

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
 Data File : VN057540.D
 Acq On : 27 Aug 2019 4:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 27 07:23:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	335661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	639095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	573720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	212990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	322896	54.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.36%		
35) Dibromofluoromethane	7.57	113	219629	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.76%		
50) Toluene-d8	10.09	98	874241	53.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.12%		
62) 4-Bromofluorobenzene	12.40	95	287810	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.06%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	176038	44.443	ug/l	98
3) Chloromethane	2.04	50	242992	42.952	ug/l	95
4) Vinyl Chloride	2.17	62	315740	45.853	ug/l	99
5) Bromomethane	2.54	94	188188	44.347	ug/l	98
6) Chloroethane	2.68	64	204998	46.282	ug/l	97
7) Trichlorofluoromethane	3.00	101	480066	44.915	ug/l	99
8) Diethyl Ether	3.39	74	174432	48.478	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	258735	48.326	ug/l	98
10) Methyl Iodide	3.92	142	202806	46.468	ug/l	99
11) Tert butyl alcohol	4.79	59	155303	211.688	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	257286	45.032	ug/l	99
13) Acrolein	3.58	56	193486	299.930	ug/l	99
14) Allyl chloride	4.29	41	324246	42.852	ug/l	95
15) Acrylonitrile	4.97	53	489075	247.197	ug/l	98
16) Acetone	3.79	43	515024	189.929	ug/l	95
17) Carbon Disulfide	4.02	76	410209	37.639	ug/l	99
18) Methyl Acetate	4.30	43	296844	50.740	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	632424	45.855	ug/l	100
20) Methylene Chloride	4.53	84	187328	46.589	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	183319	45.469	ug/l	98
22) Diisopropyl ether	5.93	45	773073	47.690	ug/l	97
23) Vinyl Acetate	5.87	43	2908900	229.748	ug/l	99
24) 1,1-Dichloroethane	5.82	63	412618	48.030	ug/l	99
25) 2-Butanone	6.82	43	689753	234.250	ug/l	100
26) 2,2-Dichloropropane	6.80	77	241914	32.517	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	226743	47.443	ug/l	96
28) Bromochloromethane	7.18	49	248790	53.776	ug/l	98
29) Tetrahydrofuran	7.20	42	461994	237.945	ug/l	99
30) Chloroform	7.36	83	409017	51.315	ug/l	98
31) Cyclohexane	7.64	56	380662	45.893	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	348655	47.312	ug/l	100
36) 1,1-Dichloropropene	7.78	75	293719	44.978	ug/l	98
37) Ethyl Acetate	6.91	43	299440	46.405	ug/l	100
38) Carbon Tetrachloride	7.76	117	276492	42.619	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
 Data File : VN057540.D
 Acq On : 27 Aug 2019 4:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 27 07:23:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	347696	44.831	ug/l	94
40) Benzene	8.03	78	882388	45.019	ug/l	100
41) Methacrylonitrile	7.16	41	153640	49.932	ug/l	87
42) 1,2-Dichloroethane	8.11	62	343347	45.496	ug/l	99
43) Isopropyl Acetate	8.16	43	518525	43.824	ug/l	99
44) Trichloroethene	8.82	130	199897	45.688	ug/l	94
45) 1,2-Dichloropropane	9.11	63	249345	45.171	ug/l	97
46) Dibromomethane	9.20	93	152220	47.040	ug/l	99
47) Bromodichloromethane	9.40	83	322750	44.319	ug/l	100
48) Methyl methacrylate	9.19	41	247623	44.012	ug/l	97
49) 1,4-Dioxane	9.19	88	63573	873.776	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1510342	229.043	ug/l	100
52) Toluene	10.15	92	536477	47.490	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	324533	42.545	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	344141	40.520	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	211720	46.345	ug/l	99
56) Ethyl methacrylate	10.43	69	338352	47.082	ug/l	99
57) 1,3-Dichloropropane	10.70	76	380813	47.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	547287	271.845	ug/l	100
59) 2-Hexanone	10.75	43	1032338	228.251	ug/l	100
60) Dibromochloromethane	10.90	129	214561	44.443	ug/l	98
61) 1,2-Dibromoethane	11.00	107	214378	47.845	ug/l	99
64) Tetrachloroethene	10.63	164	184589	45.988	ug/l	97
65) Chlorobenzene	11.43	112	535985	46.215	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	196030	44.074	ug/l	99
67) Ethyl Benzene	11.51	91	1022914	45.568	ug/l	99
68) m/p-Xylenes	11.62	106	721717	94.538	ug/l	100
69) o-Xylene	11.95	106	355268	46.977	ug/l	100
70) Styrene	11.96	104	588681	49.160	ug/l	100
71) Bromoform	12.13	173	126711	42.143	ug/l #	98
73) Isopropylbenzene	12.25	105	969489	51.406	ug/l	100
74) N-amyl acetate	12.07	43	431242	48.349	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	279045	51.381	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	348273	75.803	ug/l #	100
77) Bromobenzene	12.53	156	194179	49.669	ug/l	99
78) n-propylbenzene	12.59	91	1084925	50.078	ug/l	99
79) 2-Chlorotoluene	12.67	91	648409	51.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	789040	50.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	76489	39.177	ug/l	98
82) 4-Chlorotoluene	12.77	91	630722	49.702	ug/l	99
83) tert-Butylbenzene	12.99	119	673488	52.044	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	765631	46.238	ug/l	100
85) sec-Butylbenzene	13.17	105	885484	50.329	ug/l	99
86) p-Isopropyltoluene	13.29	119	749347	45.010	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	310113	45.076	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	303639	45.067	ug/l	98
89) n-Butylbenzene	13.62	91	640167	45.439	ug/l	99
90) Hexachloroethane	13.88	117	144483	46.114	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	307532	46.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47032	46.163	ug/l	97

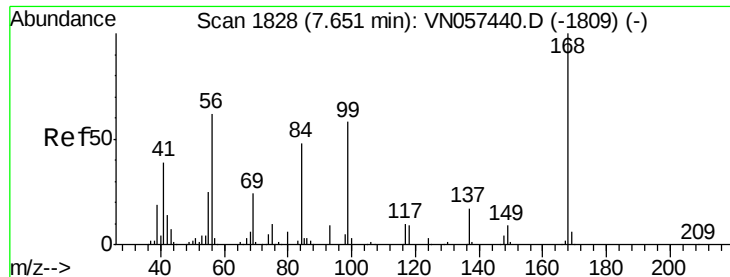
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
Data File : VN057540.D
Acq On : 27 Aug 2019 4:00
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 27 07:23:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100142	39.009	ug/l	98
94) Hexachlorobutadiene	15.01	225	84684	50.660	ug/l	98
95) Naphthalene	15.13	128	325269	39.396	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	100885	39.224	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

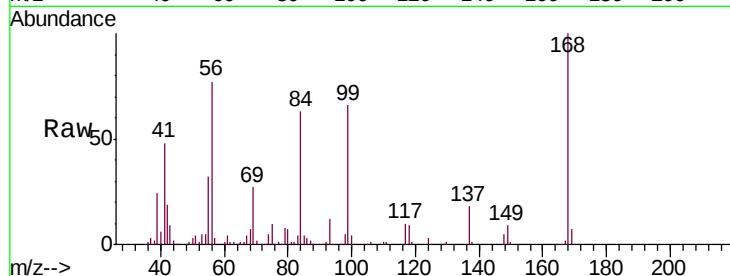
VSTDCCC050EC

Tgt Ion:168 Resp: 335661

Ion Ratio Lower Upper

168 100

99 65.3 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

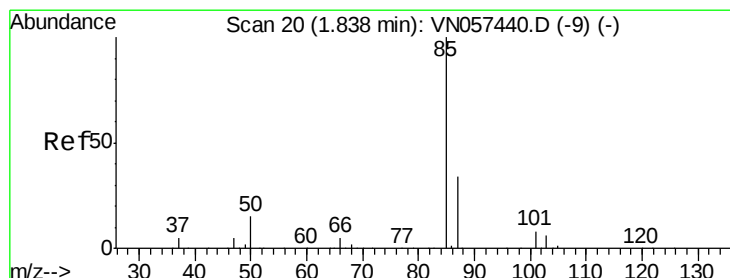
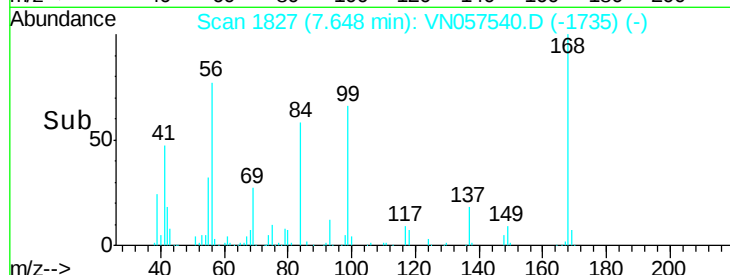
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.443 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057540.D

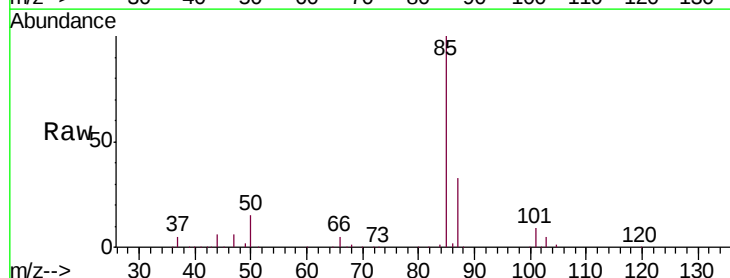
Acq: 27 Aug 2019 4:00

Tgt Ion: 85 Resp: 176038

Ion Ratio Lower Upper

85 100

87 32.8 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

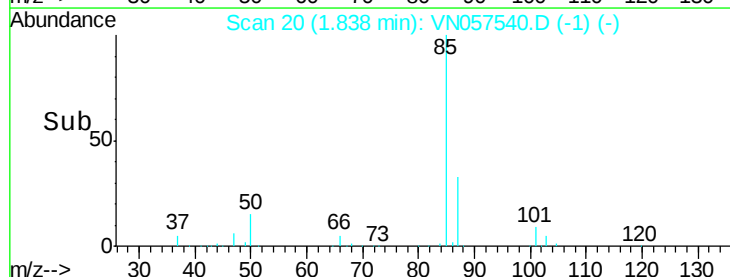
150000

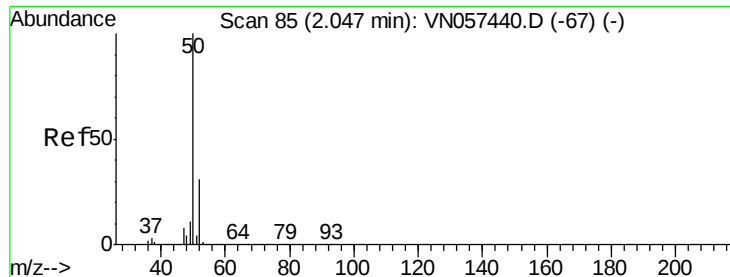
100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.952 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

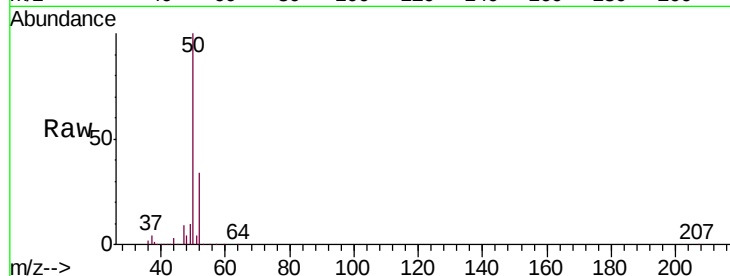
VSTDCCC050EC

Tgt Ion: 50 Resp: 242992

Ion Ratio Lower Upper

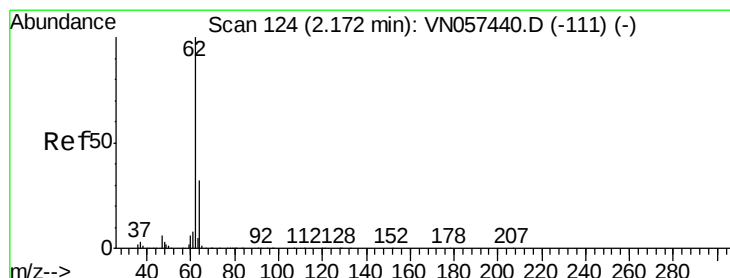
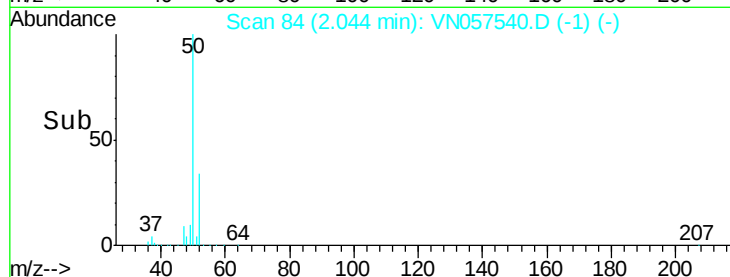
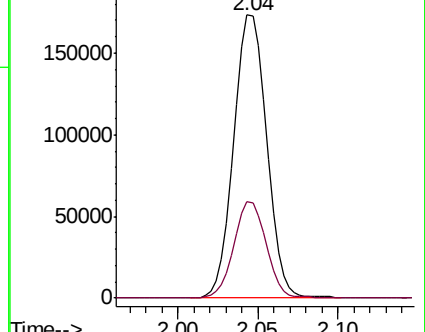
50 100

52 34.1 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VN057540.D (-67) (-)

Ion 51.90 (51.60 to 52.60): VN057540.D (-67) (-)



#4

Vinyl Chloride

Concen: 45.853 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057540.D

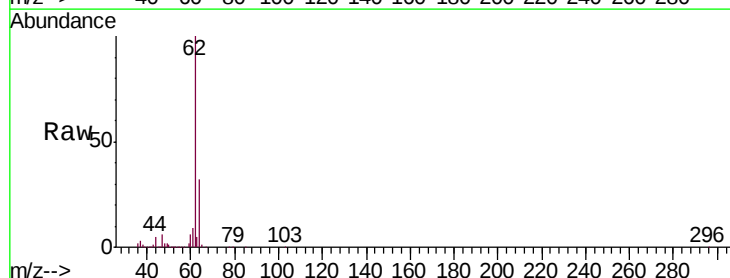
Acq: 27 Aug 2019 4:00

Tgt Ion: 62 Resp: 315740

Ion Ratio Lower Upper

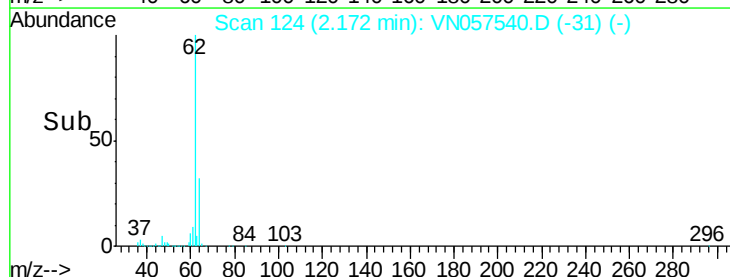
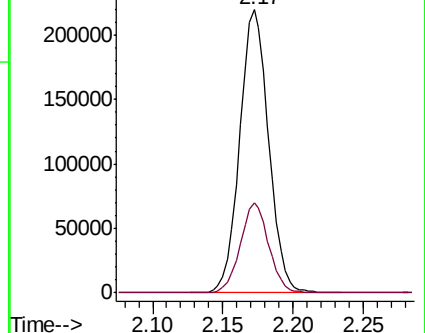
62 100

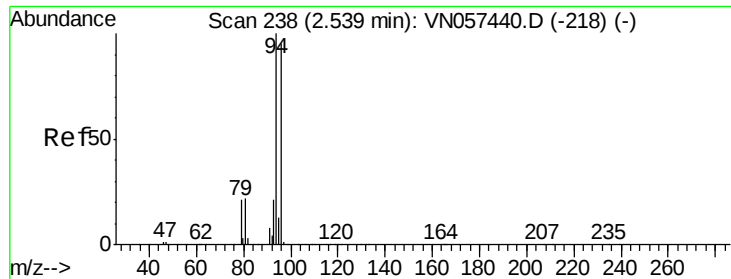
64 31.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN057540.D (-111) (-)

Ion 63.90 (63.60 to 64.60): VN057540.D (-111) (-)

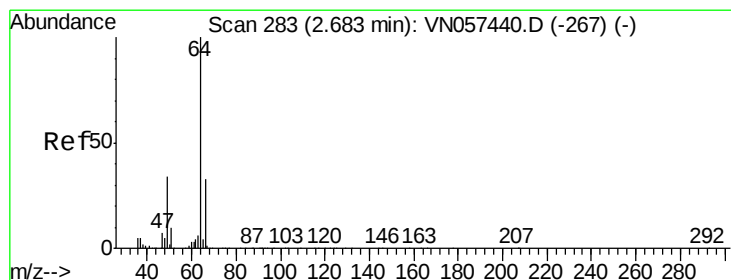
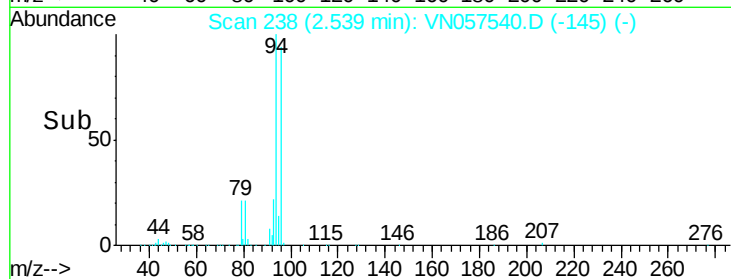
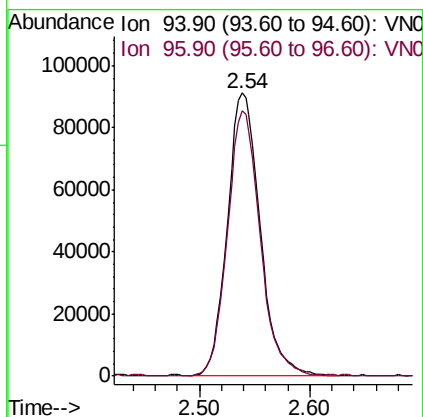
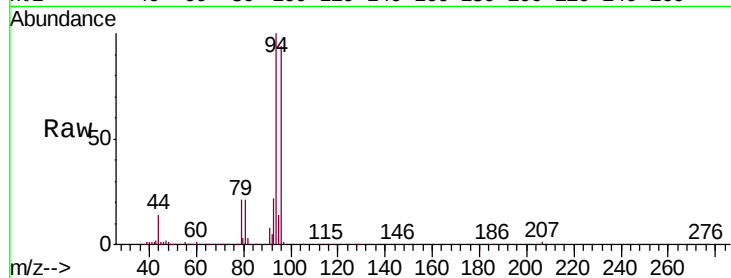




#5
Bromomethane
Concen: 44.347 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

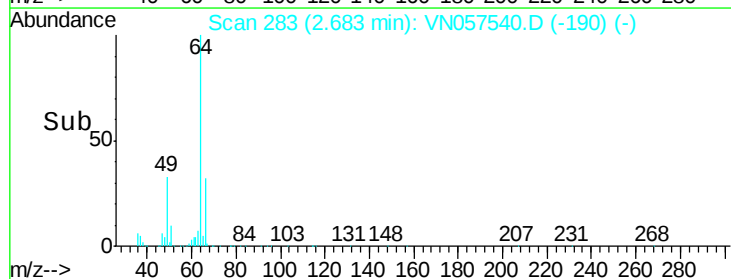
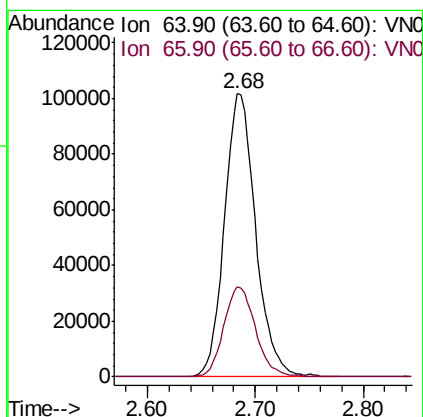
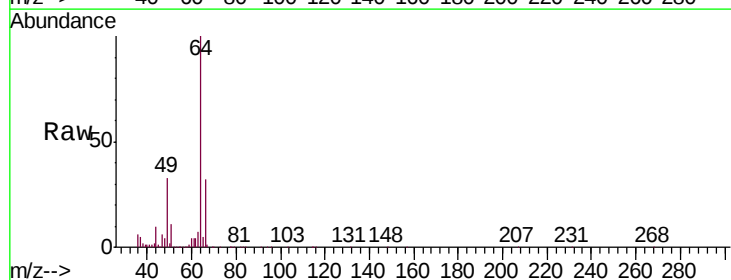
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

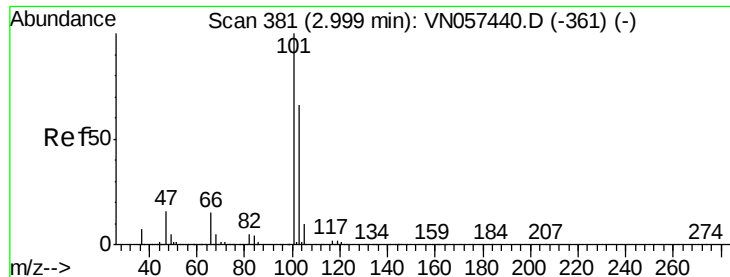
Tgt Ion: 94 Resp: 188188
Ion Ratio Lower Upper
94 100
96 93.4 76.2 114.4



#6
Chloroethane
Concen: 46.282 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 64 Resp: 204998
Ion Ratio Lower Upper
64 100
66 32.0 26.8 40.2



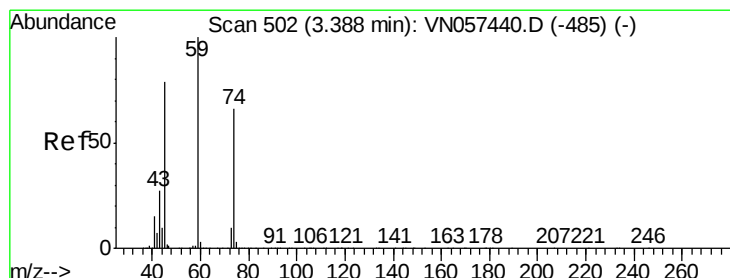
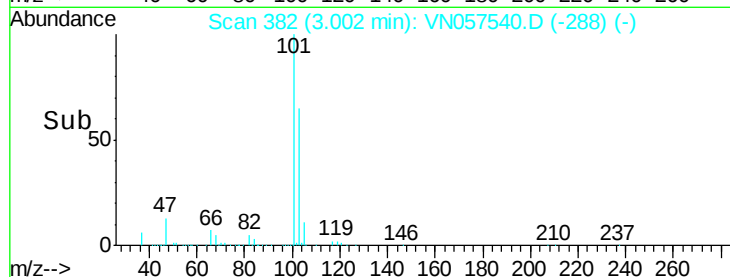
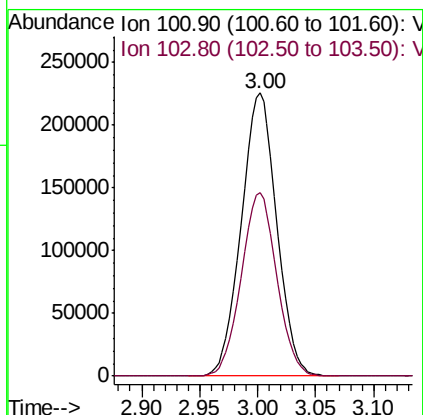
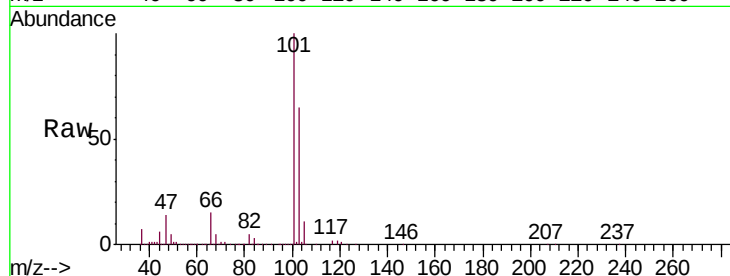


#7

Trichlorofluoromethane
Concen: 44.915 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

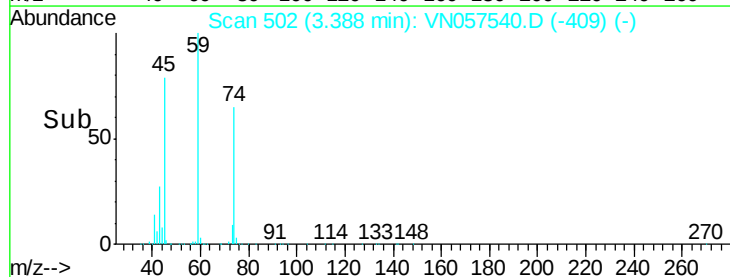
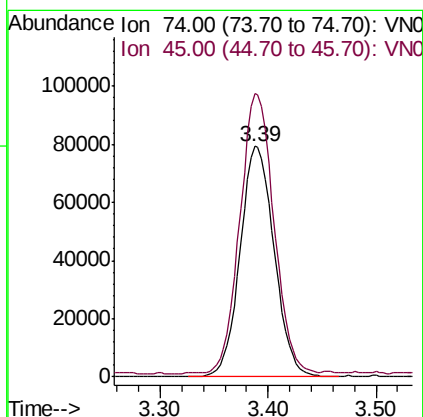
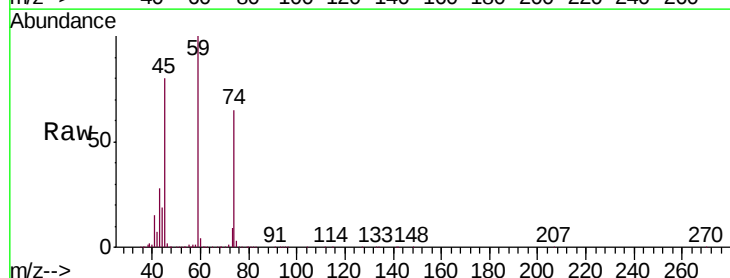
Tgt Ion:101 Resp: 480066
Ion Ratio Lower Upper
101 100
103 64.9 52.6 78.8

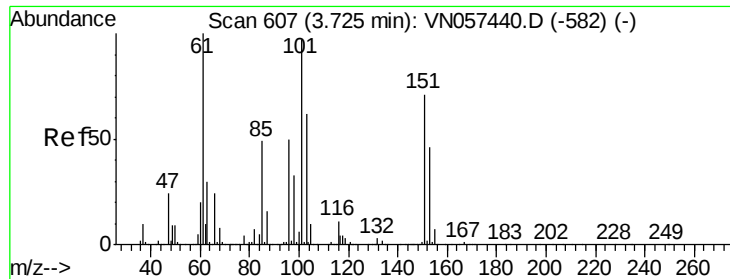


#8

Diethyl Ether
Concen: 48.478 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 74 Resp: 174432
Ion Ratio Lower Upper
74 100
45 122.3 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.326 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

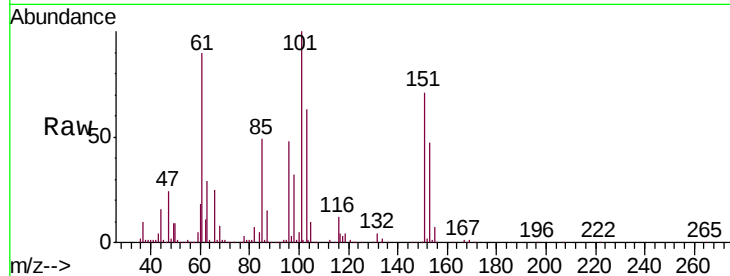
Tgt Ion:101 Resp: 258735

Ion Ratio Lower Upper

101 100

85 49.8 40.0 60.0

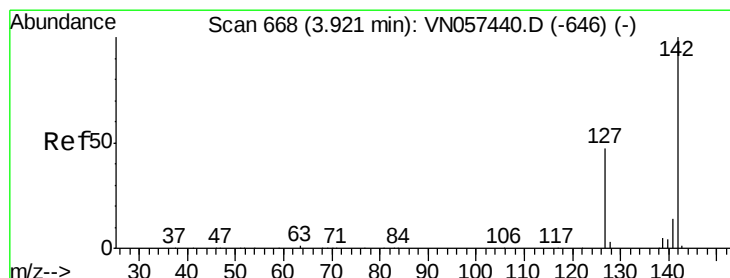
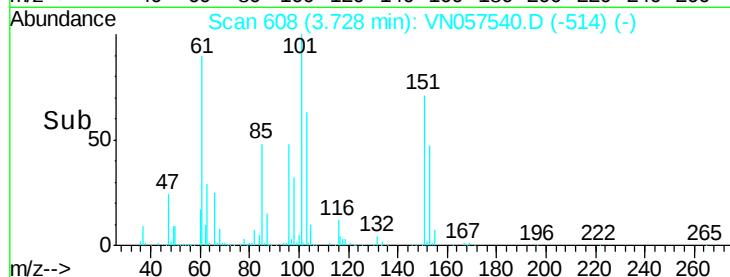
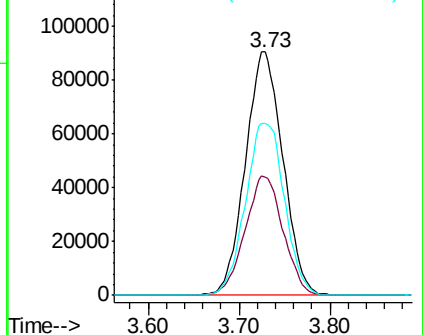
151 73.5 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.468 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

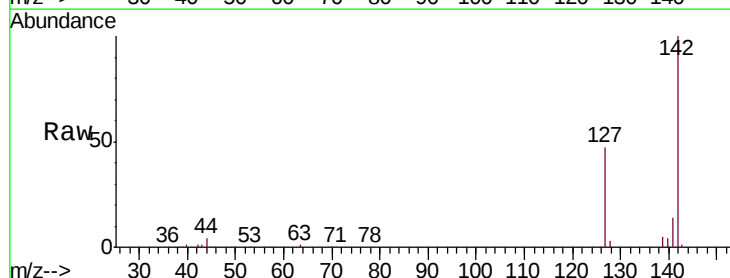
Tgt Ion:142 Resp: 202806

Ion Ratio Lower Upper

142 100

127 47.8 37.8 56.8

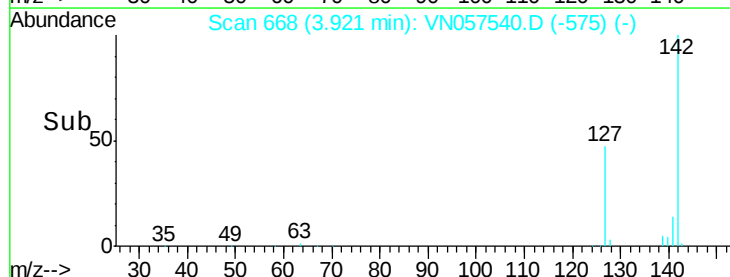
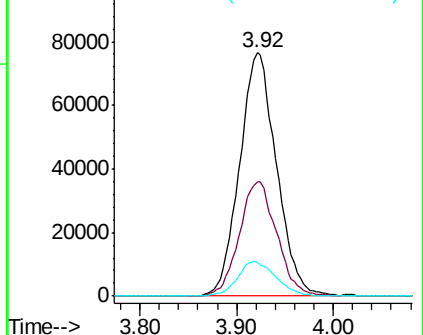
141 14.8 11.9 17.9

