

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052940.D
 Acq On : 17 Dec 2018 20:58
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 18 04:47:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1083833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1672035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1500698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	717006	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	569198	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	7.59	113	370610	39.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.42%	
50) Toluene-d8	10.09	98	2012298	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	708863	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	515099	46.168	ug/l	100
3) Chloromethane	2.06	50	621964	46.448	ug/l	99
4) Vinyl Chloride	2.19	62	630537	47.067	ug/l	100
5) Bromomethane	2.57	94	406141	49.153	ug/l	99
6) Chloroethane	2.71	64	374914	47.346	ug/l	99
7) Trichlorofluoromethane	3.03	101	794376	47.828	ug/l	99
8) Diethyl Ether	3.41	74	309297	51.051	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	496138	48.199	ug/l	99
10) Methyl Iodide	3.96	142	730906	50.702	ug/l	100
11) Tert butyl alcohol	4.77	59	183017	284.222	ug/l	99
12) 1,1-Dichloroethene	3.74	96	486137	48.786	ug/l	98
13) Acrolein	3.61	56	97595	160.979	ug/l	100
14) Allyl chloride	4.33	41	763006	46.880	ug/l	98
15) Acrylonitrile	4.99	53	944855	261.554	ug/l	100
16) Acetone	3.81	43	602790	232.894	ug/l	97
17) Carbon Disulfide	4.06	76	1431086	46.750	ug/l	99
18) Methyl Acetate	4.32	43	518138	54.547	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1399157	51.721	ug/l	100
20) Methylene Chloride	4.55	84	571649	49.078	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	511143	47.347	ug/l	99
22) Diisopropyl ether	5.95	45	1696581	48.861	ug/l	97
23) Vinyl Acetate	5.90	43	5007268	242.352	ug/l	99
24) 1,1-Dichloroethane	5.85	63	977243	48.805	ug/l	99
25) 2-Butanone	6.83	43	993319	247.336	ug/l	97
26) 2,2-Dichloropropane	6.83	77	676431	45.874	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	598318	48.831	ug/l	99
28) Bromochloromethane	7.20	49	443245	49.297	ug/l	97
29) Tetrahydrofuran	7.21	42	707491	258.047	ug/l	99
30) Chloroform	7.37	83	952896	48.801	ug/l	100
31) Cyclohexane	7.65	56	904520	46.274	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	808256	49.474	ug/l	99
36) 1,1-Dichloropropene	7.79	75	737033	47.868	ug/l	100
37) Ethyl Acetate	6.93	43	469294	50.736	ug/l	99
38) Carbon Tetrachloride	7.78	117	683669	48.239	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	892853	47.253	ug/l	98
40) Benzene	8.04	78	2236636	48.399	ug/l	100
41) Methacrylonitrile	7.17	41	259677	50.668	ug/l	95
42) 1,2-Dichloroethane	8.12	62	673080	48.379	ug/l	99
43) Isopropyl Acetate	8.16	43	921302	48.580	ug/l	99
44) Trichloroethene	8.84	130	633644	50.763	ug/l	97
45) 1,2-Dichloropropane	9.12	63	597780	49.386	ug/l	100
46) Dibromomethane	9.21	93	344991	49.145	ug/l	98
47) Bromodichloromethane	9.40	83	724625	49.779	ug/l	100
48) Methyl methacrylate	9.20	41	440356	52.948	ug/l	100
49) 1,4-Dioxane	9.20	88	105001	1112.279	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2271395	261.201	ug/l	99
52) Toluene	10.16	92	1385724	49.509	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	776084	52.981	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	889551	50.961	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	501282	50.172	ug/l	97
56) Ethyl methacrylate	10.43	69	699956	54.589	ug/l	98
57) 1,3-Dichloropropane	10.71	76	857787	50.065	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1919632	268.308	ug/l	99
59) 2-Hexanone	10.75	43	1538744	258.200	ug/l	99
60) Dibromochloromethane	10.90	129	553589	51.266	ug/l	100
61) 1,2-Dibromoethane	11.01	107	507228	51.359	ug/l	100
64) Tetrachloroethene	10.63	164	729428	56.553	ug/l	99
65) Chlorobenzene	11.44	112	1521135	48.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	545232	50.354	ug/l	100
67) Ethyl Benzene	11.51	91	2658683	49.726	ug/l	100
68) m/p-Xylenes	11.62	106	2022525	100.742	ug/l	99
69) o-Xylene	11.95	106	984554	50.222	ug/l	99
70) Styrene	11.96	104	1619149	51.378	ug/l	100
71) Bromoform	12.13	173	387647	52.696	ug/l #	100
73) Isopropylbenzene	12.25	105	2600909	48.584	ug/l	100
74) N-amyl acetate	12.07	43	804753	54.755	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	534763	44.572	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	779889	73.723	ug/l #	100
77) Bromobenzene	12.53	156	673228	49.443	ug/l	98
78) n-propylbenzene	12.59	91	2982007	48.841	ug/l	100
79) 2-Chlorotoluene	12.68	91	1735065	48.069	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2117050	48.988	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	185567	56.353	ug/l	96
82) 4-Chlorotoluene	12.77	91	1780585	48.248	ug/l	99
83) tert-Butylbenzene	12.99	119	1843660	48.362	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2164587	49.476	ug/l	100
85) sec-Butylbenzene	13.17	105	2521211	48.835	ug/l	100
86) p-Isopropyltoluene	13.29	119	2202426	49.240	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1181182	48.815	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1161174	48.458	ug/l	99
89) n-Butylbenzene	13.62	91	1877668	49.866	ug/l	99
90) Hexachloroethane	13.88	117	336492	44.927	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1136671	48.835	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	99656	55.103	ug/l	98

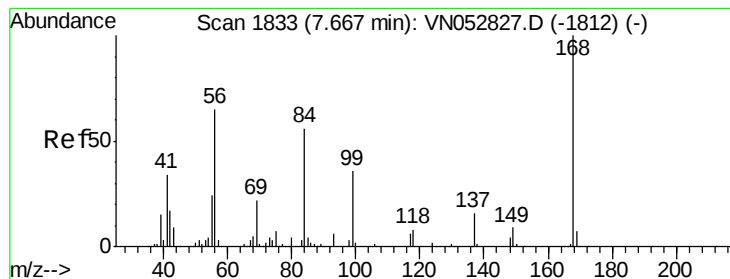
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	655729	51.826	ug/l	99
94) Hexachlorobutadiene	15.01	225	344022	46.975	ug/l	99
95) Naphthalene	15.13	128	1469600	56.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	579010	49.873	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

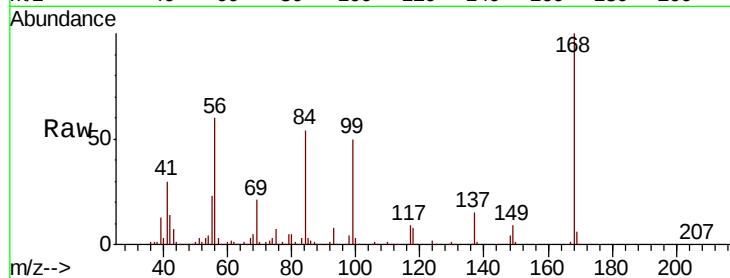
VSTDCCC050EC

Tot Ion:168 Resp: 1083833

Ion Ratio Lower Upper

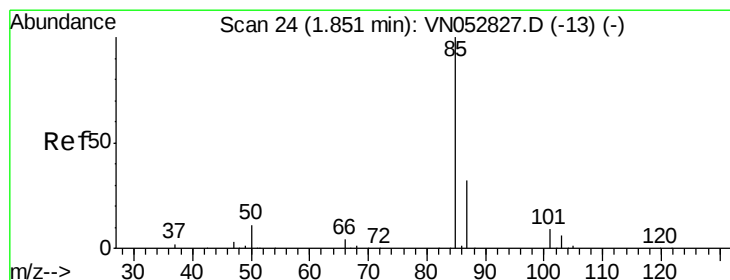
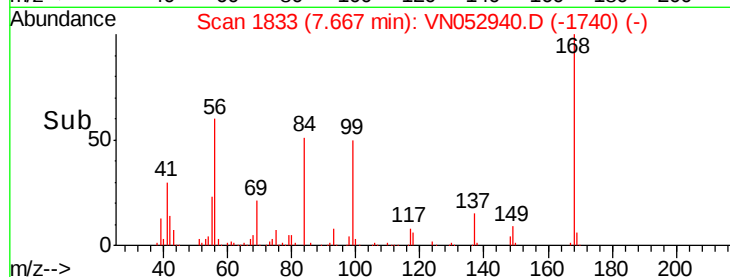
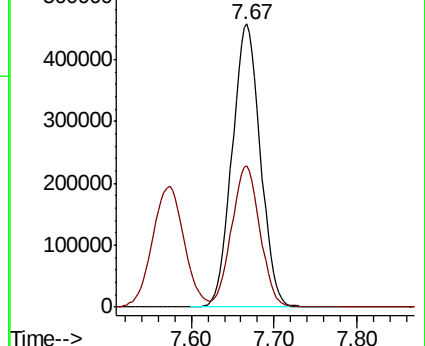
168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.168 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052940.D

