

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101118\
 Data File : VN051817.D
 Acq On : 11 Oct 2018 17:30
 Operator : MD\SY
 Sample : VN1011WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 3:00:14 PM

Quant Time: Oct 12 06:53:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 13:17:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	867690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1262725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1166675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	559590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	410983	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	7.59	113	381255	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.09	98	1456362	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	492922	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	94841	19.69	ug/l	98
3) Chloromethane	2.06	50	115287	19.76	ug/l	99
4) Vinyl Chloride	2.18	62	175423	20.05	ug/l	97
5) Bromomethane	2.56	94	153075	19.39	ug/l	98
6) Chloroethane	2.70	64	128872	20.06	ug/l	95
7) Trichlorofluoromethane	3.00	101	271280	20.88	ug/l	97
8) Diethyl Ether	3.41	74	73673	20.56	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133807	19.31	ug/l	99
10) Methyl Iodide	3.95	142	155707	17.05	ug/l	96
11) Tert butyl alcohol	4.80	59	60986	99.99	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	120806	19.40	ug/l	91
13) Acrolein	3.61	56	61060	107.37	ug/l	99
14) Allyl chloride	4.32	41	150611	19.26	ug/l #	78
15) Acrylonitrile	5.00	53	196787	99.12	ug/l	97
16) Acetone	3.82	43	159745	89.31	ug/l	99
17) Carbon Disulfide	4.05	76	299859	17.79	ug/l	99
18) Methyl Acetate	4.33	43	95928	18.78	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	382194	19.49	ug/l	93
20) Methylene Chloride	4.55	84	140705	19.01	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	137700	18.83	ug/l	88
22) Diisopropyl ether	5.96	45	338214	19.57	ug/l #	88
23) Vinyl Acetate	5.90	43	1256977	99.43	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	229604	19.34	ug/l	96
25) 2-Butanone	6.84	43	241066	95.38	ug/l #	88
26) 2,2-Dichloropropane	6.83	77	230588	19.18	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	162086	19.23	ug/l	91
28) Bromochloromethane	7.20	49	98763	19.83	ug/l #	69
29) Tetrahydrofuran	7.22	42	152644	101.34	ug/l #	82
30) Chloroform	7.37	83	272646	19.21	ug/l	98
31) Cyclohexane	7.66	56	206912	19.68	ug/l #	81
32) 1,1,1-Trichloroethane	7.57	97	257656	19.34	ug/l	96
36) 1,1-Dichloropropene	7.79	75	191123	18.70	ug/l	95
37) Ethyl Acetate	6.93	43	108294	20.63	ug/l	96
38) Carbon Tetrachloride	7.78	117	226394	19.11	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	248424	19.78	ug/l	90
40) Benzene	8.04	78	582770	19.76	ug/l	99
41) Methacrylonitrile	7.18	41	45032	17.80	ug/l #	76
42) 1,2-Dichloroethane	8.13	62	189219	19.57	ug/l	99
43) Isopropyl Acetate	8.17	43	209305	19.77	ug/l #	96
44) Trichloroethene	8.84	130	173518	19.33	ug/l	99
45) 1,2-Dichloropropane	9.12	63	137850	19.88	ug/l	99
46) Dibromomethane	9.21	93	105450	19.82	ug/l	99
47) Bromodichloromethane	9.41	83	211700	19.91	ug/l	96
48) Methyl methacrylate	9.20	41	97822	20.92	ug/l #	82
49) 1,4-Dioxane	9.20	88	33969	401.39	ug/l	88
51) 4-Methyl-2-Pentanone	9.99	43	569662	104.56	ug/l	98
52) Toluene	10.16	92	391771	19.78	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	202692	19.03	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	225213	19.26	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	149057	20.01	ug/l	95
56) Ethyl methacrylate	10.43	69	181724	20.72	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	226548	19.58	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	378108	98.99	ug/l #	89
59) 2-Hexanone	10.75	43	384594	100.50	ug/l	97
60) Dibromochloromethane	10.90	129	166332	18.81	ug/l	97
61) 1,2-Dibromoethane	11.01	107	153098	19.96	ug/l	99
64) Tetrachloroethene	10.63	164	170753	19.08	ug/l	99
65) Chlorobenzene	11.44	112	449526	19.05	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	170105	18.92	ug/l	99
67) Ethyl Benzene	11.51	91	759319	19.44	ug/l	97
68) m/p-Xylenes	11.62	106	599490	38.00	ug/l	98
69) o-Xylene	11.95	106	301774	19.69	ug/l	96
70) Styrene	11.97	104	458989	19.42	ug/l	100
71) Bromoform	12.13	173	109790	17.97	ug/l #	100
73) Isopropylbenzene	12.25	105	801590	18.59	ug/l	99
74) N-amyl acetate	12.07	43	186764	21.84	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	181495	19.16	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	150013m	21.47	ug/l	
77) Bromobenzene	12.53	156	198761	18.49	ug/l	90
78) n-propylbenzene	12.59	91	866957	19.20	ug/l	97
79) 2-Chlorotoluene	12.68	91	504133	18.53	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	666110	18.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43460	17.88	ug/l	93
82) 4-Chlorotoluene	12.77	91	502297	19.22	ug/l	98
83) tert-Butylbenzene	12.99	119	603923	18.53	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	671197	19.19	ug/l	99
85) sec-Butylbenzene	13.17	105	805801	19.09	ug/l	98
86) p-Isopropyltoluene	13.29	119	729377	19.65	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	348749	18.97	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	337193	18.92	ug/l	98
89) n-Butylbenzene	13.62	91	577224	20.91	ug/l	98
90) Hexachloroethane	13.88	117	112396	16.68	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	346428	19.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28489	20.43	ug/l	88

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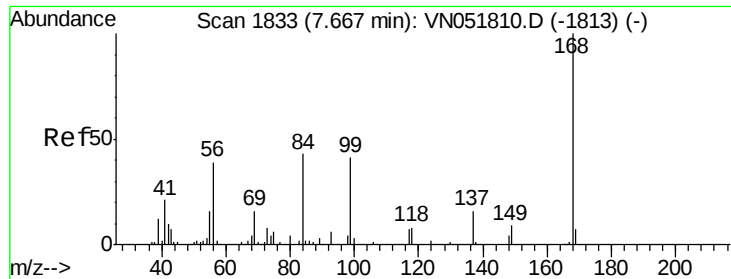
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186646	22.09	ug/l	97
94) Hexachlorobutadiene	15.01	225	112409	19.57	ug/l	99
95) Naphthalene	15.13	128	432171	23.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	189795	22.50	ug/l	98

(#) = 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: VN051817.D

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Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 168 Resp: 867690

Ion Ratio Lower Upper

168 100

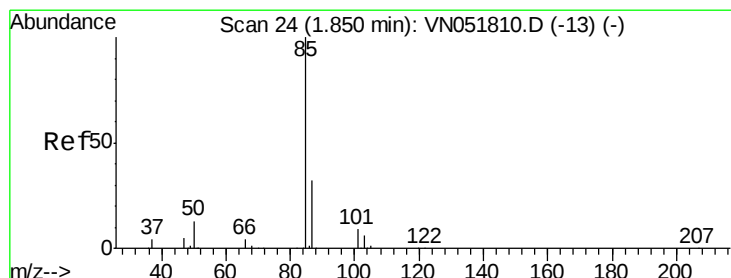
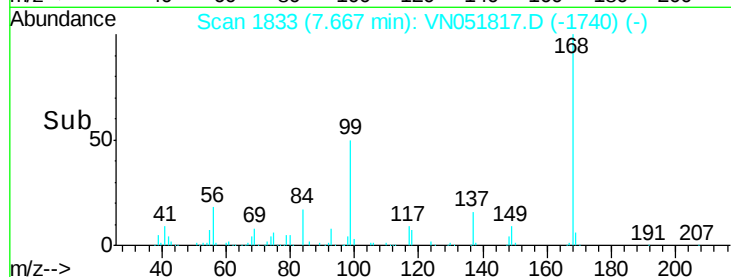
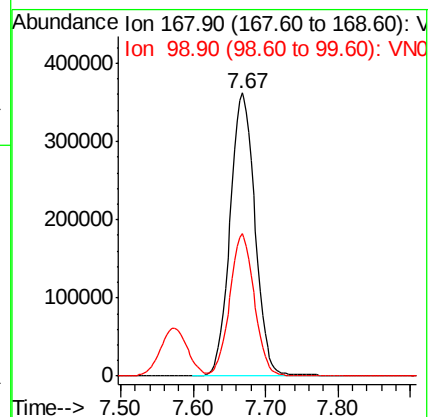
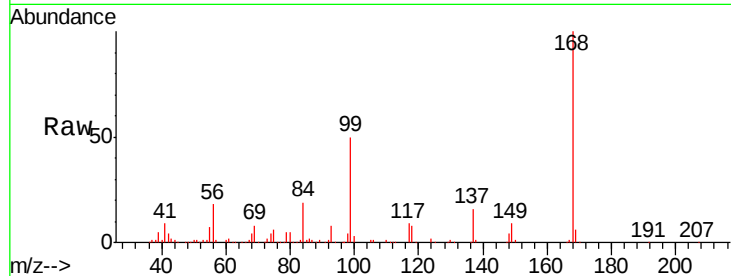
99 50.2 39.6 59.4

Manual Integrations

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10/15/2018 3:00:14 PM



#2

Dichlorodifluoromethane

Concen: 19.69 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051817.D

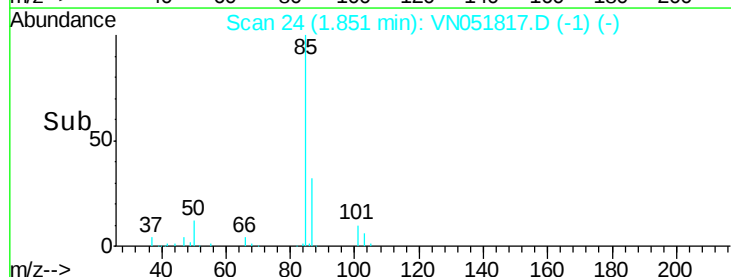
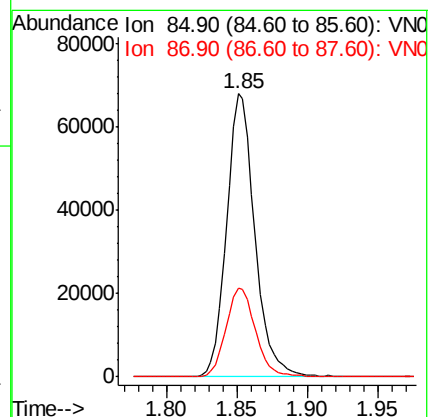
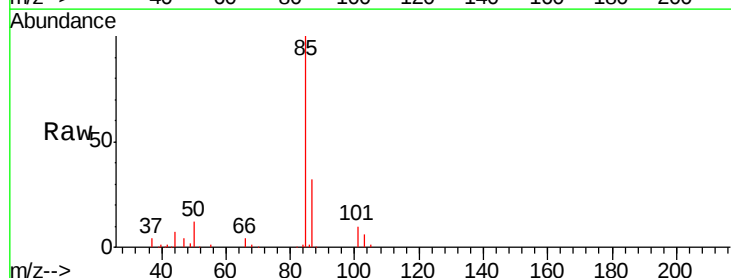
Acq: 11 Oct 2018 17:30

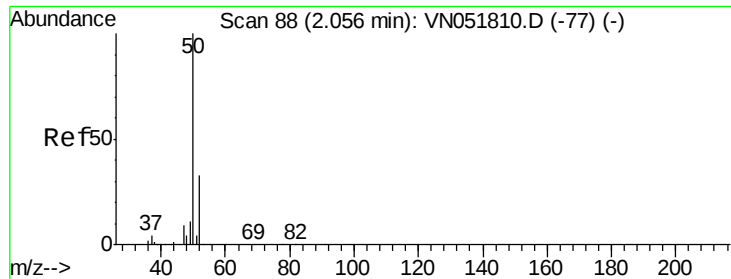
Tgt Ion: 85 Resp: 94841

Ion Ratio Lower Upper

85 100

87 31.5 16.4 49.1





#3

Chloromethane

Concen: 19.76 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 50 Resp: 115287

Ion Ratio Lower Upper

50 100

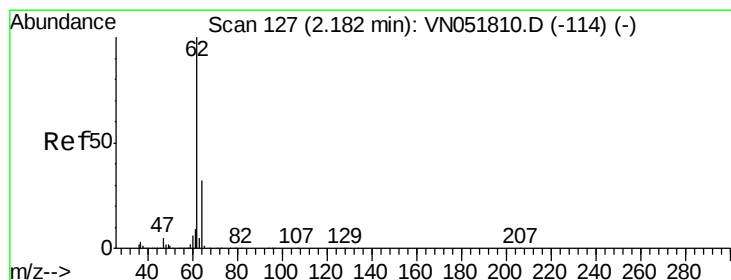
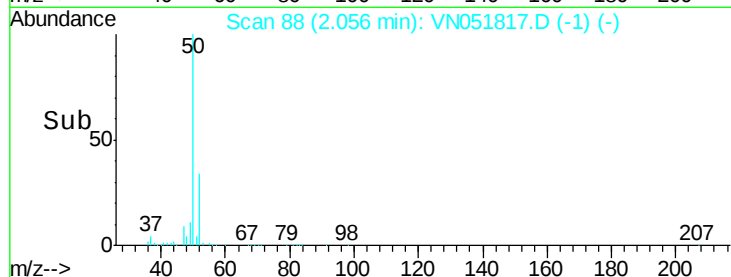
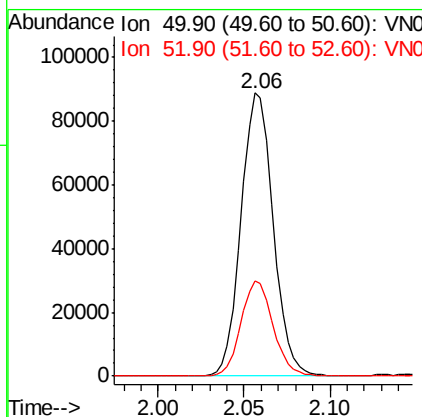
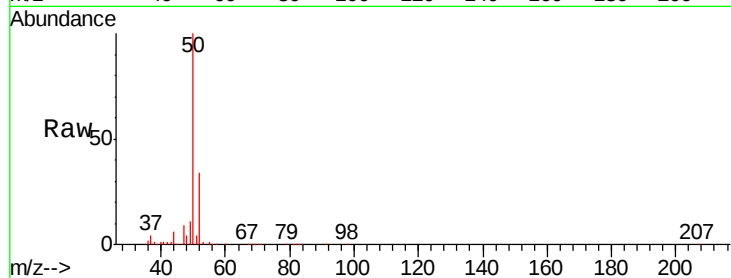
52 33.6 26.3 39.5

Manual Integrations

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10/15/2018 3:00:14 PM



#4

Vinyl Chloride

Concen: 20.05 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051817.D

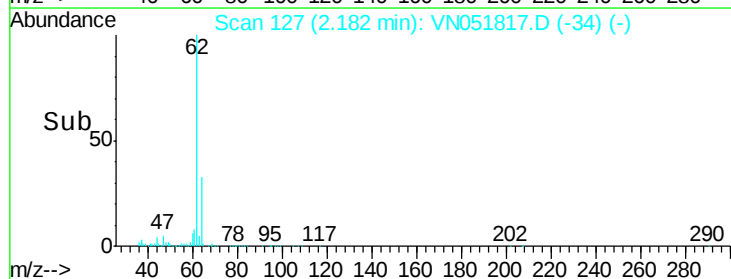
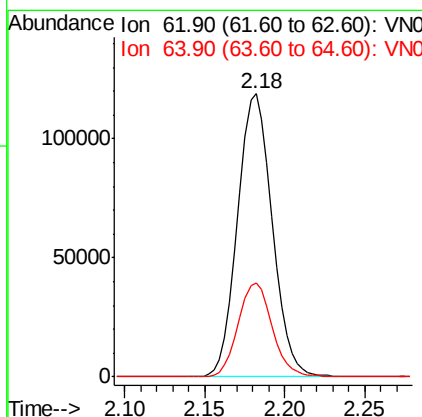
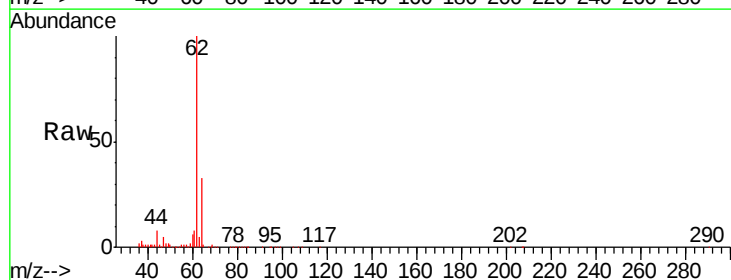
Acq: 11 Oct 2018 17:30

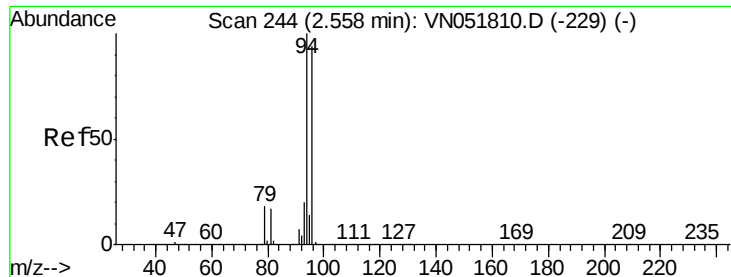
Tgt Ion: 62 Resp: 175423

Ion Ratio Lower Upper

62 100

64 33.3 25.4 38.2





#5

Bromomethane

Concen: 19.39 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 94 Resp: 153075

Ion Ratio Lower Upper

94 100

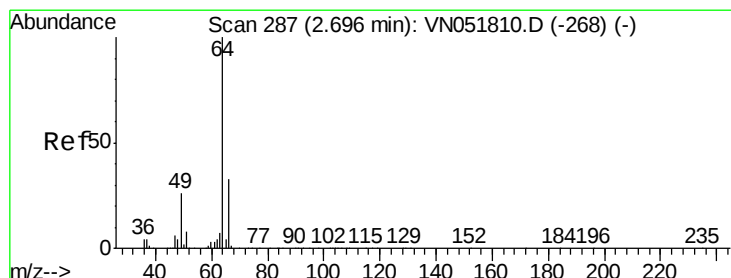
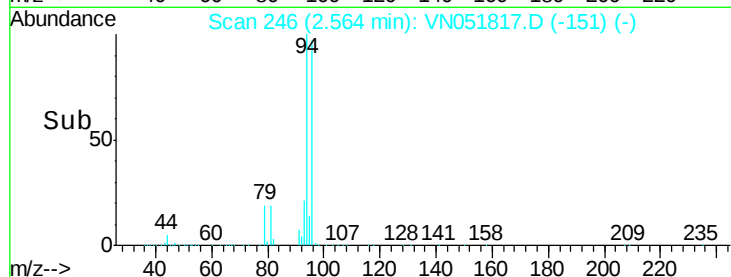
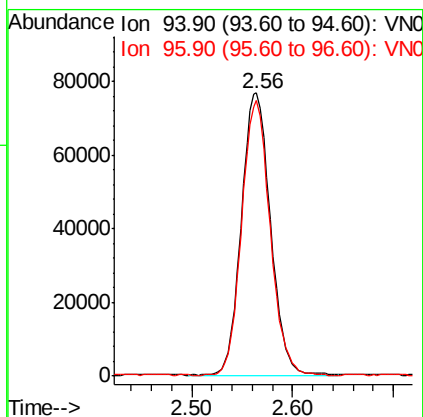
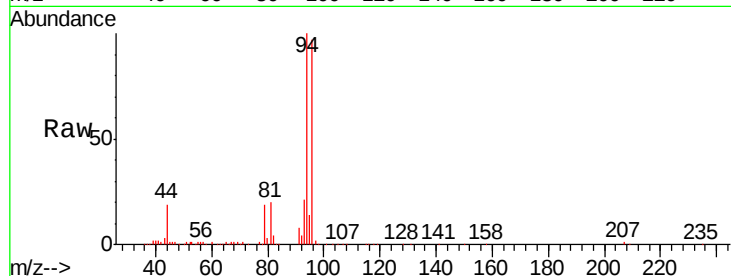
96 97.4 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 20.06 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051817.D

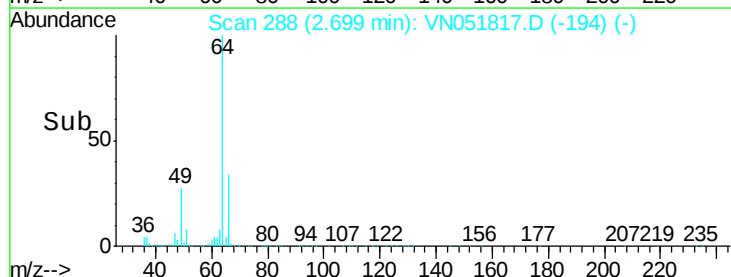
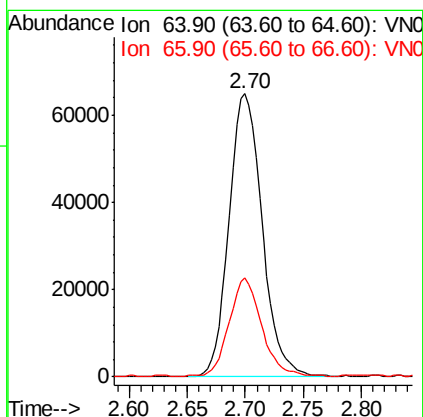
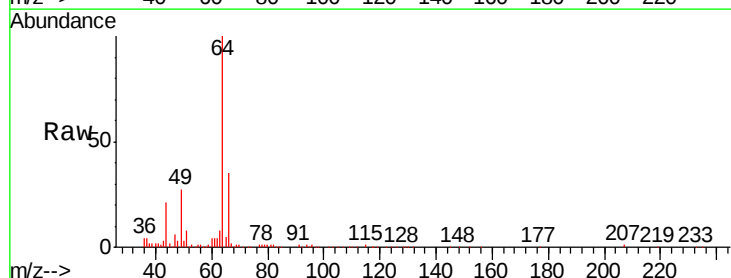
Acq: 11 Oct 2018 17:30

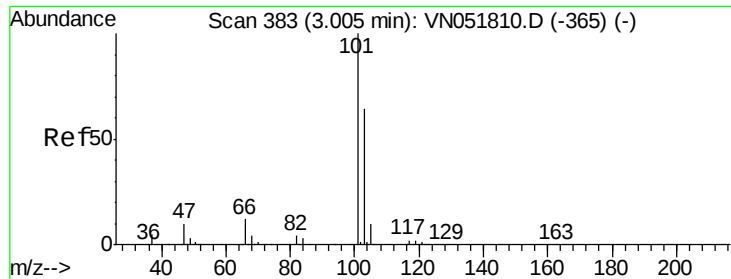
Tgt Ion: 64 Resp: 128872

Ion Ratio Lower Upper

64 100

66 34.4 25.3 37.9





#7

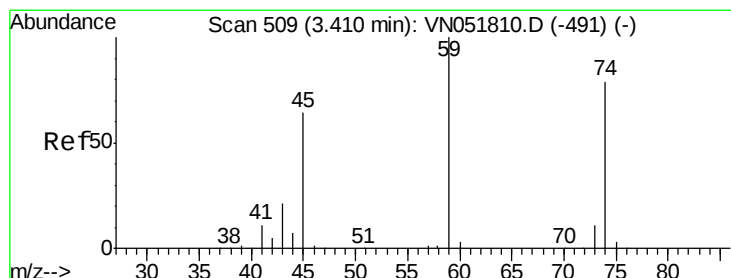
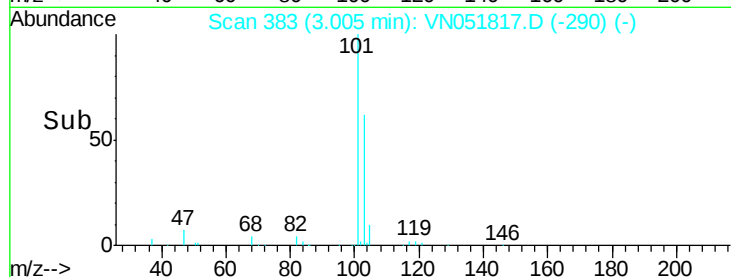
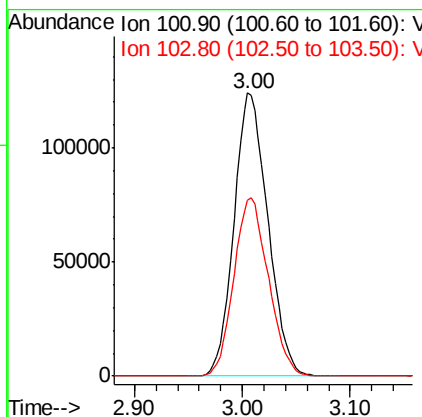
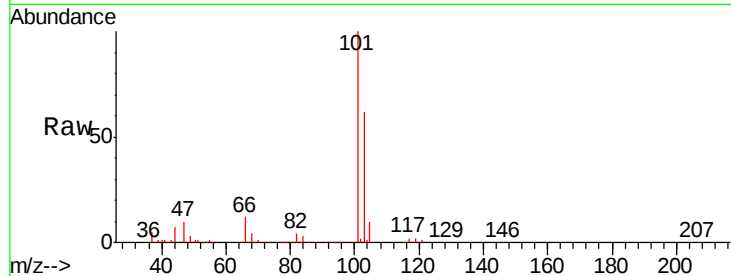
Trichlorofluoromethane
Concen: 20.88 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

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ClientSampleId :
VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.6	77.4

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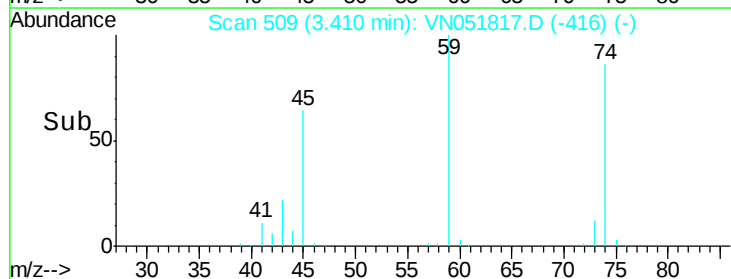
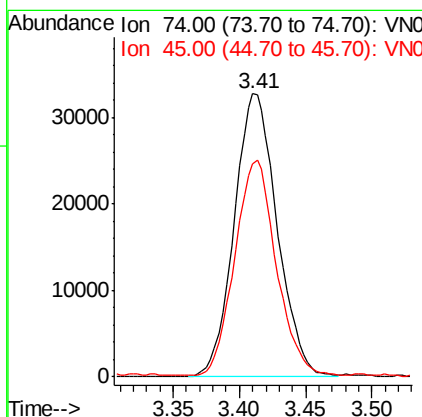
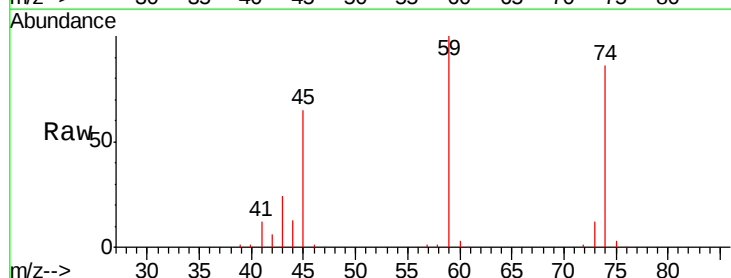
MMDadoda
10/15/2018 3:00:14 PM

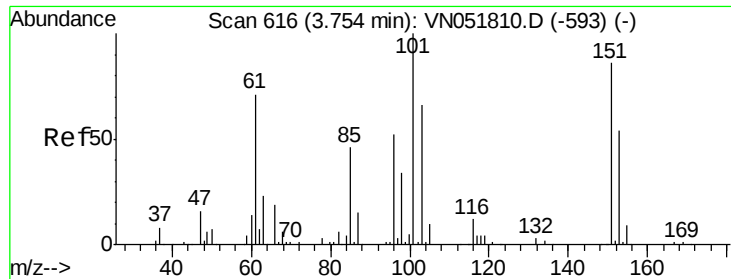


#8

Diethyl Ether
Concen: 20.56 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.2	48.2	144.6





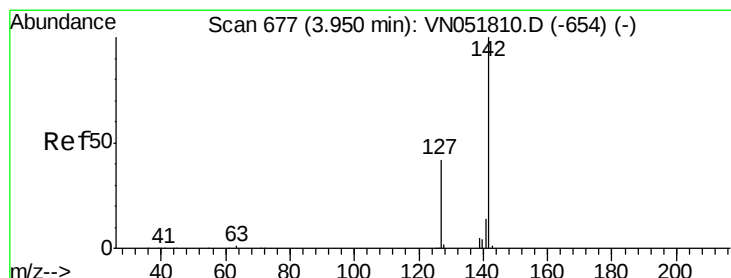
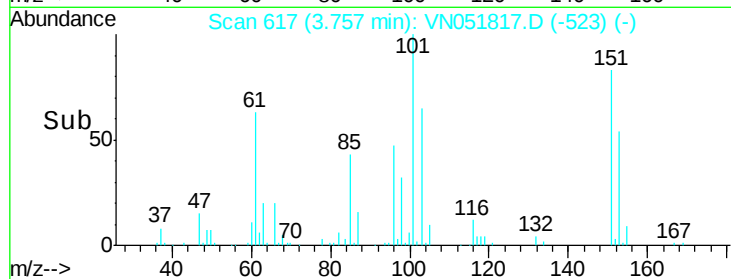
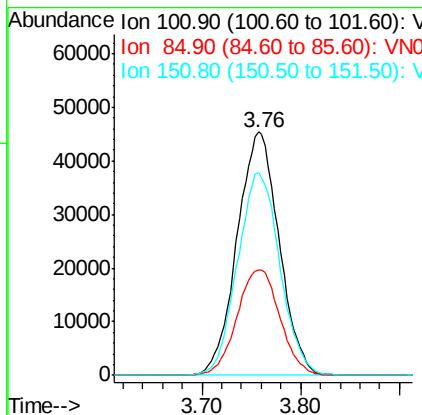
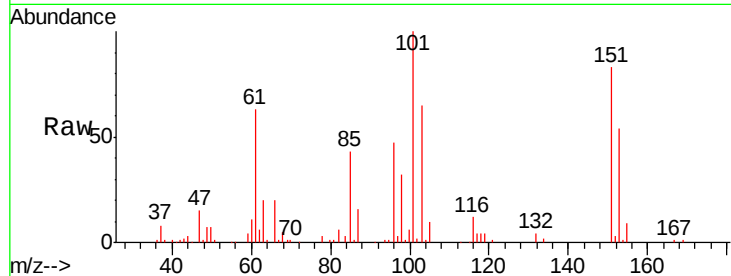
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.31 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051817.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.3	33.7	50.5
151	84.1	67.4	101.2

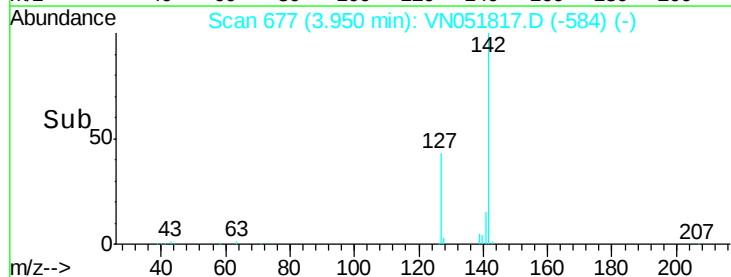
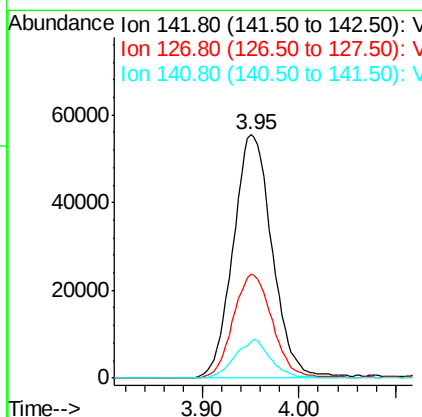
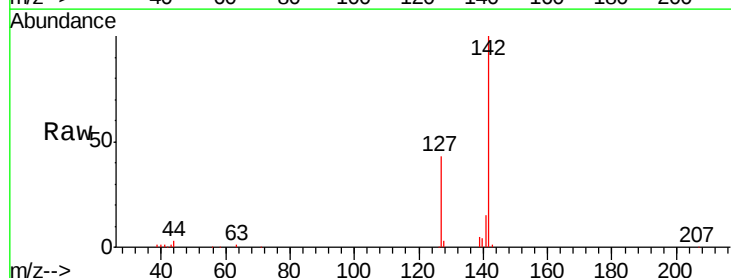
Manual Integrations
 APPROVED