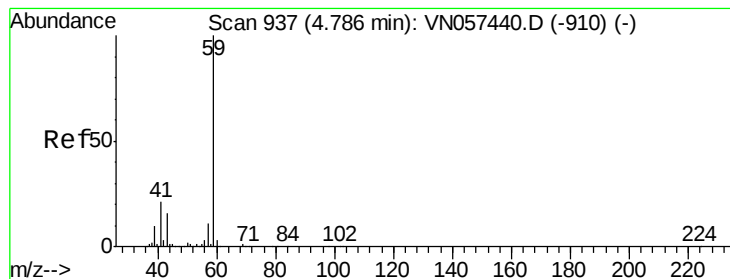


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



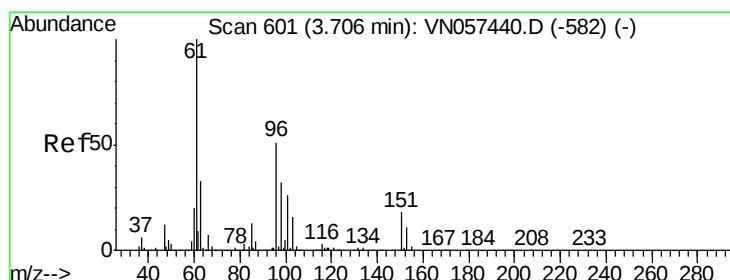
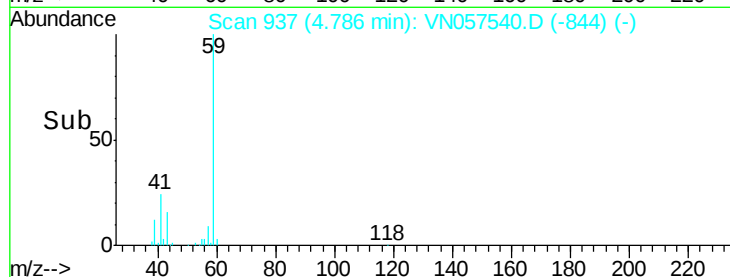
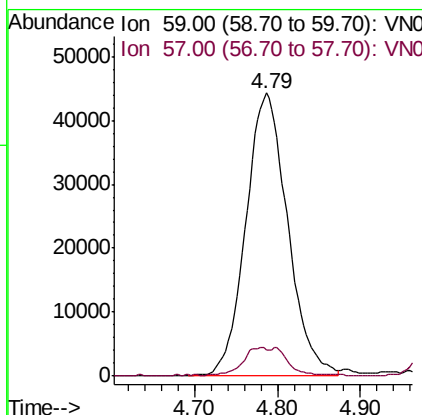
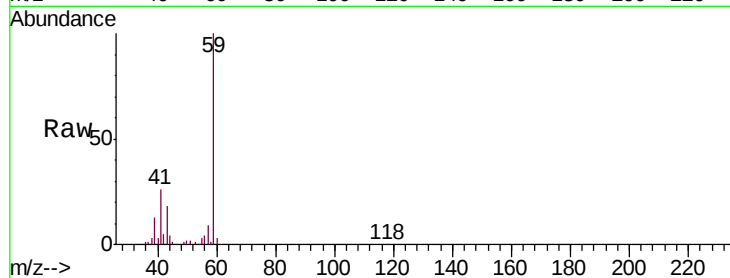


#11

Tert butyl alcohol
 Concen: 211.688 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

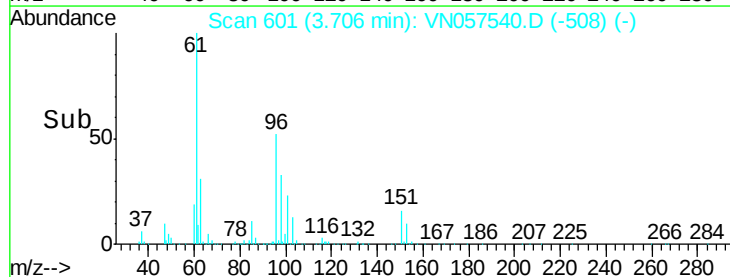
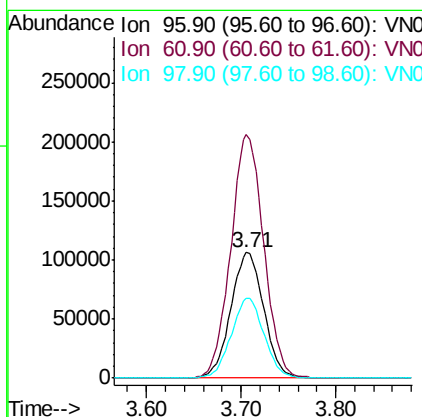
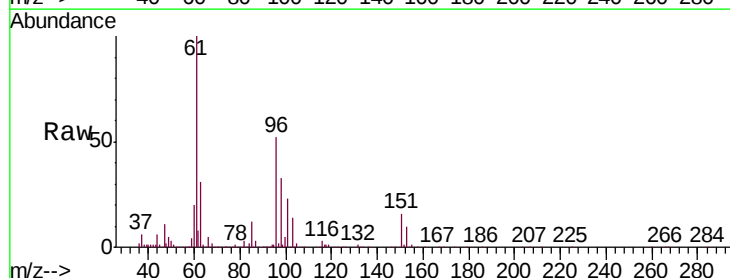
Tgt Ion: 59 Resp: 155303
 Ion Ratio Lower Upper
 59 100
 57 6.3 9.1 13.7#

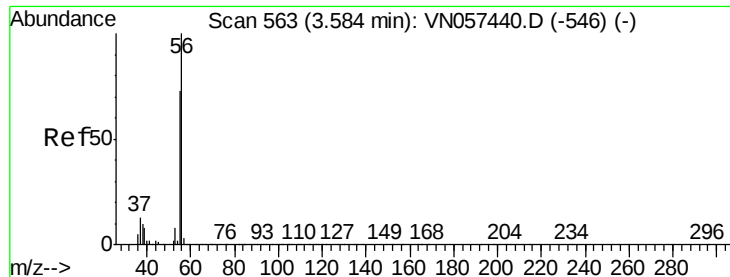


#12

1,1-Dichloroethene
 Concen: 45.032 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion: 96 Resp: 257286
 Ion Ratio Lower Upper
 96 100
 61 193.7 155.3 232.9
 98 63.8 50.2 75.2





#13

Acrolein

Concen: 299.930 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

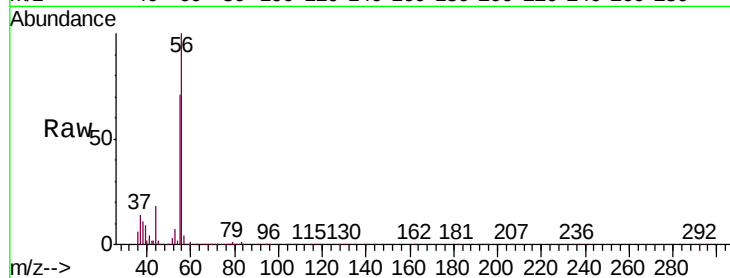
VSTDCCC050EC

Tgt Ion: 56 Resp: 193486

Ion Ratio Lower Upper

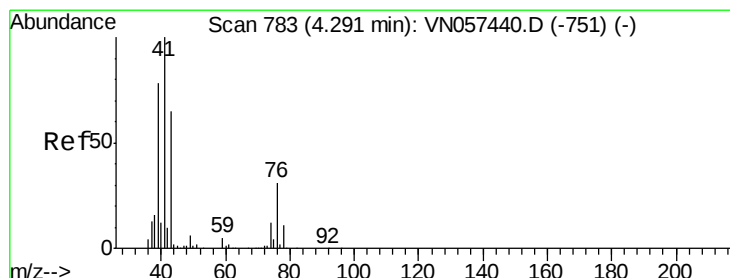
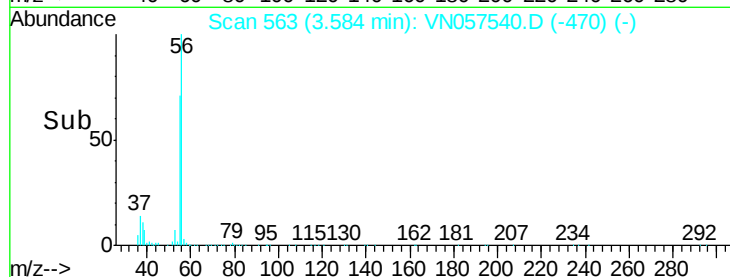
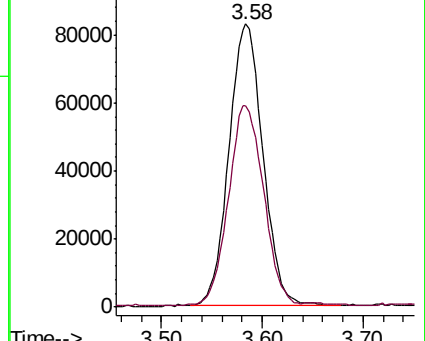
56 100

55 73.3 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.852 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

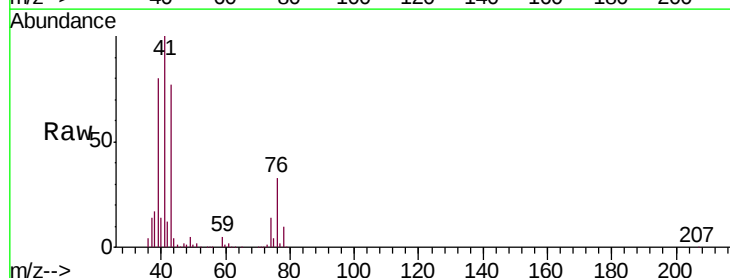
Tgt Ion: 41 Resp: 324246

Ion Ratio Lower Upper

41 100

39 76.3 57.4 86.2

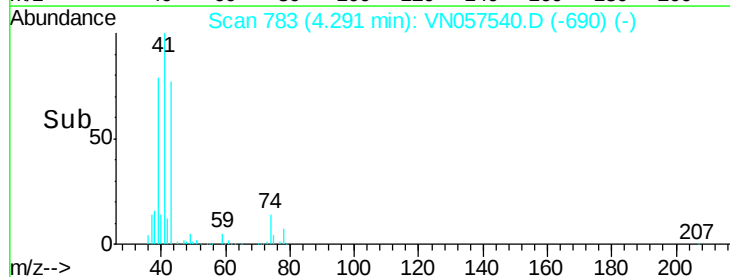
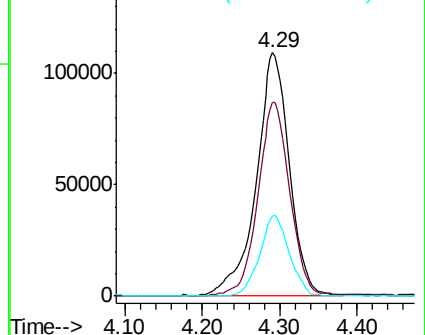
76 29.9 22.9 34.3

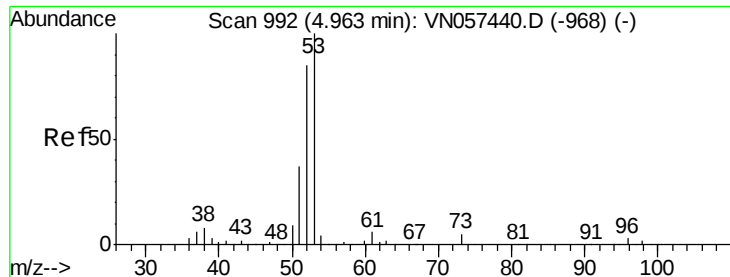


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 247.197 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

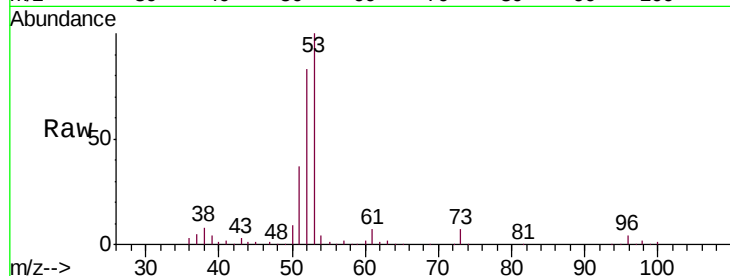
Tgt Ion: 53 Resp: 489075

Ion Ratio Lower Upper

53 100

52 81.8 67.0 100.6

51 37.3 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN057440.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN057440.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN057440.D (-968) (-)

200000

150000

100000

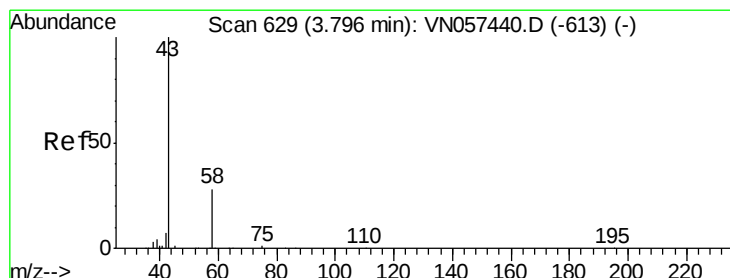
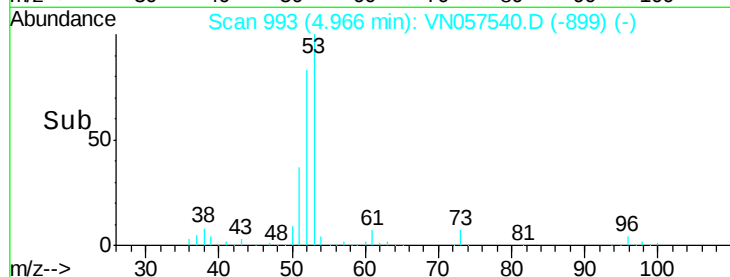
50000

0

4.97

4.80 4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 189.929 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.01 min

Lab File: VN057540.D

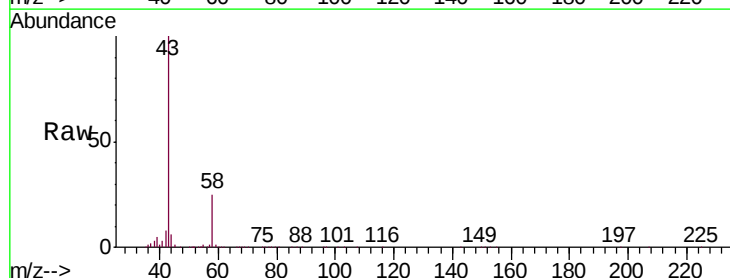
Acq: 27 Aug 2019 4:00

Tgt Ion: 43 Resp: 515024

Ion Ratio Lower Upper

43 100

58 24.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-613) (-)

Ion 58.00 (57.70 to 58.70): VN057440.D (-613) (-)

200000

150000

100000

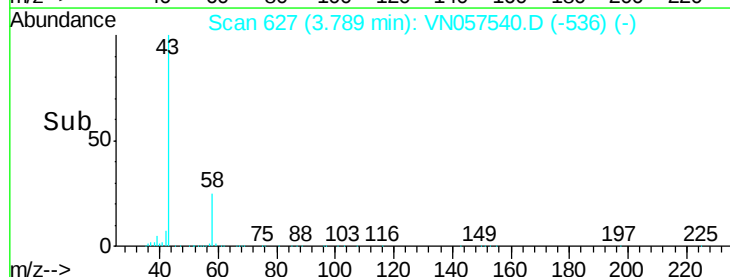
50000

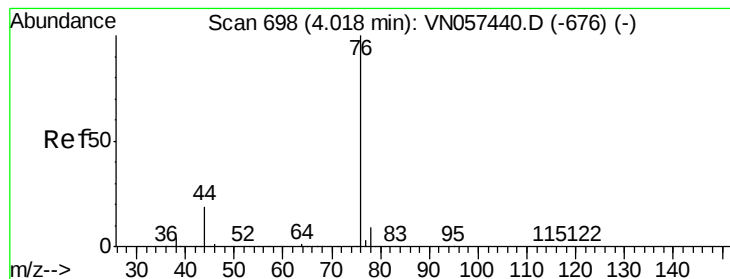
0

3.79

3.70 3.80 3.90

Time-->





#17

Carbon Disulfide

Concen: 37.639 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

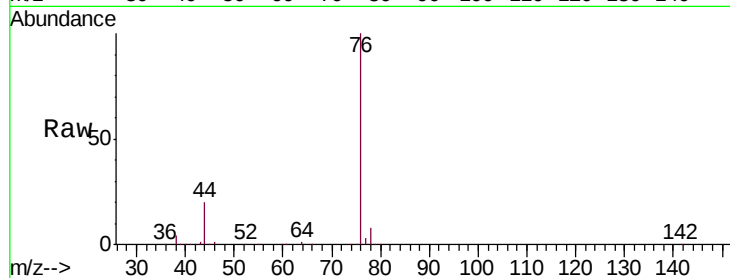
VSTDCCC050EC

Tgt Ion: 76 Resp: 410209

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

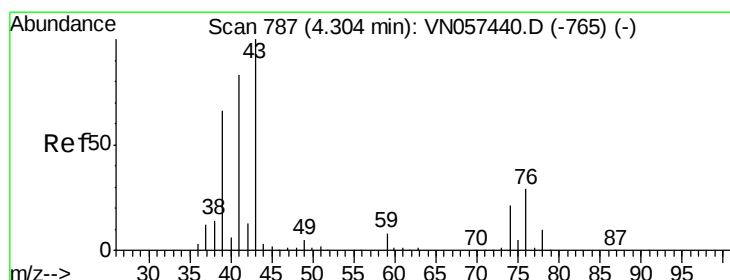
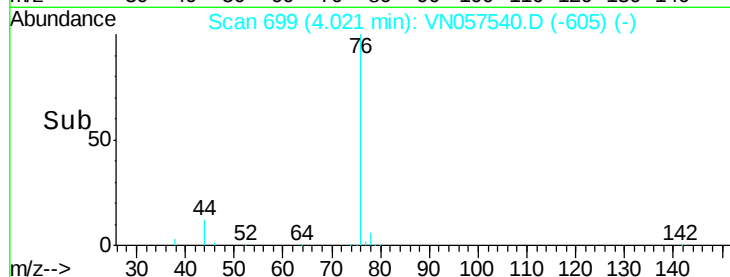
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.740 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057540.D

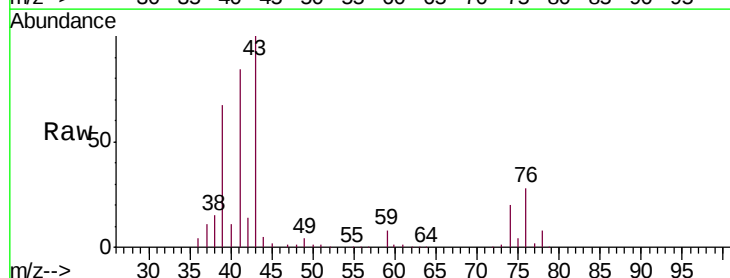
Acq: 27 Aug 2019 4:00

Tgt Ion: 43 Resp: 296844

Ion Ratio Lower Upper

43 100

74 19.3 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

120000

100000

80000

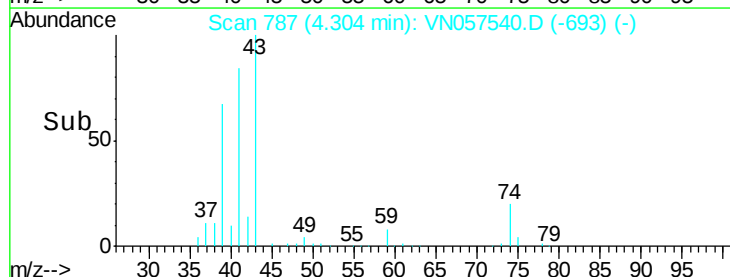
60000

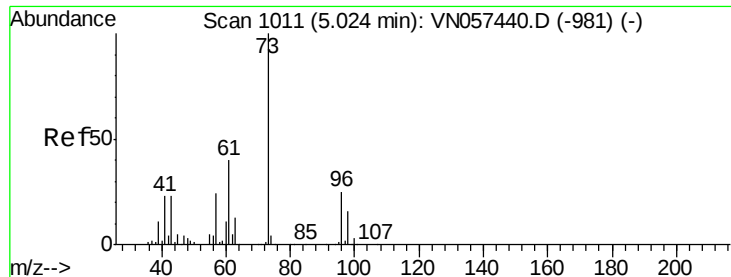
40000

20000

0

Time-->



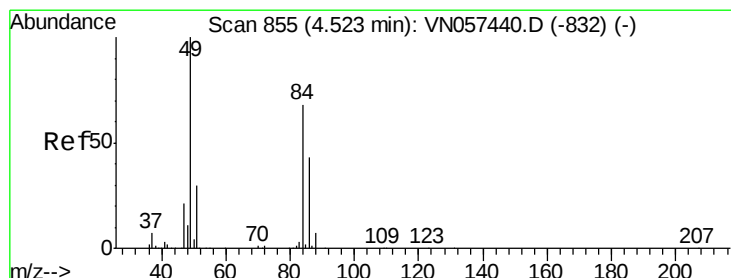
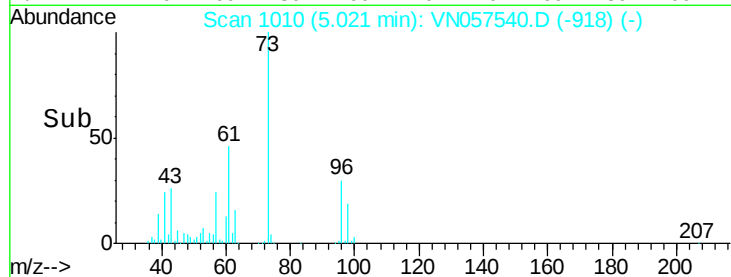
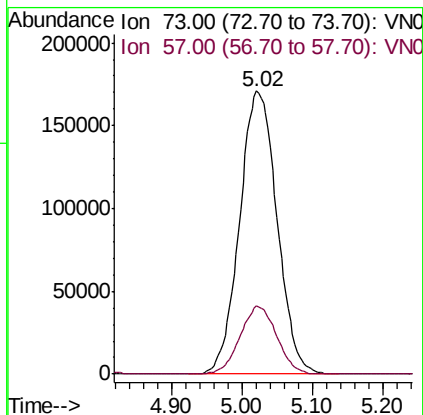
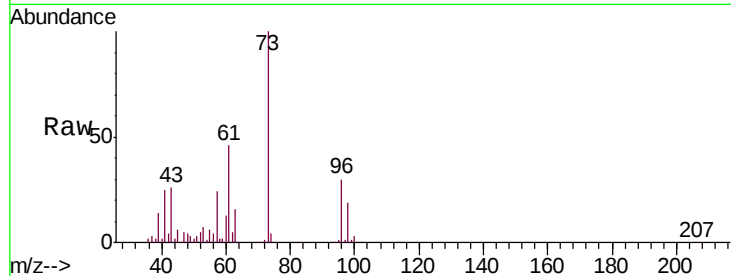


#19

Methyl tert-butyl Ether
 Concen: 45.855 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

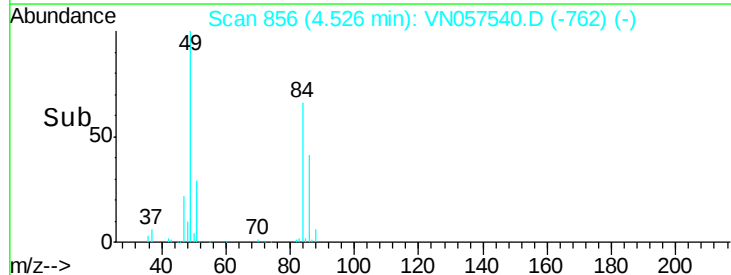
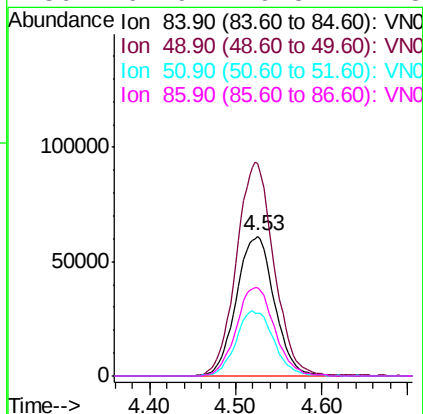
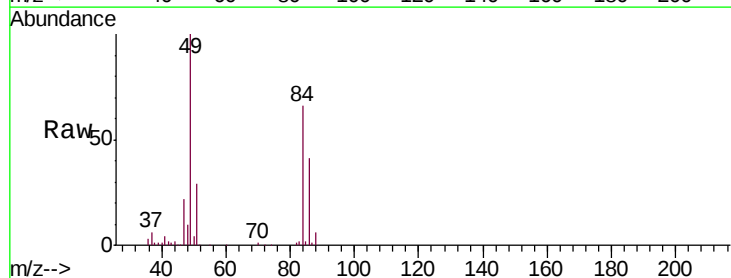
Tgt Ion: 73 Resp: 632424
 Ion Ratio Lower Upper
 73 100
 57 23.9 19.1 28.7

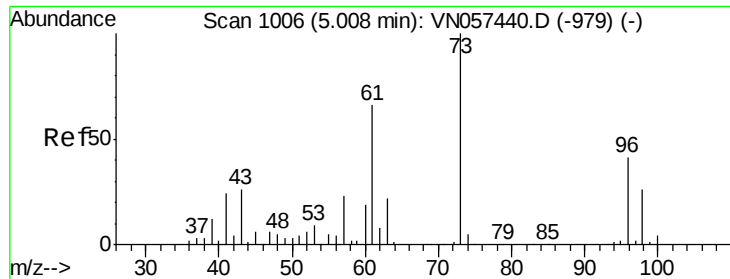


#20

Methylene Chloride
 Concen: 46.589 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion: 84 Resp: 187328
 Ion Ratio Lower Upper
 84 100
 49 151.7 117.0 175.4
 51 44.6 35.5 53.3
 86 62.9 49.8 74.8

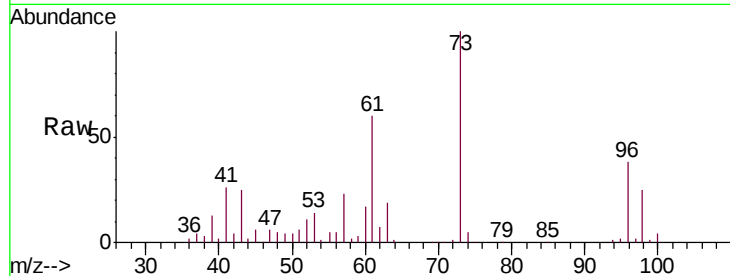




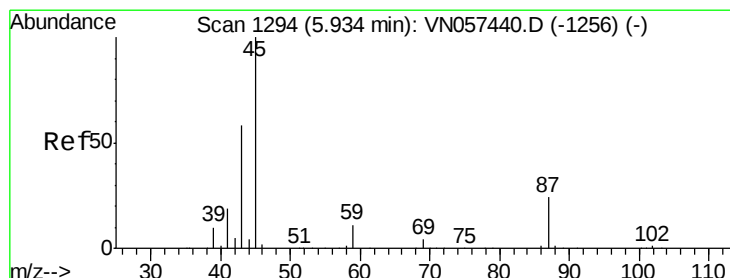
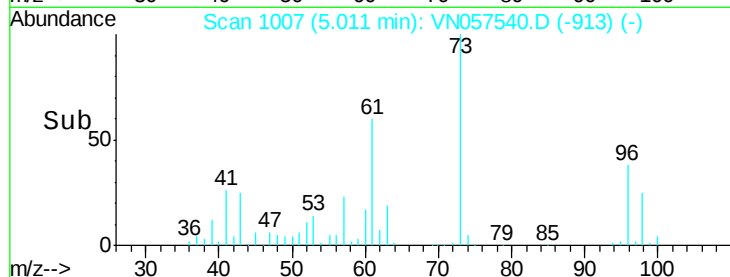
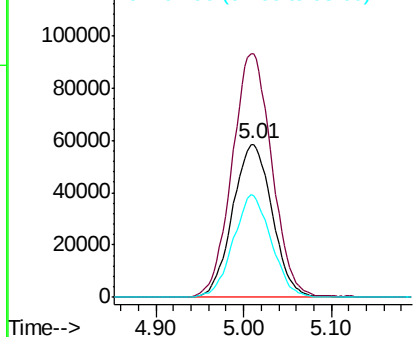
#21
trans-1,2-Dichloroethene
Concen: 45.469 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 183319
Ion Ratio Lower Upper
96 100
61 158.5 127.9 191.9
98 66.5 50.6 76.0

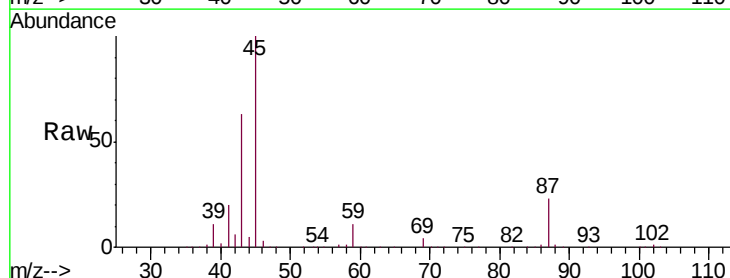


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

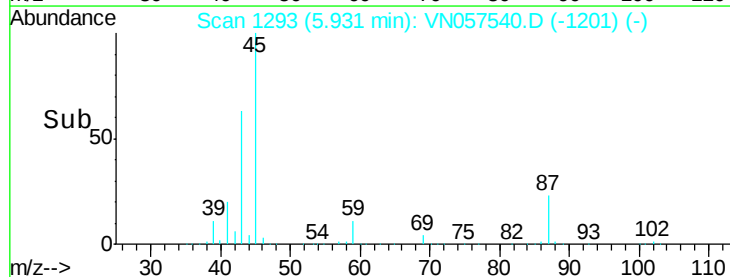
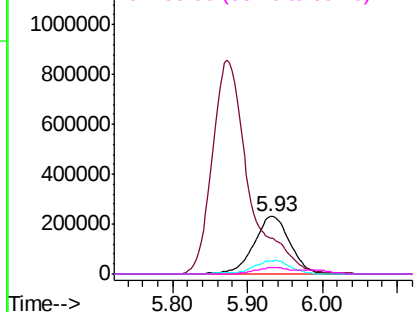


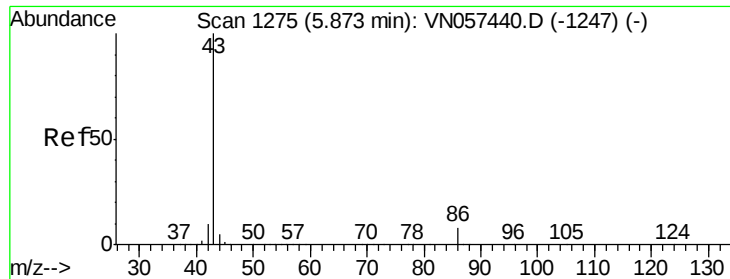
#22
Diisopropyl ether
Concen: 47.690 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 45 Resp: 773073
Ion Ratio Lower Upper
45 100
43 61.6 46.9 70.3
87 23.2 19.3 28.9
59 11.0 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 229.748 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

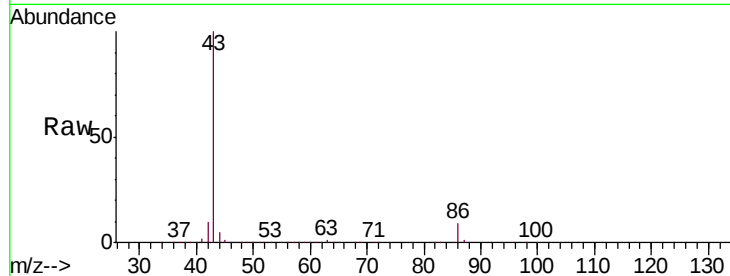
VSTDCCC050EC

Tgt Ion: 43 Resp: 2908900

Ion Ratio Lower Upper

43 100

86 8.6 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

800000

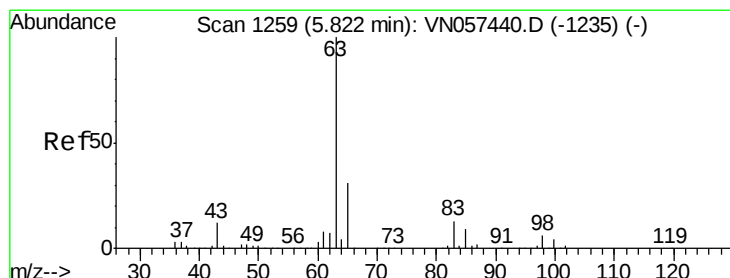
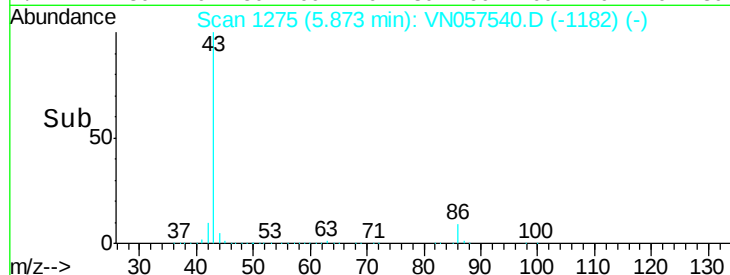
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.030 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