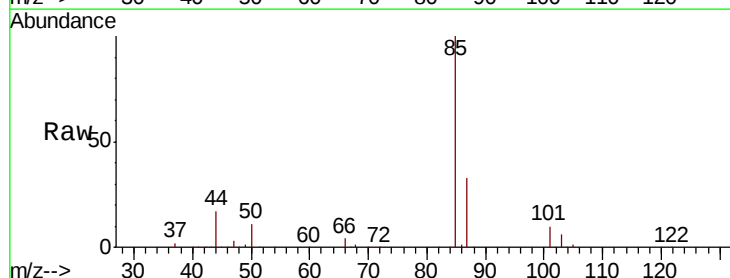
Acq: 17 Dec 2018 20:58

Tgt Ion: 85 Resp: 515099

Ion Ratio Lower Upper

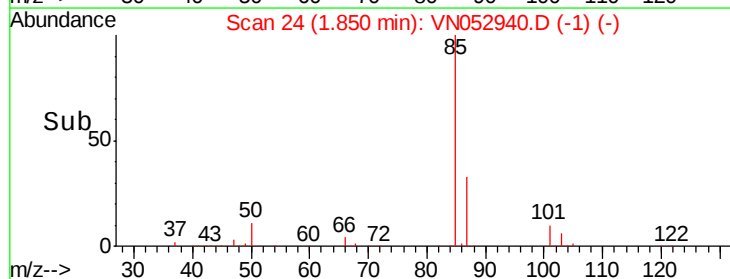
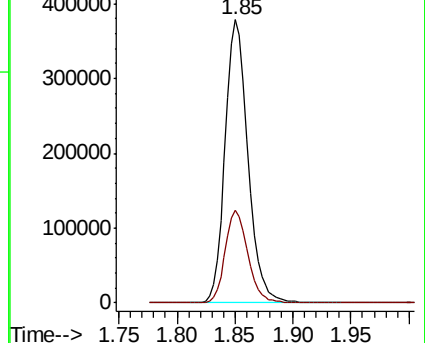
85 100

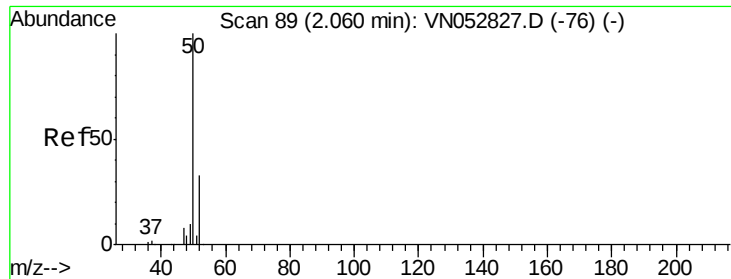
87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.448 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

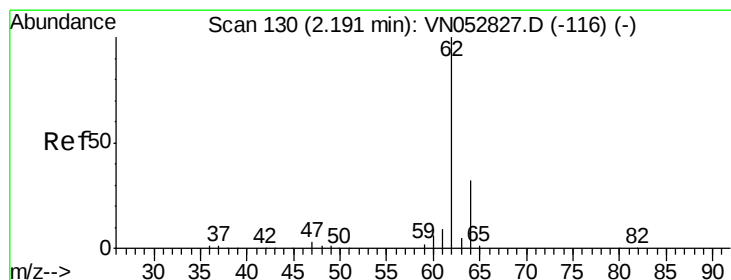
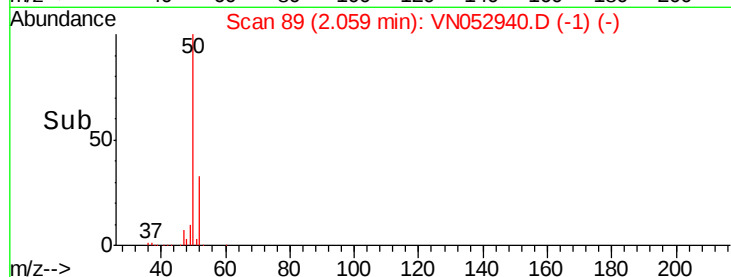
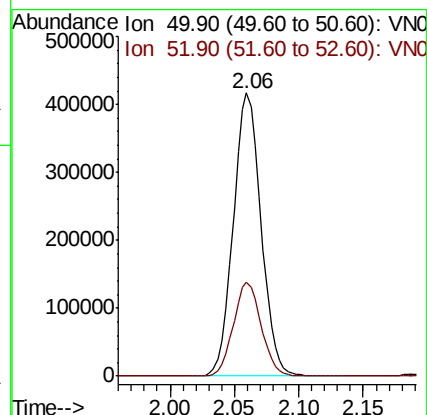
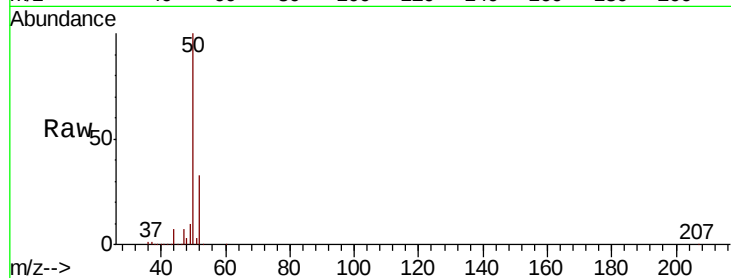
VSTDCCC050EC

Tot Ion: 50 Resp: 621964

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



#4

Vinyl Chloride

Concen: 47.067 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052940.D

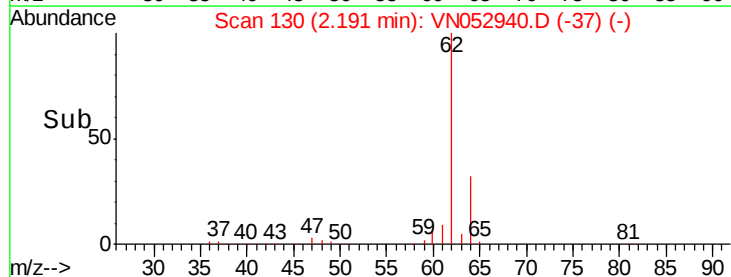
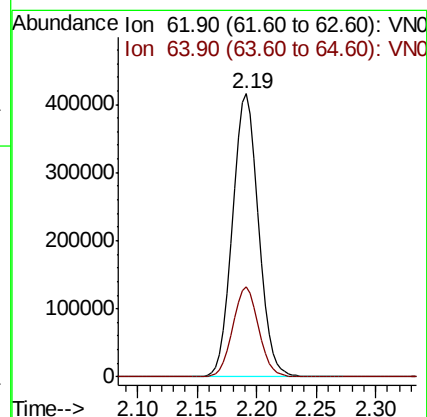
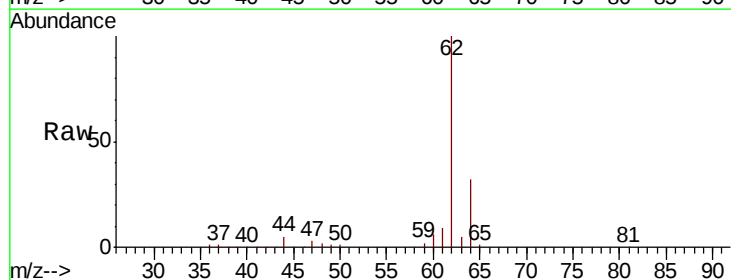
Acq: 17 Dec 2018 20:58

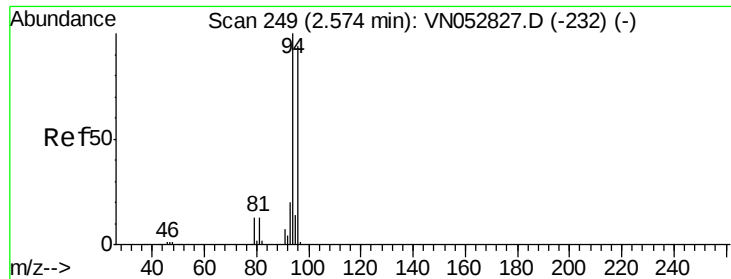
Tgt Ion: 62 Resp: 630537

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 49.153 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

