

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052374.D
 Acq On : 16 Nov 2018 19:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 16 22:43:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	277422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	465130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	193634	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.59	113	151345	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.09	98	570034	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	195250	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152976	52.037	ug/l	96
3) Chloromethane	2.06	50	196906	48.198	ug/l	99
4) Vinyl Chloride	2.19	62	178462	50.535	ug/l	98
5) Bromomethane	2.57	94	85230	38.714	ug/l	100
6) Chloroethane	2.71	64	96645	48.403	ug/l	100
7) Trichlorofluoromethane	3.03	101	250374	51.236	ug/l	98
8) Diethyl Ether	3.41	74	89650	48.135	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	149575	48.468	ug/l	99
10) Methyl Iodide	3.96	142	168849	40.750	ug/l	97
11) Tert butyl alcohol	4.78	59	37682	182.104	ug/l	96
12) 1,1-Dichloroethene	3.74	96	135982	47.616	ug/l	95
13) Acrolein	3.61	56	58860	193.937	ug/l	98
14) Allyl chloride	4.33	41	275100	46.914	ug/l	91
15) Acrylonitrile	4.99	53	276300	233.841	ug/l	98
16) Acetone	3.82	43	217547	201.652	ug/l	94
17) Carbon Disulfide	4.06	76	393059	47.998	ug/l	99
18) Methyl Acetate	4.33	43	146071	48.333	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	415512	50.630	ug/l	99
20) Methylene Chloride	4.56	84	164281	50.055	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	148741	48.376	ug/l	99
22) Diisopropyl ether	5.95	45	623333	52.098	ug/l	99
23) Vinyl Acetate	5.90	43	2114875	260.571	ug/l	99
24) 1,1-Dichloroethane	5.85	63	315212	49.132	ug/l	100
25) 2-Butanone	6.84	43	338260	222.757	ug/l	99
26) 2,2-Dichloropropane	6.83	77	232935	49.377	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	170783	47.713	ug/l	94
28) Bromochloromethane	7.20	49	162478	49.254	ug/l	99
29) Tetrahydrofuran	7.21	42	229330	229.892	ug/l	98
30) Chloroform	7.37	83	311572	50.959	ug/l	98
31) Cyclohexane	7.66	56	290235	48.697	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	266499	51.167	ug/l	98
36) 1,1-Dichloropropene	7.79	75	238204	51.095	ug/l	99
37) Ethyl Acetate	6.93	43	161384	47.698	ug/l	96
38) Carbon Tetrachloride	7.78	117	233195	54.445	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	263883	49.583	ug/l	100
40) Benzene	8.04	78	669241	50.250	ug/l	98
41) Methacrylonitrile	7.17	41	92256	49.162	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	250880	52.826	ug/l	100
43) Isopropyl Acetate	8.17	43	316642	48.499	ug/l #	86
44) Trichloroethene	8.84	130	168626	51.400	ug/l	98
45) 1,2-Dichloropropane	9.12	63	189278	50.078	ug/l	98
46) Dibromomethane	9.21	93	109687	50.130	ug/l	98
47) Bromodichloromethane	9.40	83	237491	52.892	ug/l	98
48) Methyl methacrylate	9.20	41	159876	48.259	ug/l	97
49) 1,4-Dioxane	9.20	88	18892	742.868	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	823706	250.639	ug/l	99
52) Toluene	10.16	92	406490	51.020	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	238338	52.631	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	272378	52.763	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	144830	50.145	ug/l	95
56) Ethyl methacrylate	10.43	69	196372	51.699	ug/l	97
57) 1,3-Dichloropropane	10.71	76	261464	51.109	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	549424	254.067	ug/l	100
59) 2-Hexanone	10.75	43	539760	238.778	ug/l	99
60) Dibromochloromethane	10.90	129	162074	51.866	ug/l	98
61) 1,2-Dibromoethane	11.01	107	142057	49.377	ug/l	98
64) Tetrachloroethene	10.63	164	145671	48.650	ug/l	98
65) Chlorobenzene	11.43	112	444808	49.964	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	158441	52.191	ug/l	99
67) Ethyl Benzene	11.51	91	798802	51.698	ug/l	99
68) m/p-Xylenes	11.62	106	580019	102.739	ug/l	96
69) o-Xylene	11.95	106	282757	52.249	ug/l	98
70) Styrene	11.96	104	462051	53.322	ug/l	99
71) Bromoform	12.13	173	94590	52.772	ug/l #	98
73) Isopropylbenzene	12.25	105	776006	50.838	ug/l	99
74) N-amyl acetate	12.07	43	285007	52.422	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	175403	47.536	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	235547	73.118	ug/l #	100
77) Bromobenzene	12.53	156	184752	52.019	ug/l	95
78) n-propylbenzene	12.59	91	913356	51.163	ug/l	100
79) 2-Chlorotoluene	12.67	91	523318	50.180	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	625576	51.536	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47840	48.166	ug/l	98
82) 4-Chlorotoluene	12.77	91	542863	50.808	ug/l	97
83) tert-Butylbenzene	12.99	119	531374	49.584	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	637151	52.287	ug/l	99
85) sec-Butylbenzene	13.17	105	750131	51.385	ug/l	100
86) p-Isopropyltoluene	13.29	119	638104	51.601	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	315522	50.022	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	316728	50.506	ug/l	99
89) n-Butylbenzene	13.61	91	582793	54.873	ug/l	99
90) Hexachloroethane	13.87	117	112527	51.376	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	307235	50.275	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28567	52.502	ug/l	89

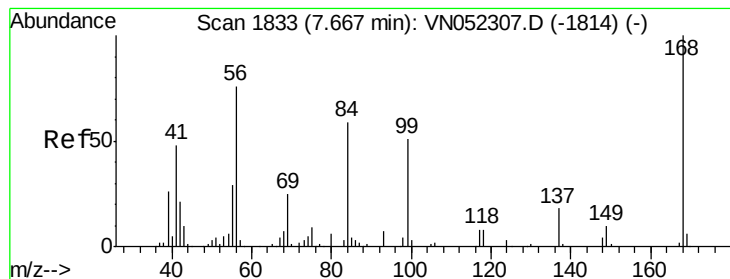
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148187	52.020	ug/l	98
94) Hexachlorobutadiene	15.01	225	66483	47.531	ug/l	98
95) Naphthalene	15.13	128	340296	50.601	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133318	57.413	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

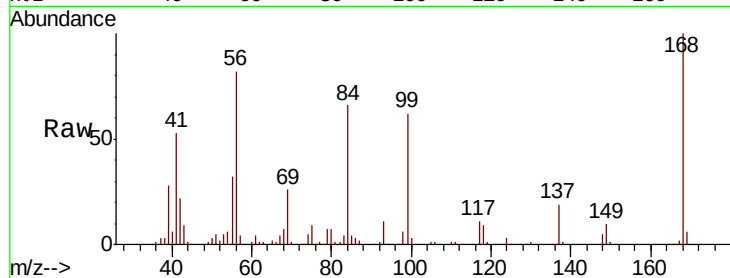
VSTDCCC050EC

Tot Ion:168 Resp: 277422

Ion Ratio Lower Upper

168 100

99 61.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

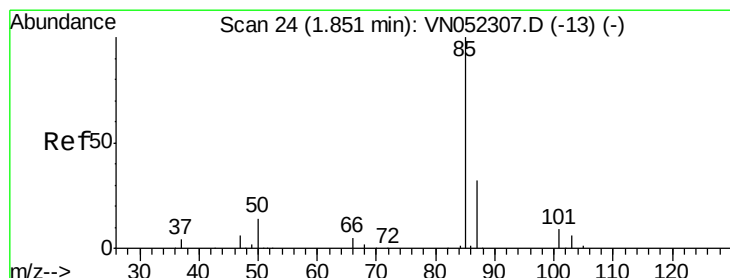
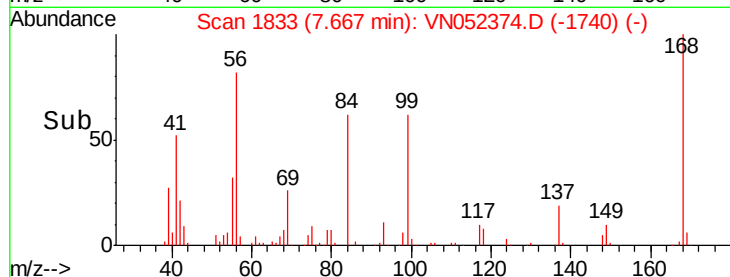
7.67

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 52.037 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052374.D

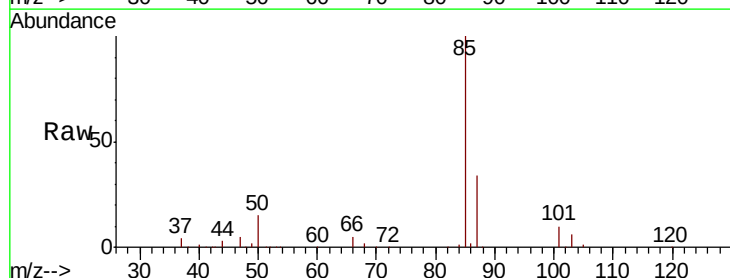
Acq: 16 Nov 2018 19:26

Tgt Ion: 85 Resp: 152976

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

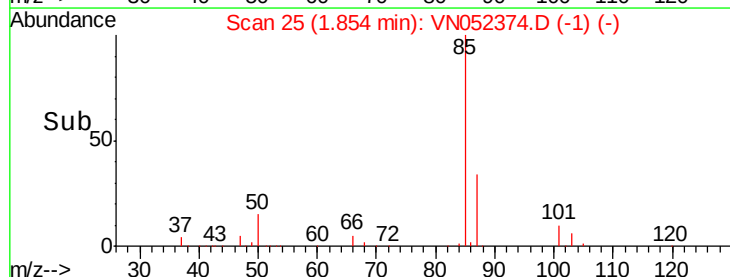
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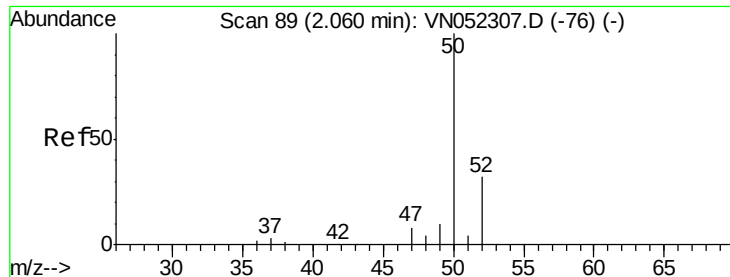
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 48.198 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

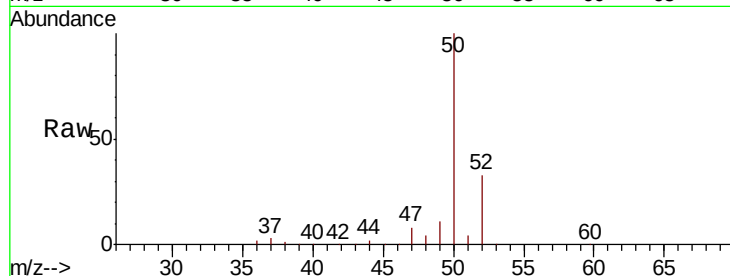
VSTDCCC050EC

Tot Ion: 50 Resp: 196906

Ion Ratio Lower Upper

50 100

52 32.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN052374.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN052374.D (-1) (-)

2.06

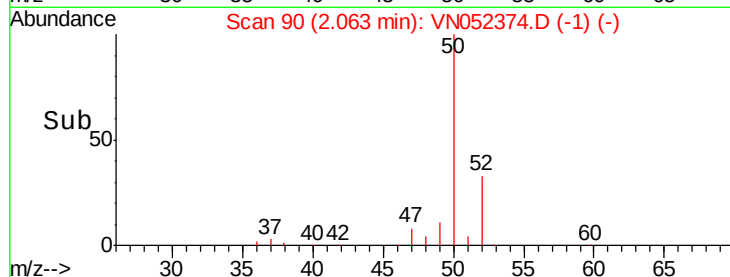
150000

100000

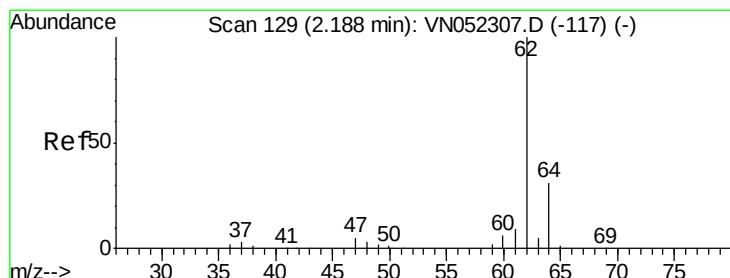
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 50.535 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052374.D

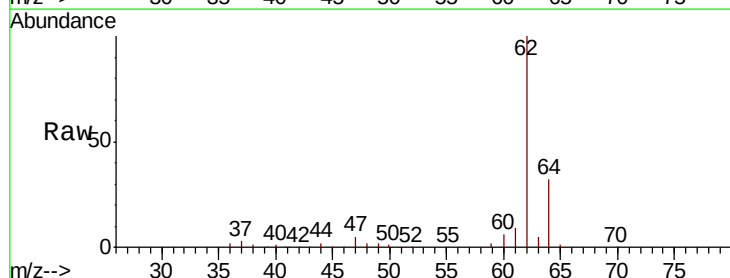
Acq: 16 Nov 2018 19:26

Tgt Ion: 62 Resp: 178462

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN052374.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN052374.D (-36) (-)

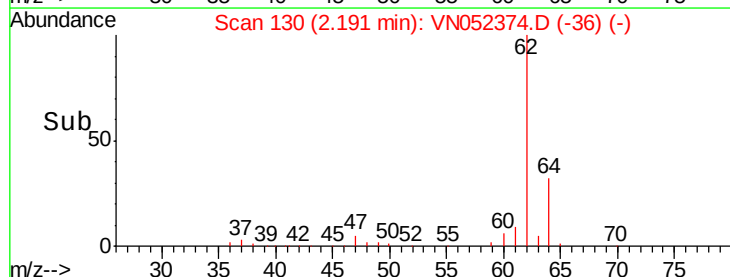
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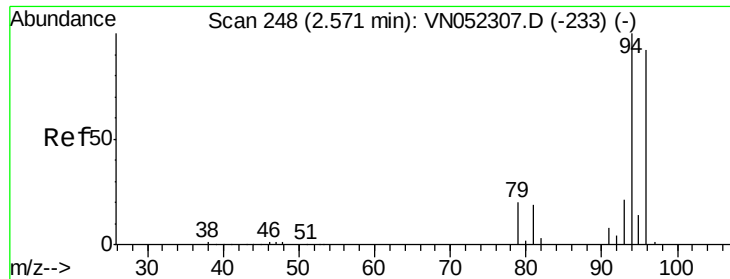
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 38.714 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

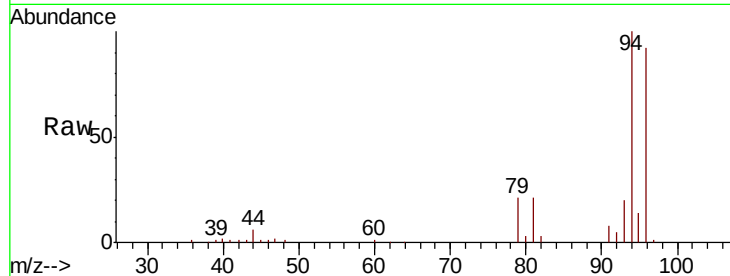
VSTDCCC050EC

Tot Ion: 94 Resp: 85230

Ion Ratio Lower Upper

94 100

96 91.6 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

50000

40000

30000

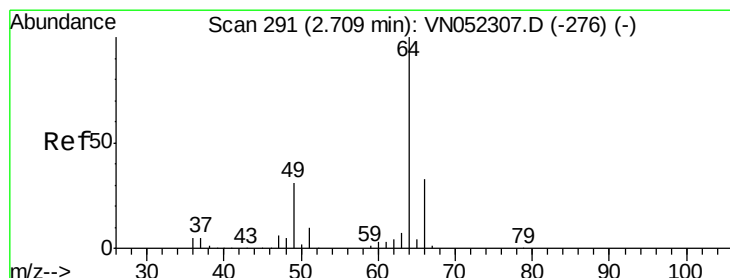
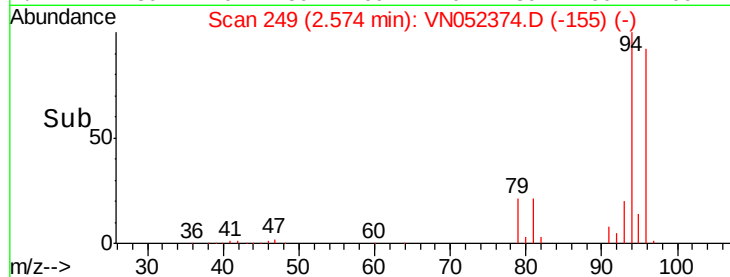
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 48.403 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052374.D

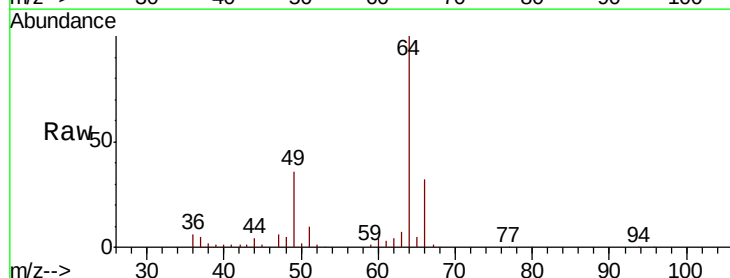
Acq: 16 Nov 2018 19:26

Tgt Ion: 64 Resp: 96645

Ion Ratio Lower Upper

64 100

66 32.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

50000

40000

30000

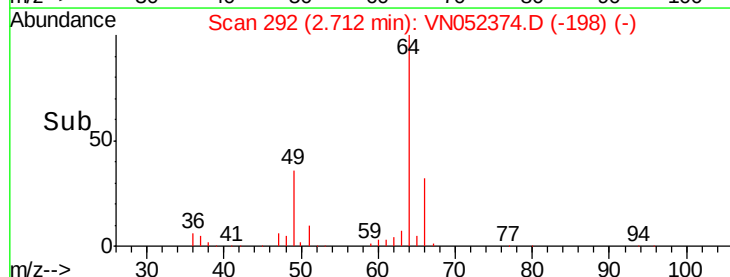
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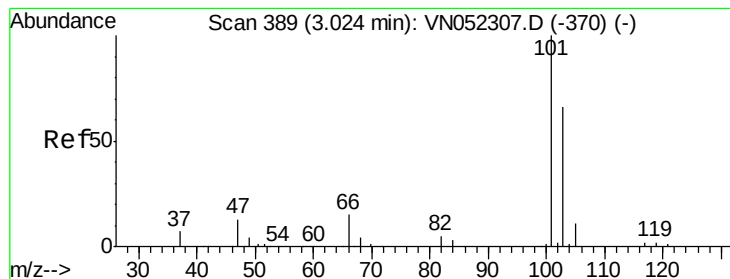
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0

Time-->

2.65 2.70 2.75 2.80



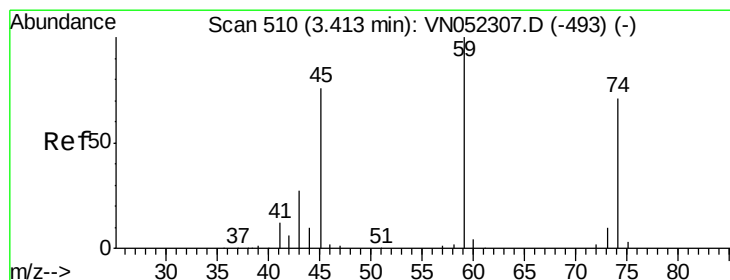
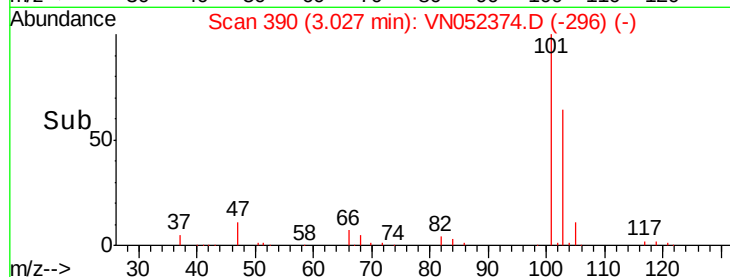
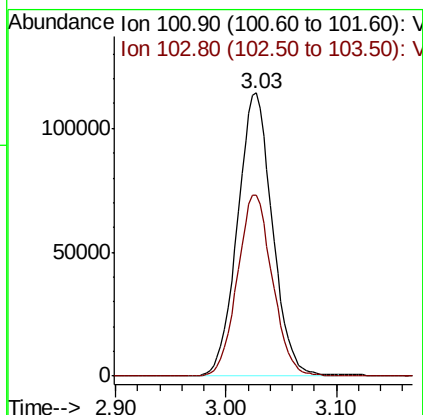
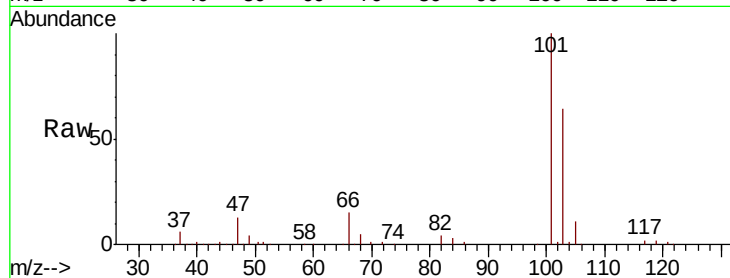


#7

Trichlorofluoromethane
 Concen: 51.236 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
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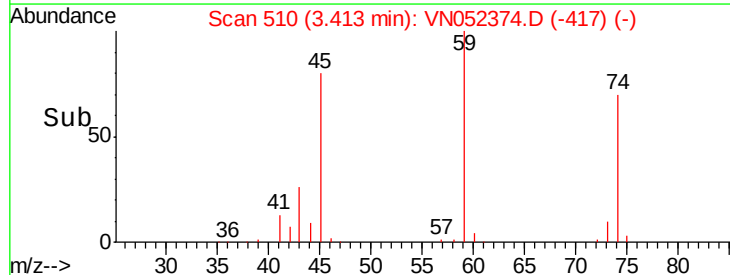
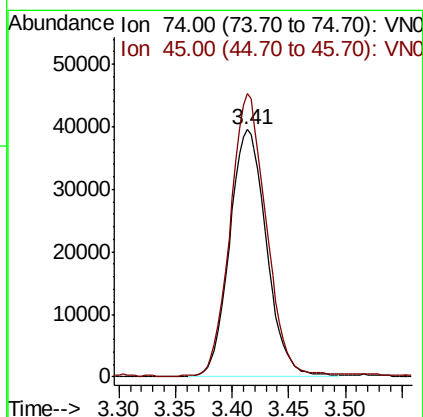
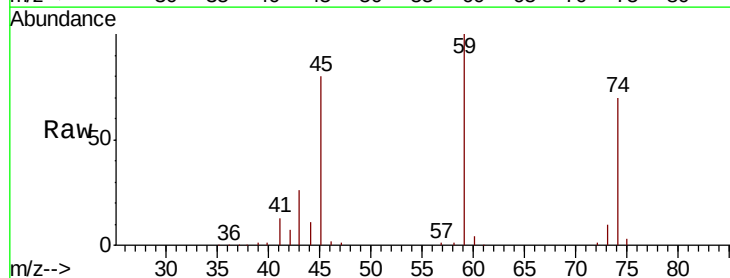
Tot Ion:101 Resp: 250374
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.8 79.2

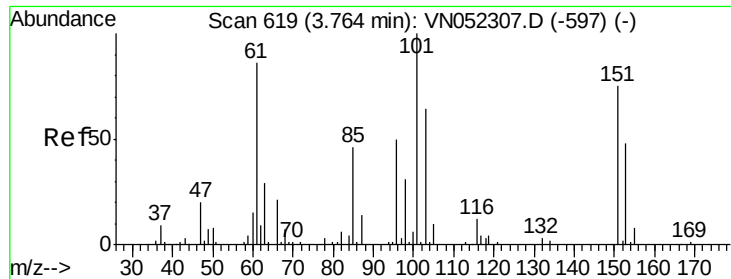


#8

Diethyl Ether
 Concen: 48.135 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion: 74 Resp: 89650
 Ion Ratio Lower Upper
 74 100
 45 112.9 54.3 162.9

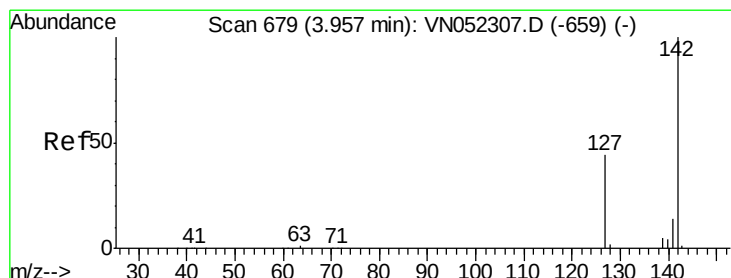
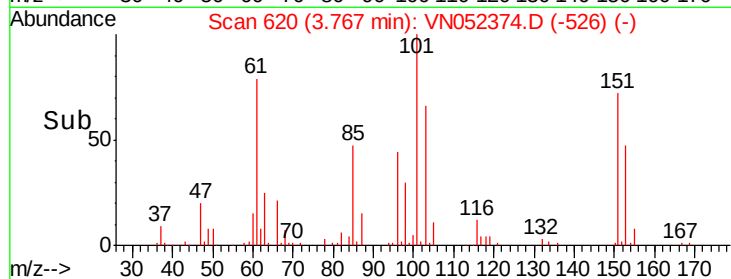
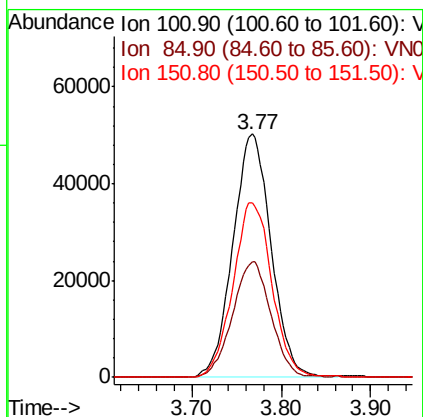
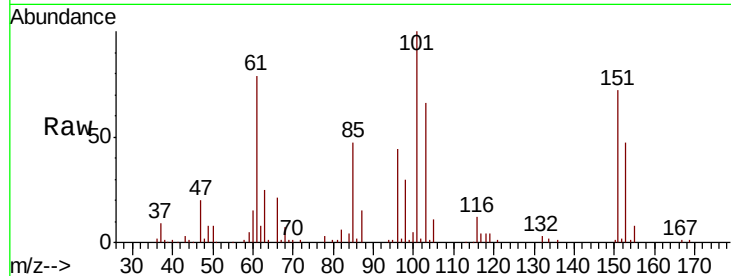




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.468 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

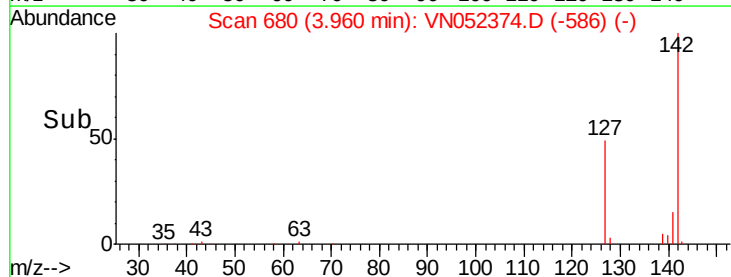
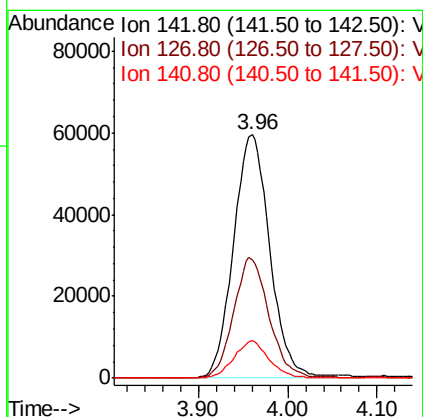
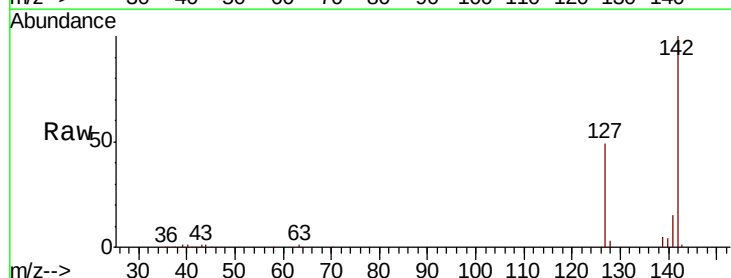
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 ClientSampleId :
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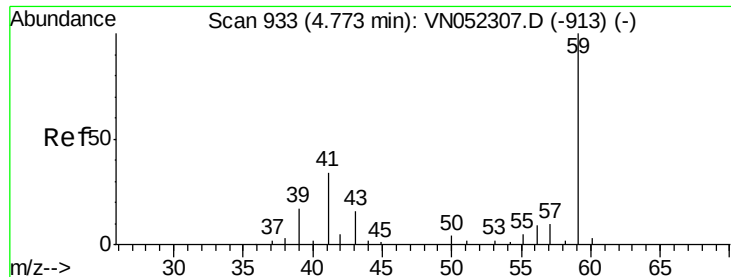
Tot Ion:101 Resp: 149575
 Ion Ratio Lower Upper
 101 100
 85 47.7 37.4 56.0
 151 73.0 58.6 88.0



#10
 Methyl Iodide
 Concen: 40.750 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion:142 Resp: 168849
 Ion Ratio Lower Upper
 142 100
 127 47.9 36.3 54.5
 141 14.7 11.4 17.2

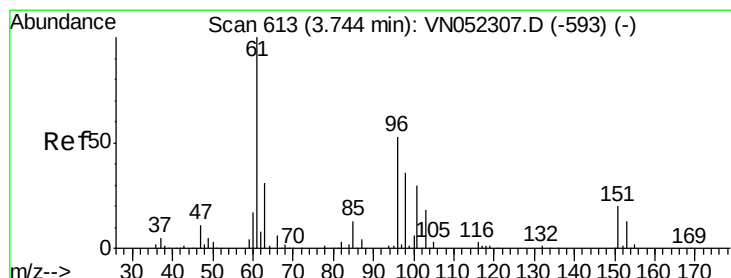
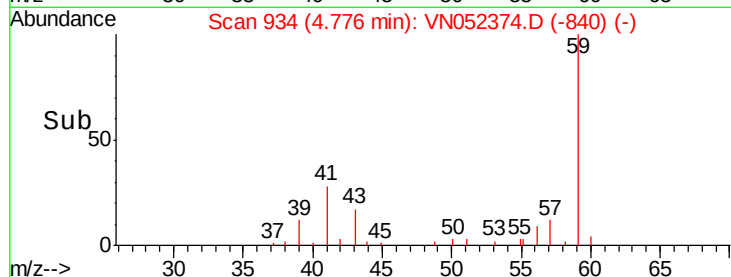
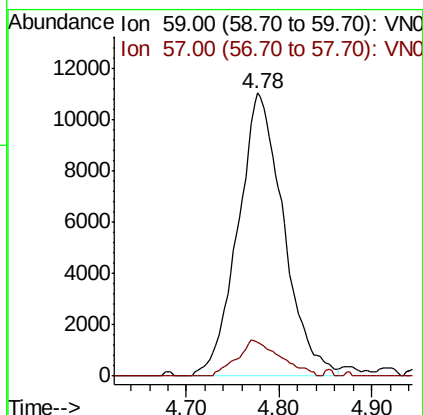
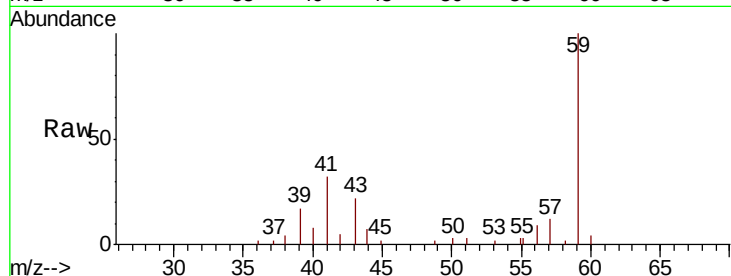




