

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051310.D
 Acq On : 19 Sep 2018 11:03
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:07 PM

Quant Time: Sep 19 15:43:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	557532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	746292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	679998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	352975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	274455	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
35) Dibromofluoromethane	7.59	113	277968	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	10.09	98	1038189	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.40	95	343386	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	262644	48.57	ug/l	100
3) Chloromethane	2.06	50	335348	48.15	ug/l	99
4) Vinyl Chloride	2.18	62	339587	46.52	ug/l	99
5) Bromomethane	2.56	94	199292	46.25	ug/l	97
6) Chloroethane	2.70	64	204349	46.93	ug/l	99
7) Trichlorofluoromethane	3.01	101	482701	48.25	ug/l	96
8) Diethyl Ether	3.41	74	158309	48.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	298568	47.77	ug/l	100
10) Methyl Iodide	3.95	142	288811	46.38	ug/l	99
11) Tert butyl alcohol	4.79	59	80961	242.64	ug/l	100
12) 1,1-Dichloroethene	3.74	96	269583	47.75	ug/l	99
13) Acrolein	3.61	56	143094	280.67	ug/l	100
14) Allyl chloride	4.32	41	397107	47.65	ug/l	98
15) Acrylonitrile	4.99	53	427584	244.94	ug/l	99
16) Acetone	3.82	43	348671	264.29	ug/l	99
17) Carbon Disulfide	4.05	76	792744	45.69	ug/l	100
18) Methyl Acetate	4.33	43	199158	48.34	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	684560	50.60	ug/l	98
20) Methylene Chloride	4.55	84	301210	45.42	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	288355	46.59	ug/l	100
22) Diisopropyl ether	5.95	45	820644	50.84	ug/l	99
23) Vinyl Acetate	5.90	43	2631223	251.57	ug/l	99
24) 1,1-Dichloroethane	5.85	63	511147	47.36	ug/l	99
25) 2-Butanone	6.84	43	466050	240.11	ug/l	99
26) 2,2-Dichloropropane	6.82	77	433083	49.34	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	323329	48.90	ug/l	99
28) Bromochloromethane	7.19	49	217681	45.80	ug/l	97
29) Tetrahydrofuran	7.21	42	290090	241.72	ug/l	98
30) Chloroform	7.37	83	521151	47.28	ug/l	100
31) Cyclohexane	7.65	56	453310	46.38	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	457365	48.36	ug/l	100
36) 1,1-Dichloropropene	7.79	75	406070	50.27	ug/l	99
37) Ethyl Acetate	6.93	43	203493	49.00	ug/l	100
38) Carbon Tetrachloride	7.77	117	419774	49.83	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	464497	52.93	ug/l	99
40) Benzene	8.04	78	1200600	49.95	ug/l	100
41) Methacrylonitrile	7.18	41	113538	53.28	ug/l	97
42) 1,2-Dichloroethane	8.12	62	353685	50.04	ug/l	99
43) Isopropyl Acetate	8.16	43	363946	50.65	ug/l	99
44) Trichloroethene	8.84	130	335888	49.71	ug/l	97
45) 1,2-Dichloropropane	9.12	63	309303	50.76	ug/l	98
46) Dibromomethane	9.21	93	183854	49.53	ug/l	99
47) Bromodichloromethane	9.40	83	397868	50.29	ug/l	98
48) Methyl methacrylate	9.20	41	181093	52.33	ug/l	100
49) 1,4-Dioxane	9.20	88	51158	1021.73	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	973684	262.60	ug/l	99
52) Toluene	10.16	92	761702	52.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	393475	52.92	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	469193	52.84	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	266274	51.75	ug/l	100
56) Ethyl methacrylate	10.43	69	309098	47.34	ug/l	99
57) 1,3-Dichloropropane	10.71	76	432800	51.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	707648	235.39	ug/l	100
59) 2-Hexanone	10.75	43	657181	269.19	ug/l	99
60) Dibromochloromethane	10.90	129	317804	52.49	ug/l	100
61) 1,2-Dibromoethane	11.01	107	260014	52.58	ug/l	99
64) Tetrachloroethene	10.63	164	314156	48.66	ug/l	99
65) Chlorobenzene	11.43	112	846604	50.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	318122	49.96	ug/l	100
67) Ethyl Benzene	11.51	91	1420850	53.01	ug/l	100
68) m/p-Xylenes	11.62	106	1141108	109.59	ug/l	99
69) o-Xylene	11.95	106	538915	54.31	ug/l	99
70) Styrene	11.96	104	873963	49.80	ug/l	99
71) Bromoform	12.13	173	215159	50.95	ug/l	# 100
73) Isopropylbenzene	12.25	105	1439165	48.34	ug/l	99
74) N-amyl acetate	12.07	43	294329	48.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	311323	50.18	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	242875m	50.36	ug/l	
77) Bromobenzene	12.53	156	373342	50.15	ug/l	98
78) n-propylbenzene	12.59	91	1607448	50.06	ug/l	100
79) 2-Chlorotoluene	12.67	91	952303	46.66	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1192893	50.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	81914	51.54	ug/l	99
82) 4-Chlorotoluene	12.77	91	955514	49.21	ug/l	99
83) tert-Butylbenzene	12.99	119	1033860	49.16	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1214649	52.56	ug/l	100
85) sec-Butylbenzene	13.17	105	1357094	50.81	ug/l	100
86) p-Isopropyltoluene	13.29	119	1219879	54.47	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	646276	49.15	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	619560	49.74	ug/l	98
89) n-Butylbenzene	13.62	91	925512	50.31	ug/l	99
90) Hexachloroethane	13.87	117	216582	49.56	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	613900	50.64	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40995	47.23	ug/l	97

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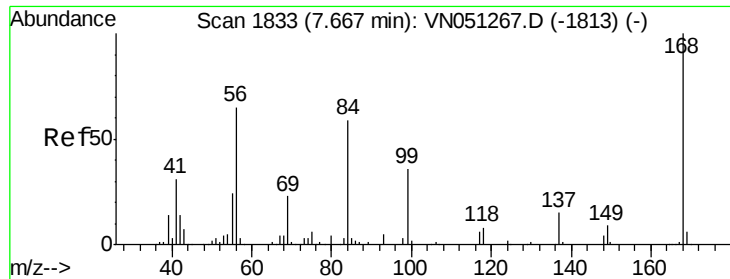
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	273125	46.29	ug/l	99
94) Hexachlorobutadiene	15.01	225	218478	54.32	ug/l	100
95) Naphthalene	15.13	128	460148	42.64	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	263985	47.10	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: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 557532

Ion Ratio Lower Upper

168 100

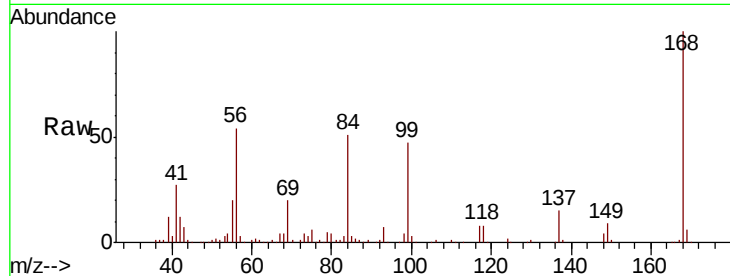
99 46.8 38.2 57.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

50000

0

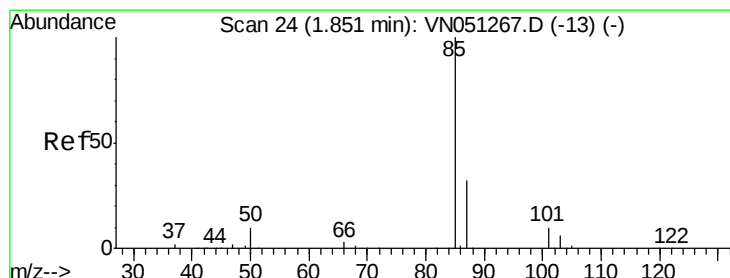
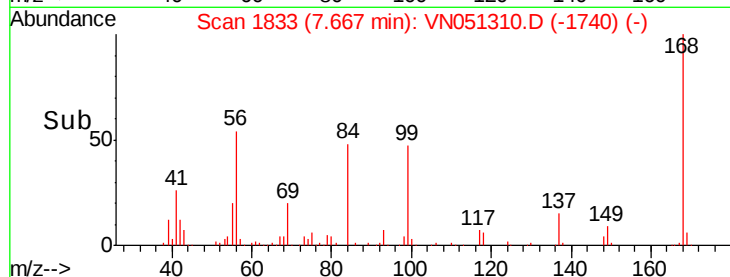
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.57 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051310.D

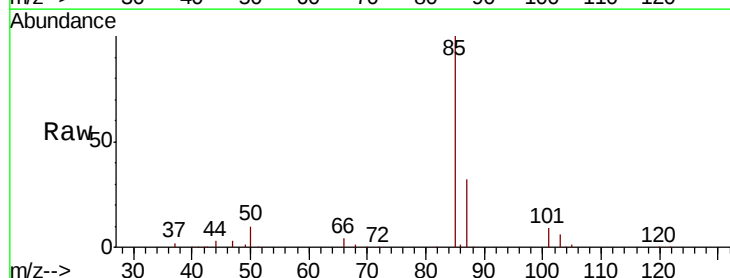
Acq: 19 Sep 2018 11:03

Tgt Ion: 85 Resp: 262644

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

100000

50000

0

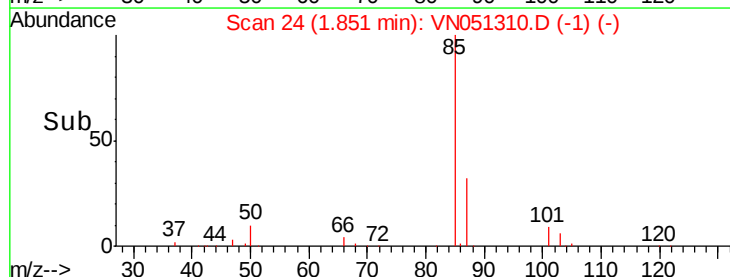
1.85

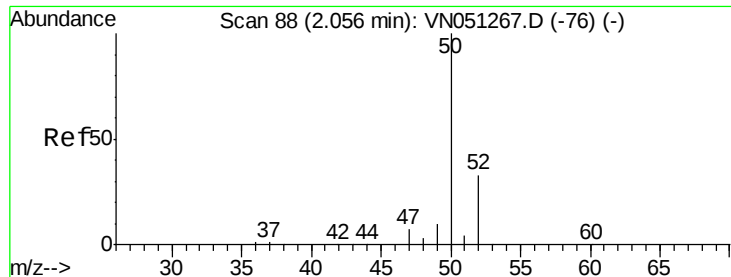
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 48.15 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 335348

Ion Ratio Lower Upper

50 100

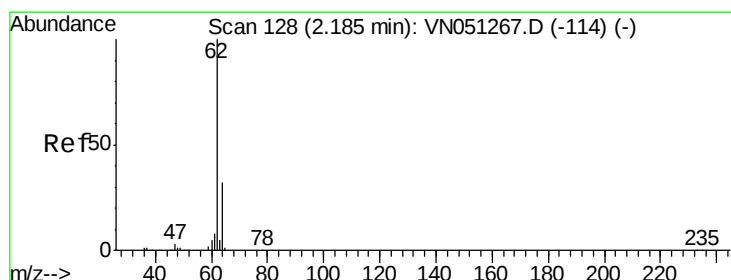
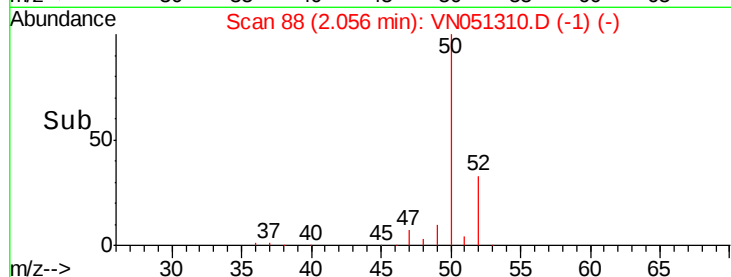
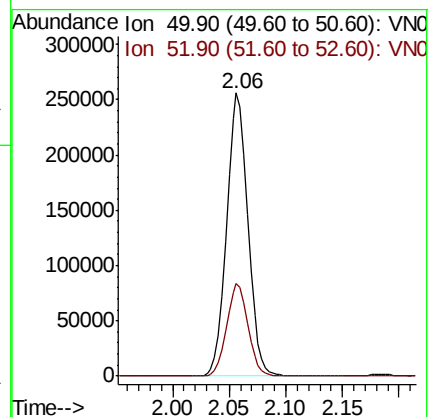
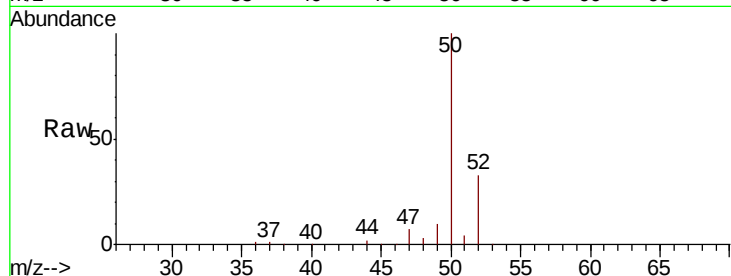
52 32.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.52 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051310.D

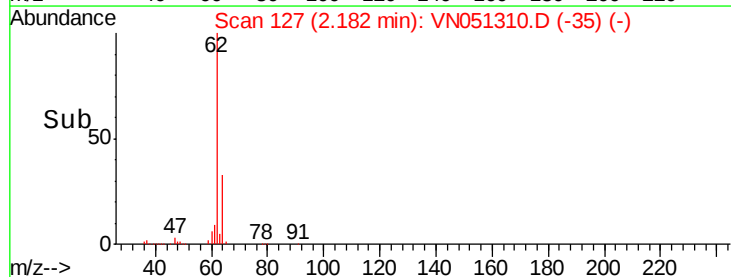
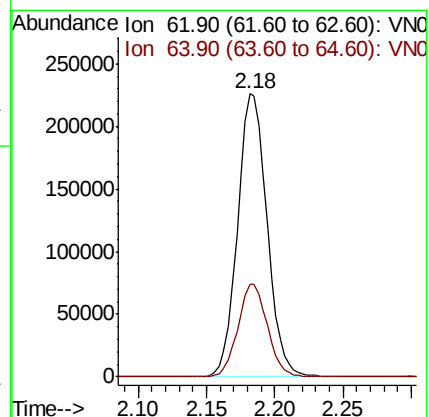
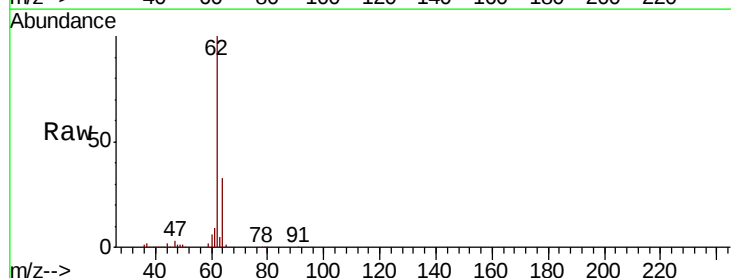
Acq: 19 Sep 2018 11:03

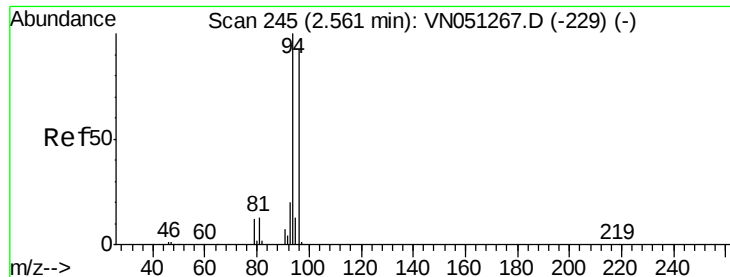
Tgt Ion: 62 Resp: 339587

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.6





#5

Bromomethane

Concen: 46.25 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 199292

Ion Ratio Lower Upper

94 100

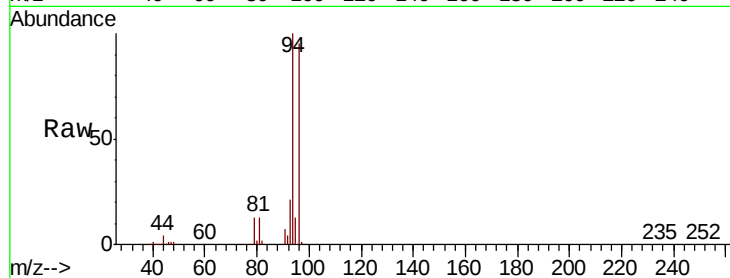
96 95.3 73.8 110.8

Manual Integrations

APPROVED

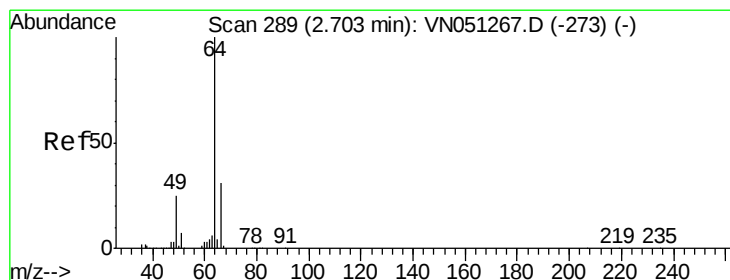
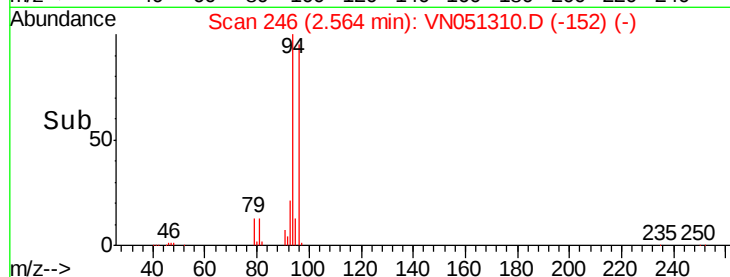
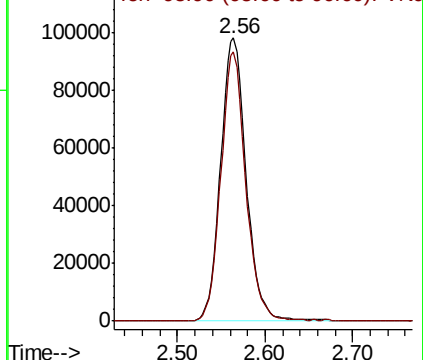
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.93 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051310.D

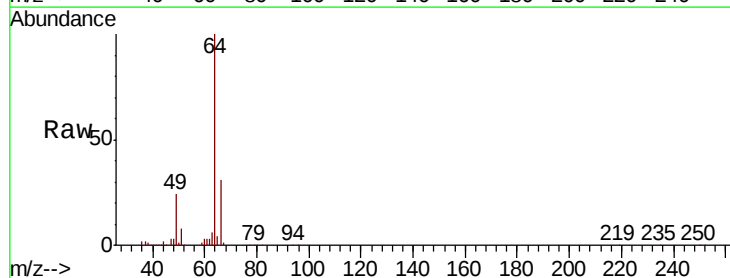
Acq: 19 Sep 2018 11:03

Tgt Ion: 64 Resp: 204349

Ion Ratio Lower Upper

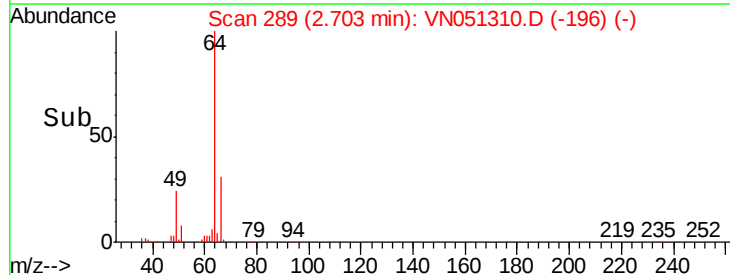
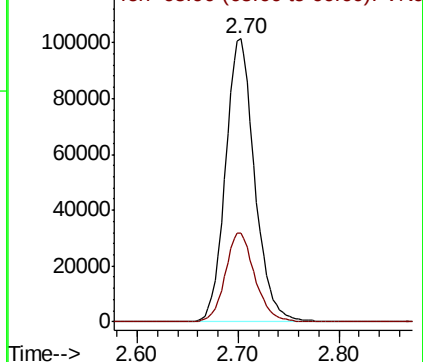
64 100

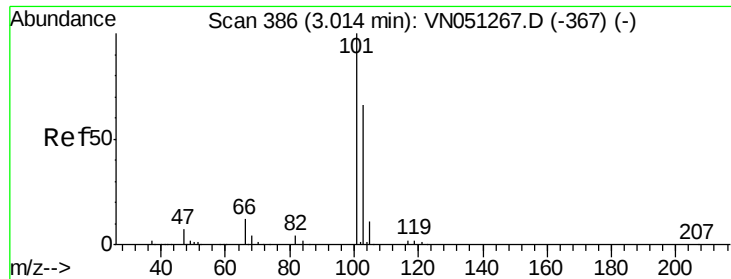
66 31.5 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

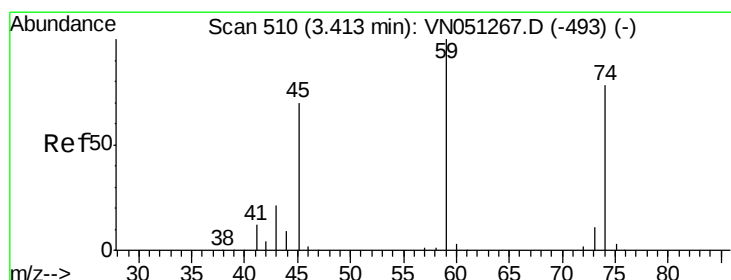
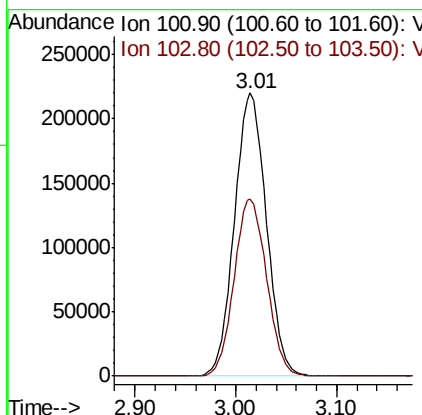
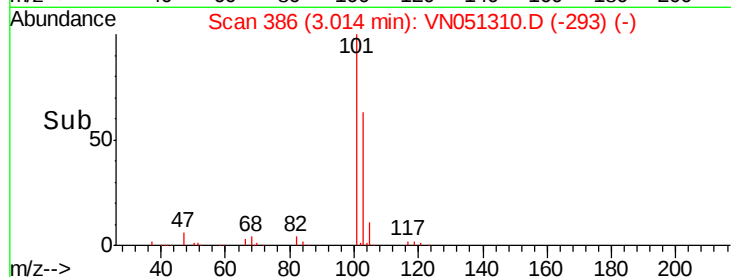
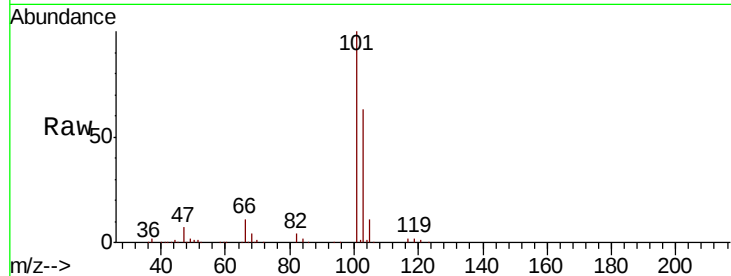
Trichlorofluoromethane
Concen: 48.25 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.7	79.1

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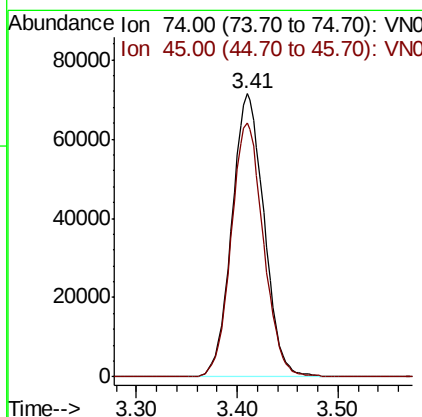
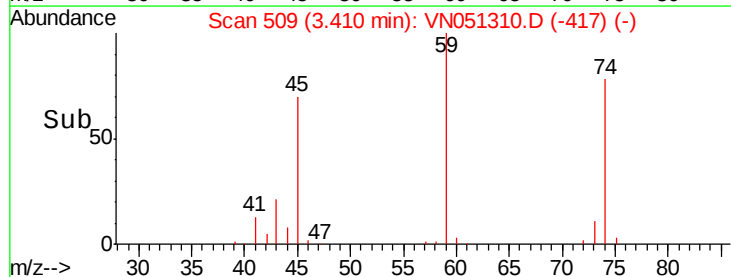
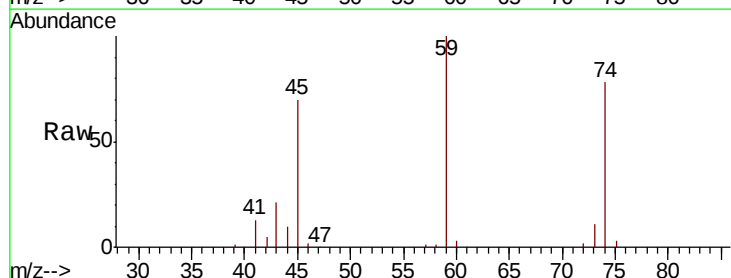
MMDadoda
9/20/2018 1:42:07 PM

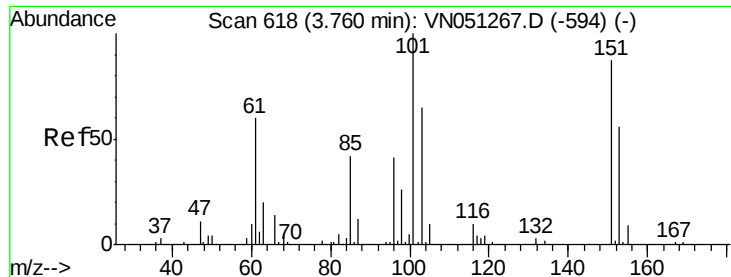


#8

Diethyl Ether
Concen: 48.36 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.77 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

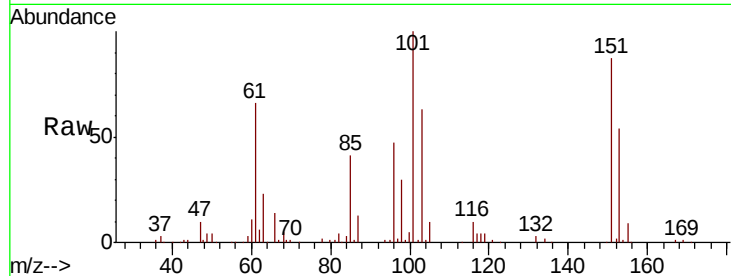
ClientSampleId :

VSTDCCC050

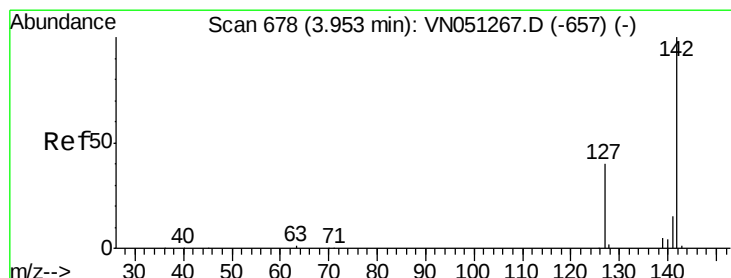
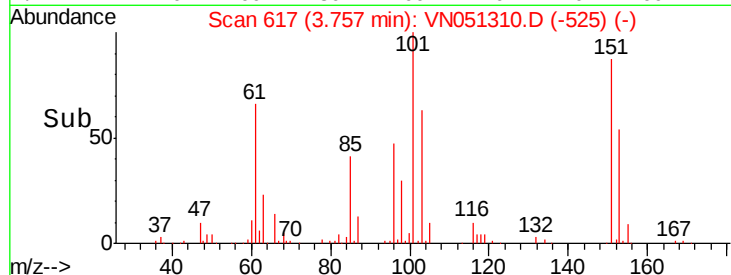
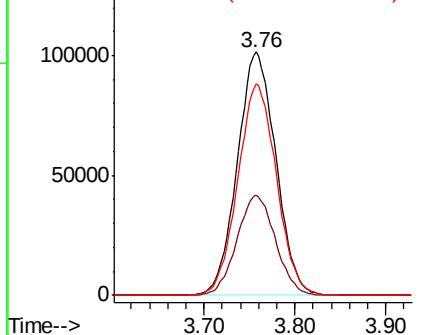
Tot Ion:	101	Resp:	298568
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.0	49.6
151	87.2	69.8	104.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.38 ug/l

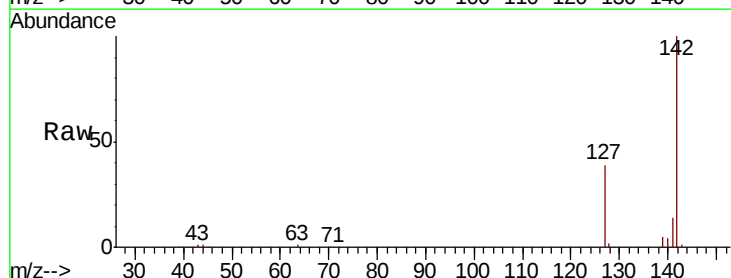
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

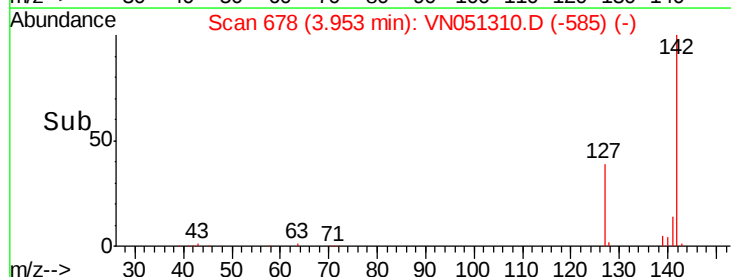
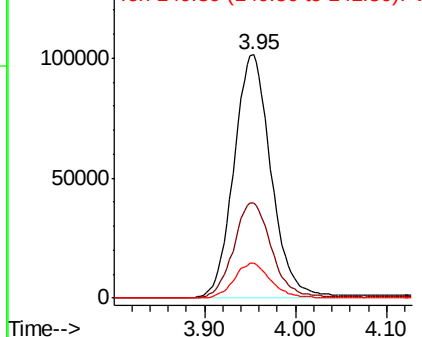
Lab File: VN051310.D

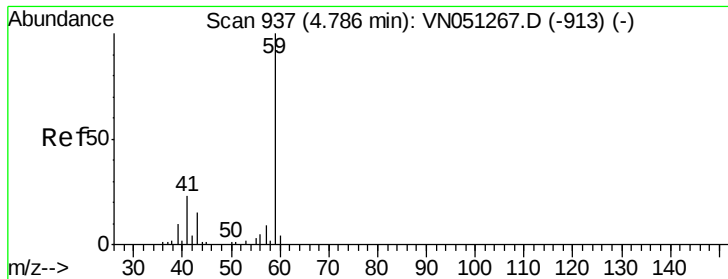
Acq: 19 Sep 2018 11:03

Tgt Ion:	142	Resp:	288811
Ion Ratio	Lower	Upper	
142	100		
127	40.3	31.7	47.5
141	14.0	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