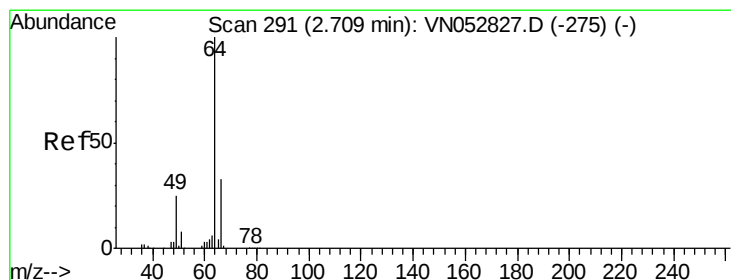
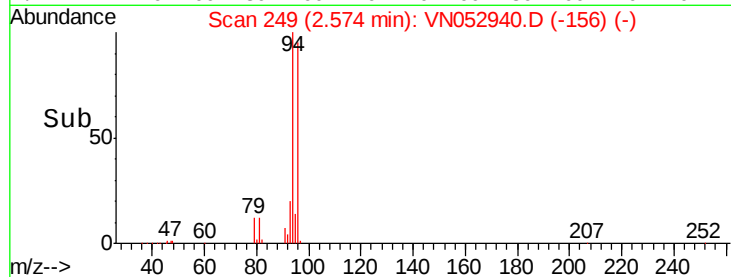
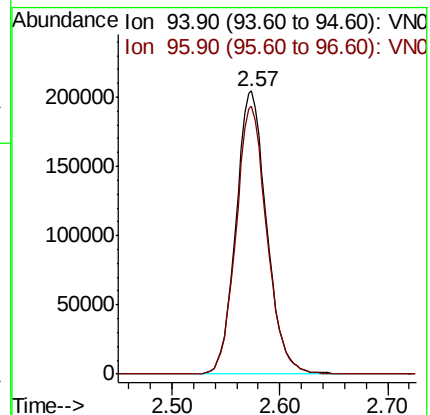
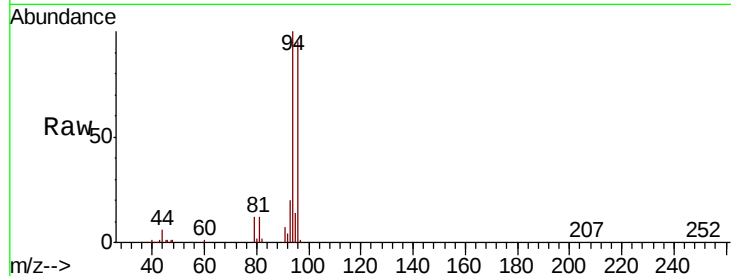
VSTDCCC050EC

Tot Ion: 94 Resp: 406141

Ion Ratio Lower Upper

94 100

96 94.7 75.0 112.4



#6

Chloroethane

Concen: 47.346 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052940.D

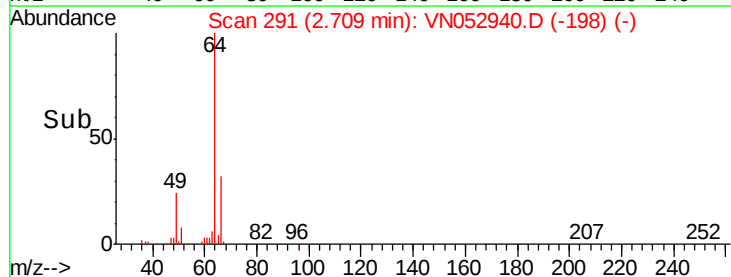
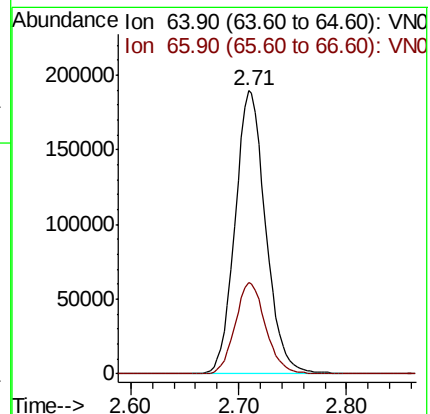
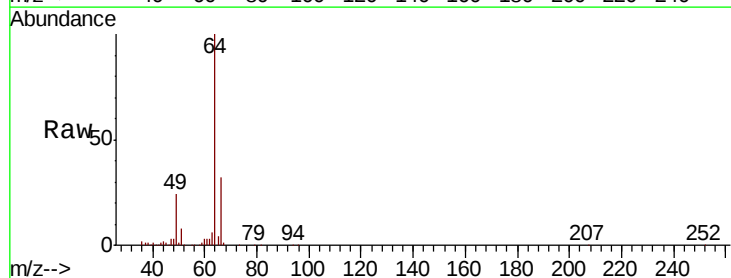
Acq: 17 Dec 2018 20:58

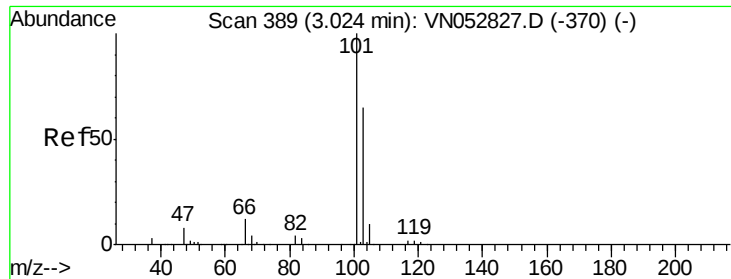
Tgt Ion: 64 Resp: 374914

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2



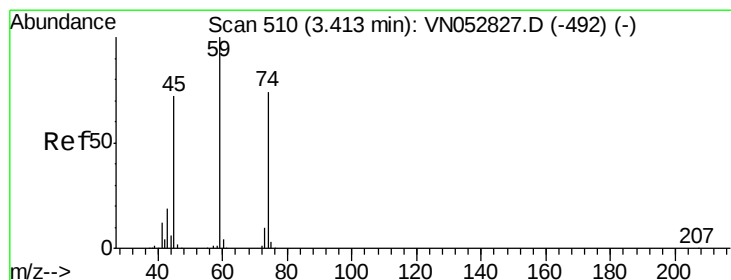
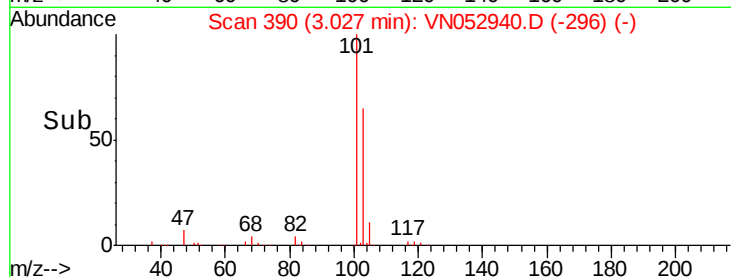
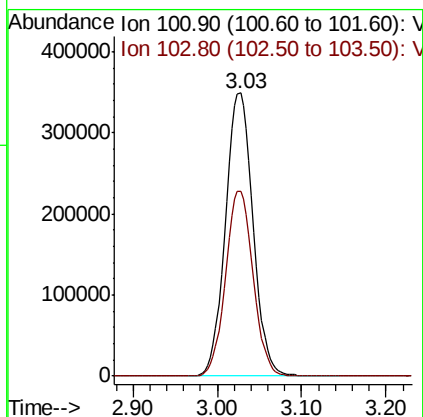
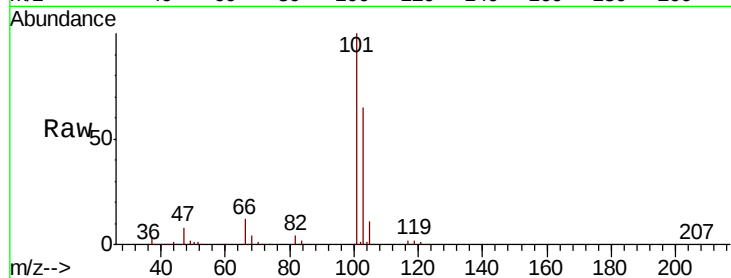


#7

Trichlorofluoromethane
 Concen: 47.828 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Instrument :
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 VSTDCCC050EC