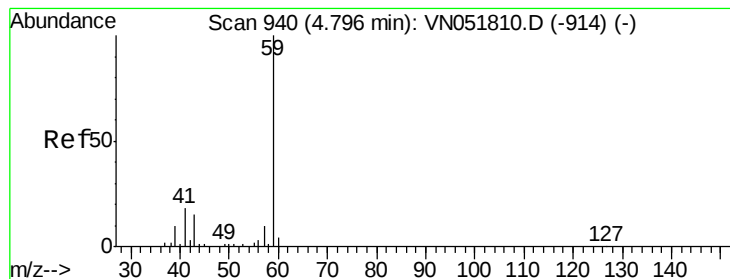
MMDadoda
 10/15/2018 3:00:14 PM



#10
 Methyl Iodide
 Concen: 17.05 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.8	31.7	47.5
141	14.5	11.4	17.0





#11

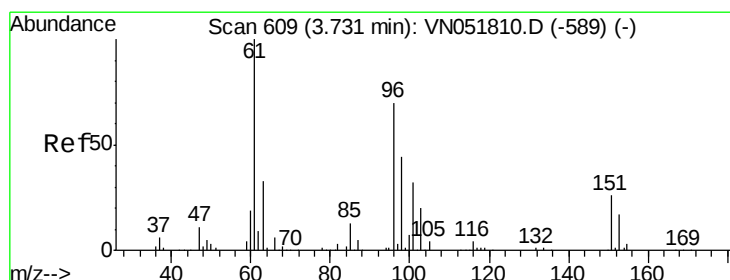
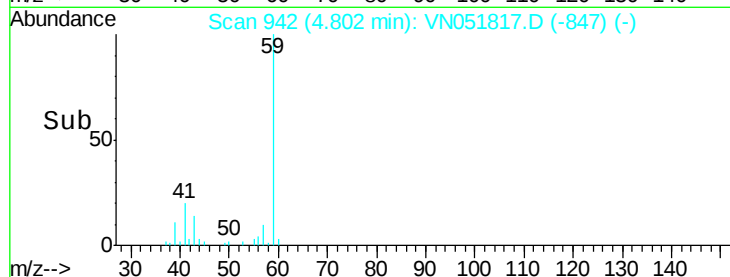
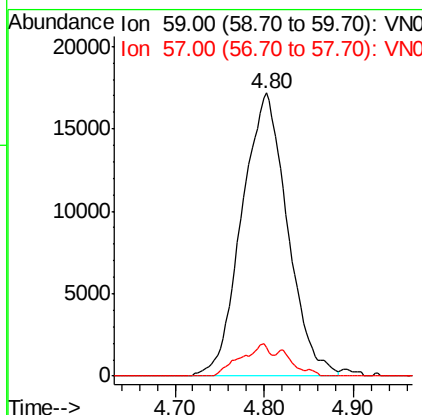
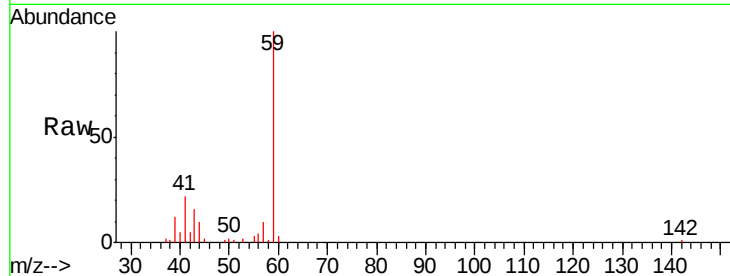
Tert butyl alcohol
 Concen: 99.99 ug/l
 RT: 4.80 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.7	8.3	12.5#

Manual Integrations
 APPROVED

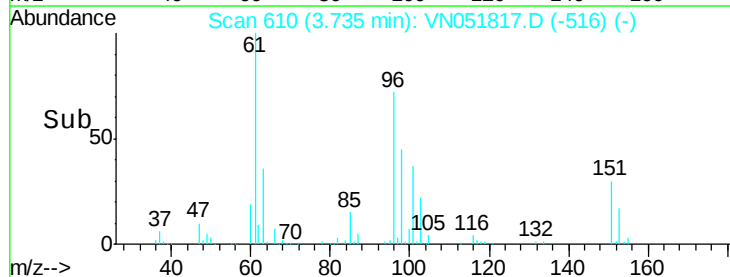
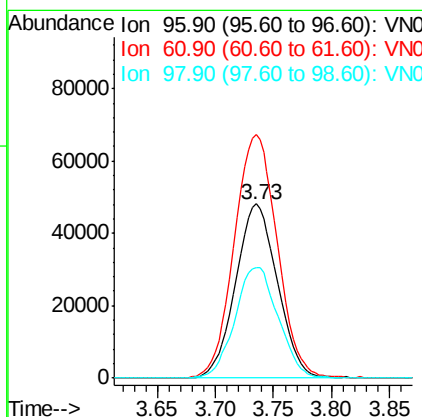
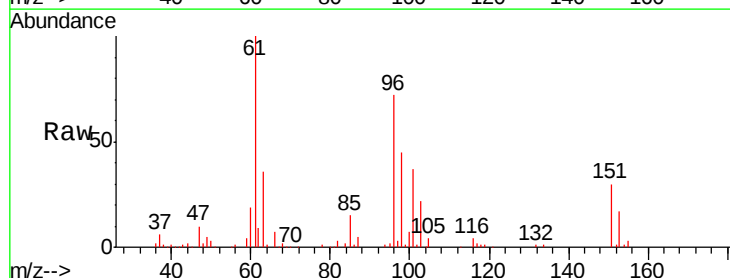
MMDadoda
 10/15/2018 3:00:14 PM

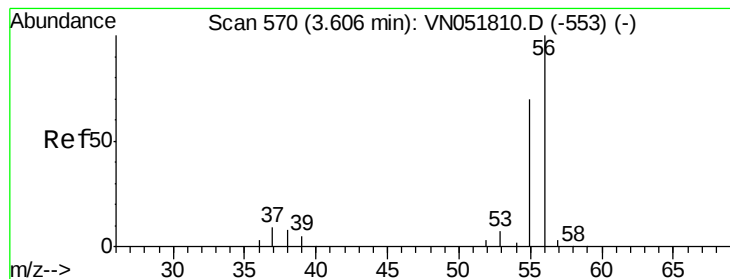


#12

1,1-Dichloroethene
 Concen: 19.40 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.7	124.9	187.3
98	63.5	51.1	76.7





#13

Acrolein

Concen: 107.37 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 56 Resp: 61060

Ion Ratio Lower Upper

56 100

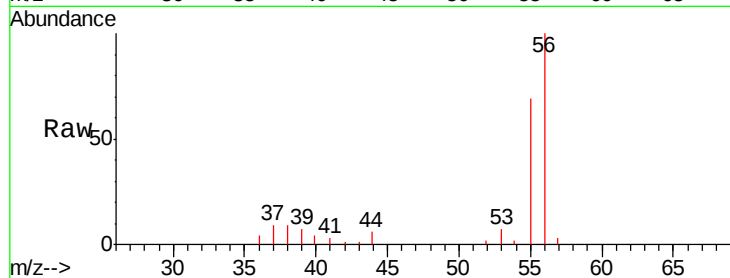
55 71.2 57.7 86.5

Manual Integrations

APPROVED

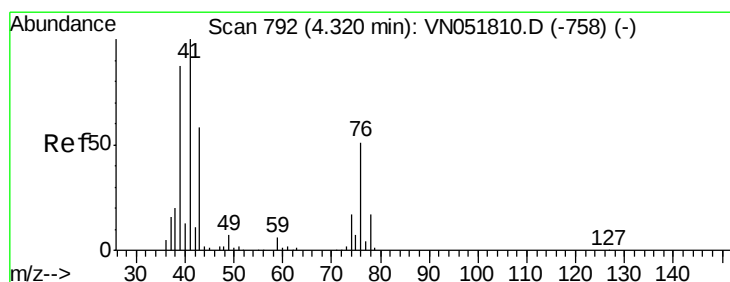
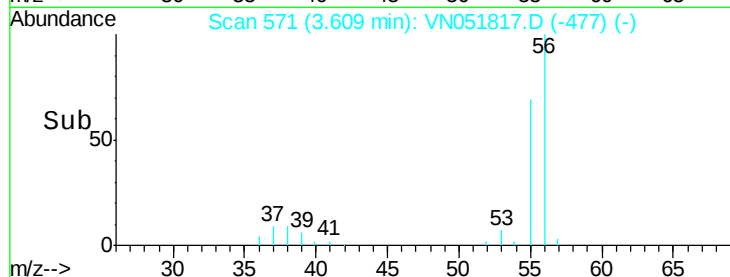
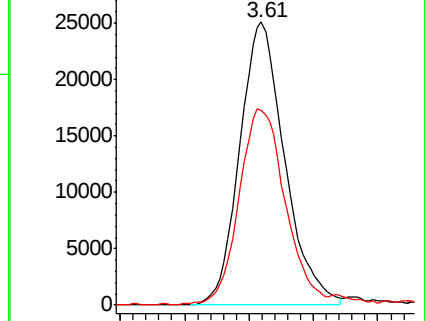
MMDadoda

10/15/2018 3:00:14 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.26 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

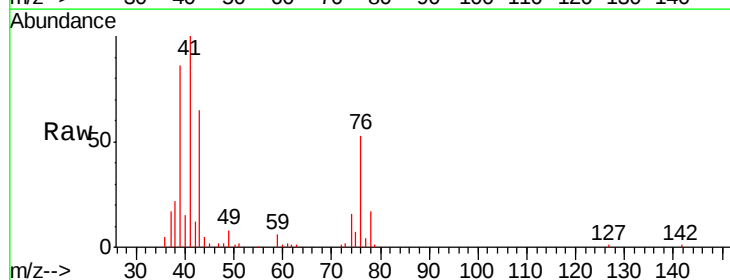
Tgt Ion: 41 Resp: 150611

Ion Ratio Lower Upper

41 100

39 82.1 50.2 75.2#

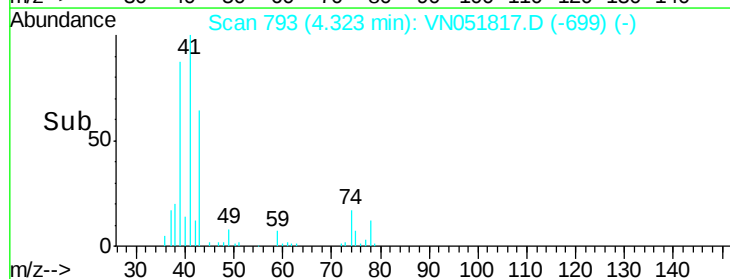
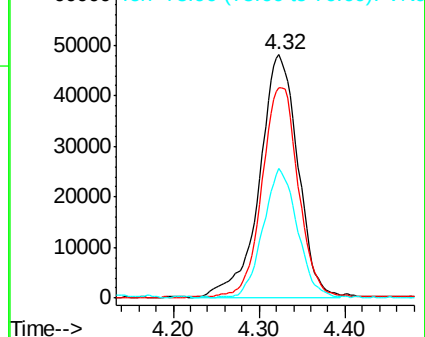
76 47.3 29.8 44.8#

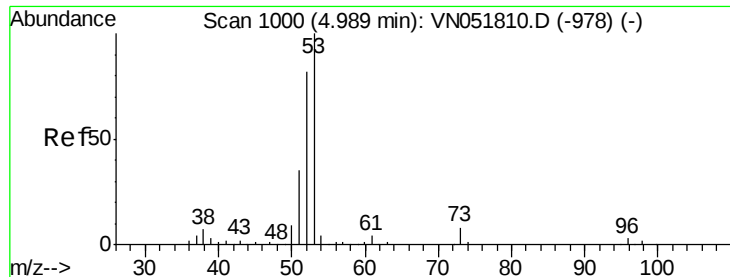


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





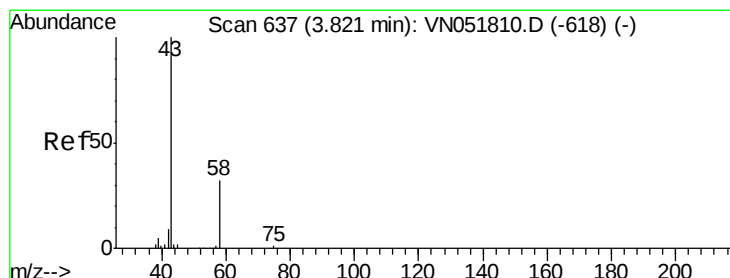
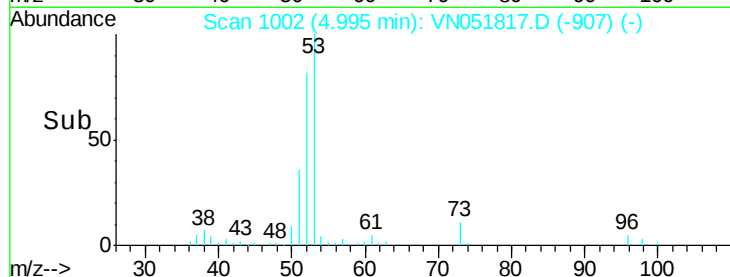
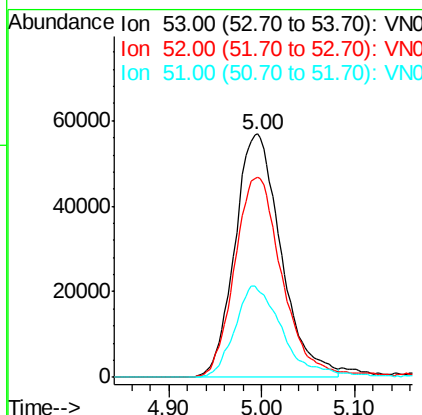
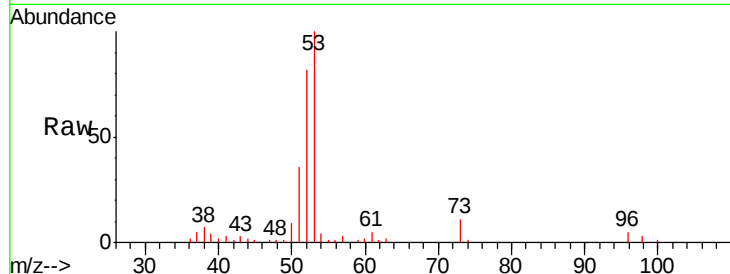
#15
 Acrylonitrile
 Concen: 99.12 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.9	98.9
51	38.2	28.6	43.0

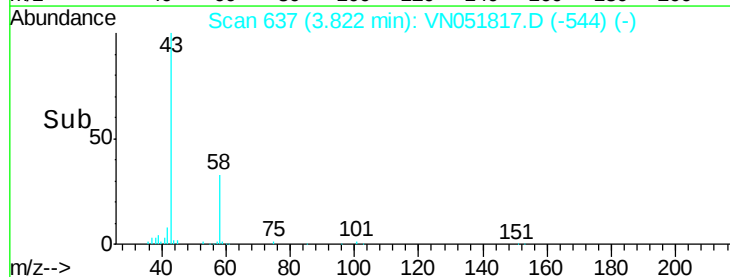
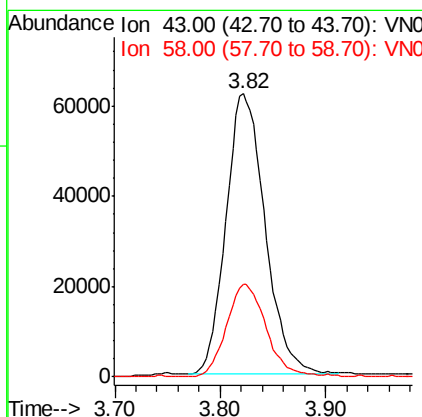
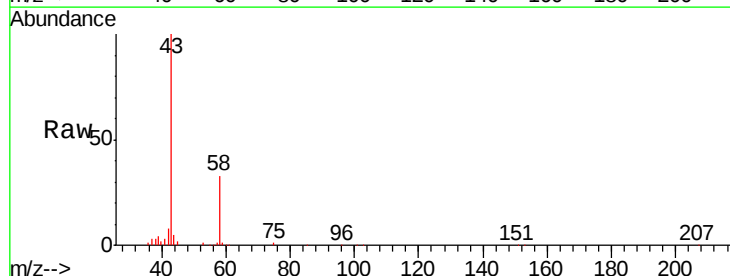
Manual Integrations
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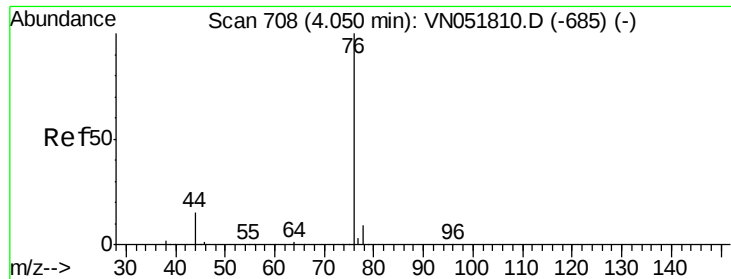
MMDadoda
 10/15/2018 3:00:14 PM



#16
 Acetone
 Concen: 89.31 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.2	40.8





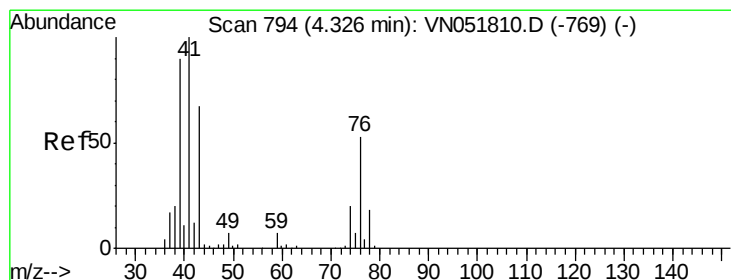
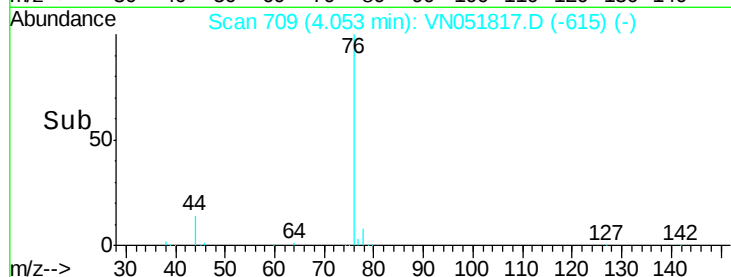
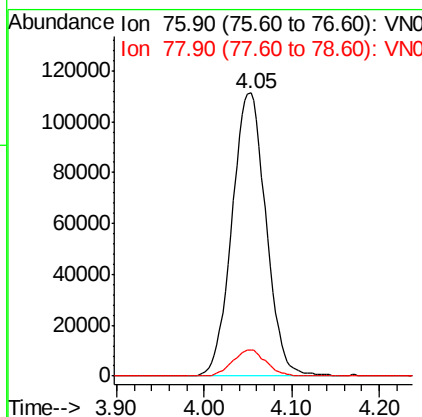
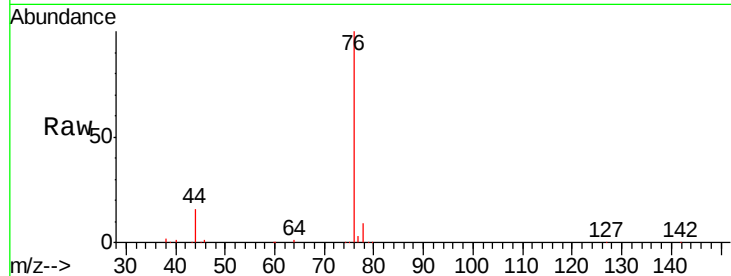
#17
Carbon Disulfide
Concen: 17.79 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 76 Resp: 299859
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

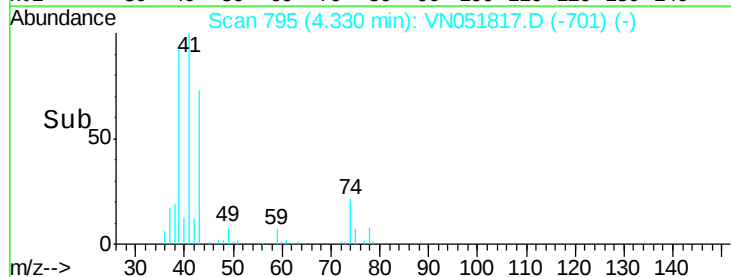
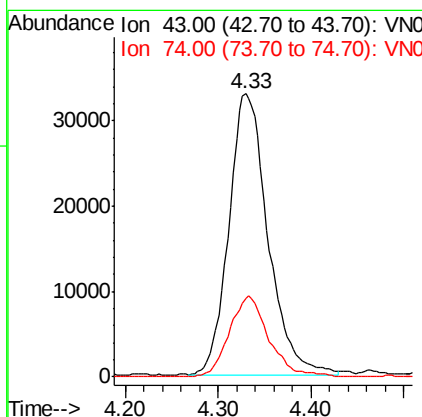
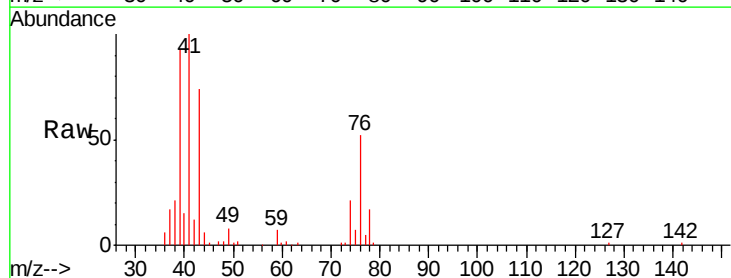
Manual Integrations
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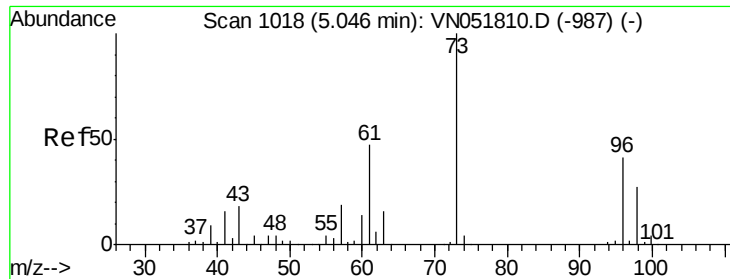
MMDadoda
10/15/2018 3:00:14 PM



#18
Methyl Acetate
Concen: 18.78 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 43 Resp: 95928
Ion Ratio Lower Upper
43 100
74 28.5 19.8 29.8





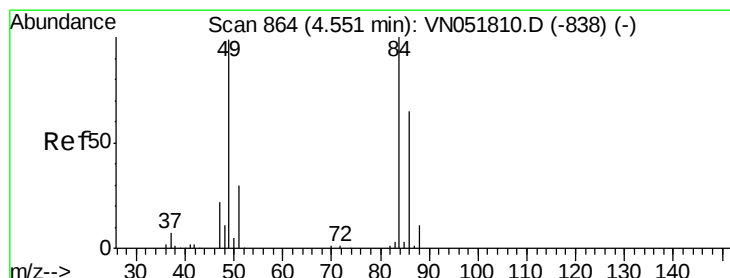
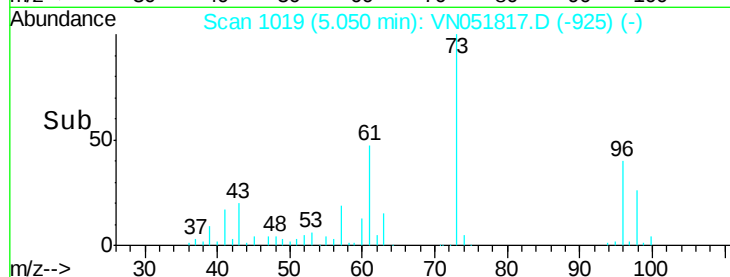
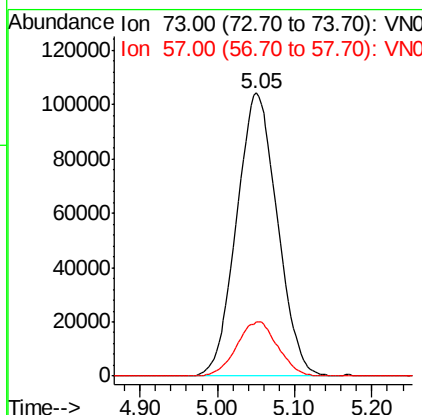
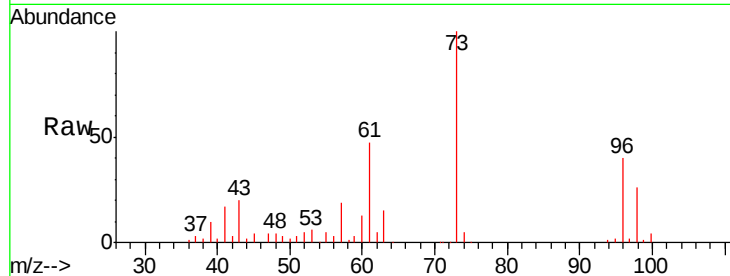
#19
Methyl tert-butyl Ether
Concen: 19.49 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 73 Resp: 382194
Ion Ratio Lower Upper
73 100
57 19.1 17.8 26.8

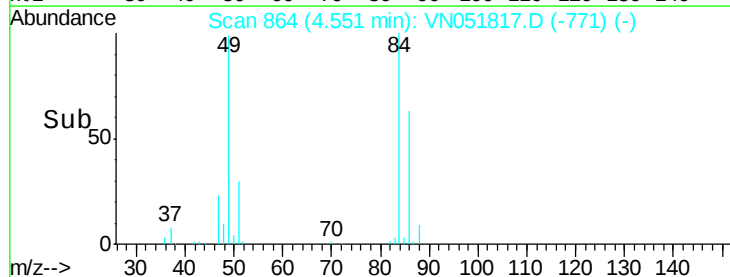
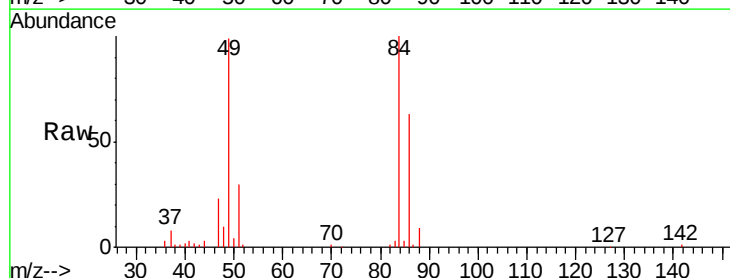
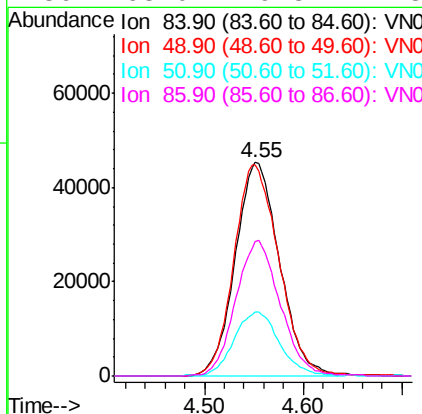
Manual Integrations
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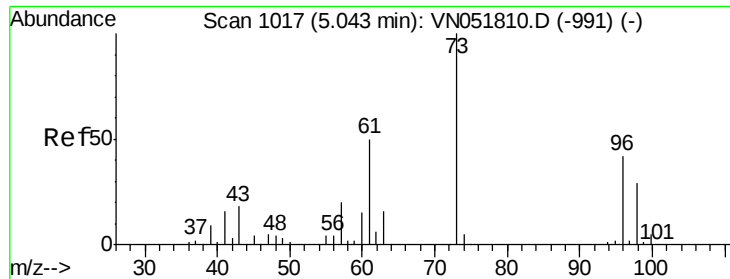
MMDadoda
10/15/2018 3:00:14 PM



#20
Methylene Chloride
Concen: 19.01 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 84 Resp: 140705
Ion Ratio Lower Upper
84 100
49 98.3 93.2 139.8
51 30.1 29.0 43.6
86 63.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.83 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 96 Resp: 137700

Ion Ratio Lower Upper

96 100

61 113.0 107.4 161.0

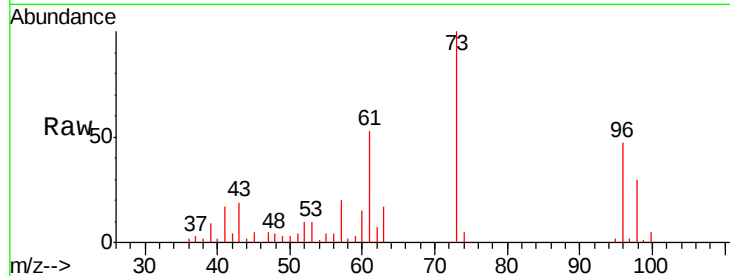
98 64.3 50.7 76.1

Manual Integrations

APPROVED

MMDadoda

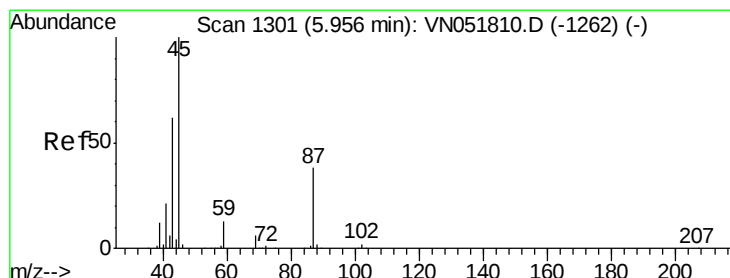
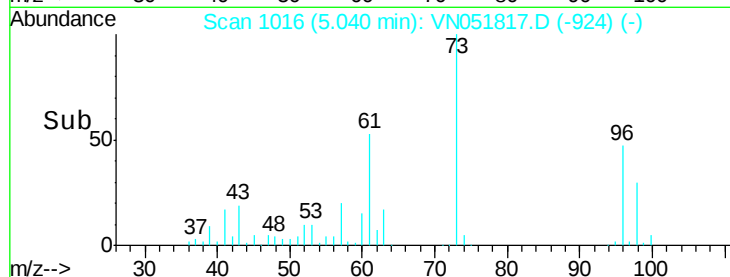
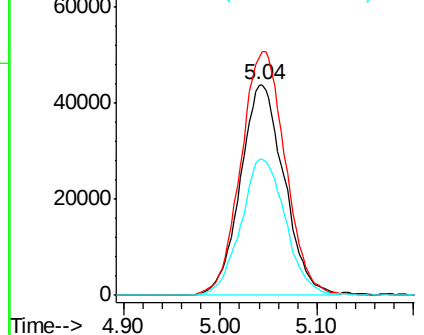
10/15/2018 3:00:14 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.57 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Tgt Ion: 45 Resp: 338214

Ion Ratio Lower Upper

45 100

43 66.3 45.9 68.9

87 35.9 22.7 34.1#

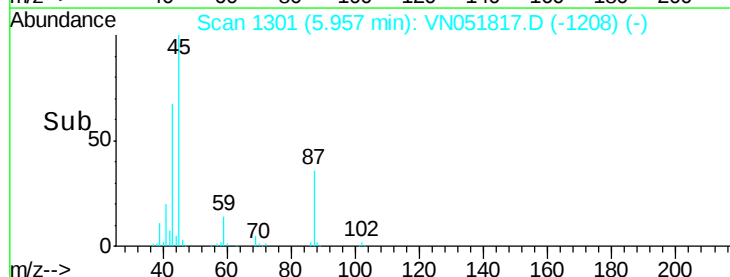
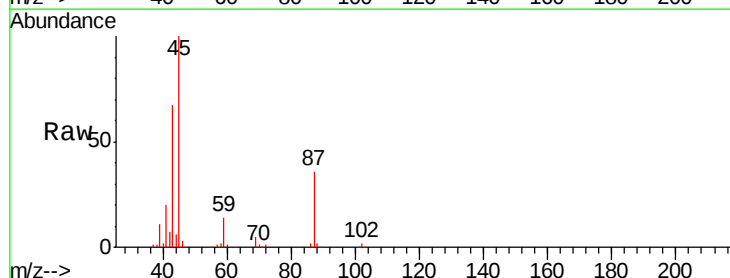
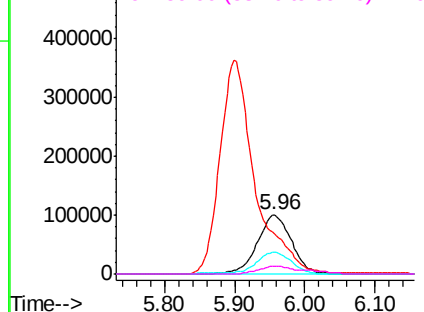
59 13.1 9.3 13.9

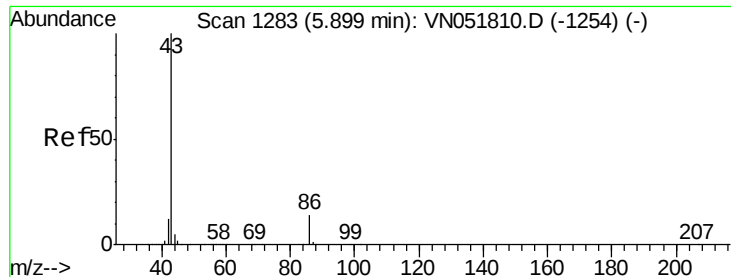
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 99.43 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 43 Resp: 1256977