#11
Tert butyl alcohol
Concen: 182.104 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

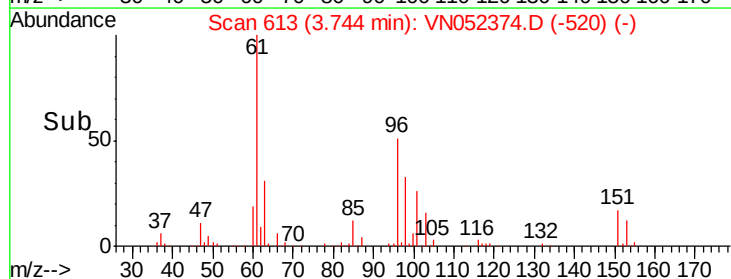
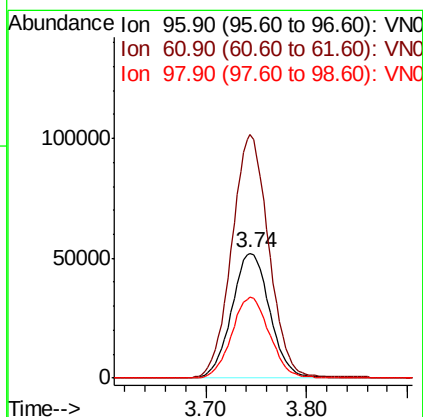
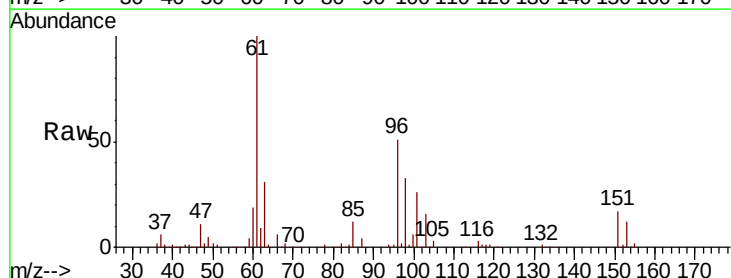
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

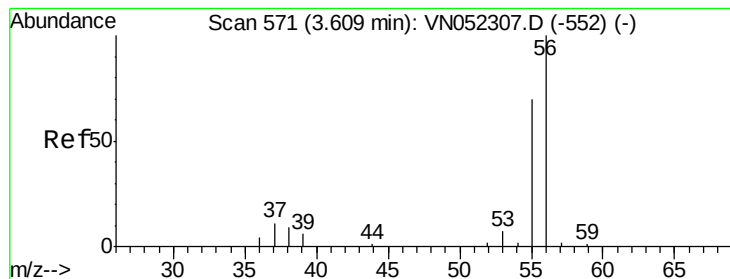
Tot Ion: 59 Resp: 37682
Ion Ratio Lower Upper
59 100
57 12.1 8.5 12.7



#12
1,1-Dichloroethene
Concen: 47.616 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 96 Resp: 135982
Ion Ratio Lower Upper
96 100
61 194.7 149.6 224.4
98 64.8 54.2 81.2





#13

Acrolein

Concen: 193.937 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

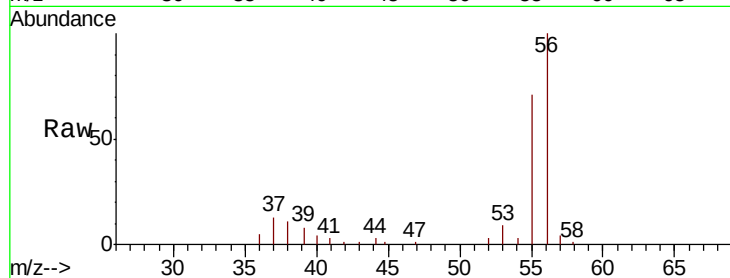
VSTDCCC050EC

Tot Ion: 56 Resp: 58860

Ion Ratio Lower Upper

56 100

55 70.3 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

25000

20000

15000

10000

5000

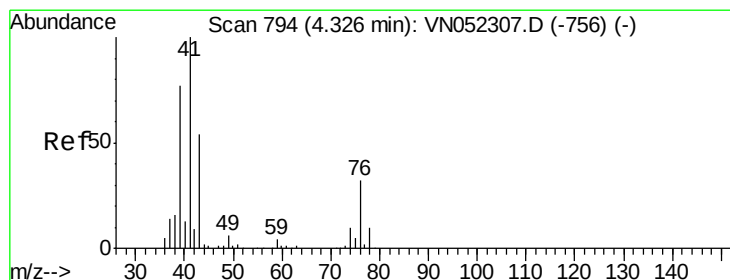
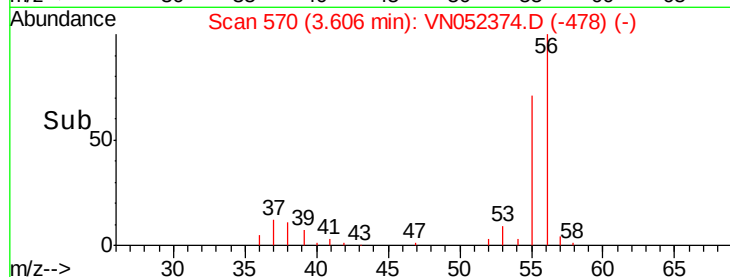
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 46.914 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

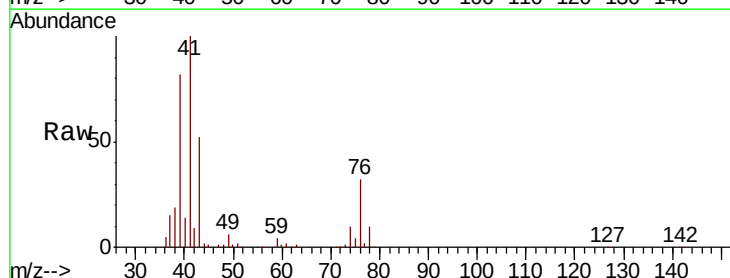
Tgt Ion: 41 Resp: 275100

Ion Ratio Lower Upper

41 100

39 83.9 59.1 88.7

76 31.3 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

120000

100000

80000

60000

40000

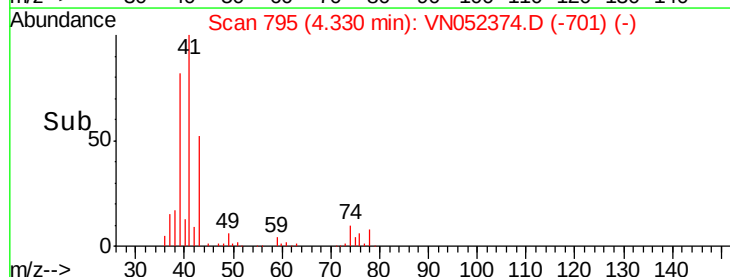
20000

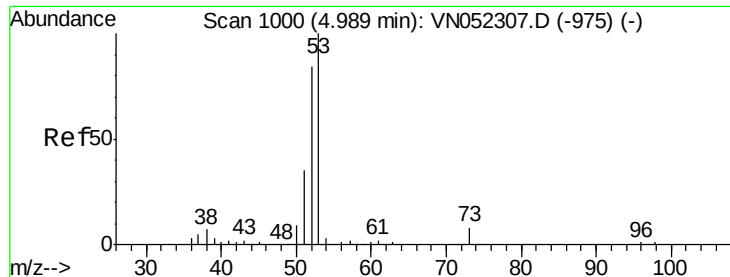
0

Time-->

4.30

4.40





#15

Acrylonitrile

Concen: 233.841 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

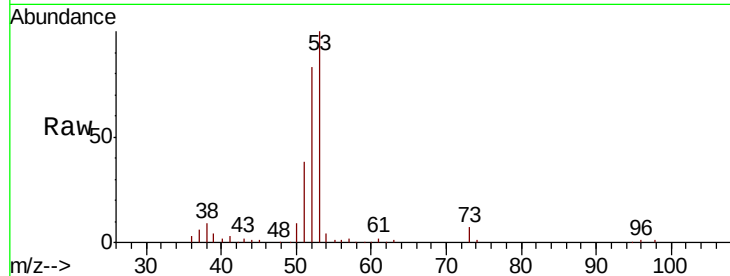
Tot Ion: 53 Resp: 276300

Ion Ratio Lower Upper

53 100

52 83.3 67.5 101.3

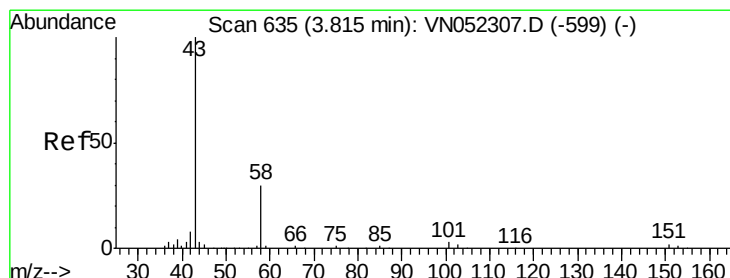
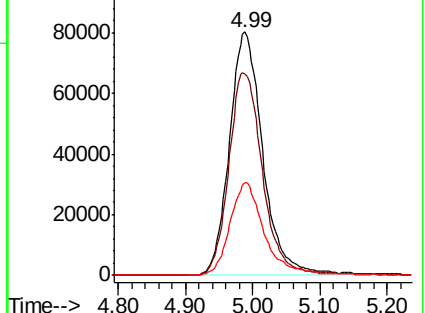
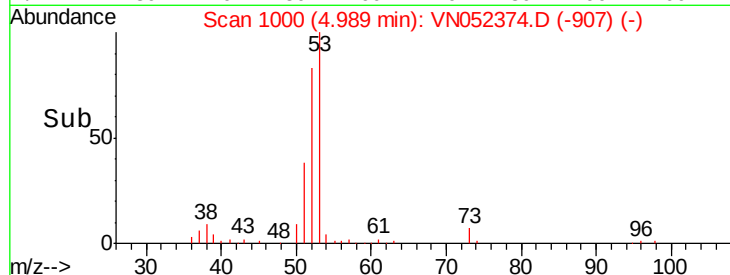
51 38.9 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN052374.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN052374.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN052374.D (-907) (-)



#16

Acetone

Concen: 201.652 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052374.D

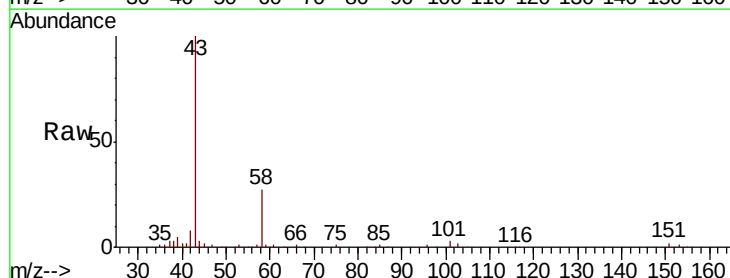
Acq: 16 Nov 2018 19:26

Tgt Ion: 43 Resp: 217547

Ion Ratio Lower Upper

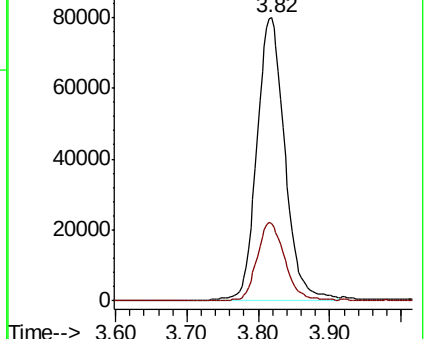
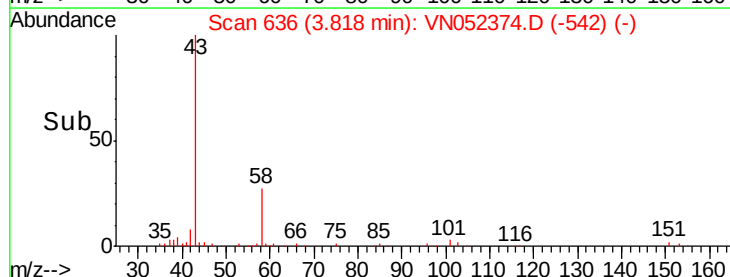
43 100

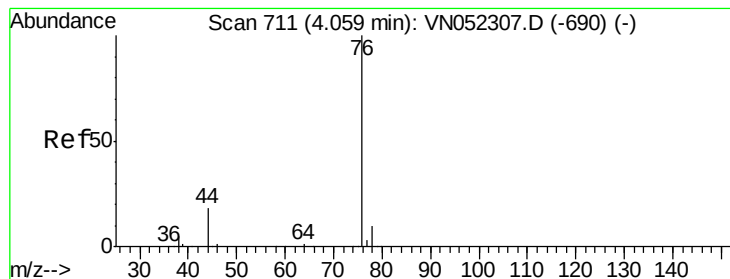
58 27.2 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052374.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052374.D (-542) (-)





#17

Carbon Disulfide

Concen: 47.998 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

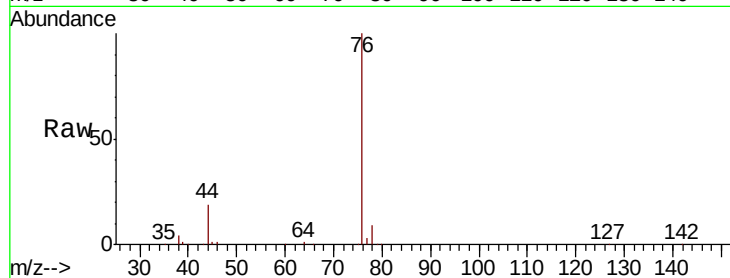
VSTDCCC050EC

Tot Ion: 76 Resp: 393059

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

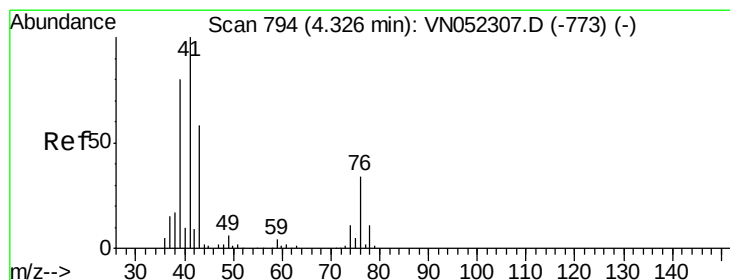
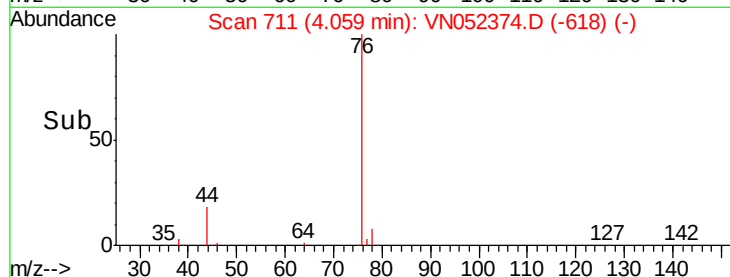
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.333 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052374.D

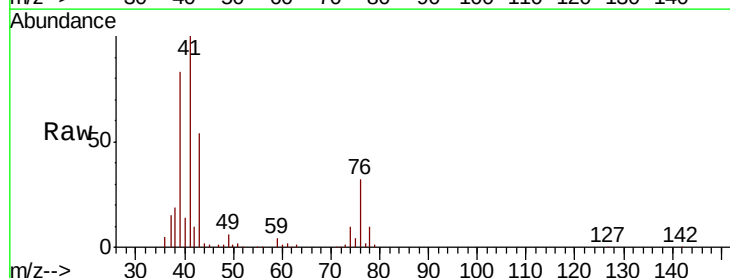
Acq: 16 Nov 2018 19:26

Tgt Ion: 43 Resp: 146071

Ion Ratio Lower Upper

43 100

74 19.2 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

60000

50000

40000

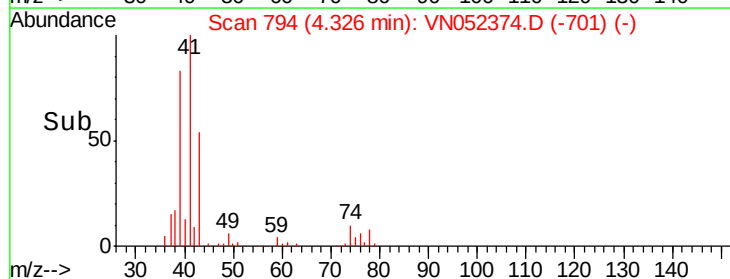
30000

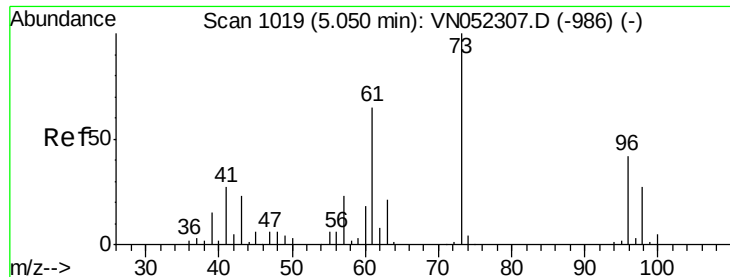
20000

10000

0

Time-->

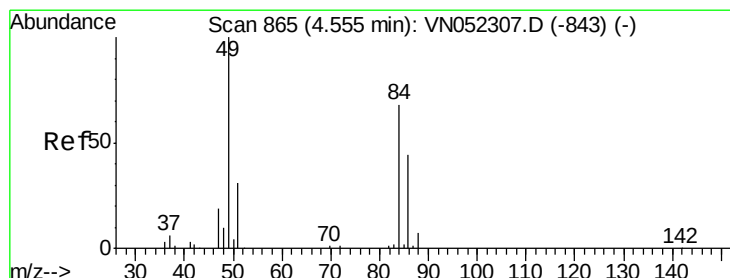
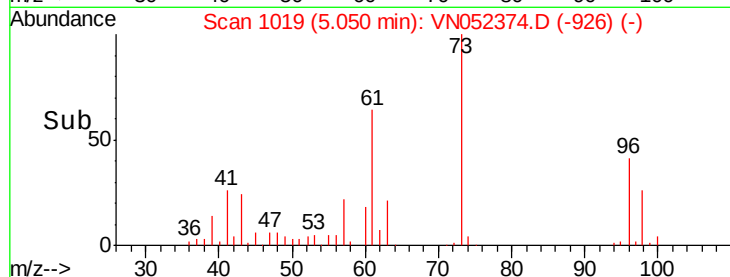
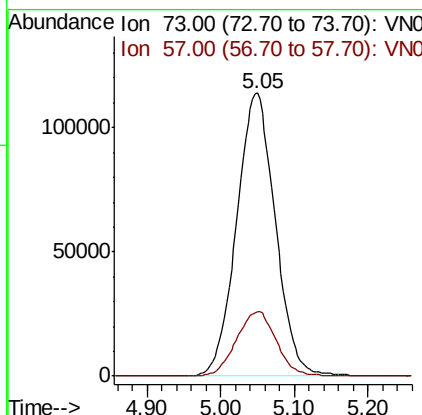
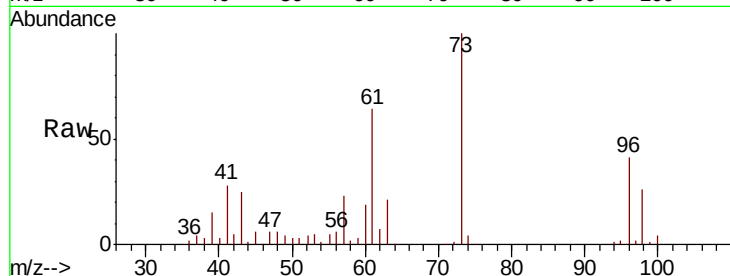




#19
Methyl tert-butyl Ether
Concen: 50.630 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

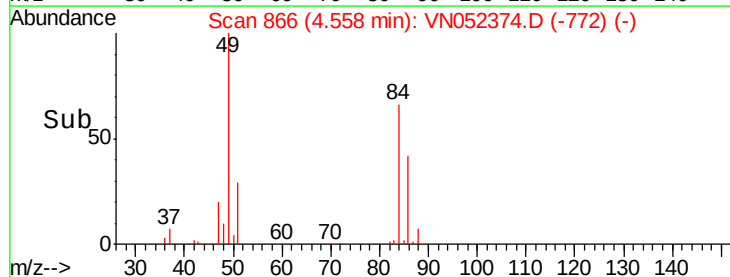
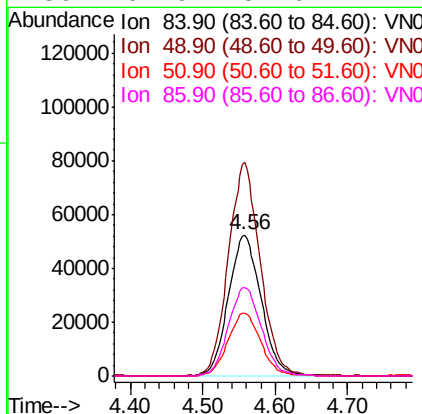
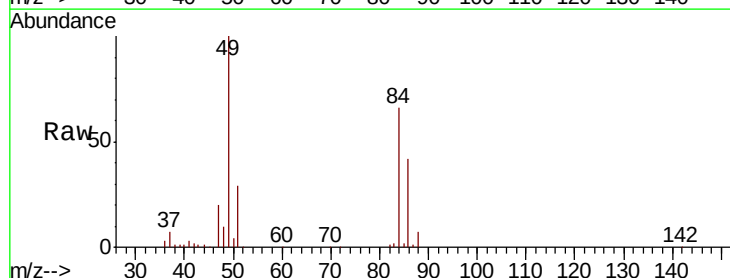
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

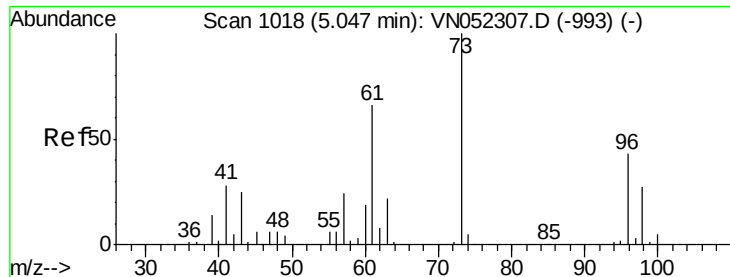
Tot Ion: 73 Resp: 415512
Ion Ratio Lower Upper
73 100
57 22.7 18.7 28.1



#20
Methylene Chloride
Concen: 50.055 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 84 Resp: 164281
Ion Ratio Lower Upper
84 100
49 150.8 118.2 177.2
51 44.3 36.1 54.1
86 62.9 51.6 77.4

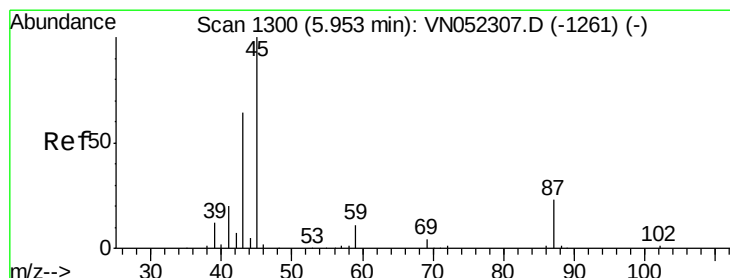
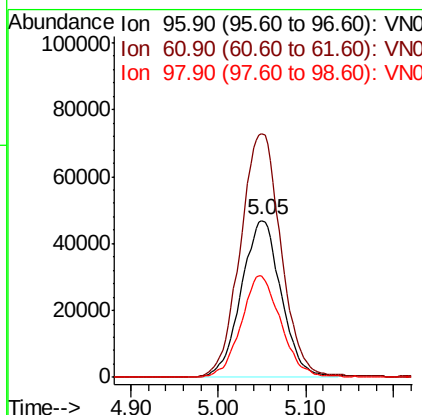
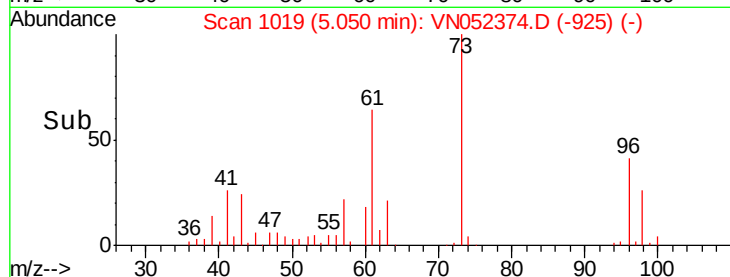
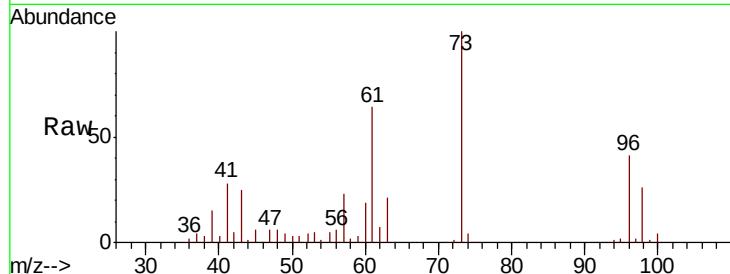




#21
trans-1,2-Dichloroethene
Concen: 48.376 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

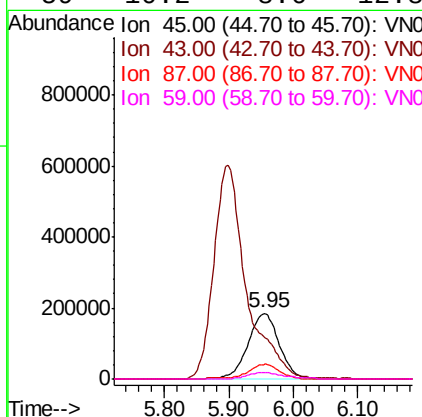
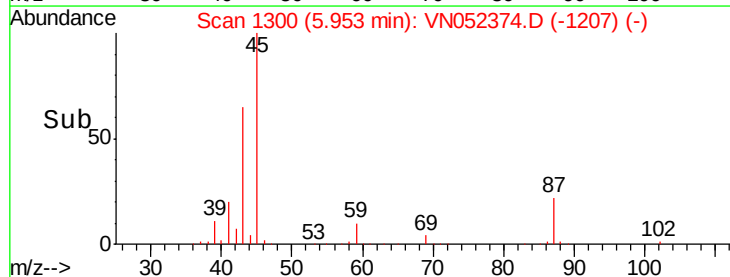
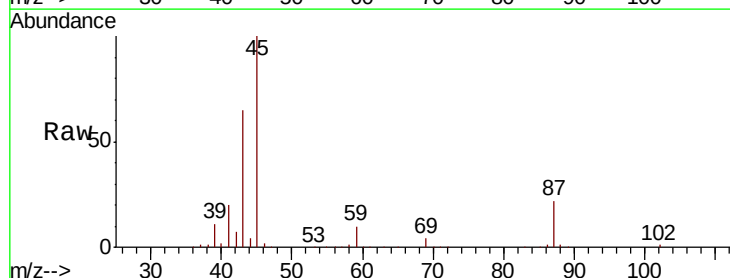
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

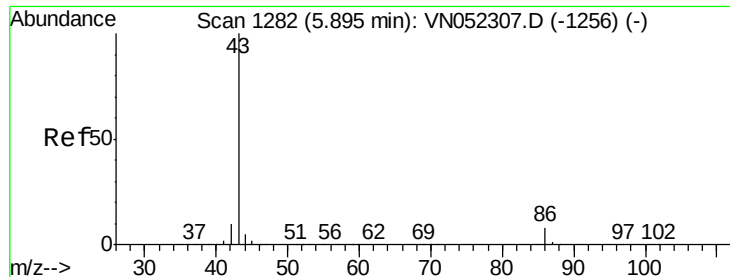
Tot Ion: 96 Resp: 148741
Ion Ratio Lower Upper
96 100
61 155.1 123.6 185.4
98 64.3 50.7 76.1



#22
Diisopropyl ether
Concen: 52.098 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 45 Resp: 623333
Ion Ratio Lower Upper
45 100
43 63.8 51.4 77.2
87 22.2 18.8 28.2
59 10.2 8.6 12.8





#23

Vinyl Acetate

Concen: 260.571 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

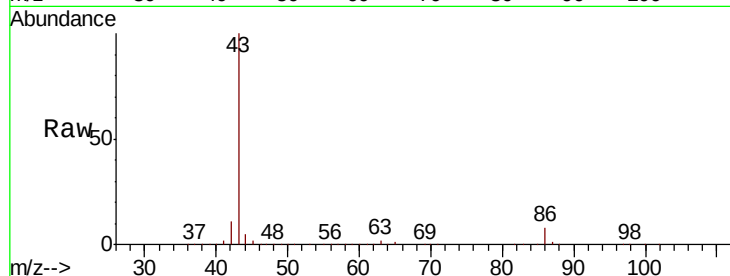
VSTDCCC050EC

Tot Ion: 43 Resp: 2114875

Ion Ratio Lower Upper

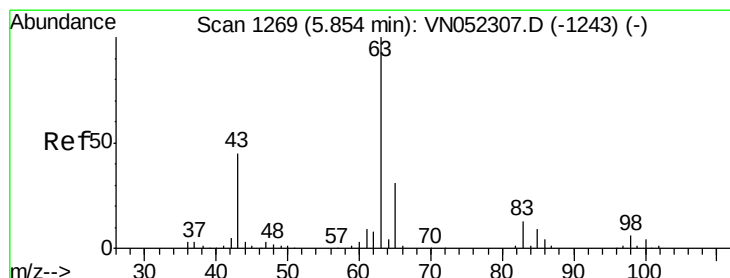
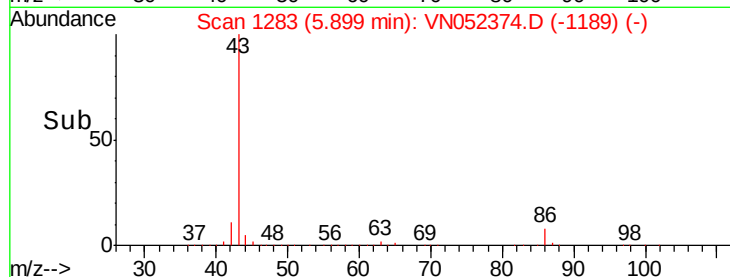
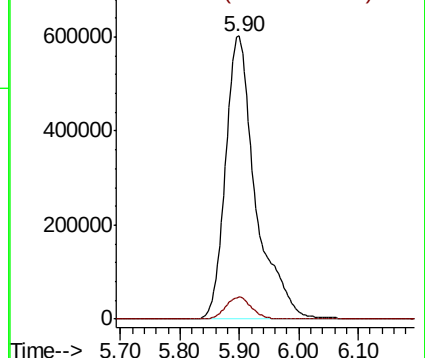
43 100

86 7.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.132 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