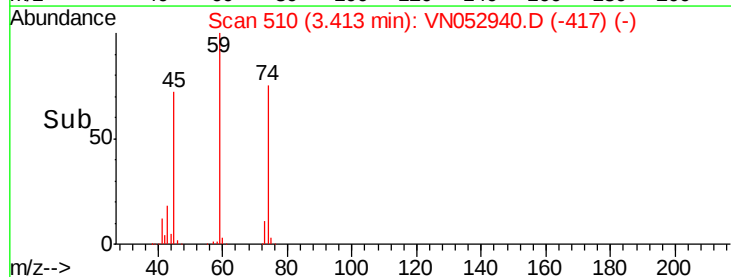
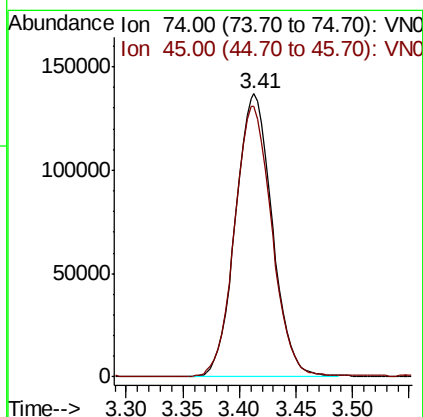
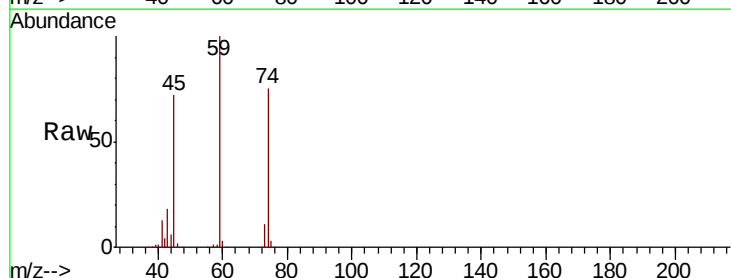
Tot Ion:101 Resp: 794376
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.8 77.6

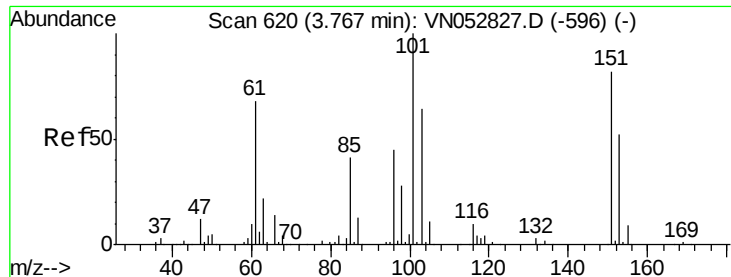


#8

Diethyl Ether
 Concen: 51.051 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion: 74 Resp: 309297
 Ion Ratio Lower Upper
 74 100
 45 96.5 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.199 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

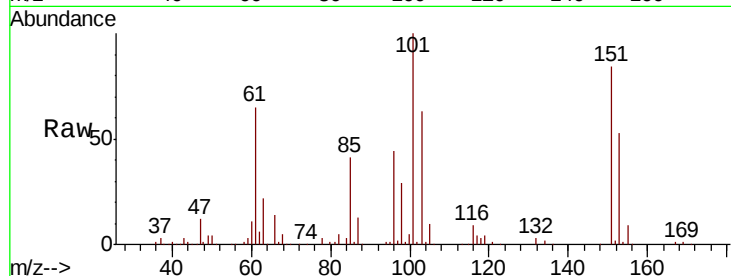
Tot Ion:101 Resp: 496138

Ion Ratio Lower Upper

101 100

85 41.6 33.6 50.4

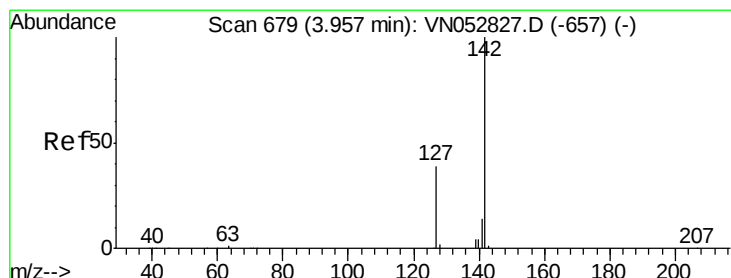
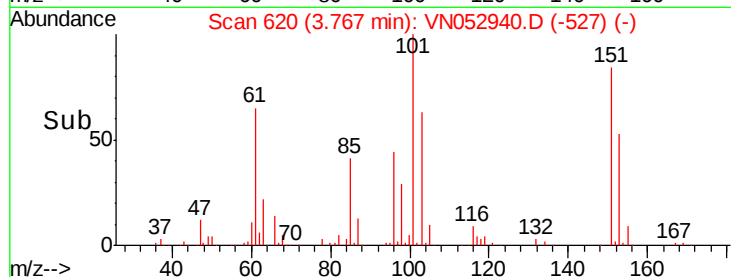
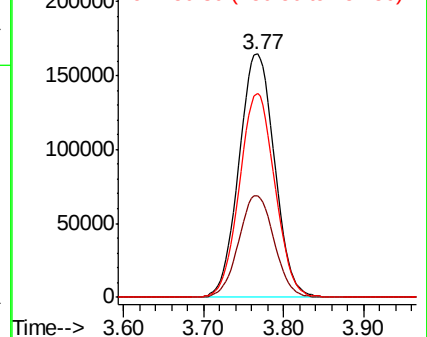
151 83.5 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.702 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

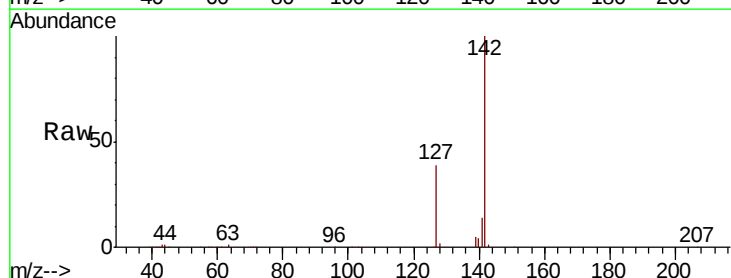
Tgt Ion:142 Resp: 730906

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.6

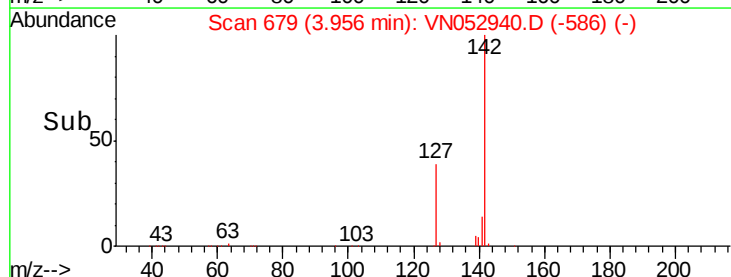
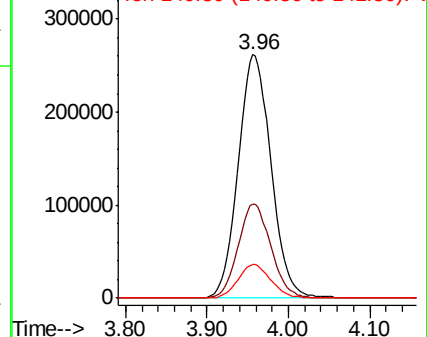
141 13.9 11.2 16.8

