

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
 Data File : VN051880.D
 Acq On : 16 Oct 2018 8:37
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 1:11:42 PM

Quant Time: Oct 17 02:58:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	983814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1416588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1293728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	648291	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	416705	44.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.62%	
35) Dibromofluoromethane	7.59	113	424054	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	10.09	98	1544674	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	12.40	95	529077	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	266745	48.84	ug/l	99
3) Chloromethane	2.06	50	271695	41.07	ug/l	100
4) Vinyl Chloride	2.18	62	410182	41.35	ug/l	99
5) Bromomethane	2.56	94	292338	32.66	ug/l	99
6) Chloroethane	2.70	64	305763	41.97	ug/l	97
7) Trichlorofluoromethane	3.01	101	678337	46.04	ug/l	99
8) Diethyl Ether	3.41	74	189336	46.60	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.76	101	399090	50.80	ug/l	99
10) Methyl Iodide	3.95	142	376844	36.40	ug/l	96
11) Tert butyl alcohol	4.79	59	121552	175.76	ug/l	98
12) 1,1-Dichloroethene	3.73	96	349595	49.51	ug/l	90
13) Acrolein	3.61	56	97974	145.32	ug/l	99
14) Allyl chloride	4.32	41	412795	46.56	ug/l	# 77
15) Acrylonitrile	4.99	53	484843	215.38	ug/l	99
16) Acetone	3.82	43	407596	200.99	ug/l	98
17) Carbon Disulfide	4.05	76	891900	46.66	ug/l	100
18) Methyl Acetate	4.33	43	225253	42.16	ug/l	# 86
19) Methyl tert-butyl Ether	5.05	73	996769	44.84	ug/l	92
20) Methylene Chloride	4.55	84	390114	46.48	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	400545	48.31	ug/l	89
22) Diisopropyl ether	5.95	45	912607	46.58	ug/l	# 87
23) Vinyl Acetate	5.90	43	3197545	223.09	ug/l	# 91
24) 1,1-Dichloroethane	5.85	63	654738	48.64	ug/l	98
25) 2-Butanone	6.83	43	577353	201.47	ug/l	# 87
26) 2,2-Dichloropropane	6.82	77	663629	48.70	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	474944	49.69	ug/l	89
28) Bromochloromethane	7.19	49	254122	45.00	ug/l	# 63
29) Tetrahydrofuran	7.21	42	330597	193.58	ug/l	# 76
30) Chloroform	7.37	83	788754	49.01	ug/l	100
31) Cyclohexane	7.65	56	559608	49.78	ug/l	# 80
32) 1,1,1-Trichloroethane	7.57	97	743034	49.18	ug/l	96
36) 1,1-Dichloropropene	7.79	75	561834	48.99	ug/l	96
37) Ethyl Acetate	6.93	43	256016	43.48	ug/l	95
38) Carbon Tetrachloride	7.77	117	673563	50.67	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	731388	51.91	ug/l #	87
40) Benzene	8.04	78	1661738	50.23	ug/l	100
41) Methacrylonitrile	7.18	41	124276m	43.78	ug/l	
42) 1,2-Dichloroethane	8.12	62	522670	48.19	ug/l	99
43) Isopropyl Acetate	8.16	43	496628	42.20	ug/l #	95
44) Trichloroethene	8.83	130	512748	50.91	ug/l	96
45) 1,2-Dichloropropane	9.12	63	391604	50.34	ug/l	100
46) Dibromomethane	9.21	93	290016	48.58	ug/l	99
47) Bromodichloromethane	9.40	83	602563	50.52	ug/l	98
48) Methyl methacrylate	9.20	41	227679	43.41	ug/l #	76
49) 1,4-Dioxane	9.20	88	80304	793.56	ug/l #	84
51) 4-Methyl-2-Pentanone	9.98	43	1276615	208.86	ug/l	96
52) Toluene	10.15	92	1140636	51.35	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	584622	48.92	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	649038	49.47	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	405865	48.57	ug/l	96
56) Ethyl methacrylate	10.43	69	452358	45.97	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	616813	47.51	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	967797	225.85	ug/l #	88
59) 2-Hexanone	10.75	43	874343	203.67	ug/l	97
60) Dibromochloromethane	10.90	129	498975	50.30	ug/l	100
61) 1,2-Dibromoethane	11.00	107	425110	49.39	ug/l	99
64) Tetrachloroethene	10.63	164	518857	52.29	ug/l	98
65) Chlorobenzene	11.43	112	1308902	50.03	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	502605	50.40	ug/l	98
67) Ethyl Benzene	11.51	91	2204164	50.89	ug/l	97
68) m/p-Xylenes	11.62	106	1795098	102.60	ug/l	94
69) o-Xylene	11.95	106	875993	51.55	ug/l	94
70) Styrene	11.96	104	1375770	52.48	ug/l	98
71) Bromoform	12.13	173	323941	41.87	ug/l #	100
73) Isopropylbenzene	12.25	105	2367885	47.40	ug/l	98
74) N-amyl acetate	12.07	43	408242	41.21	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	458648	41.80	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	388165m	48.52	ug/l	
77) Bromobenzene	12.53	156	593335	47.64	ug/l	85
78) n-propylbenzene	12.59	91	2582707	49.37	ug/l	96
79) 2-Chlorotoluene	12.67	91	1483375	47.07	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	1984927	48.76	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	117892	41.88	ug/l	98
82) 4-Chlorotoluene	12.77	91	1504638	49.69	ug/l	95
83) tert-Butylbenzene	12.99	119	1798768	47.65	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2011854	49.64	ug/l	99
85) sec-Butylbenzene	13.17	105	2418328	49.45	ug/l	98
86) p-Isopropyltoluene	13.29	119	2190616	50.93	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1090380	51.19	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	1048790	50.80	ug/l	99
89) n-Butylbenzene	13.61	91	1716370	53.68	ug/l	98
90) Hexachloroethane	13.88	117	362382	46.42	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	1043349	50.69	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67473	41.77	ug/l	90

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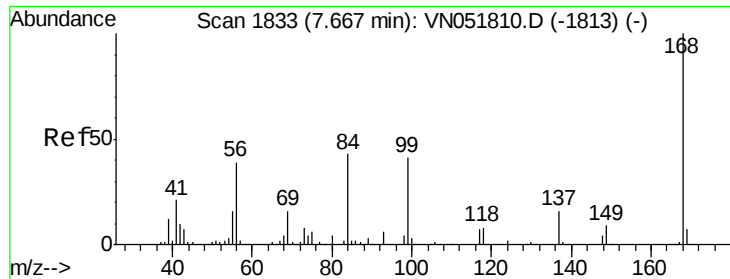
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	477335	44.34	ug/l	98
94) Hexachlorobutadiene	15.01	225	328200	49.32	ug/l	100
95) Naphthalene	15.13	128	880336	38.02	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	456452	43.64	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 983814

Ion Ratio Lower Upper

168 100

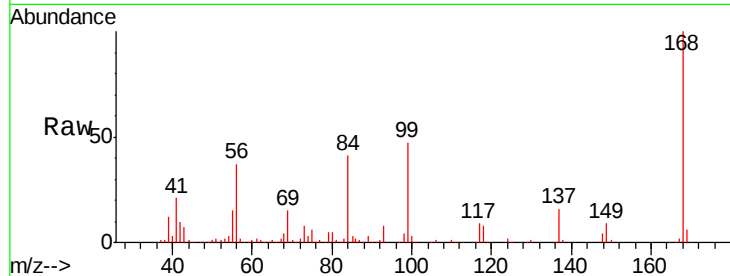
99 47.3 39.6 59.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

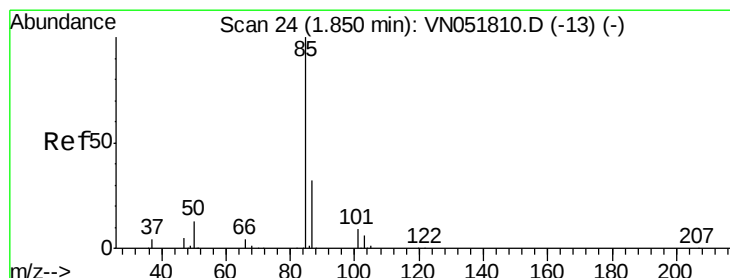
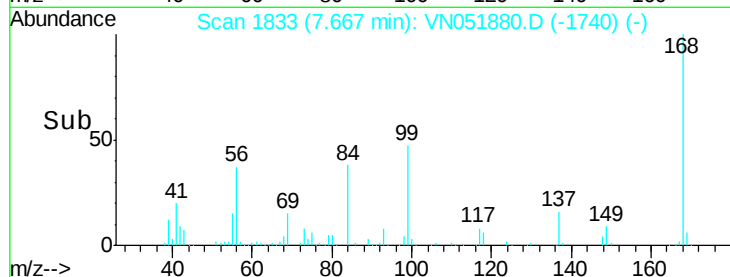
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.84 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051880.D

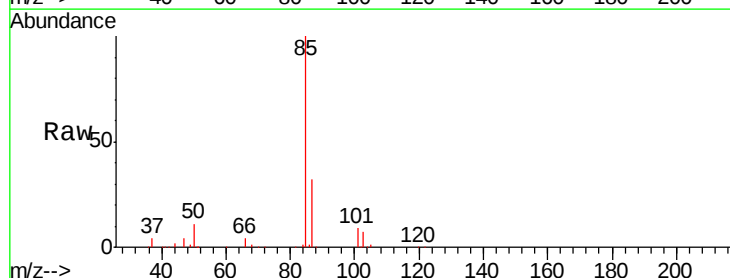
Acq: 16 Oct 2018 8:37

Tgt Ion: 85 Resp: 266745

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

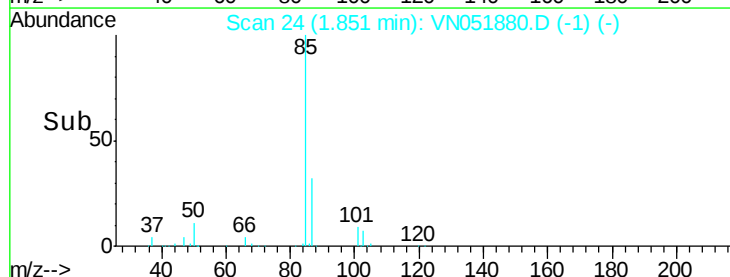
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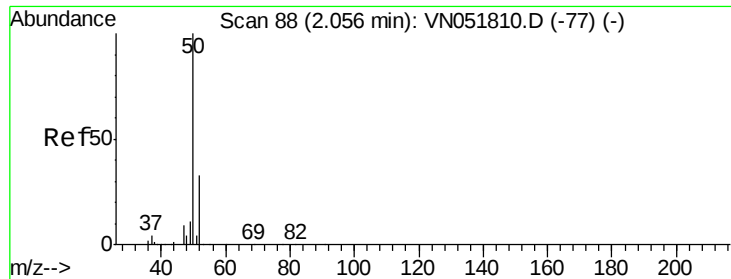
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 41.07 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 271695

Ion Ratio Lower Upper

50 100

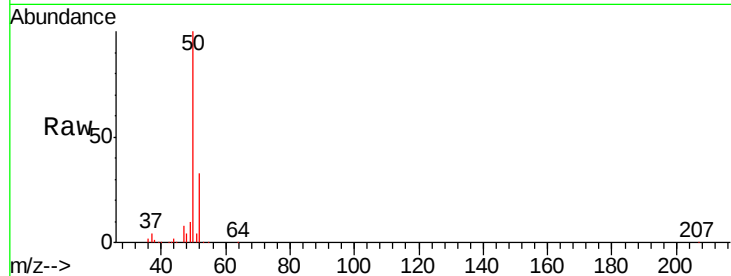
52 33.2 26.3 39.5

Manual Integrations

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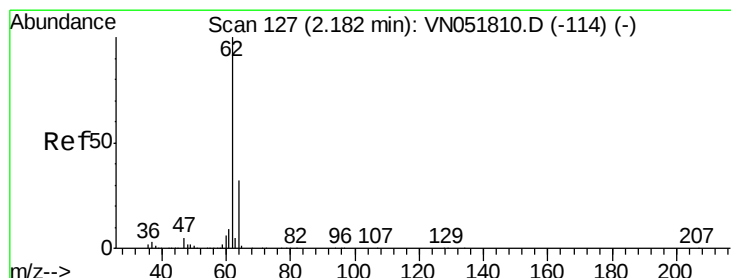
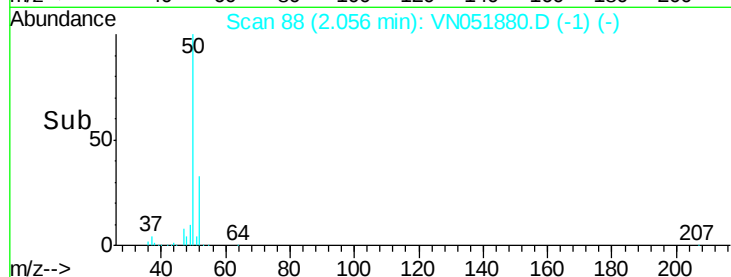
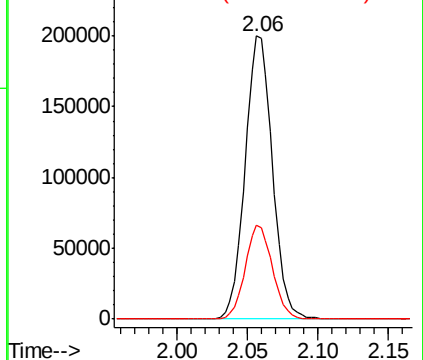
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 41.35 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051880.D

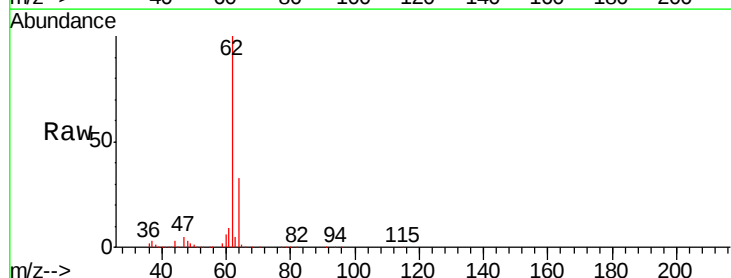
Acq: 16 Oct 2018 8:37

Tgt Ion: 62 Resp: 410182

Ion Ratio Lower Upper

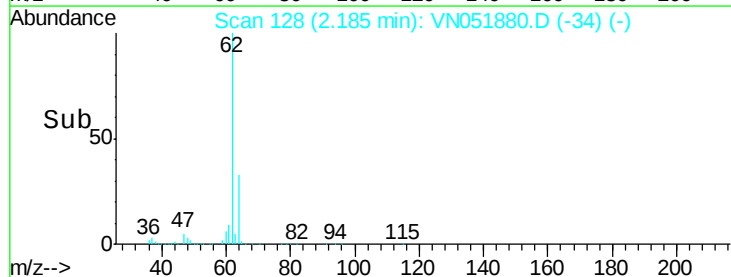
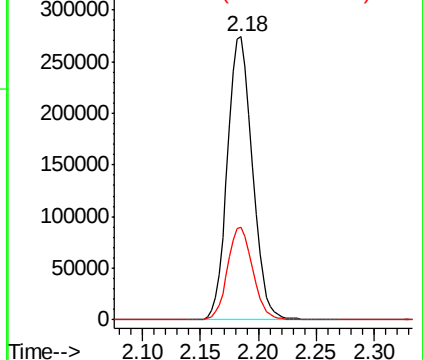
62 100

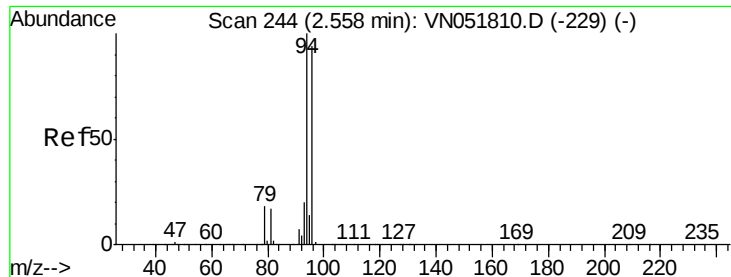
64 32.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 32.66 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

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Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 292338

Ion Ratio Lower Upper

94 100

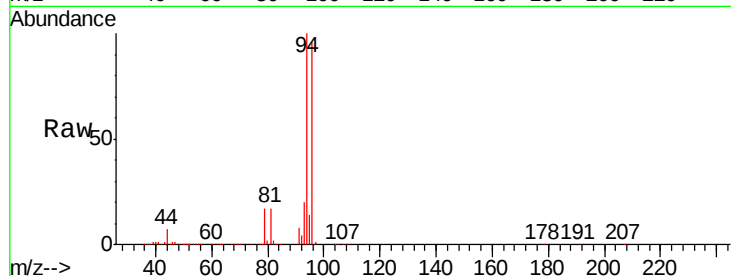
96 96.2 76.2 114.2

Manual Integrations

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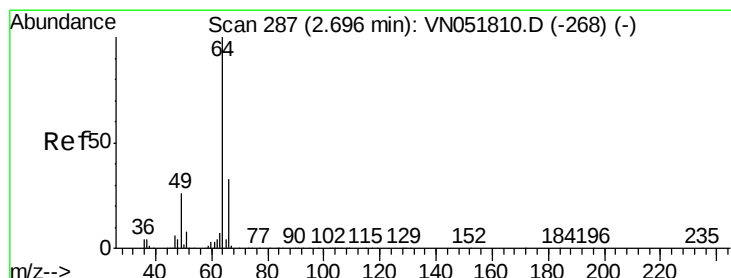
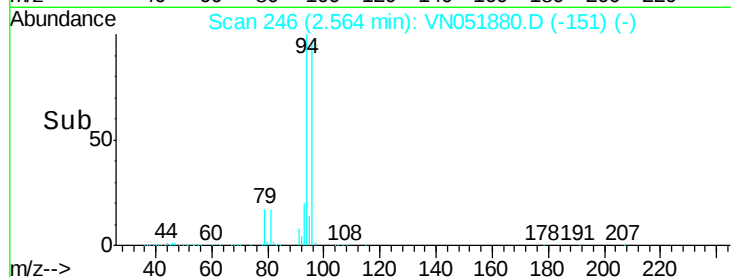
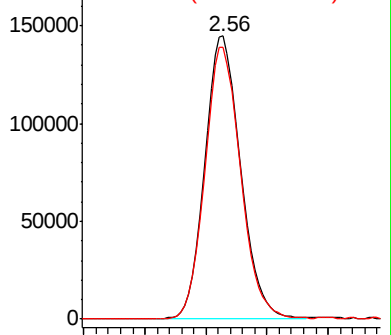
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 41.97 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.01 min

Lab File: VN051880.D

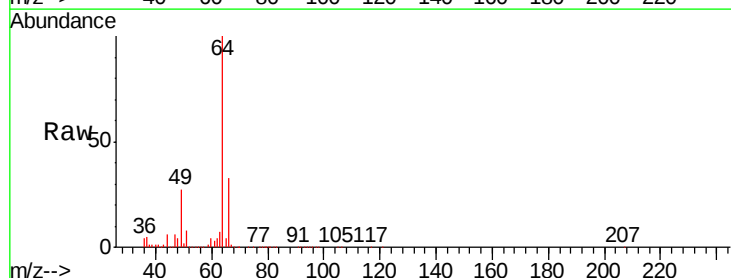
Acq: 16 Oct 2018 8:37

Tgt Ion: 64 Resp: 305763

Ion Ratio Lower Upper

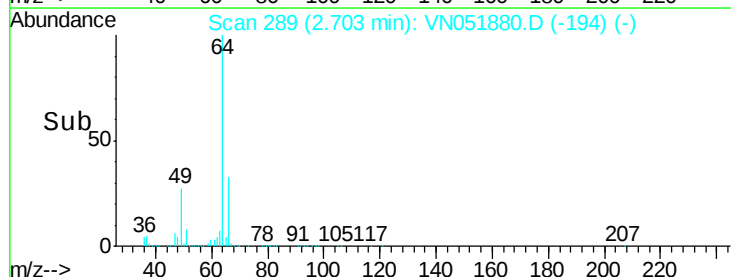
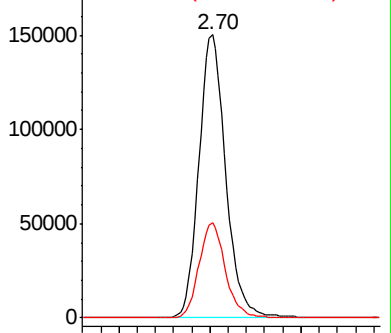
64 100

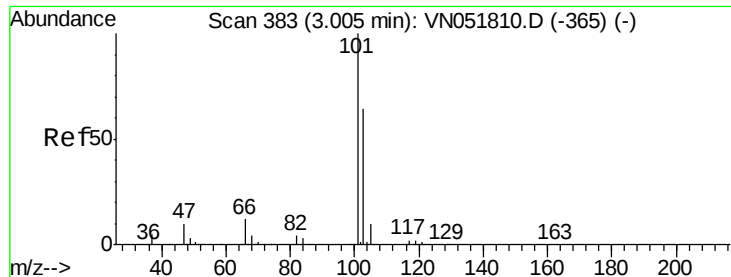
66 33.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

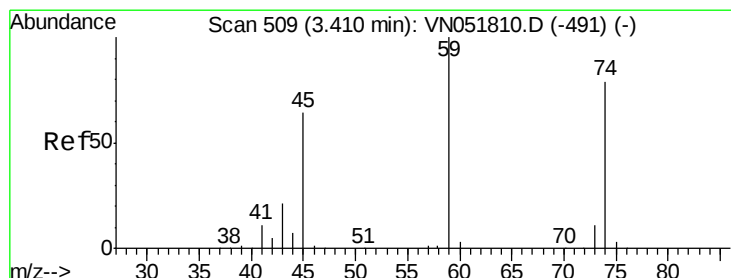
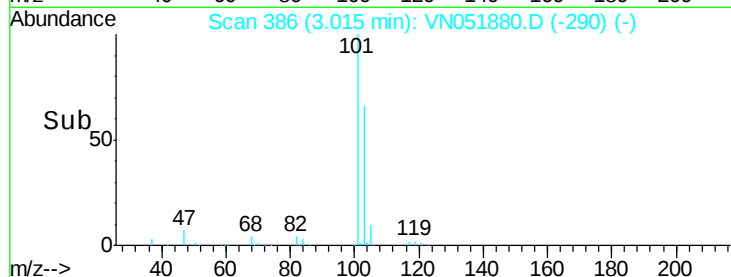
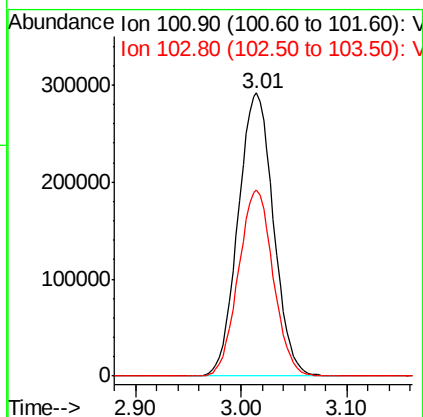
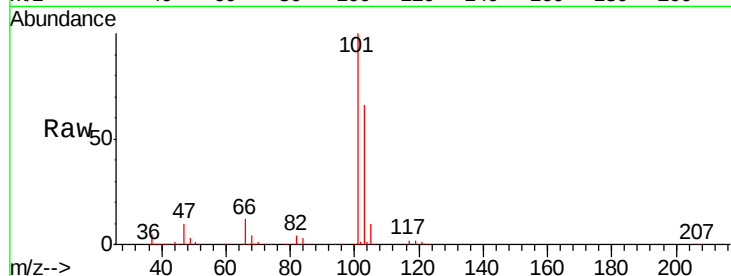
Trichlorofluoromethane
Concen: 46.04 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

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VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.6	77.4

Manual Integrations
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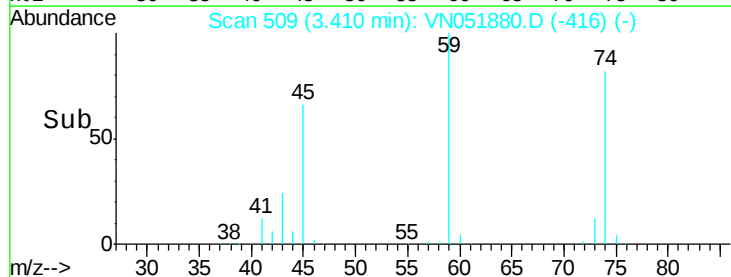
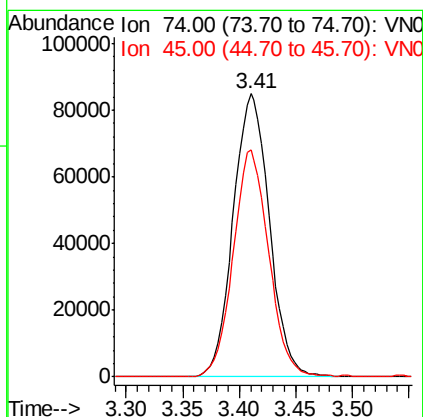
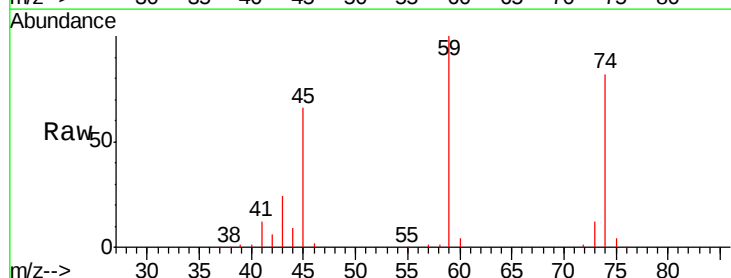
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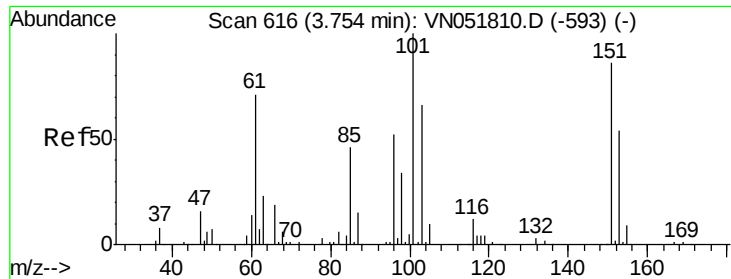


#8

Diethyl Ether
Concen: 46.60 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.7	48.2	144.6





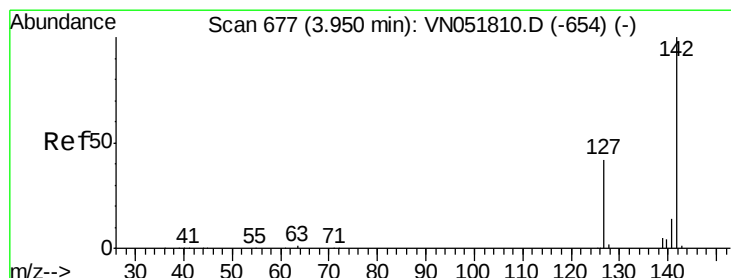
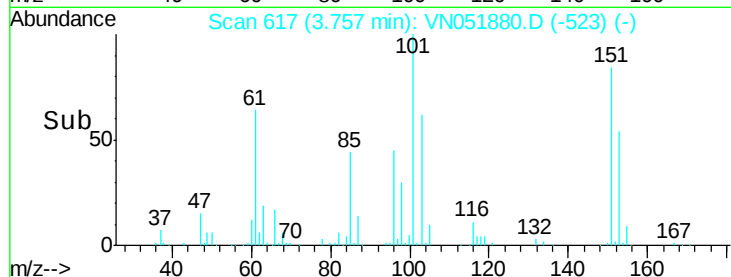
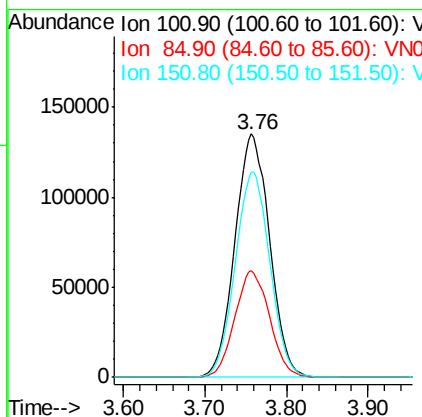
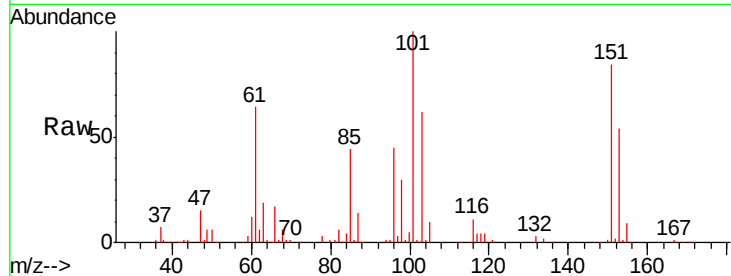
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.80 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	399090		
85	43.8	33.7	50.5	
151	84.4	67.4	101.2	

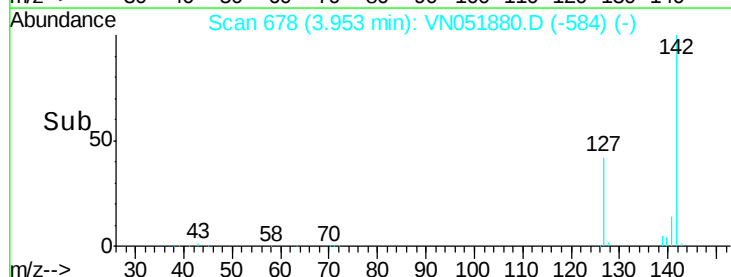
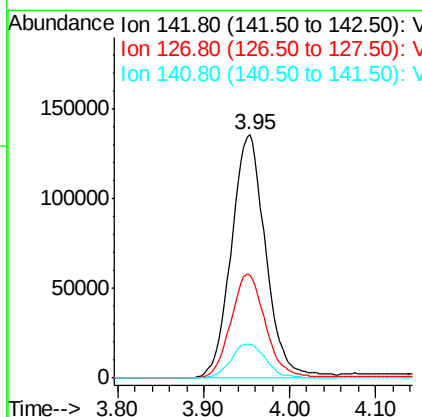
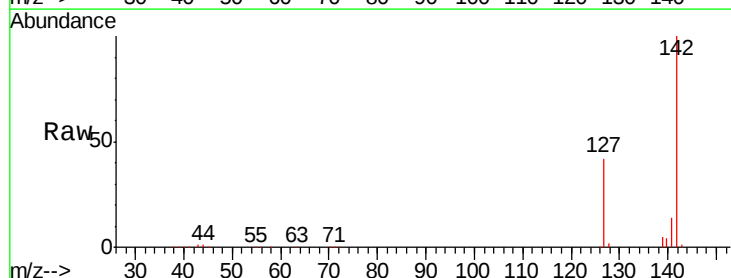
Manual Integrations
 APPROVED

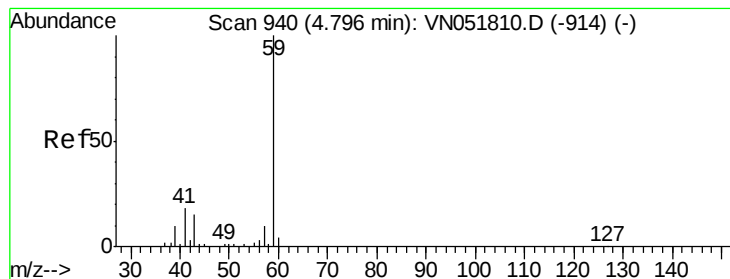
MMDadoda
 10/17/2018 1:11:42 PM



#10
 Methyl Iodide
 Concen: 36.40 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	376844		
127	42.8	31.7	47.5	
141	14.4	11.4	17.0	