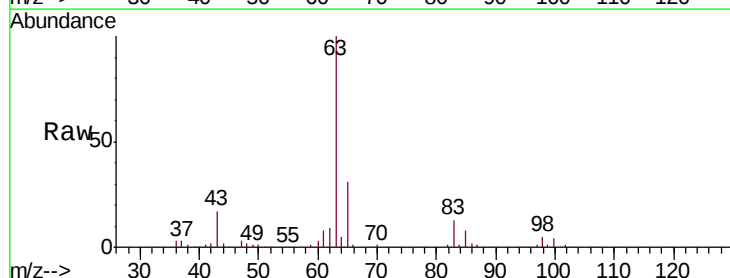
Tgt Ion: 63 Resp: 412618

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.6

100 3.7 2.1 6.3



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

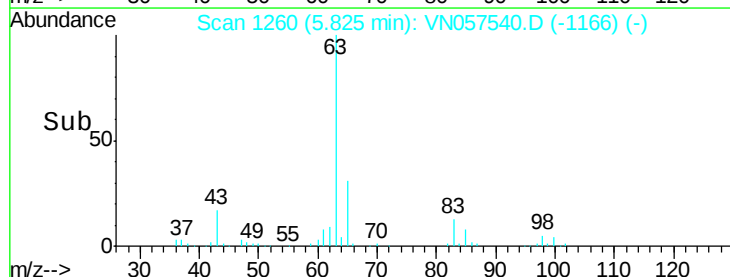
150000

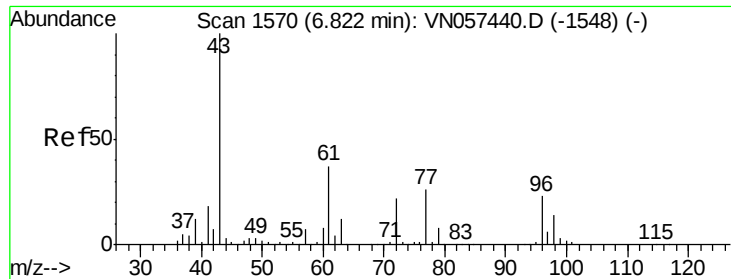
100000

50000

0

Time-->

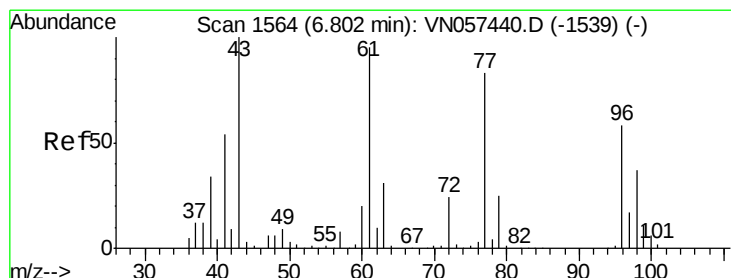
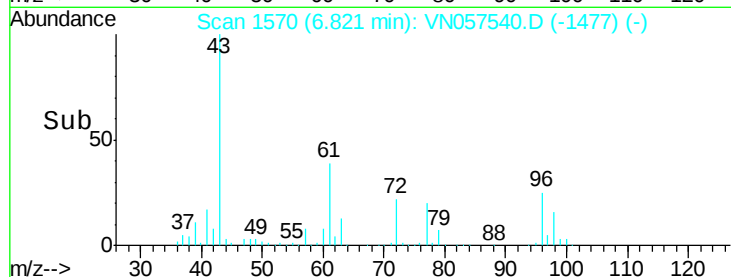
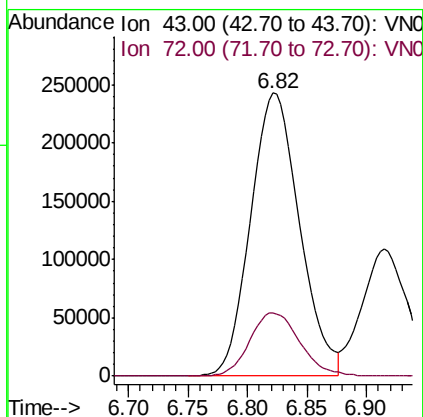
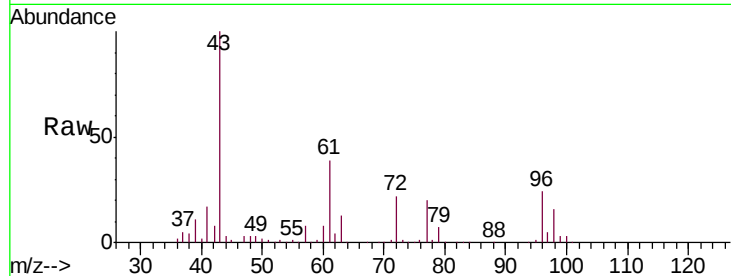




#25
2-Butanone
Concen: 234.250 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

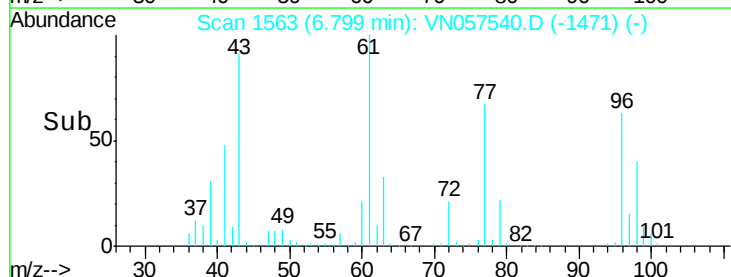
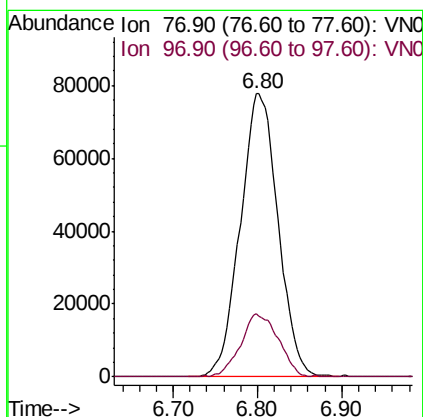
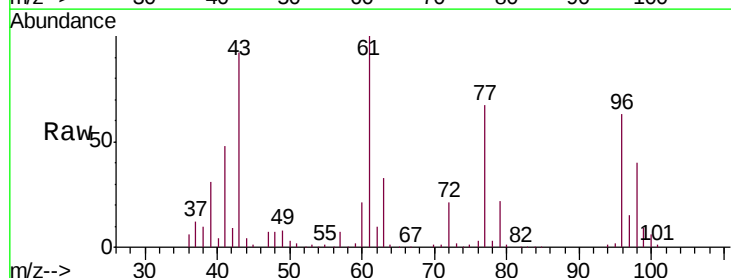
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

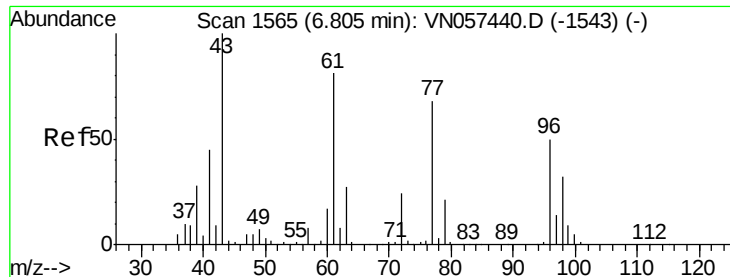
Tgt Ion: 43 Resp: 689753
Ion Ratio Lower Upper
43 100
72 22.5 17.8 26.8



#26
2,2-Dichloropropane
Concen: 32.517 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 77 Resp: 241914
Ion Ratio Lower Upper
77 100
97 22.3 10.8 32.3

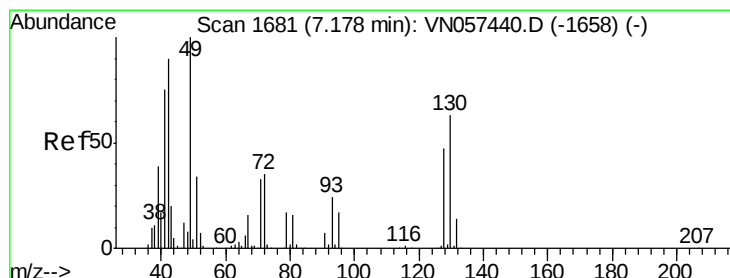
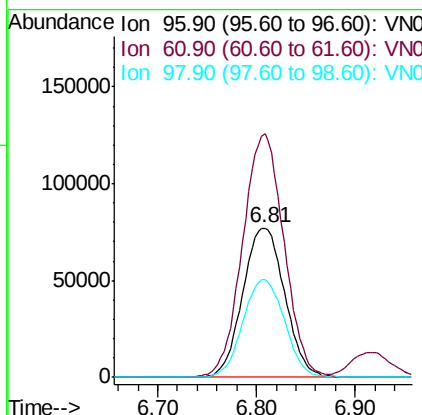
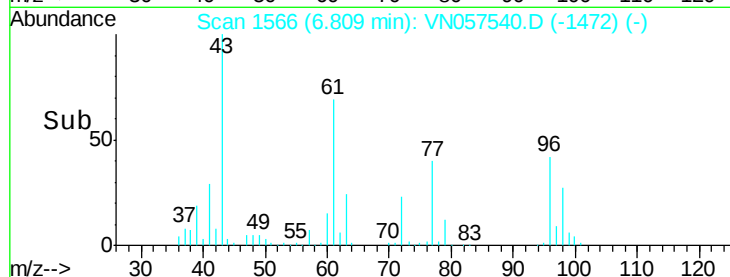
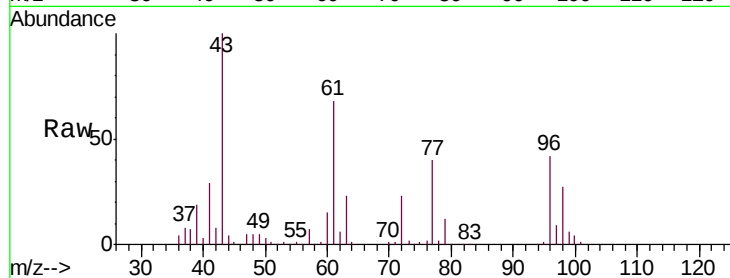




#27
 cis-1,2-Dichloroethene
 Concen: 47.443 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

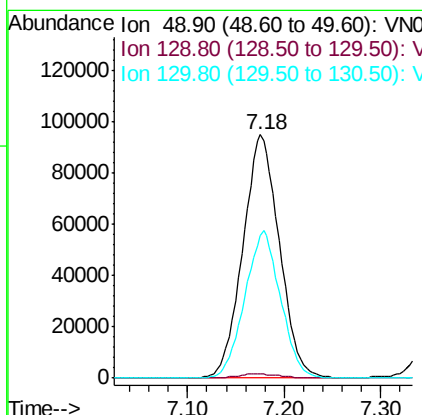
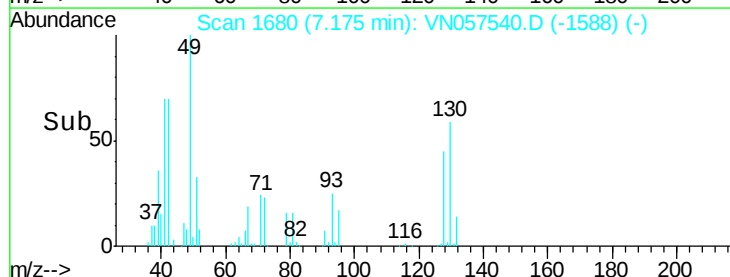
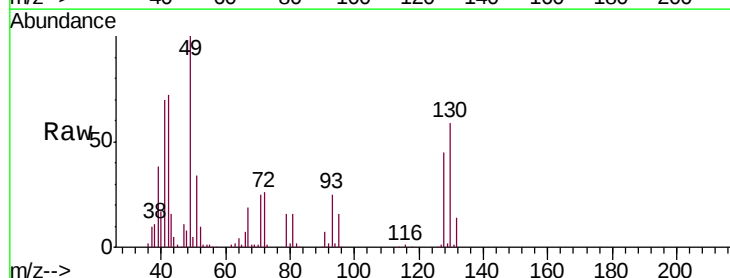
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

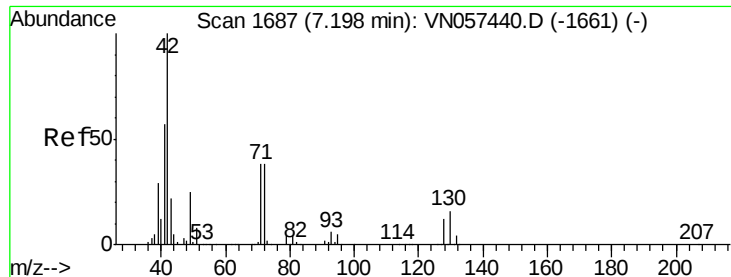
Tgt Ion: 96 Resp: 226743
 Ion Ratio Lower Upper
 96 100
 61 160.6 0.0 334.8
 98 65.0 0.0 127.4



#28
 Bromochloromethane
 Concen: 53.776 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion: 49 Resp: 248790
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.6
 130 58.9 48.6 72.8

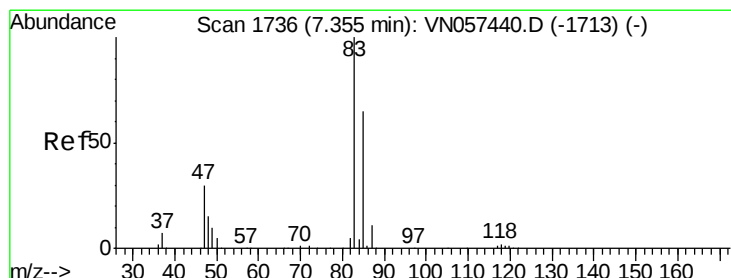
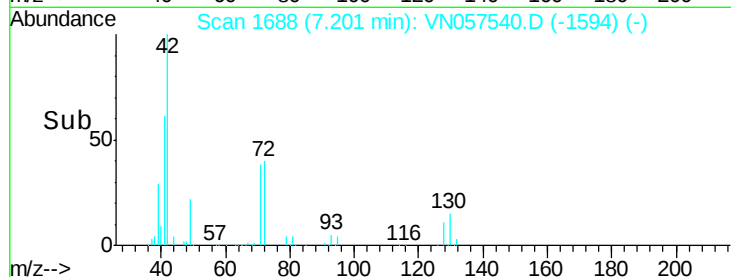
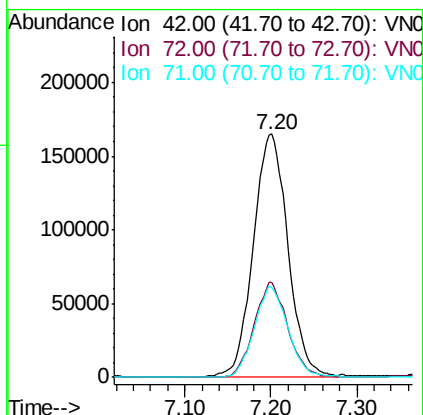
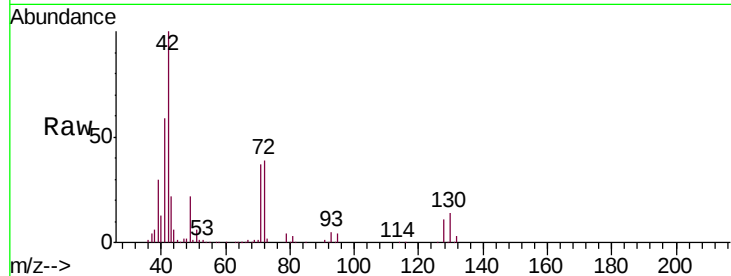




#29
Tetrahydrofuran
Concen: 237.945 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

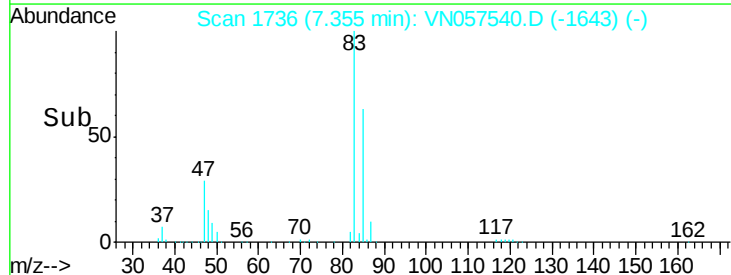
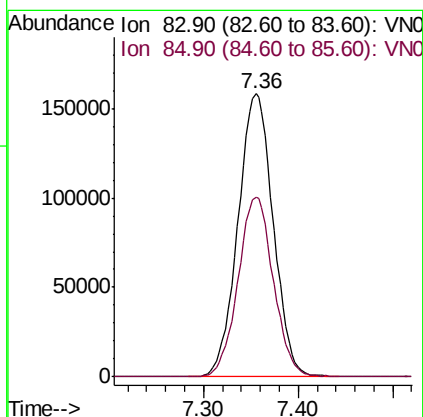
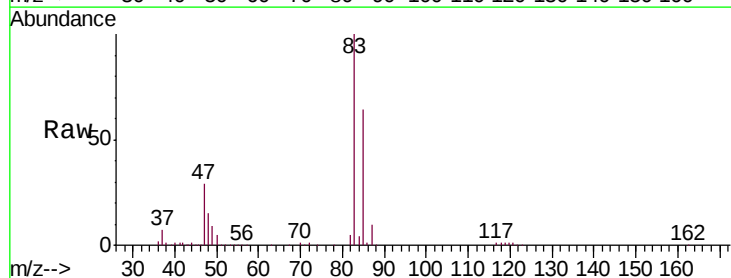
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

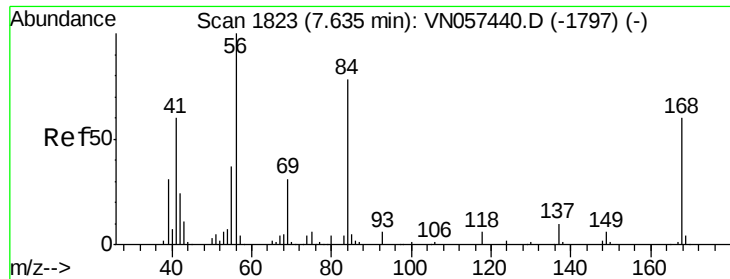
Tgt Ion: 42 Resp: 461994
Ion Ratio Lower Upper
42 100
72 37.9 30.1 45.1
71 36.3 28.8 43.2



#30
Chloroform
Concen: 51.315 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 83 Resp: 409017
Ion Ratio Lower Upper
83 100
85 63.6 51.9 77.9

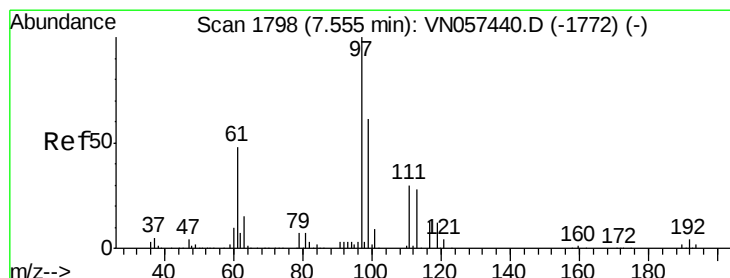
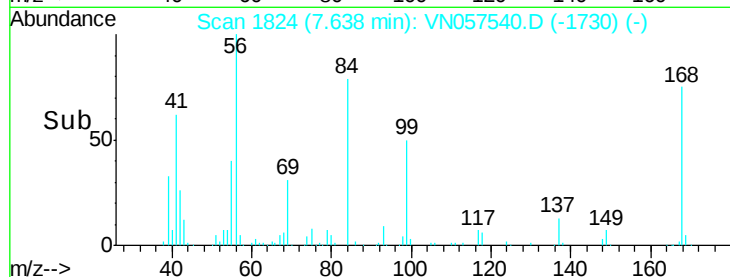
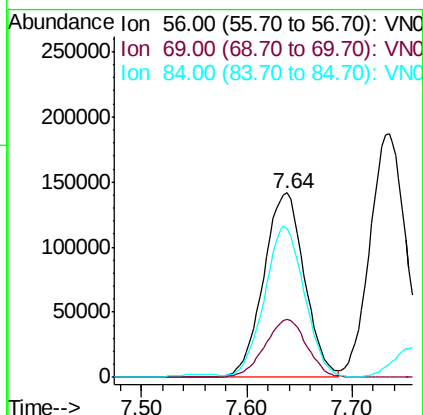
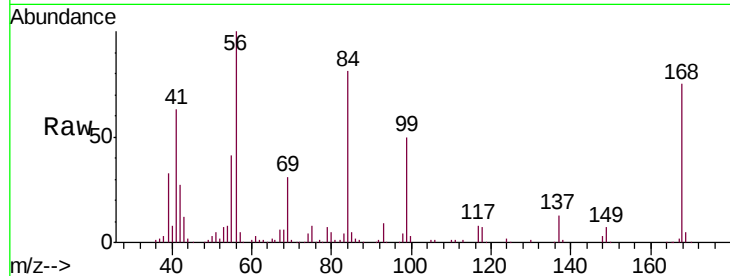




#31
Cyclohexane
Concen: 45.893 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

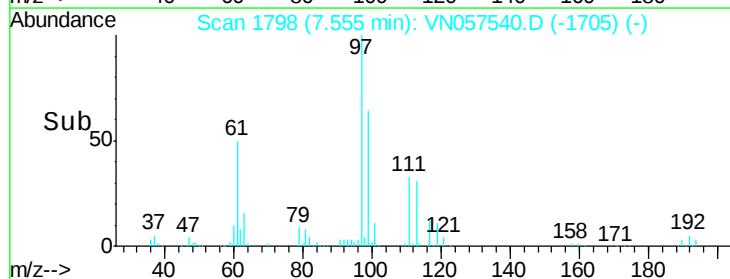
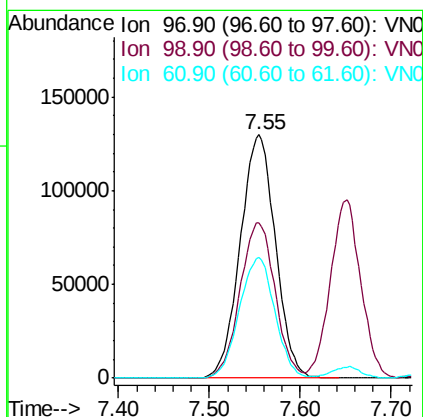
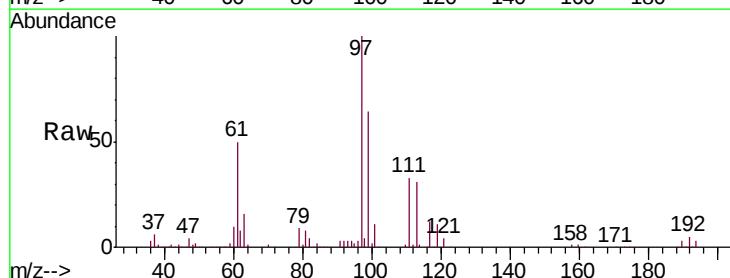
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

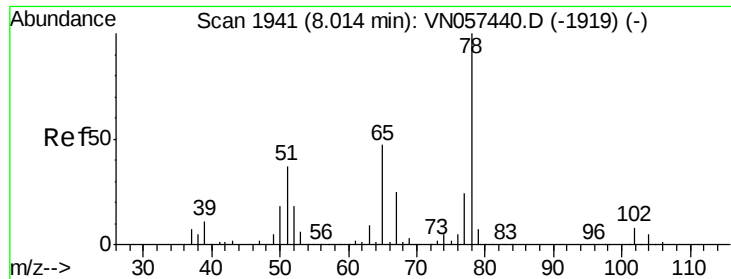
Tgt Ion: 56 Resp: 380662
Ion Ratio Lower Upper
56 100
69 31.4 25.0 37.6
84 79.4 62.5 93.7



#32
1,1,1-Trichloroethane
Concen: 47.312 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 97 Resp: 348655
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.6
61 49.6 39.8 59.6

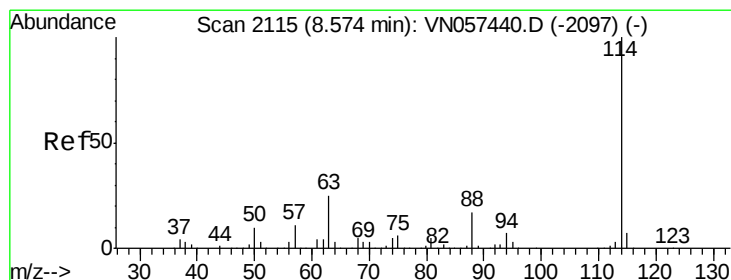
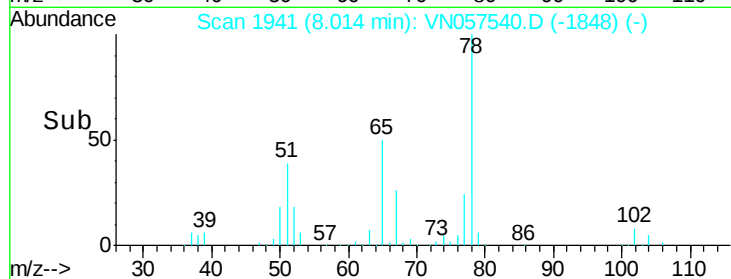
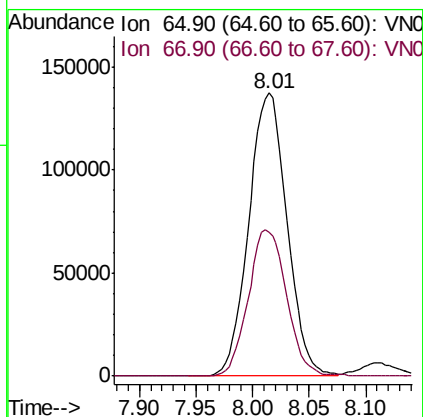
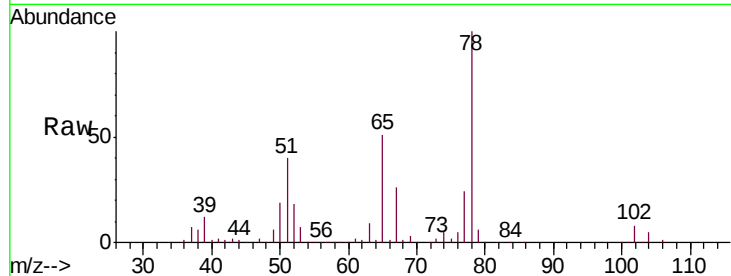




#33
 1,2-Dichloroethane-d4
 Concen: 54.685 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

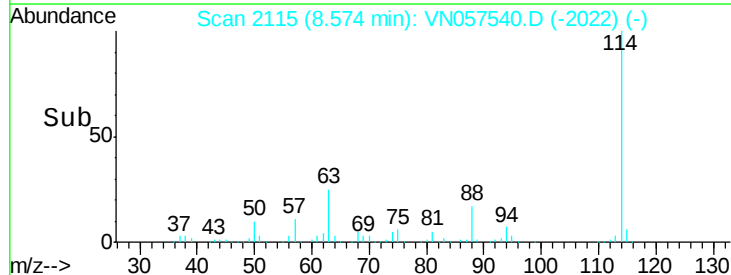
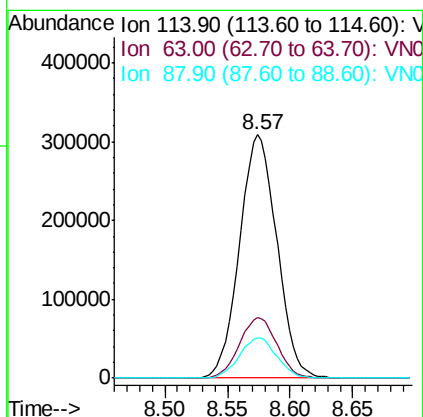
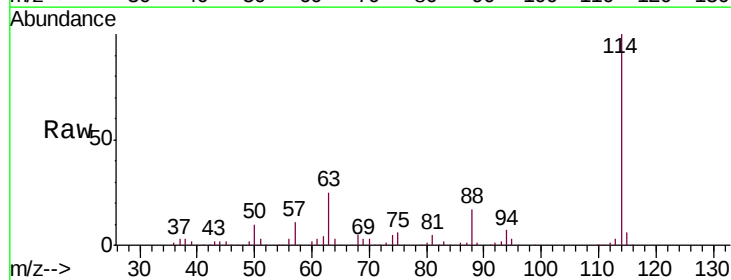
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

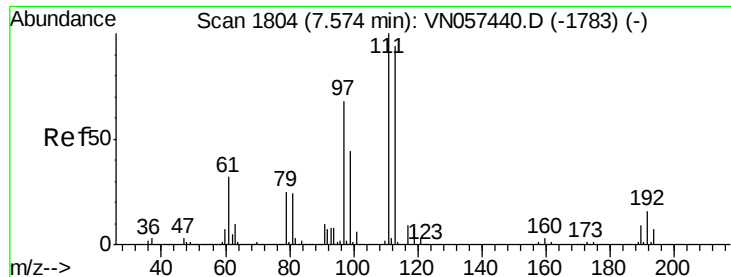
Tgt Ion: 65 Resp: 322896
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion: 114 Resp: 639095
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 50.2
 88 16.6 0.0 34.6





#35

Dibromofluoromethane

Concen: 50.878 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

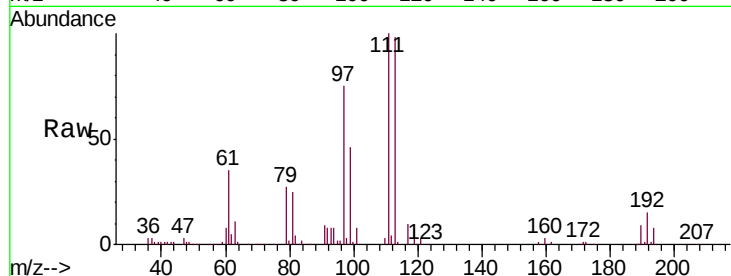
Tgt Ion:113 Resp: 219629

Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

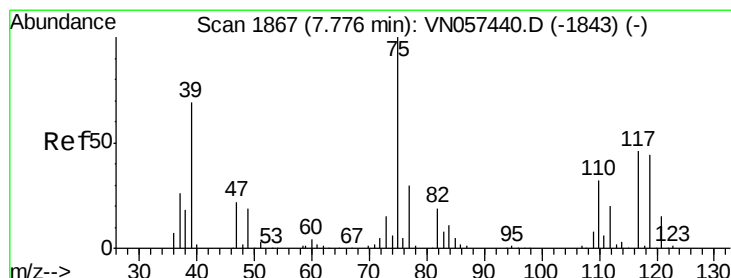
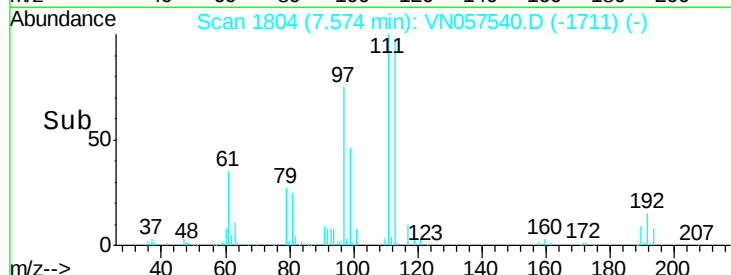
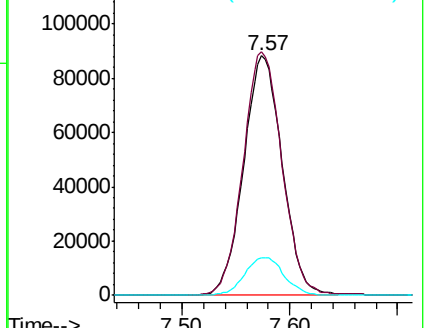
192 16.1 13.5 20.3



