

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051974.D
 Acq On : 24 Oct 2018 8:39
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 24 14:26:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1167230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1678158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1576272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	881734	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	446124	42.91	ug/l	0.00
Spiked Amount			Recovery	=	85.82%	
35) Dibromofluoromethane	7.59	113	480101	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
50) Toluene-d8	10.09	98	1783176	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
62) 4-Bromofluorobenzene	12.40	95	627404	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	364807	49.251	ug/l	100
3) Chloromethane	2.06	50	316040	47.387	ug/l	98
4) Vinyl Chloride	2.19	62	413836	46.292	ug/l	98
5) Bromomethane	2.57	94	408919	47.775	ug/l	96
6) Chloroethane	2.71	64	290486	43.768	ug/l	99
7) Trichlorofluoromethane	3.02	101	759192	47.661	ug/l	100
8) Diethyl Ether	3.41	74	220480	46.556	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	476916	49.980	ug/l	99
10) Methyl Iodide	3.96	142	727025	51.497	ug/l	99
11) Tert butyl alcohol	4.77	59	111372	207.012	ug/l	98
12) 1,1-Dichloroethene	3.74	96	418281	48.948	ug/l	98
13) Acrolein	3.61	56	64786	215.291	ug/l	98
14) Allyl chloride	4.33	41	443883	49.089	ug/l	98
15) Acrylonitrile	4.98	53	537146	236.514	ug/l	99
16) Acetone	3.81	43	363372	212.158	ug/l	100
17) Carbon Disulfide	4.06	76	1060915	52.228	ug/l	100
18) Methyl Acetate	4.32	43	240659	46.082	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1088896	47.461	ug/l	97
20) Methylene Chloride	4.55	84	466540	46.434	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	478384	49.431	ug/l	99
22) Diisopropyl ether	5.95	45	997684	48.225	ug/l	98
23) Vinyl Acetate	5.89	43	3414987	242.656	ug/l	100
24) 1,1-Dichloroethane	5.85	63	734878	48.654	ug/l	99
25) 2-Butanone	6.83	43	562785	230.490	ug/l	99
26) 2,2-Dichloropropane	6.82	77	713162	51.607	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	559444	49.484	ug/l	99
28) Bromochloromethane	7.19	49	274468	45.088	ug/l	96
29) Tetrahydrofuran	7.21	42	355743	215.040	ug/l	99
30) Chloroform	7.37	83	900084	48.804	ug/l	98
31) Cyclohexane	7.65	56	613190	50.570	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	838253	49.705	ug/l	99
36) 1,1-Dichloropropene	7.79	75	642999	49.950	ug/l	99
37) Ethyl Acetate	6.92	43	270832	46.971	ug/l	98
38) Carbon Tetrachloride	7.77	117	771862	52.229	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	820549	52.188	ug/l	99
40) Benzene	8.04	78	1904724	49.834	ug/l	100
41) Methacrylonitrile	7.18	41	137371	47.489	ug/l	95
42) 1,2-Dichloroethane	8.12	62	584958	47.733	ug/l	100
43) Isopropyl Acetate	8.16	43	513691	47.649	ug/l	99
44) Trichloroethene	8.83	130	624715	50.921	ug/l	96
45) 1,2-Dichloropropane	9.12	63	436661	50.503	ug/l	98
46) Dibromomethane	9.21	93	336109	48.224	ug/l	98
47) Bromodichloromethane	9.40	83	676327	51.381	ug/l	100
48) Methyl methacrylate	9.20	41	246186	47.245	ug/l	97
49) 1,4-Dioxane	9.20	88	80127	838.594	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1363615	229.948	ug/l	100
52) Toluene	10.15	92	1332389	51.407	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	660765	49.175	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	740473	53.821	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	466067	48.669	ug/l	98
56) Ethyl methacrylate	10.43	69	509597	49.505	ug/l	99
57) 1,3-Dichloropropane	10.71	76	712397	49.003	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	1330554	247.032	ug/l	100
59) 2-Hexanone	10.75	43	936292	234.989	ug/l	99
60) Dibromochloromethane	10.90	129	576891	47.333	ug/l	100
61) 1,2-Dibromoethane	11.00	107	503138	49.830	ug/l	99
64) Tetrachloroethene	10.63	164	601536	49.720	ug/l	98
65) Chlorobenzene	11.43	112	1610537	50.605	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	600372	52.484	ug/l	99
67) Ethyl Benzene	11.51	91	2614294	51.103	ug/l	99
68) m/p-Xylenes	11.62	106	2164359	105.892	ug/l	100
69) o-Xylene	11.95	106	1052092	52.927	ug/l	98
70) Styrene	11.96	104	1703042	53.603	ug/l	99
71) Bromoform	12.12	173	379394	45.121	ug/l	98
73) Isopropylbenzene	12.25	105	2827647	50.566	ug/l	99
74) N-amyl acetate	12.07	43	498071	45.252	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	517483	44.786	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	643345	70.636	ug/l #	100
77) Bromobenzene	12.53	156	791960	51.317	ug/l	96
78) n-propylbenzene	12.59	91	3108905	51.538	ug/l	100
79) 2-Chlorotoluene	12.67	91	1779162	50.647	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2353945	52.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	132654	47.060	ug/l	98
82) 4-Chlorotoluene	12.77	91	1883466	51.785	ug/l	99
83) tert-Butylbenzene	12.99	119	2171889	51.184	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2404923	51.967	ug/l	100
85) sec-Butylbenzene	13.17	105	2862421	51.649	ug/l	100
86) p-Isopropyltoluene	13.29	119	2616488	52.440	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1457403	51.202	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1465861	52.237	ug/l	100
89) n-Butylbenzene	13.61	91	2030729	51.113	ug/l	100
90) Hexachloroethane	13.88	117	404163	54.372	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1375042	49.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68602	38.669	ug/l	97

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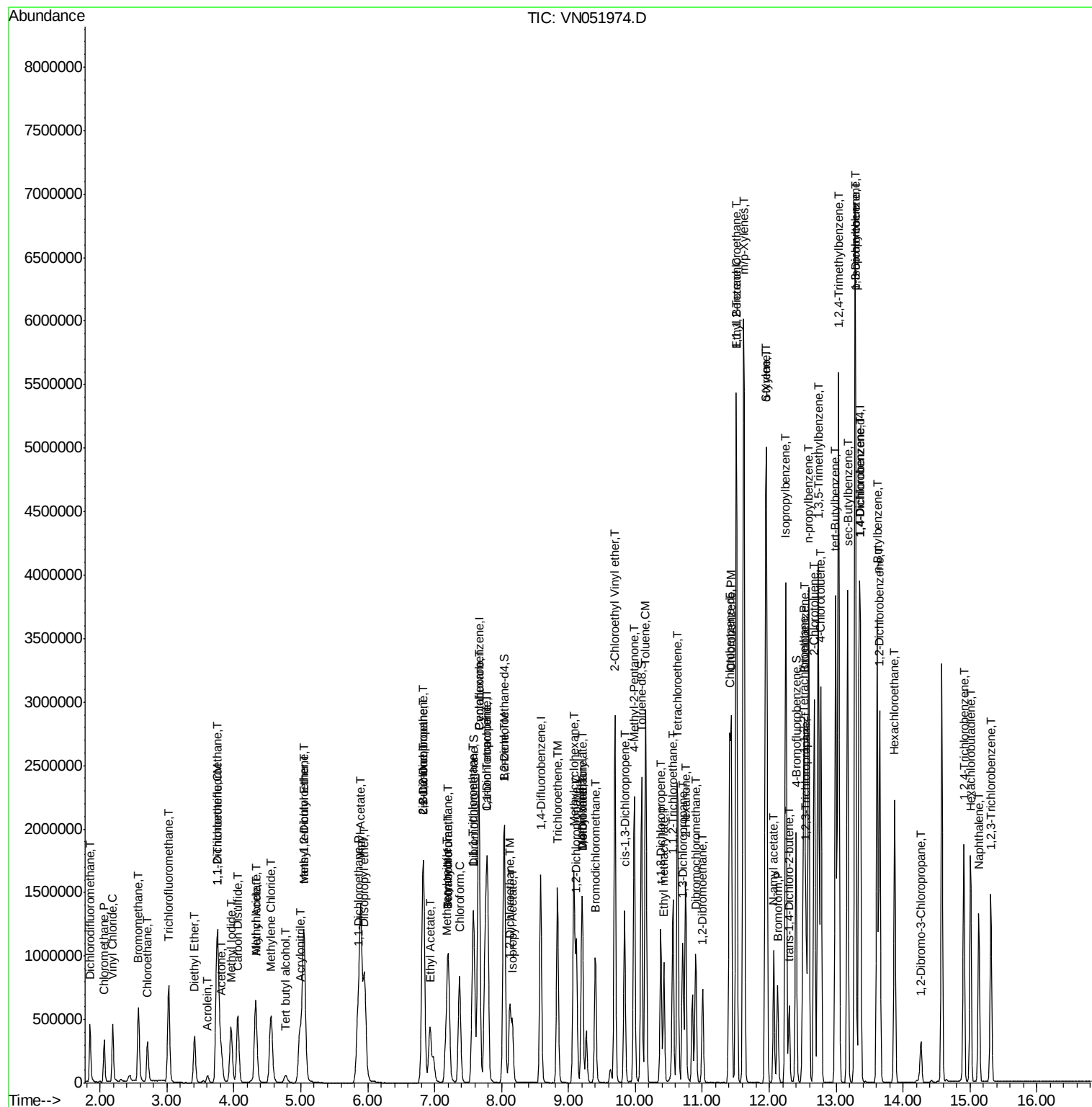
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	661970	40.698	ug/l	99
94) Hexachlorobutadiene	15.01	225	360365	43.118	ug/l	99
95) Naphthalene	15.13	128	1236336	35.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	537775	34.590	ug/l	99

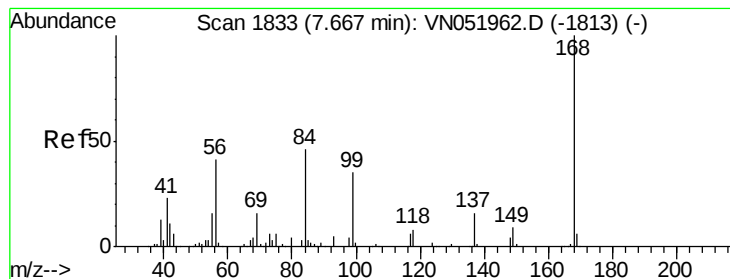
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

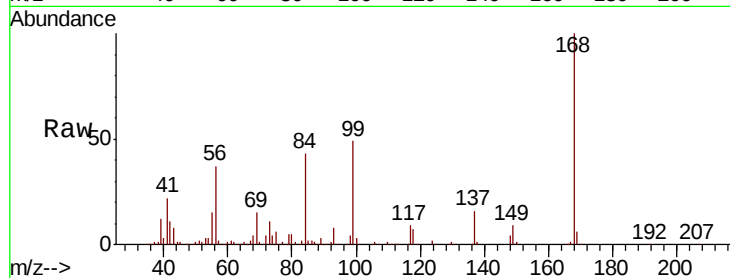
VSTDCCC050

Tot Ion:168 Resp: 1167230

Ion Ratio Lower Upper

168 100

99 48.4 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

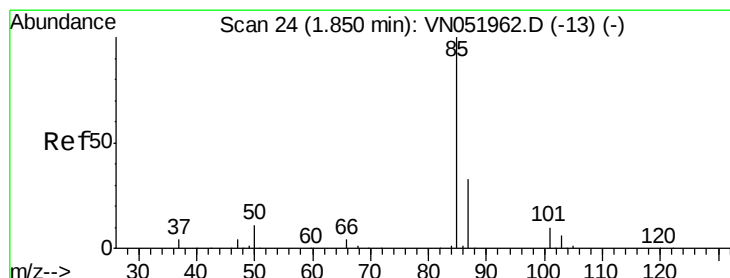
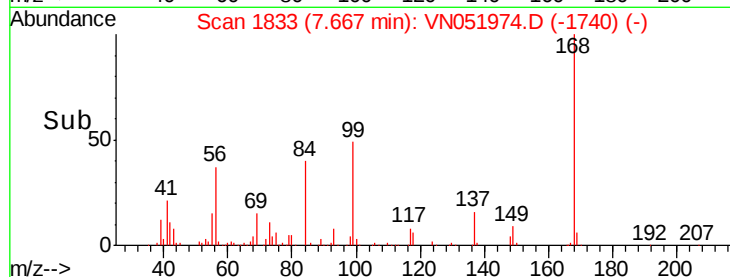
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.251 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051974.D

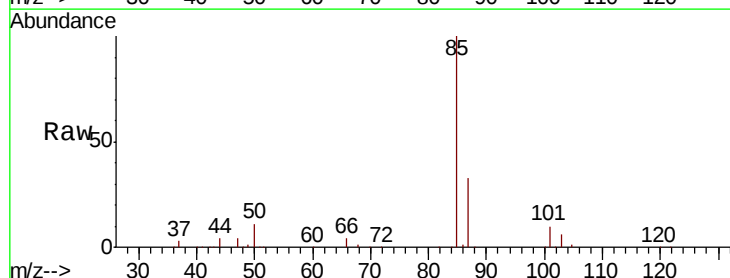
Acq: 24 Oct 2018 8:39

Tgt Ion: 85 Resp: 364807

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300000

250000

200000

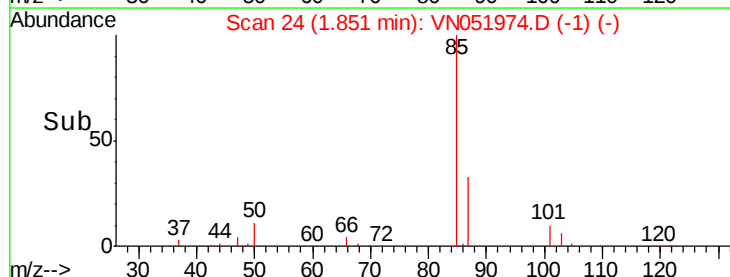
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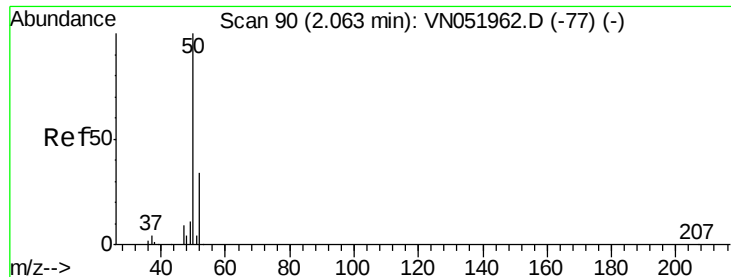
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Time-->

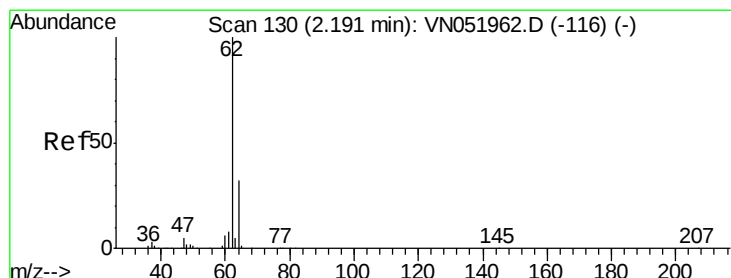
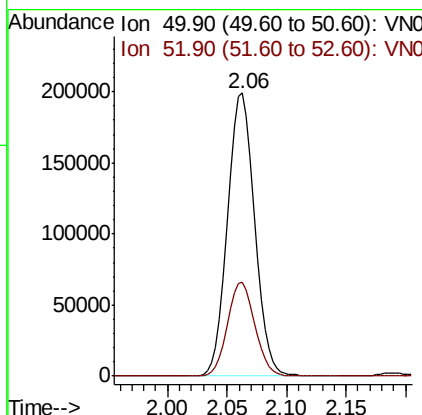
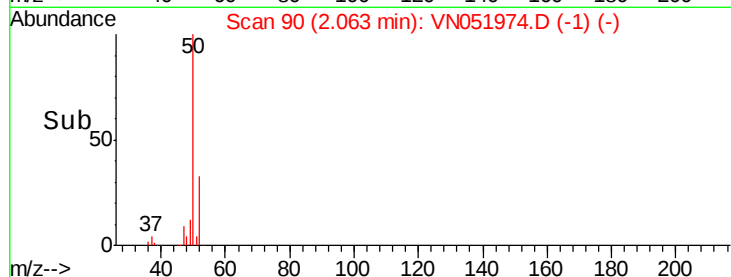
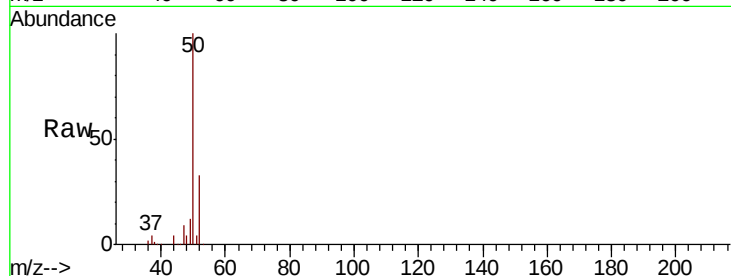




#3
Chloromethane
Concen: 47.387 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

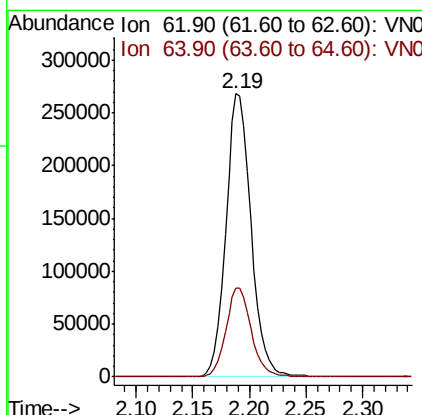
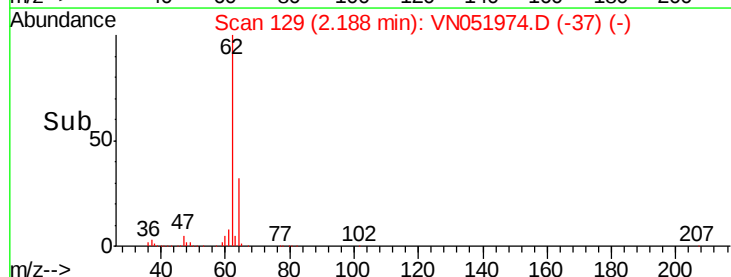
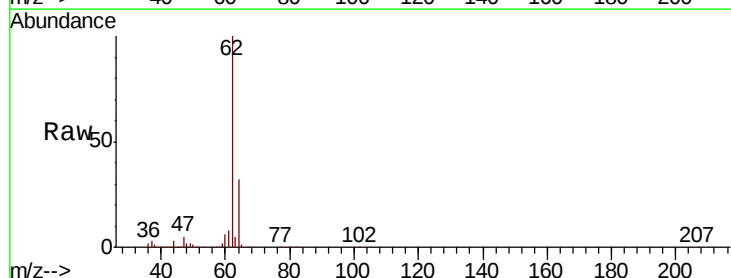
Instrument :
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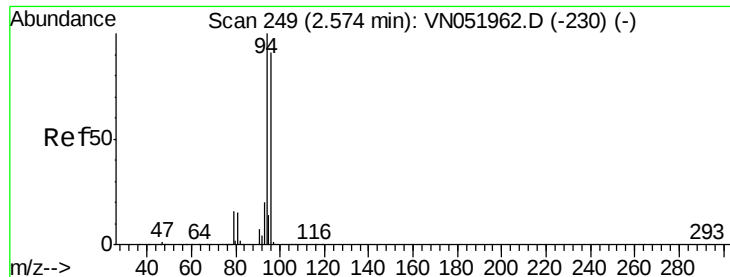
Tot Ion: 50 Resp: 316040
Ion Ratio Lower Upper
50 100
52 33.0 27.5 41.3



#4
Vinyl Chloride
Concen: 46.292 ug/l
RT: 2.19 min Scan# 129
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 62 Resp: 413836
Ion Ratio Lower Upper
62 100
64 31.5 26.0 39.0





#5

Bromomethane

Concen: 47.775 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

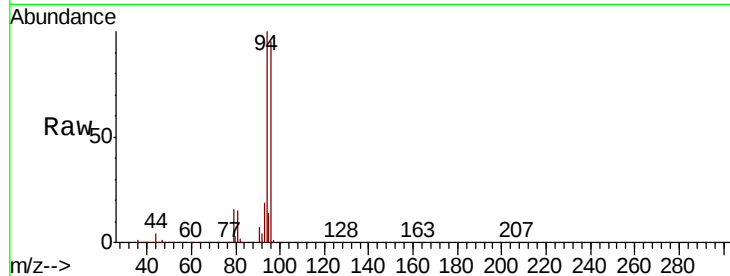
VSTDCCC050

Tot Ion: 94 Resp: 408919

Ion Ratio Lower Upper

94 100

96 94.6 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VN051962.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN051962.D (-230) (-)

2.57

200000

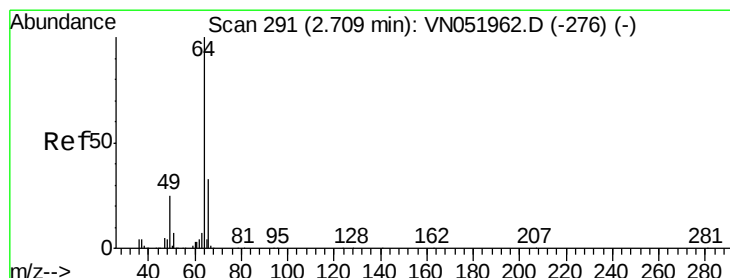
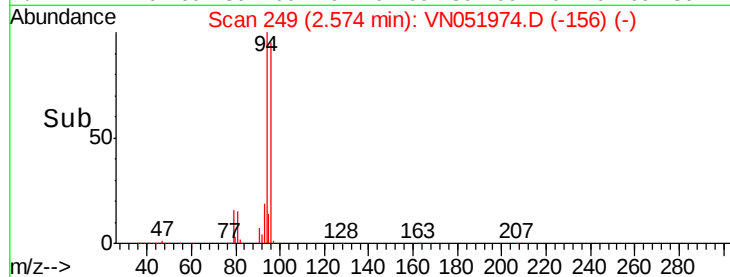
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 43.768 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051974.D

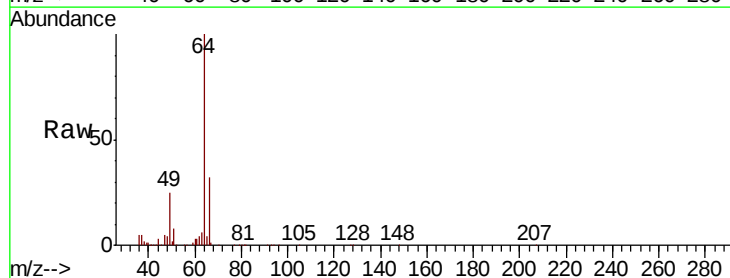
Acq: 24 Oct 2018 8:39

Tgt Ion: 64 Resp: 290486

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN051962.D (-276) (-)

Ion 65.90 (65.60 to 66.60): VN051962.D (-276) (-)

2.71

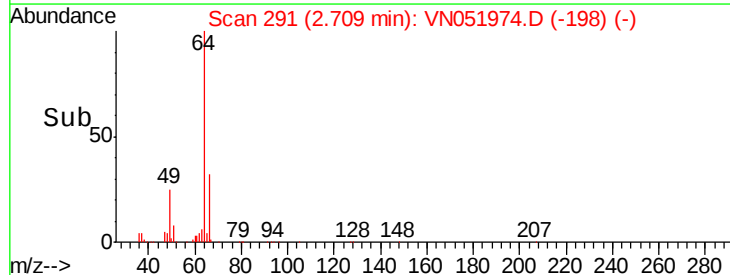
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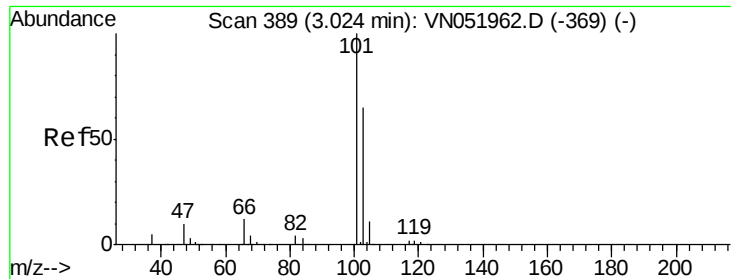
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50000

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Time-->



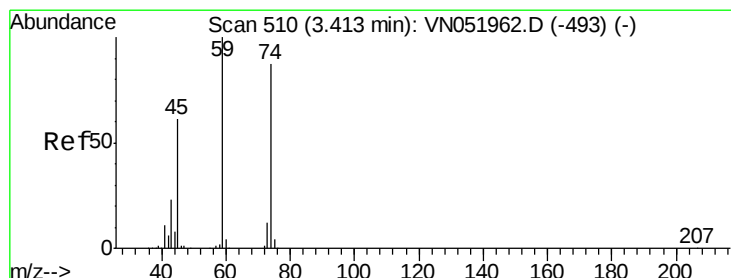
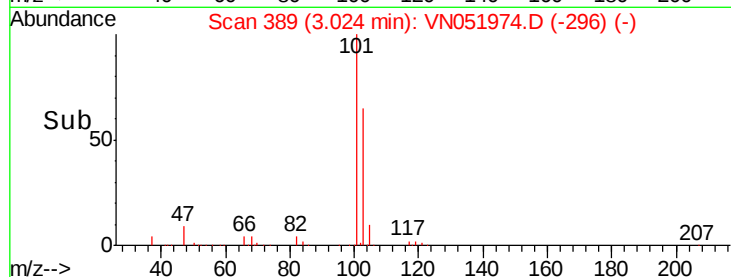
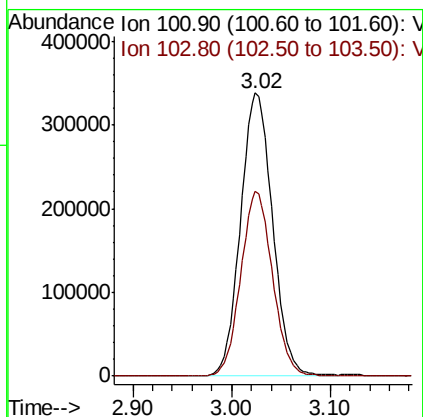
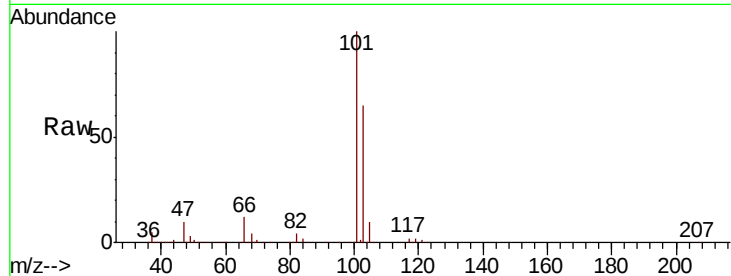


#7

Trichlorofluoromethane
 Concen: 47.661 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
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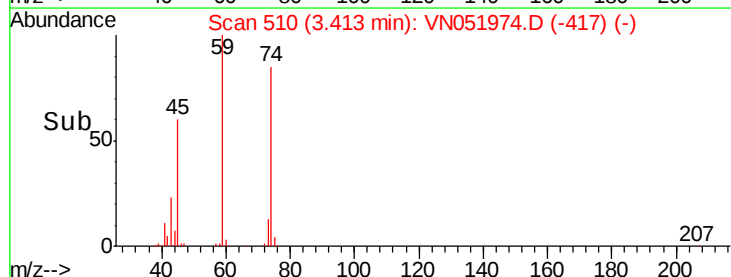
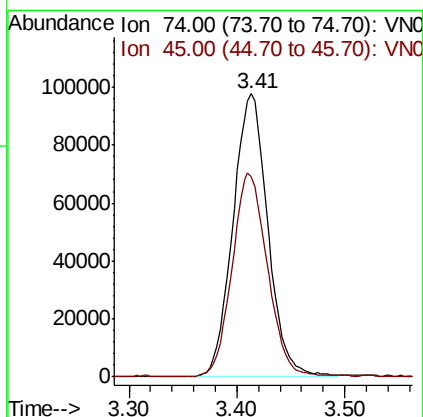
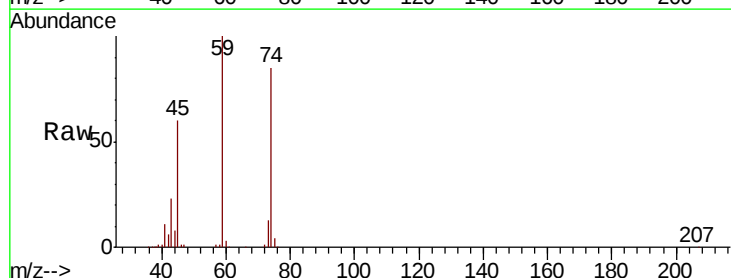
Tot Ion:101 Resp: 759192
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.0 78.0

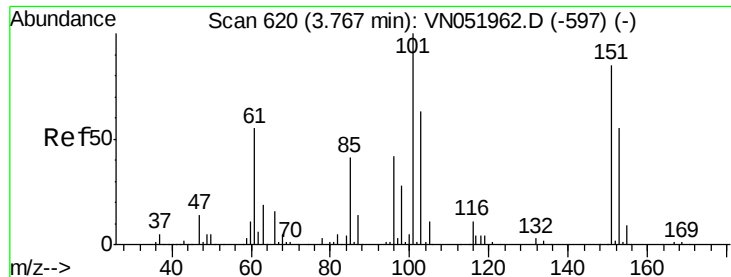


#8

Diethyl Ether
 Concen: 46.556 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion: 74 Resp: 220480
 Ion Ratio Lower Upper
 74 100
 45 72.2 35.5 106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.980 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

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ClientSampleId :

VSTDCCC050

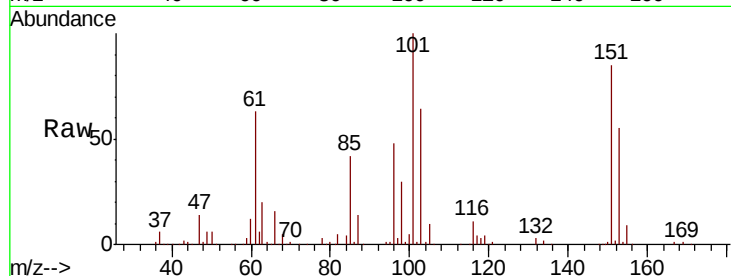
Tot Ion:101 Resp: 476916

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

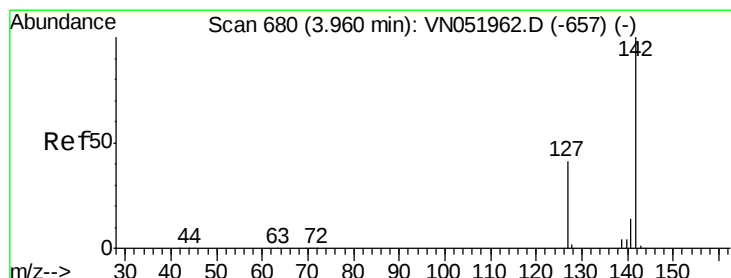
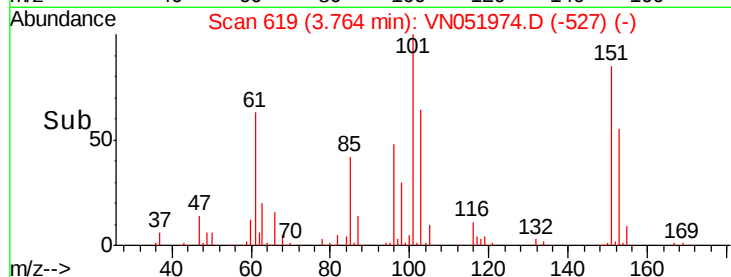
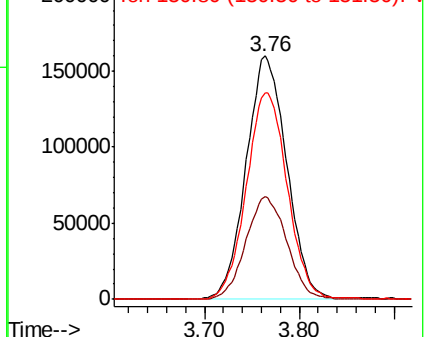
151 85.7 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.497 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