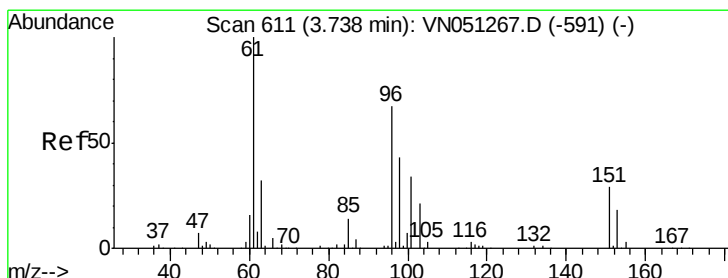
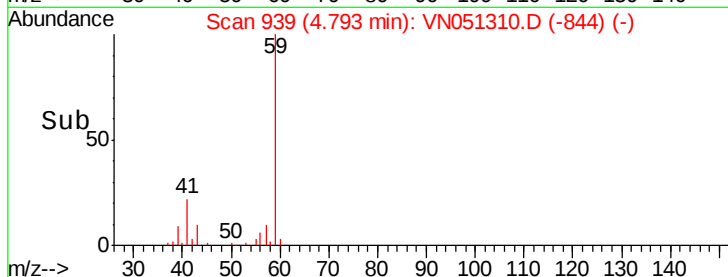
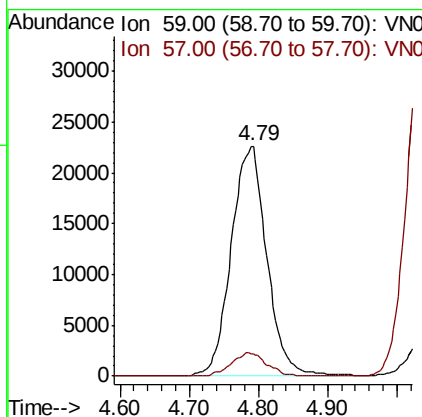
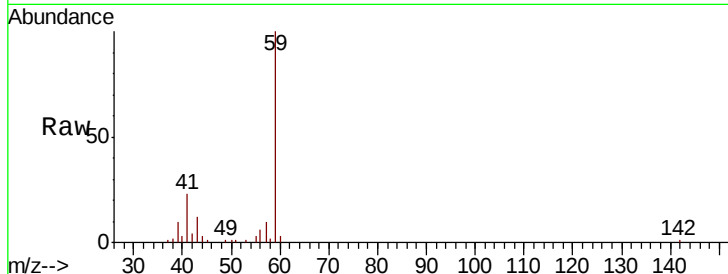
#11
Tert butyl alcohol
Concen: 242.64 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	80961
Ion Ratio	100	Lower	Upper
57	9.9	7.9	11.9

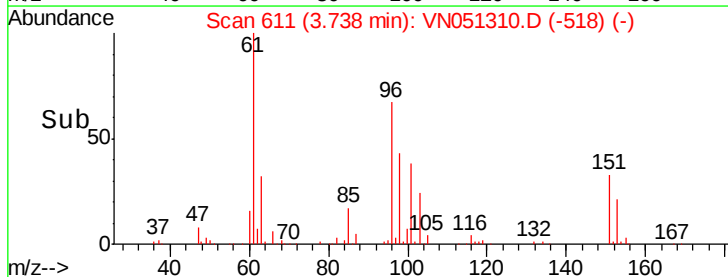
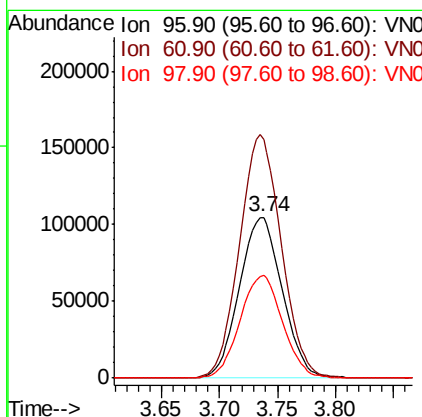
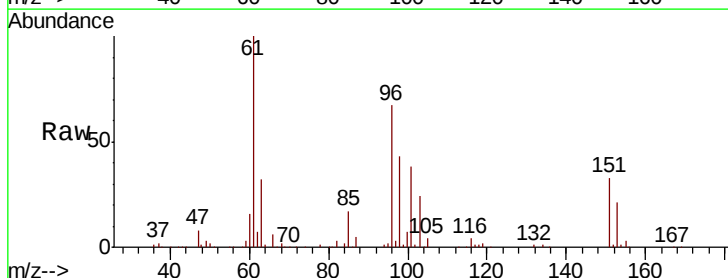
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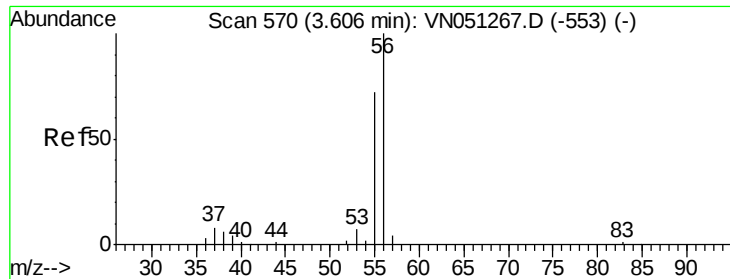
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.75 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	96	Resp	269583
Ion Ratio	100	Lower	Upper
61	148.3	119.3	178.9
98	64.1	51.8	77.6





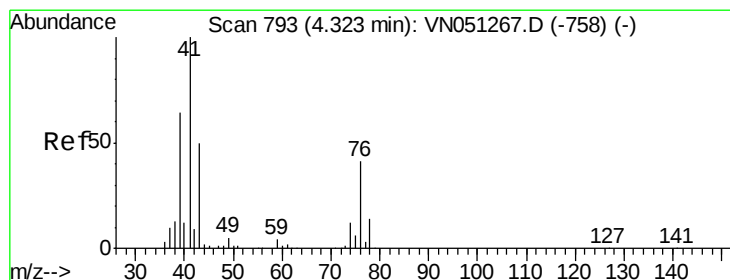
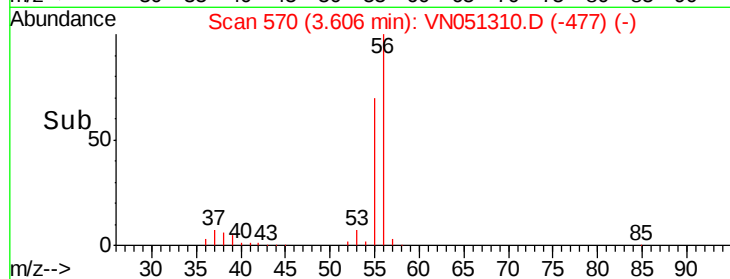
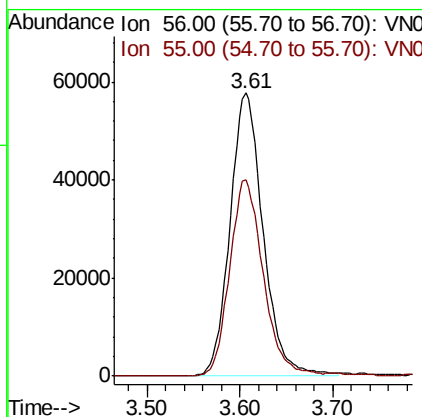
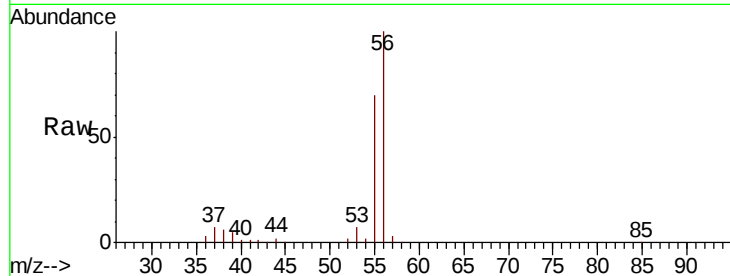
#13
Acrolein
Concen: 280.67 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.4	84.6

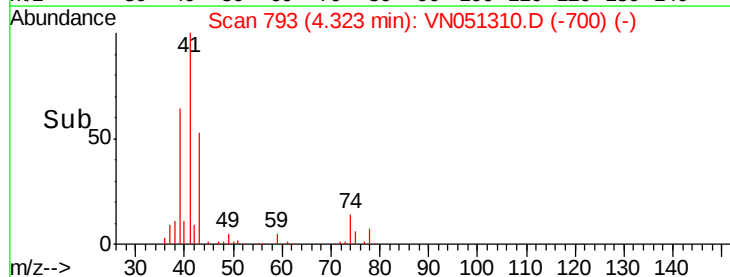
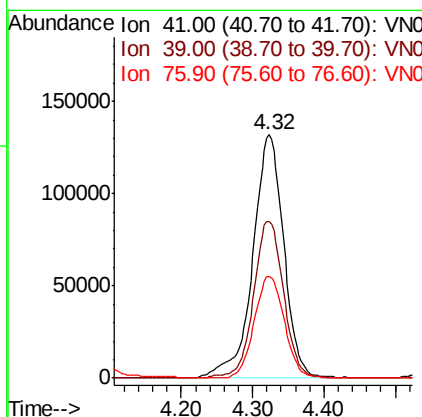
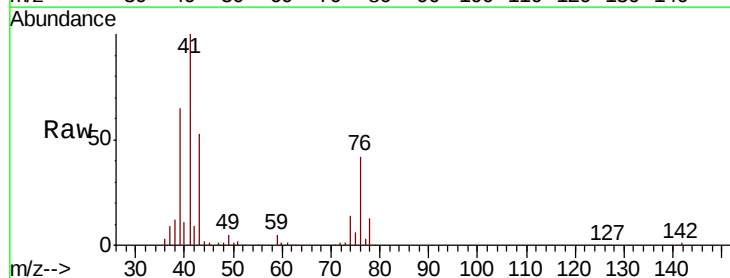
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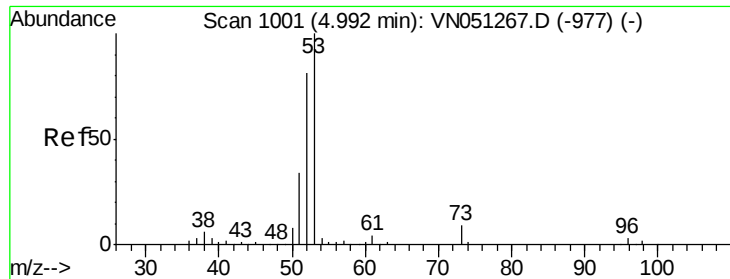
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#14
Allyl chloride
Concen: 47.65 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.5	49.0	73.4
76	40.1	31.4	47.0





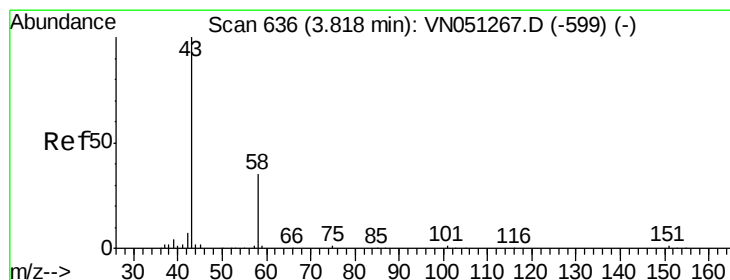
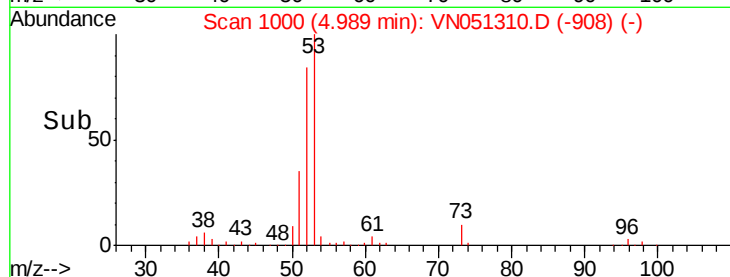
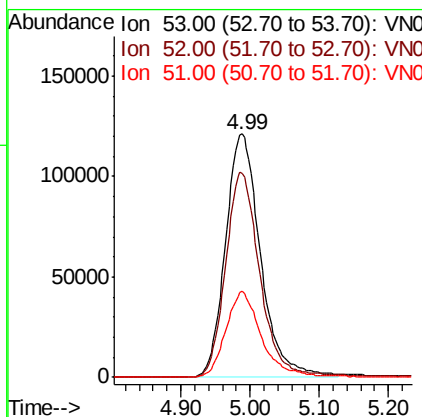
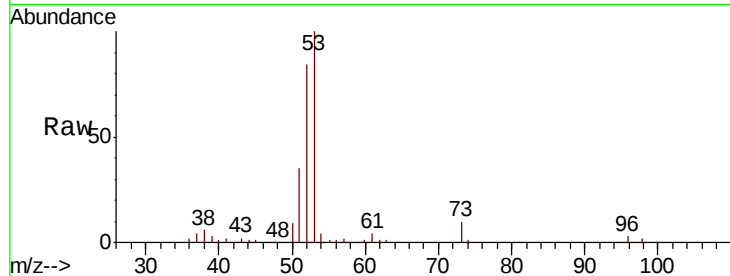
#15
 Acrylonitrile
 Concen: 244.94 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		427584		
52	82.7	65.0	97.6		
51	35.8	28.0	42.0		

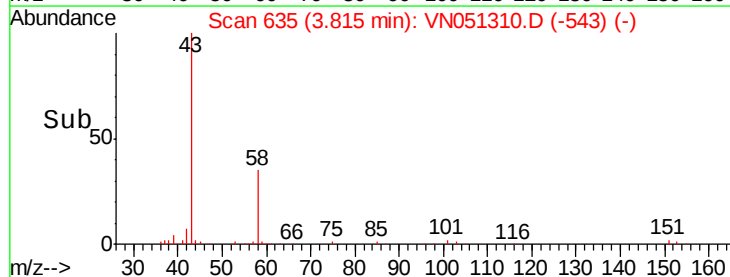
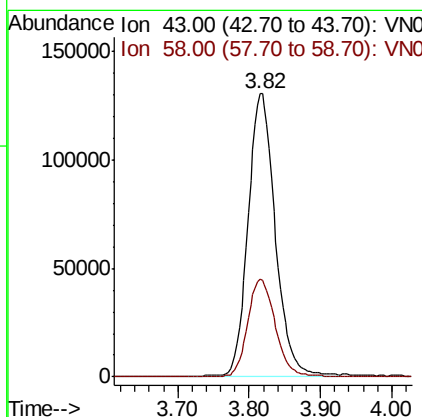
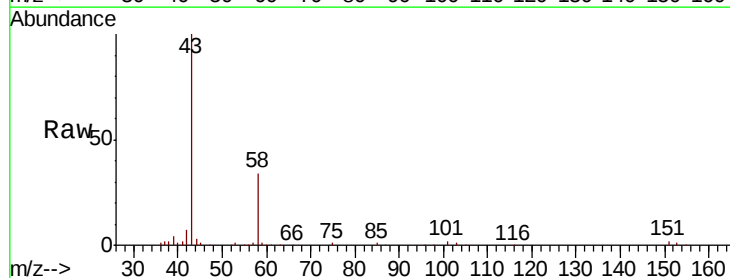
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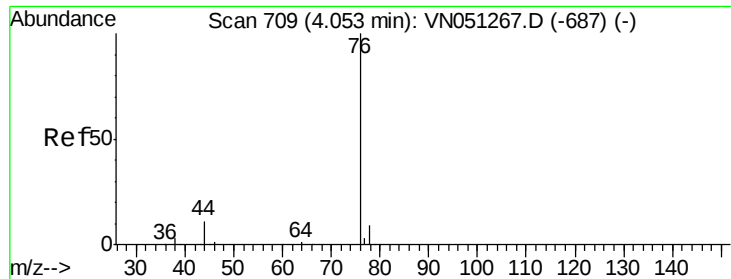
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#16
 Acetone
 Concen: 264.29 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		348671		
58	34.3	28.2	42.2		





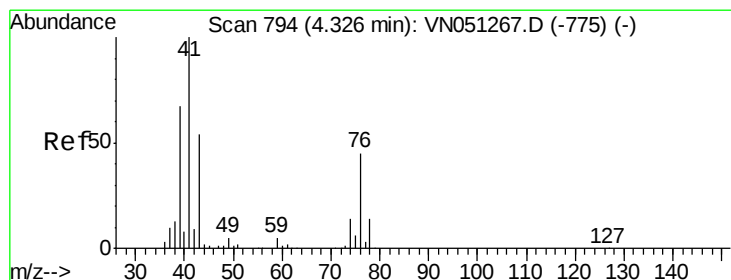
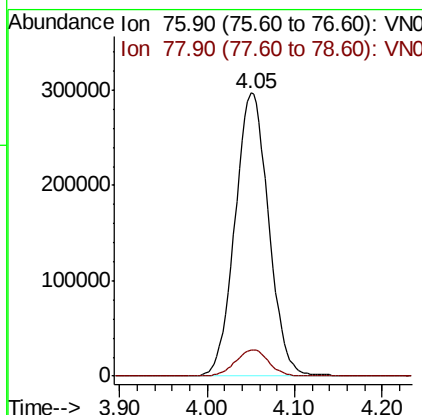
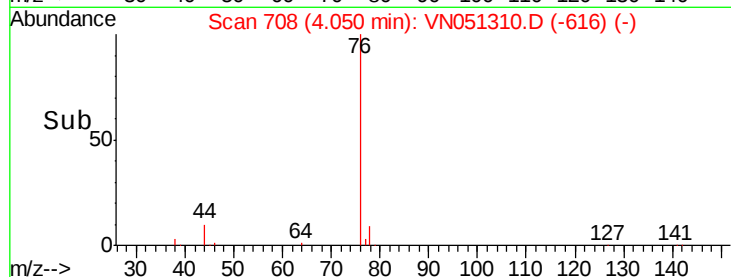
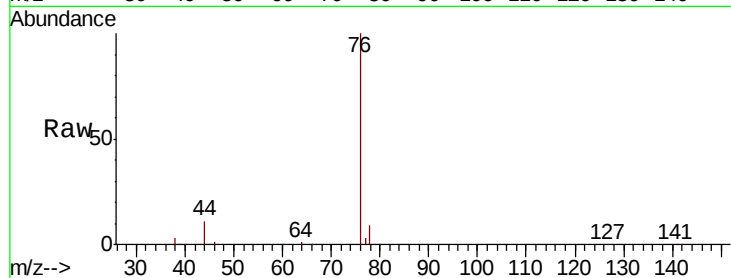
#17
Carbon Disulfide
Concen: 45.69 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

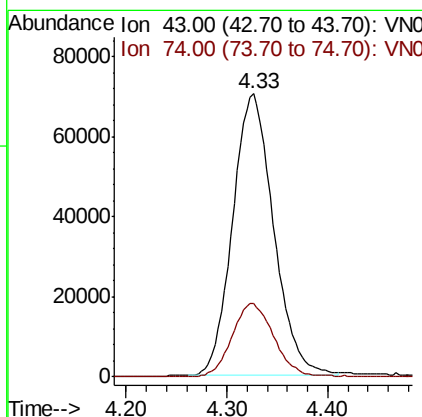
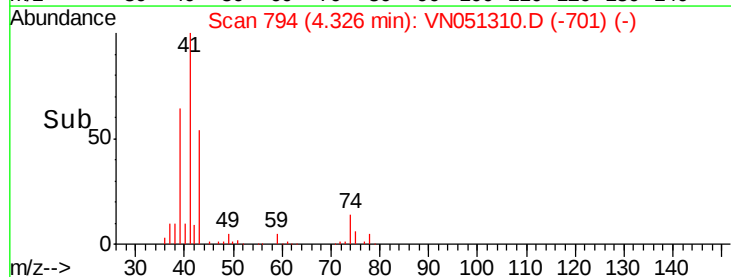
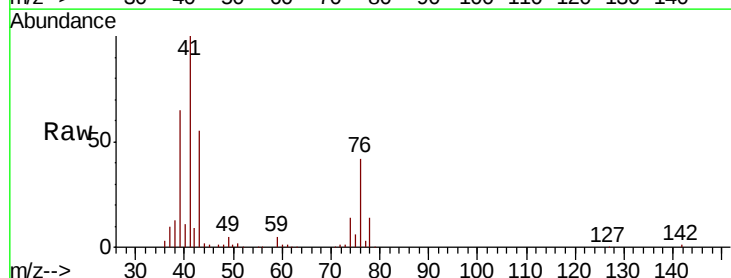
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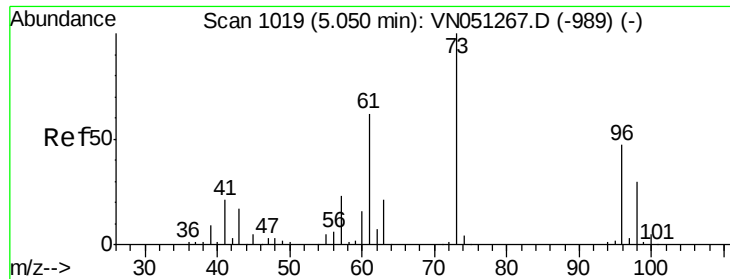
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#18
Methyl Acetate
Concen: 48.34 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	20.8	31.2





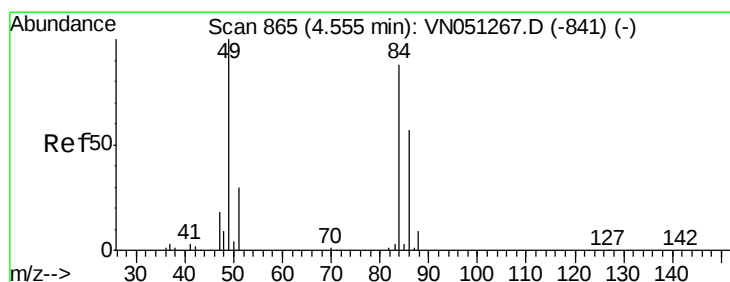
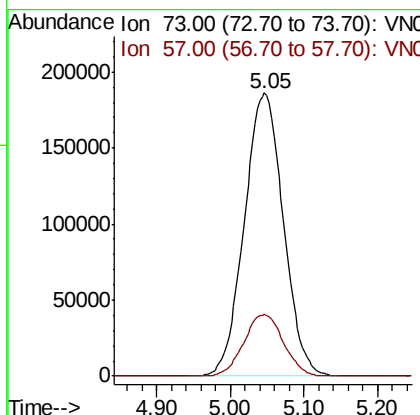
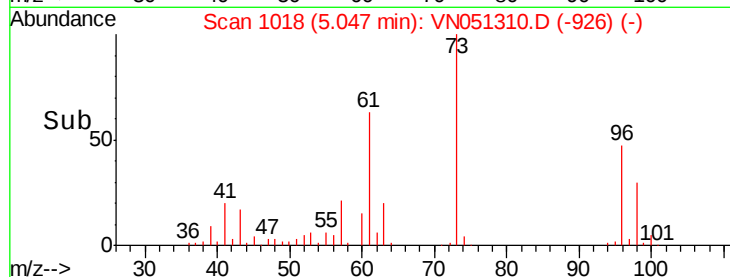
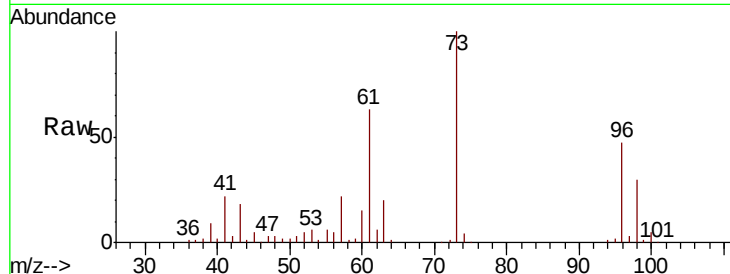
#19
Methvl tert-butvl Ether
Concen: 50.60 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 684560
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

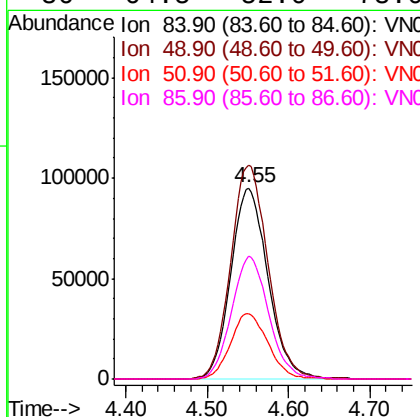
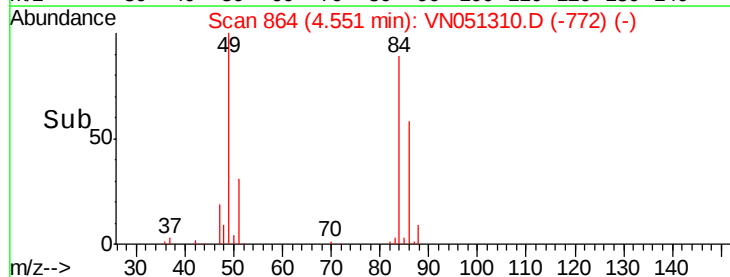
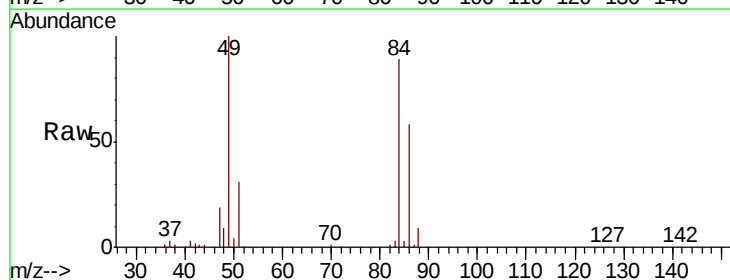
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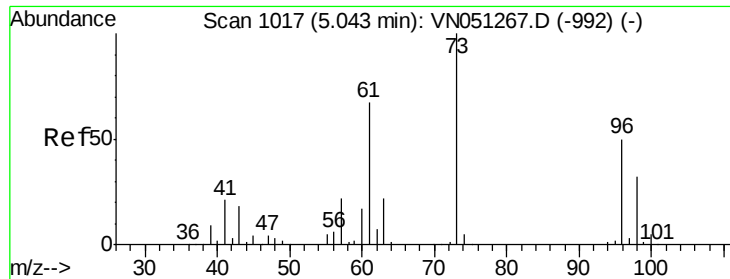
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#20
Methylene Chloride
Concen: 45.42 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion: 84 Resp: 301210
Ion Ratio Lower Upper
84 100
49 112.0 91.2 136.8
51 34.4 27.7 41.5
86 64.5 52.0 78.0





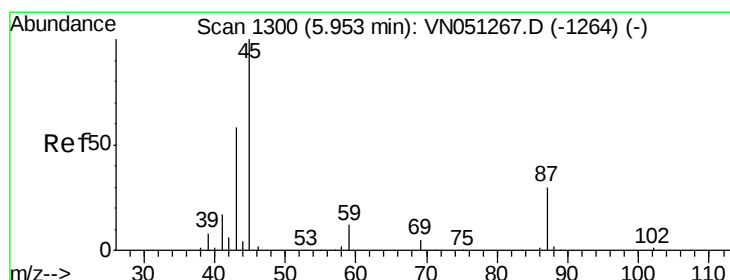
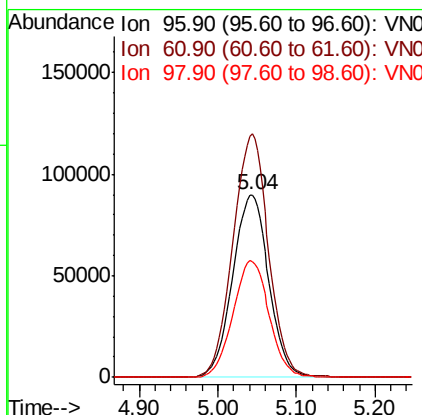
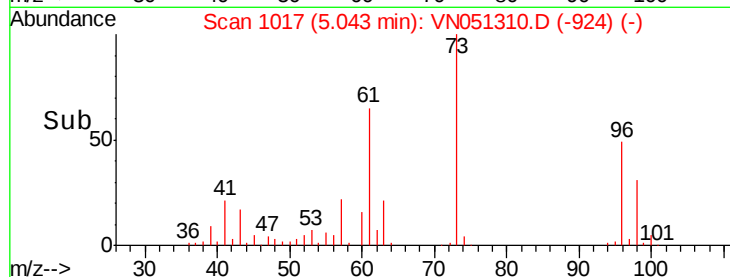
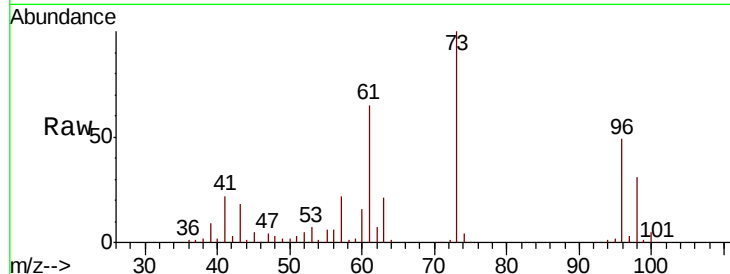
#21
trans-1,2-Dichloroethene
Concen: 46.59 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	106.7	160.1
98	63.4	51.4	77.0

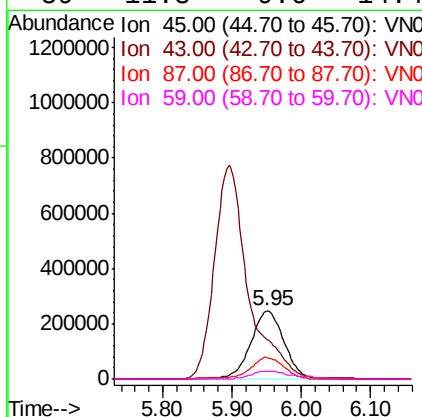
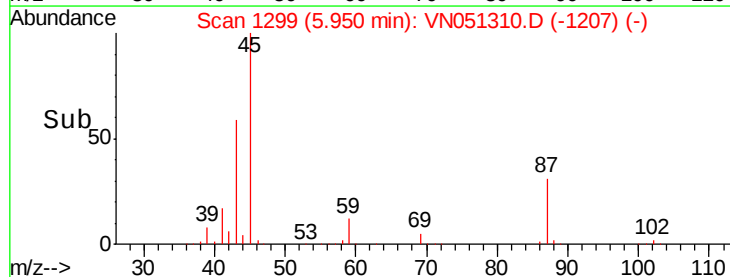
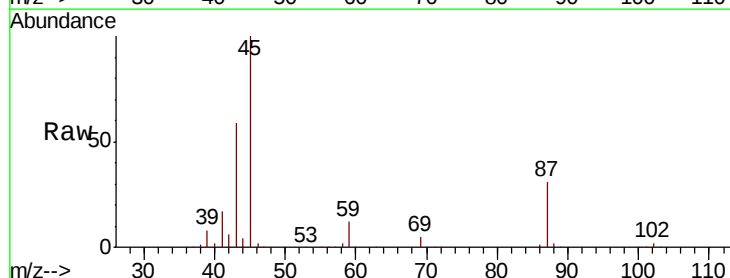
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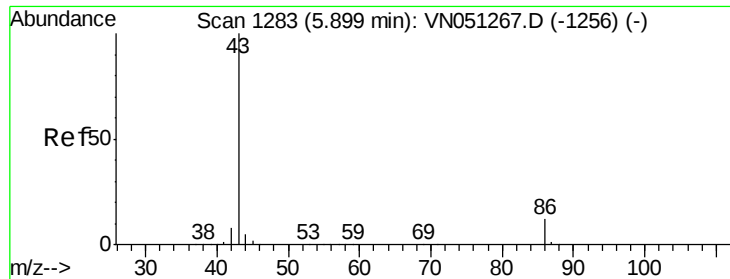
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#22
Diisopropyl ether
Concen: 50.84 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	46.7	70.1
87	31.3	24.6	36.8
59	11.8	9.6	14.4