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: 44.978 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

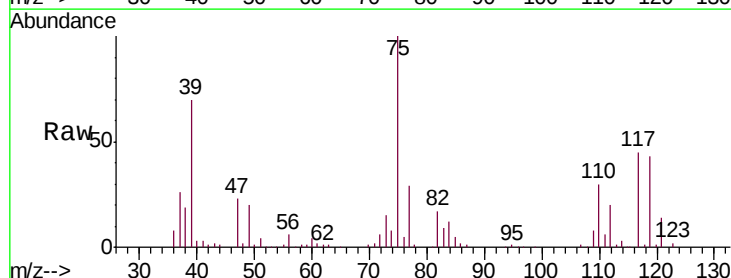
Tgt Ion: 75 Resp: 293719

Ion Ratio Lower Upper

75 100

110 31.5 16.1 48.3

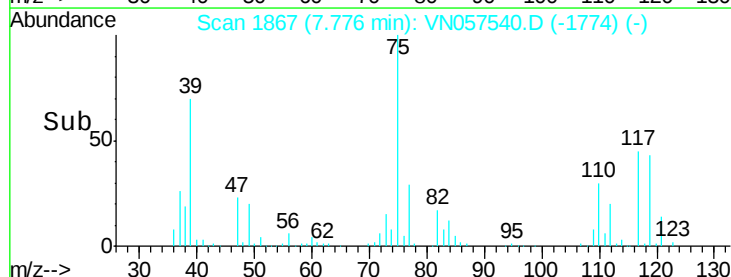
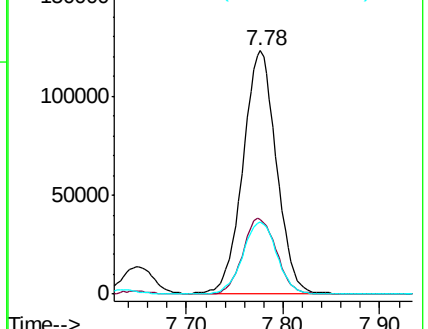
77 29.9 24.8 37.2

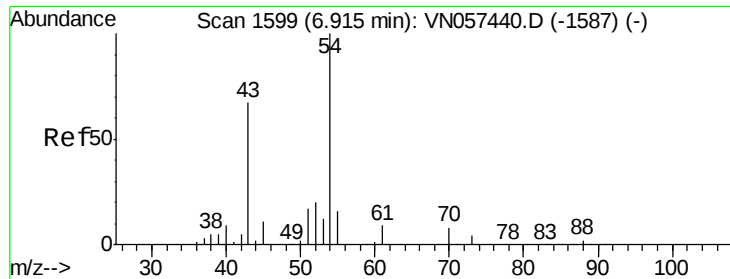


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 46.405 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

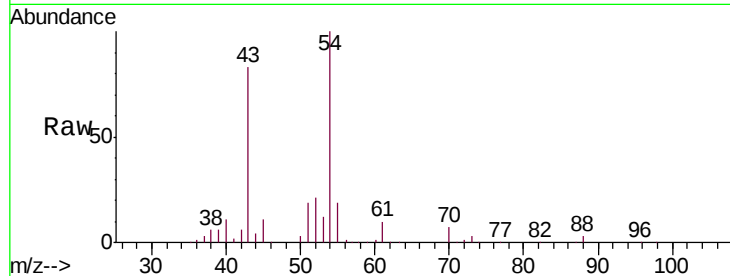
Tgt Ion: 43 Resp: 299440

Ion Ratio Lower Upper

43 100

61 12.3 9.9 14.9

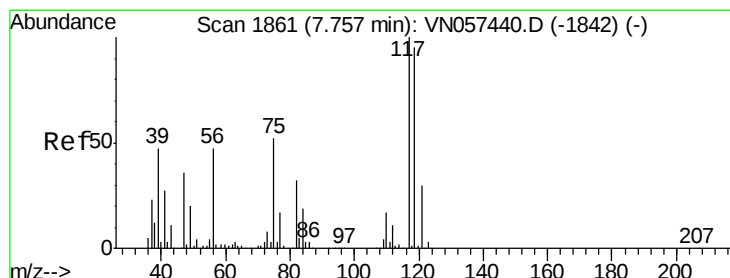
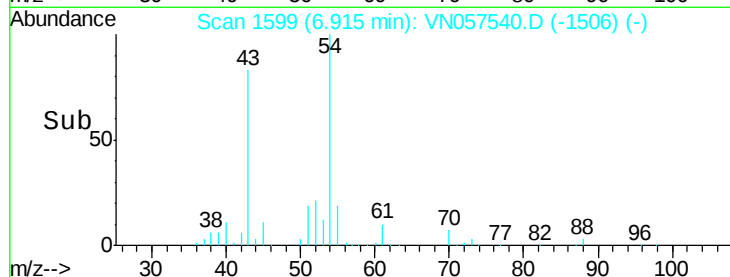
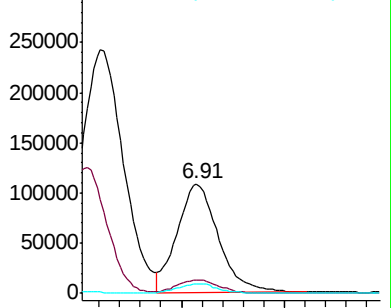
70 8.7 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN057440.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN057440.D (-1587) (-)



#38

Carbon Tetrachloride

Concen: 42.619 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

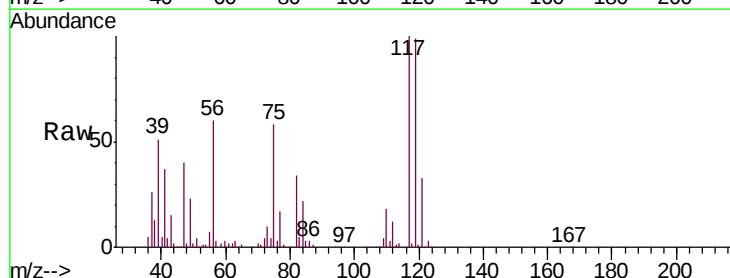
Tgt Ion: 117 Resp: 276492

Ion Ratio Lower Upper

117 100

119 99.0 76.2 114.4

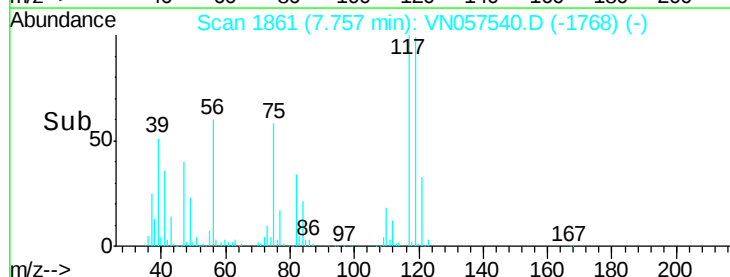
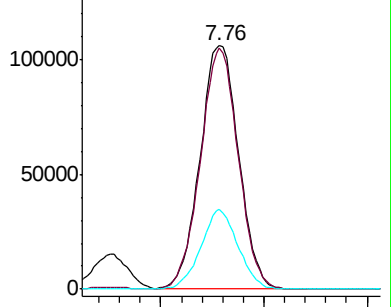
121 32.8 23.8 35.6

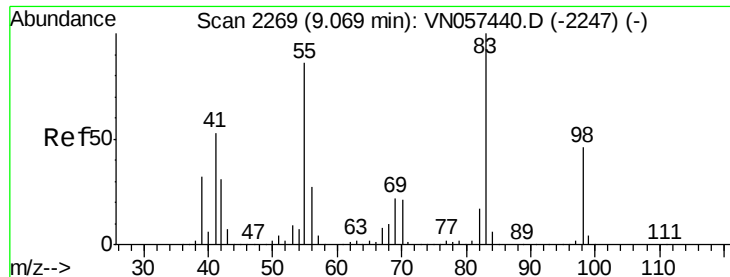


Abundance Ion 116.80 (116.50 to 117.50): VN057440.D (-1842) (-)

Ion 118.80 (118.50 to 119.50): VN057440.D (-1842) (-)

Ion 120.80 (120.50 to 121.50): VN057440.D (-1842) (-)

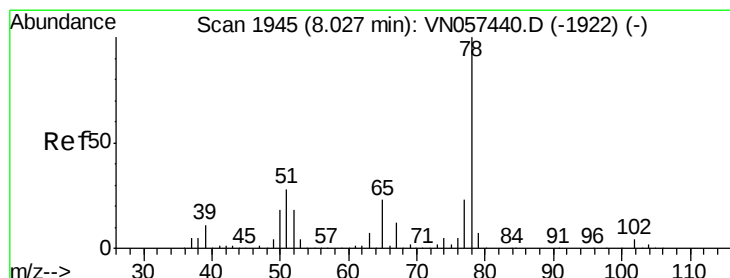
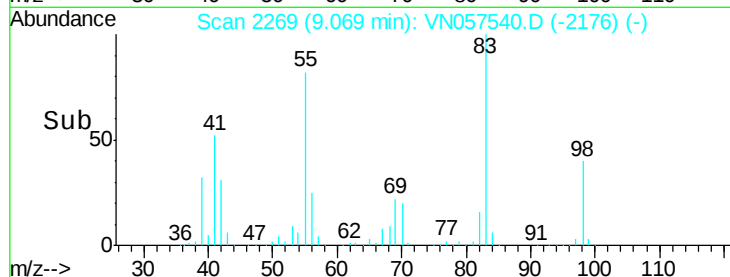
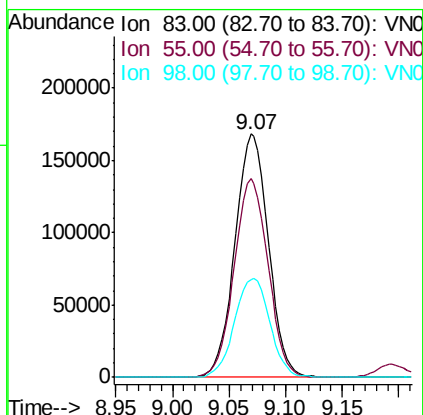
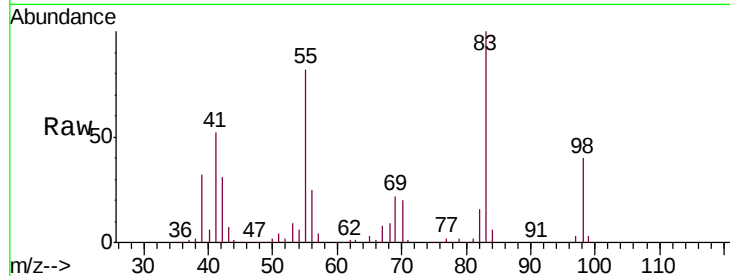




#39
Methylcyclohexane
Concen: 44.831 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

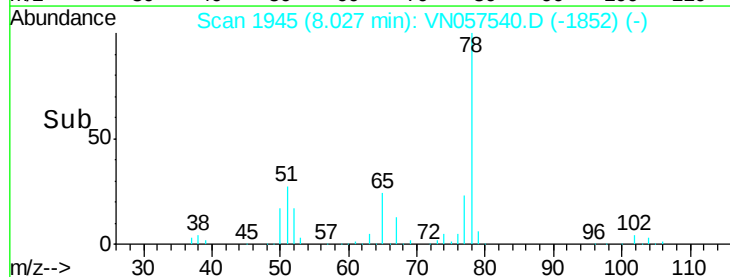
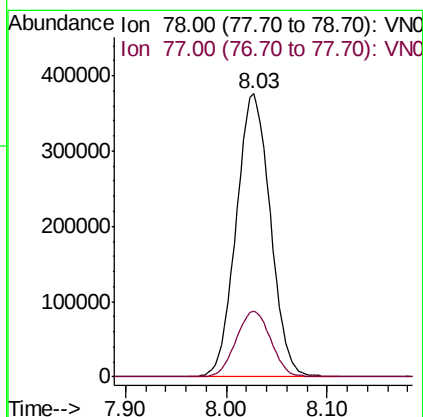
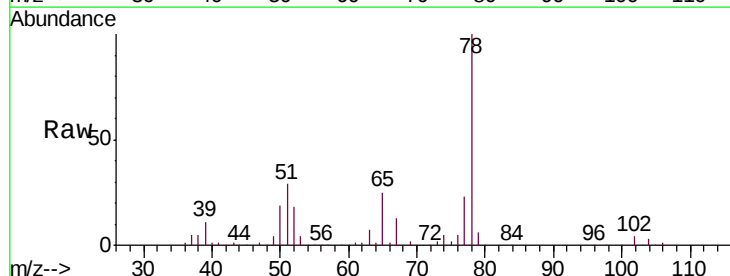
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

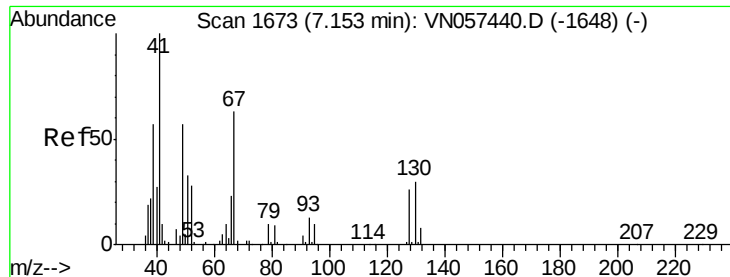
Tgt Ion: 83 Resp: 347696
Ion Ratio Lower Upper
83 100
55 81.5 68.6 102.8
98 40.4 36.6 54.8



#40
Benzene
Concen: 45.019 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 78 Resp: 882388
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7

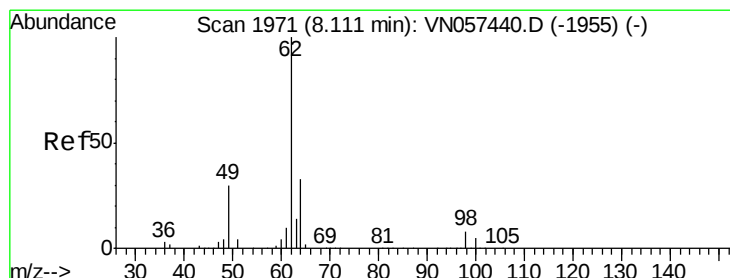
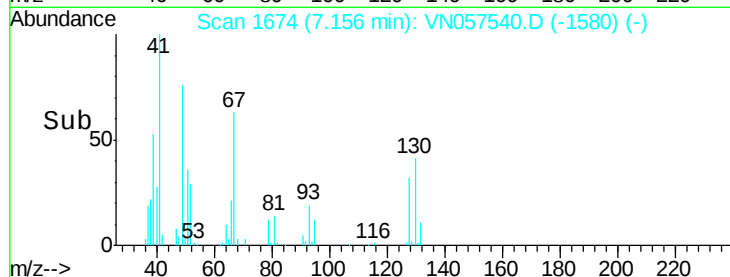
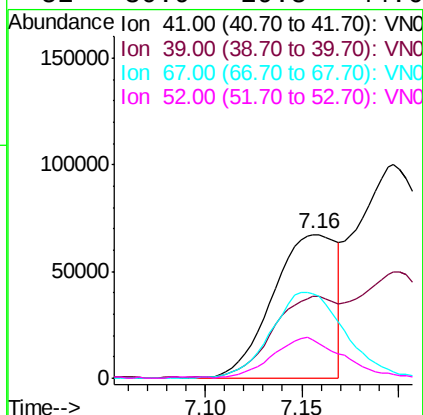
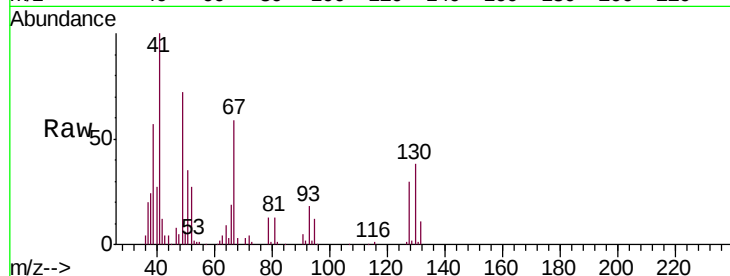




#41
Methacrylonitrile
Concen: 49.932 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

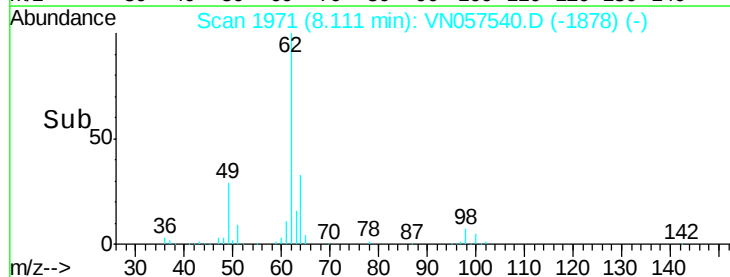
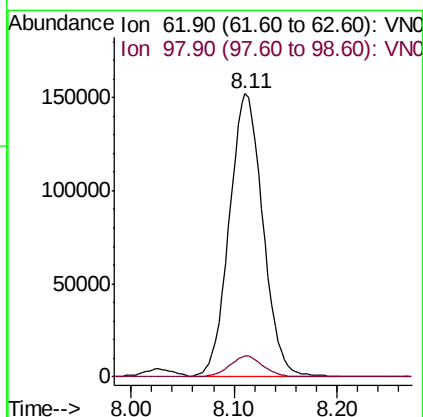
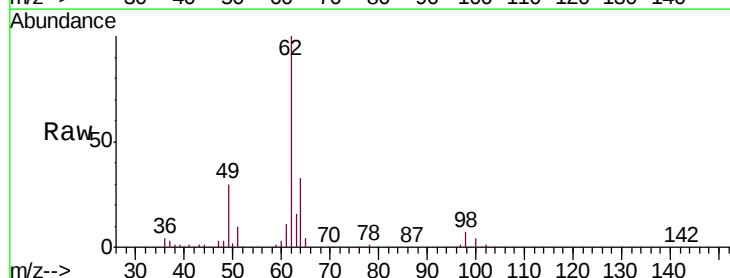
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

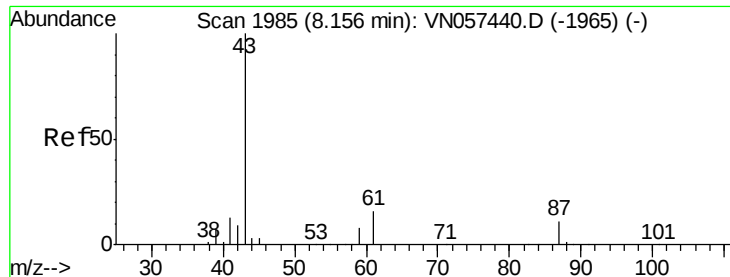
Tgt Ion:	41	Resp:	153640
Ion	Ratio	Lower	Upper
41	100		
39	56.2	53.6	80.4
67	70.3	65.4	98.2
52	30.9	29.8	44.6



#42
1,2-Dichloroethane
Concen: 45.496 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion:	62	Resp:	343347
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.4





#43

Isopropyl Acetate

Concen: 43.824 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

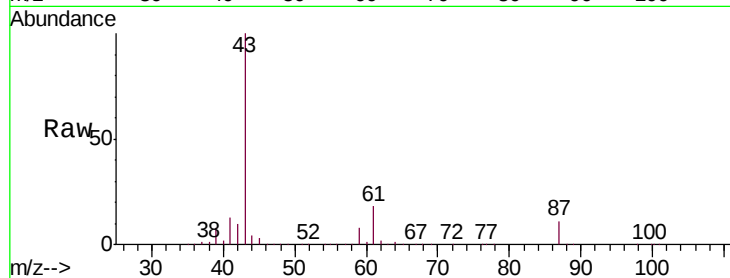
Tgt Ion: 43 Resp: 518525

Ion Ratio Lower Upper

43 100

61 17.4 14.5 21.7

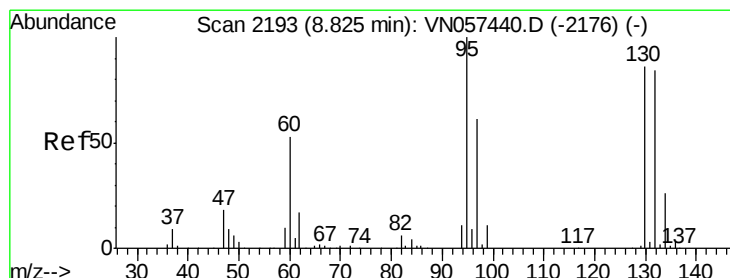
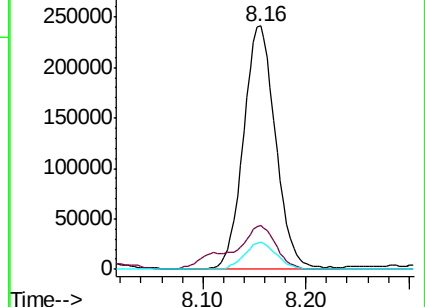
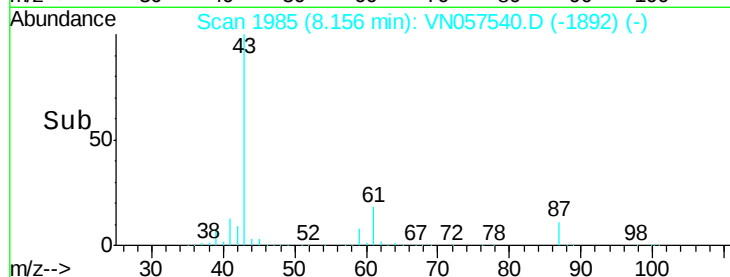
87 11.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN057440.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN057440.D (-1965) (-)



#44

Trichloroethene

Concen: 45.688 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057540.D

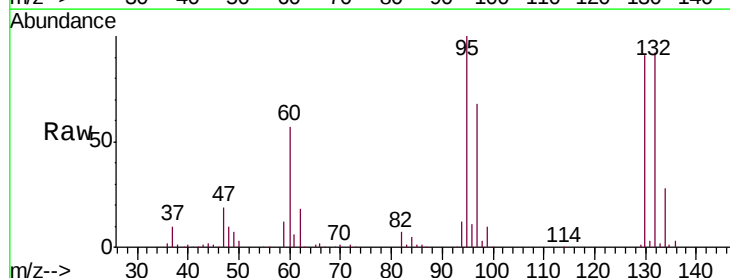
Acq: 27 Aug 2019 4:00

Tgt Ion: 130 Resp: 199897

Ion Ratio Lower Upper

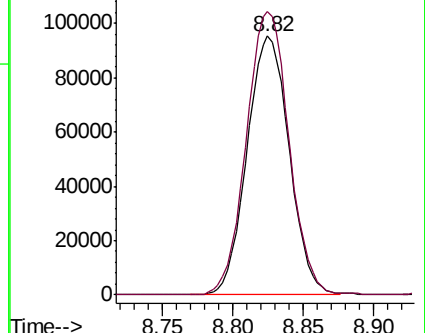
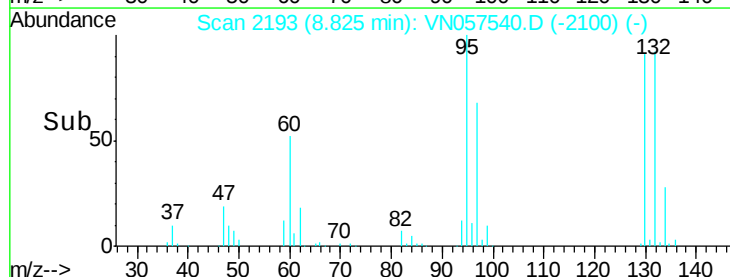
130 100

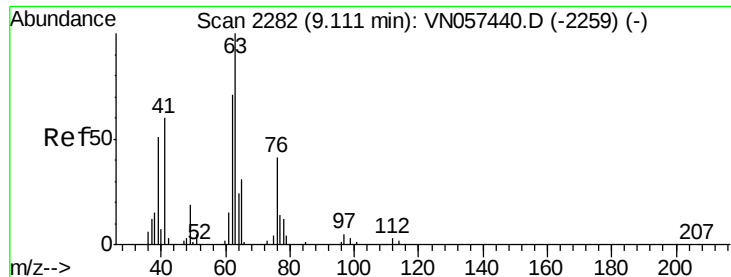
95 109.4 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): VN057440.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN057440.D (-2176) (-)

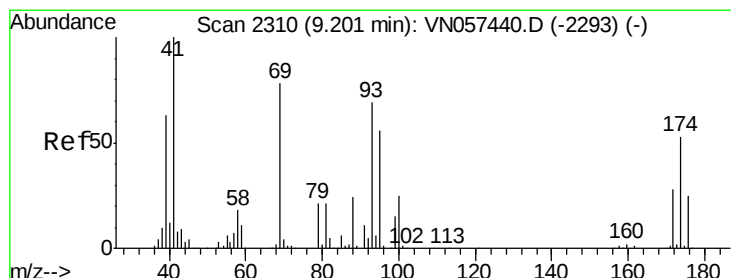
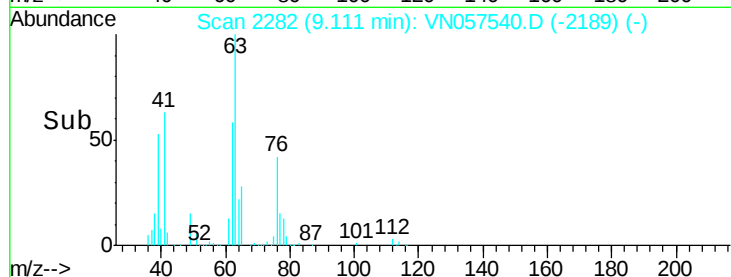
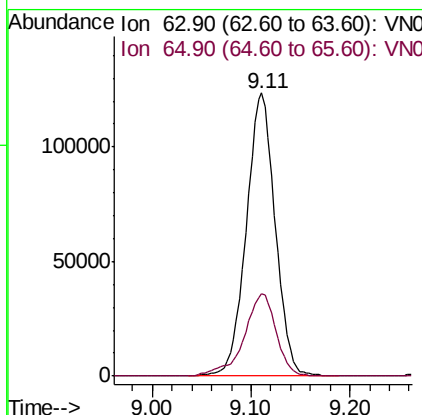
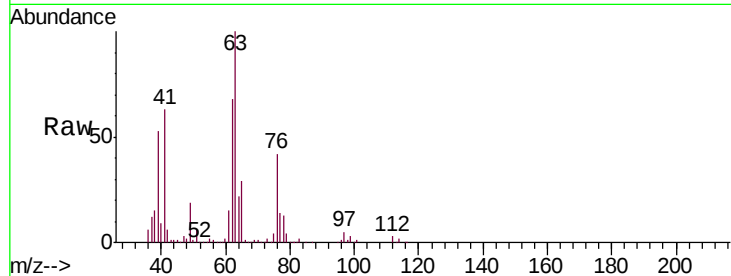




#45
 1,2-Dichloropropane
 Concen: 45.171 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

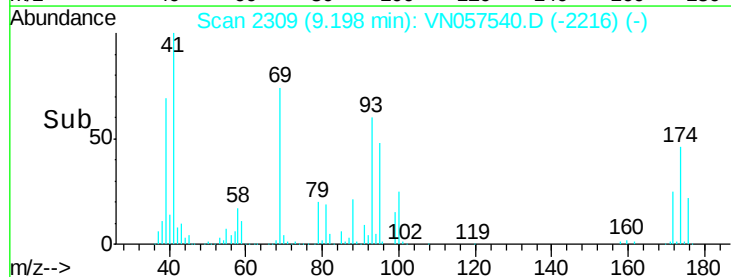
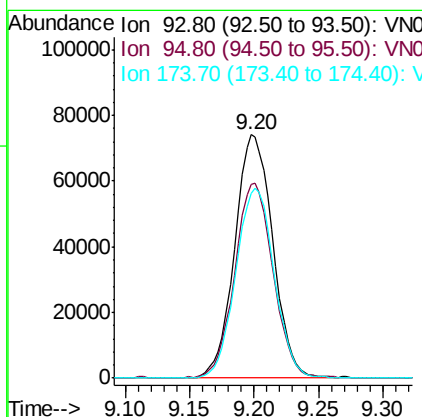
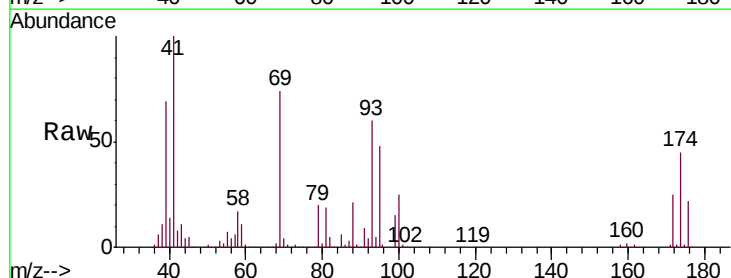
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

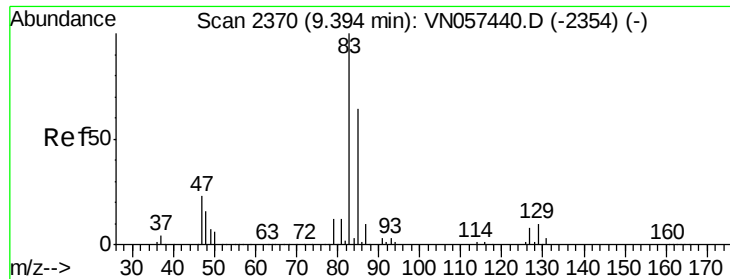
Tgt Ion: 63 Resp: 249345
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.7 37.1



#46
 Dibromomethane
 Concen: 47.040 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion: 93 Resp: 152220
 Ion Ratio Lower Upper
 93 100
 95 81.1 64.7 97.1
 174 78.8 62.3 93.5





#47

Bromodichloromethane

Concen: 44.319 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

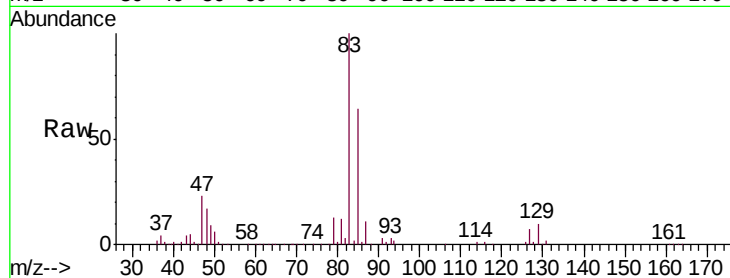
Tgt Ion: 83 Resp: 322750

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

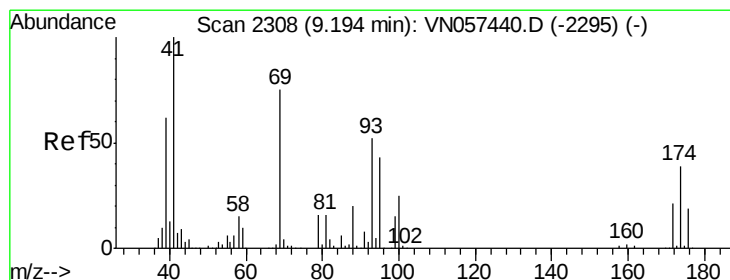
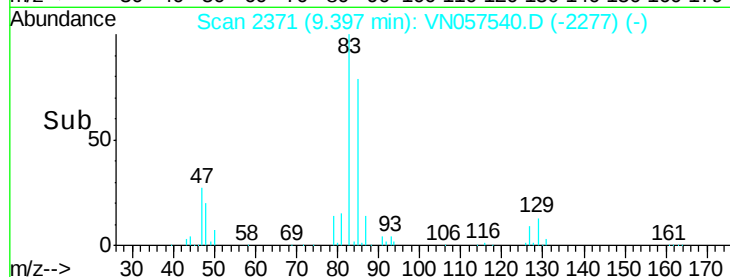
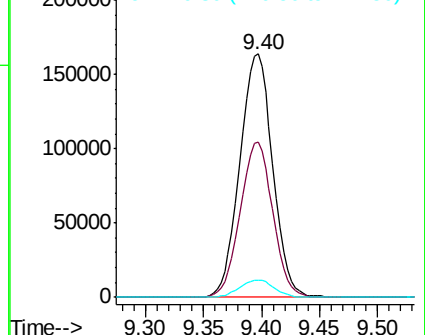
127 7.1 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN057540.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN057540.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN057540.D (-2277) (-)