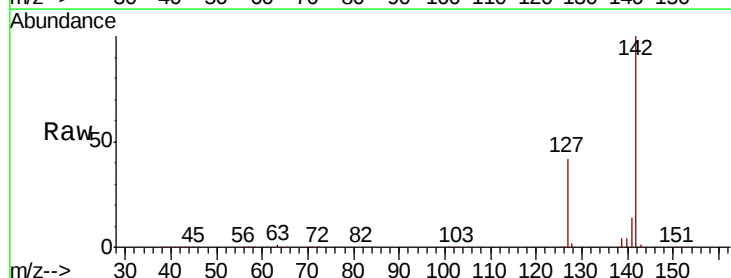
Tgt Ion:142 Resp: 727025

Ion Ratio Lower Upper

142 100

127 42.2 34.3 51.5

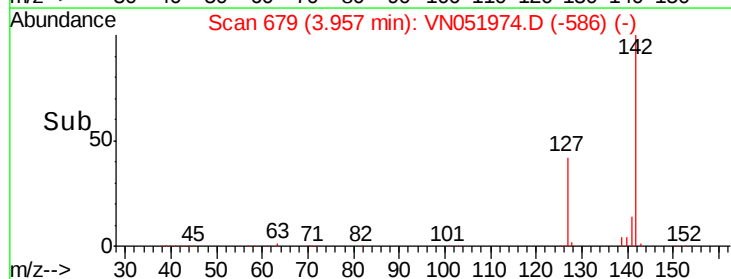
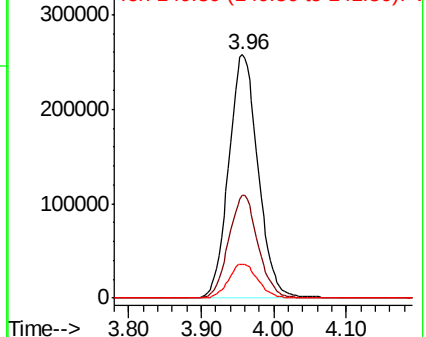
141 14.0 11.4 17.0

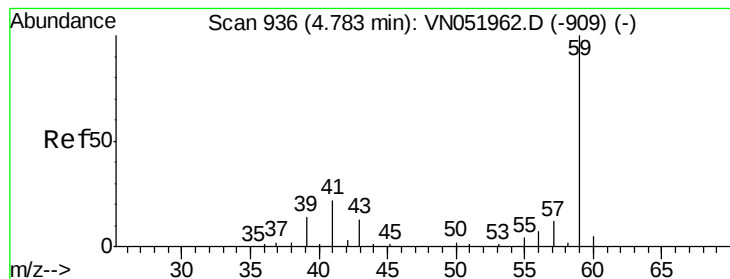


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



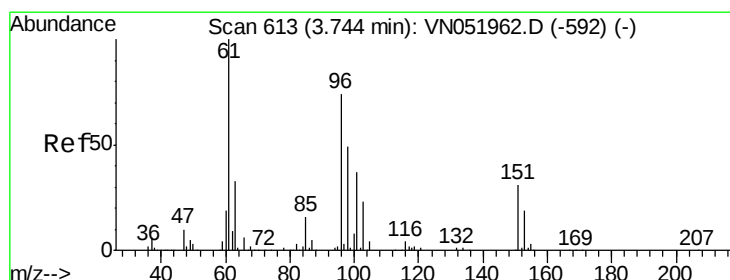
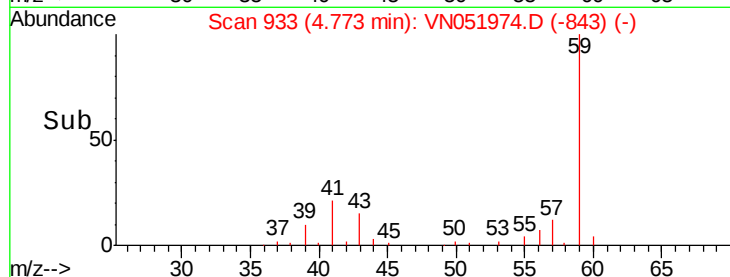
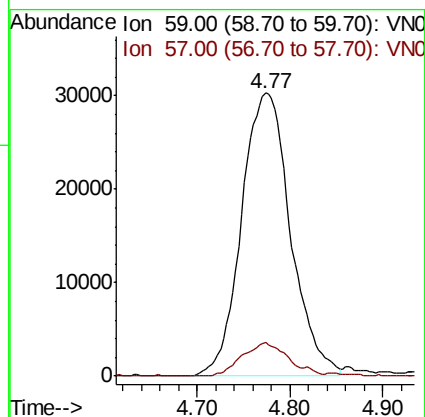
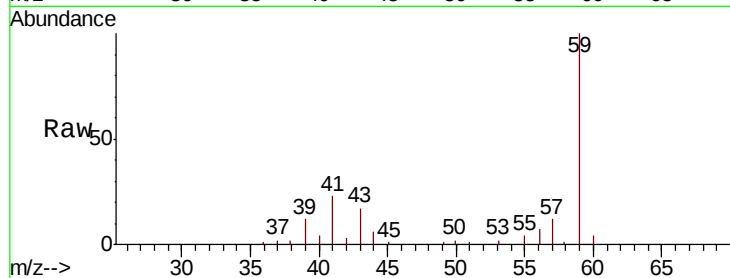


#11

Tert butyl alcohol
 Concen: 207.012 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

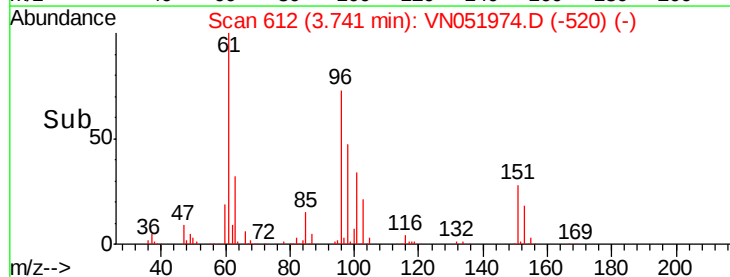
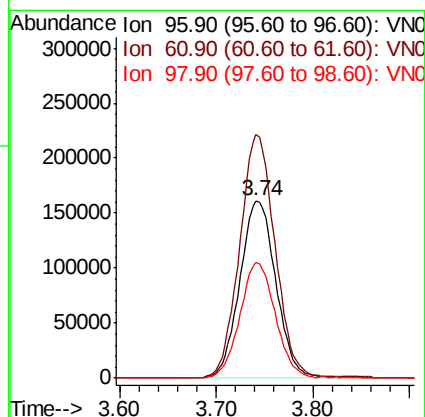
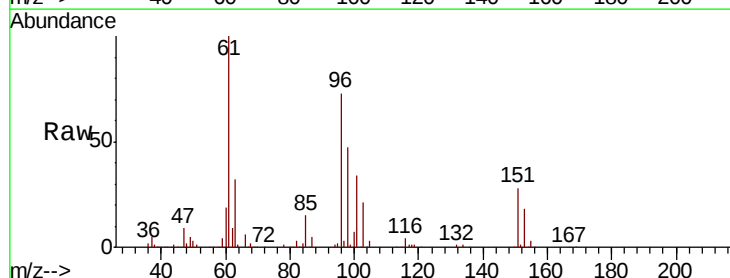
Tot Ion: 59 Resp: 111372
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.2 12.4

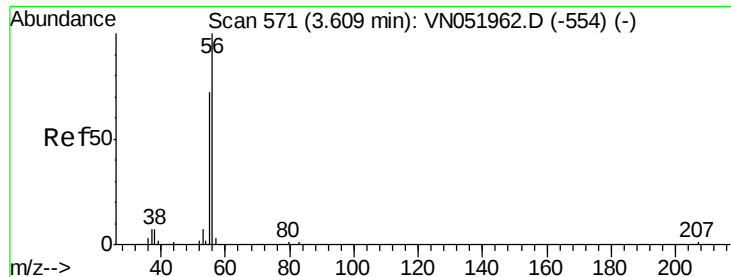


#12

1,1-Dichloroethene
 Concen: 48.948 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion: 96 Resp: 418281
 Ion Ratio Lower Upper
 96 100
 61 137.3 107.8 161.8
 98 65.2 52.7 79.1





#13

Acrolein

Concen: 215.291 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

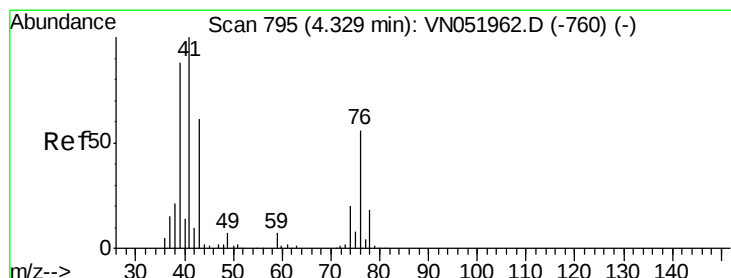
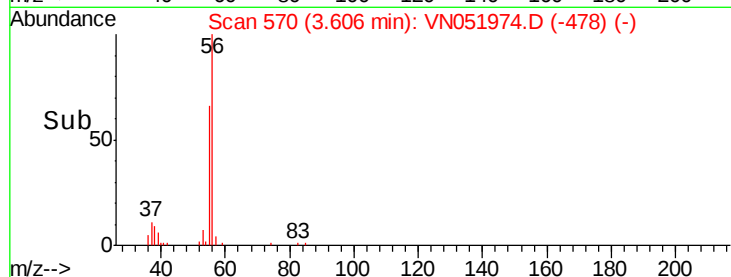
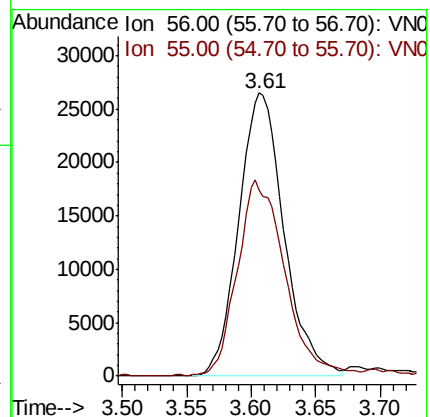
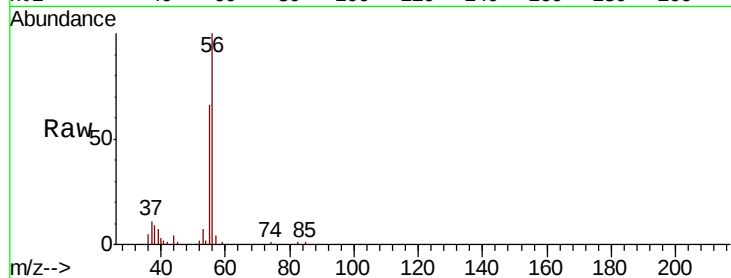
VSTDCCC050

Tot Ion: 56 Resp: 64786

Ion Ratio Lower Upper

56 100

55 72.7 56.6 84.8



#14

Allyl chloride

Concen: 49.089 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

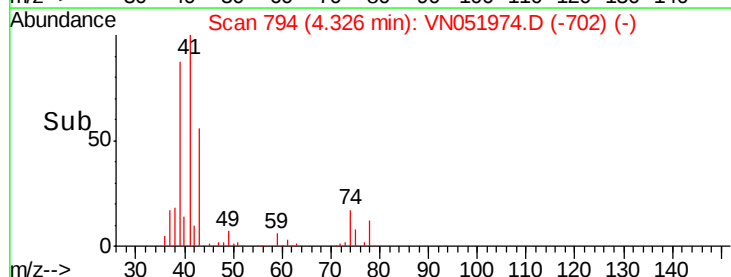
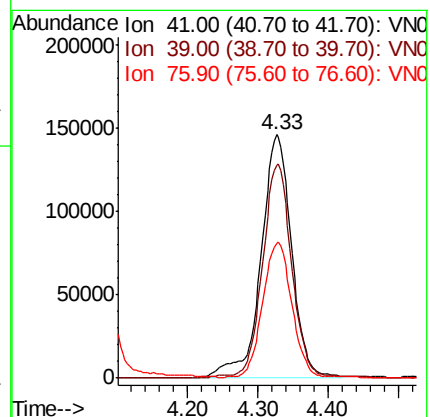
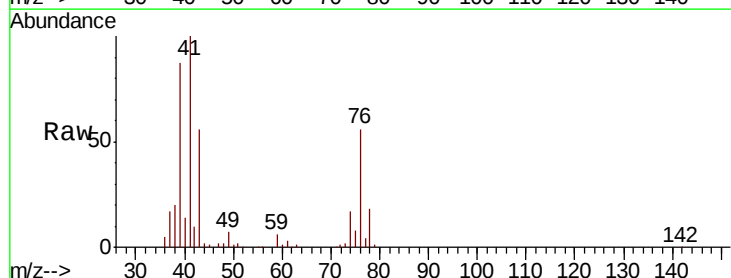
Tgt Ion: 41 Resp: 443883

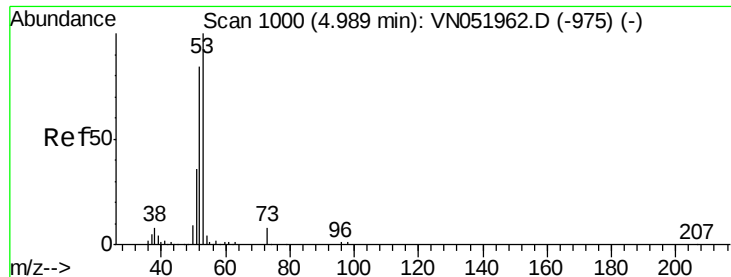
Ion Ratio Lower Upper

41 100

39 81.8 67.7 101.5

76 52.0 41.3 61.9





#15

Acrylonitrile

Concen: 236.514 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

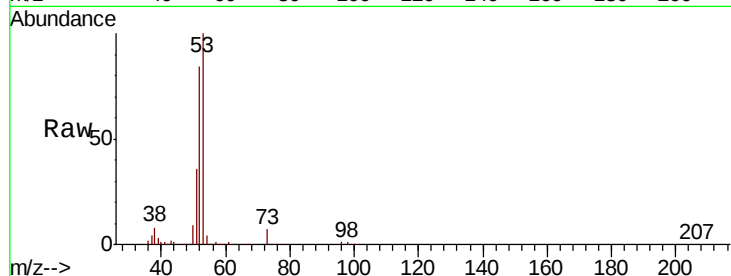
Tot Ion: 53 Resp: 537146

Ion Ratio Lower Upper

53 100

52 83.1 67.0 100.4

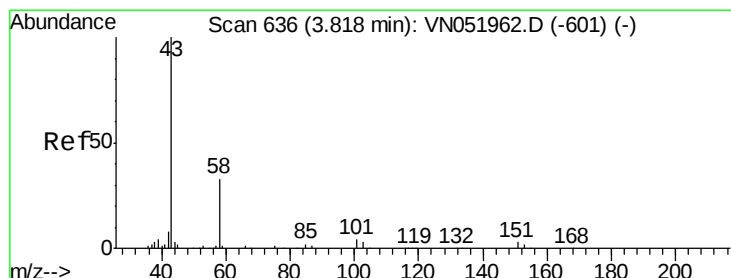
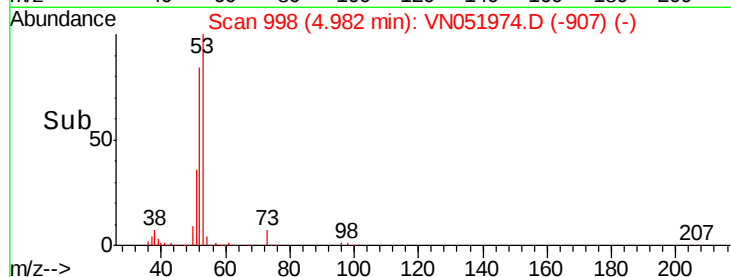
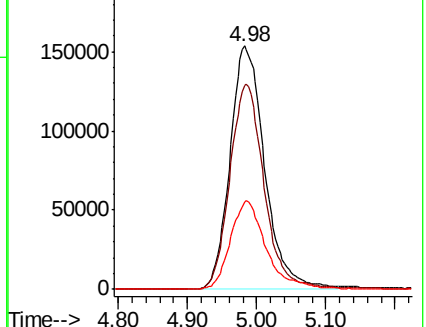
51 37.3 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN051962.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN051962.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN051962.D (-975) (-)



#16

Acetone

Concen: 212.158 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN051974.D

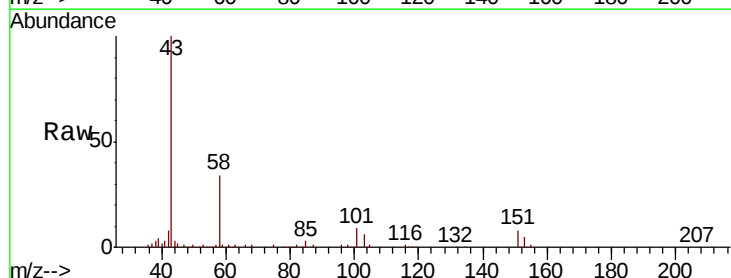
Acq: 24 Oct 2018 8:39

Tgt Ion: 43 Resp: 363372

Ion Ratio Lower Upper

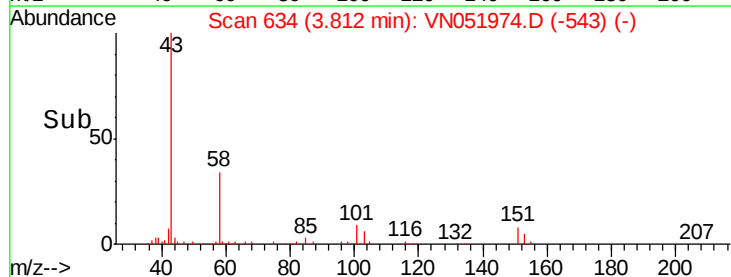
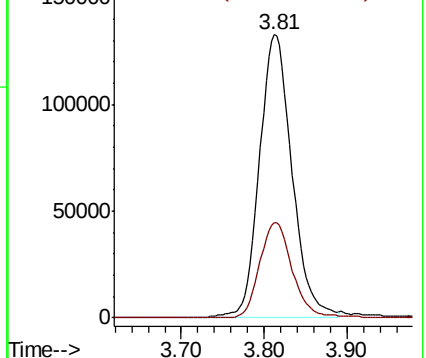
43 100

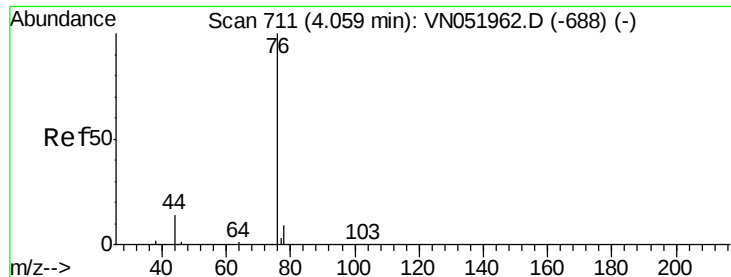
58 33.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)





#17

Carbon Disulfide

Concen: 52.228 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

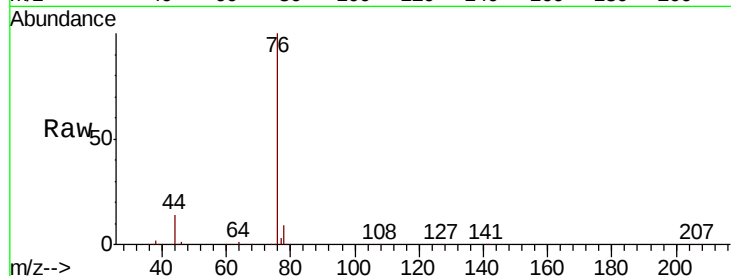
VSTDCCC050

Tot Ion: 76 Resp: 1060915

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

400000

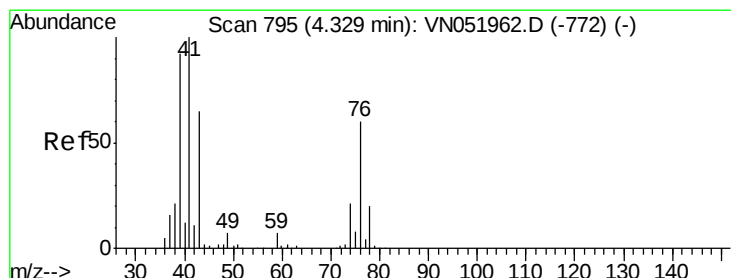
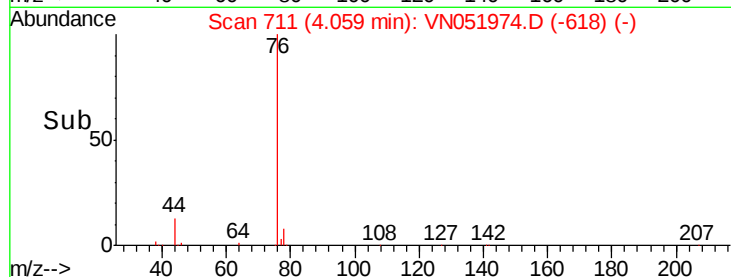
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 46.082 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN051974.D

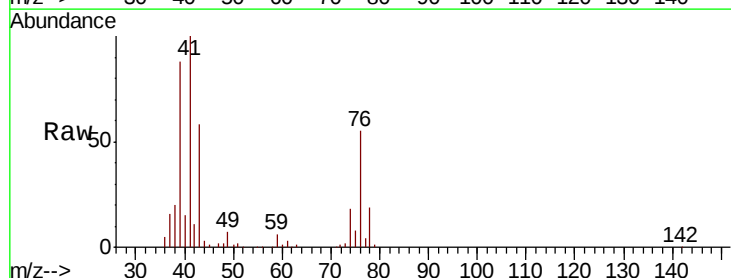
Acq: 24 Oct 2018 8:39

Tgt Ion: 43 Resp: 240659

Ion Ratio Lower Upper

43 100

74 32.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

80000

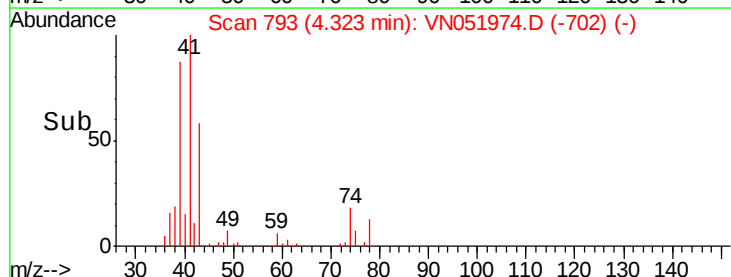
60000

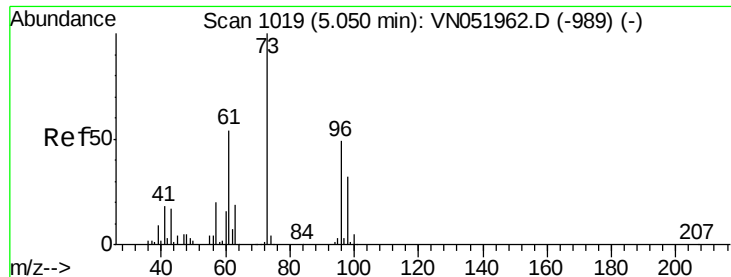
40000

20000

0

Time--> 4.20 4.30 4.40

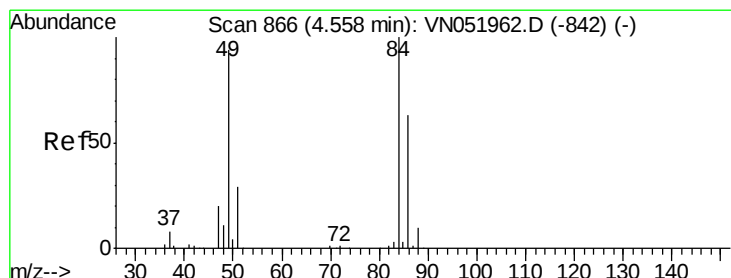
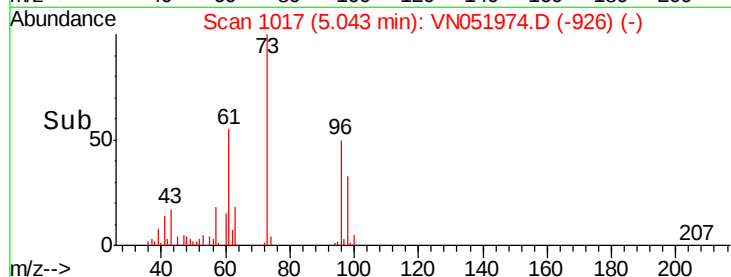
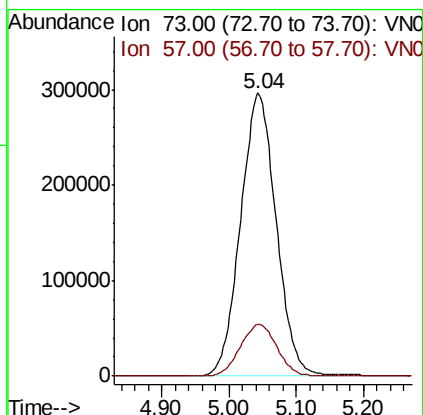
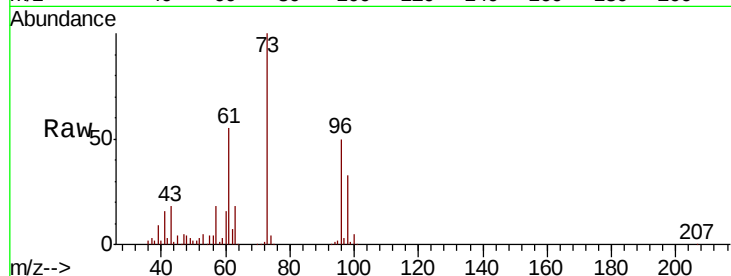




#19
Methyl tert-butyl Ether
Concen: 47.461 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

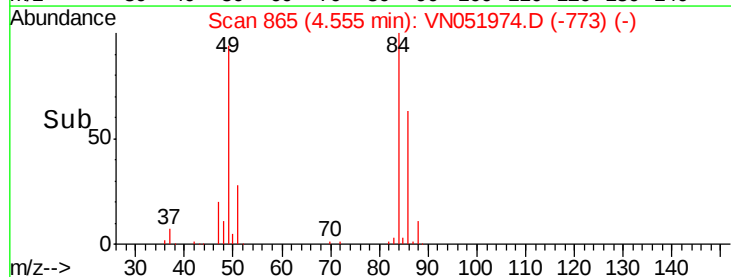
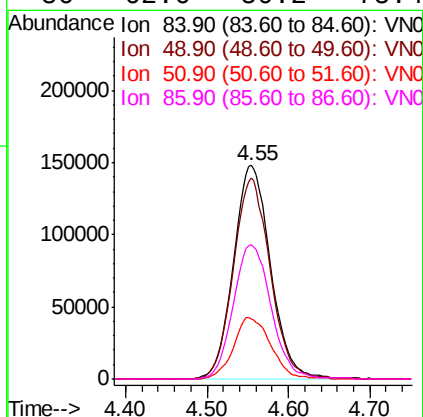
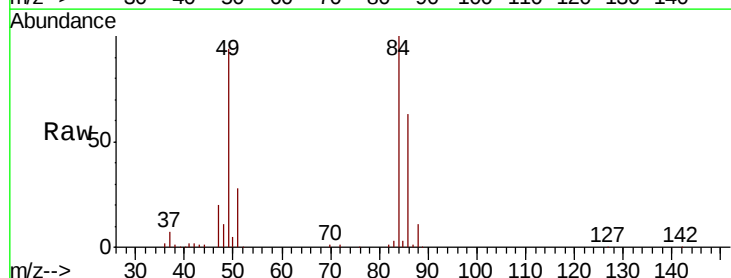
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

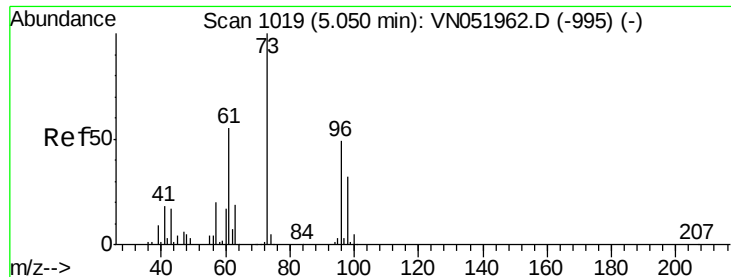
Tot Ion: 73 Resp: 1088896
Ion Ratio Lower Upper
73 100
57 18.5 15.9 23.9



#20
Methylene Chloride
Concen: 46.434 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 84 Resp: 466540
Ion Ratio Lower Upper
84 100
49 94.1 75.4 113.0
51 28.4 23.1 34.7
86 62.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 49.431 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

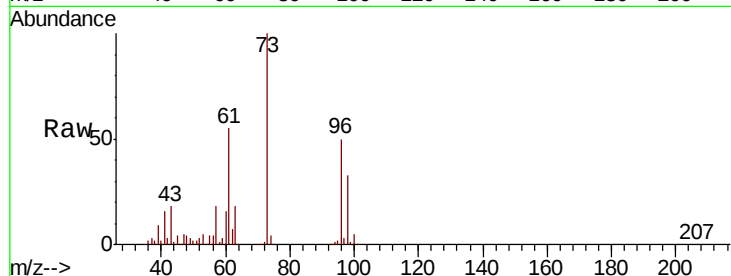
Tot Ion: 96 Resp: 478384

Ion Ratio Lower Upper

96 100

61 110.3 89.0 133.4

98 65.9 51.8 77.8

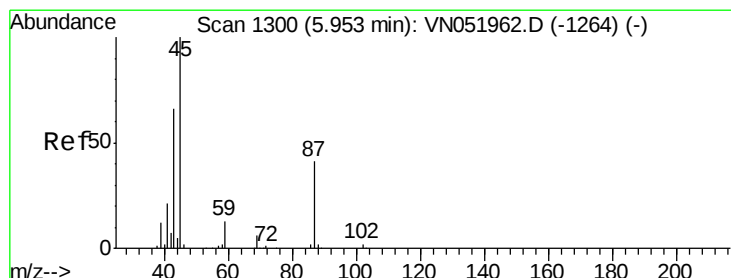
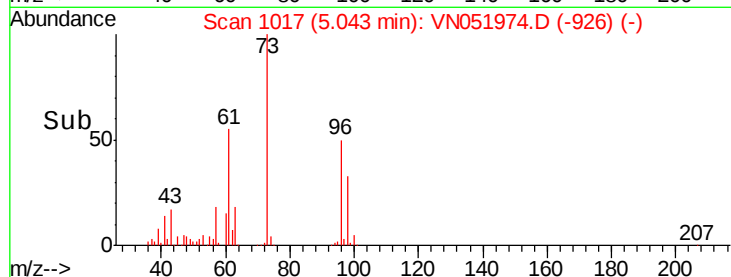
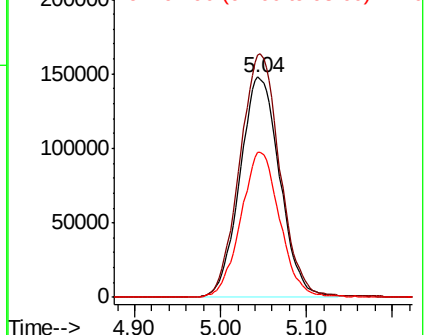


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.225 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Tgt Ion: 45 Resp: 997684