#11

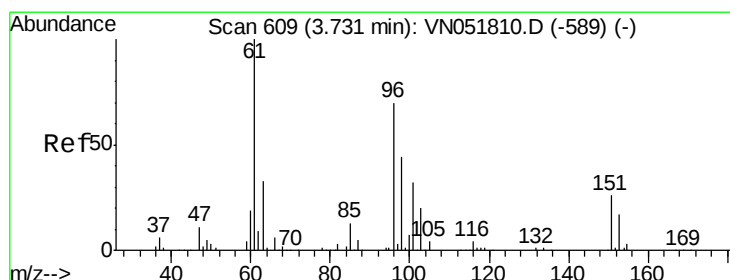
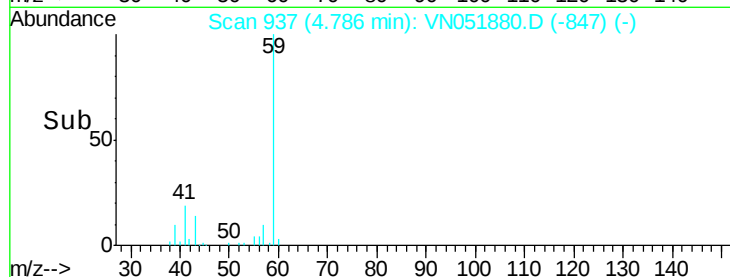
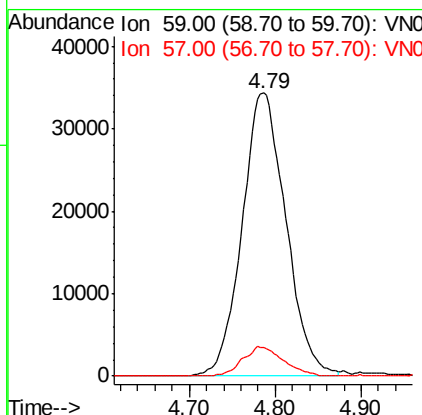
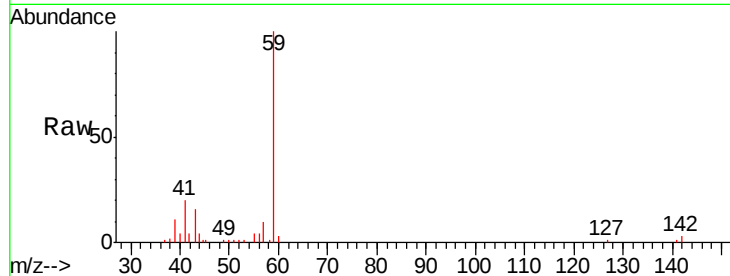
Tert butyl alcohol
 Concen: 175.76 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Manual Integrations
 APPROVED

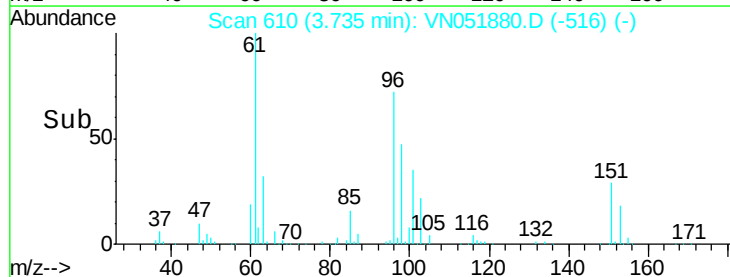
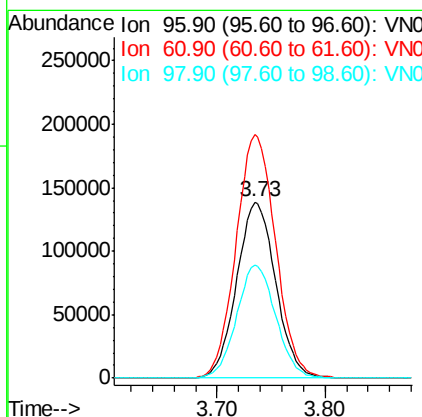
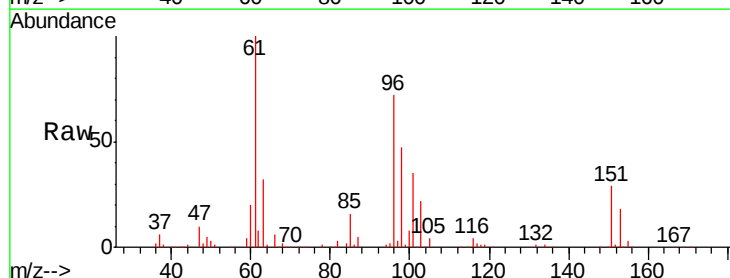
MMDadoda
 10/17/2018 1:11:42 PM

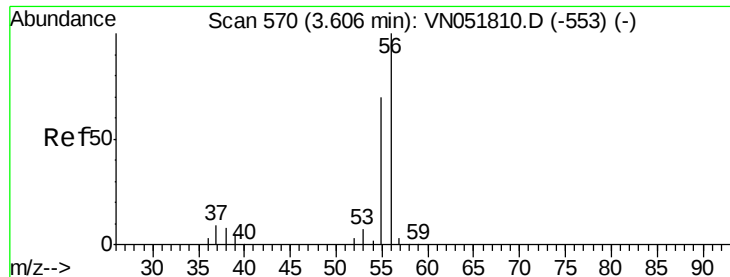


#12

1,1-Dichloroethene
 Concen: 49.51 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.1	124.9	187.3
98	64.5	51.1	76.7





#13

Acrolein

Concen: 145.32 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 97974

Ion Ratio Lower Upper

56 100

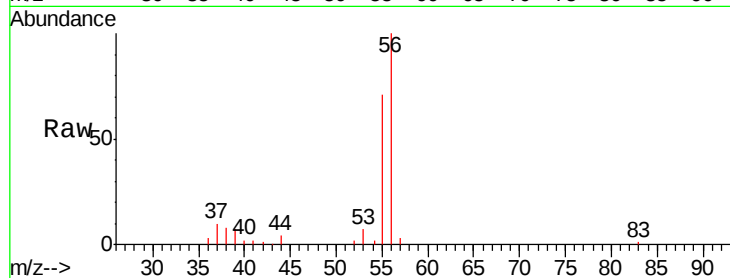
55 71.4 57.7 86.5

Manual Integrations

APPROVED

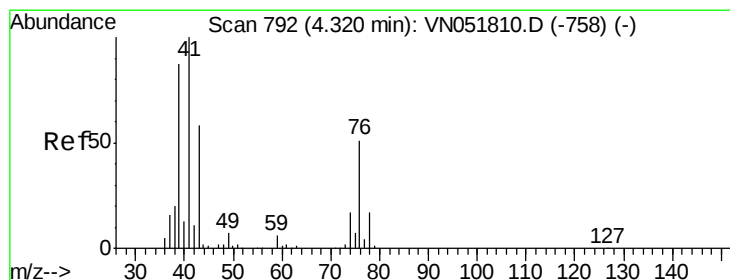
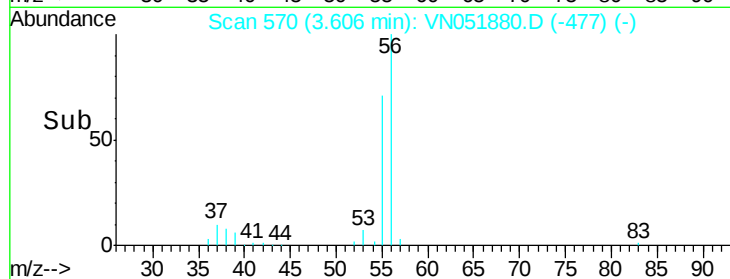
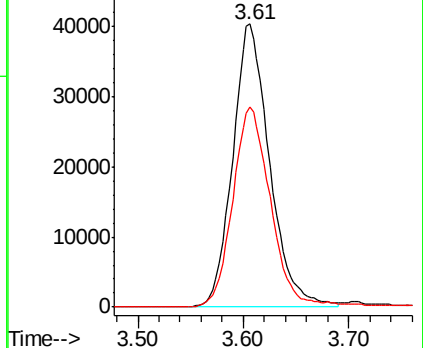
MMDadoda

10/17/2018 1:11:42 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 46.56 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

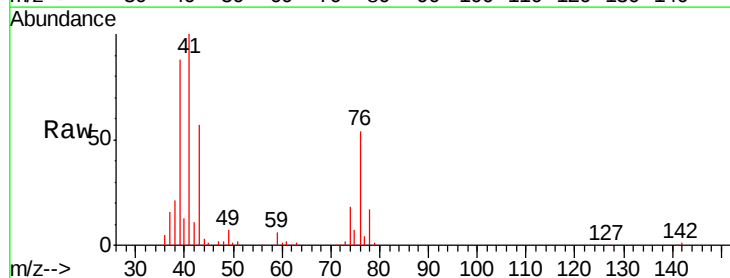
Tgt Ion: 41 Resp: 412795

Ion Ratio Lower Upper

41 100

39 82.2 50.2 75.2#

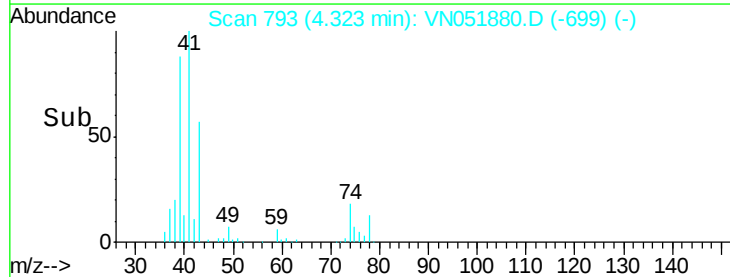
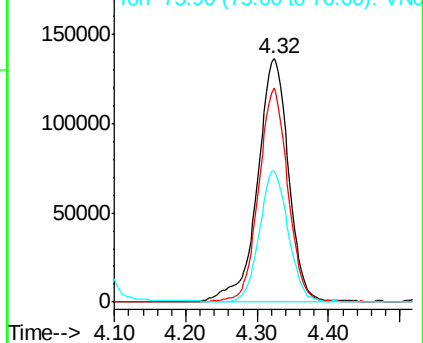
76 49.1 29.8 44.8#

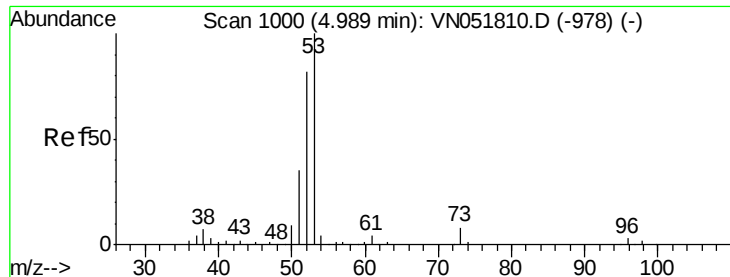


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





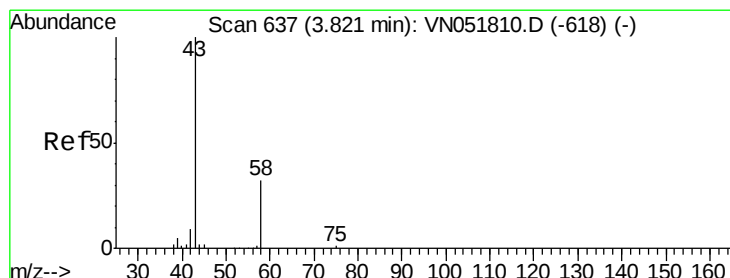
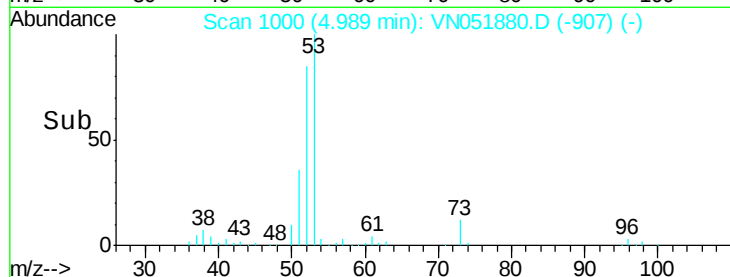
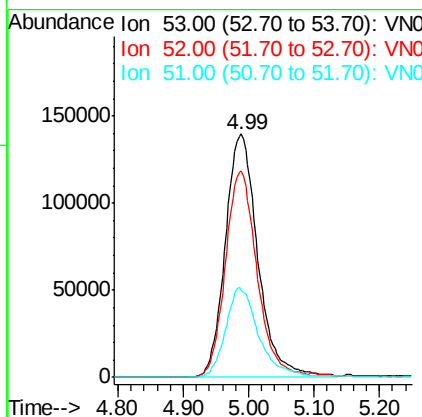
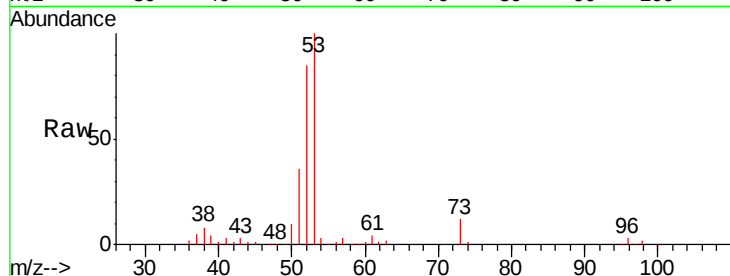
#15
 Acrylonitrile
 Concen: 215.38 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.9	98.9
51	37.5	28.6	43.0

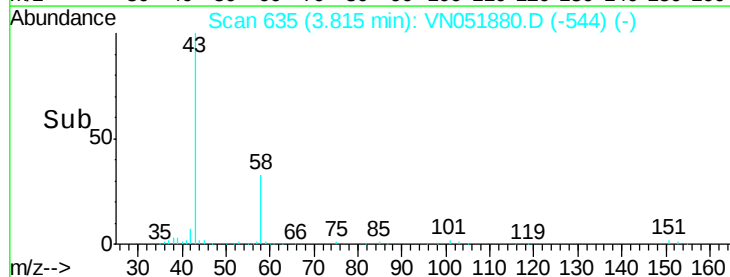
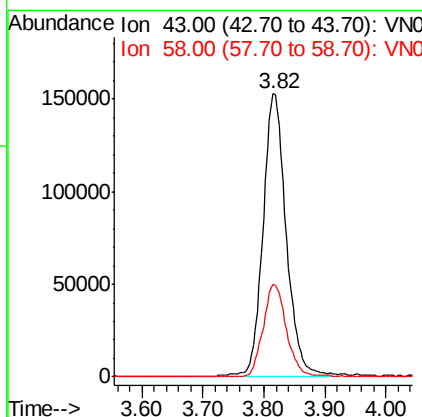
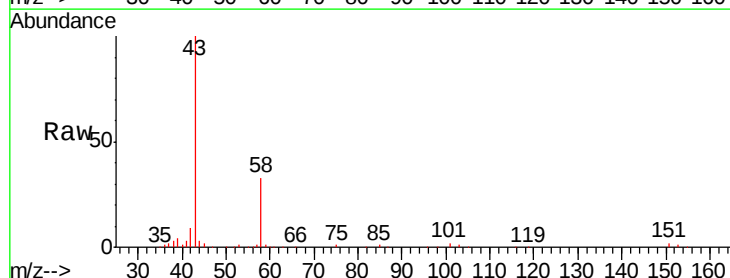
Manual Integrations
 APPROVED

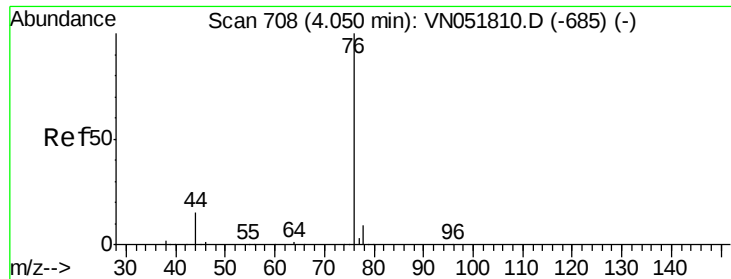
MMDadoda
 10/17/2018 1:11:42 PM



#16
 Acetone
 Concen: 200.99 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.9	27.2	40.8





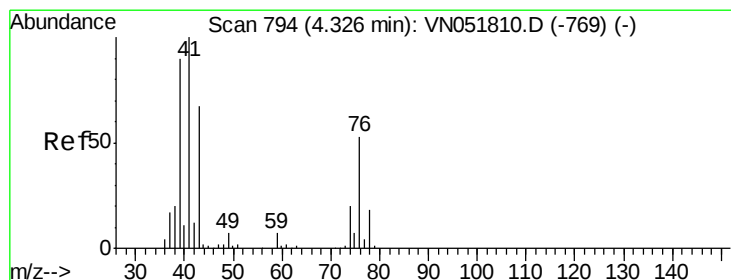
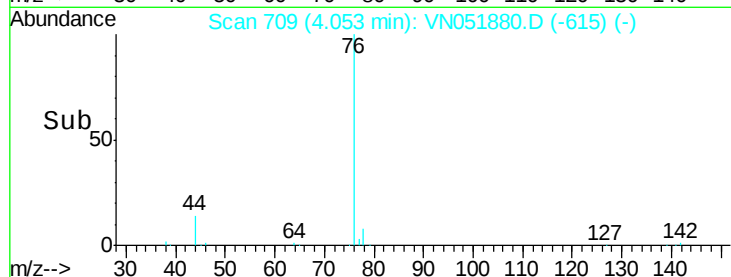
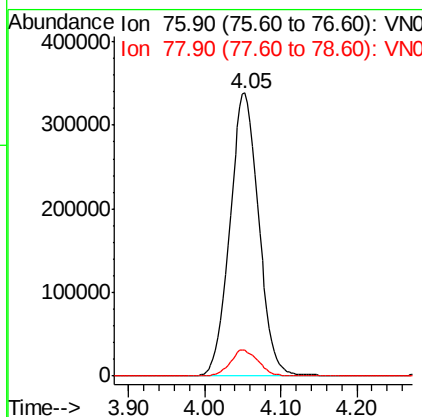
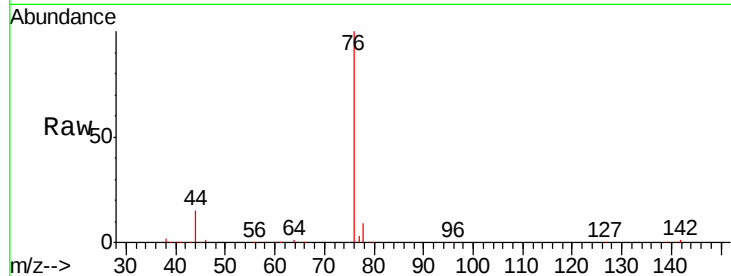
#17
 Carbon Disulfide
 Concen: 46.66 ug/l
 RT: 4.05 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

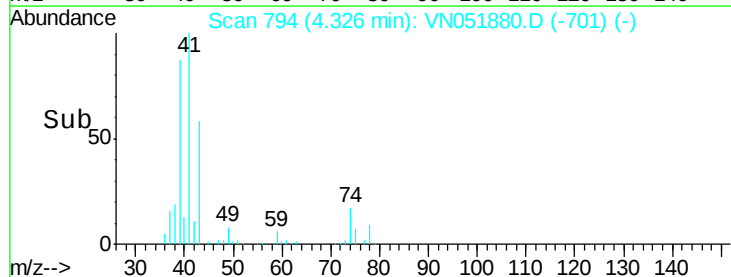
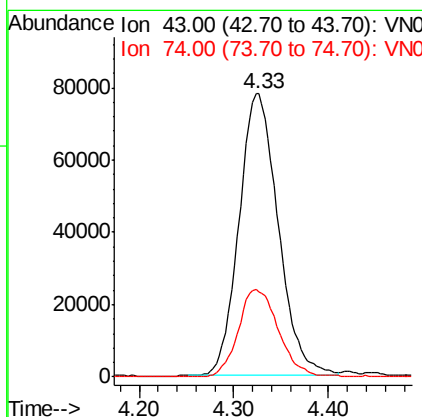
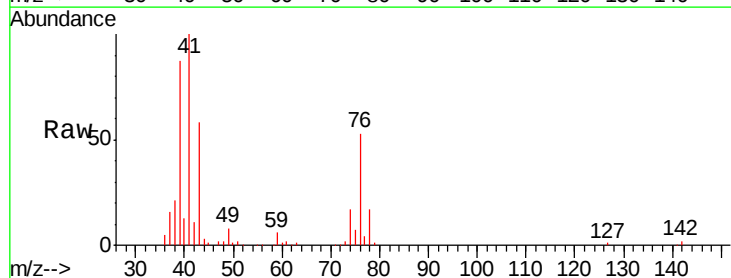
Manual Integrations
 APPROVED

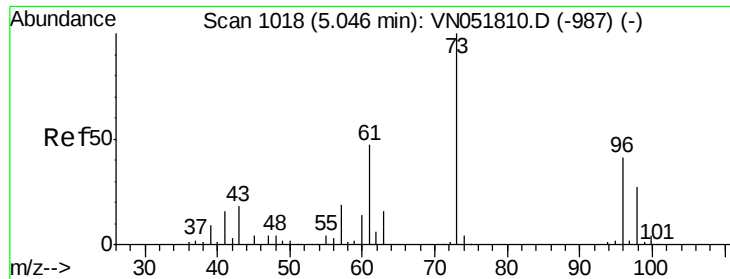
MMDadoda
 10/17/2018 1:11:42 PM



#18
 Methyl Acetate
 Concen: 42.16 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.8	19.8	29.8#





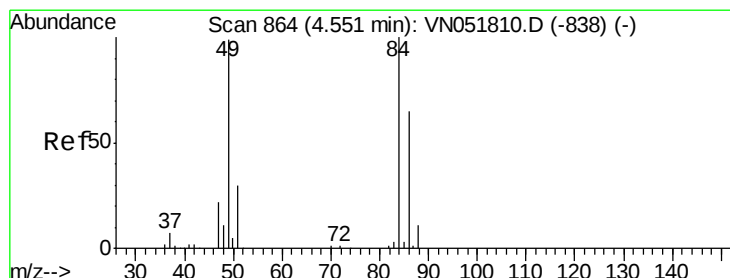
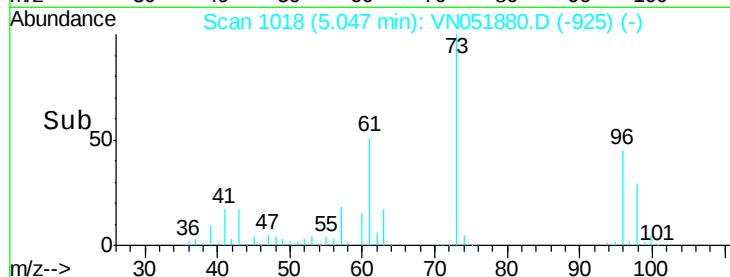
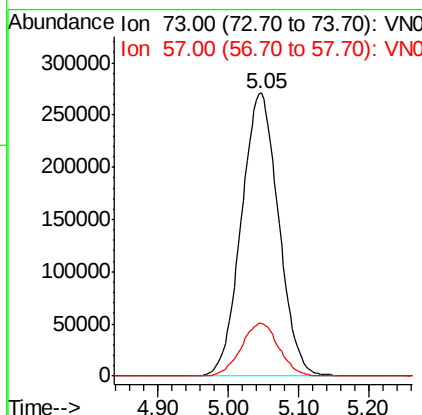
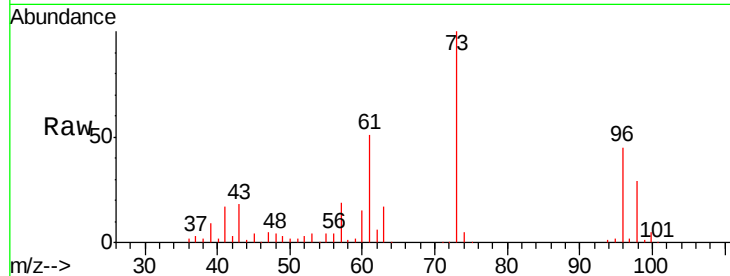
#19
Methyl tert-butyl Ether
Concen: 44.84 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 996769
Ion Ratio Lower Upper
73 100
57 18.6 17.8 26.8

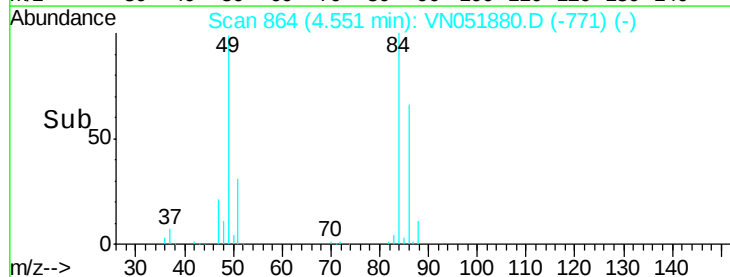
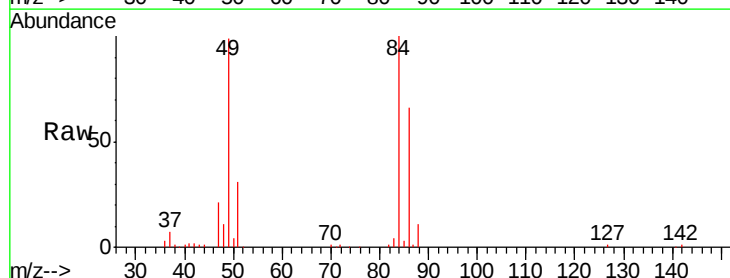
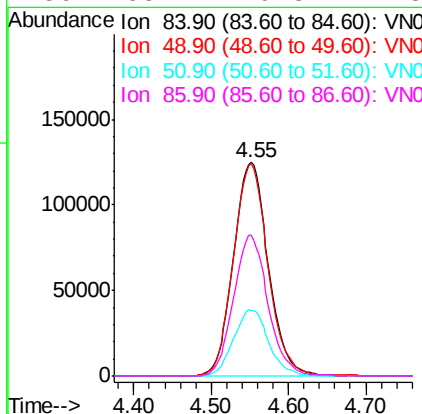
Manual Integrations
APPROVED

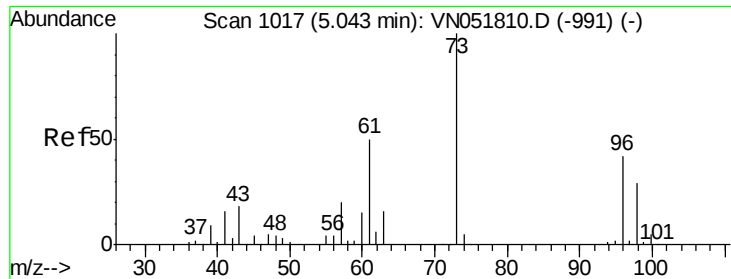
MMDadoda
10/17/2018 1:11:42 PM



#20
Methylene Chloride
Concen: 46.48 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion: 84 Resp: 390114
Ion Ratio Lower Upper
84 100
49 99.3 93.2 139.8
51 30.8 29.0 43.6
86 65.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.31 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

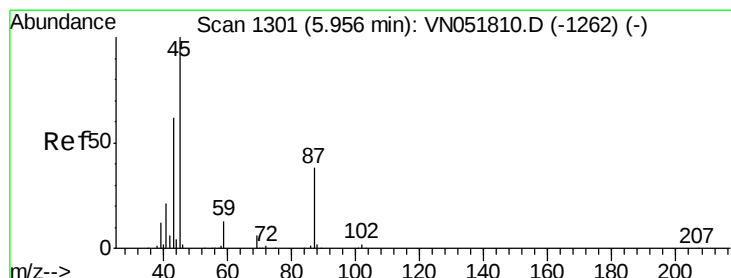
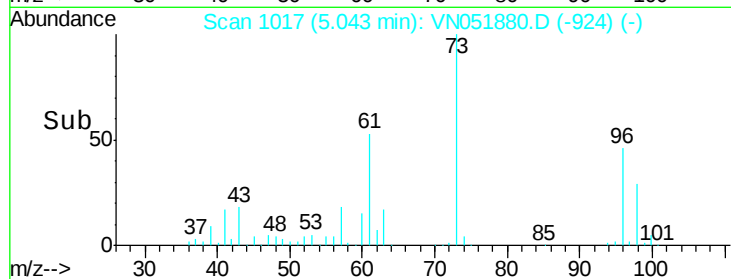
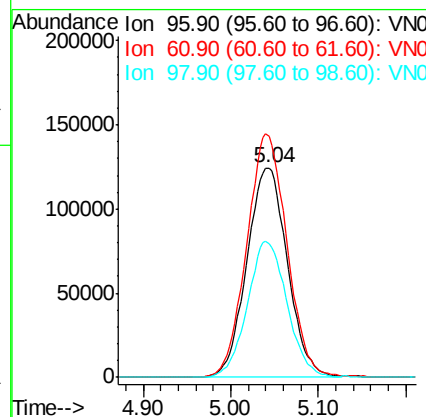
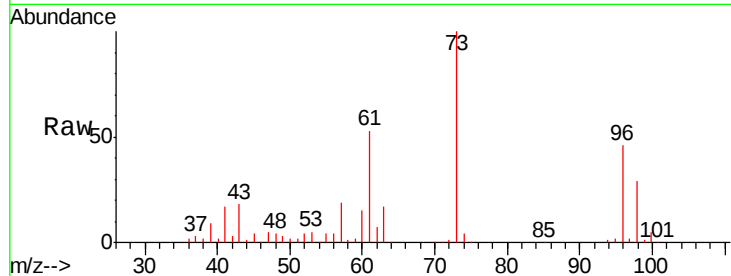
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	400545
Ion Ratio	Lower	Upper	
96	100		
61	114.7	107.4	161.0
98	63.9	50.7	76.1

Manual Integrations
APPROVED

MMDadoda
10/17/2018 1:11:42 PM



#22

Diisopropyl ether

Concen: 46.58 ug/l

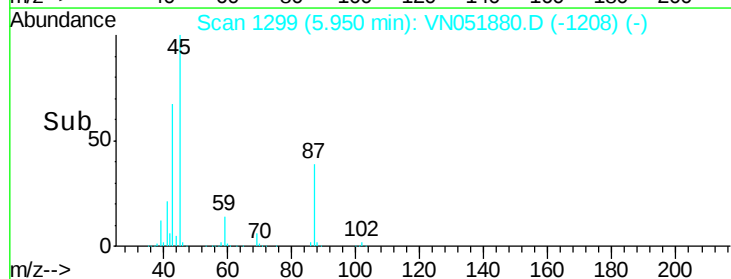
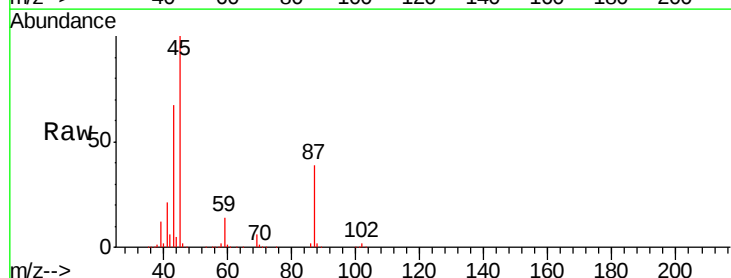
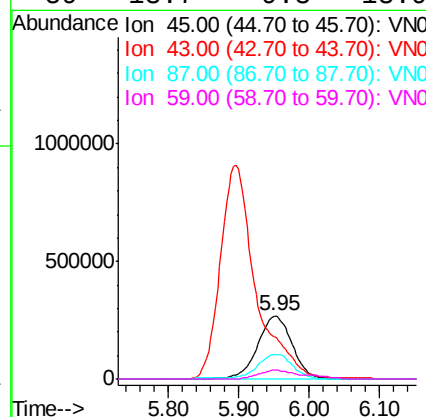
RT: 5.95 min Scan# 1299

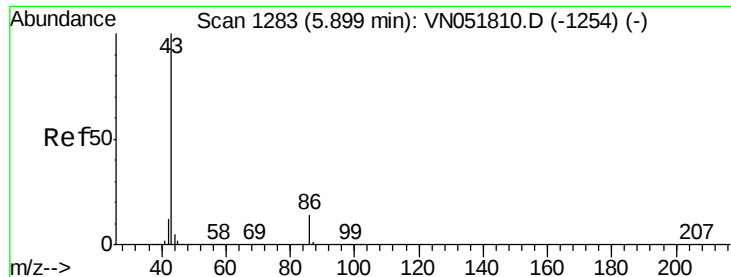
Delta R.T. -0.01 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Tgt Ion:	45	Resp:	912607
Ion Ratio	Lower	Upper	
45	100		
43	65.8	45.9	68.9
87	39.2	22.7	34.1
59	13.7	9.3	13.9