Ion Ratio Lower Upper

43 100

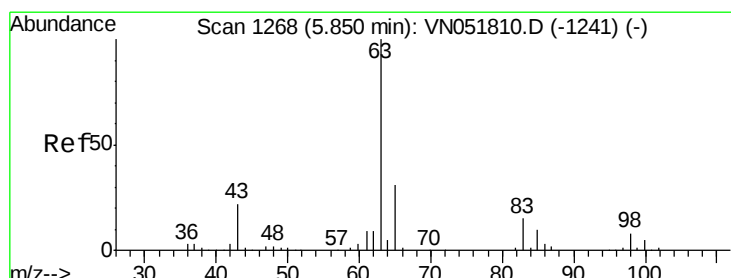
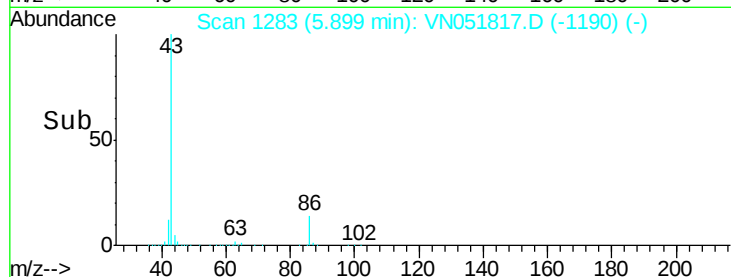
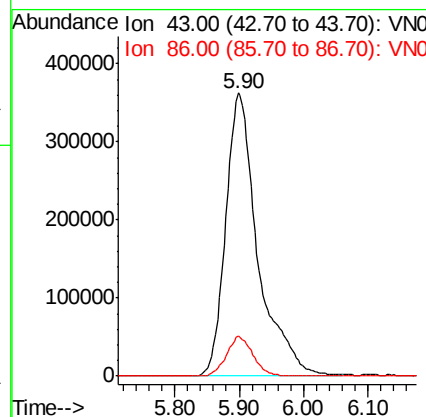
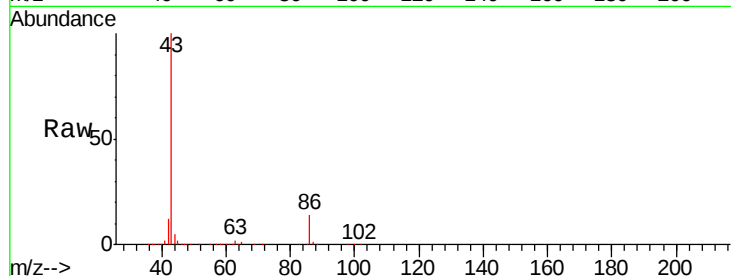
86 14.0 8.7 13.1#

Manual Integrations

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MMDadoda

10/15/2018 3:00:14 PM



#24

1,1-Dichloroethane

Concen: 19.34 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

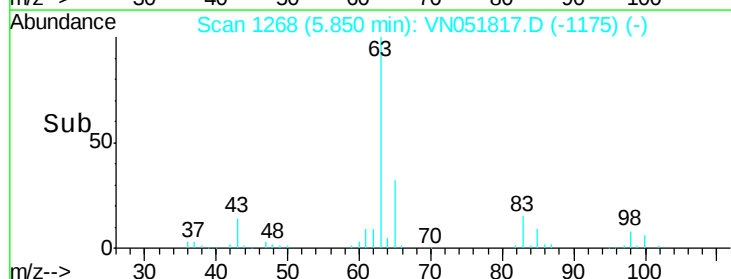
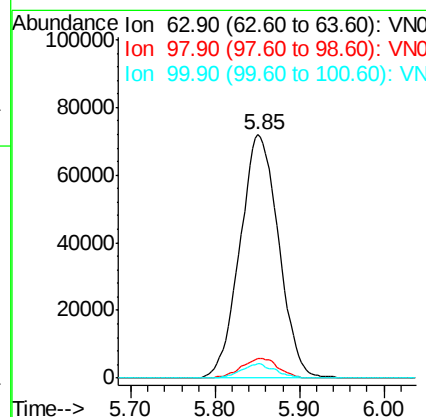
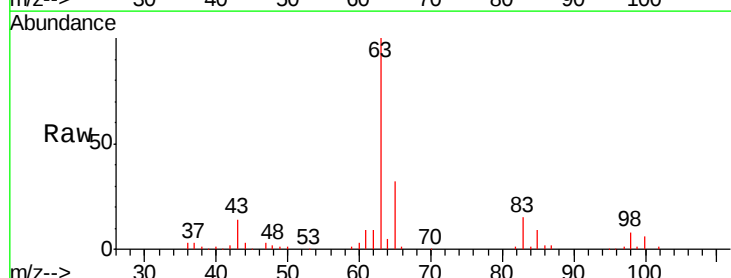
Tgt Ion: 63 Resp: 229604

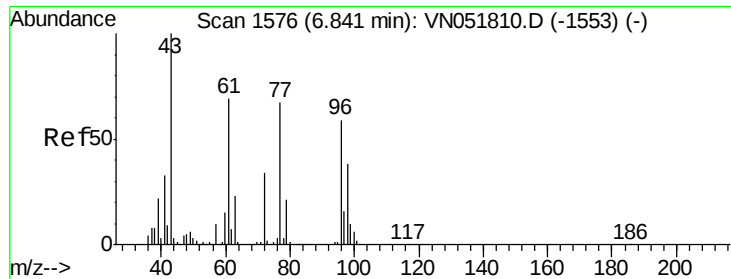
Ion Ratio Lower Upper

63 100

98 7.9 3.3 9.8

100 5.9 2.1 6.5





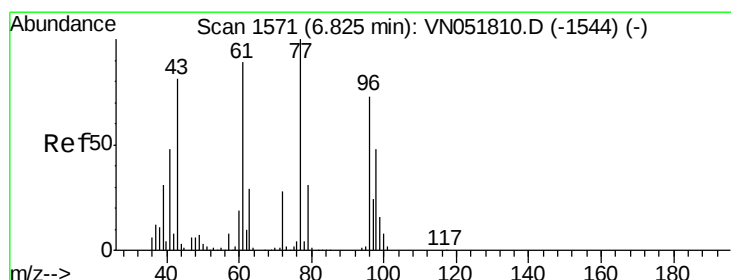
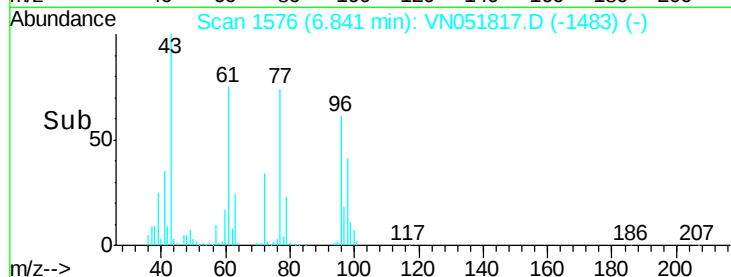
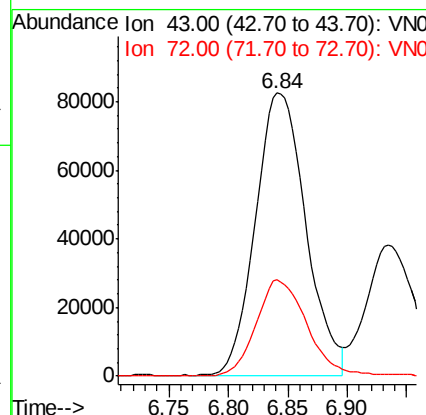
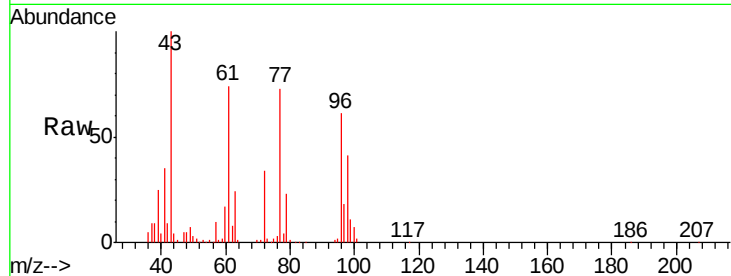
#25
2-Butanone
Concen: 95.38 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 43 Resp: 241066
Ion Ratio Lower Upper
43 100
72 34.3 22.3 33.5#

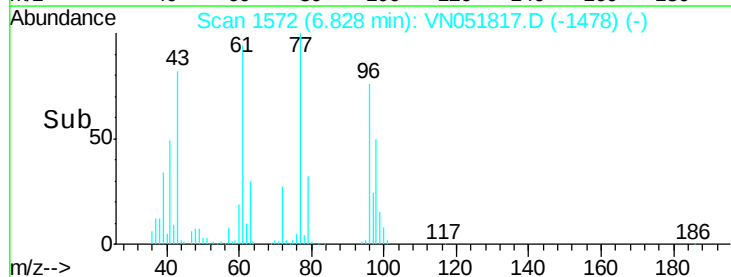
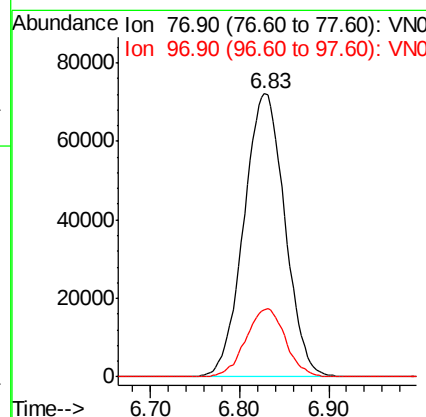
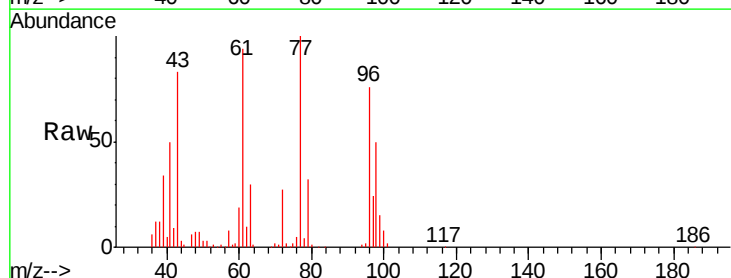
Manual Integrations
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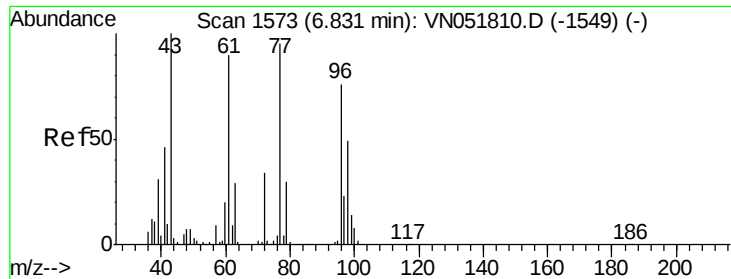
MMDadoda
10/15/2018 3:00:14 PM



#26
2,2-Dichloropropane
Concen: 19.18 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 77 Resp: 230588
Ion Ratio Lower Upper
77 100
97 23.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.23 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

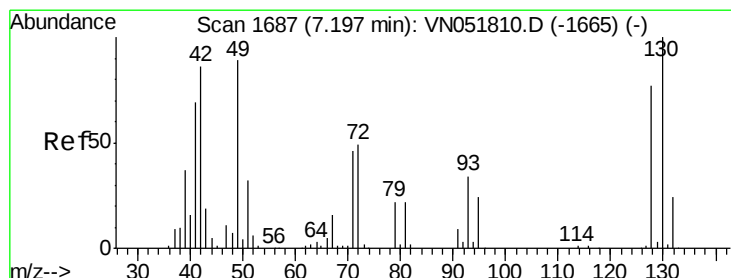
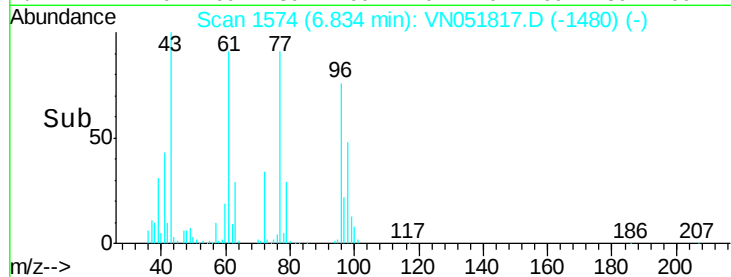
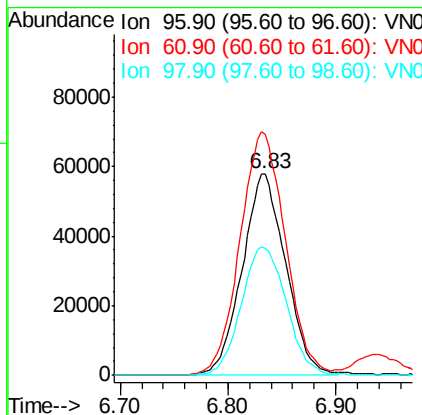
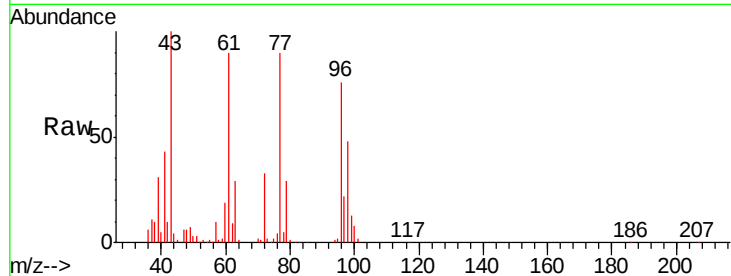
ClientSampleId :

VN1011WBS01

Tgt Ion:	96	Resp:	162086
Ion	Ratio	Lower	Upper
96	100		
61	126.1	0.0	283.4
98	66.3	0.0	129.8

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#28

Bromochloromethane

Concen: 19.83 ug/l

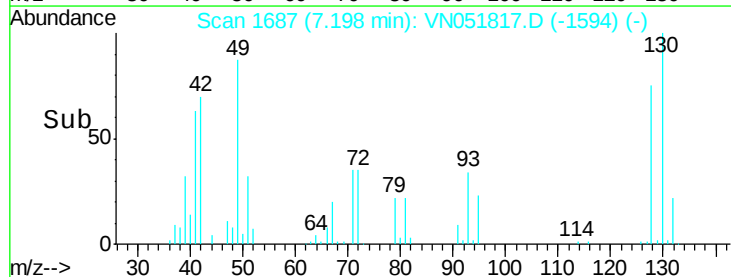
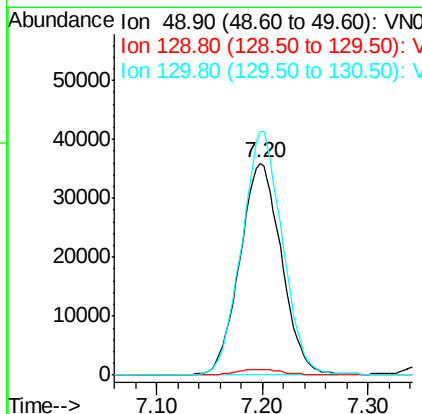
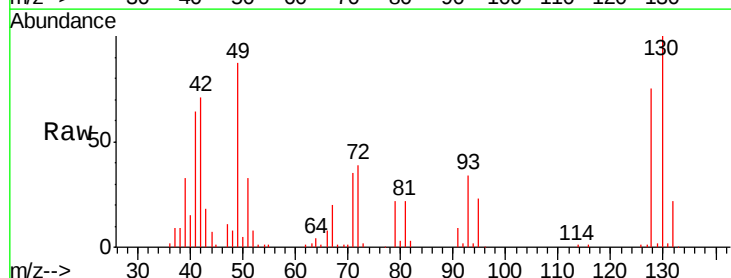
RT: 7.20 min Scan# 1687

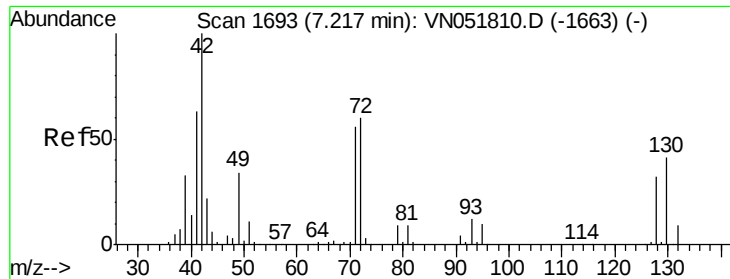
Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Tgt Ion:	49	Resp:	98763
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	4.2
130	112.4	67.1	100.7#





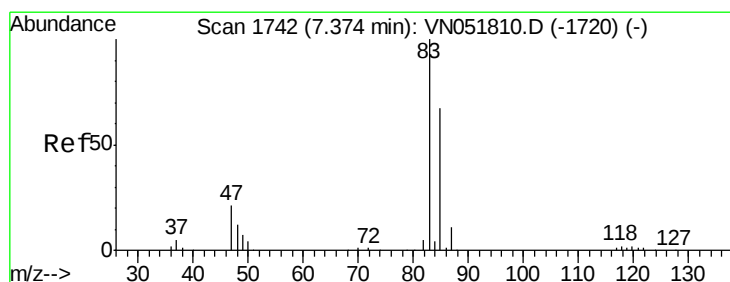
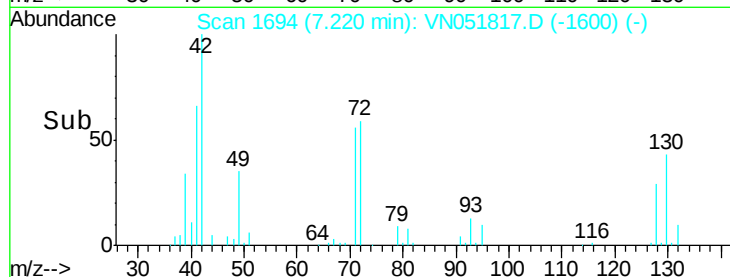
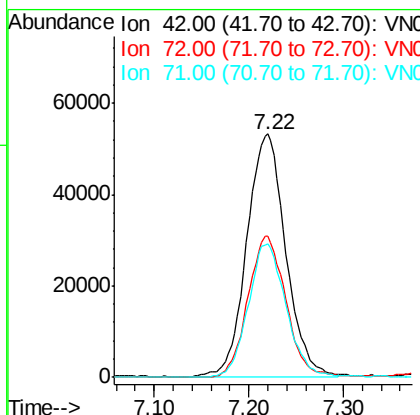
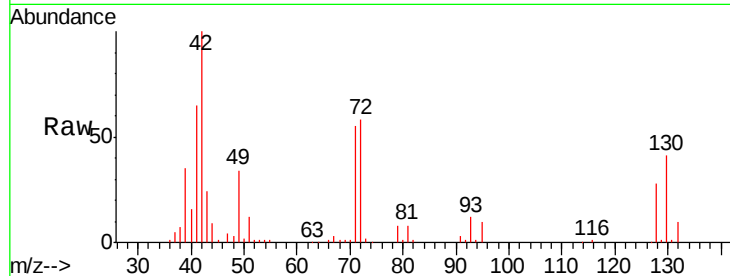
#29
Tetrahydrofuran
Concen: 101.34 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	56.3	35.5	53.3#
71	53.6	33.7	50.5#

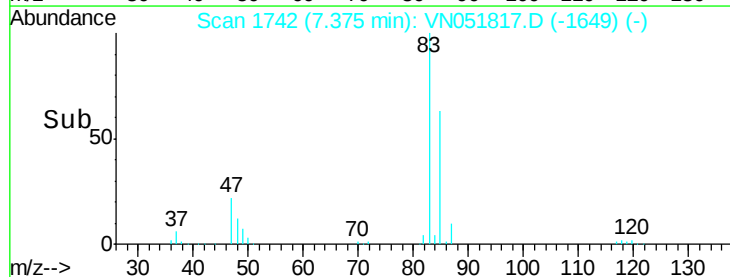
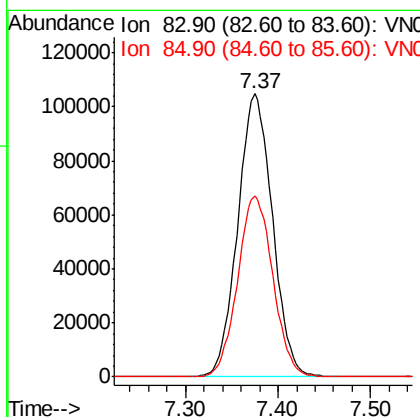
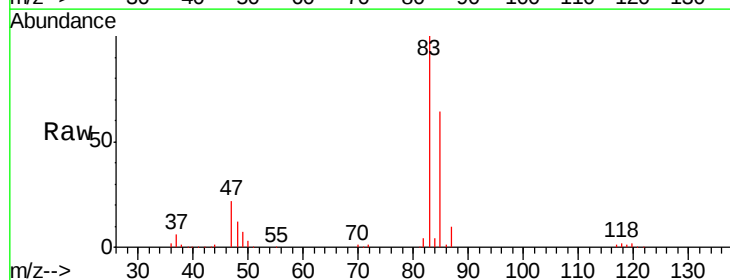
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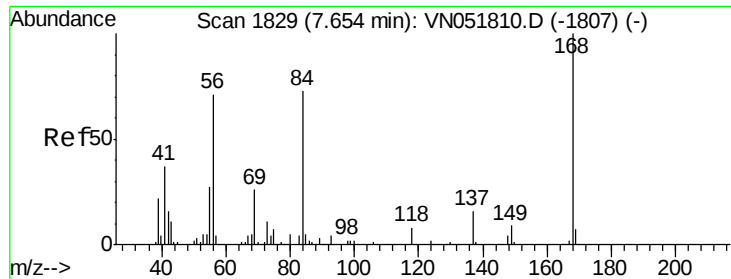
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10/15/2018 3:00:14 PM



#30
Chloroform
Concen: 19.21 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4





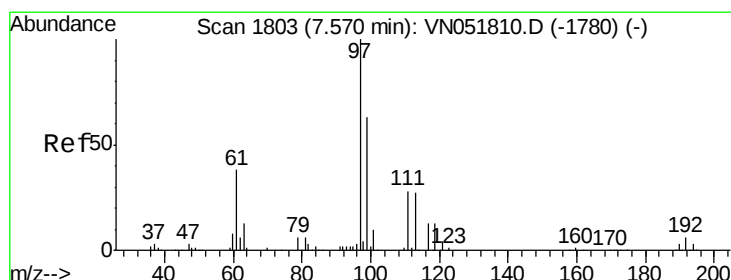
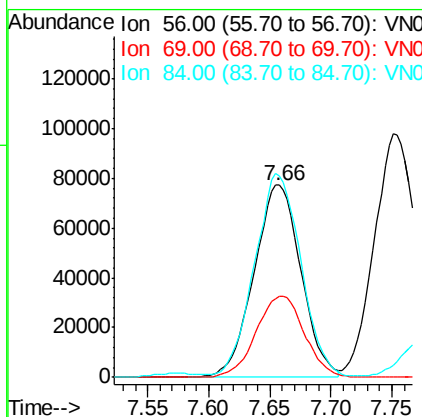
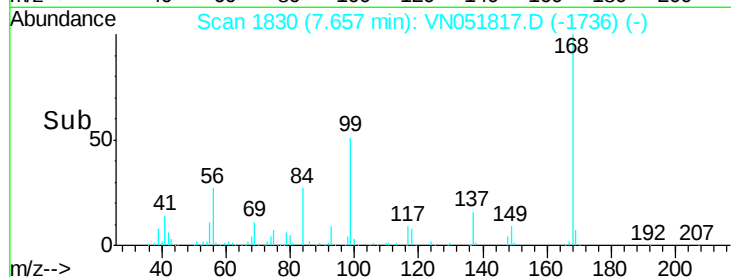
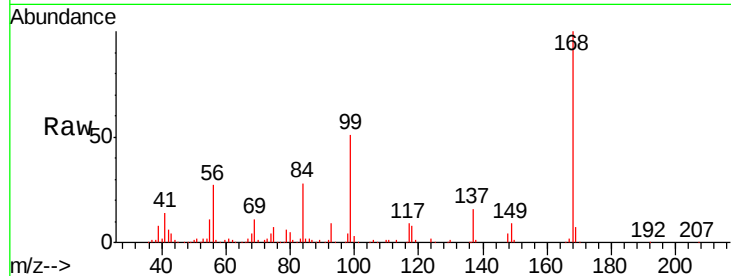
#31
Cyclohexane
Concen: 19.68 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 56 Resp: 206912
Ion Ratio Lower Upper
56 100
69 41.9 26.2 39.4#
84 103.4 68.3 102.5#

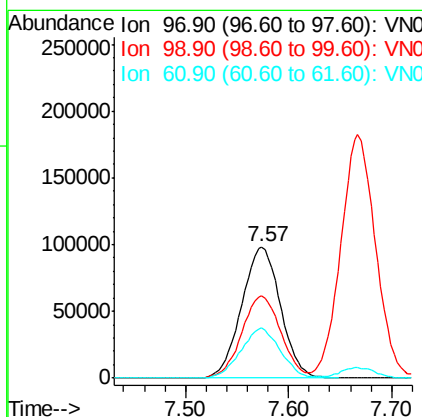
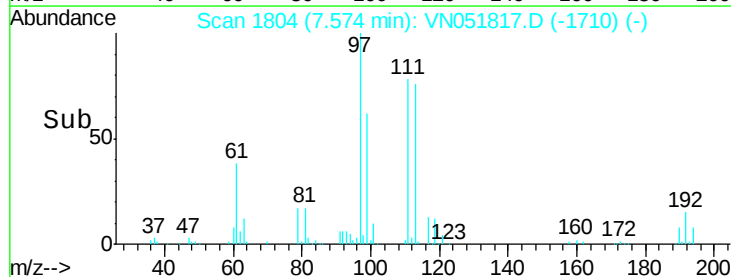
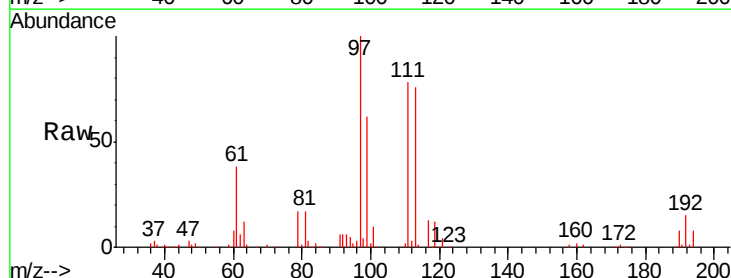
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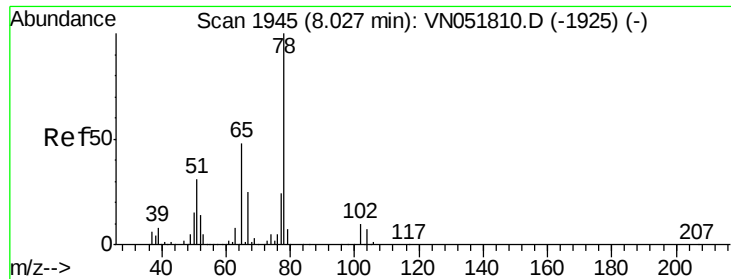
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#32
1,1,1-Trichloroethane
Concen: 19.34 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 97 Resp: 257656
Ion Ratio Lower Upper
97 100
99 63.0 51.8 77.6
61 38.6 34.9 52.3





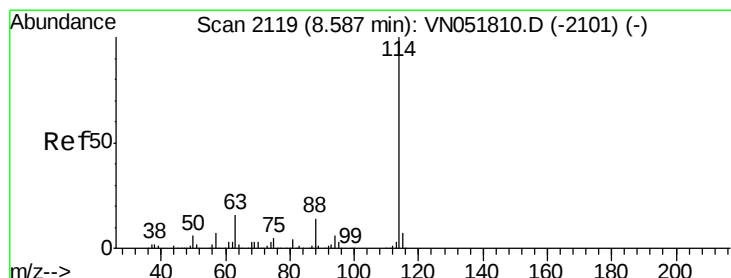
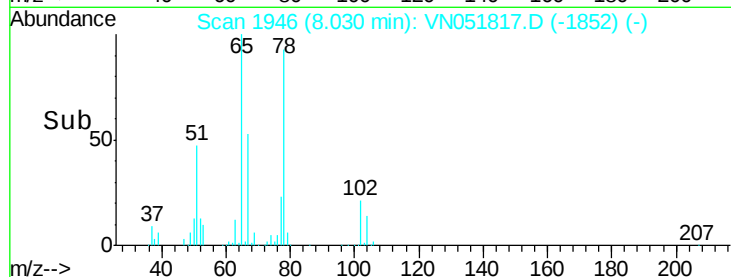
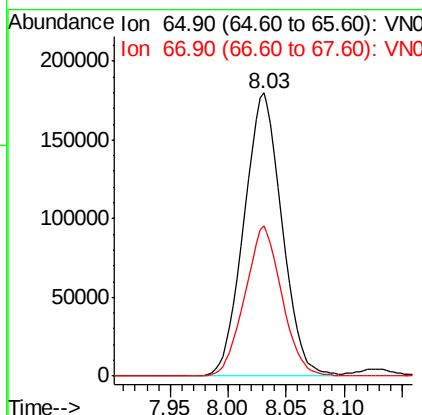
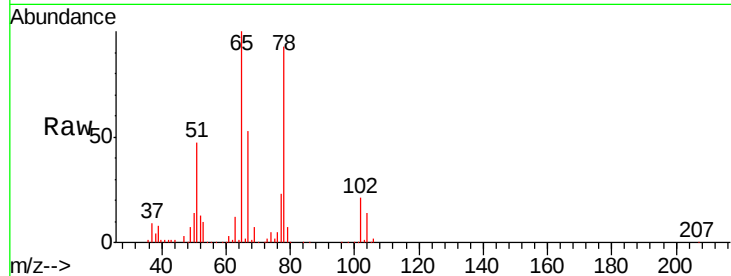
#33
 1,2-Dichloroethane-d4
 Concen: 19.34 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion: 65 Resp: 410983
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 110.4

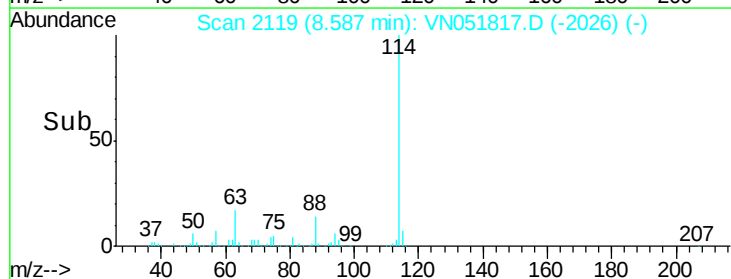
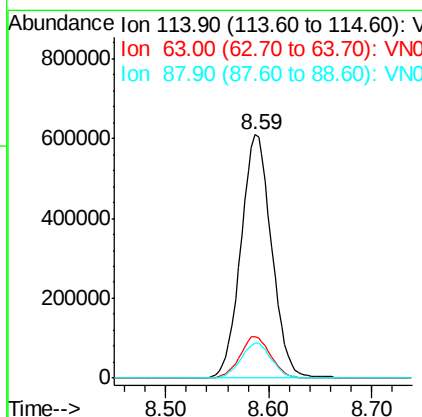
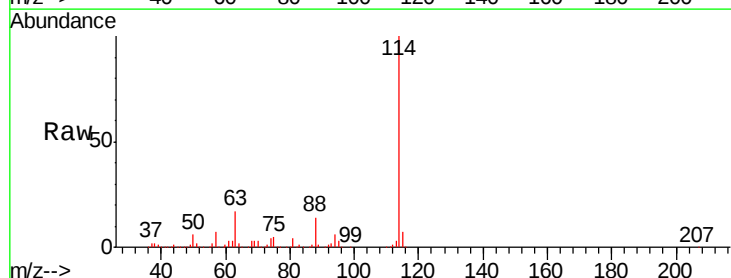
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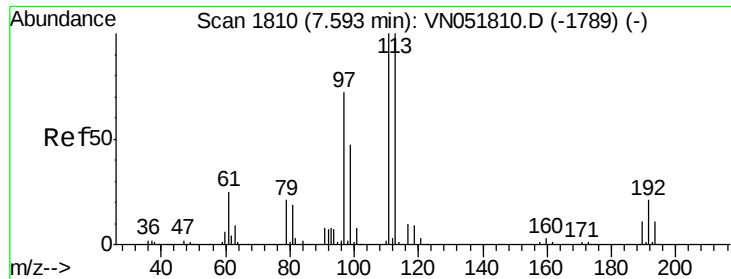
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion: 114 Resp: 1262725
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 38.6
 88 14.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