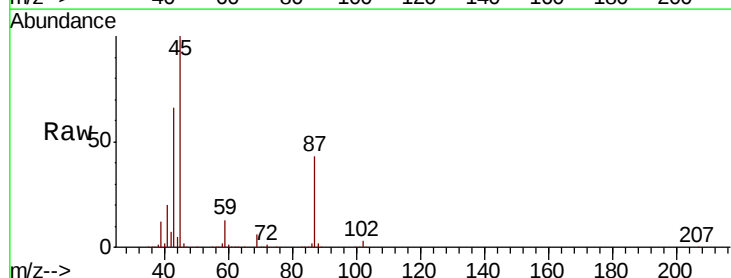
Ion Ratio Lower Upper

45 100

43 64.6 52.9 79.3

87 42.8 33.4 50.0

59 13.0 10.5 15.7



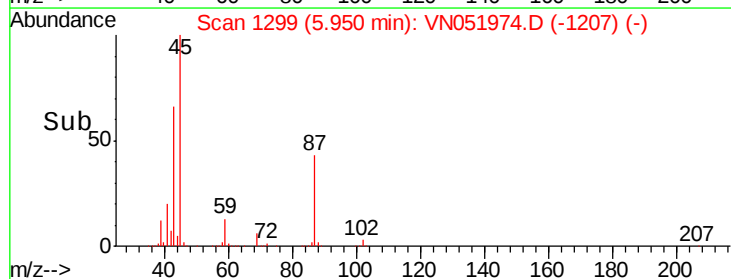
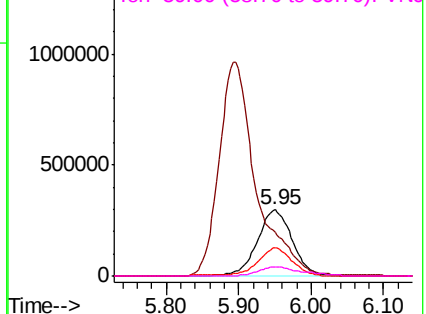
Abundance

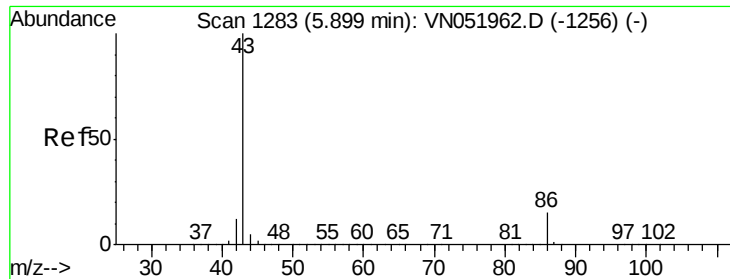
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 242.656 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

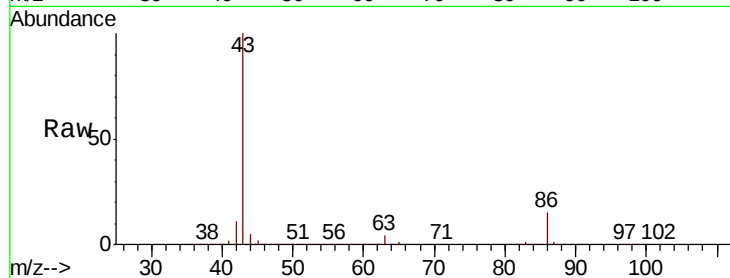
VSTDCCC050

Tot Ion: 43 Resp: 3414987

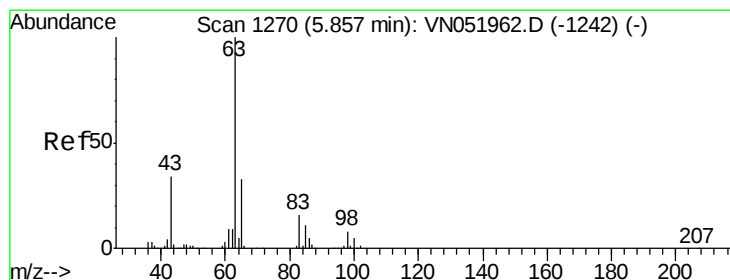
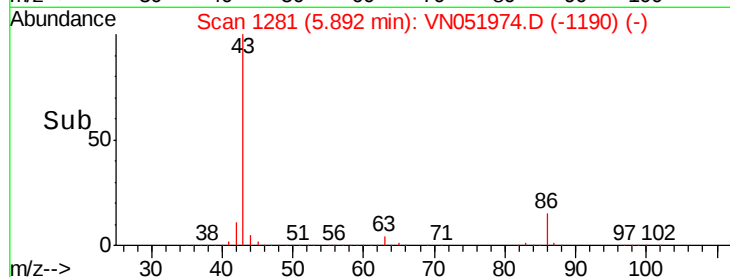
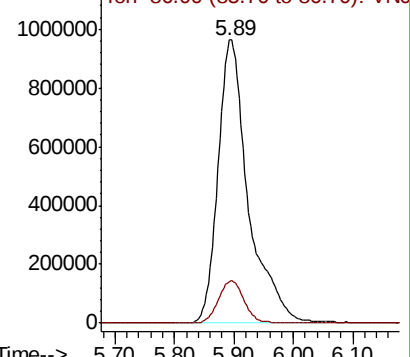
Ion Ratio Lower Upper

43 100

86 14.8 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1256) (-)



#24

1,1-Dichloroethane

Concen: 48.654 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

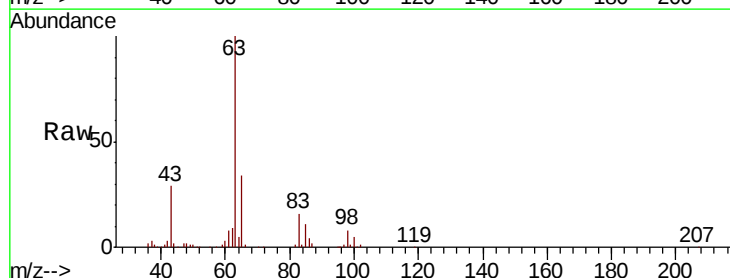
Tgt Ion: 63 Resp: 734878

Ion Ratio Lower Upper

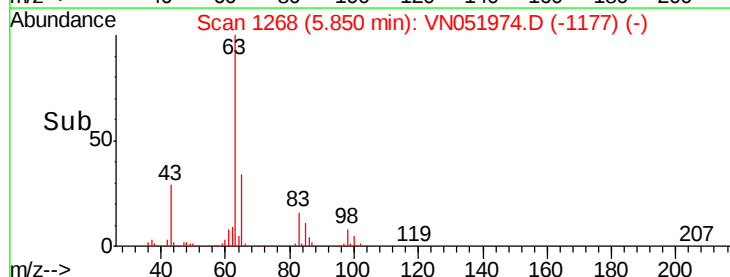
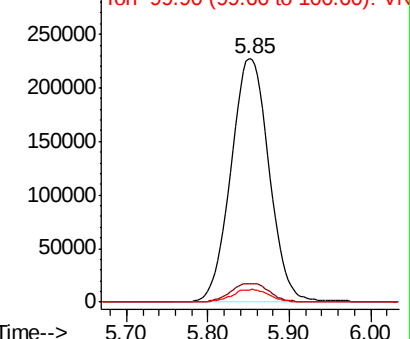
63 100

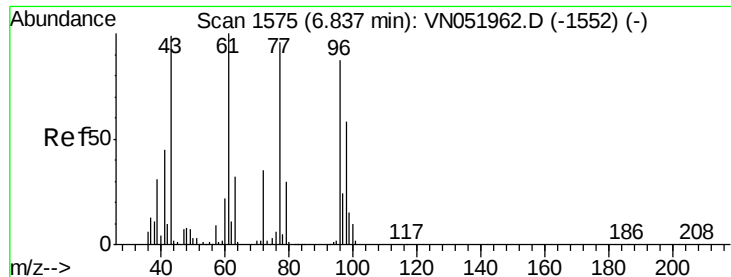
98 7.5 3.9 11.7

100 5.0 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-1242) (-)





#25

2-Butanone

Concen: 230.490 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

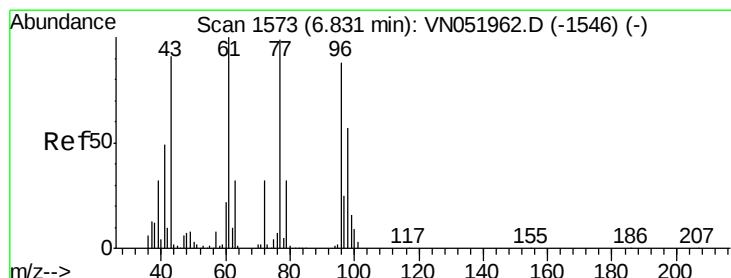
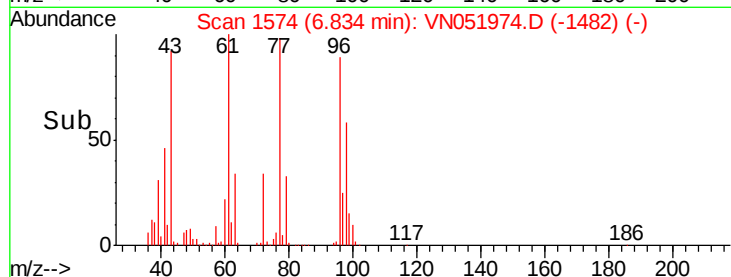
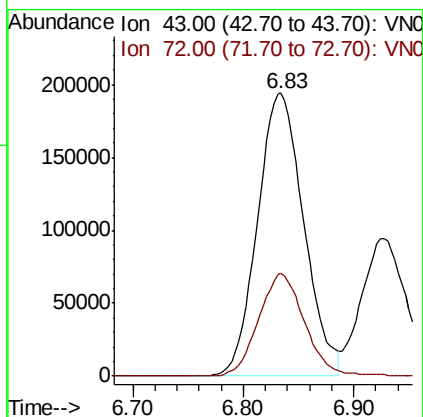
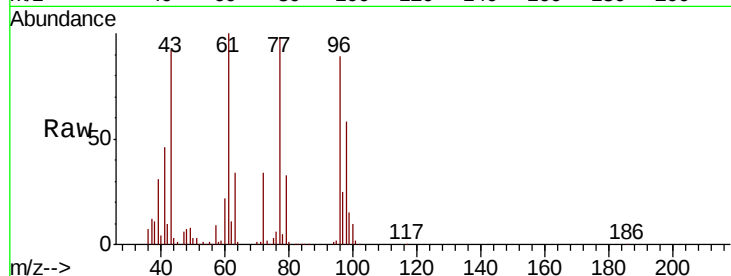
VSTDCCC050

Tot Ion: 43 Resp: 562785

Ion Ratio Lower Upper

43 100

72 36.4 28.5 42.7



#26

2,2-Dichloropropane

Concen: 51.607 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN051974.D

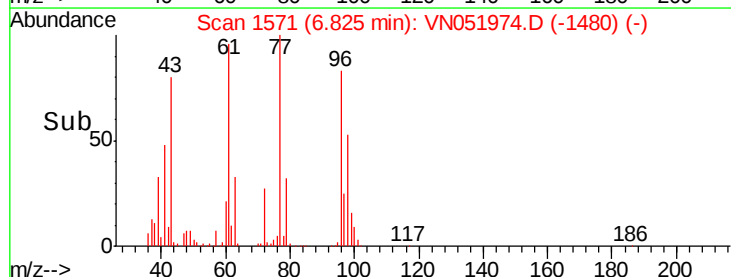
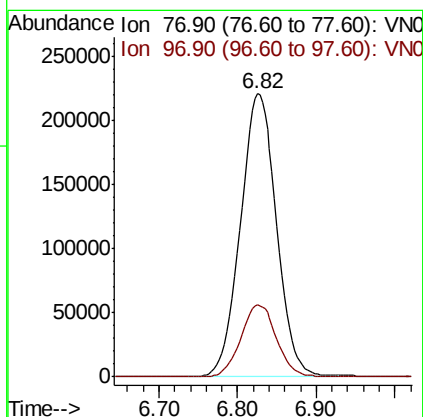
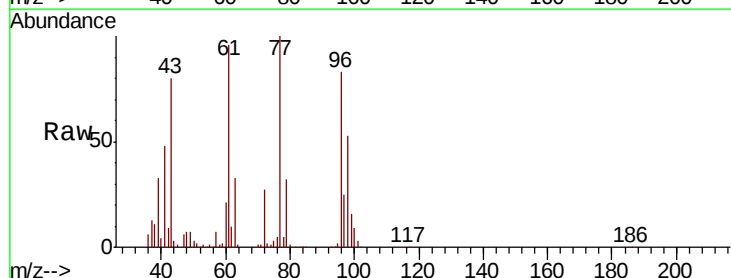
Acq: 24 Oct 2018 8:39

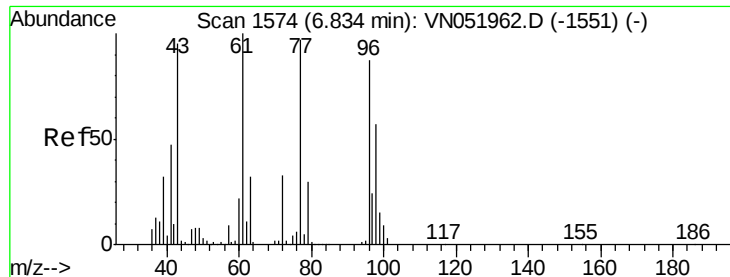
Tgt Ion: 77 Resp: 713162

Ion Ratio Lower Upper

77 100

97 25.2 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 49.484 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

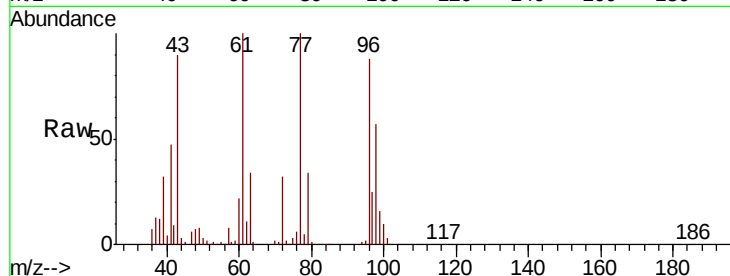
Tot Ion: 96 Resp: 559444

Ion Ratio Lower Upper

96 100

61 116.0 0.0 234.4

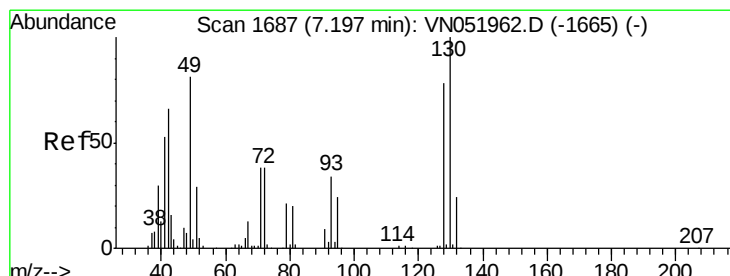
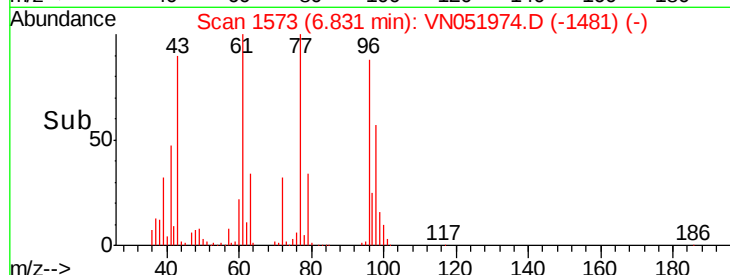
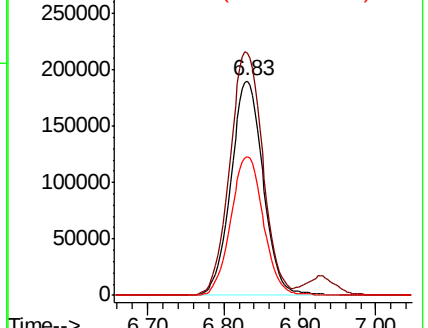
98 65.4 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VN051962.D (-1551) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-1551) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1551) (-)



#28

Bromochloromethane

Concen: 45.088 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

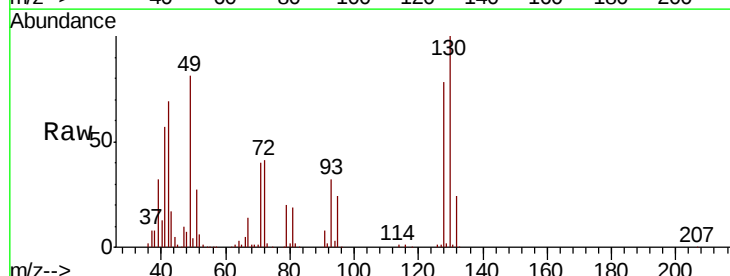
Tgt Ion: 49 Resp: 274468

Ion Ratio Lower Upper

49 100

129 3.2 0.0 5.4

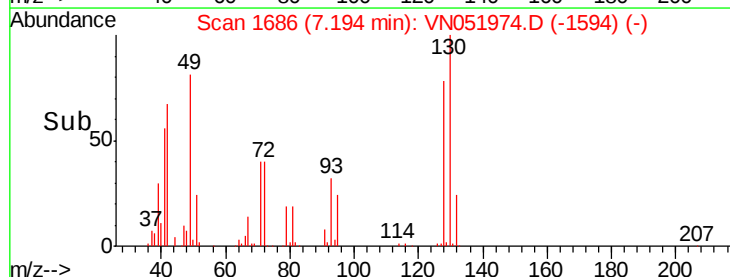
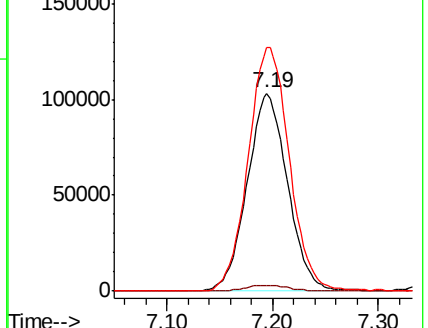
130 126.0 97.0 145.6

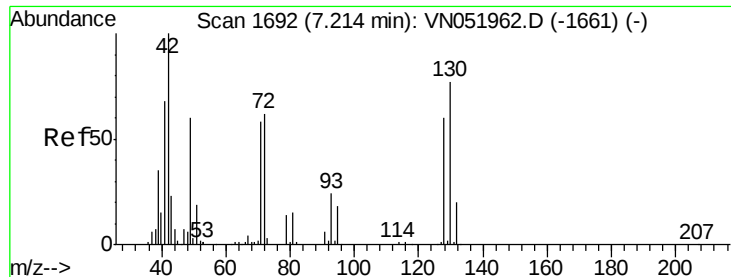


Abundance Ion 48.90 (48.60 to 49.60): VN051962.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051962.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051962.D (-1665) (-)





#29

Tetrahydrofuran

Concen: 215.040 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

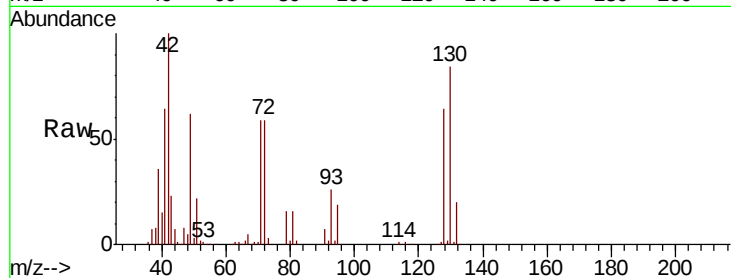
Tot Ion: 42 Resp: 355743

Ion Ratio Lower Upper

42 100

72 60.6 47.5 71.3

71 57.6 45.4 68.2



Abundance Ion 42.00 (41.70 to 42.70): VN051962.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN051962.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN051962.D (-1661) (-)

7.21

150000

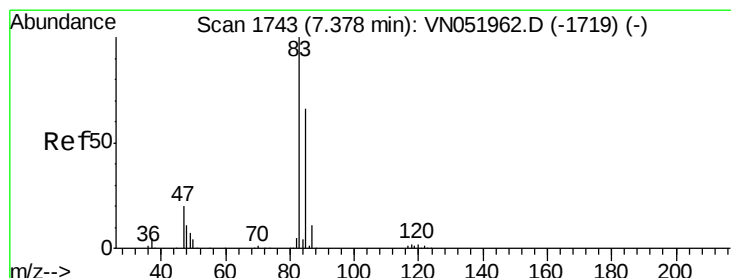
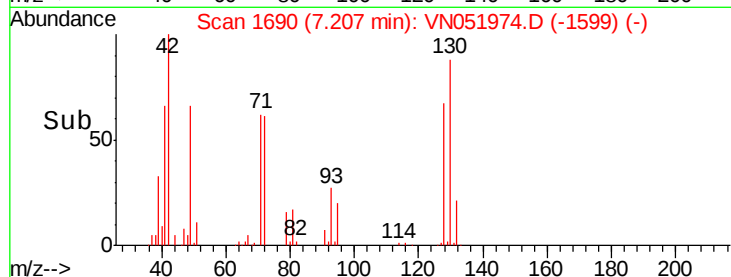
100000

50000

0

7.10 7.20 7.30

Time-->



#30

Chloroform

Concen: 48.804 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VN051974.D

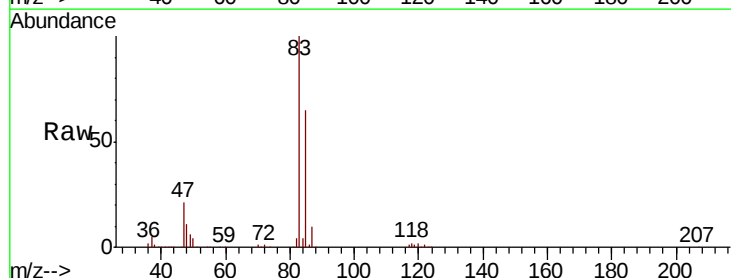
Acq: 24 Oct 2018 8:39

Tgt Ion: 83 Resp: 900084

Ion Ratio Lower Upper

83 100

85 64.6 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-1719) (-)

7.37

400000

300000

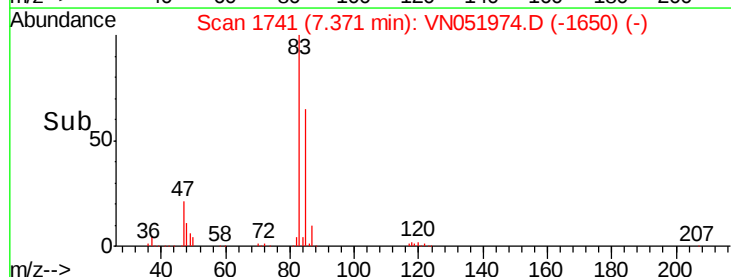
200000

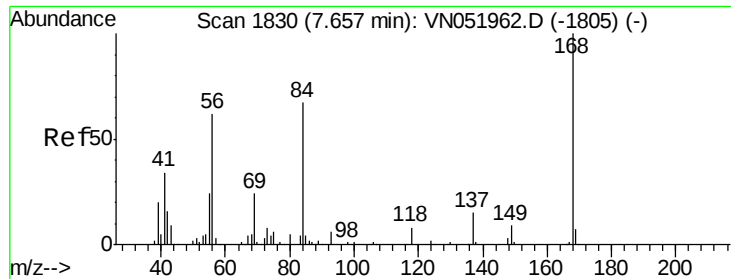
100000

0

7.20 7.30 7.40 7.50

Time-->

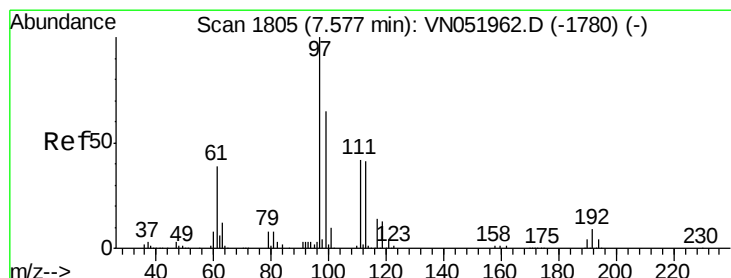
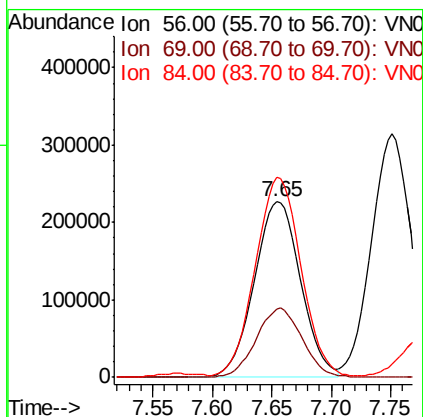
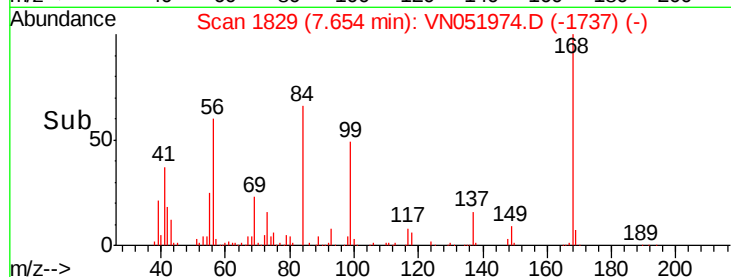
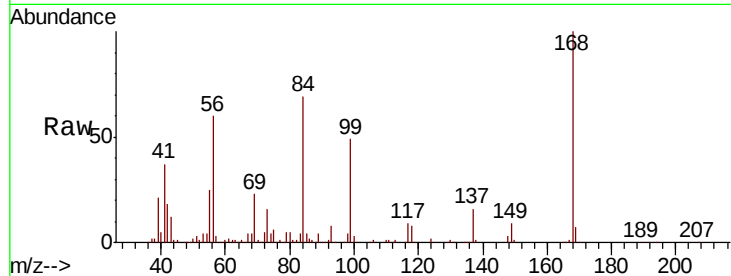




#31
Cyclohexane
Concen: 50.570 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

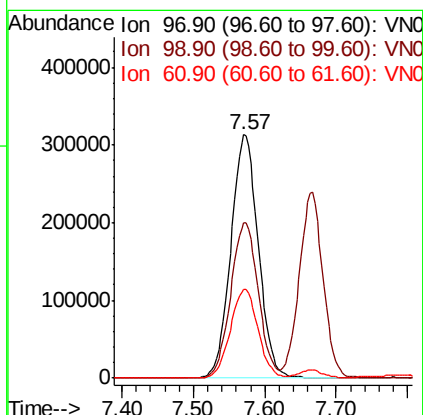
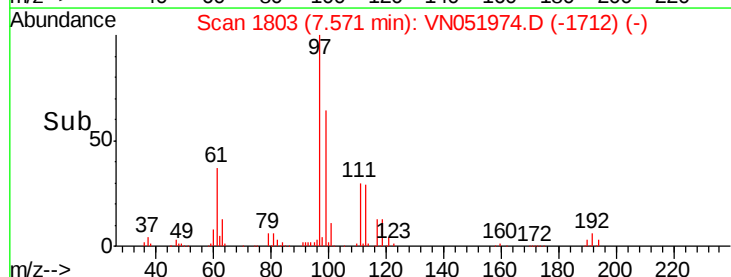
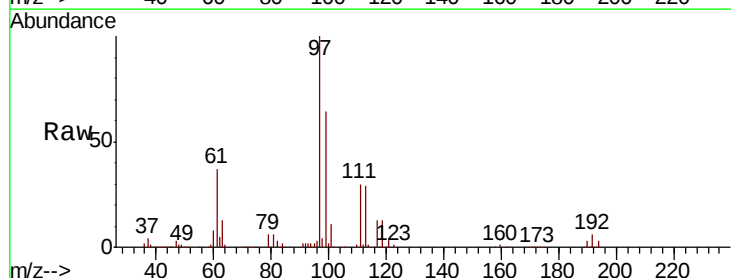
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

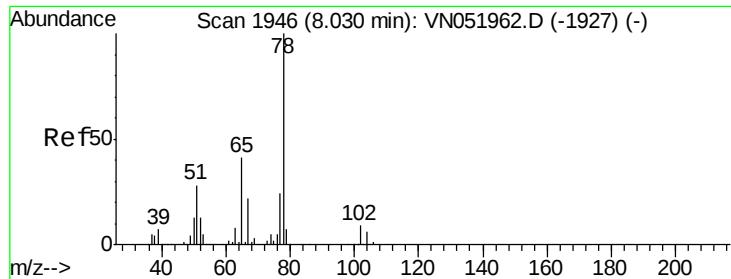
Tot Ion: 56 Resp: 613190
Ion Ratio Lower Upper
56 100
69 38.6 31.2 46.8
84 112.2 86.3 129.5



#32
1,1,1-Trichloroethane
Concen: 49.705 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 97 Resp: 838253
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 37.0 30.1 45.1

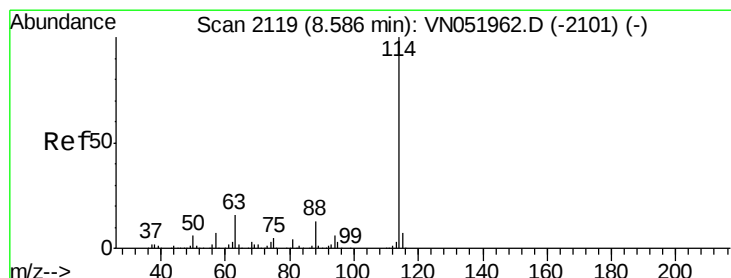
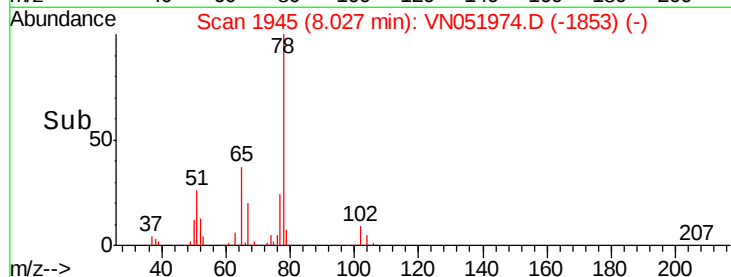
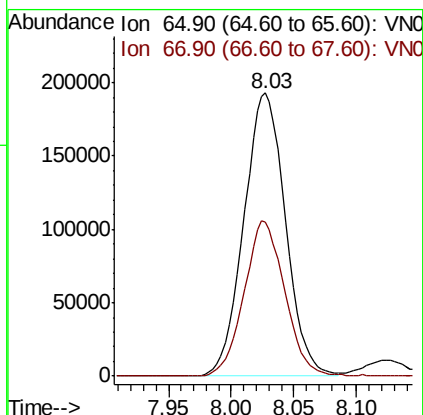
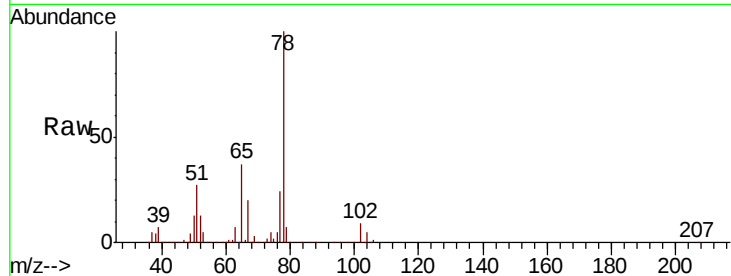




#33
 1,2-Dichloroethane-d4
 Concen: 49.705 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

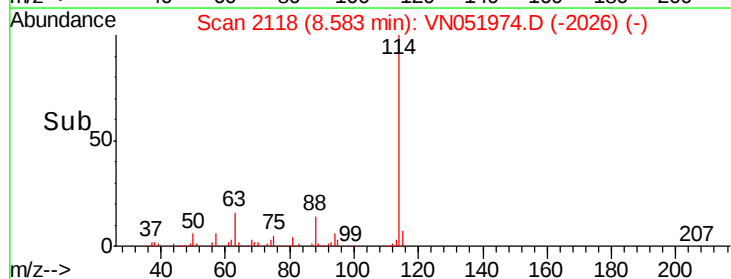
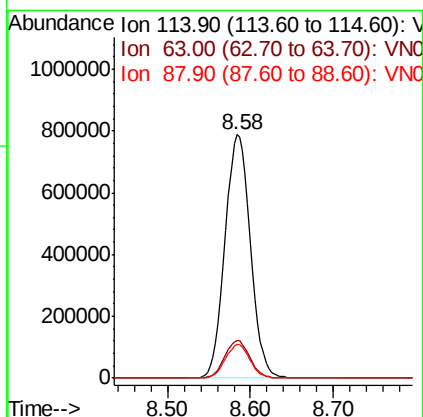
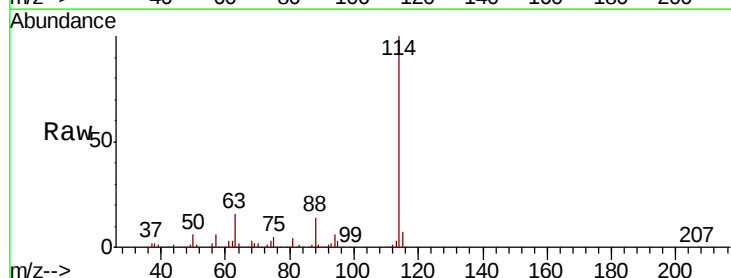
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