#48

Methyl methacrylate

Concen: 44.012 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

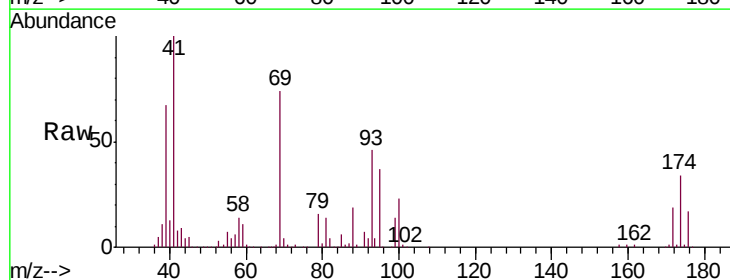
Tgt Ion: 41 Resp: 247623

Ion Ratio Lower Upper

41 100

69 75.1 59.3 88.9

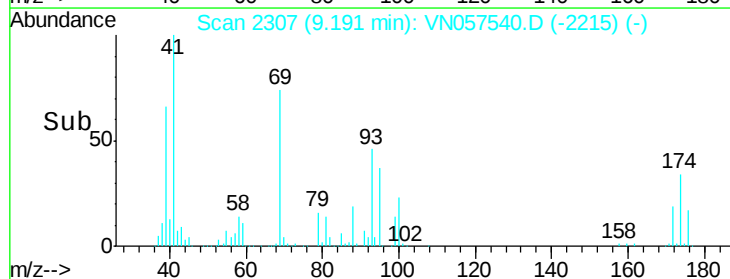
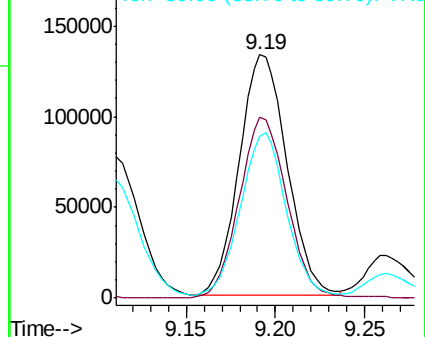
39 66.4 50.6 75.8

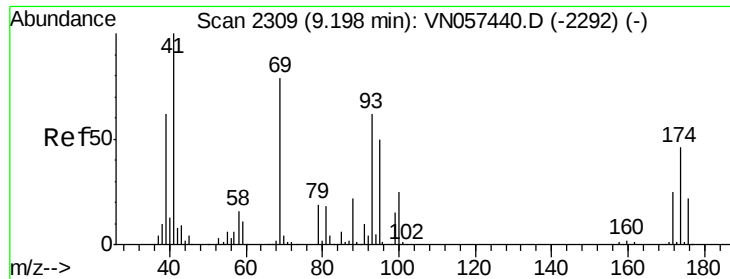


Abundance Ion 41.00 (40.70 to 41.70): VN057540.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057540.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057540.D (-2215) (-)





#49

1,4-Dioxane

Concen: 873.776 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

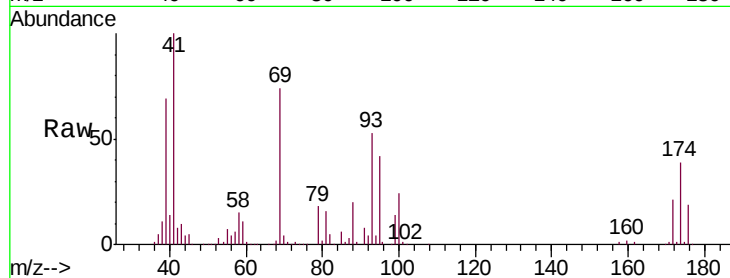
Tgt Ion: 88 Resp: 63573

Ion Ratio Lower Upper

88 100

43 37.9 31.0 46.6

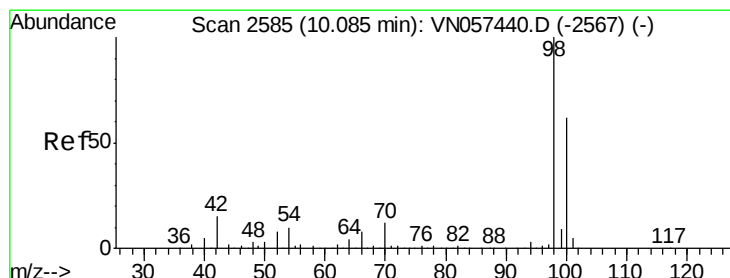
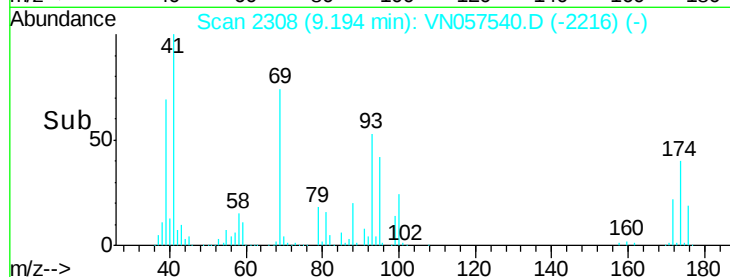
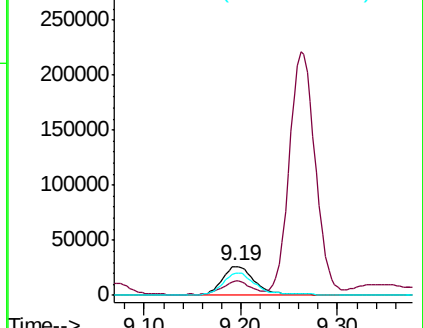
58 75.9 64.5 96.7



Abundance Ion 88.00 (87.70 to 88.70): VN057440.D (-2292) (-)

Ion 43.00 (42.70 to 43.70): VN057440.D (-2292) (-)

Ion 58.00 (57.70 to 58.70): VN057440.D (-2292) (-)



#50

Toluene-d8

Concen: 53.560 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057540.D

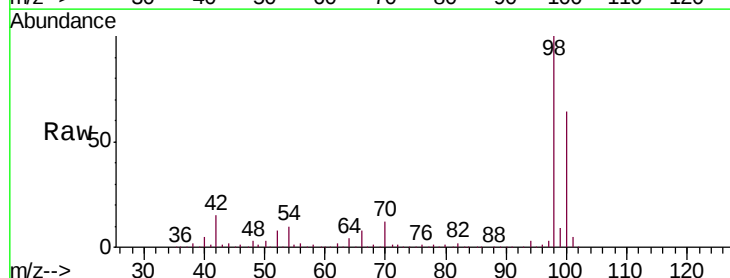
Acq: 27 Aug 2019 4:00

Tgt Ion: 98 Resp: 874241

Ion Ratio Lower Upper

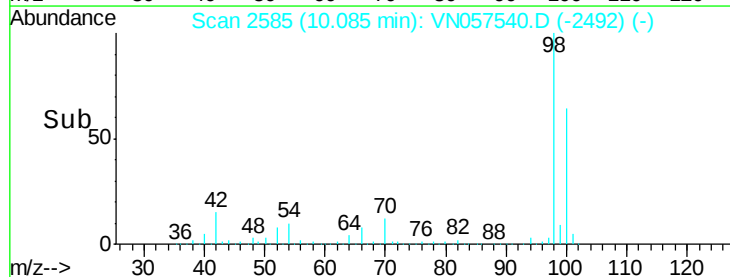
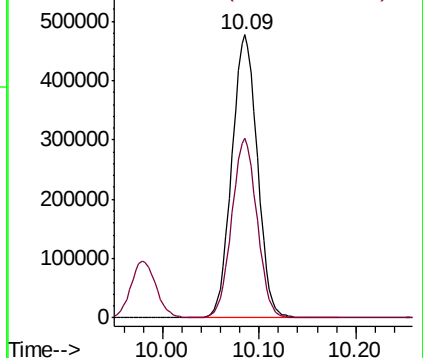
98 100

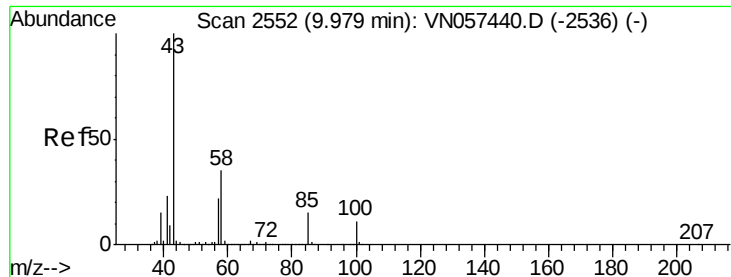
100 62.6 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN057440.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN057440.D (-2567) (-)

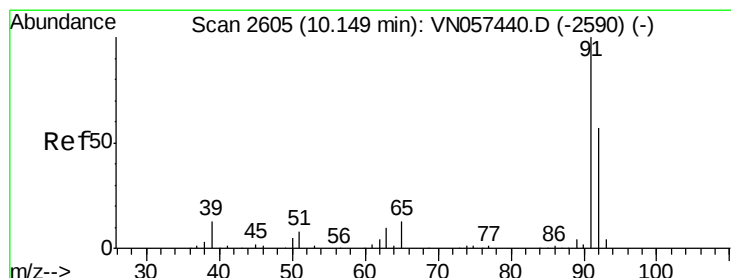
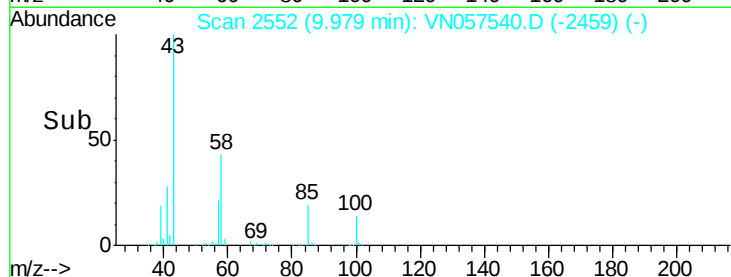
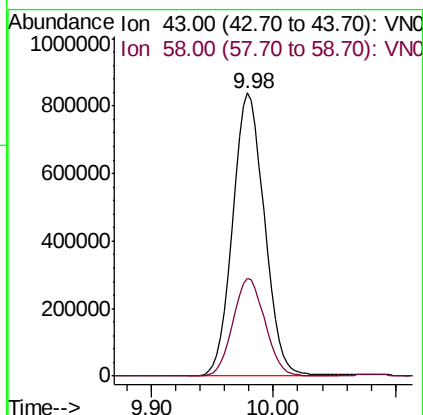
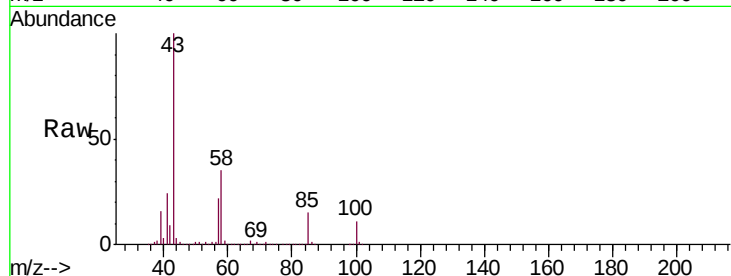




#51
 4-Methyl-2-Pentanone
 Concen: 229.043 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

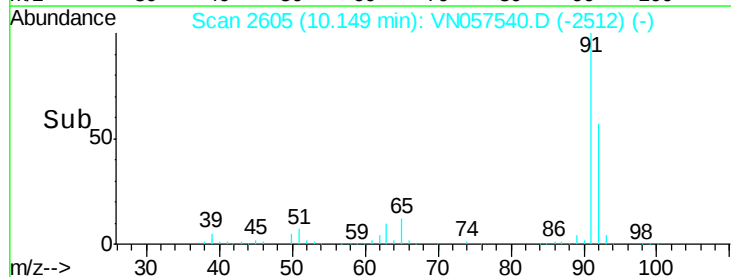
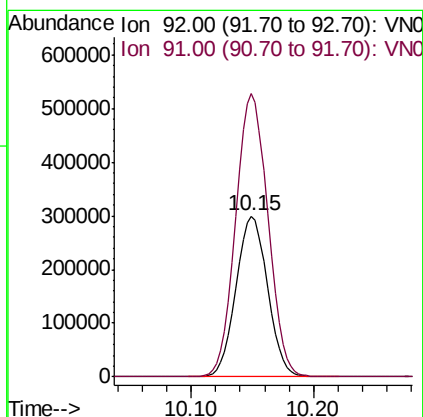
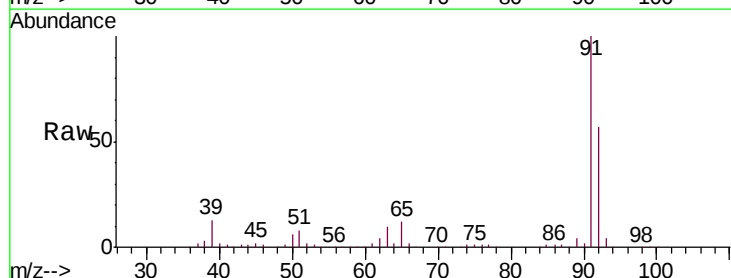
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

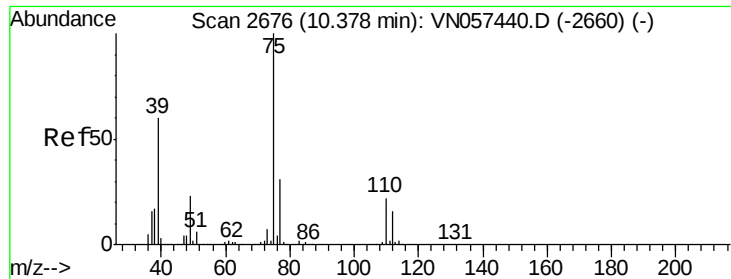
Tgt Ion: 43 Resp: 1510342
 Ion Ratio Lower Upper
 43 100
 58 35.1 27.9 41.9



#52
 Toluene
 Concen: 47.490 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion: 92 Resp: 536477
 Ion Ratio Lower Upper
 92 100
 91 180.0 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 42.545 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

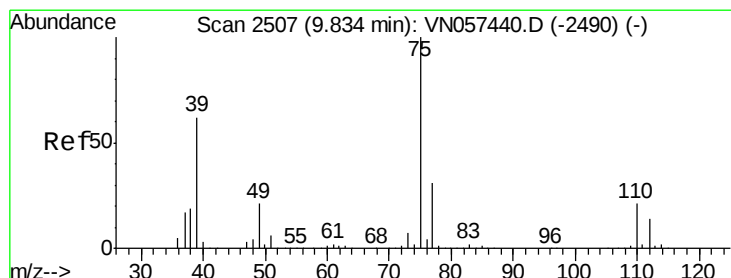
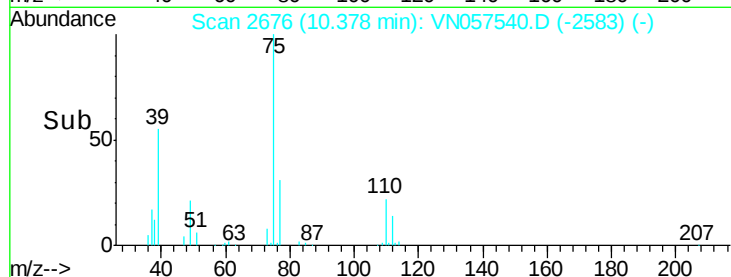
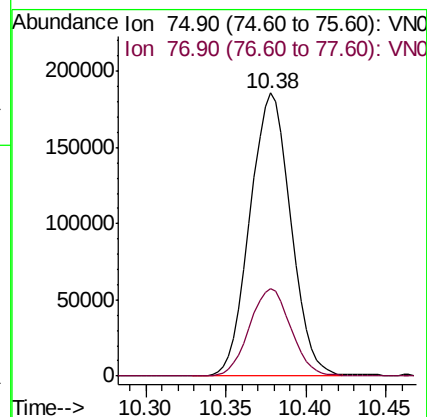
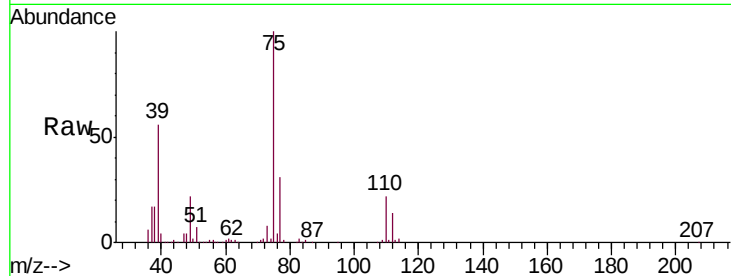
VSTDCCC050EC

Tgt Ion: 75 Resp: 324533

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 40.520 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

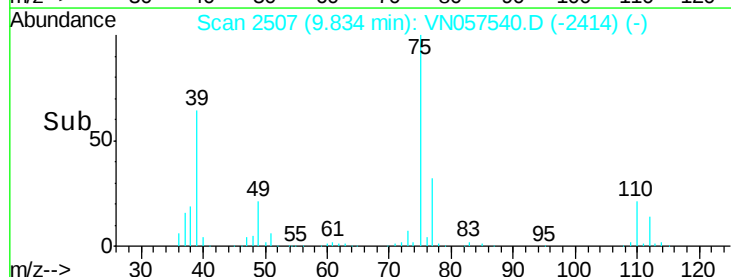
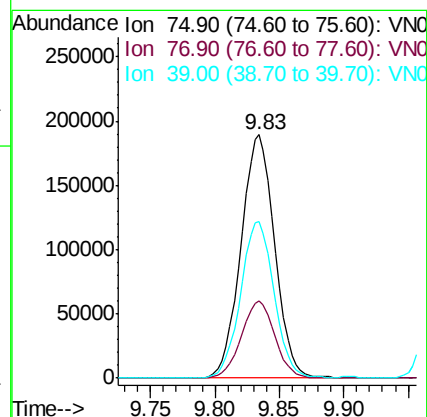
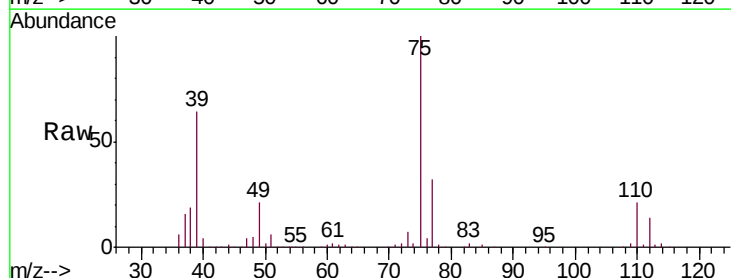
Tgt Ion: 75 Resp: 344141

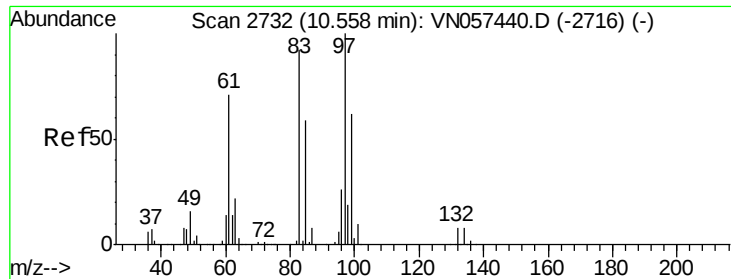
Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6

39 63.8 49.2 73.8





#55

1,1,2-Trichloroethane

Concen: 46.345 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 211720

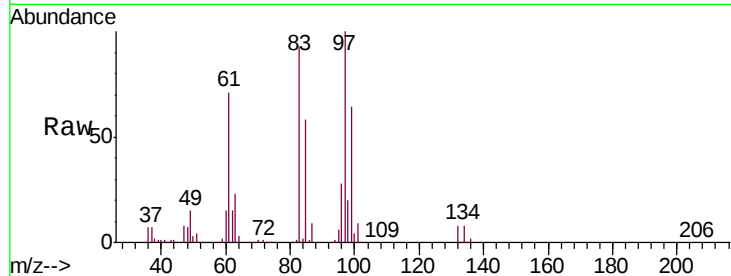
Ion Ratio Lower Upper

97 100

83 92.5 73.7 110.5

85 58.4 46.8 70.2

99 63.9 49.8 74.8

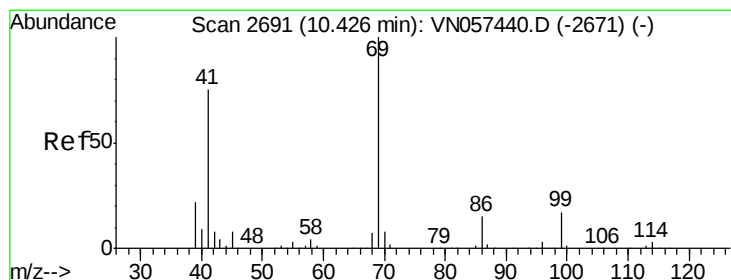
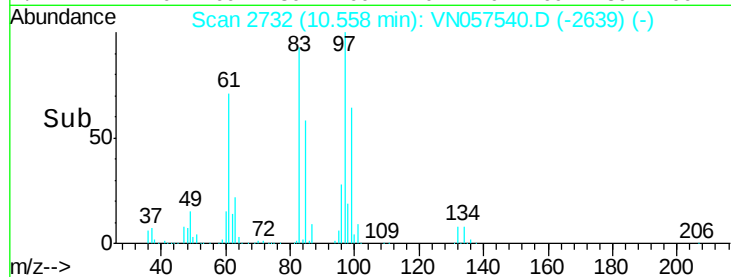
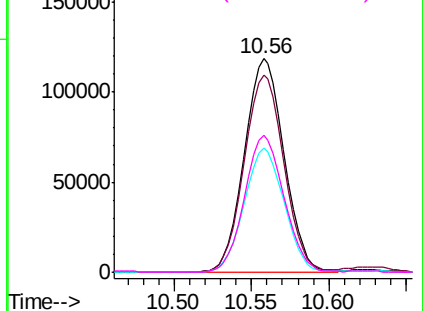


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 47.082 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

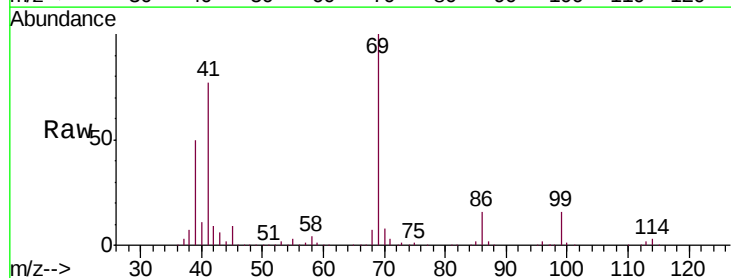
Tgt Ion: 69 Resp: 338352

Ion Ratio Lower Upper

69 100

41 75.4 60.8 91.2

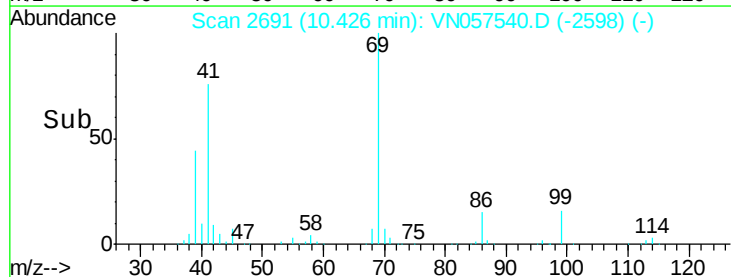
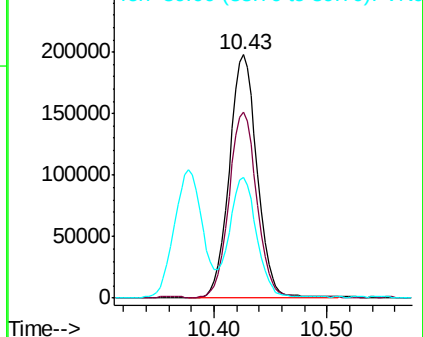
39 47.2 36.5 54.7

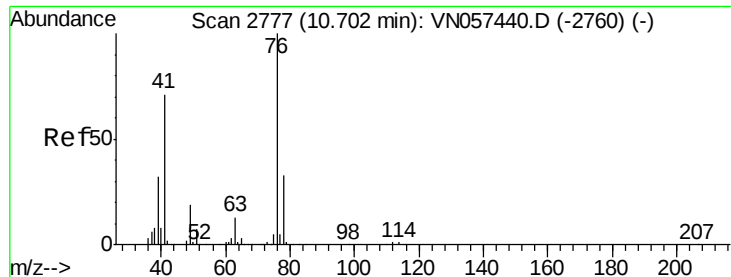


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 47.896 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

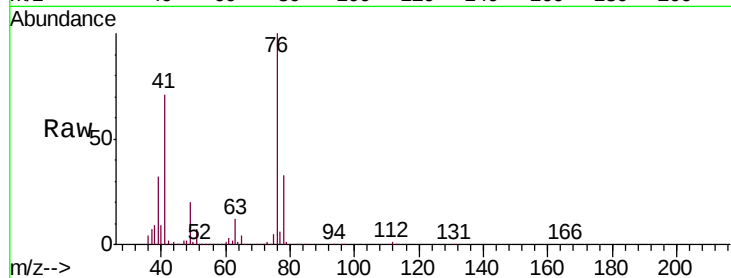
VSTDCCC050EC

Tgt Ion: 76 Resp: 380813

Ion Ratio Lower Upper

76 100

78 32.6 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

150000

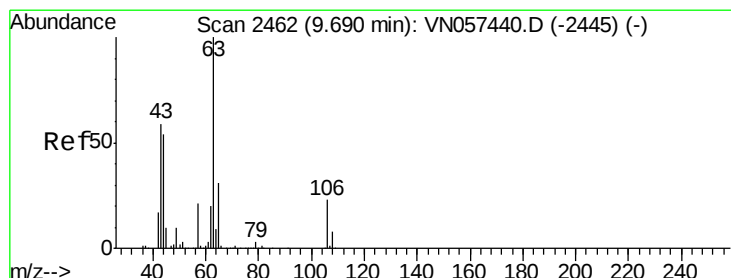
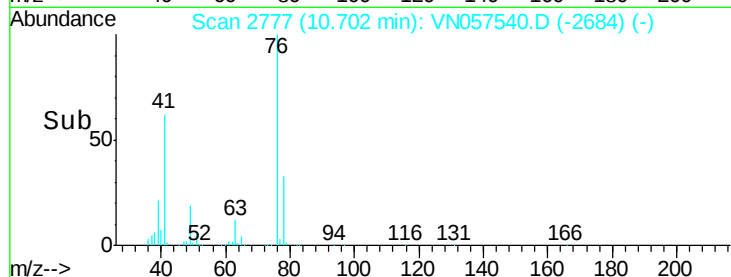
100000

50000

0

10.65 10.70 10.75

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 271.845 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057540.D

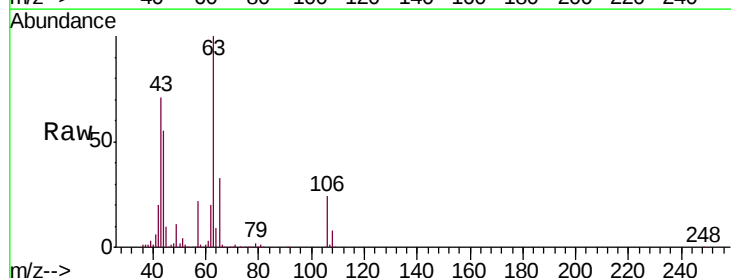
Acq: 27 Aug 2019 4:00

Tgt Ion: 63 Resp: 547287

Ion Ratio Lower Upper

63 100

106 23.3 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

300000

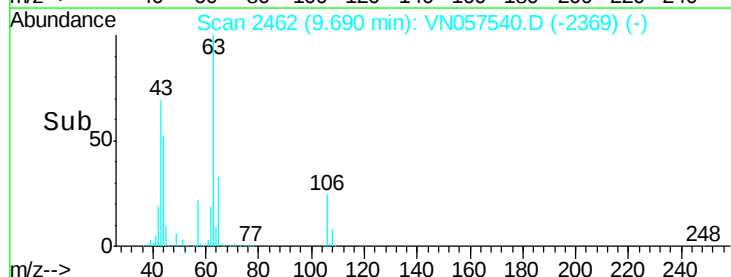
200000

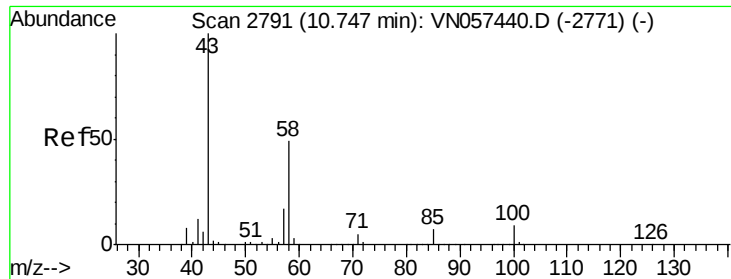
100000

0

9.60 9.65 9.70 9.75

Time-->

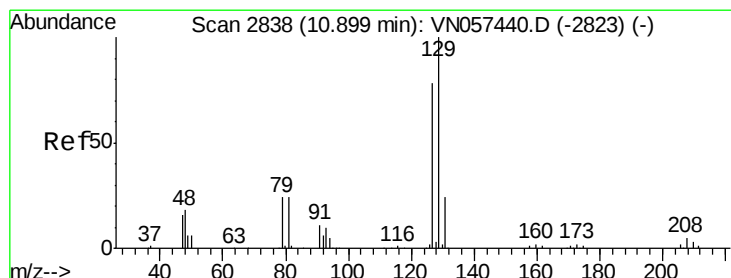
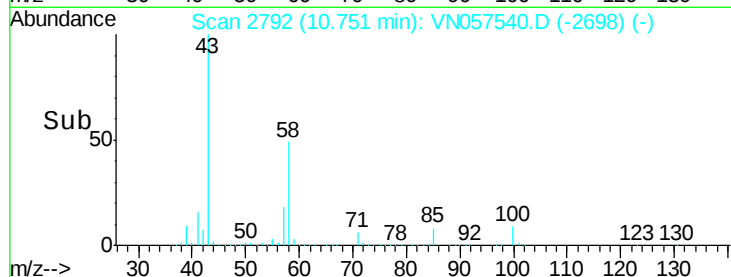
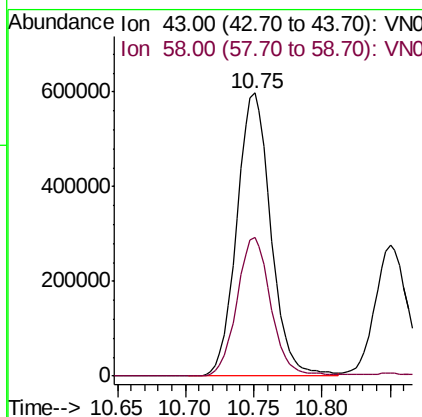
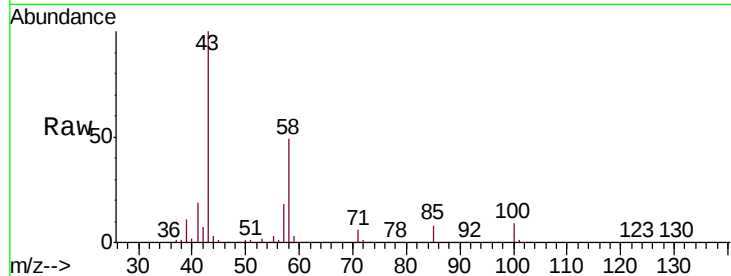