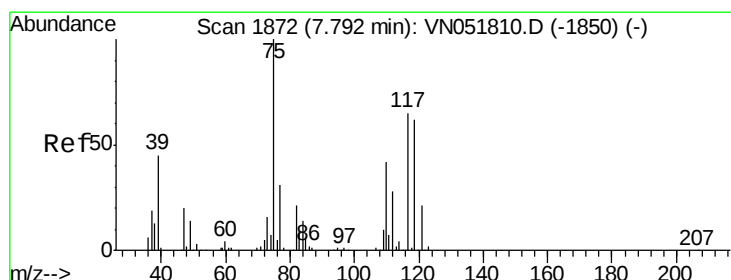
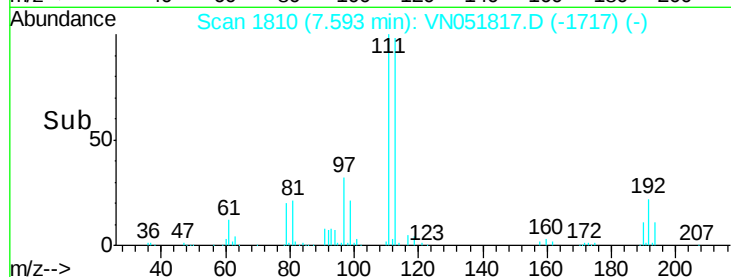
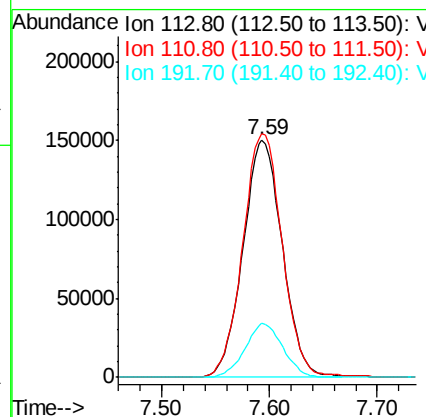
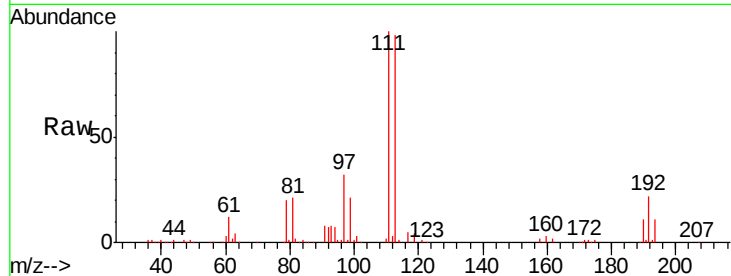
ClientSampleId :

VN1011WBS01

Tgt Ion:	113	Resp:	381255
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.6	123.8
192	21.8	18.0	27.0

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#36

1,1-Dichloropropene

Concen: 18.70 ug/l

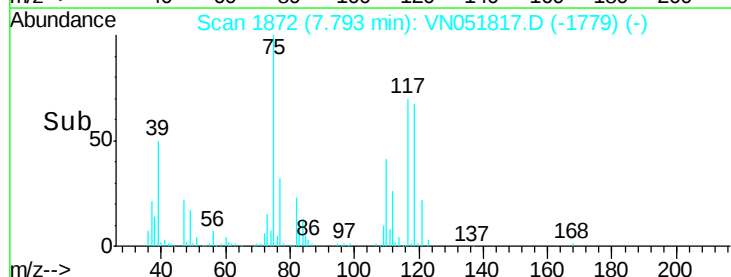
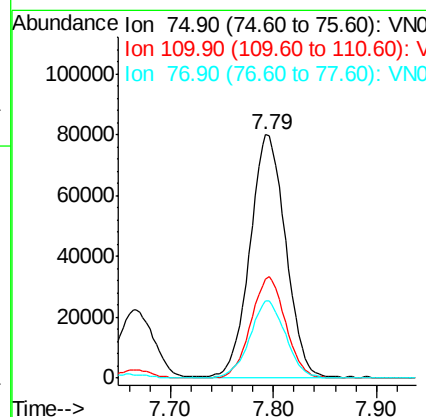
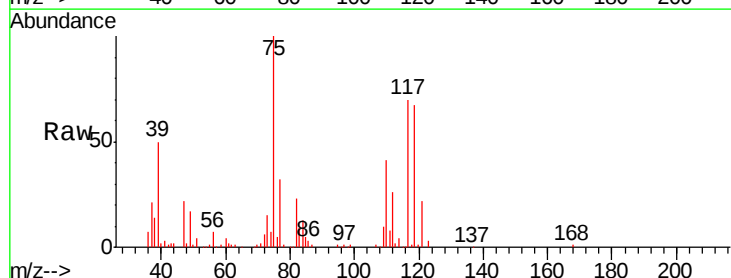
RT: 7.79 min Scan# 1872

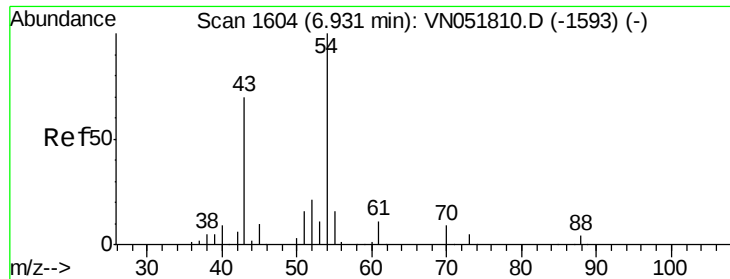
Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Tgt Ion:	75	Resp:	191123
Ion Ratio	Lower	Upper	
75	100		
110	40.7	18.1	54.4
77	31.9	24.8	37.2





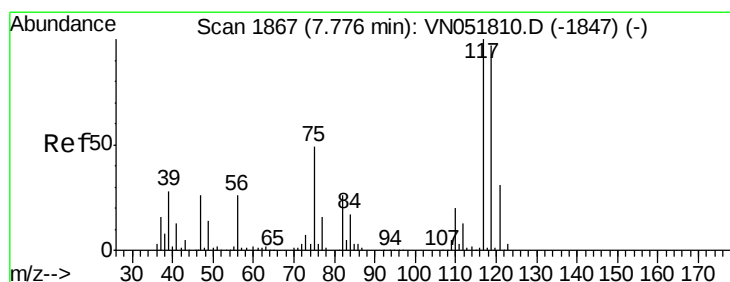
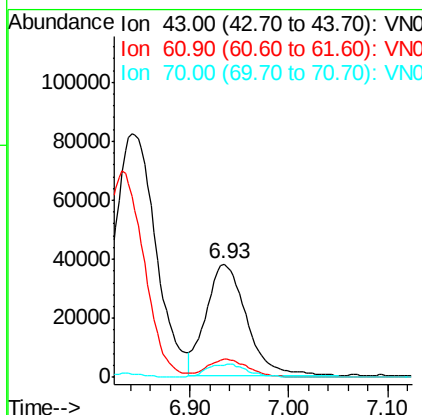
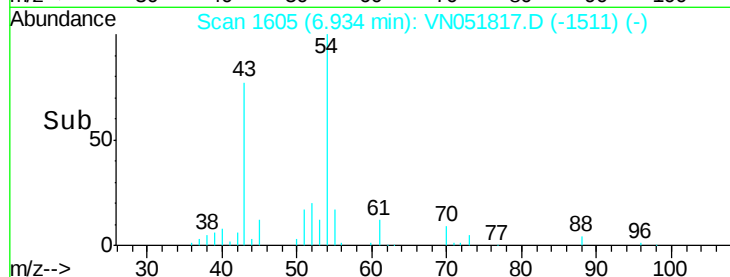
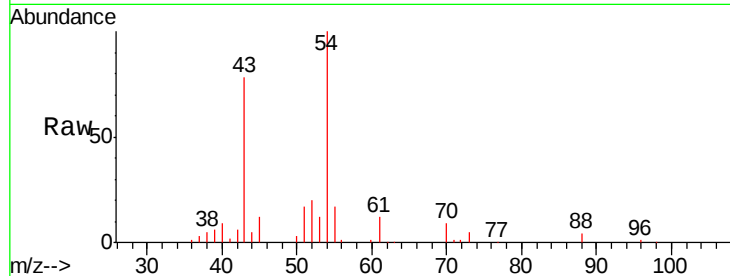
#37
Ethyl Acetate
Concen: 20.63 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.8	12.0	18.0
70	12.1	8.6	13.0

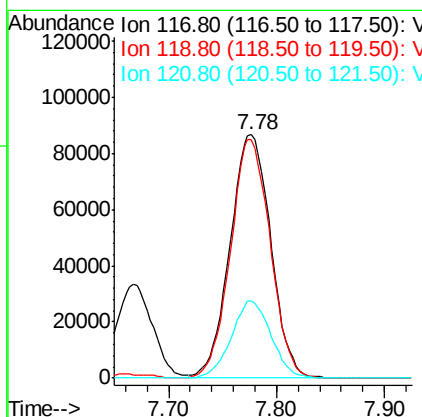
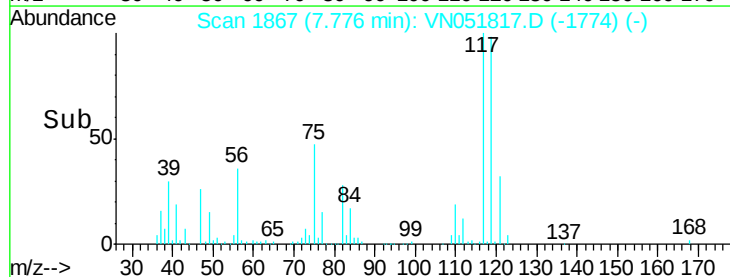
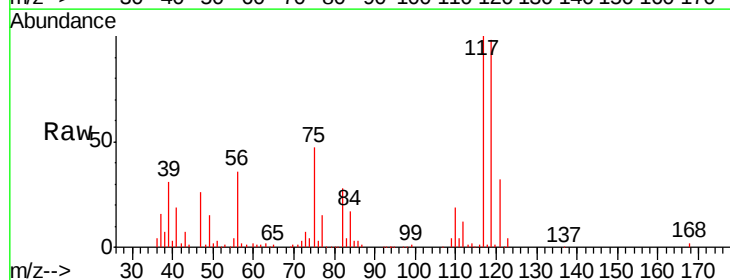
Manual Integrations
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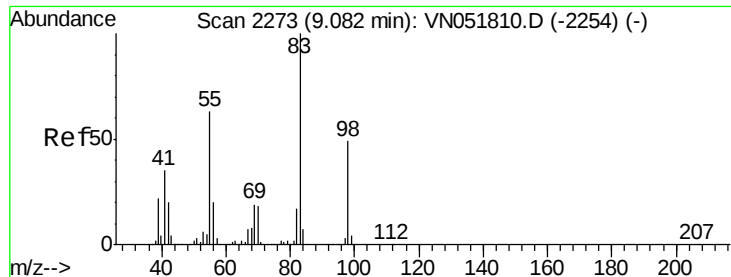
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.11 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.3	114.5
121	31.9	24.6	36.8





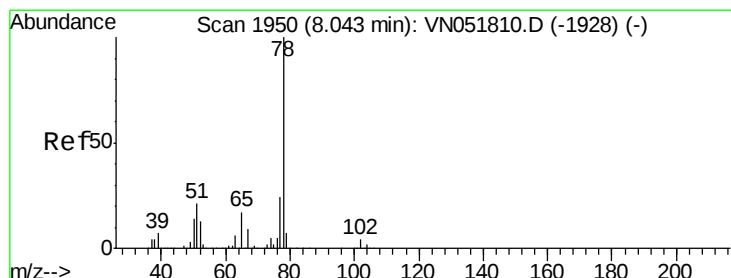
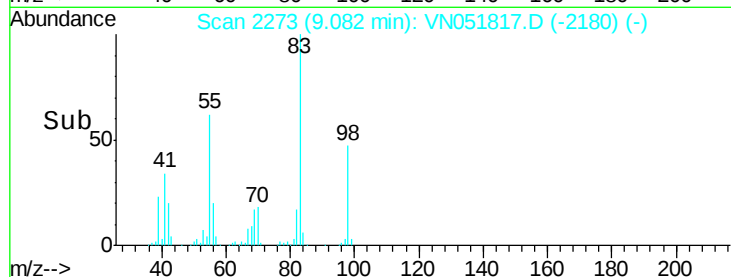
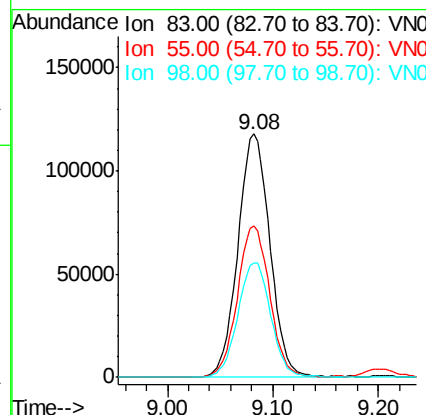
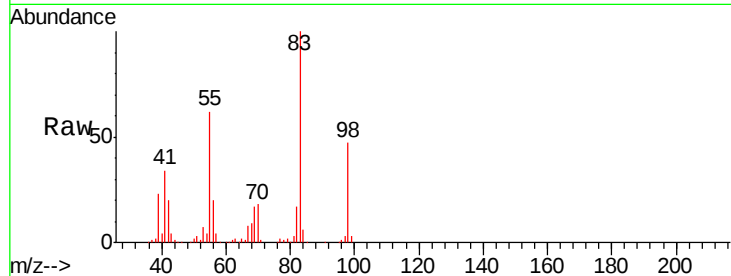
#39
Methylcyclohexane
Concen: 19.78 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	62.2	61.0	91.4
98	47.2	37.5	56.3

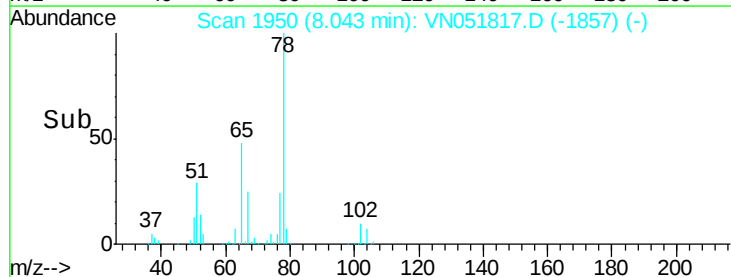
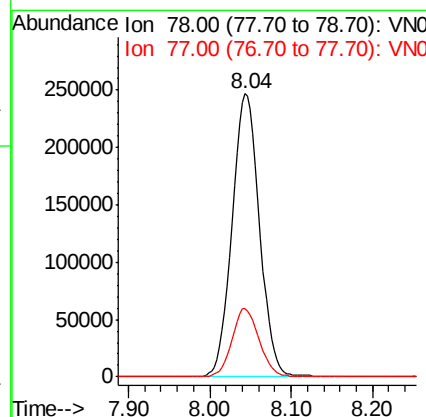
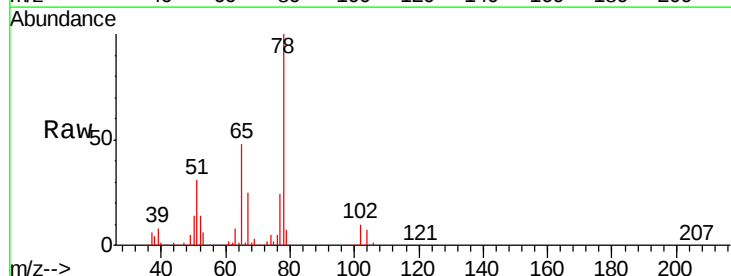
Manual Integrations
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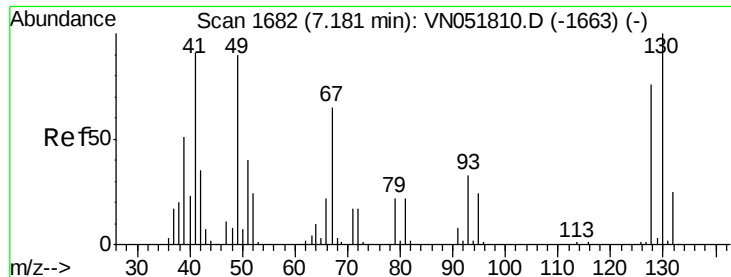
MMDadoda
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#40
Benzene
Concen: 19.76 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





#41

Methacrylonitrile

Concen: 17.80 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 41 Resp: 45032
Ion Ratio Lower Upper

41 100

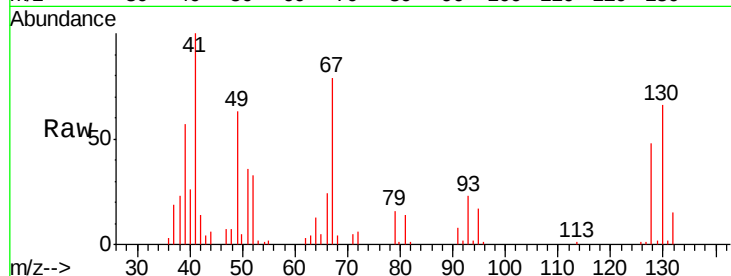
39 56.9 45.4 68.0

67 122.2 70.6 106.0#

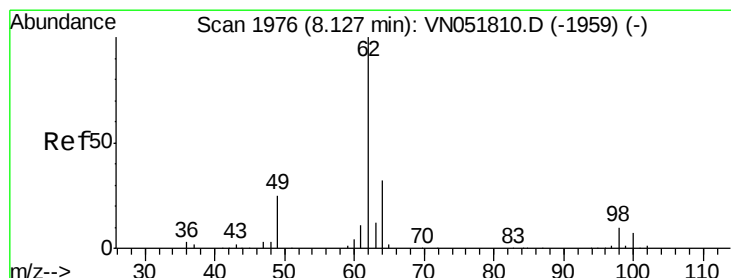
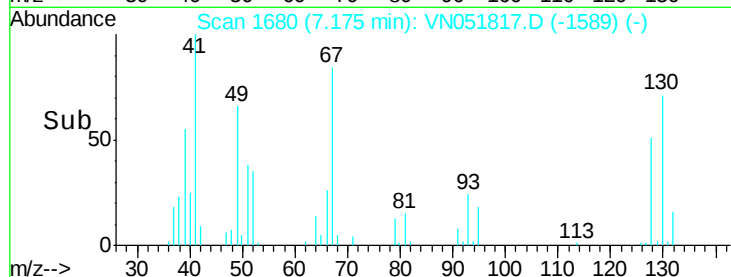
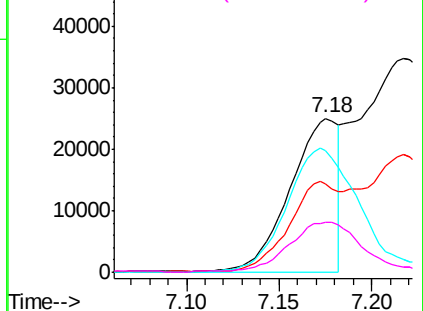
52 50.4 27.1 40.7#

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Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 19.57 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

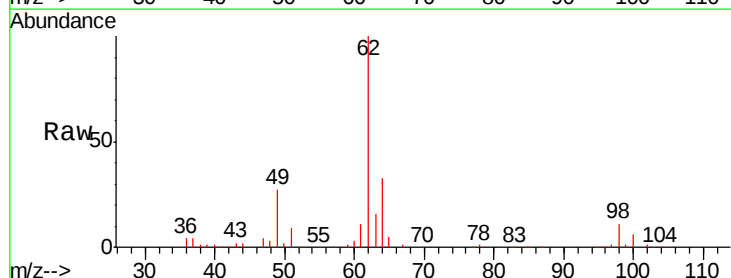
Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

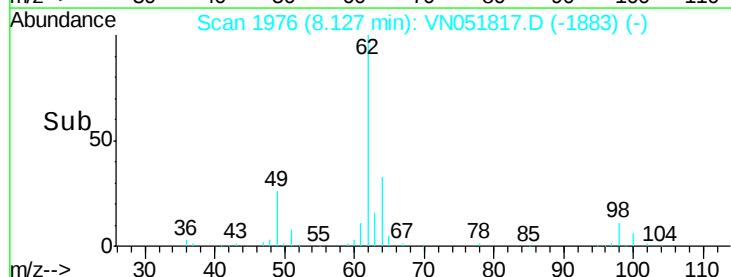
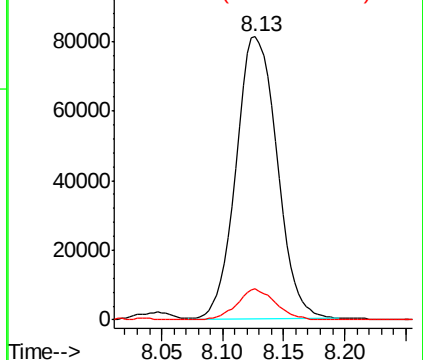
Tgt Ion: 62 Resp: 189219
Ion Ratio Lower Upper

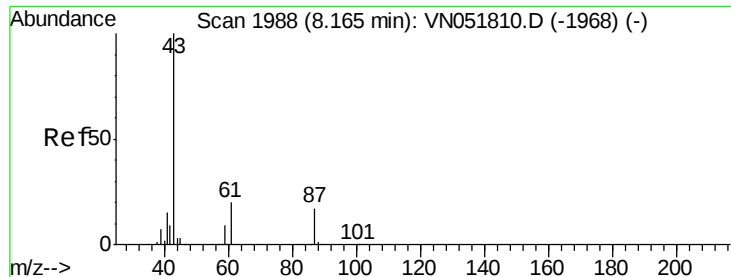
62 100

98 10.3 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





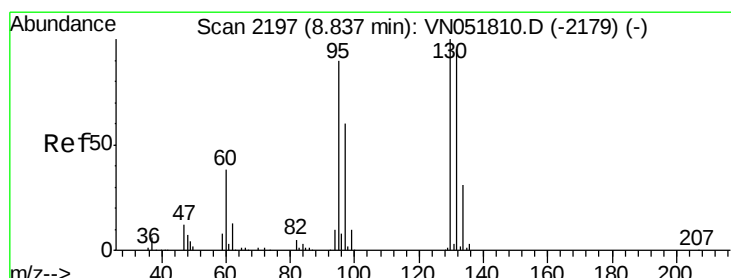
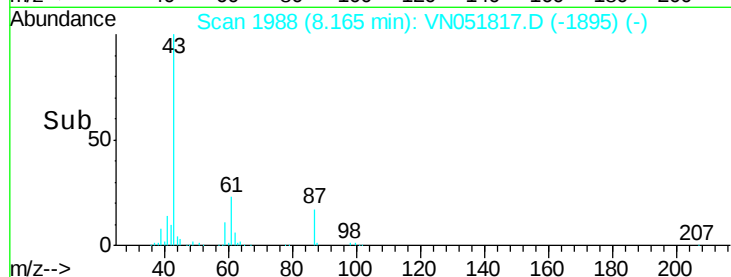
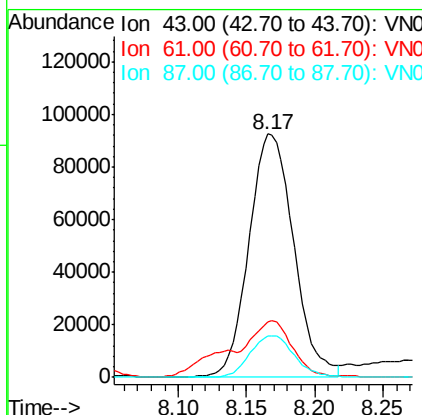
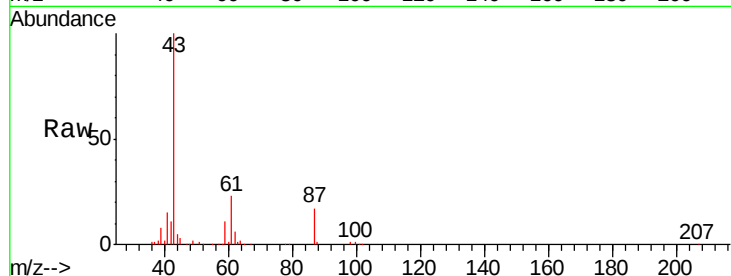
#43
Isopropyl Acetate
Concen: 19.77 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.5	26.3
87	17.1	11.3	16.9

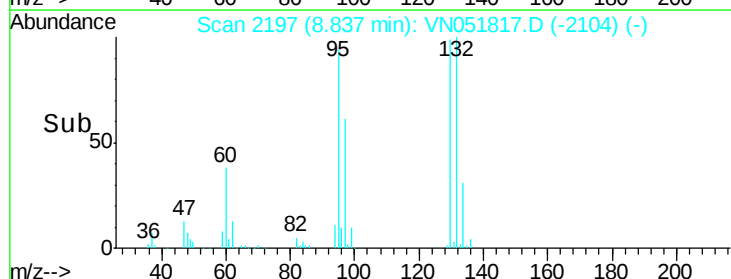
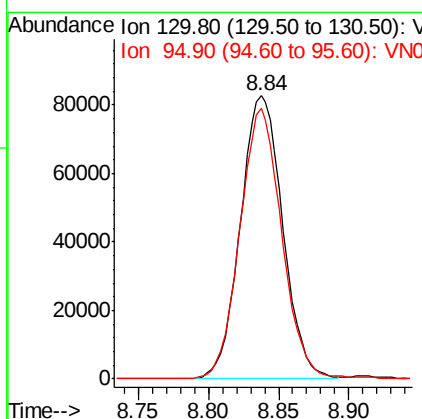
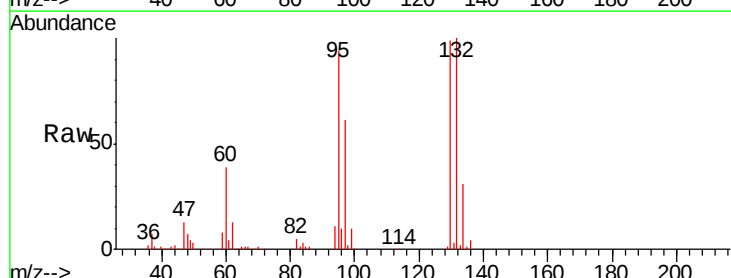
Manual Integrations
APPROVED

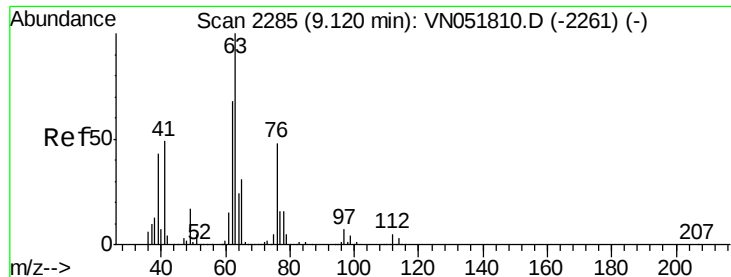
MMDadoda
10/15/2018 3:00:14 PM



#44
Trichloroethene
Concen: 19.33 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	193.0





#45

1,2-Dichloropropane

Concen: 19.88 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 63 Resp: 137850

Ion Ratio Lower Upper

63 100

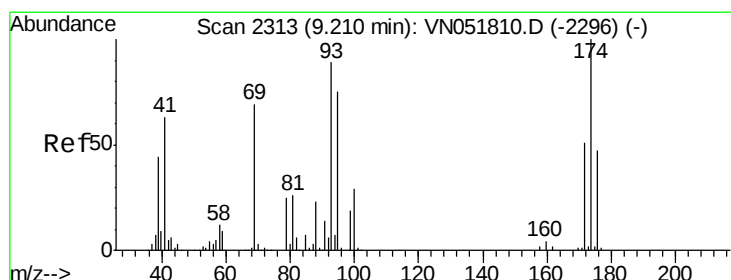
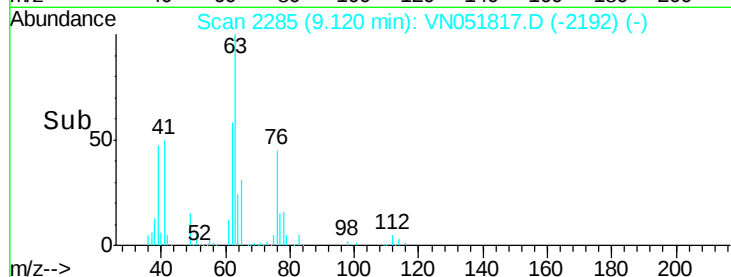
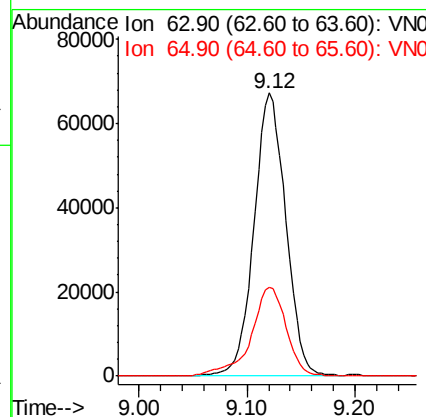
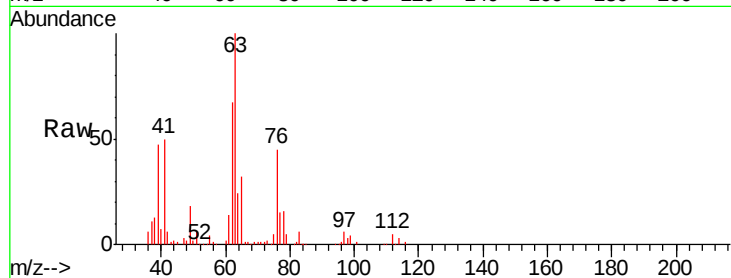
65 31.6 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

10/15/2018 3:00:14 PM



#46

Dibromomethane

Concen: 19.82 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

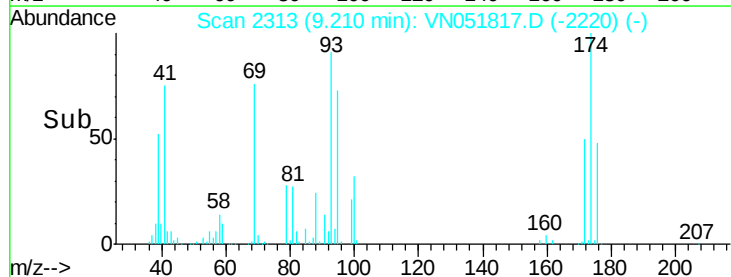
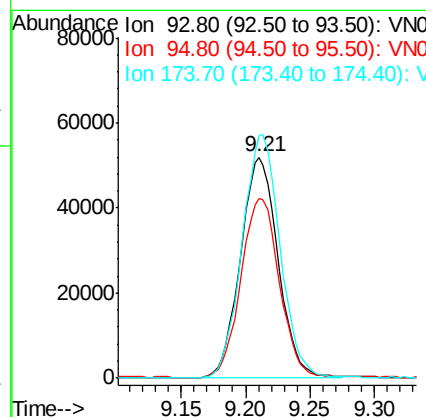
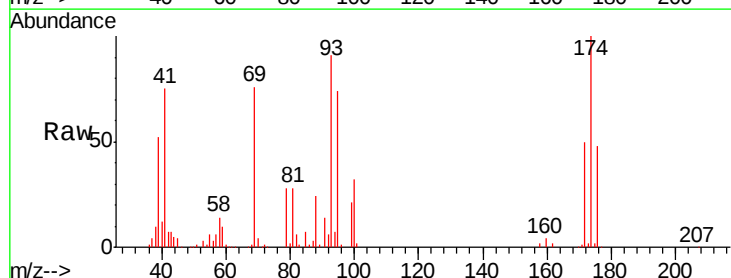
Tgt Ion: 93 Resp: 105450