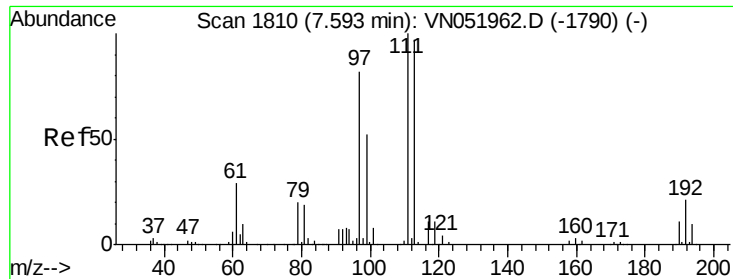
Tot Ion: 65 Resp: 446124
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion: 114 Resp: 1678158
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.2
 88 13.8 0.0 27.0

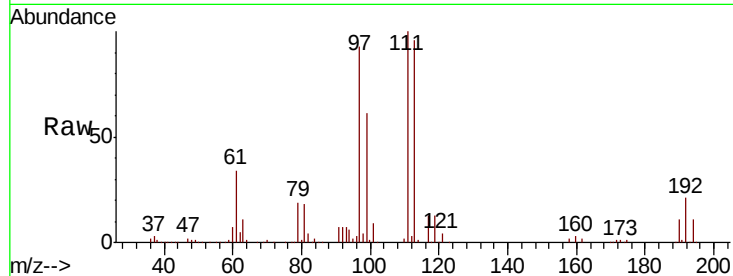




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.7	121.1
192	22.1	17.2	25.8

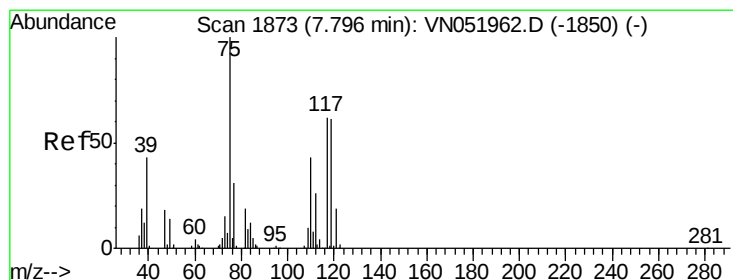
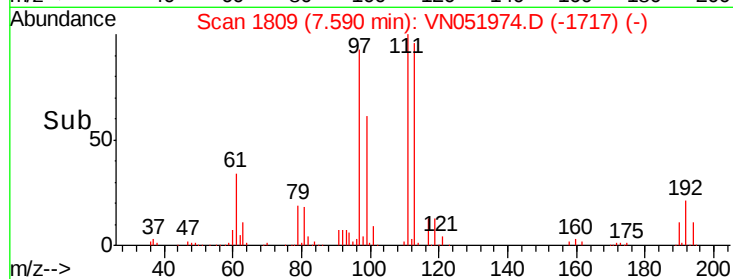
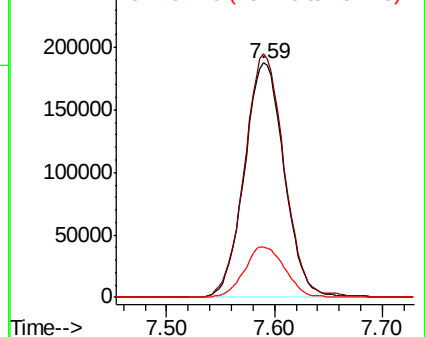


Abundance

Ion 112.80 (112.50 to 113.50): V

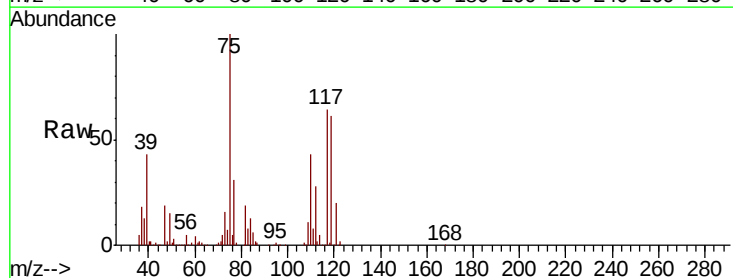
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.950 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	42.7	20.9	62.8
77	31.3	24.9	37.3

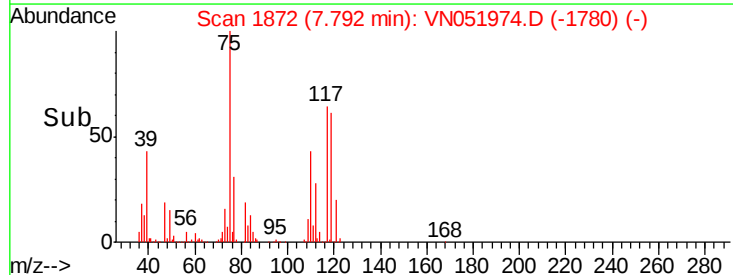
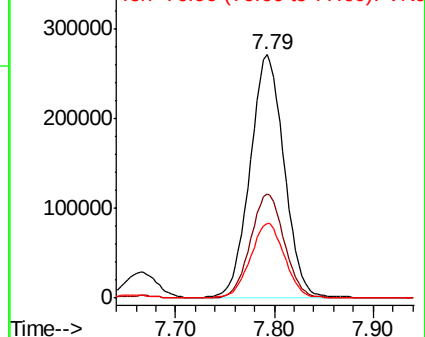


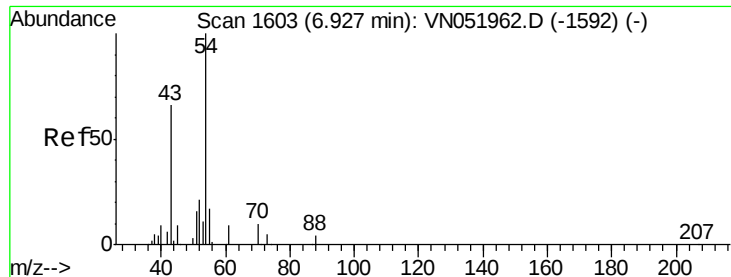
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

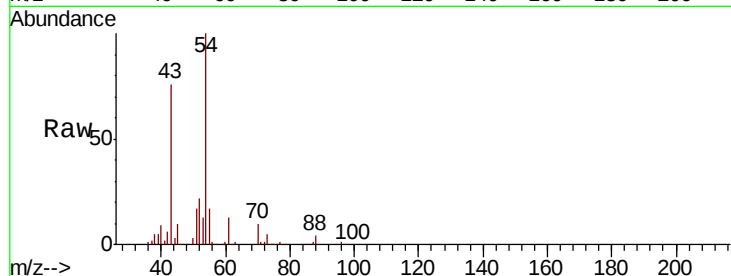




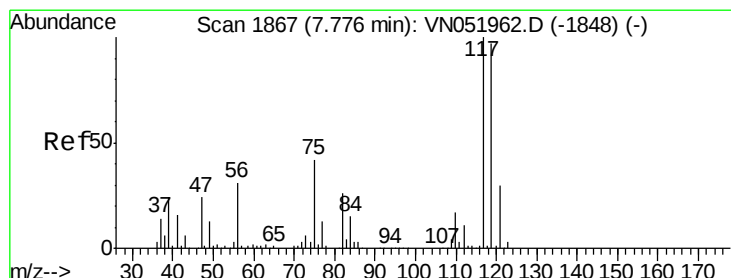
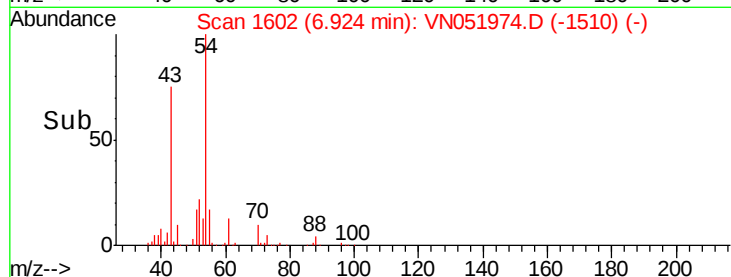
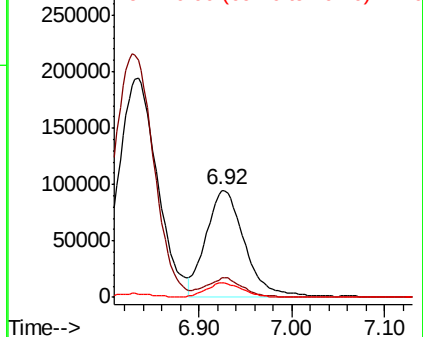
#37
Ethyl Acetate
Concen: 46.971 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 270832
Ion Ratio Lower Upper
43 100
61 16.3 13.5 20.3
70 13.0 9.8 14.6

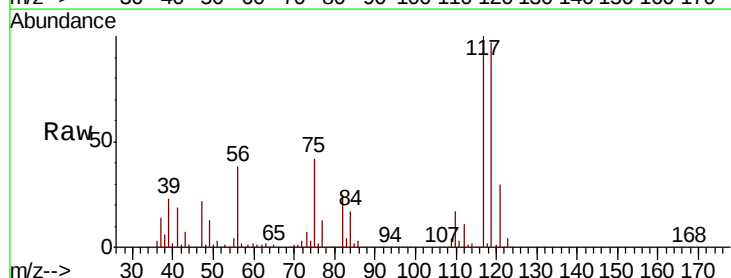


Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1592) (-)
Ion 60.90 (60.60 to 61.60): VN051962.D (-1592) (-)
Ion 70.00 (69.70 to 70.70): VN051962.D (-1592) (-)

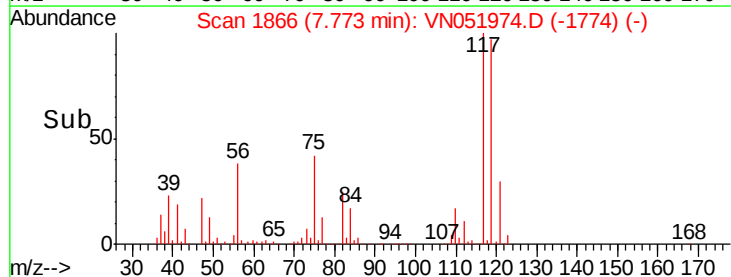
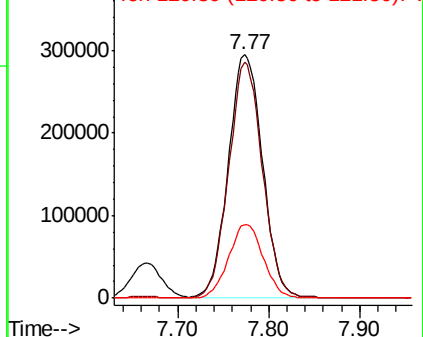


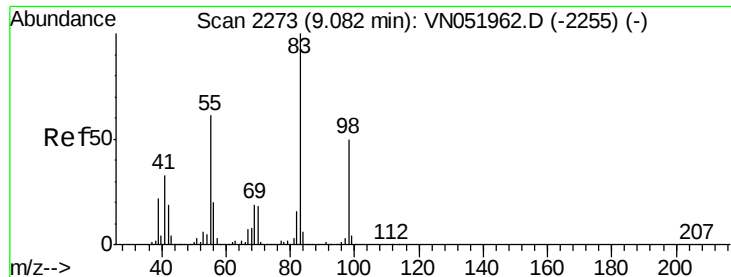
#38
Carbon Tetrachloride
Concen: 52.229 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 117 Resp: 771862
Ion Ratio Lower Upper
117 100
119 97.0 77.4 116.0
121 30.4 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-1848) (-)
Ion 118.80 (118.50 to 119.50): VN051962.D (-1848) (-)
Ion 120.80 (120.50 to 121.50): VN051962.D (-1848) (-)

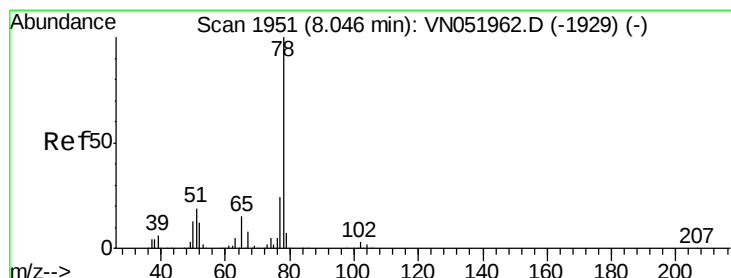
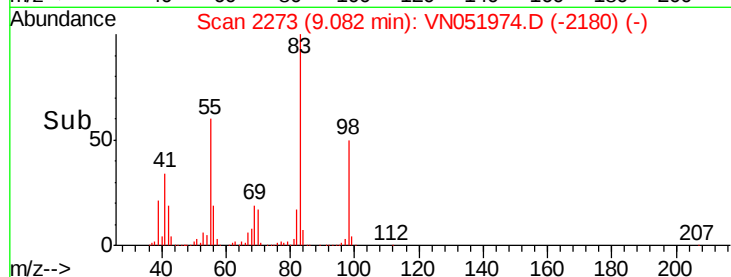
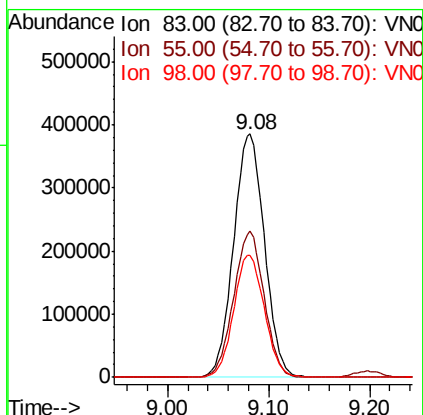
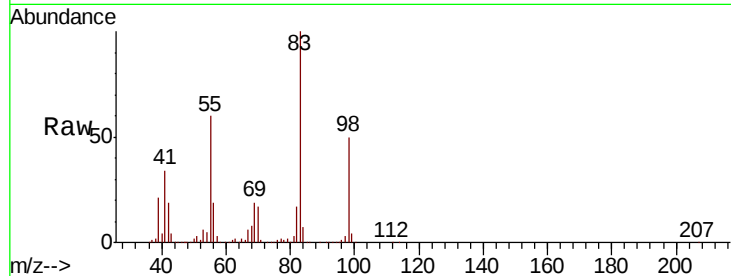




#39
Methvlcvclohexane
Concen: 52.188 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

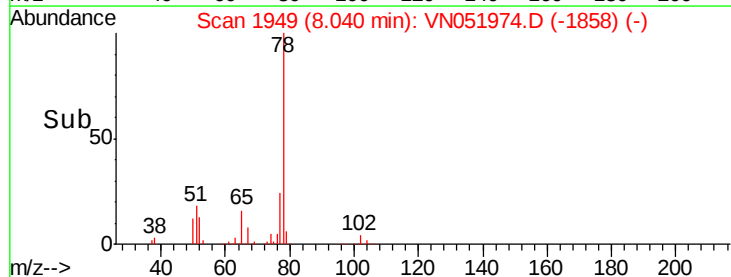
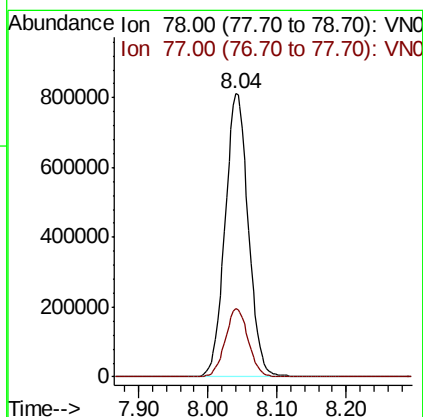
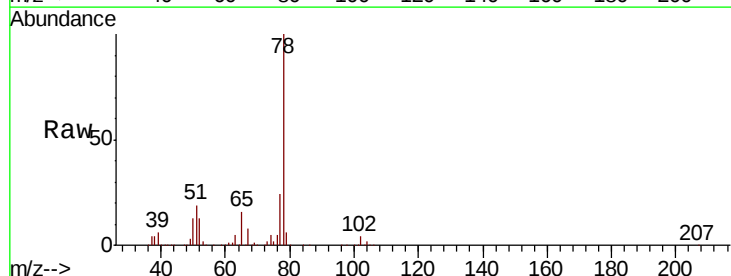
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

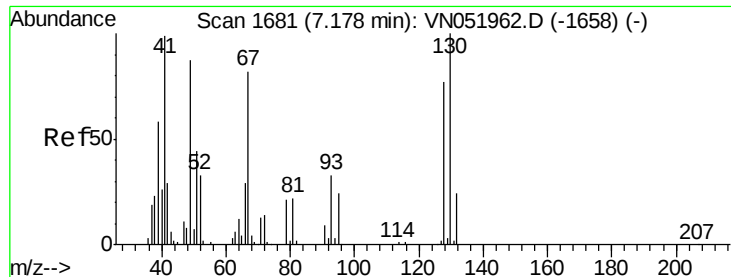
Tot Ion: 83 Resp: 820549
Ion Ratio Lower Upper
83 100
55 59.9 48.9 73.3
98 50.1 40.2 60.2



#40
Benzene
Concen: 49.834 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 78 Resp: 1904724
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0





#41

Methacrylonitrile

Concen: 47.489 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 137371

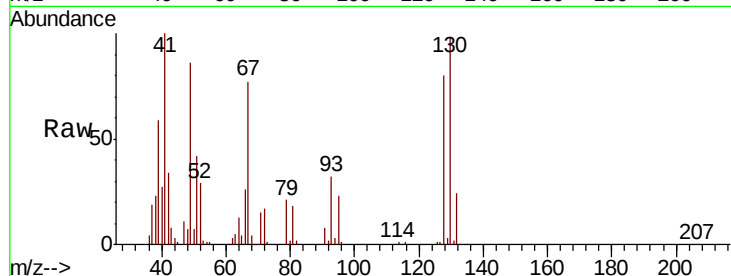
Ion Ratio Lower Upper

41 100

39 63.5 53.1 79.7

67 111.1 93.8 140.6

52 40.6 35.2 52.8



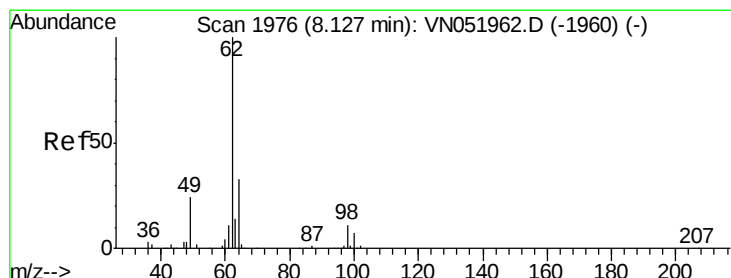
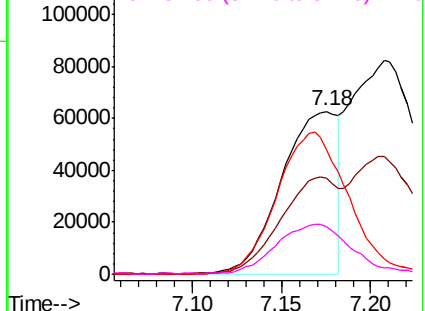
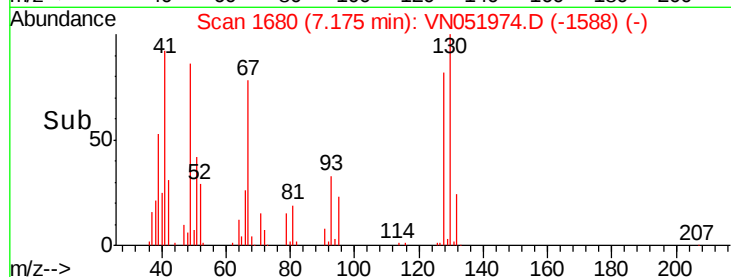
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 47.733 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051974.D

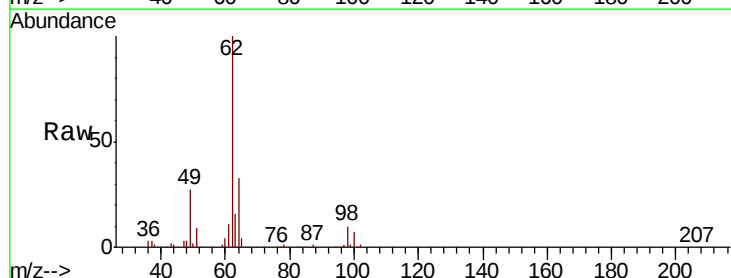
Acq: 24 Oct 2018 8:39

Tgt Ion: 62 Resp: 584958

Ion Ratio Lower Upper

62 100

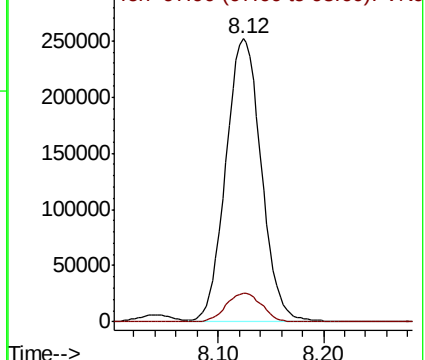
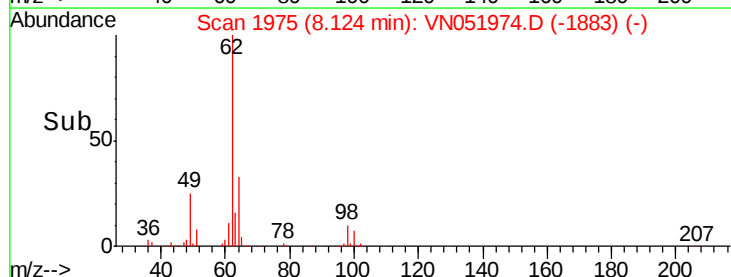
98 10.4 0.0 20.6

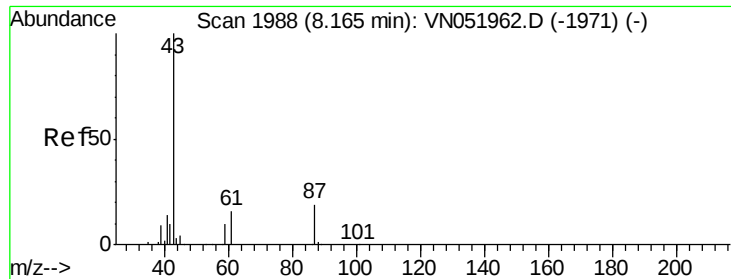


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 47.649 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

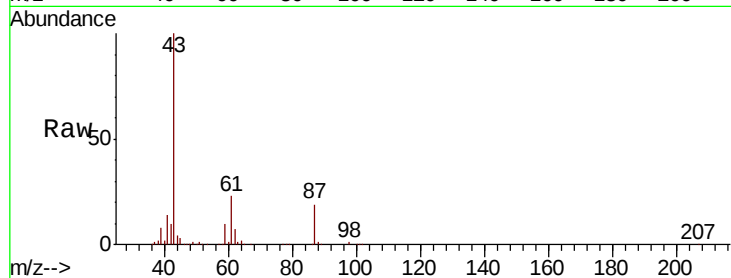
Tot Ion: 43 Resp: 513691

Ion Ratio Lower Upper

43 100

61 22.1 17.2 25.8

87 18.8 15.2 22.8

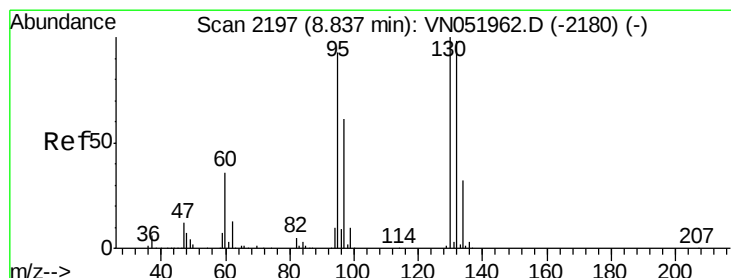
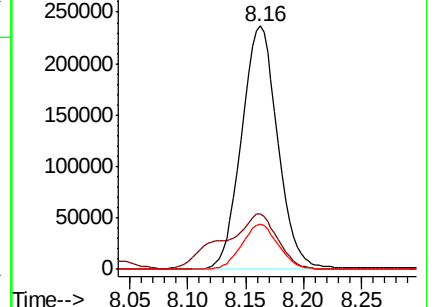
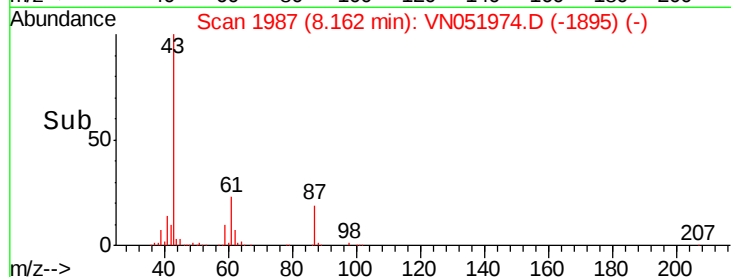


Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)

Time-->



#44

Trichloroethene

Concen: 50.921 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051974.D

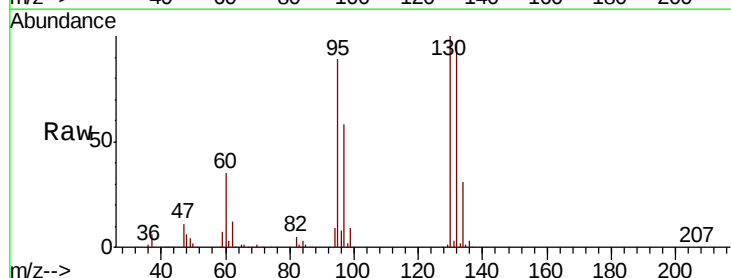
Acq: 24 Oct 2018 8:39

Tgt Ion: 130 Resp: 624715

Ion Ratio Lower Upper

130 100

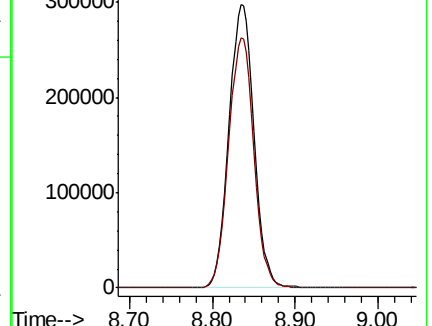
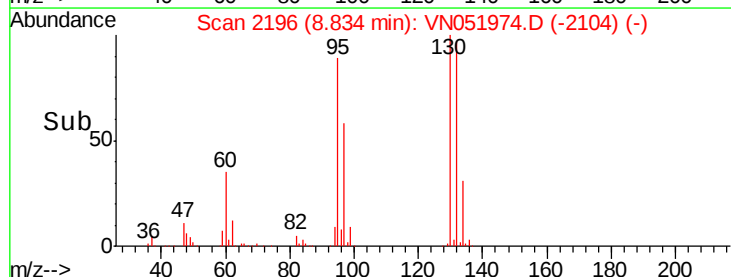
95 88.6 0.0 185.2

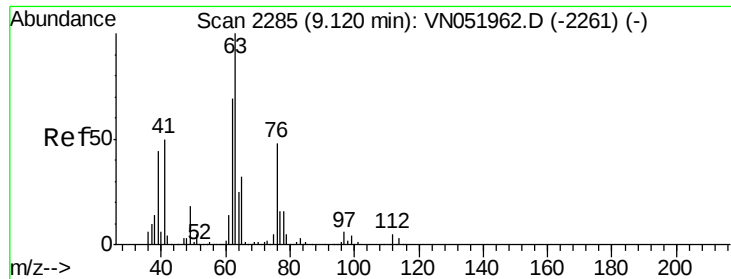


Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051962.D (-2180) (-)

Time-->

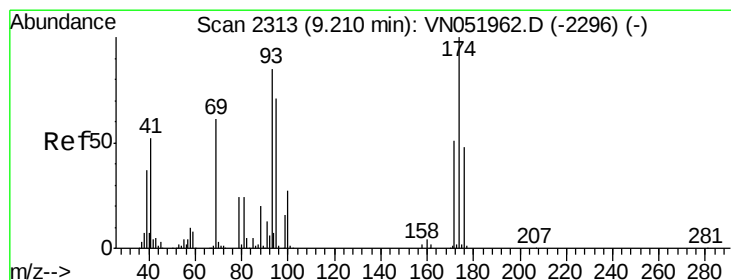
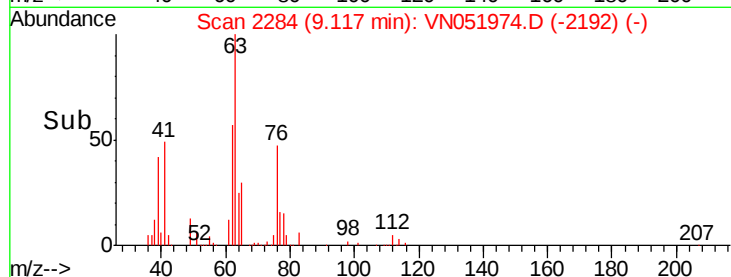
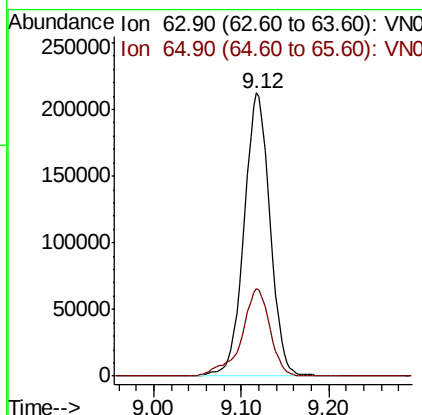
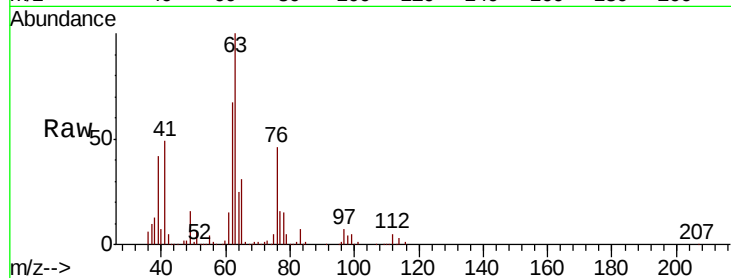




#45
 1,2-Dichloropropane
 Concen: 50.503 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

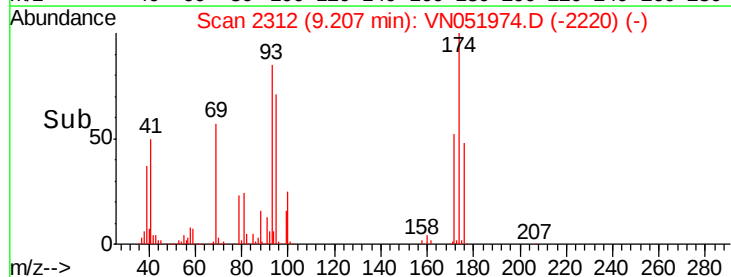
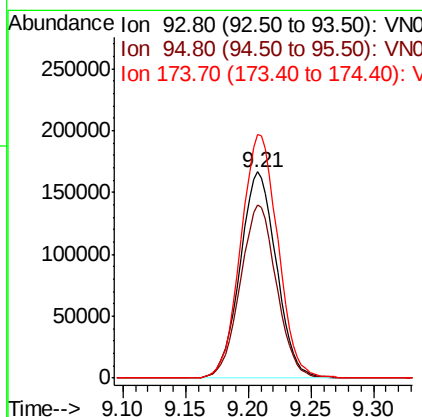
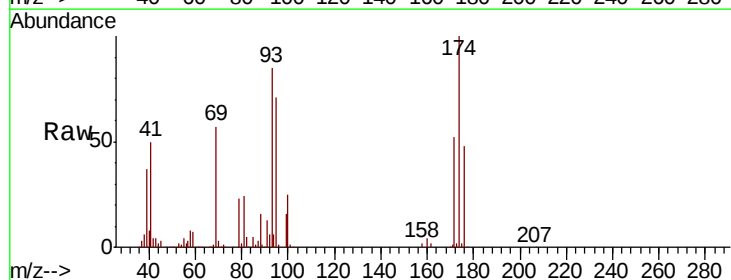
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