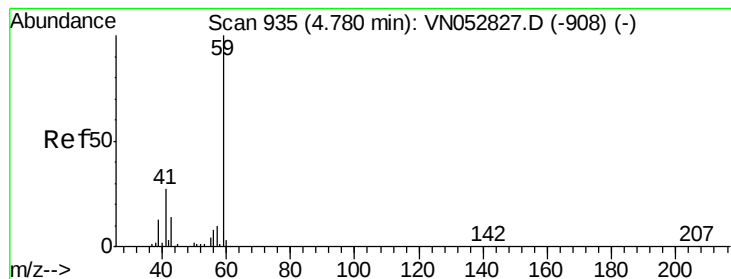


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



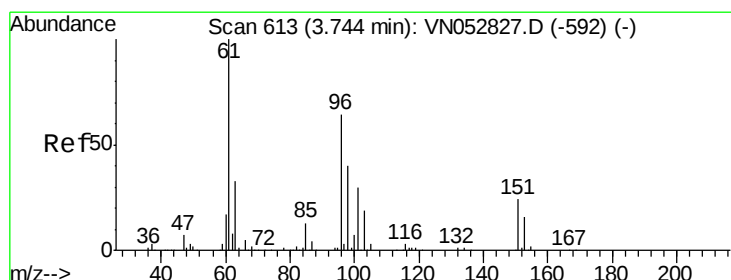
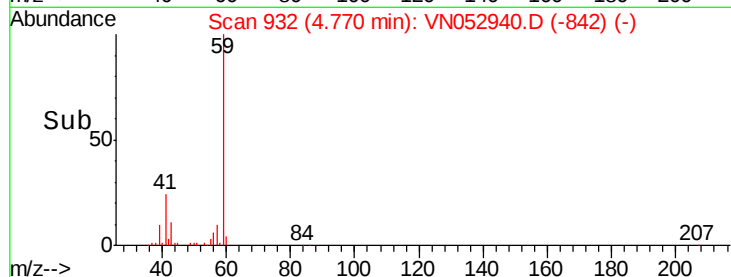
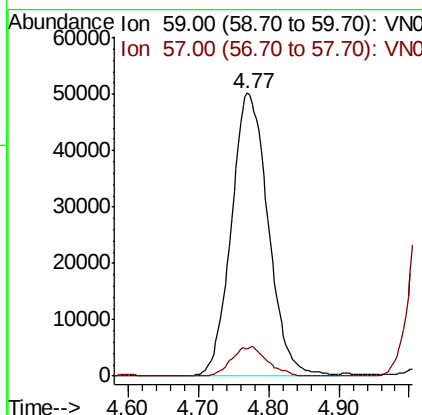
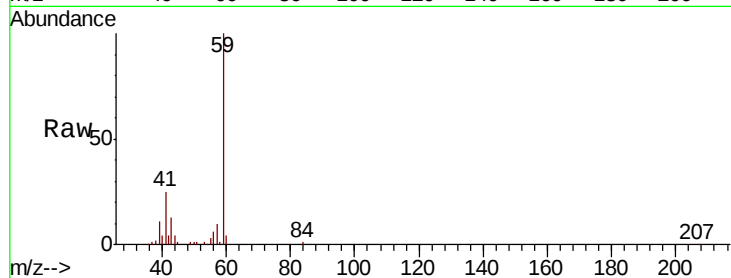


#11

Tert butyl alcohol
 Concen: 284.222 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

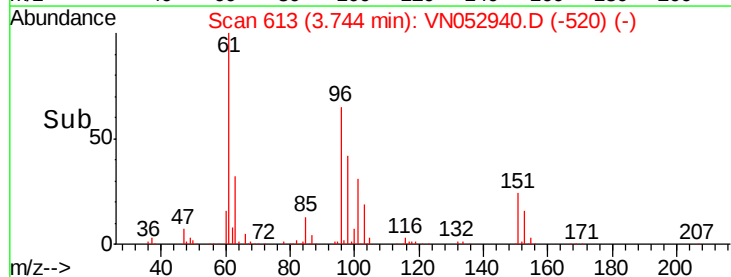
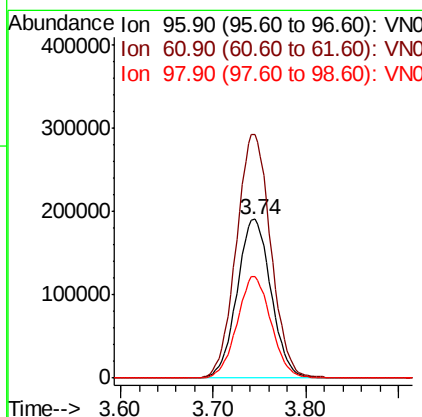
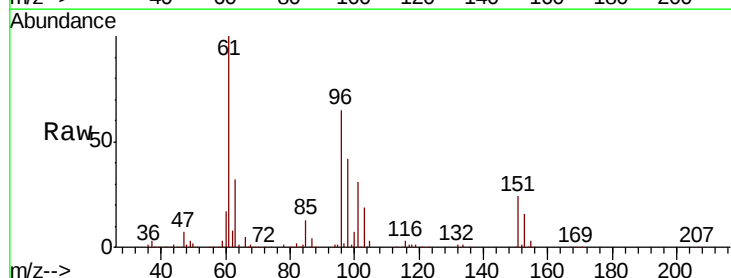
Tot Ion: 59 Resp: 183017
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.7 11.5

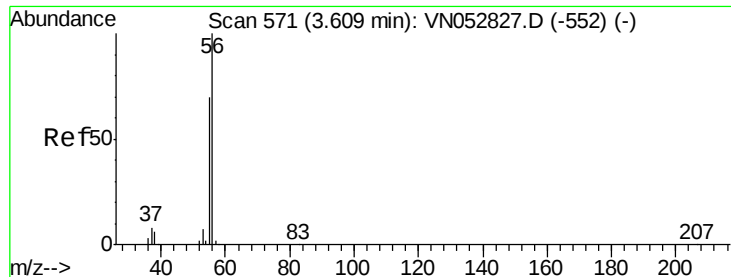


#12

1,1-Dichloroethene
 Concen: 48.786 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion: 96 Resp: 486137
 Ion Ratio Lower Upper
 96 100
 61 153.1 125.6 188.4
 98 63.9 50.6 75.8





#13

Acrolein

Concen: 160.979 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

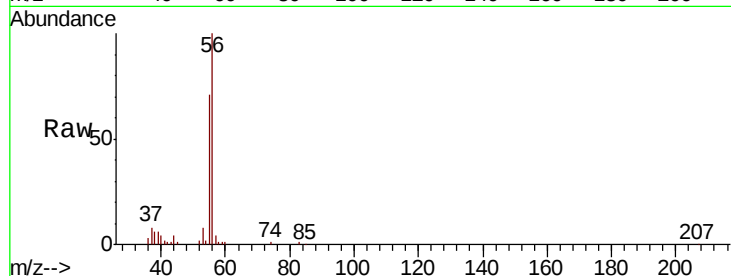
VSTDCCC050EC

Tot Ion: 56 Resp: 97595

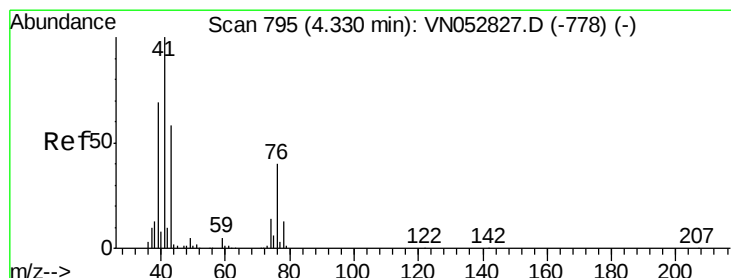
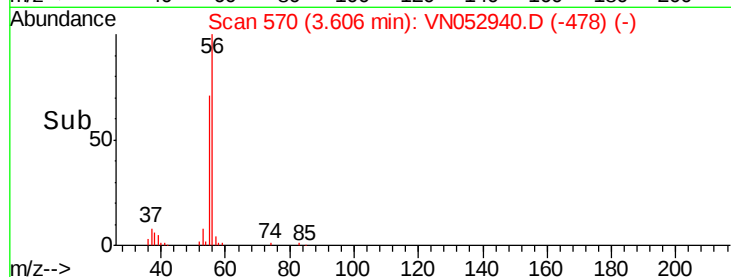
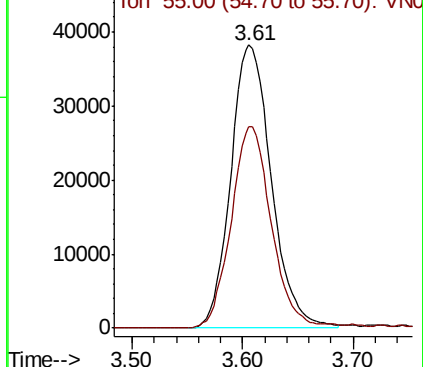
Ion Ratio Lower Upper

56 100

55 70.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN052940.D (-552) (-)