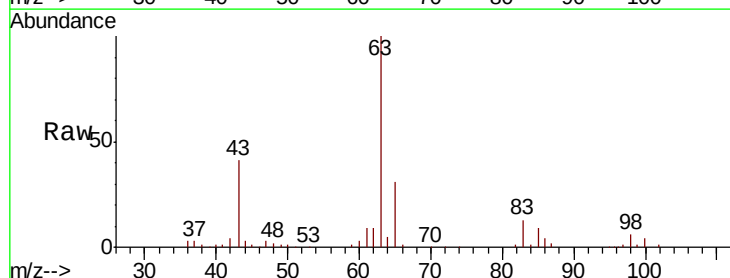
Tgt Ion: 63 Resp: 315212

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

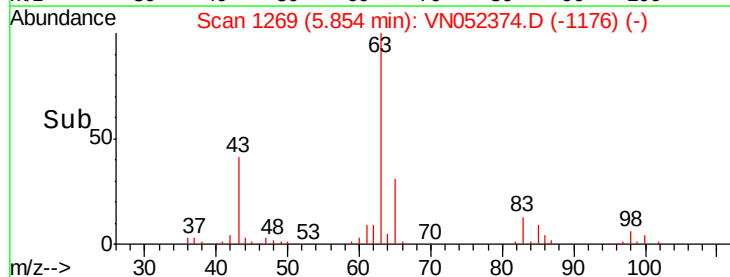
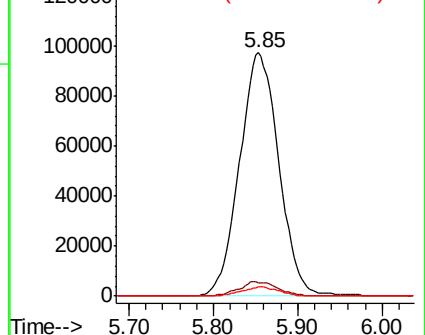
100 3.8 1.9 5.7

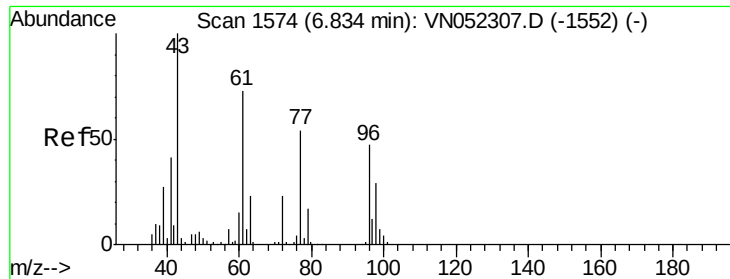


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

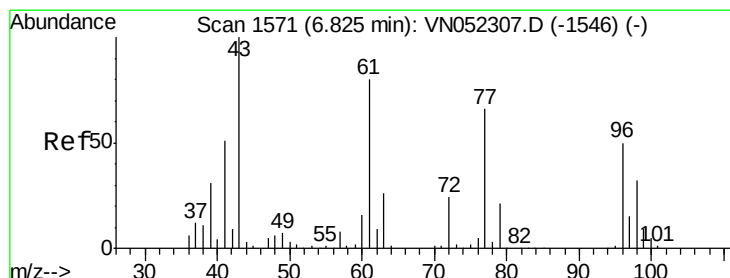
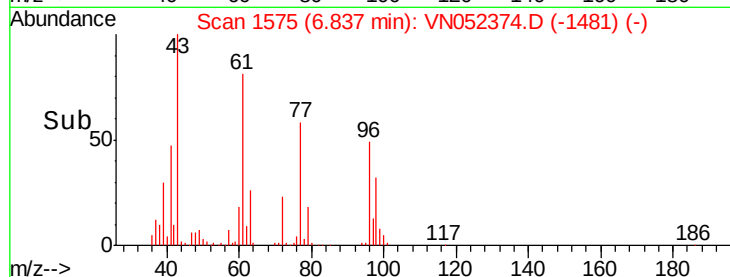
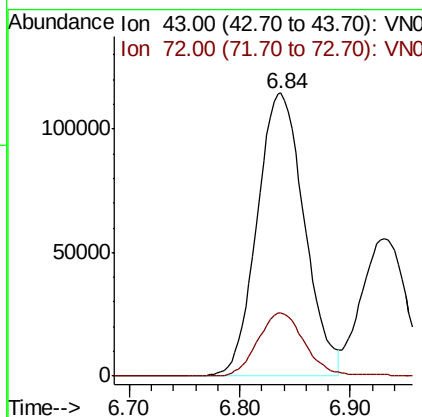
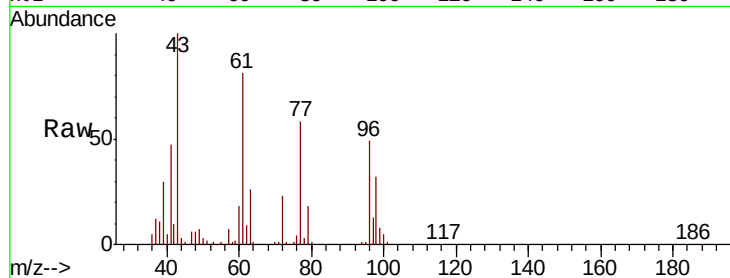




#25
2-Butanone
Concen: 222.757 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

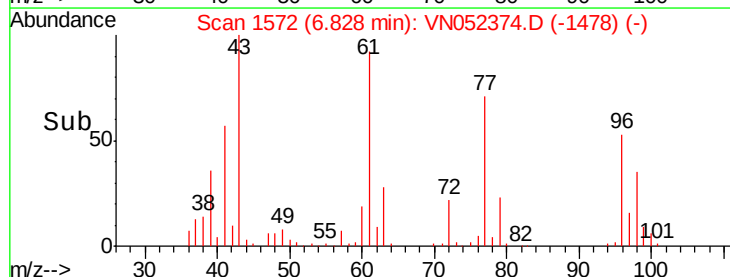
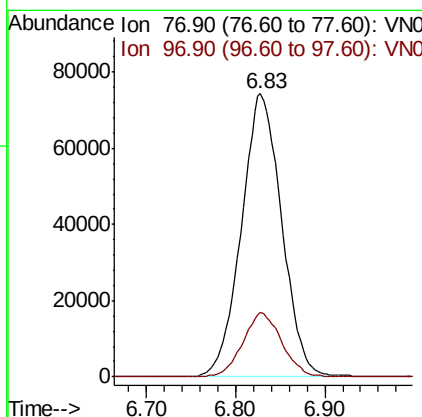
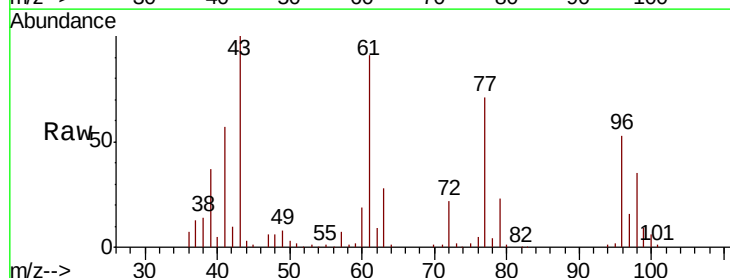
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

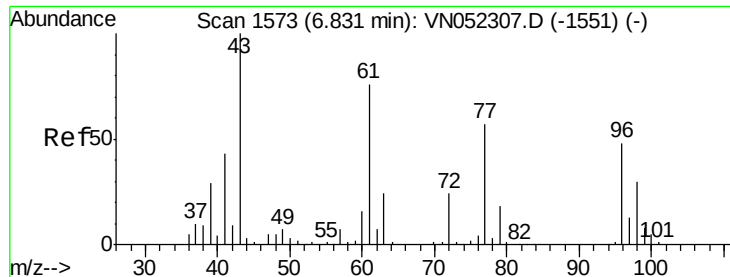
Tot Ion: 43 Resp: 338260
Ion Ratio Lower Upper
43 100
72 22.6 18.6 27.8



#26
2,2-Dichloropropane
Concen: 49.377 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 77 Resp: 232935
Ion Ratio Lower Upper
77 100
97 22.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 47.713 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

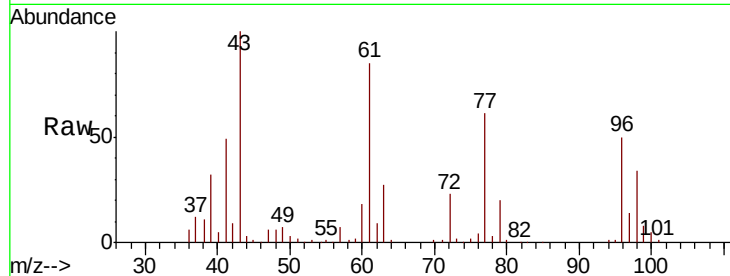
Tot Ion: 96 Resp: 170783

Ion Ratio Lower Upper

96 100

61 167.9 0.0 316.8

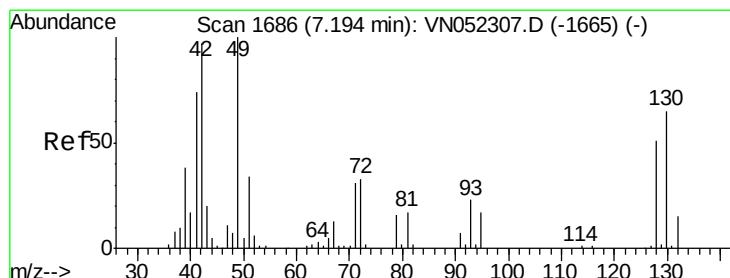
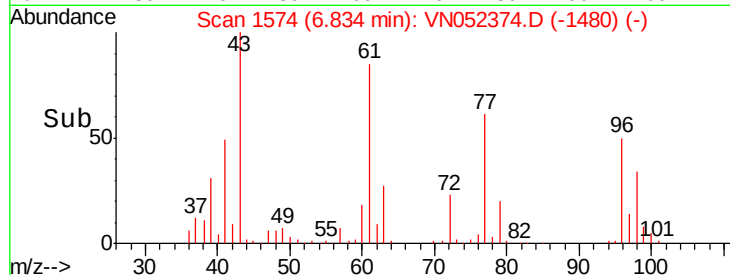
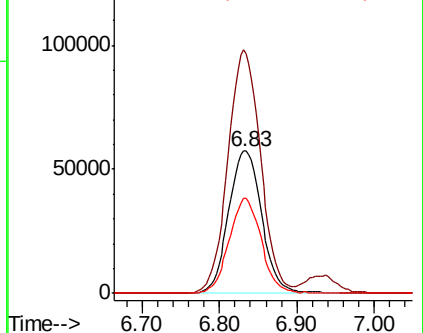
98 64.6 0.0 126.6



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



#28

Bromochloromethane

Concen: 49.254 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

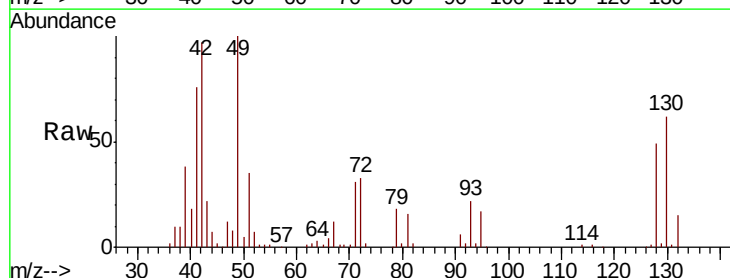
Tgt Ion: 49 Resp: 162478

Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.0

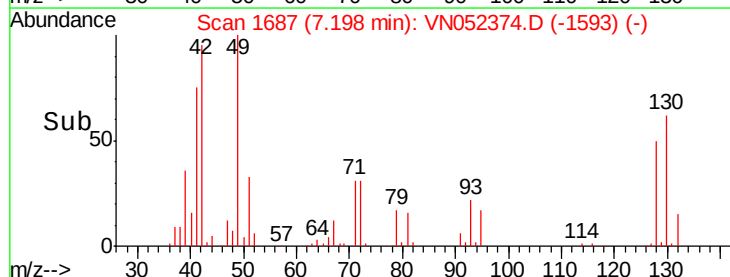
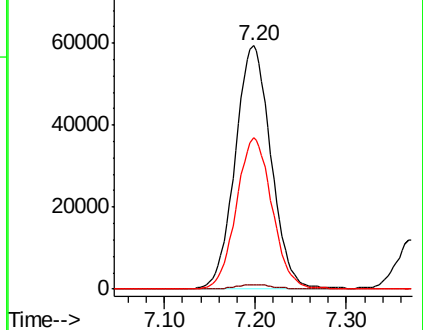
130 62.0 50.4 75.6

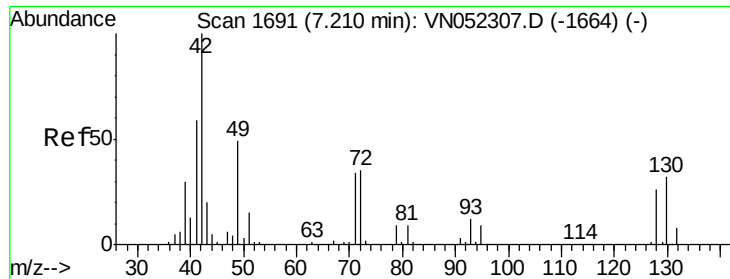


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

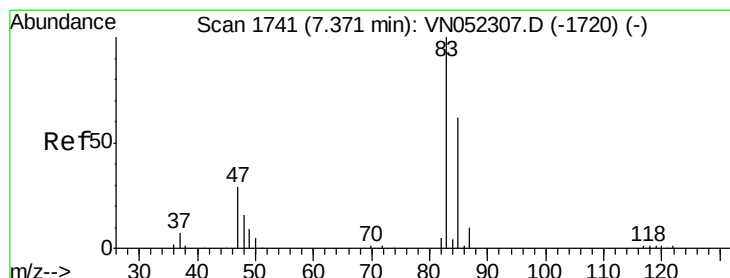
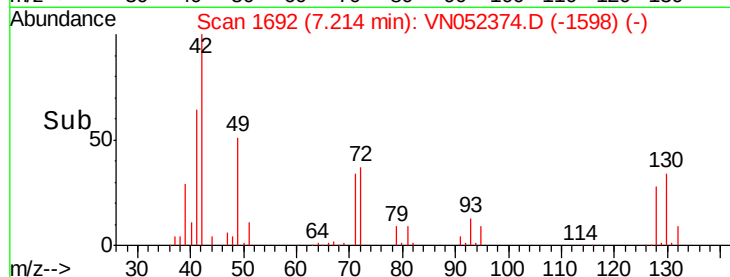
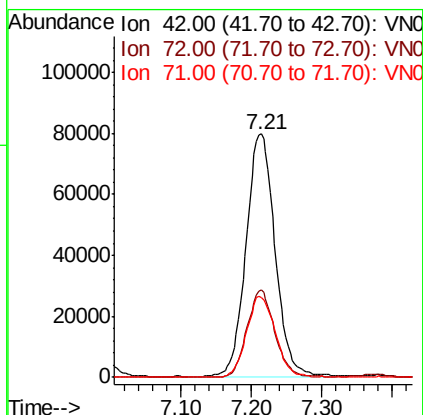
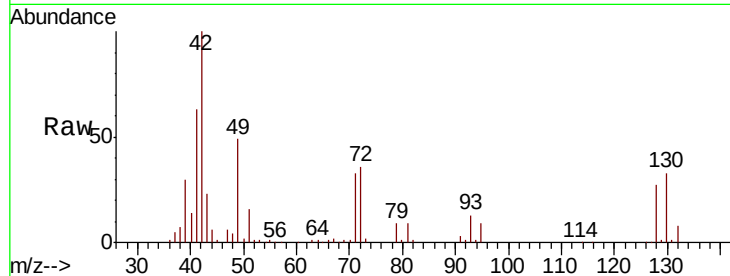




#29
Tetrahydrofuran
Concen: 229.892 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

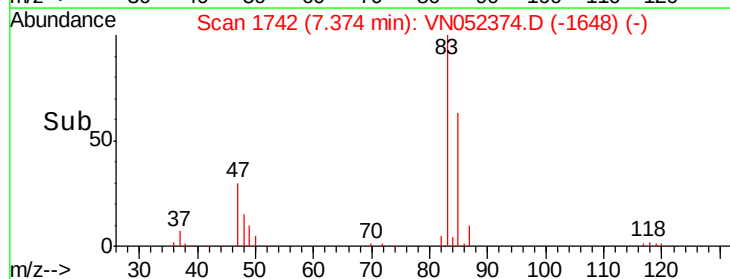
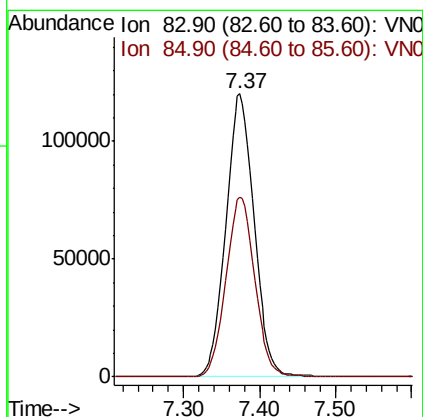
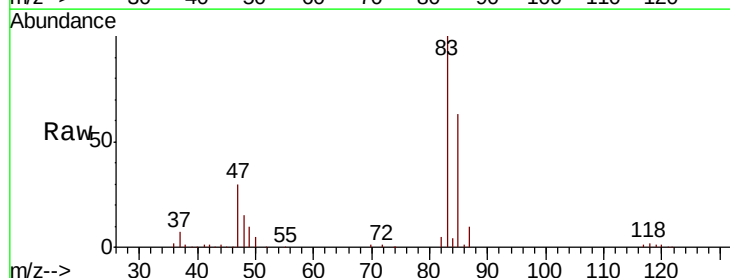
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

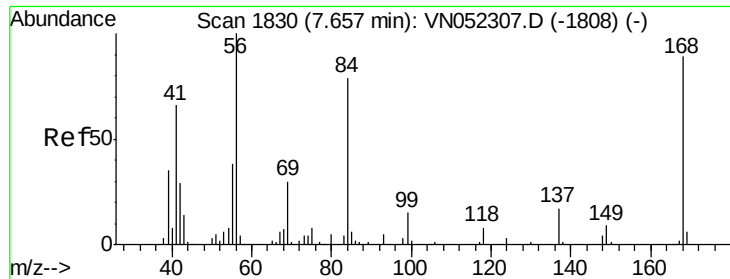
Tot Ion: 42 Resp: 229330
Ion Ratio Lower Upper
42 100
72 34.3 28.6 42.8
71 32.9 26.7 40.1



#30
Chloroform
Concen: 50.959 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 83 Resp: 311572
Ion Ratio Lower Upper
83 100
85 63.5 49.4 74.2

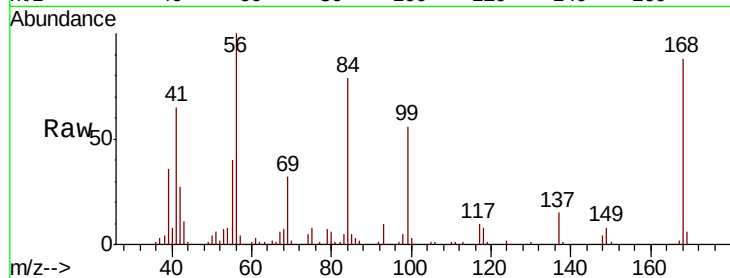




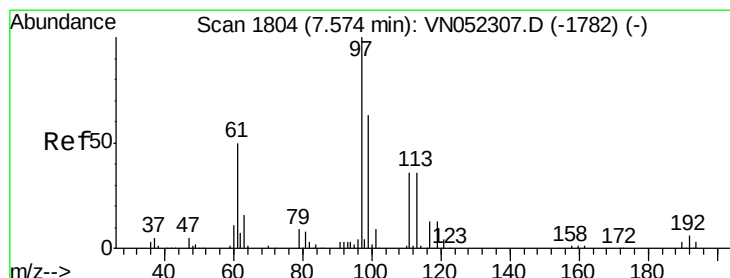
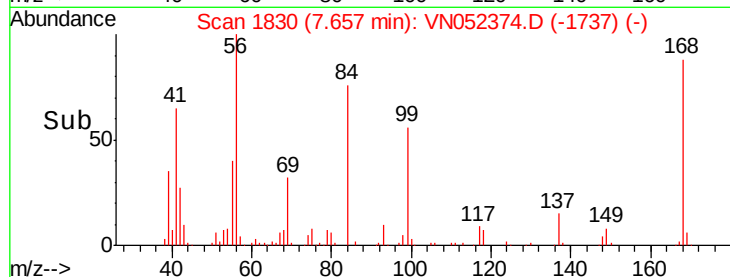
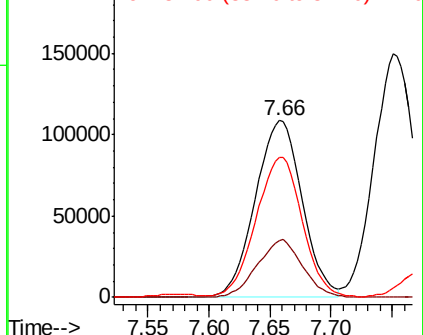
#31
Cyclohexane
Concen: 48.697 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 290235
Ion Ratio Lower Upper
56 100
69 32.5 23.8 35.8
84 78.0 63.0 94.6

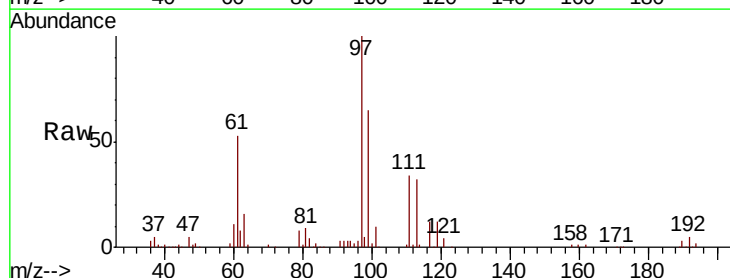


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

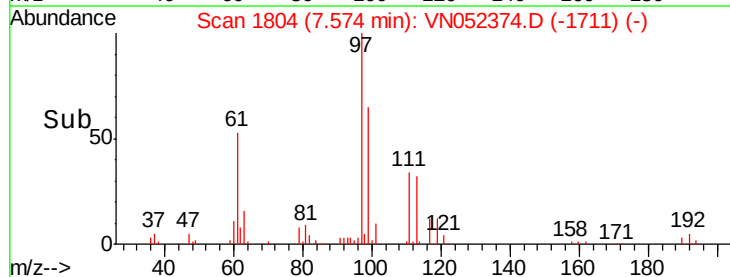
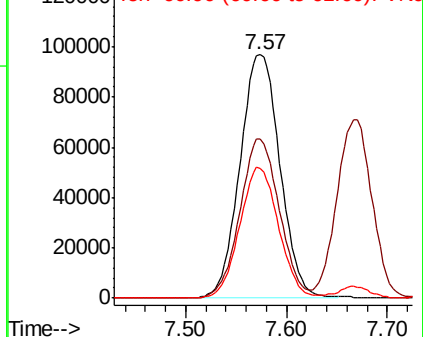


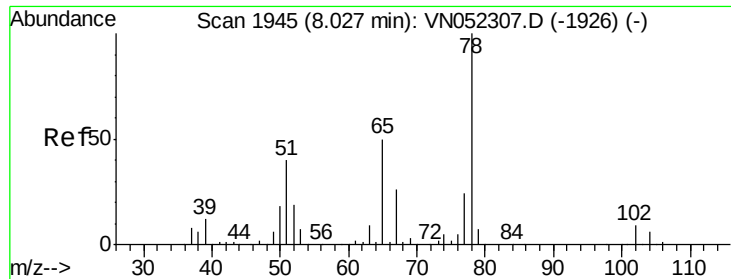
#32
1,1,1-Trichloroethane
Concen: 51.167 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 97 Resp: 266499
Ion Ratio Lower Upper
97 100
99 64.4 50.2 75.2
61 52.2 40.2 60.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

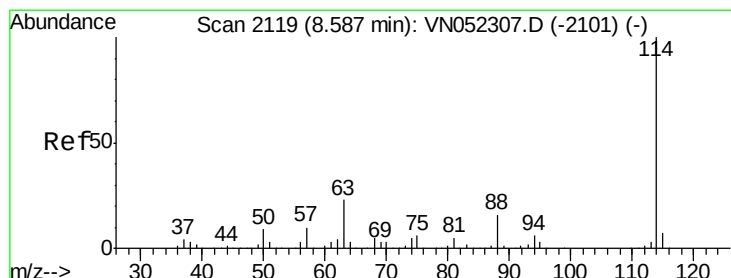
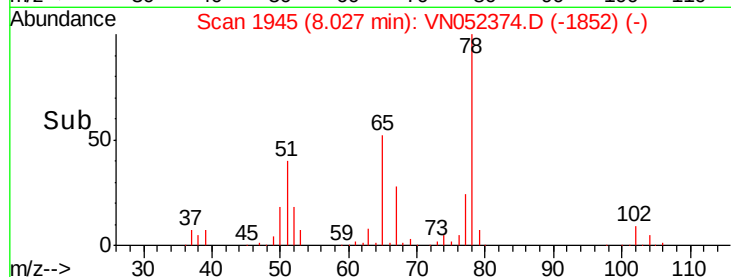
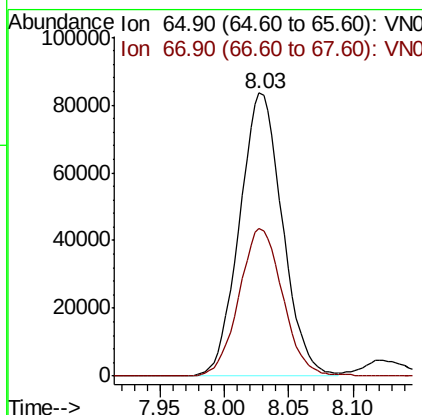
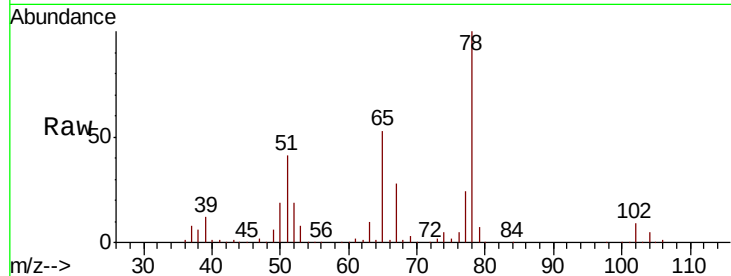




#33
 1,2-Dichloroethane-d4
 Concen: 51.167 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

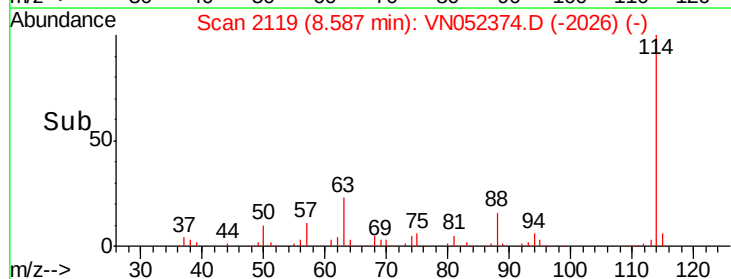
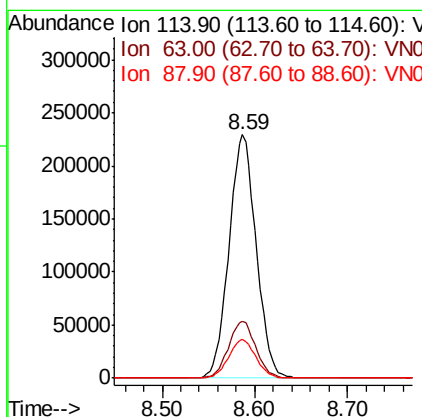
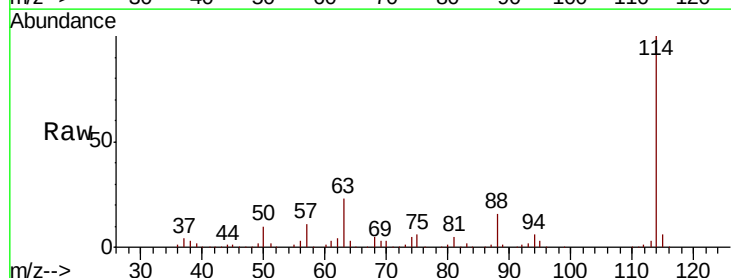
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

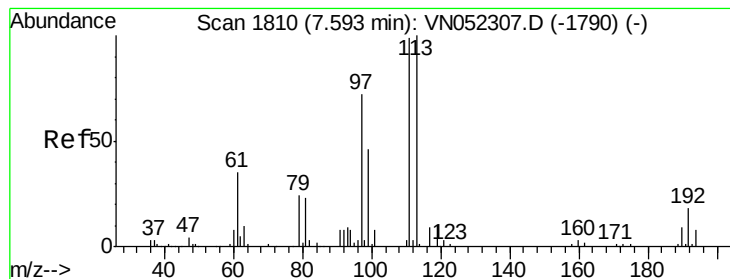
Tot Ion: 65 Resp: 193634
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion: 114 Resp: 465130
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.4
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

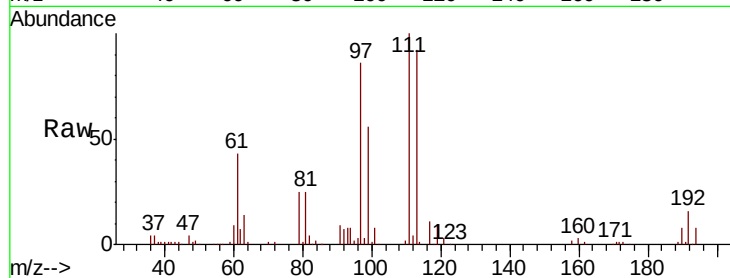
Tot Ion:113 Resp: 151345

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.6

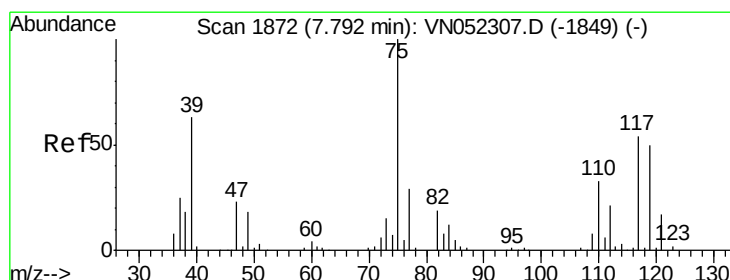
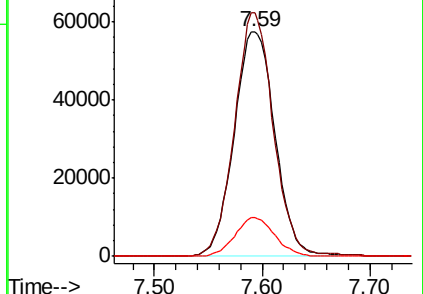
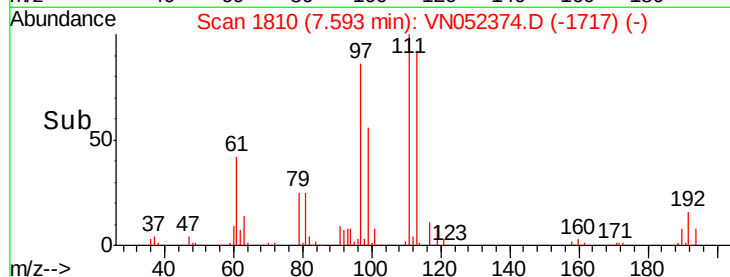
192 16.9 13.8 20.6



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: 51.095 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