#23

Vinyl Acetate

Concen: 223.09 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 3197545

Ion Ratio Lower Upper

43 100

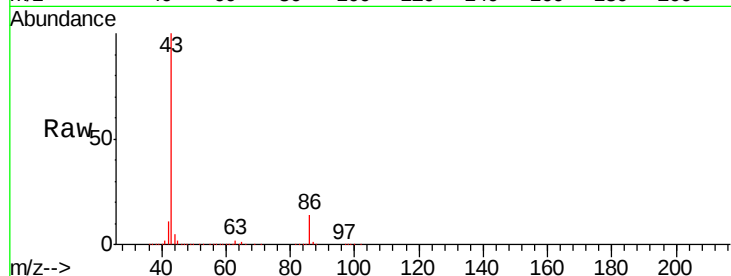
86 14.1 8.7 13.1#

Manual Integrations

APPROVED

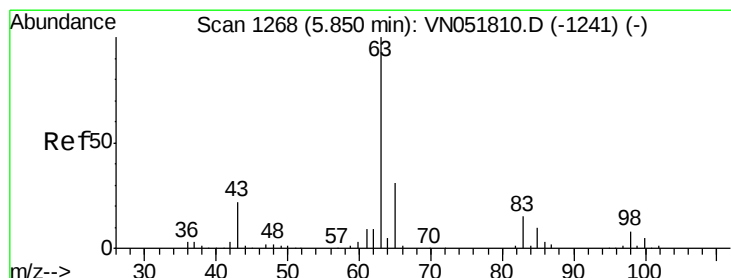
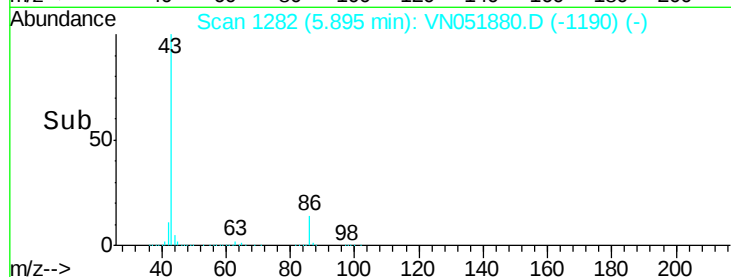
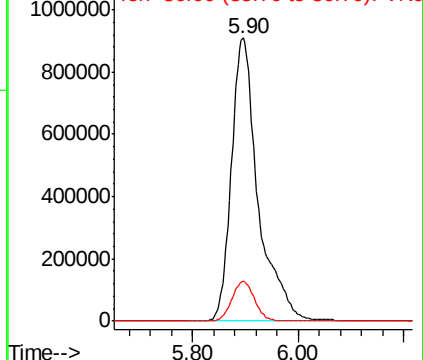
MMDadoda

10/17/2018 1:11:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.64 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

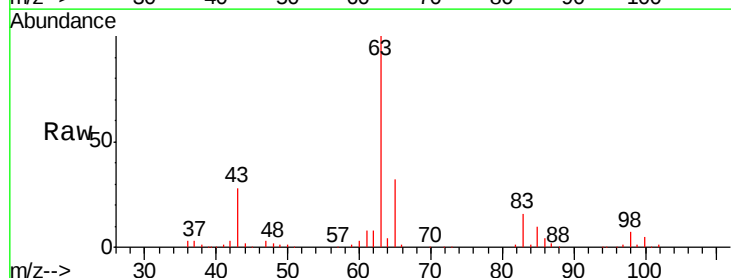
Tgt Ion: 63 Resp: 654738

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.8

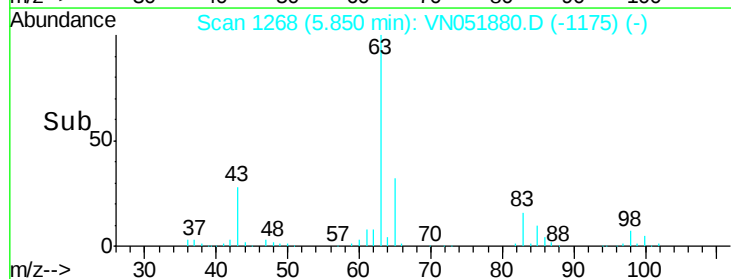
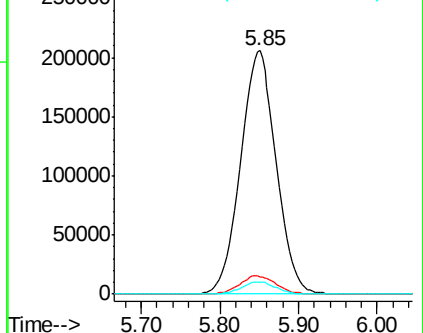
100 4.9 2.1 6.5

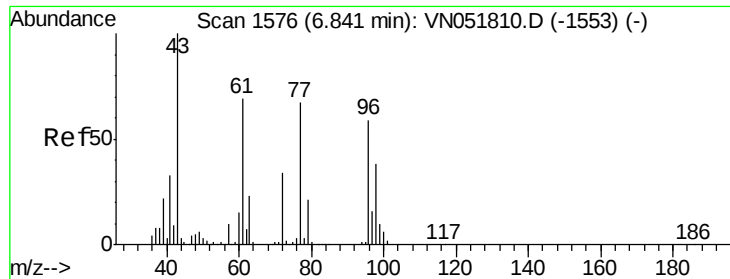


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 201.47 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 577353

Ion Ratio Lower Upper

43 100

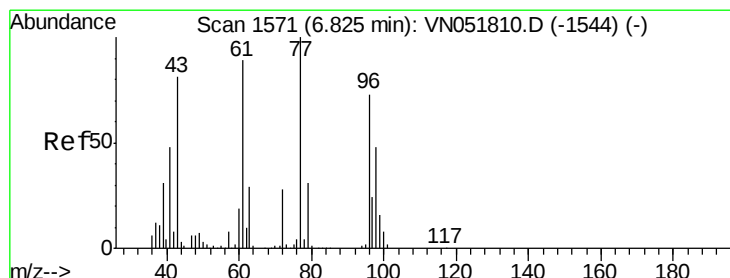
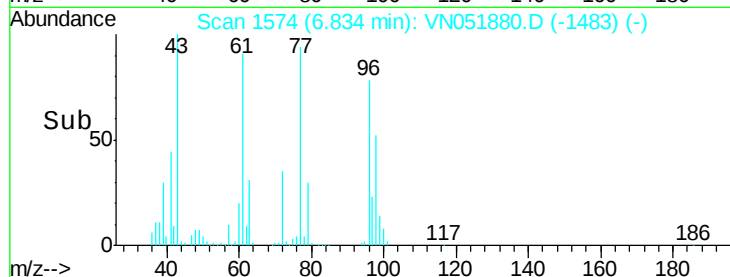
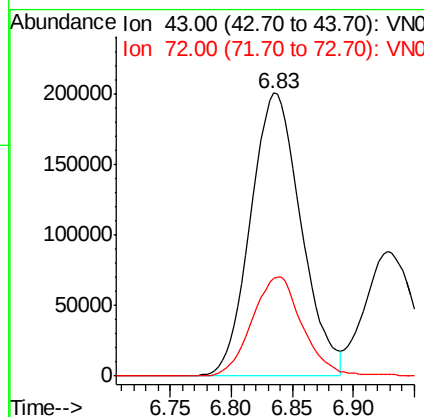
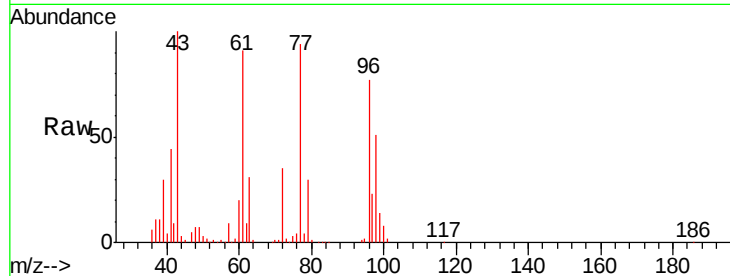
72 34.8 22.3 33.5#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.70 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN051880.D

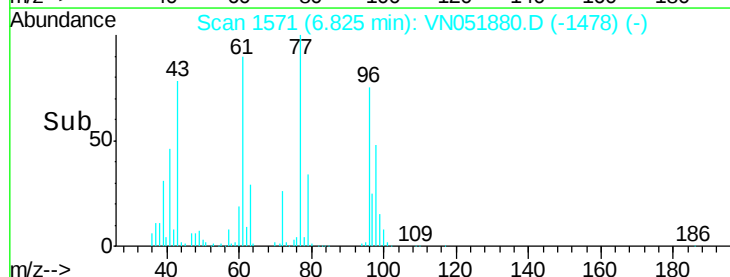
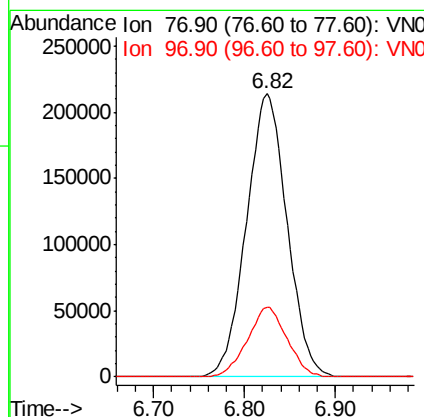
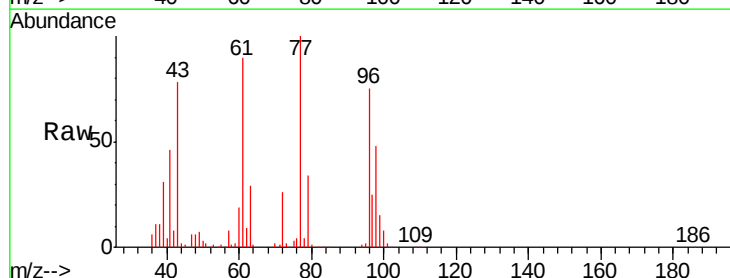
Acq: 16 Oct 2018 8:37

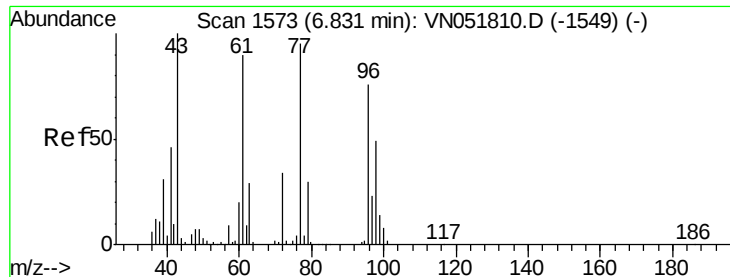
Tgt Ion: 77 Resp: 663629

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 49.69 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

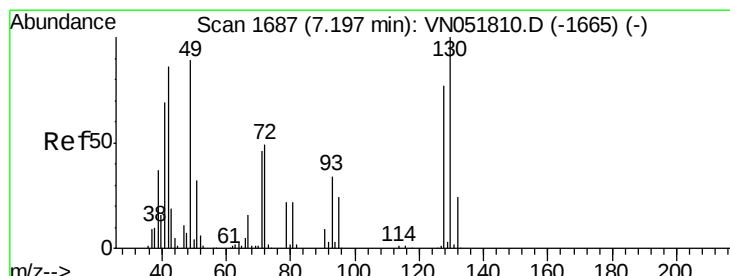
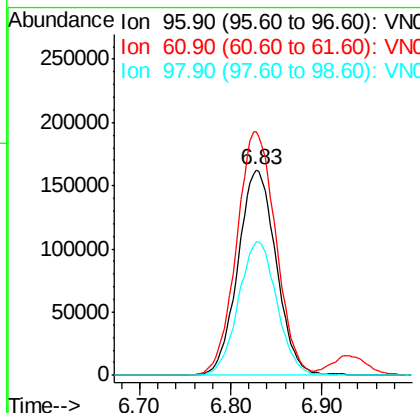
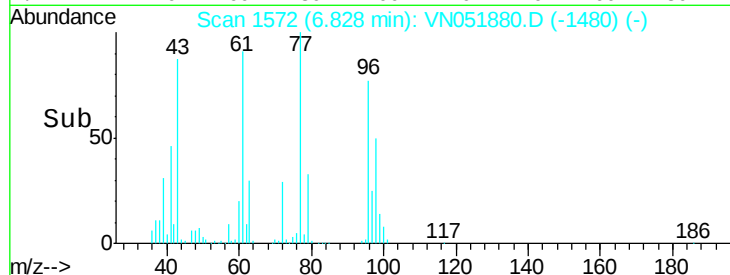
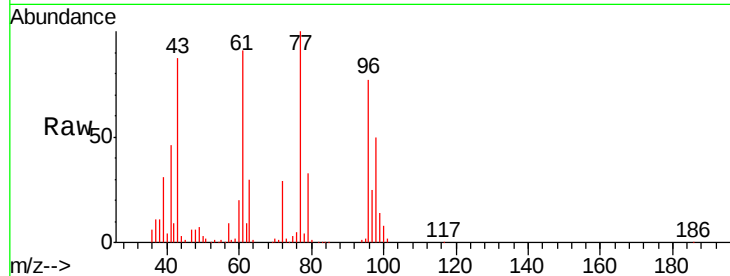
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	474944
Ion	Ratio	Lower	Upper
96	100		
61	121.8	0.0	283.4
98	65.3	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 45.00 ug/l

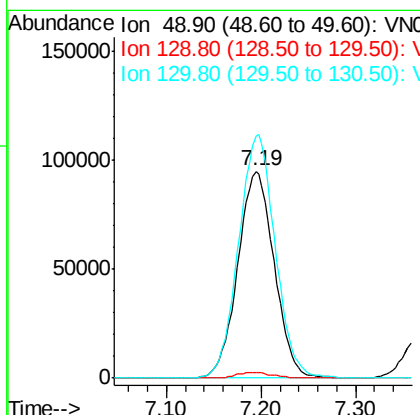
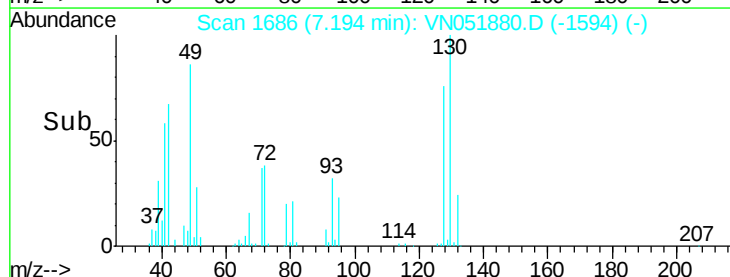
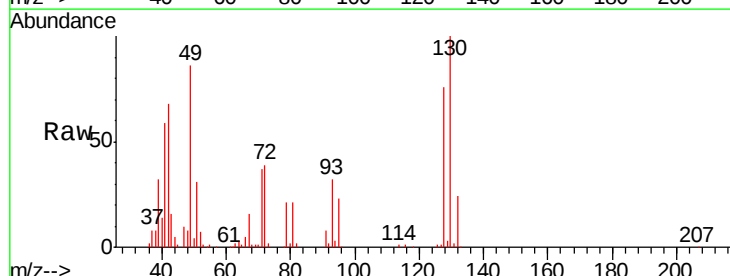
RT: 7.19 min Scan# 1686

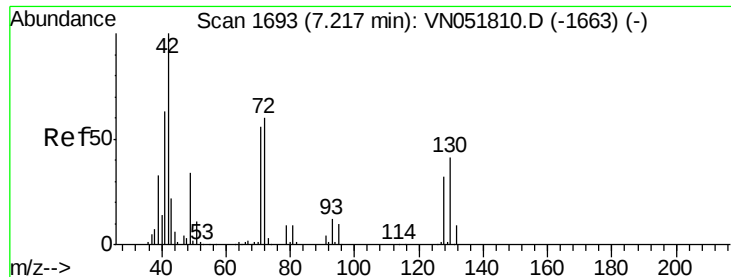
Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Tgt Ion:	49	Resp:	254122
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.2
130	118.0	67.1	100.7#





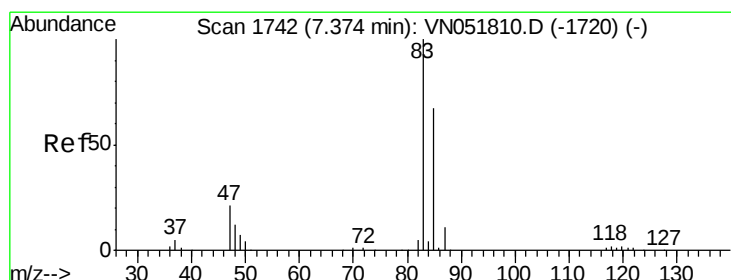
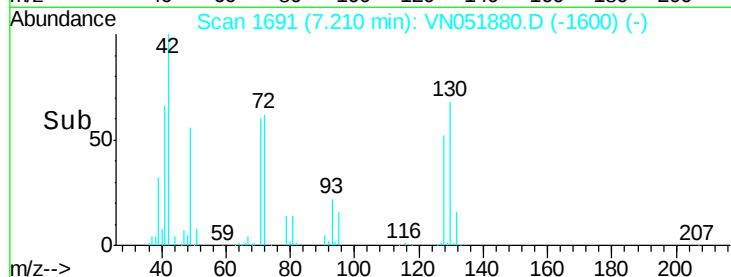
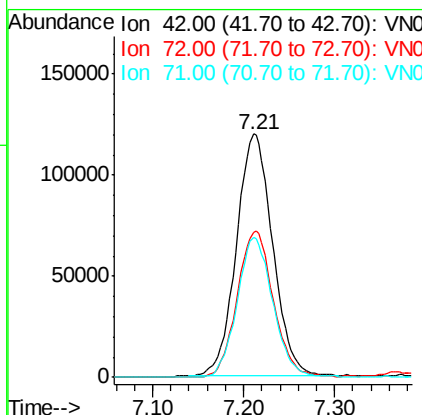
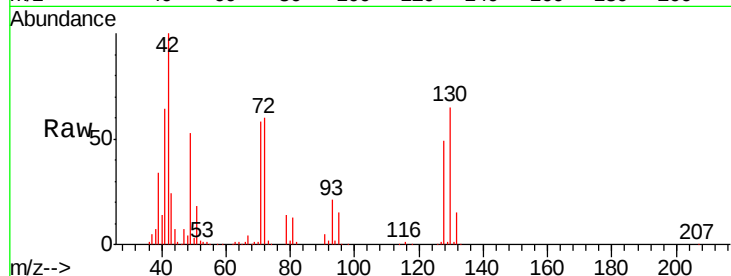
#29
Tetrahydrofuran
Concen: 193.58 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	60.7	35.5	53.3#
71	57.0	33.7	50.5#

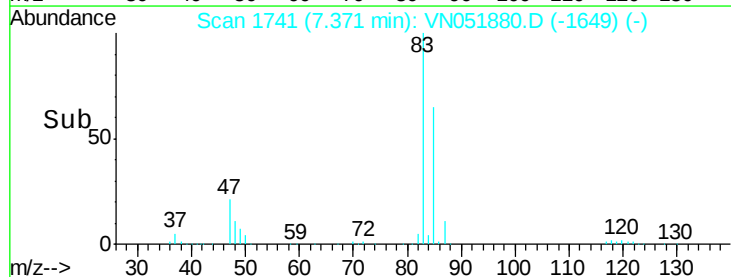
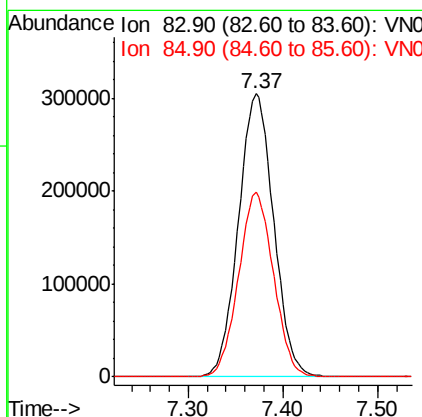
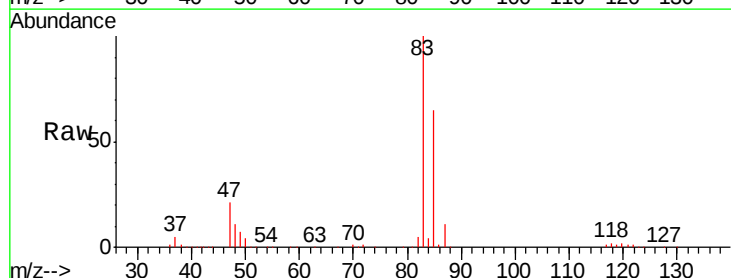
Manual Integrations
APPROVED

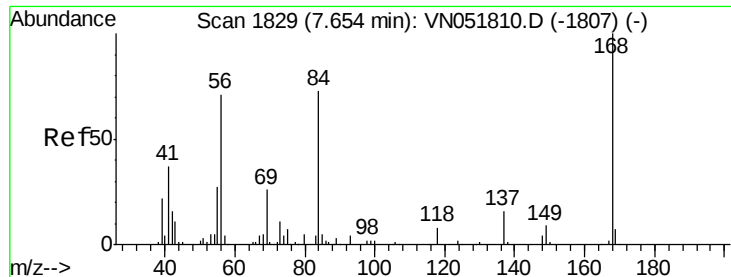
MMDadoda
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#30
Chloroform
Concen: 49.01 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.4





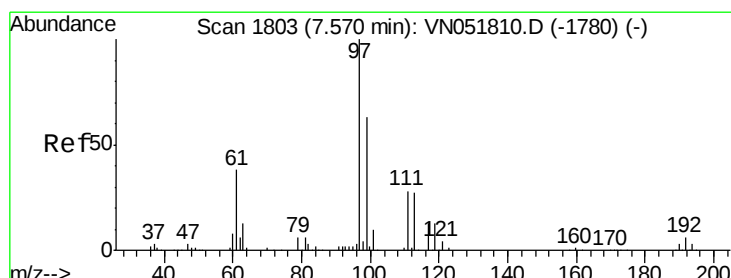
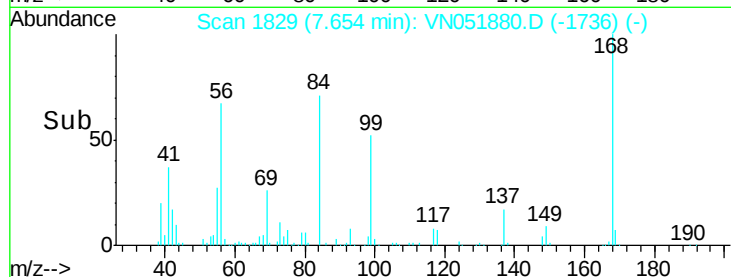
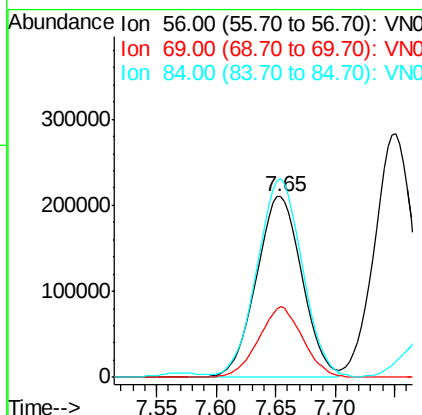
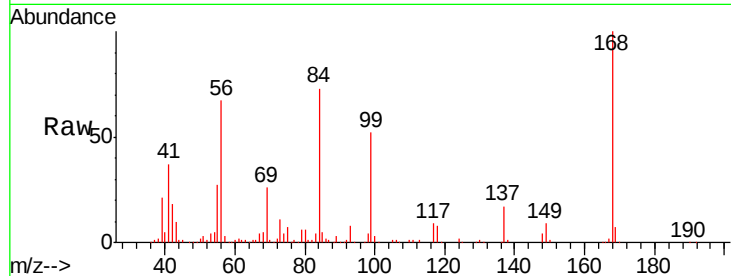
#31
Cyclohexane
Concen: 49.78 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	38.9	26.2	39.4
84	107.5	68.3	102.5

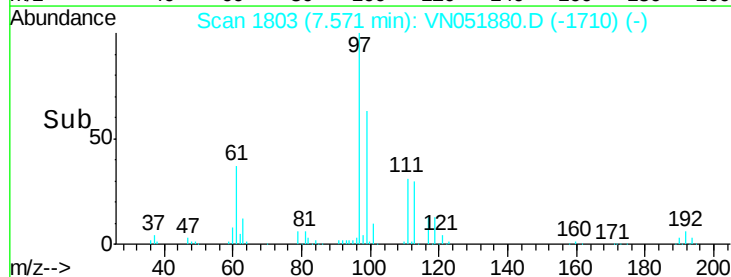
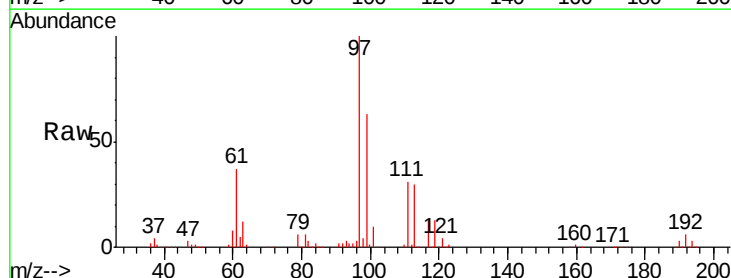
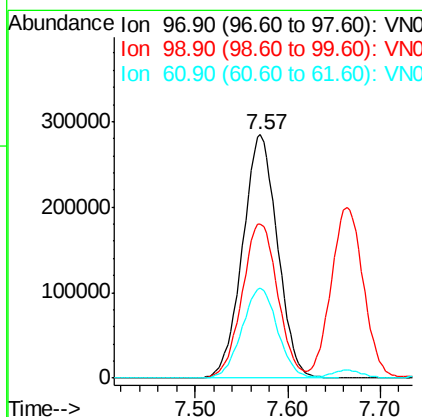
Manual Integrations
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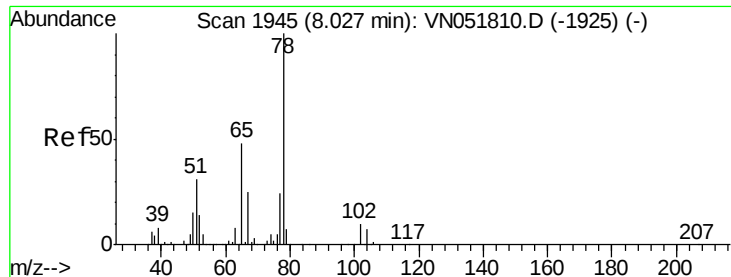
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#32
1,1,1-Trichloroethane
Concen: 49.18 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	37.6	34.9	52.3





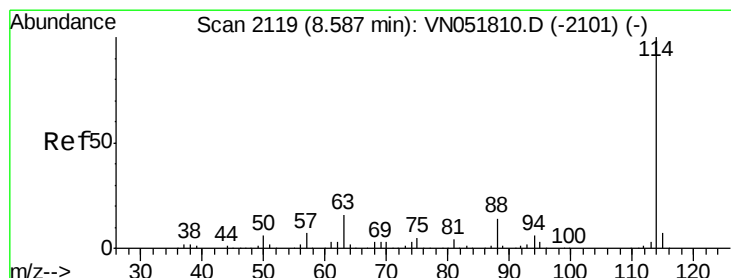
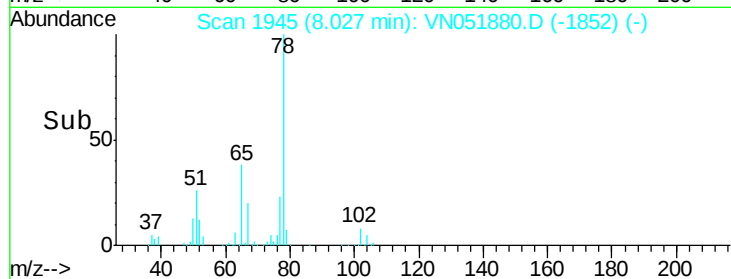
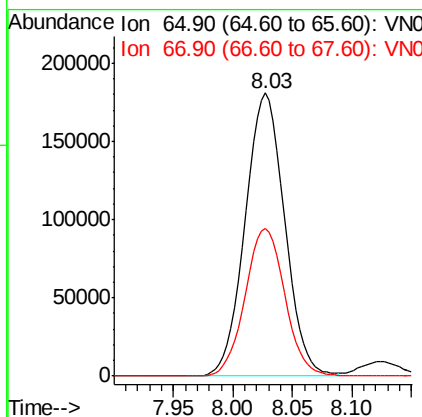
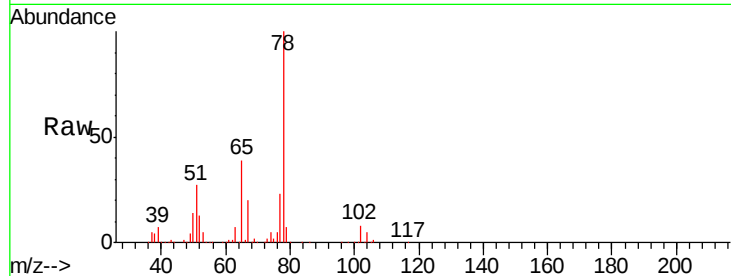
#33
 1,2-Dichloroethane-d4
 Concen: 49.18 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 416705
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 110.4

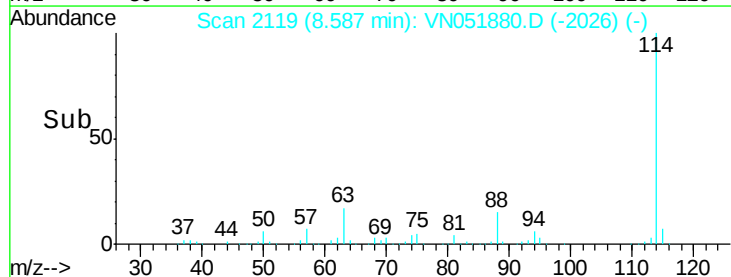
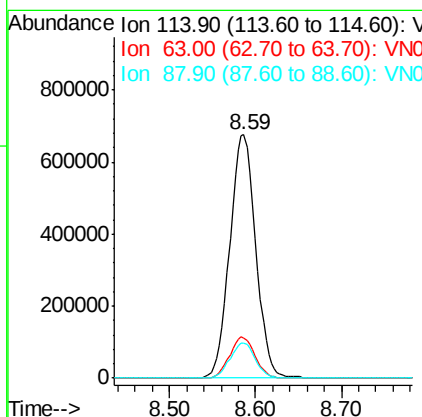
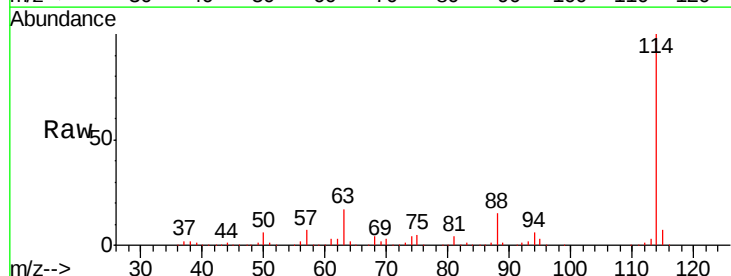
Manual Integrations
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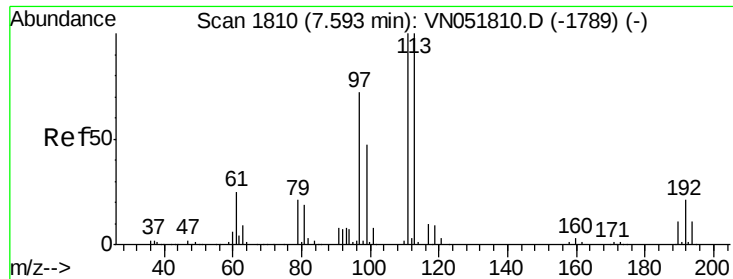
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion: 114 Resp: 1416588
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 38.6
 88 14.5 0.0 30.6