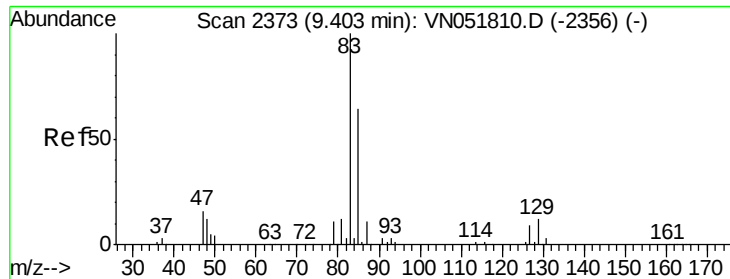
Ion Ratio Lower Upper

93 100

95 84.0 66.7 100.1

174 111.2 89.8 134.6





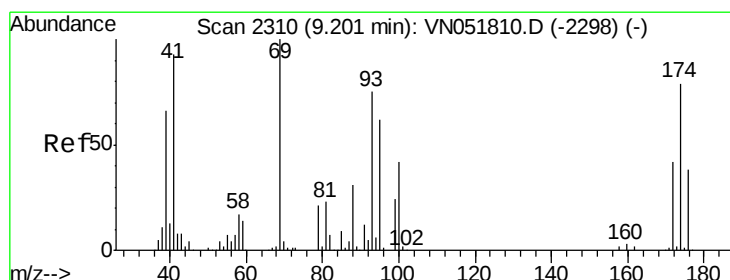
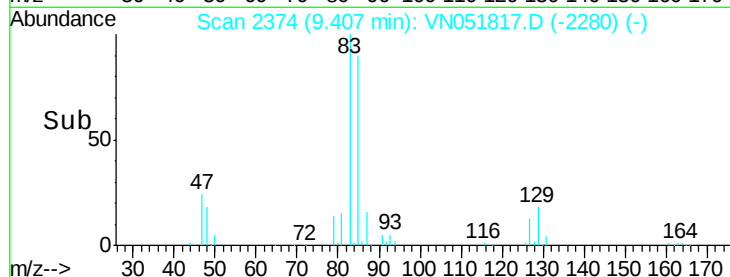
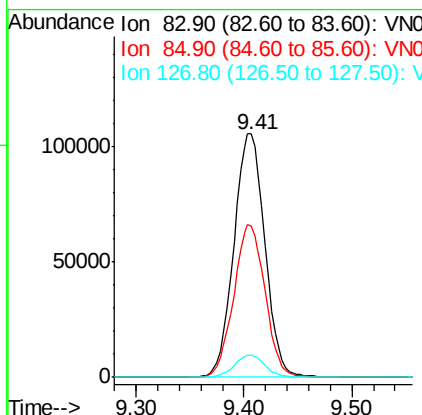
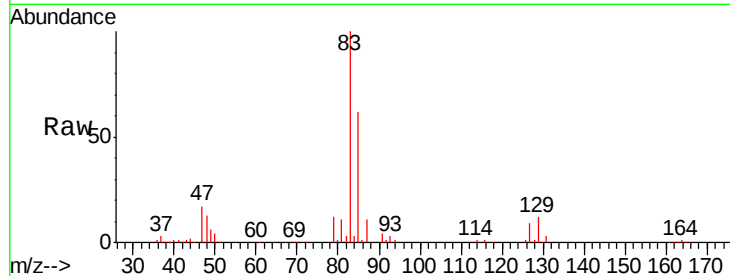
#47
Bromodichloromethane
Concen: 19.91 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.6	78.8
127	9.0	7.2	10.8

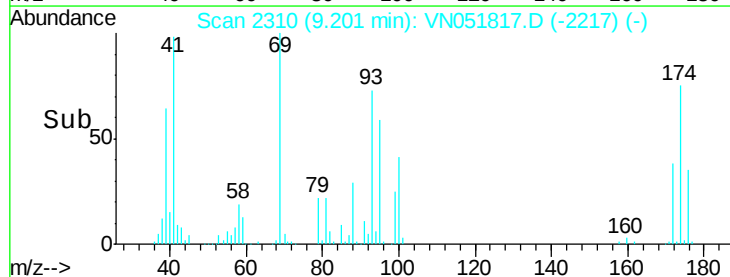
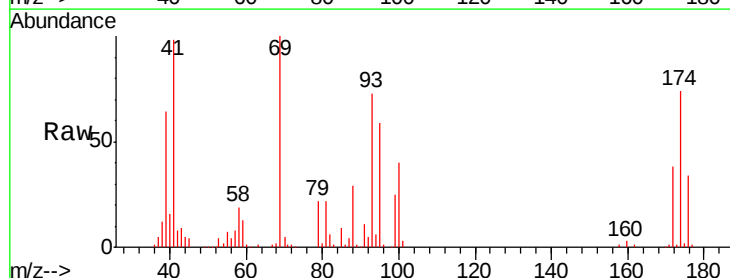
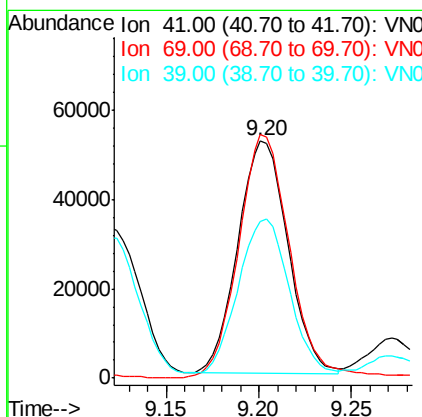
Manual Integrations
APPROVED

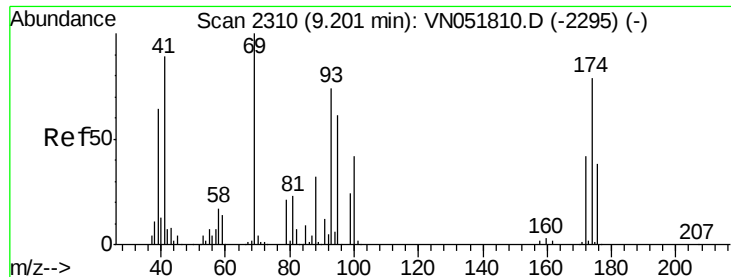
MMDadoda
10/15/2018 3:00:14 PM



#48
Methyl methacrylate
Concen: 20.92 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	106.6	74.7	112.1
39	71.0	42.2	63.2#





#49

1,4-Dioxane

Concen: 401.39 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

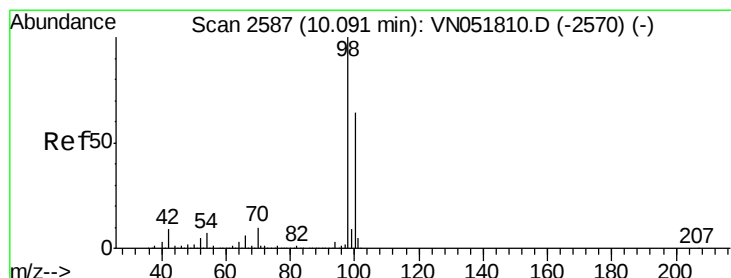
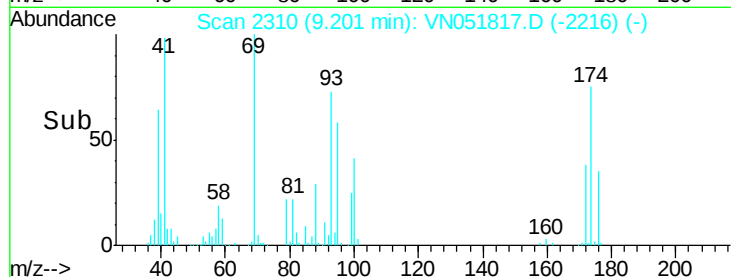
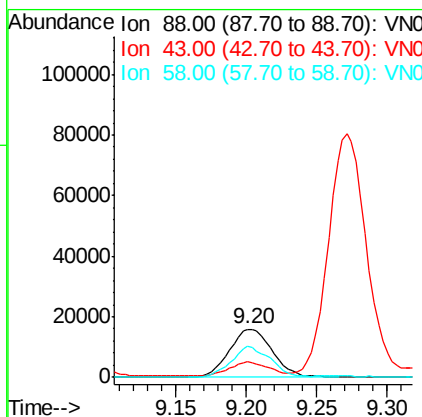
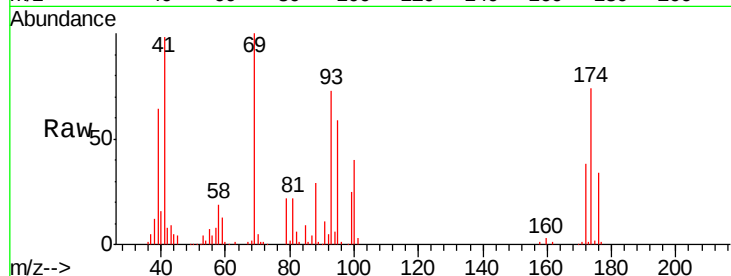
ClientSampleId :

VN1011WBS01

Tgt Ion:	88	Resp:	33969
Ion Ratio	Lower	Upper	
88	100		
43	26.8	25.9	38.9
58	58.3	55.0	82.4

Manual Integrations
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10/15/2018 3:00:14 PM



#50

Toluene-d8

Concen: 401.39 ug/l

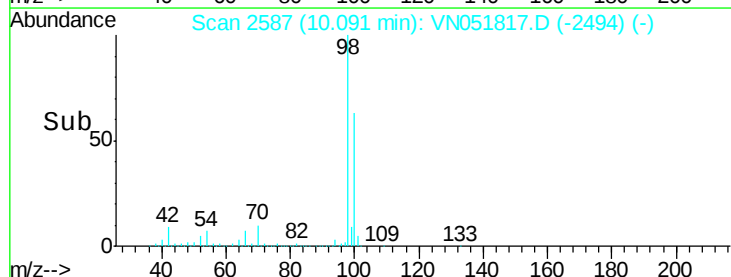
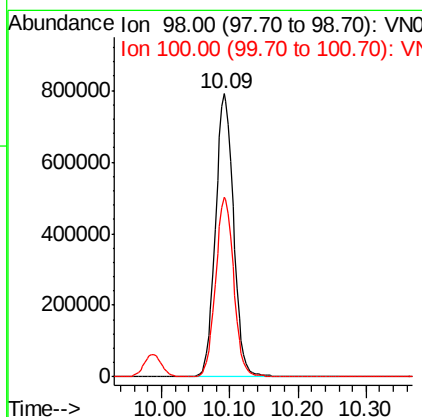
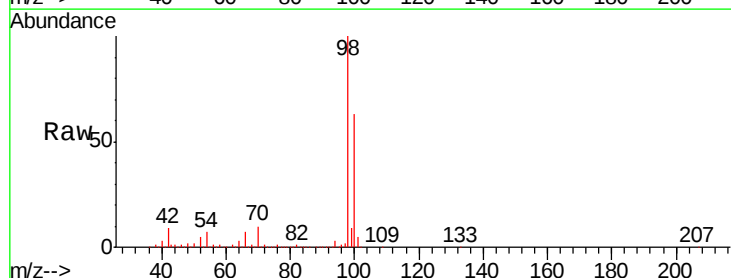
RT: 10.09 min Scan# 2587

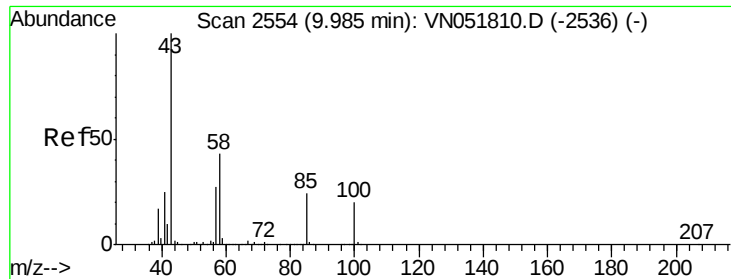
Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Tgt Ion:	98	Resp:	1456362
Ion Ratio	Lower	Upper	
98	100		
100	63.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 104.56 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 43 Resp: 569662

Ion Ratio Lower Upper

43 100

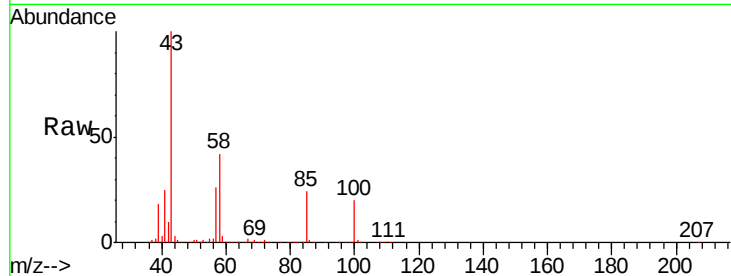
58 42.1 32.4 48.6

Manual Integrations

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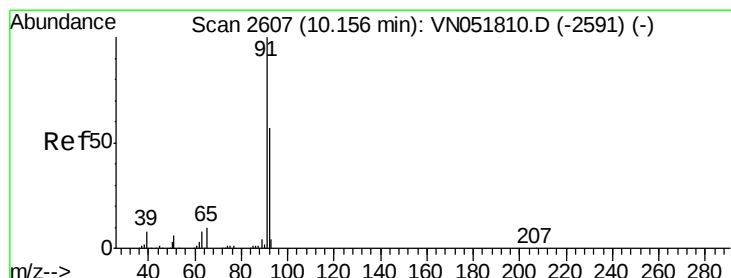
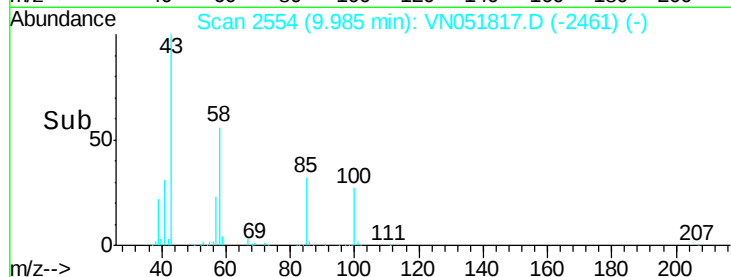
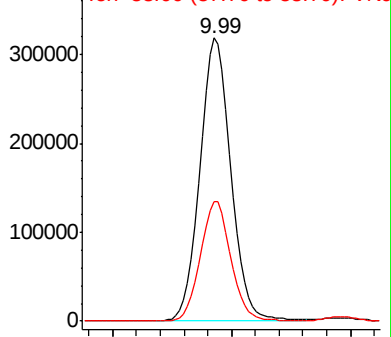
MMDadoda

10/15/2018 3:00:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.78 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051817.D

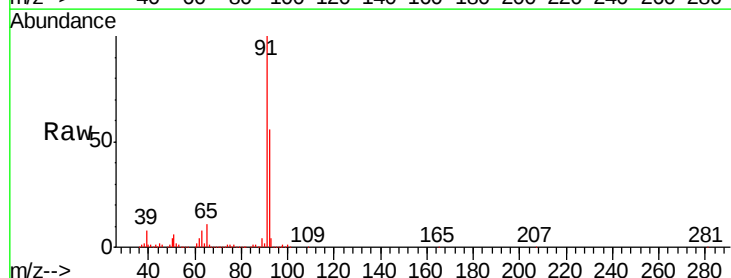
Acq: 11 Oct 2018 17:30

Tgt Ion: 92 Resp: 391771

Ion Ratio Lower Upper

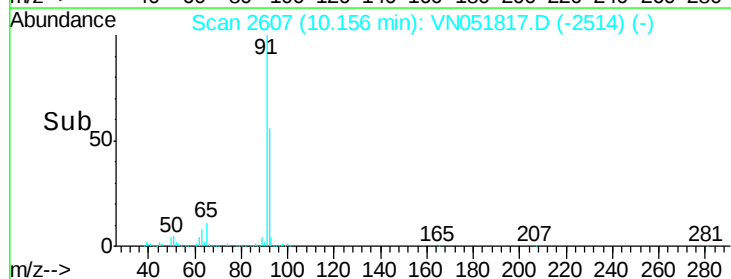
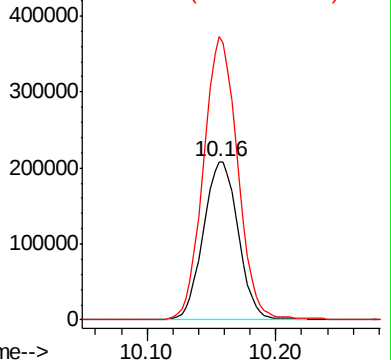
92 100

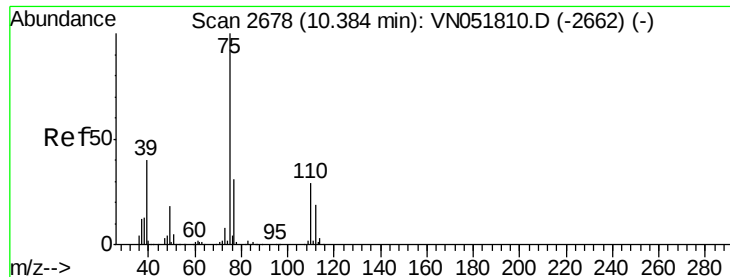
91 175.7 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





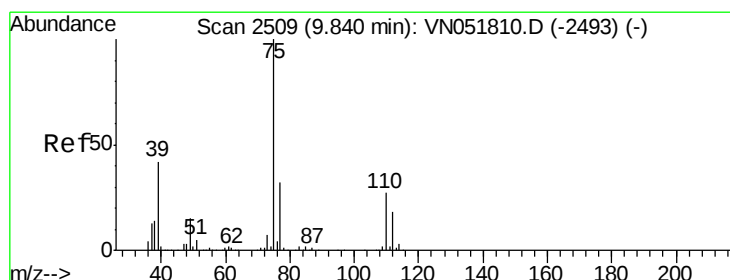
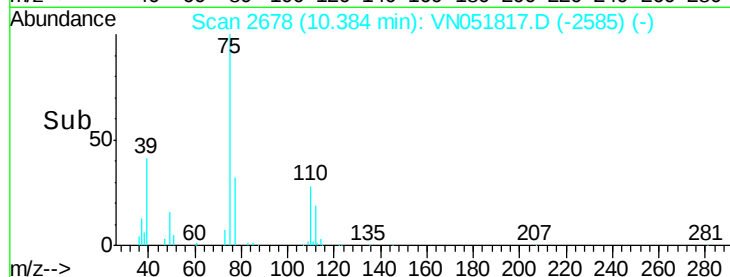
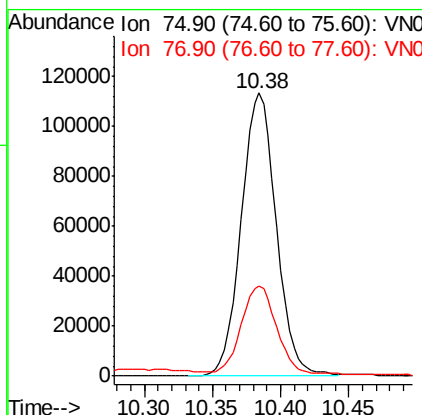
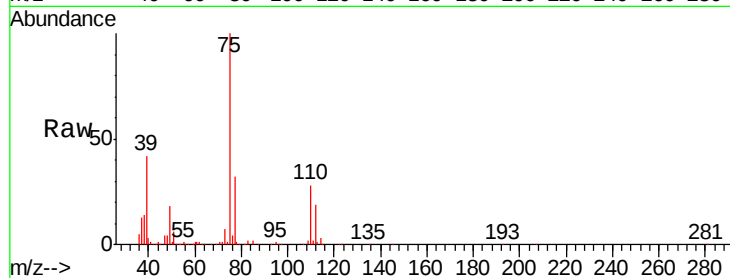
#53
t-1,3-Dichloropropene
Concen: 19.03 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 75 Resp: 202692
Ion Ratio Lower Upper
75 100
77 31.0 25.7 38.5

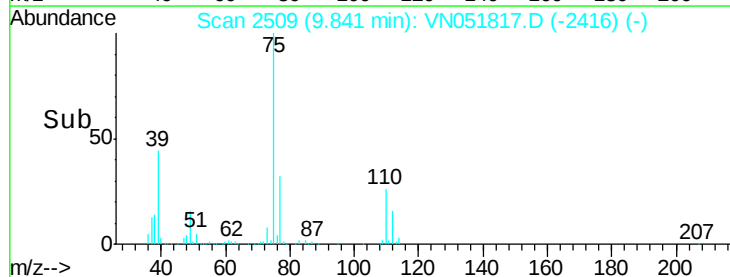
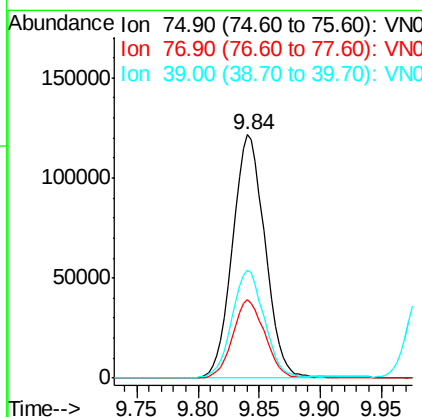
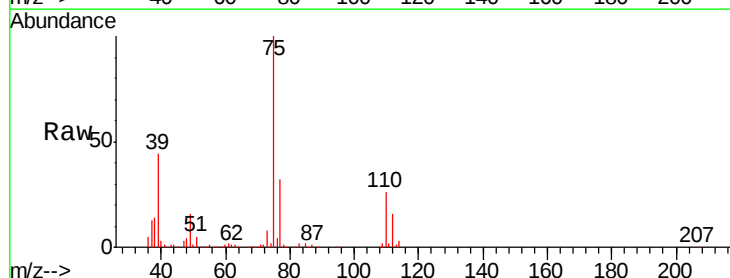
Manual Integrations
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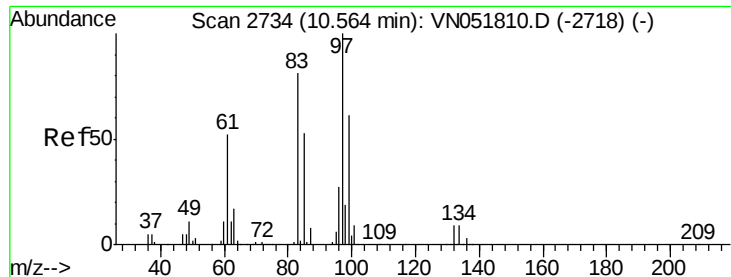
MMDadoda
10/15/2018 3:00:14 PM



#54
cis-1,3-Dichloropropene
Concen: 19.26 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 75 Resp: 225213
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2
39 44.2 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 20.01 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

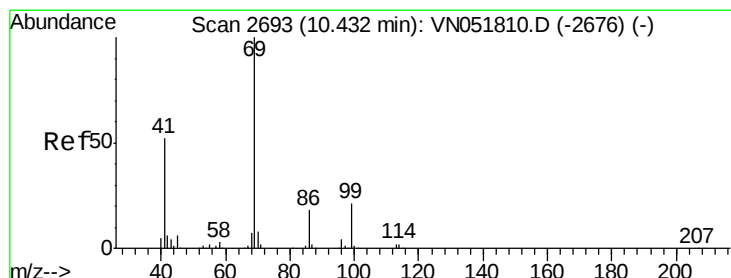
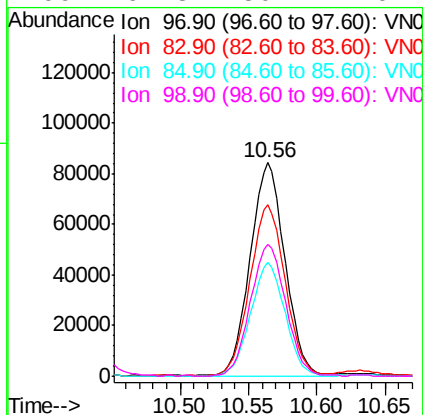
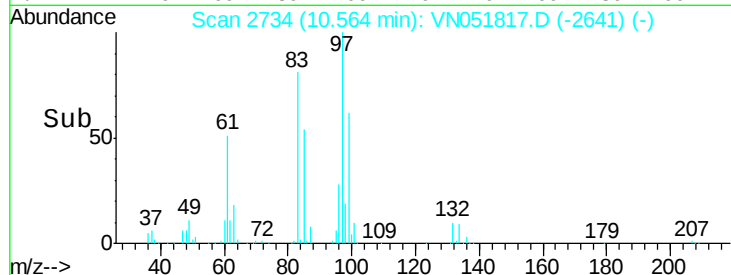
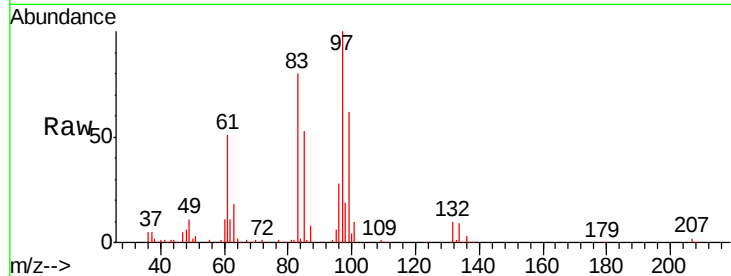
ClientSampleId :

VN1011WBS01

Tgt Ion:	97	Resp:	149057
Ion	Ratio	Lower	Upper
97	100		
83	80.2	69.7	104.5
85	53.5	44.5	66.7
99	61.8	50.7	76.1

Manual Integrations
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10/15/2018 3:00:14 PM



#56

Ethyl methacrylate

Concen: 20.72 ug/l

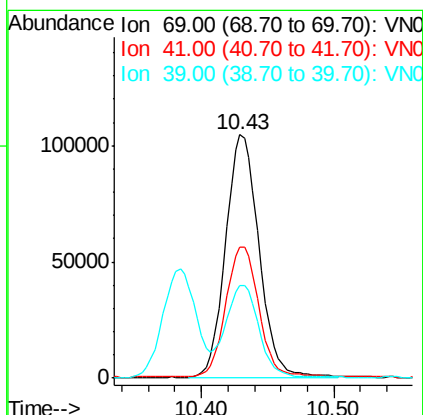
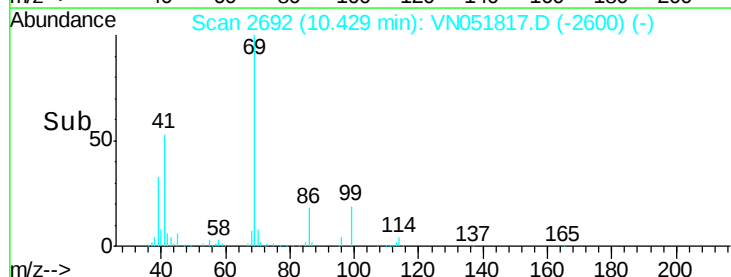
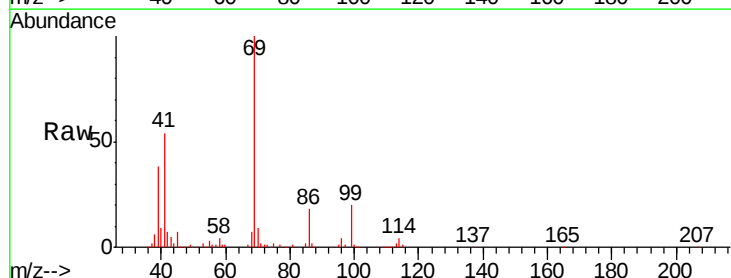
RT: 10.43 min Scan# 2692

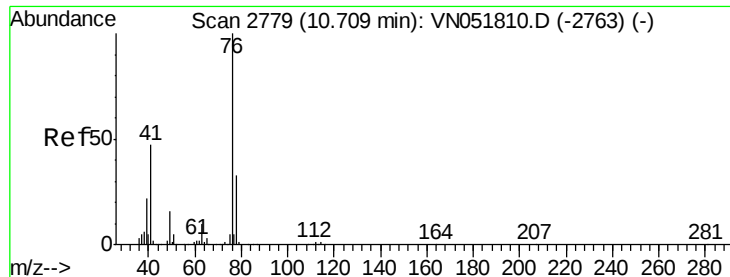
Delta R.T. -0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Tgt Ion:	69	Resp:	181724
Ion	Ratio	Lower	Upper
69	100		
41	53.3	48.3	72.5
39	38.7	24.0	36.0#





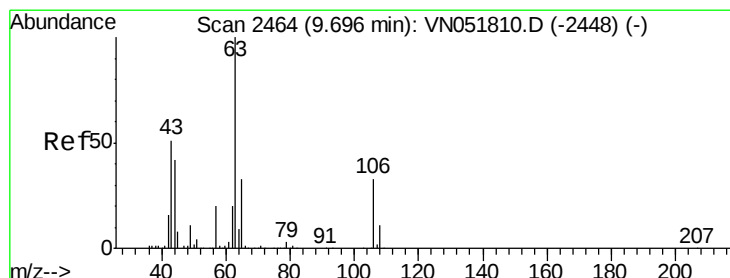
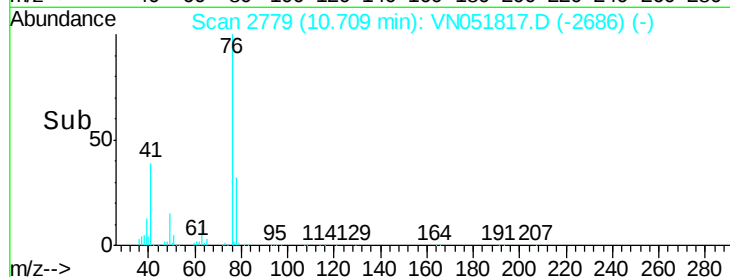
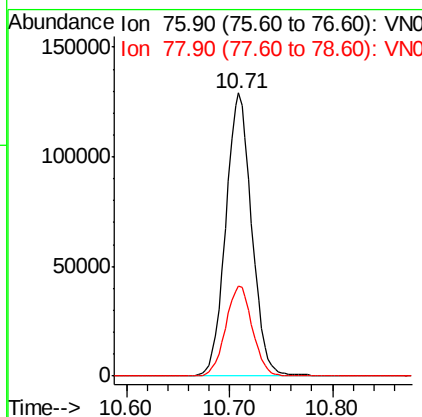
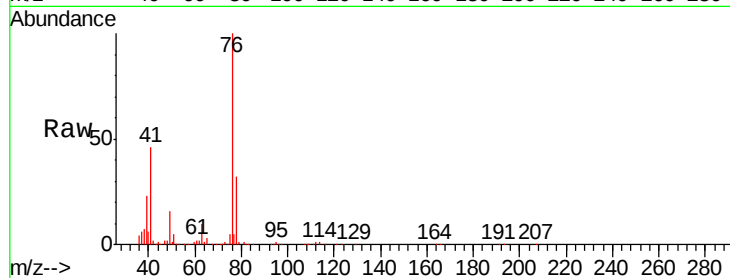
#57
 1,3-Dichloropropane
 Concen: 19.58 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.5	38.3

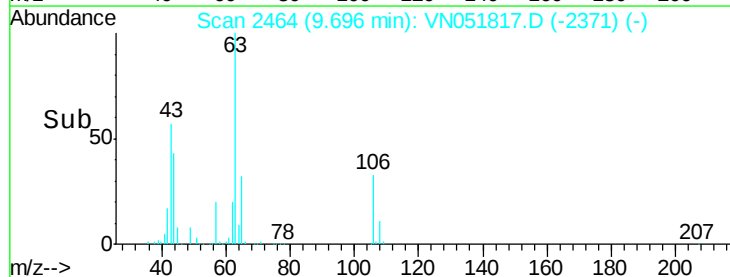
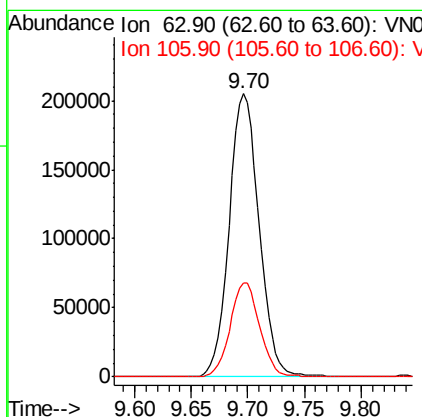
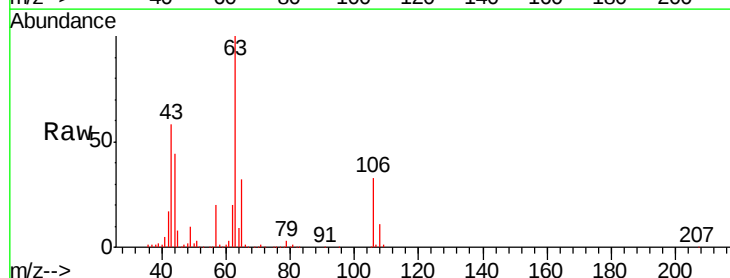
Manual Integrations
 APPROVED

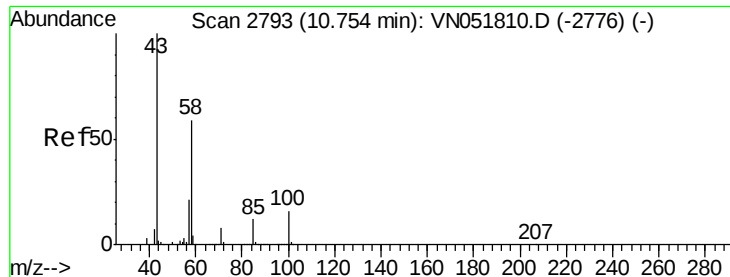
MMDadoda
 10/15/2018 3:00:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.99 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.9	21.9	32.9#