#59
2-Hexanone
Concen: 228.251 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

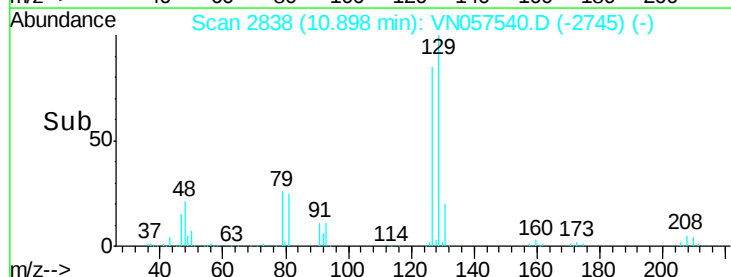
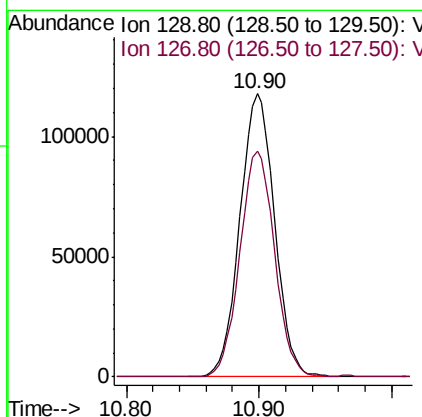
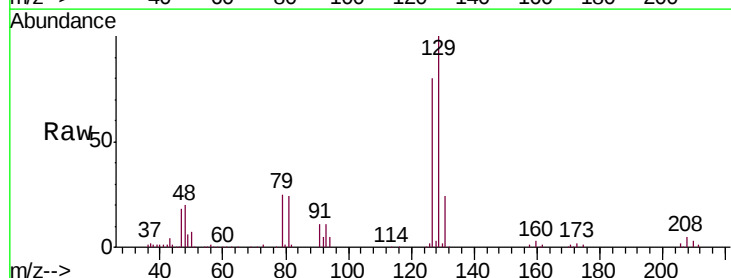
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

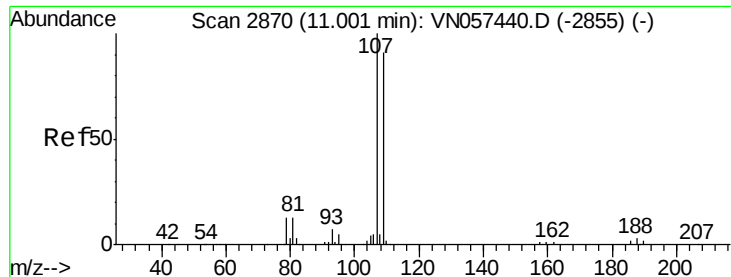
Tgt Ion: 43 Resp: 1032338
Ion Ratio Lower Upper
43 100
58 49.1 24.6 73.6



#60
Dibromochloromethane
Concen: 44.443 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 129 Resp: 214561
Ion Ratio Lower Upper
129 100
127 79.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 47.845 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

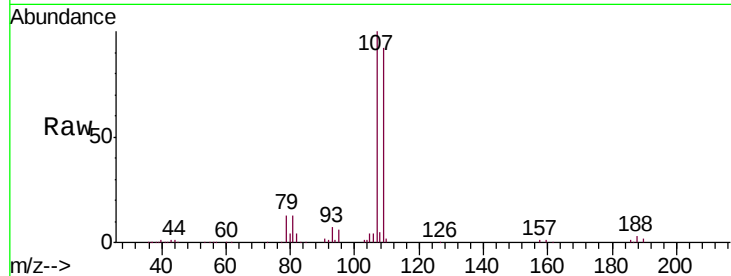
VSTDCCC050EC

Tgt Ion: 107 Resp: 214378

Ion Ratio Lower Upper

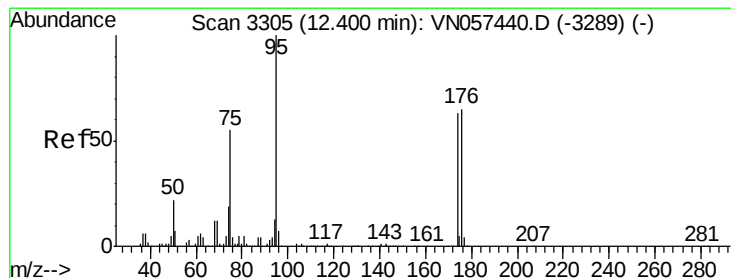
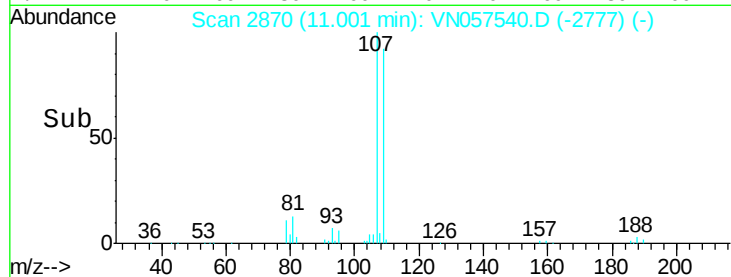
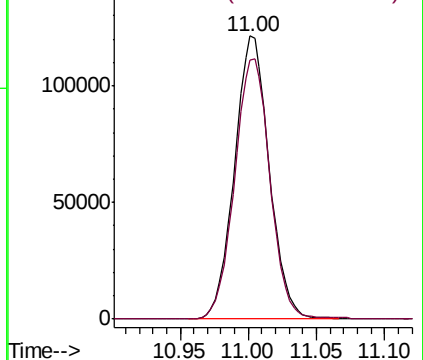
107 100

109 93.5 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.031 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

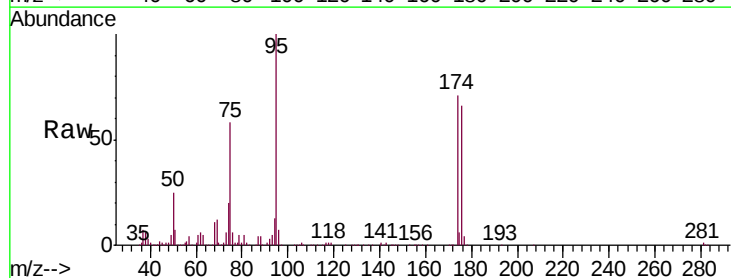
Tgt Ion: 95 Resp: 287810

Ion Ratio Lower Upper

95 100

174 69.5 0.0 133.0

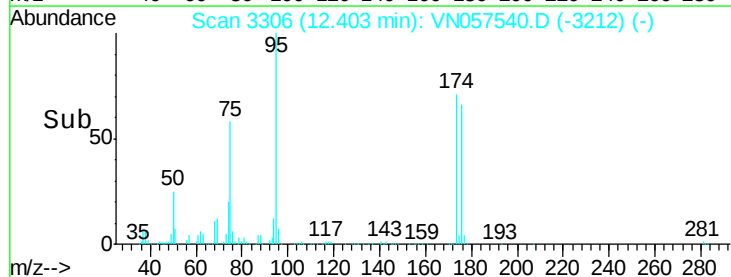
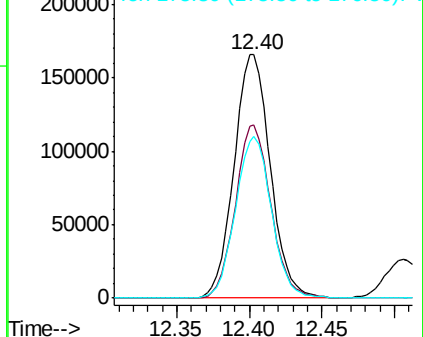
176 65.9 0.0 130.8

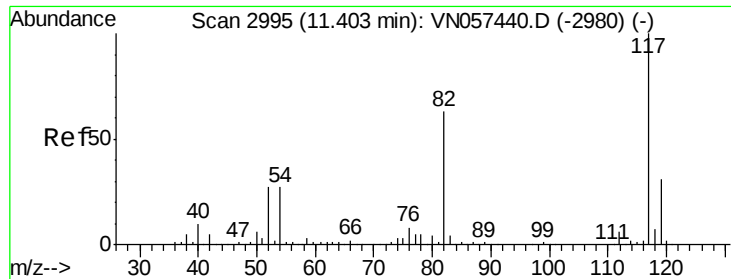


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

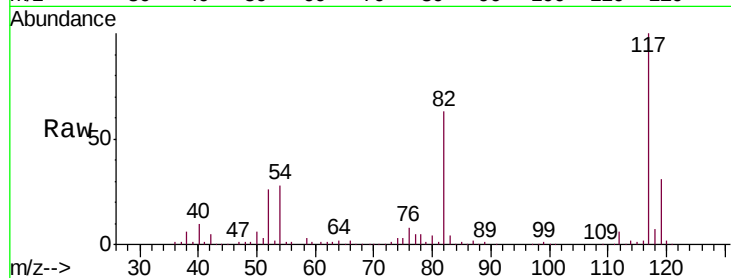




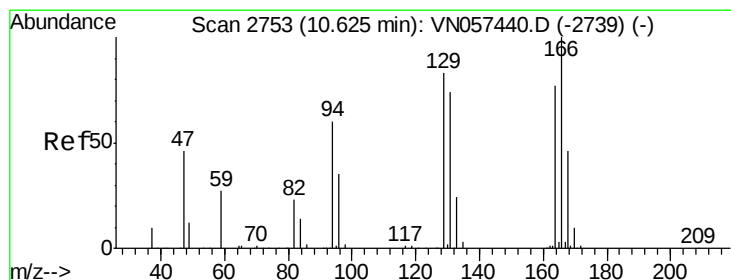
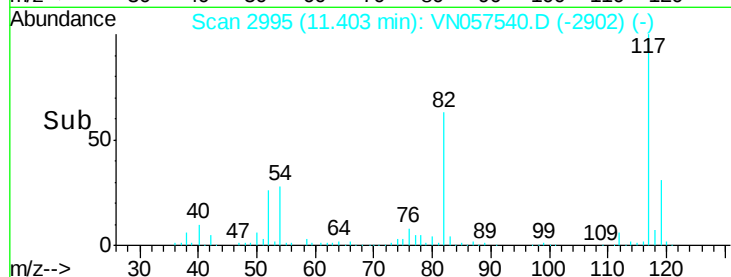
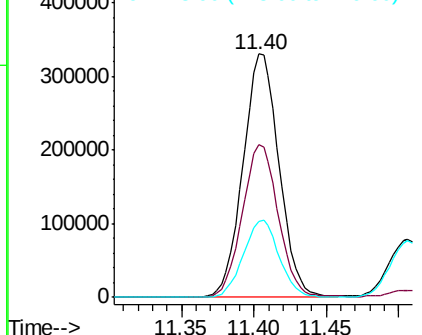
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 573720
Ion Ratio Lower Upper
117 100
82 62.8 50.6 75.8
119 31.4 24.6 36.8

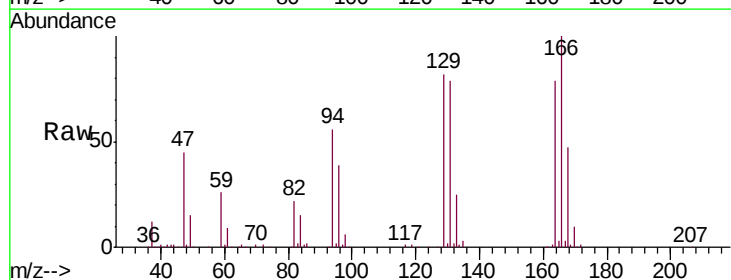


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

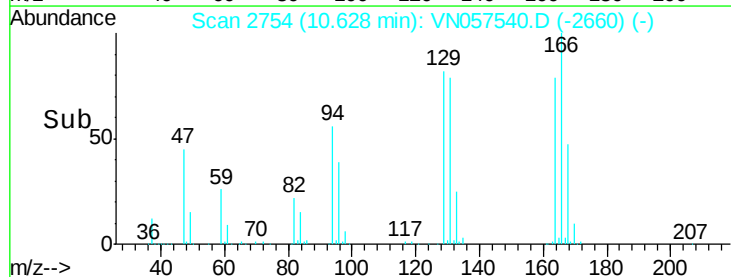
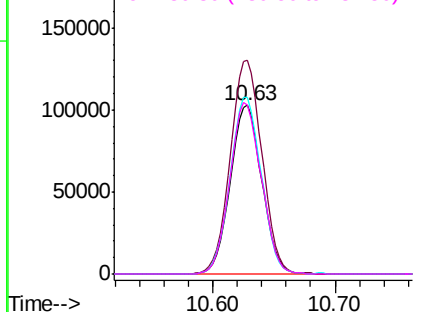


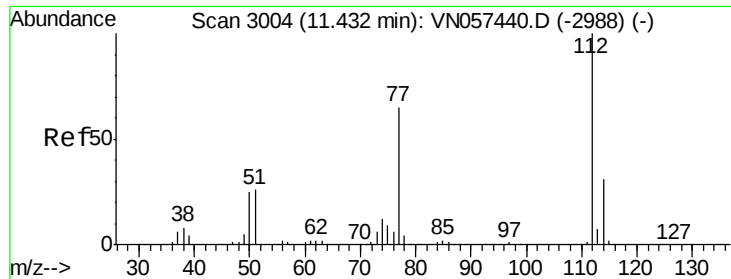
#64
Tetrachloroethene
Concen: 45.988 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion:164 Resp: 184589
Ion Ratio Lower Upper
164 100
166 126.6 104.4 156.6
129 104.4 86.6 130.0
131 100.1 77.6 116.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

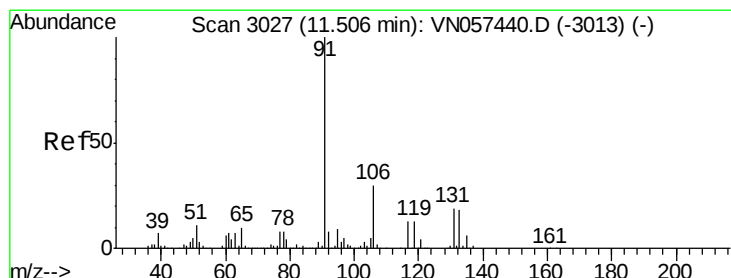
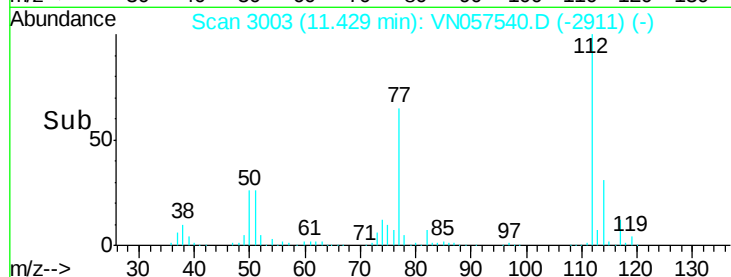
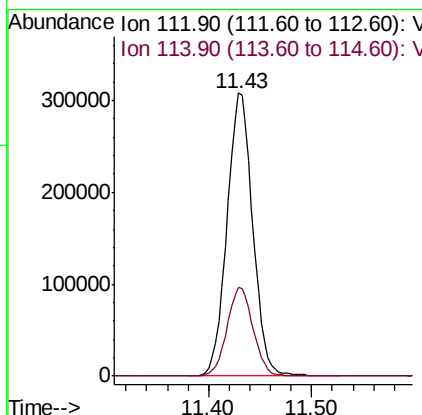
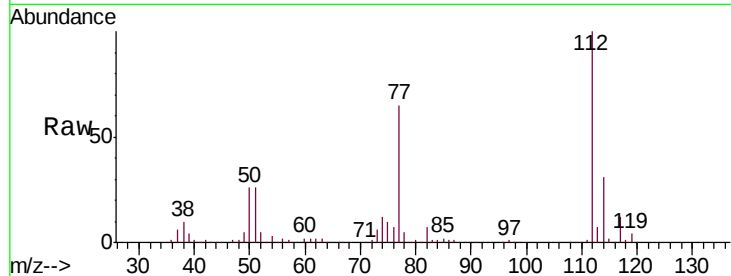




#65
Chlorobenzene
Concen: 46.215 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

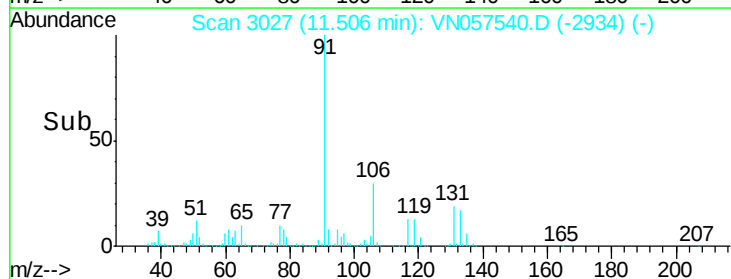
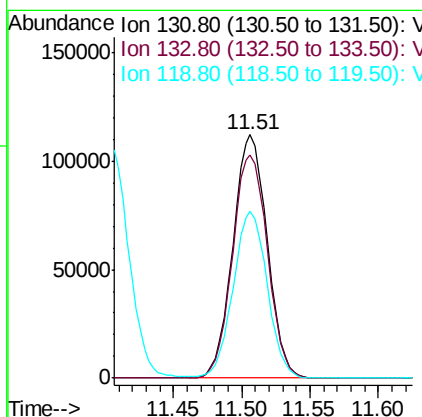
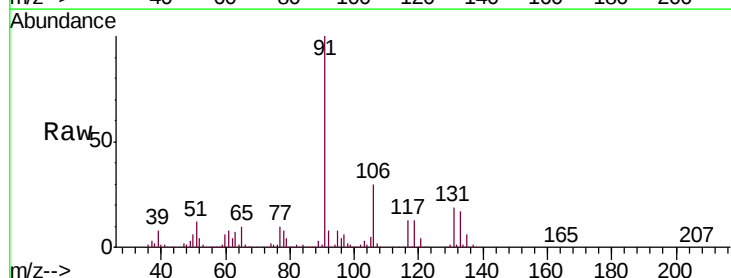
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

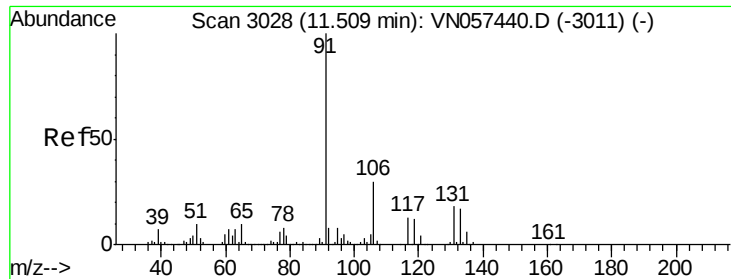
Tgt Ion:112 Resp: 535985
Ion Ratio Lower Upper
112 100
114 31.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 44.074 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion:131 Resp: 196030
Ion Ratio Lower Upper
131 100
133 93.7 47.6 142.8
119 68.0 34.4 103.2

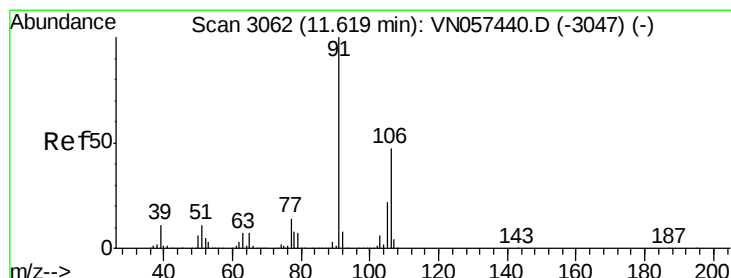
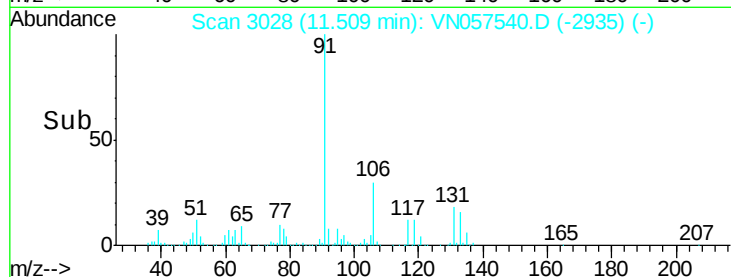
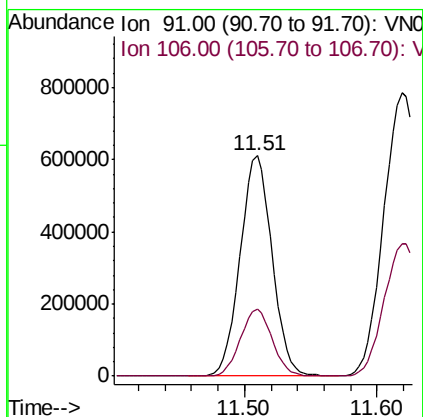
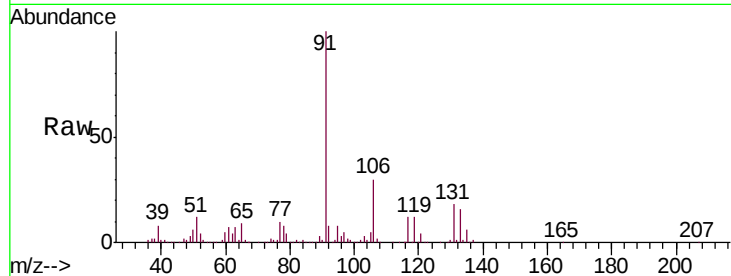




#67
Ethyl Benzene
Concen: 45.568 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

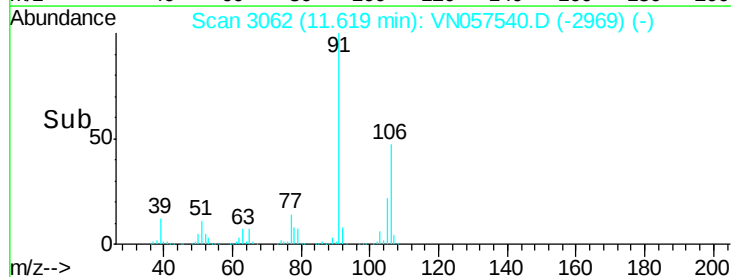
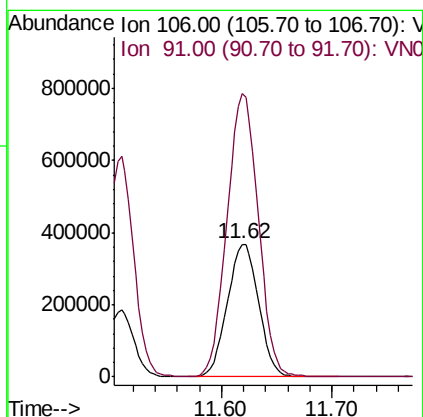
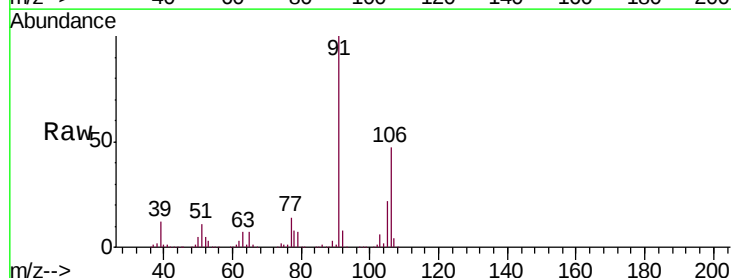
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

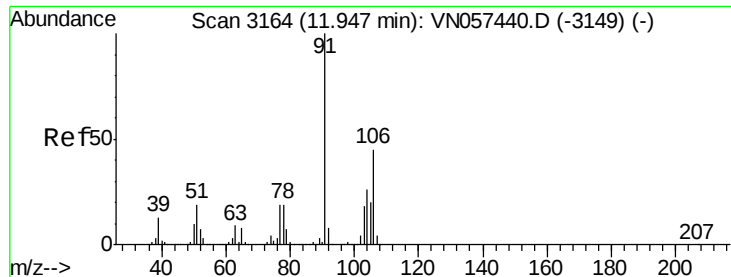
Tgt Ion: 91 Resp: 1022914
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1



#68
m/p-Xylenes
Concen: 94.538 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 106 Resp: 721717
Ion Ratio Lower Upper
106 100
91 214.2 171.8 257.6

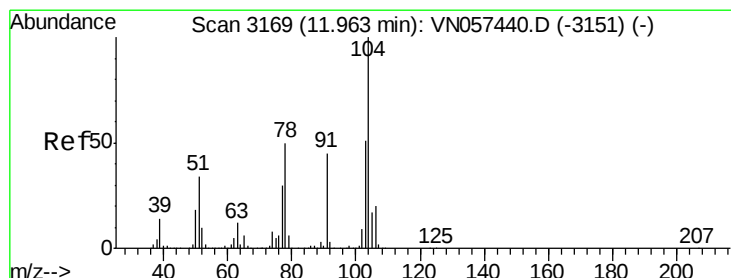
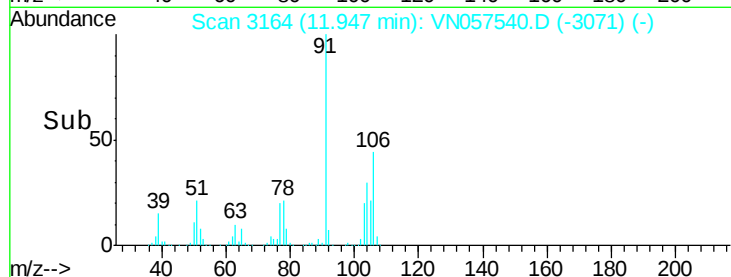
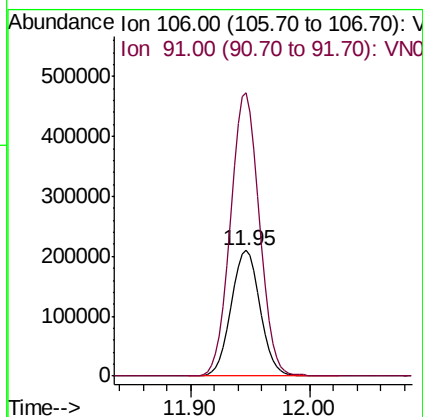
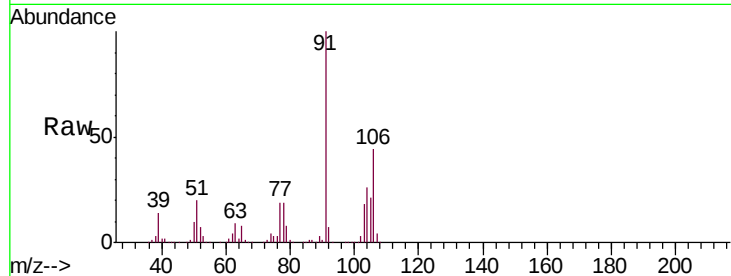




#69
o-Xylene
Concen: 46.977 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

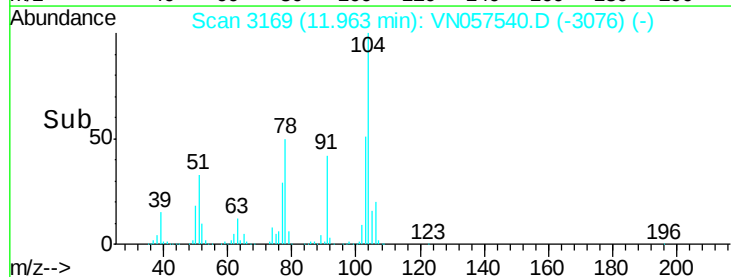
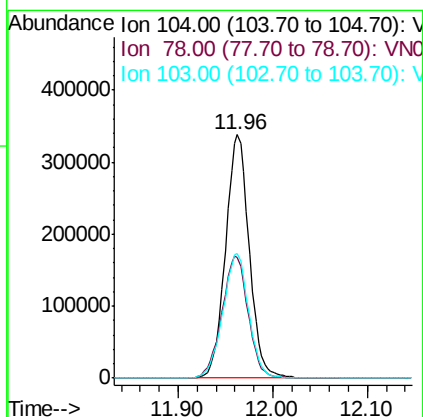
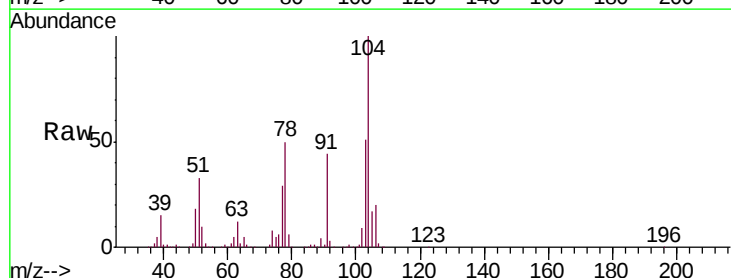
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

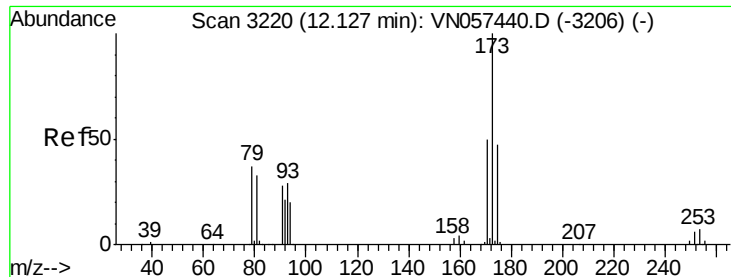
Tgt Ion:106 Resp: 355268
Ion Ratio Lower Upper
106 100
91 224.5 112.3 336.9



#70
Styrene
Concen: 49.160 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion:104 Resp: 588681
Ion Ratio Lower Upper
104 100
78 55.4 44.7 67.1
103 55.8 44.4 66.6





#71

Bromoform

Concen: 42.143 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

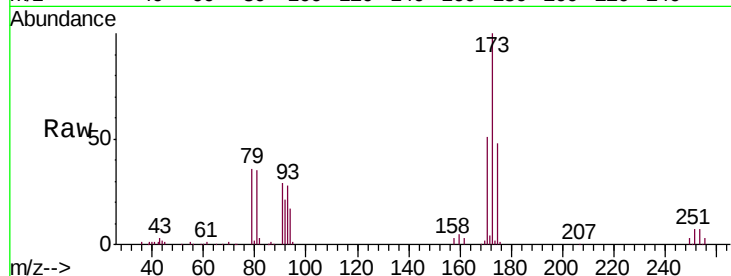
Tgt Ion:173 Resp: 126711

Ion Ratio Lower Upper

173 100

175 48.9 23.9 71.8

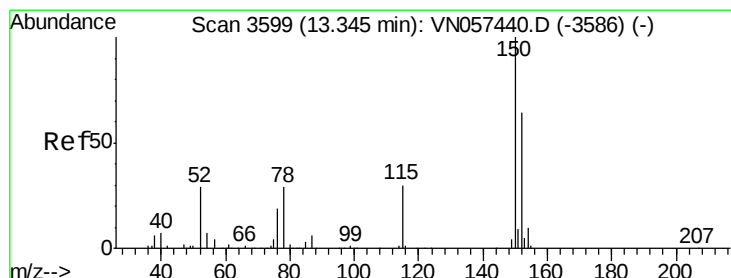
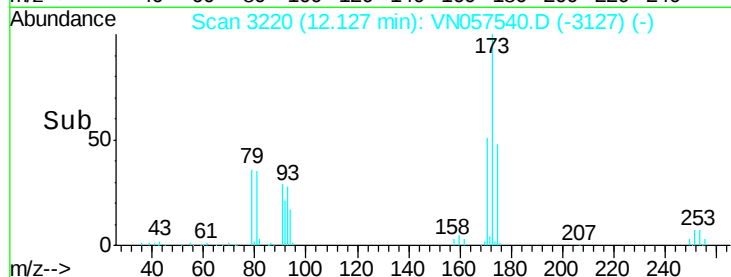
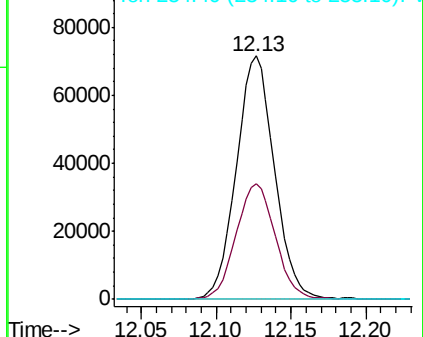
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