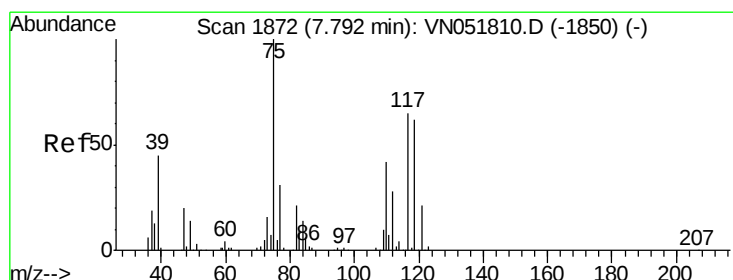
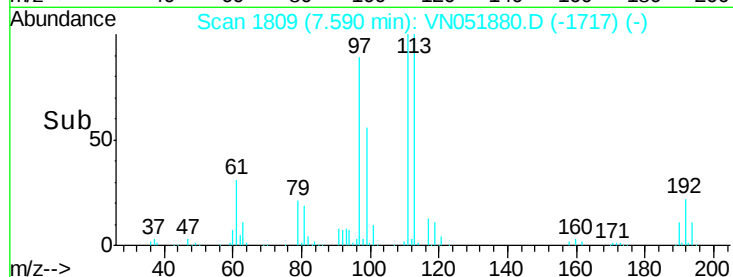
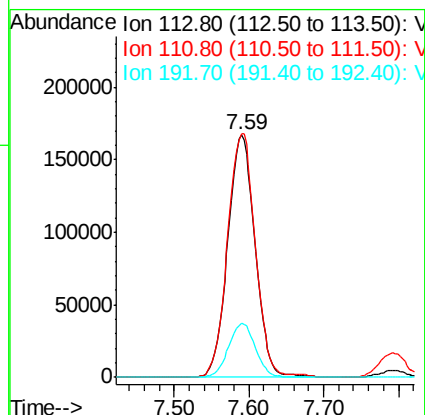
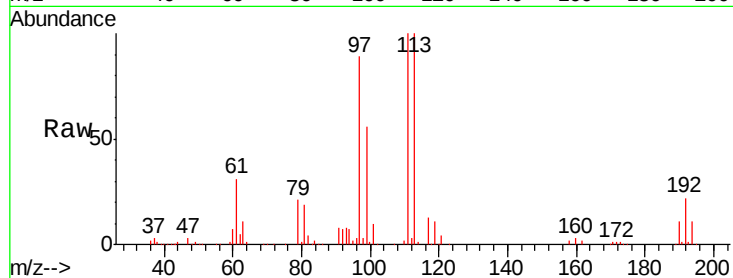
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	21.8	18.0	27.0

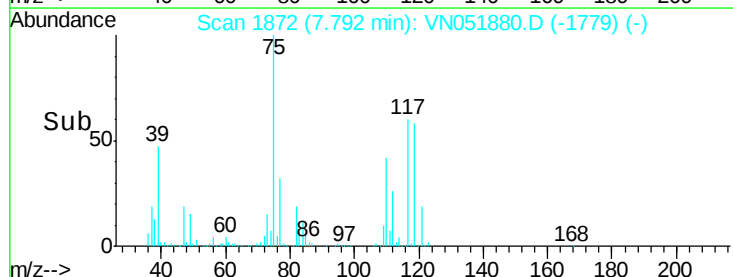
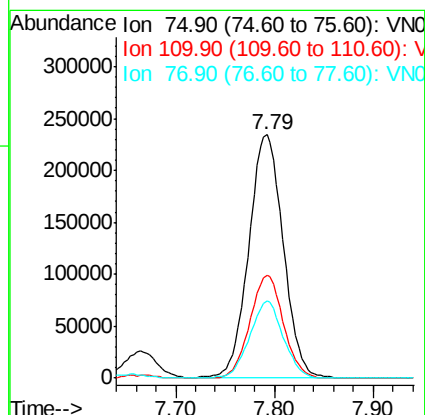
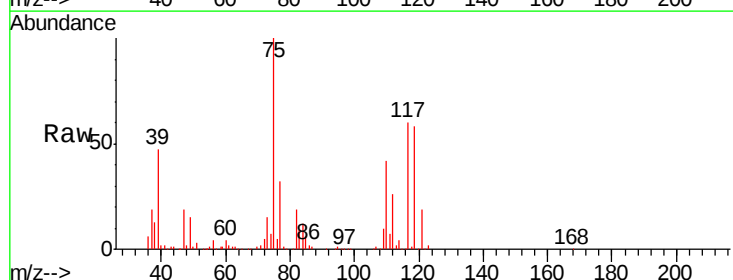
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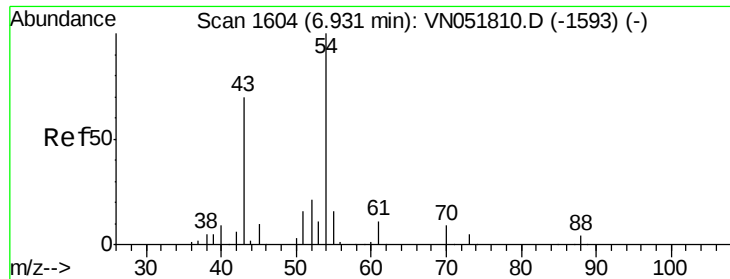
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#36
1,1-Dichloropropene
Concen: 48.99 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.2	18.1	54.4
77	30.9	24.8	37.2





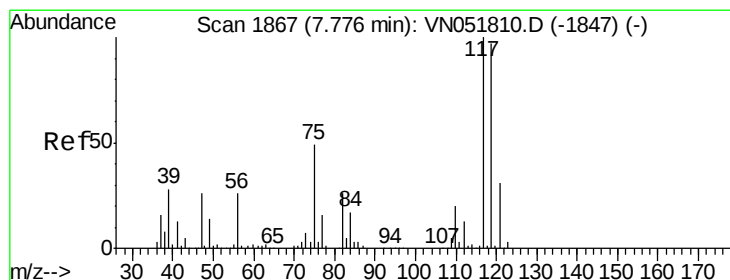
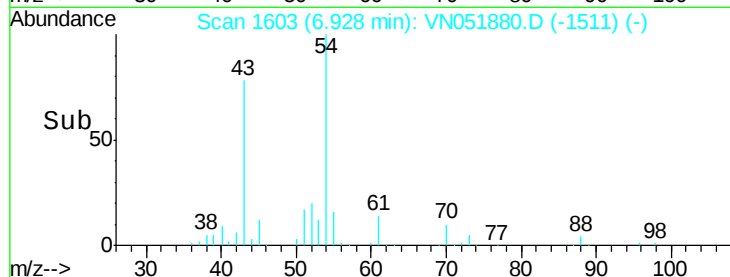
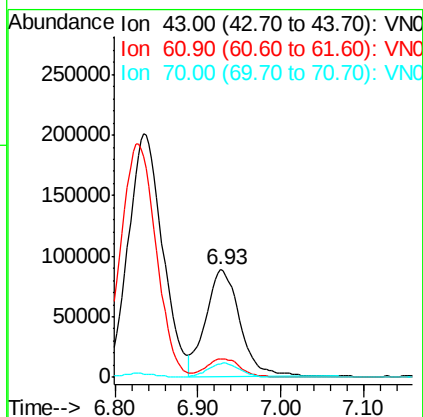
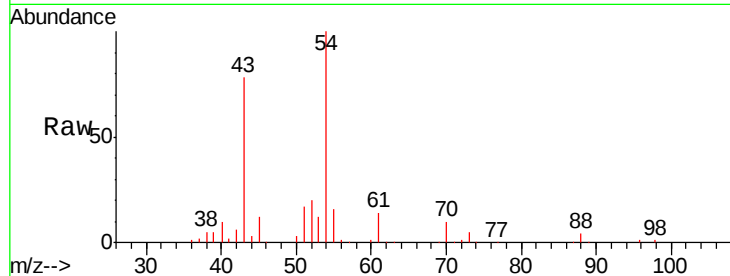
#37
Ethyl Acetate
Concen: 43.48 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.9	12.0	18.0
70	12.6	8.6	13.0

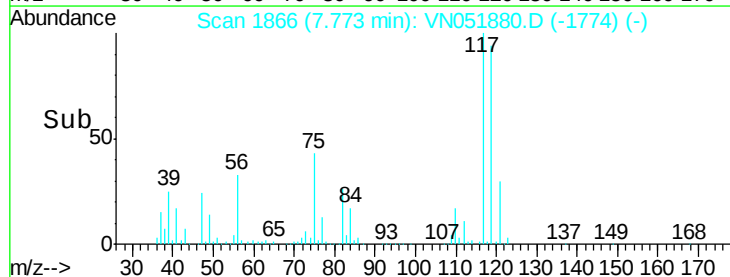
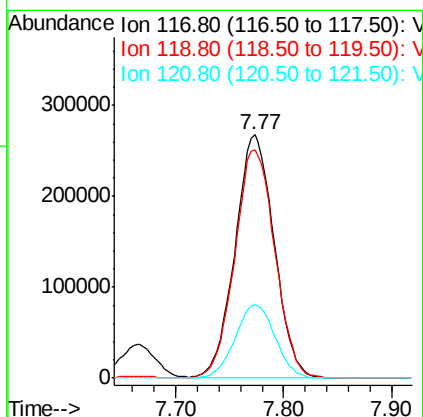
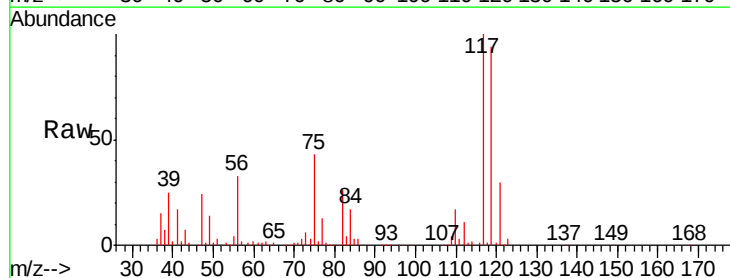
Manual Integrations
APPROVED

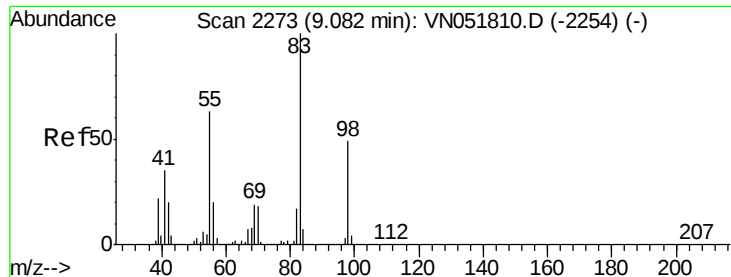
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#38
Carbon Tetrachloride
Concen: 50.67 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.3	114.5
121	30.1	24.6	36.8





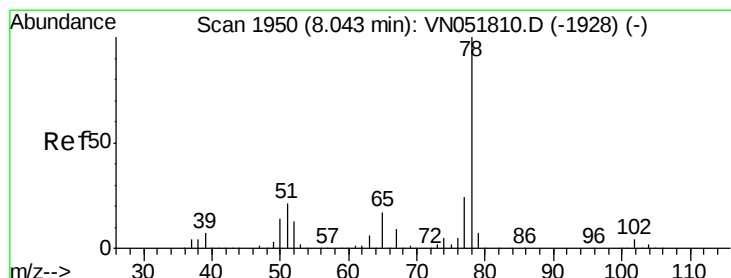
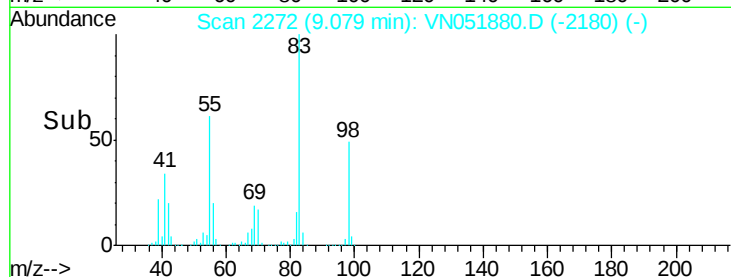
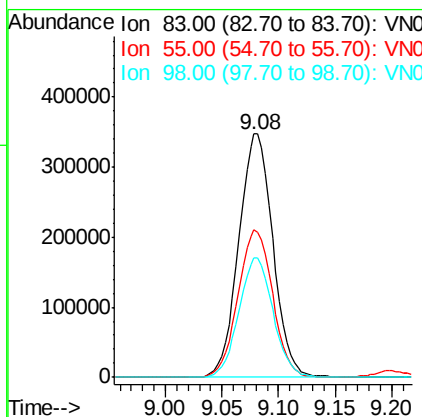
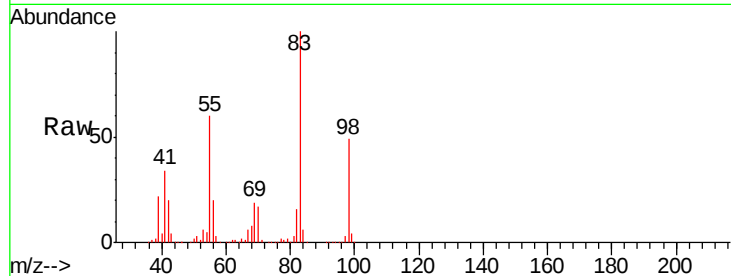
#39
Methylcyclohexane
Concen: 51.91 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	60.5	61.0	91.4#
98	49.2	37.5	56.3

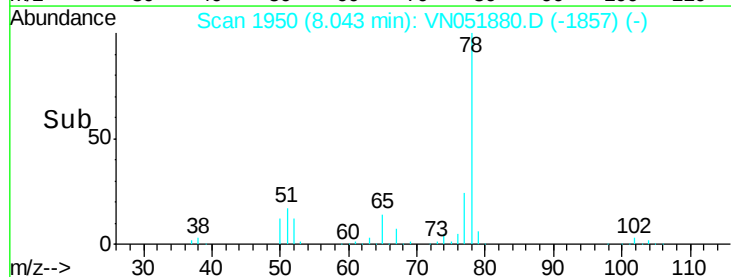
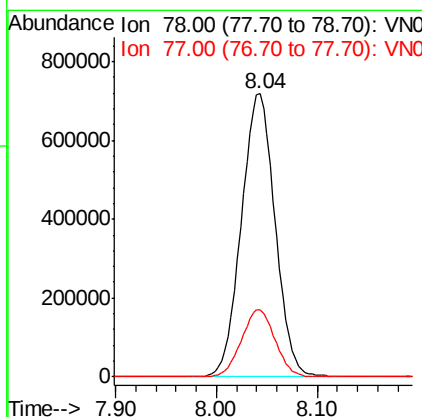
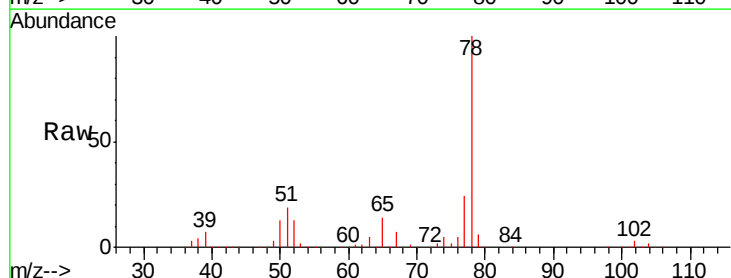
Manual Integrations
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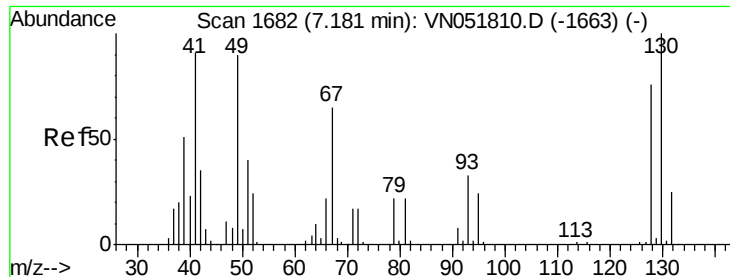
MMDadoda
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#40
Benzene
Concen: 50.23 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 43.78 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 124276
Ion Ratio Lower Upper

41 100

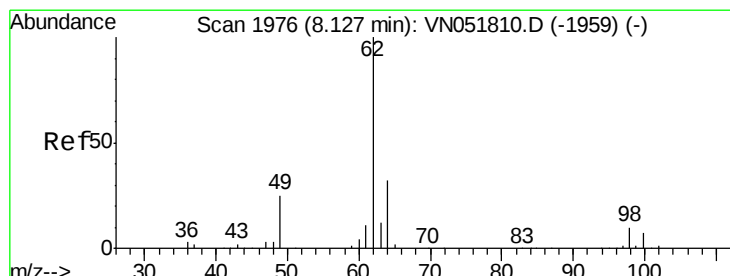
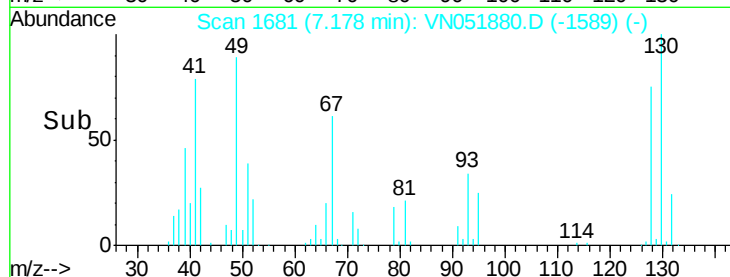
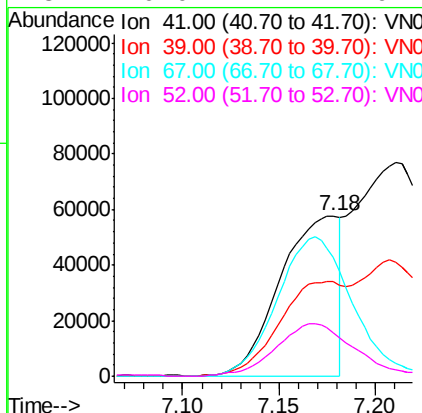
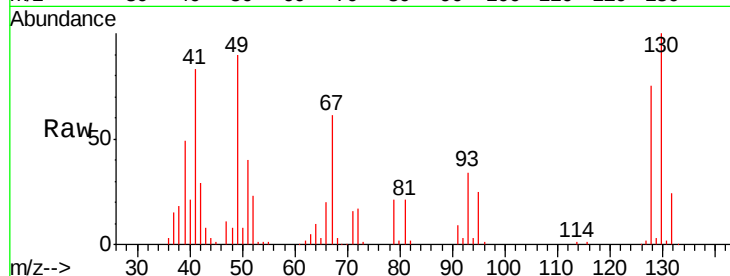
39 0.0 45.4 68.0#

67 0.0 70.6 106.0#

52 0.0 27.1 40.7#

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#42

1,2-Dichloroethane

Concen: 48.19 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

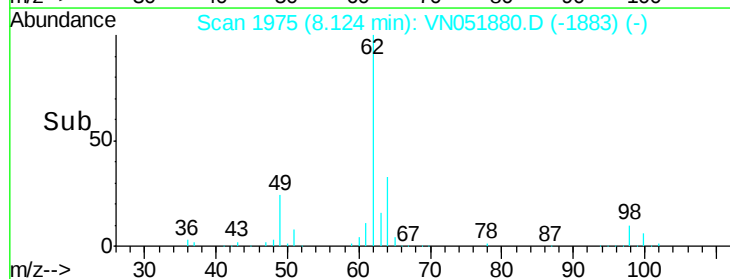
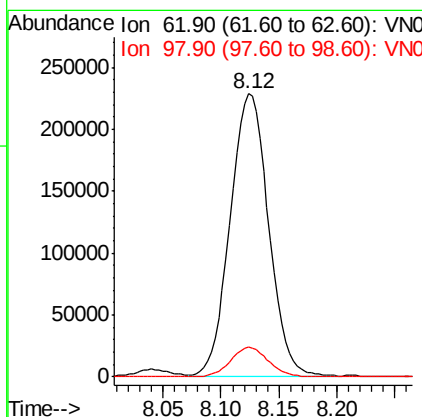
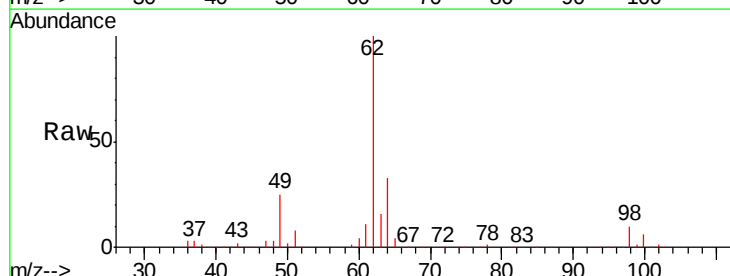
Lab File: VN051880.D

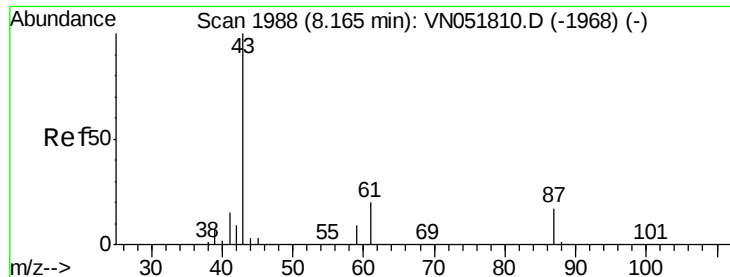
Acq: 16 Oct 2018 8:37

Tgt Ion: 62 Resp: 522670
Ion Ratio Lower Upper

62 100

98 10.3 0.0 19.6





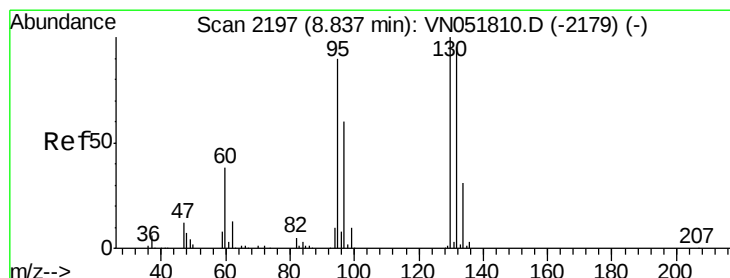
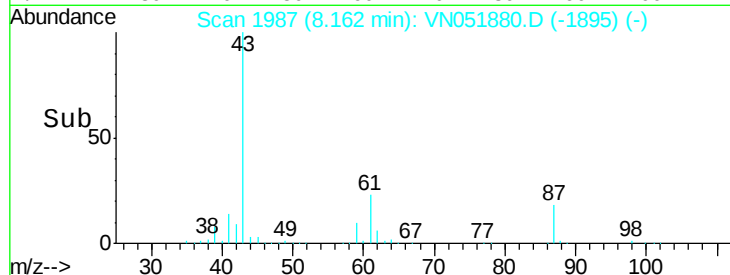
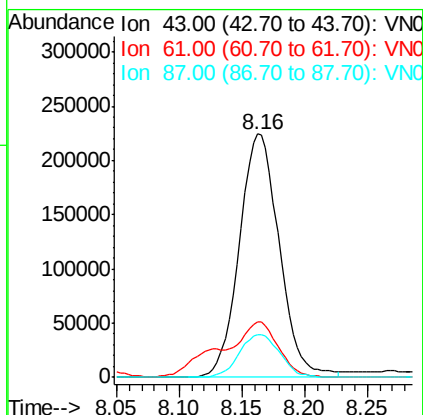
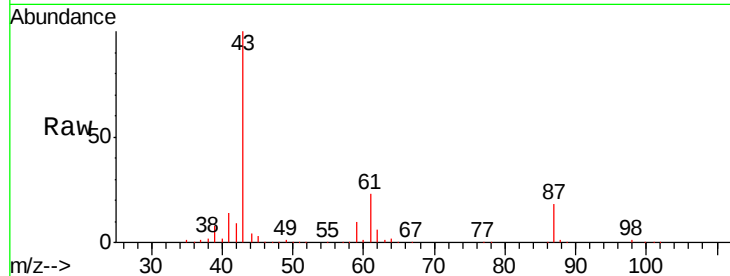
#43
Isopropyl Acetate
Concen: 42.20 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.6	17.5	26.3
87	18.0	11.3	16.9

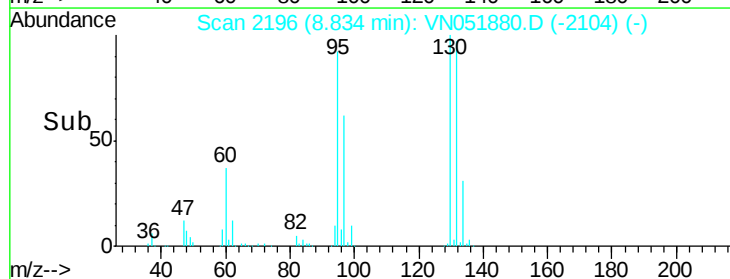
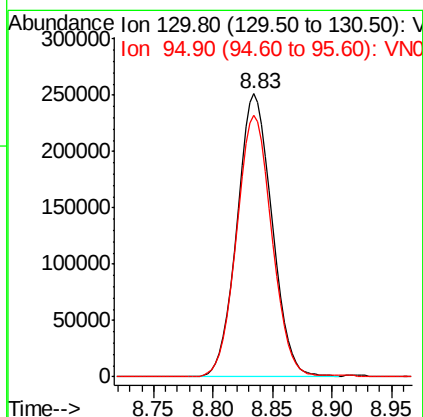
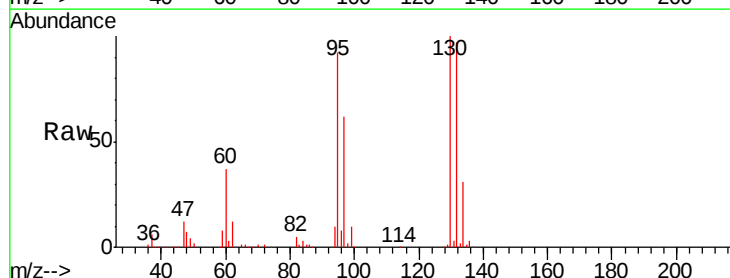
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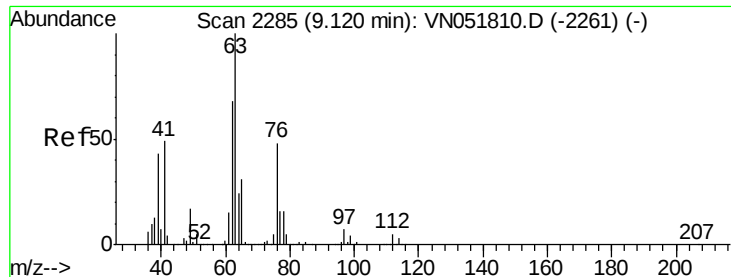
MMDadoda
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#44
Trichloroethene
Concen: 50.91 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	193.0





#45

1,2-Dichloropropane

Concen: 50.34 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 391604

Ion Ratio Lower Upper

63 100

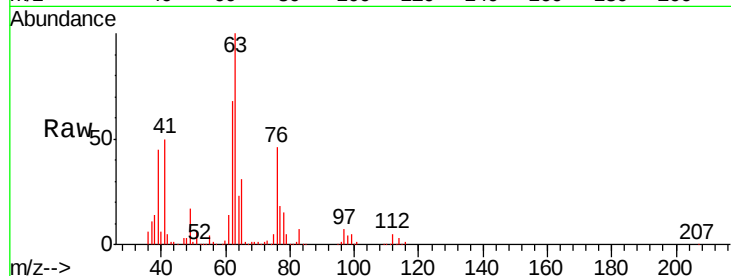
65 31.3 25.0 37.6

Manual Integrations

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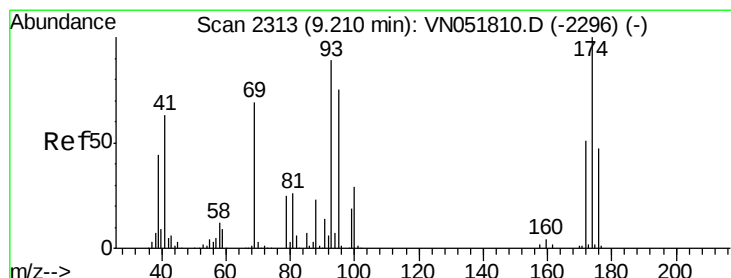
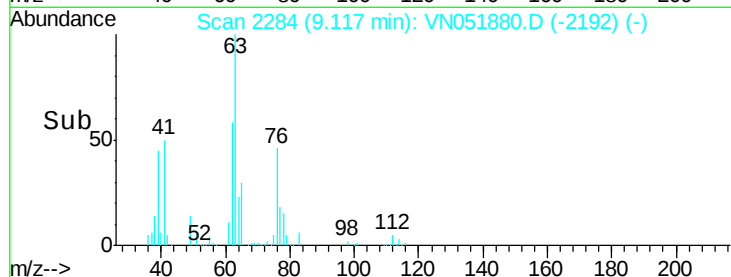
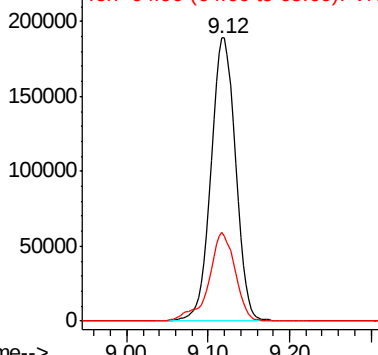
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.58 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

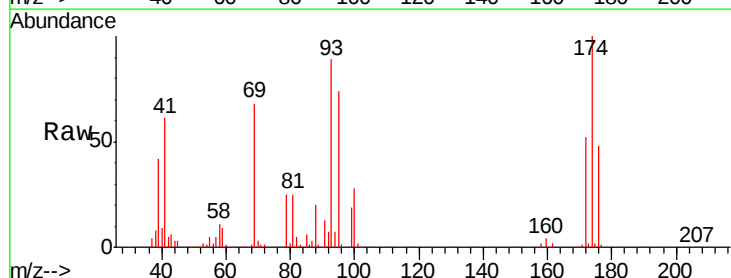
Tgt Ion: 93 Resp: 290016

Ion Ratio Lower Upper

93 100

95 83.5 66.7 100.1

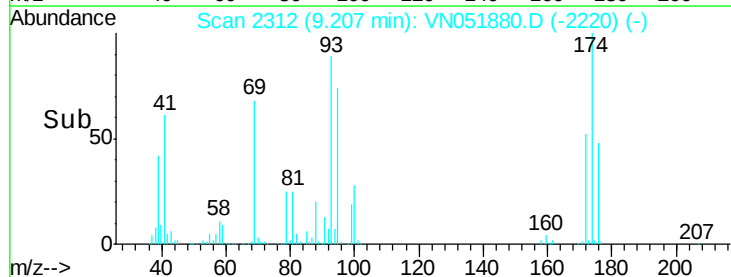
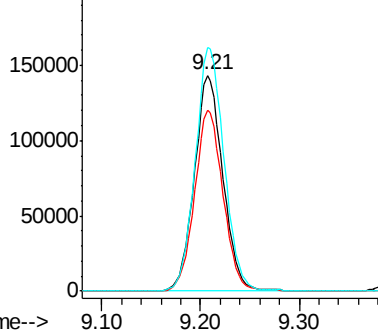
174 113.8 89.8 134.6

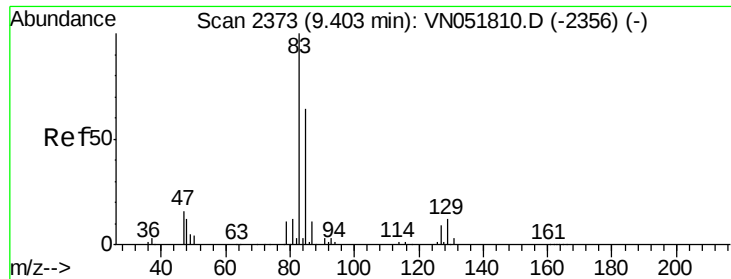


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.52 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

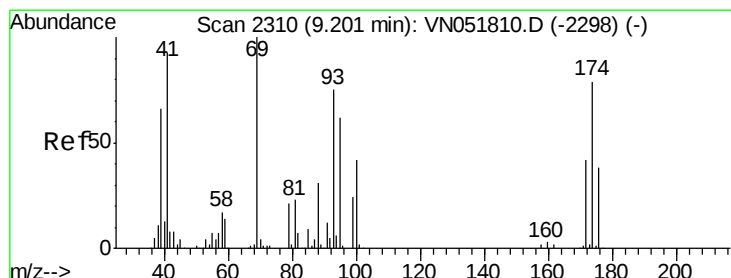
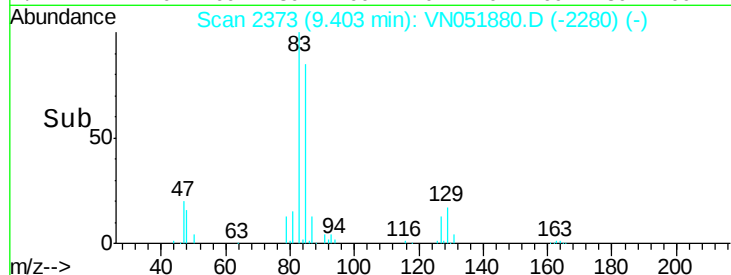
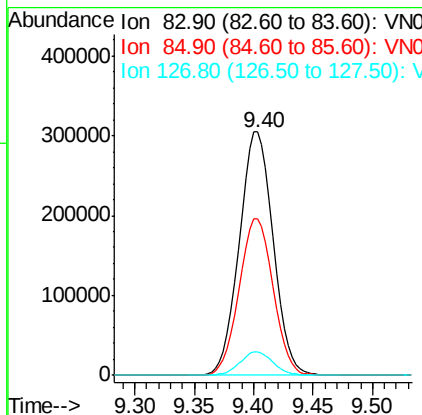
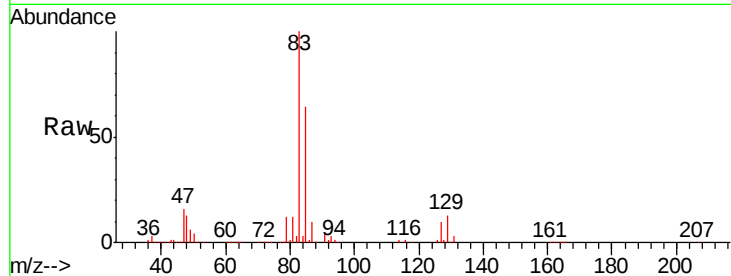
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	602563
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.6	78.8
127	9.8	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 43.41 ug/l