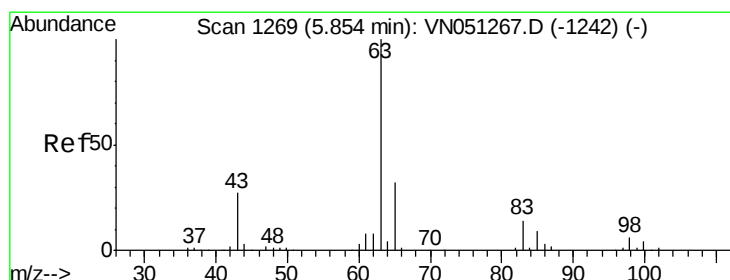
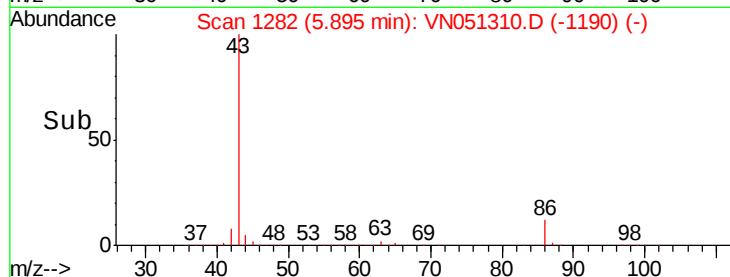
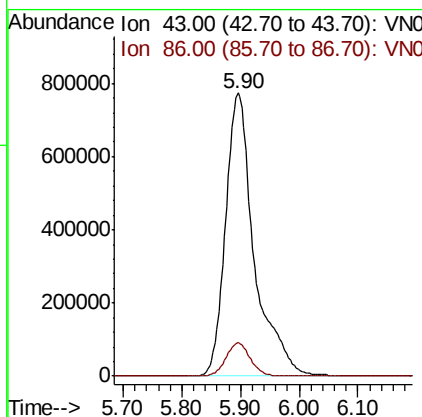
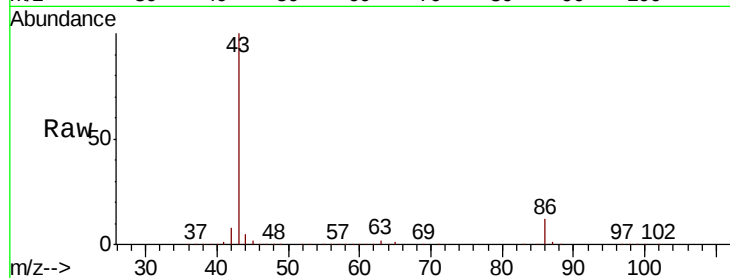
#23
 Vinyl Acetate
 Concen: 251.57 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2631223
 Ion Ratio Lower Upper
 43 100
 86 11.8 9.3 13.9

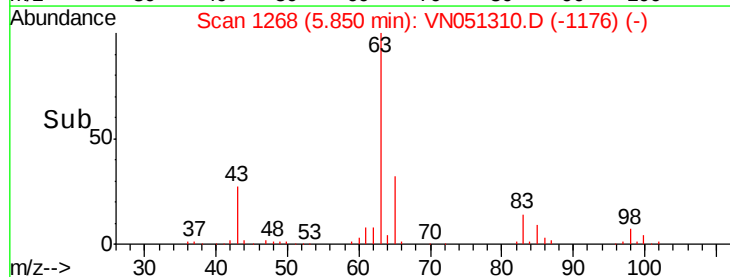
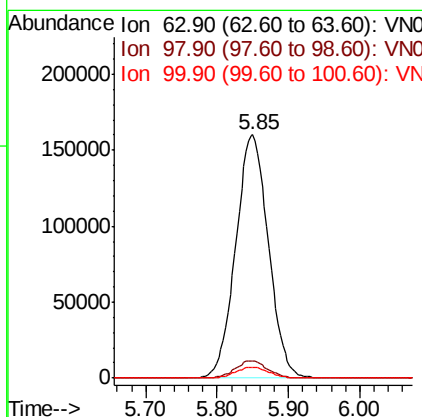
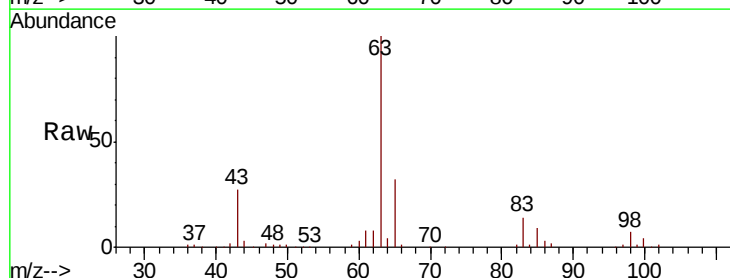
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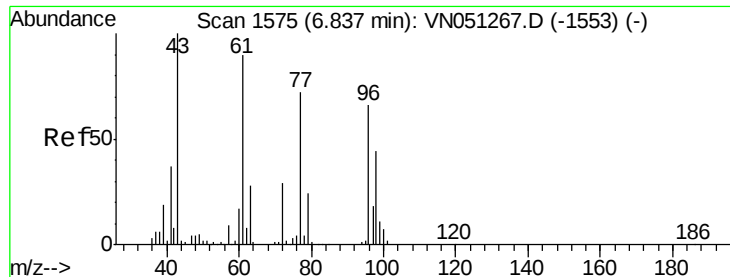
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#24
 1,1-Dichloroethane
 Concen: 47.36 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion: 63 Resp: 511147
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.8
 100 4.5 2.3 6.8





#25

2-Butanone

Concen: 240.11 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 466050

Ion Ratio Lower Upper

43 100

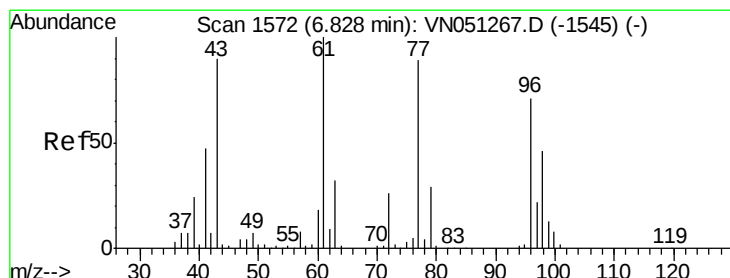
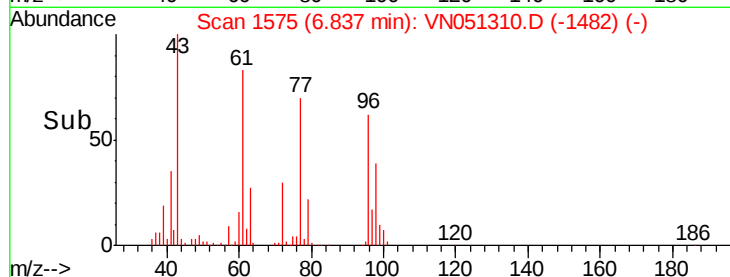
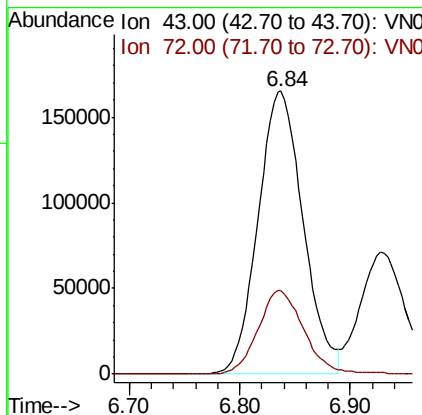
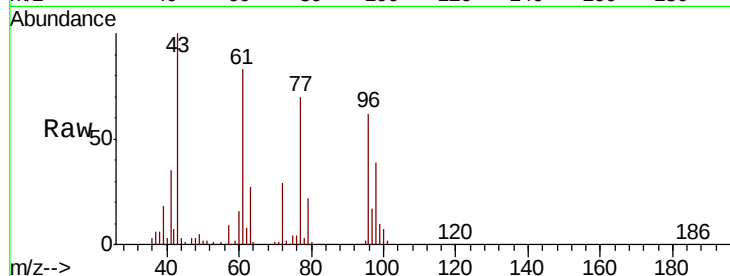
72 29.5 23.4 35.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.34 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051310.D

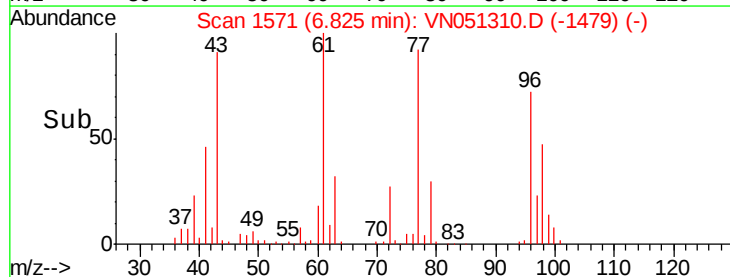
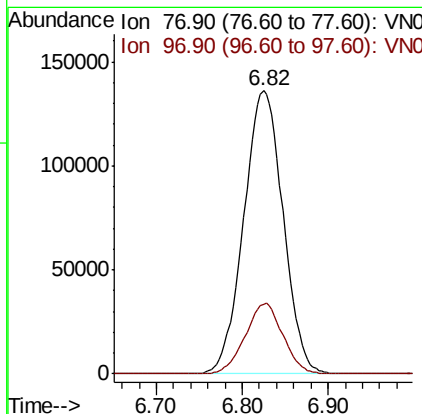
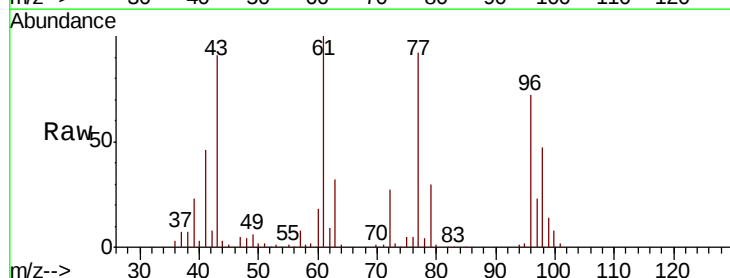
Acq: 19 Sep 2018 11:03

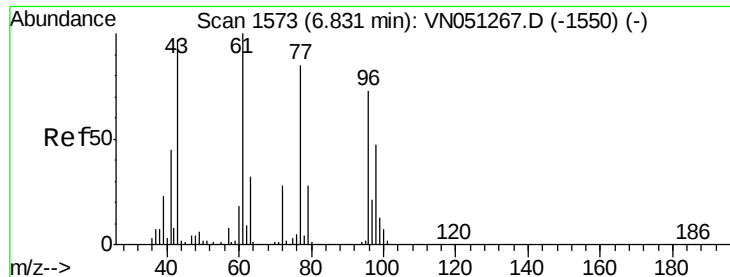
Tgt Ion: 77 Resp: 433083

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 48.90 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

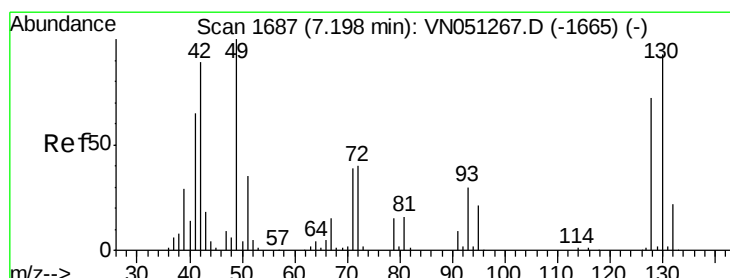
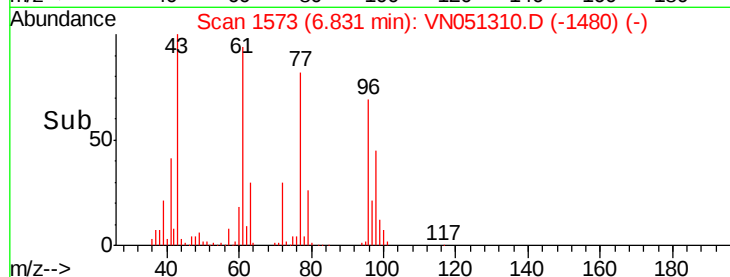
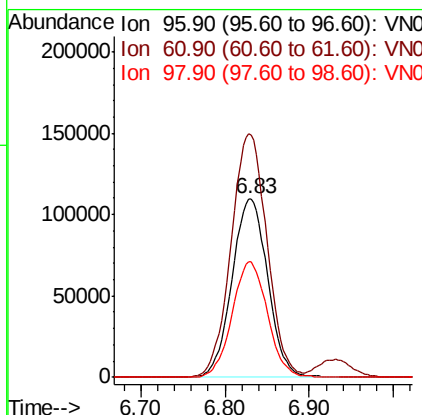
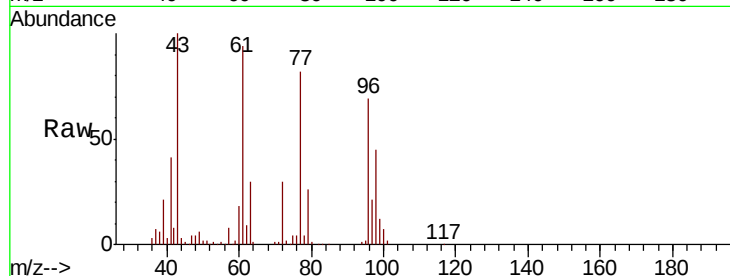
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	323329
Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	276.2
98	63.9	0.0	129.2

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#28

Bromochloromethane

Concen: 45.80 ug/l

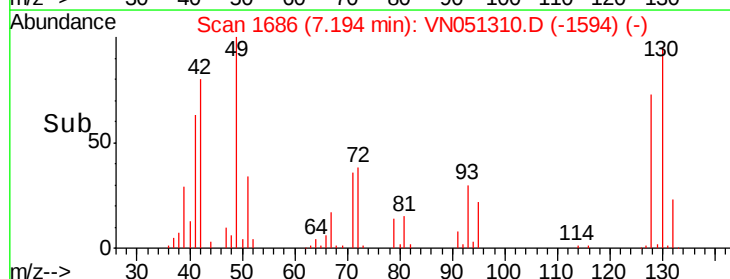
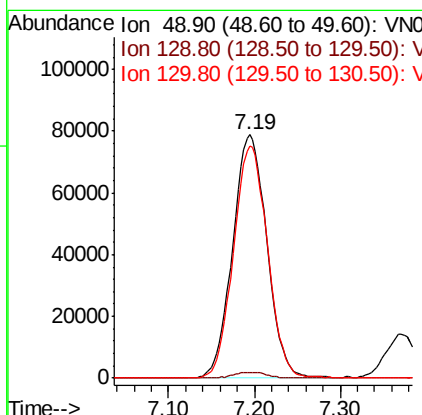
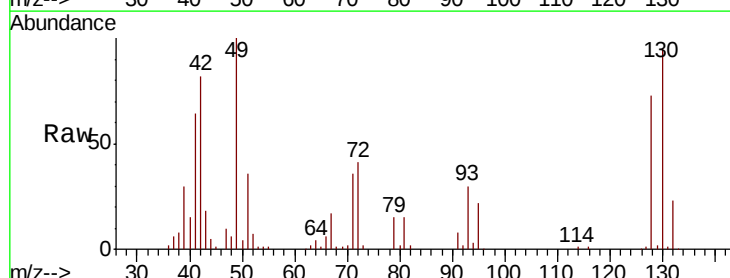
RT: 7.19 min Scan# 1686

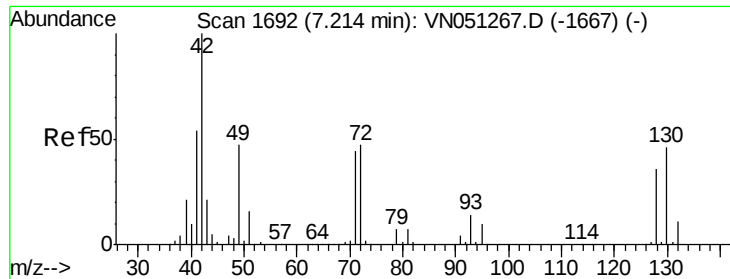
Delta R.T. -0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Tgt Ion:	49	Resp:	217681
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	95.0	73.7	110.5





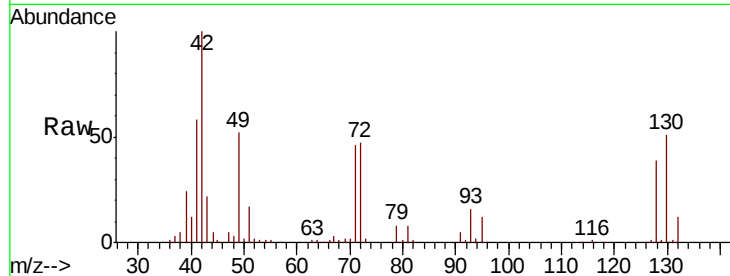
#29
Tetrahydrofuran
Concen: 241.72 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

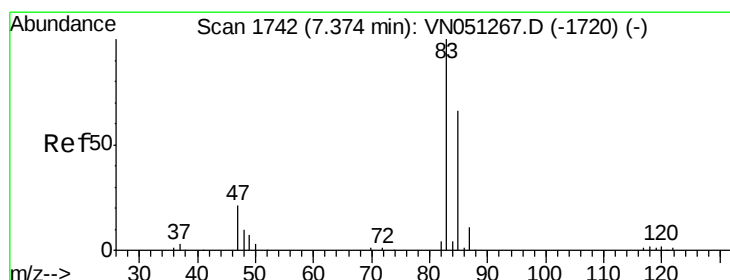
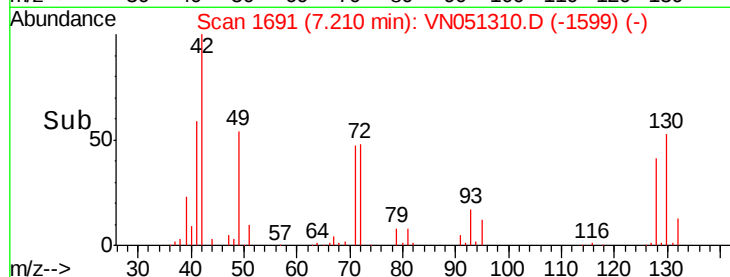
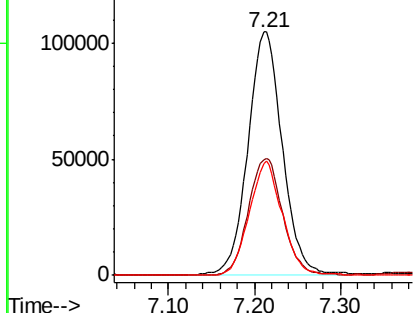
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	37.6	56.4
71	45.1	35.4	53.2

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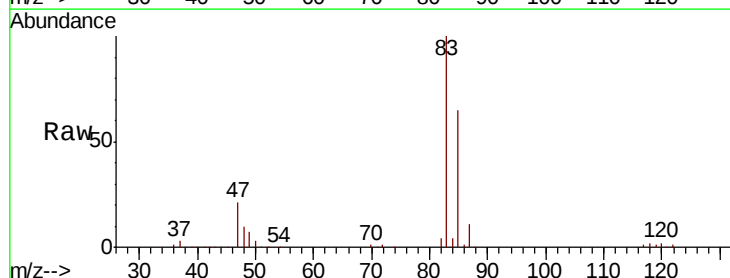


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

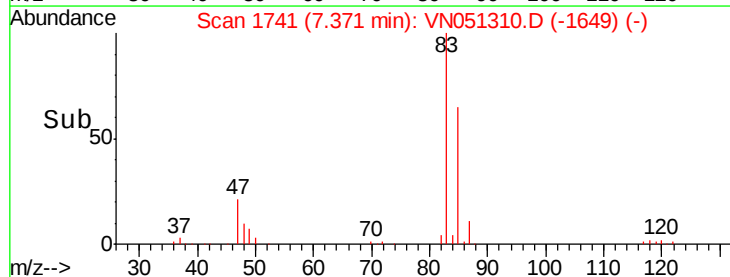
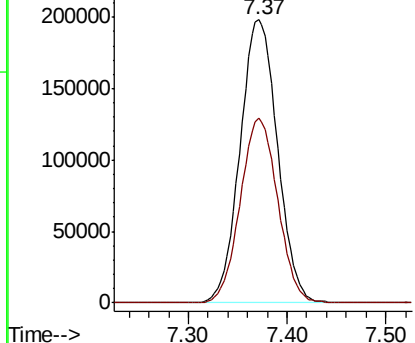


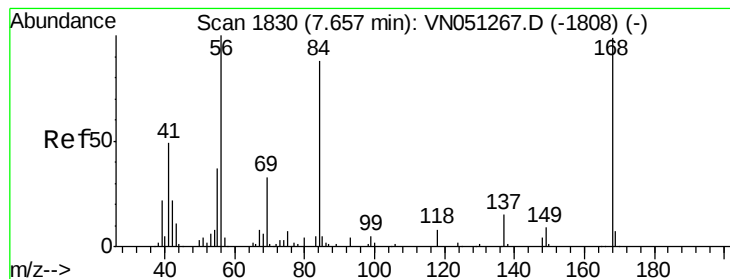
#30
Chloroform
Concen: 47.28 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO





#31

Cyclohexane

Concen: 46.38 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

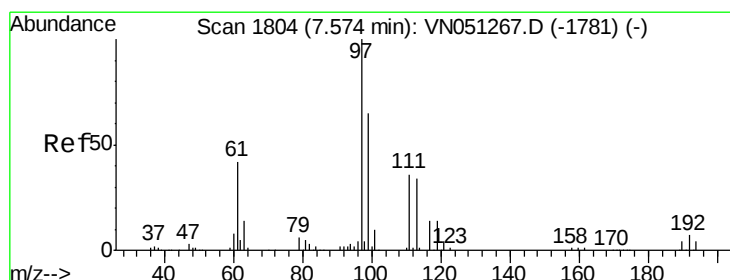
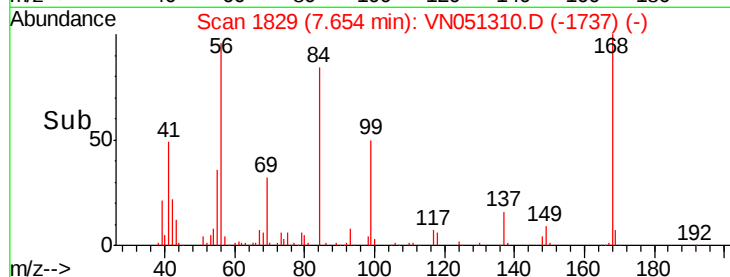
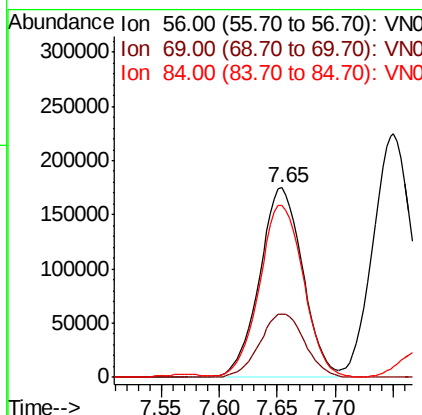
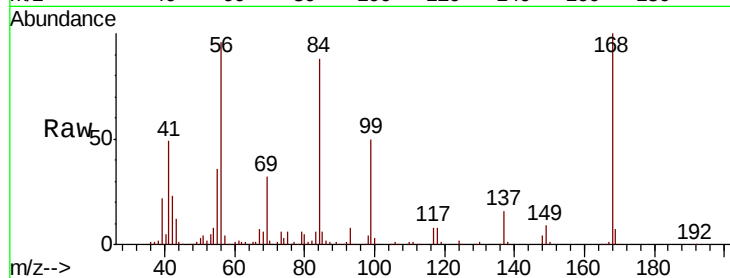
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	453310
Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.2	39.2
84	89.6	70.6	106.0

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#32

1,1,1-Trichloroethane

Concen: 48.36 ug/l

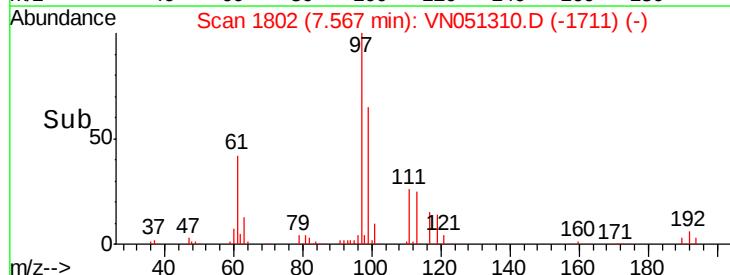
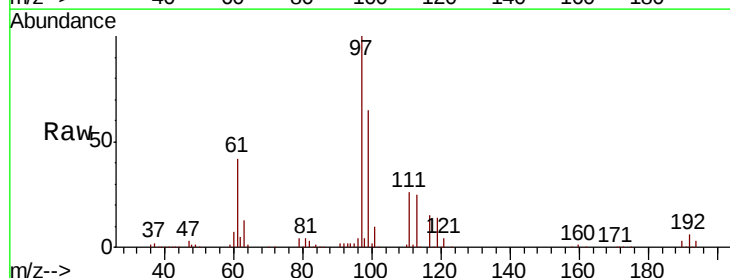
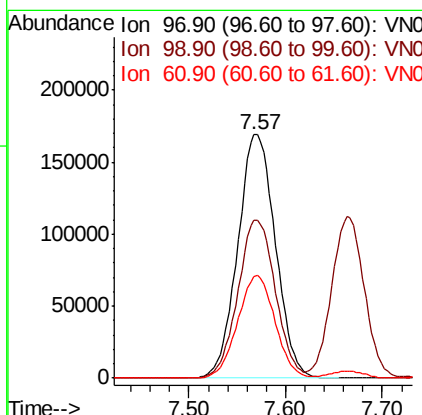
RT: 7.57 min Scan# 1802

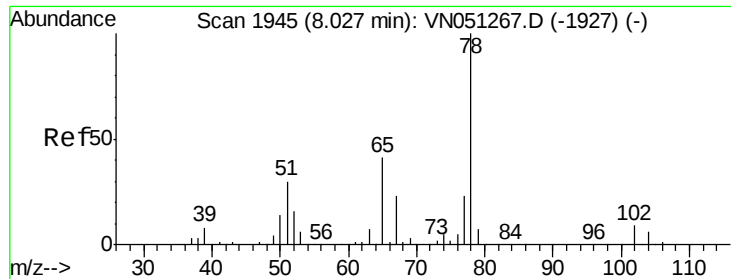
Delta R.T. -0.01 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Tgt Ion:	97	Resp:	457365
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	41.7	33.4	50.2





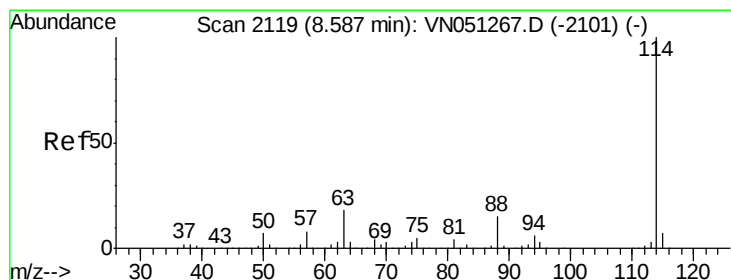
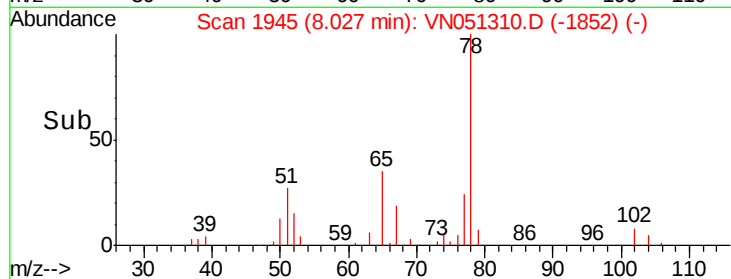
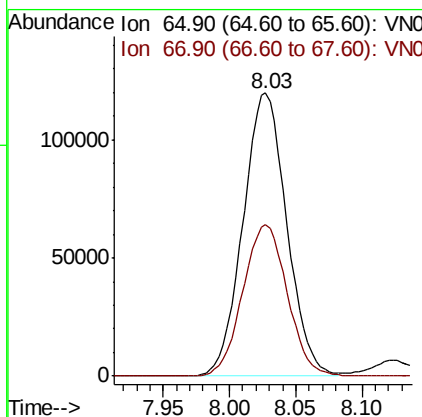
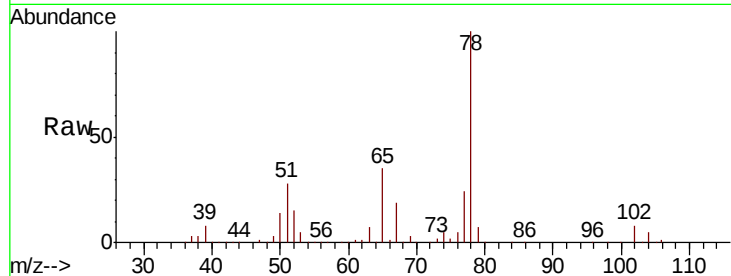
#33
 1,2-Dichloroethane-d4
 Concen: 45.30 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	274455		
67	54.5	0.0	111.0	

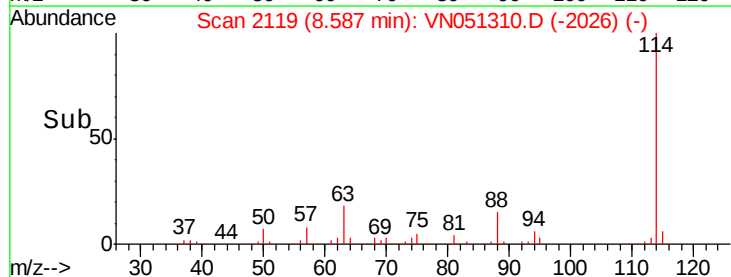
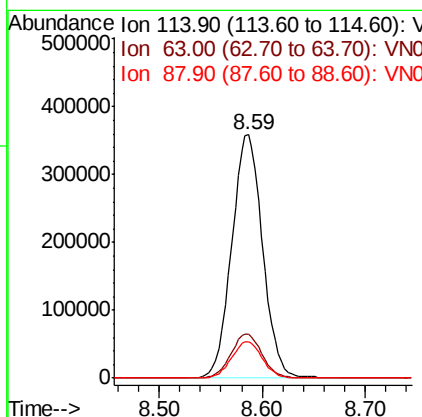
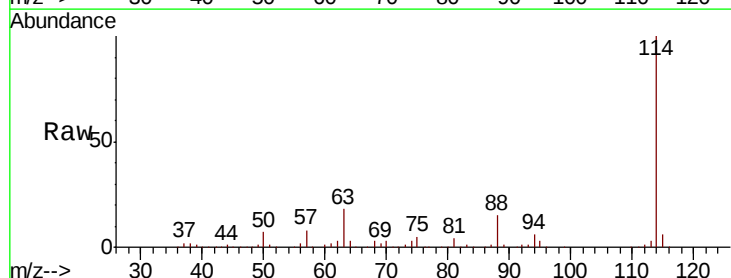
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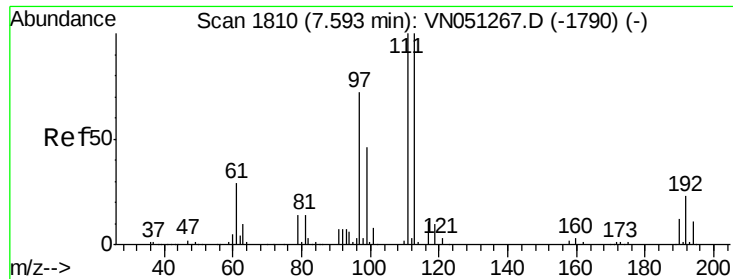
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	746292		
63	17.9	0.0	36.8	
88	15.2	0.0	30.8	





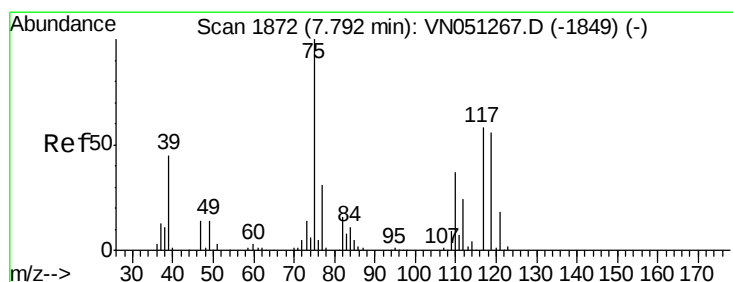
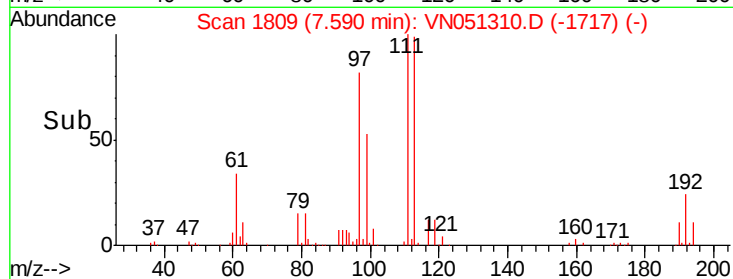
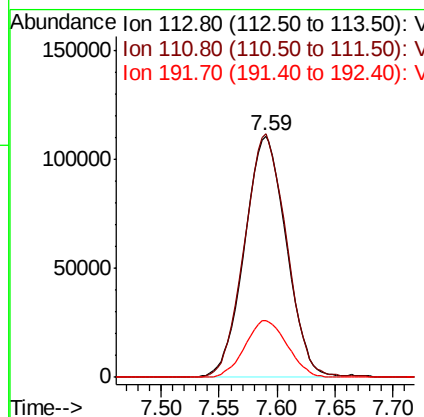
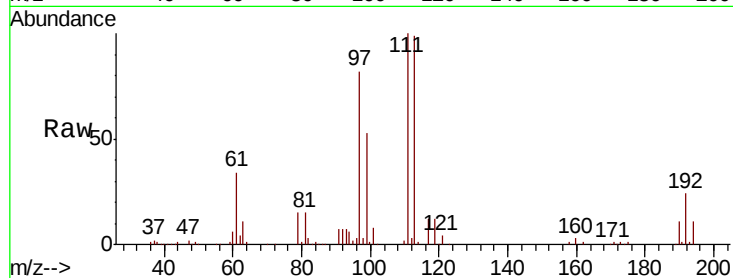
#35
 Dibromofluoromethane
 Concen: 47.93 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	277968		
111	101.7	82.2	123.4	
192	23.9	19.0	28.6	