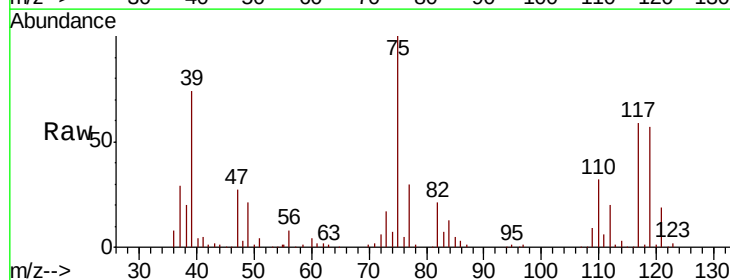
Tgt Ion: 75 Resp: 238204

Ion Ratio Lower Upper

75 100

110 32.5 16.5 49.5

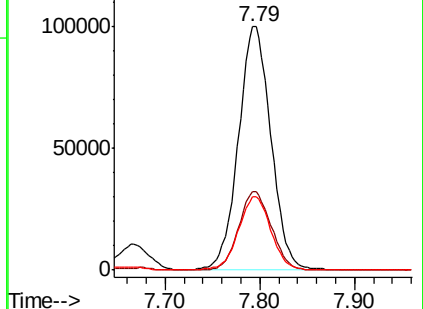
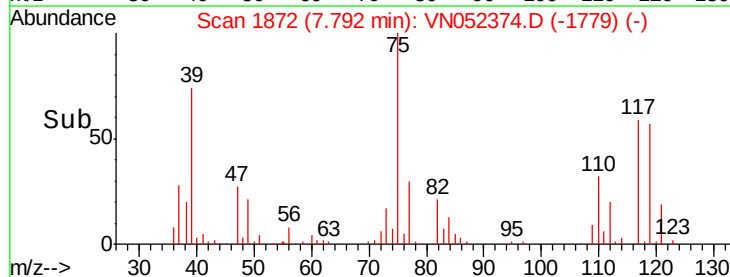
77 30.4 24.2 36.2

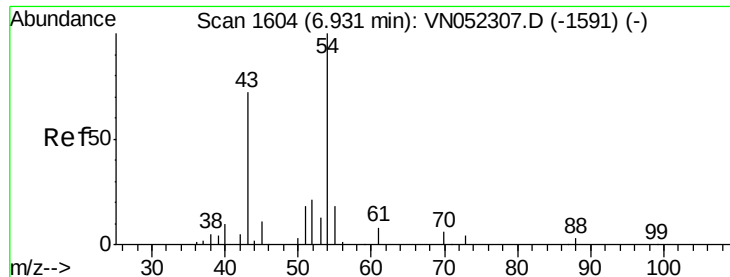


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

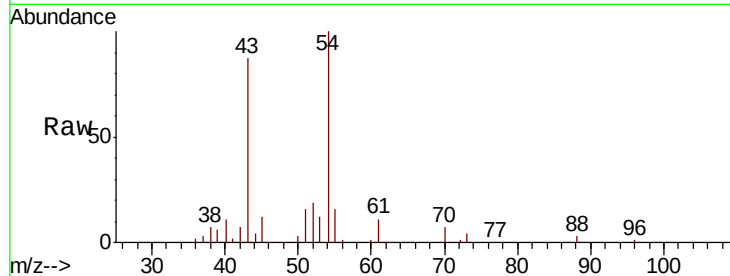




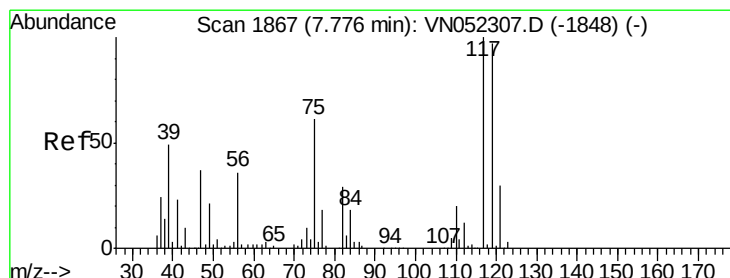
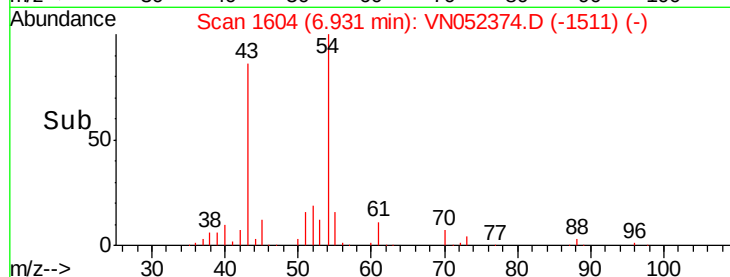
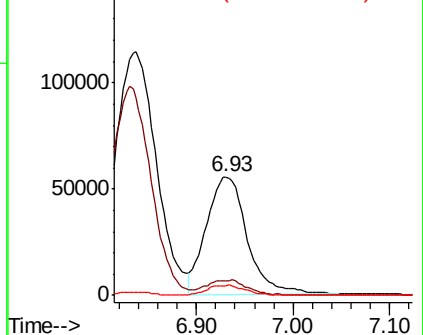
#37
Ethyl Acetate
Concen: 47.698 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 161384
Ion Ratio Lower Upper
43 100
61 11.4 10.3 15.5
70 8.2 5.6 8.4

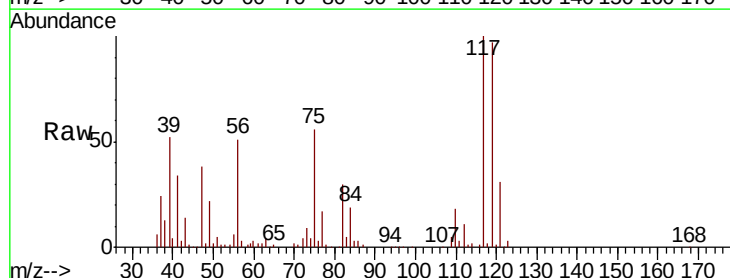


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

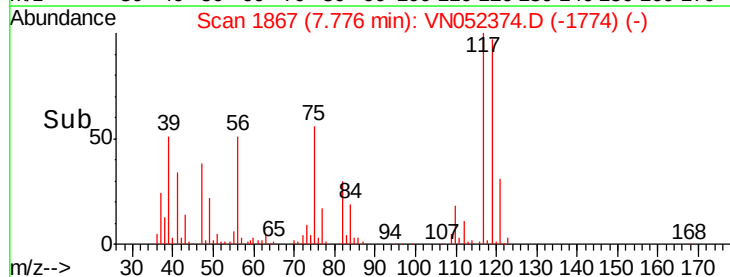
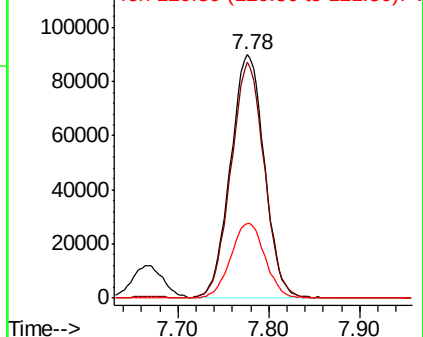


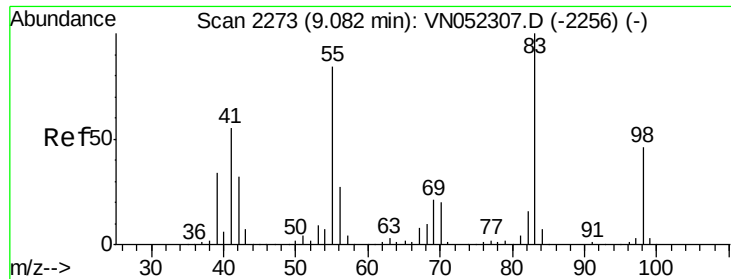
#38
Carbon Tetrachloride
Concen: 54.445 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 117 Resp: 233195
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0
121 30.9 24.0 36.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

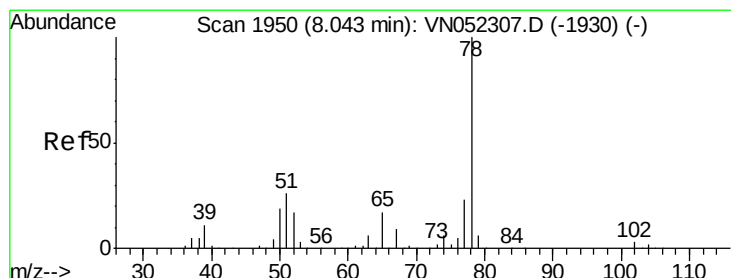
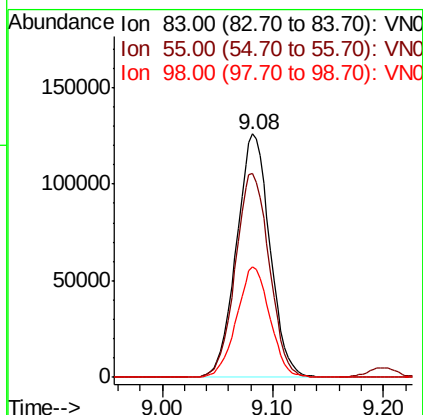
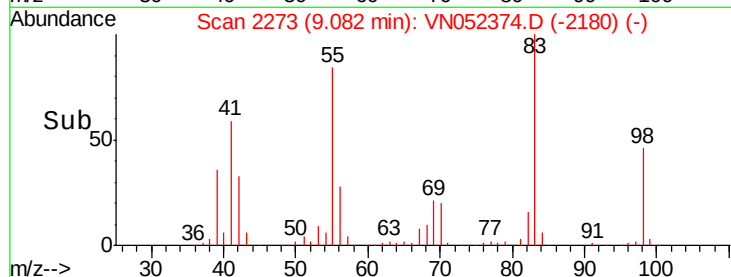
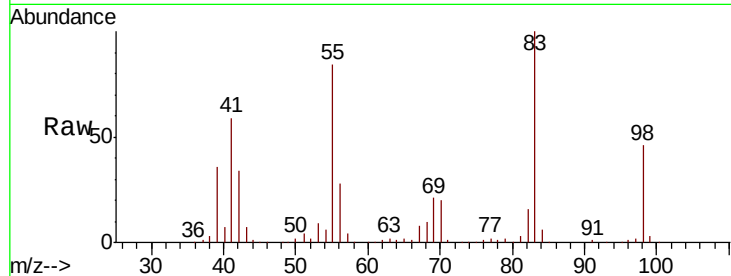




#39
Methylvlcyclohexane
Concen: 49.583 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

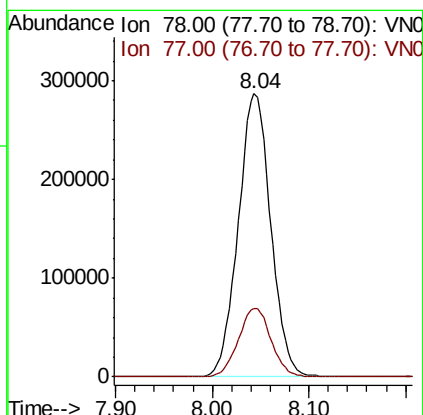
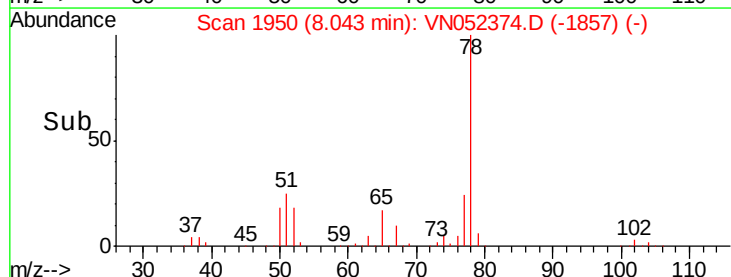
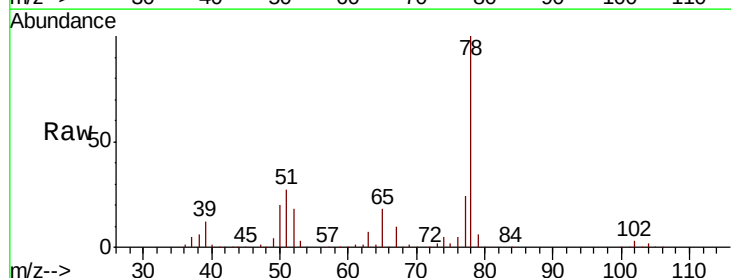
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

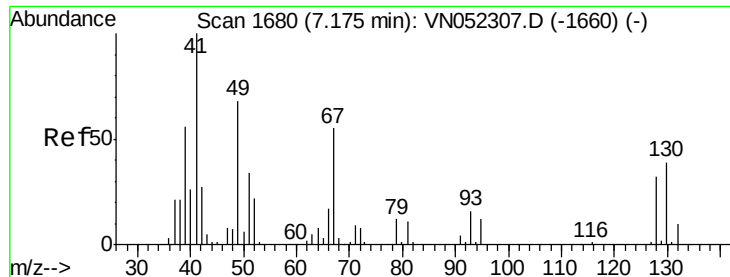
Tot Ion: 83 Resp: 263883
Ion Ratio Lower Upper
83 100
55 83.6 66.8 100.2
98 45.6 36.4 54.6



#40
Benzene
Concen: 50.250 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 78 Resp: 669241
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1





#41

Methacrylonitrile

Concen: 49.162 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 92256

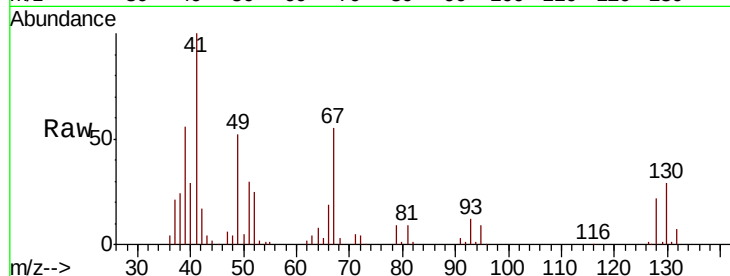
Ion Ratio Lower Upper

41 100

39 60.0 0.0 0.0#

67 68.3 0.0 0.0#

52 30.9 0.0 0.0#



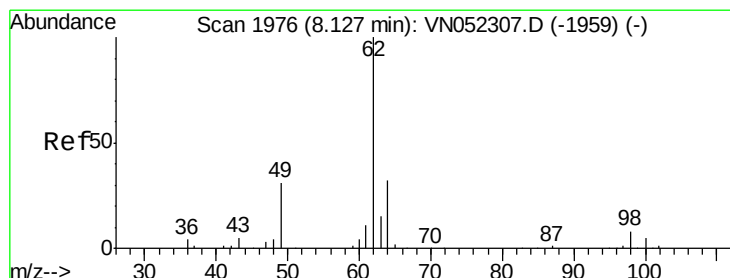
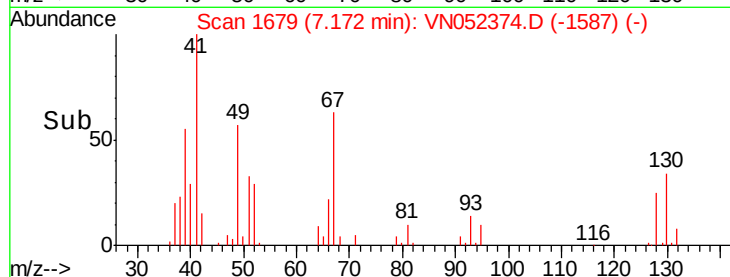
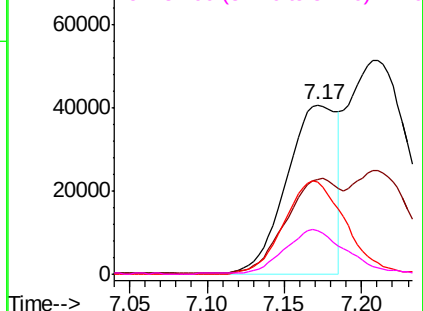
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 52.826 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052374.D

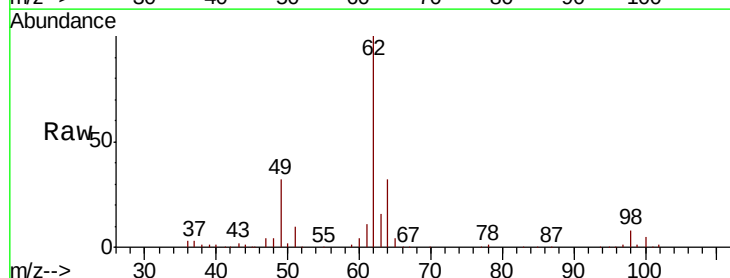
Acq: 16 Nov 2018 19:26

Tgt Ion: 62 Resp: 250880

Ion Ratio Lower Upper

62 100

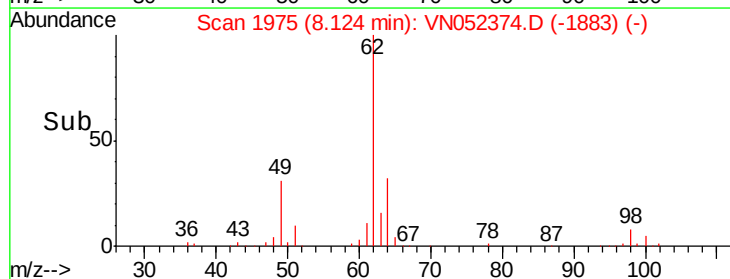
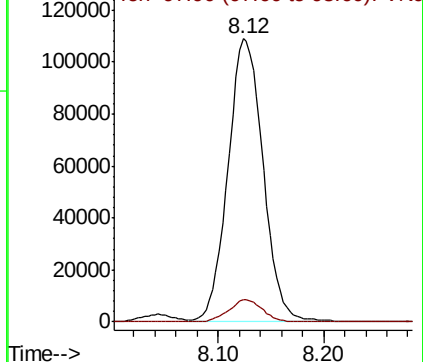
98 7.7 0.0 15.6

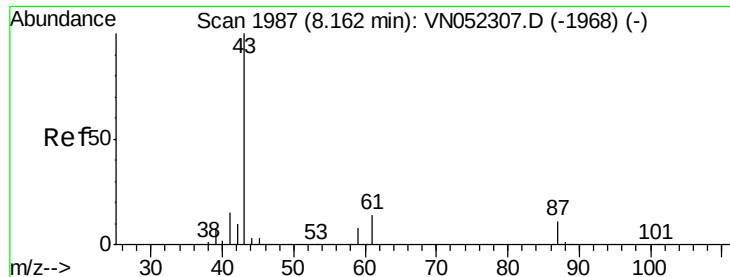


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 48.499 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

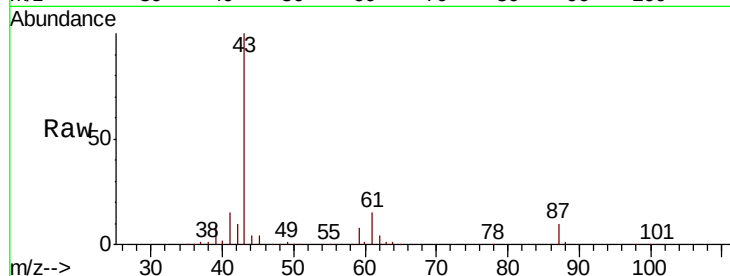
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 316642

Ion	Ratio	Lower	Upper
43	100		
61	24.3	12.0	18.0#
87	9.7	8.3	12.5

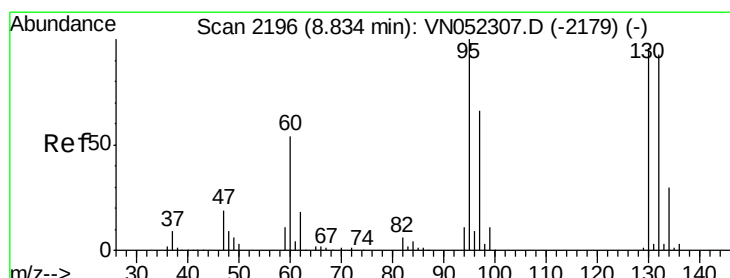
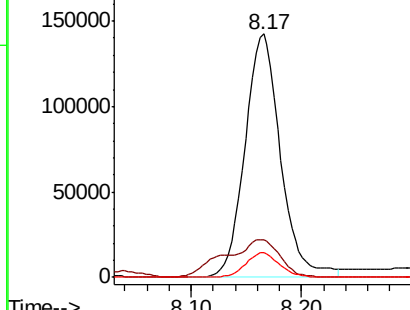
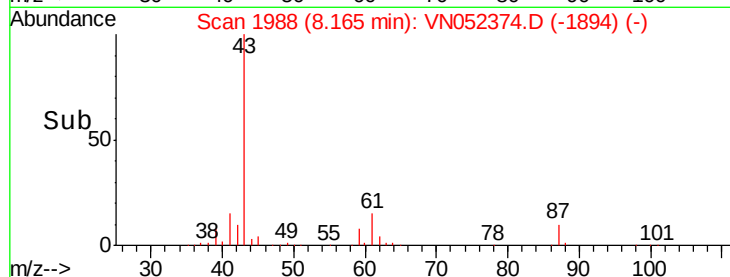


Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 51.400 ug/l

RT: 8.84 min Scan# 2197

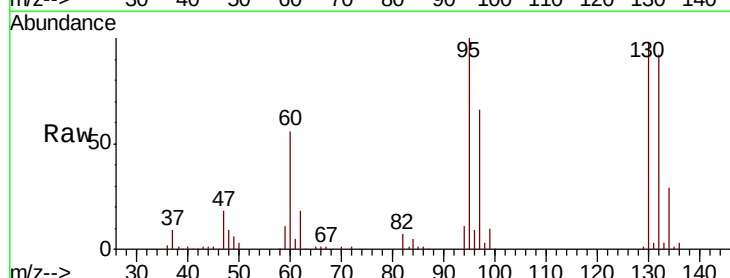
Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Tgt Ion: 130 Resp: 168626

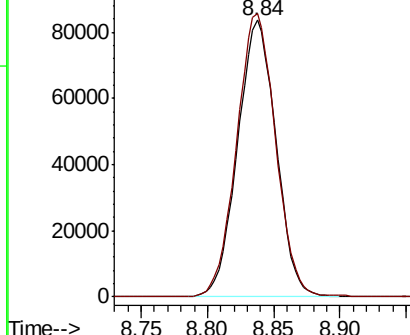
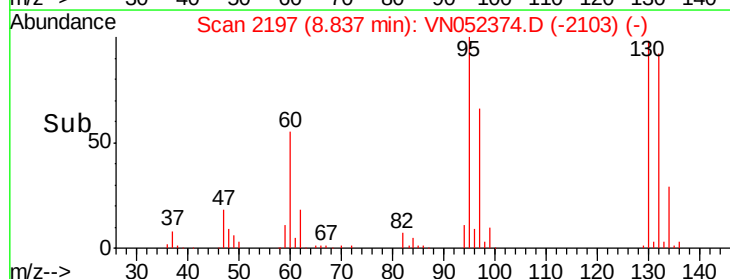
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	208.4

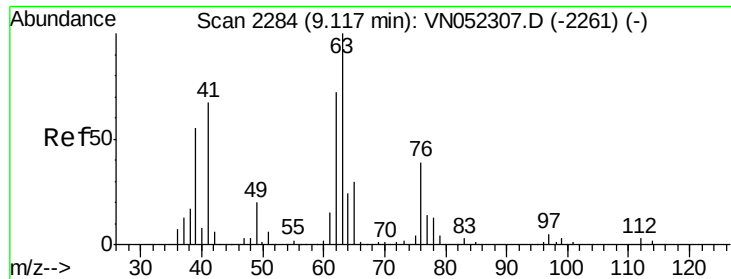


Abundance Ion 129.80 (129.50 to 130.50): VN052307.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052307.D (-2179) (-)

Time-->

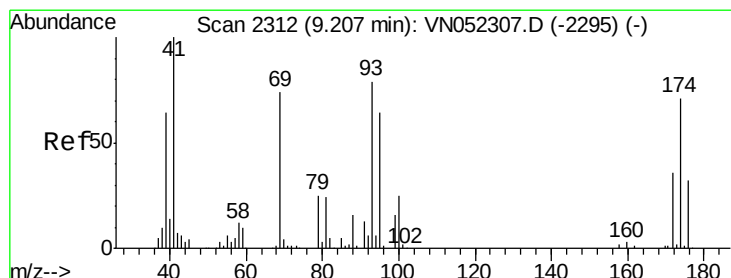
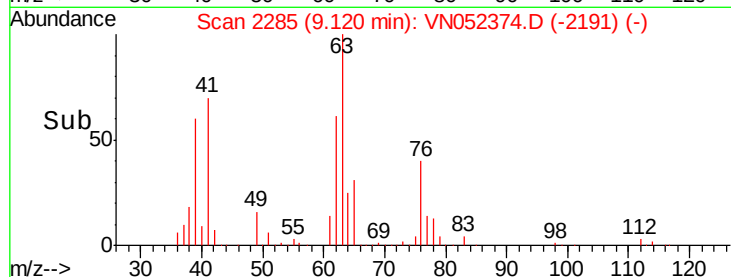
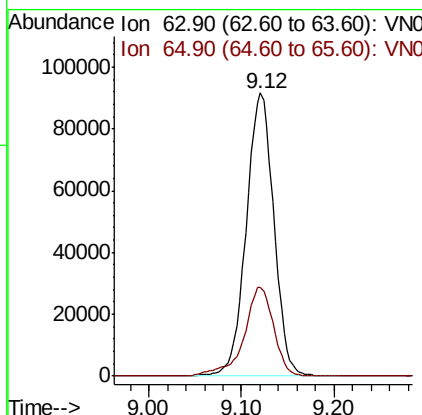
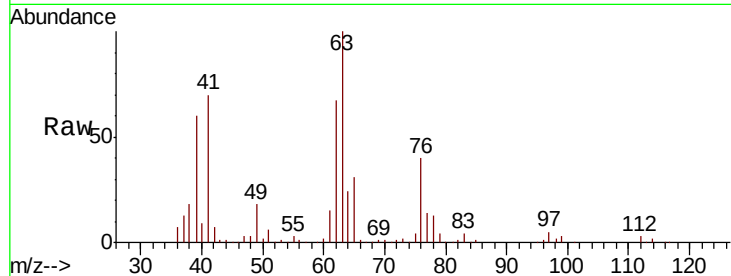




#45
 1,2-Dichloropropane
 Concen: 50.078 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

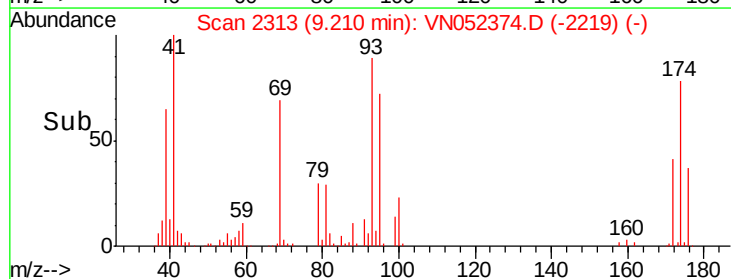
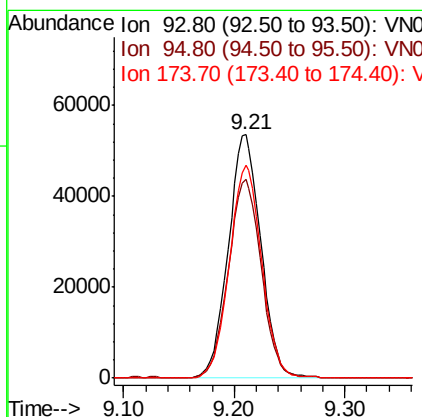
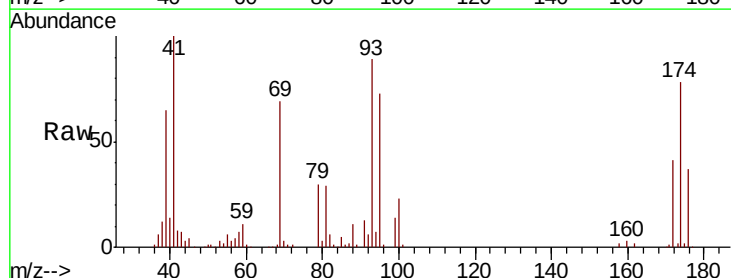
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

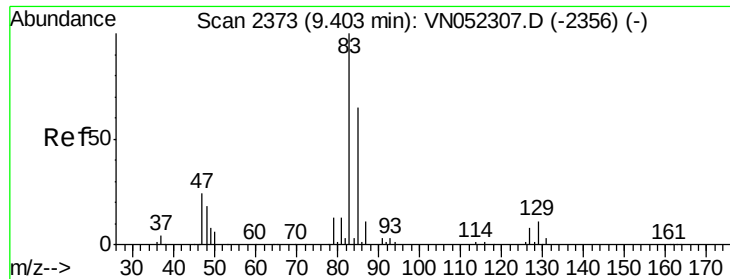
Tot Ion: 63 Resp: 189278
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.2 36.4



#46
 Dibromomethane
 Concen: 50.130 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion: 93 Resp: 109687
 Ion Ratio Lower Upper
 93 100
 95 82.6 64.2 96.2
 174 86.6 70.9 106.3





#47

Bromodichloromethane

Concen: 52.892 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

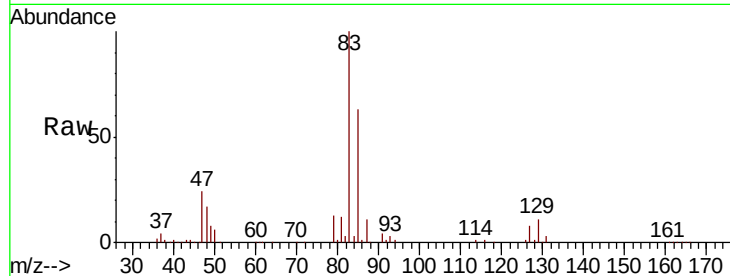
Tot Ion: 83 Resp: 237491

Ion Ratio Lower Upper

83 100

85 63.5 52.2 78.4

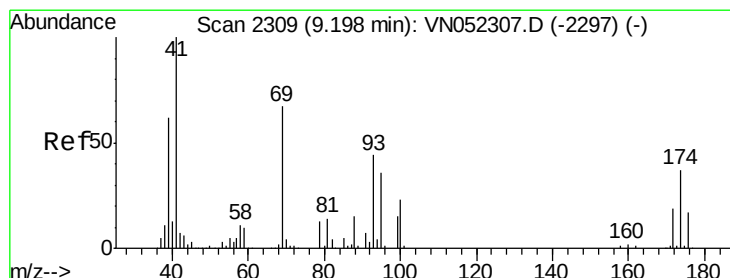
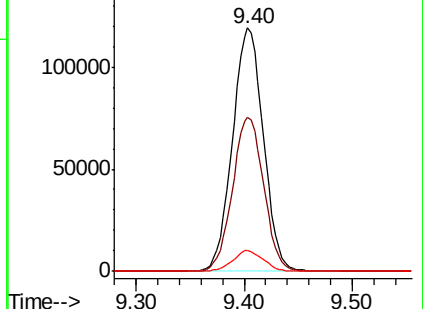
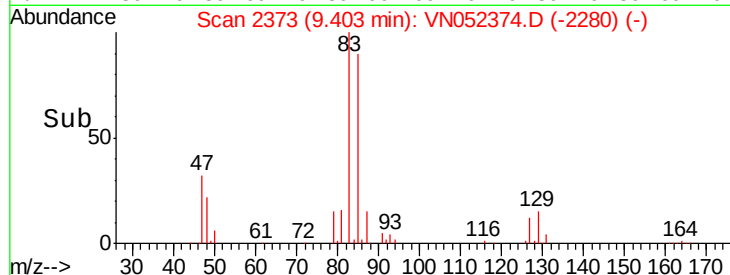
127 8.5 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN052374.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052374.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052374.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.259 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