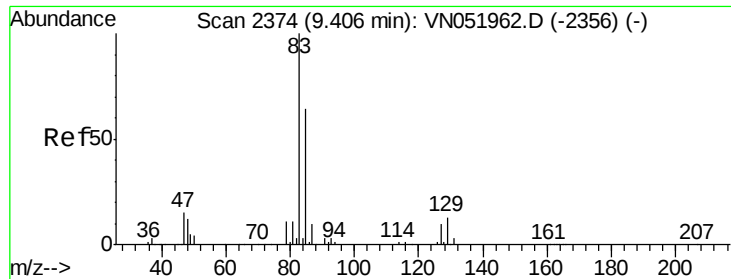
Tot Ion: 63 Resp: 436661
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.8 38.6



#46
 Dibromomethane
 Concen: 48.224 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion: 93 Resp: 336109
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 120.8 93.8 140.6





#47

Bromodichloromethane

Concen: 51.381 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

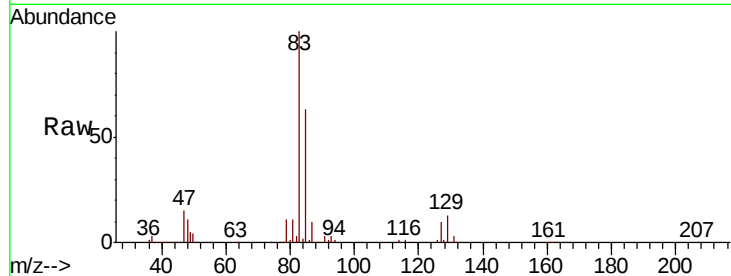
Tot Ion: 83 Resp: 676327

Ion Ratio Lower Upper

83 100

85 63.5 51.0 76.4

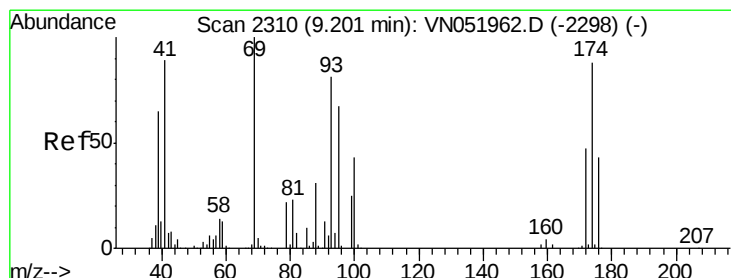
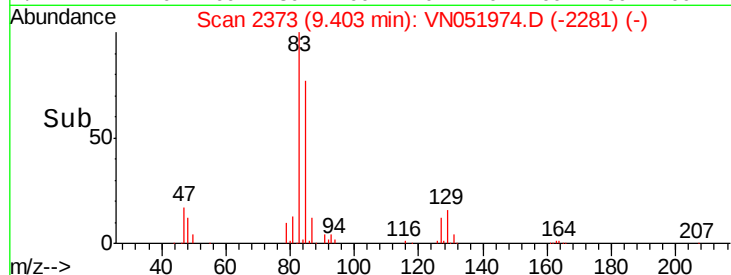
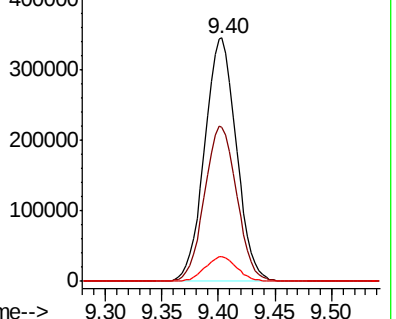
127 10.2 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051962.D (-2356) (-)



#48

Methyl methacrylate

Concen: 47.245 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

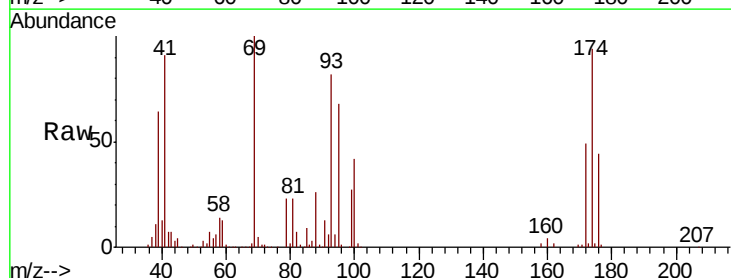
Tgt Ion: 41 Resp: 246186

Ion Ratio Lower Upper

41 100

69 114.7 92.2 138.4

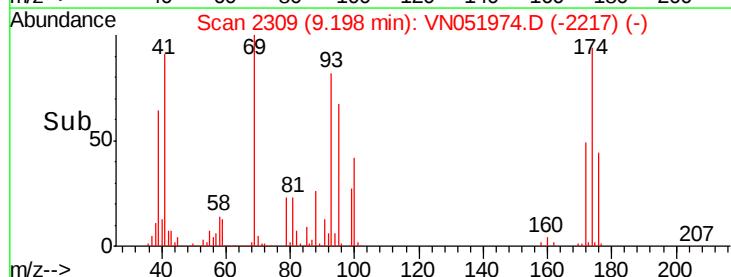
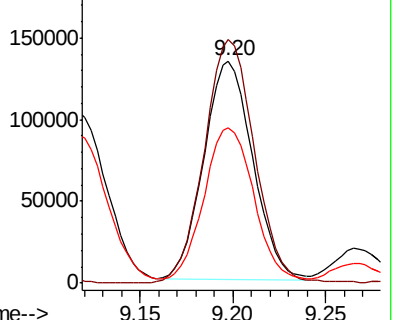
39 70.1 60.2 90.4

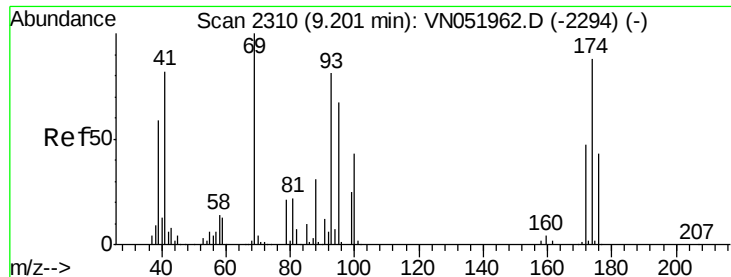


Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051962.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-2298) (-)





#49

1,4-Dioxane

Concen: 838.594 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

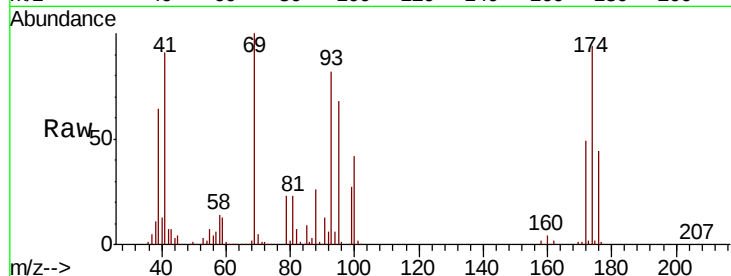
Tot Ion: 88 Resp: 80127

Ion Ratio Lower Upper

88 100

43 25.0 18.8 28.2

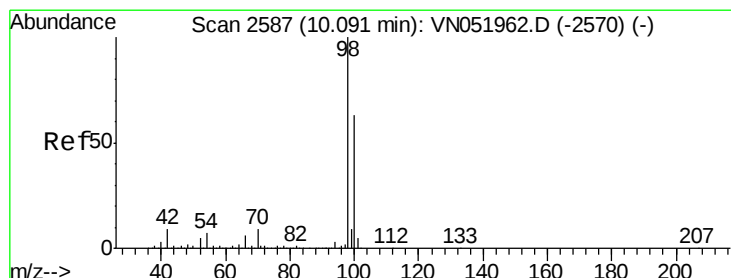
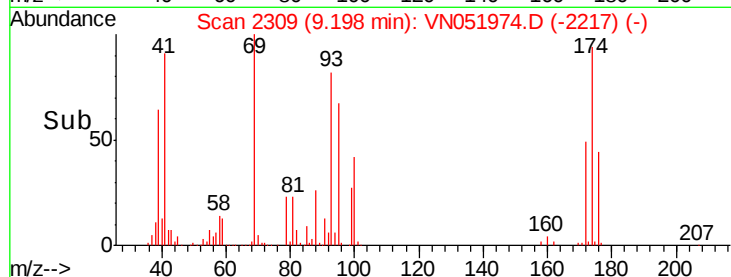
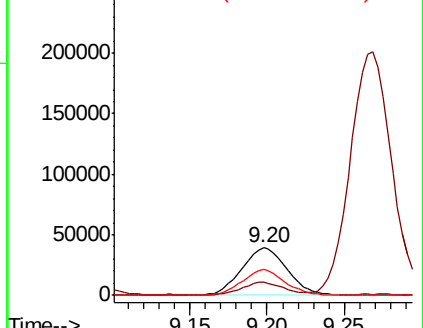
58 51.4 39.8 59.6



Abundance Ion 88.00 (87.70 to 88.70): VN051962.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN051962.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2294) (-)



#50

Toluene-d8

Concen: 838.594 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051974.D

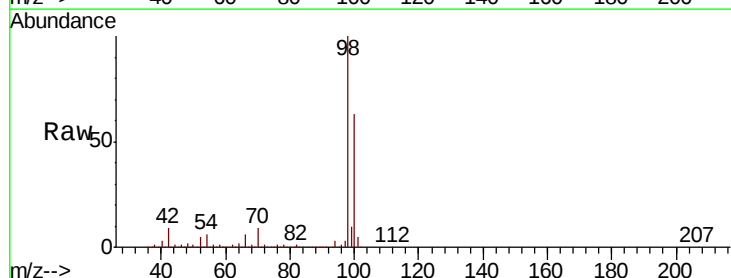
Acq: 24 Oct 2018 8:39

Tgt Ion: 98 Resp: 1783176

Ion Ratio Lower Upper

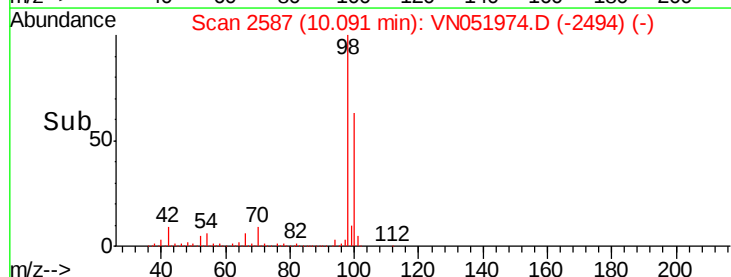
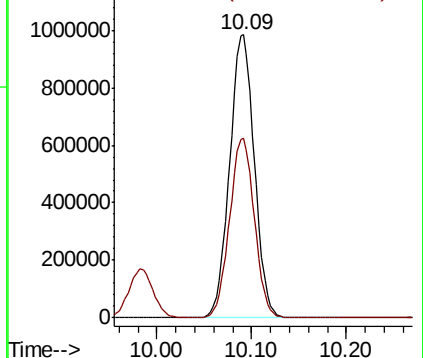
98 100

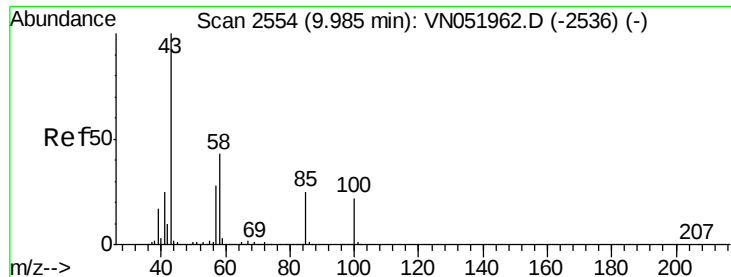
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 229.948 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

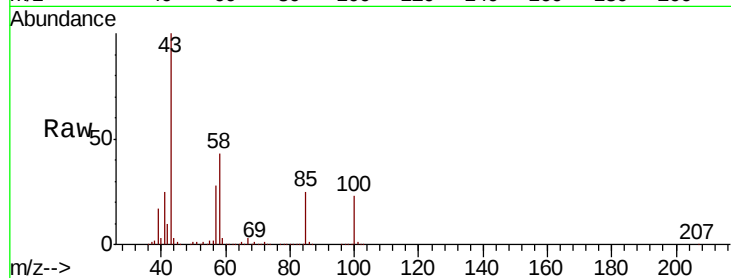
VSTDCCC050

Tot Ion: 43 Resp: 1363615

Ion Ratio Lower Upper

43 100

58 43.2 34.8 52.2



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2536) (-)

9.98

800000

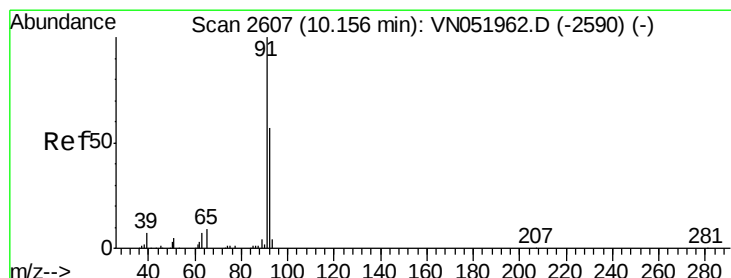
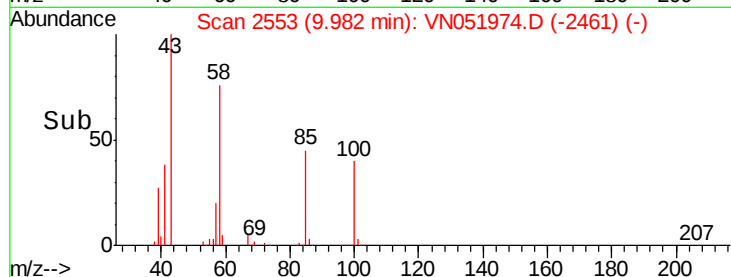
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.407 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN051974.D

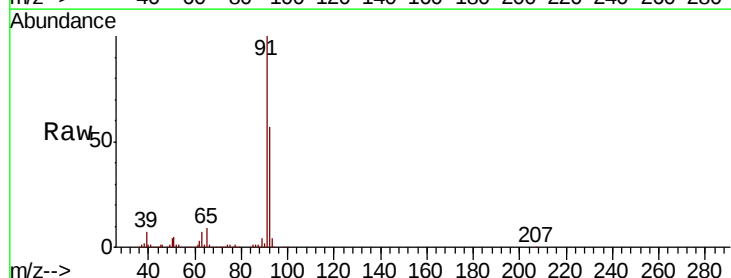
Acq: 24 Oct 2018 8:39

Tgt Ion: 92 Resp: 1332389

Ion Ratio Lower Upper

92 100

91 174.5 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN051962.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051962.D (-2590) (-)

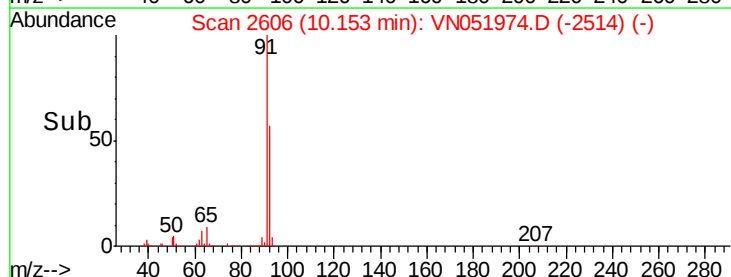
1500000

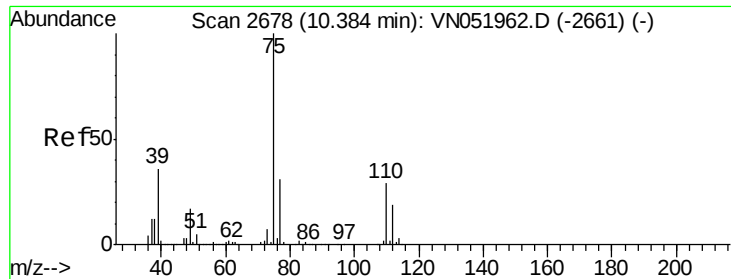
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.175 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

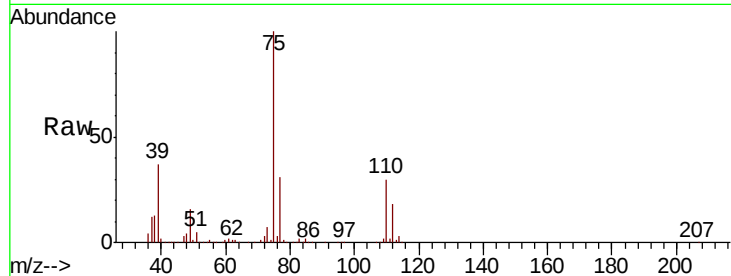
VSTDCCC050

Tot Ion: 75 Resp: 660765

Ion Ratio Lower Upper

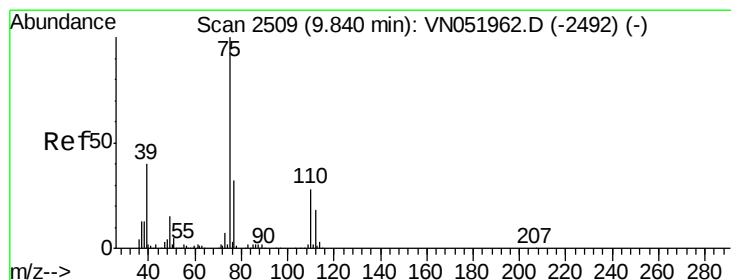
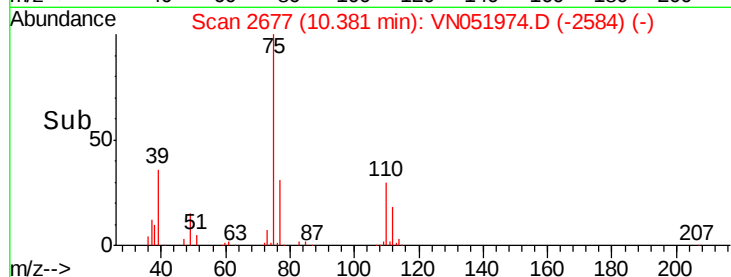
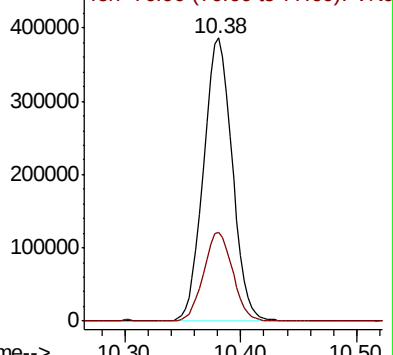
75 100

77 31.3 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.821 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

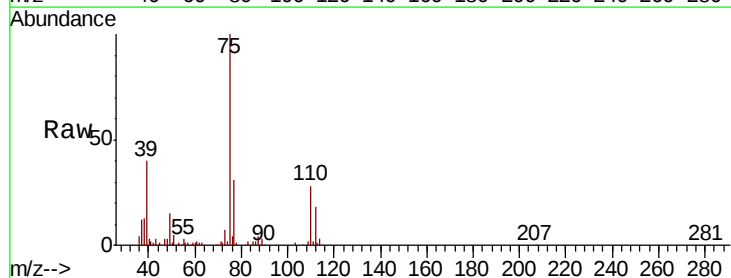
Tgt Ion: 75 Resp: 740473

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

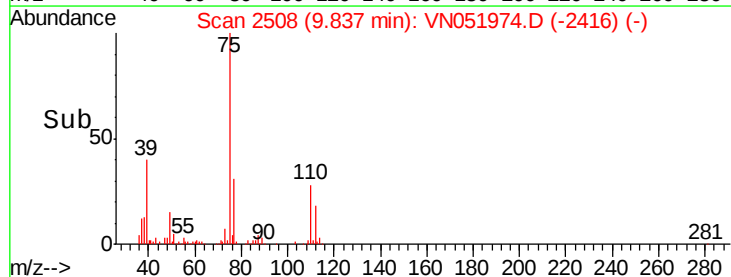
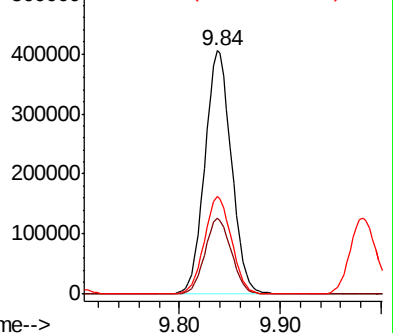
39 40.2 32.0 48.0

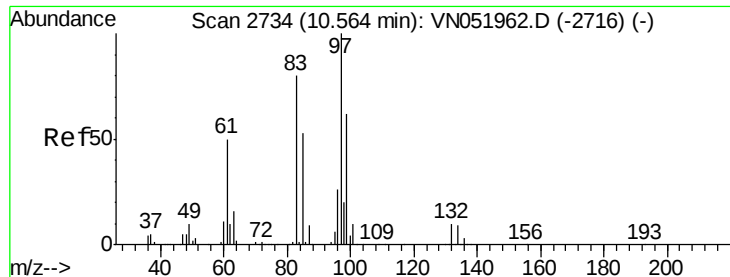


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

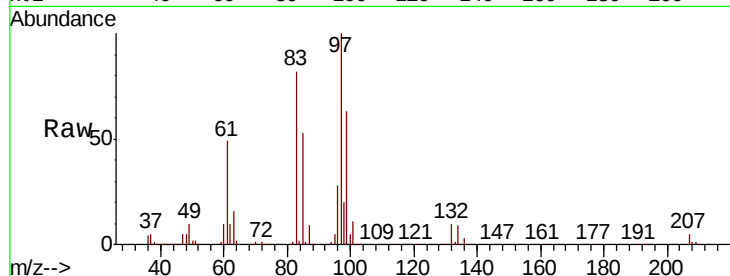




#55
 1,1,2-Trichloroethane
 Concen: 48.669 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	466067
Ion	Ratio	Lower	Upper
97	100		
83	82.0	64.0	96.0
85	52.8	42.4	63.6
99	63.4	49.4	74.2



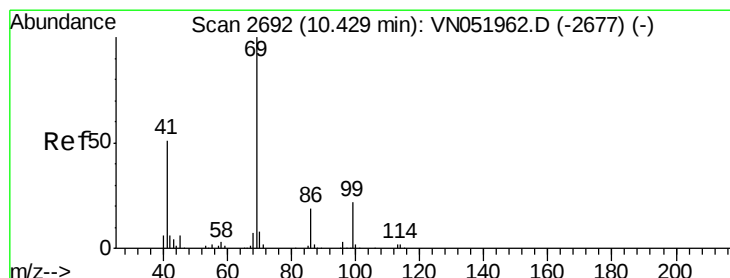
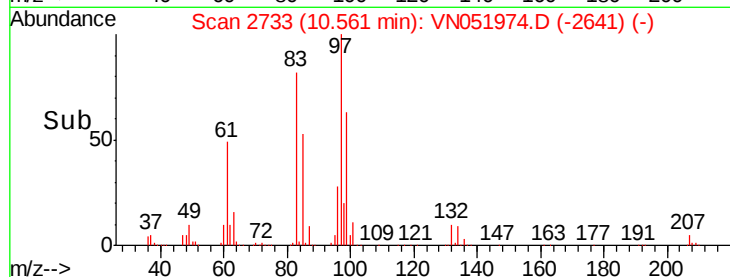
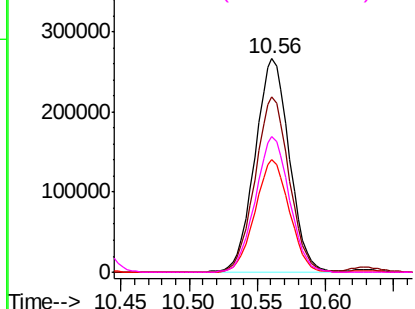
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

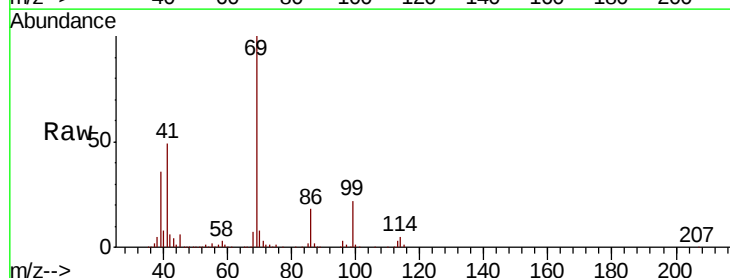
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 49.505 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion:	69	Resp:	509597
Ion	Ratio	Lower	Upper
69	100		
41	50.0	40.7	61.1
39	36.4	29.3	43.9

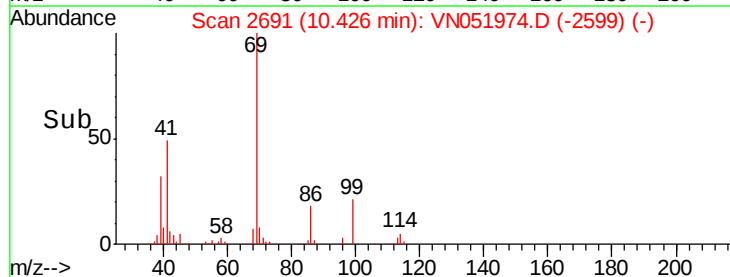
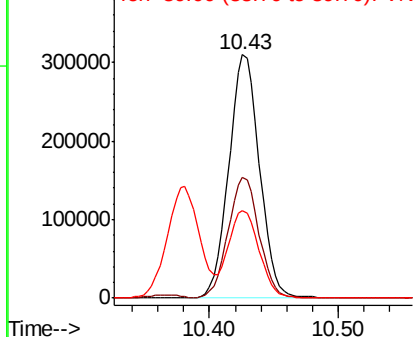


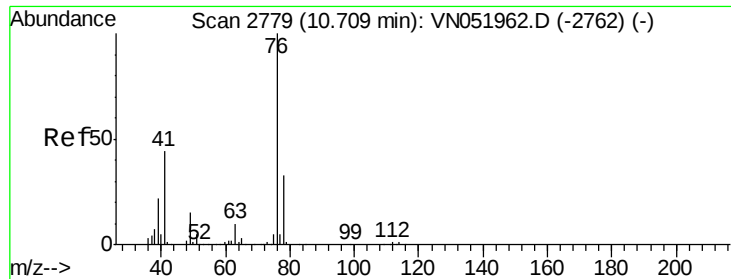
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

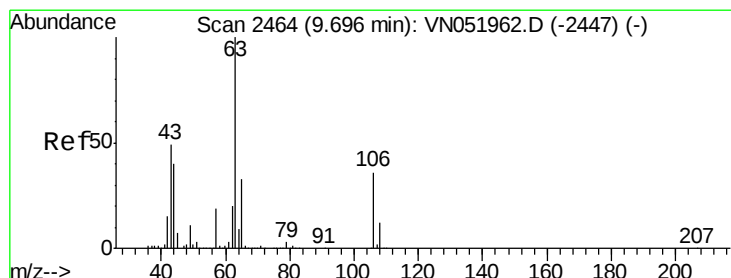
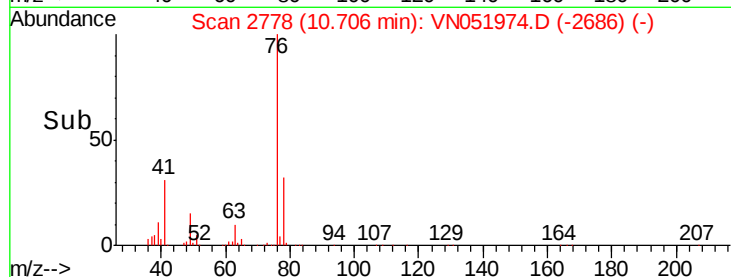
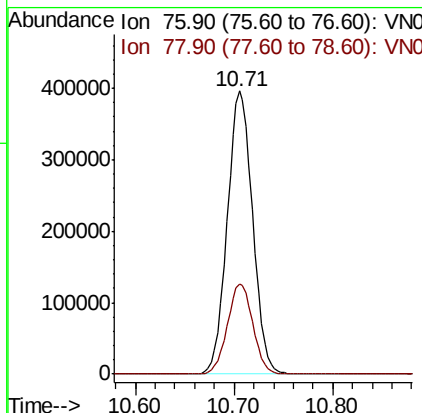
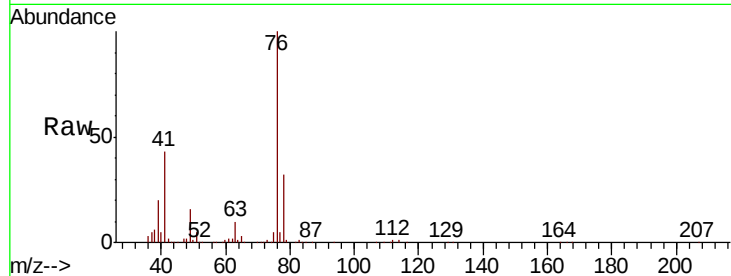




#57
 1,3-Dichloropropane
 Concen: 49.003 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

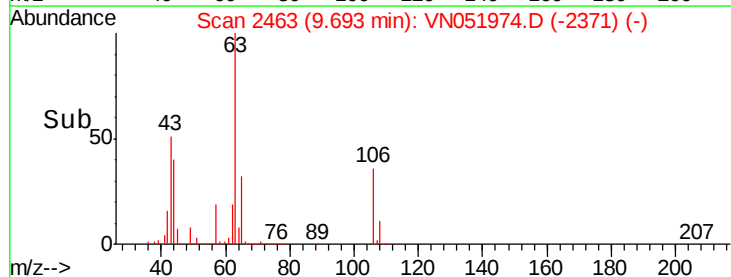
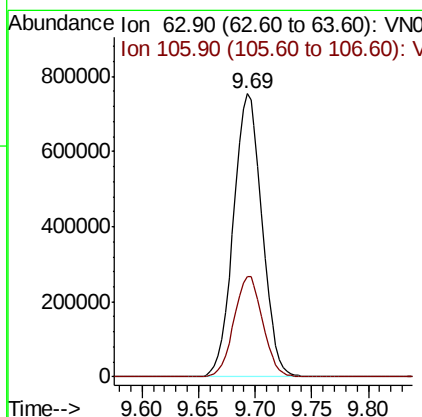
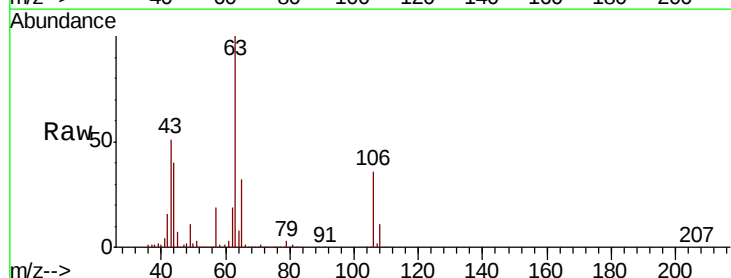
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

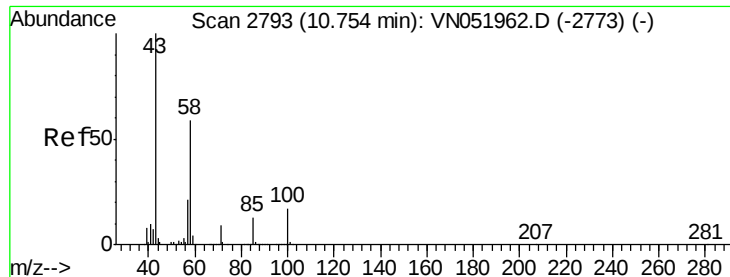
Tot Ion: 76 Resp: 712397
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.032 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion: 63 Resp: 1330554
 Ion Ratio Lower Upper
 63 100
 106 35.6 28.3 42.5