#14

Allyl chloride

Concen: 46.880 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

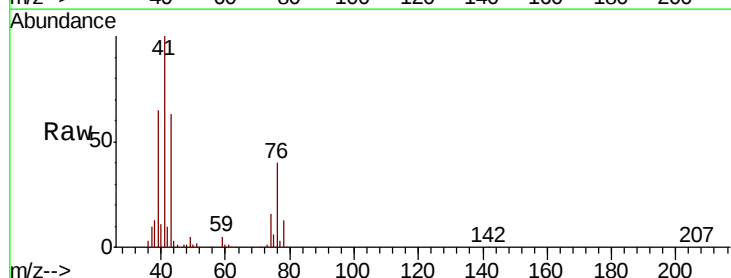
Tgt Ion: 41 Resp: 763006

Ion Ratio Lower Upper

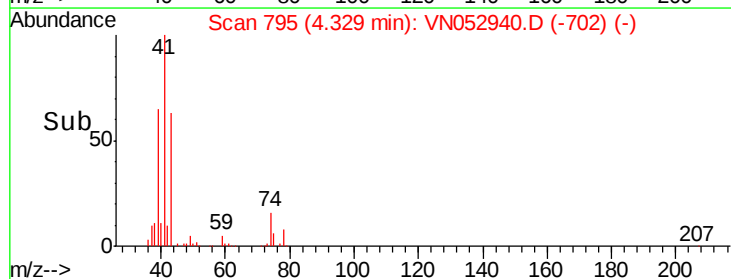
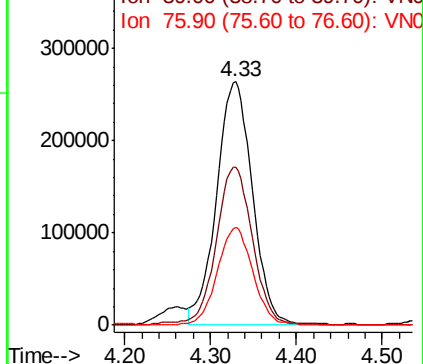
41 100

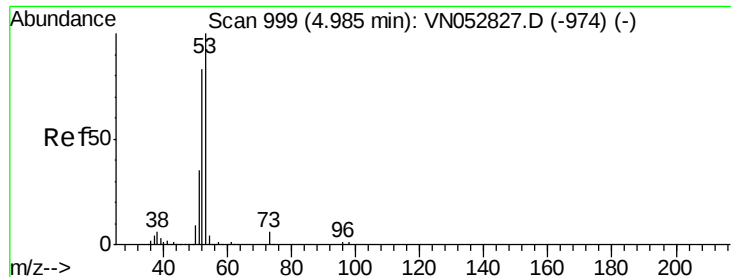
39 66.6 54.1 81.1

76 39.2 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VN052940.D (-778) (-)





#15

Acrylonitrile

Concen: 261.554 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

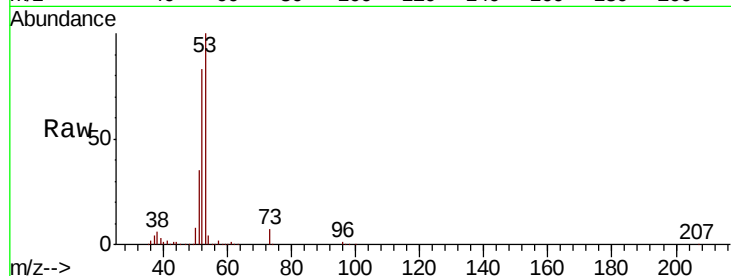
Tot Ion: 53 Resp: 944855

Ion Ratio Lower Upper

53 100

52 81.9 65.1 97.7

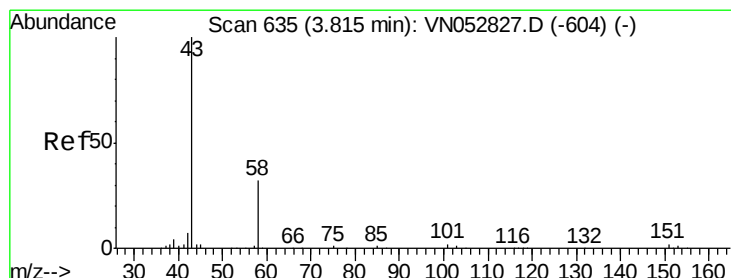
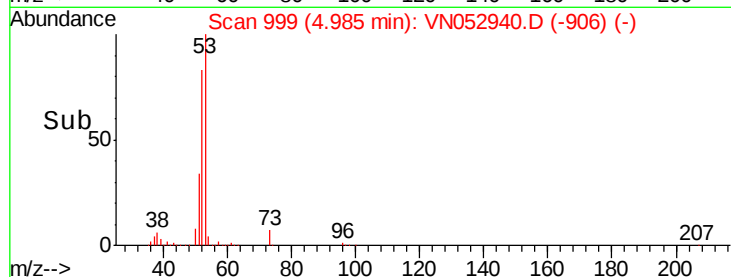
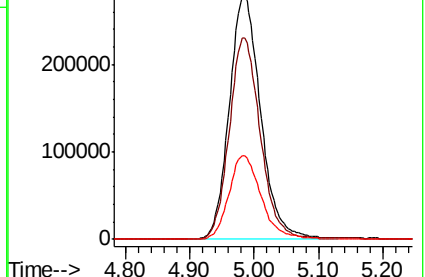
51 35.3 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052827.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN052827.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN052827.D (-974) (-)



#16

Acetone

Concen: 232.894 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052940.D

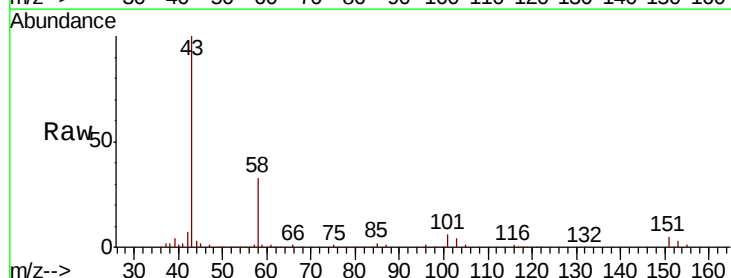
Acq: 17 Dec 2018 20:58

Tgt Ion: 43 Resp: 602790

Ion Ratio Lower Upper

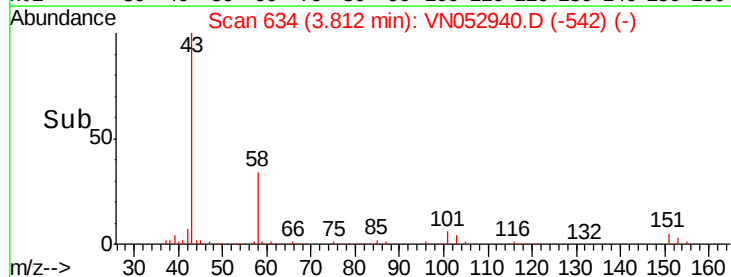
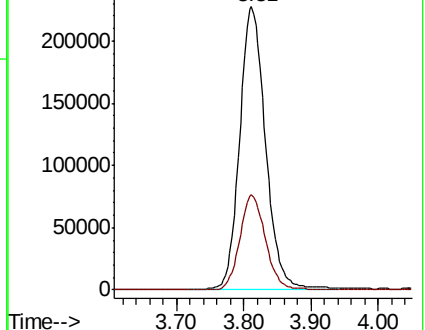
43 100

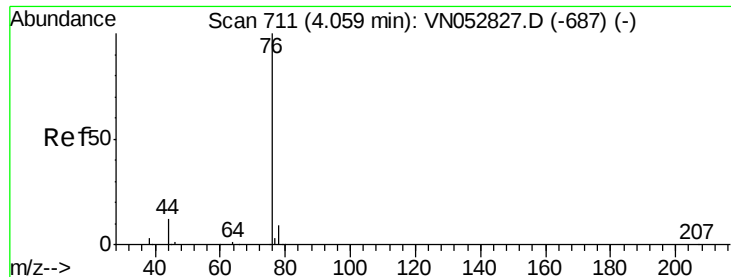
58 33.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-604) (-)





#17

Carbon Disulfide

Concen: 46.750 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

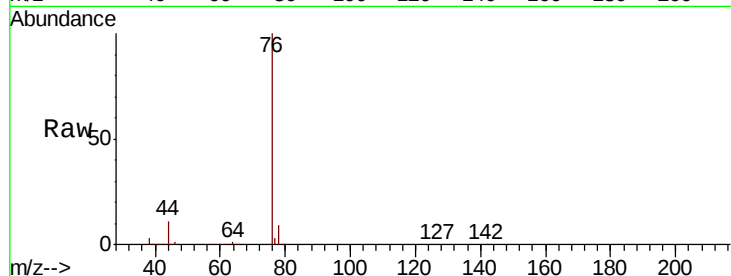
VSTDCCC050EC

Tot Ion: 76 Resp: 1431086

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052827.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052827.D (-687) (-)