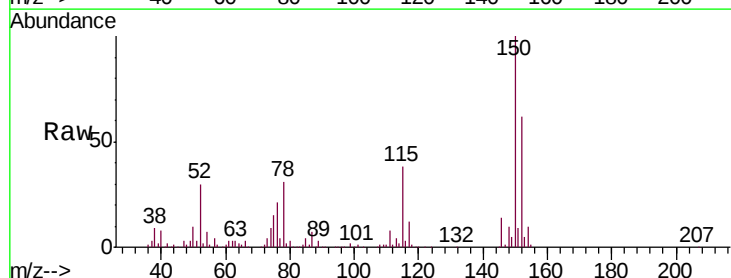
Tgt Ion:152 Resp: 212990

Ion Ratio Lower Upper

152 100

115 63.4 32.0 96.0

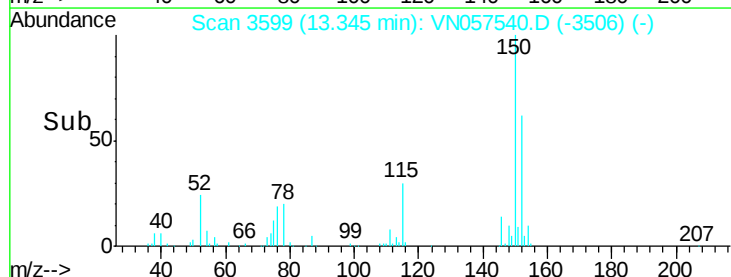
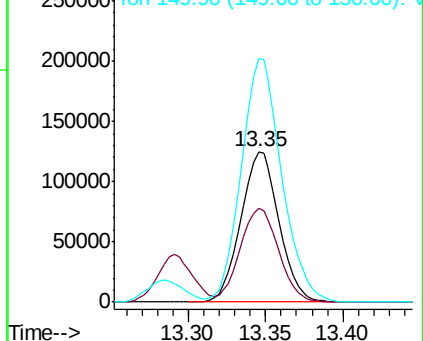
150 172.8 0.0 346.6

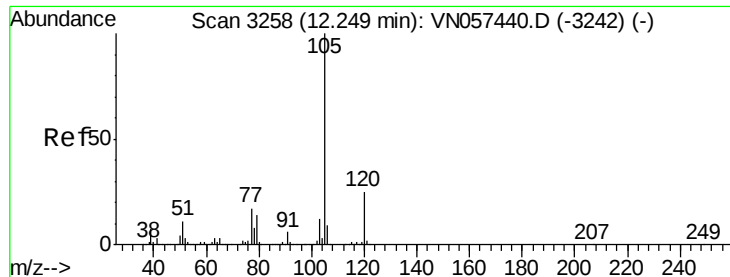


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.406 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

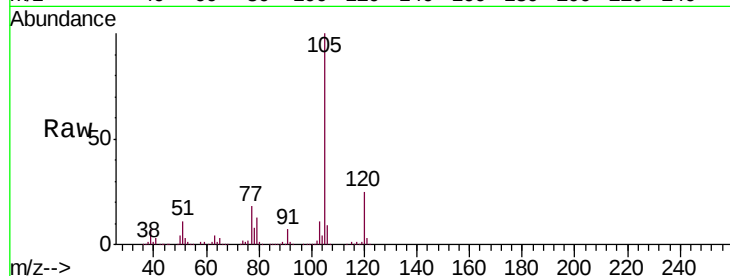
VSTDCCC050EC

Tgt Ion: 105 Resp: 969489

Ion Ratio Lower Upper

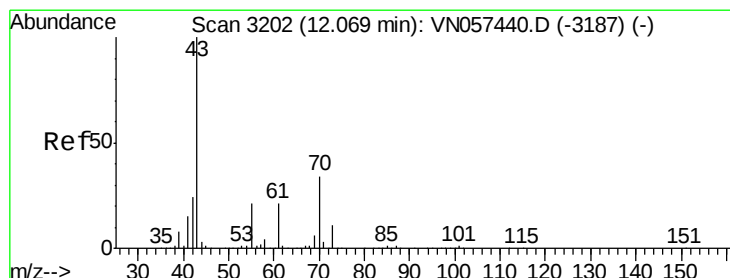
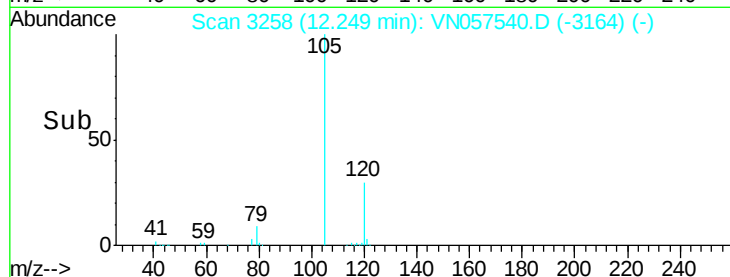
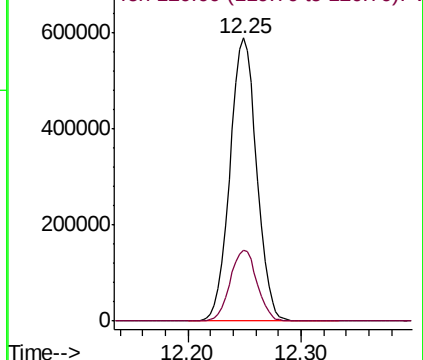
105 100

120 25.3 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.349 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion: 43 Resp: 431242

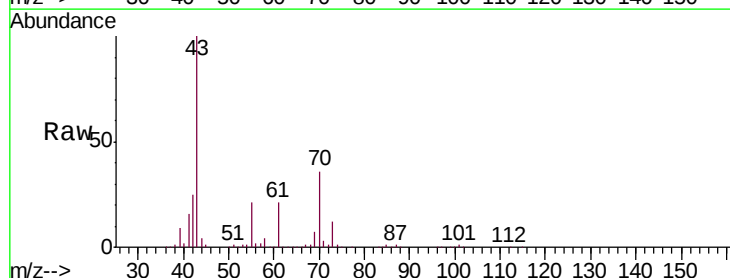
Ion Ratio Lower Upper

43 100

70 35.6 27.8 41.6

55 21.5 17.0 25.4

61 21.1 17.0 25.6

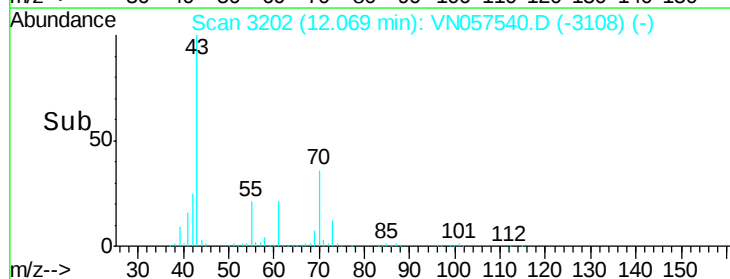
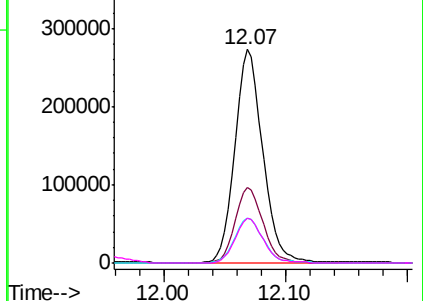


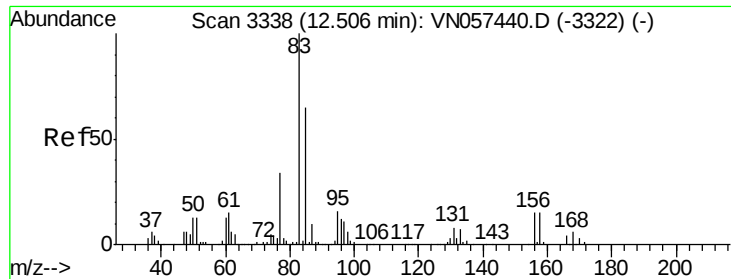
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.381 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

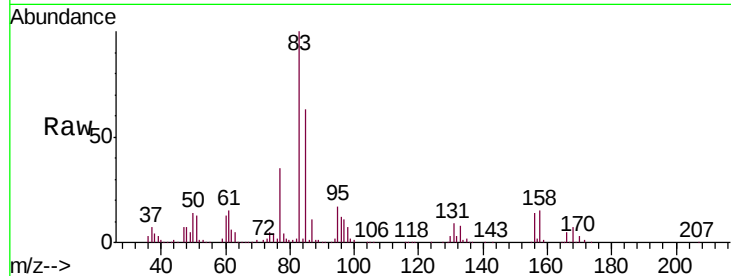
Tgt Ion: 83 Resp: 279045

Ion Ratio Lower Upper

83 100

131 9.3 4.3 13.1

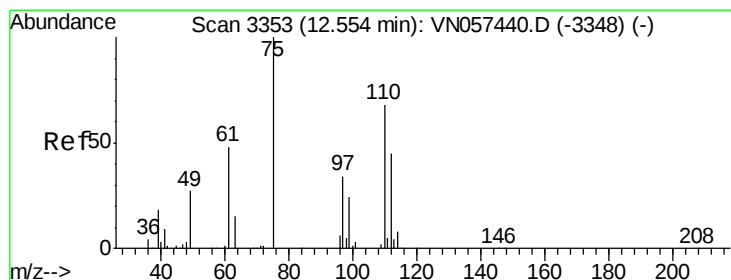
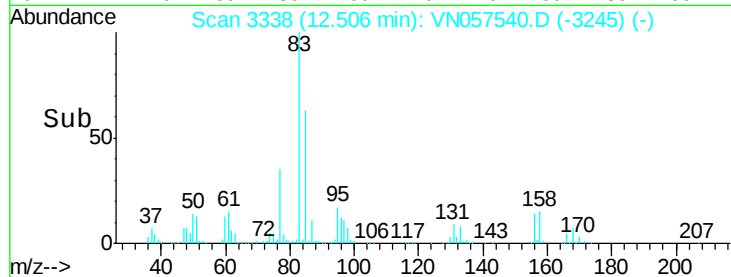
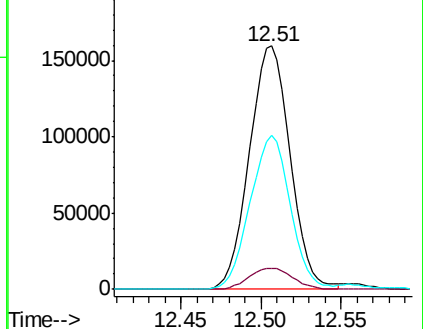
85 62.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN057540.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN057540.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN057540.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 75.803 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057540.D

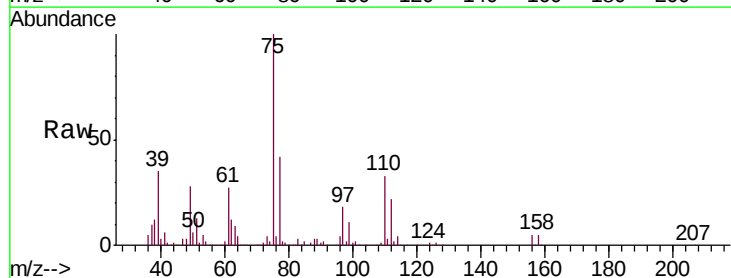
Acq: 27 Aug 2019 4:00

Tgt Ion: 75 Resp: 348273

Ion Ratio Lower Upper

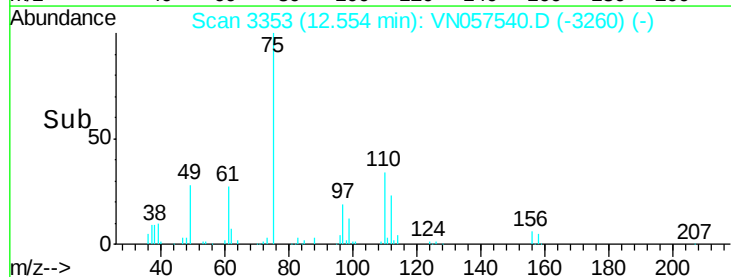
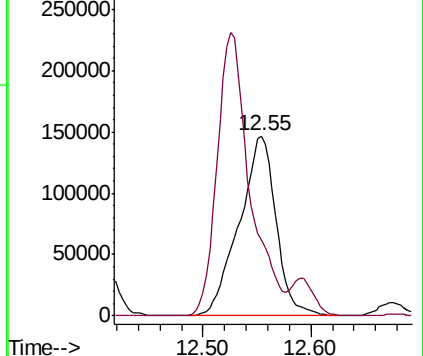
75 100

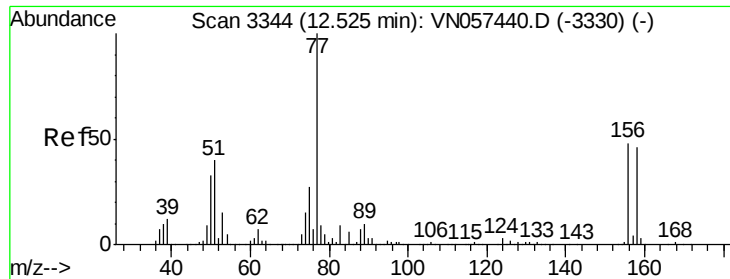
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057540.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057540.D (-3348) (-)





#77

Bromobenzene

Concen: 49.669 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

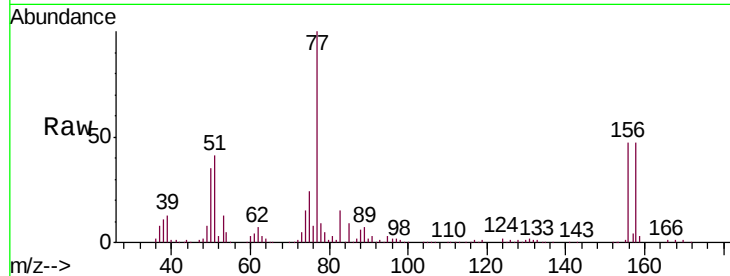
Tgt Ion:156 Resp: 194179

Ion Ratio Lower Upper

156 100

77 251.0 124.4 373.3

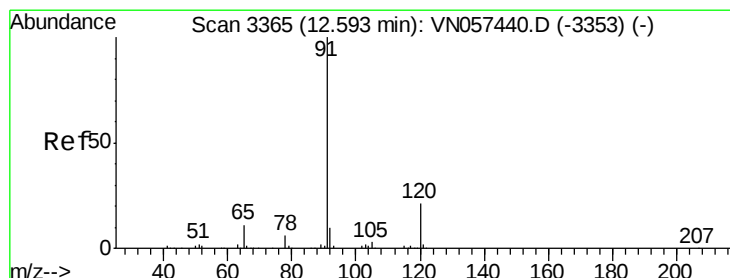
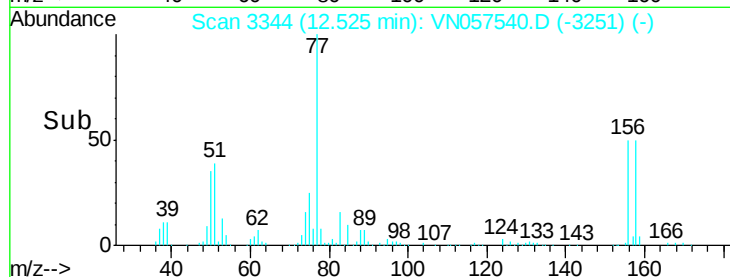
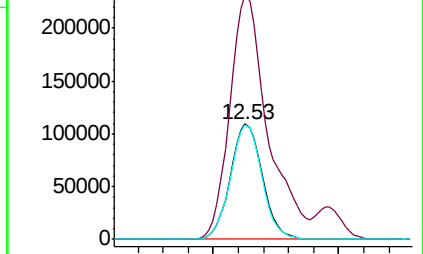
158 97.8 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.078 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057540.D

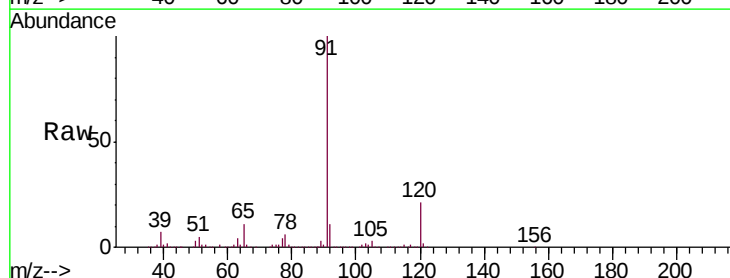
Acq: 27 Aug 2019 4:00

Tgt Ion: 91 Resp: 1084925

Ion Ratio Lower Upper

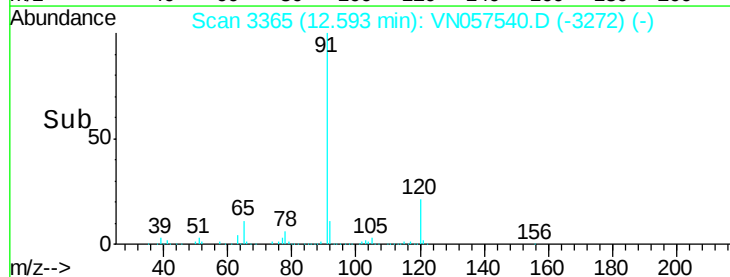
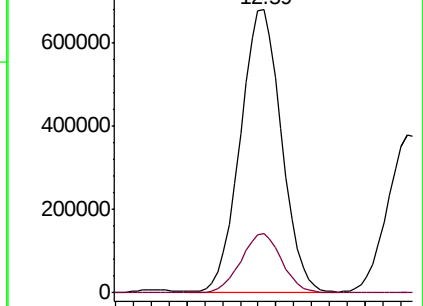
91 100

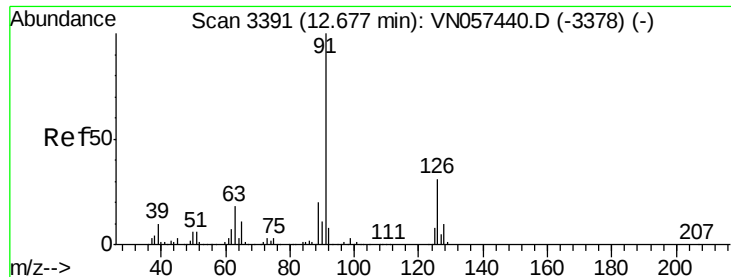
120 20.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

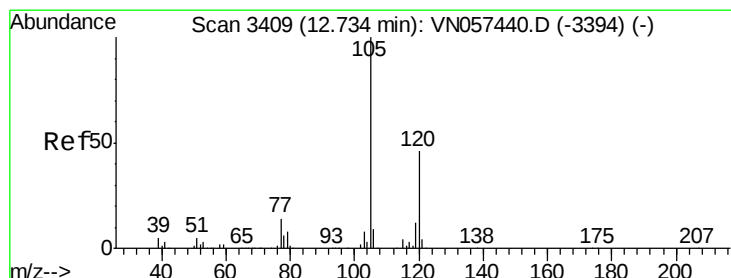
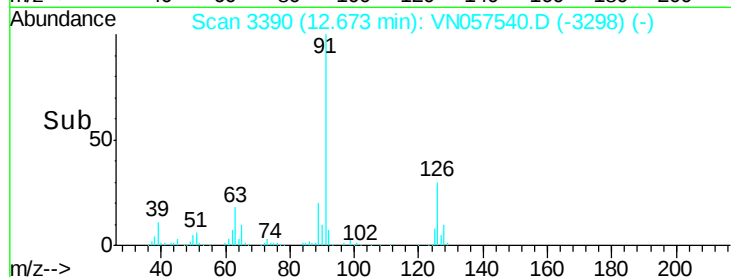
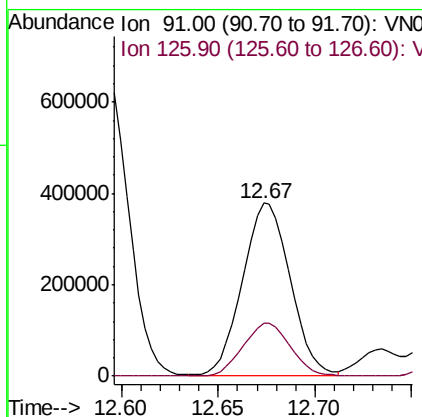
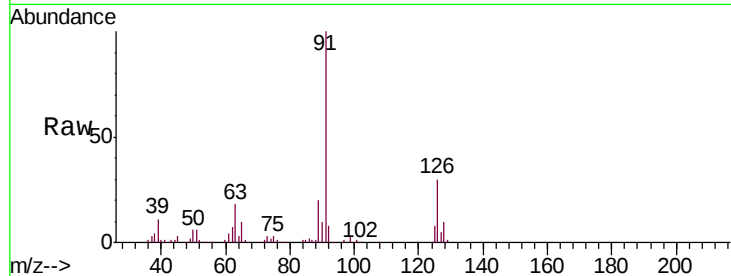




#79
 2-Chlorotoluene
 Concen: 51.095 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

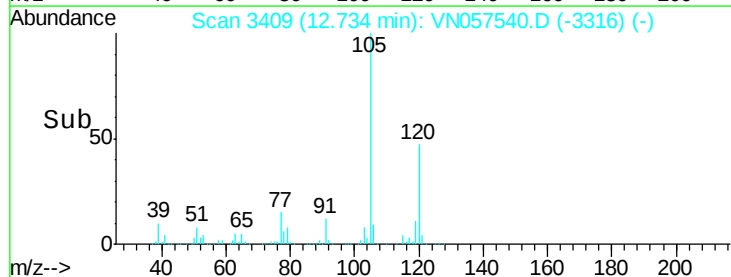
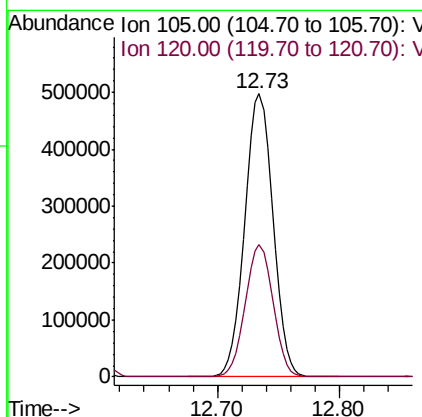
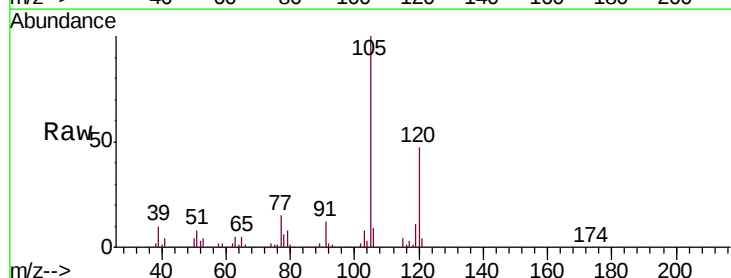
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

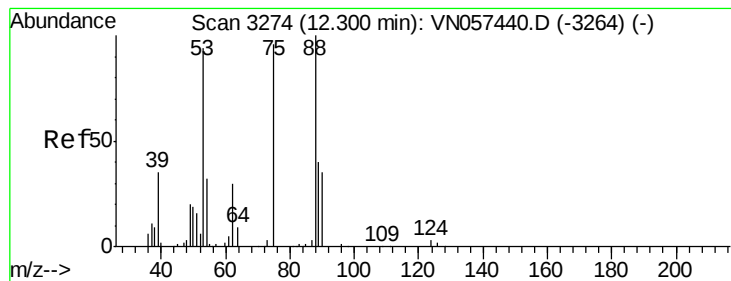
Tgt Ion: 91 Resp: 648409
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.3 45.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.865 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion: 105 Resp: 789040
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 39.177 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

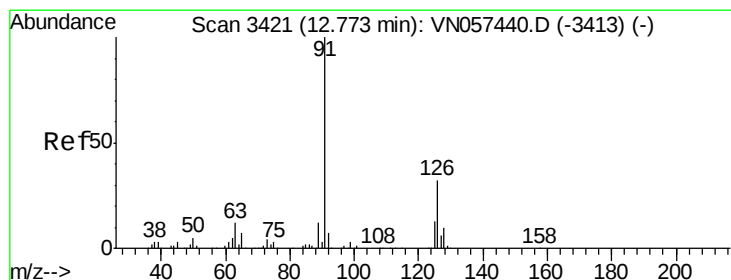
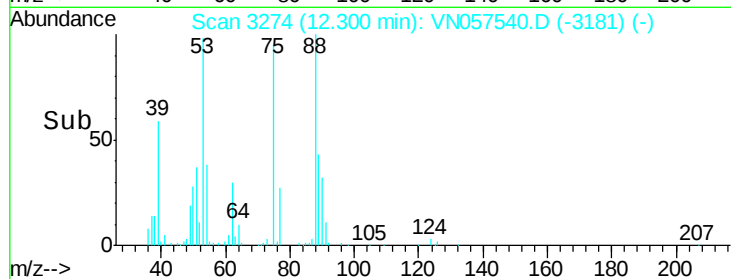
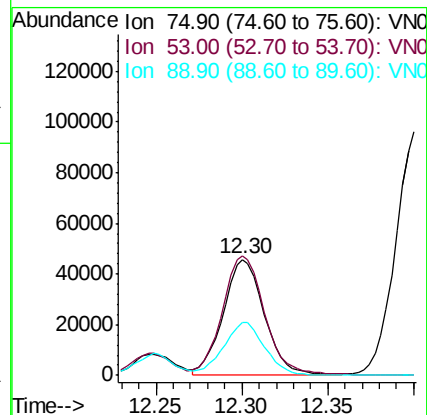
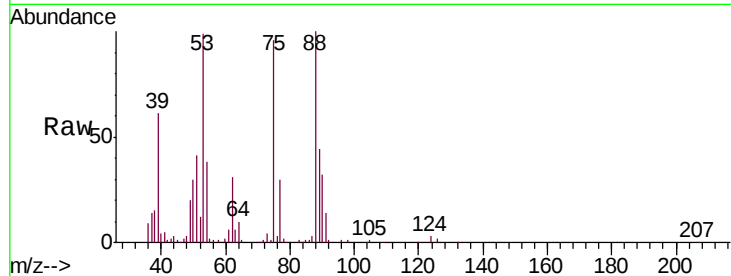
Tgt Ion: 75 Resp: 76489

Ion Ratio Lower Upper

75 100

53 105.1 82.7 124.1

89 45.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 49.702 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057540.D

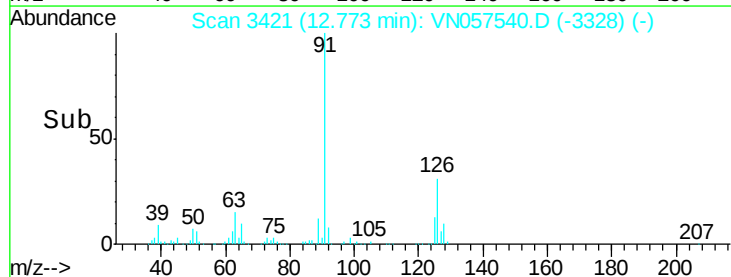
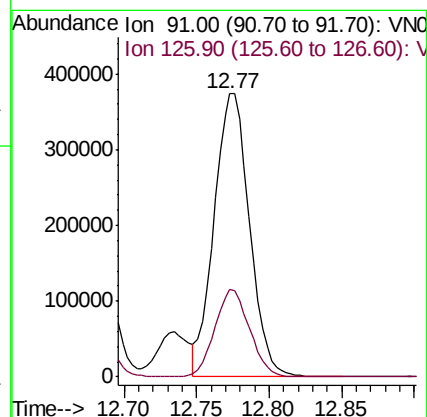
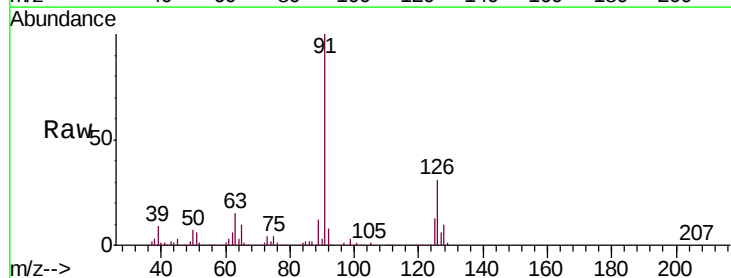
Acq: 27 Aug 2019 4:00

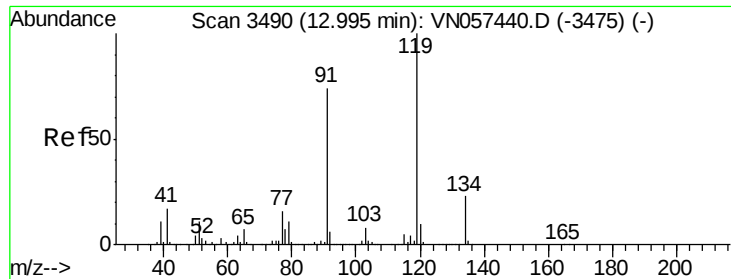
Tgt Ion: 91 Resp: 630722

Ion Ratio Lower Upper

91 100

126 30.4 15.0 45.0

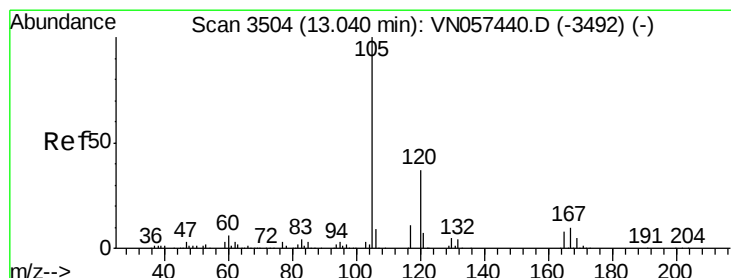
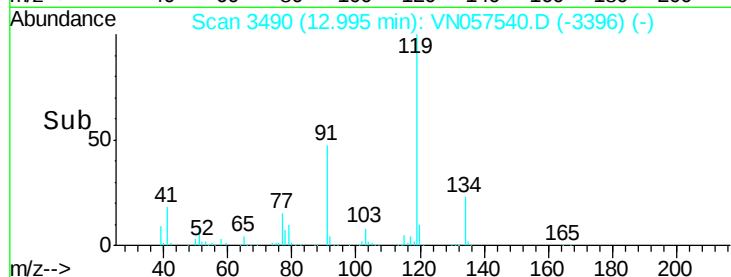
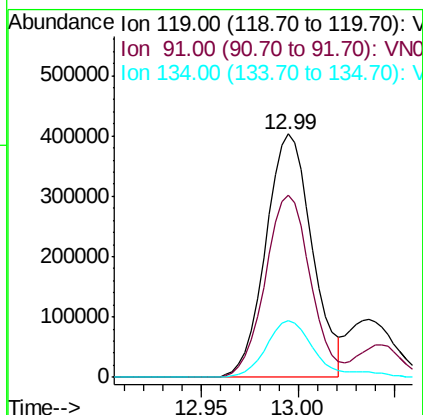
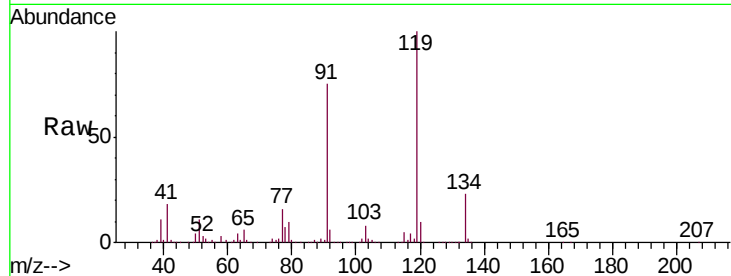




#83
 tert-Butylbenzene
 Concen: 52.044 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