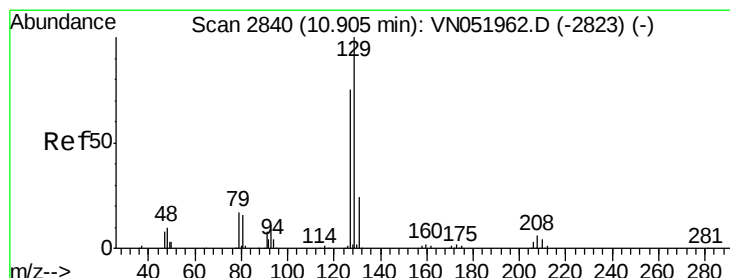
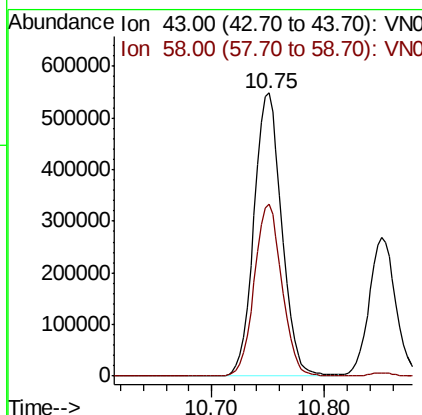
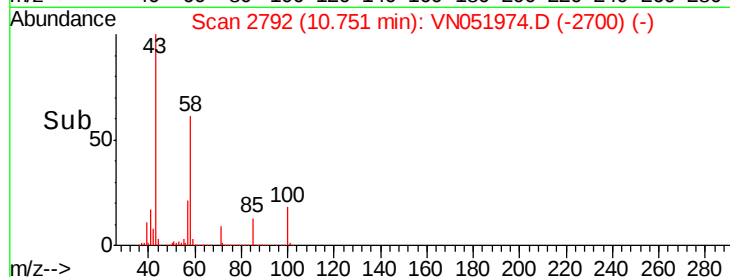
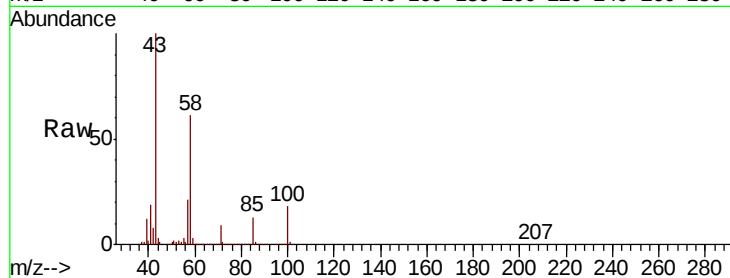




#59
2-Hexanone
Concen: 234.989 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

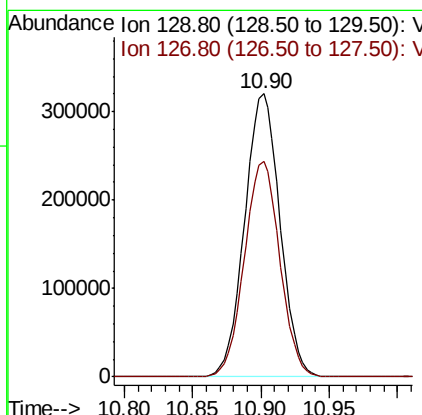
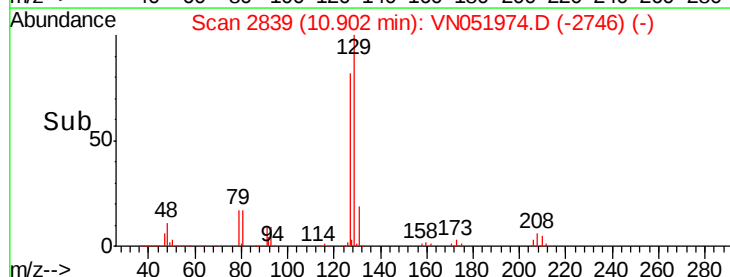
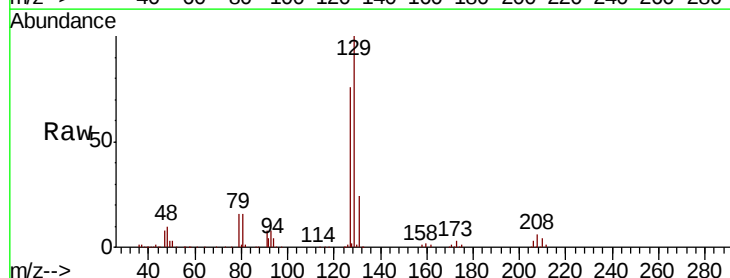
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

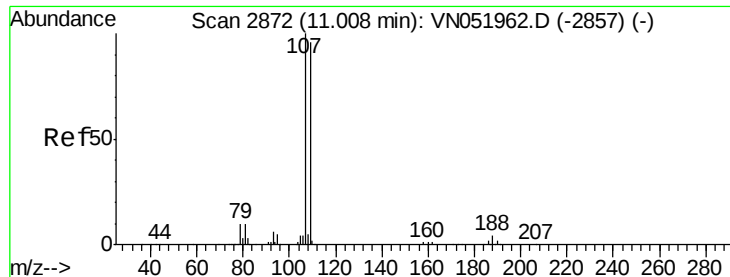
Tot Ion: 43 Resp: 936292
Ion Ratio Lower Upper
43 100
58 60.4 29.9 89.8



#60
Dibromochloromethane
Concen: 47.333 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 129 Resp: 576891
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.0

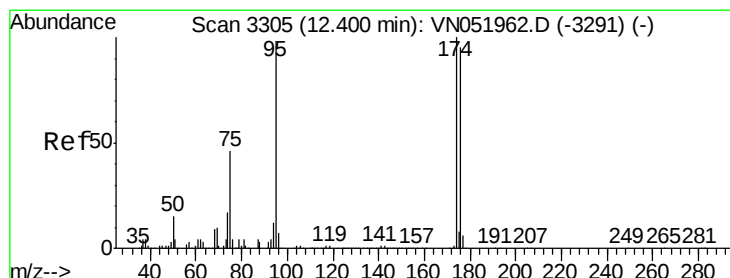
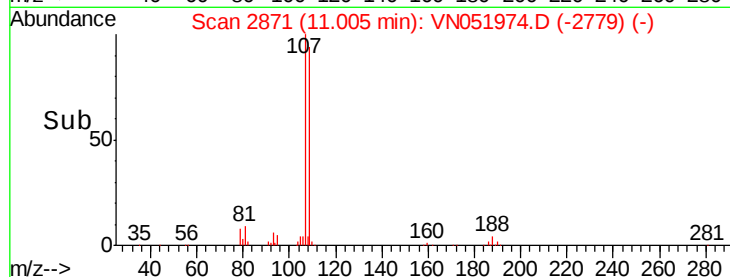
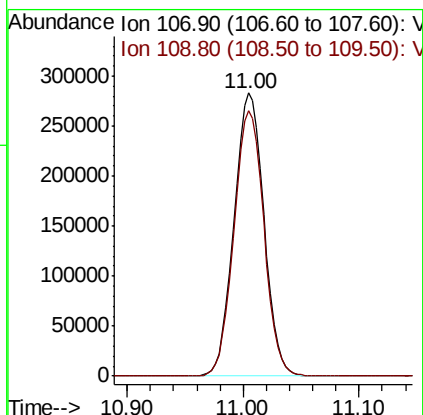
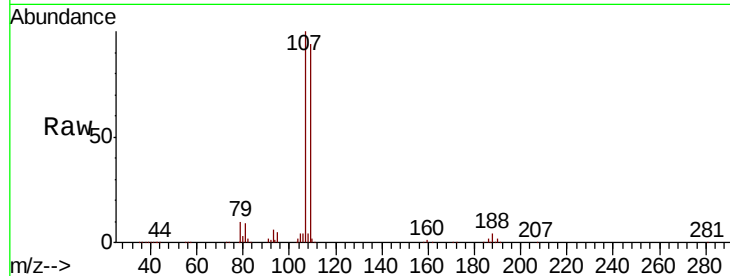




#61
 1,2-Dibromoethane
 Concen: 49.830 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

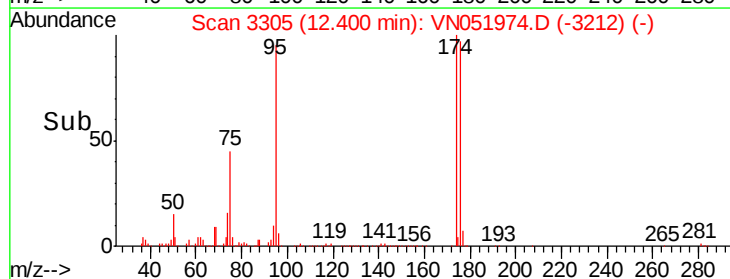
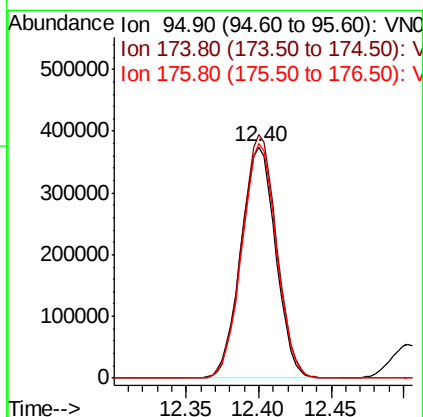
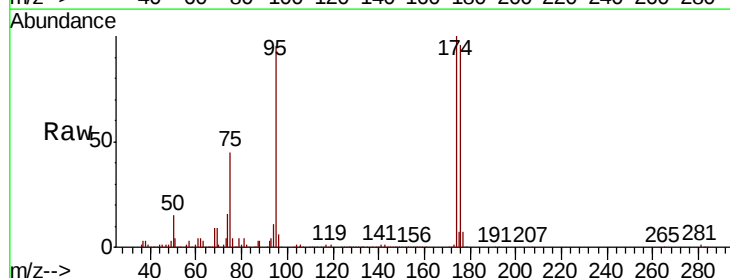
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

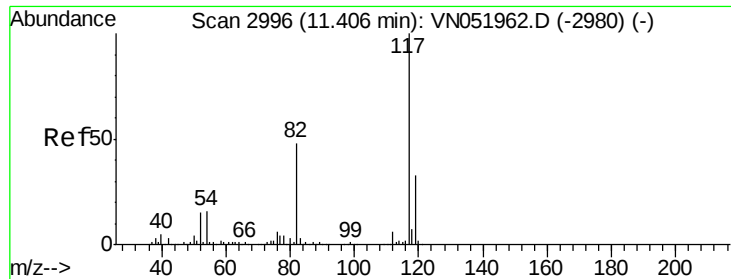
Tot Ion:107 Resp: 503138
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 49.830 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion: 95 Resp: 627404
 Ion Ratio Lower Upper
 95 100
 174 105.2 0.0 206.0
 176 100.7 0.0 198.0

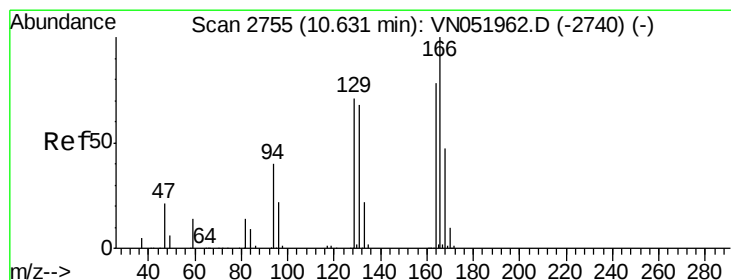
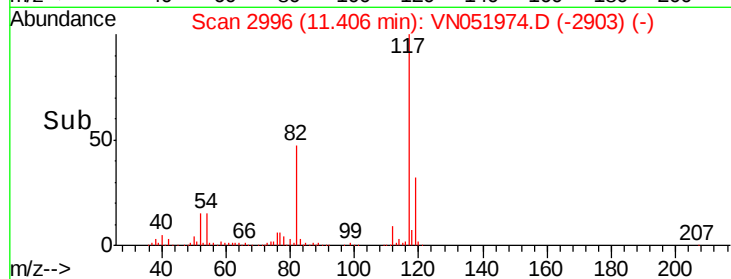
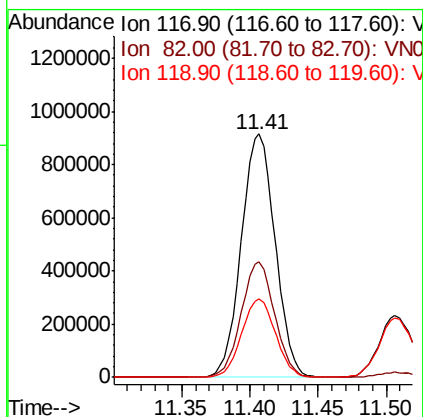
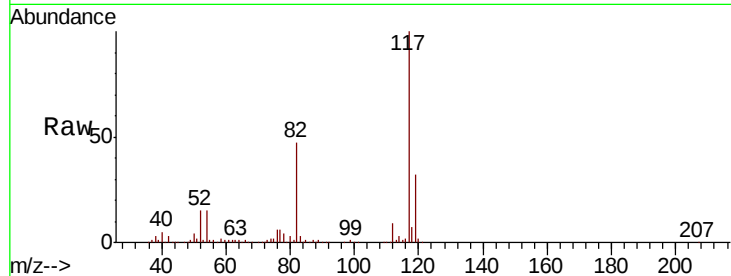




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

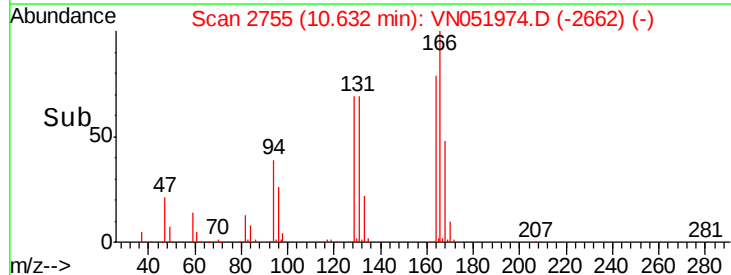
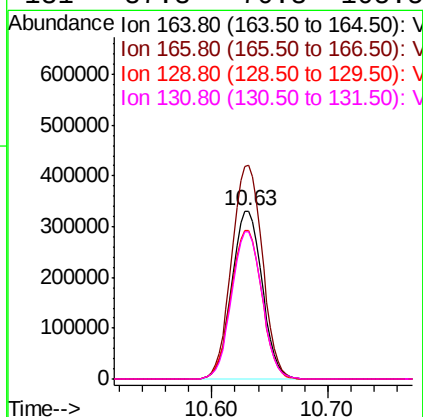
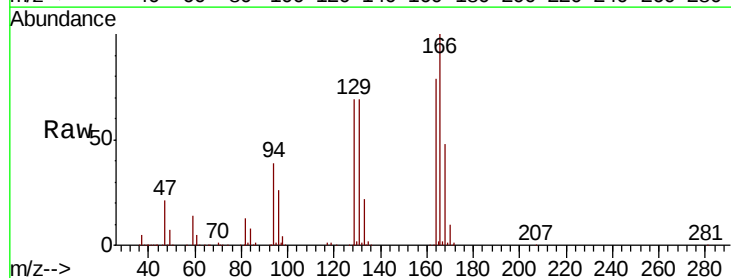
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

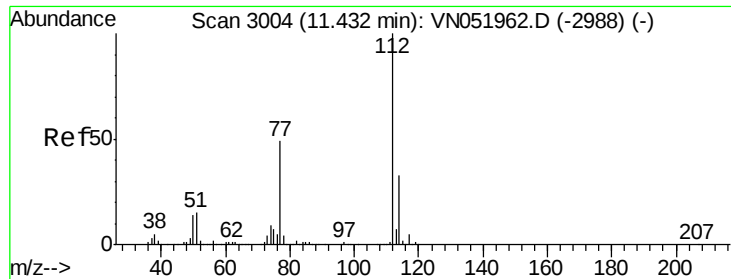
Tot Ion:117 Resp: 1576272
Ion Ratio Lower Upper
117 100
82 47.3 38.1 57.1
119 32.1 26.4 39.6



#64
Tetrachloroethene
Concen: 49.720 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion:164 Resp: 601536
Ion Ratio Lower Upper
164 100
166 127.1 103.1 154.7
129 88.0 73.6 110.4
131 87.3 70.3 105.5

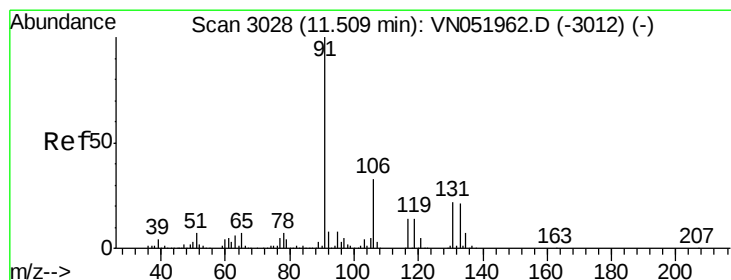
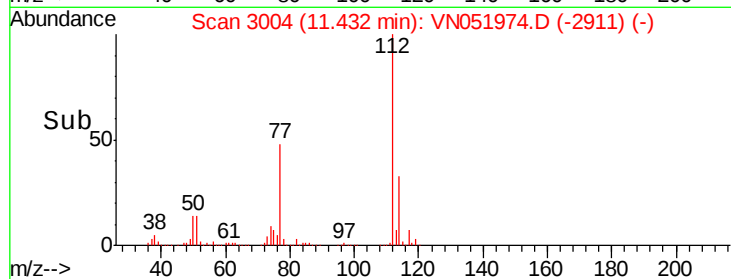
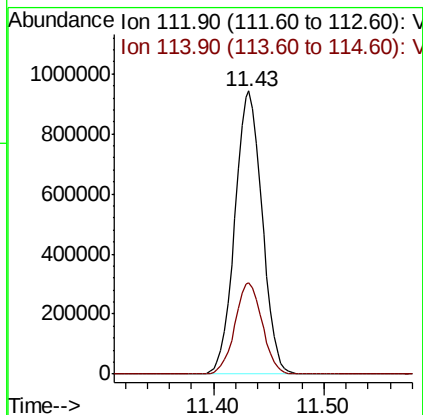
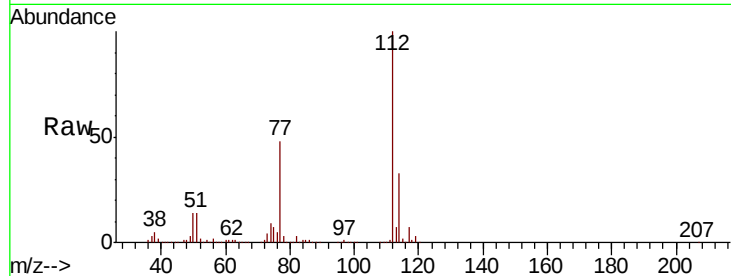




#65
Chlorobenzene
Concen: 50.605 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

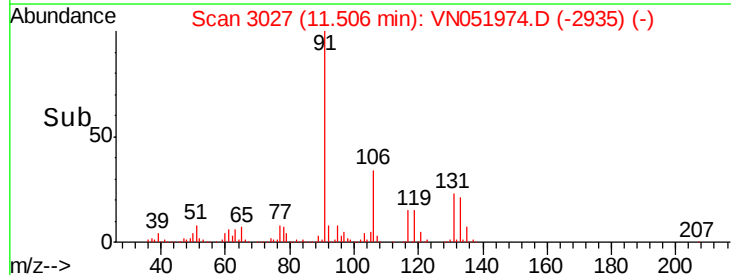
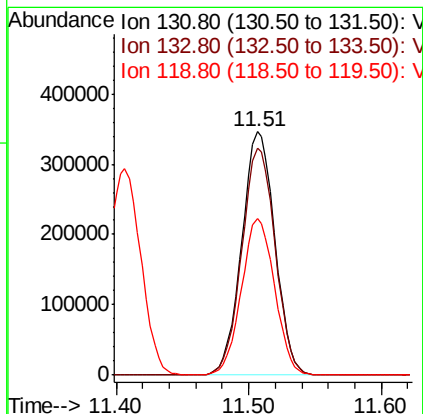
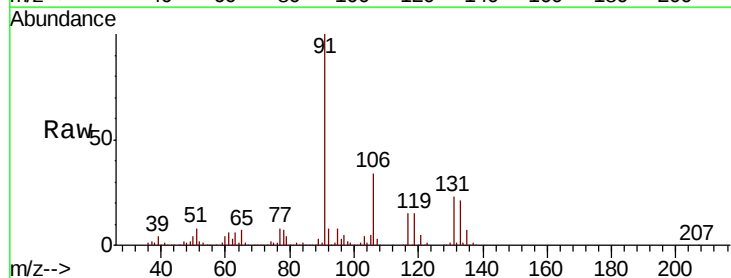
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

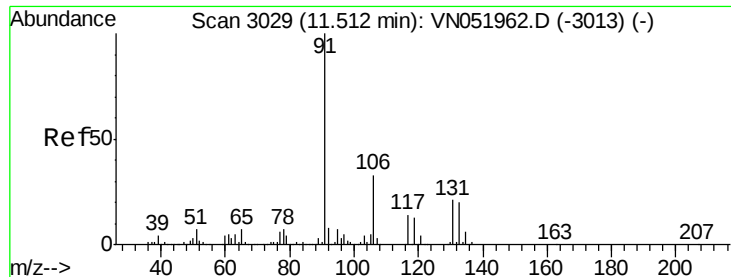
Tot Ion:112 Resp: 1610537
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 52.484 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion:131 Resp: 600372
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.3
119 64.6 32.0 96.2

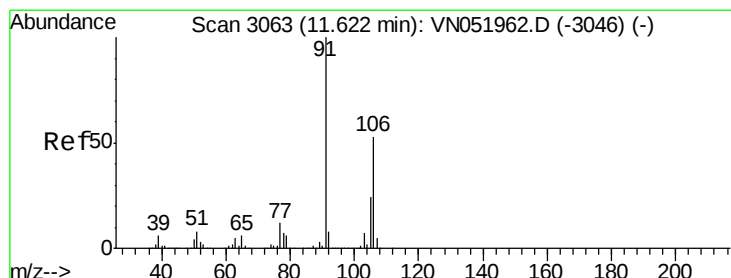
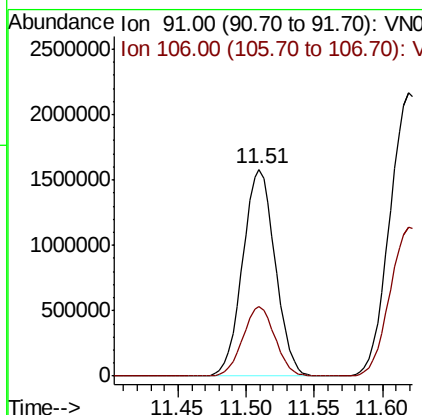
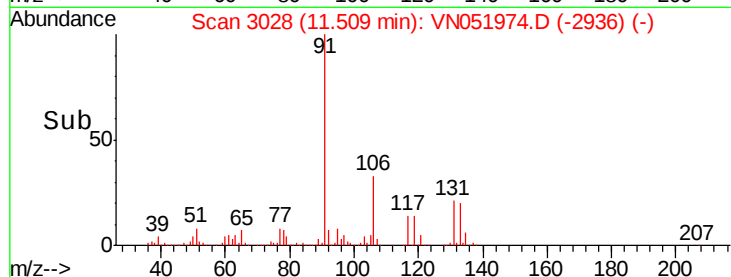
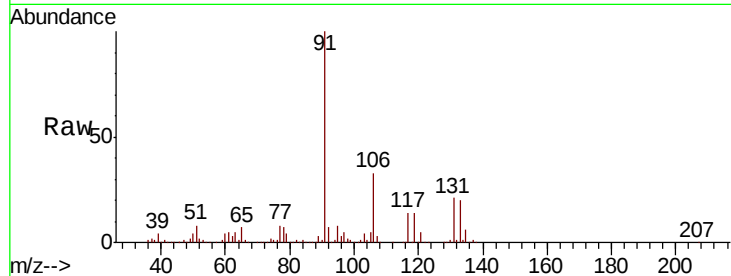




#67
Ethyl Benzene
Concen: 51.103 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

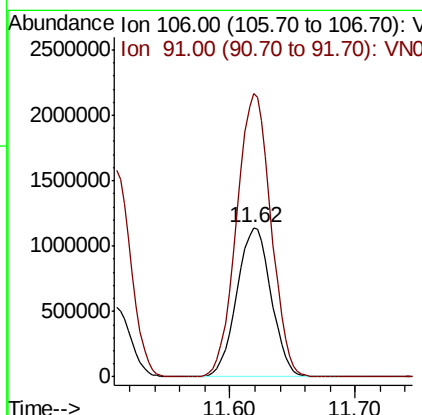
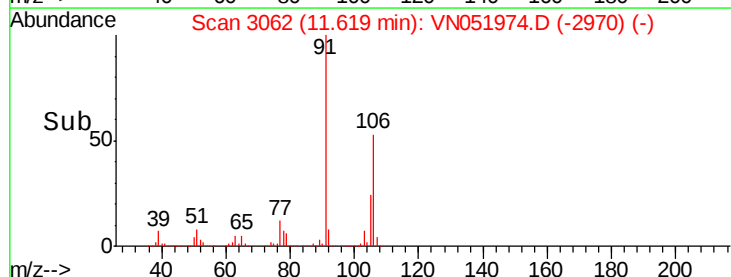
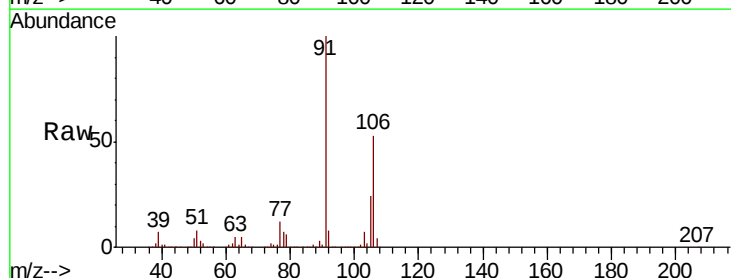
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

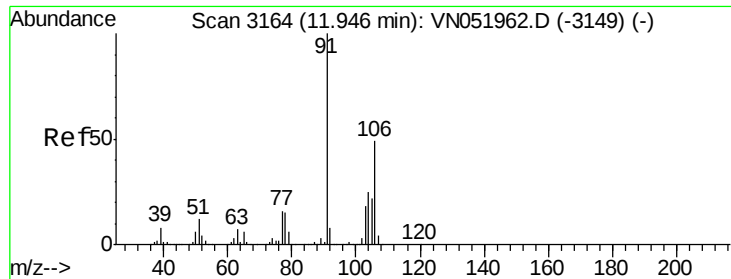
Tot Ion: 91 Resp: 2614294
Ion Ratio Lower Upper
91 100
106 33.5 26.4 39.6



#68
m/p-Xylenes
Concen: 105.892 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 106 Resp: 2164359
Ion Ratio Lower Upper
106 100
91 190.4 152.2 228.2

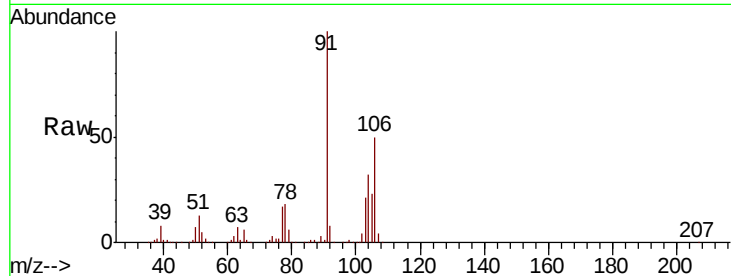




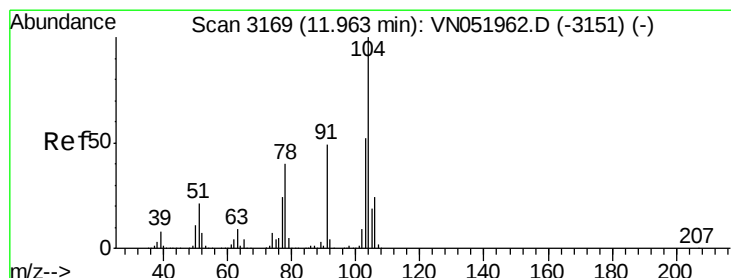
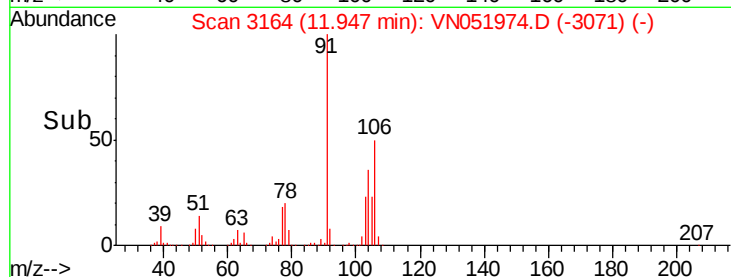
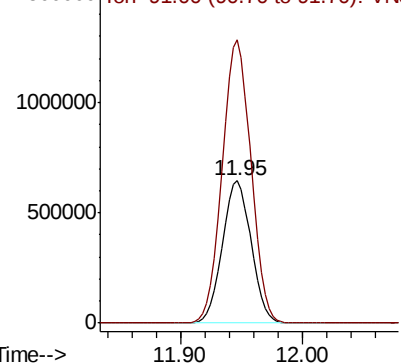
#69
o-Xylene
Concen: 52.927 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1052092
Ion Ratio Lower Upper
106 100
91 198.7 101.0 303.0

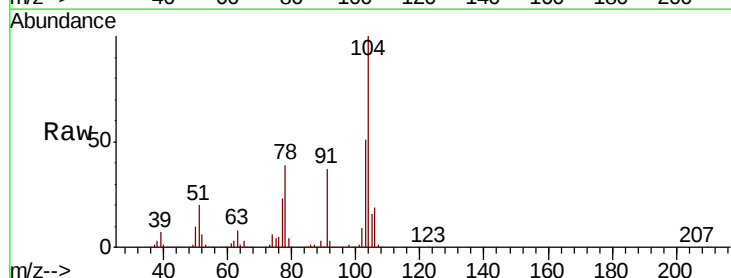


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

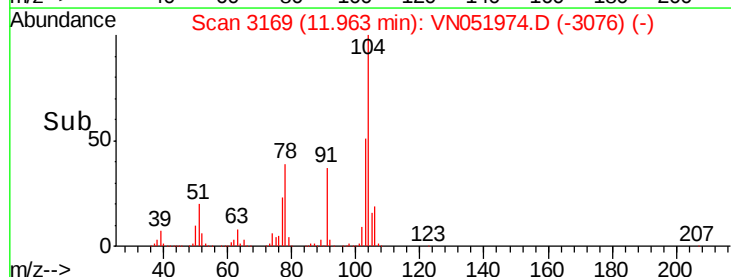
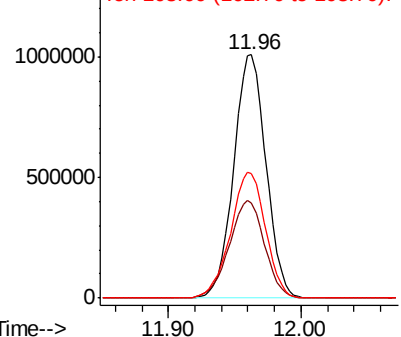


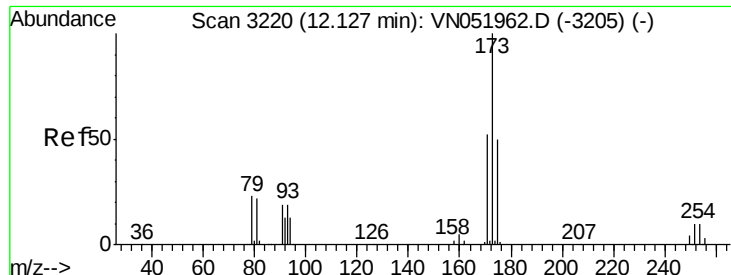
#70
Styrene
Concen: 53.603 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion:104 Resp: 1703042
Ion Ratio Lower Upper
104 100
78 44.0 35.8 53.6
103 56.0 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 45.121 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