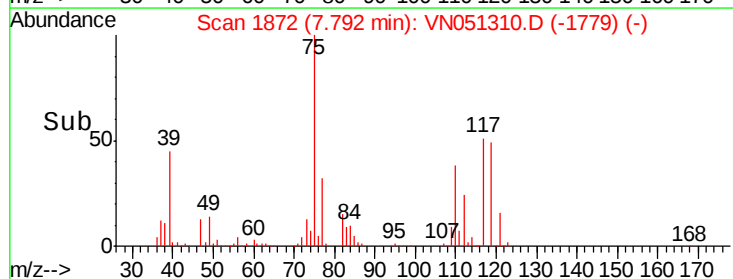
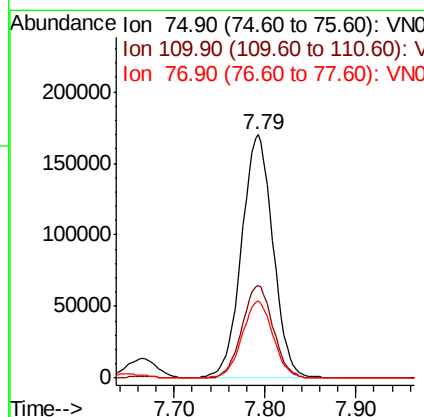
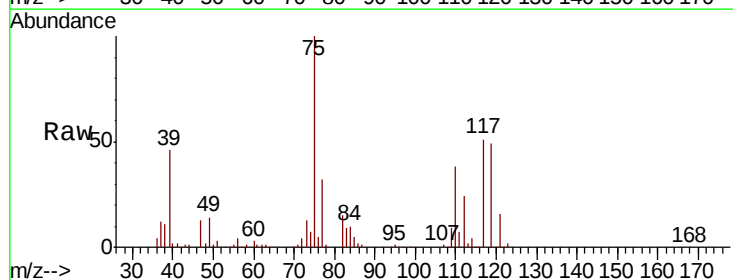
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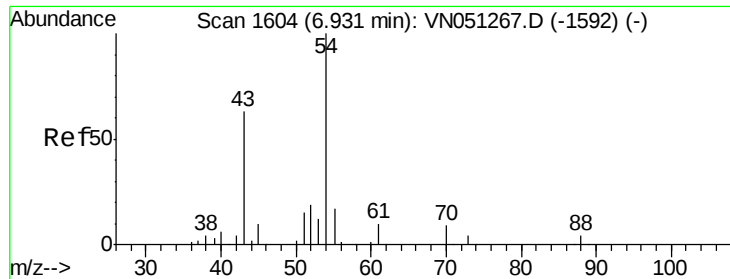
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#36
 1,1-Dichloropropene
 Concen: 50.27 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	406070		
110	37.8	18.6	56.0	
77	31.6	24.7	37.1	





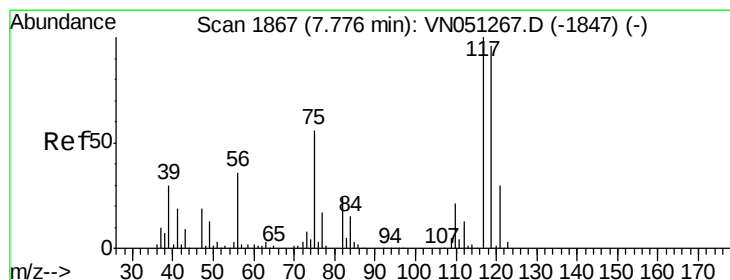
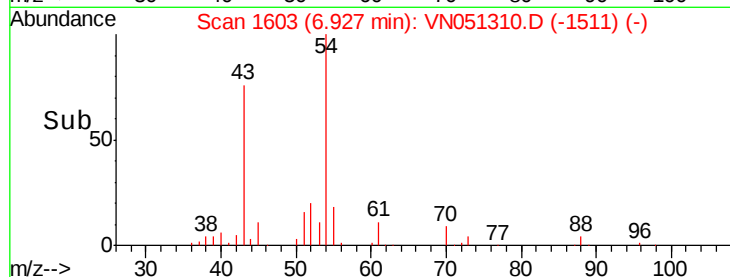
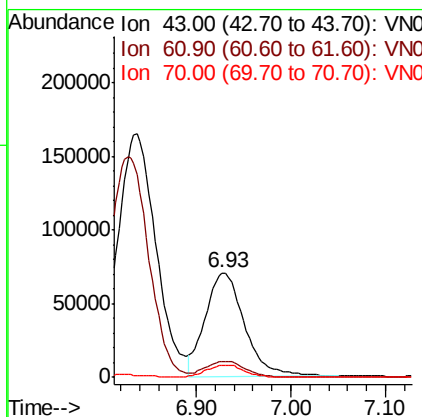
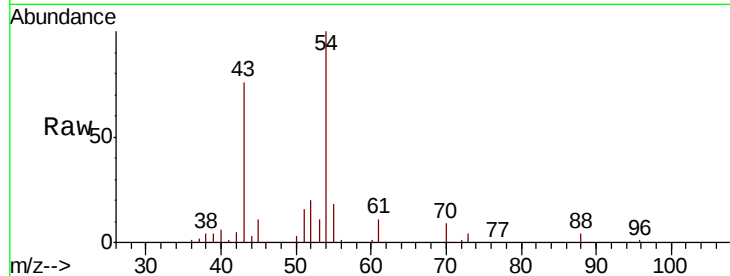
#37
Ethyl Acetate
Concen: 49.00 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.3	18.5
70	11.8	9.4	14.0

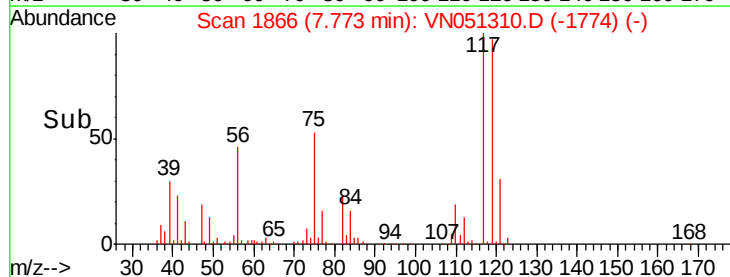
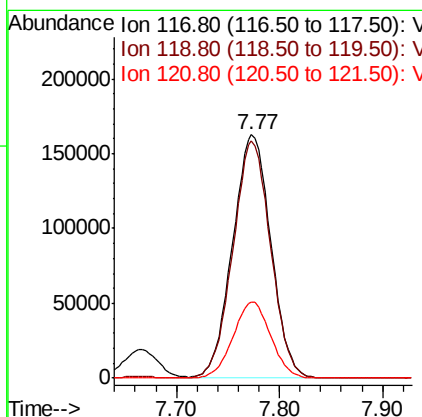
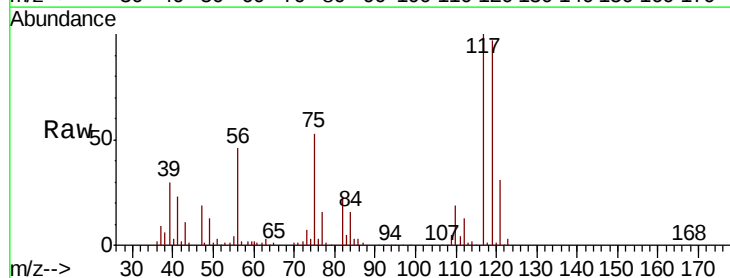
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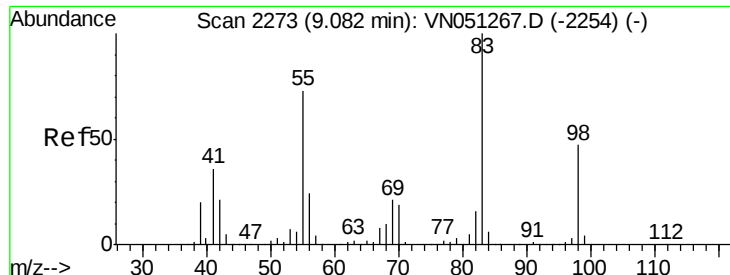
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#38
Carbon Tetrachloride
Concen: 49.83 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.8	115.2
121	31.4	24.2	36.2





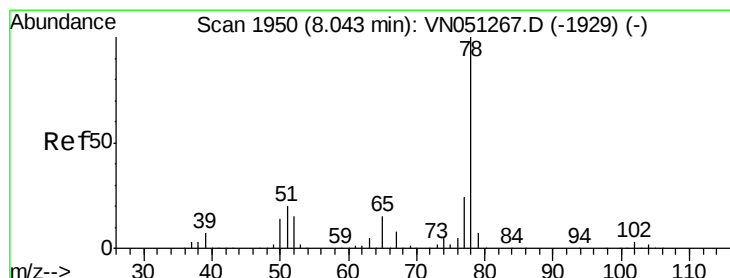
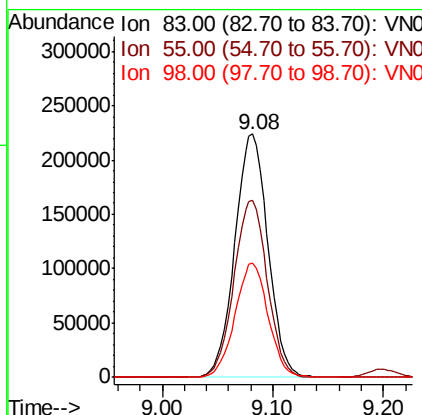
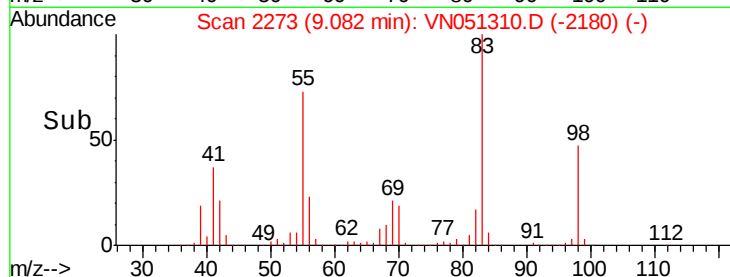
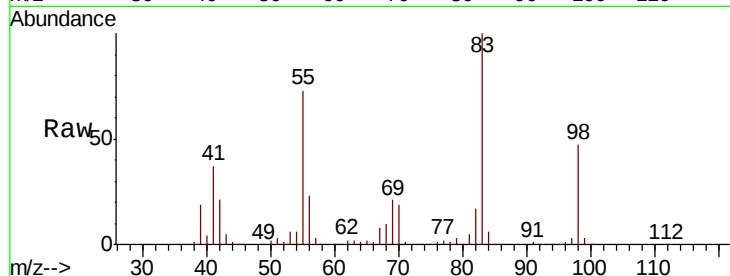
#39
Methvlcvclohexane
Concen: 52.93 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	464497
Ion Ratio	100	Lower	Upper
83	100		
55	72.6	58.7	88.1
98	47.1	37.3	55.9

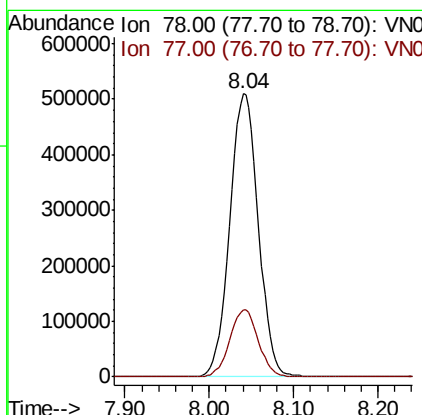
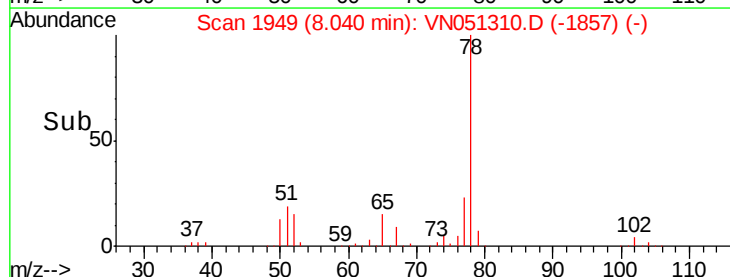
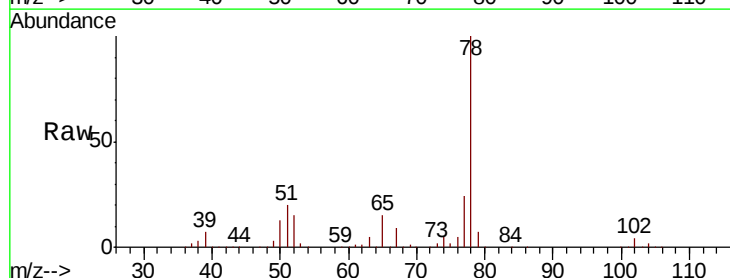
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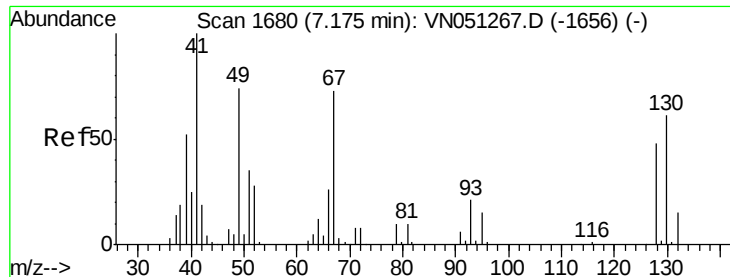
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#40
Benzene
Concen: 49.95 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	78	Resp	1200600
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	19.0	28.4





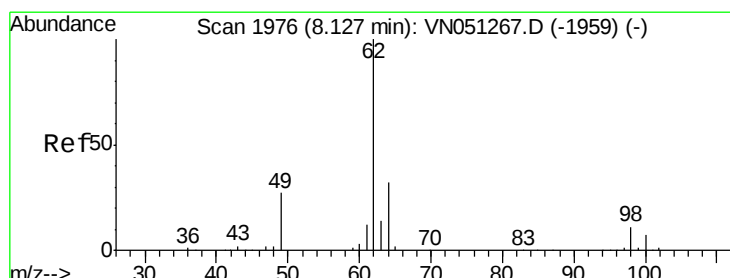
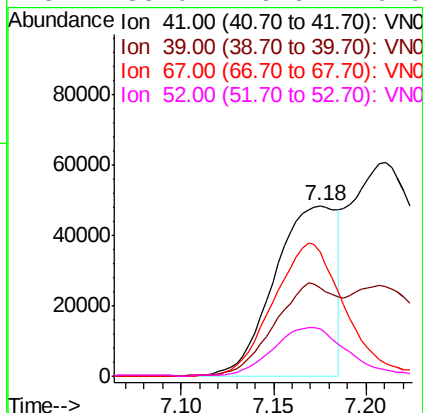
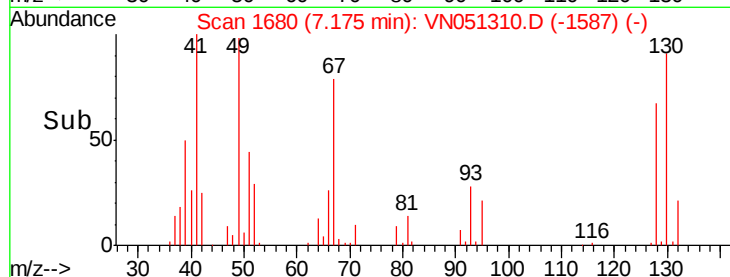
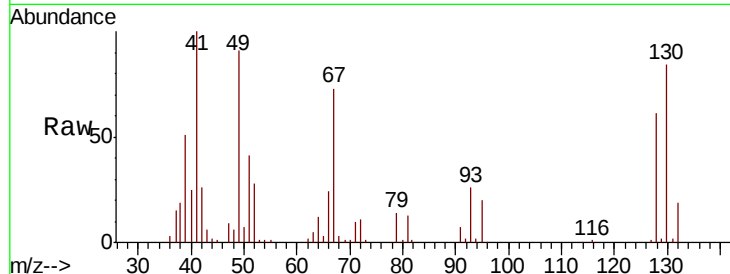
#41
Methacrylonitrile
Concen: 53.28 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	113538
Ion Ratio	Lower	Upper	
41	100		
39	56.1	47.8	71.6
67	89.1	69.8	104.6
52	35.0	26.6	40.0

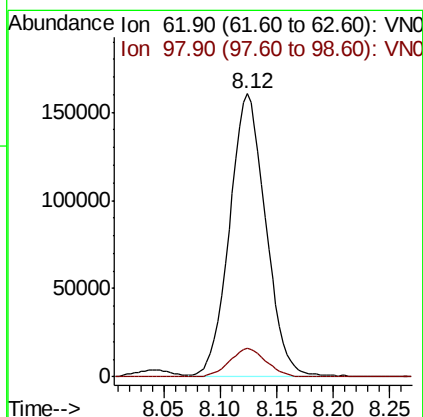
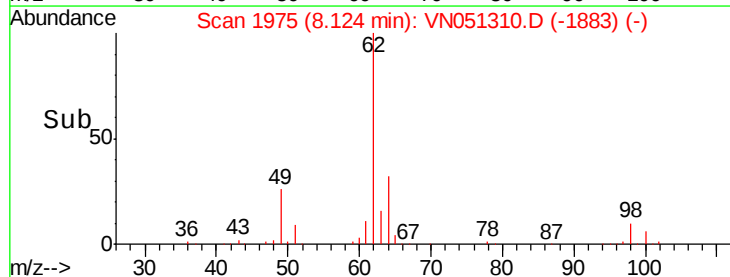
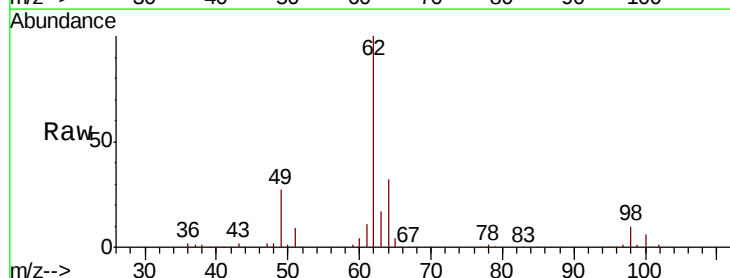
Manual Integrations
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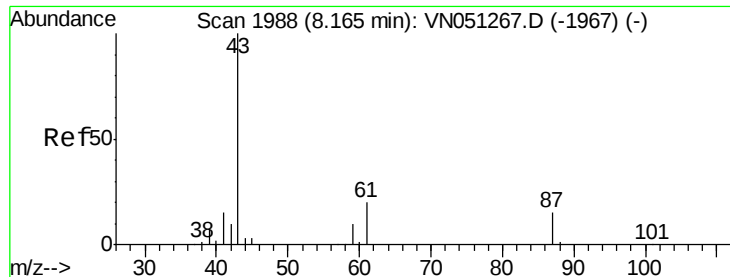
MMDadoda
9/20/2018 1:42:07 PM



#42
1,2-Dichloroethane
Concen: 50.04 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	62	Resp	353685
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	21.0





#43

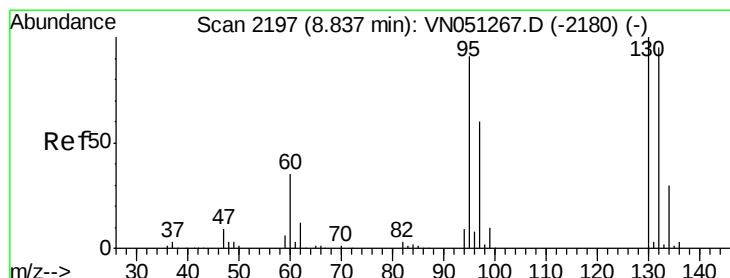
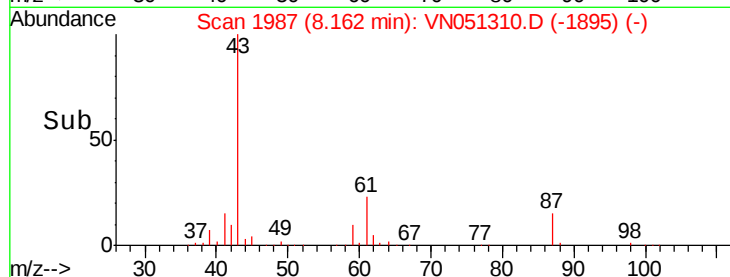
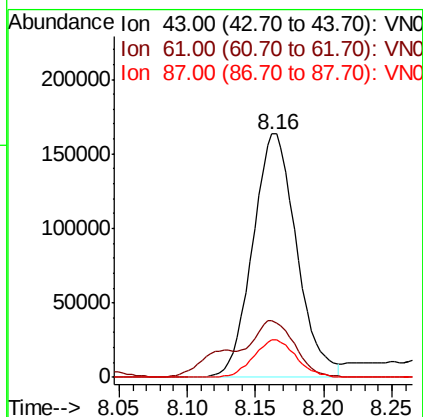
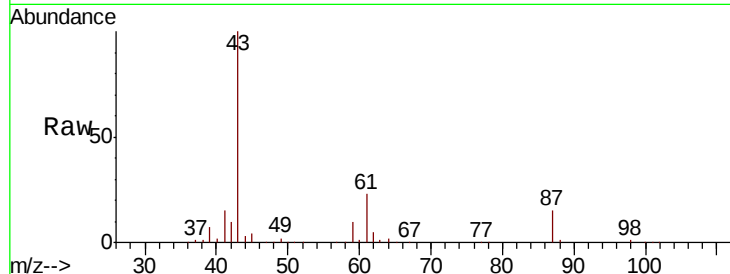
Isopropyl Acetate
 Concen: 50.65 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.4	26.2
87	15.1	12.2	18.4

Manual Integrations
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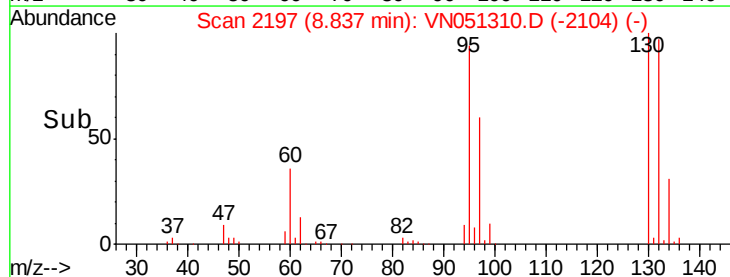
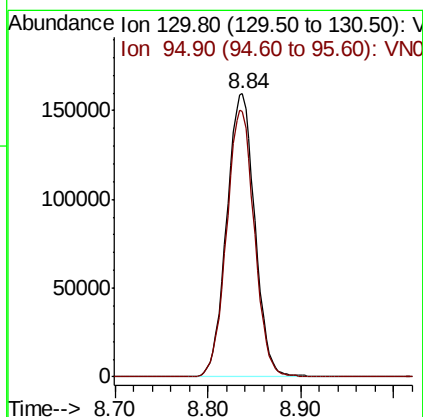
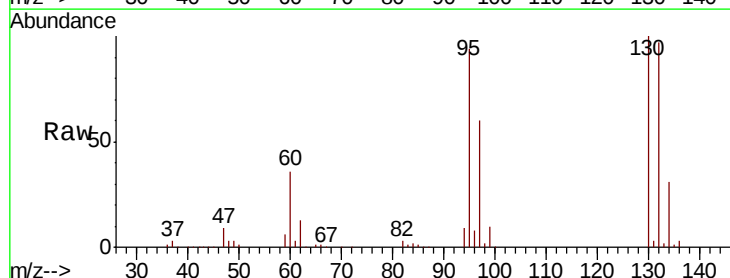
MMDadoda
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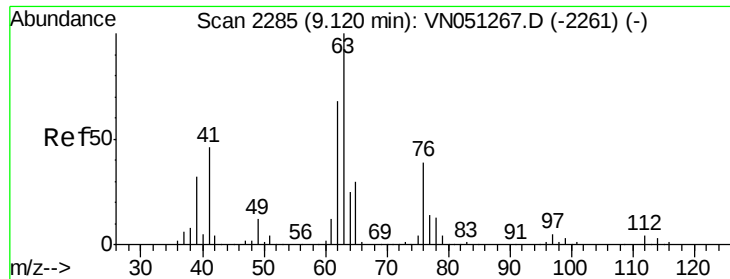


#44

Trichloroethene
 Concen: 49.71 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	181.8





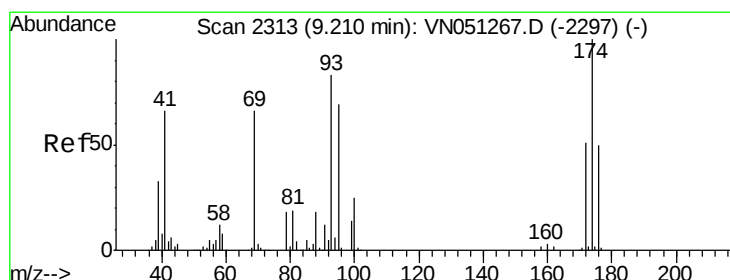
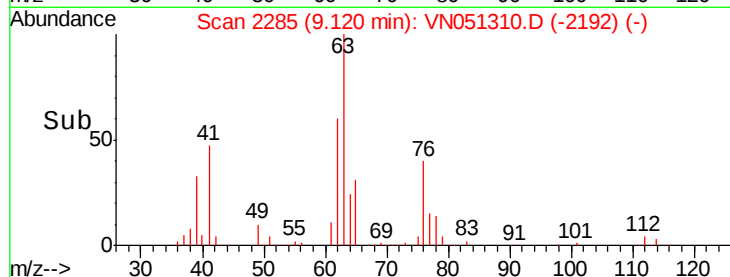
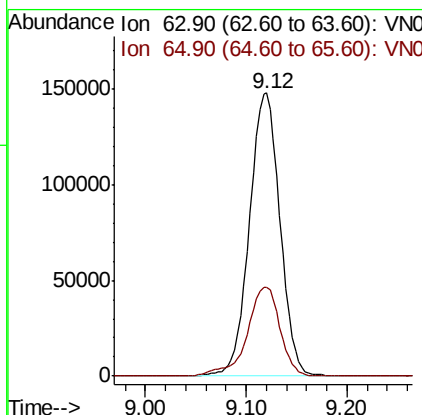
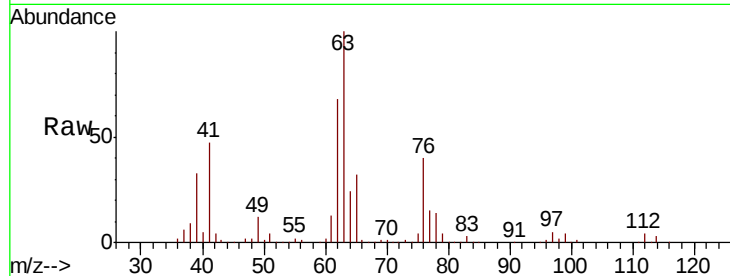
#45
 1,2-Dichloropropane
 Concen: 50.76 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.2	36.4

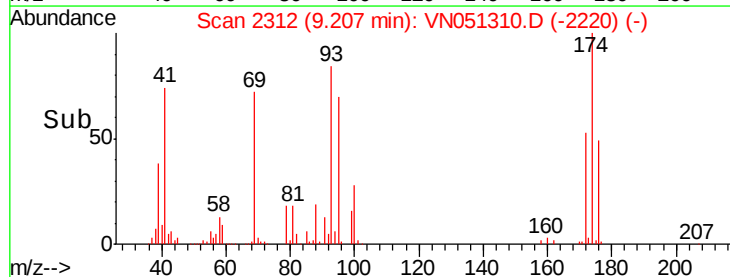
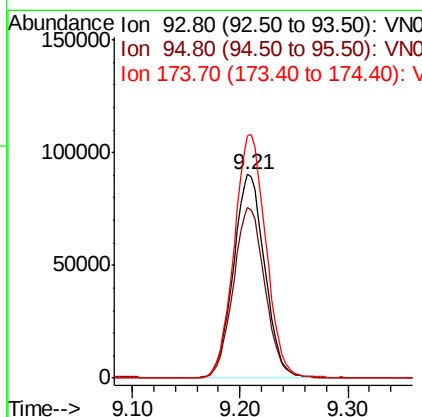
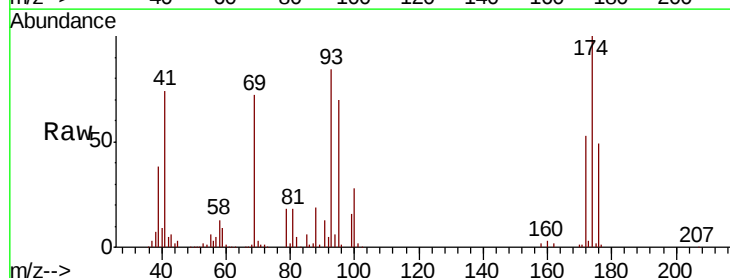
Manual Integrations
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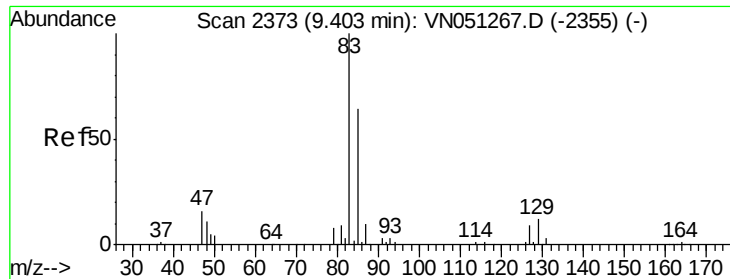
MMDadoda
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#46
 Dibromomethane
 Concen: 49.53 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	66.6	100.0
174	121.0	95.6	143.4





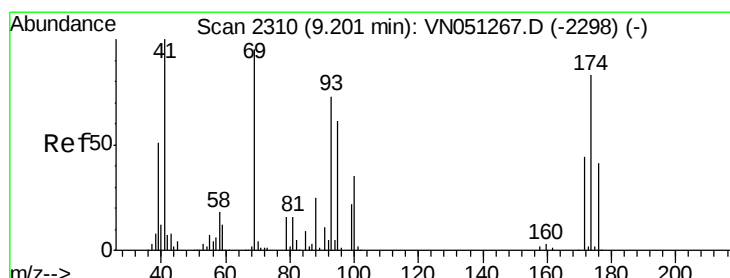
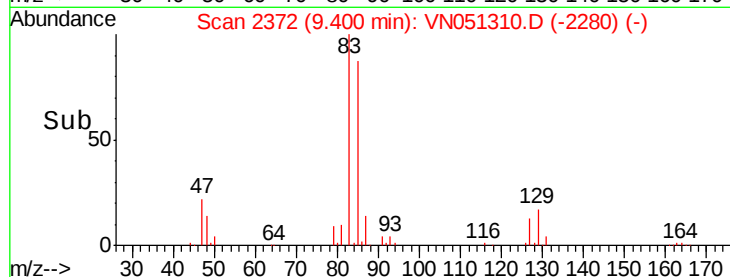
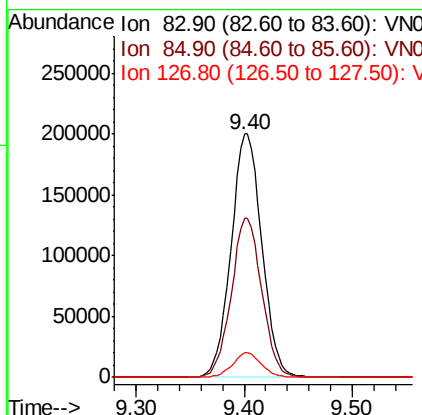
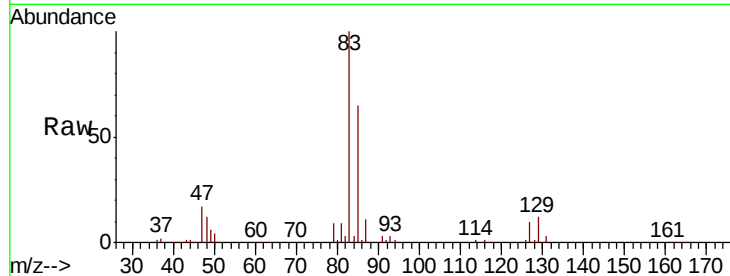
#47
Bromodichloromethane
Concen: 50.29 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.2	51.0	76.4	
127	9.9	7.1	10.7	