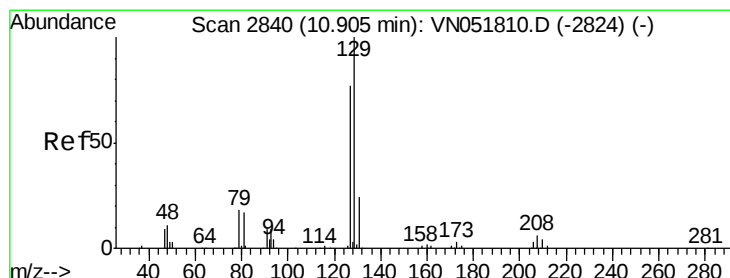
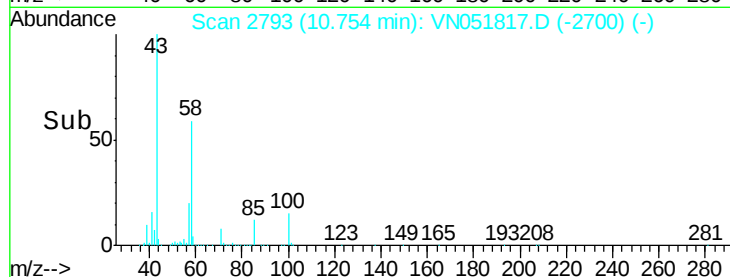
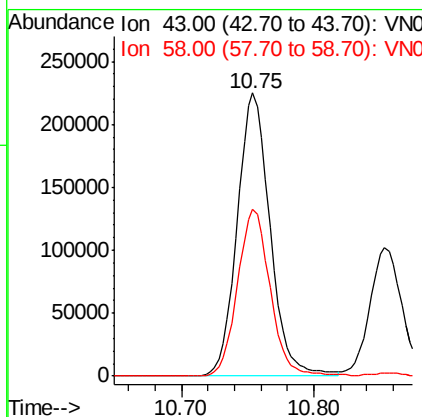
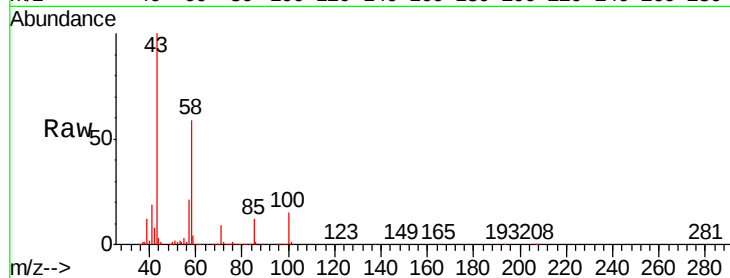
#59
2-Hexanone
Concen: 100.50 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 43 Resp: 384594
Ion Ratio Lower Upper
43 100
58 59.2 28.3 85.0

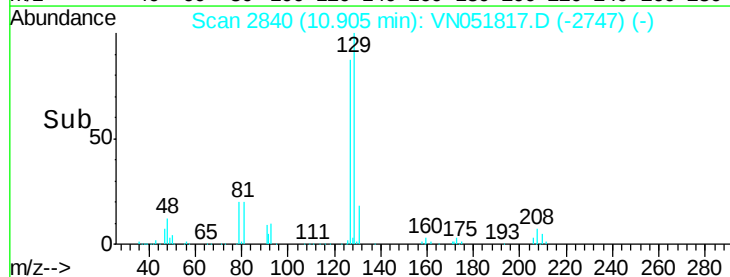
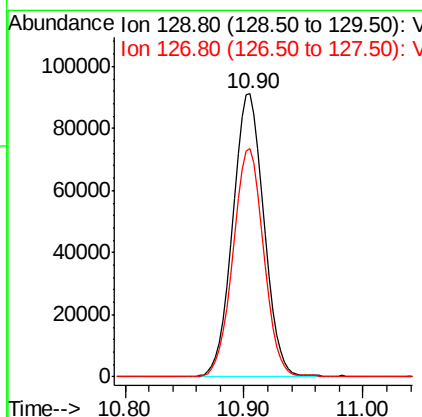
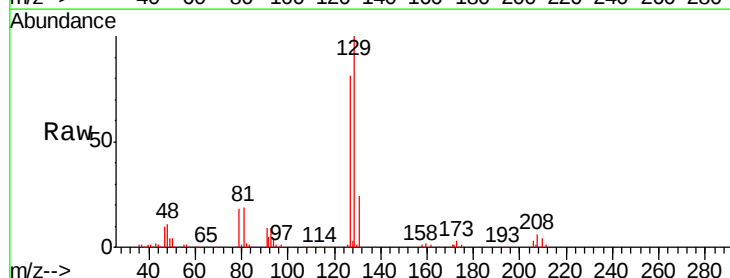
Manual Integrations
APPROVED

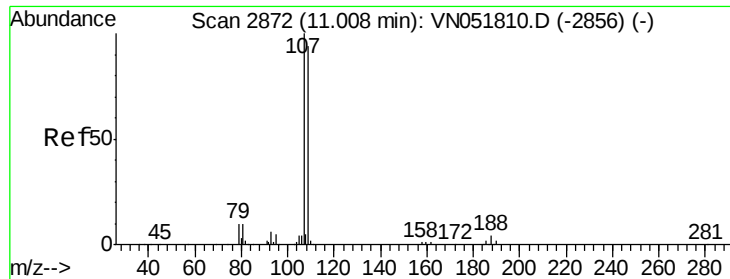
MMDadoda
10/15/2018 3:00:14 PM



#60
Dibromochloromethane
Concen: 18.81 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 129 Resp: 166332
Ion Ratio Lower Upper
129 100
127 79.2 38.3 114.9





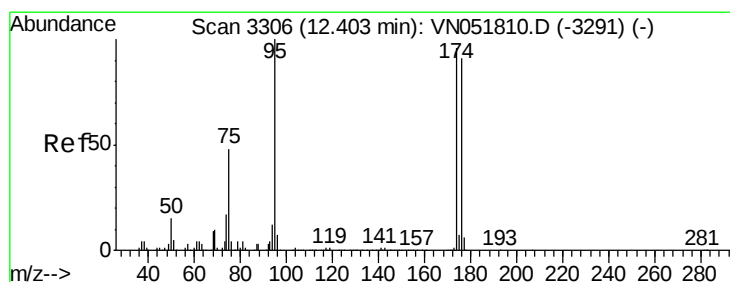
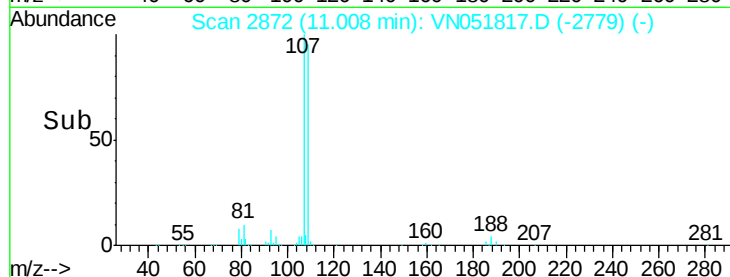
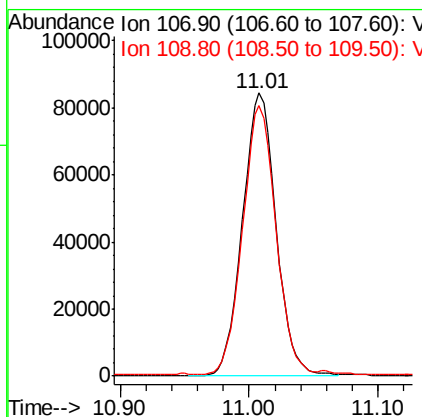
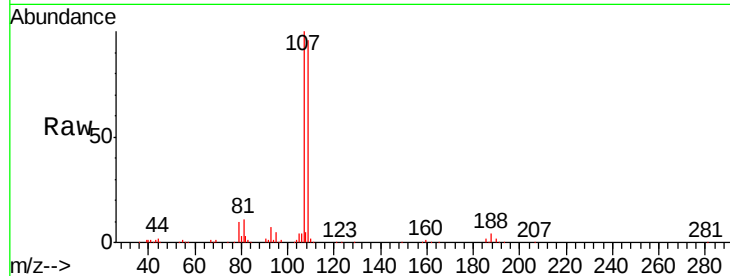
#61
1,2-Dibromoethane
Concen: 19.96 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 107 Resp: 153098
Ion Ratio Lower Upper
107 100
109 93.7 75.4 113.2

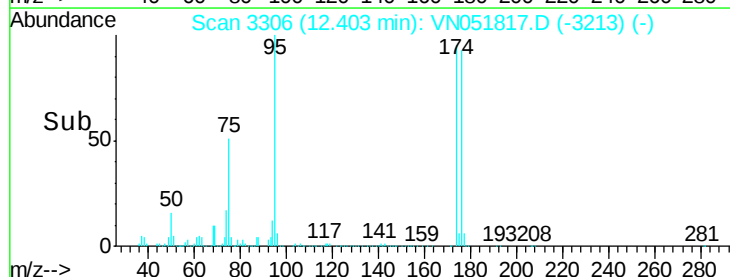
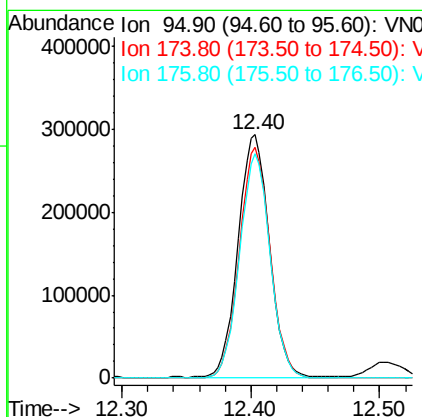
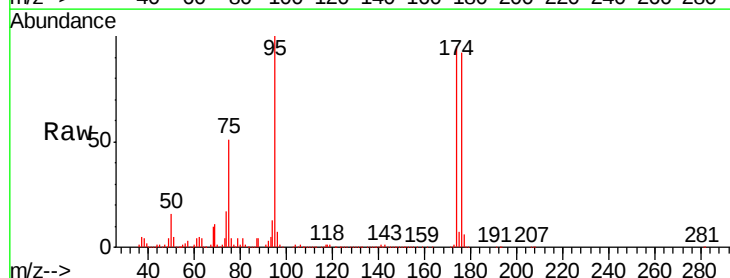
Manual Integrations
APPROVED

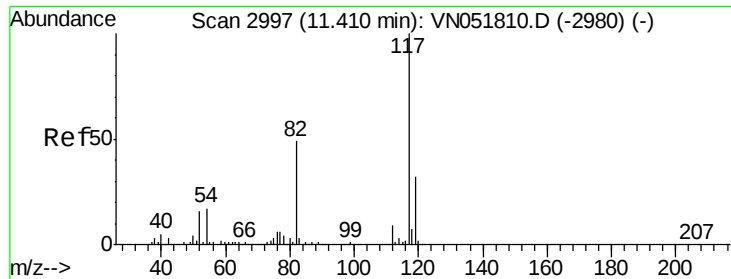
MMDadoda
10/15/2018 3:00:14 PM



#62
4-Bromofluorobenzene
Concen: 19.96 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion: 95 Resp: 492922
Ion Ratio Lower Upper
95 100
174 94.0 0.0 183.0
176 90.5 0.0 178.8





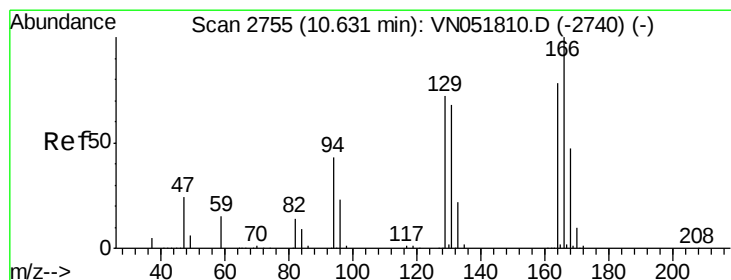
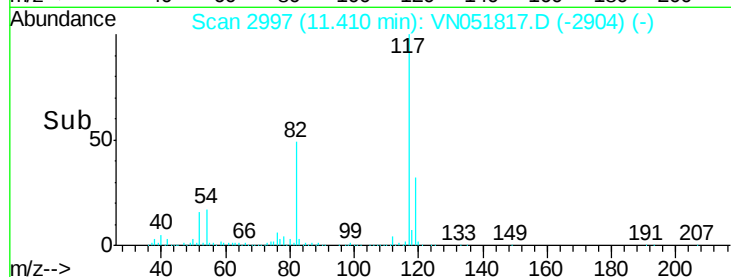
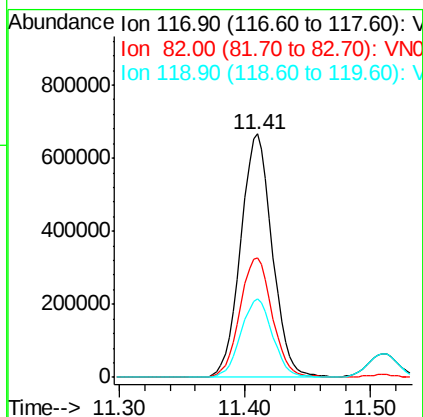
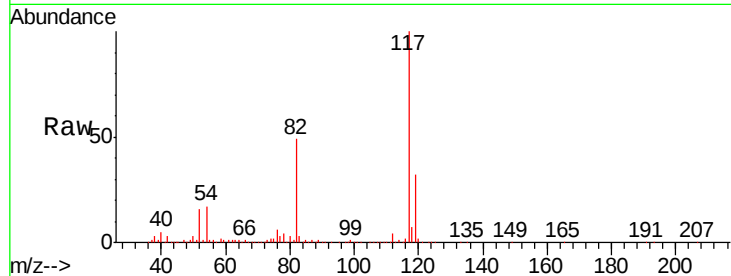
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion:117 Resp: 1166675
Ion Ratio Lower Upper
117 100
82 49.3 42.6 64.0
119 32.2 25.8 38.6

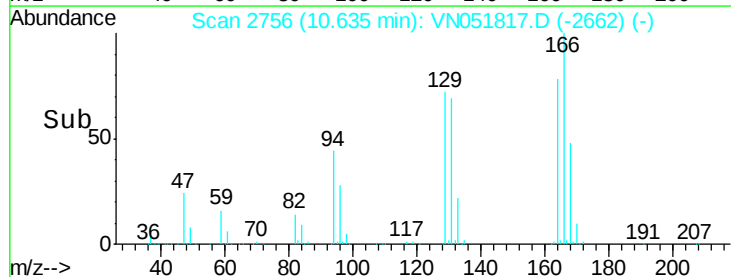
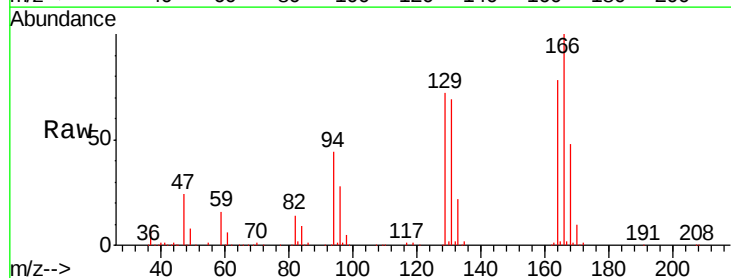
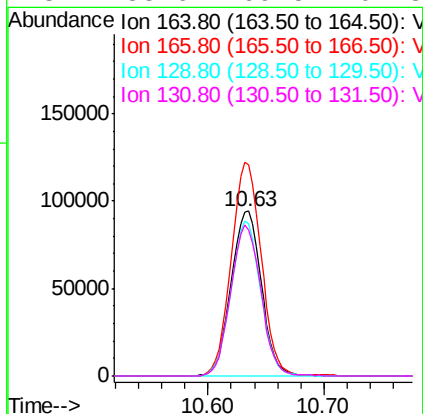
Manual Integrations
APPROVED

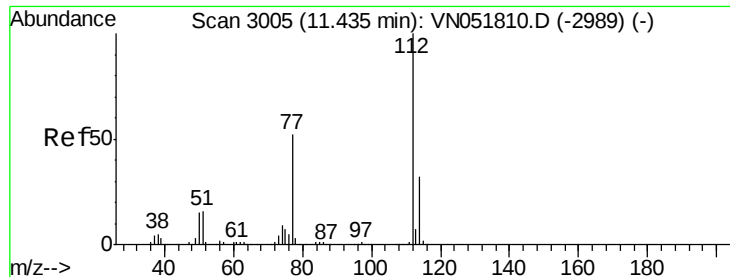
MMDadoda
10/15/2018 3:00:14 PM



#64
Tetrachloroethene
Concen: 19.08 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion:164 Resp: 170753
Ion Ratio Lower Upper
164 100
166 128.2 103.5 155.3
129 92.1 72.7 109.1
131 88.6 69.5 104.3





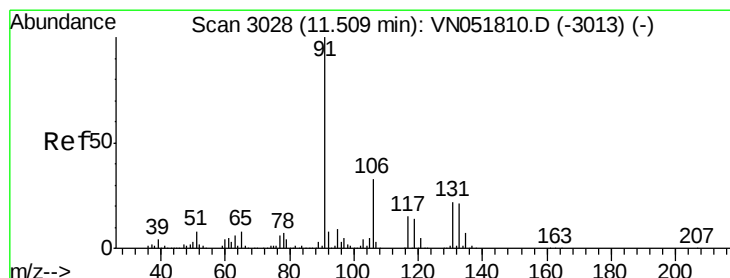
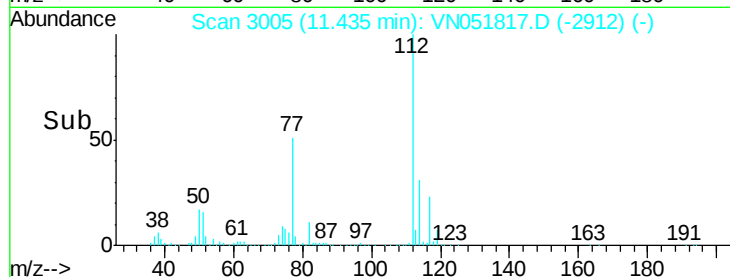
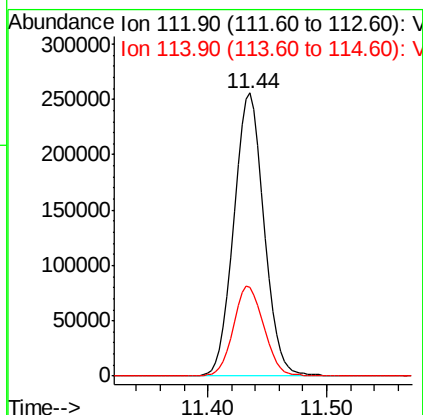
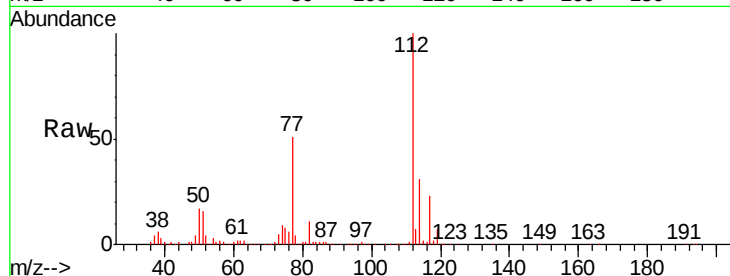
#65
Chlorobenzene
Concen: 19.05 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion:112 Resp: 449526
Ion Ratio Lower Upper
112 100
114 31.2 25.6 38.4

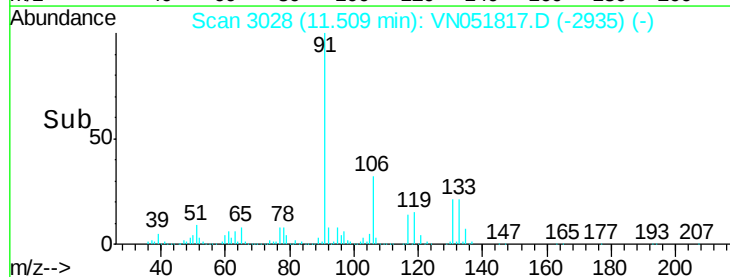
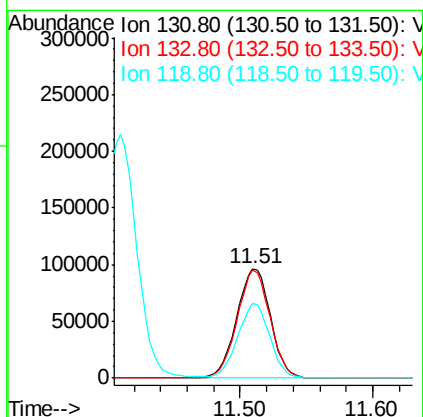
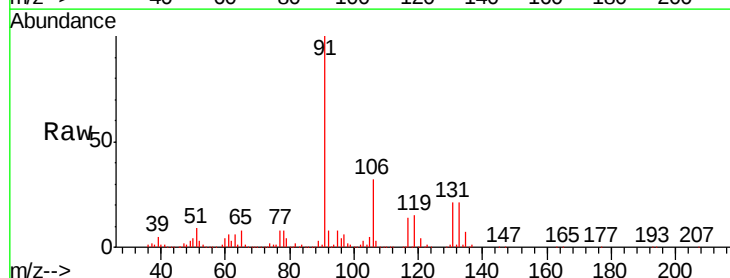
Manual Integrations
APPROVED

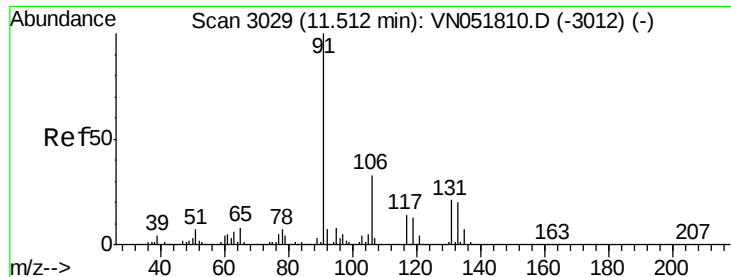
MMDadoda
10/15/2018 3:00:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.92 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion:131 Resp: 170105
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.3
119 65.5 32.8 98.4





#67

Ethyl Benzene

Concen: 19.44 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 91 Resp: 759319

Ion Ratio Lower Upper

91 100

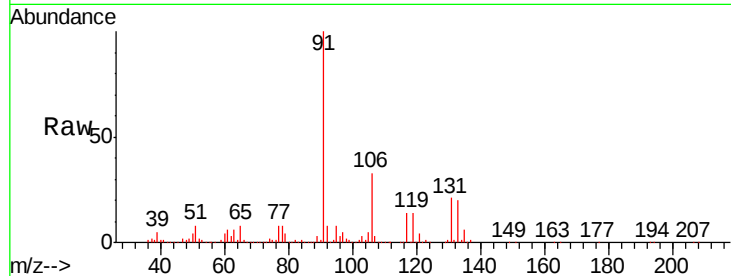
106 32.6 25.0 37.4

Manual Integrations

APPROVED

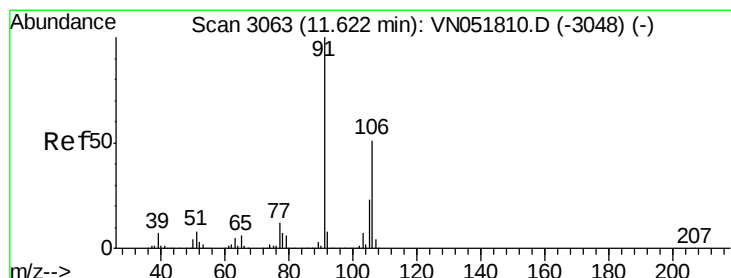
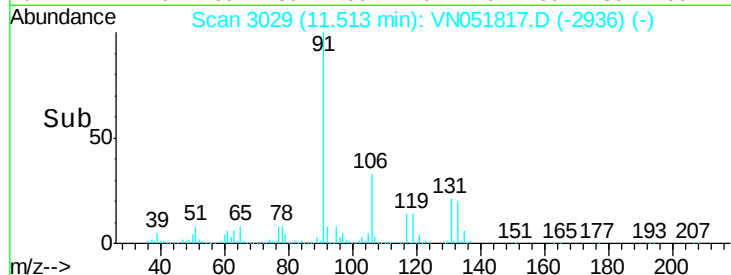
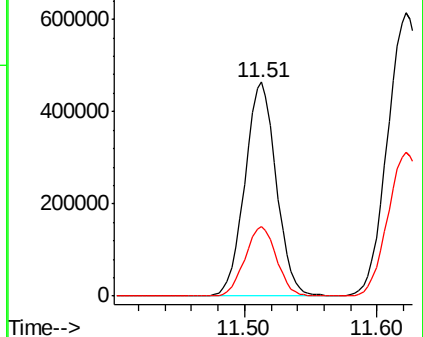
MMDadoda

10/15/2018 3:00:14 PM



Abundance Ion 91.00 (90.70 to 91.70): VN051817.D (-2936) (-)

Ion 106.00 (105.70 to 106.70): VN051817.D (-2936) (-)



#68

m/p-Xylenes

Concen: 38.00 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051817.D

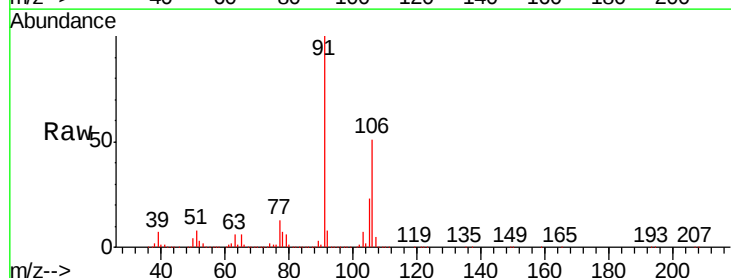
Acq: 11 Oct 2018 17:30

Tgt Ion: 106 Resp: 599490

Ion Ratio Lower Upper

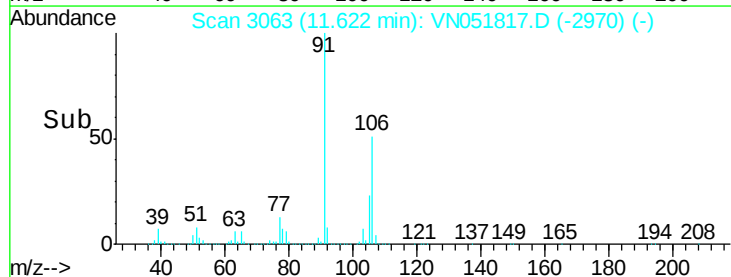
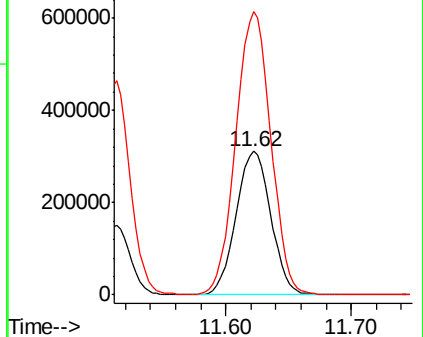
106 100

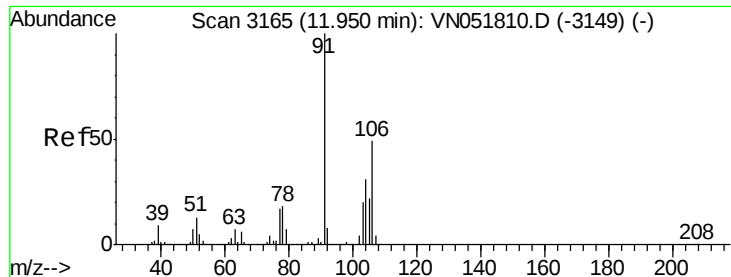
91 198.5 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): VN051817.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN051817.D (-2970) (-)





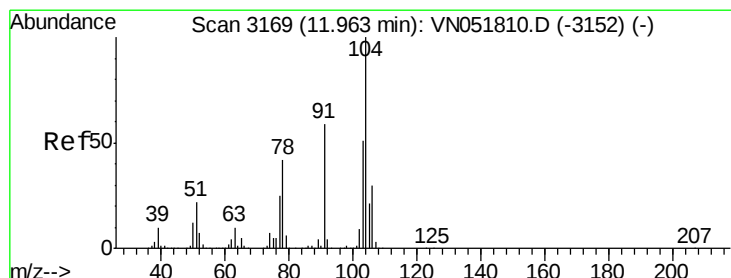
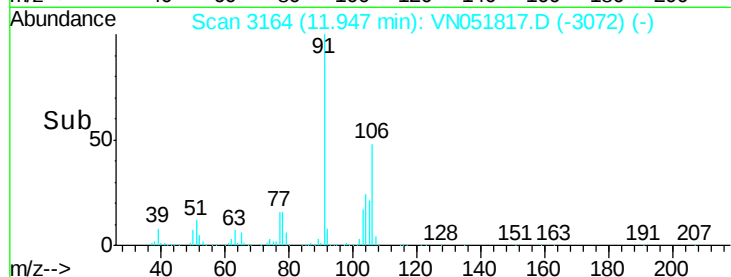
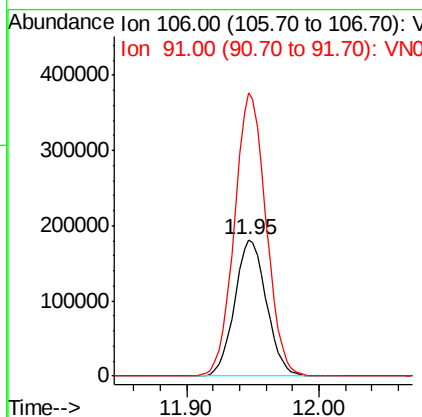
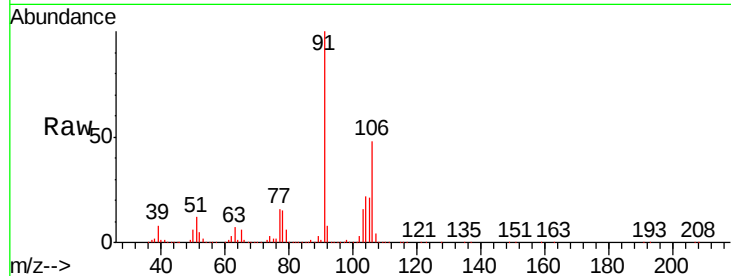
#69
o-Xylene
Concen: 19.69 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion:106 Resp: 301774
Ion Ratio Lower Upper
106 100
91 205.9 106.5 319.5

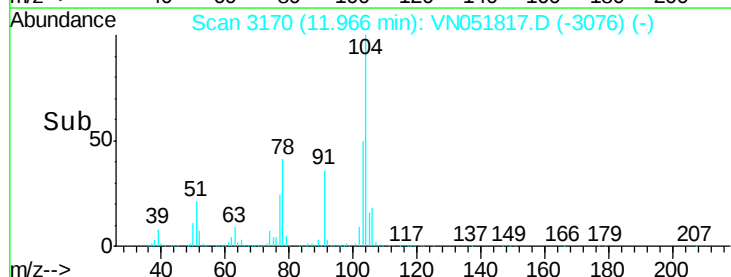
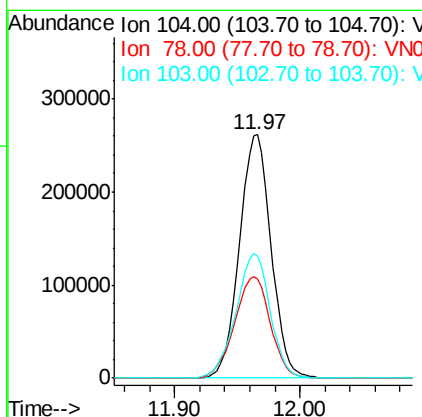
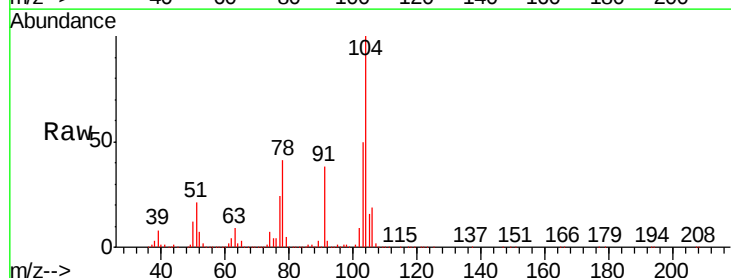
Manual Integrations
APPROVED

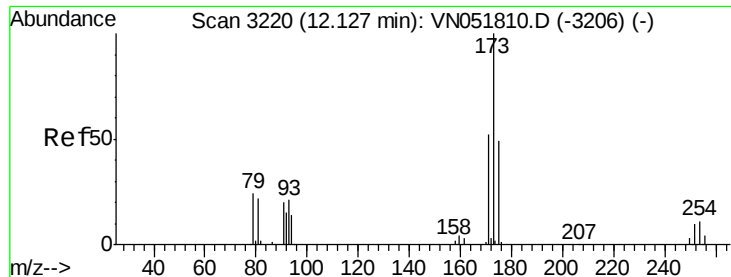
MMDadoda
10/15/2018 3:00:14 PM



#70
Styrene
Concen: 19.42 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion:104 Resp: 458989
Ion Ratio Lower Upper
104 100
78 47.2 38.2 57.4
103 55.4 44.4 66.6





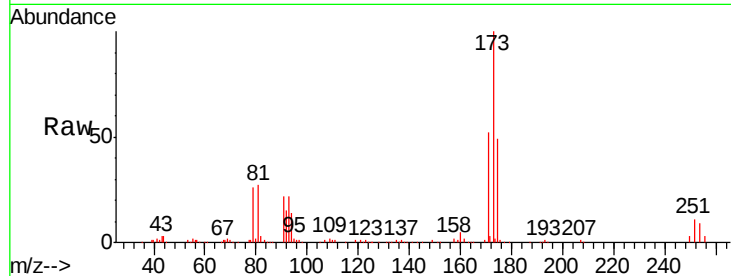
#71
Bromoform
Concen: 17.97 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.1	0.1	0.1

Manual Integrations
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MMDadoda
10/15/2018 3:00:14 PM