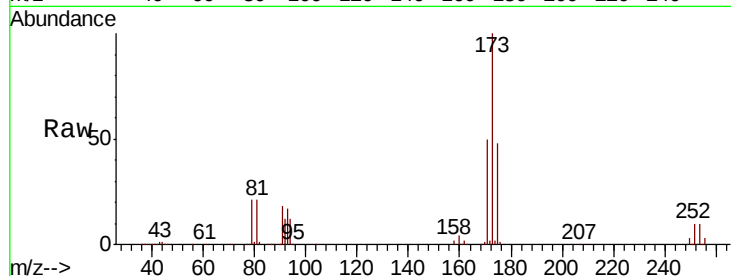
Tot Ion:173 Resp: 379394

Ion Ratio Lower Upper

173 100

175 47.8 24.6 74.0

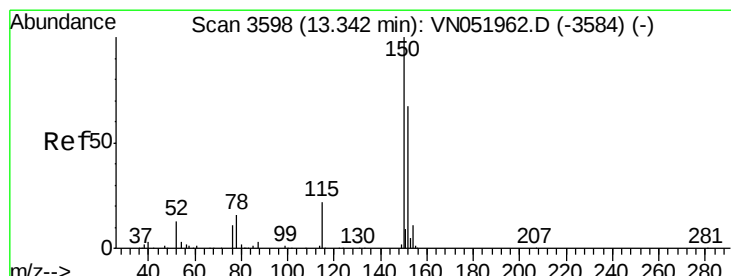
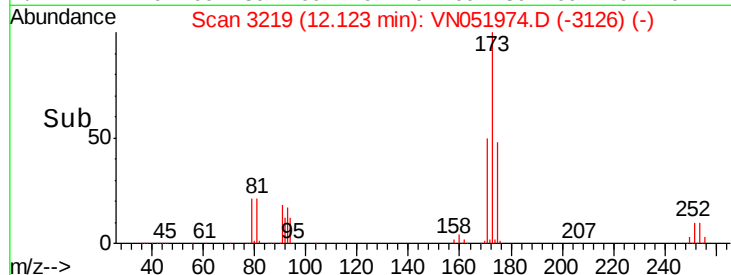
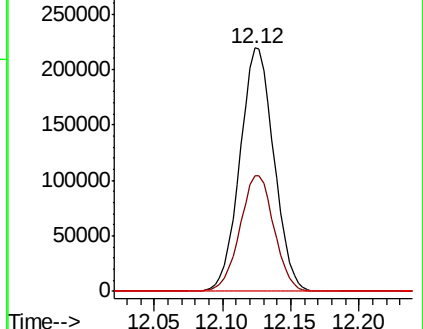
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

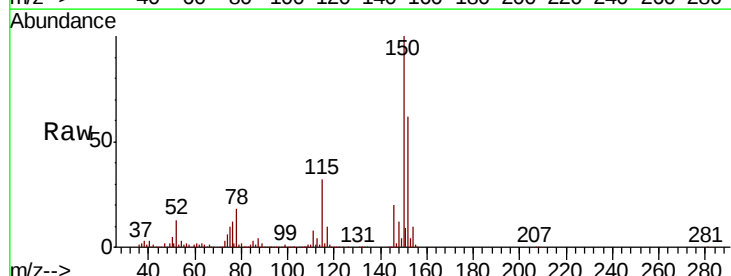
Tgt Ion:152 Resp: 881734

Ion Ratio Lower Upper

152 100

115 51.8 25.8 77.3

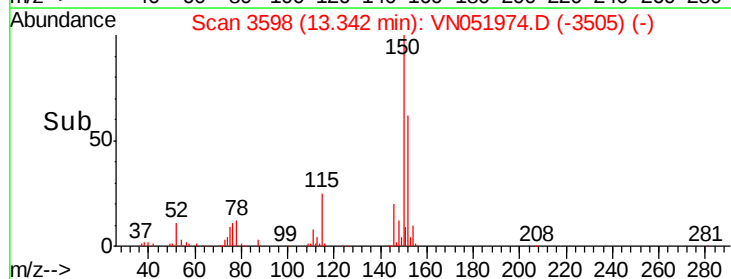
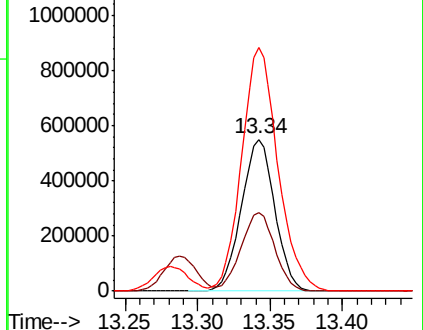
150 174.0 0.0 344.4

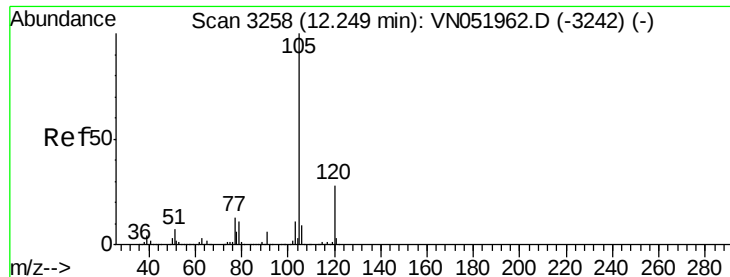


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.566 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

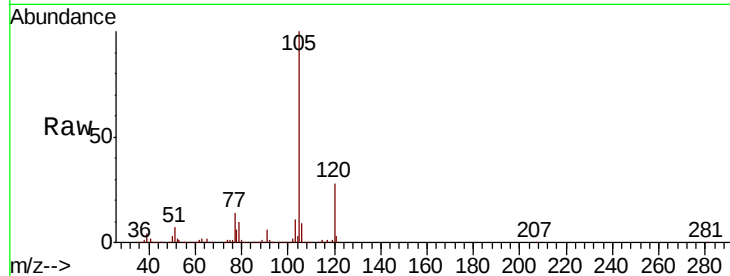
VSTDCCC050

Tot Ion:105 Resp: 2827647

Ion Ratio Lower Upper

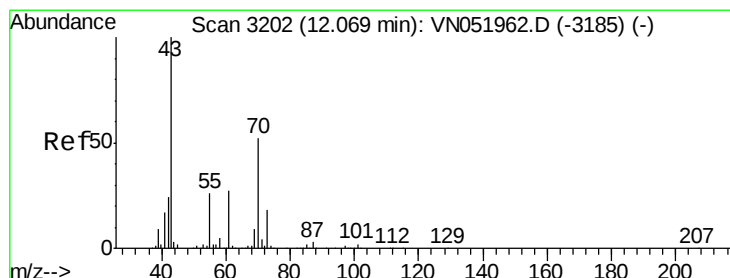
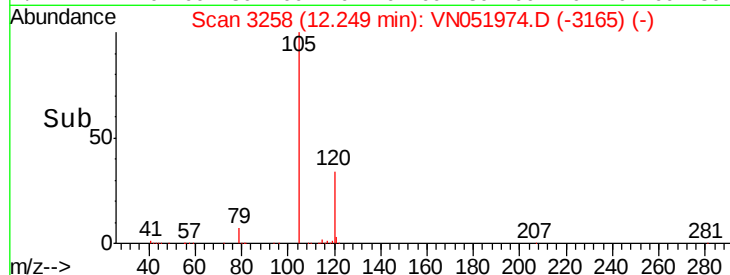
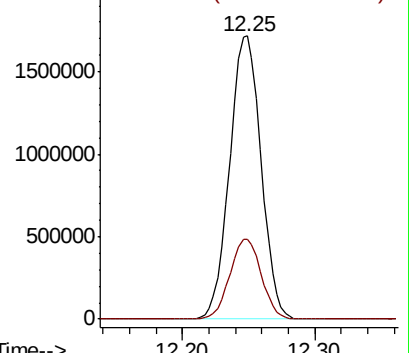
105 100

120 28.3 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.252 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Tgt Ion: 43 Resp: 498071

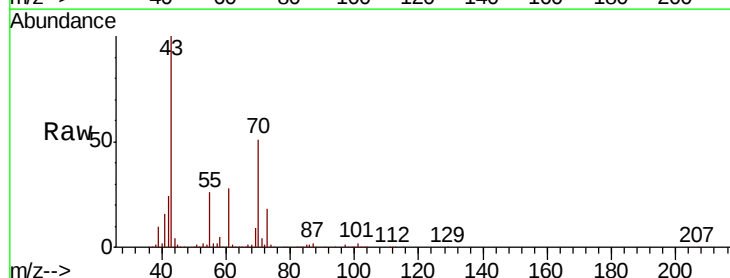
Ion Ratio Lower Upper

43 100

70 51.9 41.3 61.9

55 26.8 21.2 31.8

61 27.5 21.8 32.8

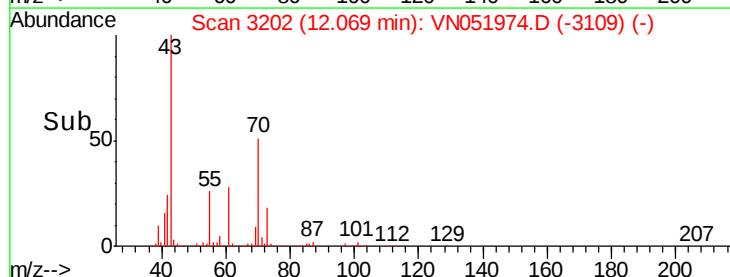
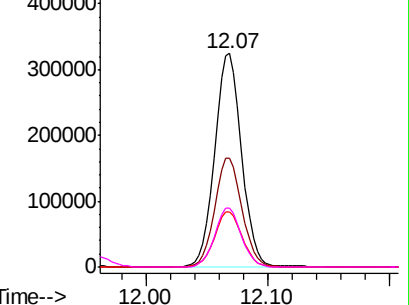


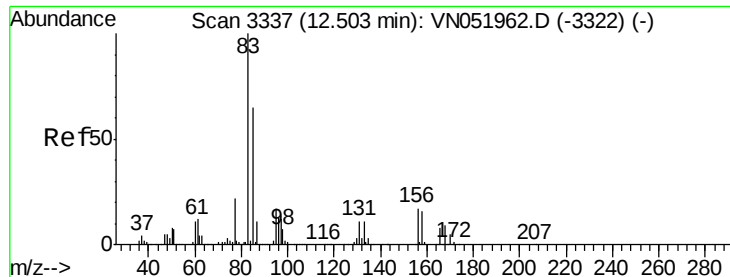
Abundance Ion 43.00 (42.70 to 43.70): V

500000 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: 44.786 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

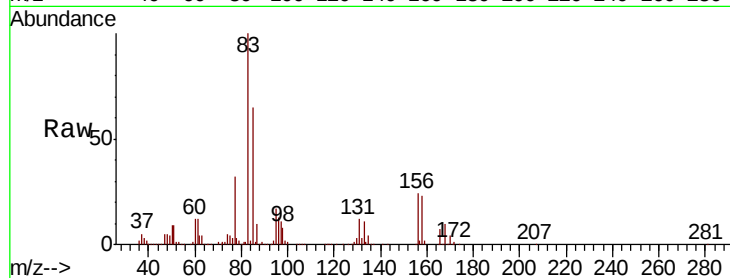
Tot Ion: 83 Resp: 517483

Ion Ratio Lower Upper

83 100

131 12.4 6.2 18.6

85 65.5 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051962.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-3322) (-)

12.50

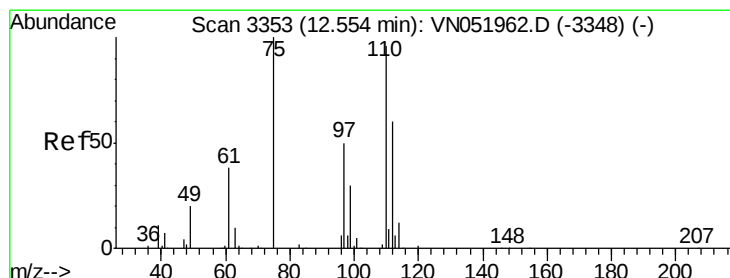
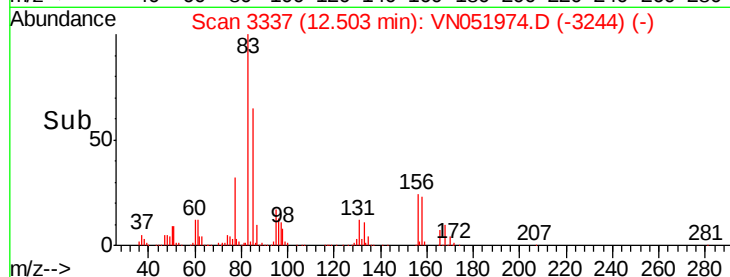
300000

200000

100000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 70.636 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN051974.D

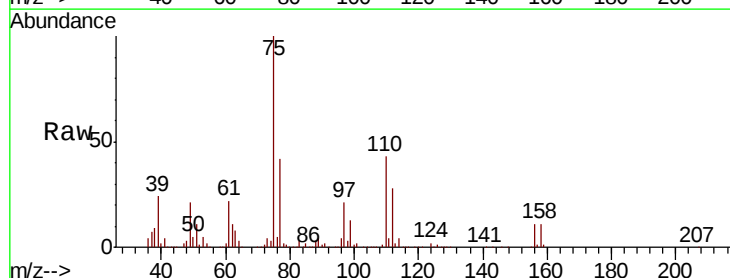
Acq: 24 Oct 2018 8:39

Tgt Ion: 75 Resp: 643345

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3348) (-)

600000

500000

400000

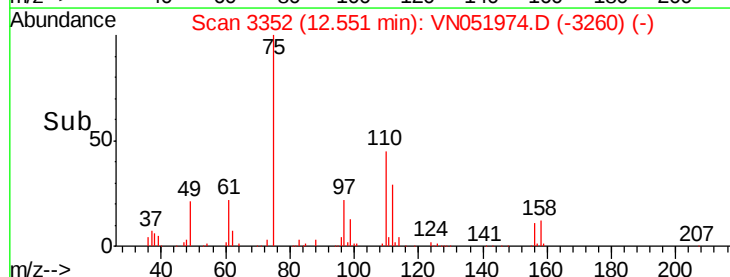
300000

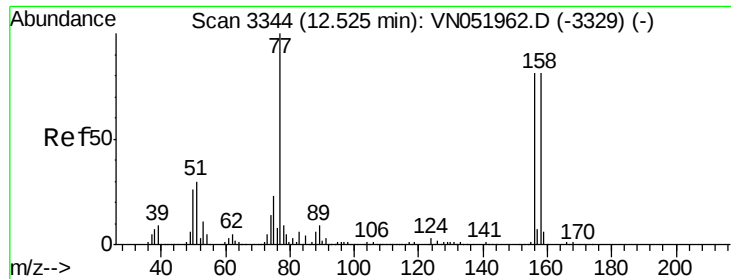
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 51.317 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

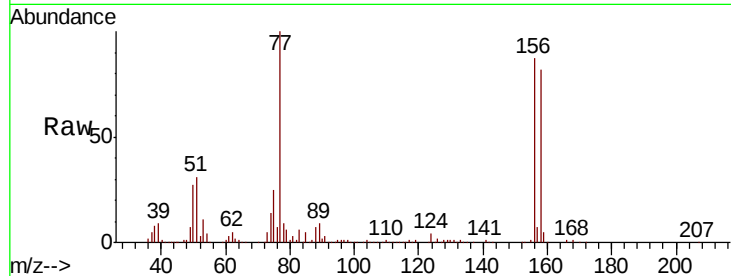
Tot Ion:156 Resp: 791960

Ion Ratio Lower Upper

156 100

77 134.9 71.1 213.3

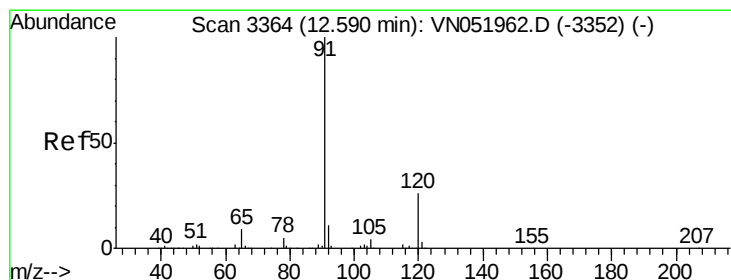
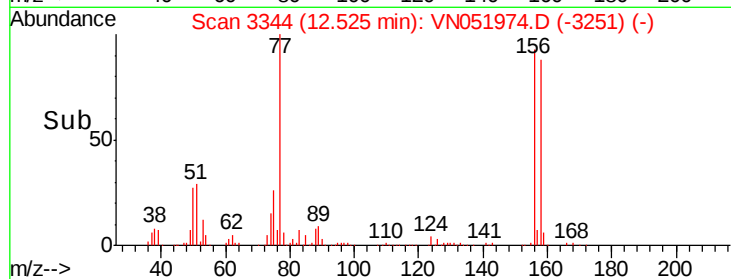
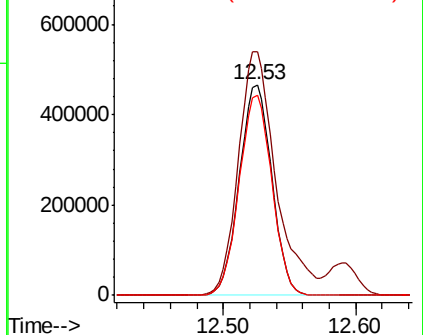
158 96.1 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.538 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051974.D

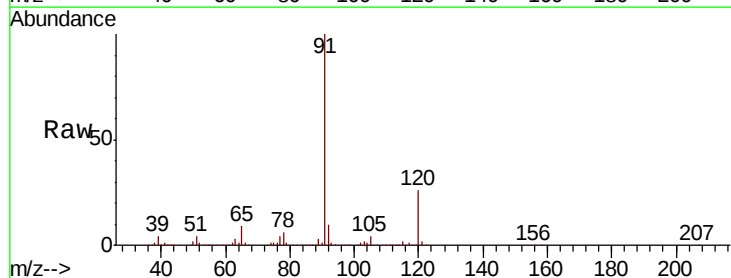
Acq: 24 Oct 2018 8:39

Tgt Ion: 91 Resp: 3108905

Ion Ratio Lower Upper

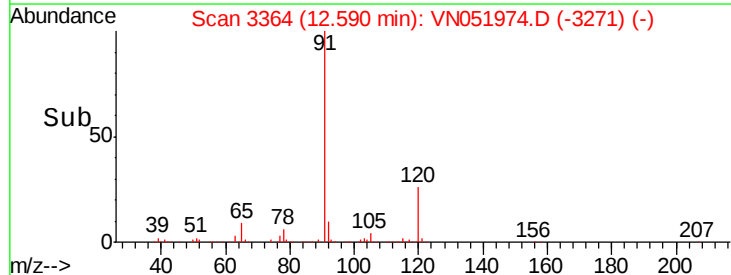
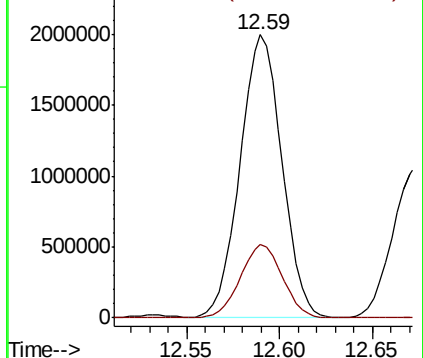
91 100

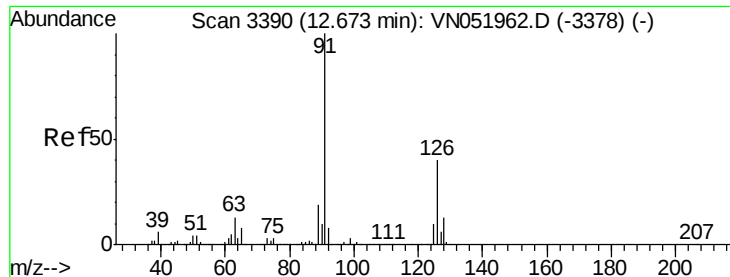
120 26.1 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.647 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

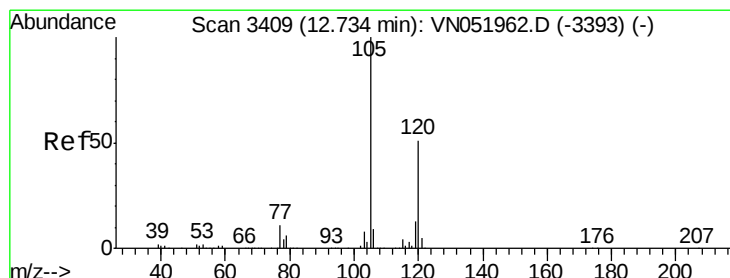
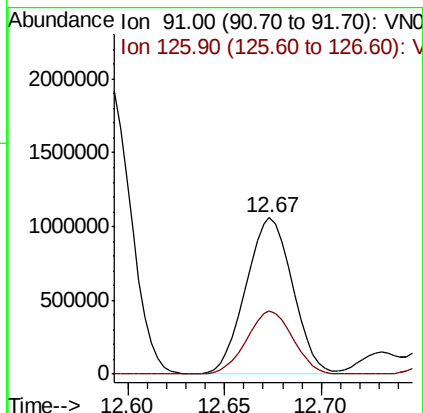
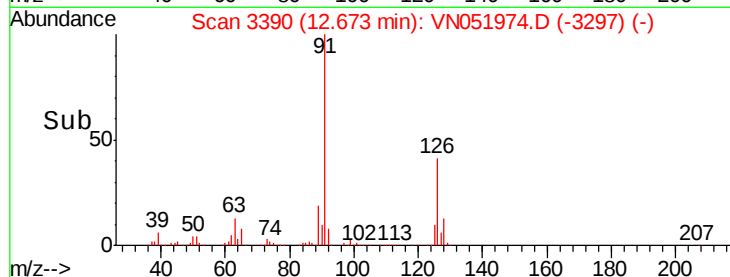
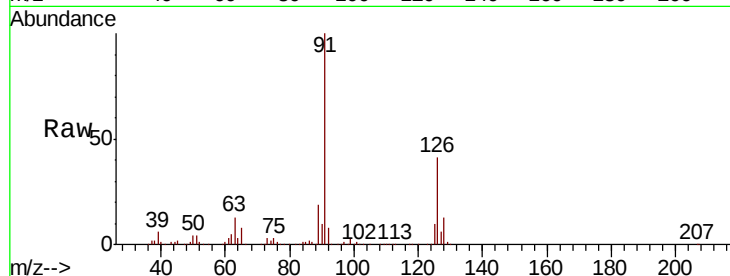
VSTDCCC050

Tot Ion: 91 Resp: 1779162

Ion Ratio Lower Upper

91 100

126 40.2 20.1 60.3



#80

1,3,5-Trimethylbenzene

Concen: 52.468 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051974.D

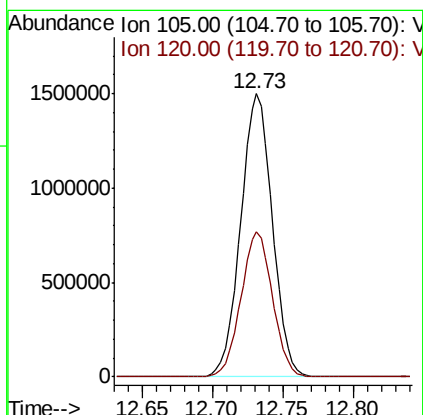
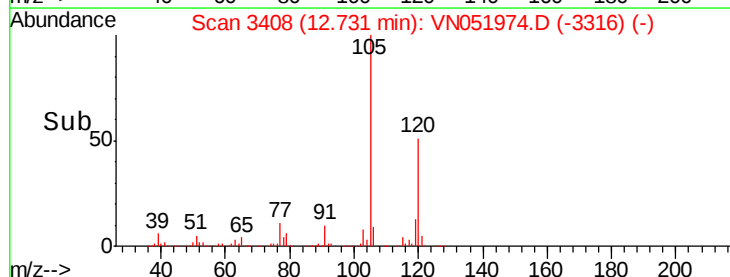
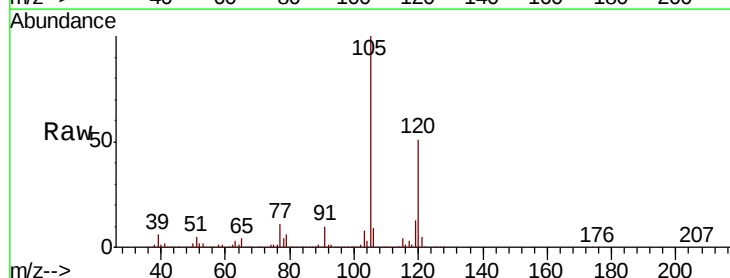
Acq: 24 Oct 2018 8:39

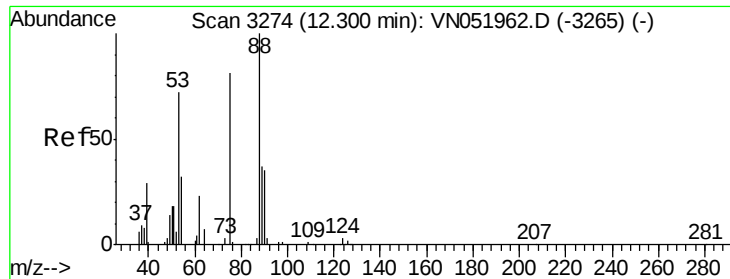
Tgt Ion:105 Resp: 2353945

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.1

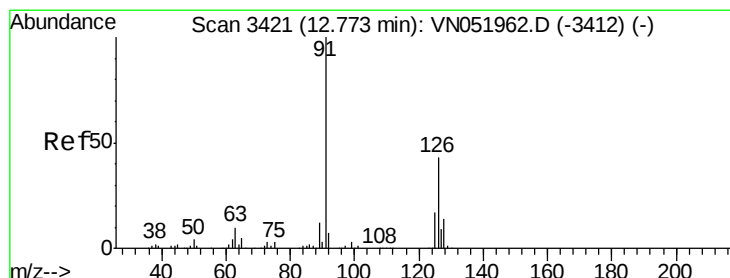
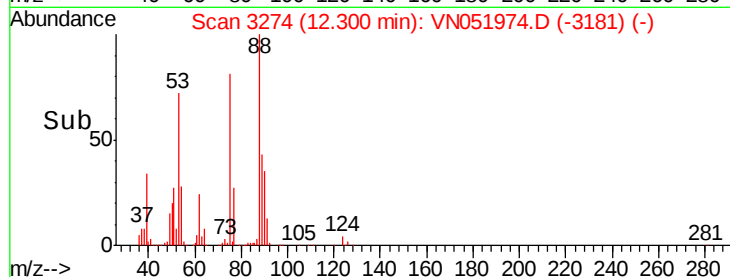
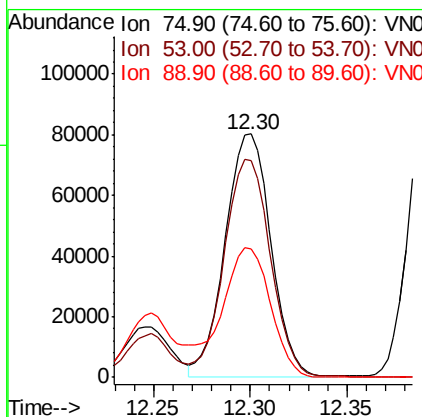
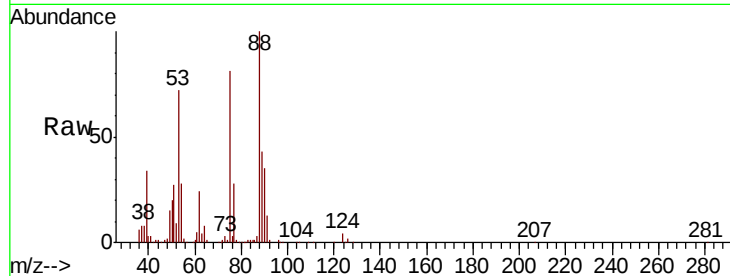




#81
trans-1,4-Dichloro-2-butene
Concen: 47.060 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

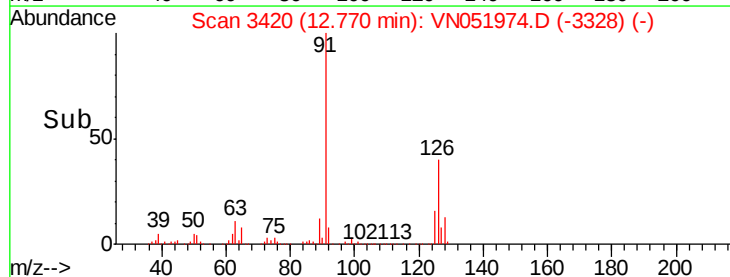
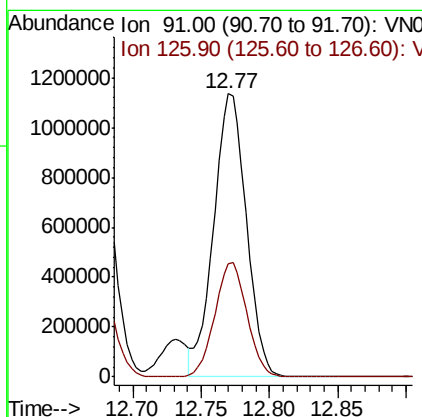
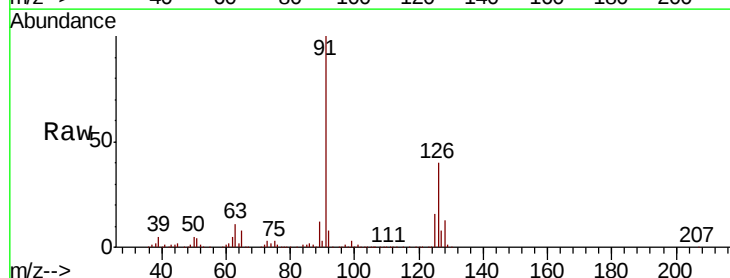
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

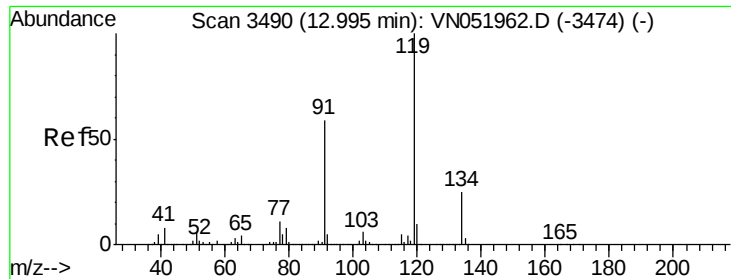
Tot Ion: 75 Resp: 132654
Ion Ratio Lower Upper
75 100
53 90.9 73.5 110.3
89 54.1 41.6 62.4



#82
4-Chlorotoluene
Concen: 51.785 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 91 Resp: 1883466
Ion Ratio Lower Upper
91 100
126 39.7 19.7 59.0

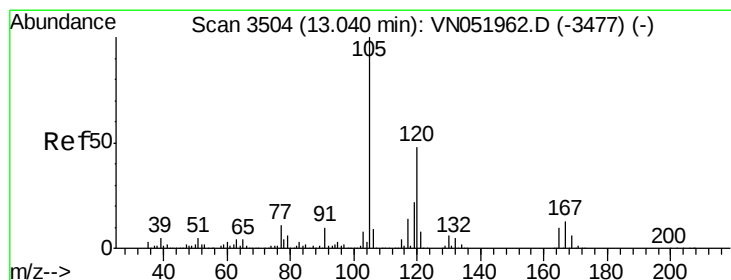
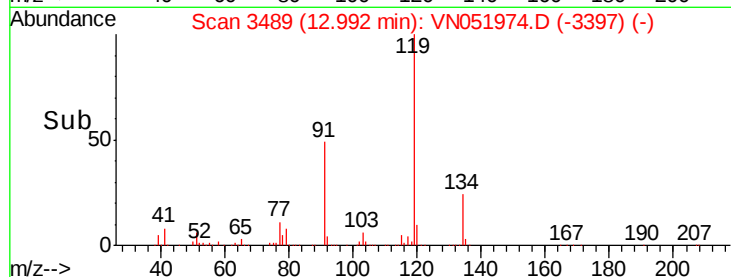
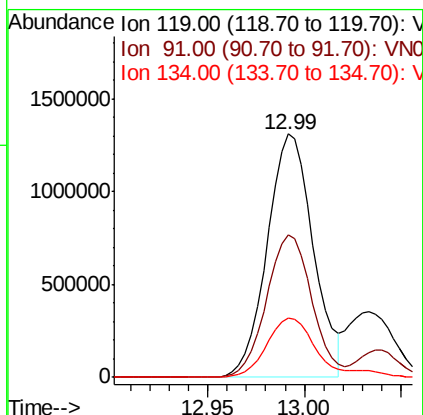
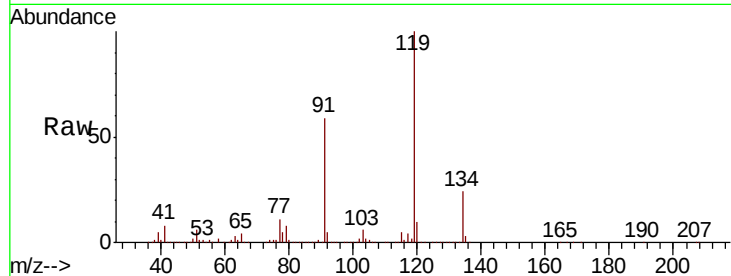