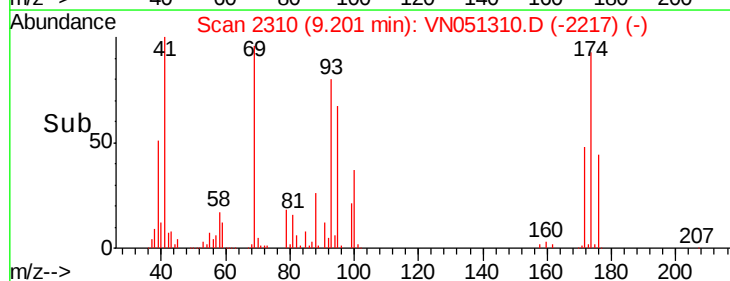
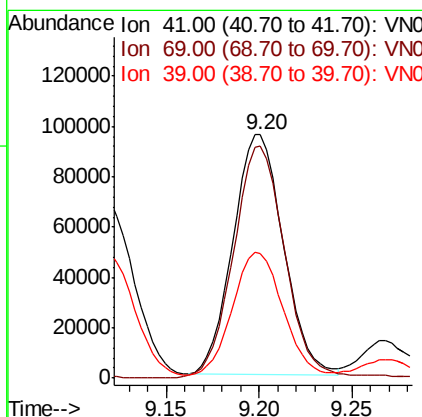
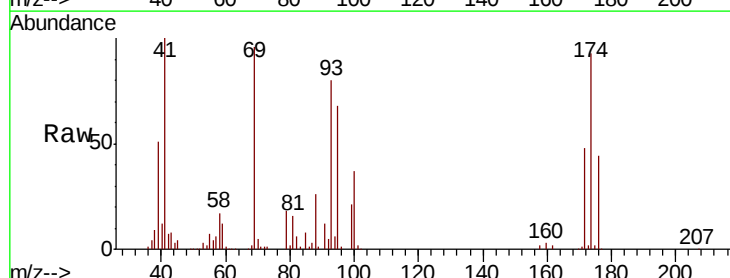
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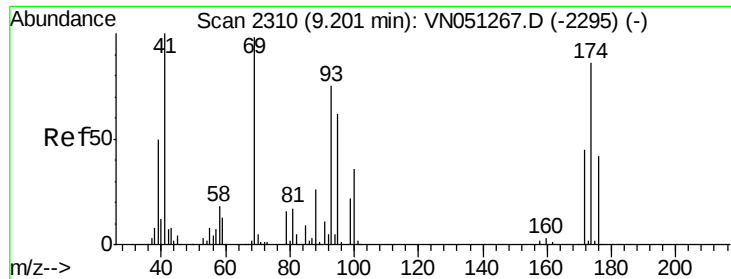
MMDadoda
9/20/2018 1:42:07 PM



#48
Methyl methacrylate
Concen: 52.33 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	98.8	78.9	118.3	
39	52.8	42.2	63.2	





#49

1,4-Dioxane

Concen: 1021.73 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

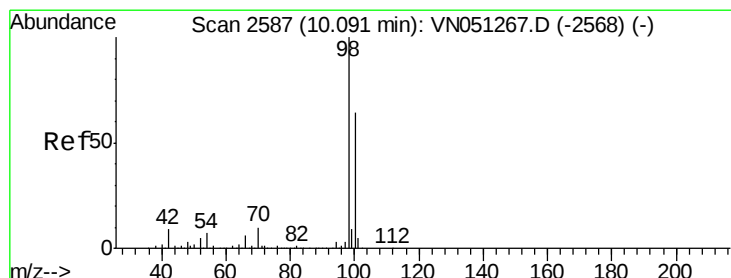
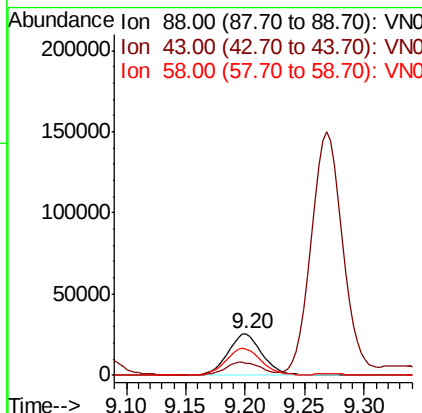
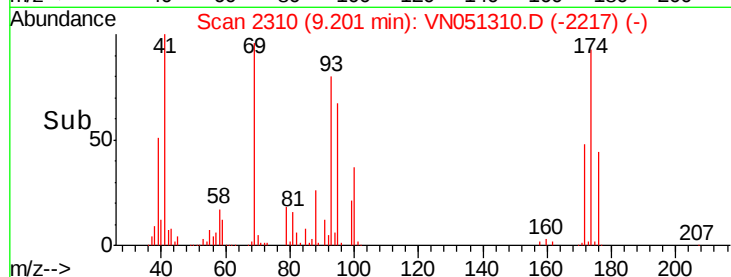
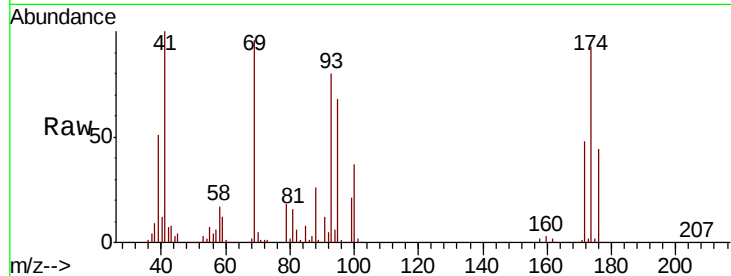
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	51158
Ion	Ratio	Lower	Upper
88	100		
43	30.4	25.3	37.9
58	68.0	54.9	82.3

Manual Integrations
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#50

Toluene-d8

Concen: 48.43 ug/l

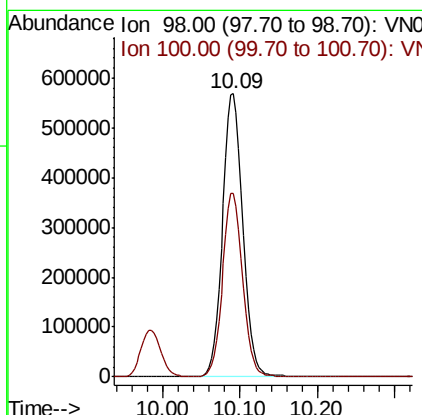
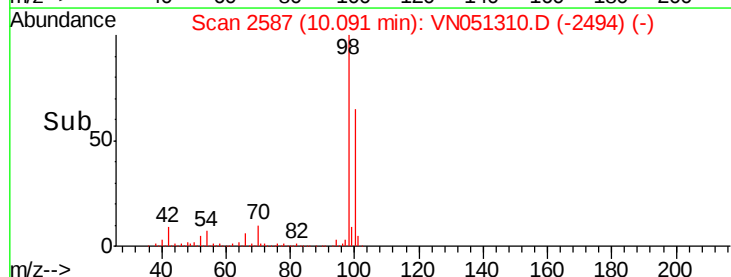
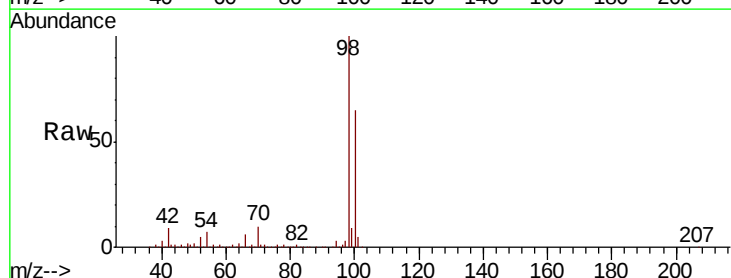
RT: 10.09 min Scan# 2587

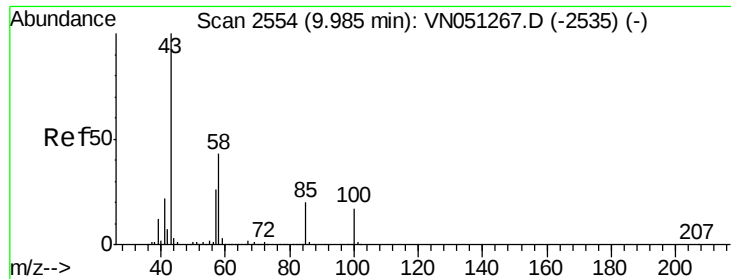
Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Tgt Ion:	98	Resp:	1038189
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





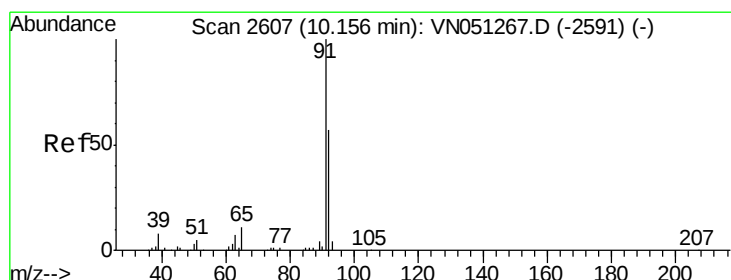
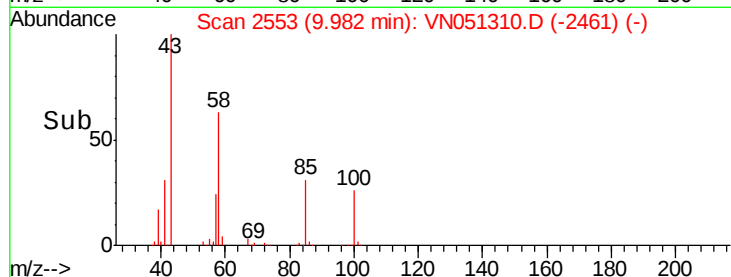
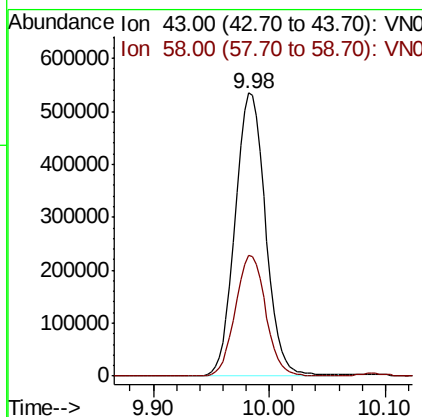
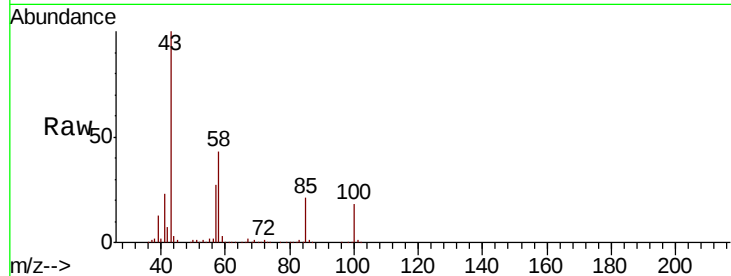
#51
4-Methyl-2-Pentanone
Concen: 262.60 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.6	33.8	50.6

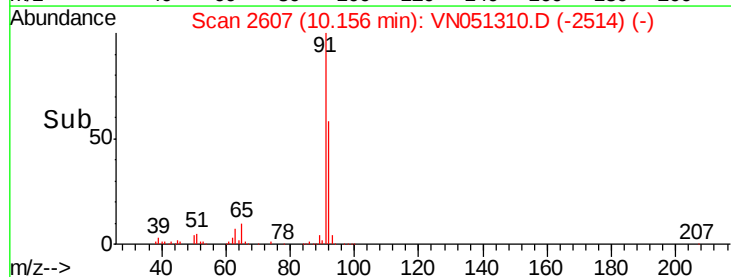
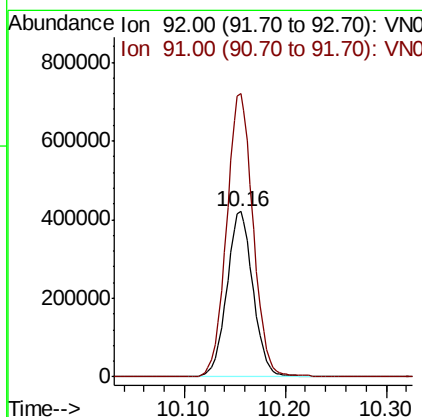
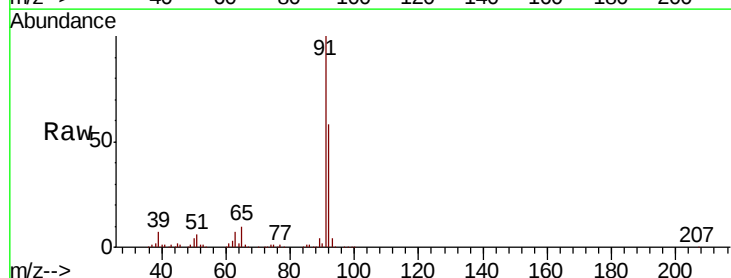
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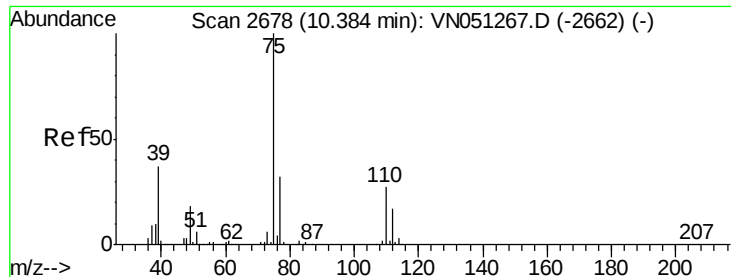
MMDadoda
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#52
Toluene
Concen: 52.94 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.3	139.2	208.8





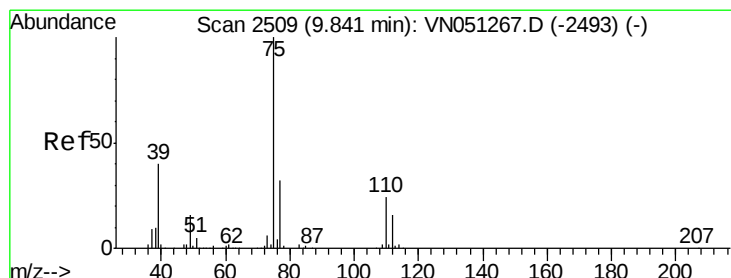
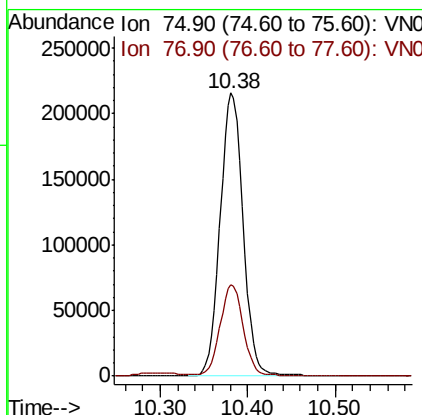
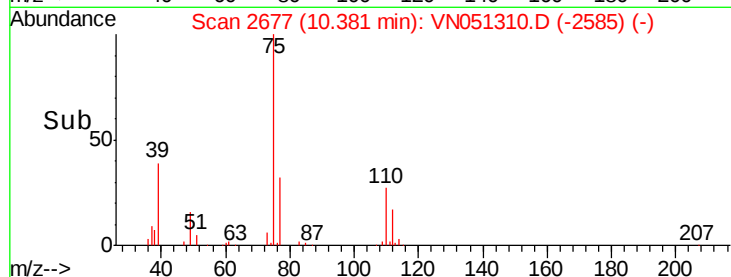
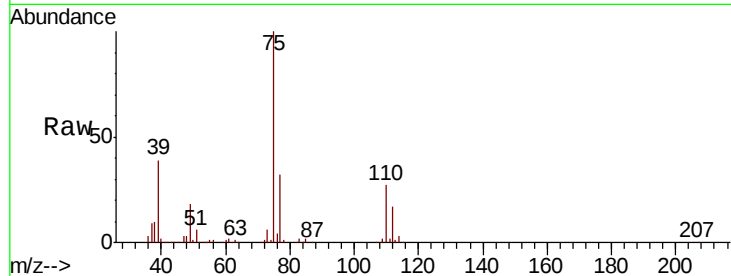
#53
t-1,3-Dichloropropene
Concen: 52.92 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3

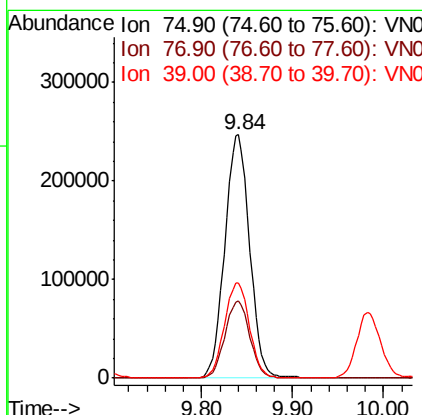
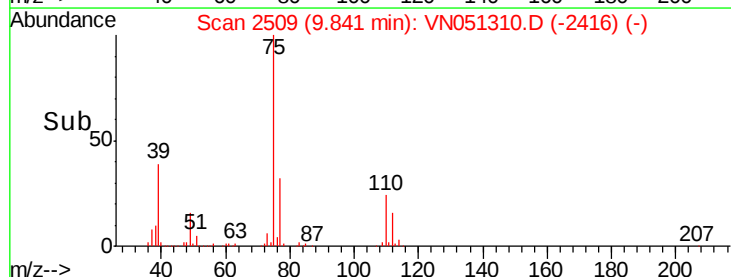
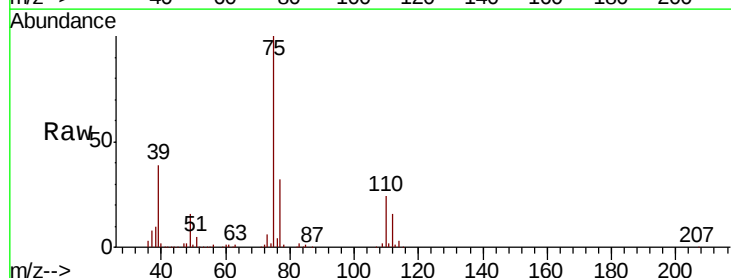
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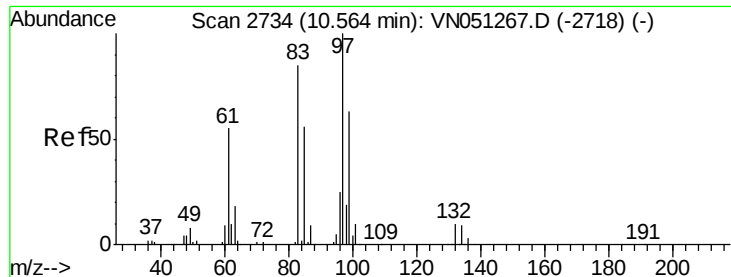
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#54
cis-1,3-Dichloropropene
Concen: 52.84 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8
39	39.2	31.8	47.8





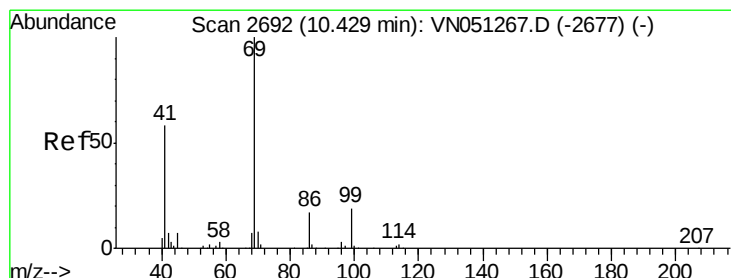
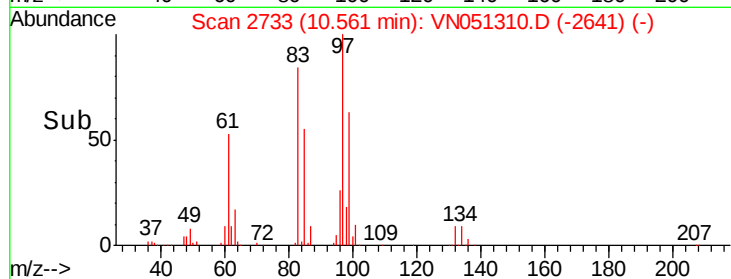
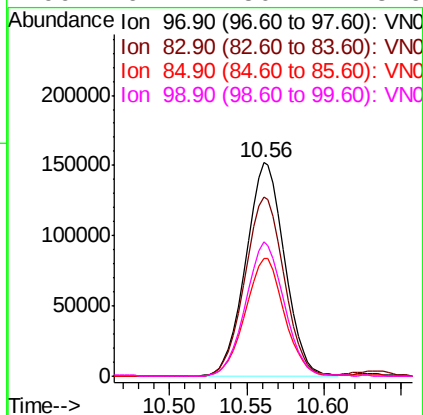
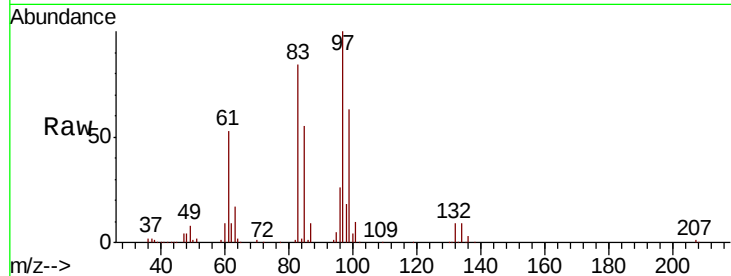
#55
 1,1,2-Trichloroethane
 Concen: 51.75 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	266274
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.7	101.5
85	55.4	44.5	66.7
99	62.7	50.4	75.6

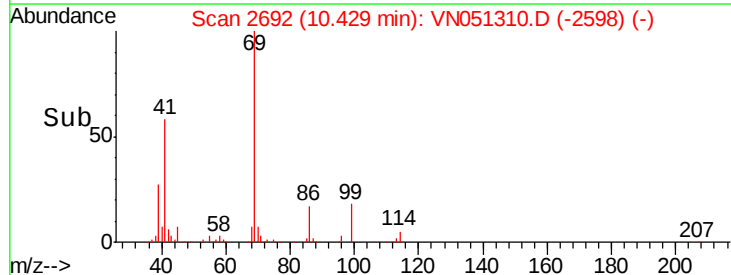
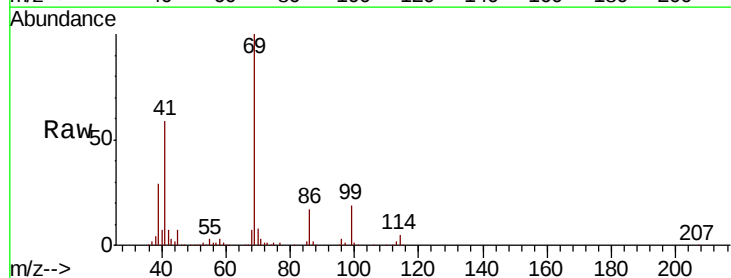
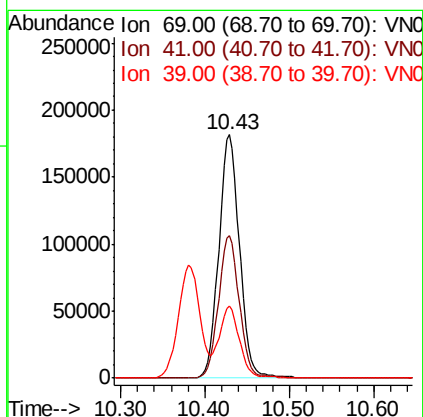
Manual Integrations
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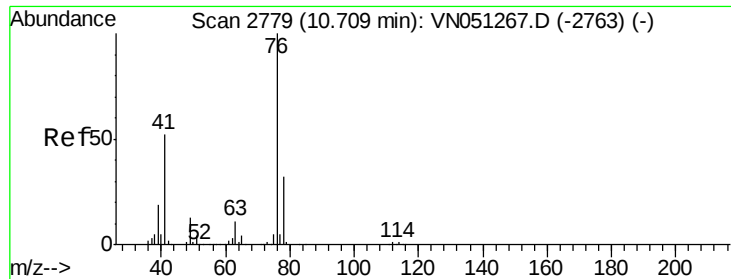
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 9/20/2018 1:42:07 PM



#56
 Ethyl methacrylate
 Concen: 47.34 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion:	69	Resp:	309098
Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.4	71.0
39	28.9	23.7	35.5





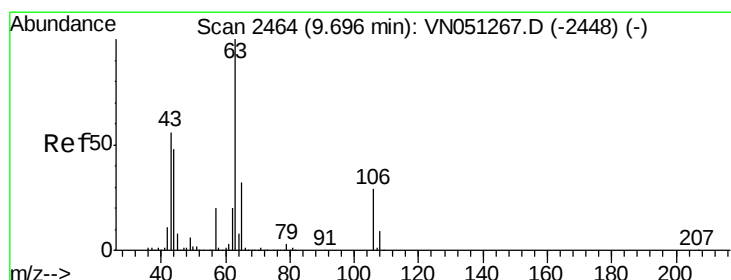
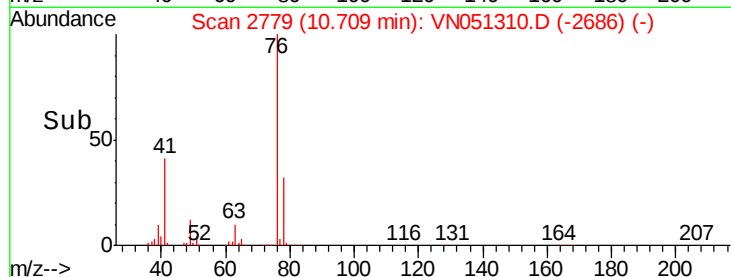
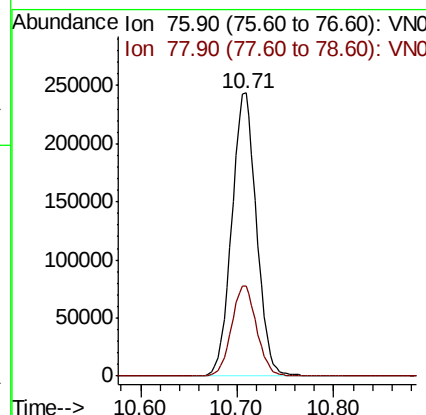
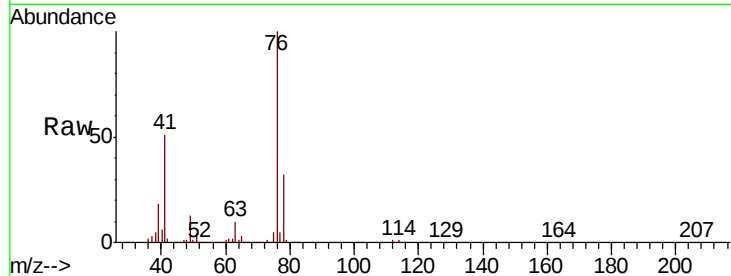
#57
 1,3-Dichloropropane
 Concen: 51.64 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 432800
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

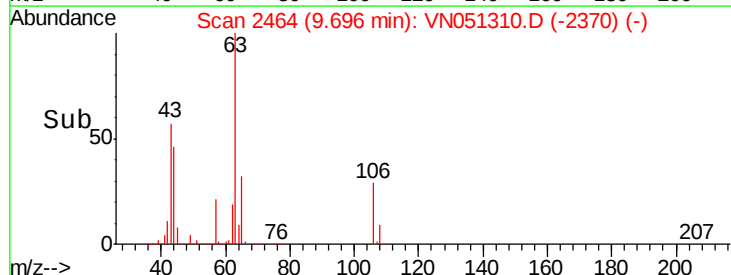
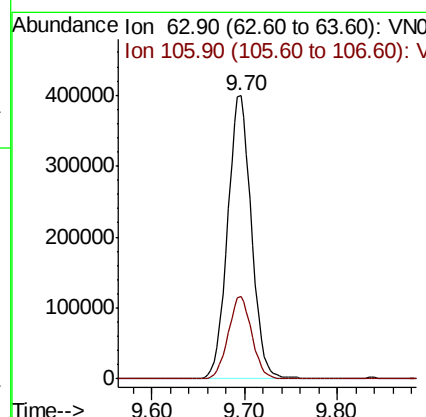
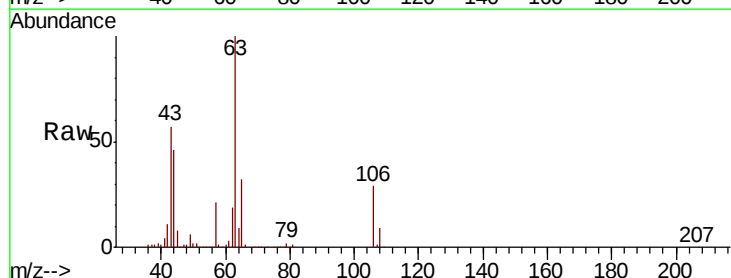
Manual Integrations
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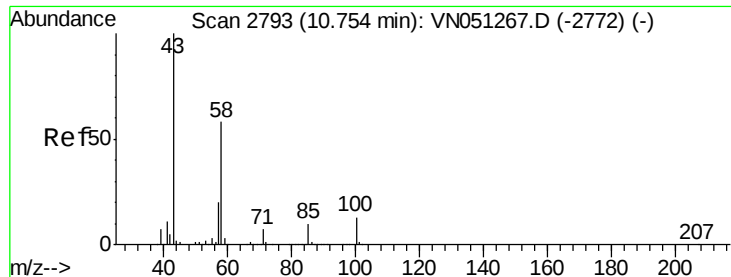
MMDadoda
 9/20/2018 1:42:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.39 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion: 63 Resp: 707648
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.4 35.2





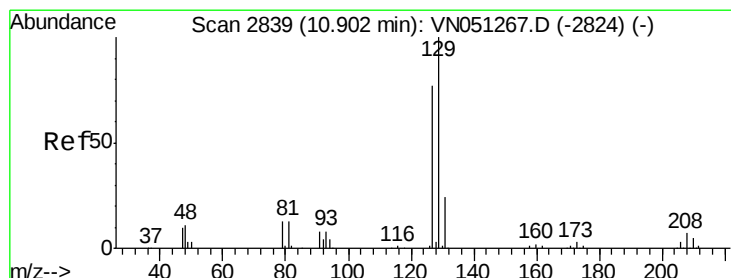
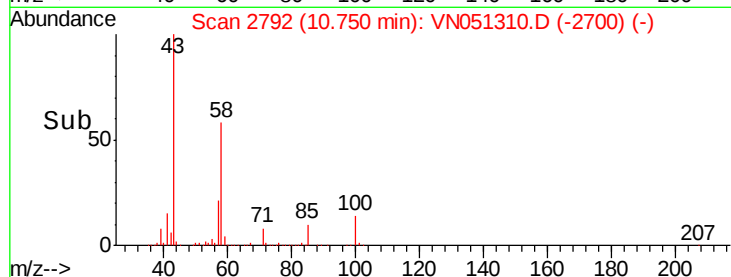
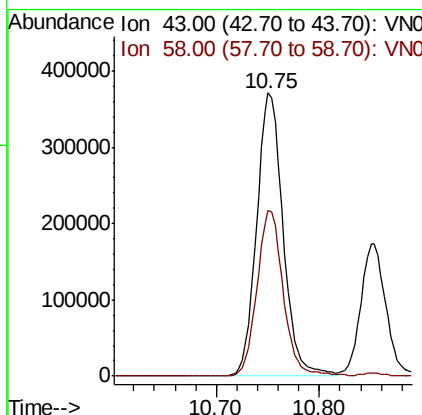
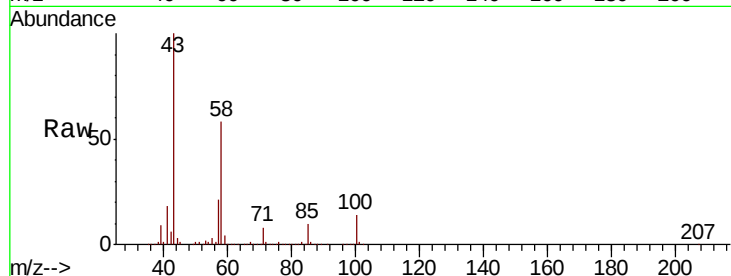
#59
2-Hexanone
Concen: 269.19 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	657181
Ion Ratio	100	Lower	Upper
43	100		
58	58.3	28.9	86.8