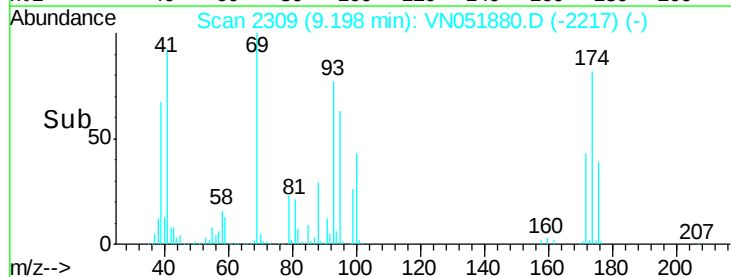
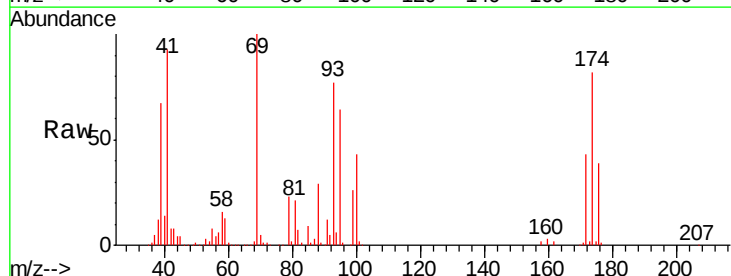
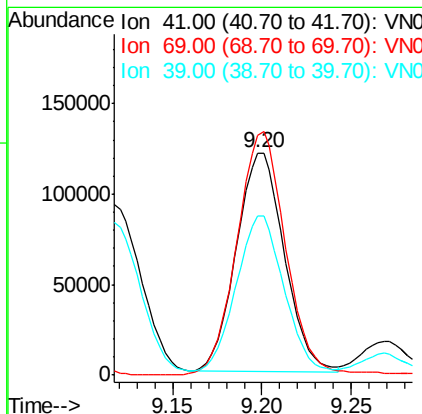
RT: 9.20 min Scan# 2309

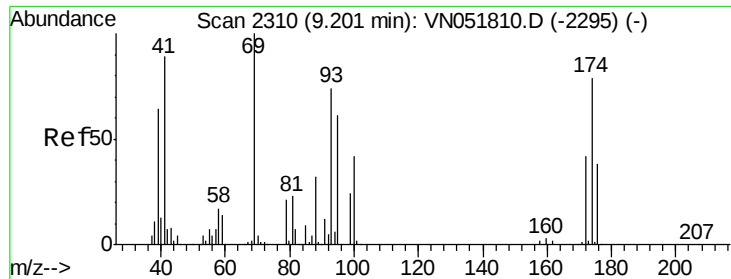
Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Tgt Ion:	41	Resp:	227679
Ion Ratio	Lower	Upper	
41	100		
69	112.6	74.7	112.1#
39	73.9	42.2	63.2#





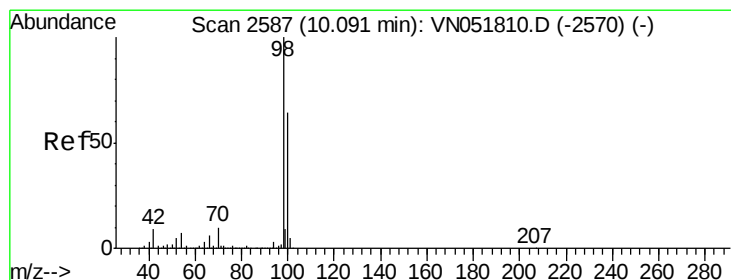
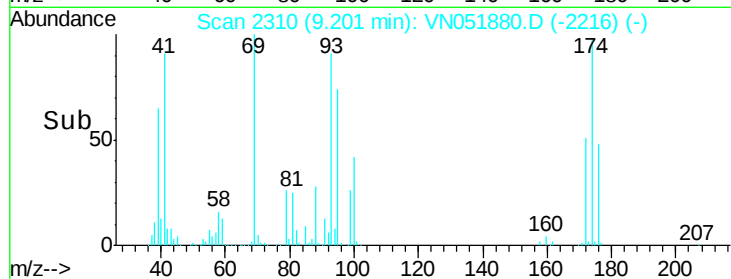
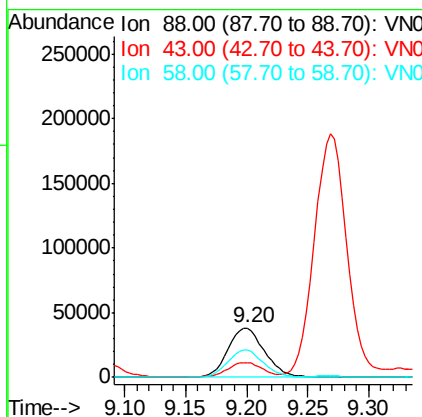
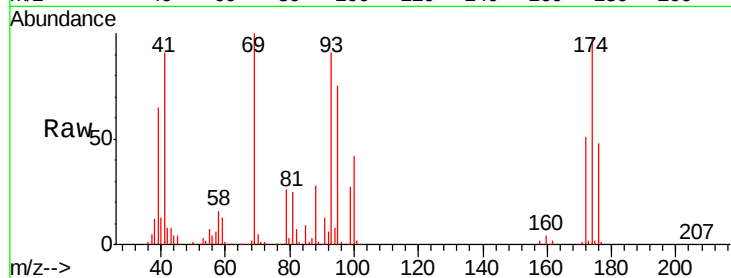
#49
1,4-Dioxane
Concen: 793.56 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.1	25.9	38.9
58	54.4	55.0	82.4

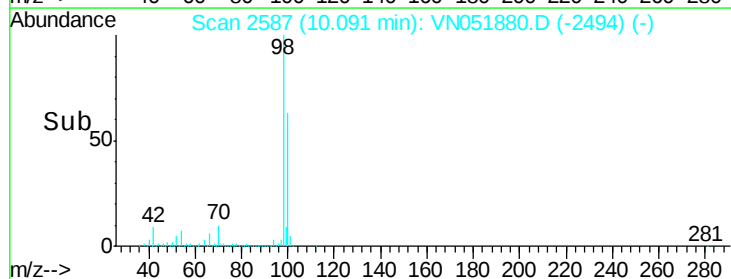
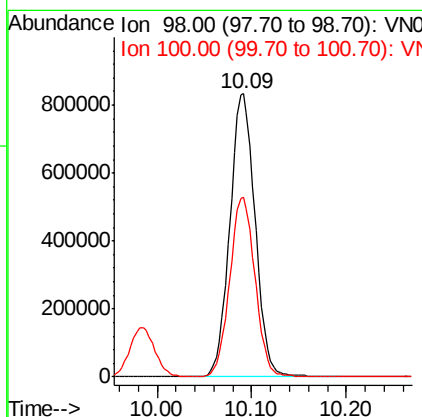
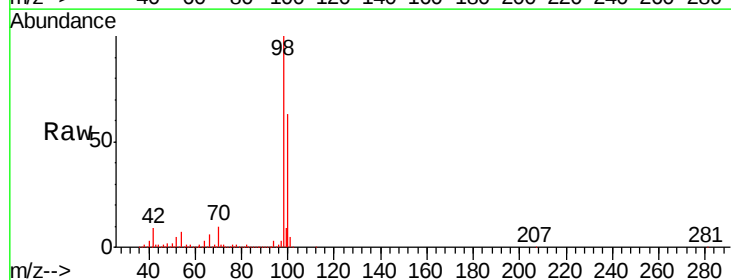
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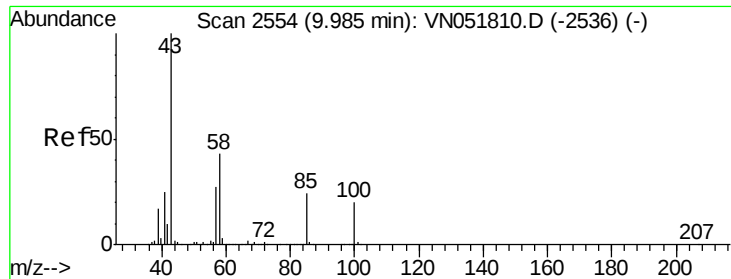
MMDadoda
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#50
Toluene-d8
Concen: 793.56 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3





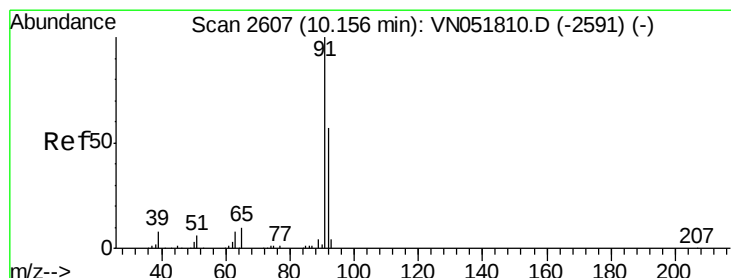
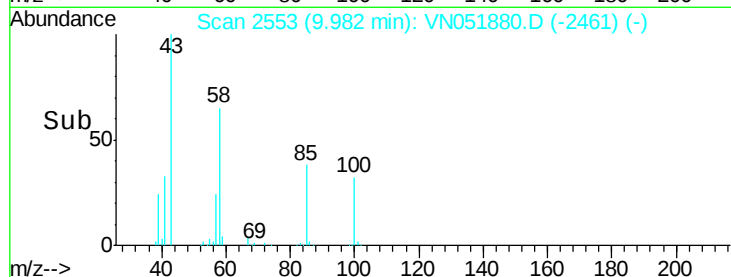
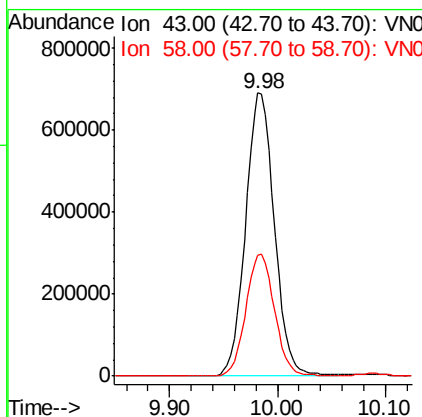
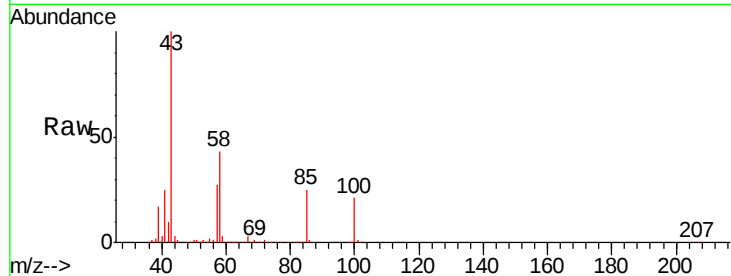
#51
 4-Methyl-2-Pentanone
 Concen: 208.86 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1276615
 Ion Ratio Lower Upper
 43 100
 58 43.2 32.4 48.6

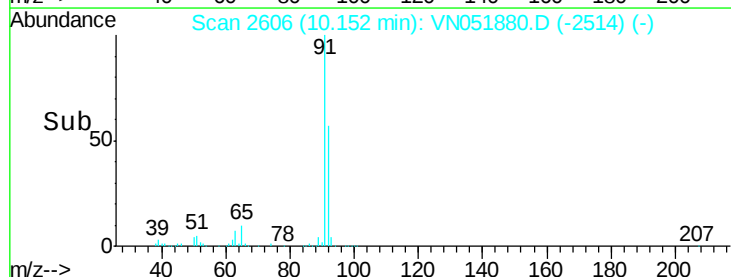
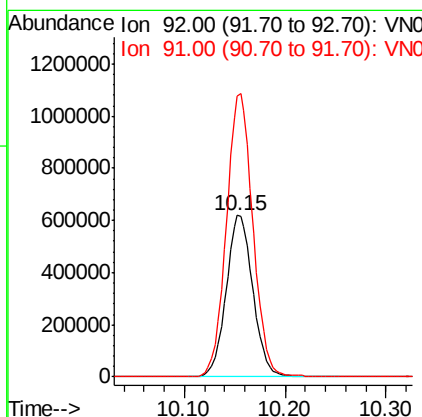
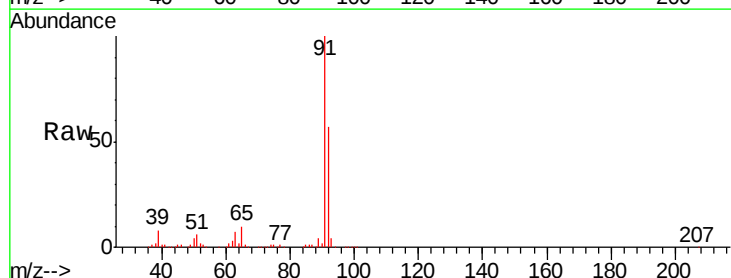
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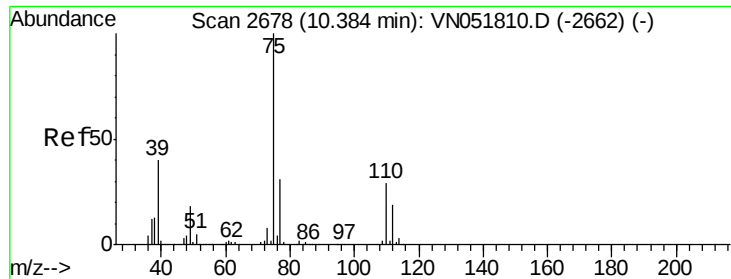
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#52
 Toluene
 Concen: 51.35 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion: 92 Resp: 1140636
 Ion Ratio Lower Upper
 92 100
 91 174.8 140.6 211.0





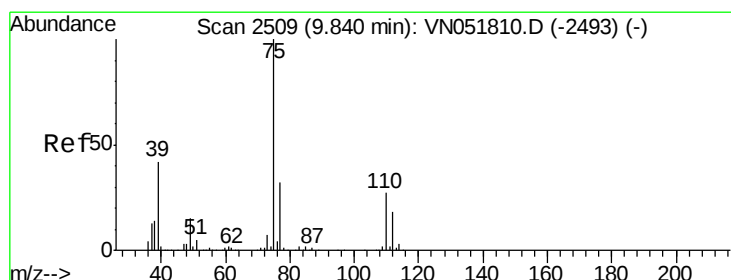
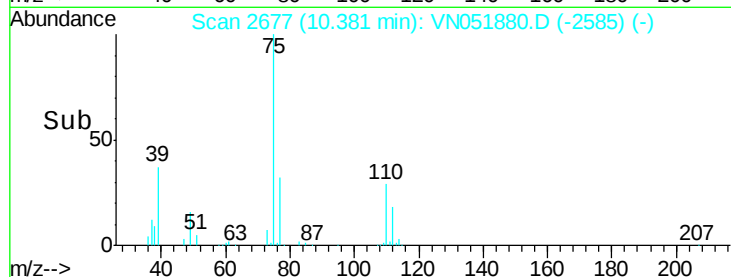
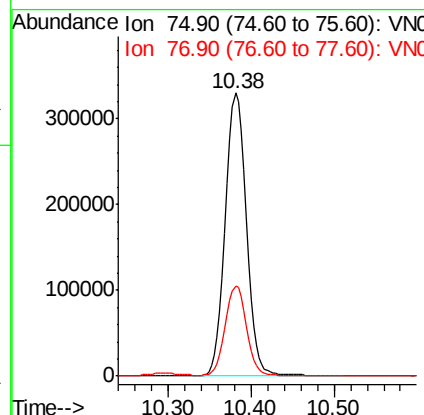
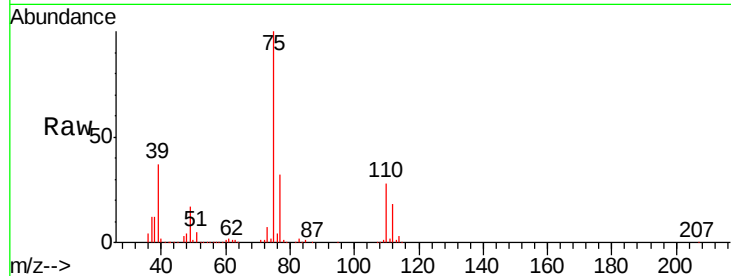
#53
t-1,3-Dichloropropene
Concen: 48.92 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 584622
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5

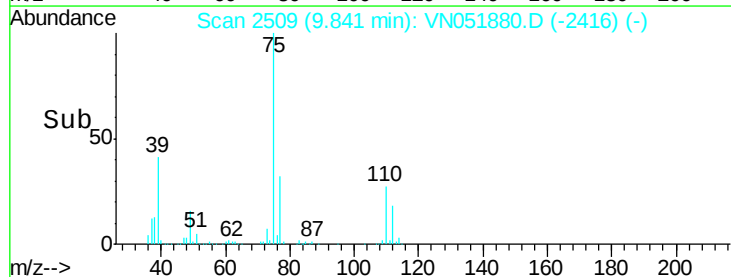
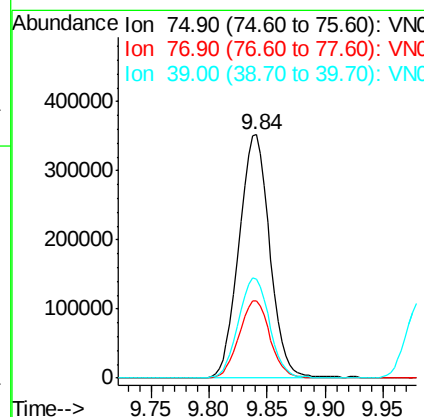
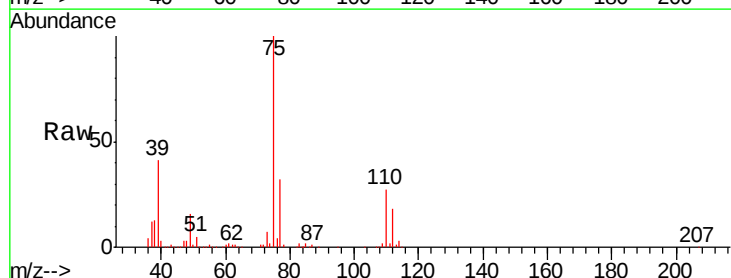
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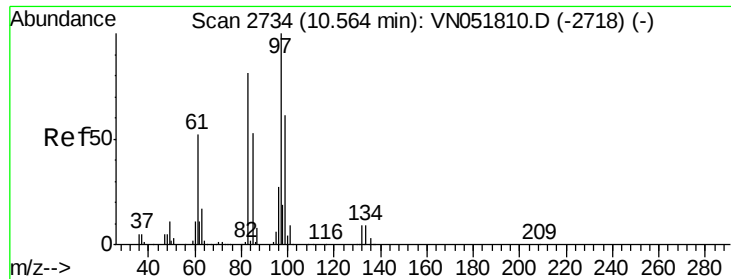
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.47 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion: 75 Resp: 649038
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2
39 40.8 33.0 49.4





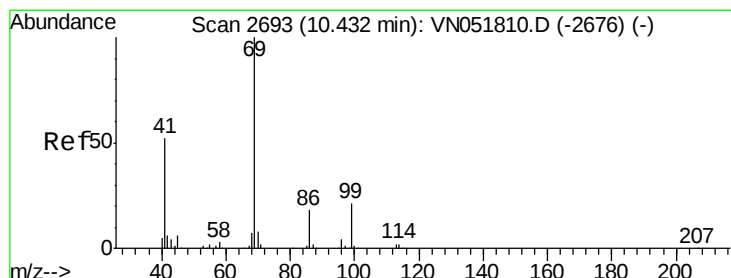
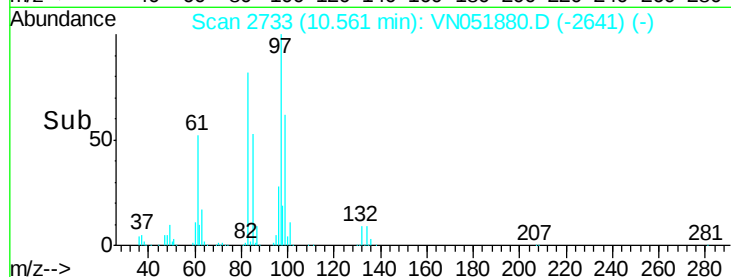
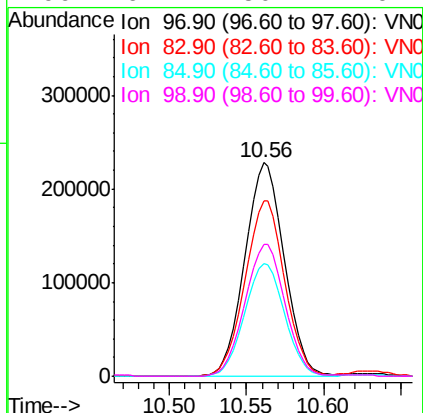
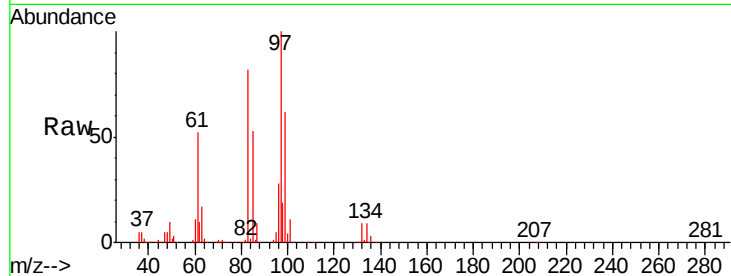
#55
 1,1,2-Trichloroethane
 Concen: 48.57 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.3	69.7	104.5
85	52.8	44.5	66.7
99	61.7	50.7	76.1

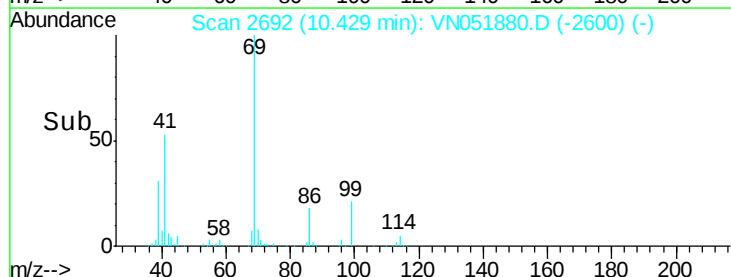
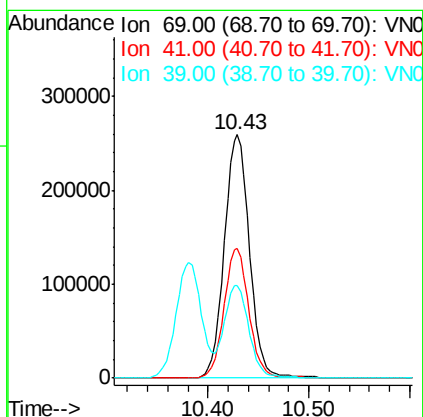
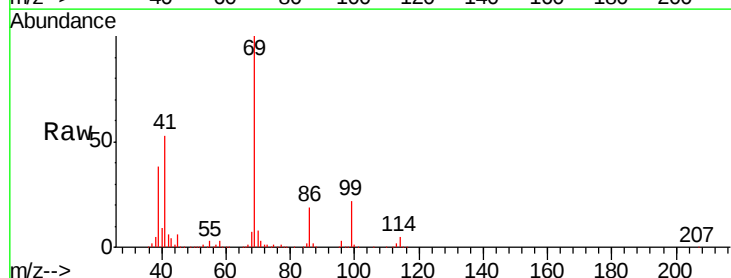
Manual Integrations
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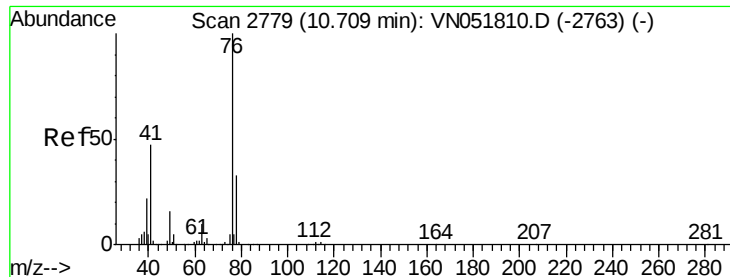
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#56
 Ethyl methacrylate
 Concen: 45.97 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	52.0	48.3	72.5
39	37.0	24.0	36.0#





#57

1,3-Dichloropropane

Concen: 47.51 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 616813

Ion Ratio Lower Upper

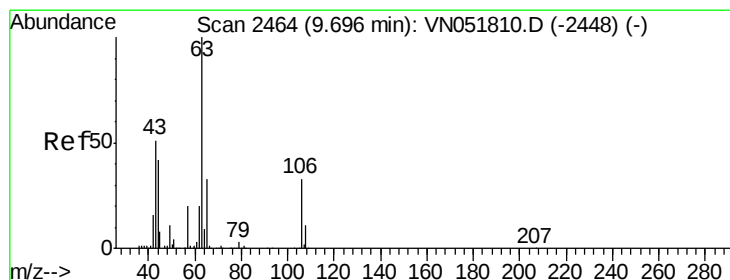
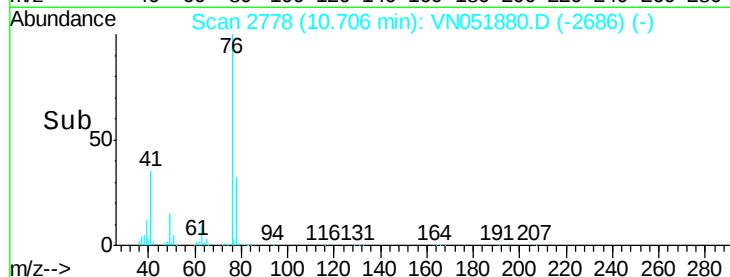
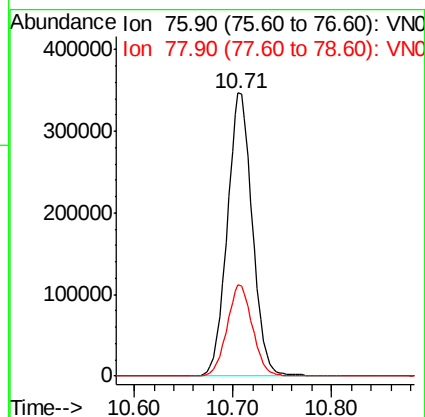
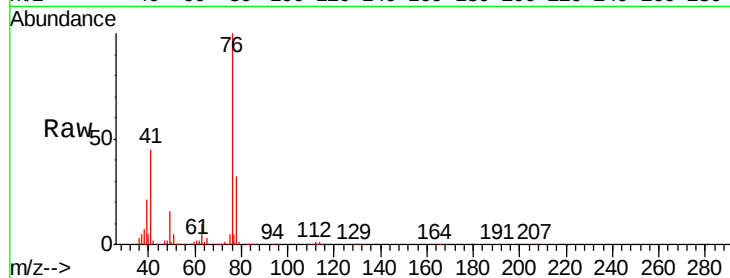
76 100

78 32.8 25.5 38.3

Manual Integrations
APPROVED

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#58

2-Chloroethyl Vinyl ether

Concen: 225.85 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051880.D

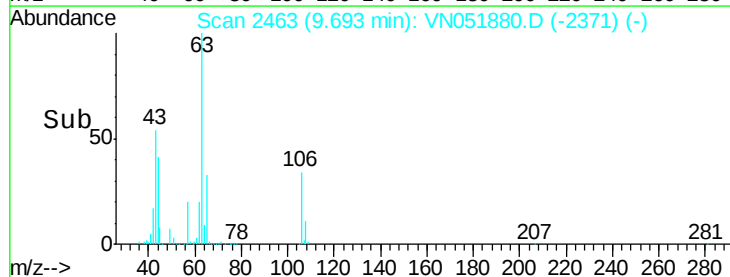
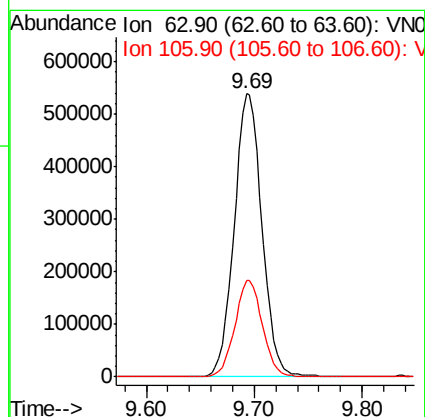
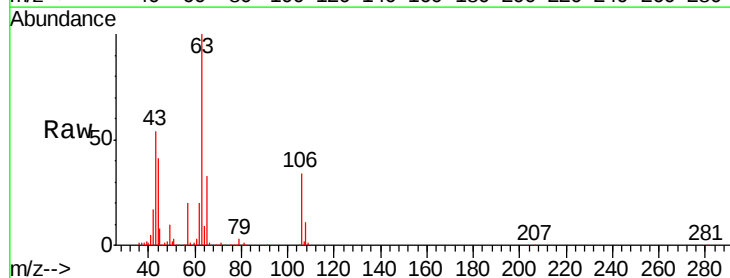
Acq: 16 Oct 2018 8:37

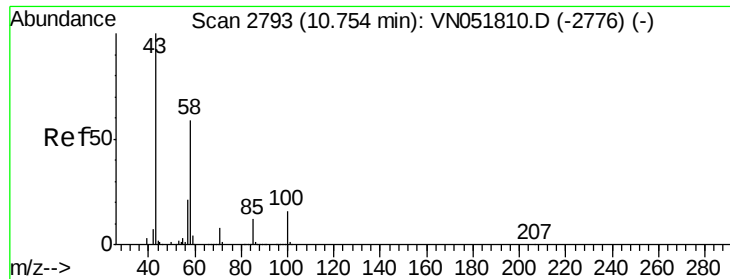
Tgt Ion: 63 Resp: 967797

Ion Ratio Lower Upper

63 100

106 33.7 21.9 32.9#





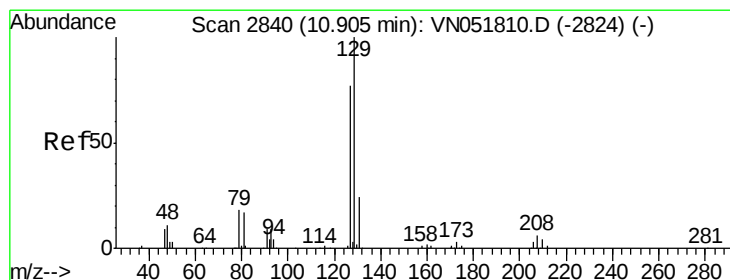
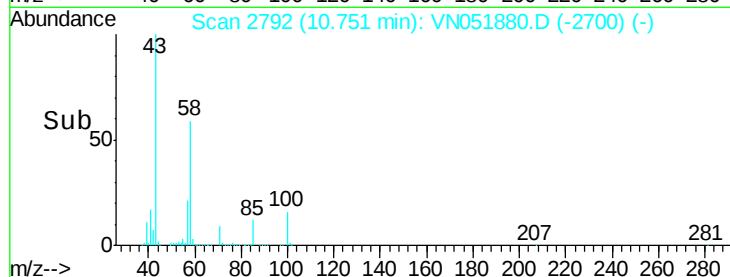
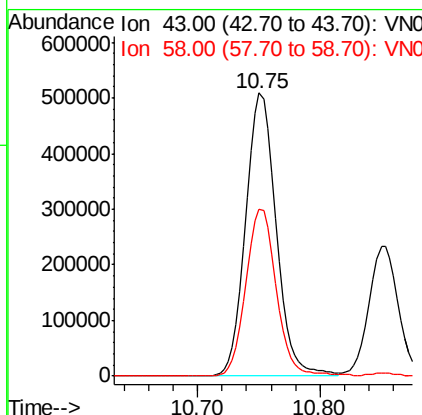
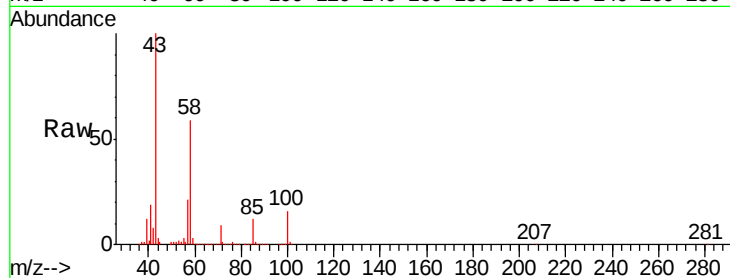
#59
2-Hexanone
Concen: 203.67 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 874343
Ion Ratio Lower Upper
43 100
58 59.2 28.3 85.0