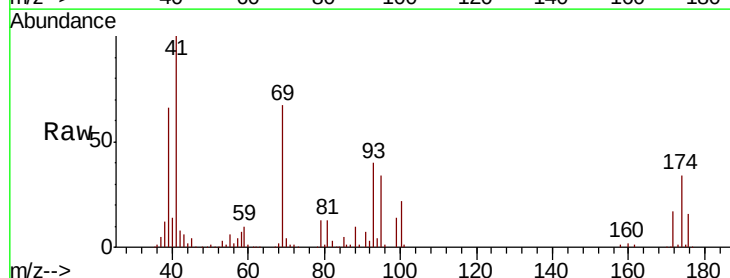
Tgt Ion: 41 Resp: 159876

Ion Ratio Lower Upper

41 100

69 69.3 57.1 85.7

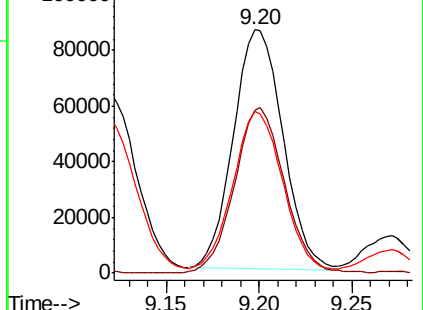
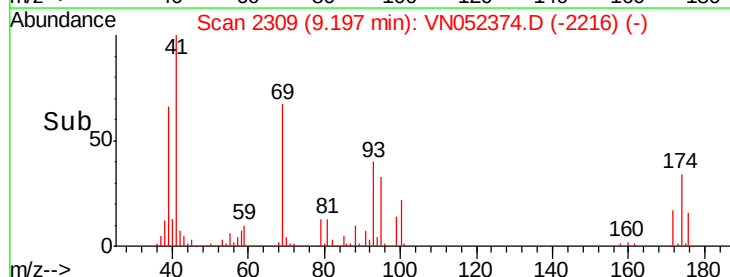
39 68.4 52.5 78.7

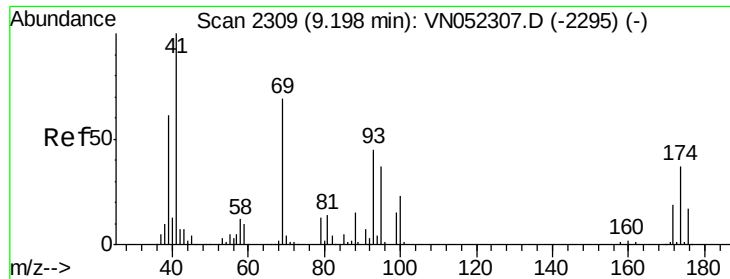


Abundance Ion 41.00 (40.70 to 41.70): VN052374.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052374.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052374.D (-2216) (-)

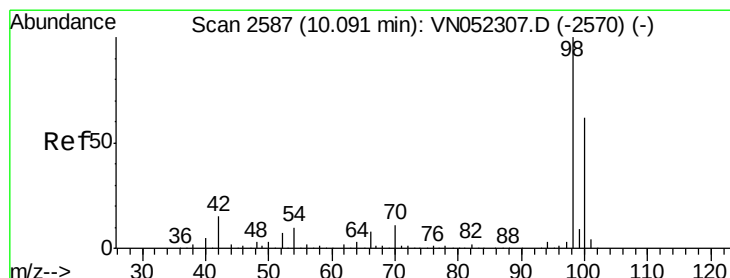
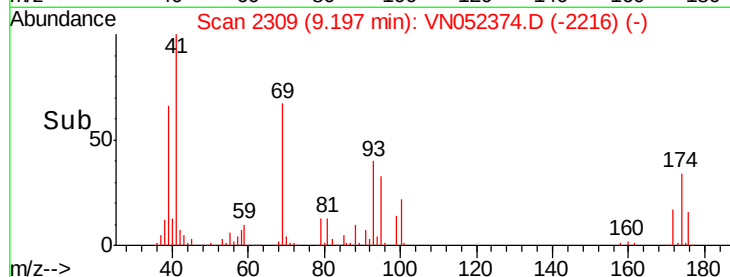
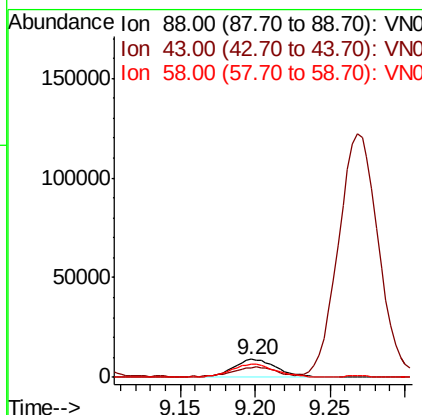
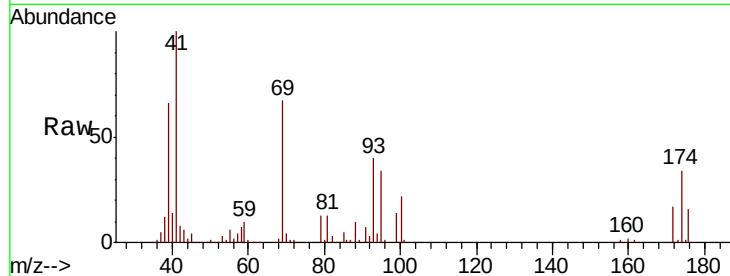




#49
1,4-Dioxane
Concen: 742.868 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

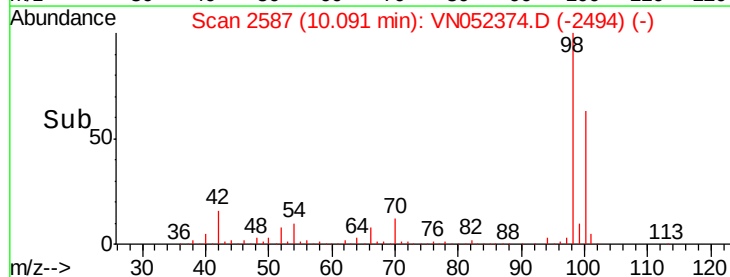
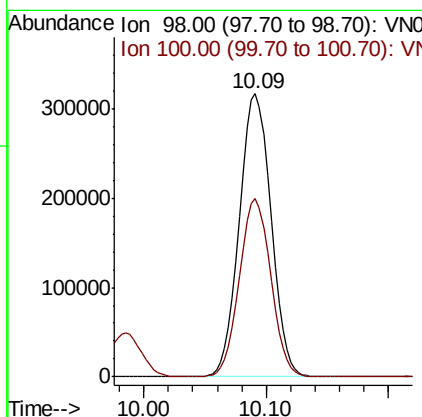
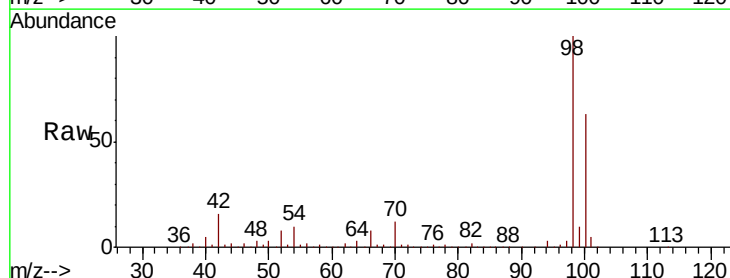
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

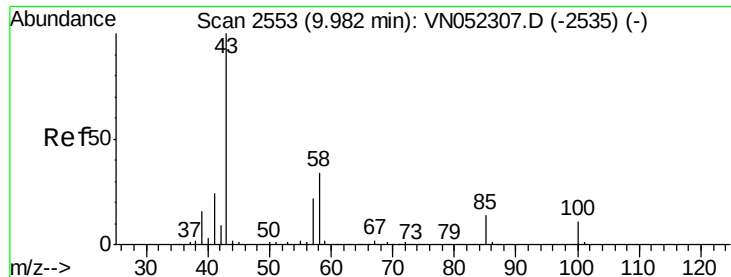
Tot Ion: 88 Resp: 18892
Ion Ratio Lower Upper
88 100
43 50.7 33.3 49.9#
58 74.9 59.2 88.8



#50
Toluene-d8
Concen: 742.868 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 98 Resp: 570034
Ion Ratio Lower Upper
98 100
100 62.1 49.5 74.3





#51

4-Methyl-2-Pentanone

Concen: 250.639 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

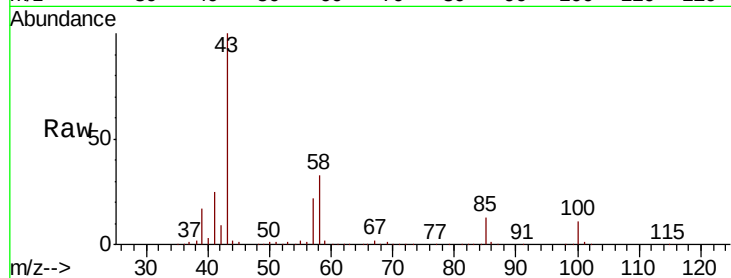
VSTDCCC050EC

Tot Ion: 43 Resp: 823706

Ion Ratio Lower Upper

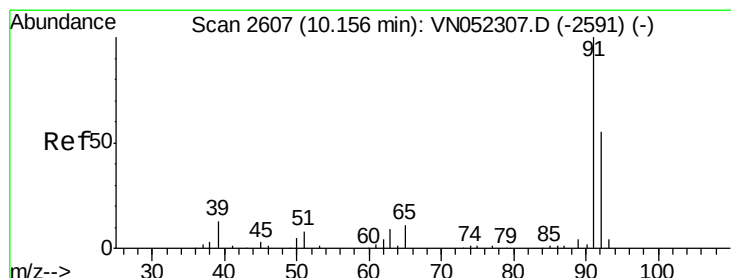
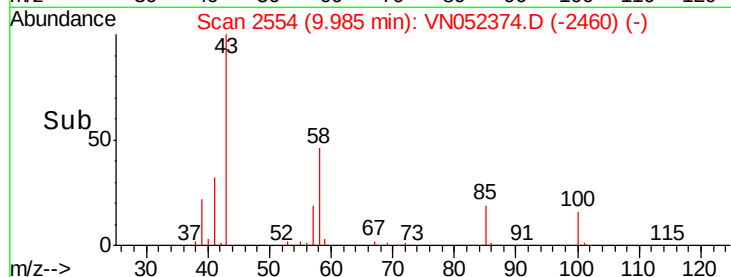
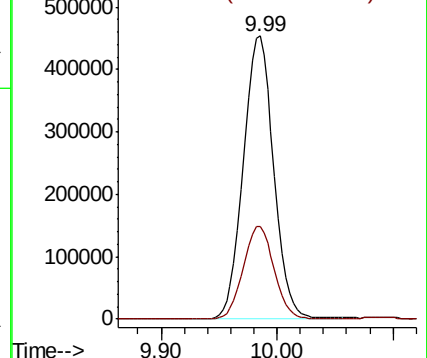
43 100

58 33.3 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.020 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052374.D

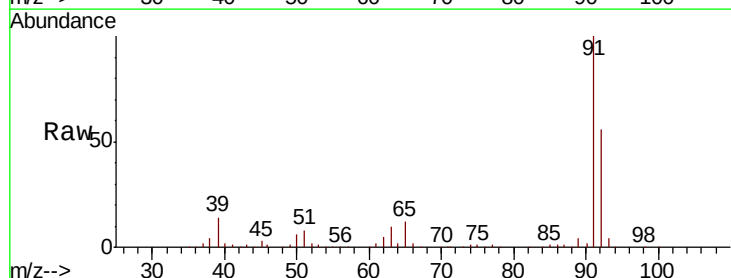
Acq: 16 Nov 2018 19:26

Tgt Ion: 92 Resp: 406490

Ion Ratio Lower Upper

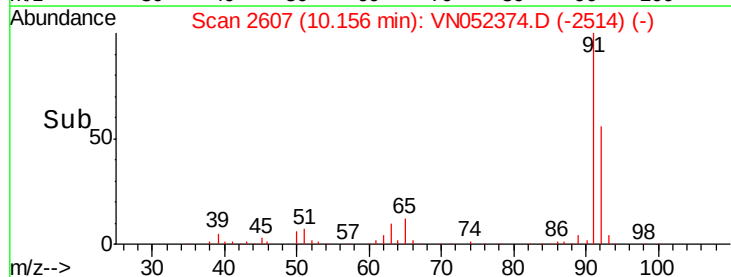
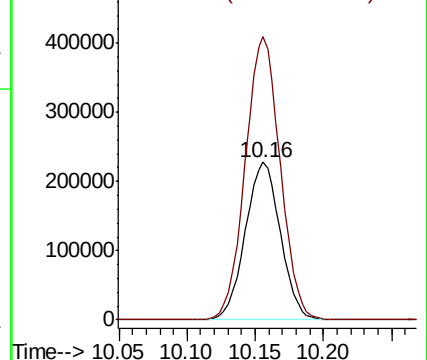
92 100

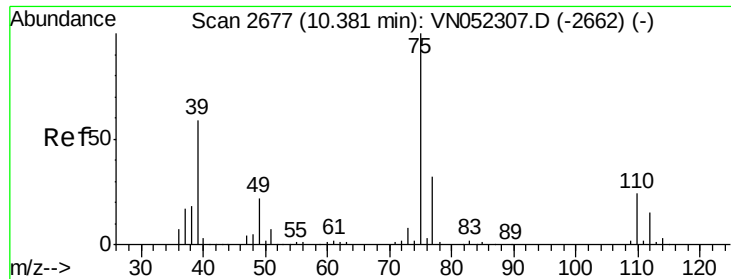
91 179.2 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

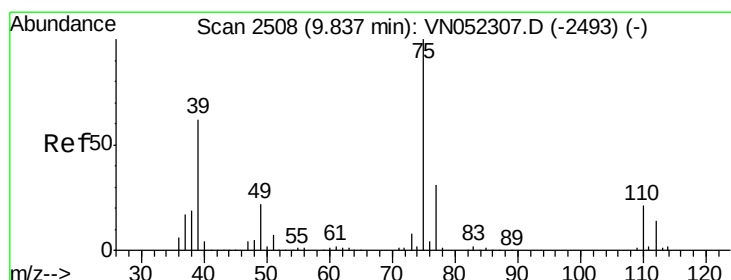
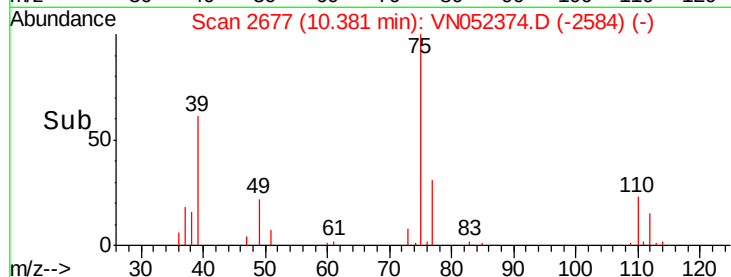
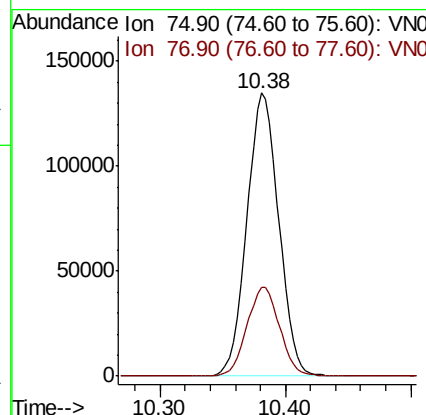
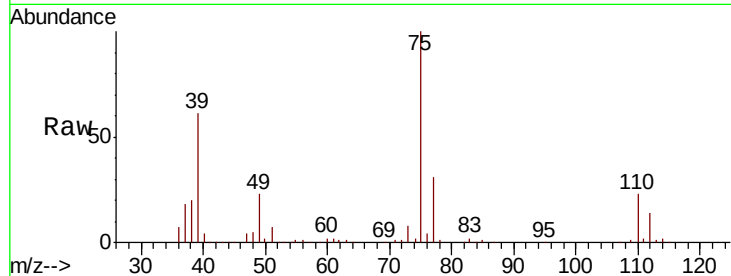




#53
 t-1,3-Dichloropropene
 Concen: 52.631 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

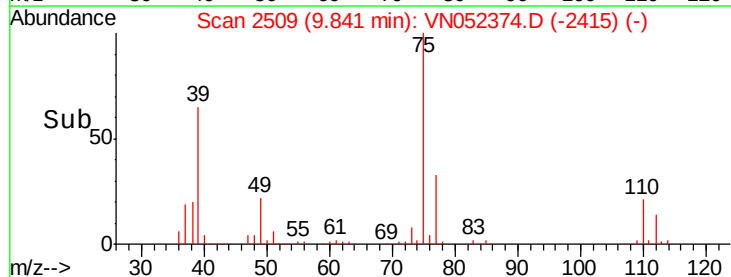
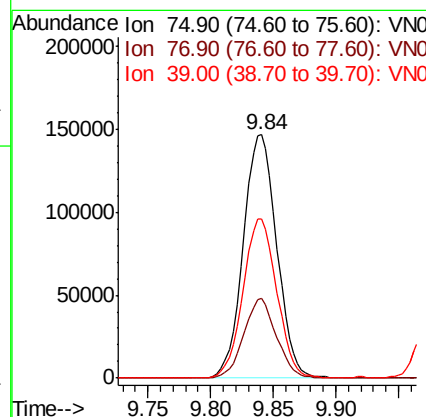
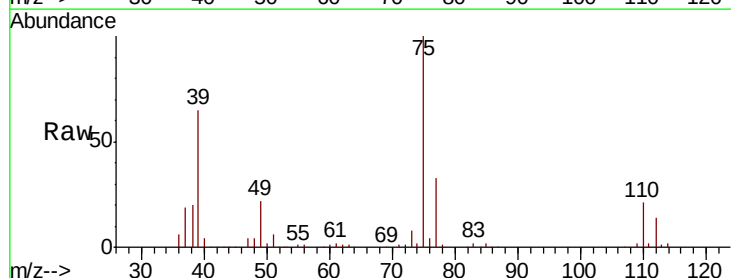
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

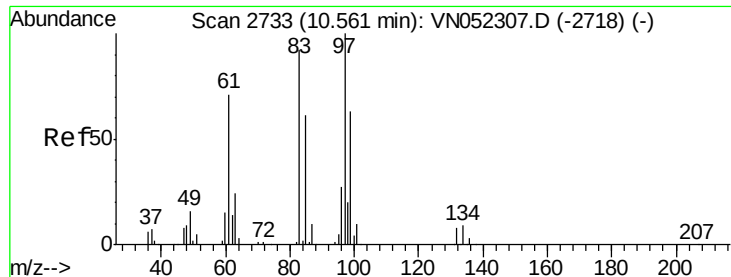
Tot Ion: 75 Resp: 238338
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 52.763 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion: 75 Resp: 272378
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.6 36.8
 39 65.1 49.9 74.9





#55

1,1,2-Trichloroethane

Concen: 50.145 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 144830

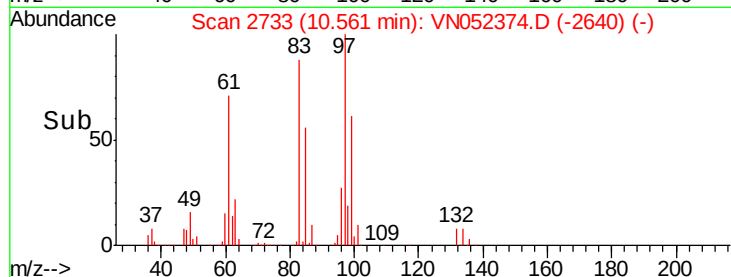
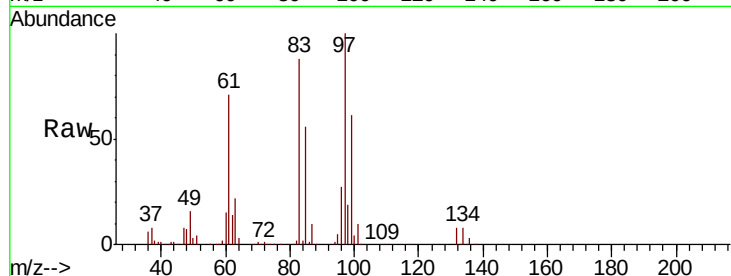
Ion	Ratio	Lower	Upper
97	100		
83	87.7	73.8	110.6
85	55.9	49.0	73.4
99	60.8	50.5	75.7

97 100

83 87.7 73.8 110.6

85 55.9 49.0 73.4

99 60.8 50.5 75.7



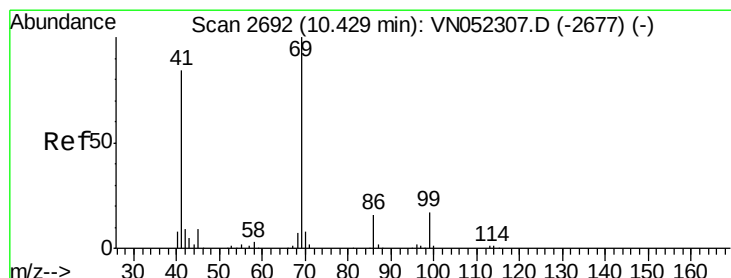
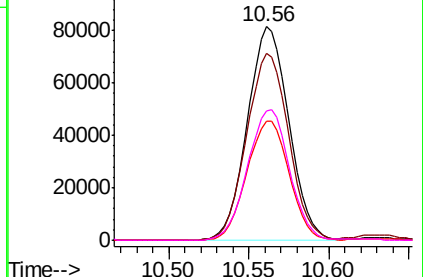
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.699 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

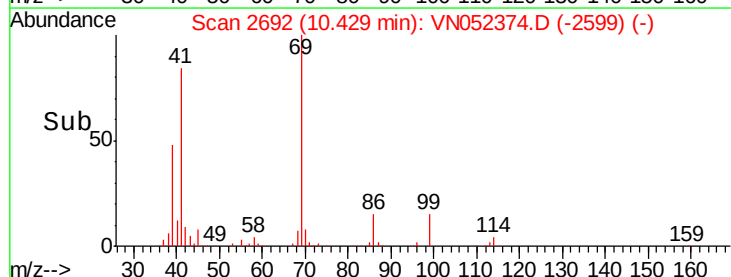
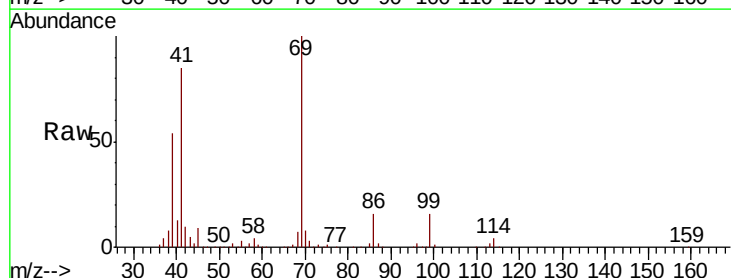
Tgt Ion: 69 Resp: 196372

Ion	Ratio	Lower	Upper
69	100		
41	84.4	64.8	97.2
39	53.3	41.0	61.6

69 100

41 84.4 64.8 97.2

39 53.3 41.0 61.6

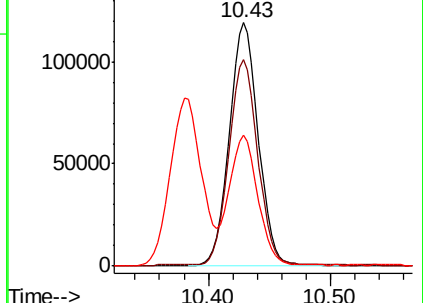


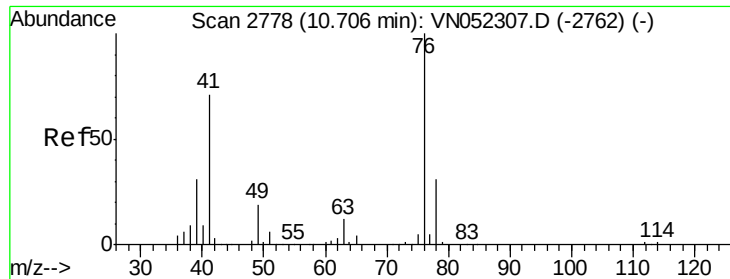
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

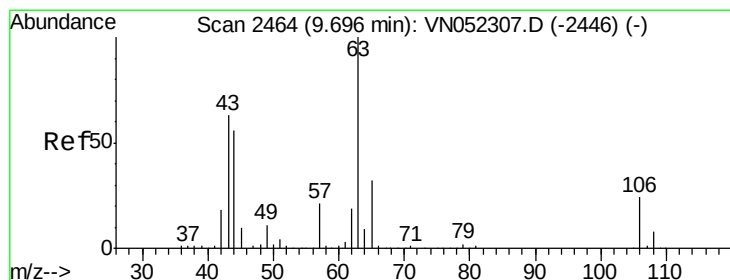
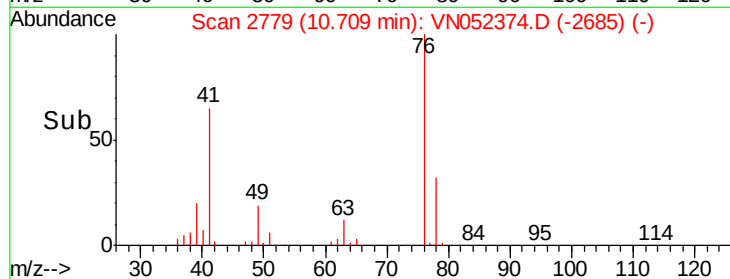
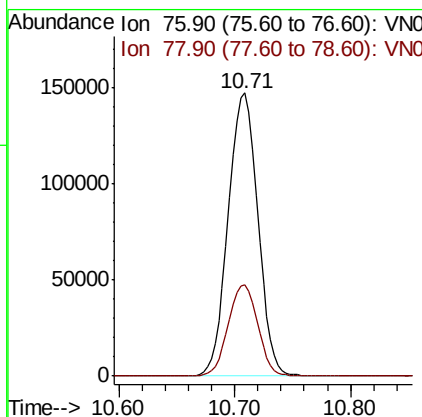
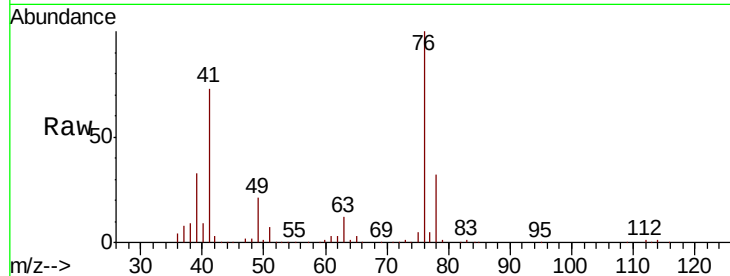




#57
 1,3-Dichloropropane
 Concen: 51.109 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

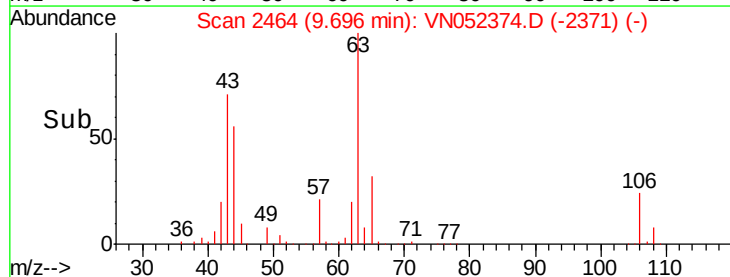
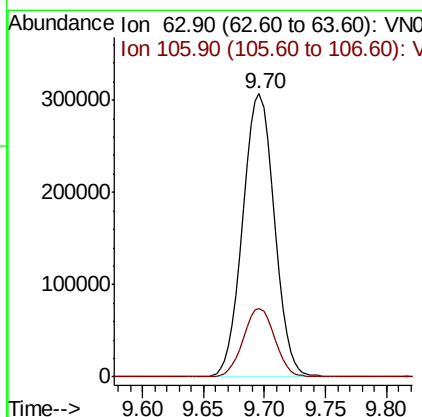
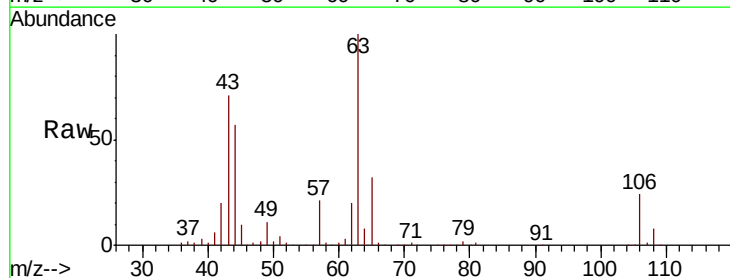
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

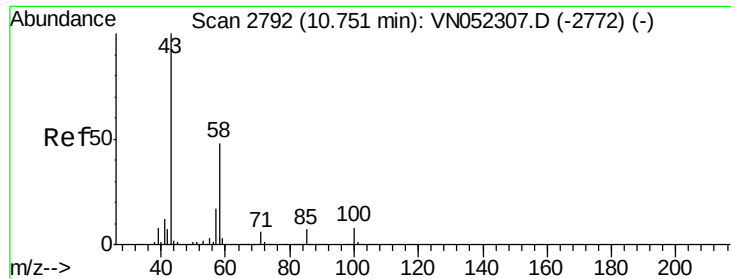
Tot Ion: 76 Resp: 261464
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.067 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion: 63 Resp: 549424
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.3 28.9

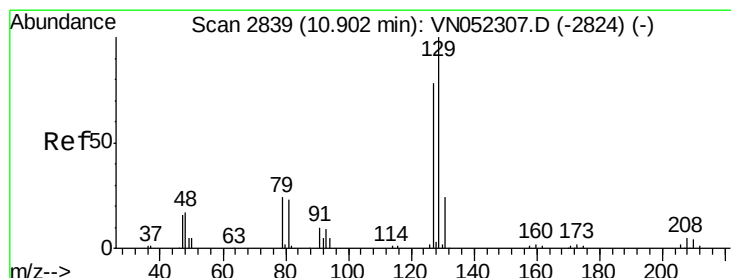
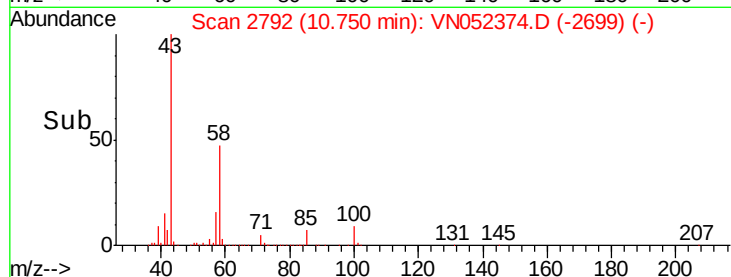
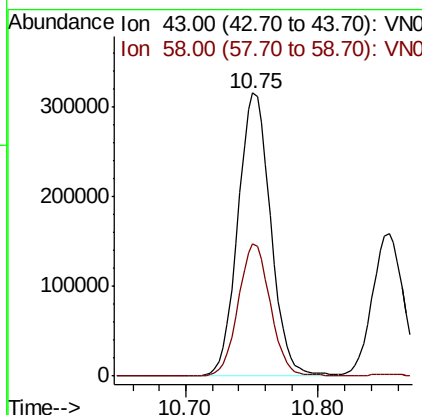
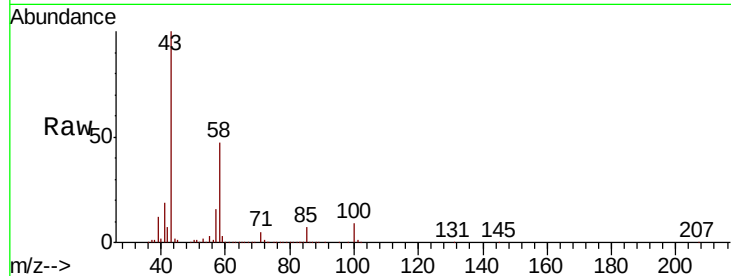




#59
2-Hexanone
Concen: 238.778 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