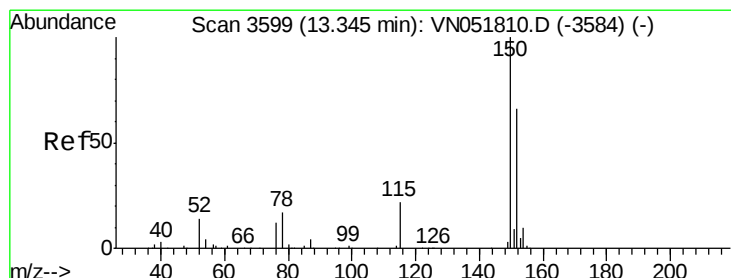
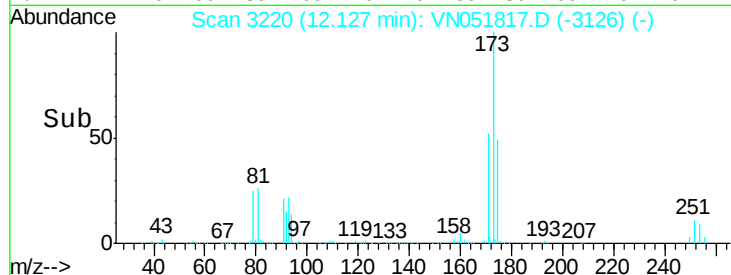
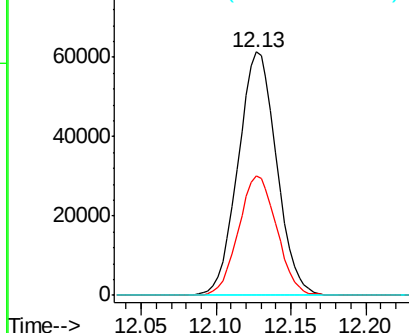


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

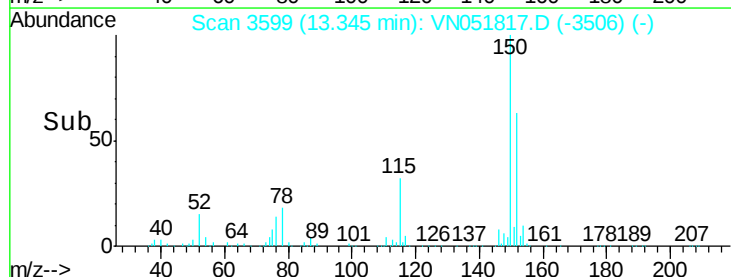
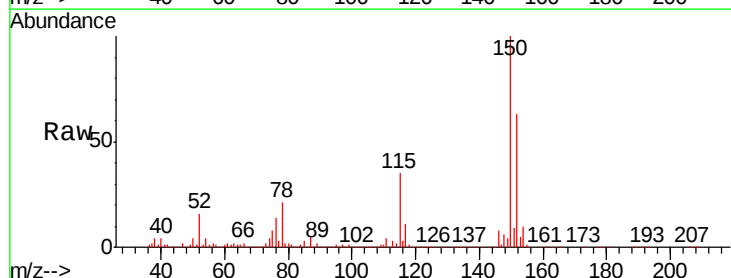
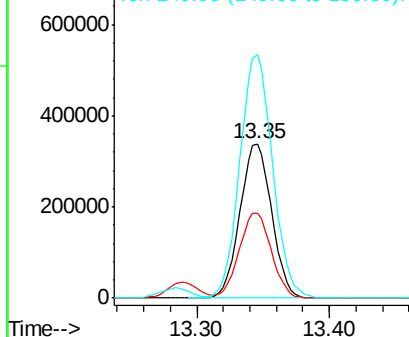
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.4
150	163.5	0.0	351.4

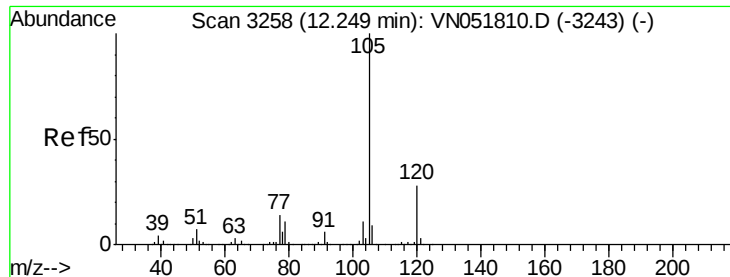
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.59 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 105 Resp: 801590

Ion Ratio Lower Upper

105 100

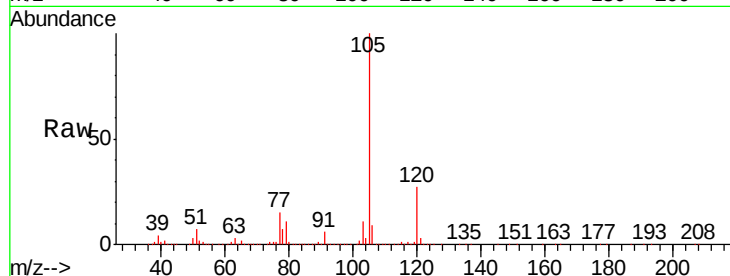
120 27.3 13.5 40.4

Manual Integrations

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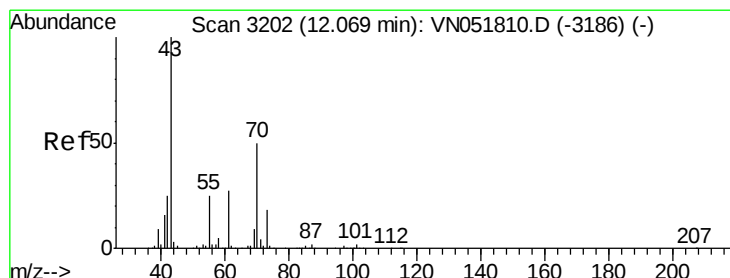
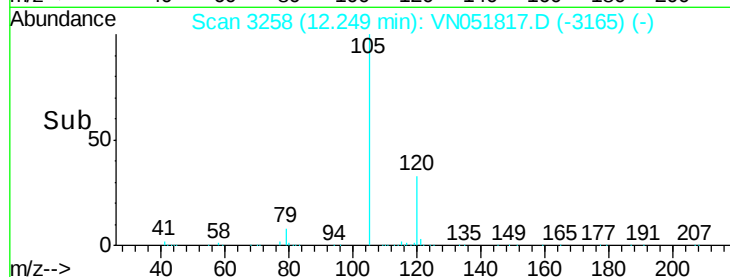
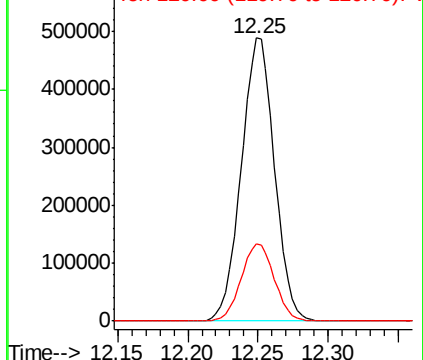
MMDadoda

10/15/2018 3:00:14 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.84 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Tgt Ion: 43 Resp: 186764

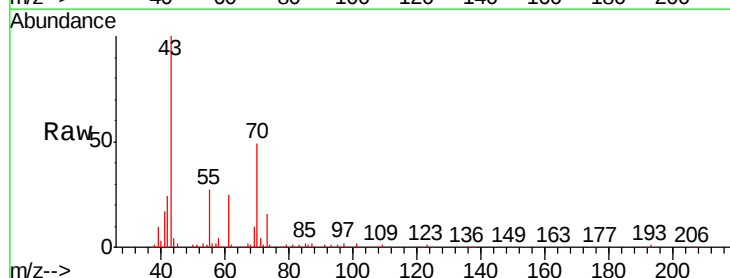
Ion Ratio Lower Upper

43 100

70 49.6 36.2 54.2

55 26.5 21.8 32.8

61 25.8 20.5 30.7

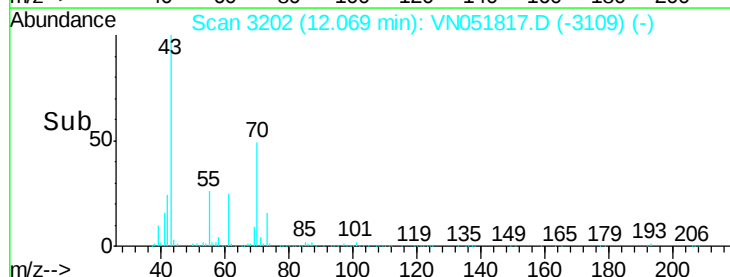
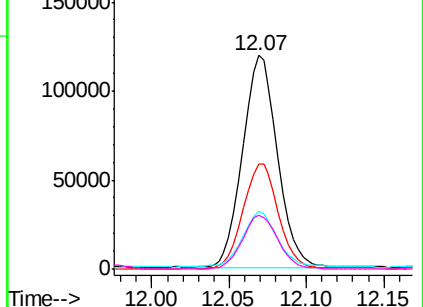


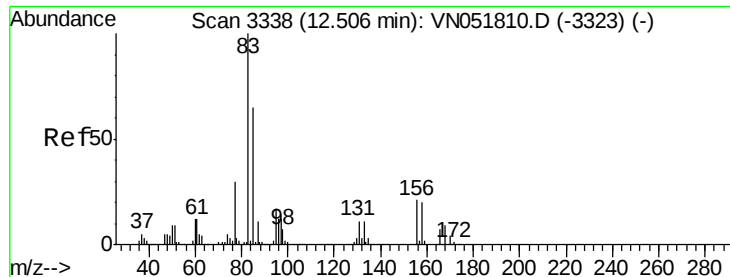
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.16 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 83 Resp: 181495
Ion Ratio Lower Upper

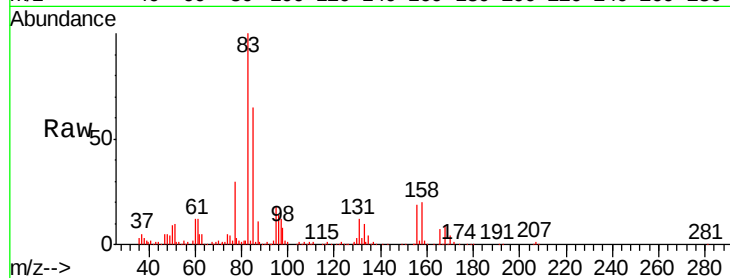
83 100

131 12.5 5.3 15.9

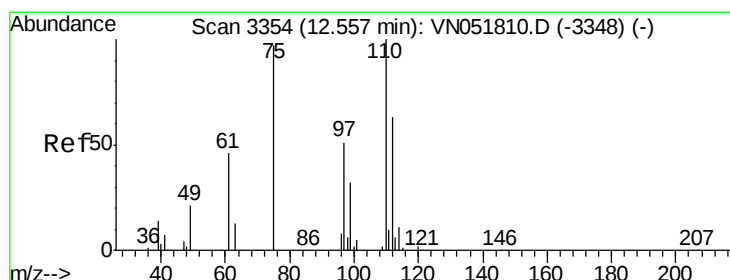
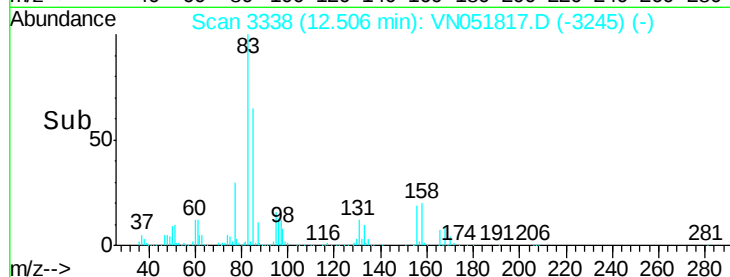
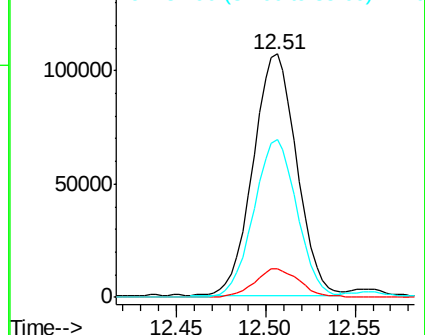
85 64.8 31.9 95.7

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 21.47 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

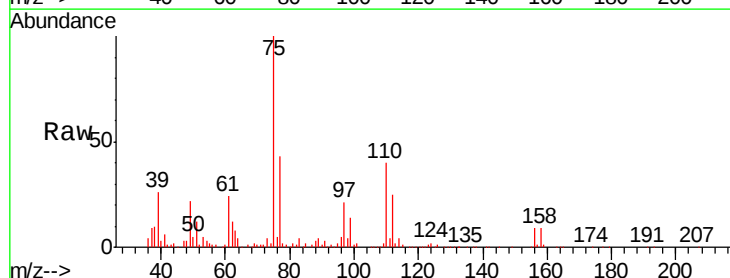
Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

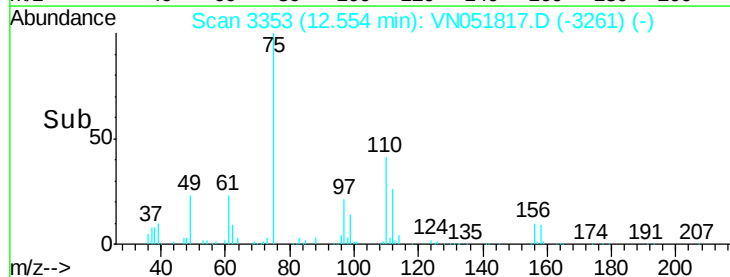
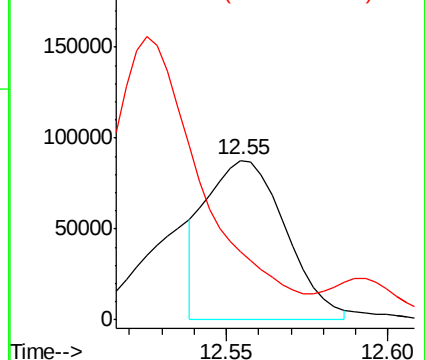
Tgt Ion: 75 Resp: 150013
Ion Ratio Lower Upper

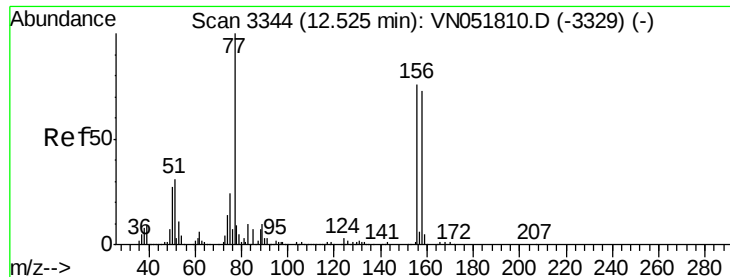
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 18.49 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

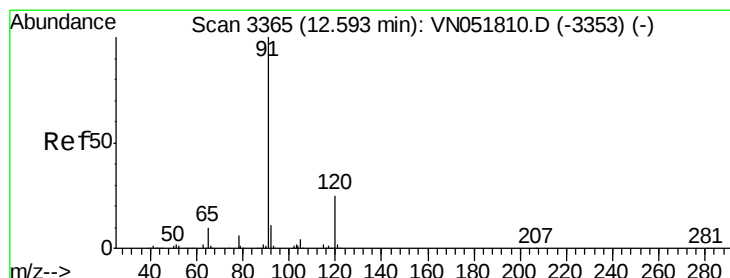
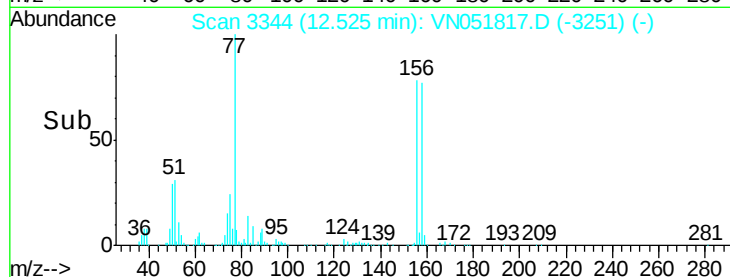
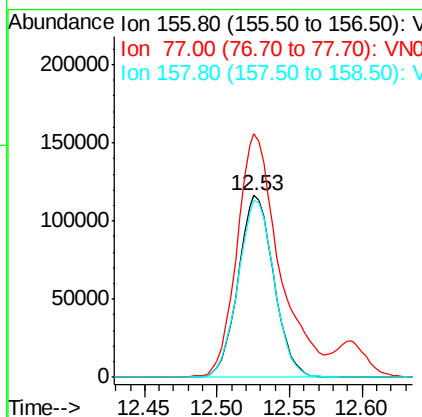
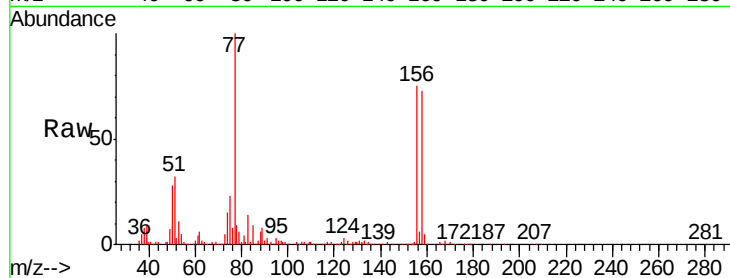
ClientSampleId :

VN1011WBS01

Tgt Ion:	156	Resp:	198761
Ion Ratio	Lower	Upper	
156	100		
77	157.9	89.9	269.7
158	98.4	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.20 ug/l

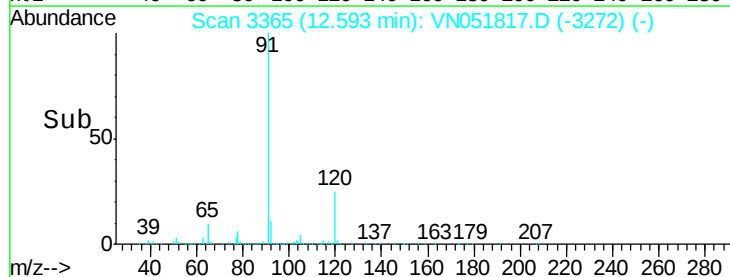
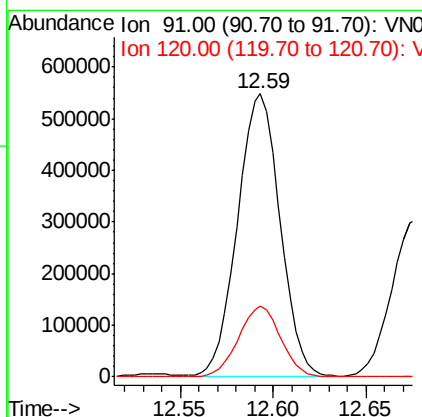
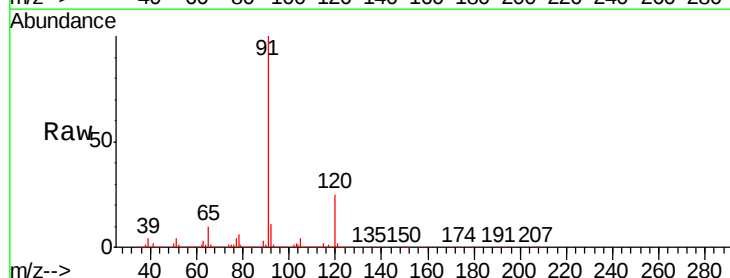
RT: 12.59 min Scan# 3365

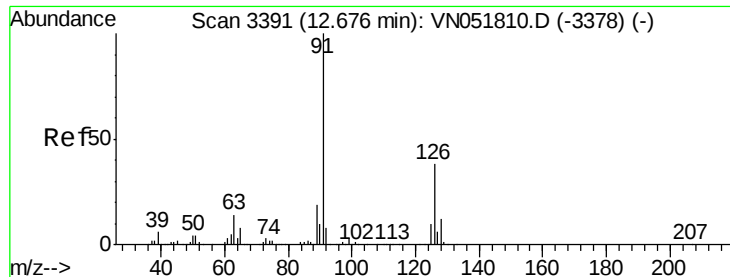
Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Tgt Ion:	91	Resp:	866957
Ion Ratio	Lower	Upper	
91	100		
120	25.0	11.7	35.0





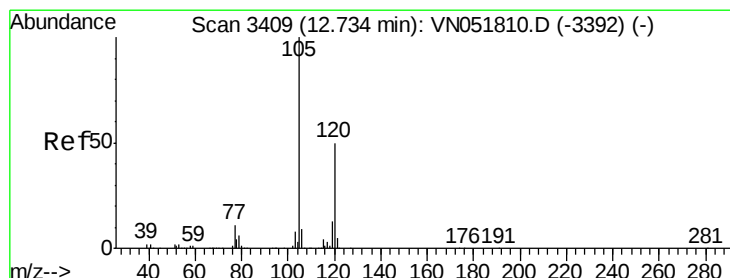
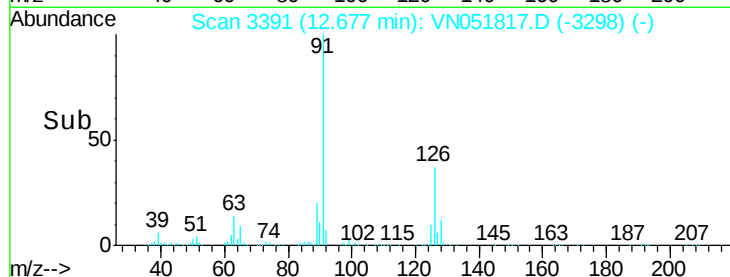
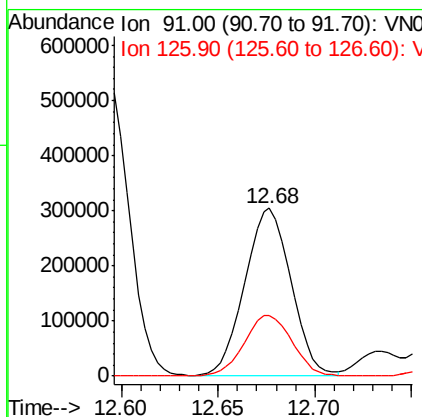
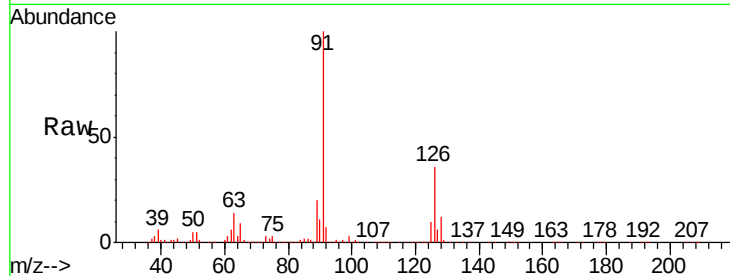
#79
 2-Chlorotoluene
 Concen: 18.53 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion: 91 Resp: 504133
 Ion Ratio Lower Upper
 91 100
 126 37.6 17.8 53.3

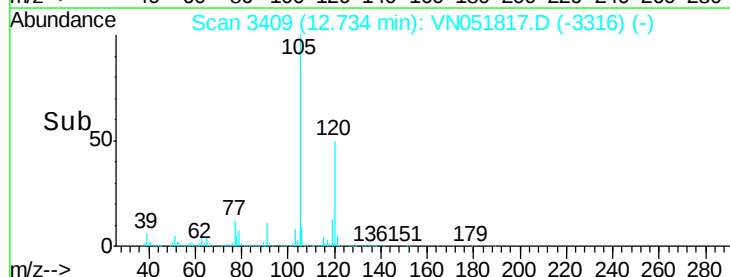
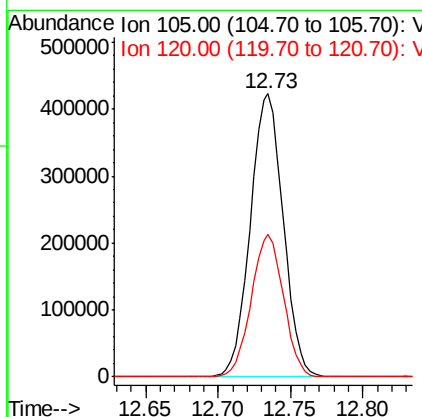
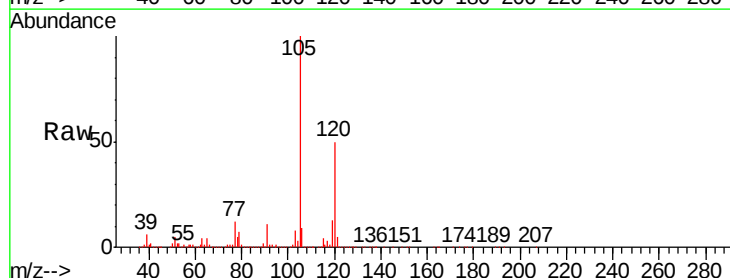
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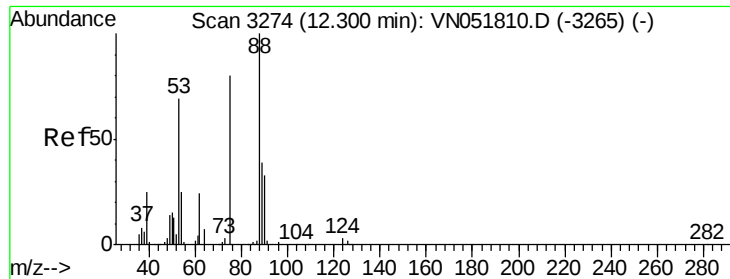
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.96 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion: 105 Resp: 666110
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.88 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

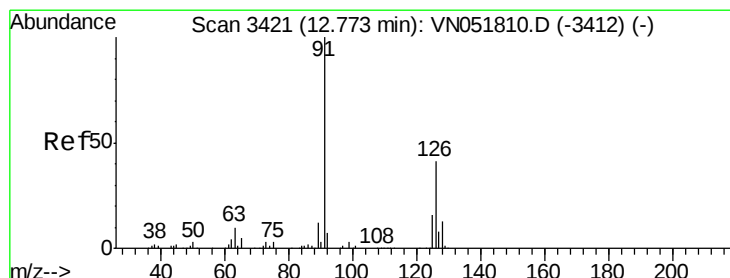
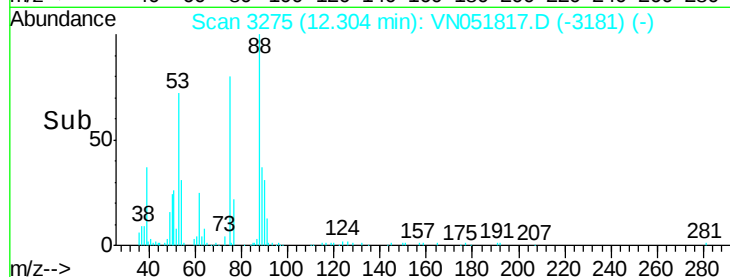
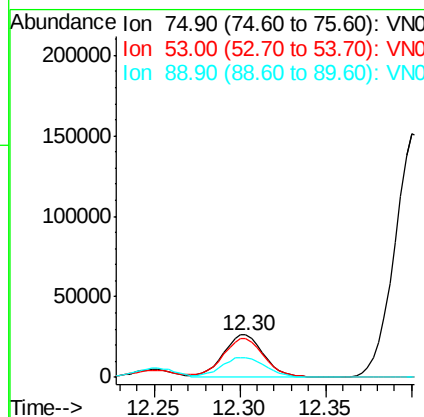
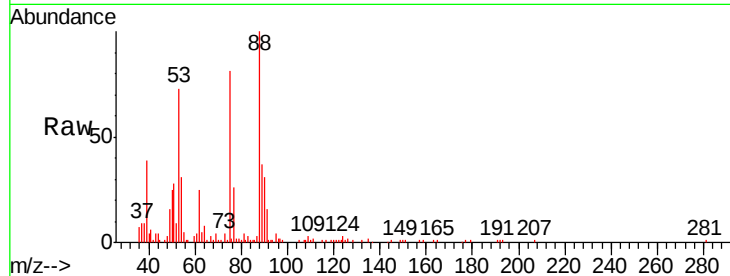
ClientSampleId :

VN1011WBS01

Tgt Ion:	75	Resp:	43460
Ion	Ratio	Lower	Upper
75	100		
53	91.7	68.9	103.3
89	49.9	36.1	54.1

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#82

4-Chlorotoluene

Concen: 19.22 ug/l

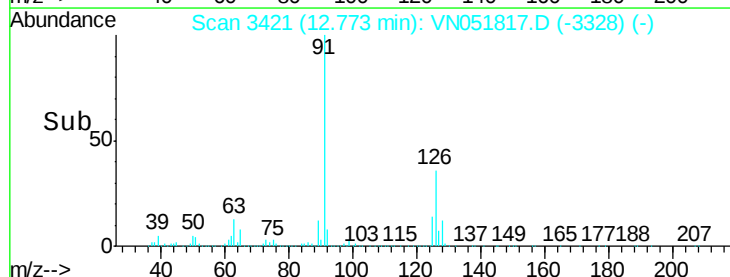
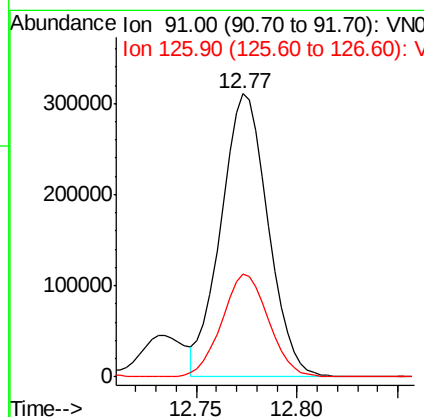
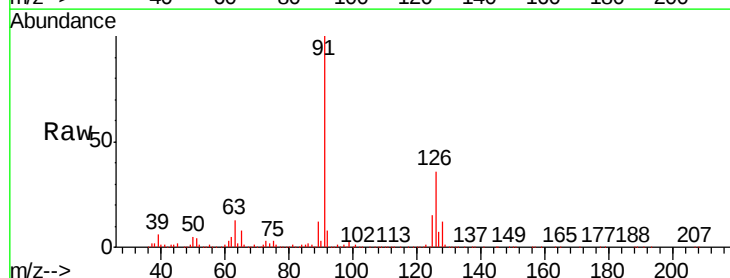
RT: 12.77 min Scan# 3421

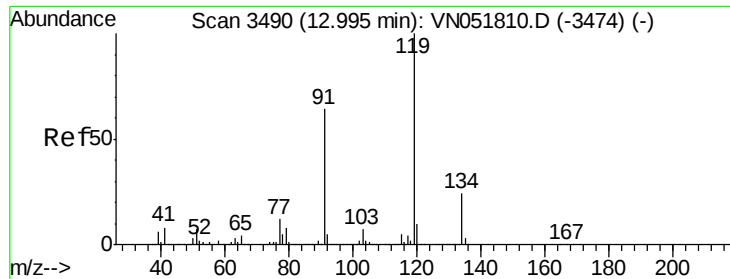
Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Tgt Ion:	91	Resp:	502297
Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.5	52.5





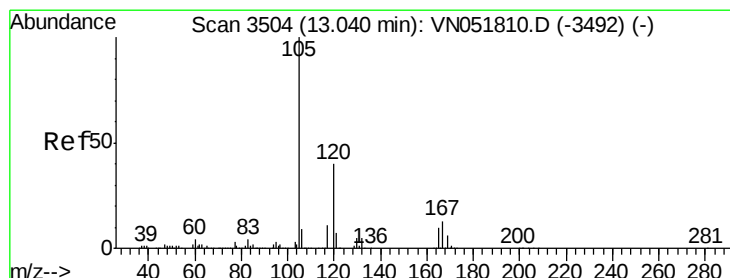
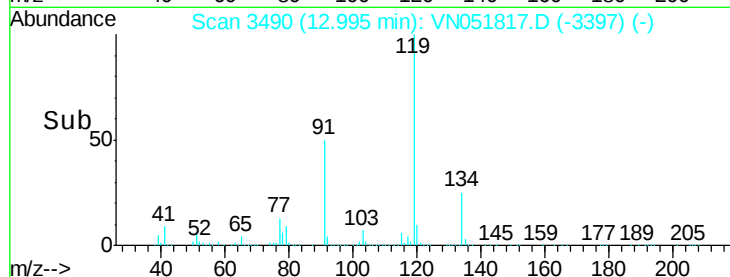
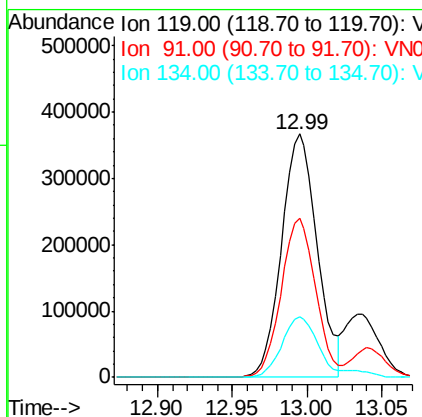
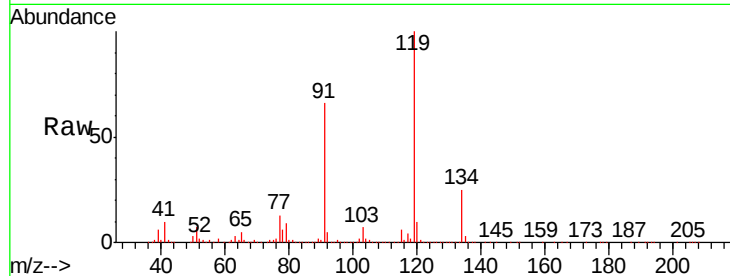
#83
 tert-Butylbenzene
 Concen: 18.53 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	603923		
91	63.6		31.6	94.7
134	27.1		13.4	40.1