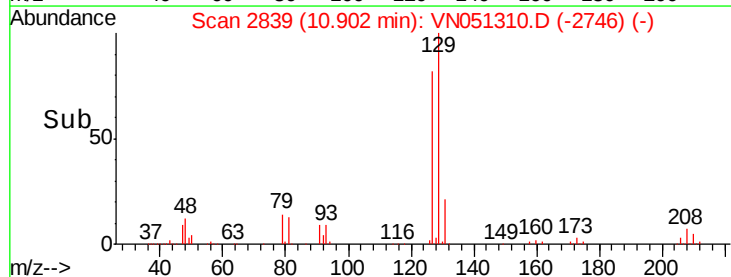
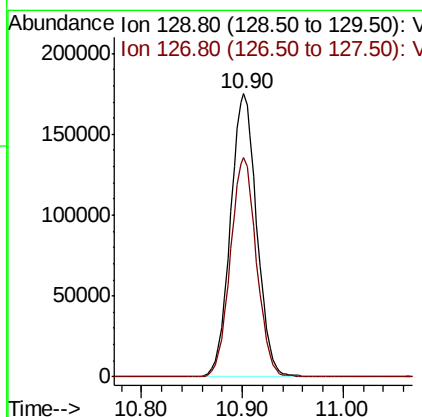
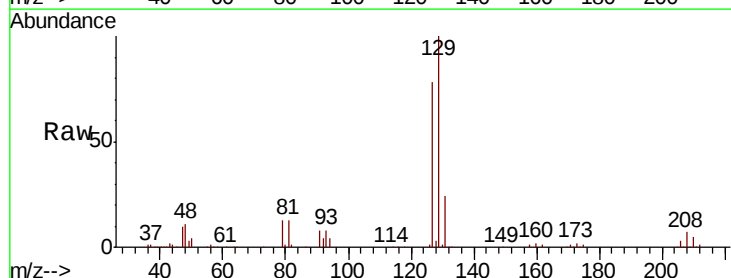
Manual Integrations
APPROVED

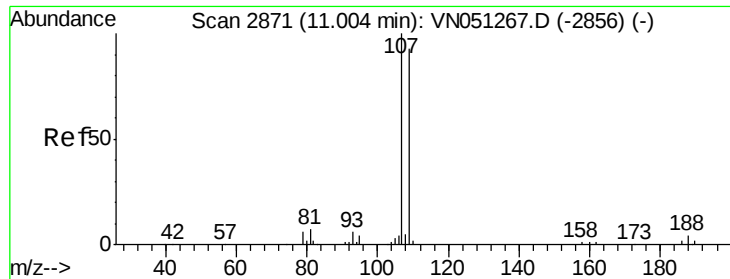
MMDadoda
9/20/2018 1:42:07 PM



#60
Dibromochloromethane
Concen: 52.49 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	129	Resp	317804
Ion Ratio	100	Lower	Upper
129	100		
127	76.7	38.3	114.9





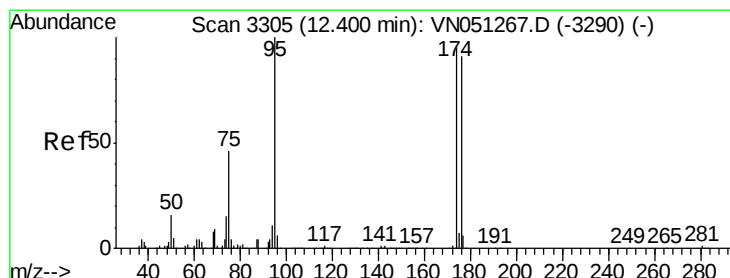
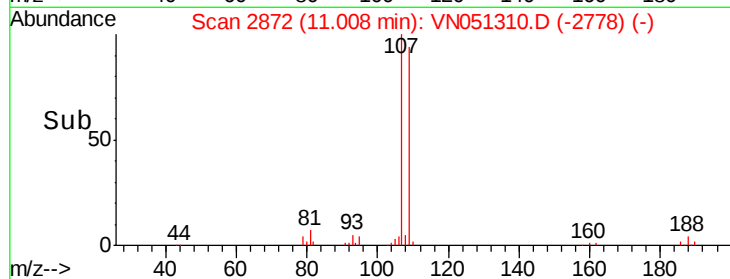
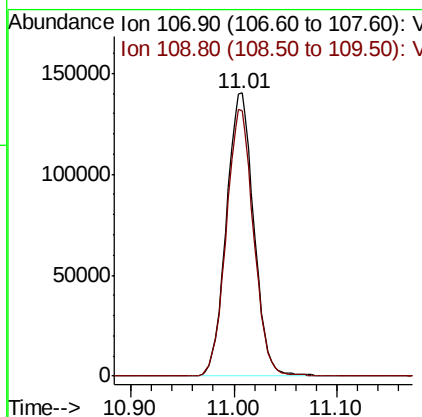
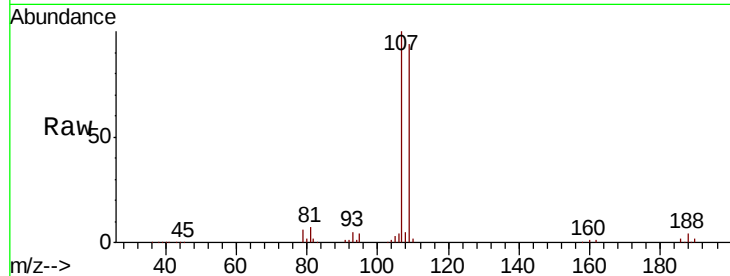
#61
 1,2-Dibromoethane
 Concen: 52.58 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 260014
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.7 112.1

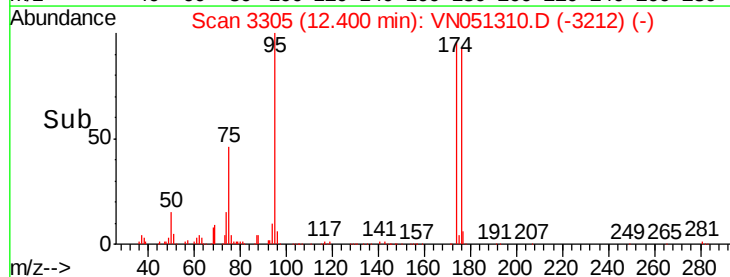
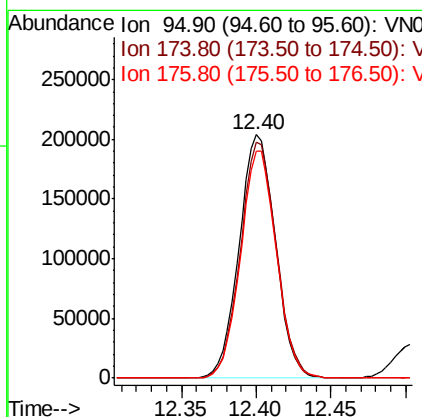
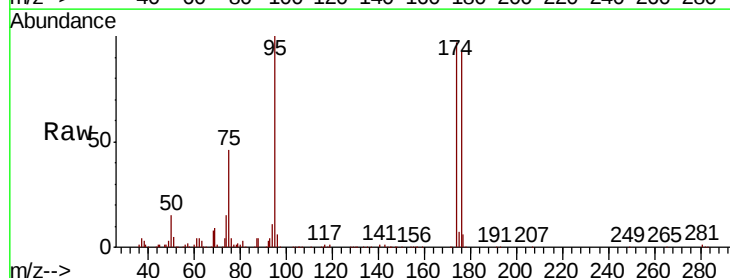
Manual Integrations
 APPROVED

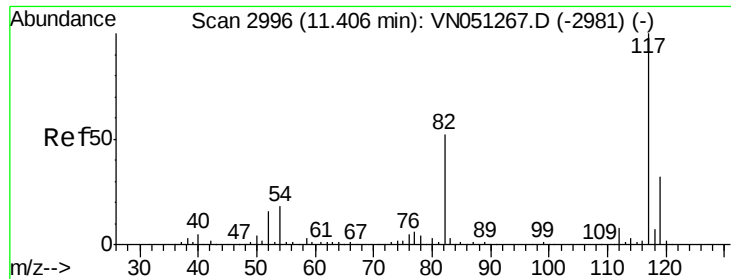
MMDadoda
 9/20/2018 1:42:07 PM



#62
 4-Bromofluorobenzene
 Concen: 50.36 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion: 95 Resp: 343386
 Ion Ratio Lower Upper
 95 100
 174 96.5 0.0 189.6
 176 92.3 0.0 182.6





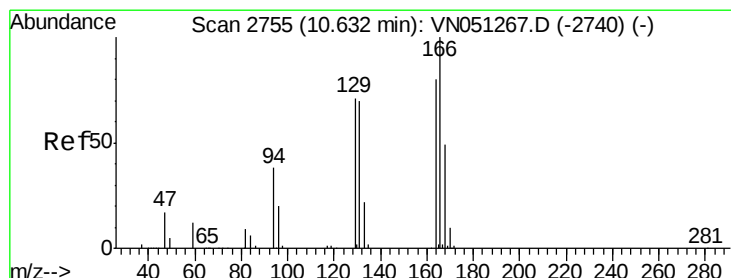
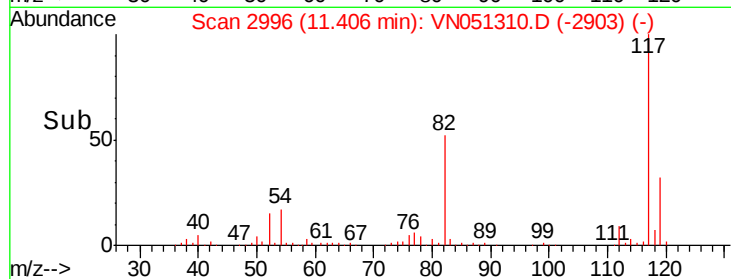
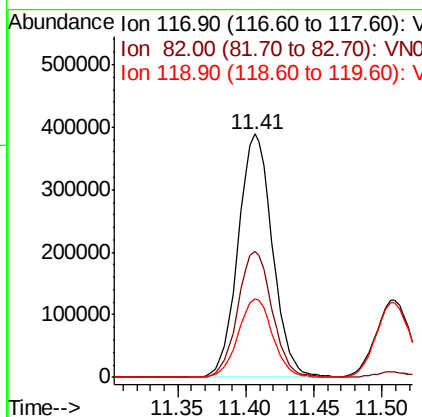
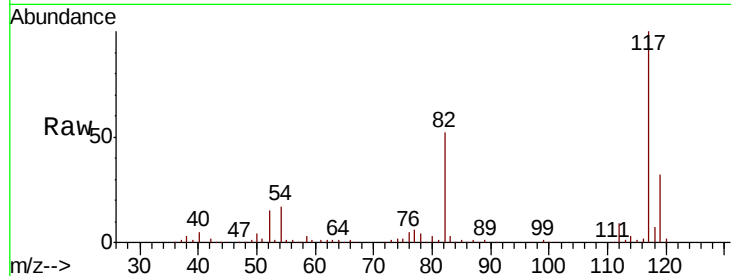
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.8	62.8
119	32.4	25.6	38.4

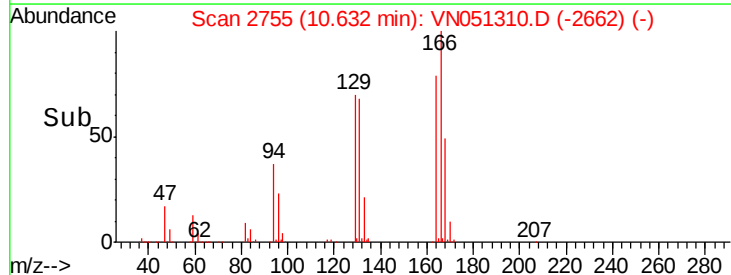
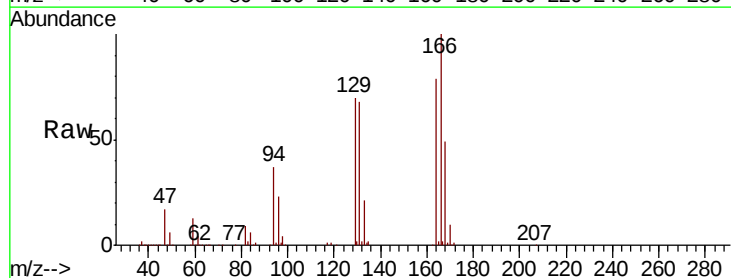
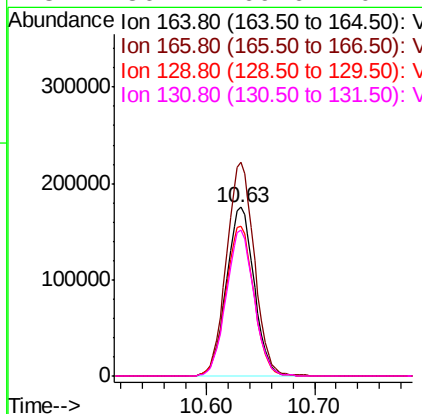
Manual Integrations
APPROVED

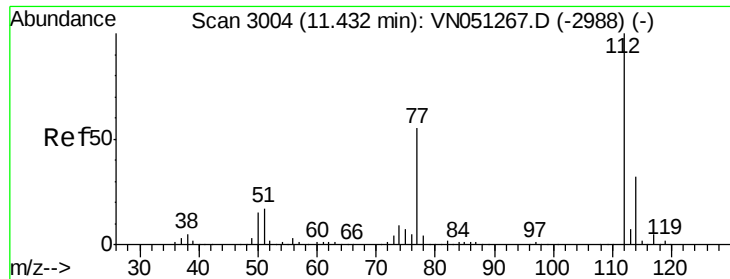
MMDadoda
9/20/2018 1:42:07 PM



#64
Tetrachloroethene
Concen: 48.66 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.0	150.0
129	88.9	70.8	106.2
131	86.1	69.6	104.4





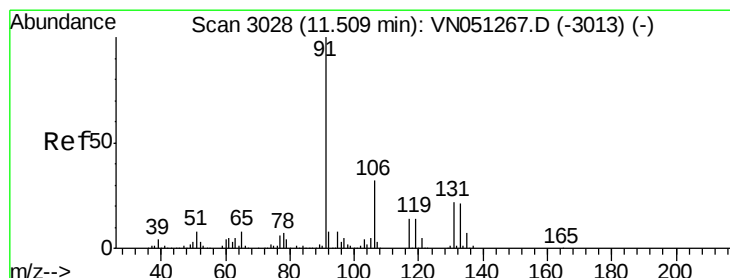
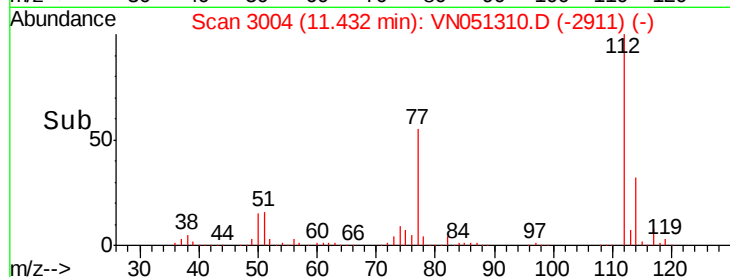
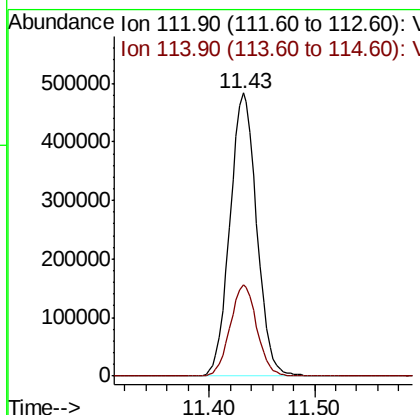
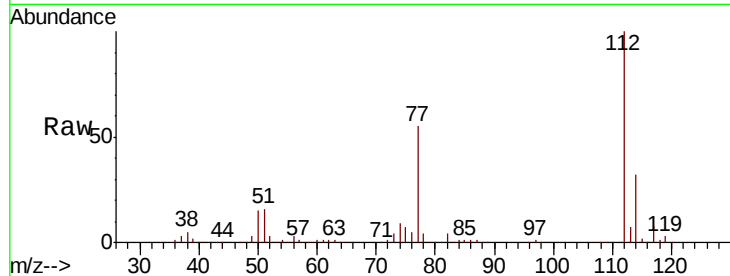
#65
Chlorobenzene
Concen: 50.33 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 846604
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9

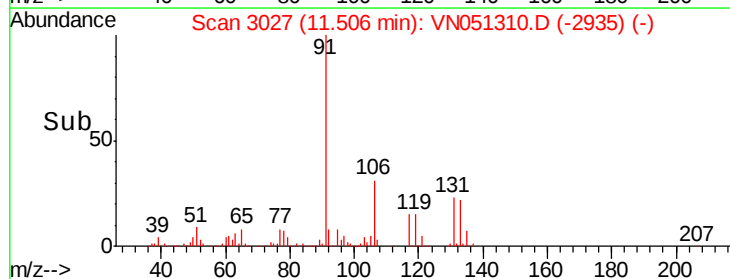
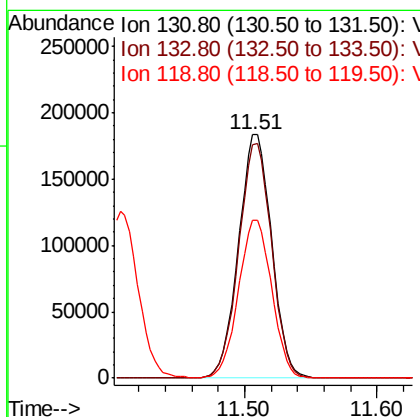
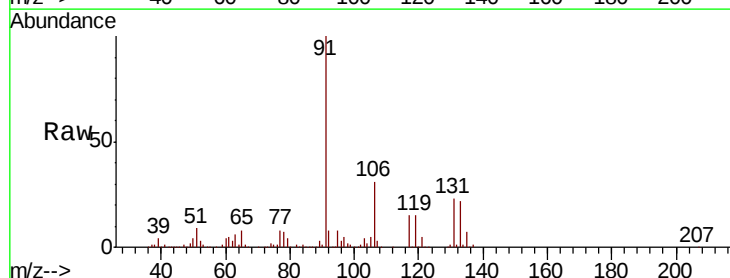
Manual Integrations
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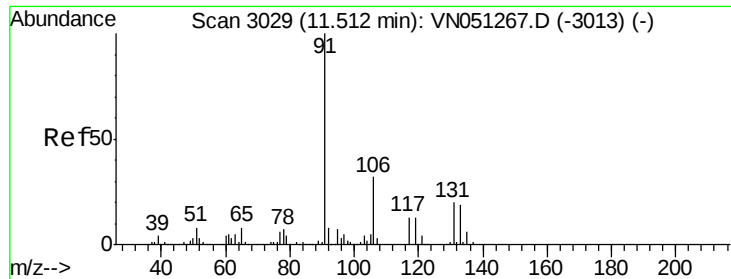
MMDadoda
9/20/2018 1:42:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.96 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion:131 Resp: 318122
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.7
119 65.2 32.6 98.0





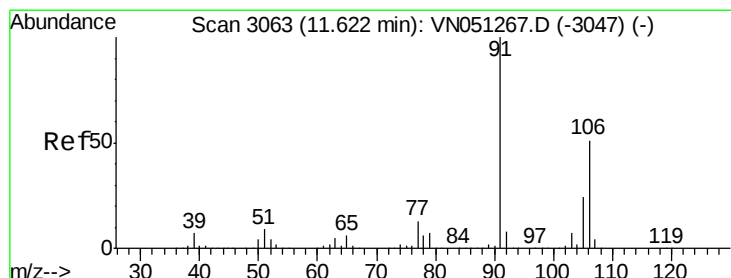
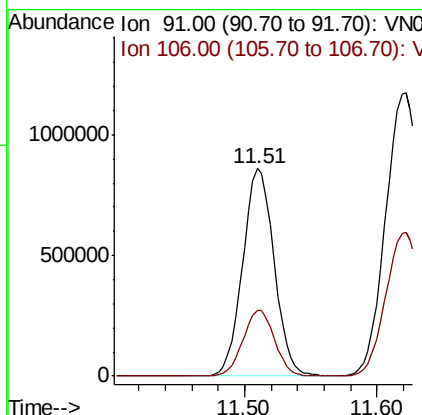
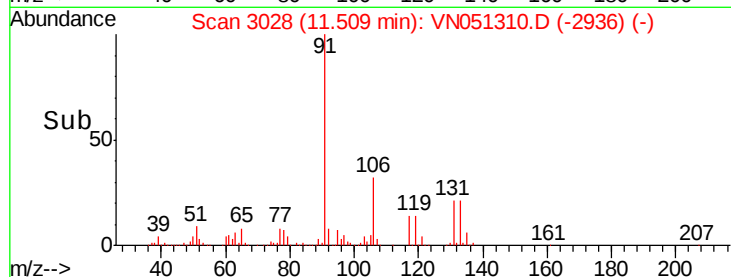
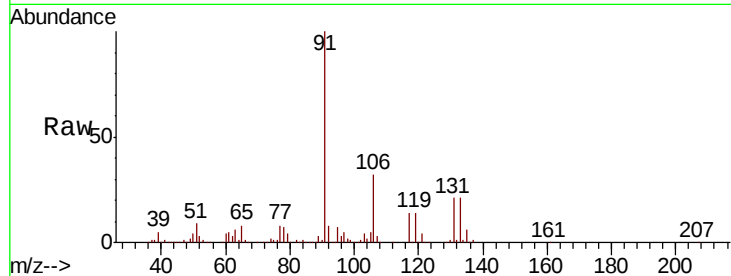
#67
Ethyl Benzene
Concen: 53.01 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1420850
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5

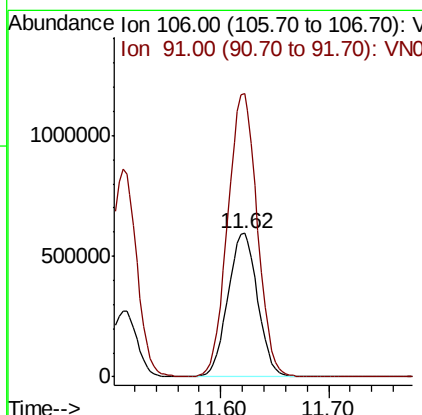
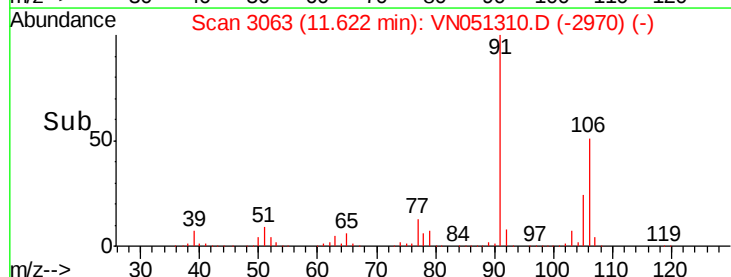
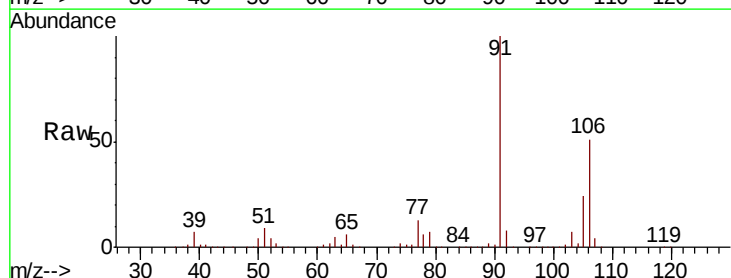
Manual Integrations
APPROVED

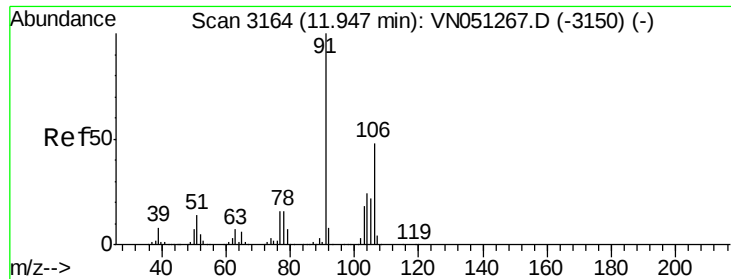
MMDadoda
9/20/2018 1:42:07 PM



#68
m/p-Xylenes
Concen: 109.59 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion:106 Resp: 1141108
Ion Ratio Lower Upper
106 100
91 196.3 158.6 238.0





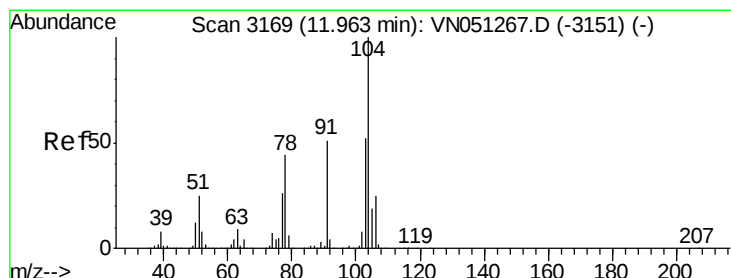
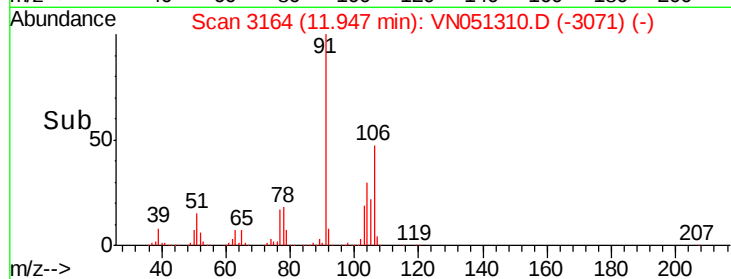
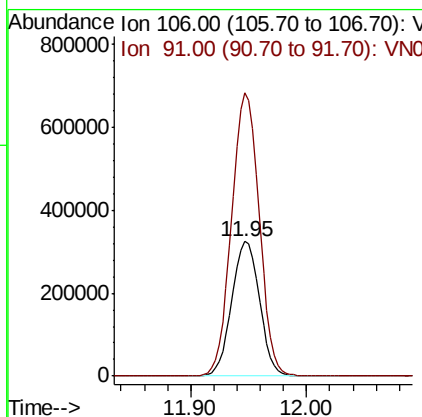
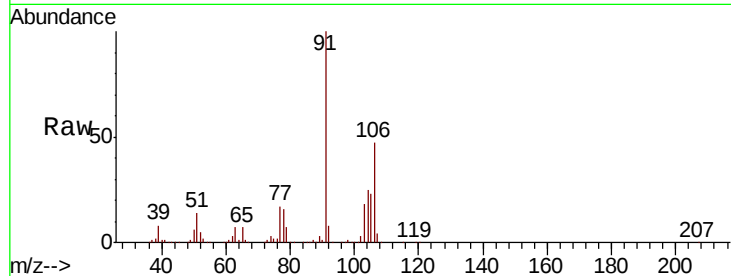
#69
o-Xylene
Concen: 54.31 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	538915		
91	209.2	104.1	312.3		

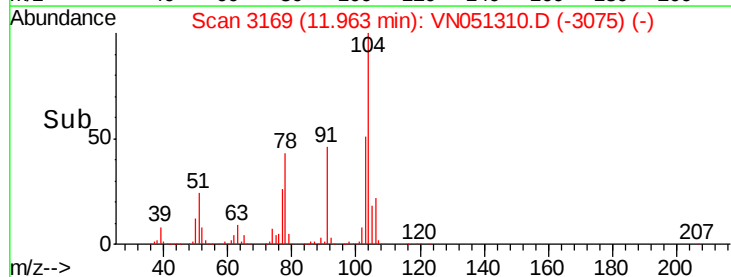
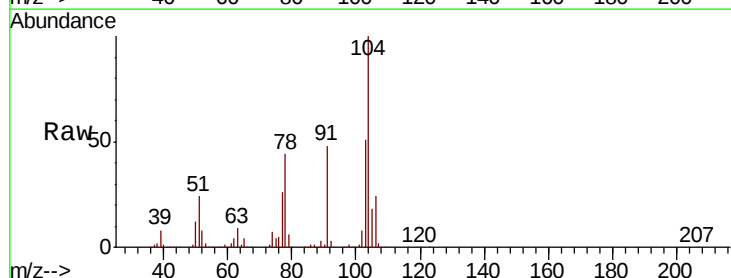
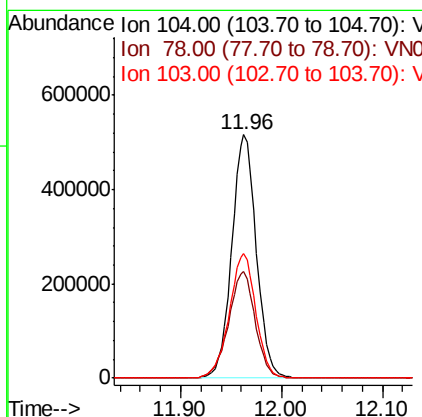
Manual Integrations
APPROVED

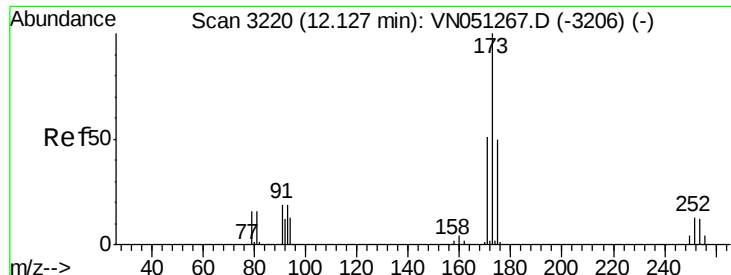
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#70
Styrene
Concen: 49.80 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	873963		
78	47.8	38.1	57.1		
103	55.2	44.8	67.2		





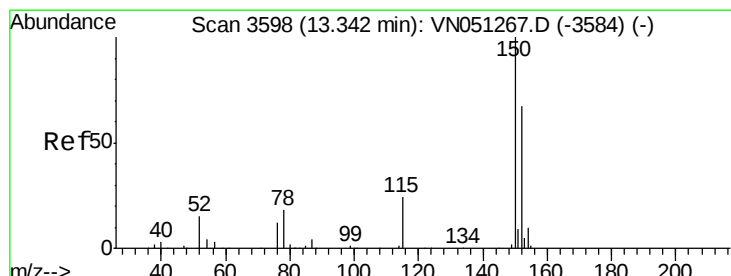
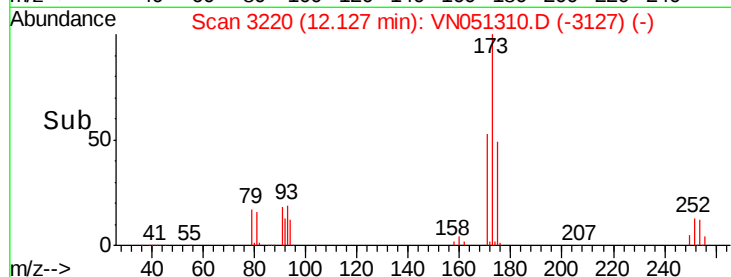
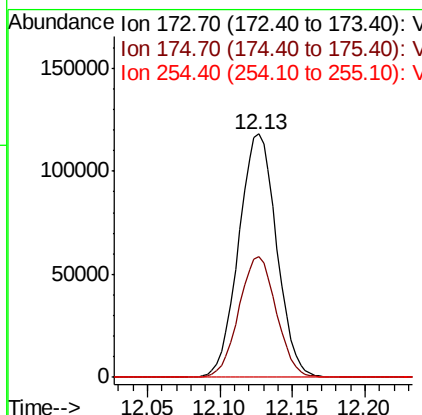
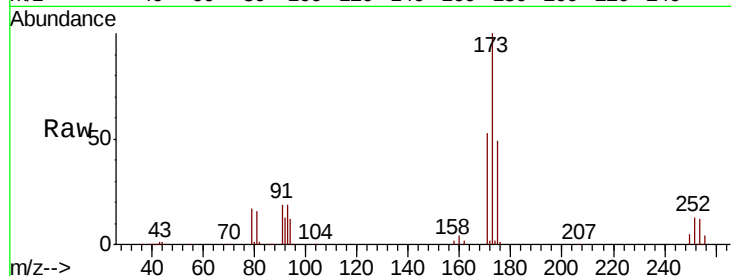
#71
Bromoform
Concen: 50.95 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.2
254	0.1	0.1	0.1#