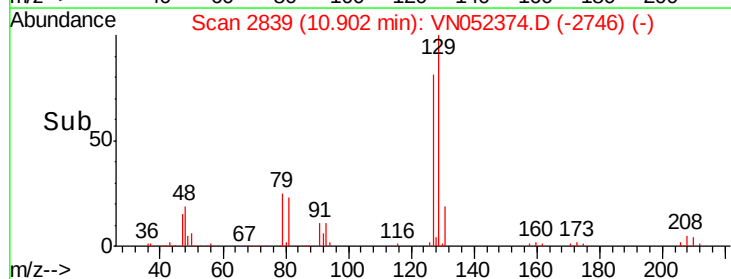
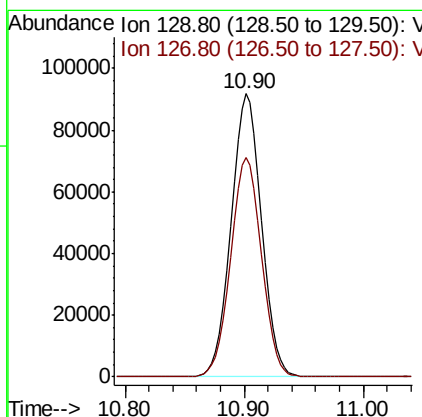
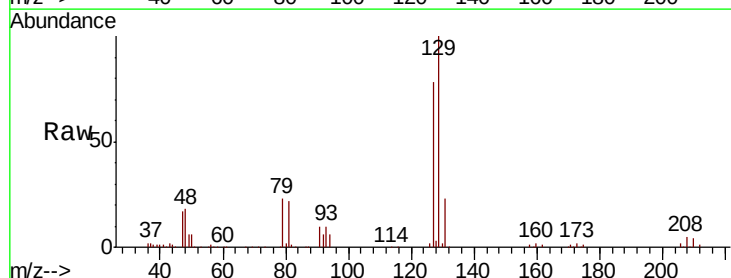
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

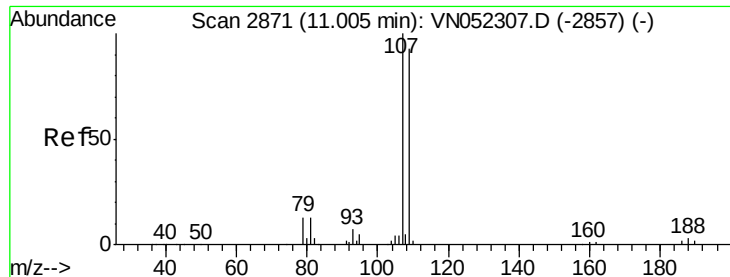
Tot Ion: 43 Resp: 539760
Ion Ratio Lower Upper
43 100
58 46.1 23.5 70.6



#60
Dibromochloromethane
Concen: 51.866 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 129 Resp: 162074
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.5

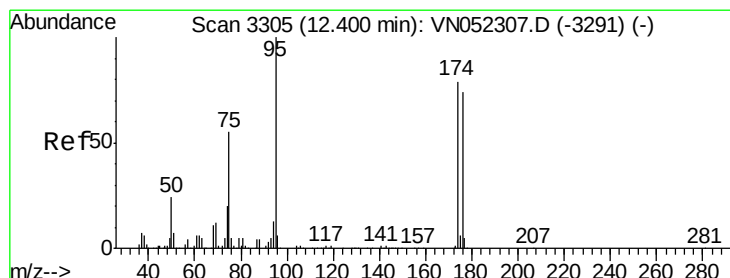
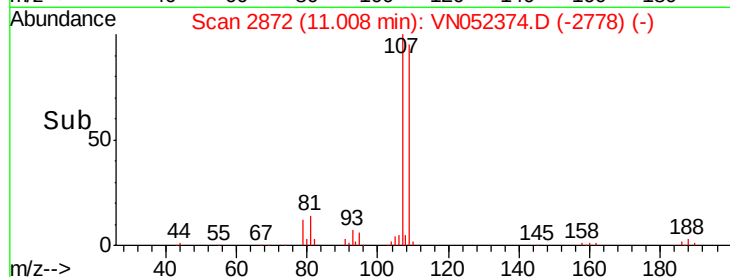
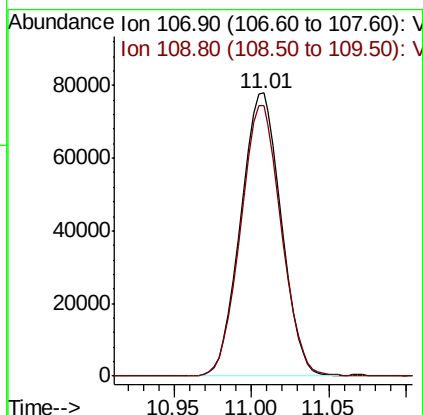
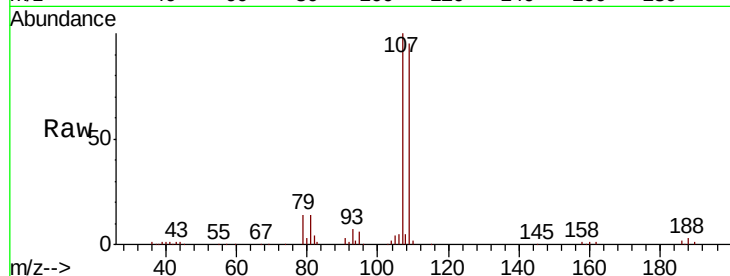




#61
 1,2-Dibromoethane
 Concen: 49.377 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

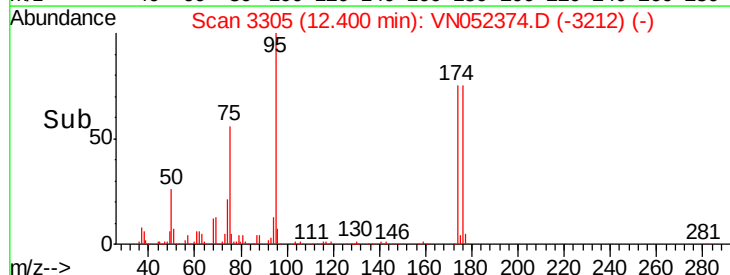
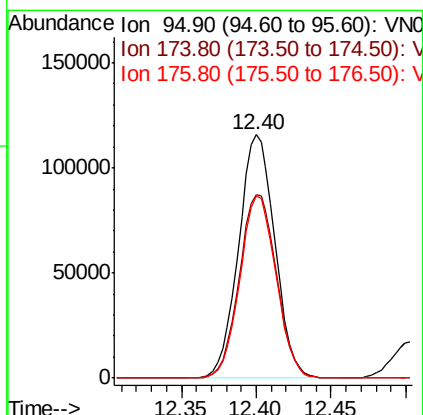
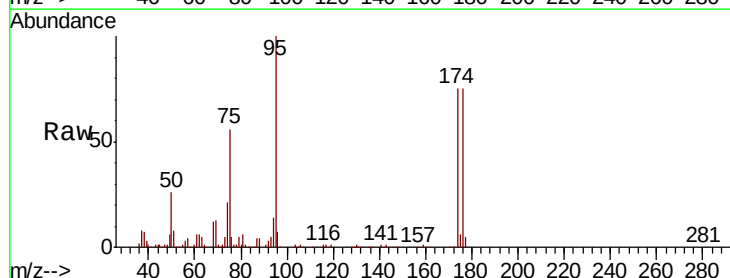
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

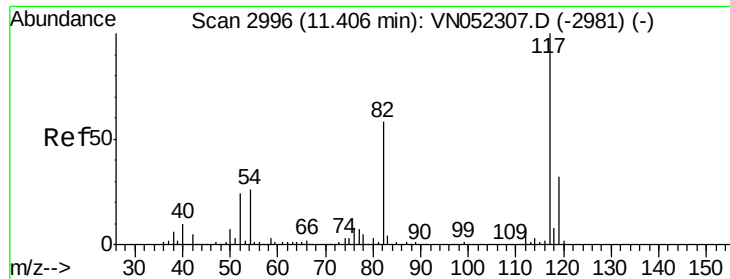
Tot Ion:107 Resp: 142057
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 49.377 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion: 95 Resp: 195250
 Ion Ratio Lower Upper
 95 100
 174 76.9 0.0 156.0
 176 74.7 0.0 148.4

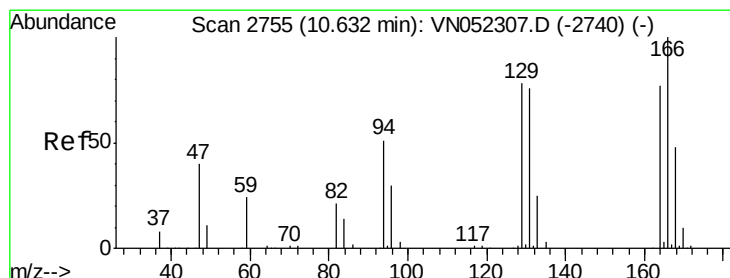
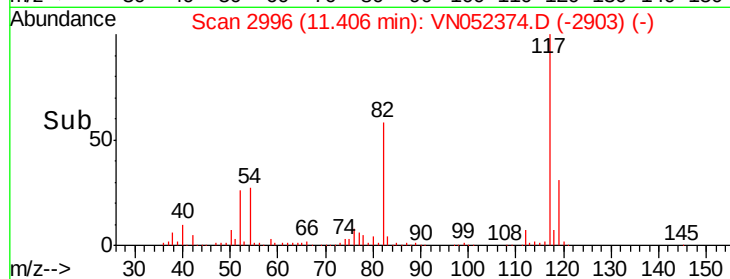
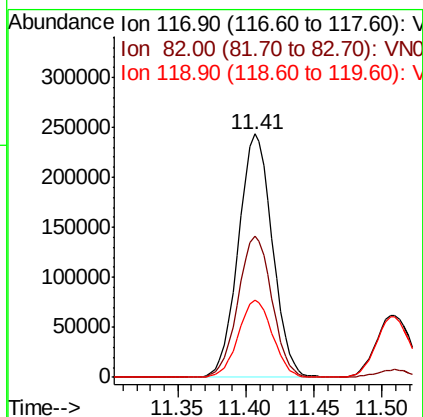
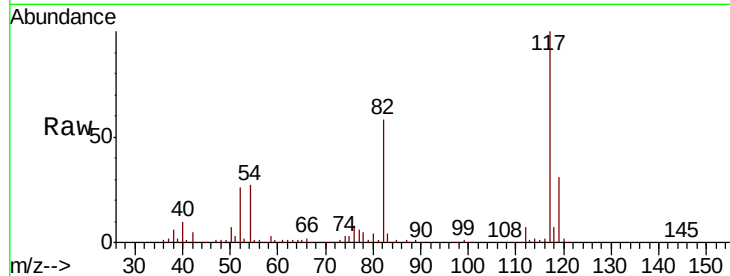




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

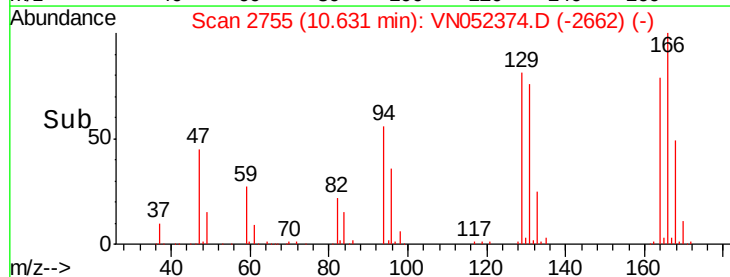
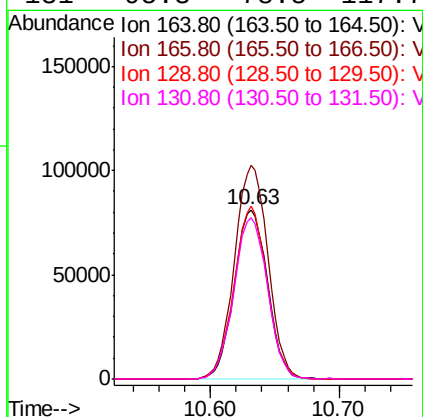
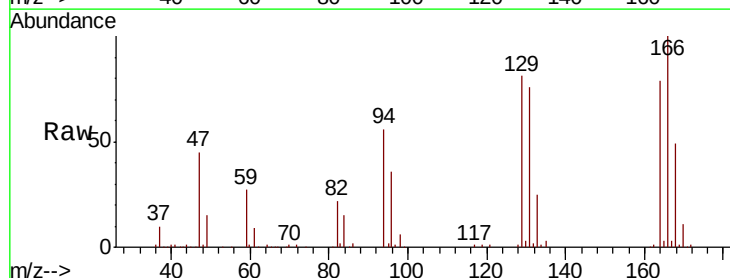
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

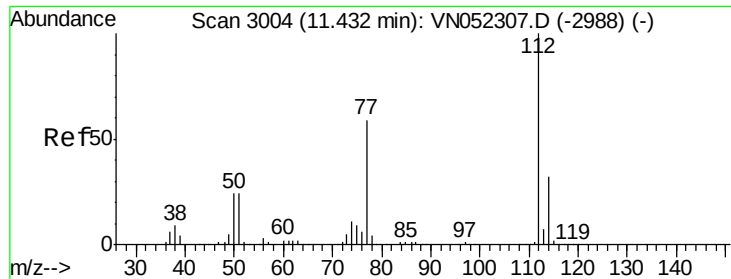
Tot Ion:117 Resp: 421173
Ion Ratio Lower Upper
117 100
82 57.8 46.5 69.7
119 31.5 25.7 38.5



#64
Tetrachloroethene
Concen: 48.650 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion:164 Resp: 145671
Ion Ratio Lower Upper
164 100
166 126.1 103.8 155.6
129 101.9 80.7 121.1
131 95.3 78.5 117.7

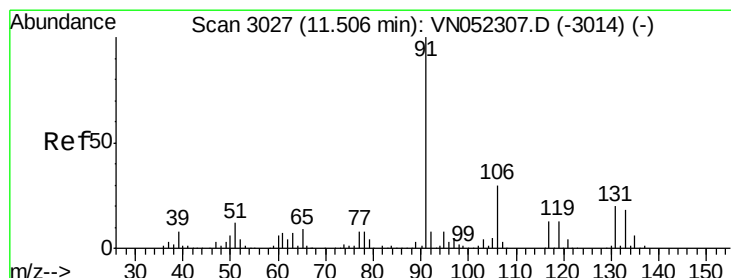
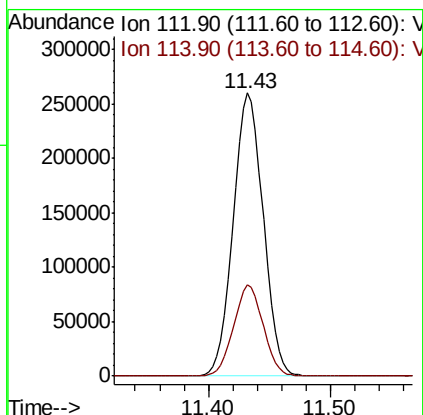
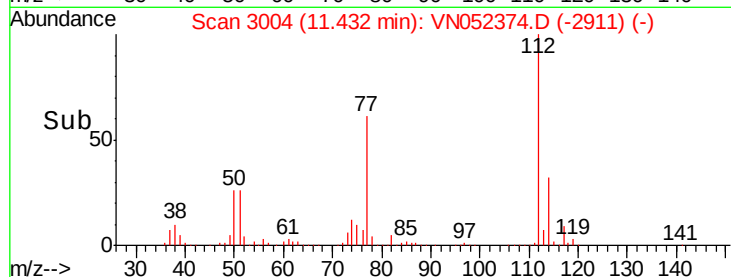
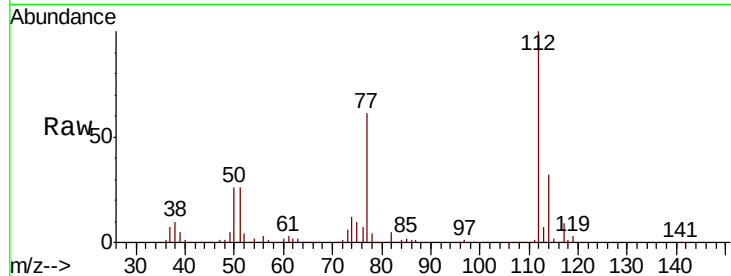




#65
Chlorobenzene
Concen: 49.964 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

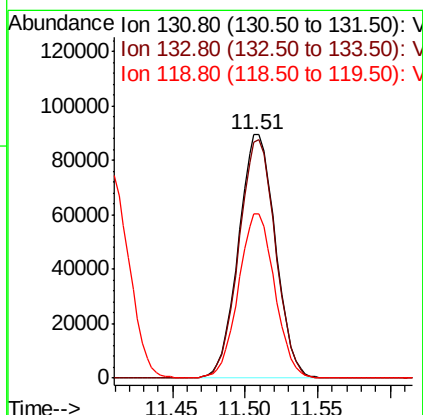
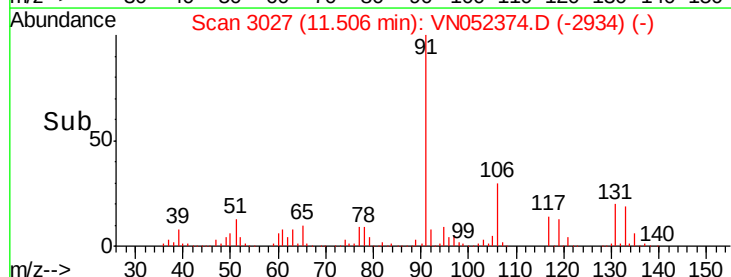
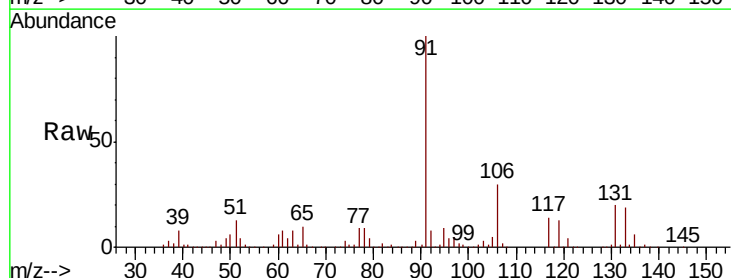
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

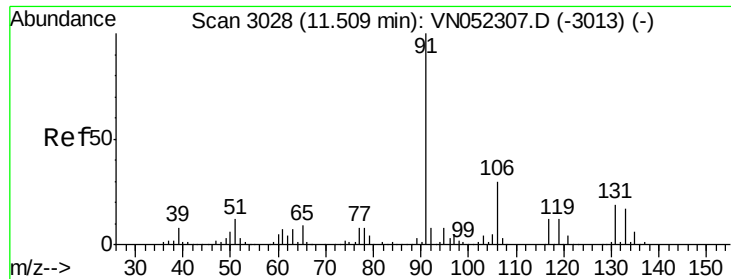
Tot Ion:112 Resp: 444808
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.191 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion:131 Resp: 158441
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.3
119 66.3 33.3 99.9

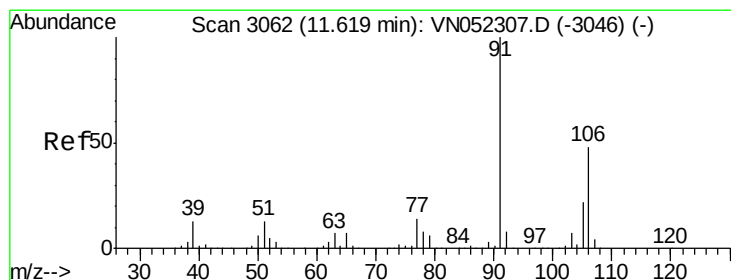
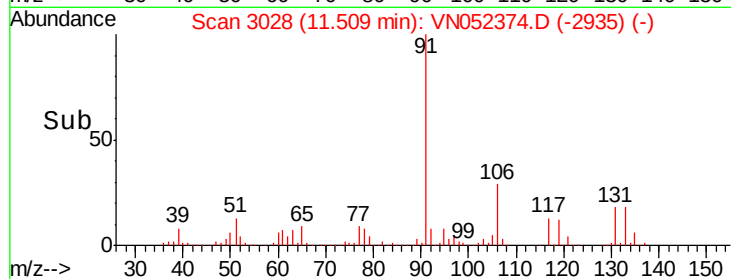
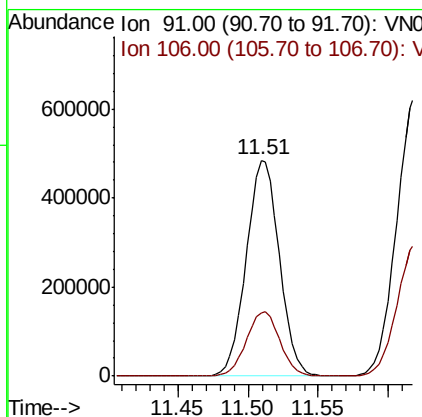
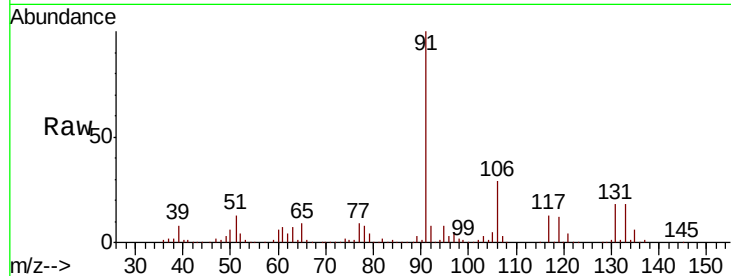




#67
Ethyl Benzene
Concen: 51.698 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

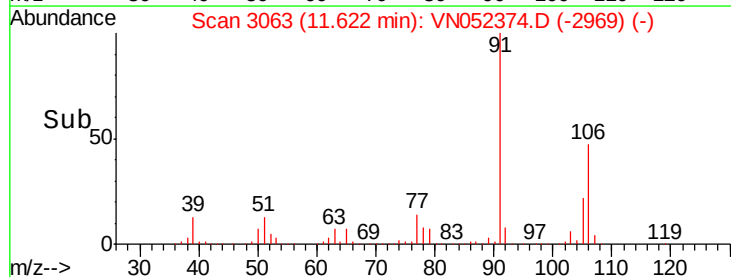
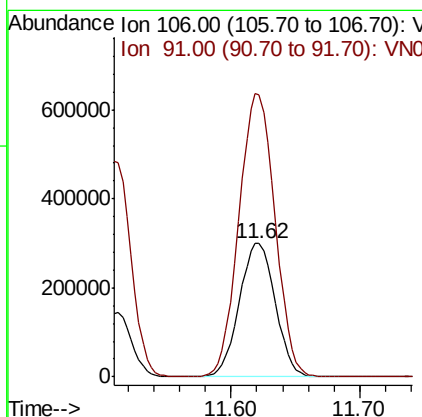
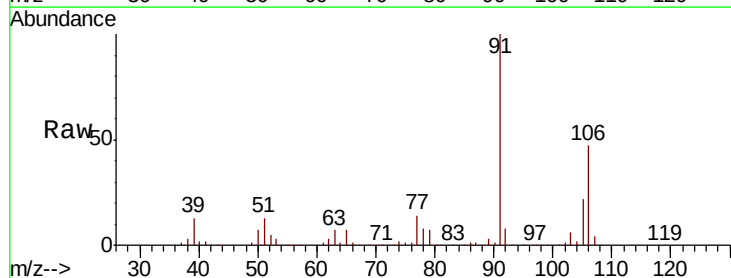
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

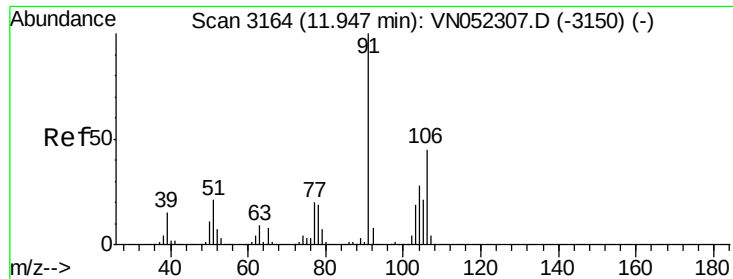
Tot Ion: 91 Resp: 798802
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.2



#68
m/p-Xylenes
Concen: 102.739 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion: 106 Resp: 580019
Ion Ratio Lower Upper
106 100
91 213.3 165.5 248.3

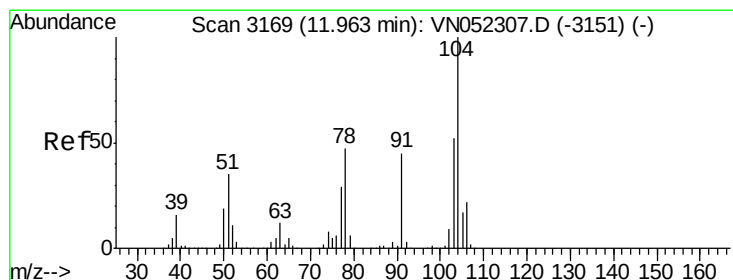
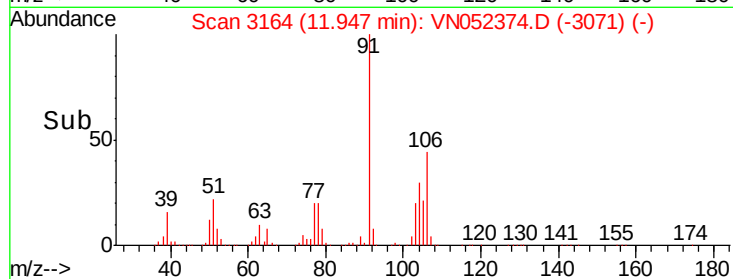
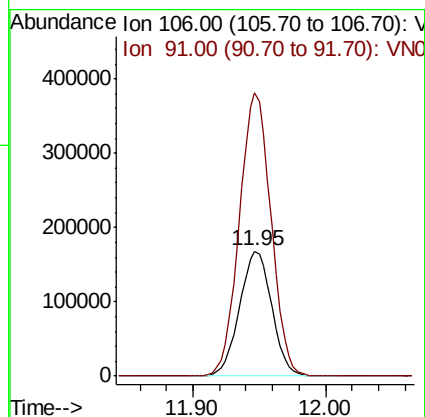
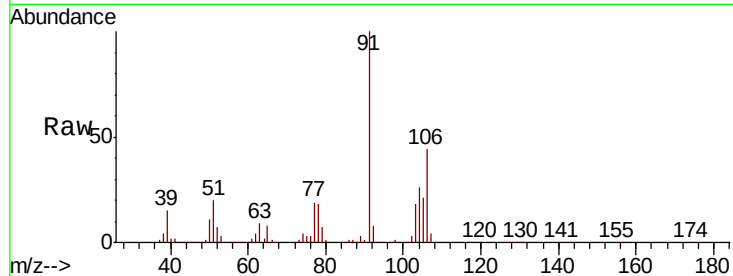




#69
o-Xylene
Concen: 52.249 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

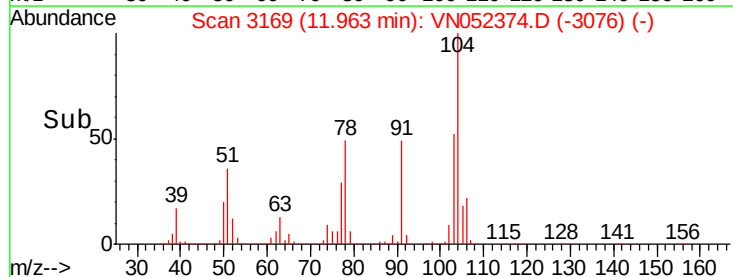
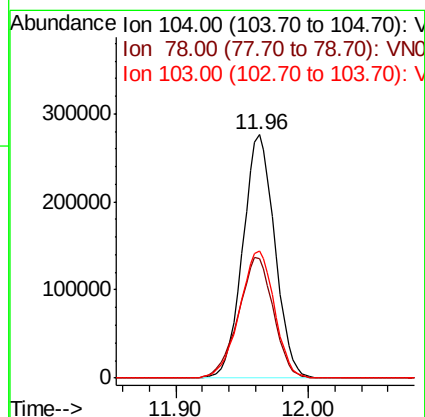
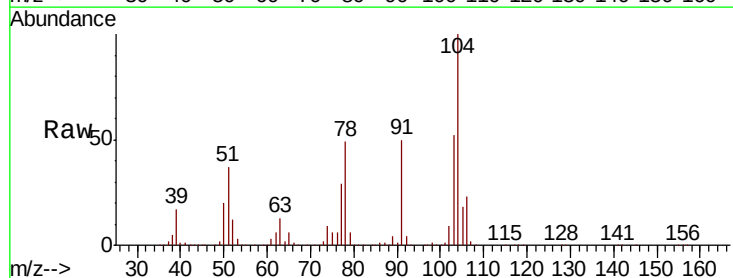
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

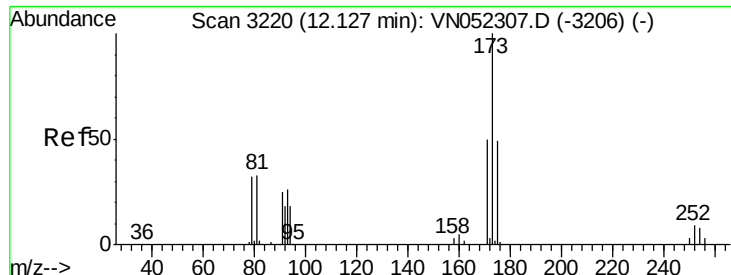
Tot Ion:106 Resp: 282757
Ion Ratio Lower Upper
106 100
91 222.5 110.0 330.0



#70
Styrene
Concen: 53.322 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion:104 Resp: 462051
Ion Ratio Lower Upper
104 100
78 54.4 42.7 64.1
103 56.9 45.4 68.0





#71

Bromoform

Concen: 52.772 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

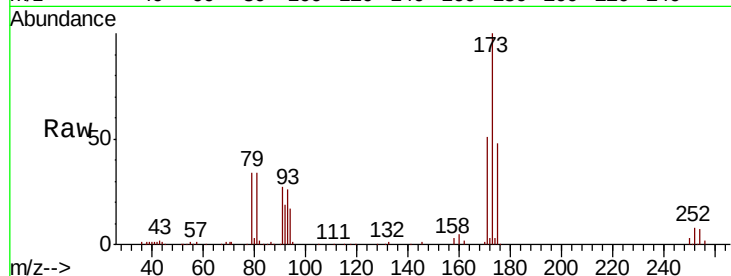
Tot Ion:173 Resp: 94590

Ion Ratio Lower Upper

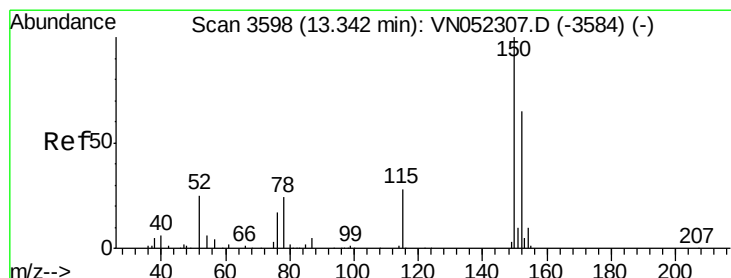
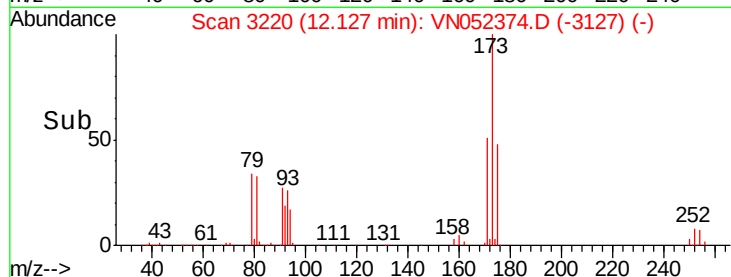
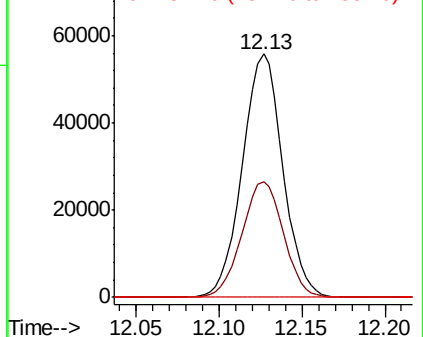
173 100