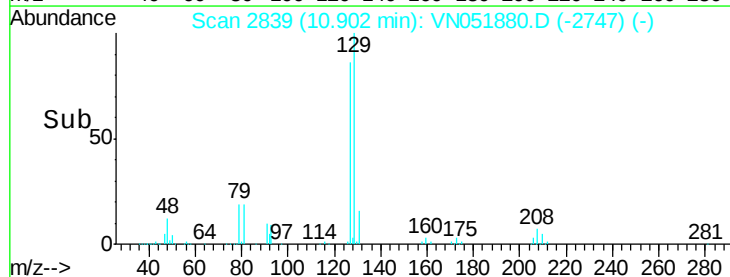
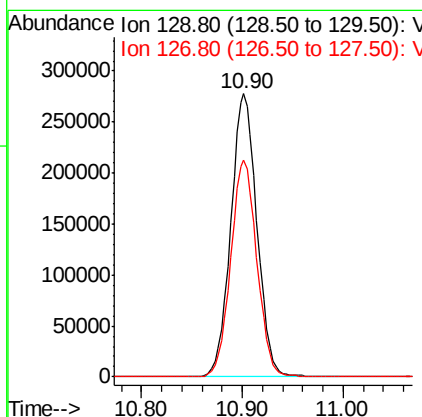
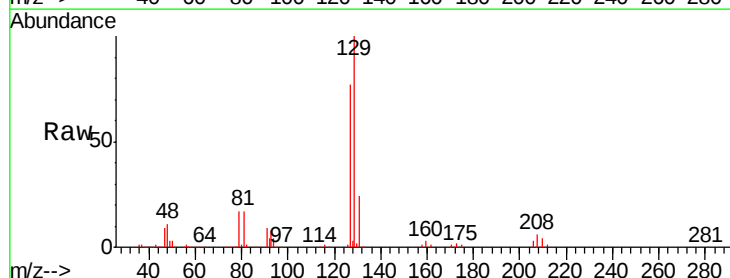
Manual Integrations
APPROVED

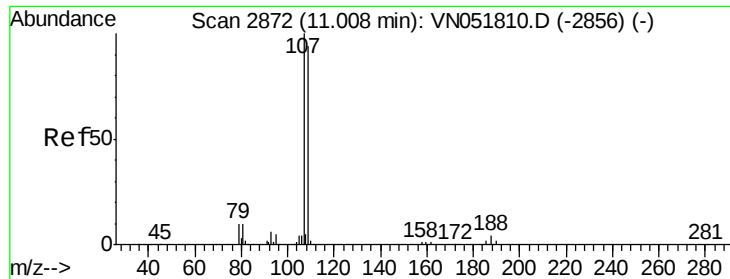
MMDadoda
10/17/2018 1:11:42 PM



#60
Dibromochloromethane
Concen: 50.30 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion: 129 Resp: 498975
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.9





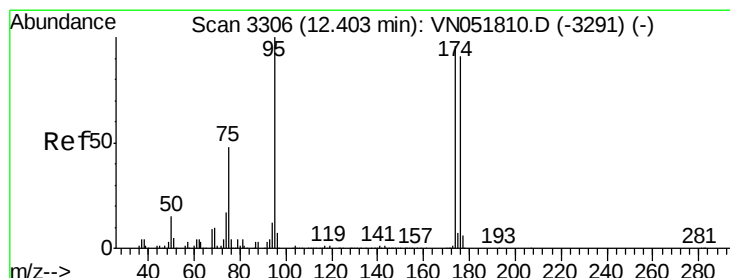
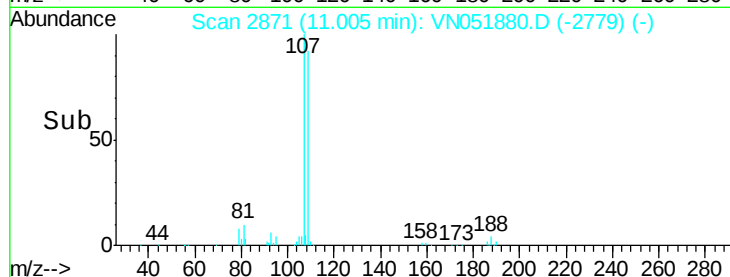
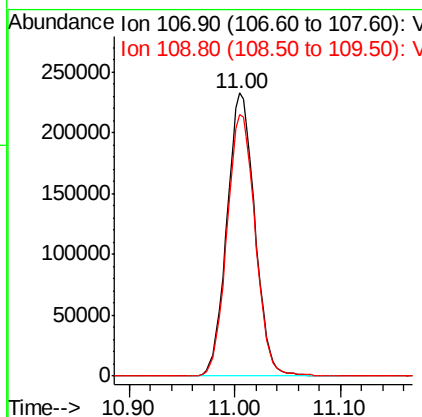
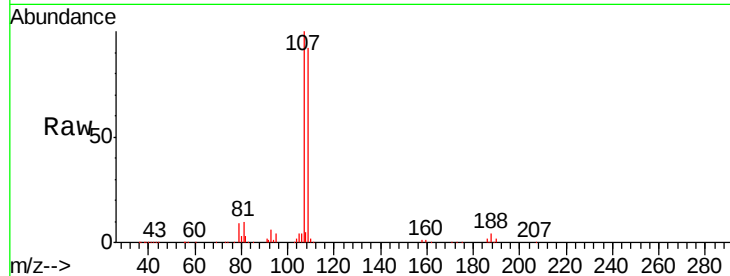
#61
 1,2-Dibromoethane
 Concen: 49.39 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 425110
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.4 113.2

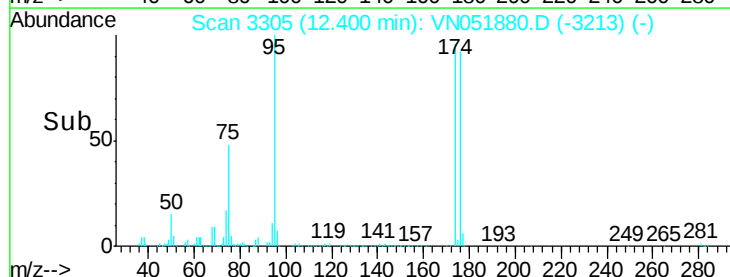
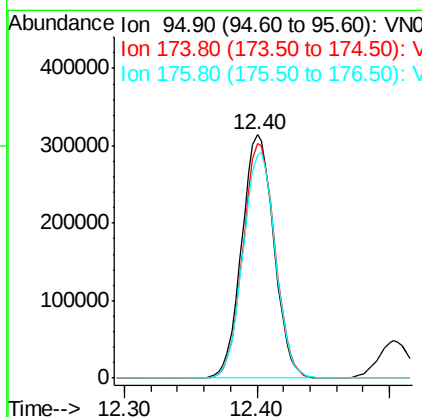
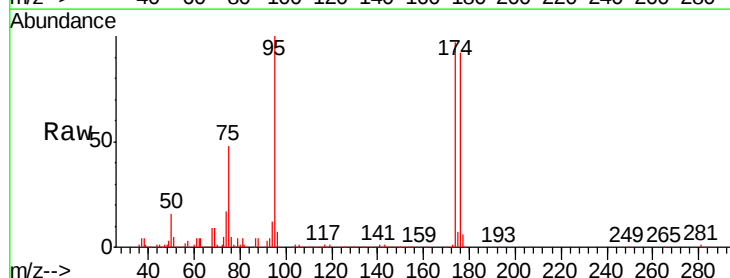
Manual Integrations
 APPROVED

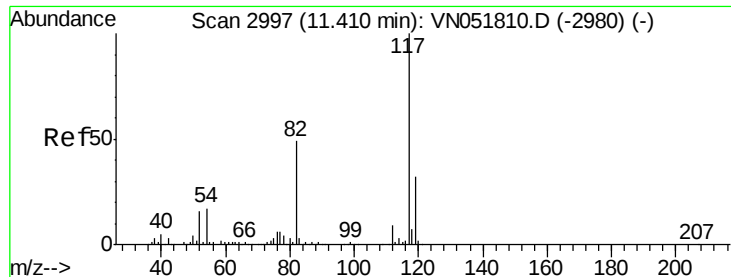
MMDadoda
 10/17/2018 1:11:42 PM



#62
 4-Bromofluorobenzene
 Concen: 49.39 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion: 95 Resp: 529077
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 183.0
 176 93.5 0.0 178.8





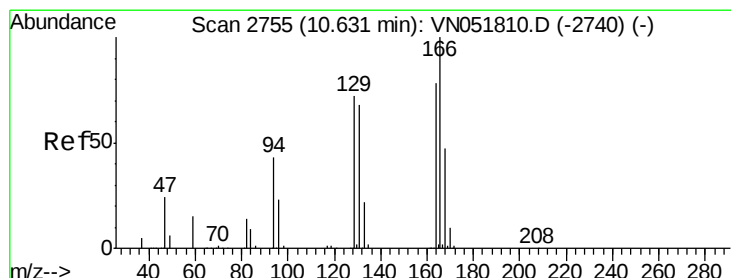
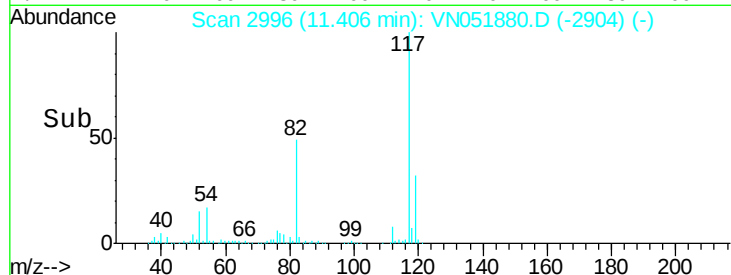
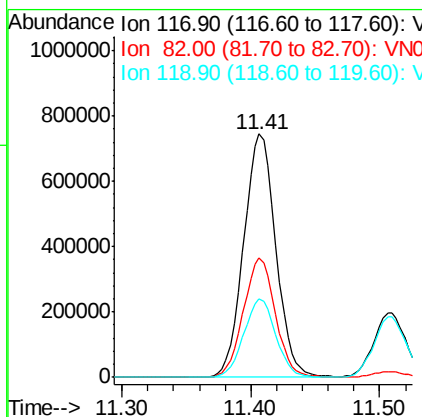
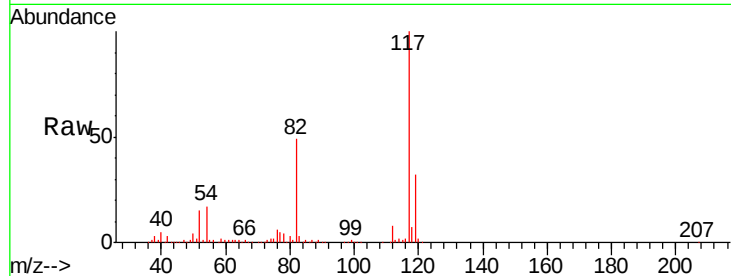
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.9	42.6	64.0
119	32.2	25.8	38.6

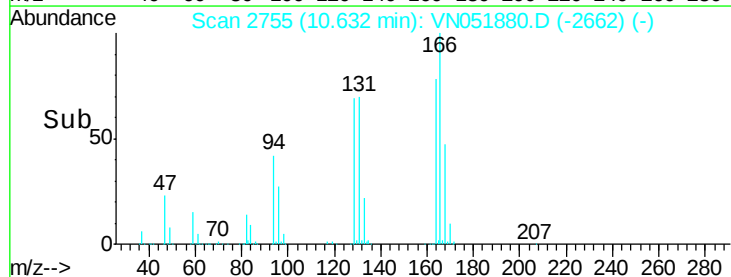
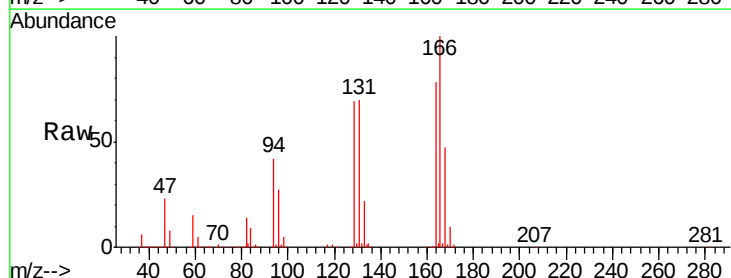
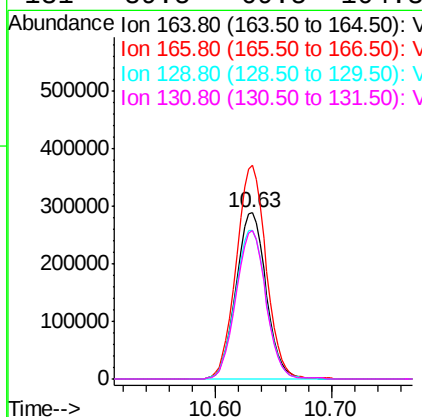
Manual Integrations
APPROVED

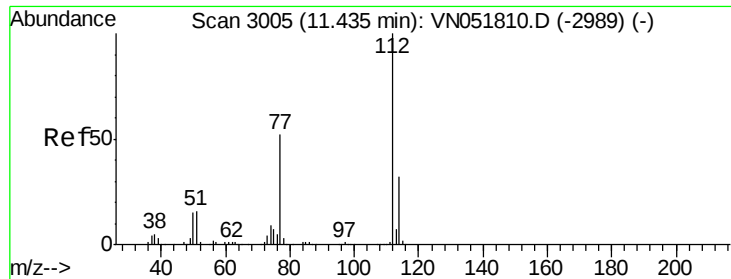
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#64
Tetrachloroethene
Concen: 52.29 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.5	155.3
129	89.3	72.7	109.1
131	89.5	69.5	104.3





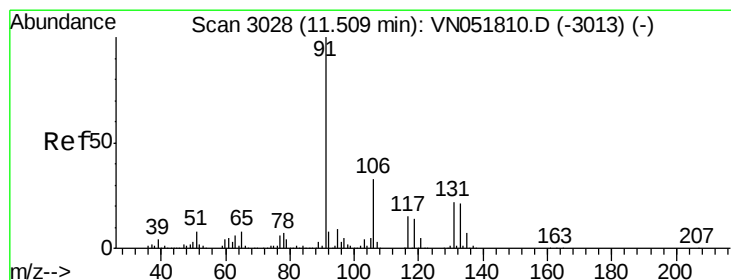
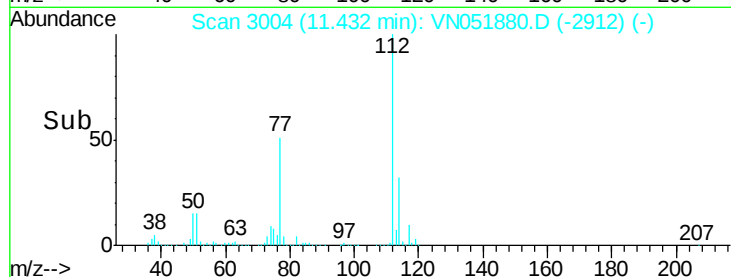
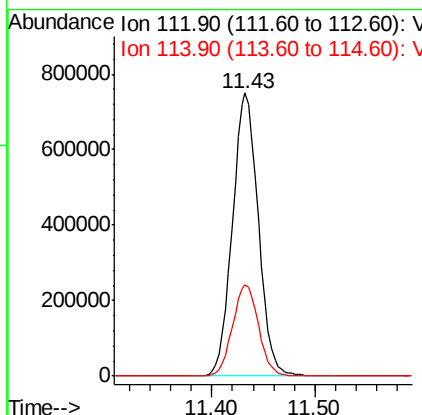
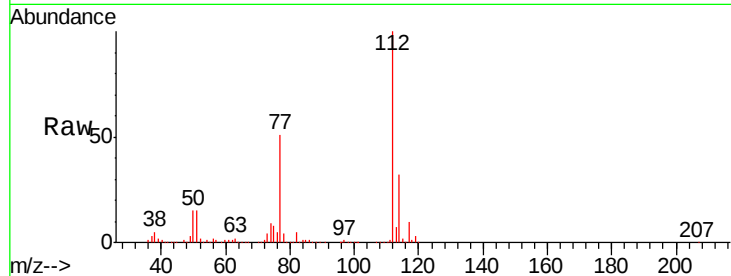
#65
Chlorobenzene
Concen: 50.03 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1308902
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

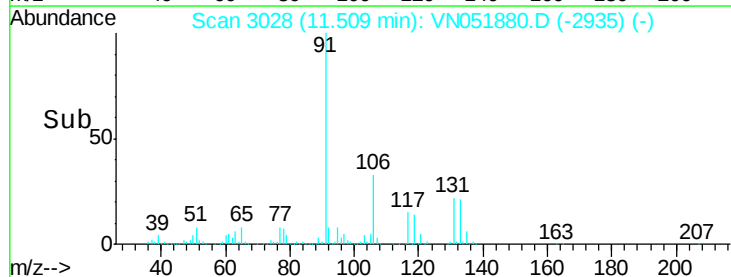
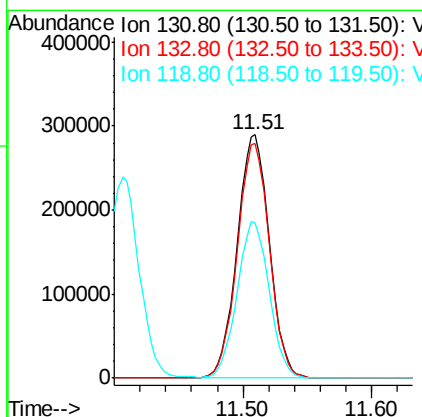
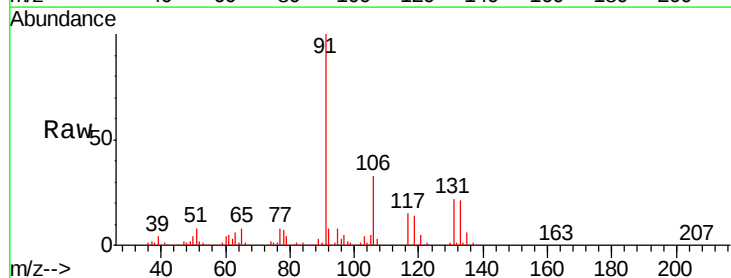
Manual Integrations
APPROVED

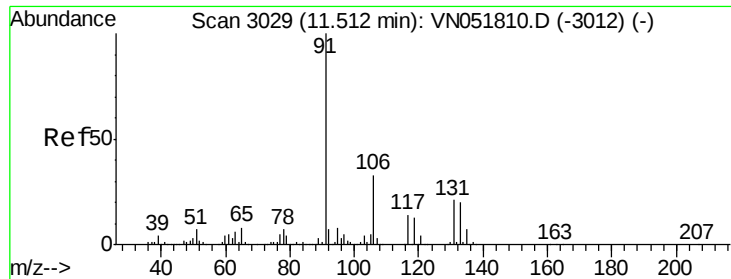
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.40 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion:131 Resp: 502605
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 64.1 32.8 98.4





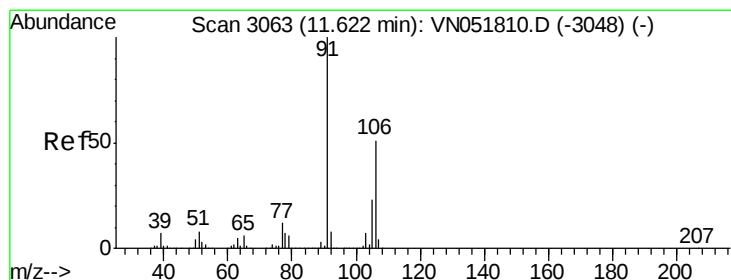
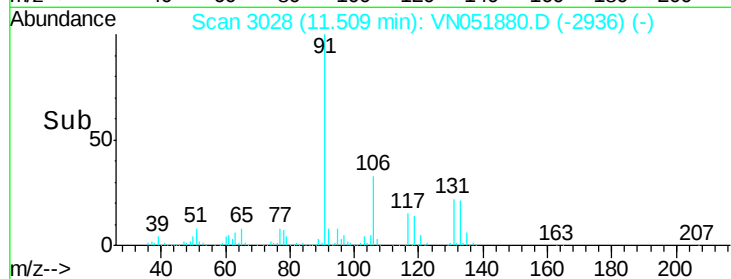
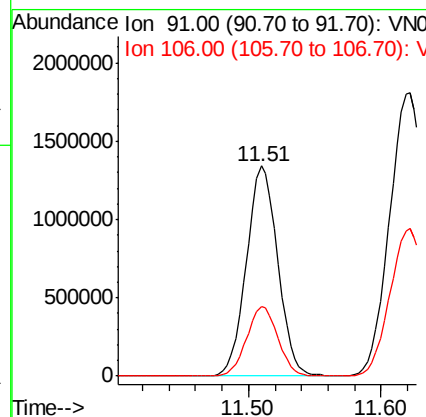
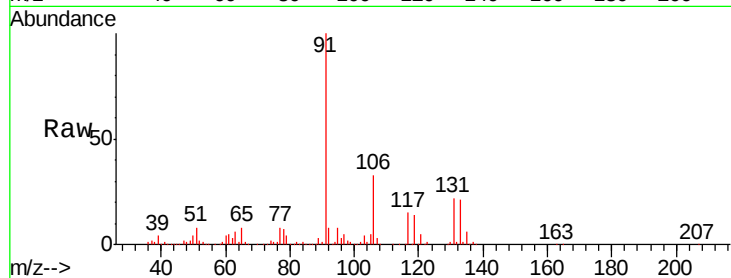
#67
Ethyl Benzene
Concen: 50.89 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2204164
Ion Ratio Lower Upper
91 100
106 33.0 25.0 37.4

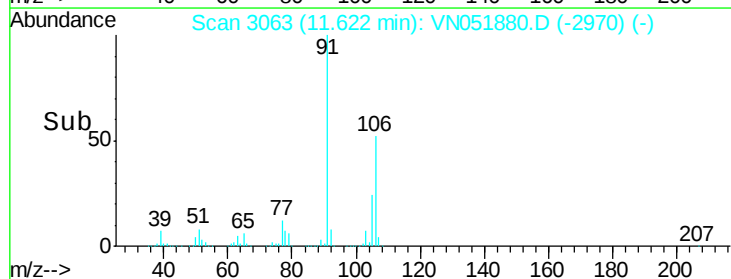
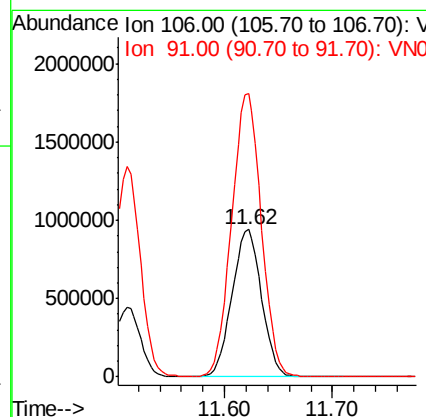
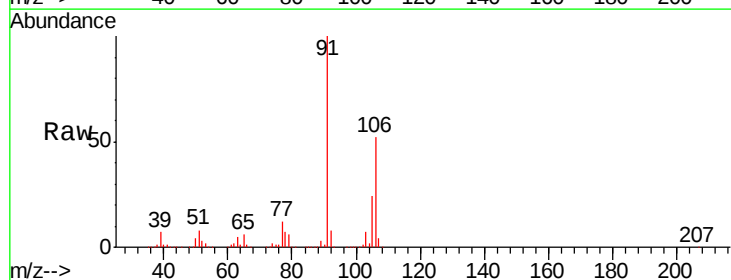
Manual Integrations
APPROVED

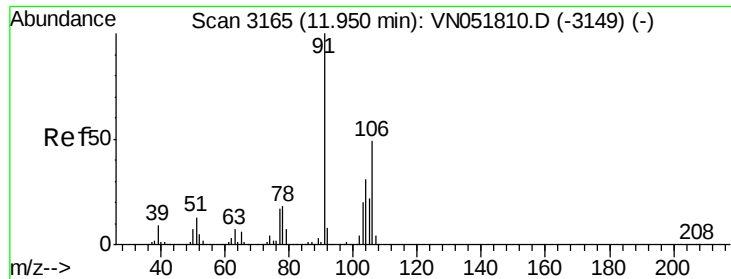
MMDadoda
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#68
m/p-Xylenes
Concen: 102.60 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion: 106 Resp: 1795098
Ion Ratio Lower Upper
106 100
91 192.9 161.0 241.6





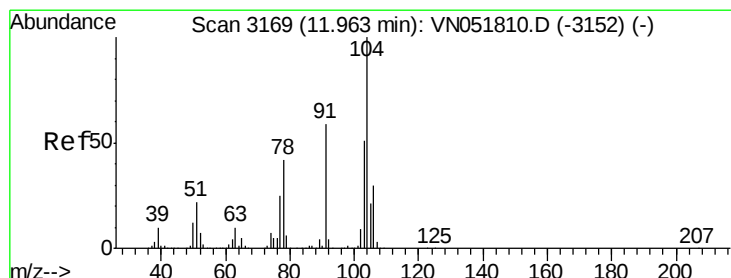
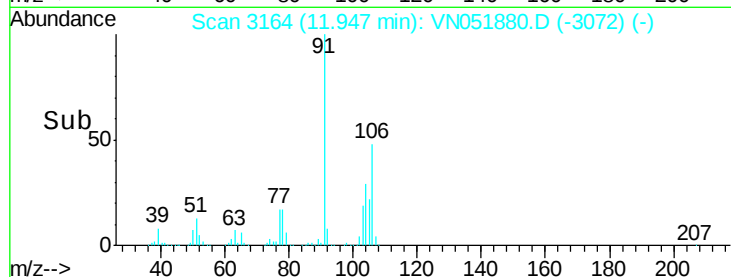
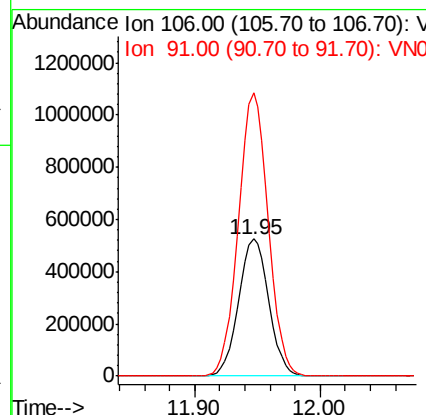
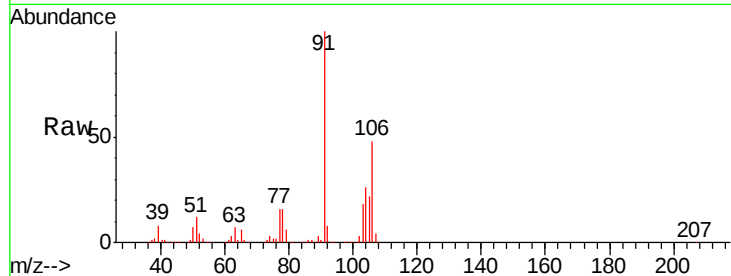
#69
o-Xylene
Concen: 51.55 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 875993
Ion Ratio Lower Upper
106 100
91 203.8 106.5 319.5

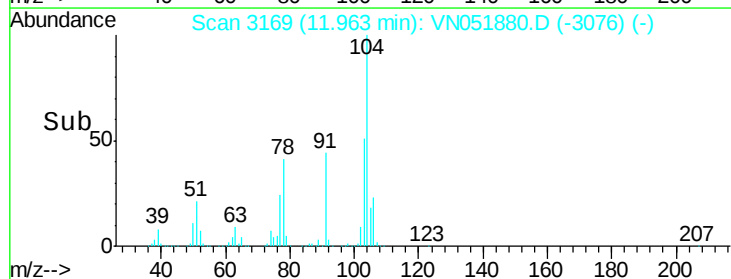
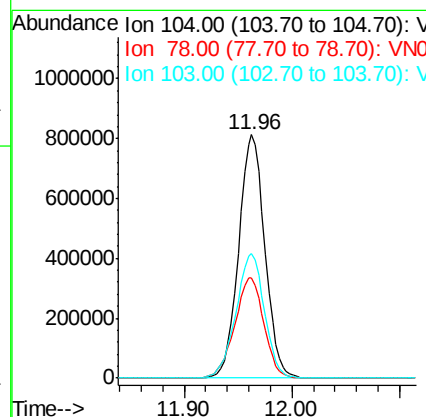
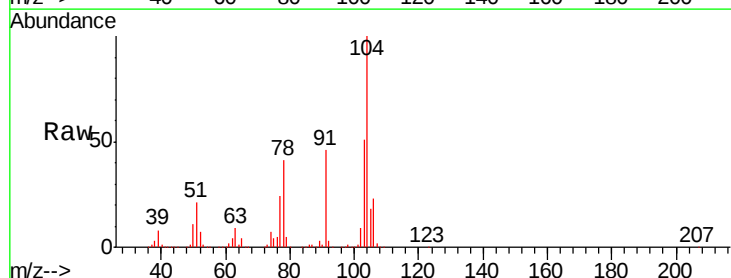
Manual Integrations
APPROVED

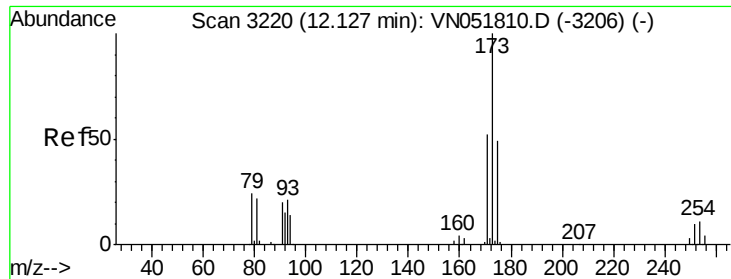
MMDadoda
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#70
Styrene
Concen: 52.48 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion:104 Resp: 1375770
Ion Ratio Lower Upper
104 100
78 45.9 38.2 57.4
103 55.9 44.4 66.6





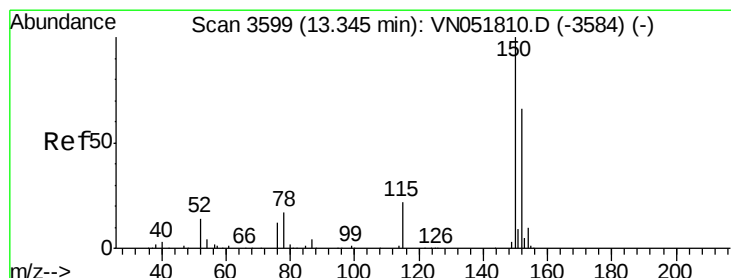
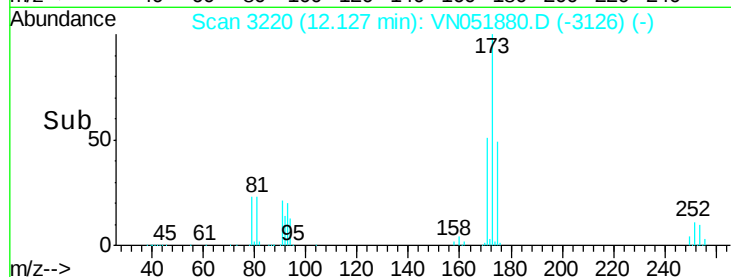
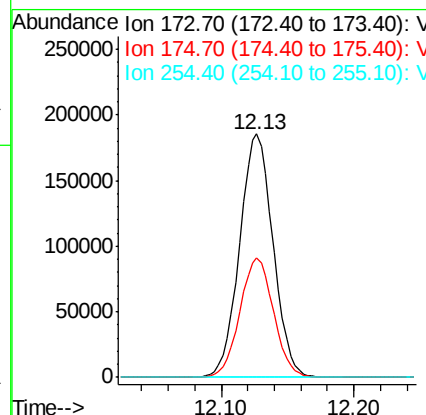
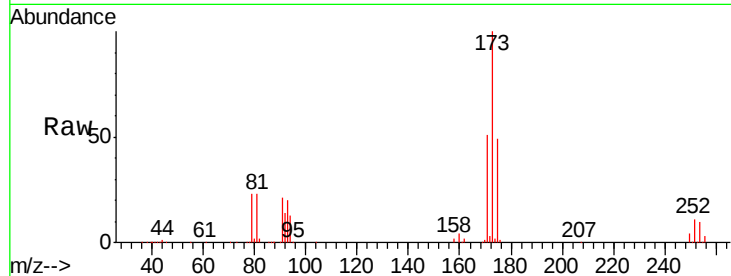
#71
Bromoform
Concen: 41.87 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.4	73.4
254	0.1	0.1	0.1