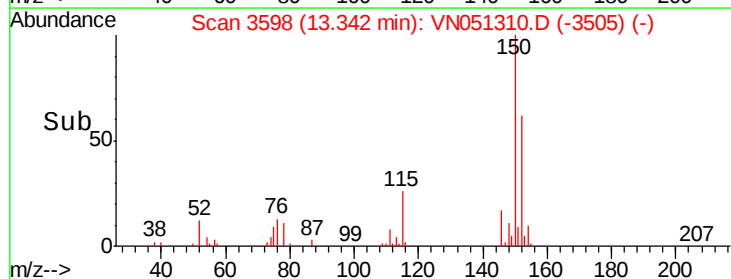
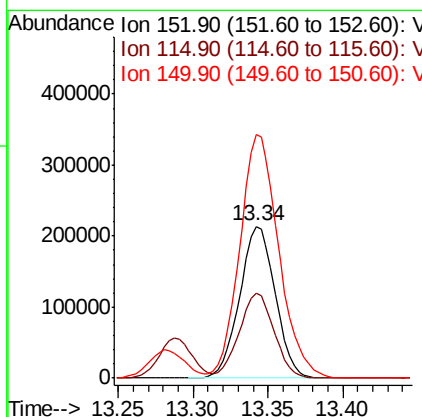
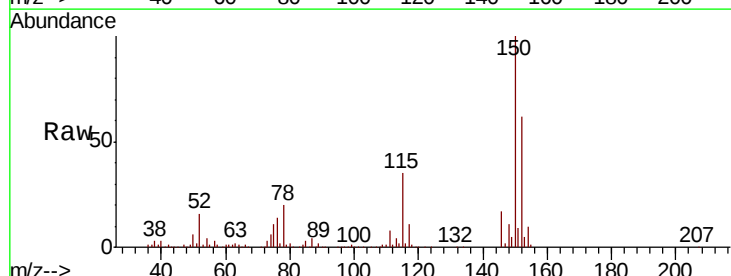
Manual Integrations
APPROVED

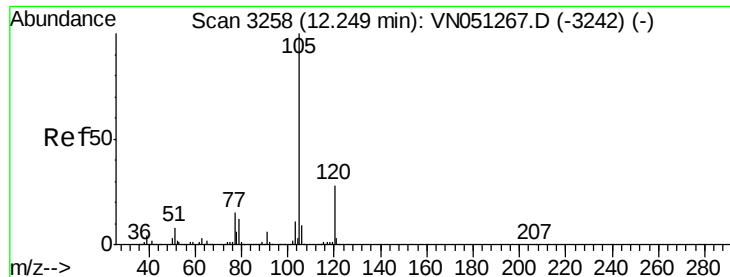
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.1	81.2
150	176.0	0.0	349.0





#73

Isopropylbenzene

Concen: 48.34 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1439165

Ion Ratio Lower Upper

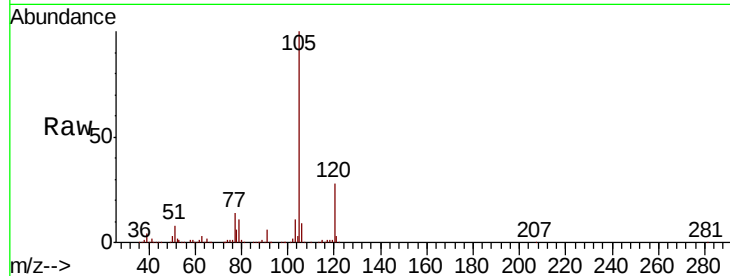
105 100

120 27.3 13.8 41.4

Manual Integrations
APPROVED

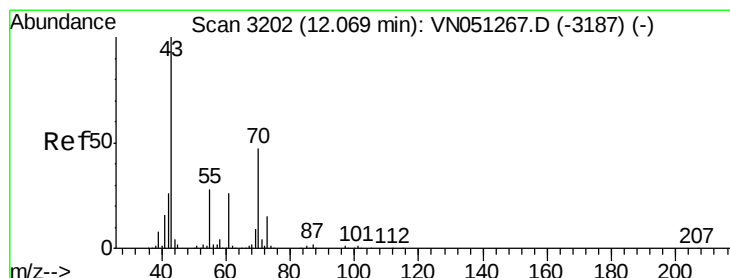
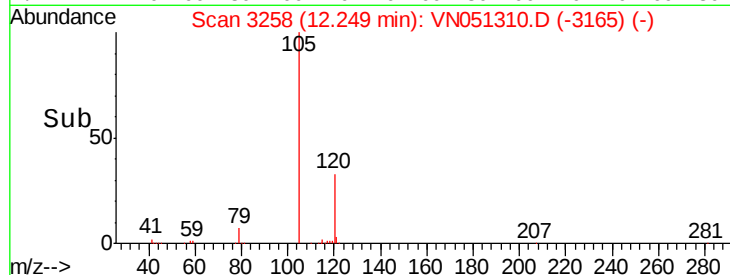
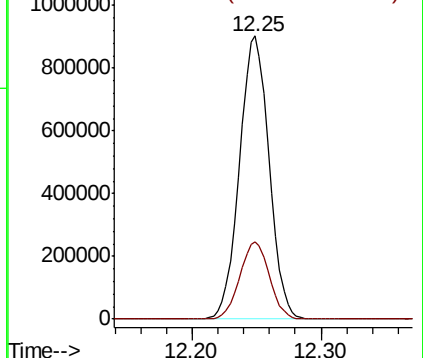
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.17 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Tgt Ion: 43 Resp: 294329

Ion Ratio Lower Upper

43 100

70 46.6 37.8 56.6

55 27.6 22.6 34.0

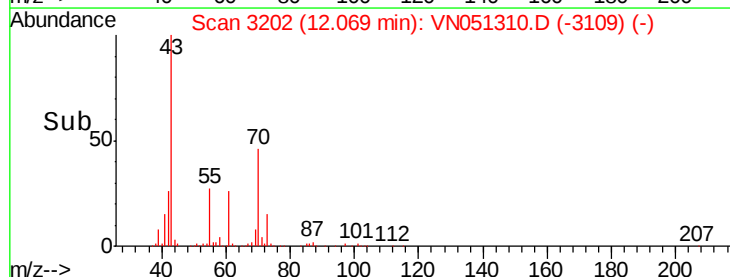
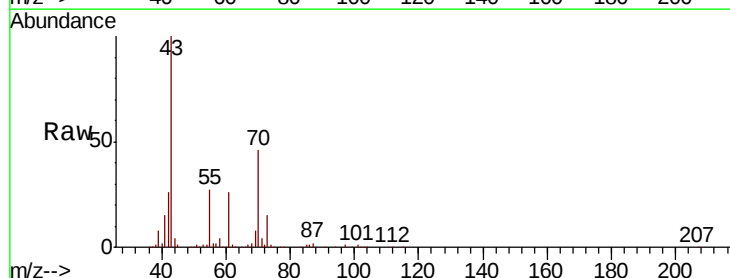
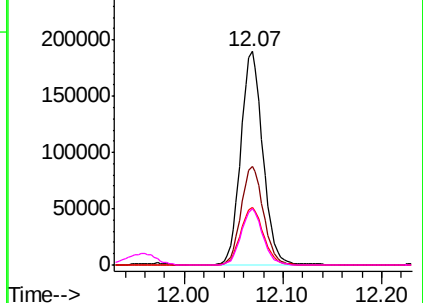
61 25.6 20.9 31.3

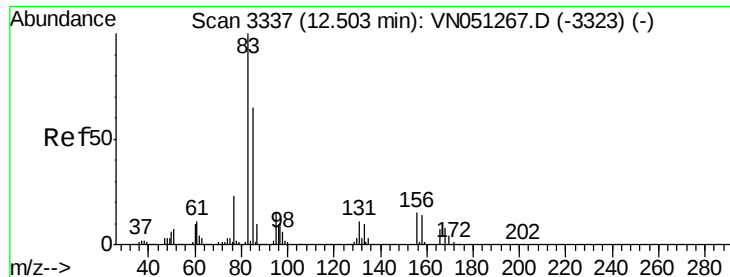
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.18 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

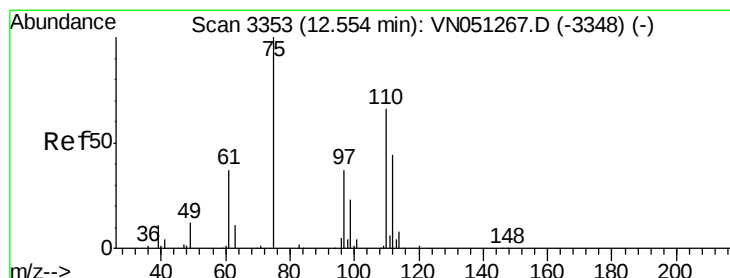
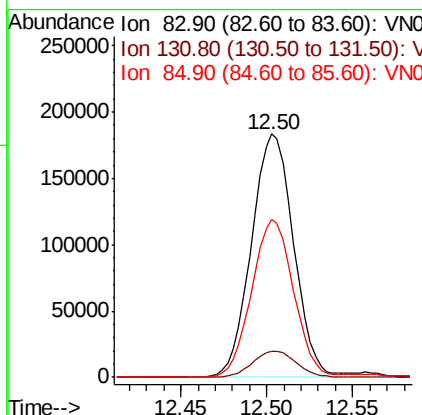
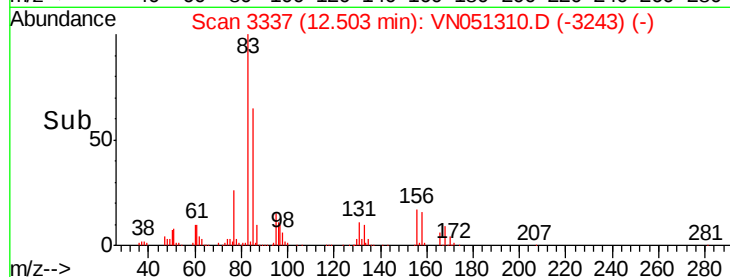
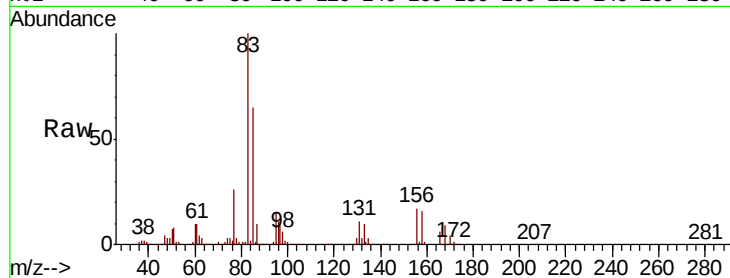
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	311323
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.7
85	64.5	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 50.36 ug/l m

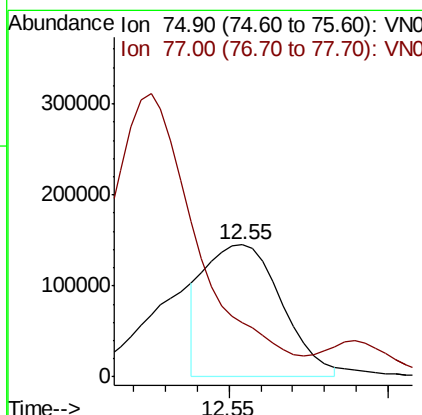
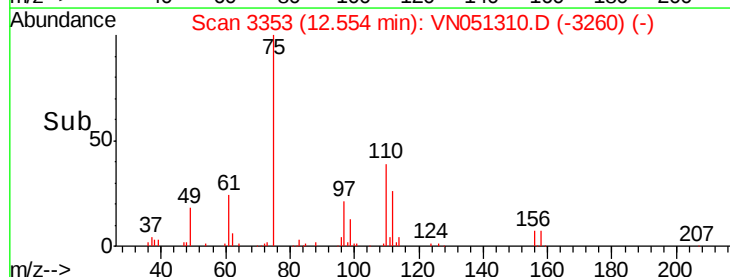
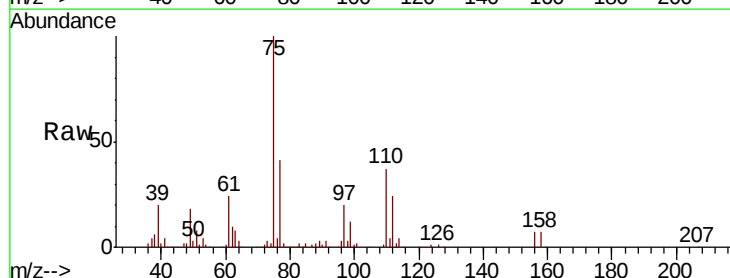
RT: 12.55 min Scan# 3353

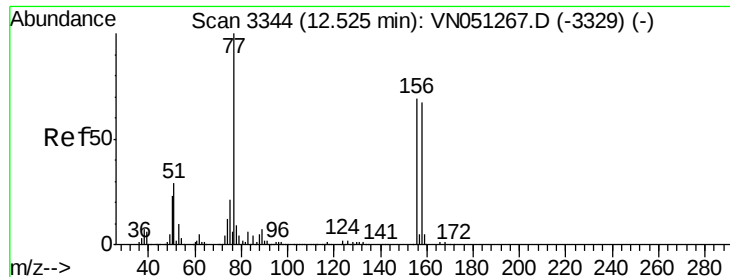
Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Tgt Ion:	75	Resp:	242875
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





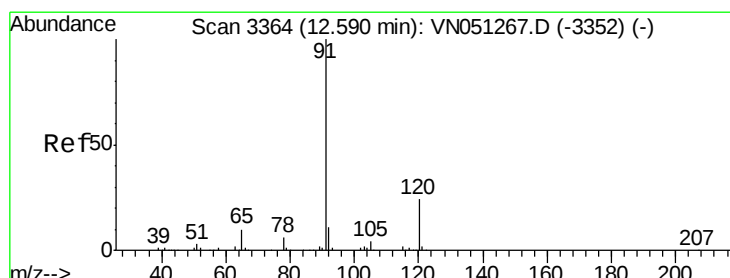
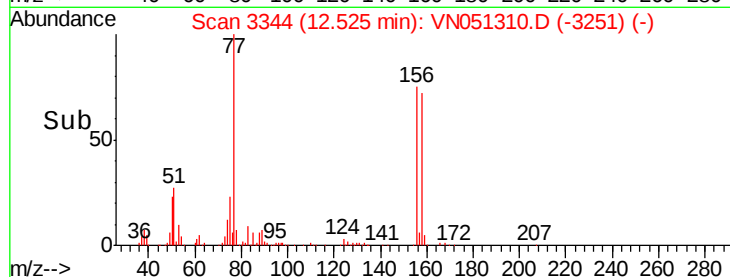
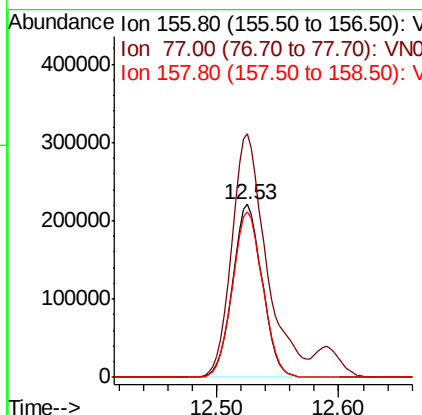
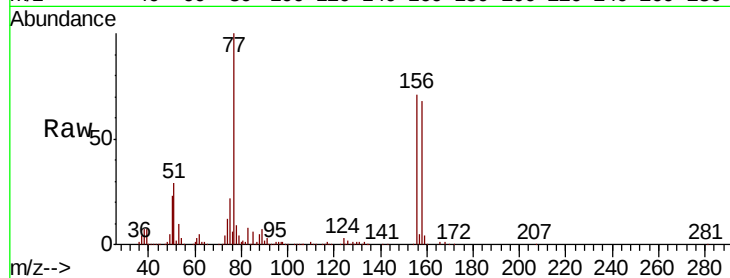
#77
Bromobenzene
Concen: 50.15 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.1	83.7	251.1
158	97.3	49.0	147.2

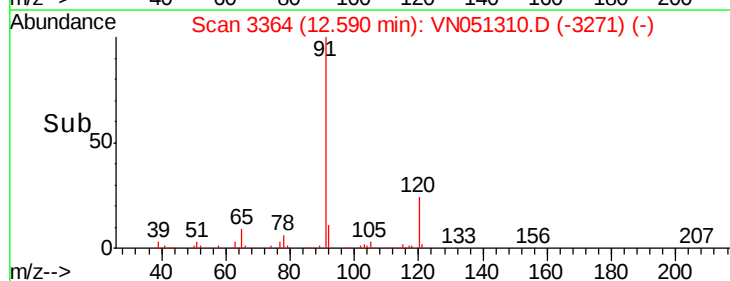
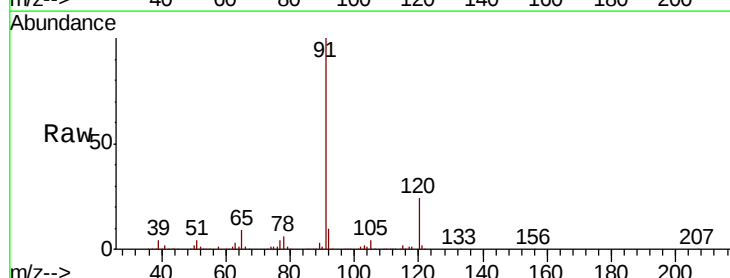
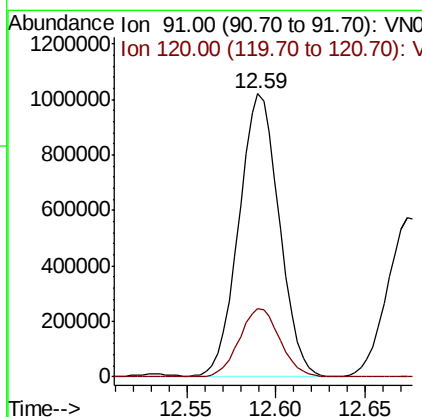
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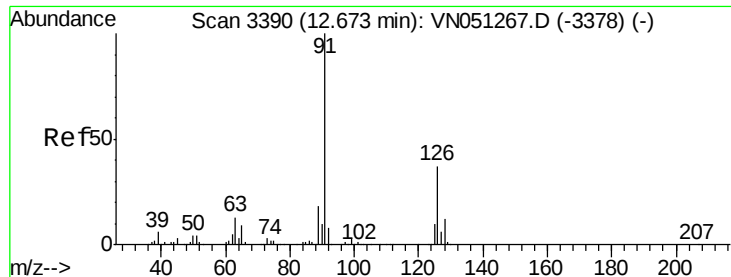
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#78
n-propylbenzene
Concen: 50.06 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.1	36.3





#79

2-Chlorotoluene

Concen: 46.66 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 952303

Ion Ratio Lower Upper

91 100

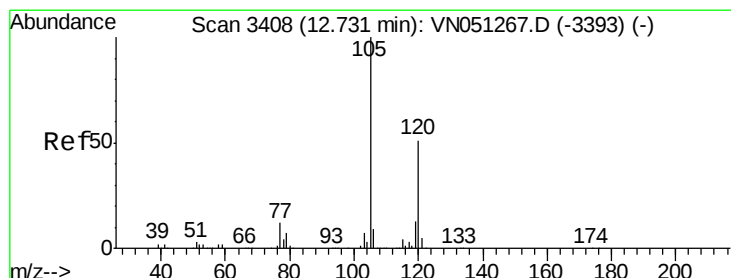
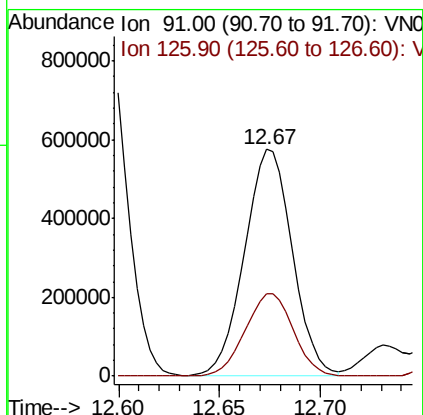
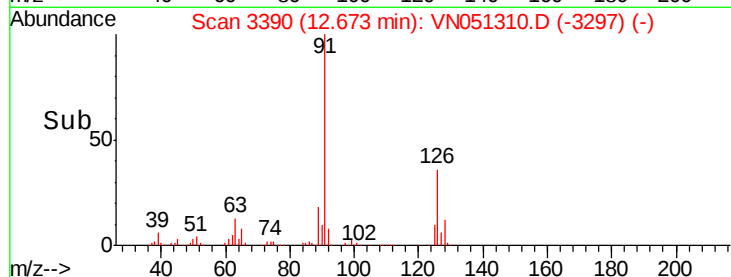
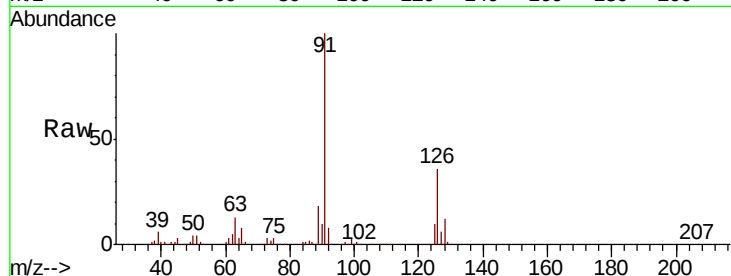
126 37.0 18.2 54.6

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#80

1,3,5-Trimethylbenzene

Concen: 50.12 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051310.D

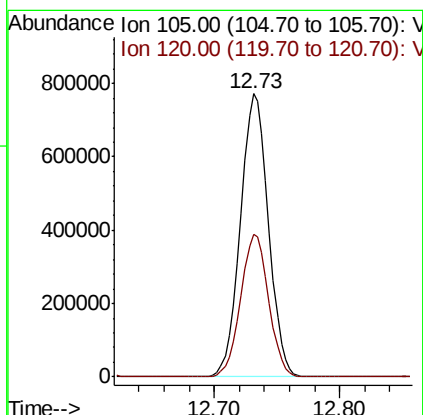
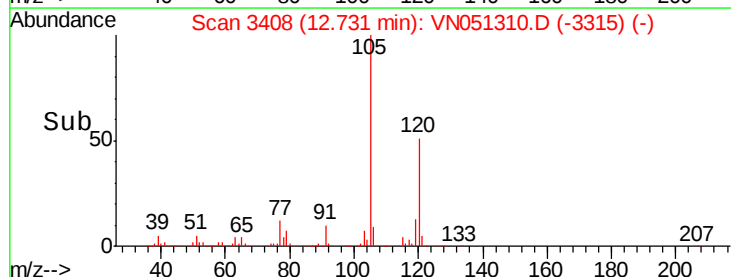
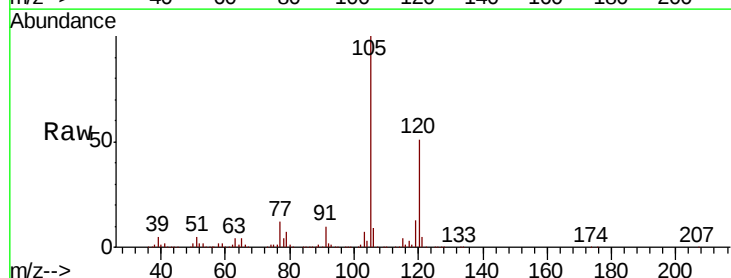
Acq: 19 Sep 2018 11:03

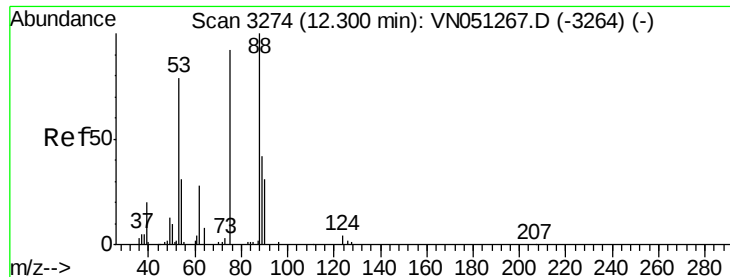
Tgt Ion: 105 Resp: 1192893

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.8





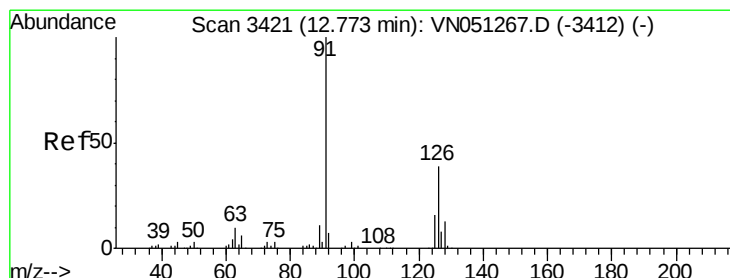
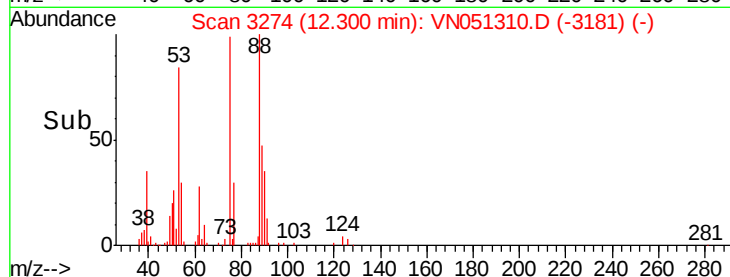
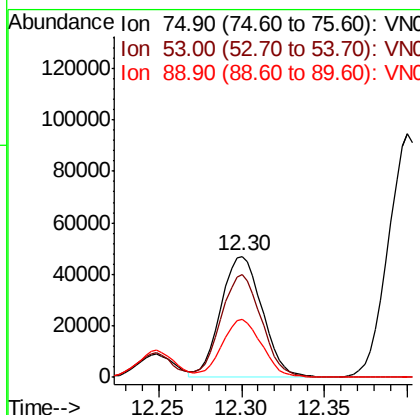
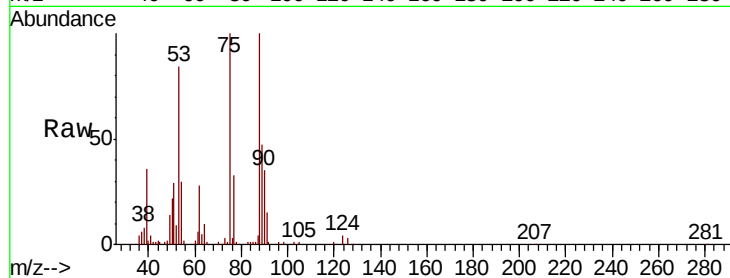
#81
trans-1,4-Dichloro-2-butene
Concen: 51.54 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.4	67.7	101.5
89	45.9	36.9	55.3

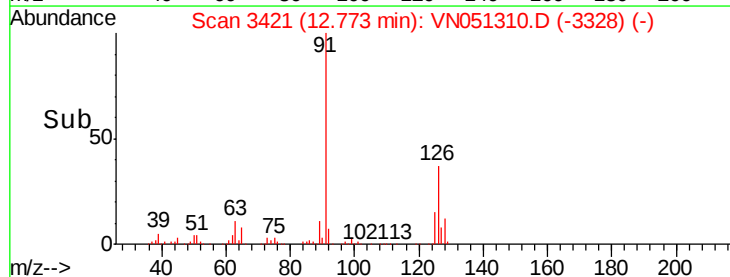
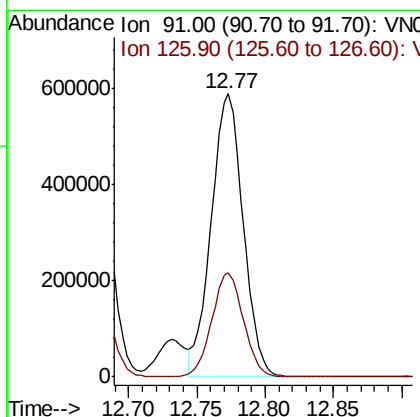
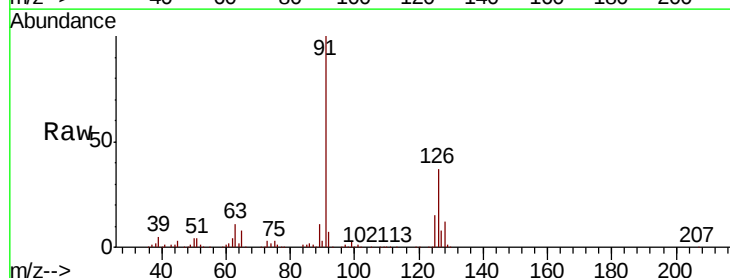
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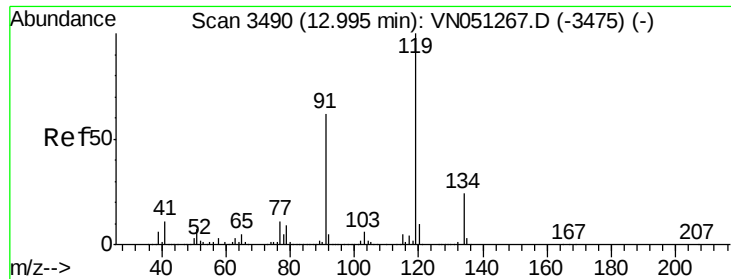
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#82
4-Chlorotoluene
Concen: 49.21 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.9	53.8





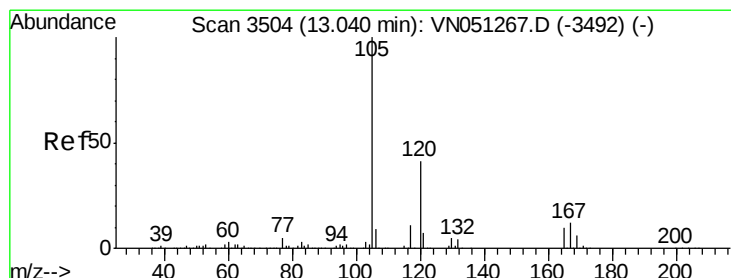
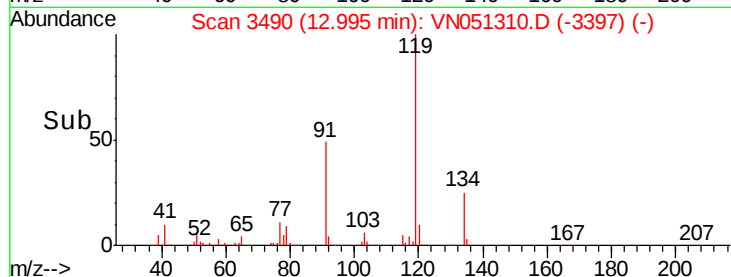
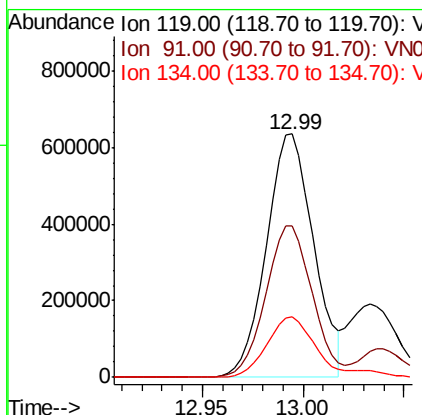
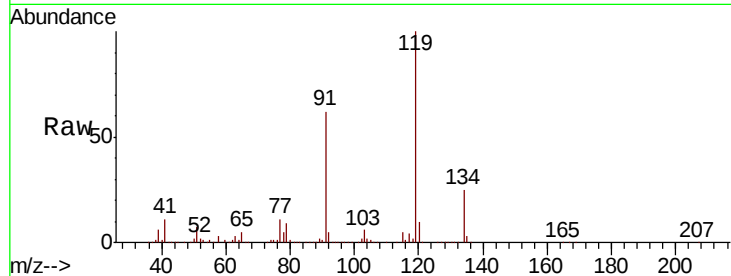
#83
tert-Butylbenzene
Concen: 49.16 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1033860
Ion Ratio Lower Upper
119 100
91 61.2 30.8 92.4
134 24.9 12.4 37.0