#83
 tert-Butylbenzene
 Concen: 51.184 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

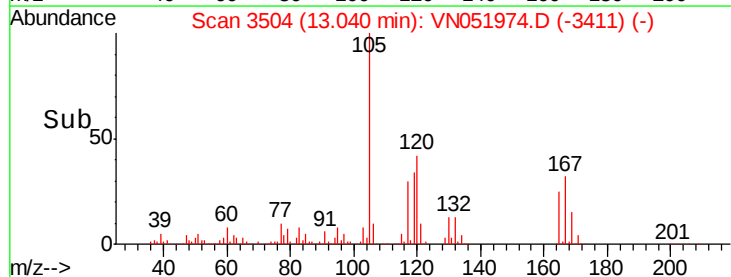
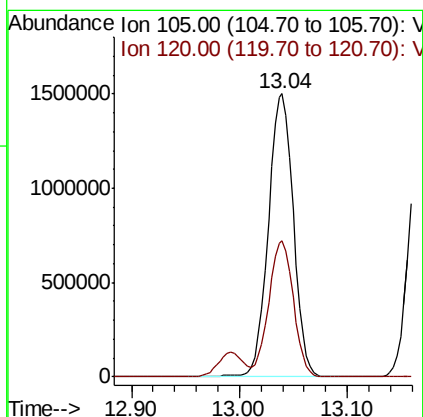
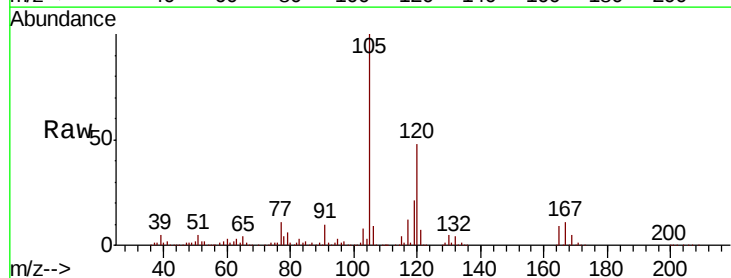
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

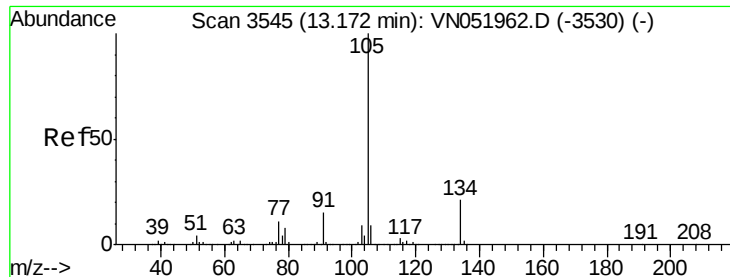
Tot Ion:119 Resp: 2171889
 Ion Ratio Lower Upper
 119 100
 91 57.6 28.8 86.4
 134 27.0 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.967 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion:105 Resp: 2404923
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.5





#85

sec-Butylbenzene

Concen: 51.649 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

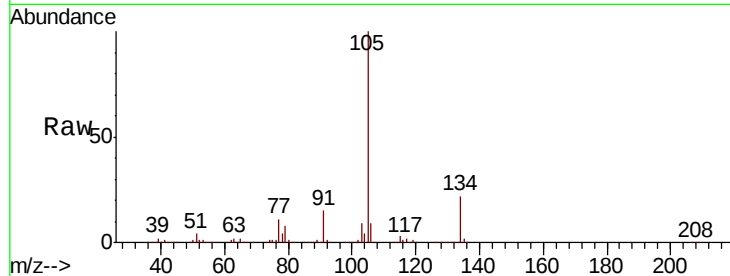
VSTDCCC050

Tot Ion:105 Resp: 2862421

Ion Ratio Lower Upper

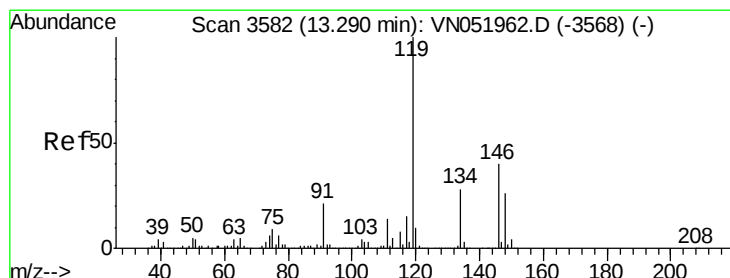
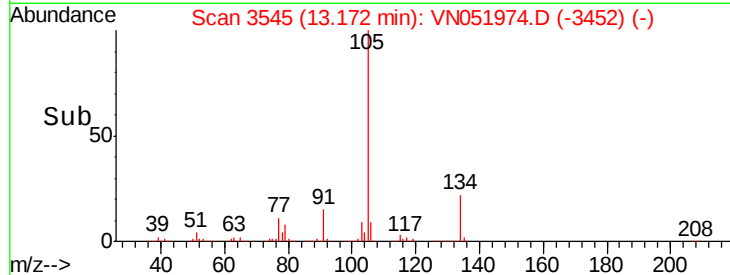
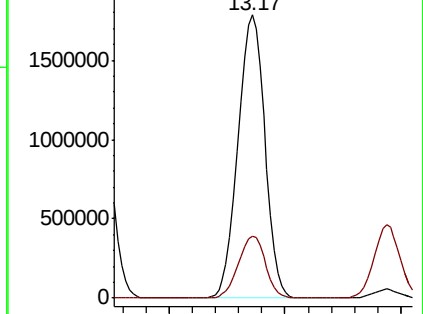
105 100

134 22.1 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.440 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

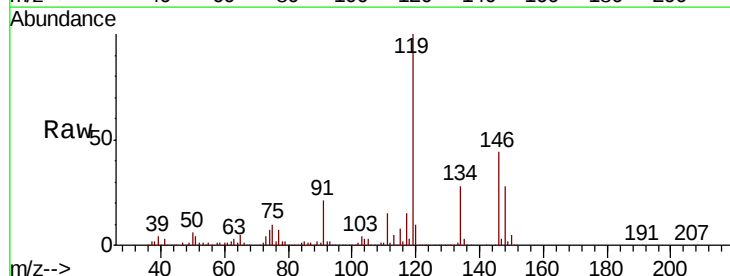
Tgt Ion:119 Resp: 2616488

Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.7

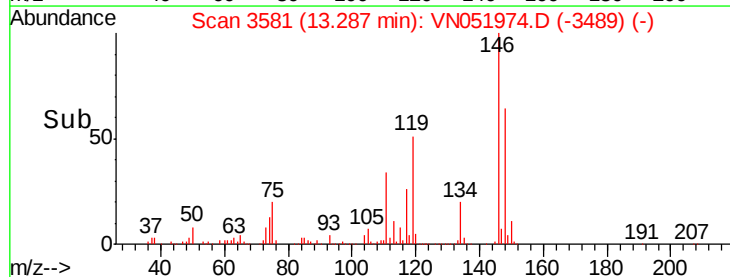
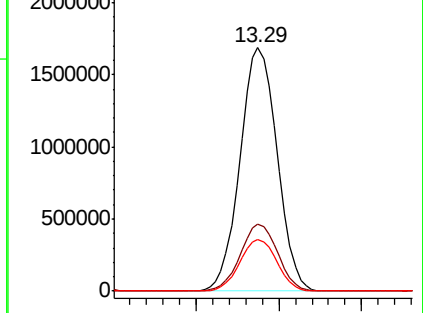
91 21.3 10.6 31.8

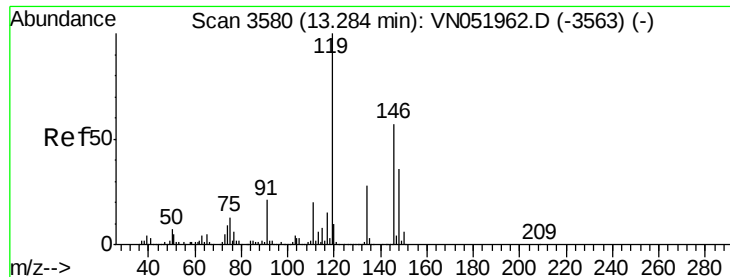


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.202 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

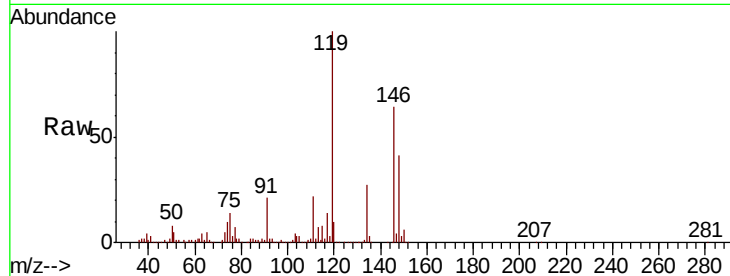
Tot Ion:146 Resp: 1457403

Ion Ratio Lower Upper

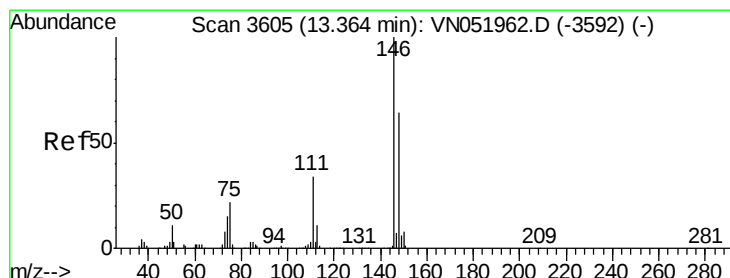
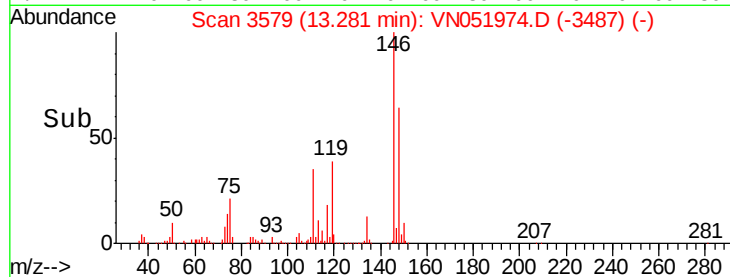
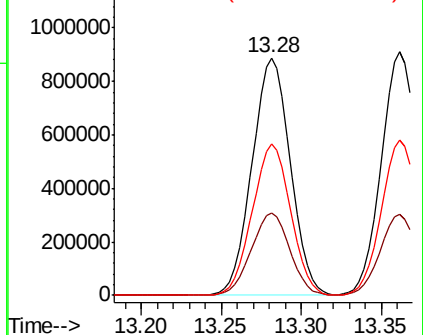
146 100

111 34.8 17.6 52.8

148 64.0 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 52.237 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

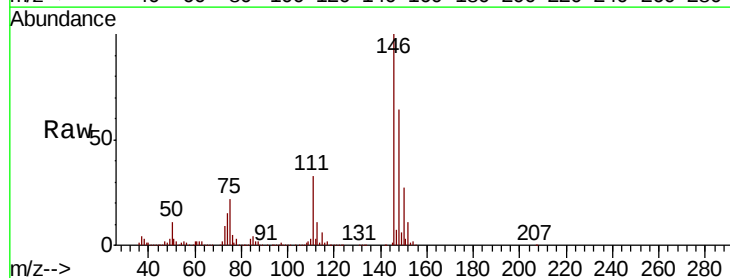
Tgt Ion:146 Resp: 1465861

Ion Ratio Lower Upper

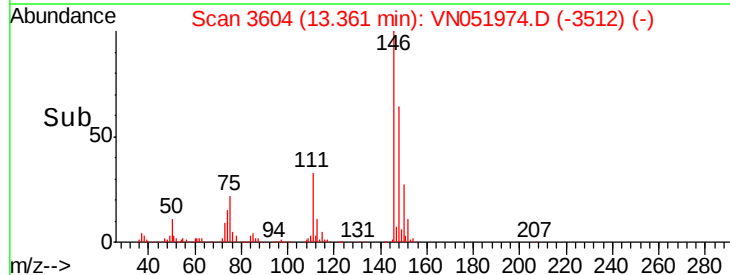
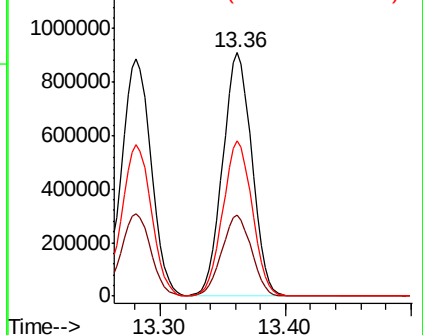
146 100

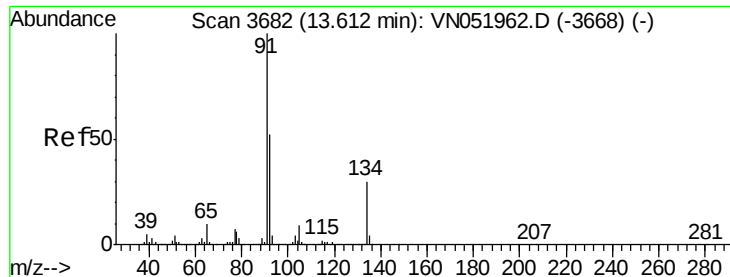
111 34.1 17.3 51.7

148 64.2 32.1 96.3



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





#89

n-Butylbenzene

Concen: 51.113 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

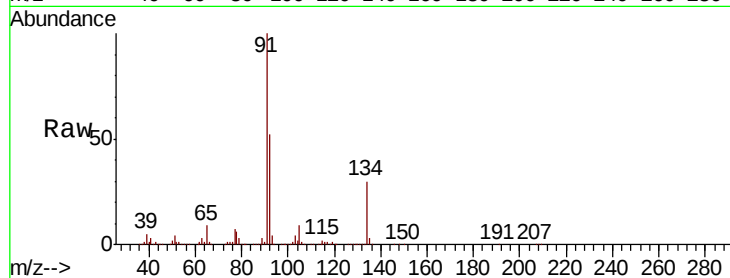
Tot Ion: 91 Resp: 2030729

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	30.9	15.2	45.6

91 100

92 51.9 25.9 77.8

134 30.9 15.2 45.6

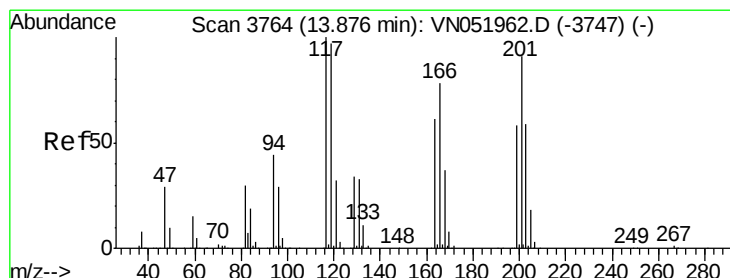
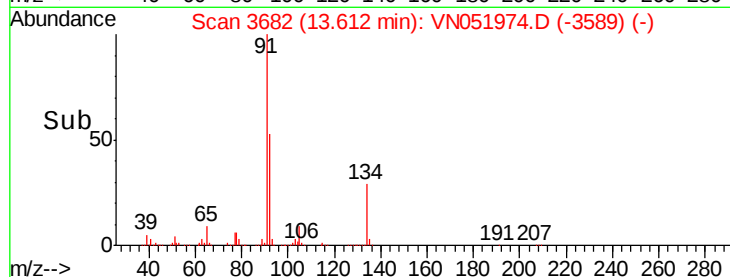
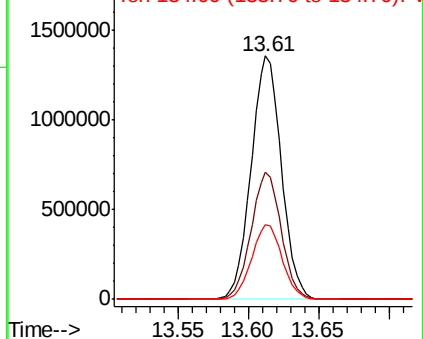


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#90

Hexachloroethane

Concen: 54.372 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051974.D

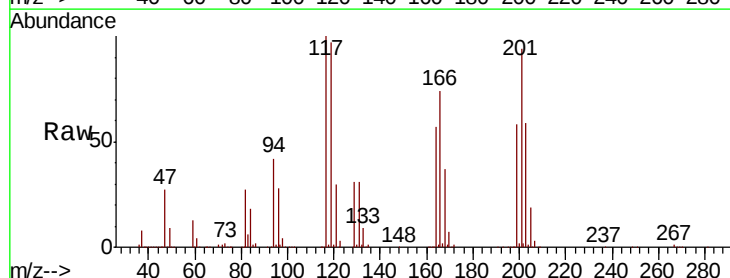
Acq: 24 Oct 2018 8:39

Tgt Ion: 117 Resp: 404163

Ion	Ratio	Lower	Upper
117	100		
201	92.5	45.6	136.9

117 100

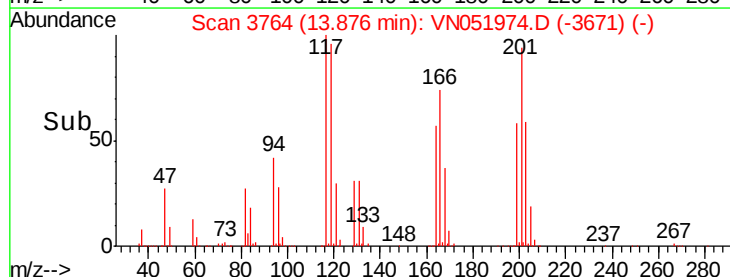
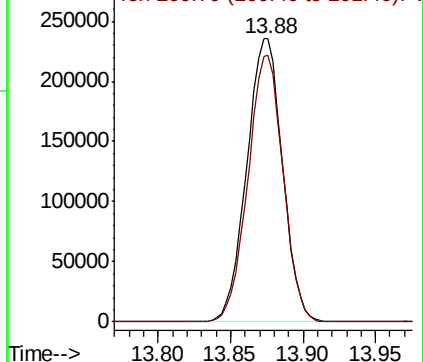
201 92.5 45.6 136.9

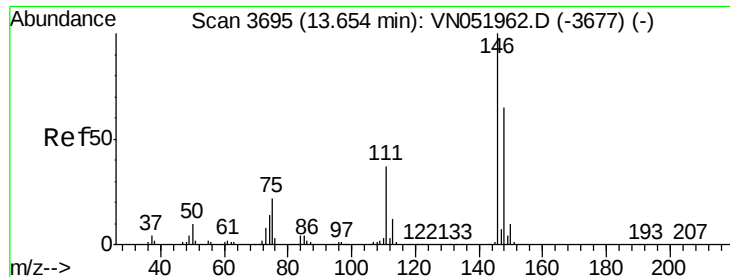


Abundance

Ion 116.80 (116.50 to 117.50): VN0

Ion 200.70 (200.40 to 201.40): VN0





#91

1,2-Dichlorobenzene

Concen: 49.937 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

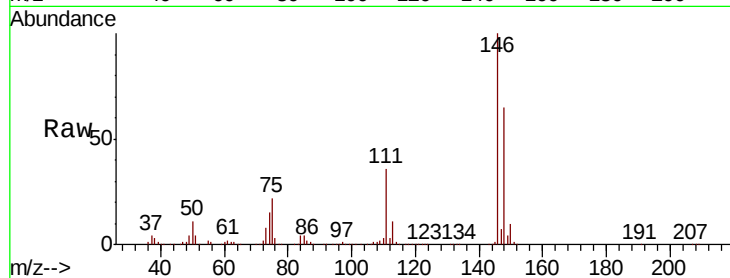
Tot Ion:146 Resp: 1375042

Ion Ratio Lower Upper

146 100

111 35.6 18.3 54.9

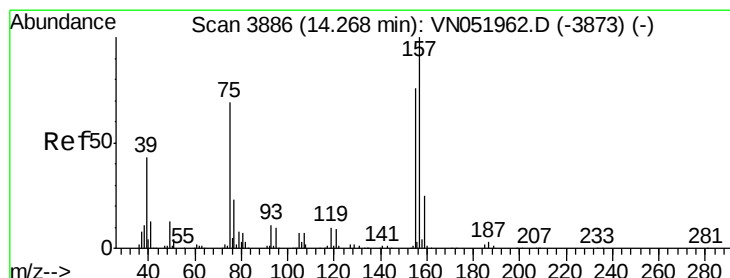
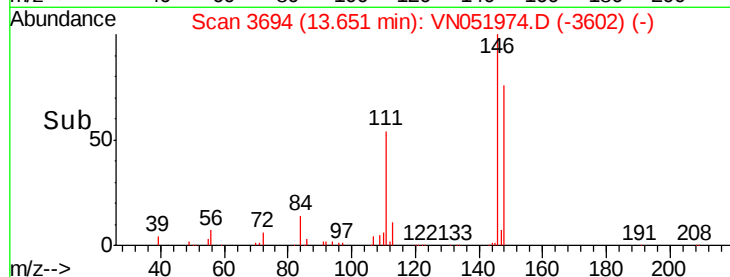
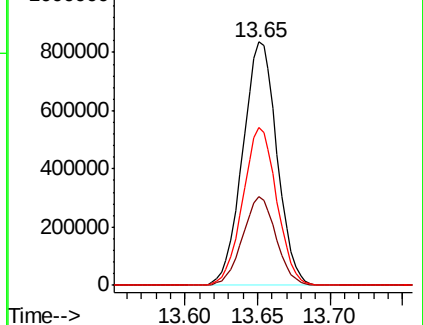
148 64.1 32.4 97.0



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: 38.669 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

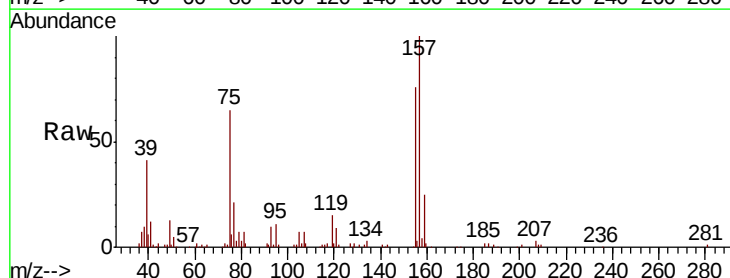
Tgt Ion: 75 Resp: 68602

Ion Ratio Lower Upper

75 100

155 114.9 56.0 167.9

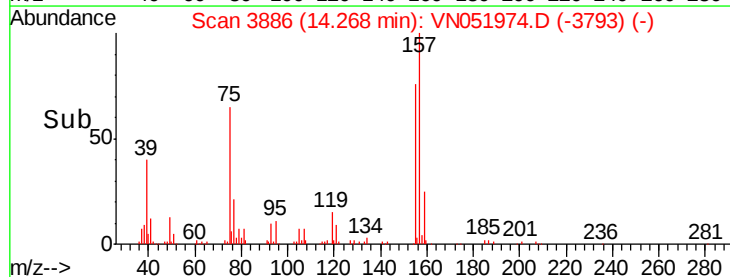
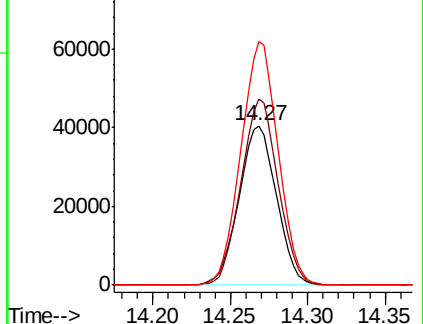
157 151.4 73.9 221.6

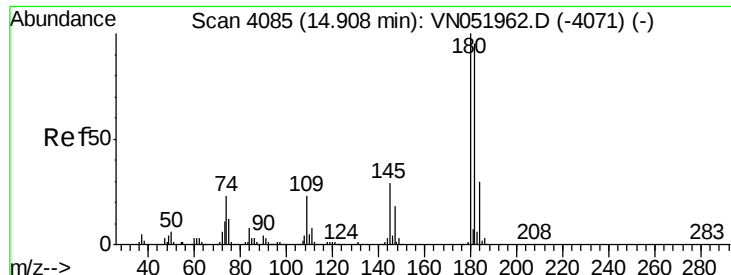


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

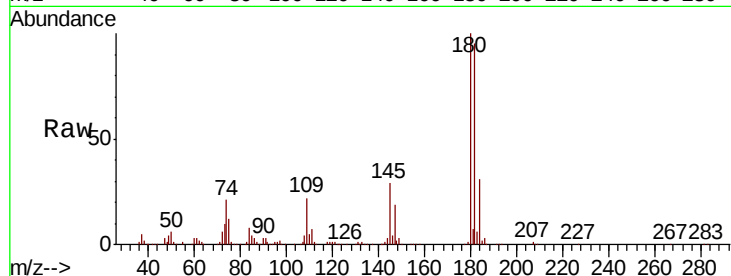




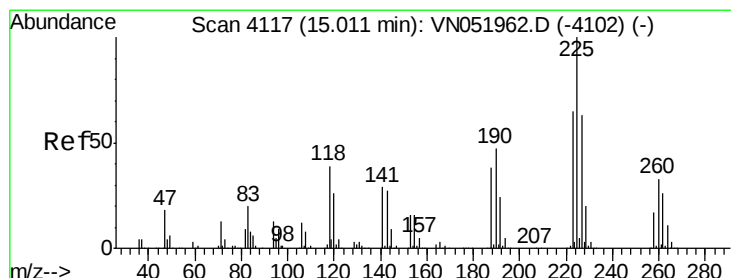
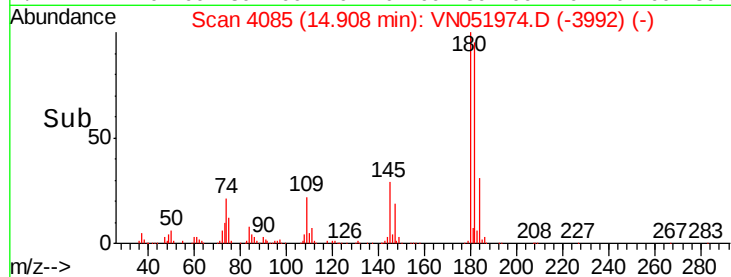
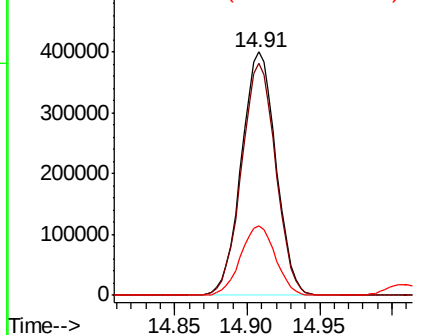
#93
 1,2,4-Trichlorobenzene
 Concen: 40.698 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 661970
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.8 143.4
 145 28.9 14.5 43.5

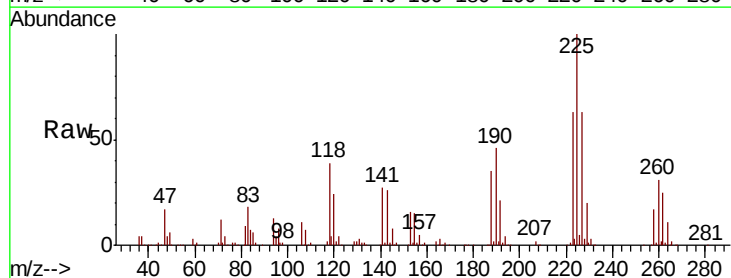


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

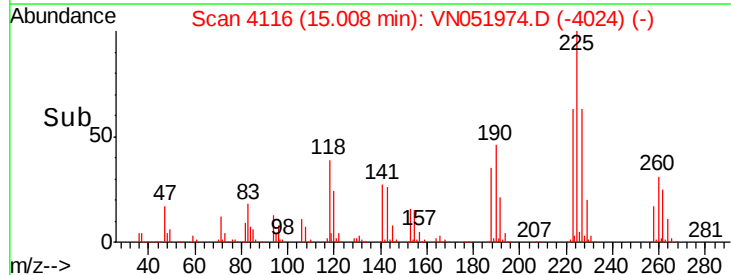
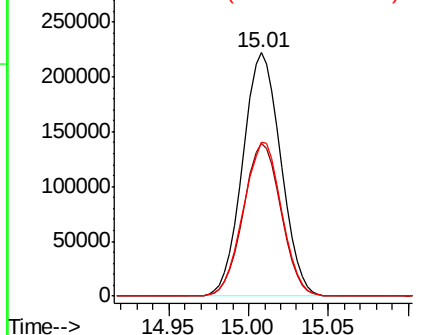


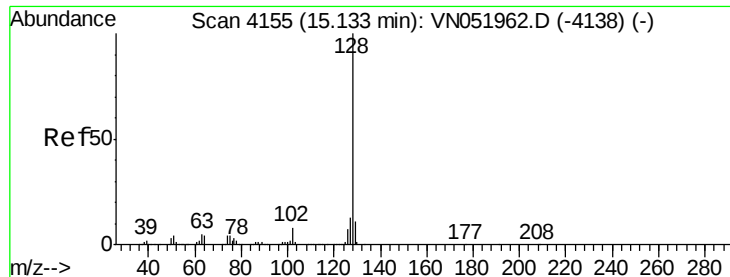
#94
 Hexachlorobutadiene
 Concen: 43.118 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion:225 Resp: 360365
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.8 95.4
 227 63.7 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

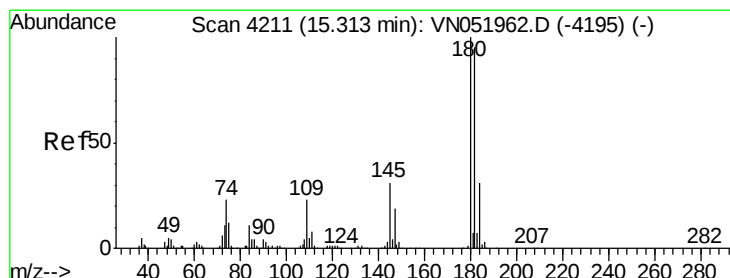
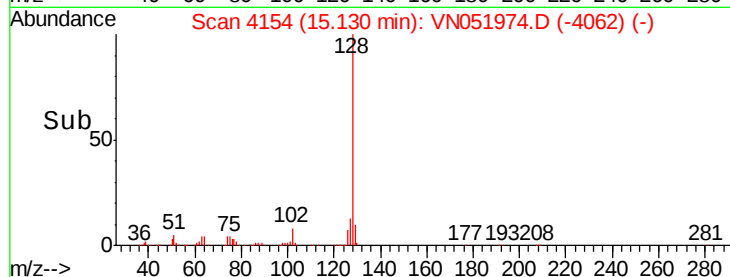
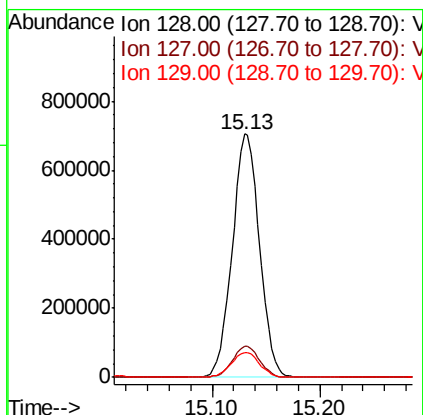
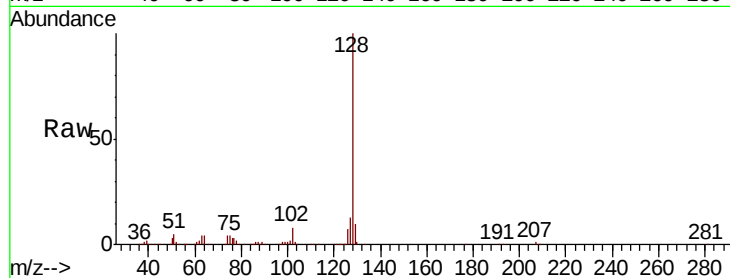




#95
Naphthalene
Concen: 35.000 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1236336
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 34.590 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion:180 Resp: 537775
Ion Ratio Lower Upper
180 100
182 96.8 47.9 143.6
145 30.9 15.4 46.2