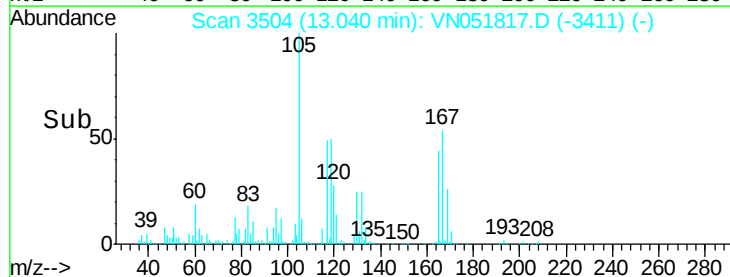
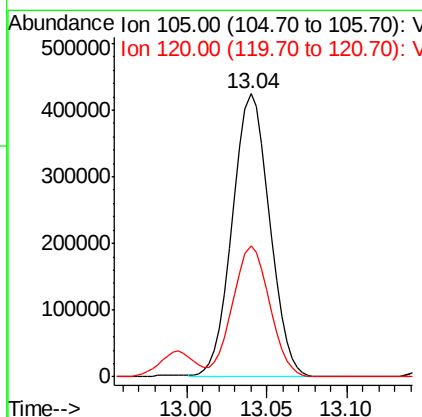
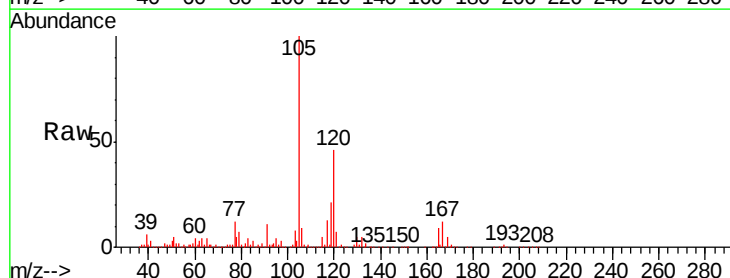
Manual Integrations
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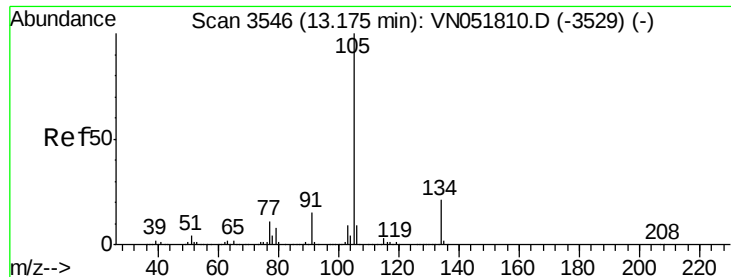
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.19 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	671197		
120	46.5		22.9	68.8





#85

sec-Butylbenzene

Concen: 19.09 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion:105 Resp: 805801

Ion Ratio Lower Upper

105 100

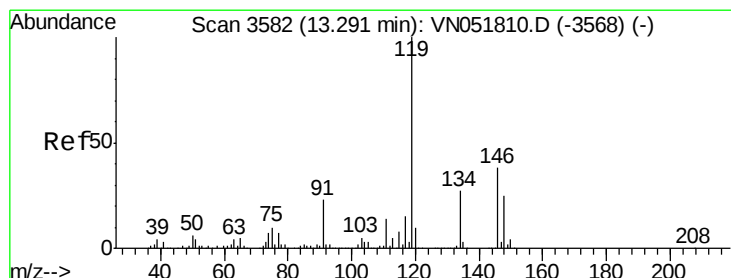
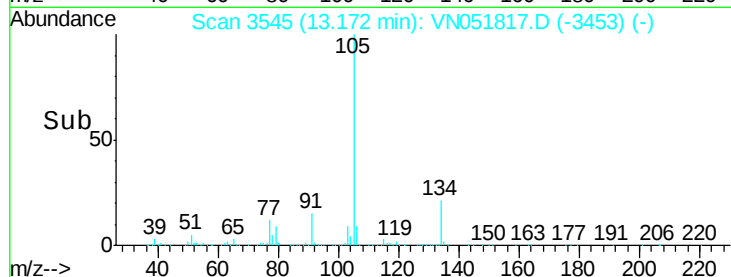
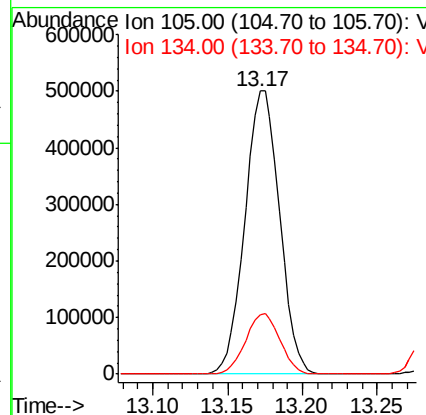
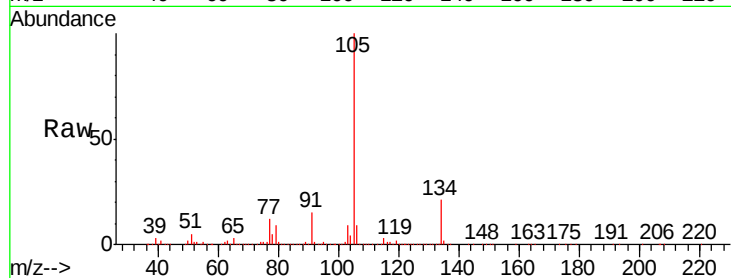
134 21.3 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.65 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

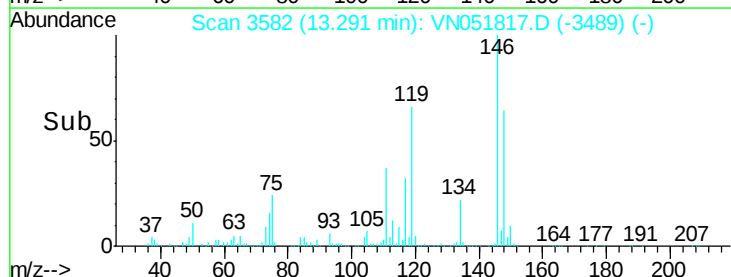
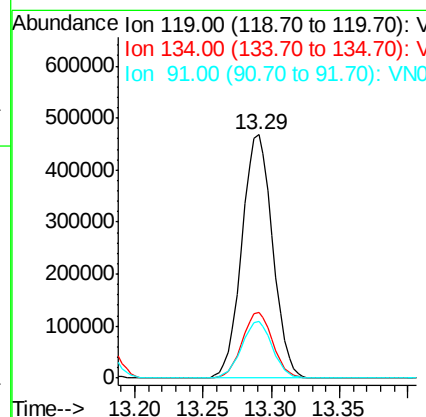
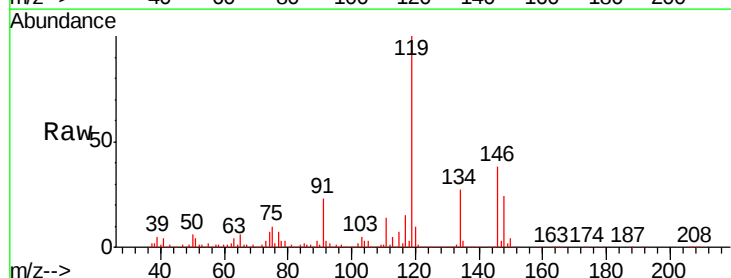
Tgt Ion:119 Resp: 729377

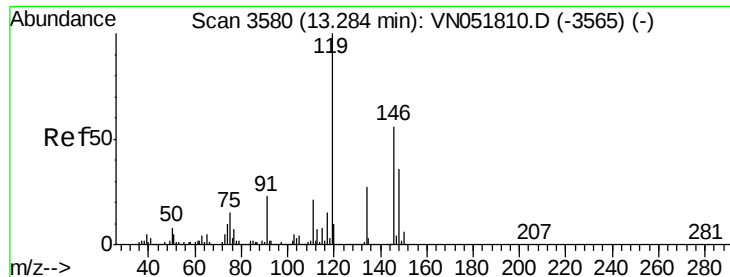
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

91 22.8 11.2 33.5





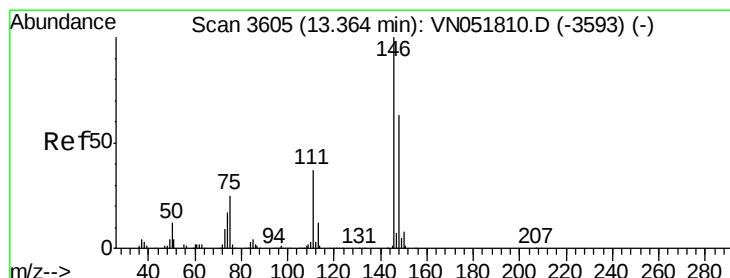
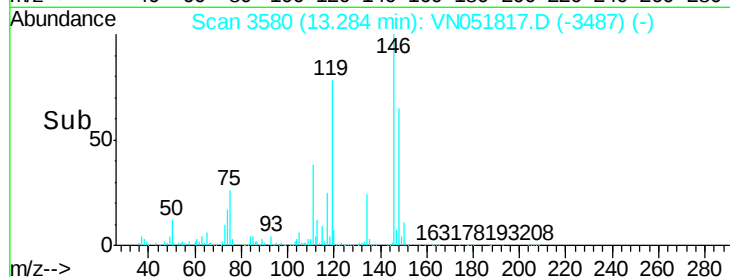
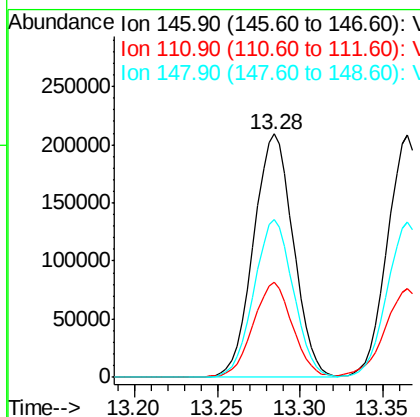
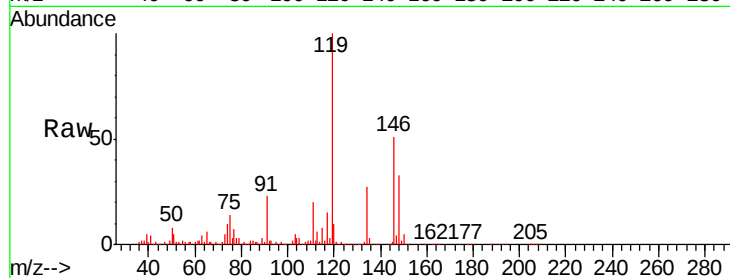
#87
 1,3-Dichlorobenzene
 Concen: 18.97 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	64.2	32.2	96.6

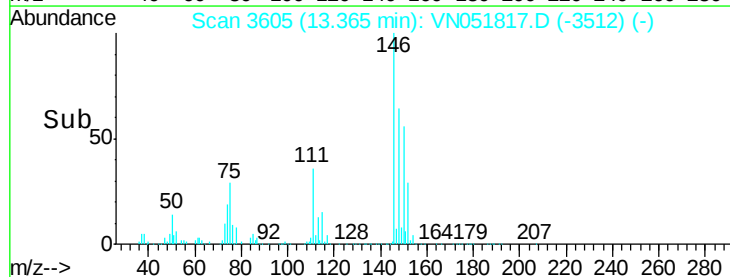
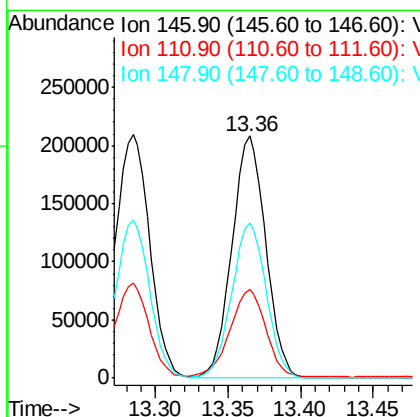
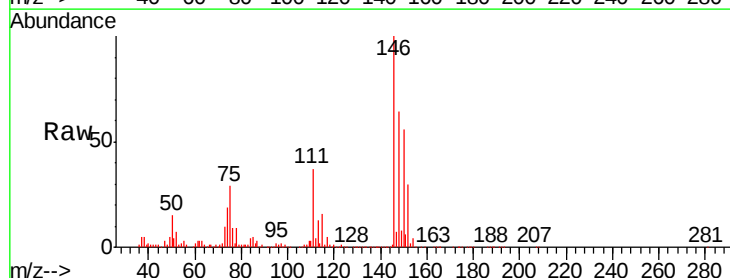
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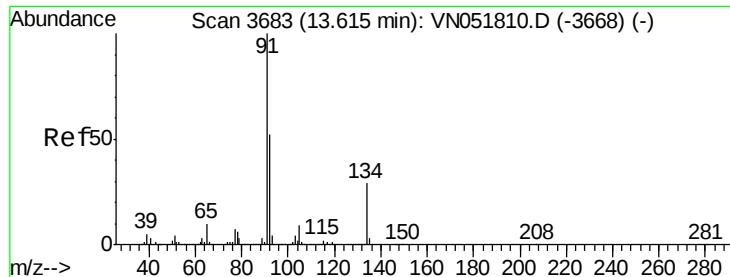
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#88
 1,4-Dichlorobenzene
 Concen: 18.92 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.8	56.3
148	65.5	32.2	96.6





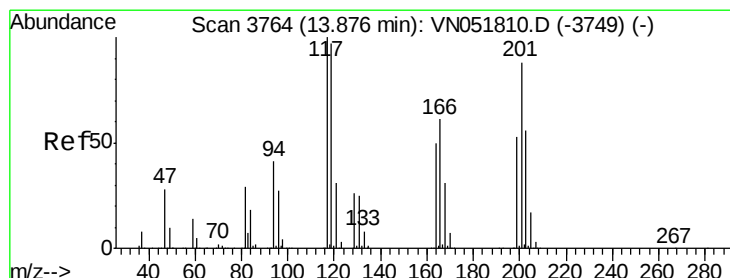
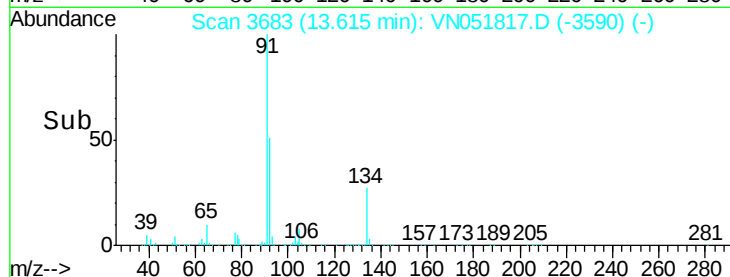
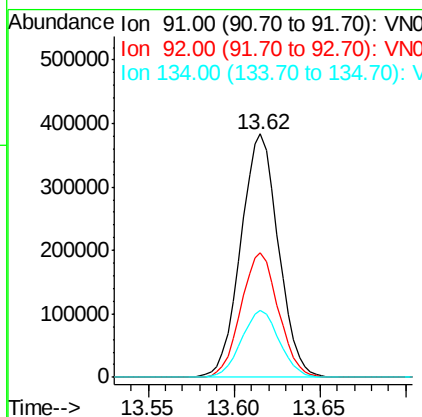
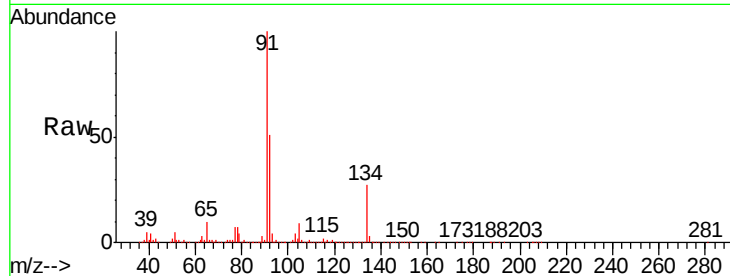
#89
n-Butylbenzene
Concen: 20.91 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.2
134	28.2	13.2	39.6

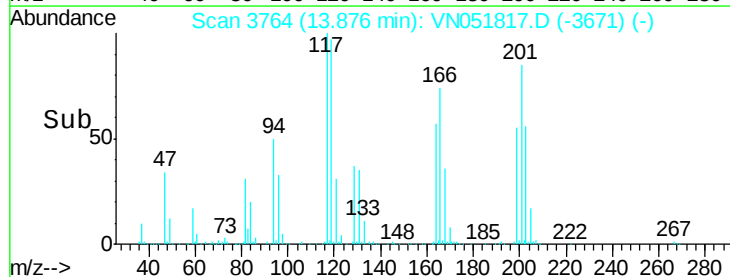
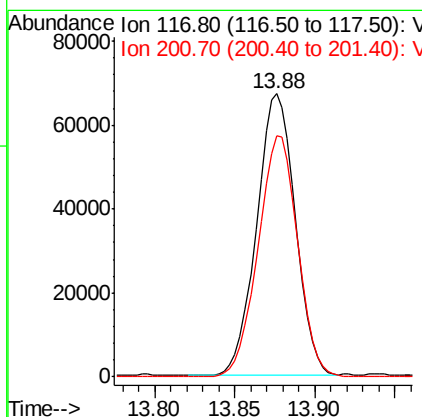
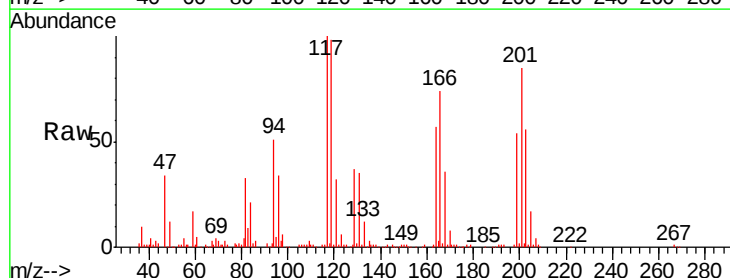
Manual Integrations
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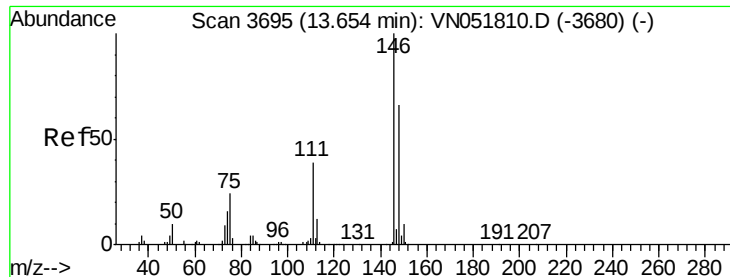
MMDadoda
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#90
Hexachloroethane
Concen: 16.68 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051817.D
Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	46.0	137.8





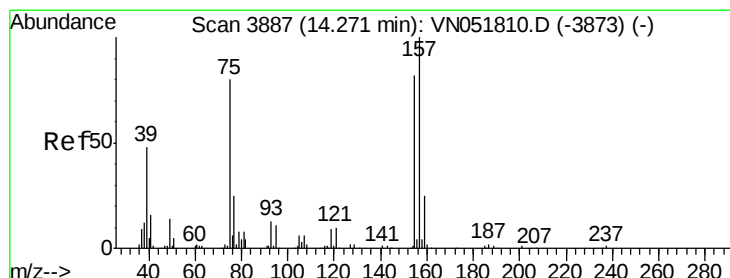
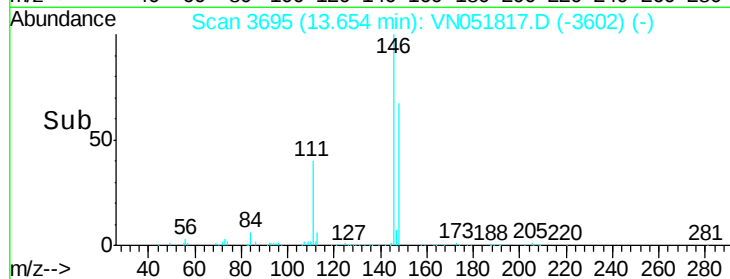
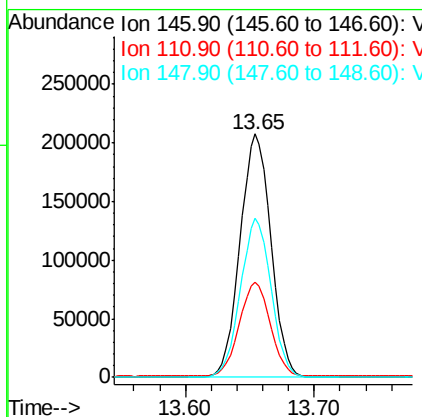
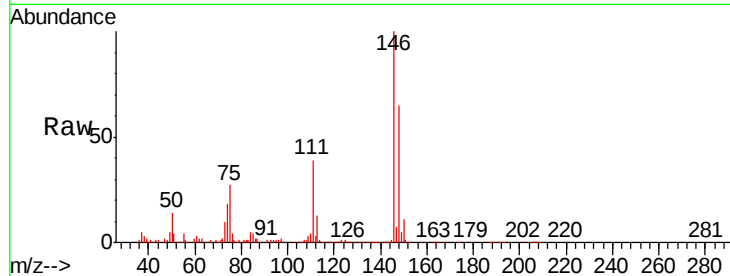
#91
 1,2-Dichlorobenzene
 Concen: 19.50 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.3
148	64.8	32.3	96.8

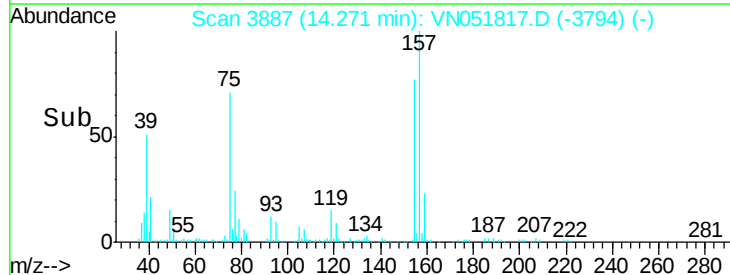
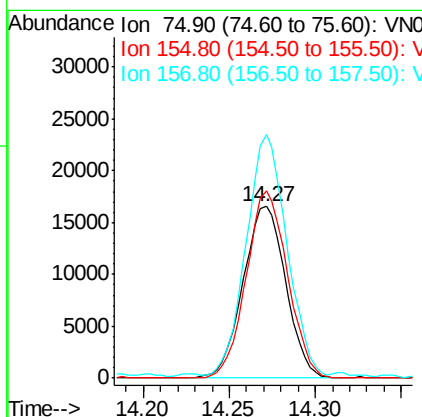
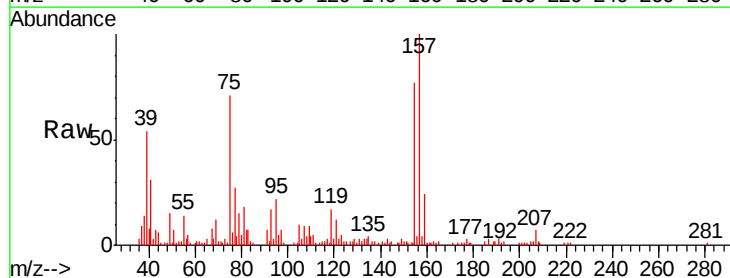
Manual Integrations
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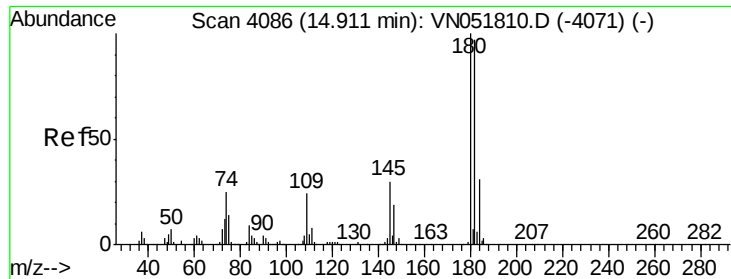
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.43 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	46.4	139.1
157	132.7	60.7	182.0





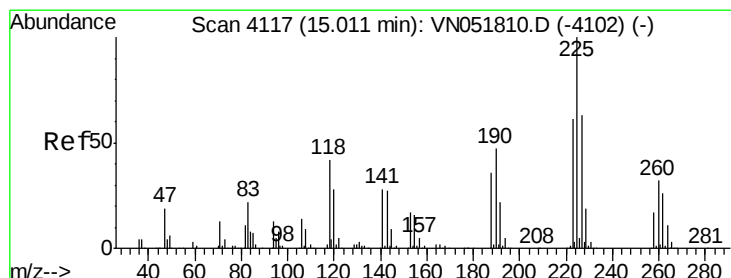
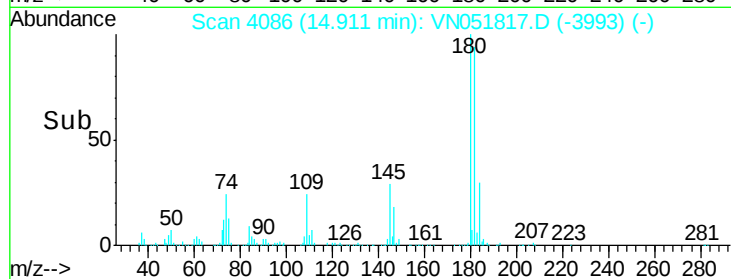
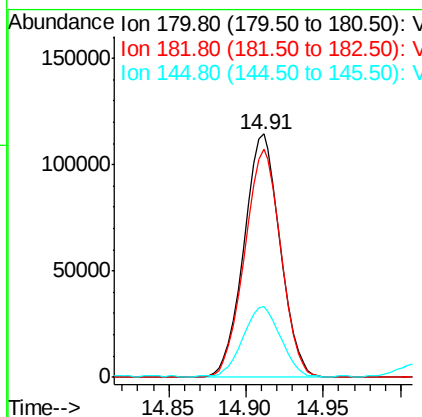
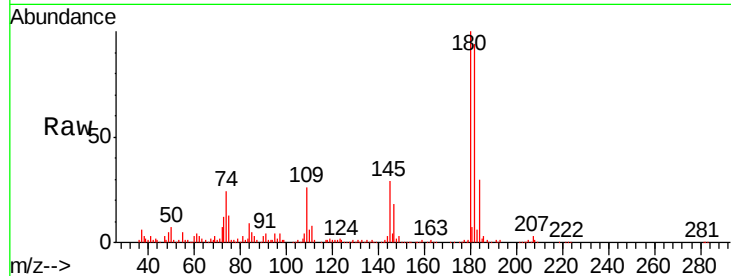
#93
 1,2,4-Trichlorobenzene
 Concen: 22.09 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.2	144.6
145	29.6	14.1	42.2

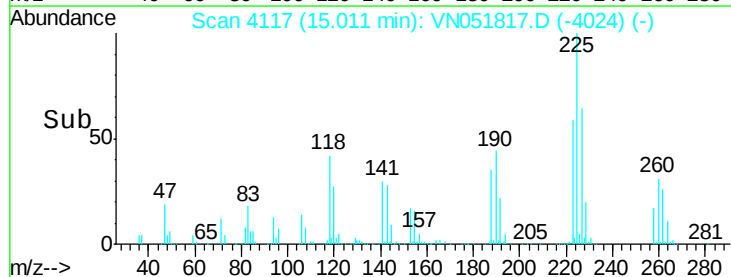
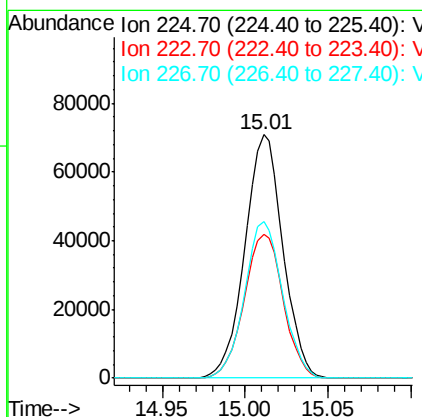
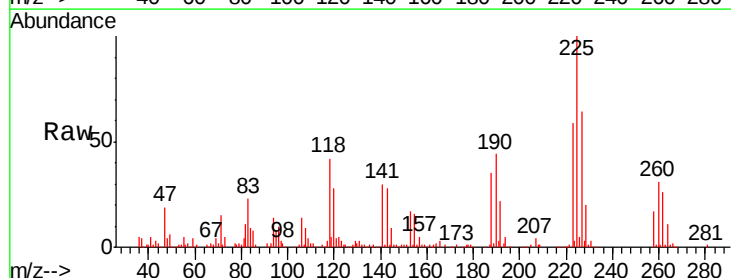
Manual Integrations
 APPROVED

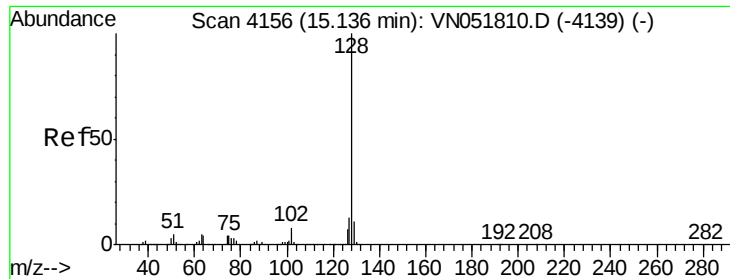
MMDadoda
 10/15/2018 3:00:14 PM



#94
 Hexachlorobutadiene
 Concen: 19.57 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051817.D
 Acq: 11 Oct 2018 17:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.3	93.8
227	64.5	32.0	96.2





#95

Naphthalene

Concen: 23.52 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Instrument :

MSVOA_N

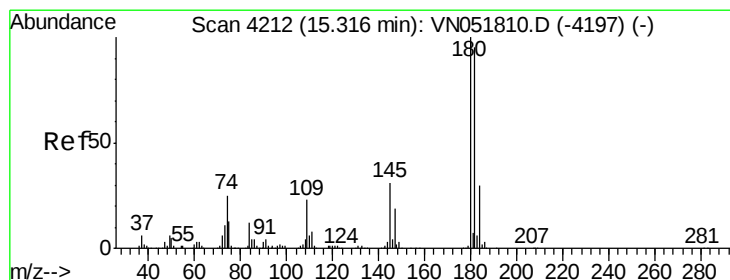
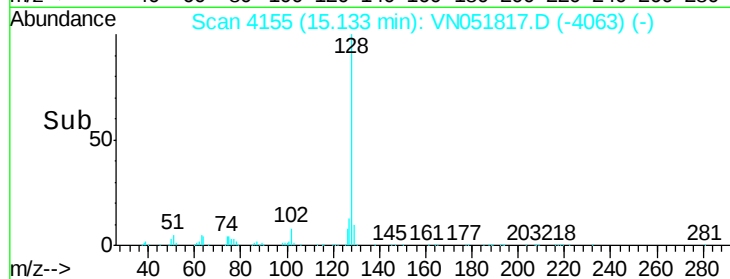
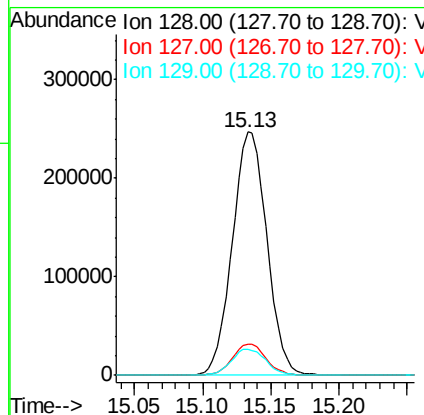
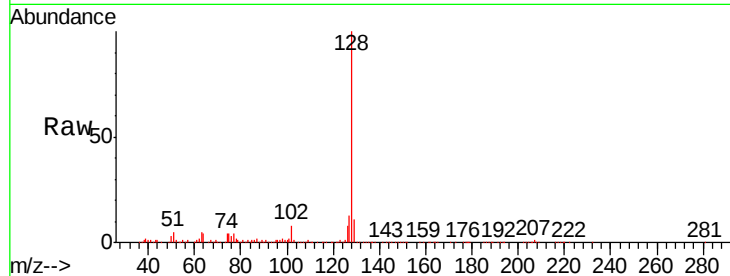
ClientSampleId :

VN1011WBS01

Tgt	Ion	Resp	Lower	Upper
128	100			
127	12.8	10.5	15.7	
129	10.6	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
10/15/2018 3:00:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.50 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051817.D

Acq: 11 Oct 2018 17:30

Tgt	Ion	Resp	Lower	Upper
180	100			
182	94.2	48.0	144.2	
145	30.9	15.2	45.6	