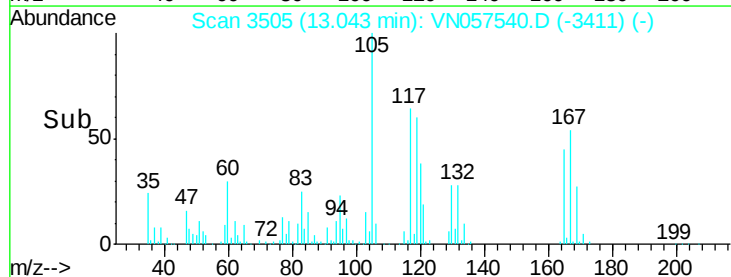
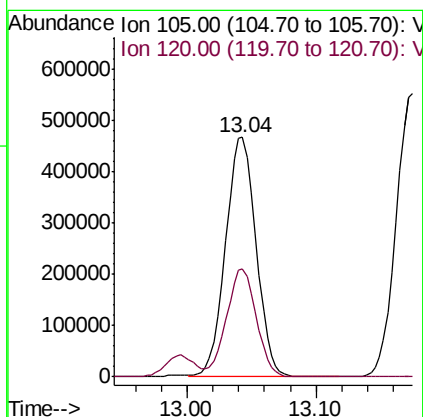
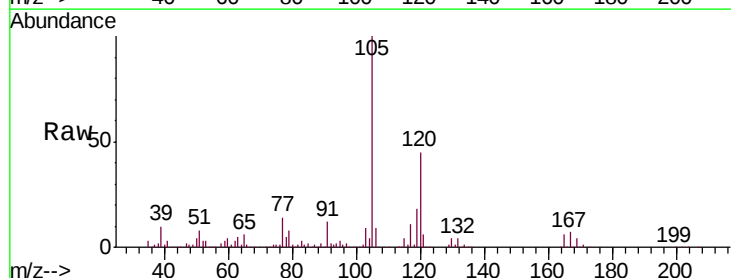
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

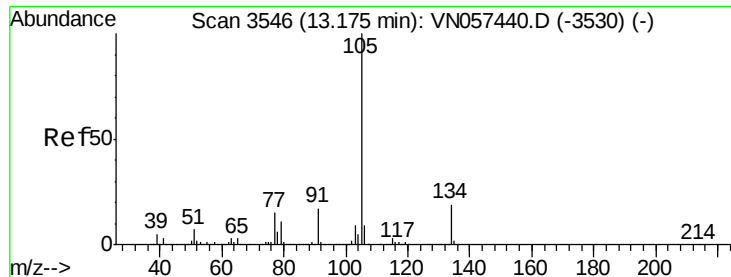
Tgt Ion:119 Resp: 673488
 Ion Ratio Lower Upper
 119 100
 91 73.4 37.0 111.0
 134 25.0 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 46.238 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion:105 Resp: 765631
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.9 65.7

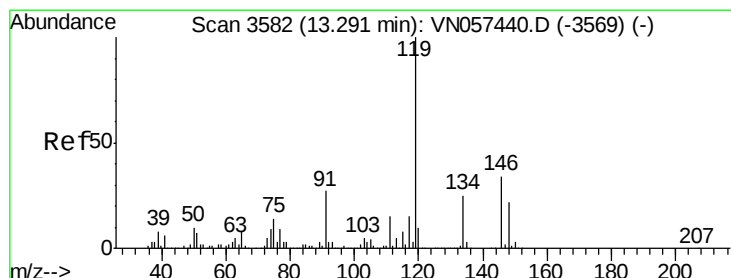
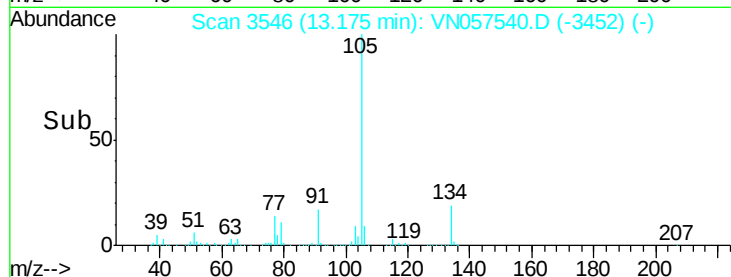
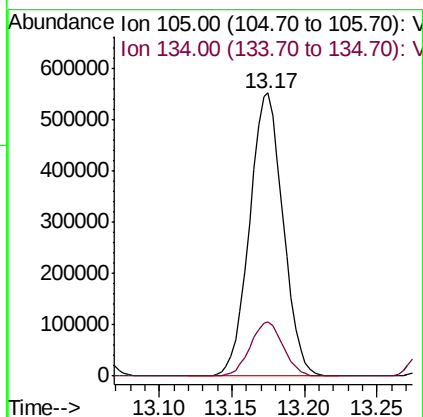
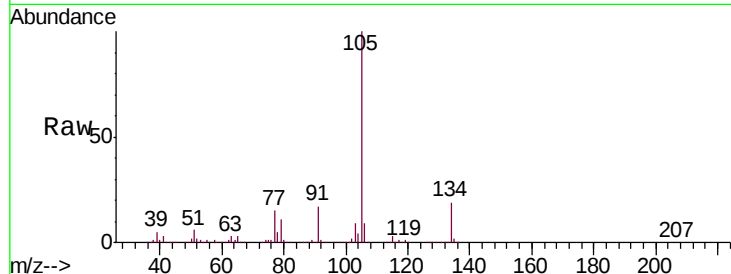




#85
 sec-Butylbenzene
 Concen: 50.329 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

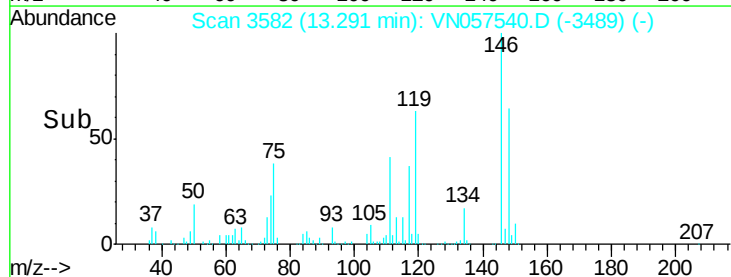
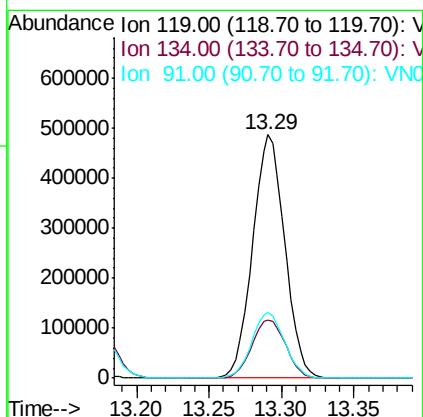
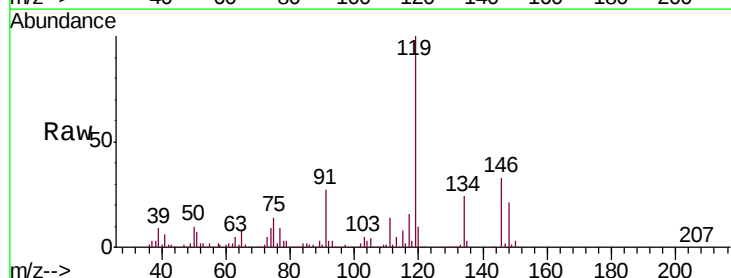
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

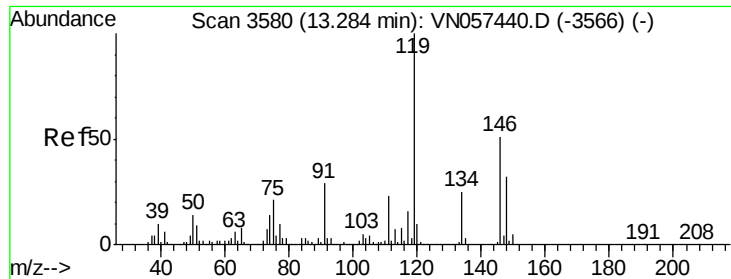
Tgt Ion:105 Resp: 885484
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 45.010 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion:119 Resp: 749347
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.1
 91 27.6 13.9 41.6

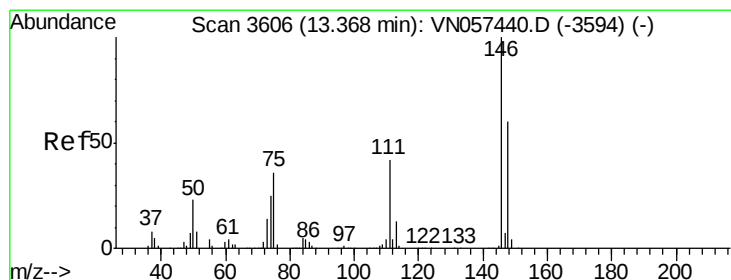
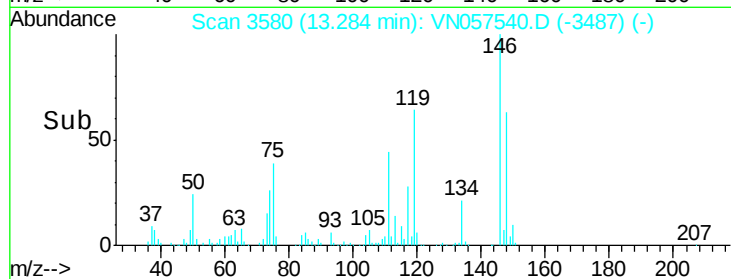
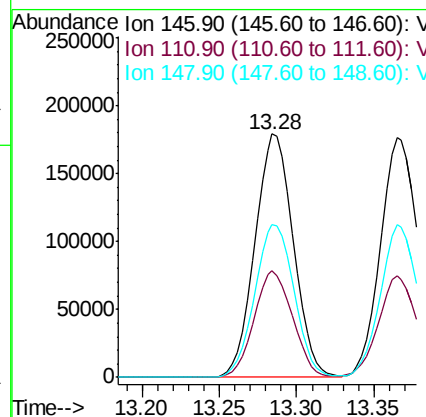
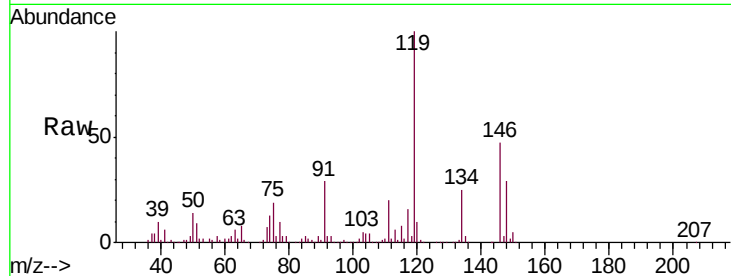




#87
 1,3-Dichlorobenzene
 Concen: 45.076 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

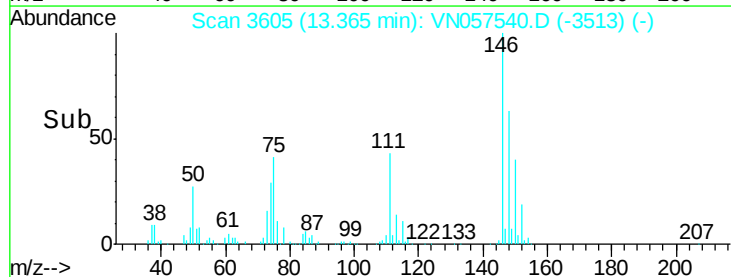
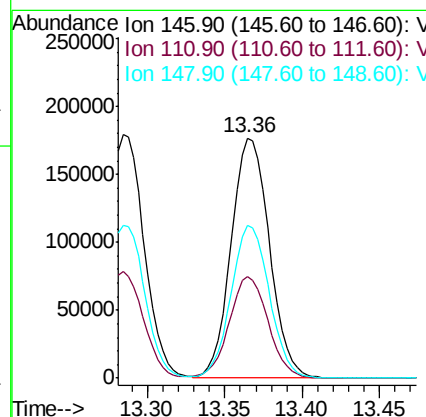
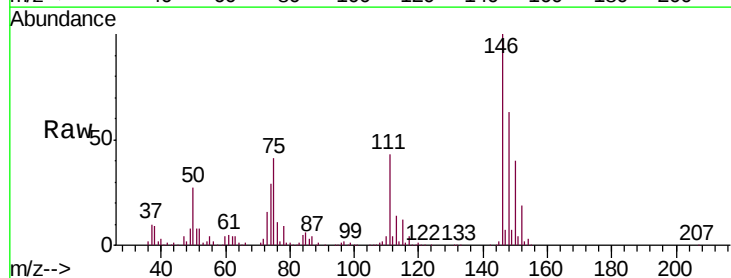
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

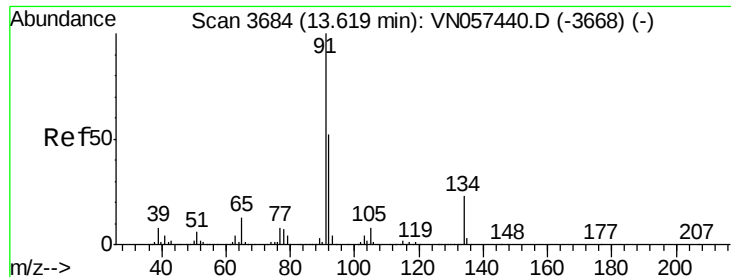
Tgt Ion:146 Resp: 310113
 Ion Ratio Lower Upper
 146 100
 111 43.8 22.1 66.1
 148 64.1 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 45.067 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion:146 Resp: 303639
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.9 65.5
 148 63.7 31.1 93.2





#89

n-Butylbenzene

Concen: 45.439 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

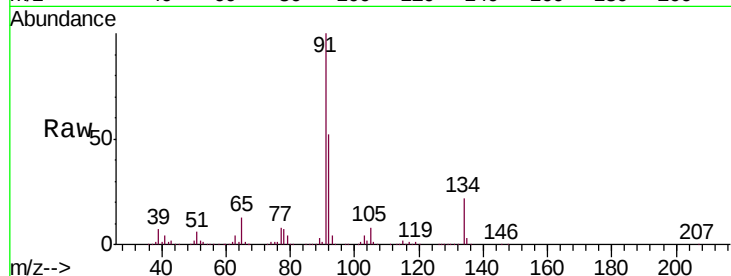
Tgt Ion: 91 Resp: 640167

Ion Ratio Lower Upper

91 100

92 51.8 25.7 77.0

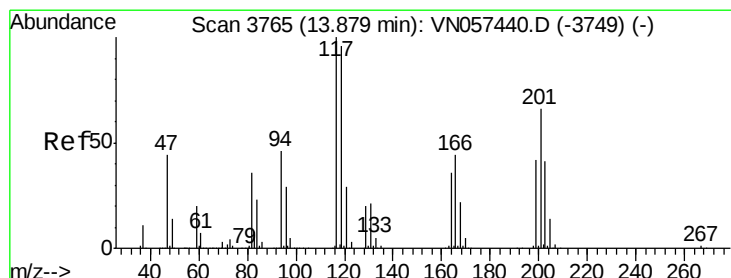
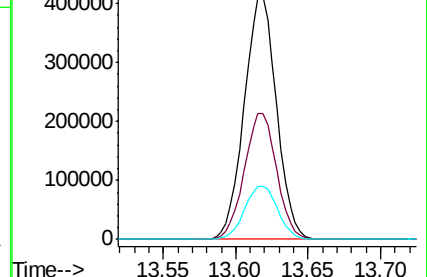
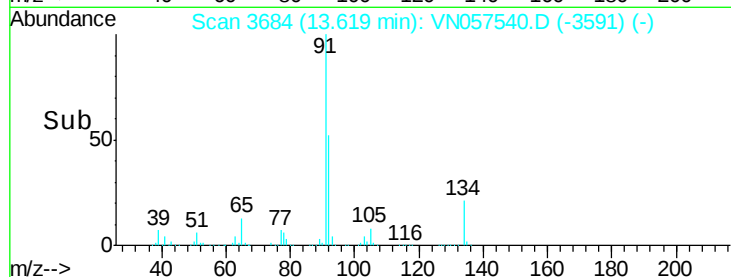
134 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN057540.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057540.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057540.D (-3668) (-)



#90

Hexachloroethane

Concen: 46.114 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057540.D

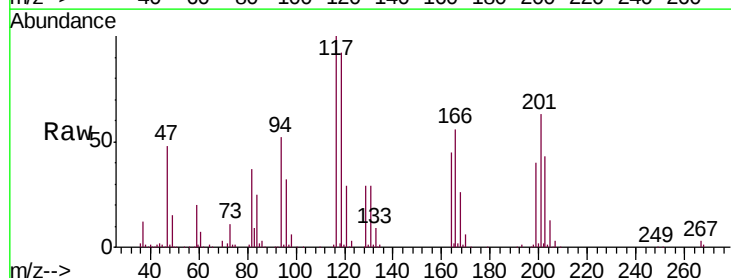
Acq: 27 Aug 2019 4:00

Tgt Ion: 117 Resp: 144483

Ion Ratio Lower Upper

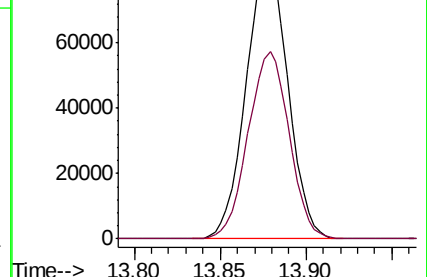
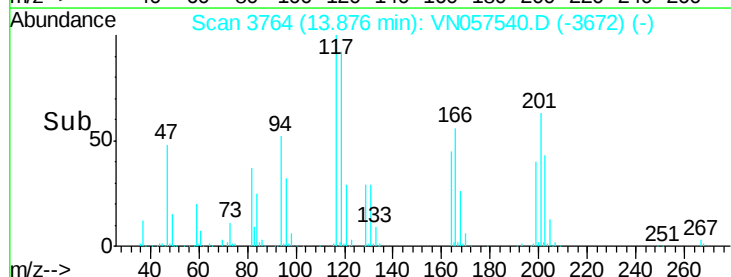
117 100

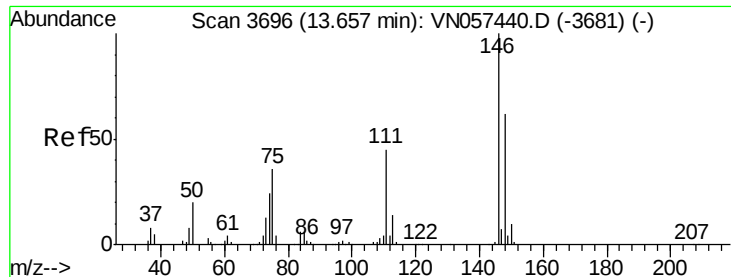
201 65.8 33.1 99.3



Abundance Ion 116.80 (116.50 to 117.50): VN057540.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057540.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 46.826 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

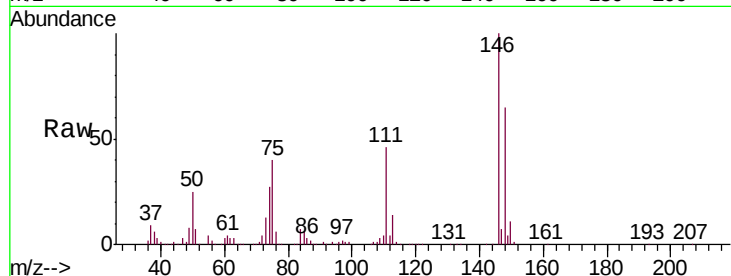
Tgt Ion:146 Resp: 307532

Ion Ratio Lower Upper

146 100

111 45.6 23.1 69.2

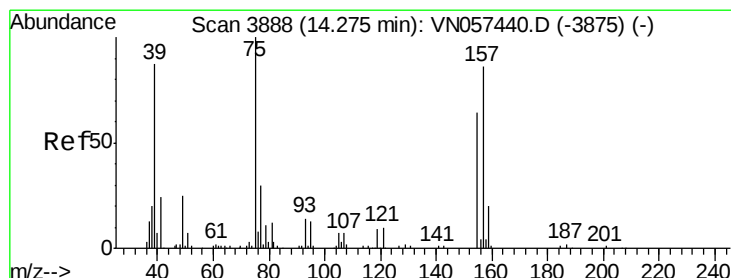
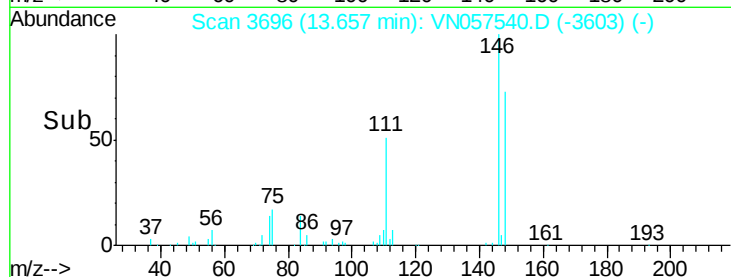
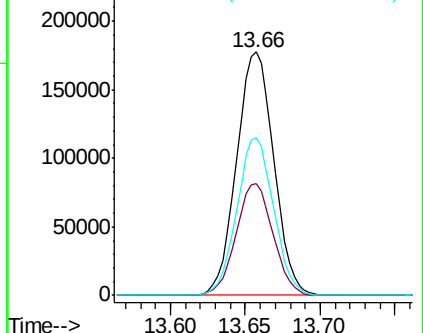
148 63.9 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.163 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

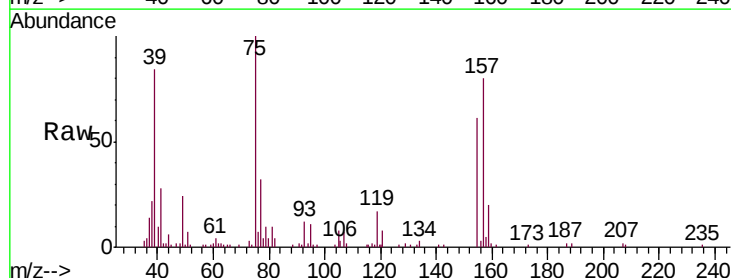
Tgt Ion: 75 Resp: 47032

Ion Ratio Lower Upper

75 100

155 63.6 31.6 94.7

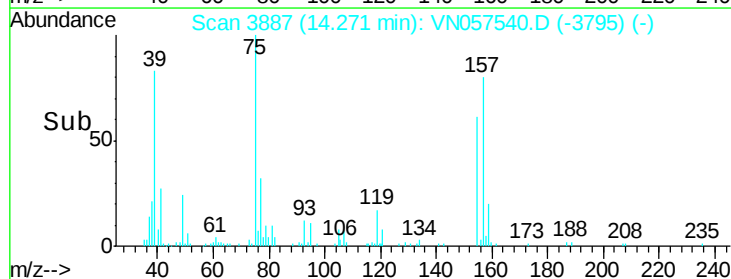
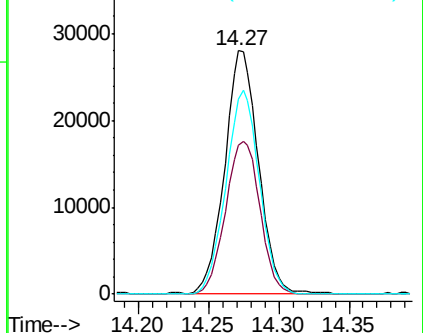
157 82.7 43.3 129.8

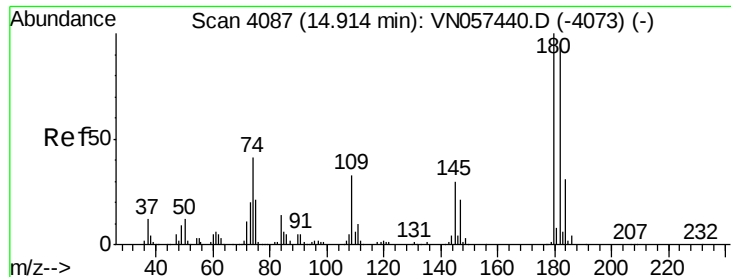


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

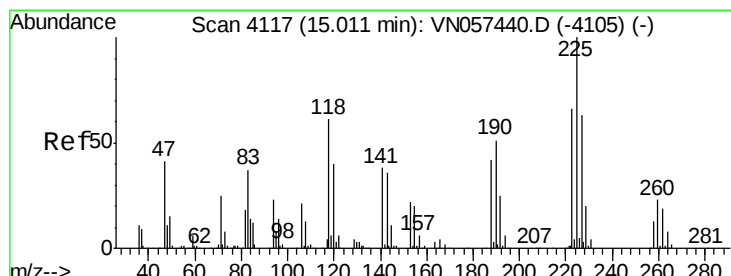
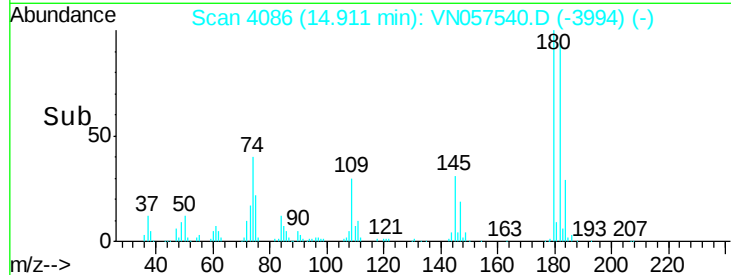
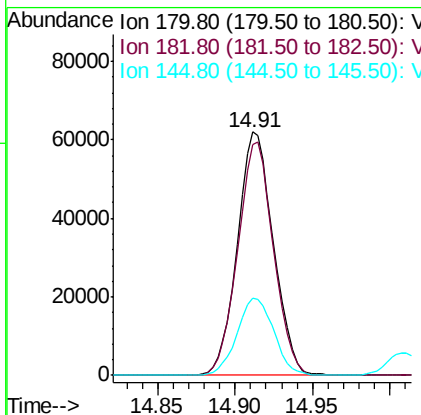
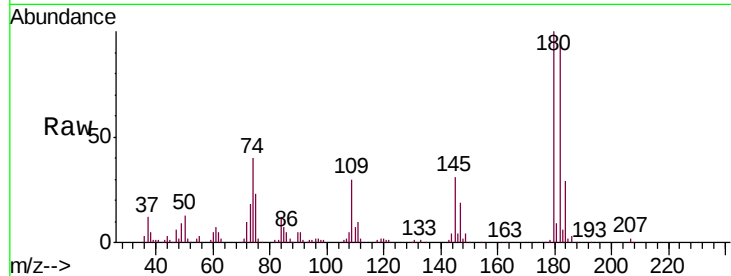




#93
 1,2,4-Trichlorobenzene
 Concen: 39.009 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

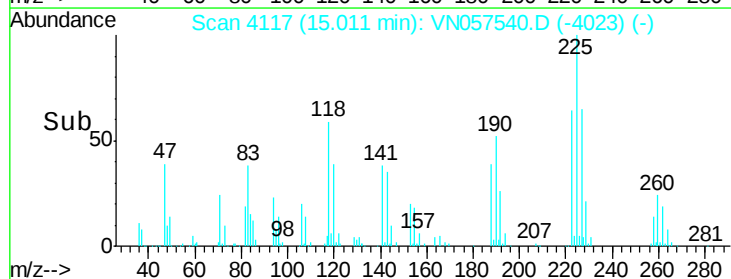
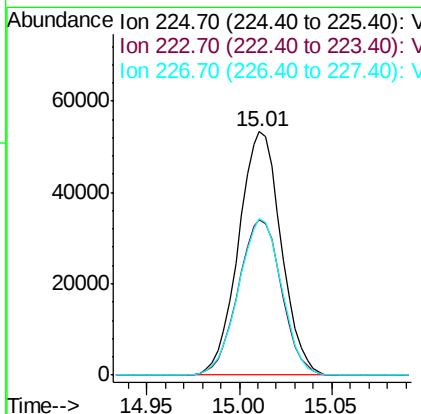
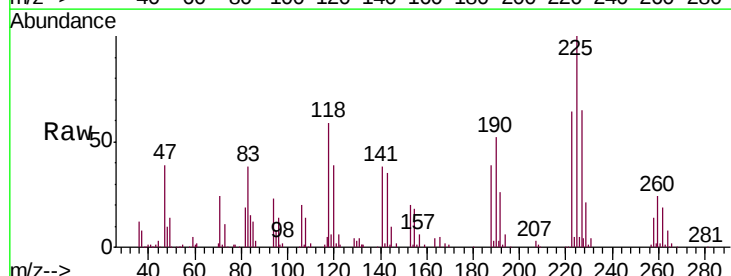
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

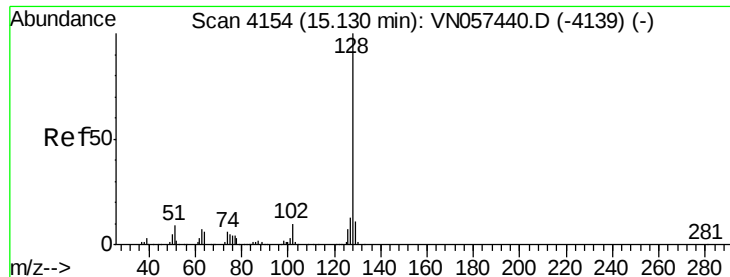
Tgt Ion:180 Resp: 100142
 Ion Ratio Lower Upper
 180 100
 182 95.0 46.7 140.1
 145 32.2 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 50.660 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion:225 Resp: 84684
 Ion Ratio Lower Upper
 225 100
 223 64.9 32.0 96.2
 227 65.1 31.5 94.5

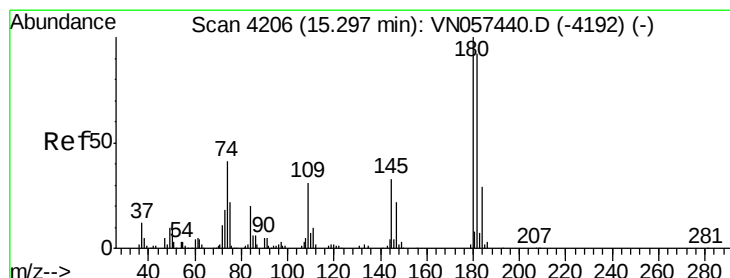
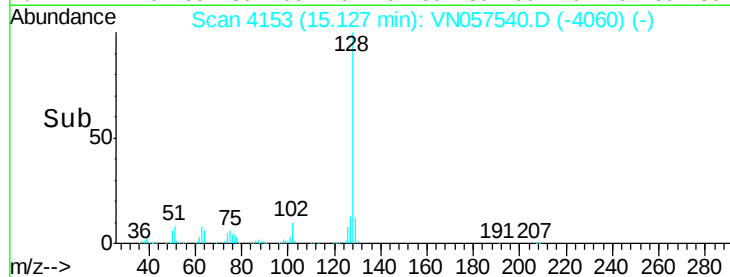
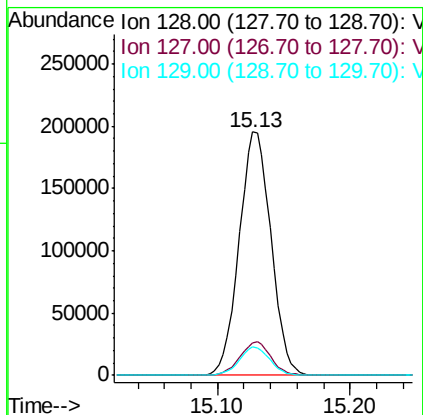
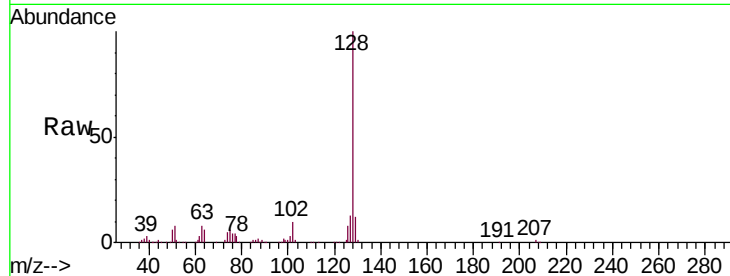




#95
Naphthalene
Concen: 39.396 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 325269
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 39.224 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion:180 Resp: 100885
Ion Ratio Lower Upper
180 100
182 94.5 46.7 140.1
145 33.3 16.8 50.3