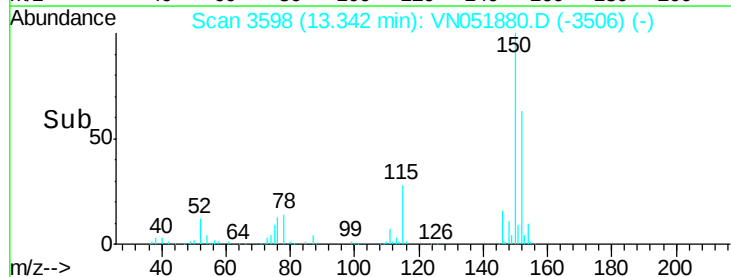
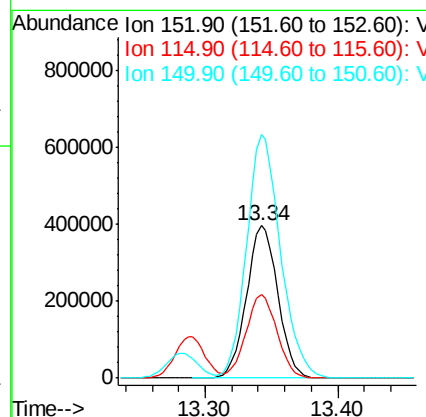
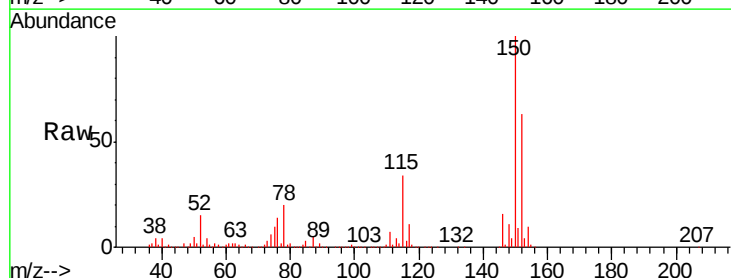
Manual Integrations
APPROVED

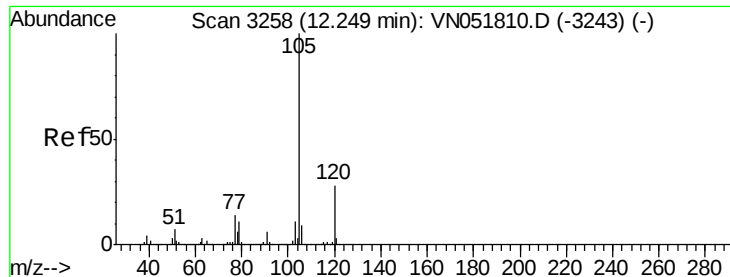
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.8	83.4
150	173.6	0.0	351.4





#73

Isopropylbenzene

Concen: 47.40 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2367885

Ion Ratio Lower Upper

105 100

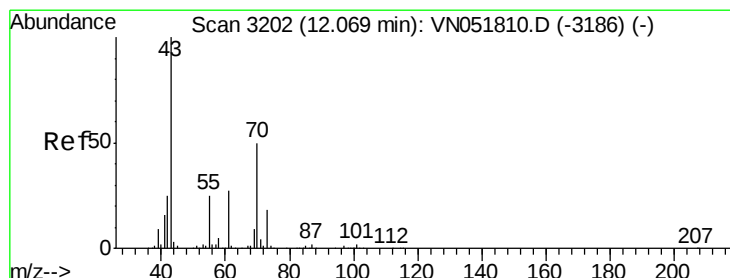
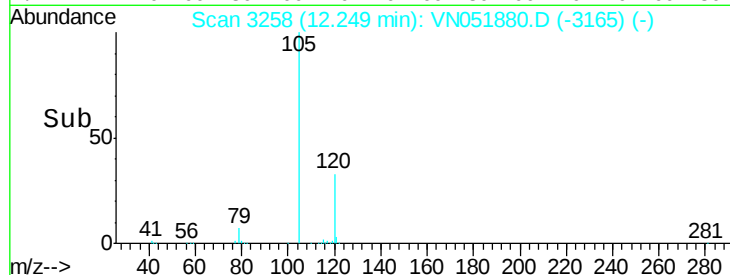
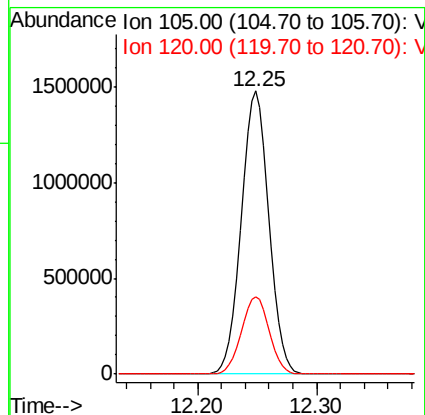
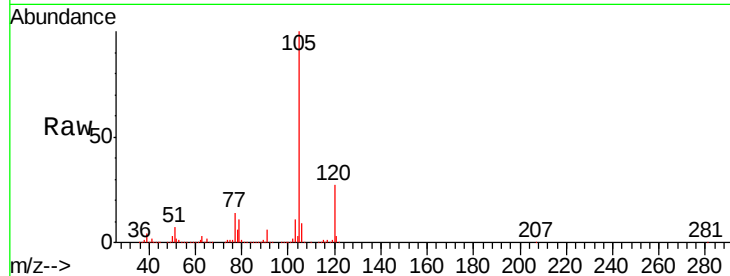
120 27.7 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 41.21 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Tgt Ion: 43 Resp: 408242

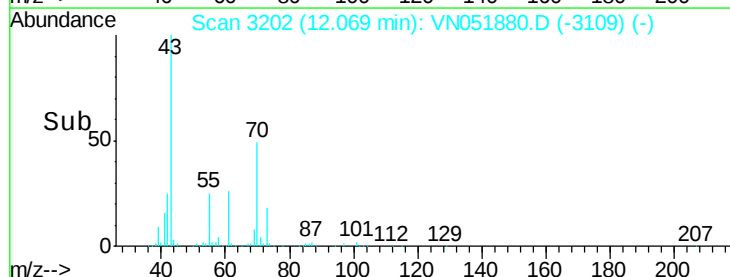
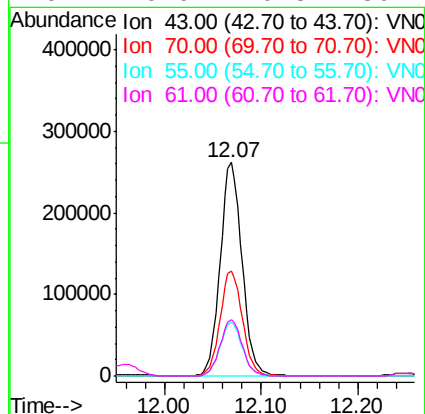
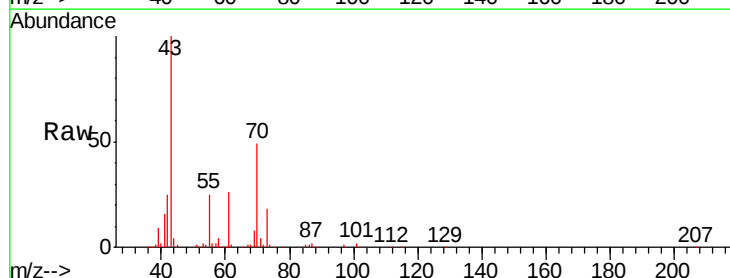
Ion Ratio Lower Upper

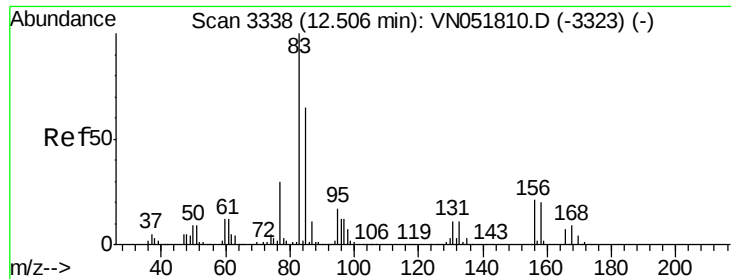
43 100

70 50.2 36.2 54.2

55 26.0 21.8 32.8

61 26.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 41.80 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 458648

Ion Ratio Lower Upper

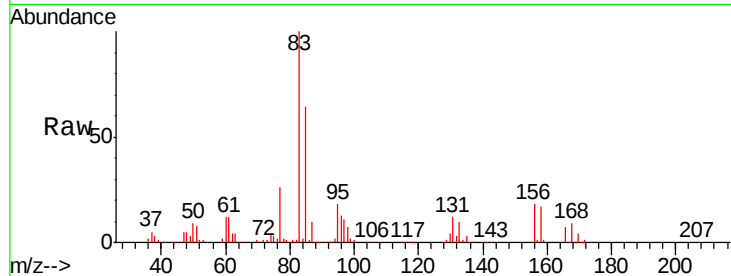
83 100

131 11.9 5.3 15.9

85 64.4 31.9 95.7

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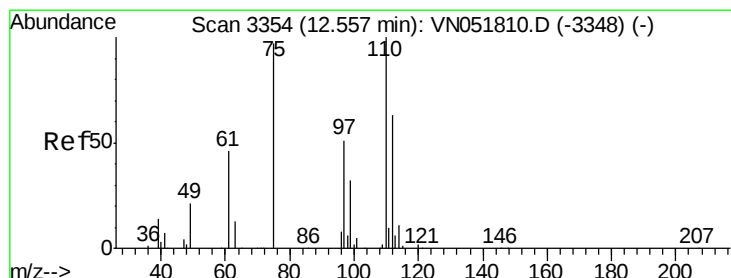
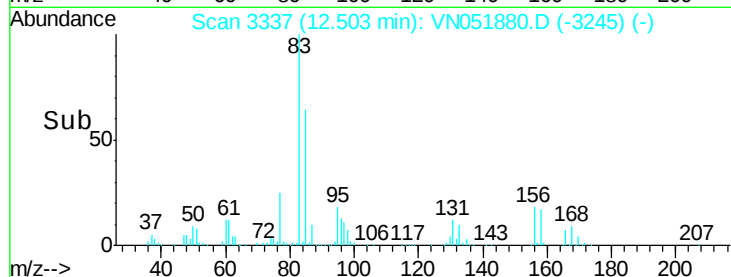
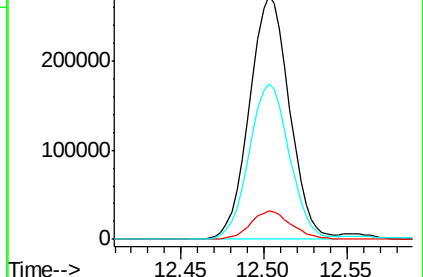
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 48.52 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051880.D

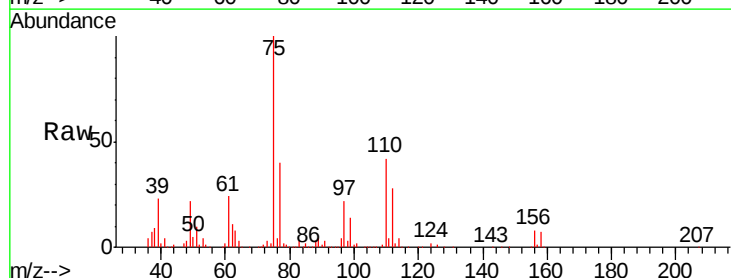
Acq: 16 Oct 2018 8:37

Tgt Ion: 75 Resp: 388165

Ion Ratio Lower Upper

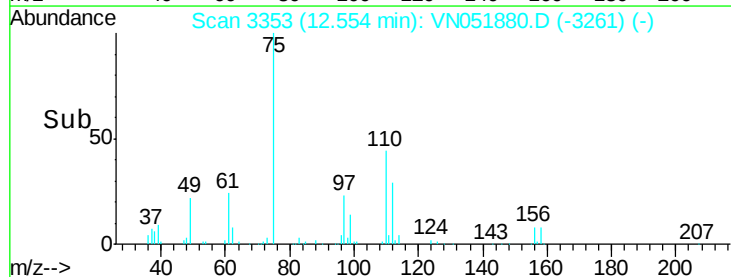
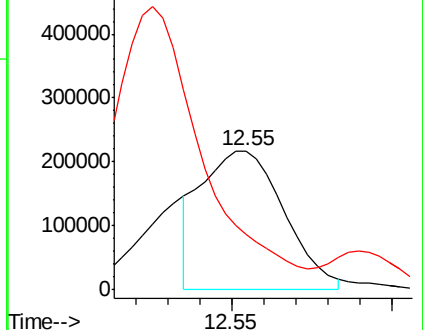
75 100

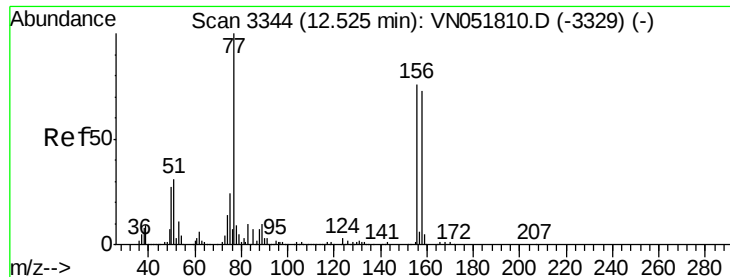
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.64 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

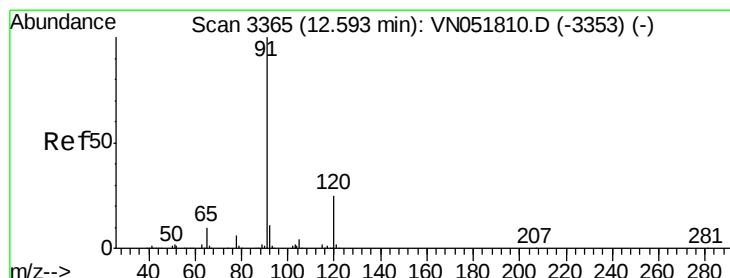
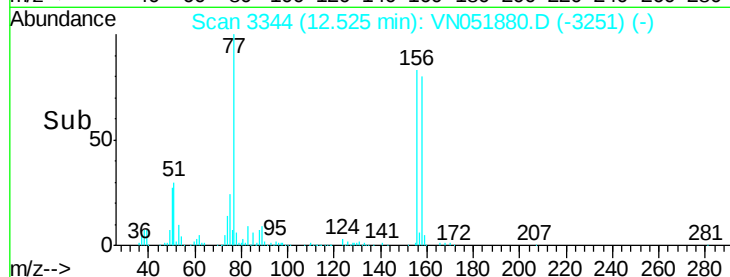
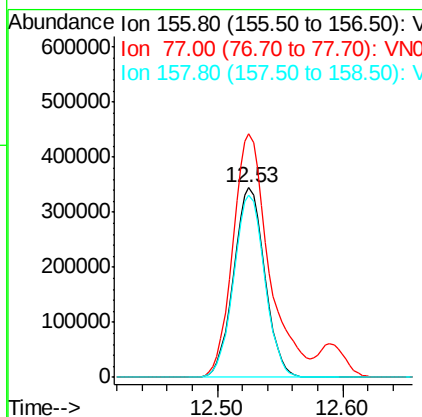
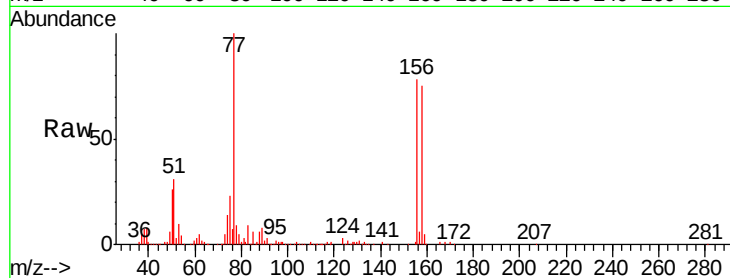
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	593335
Ion Ratio	Lower	Upper	
156	100		
77	149.0	89.9	269.7
158	96.2	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 49.37 ug/l

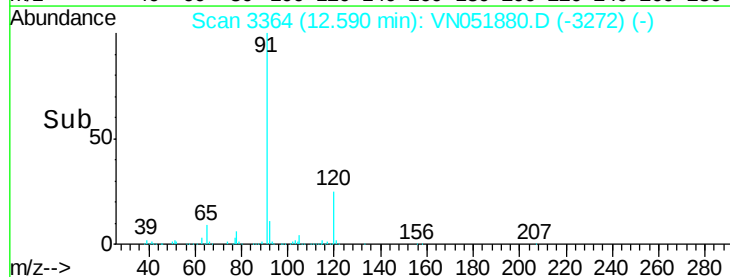
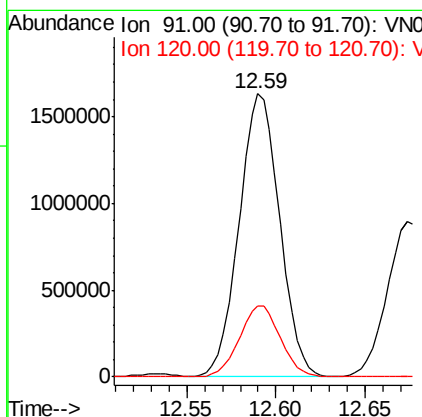
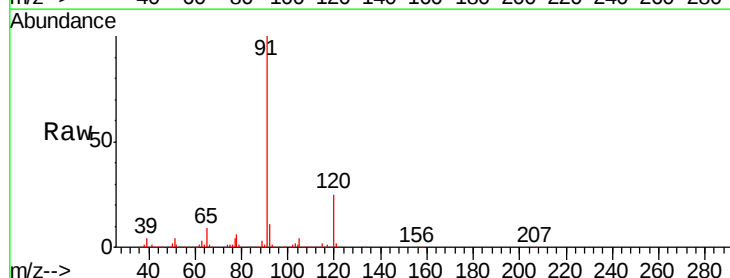
RT: 12.59 min Scan# 3364

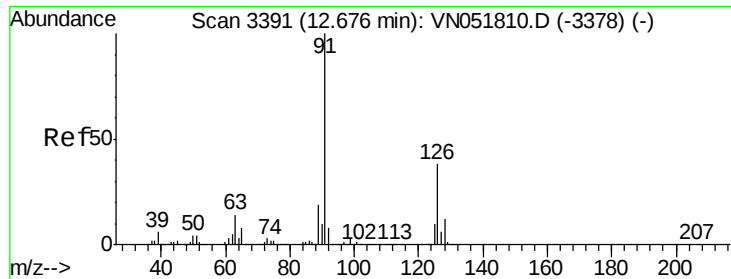
Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Tgt Ion:	91	Resp:	2582707
Ion Ratio	Lower	Upper	
91	100		
120	25.3	11.7	35.0





#79

2-Chlorotoluene

Concen: 47.07 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1483375

Ion Ratio Lower Upper

91 100

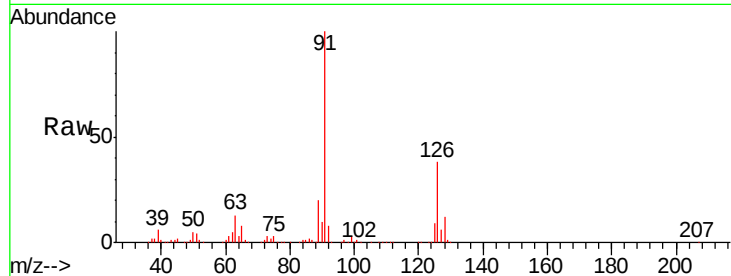
126 38.4 17.8 53.3

Manual Integrations

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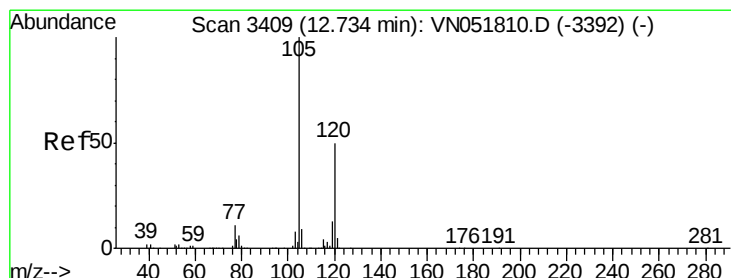
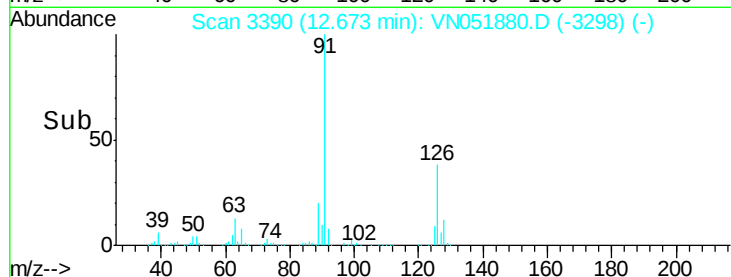
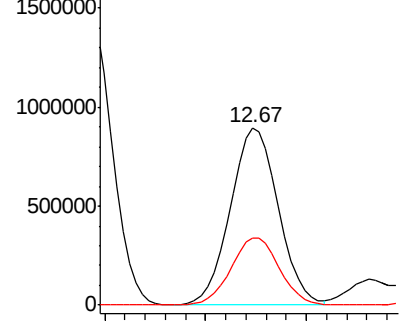
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Abundance Ion 91.00 (90.70 to 91.70): VN051810.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051810.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.76 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051880.D

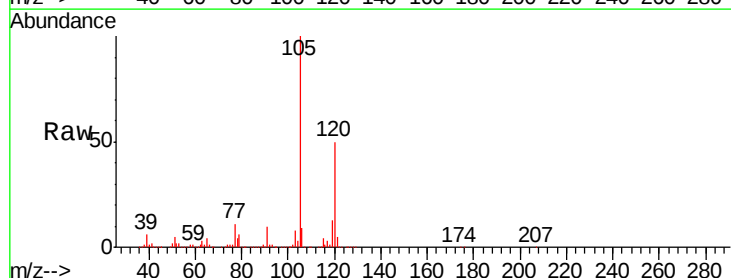
Acq: 16 Oct 2018 8:37

Tgt Ion: 105 Resp: 1984927

Ion Ratio Lower Upper

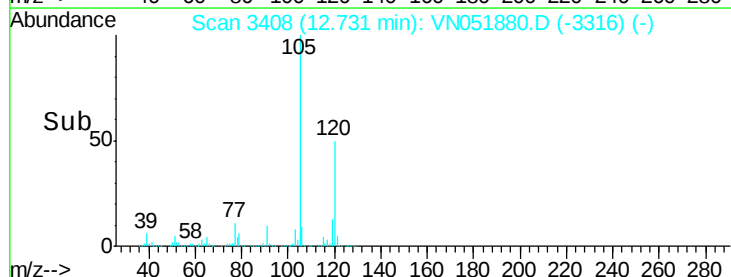
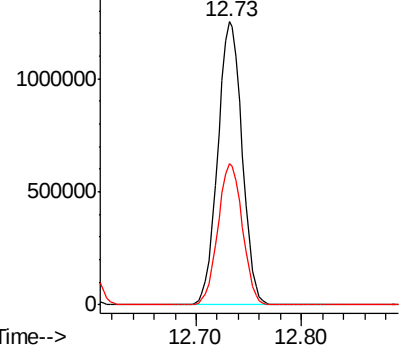
105 100

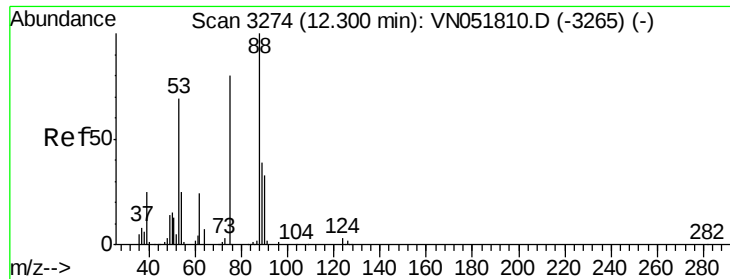
120 50.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051810.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051810.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 41.88 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

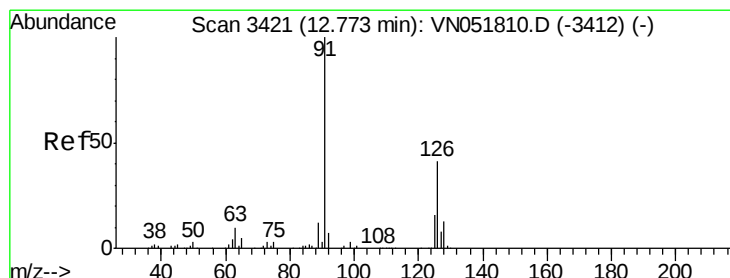
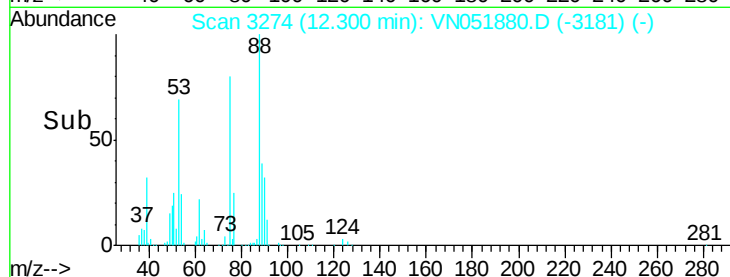
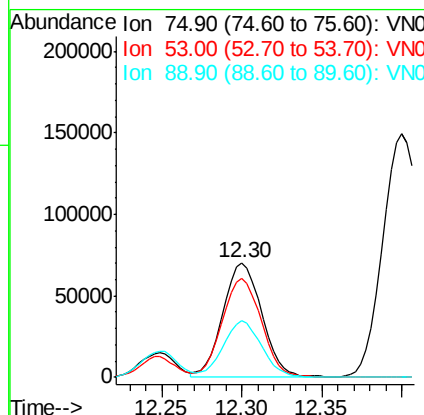
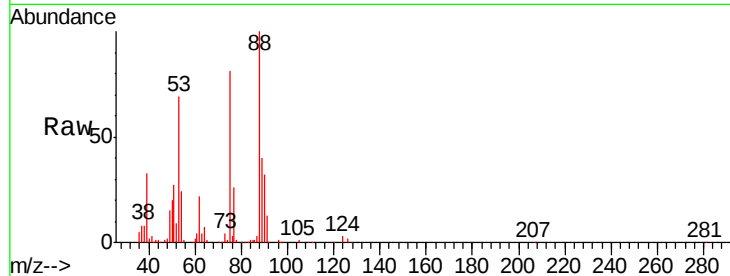
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	117892
Ion Ratio	Lower	Upper	
75	100		
53	86.2	68.9	103.3
89	48.5	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.69 ug/l

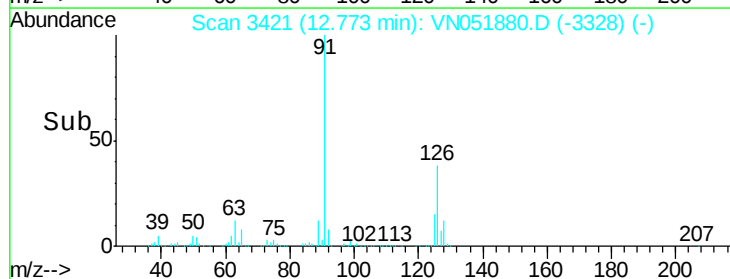
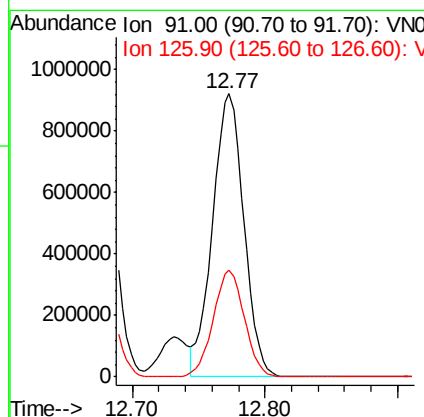
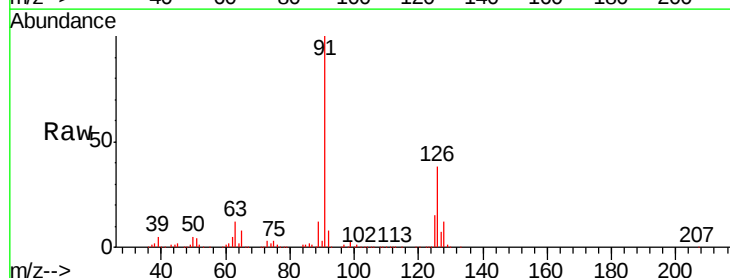
RT: 12.77 min Scan# 3421

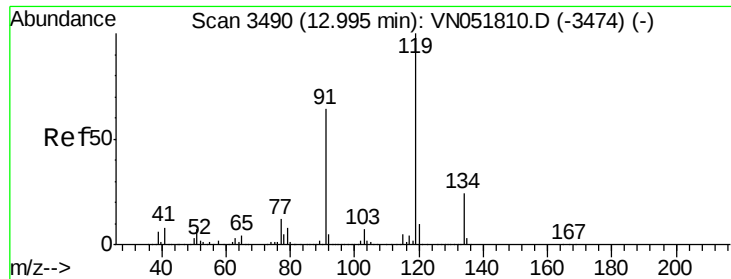
Delta R.T. 0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Tgt Ion:	91	Resp:	1504638
Ion Ratio	Lower	Upper	
91	100		
126	37.7	17.5	52.5





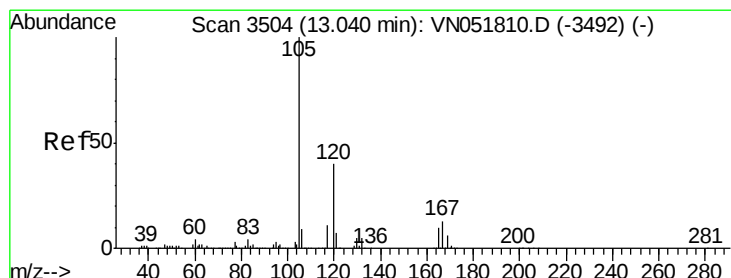
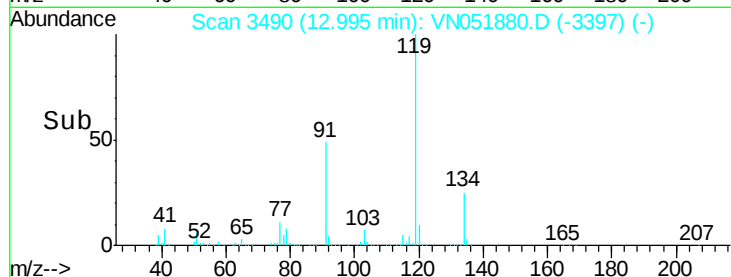
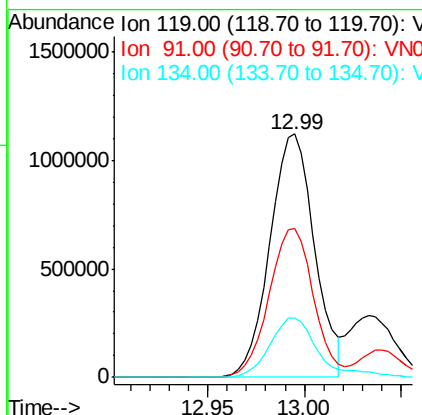
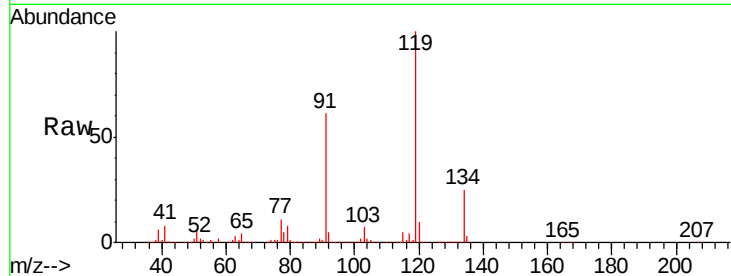
#83
 tert-Butylbenzene
 Concen: 47.65 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1798768
 Ion Ratio Lower Upper
 119 100
 91 60.9 31.6 94.7
 134 26.5 13.4 40.1