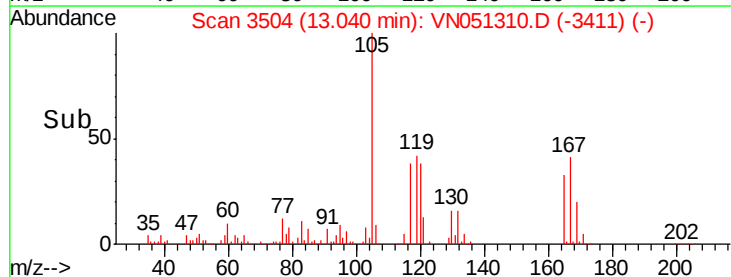
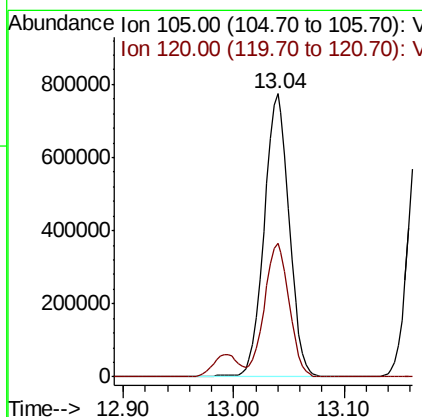
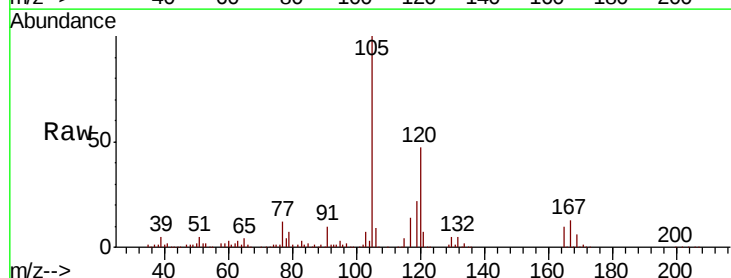
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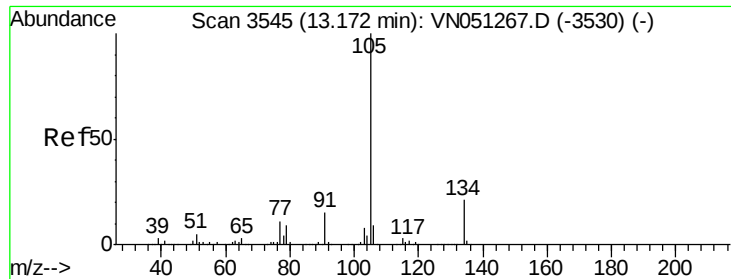
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#84
1,2,4-Trimethylbenzene
Concen: 52.56 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion:105 Resp: 1214649
Ion Ratio Lower Upper
105 100
120 46.9 23.5 70.6





#85

sec-Butylbenzene

Concen: 50.81 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1357094

Ion Ratio Lower Upper

105 100

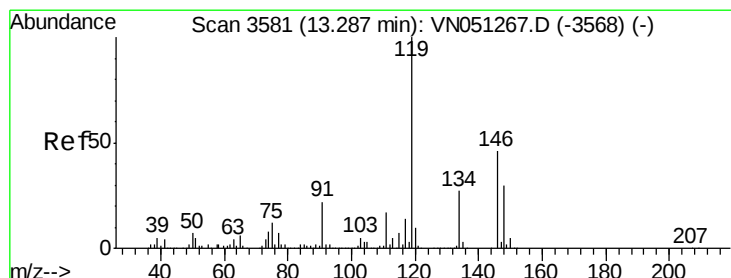
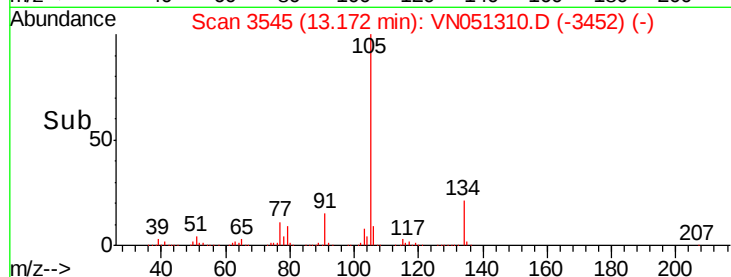
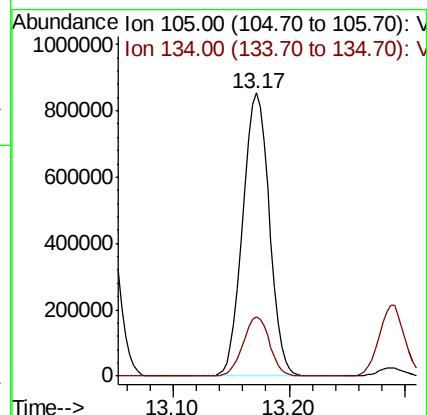
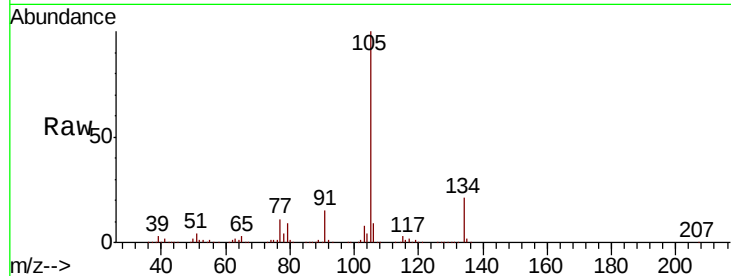
134 20.9 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.47 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051310.D

Acq: 19 Sep 2018 11:03

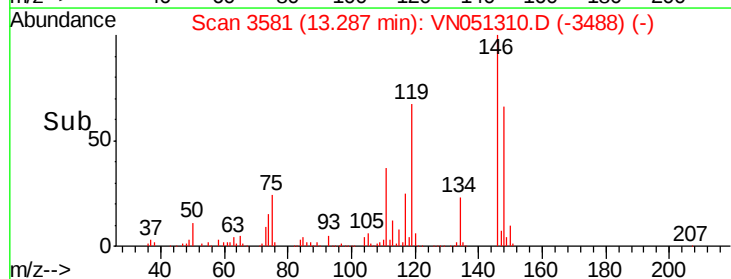
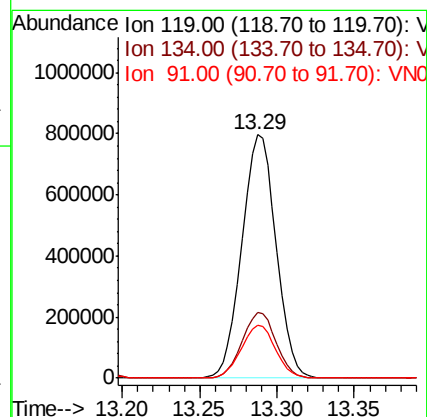
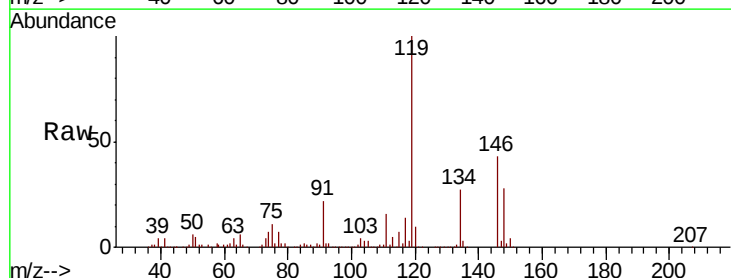
Tgt Ion:119 Resp: 1219879

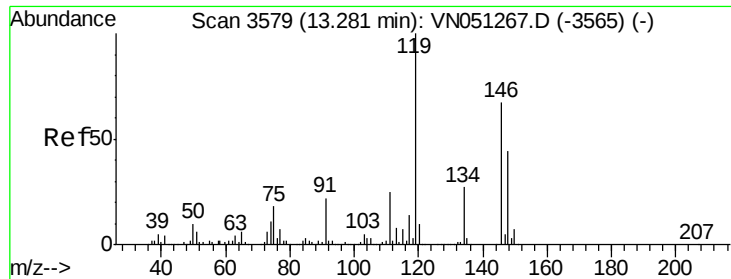
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 21.6 11.1 33.1





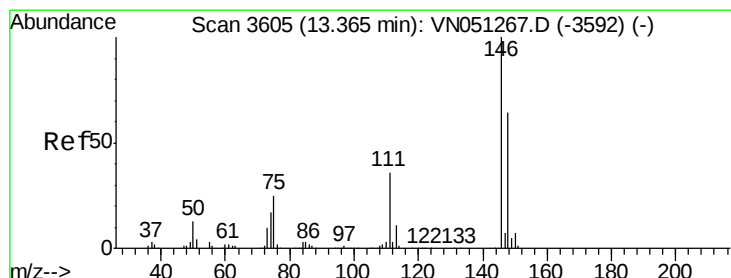
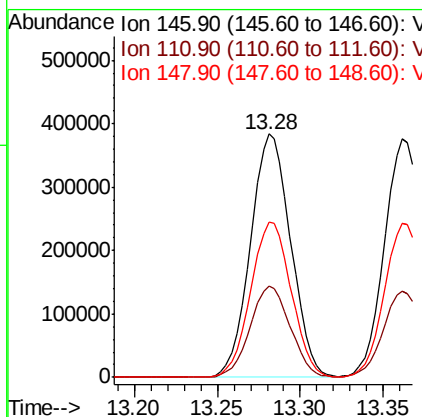
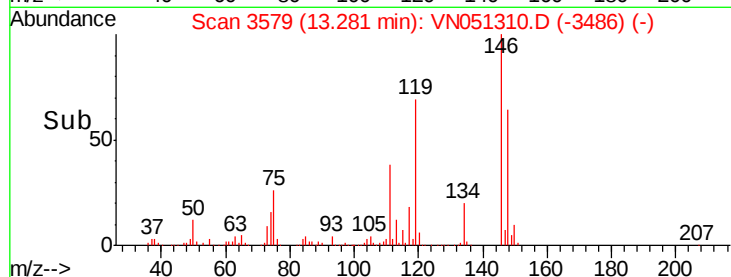
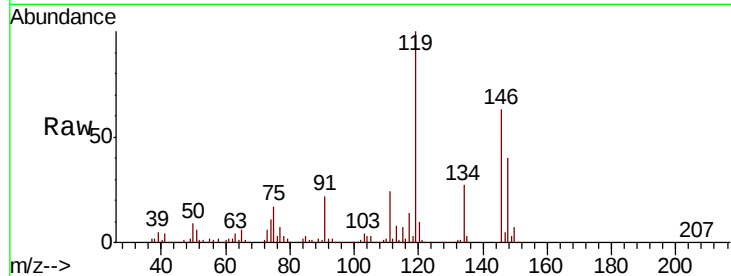
#87
 1,3-Dichlorobenzene
 Concen: 49.15 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.5	32.2	96.6

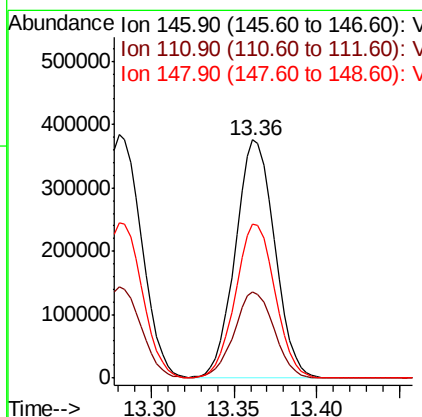
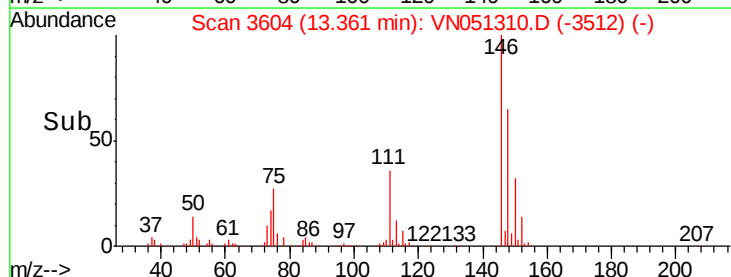
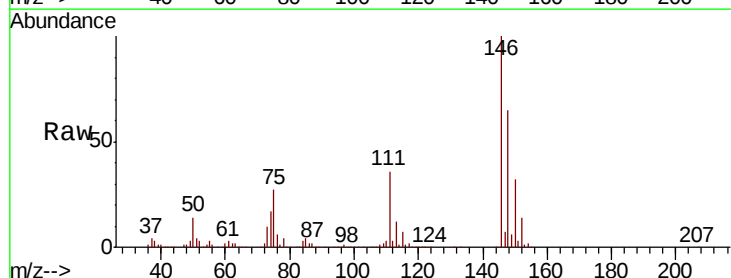
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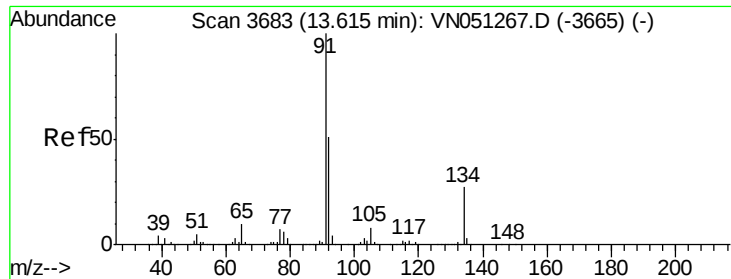
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#88
 1,4-Dichlorobenzene
 Concen: 49.74 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.2	54.6
148	65.3	31.9	95.7





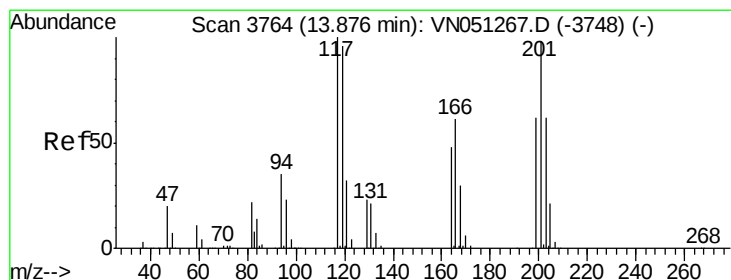
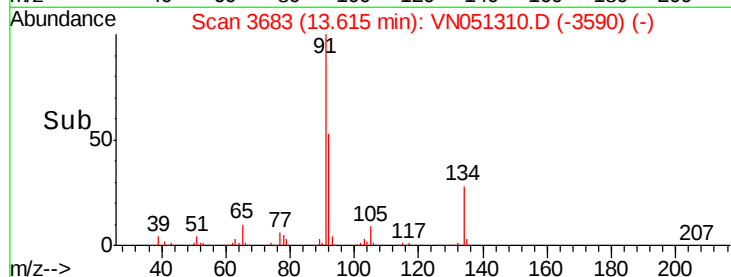
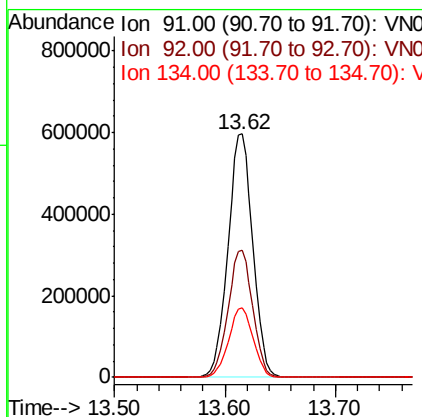
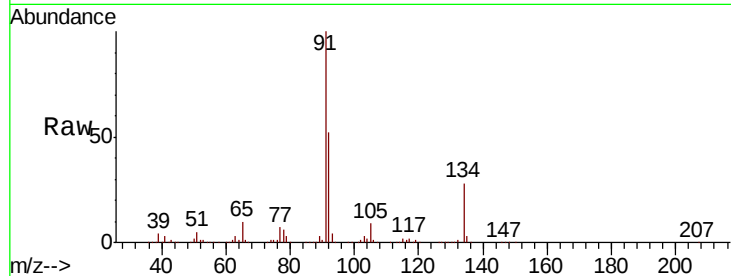
#89
n-Butylbenzene
Concen: 50.31 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.9	25.8	77.4	
134	28.3	13.7	41.0	

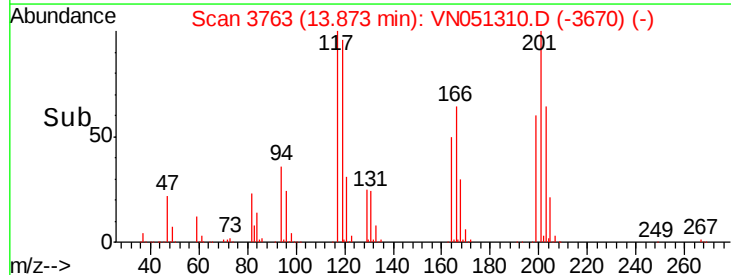
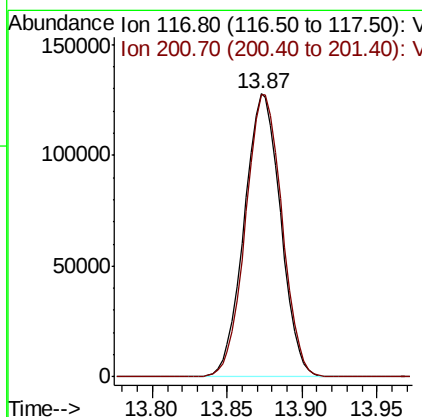
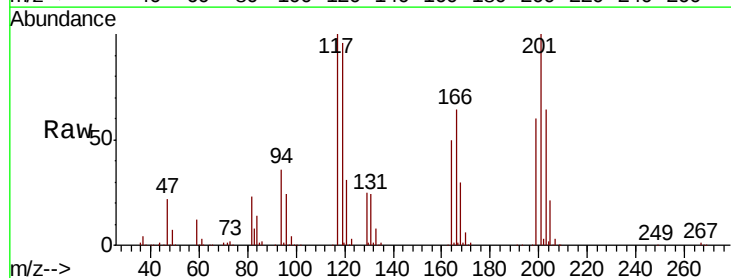
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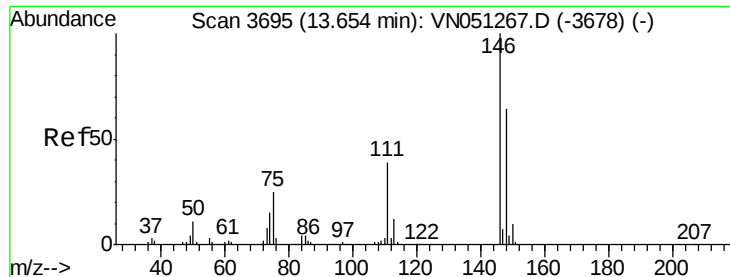
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#90
Hexachloroethane
Concen: 49.56 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	99.8	48.4	145.3	





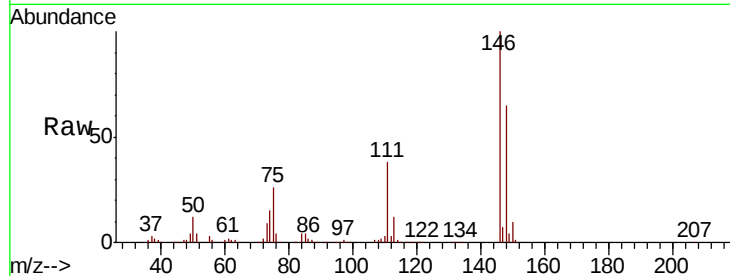
#91
 1,2-Dichlorobenzene
 Concen: 50.64 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.7
148	65.3	31.9	95.9

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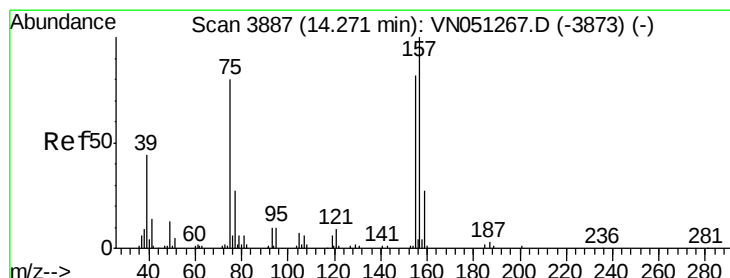
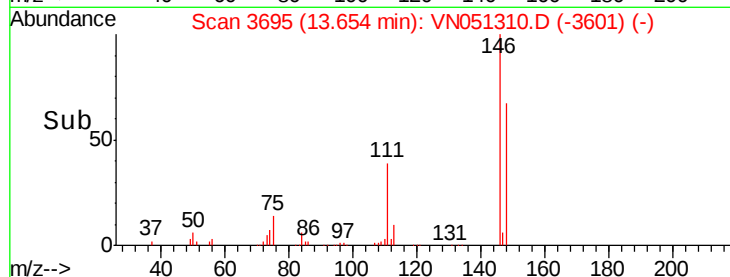
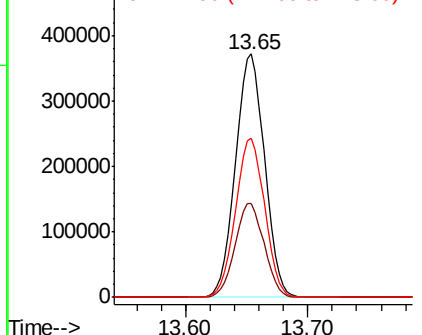


Abundance

Ion 145.90 (145.60 to 146.60): V

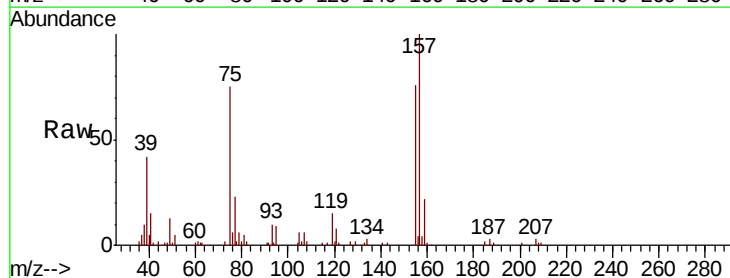
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.23 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	50.2	150.7
157	130.7	62.9	188.7

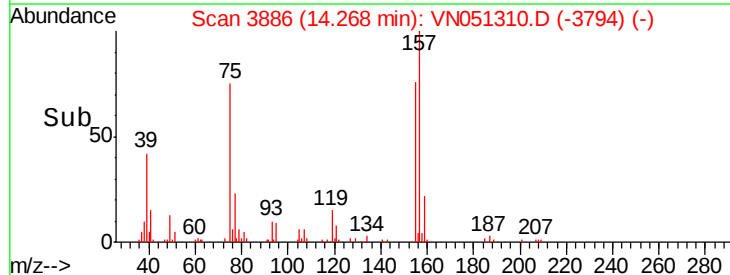
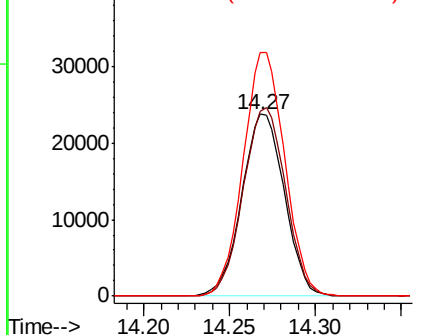


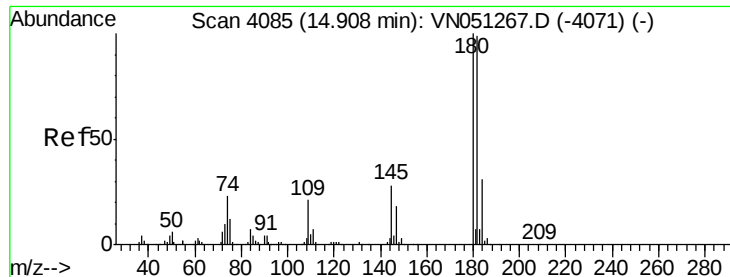
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





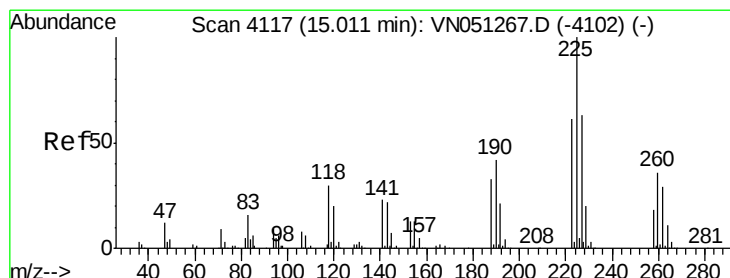
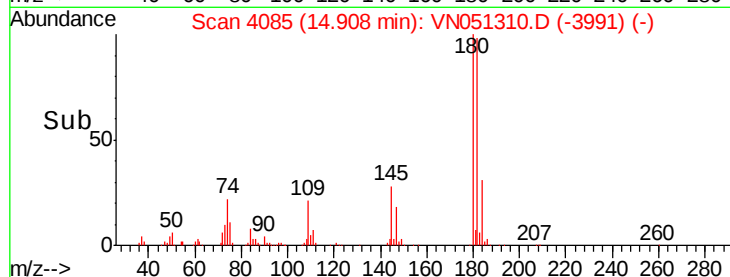
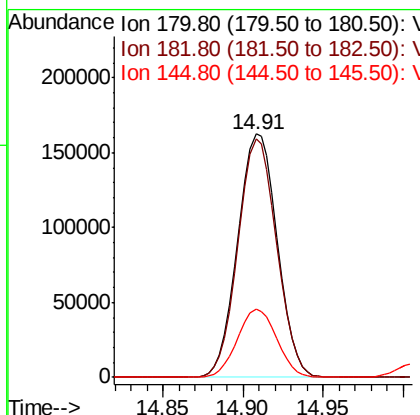
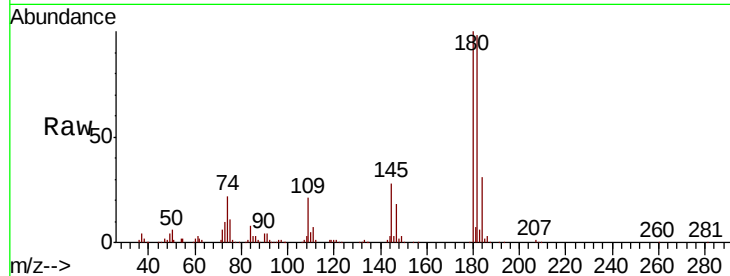
#93
 1,2,4-Trichlorobenzene
 Concen: 46.29 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273125		
182	96.0	48.5	145.6	
145	27.9	14.0	41.9	

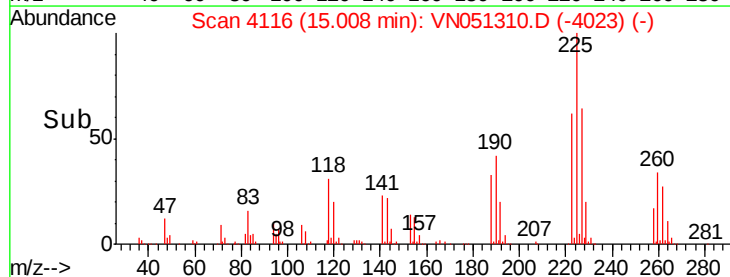
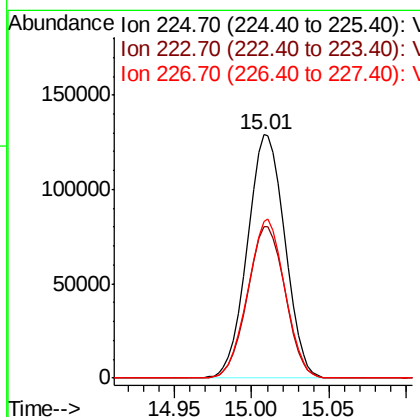
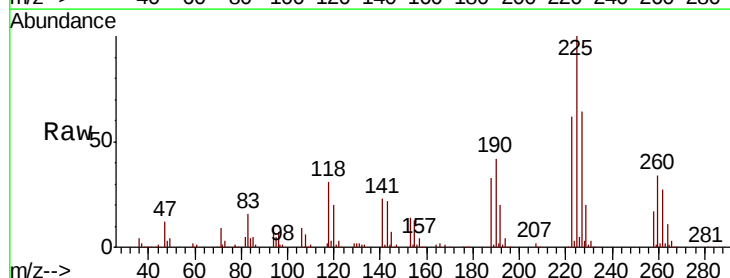
Manual Integrations
 APPROVED

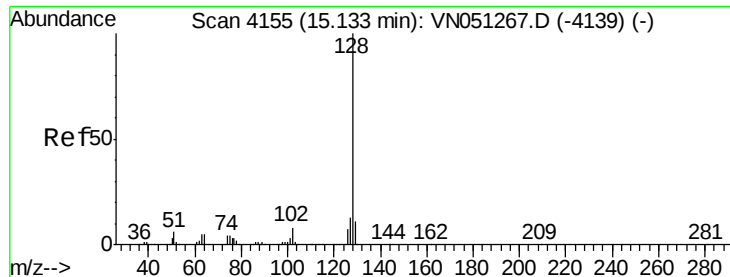
MMDadoda
 9/20/2018 1:42:07 PM



#94
 Hexachlorobutadiene
 Concen: 54.32 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051310.D
 Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	218478		
223	62.2	30.8	92.3	
227	64.2	32.1	96.3	





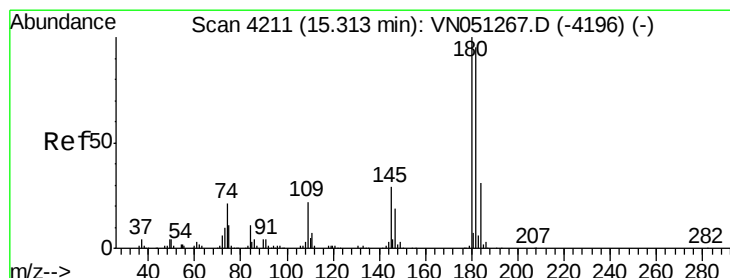
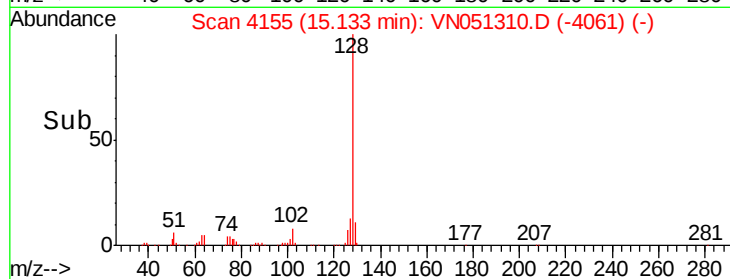
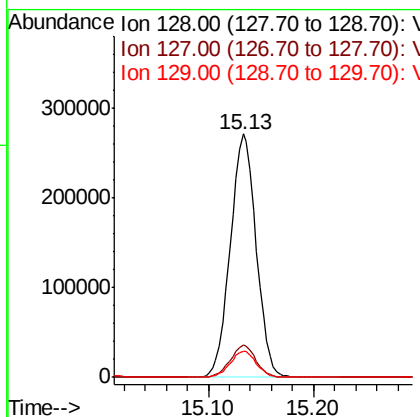
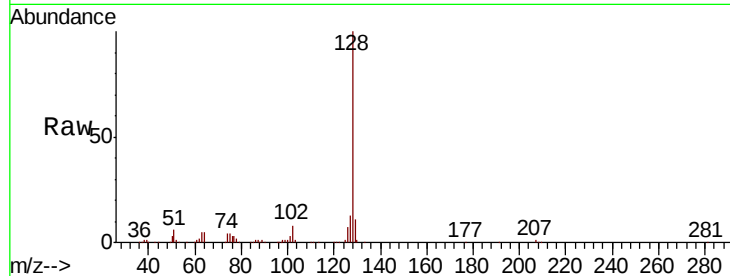
#95
Naphthalene
Concen: 42.64 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.9	8.9	13.3

Manual Integrations
APPROVED

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9/20/2018 1:42:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.10 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051310.D
Acq: 19 Sep 2018 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.5	142.6
145	28.8	14.8	44.4