4.06

600000

500000

400000

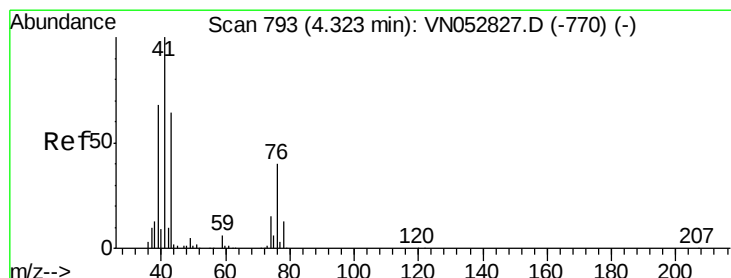
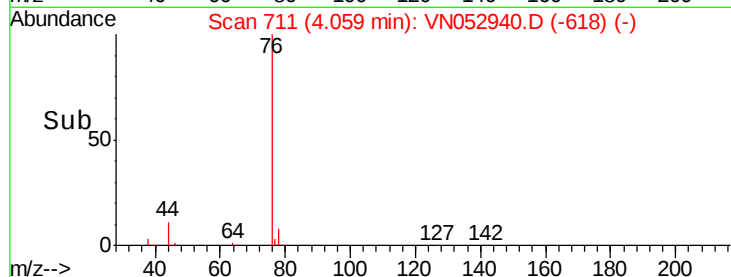
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 54.547 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN052940.D

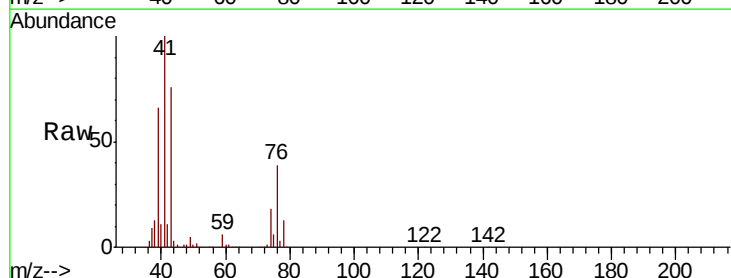
Acq: 17 Dec 2018 20:58

Tgt Ion: 43 Resp: 518138

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN052827.D (-770) (-)

4.32

200000

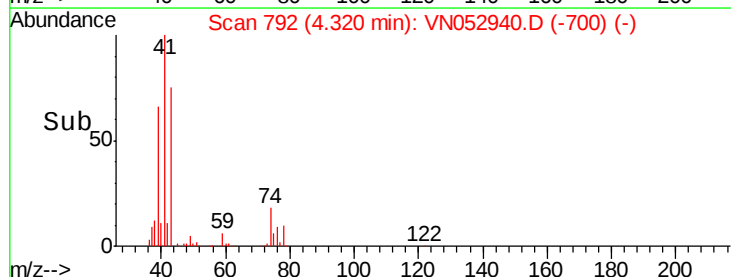
150000

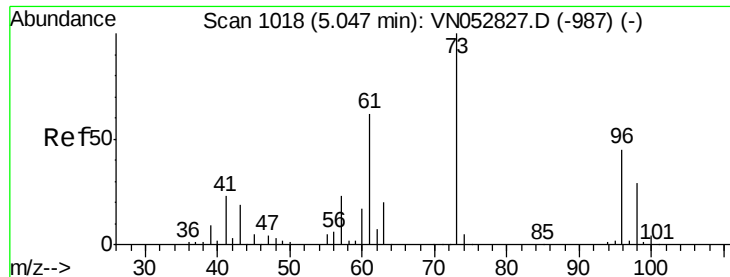
100000

50000

0

Time--> 4.20 4.30 4.40

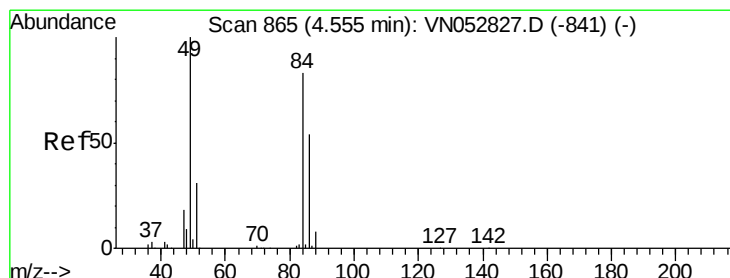
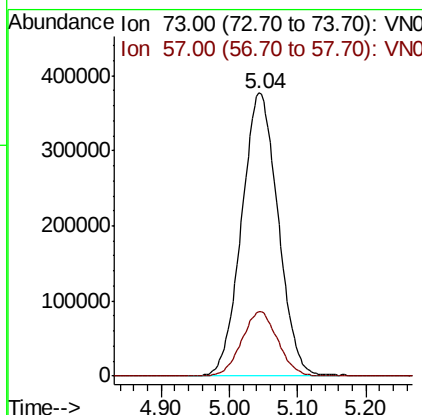
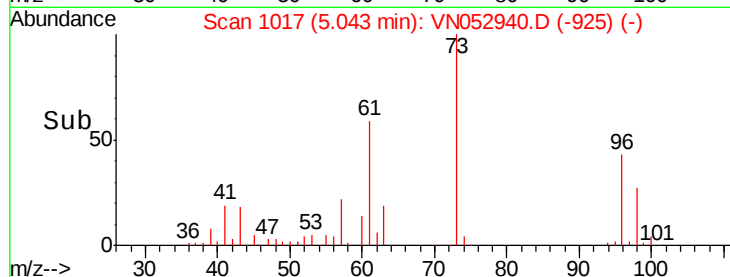
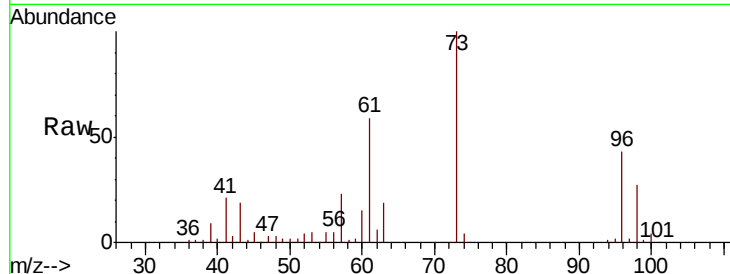




#19
Methyl tert-butyl Ether
Concen: 51.721 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

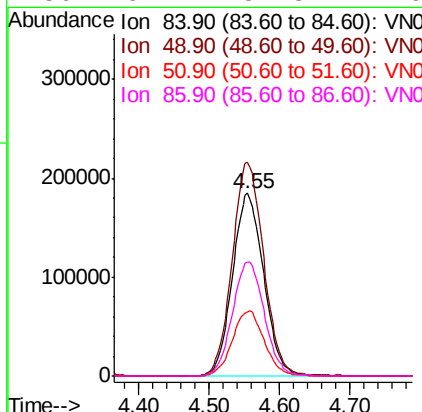
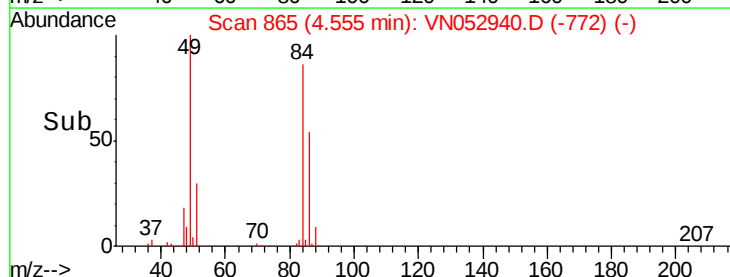
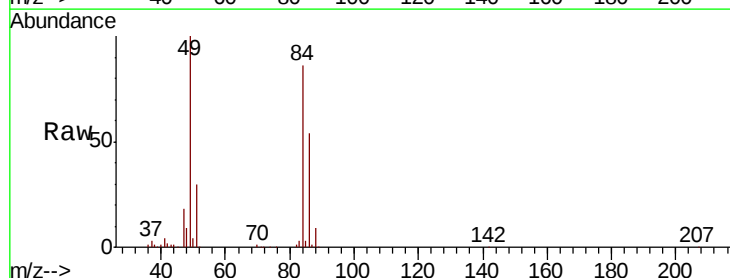
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

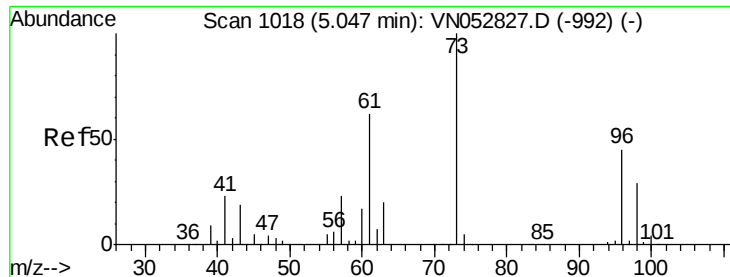
Tot Ion: 73 Resp: 1399157
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 49.078 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 84 Resp: 571649
Ion Ratio Lower Upper
84 100
49 116.9 96.8 145.2
51 35.3 29.9 44.9
86 62.7 51.8 77.6