175 48.8 25.0 75.0

254 0.0 0.0 0.0



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: VN052374.D

Acq: 16 Nov 2018 19:26

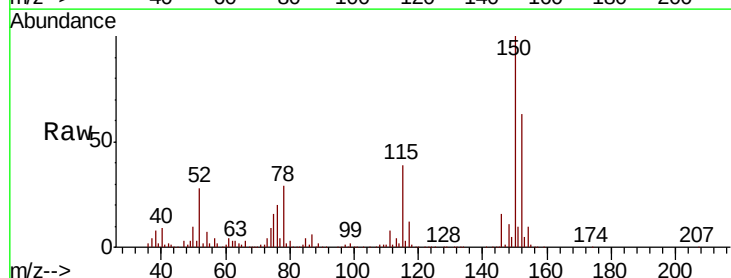
Tgt Ion:152 Resp: 189854

Ion Ratio Lower Upper

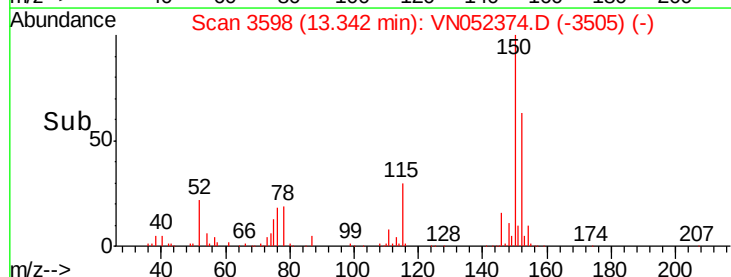
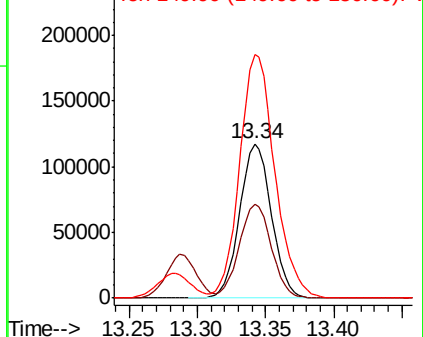
152 100

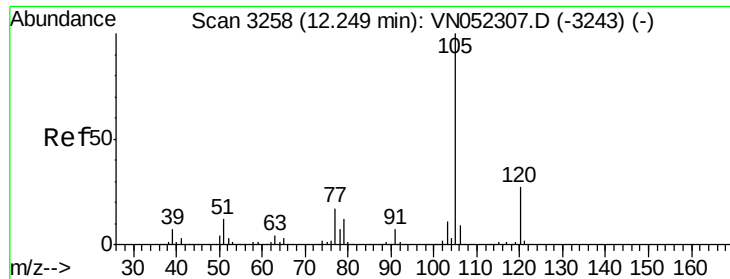
115 61.2 30.3 91.0

150 174.8 0.0 348.2



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: 50.838 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

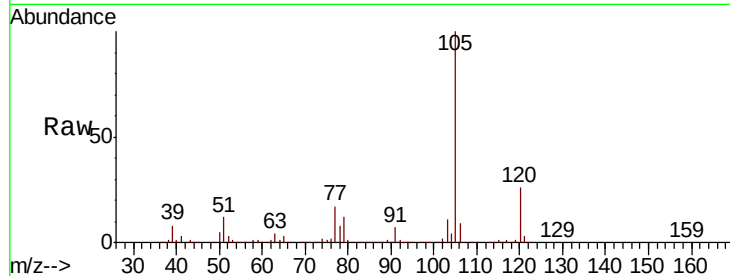
VSTDCCC050EC

Tot Ion:105 Resp: 776006

Ion Ratio Lower Upper

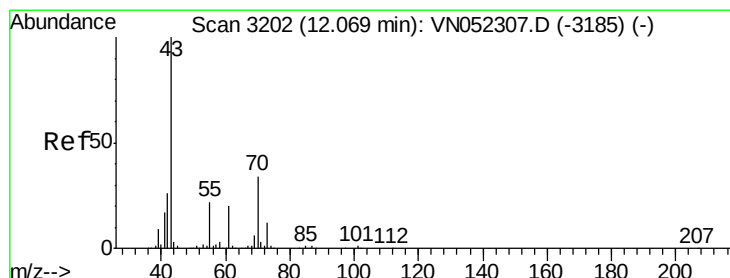
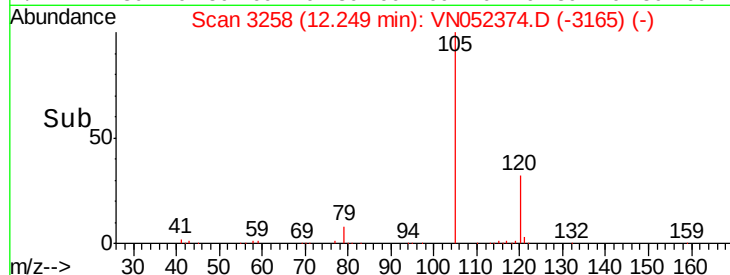
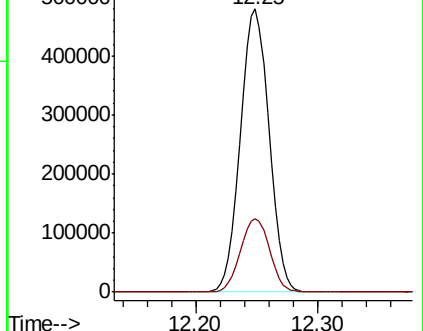
105 100

120 26.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.422 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Tgt Ion: 43 Resp: 285007

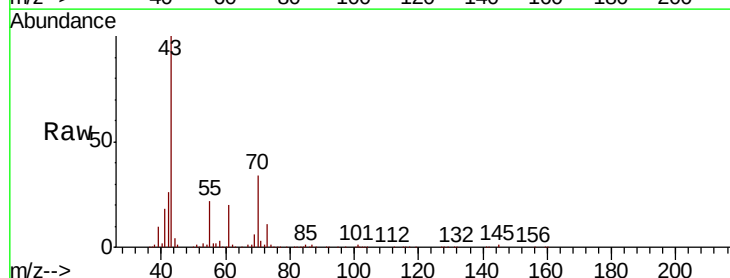
Ion Ratio Lower Upper

43 100

70 34.2 27.1 40.7

55 21.8 17.4 26.0

61 19.8 16.1 24.1

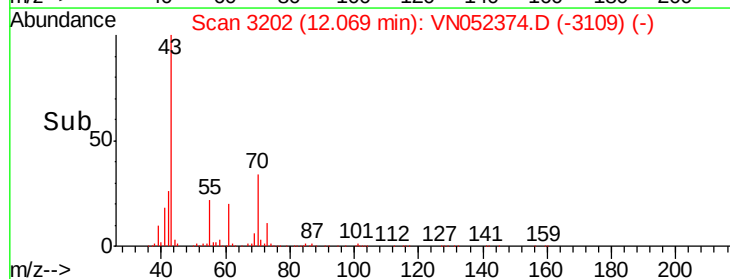
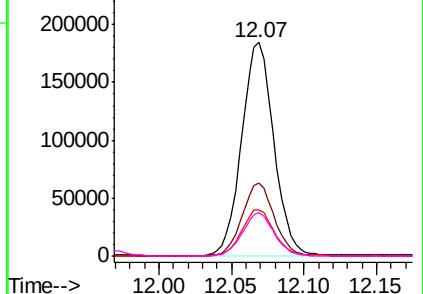


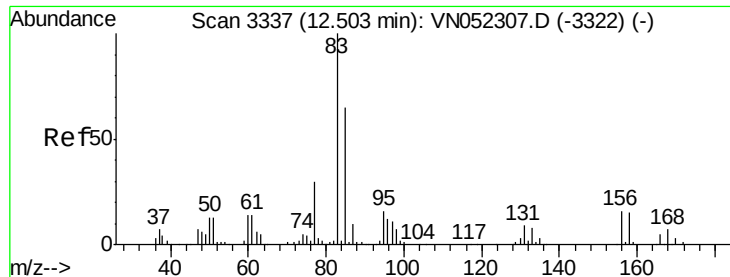
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 47.536 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

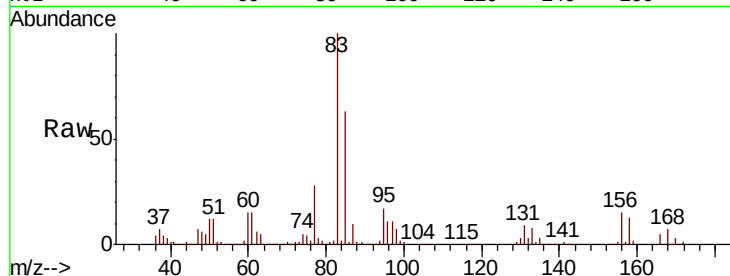
Tot Ion: 83 Resp: 175403

Ion Ratio Lower Upper

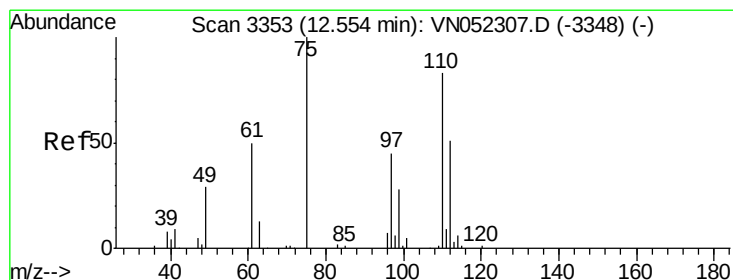
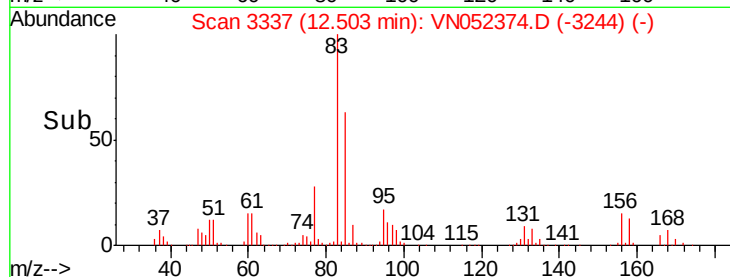
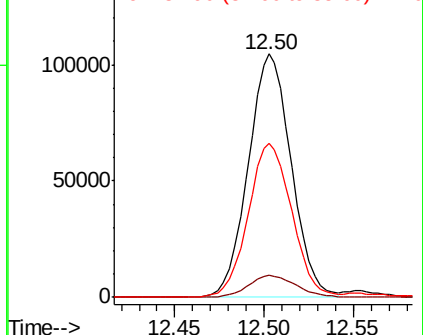
83 100

131 10.2 4.7 14.1

85 64.2 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 73.118 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052374.D

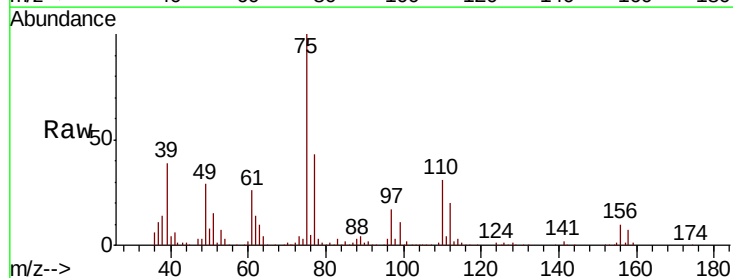
Acq: 16 Nov 2018 19:26

Tgt Ion: 75 Resp: 235547

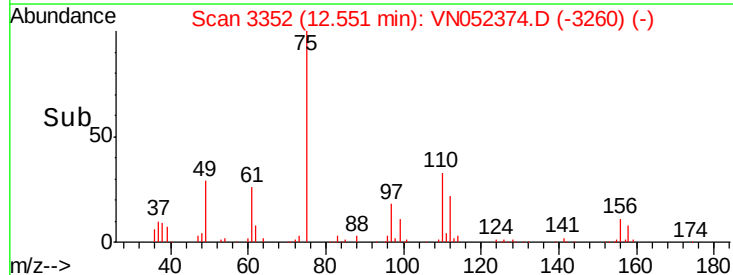
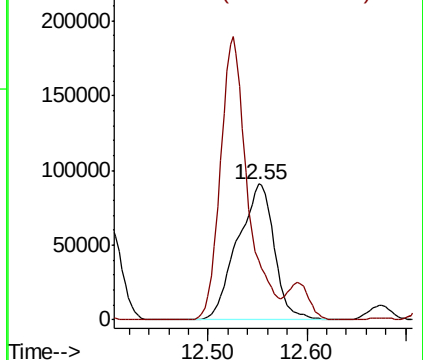
Ion Ratio Lower Upper

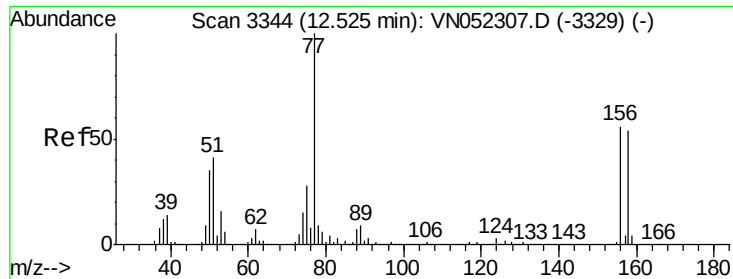
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 52.019 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

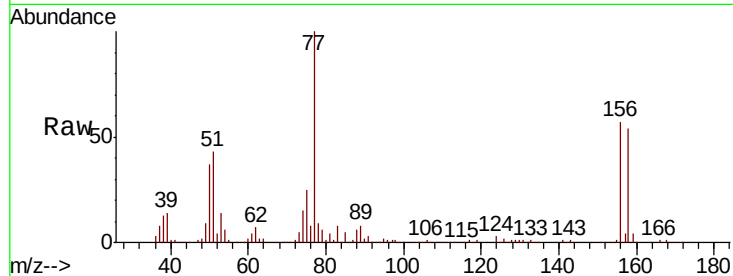
Tot Ion:156 Resp: 184752

Ion Ratio Lower Upper

156 100

77 198.3 103.6 310.9

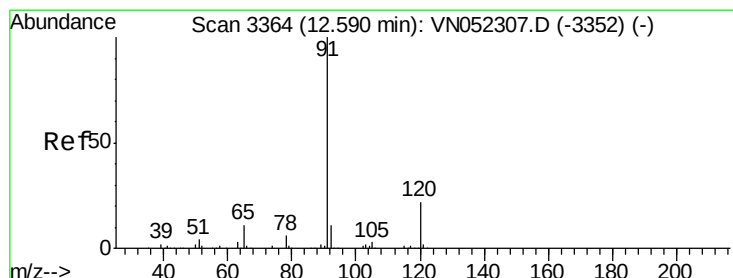
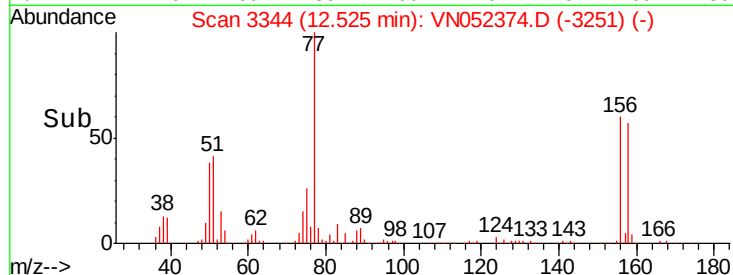
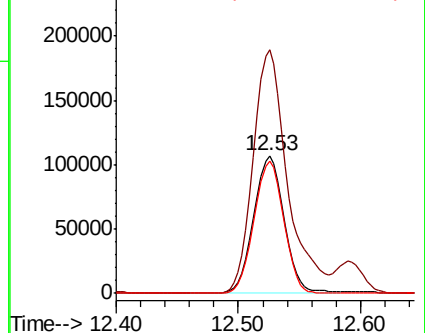
158 93.1 48.1 144.4



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: 51.163 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052374.D

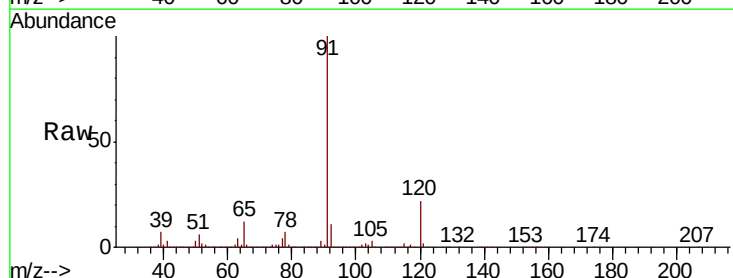
Acq: 16 Nov 2018 19:26

Tgt Ion: 91 Resp: 913356

Ion Ratio Lower Upper

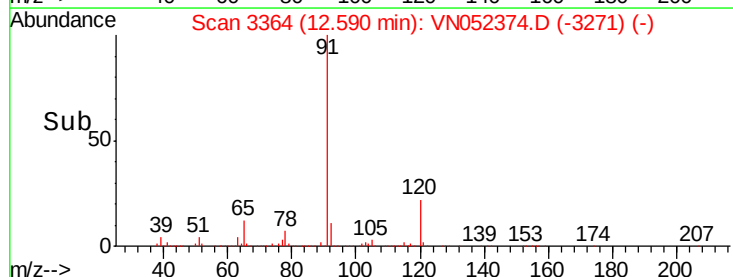
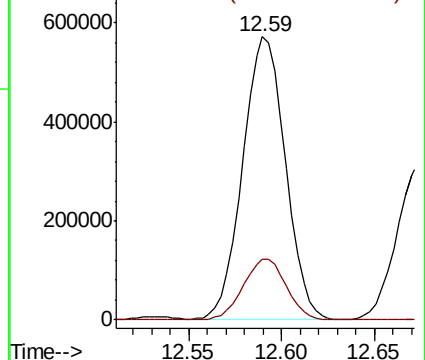
91 100

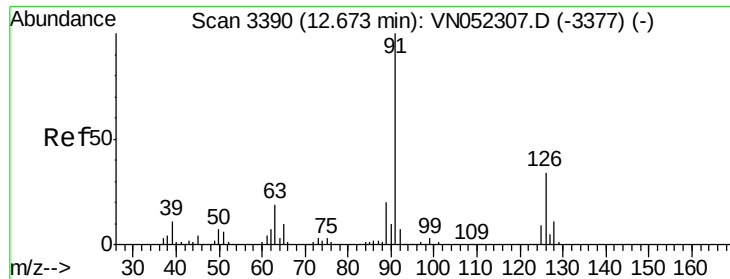
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.180 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

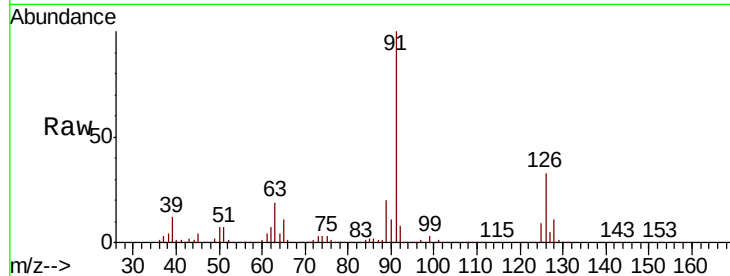
VSTDCCC050EC

Tot Ion: 91 Resp: 523318

Ion Ratio Lower Upper

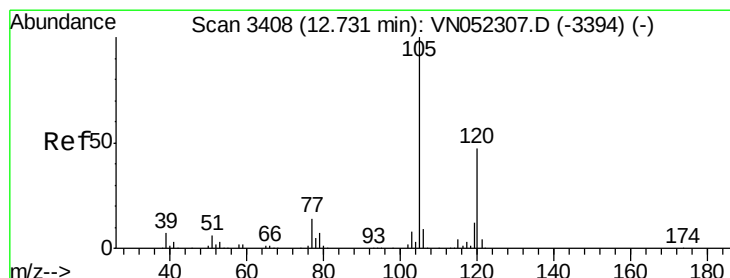
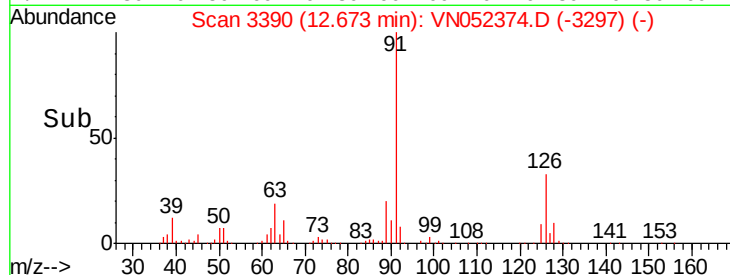
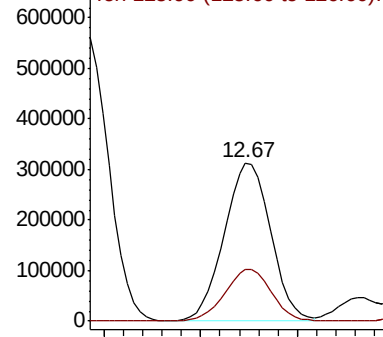
91 100

126 32.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.536 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052374.D

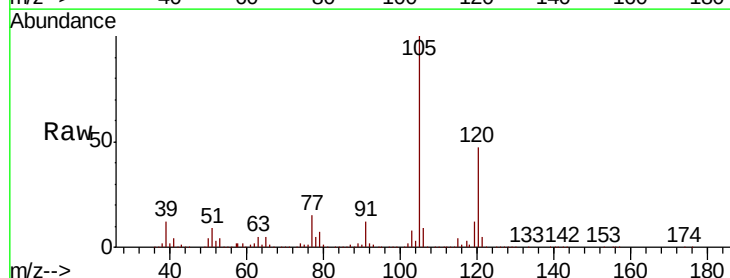
Acq: 16 Nov 2018 19:26

Tgt Ion:105 Resp: 625576

Ion Ratio Lower Upper

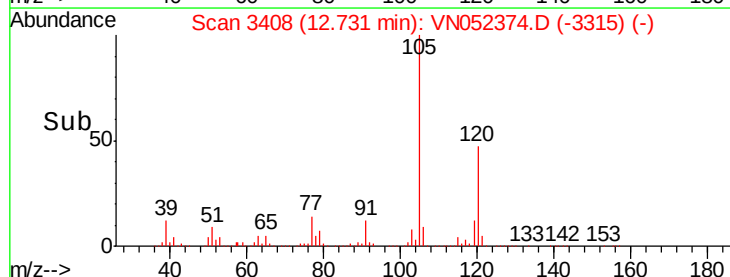
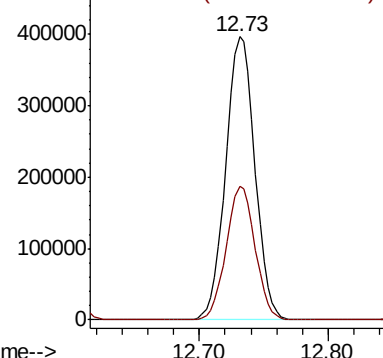
105 100

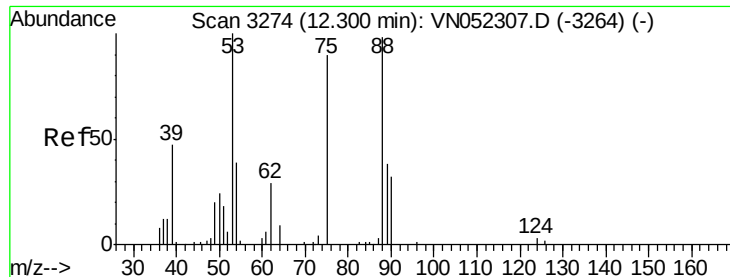
120 47.0 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.166 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

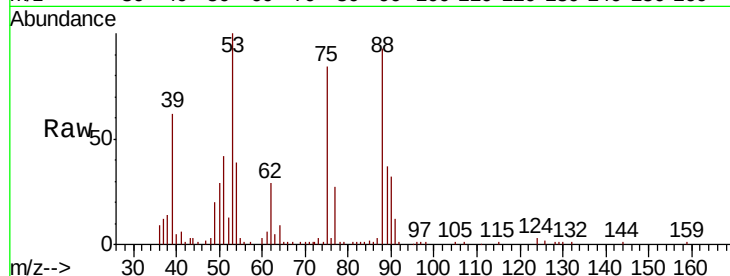
Tot Ion: 75 Resp: 47840

Ion Ratio Lower Upper

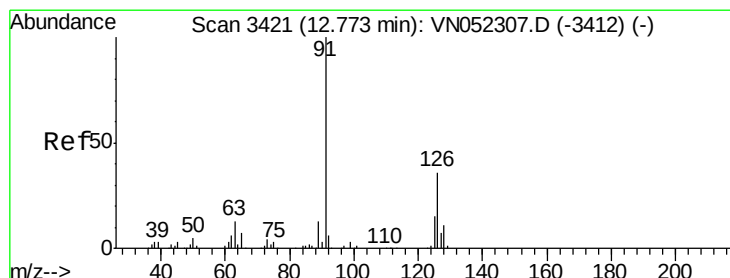
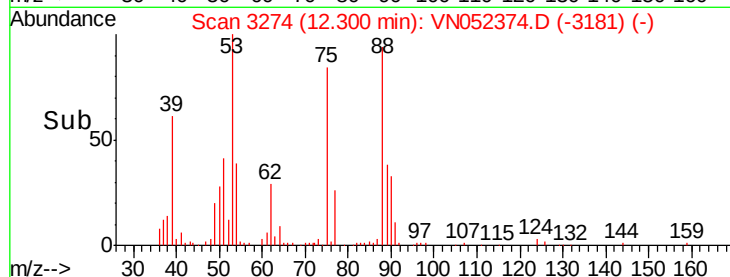
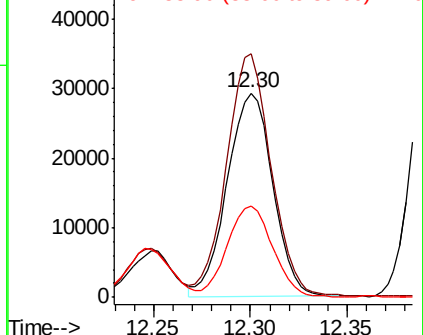
75 100

53 115.8 90.2 135.2

89 45.1 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 50.808 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052374.D

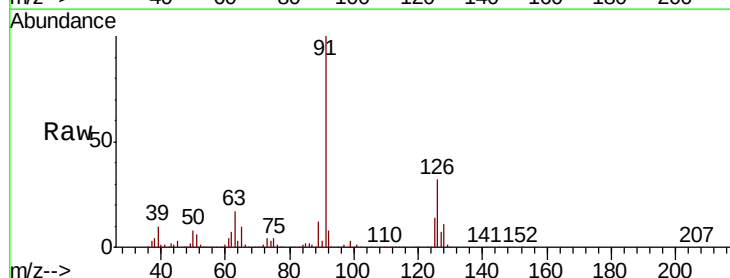
Acq: 16 Nov 2018 19:26

Tgt Ion: 91 Resp: 542863

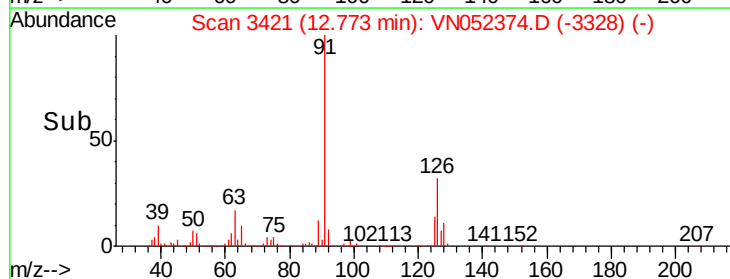
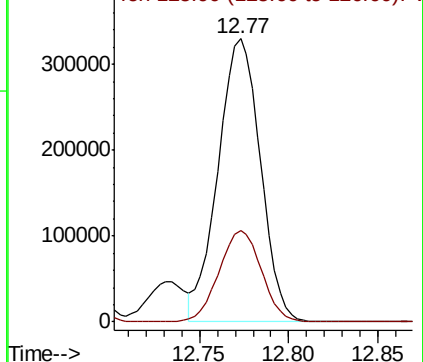
Ion Ratio Lower Upper

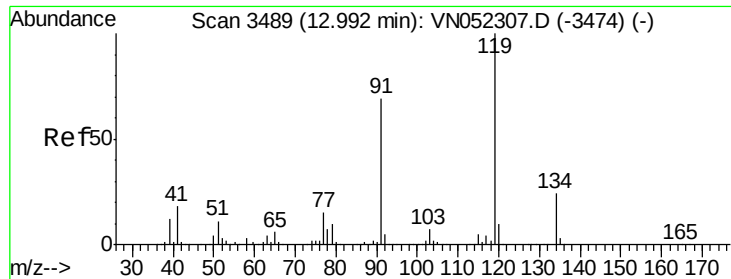
91 100

126 32.4 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): VNO

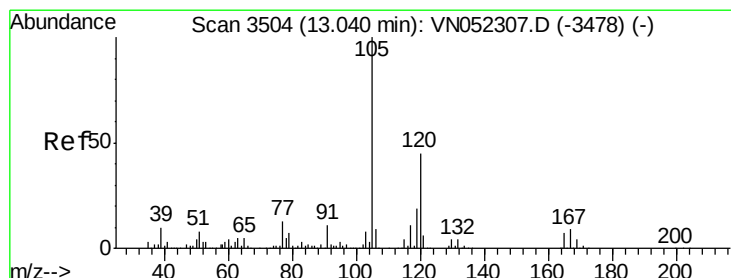
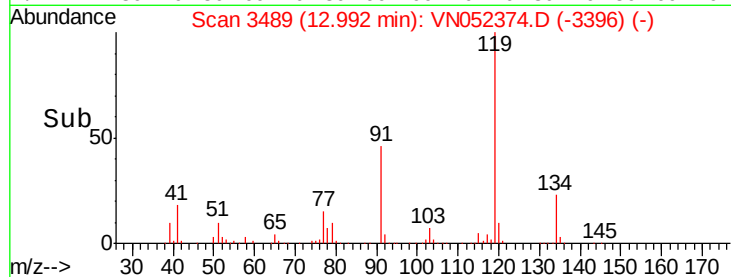
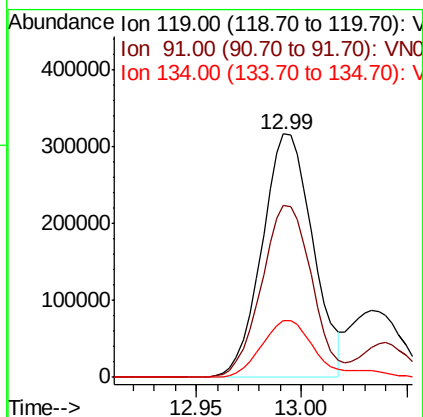
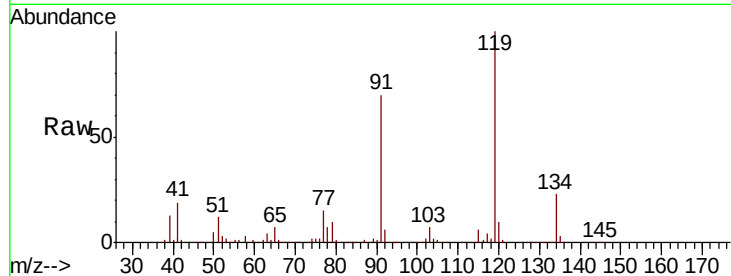




#83
 tert-Butylbenzene
 Concen: 49.584 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