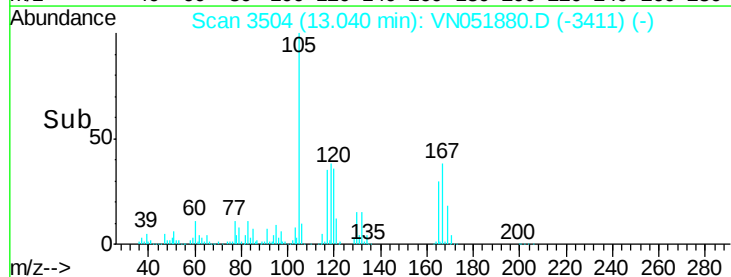
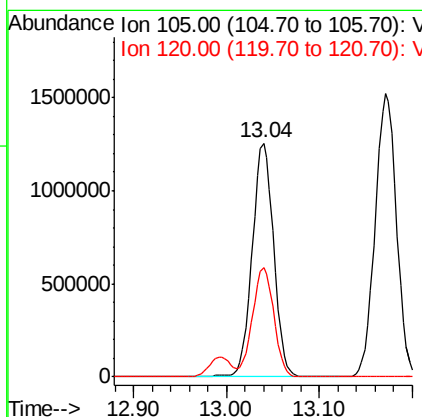
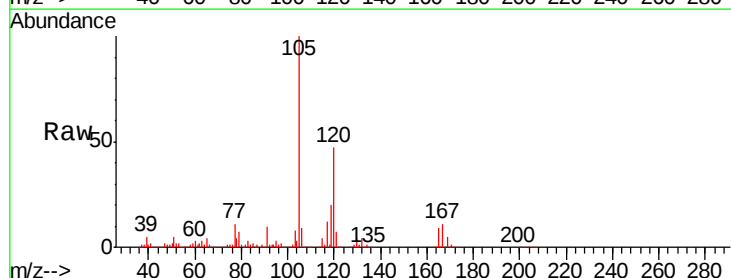
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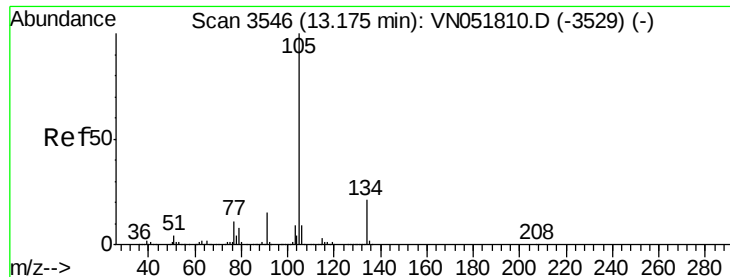
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.64 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion:105 Resp: 2011854
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 49.45 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 2418328

Ion Ratio Lower Upper

105 100

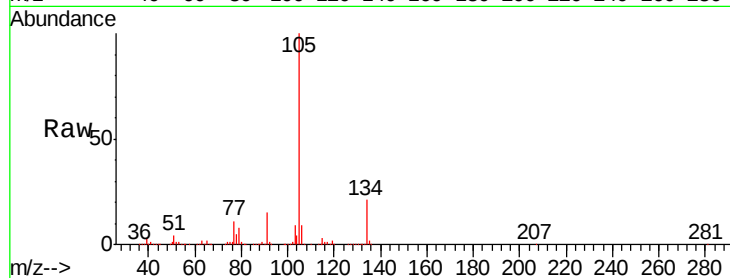
134 21.3 10.3 30.8

Manual Integrations

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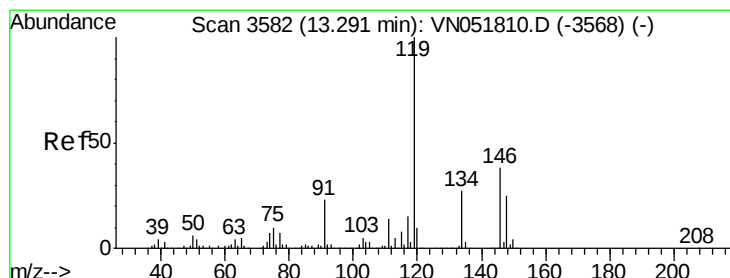
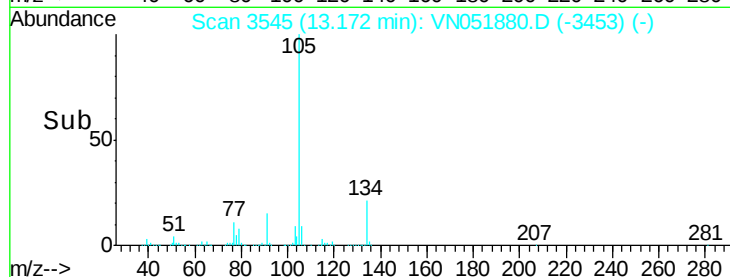
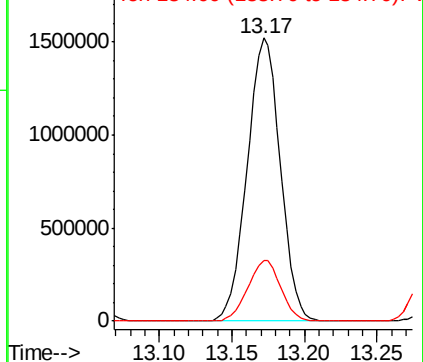
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.93 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051880.D

Acq: 16 Oct 2018 8:37

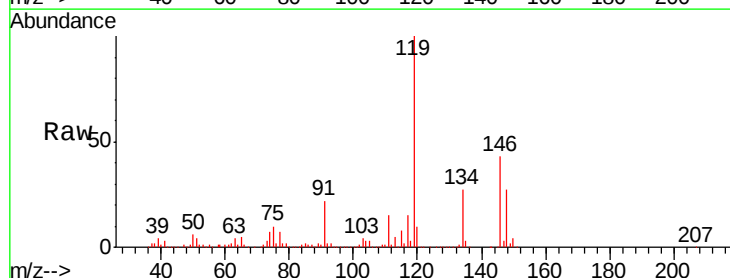
Tgt Ion:119 Resp: 2190616

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

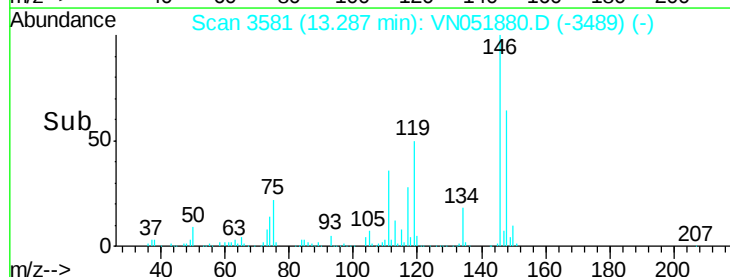
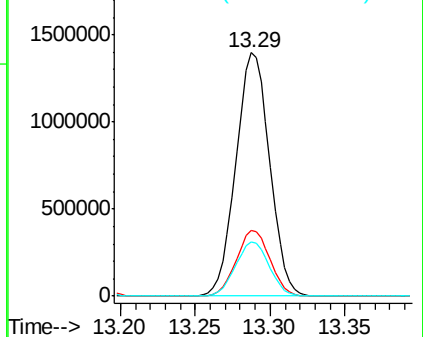
91 22.1 11.2 33.5

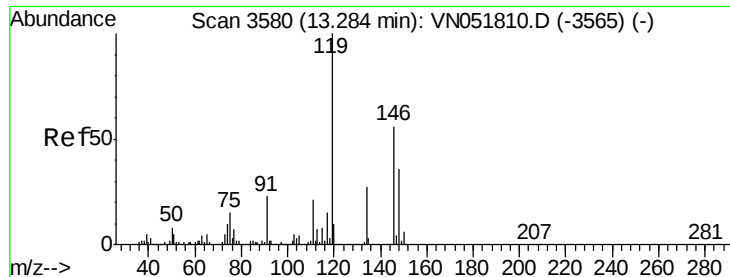


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





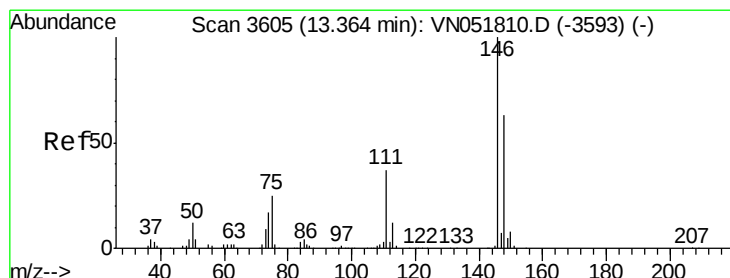
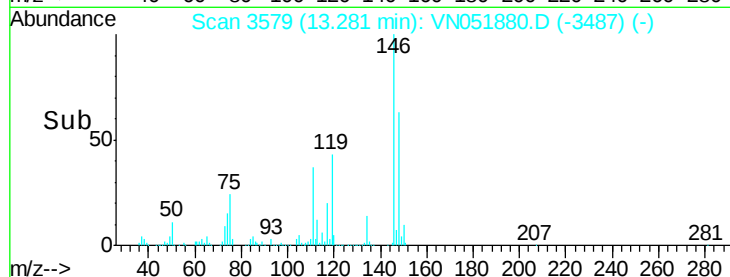
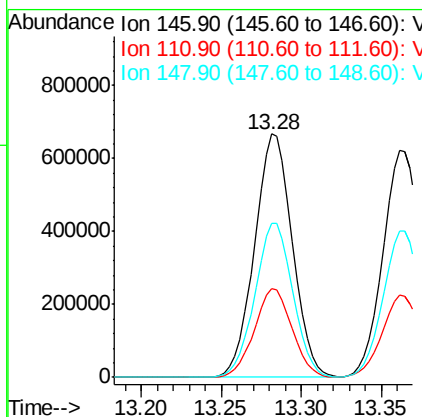
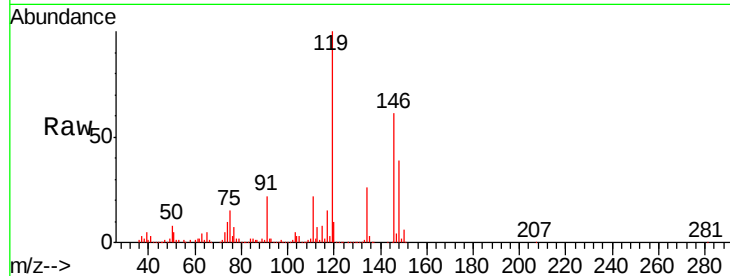
#87
 1,3-Dichlorobenzene
 Concen: 51.19 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1090380
 Ion Ratio Lower Upper
 146 100
 111 36.4 19.1 57.3
 148 63.5 32.2 96.6

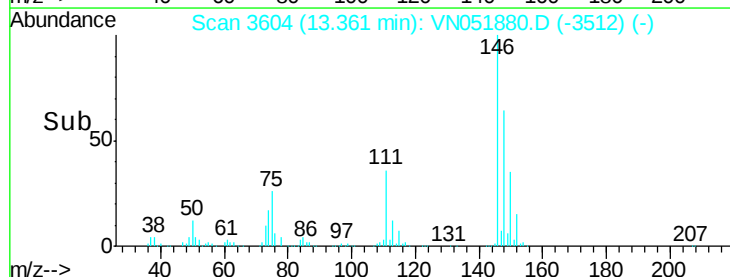
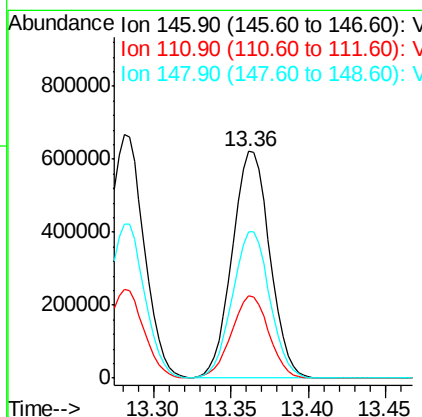
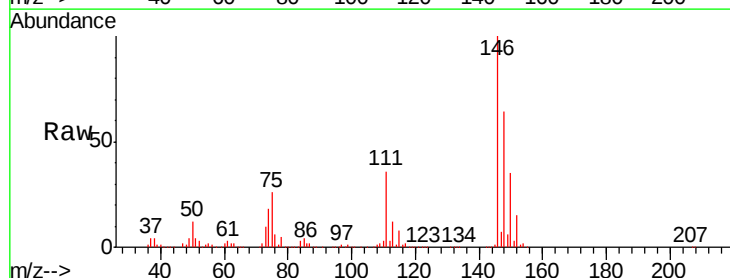
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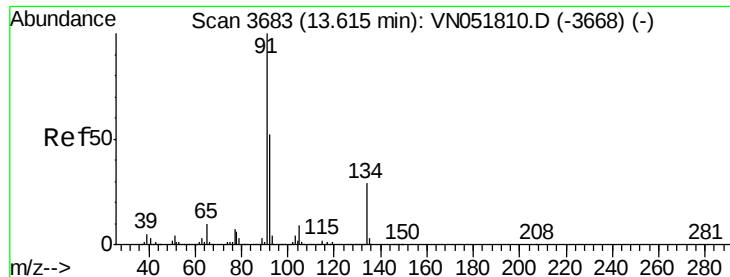
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#88
 1,4-Dichlorobenzene
 Concen: 50.80 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion:146 Resp: 1048790
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.8 56.3
 148 64.2 32.2 96.6





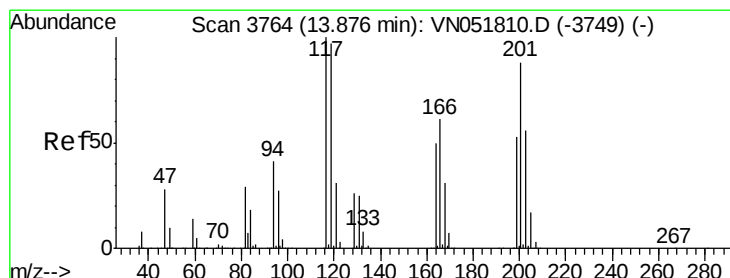
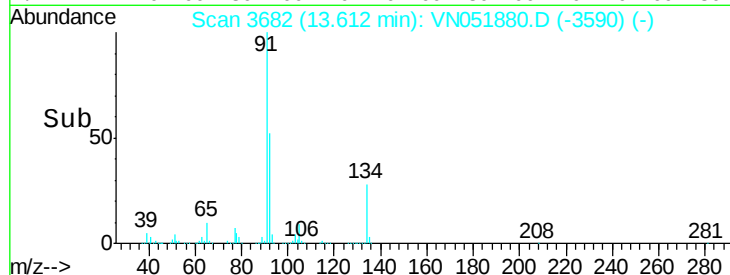
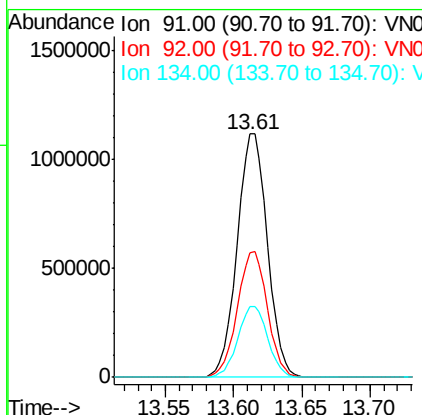
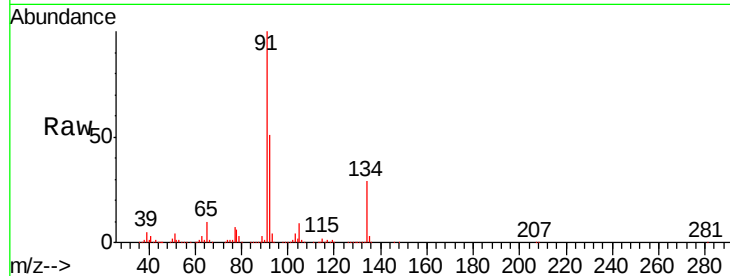
#89
n-Butylbenzene
Concen: 53.68 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1716370
Ion Ratio Lower Upper
91 100
92 51.4 26.1 78.2
134 28.9 13.2 39.6

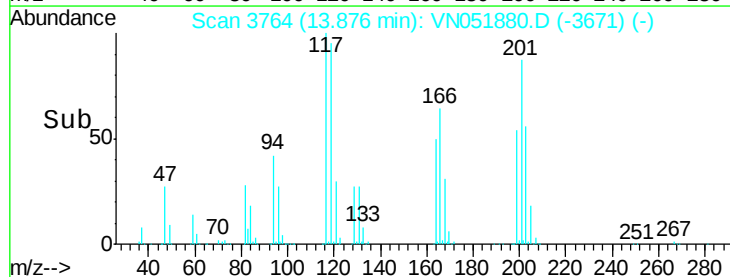
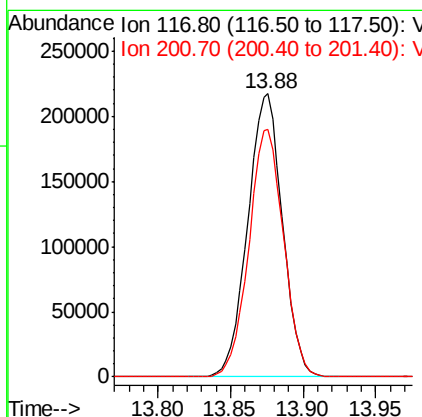
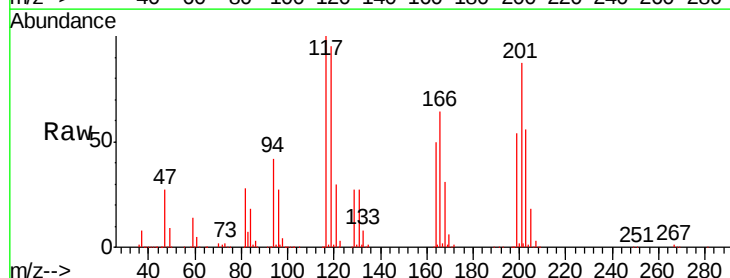
Manual Integrations
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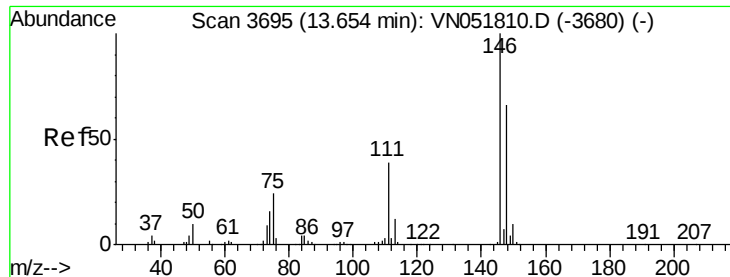
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#90
Hexachloroethane
Concen: 46.42 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion: 117 Resp: 362382
Ion Ratio Lower Upper
117 100
201 87.3 46.0 137.8





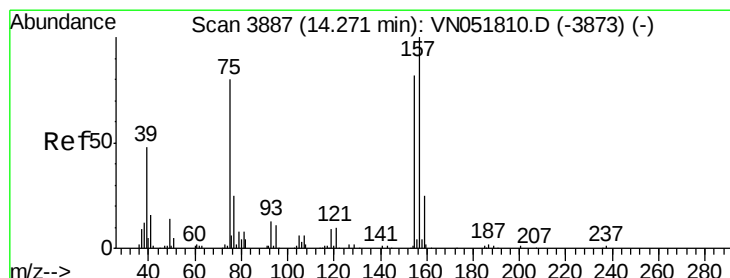
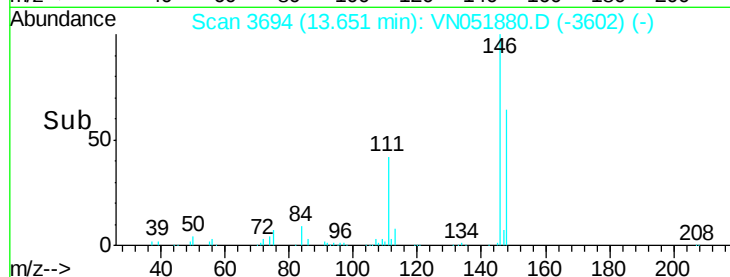
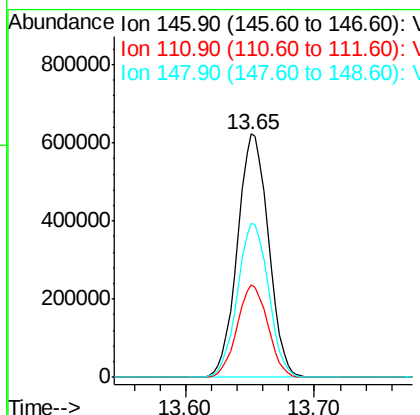
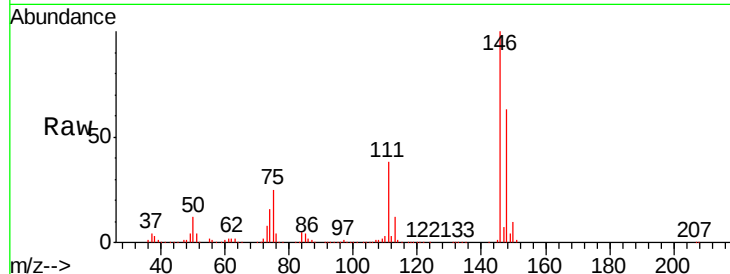
#91
 1,2-Dichlorobenzene
 Concen: 50.69 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 1043349
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.8 59.3
 148 63.4 32.3 96.8

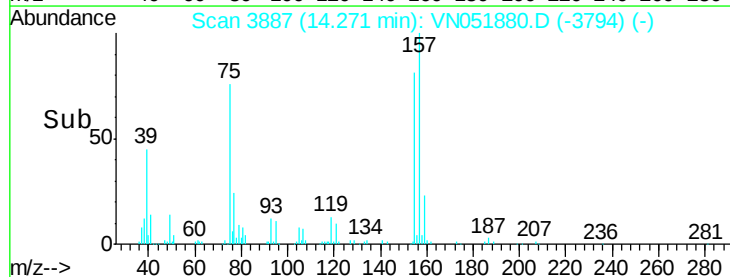
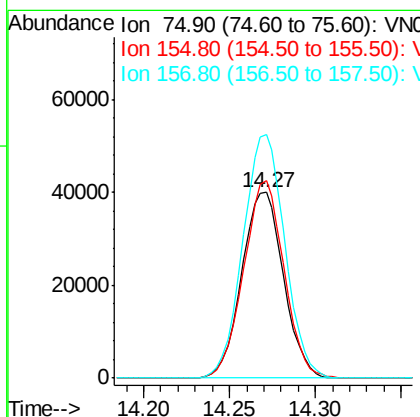
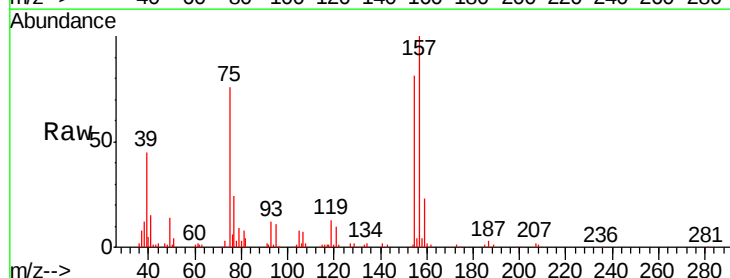
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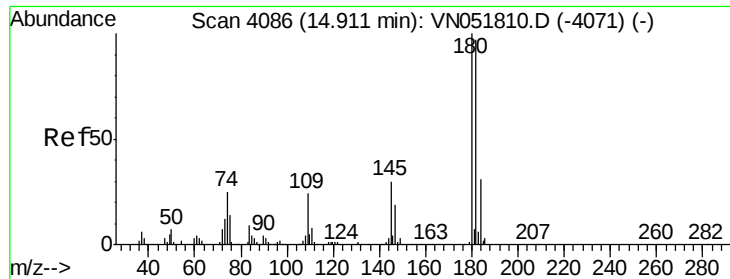
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.77 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion: 75 Resp: 67473
 Ion Ratio Lower Upper
 75 100
 155 102.8 46.4 139.1
 157 131.1 60.7 182.0





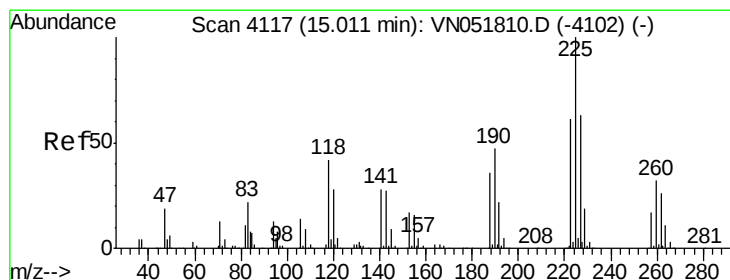
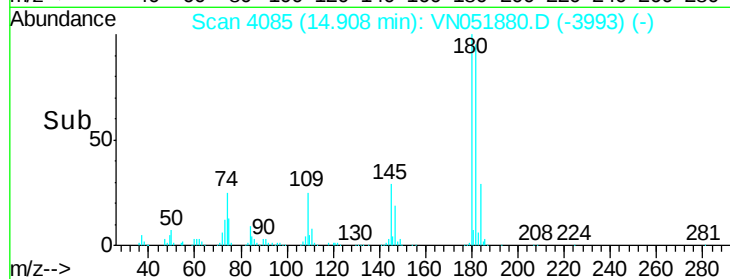
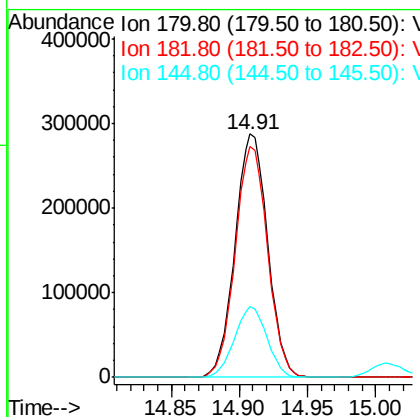
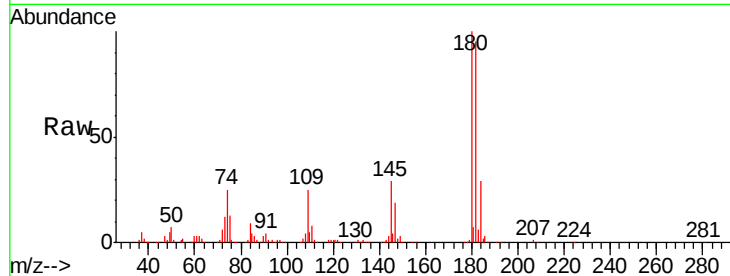
#93
 1,2,4-Trichlorobenzene
 Concen: 44.34 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	477335		
182	93.9	48.2	144.6	
145	29.0	14.1	42.2	

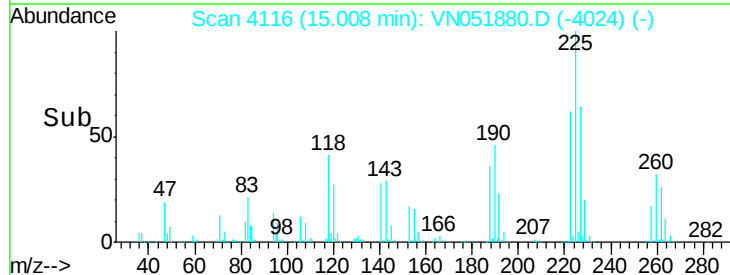
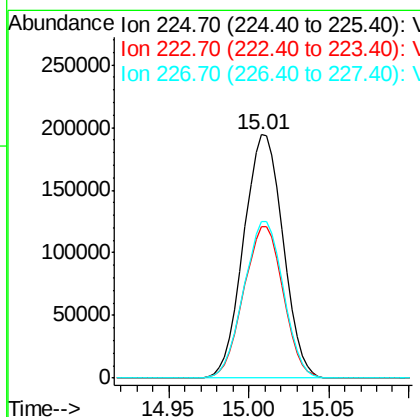
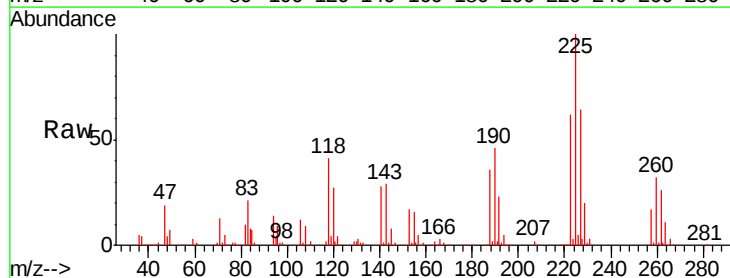
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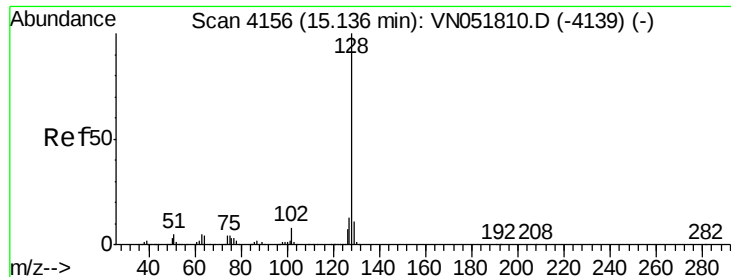
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#94
 Hexachlorobutadiene
 Concen: 49.32 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051880.D
 Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	328200		
223	62.4	31.3	93.8	
227	64.6	32.0	96.2	





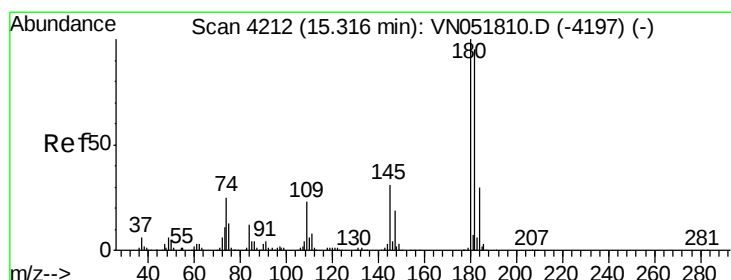
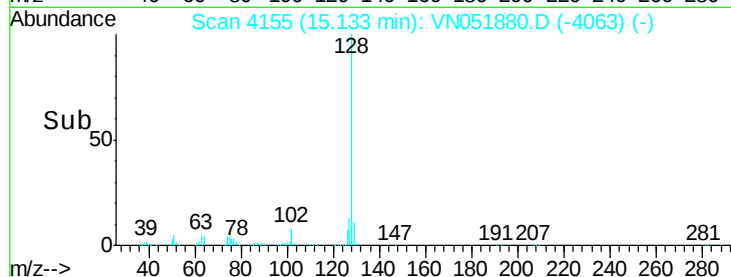
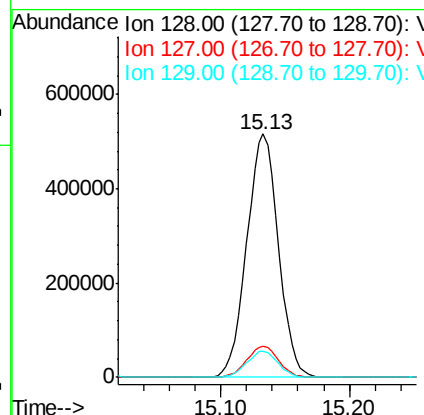
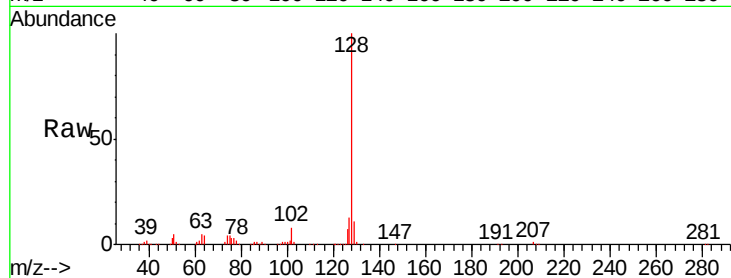
#95
Naphthalene
Concen: 38.02 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	880336		
127	12.9	10.5	15.7	
129	10.7	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 43.64 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051880.D
Acq: 16 Oct 2018 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	456452		
182	95.7	48.0	144.2	
145	31.6	15.2	45.6	