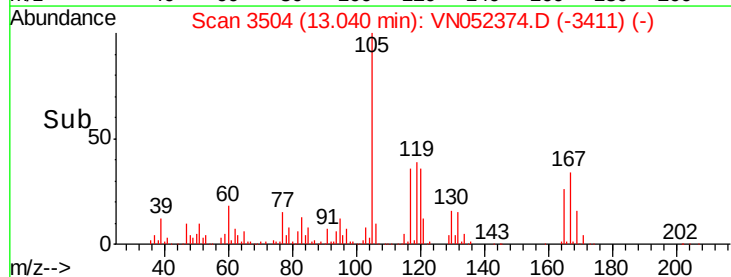
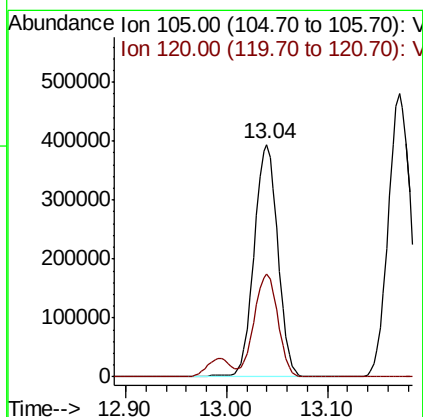
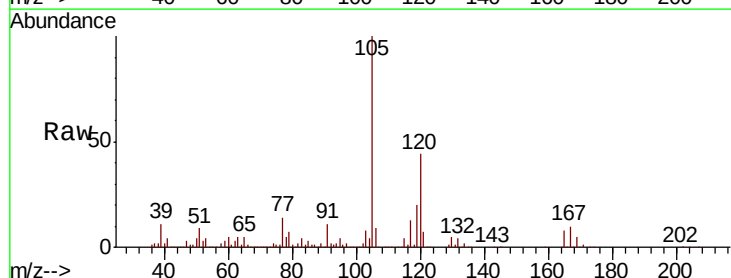
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

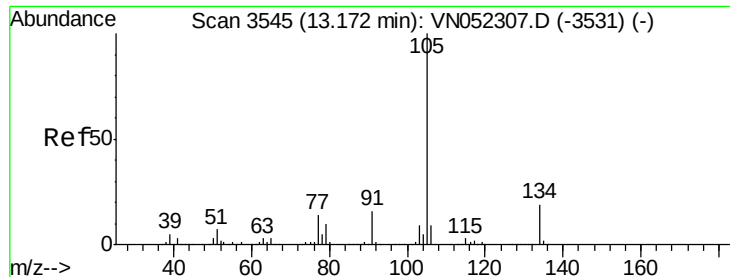
Tot Ion:119 Resp: 531374
 Ion Ratio Lower Upper
 119 100
 91 69.9 33.8 101.3
 134 25.8 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 52.287 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion:105 Resp: 637151
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.5 67.5





#85

sec-Butylbenzene

Concen: 51.385 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

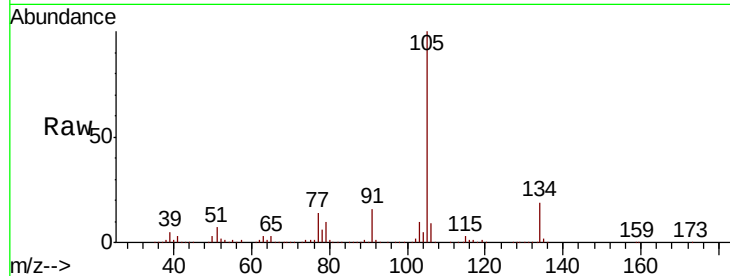
VSTDCCC050EC

Tot Ion:105 Resp: 750131

Ion Ratio Lower Upper

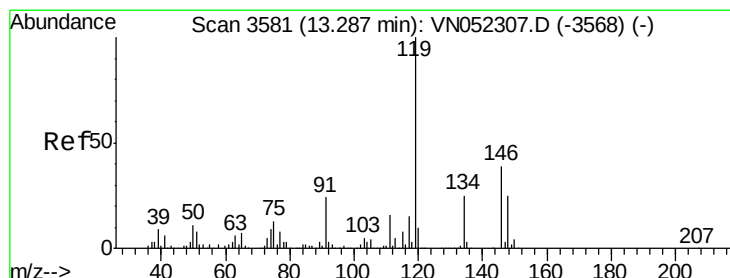
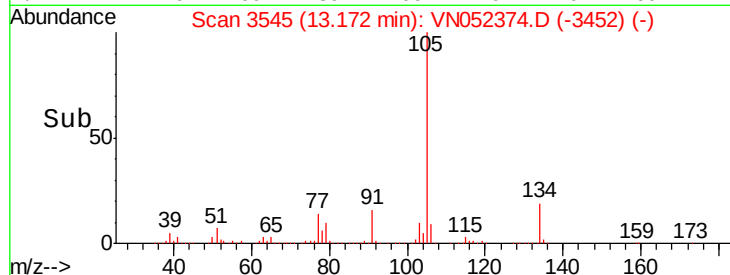
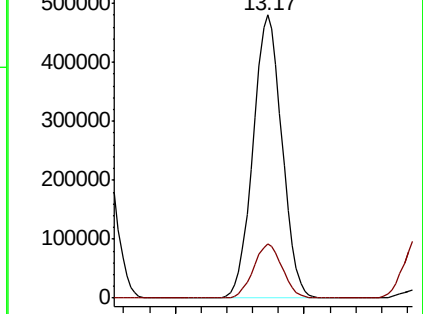
105 100

134 19.2 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.601 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

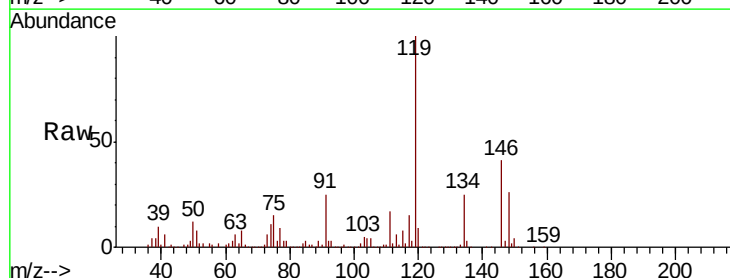
Tgt Ion:119 Resp: 638104

Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

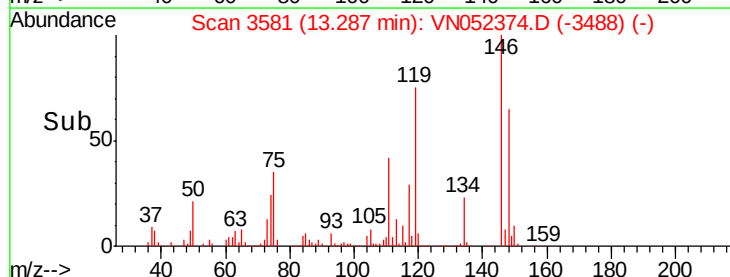
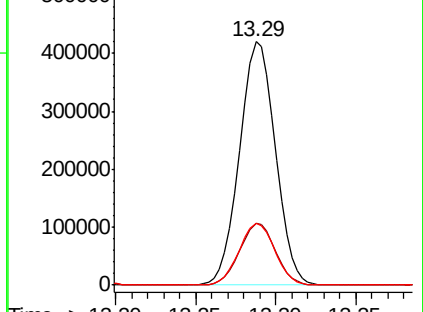
91 25.2 12.4 37.0

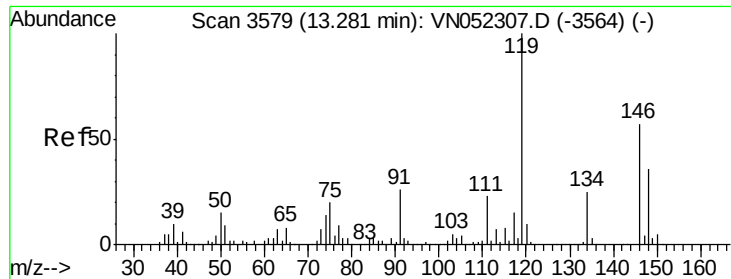


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VNO

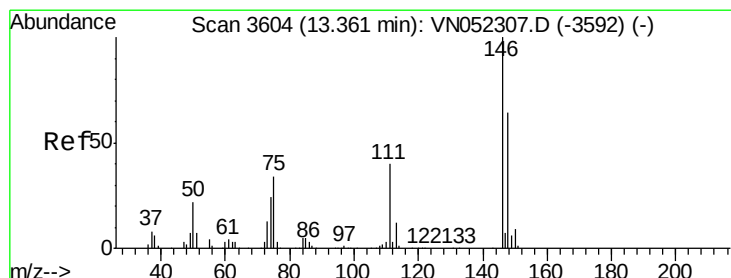
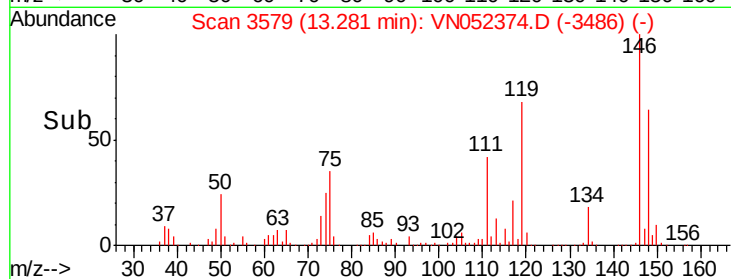
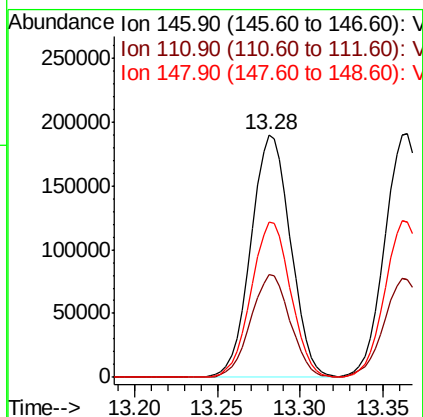
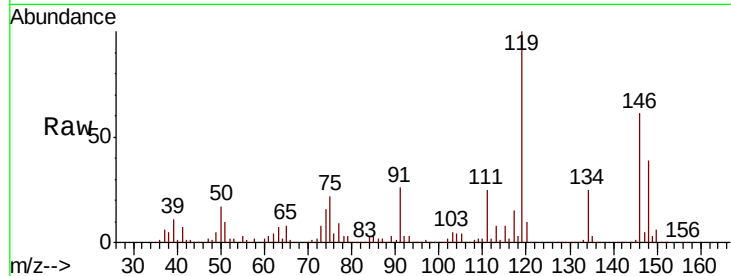




#87
 1,3-Dichlorobenzene
 Concen: 50.022 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

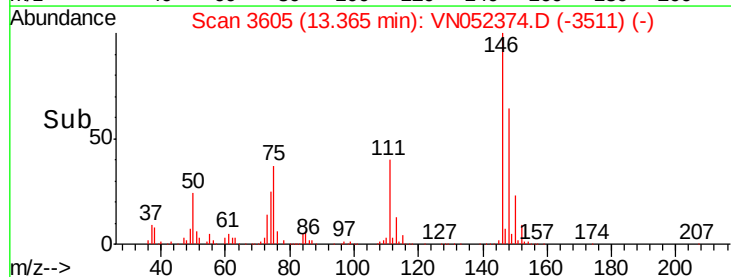
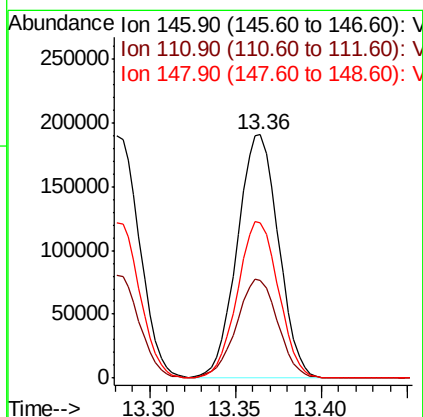
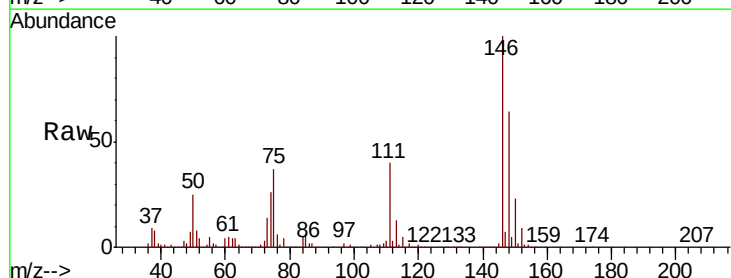
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

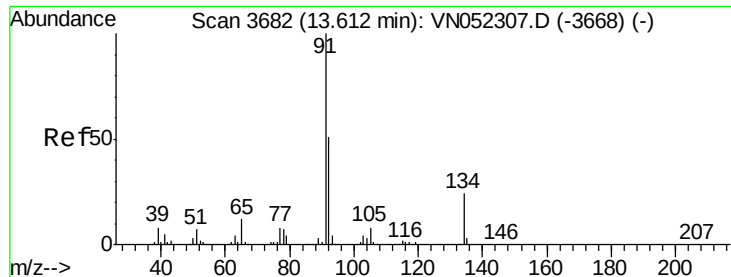
Tot Ion:146 Resp: 315522
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.3 61.0
 148 64.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 50.506 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion:146 Resp: 316728
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.6 61.8
 148 64.3 32.4 97.2





#89

n-Butylbenzene

Concen: 54.873 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052374.D

Acq: 16 Nov 2018 19:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

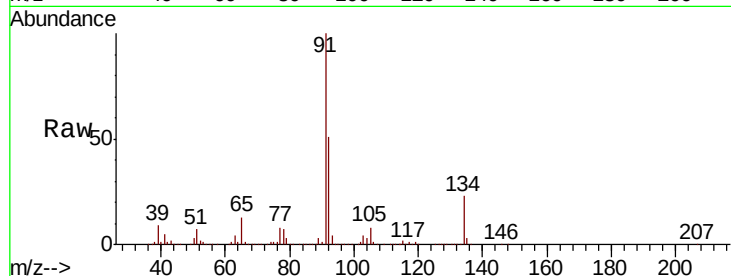
Tot Ion: 91 Resp: 582793

Ion Ratio Lower Upper

91 100

92 51.3 25.4 76.2

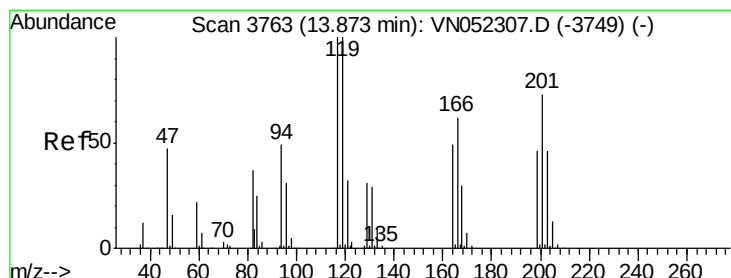
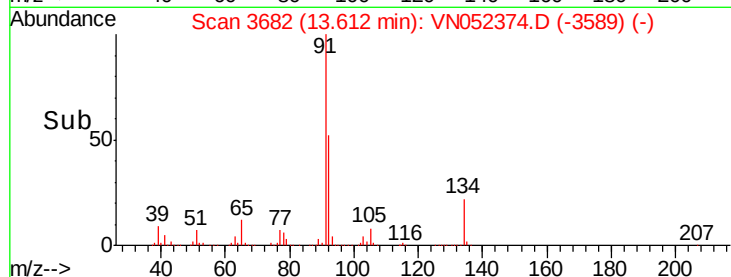
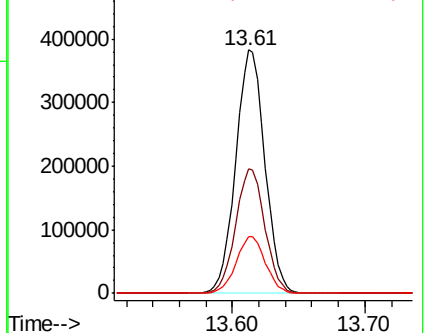
134 23.5 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052307.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052307.D (-3668) (-)



#90

Hexachloroethane

Concen: 51.376 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052374.D

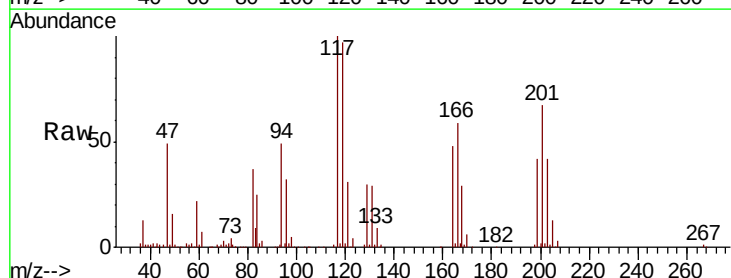
Acq: 16 Nov 2018 19:26

Tgt Ion: 117 Resp: 112527

Ion Ratio Lower Upper

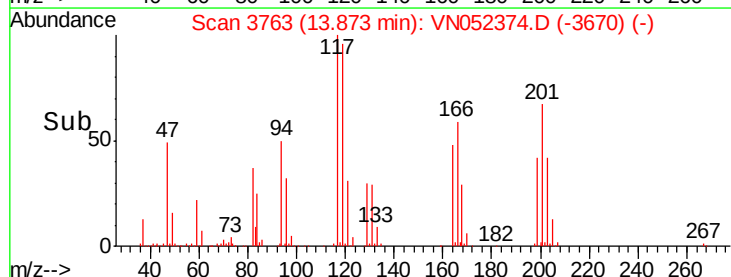
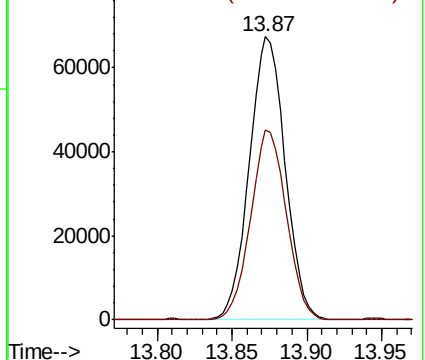
117 100

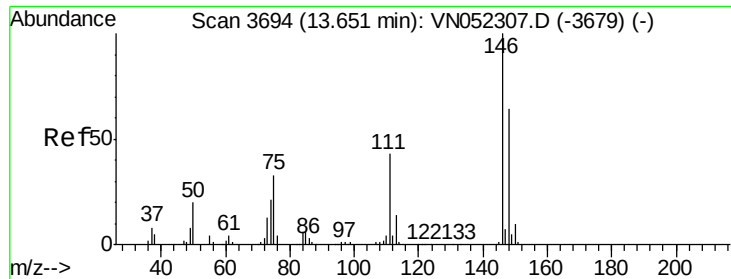
201 66.6 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052307.D (-3749) (-)

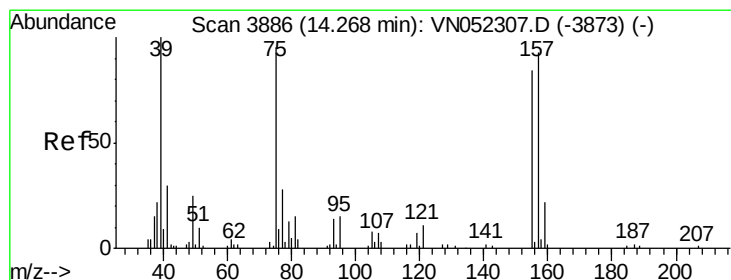
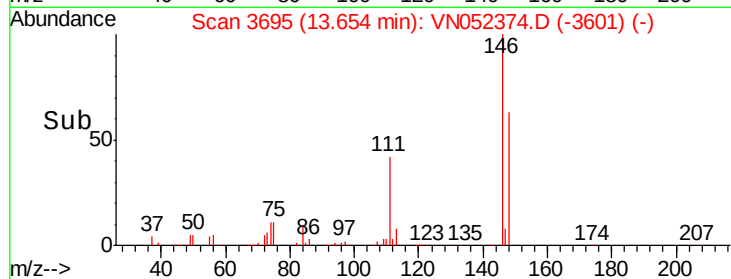
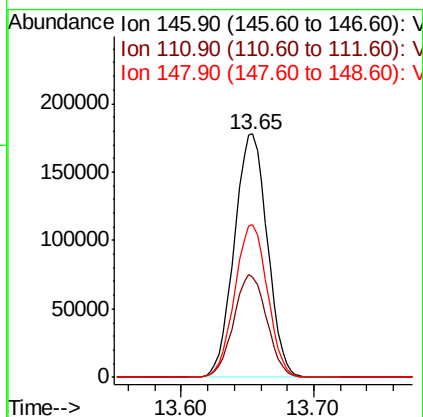
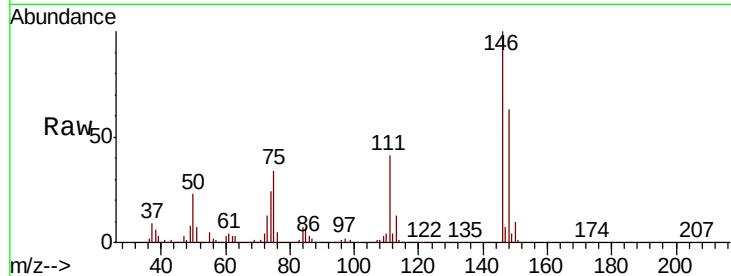




#91
 1,2-Dichlorobenzene
 Concen: 50.275 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

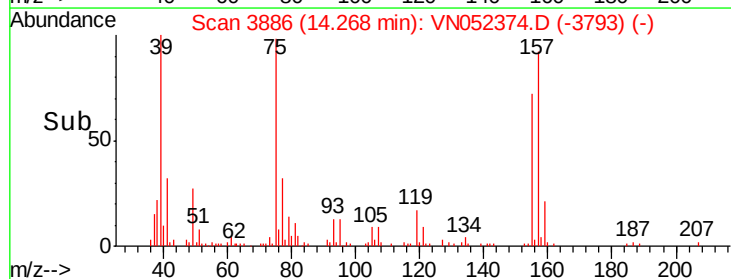
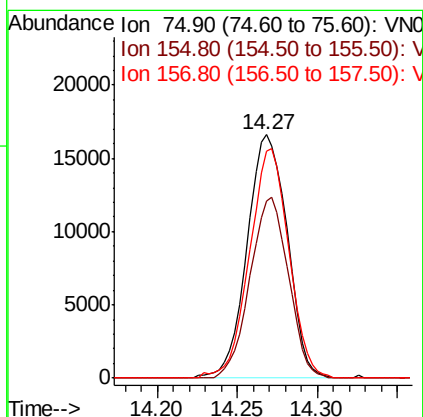
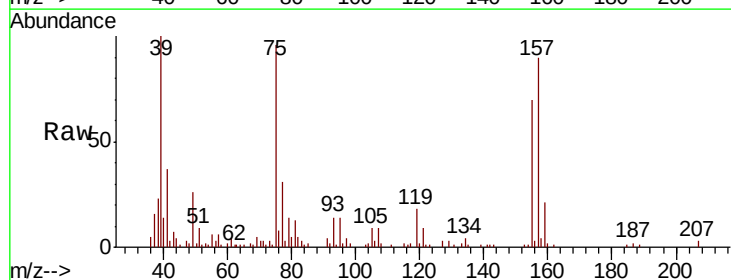
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

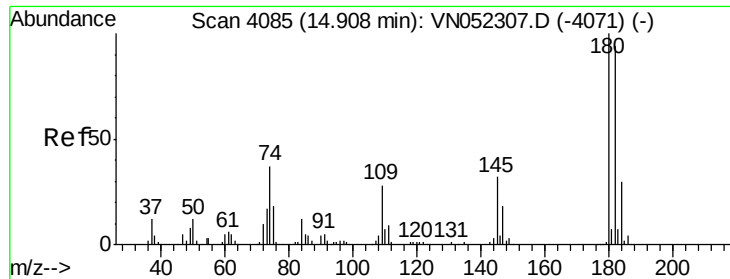
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.9
148	62.5	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.502 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	42.4	127.3
157	92.2	49.6	149.0

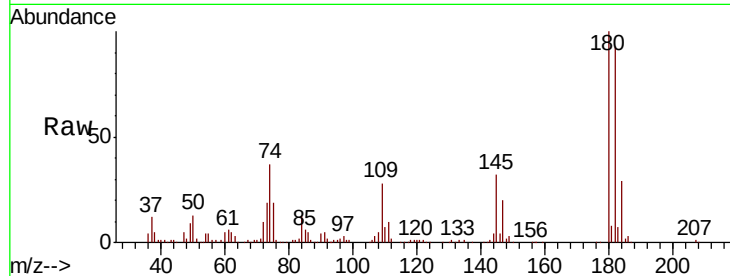




#93
 1,2,4-Trichlorobenzene
 Concen: 52.020 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.9
145	32.2	15.5	46.5

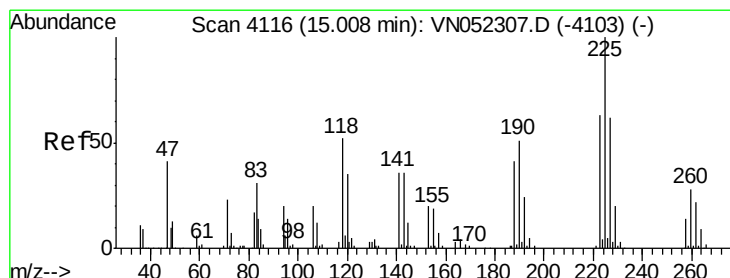
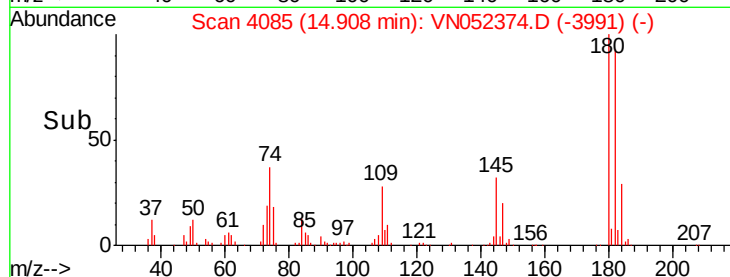
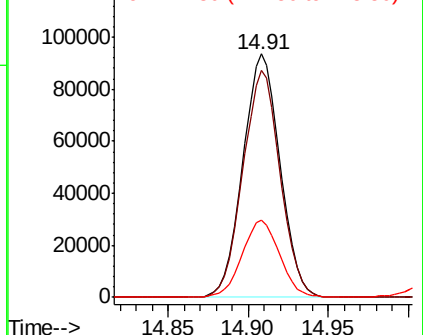


Abundance

Ion 179.80 (179.50 to 180.50): V

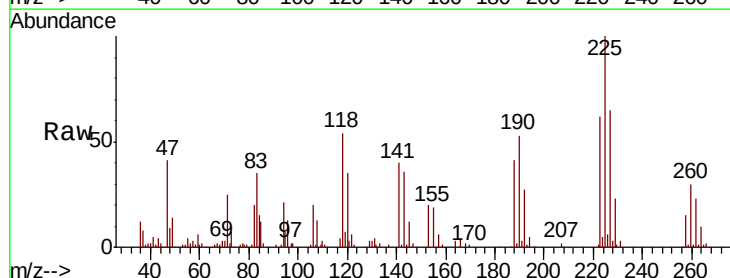
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.531 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052374.D
 Acq: 16 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.5
227	62.7	31.6	95.0

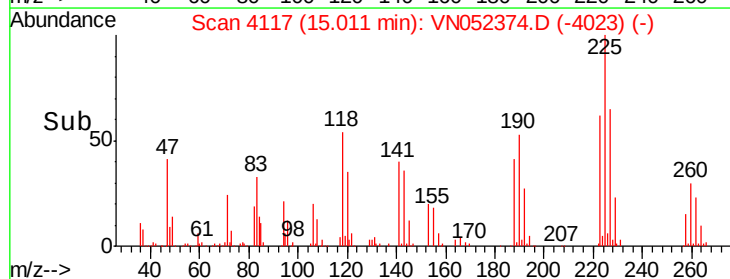
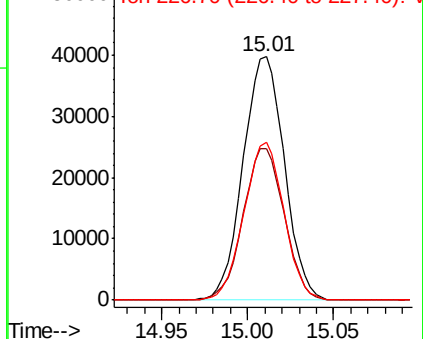


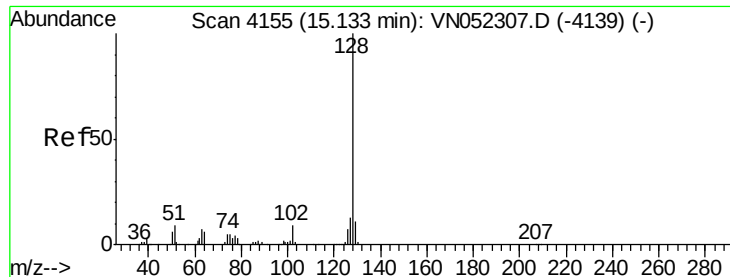
Abundance

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

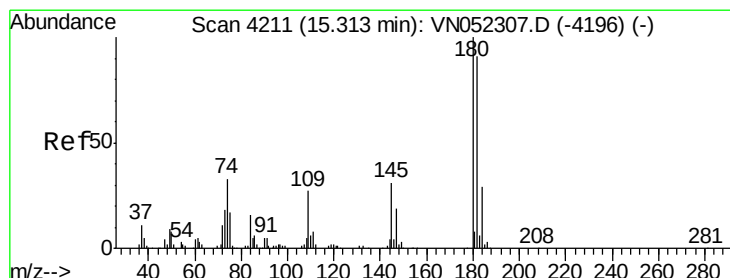
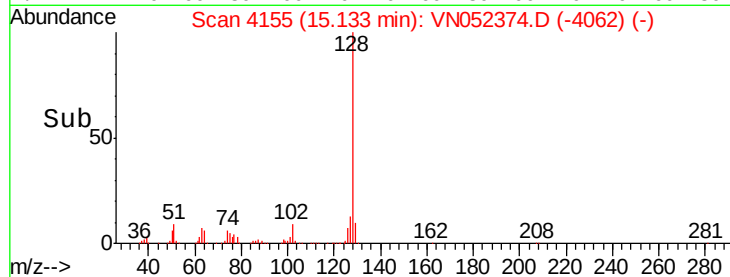
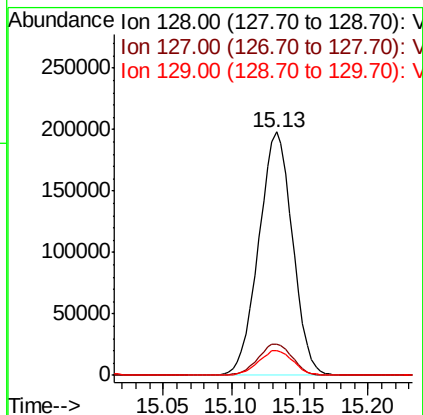
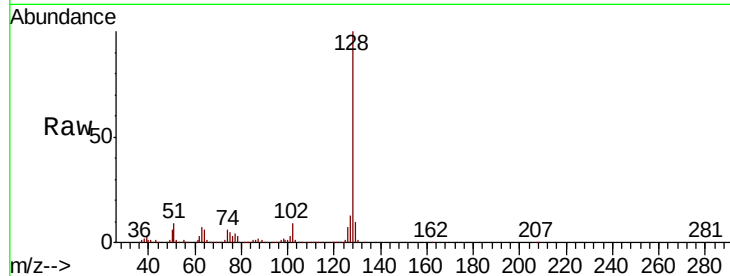




#95
Naphthalene
Concen: 50.601 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 340296
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 57.413 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052374.D
Acq: 16 Nov 2018 19:26

Tgt Ion:180 Resp: 133318
Ion Ratio Lower Upper
180 100
182 94.8 46.5 139.3
145 34.3 16.4 49.2