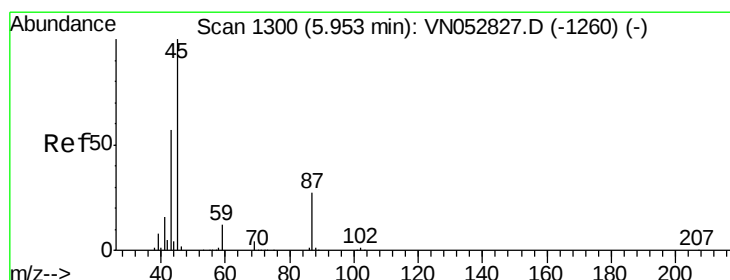
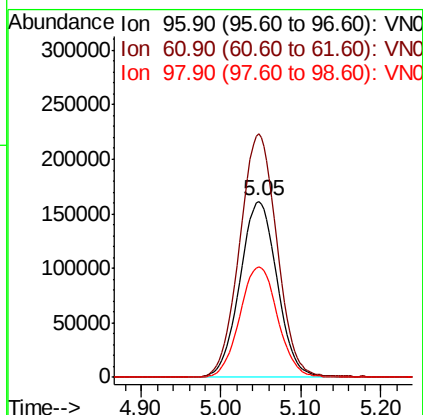
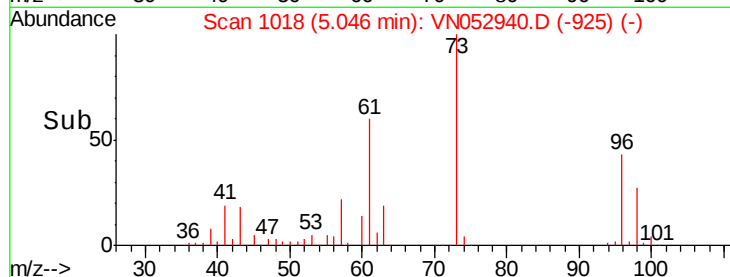
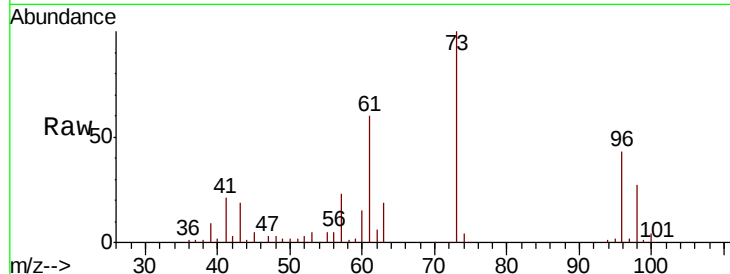




#21
trans-1,2-Dichloroethene
Concen: 47.347 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

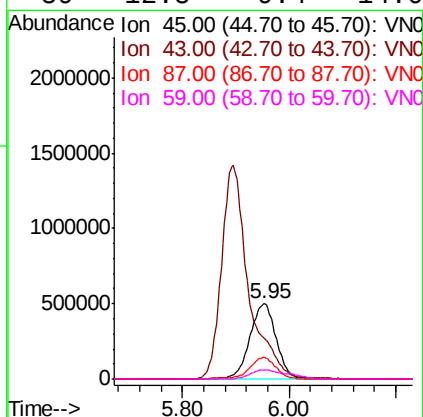
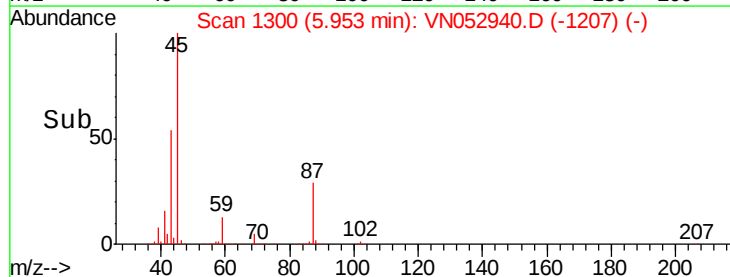
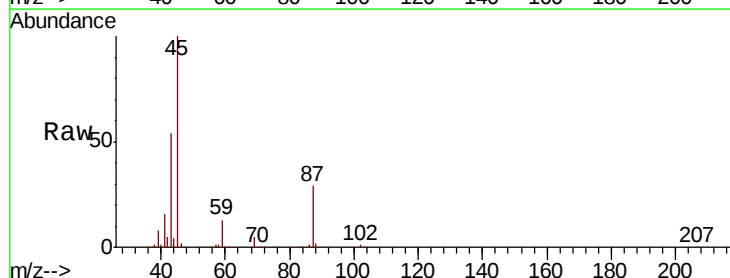
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

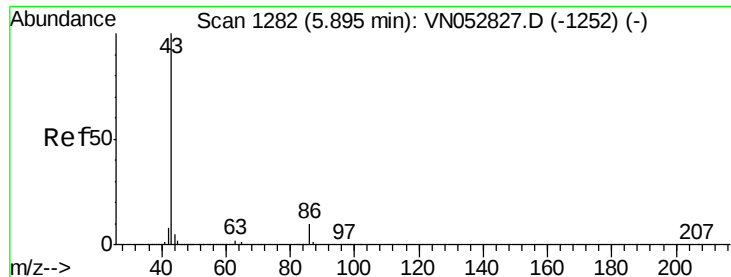
Tot Ion: 96 Resp: 511143
Ion Ratio Lower Upper
96 100
61 138.4 110.8 166.2
98 63.1 51.4 77.2



#22
Diisopropyl ether
Concen: 48.861 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 45 Resp: 1696581
Ion Ratio Lower Upper
45 100
43 54.0 45.5 68.3
87 28.6 22.0 33.0
59 12.5 9.4 14.0

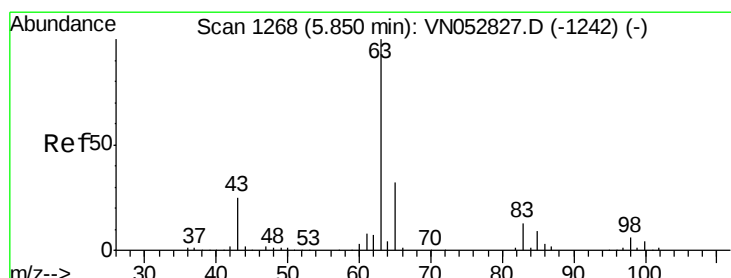
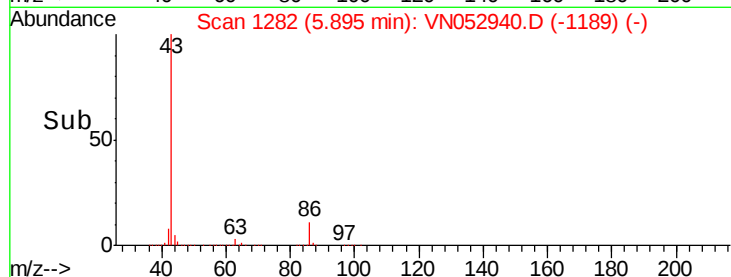
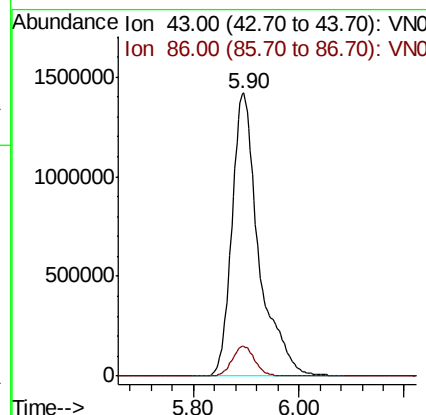
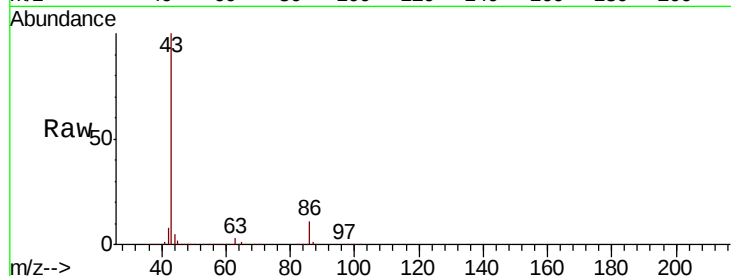




#23
 Vinyl Acetate
 Concen: 242.352 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

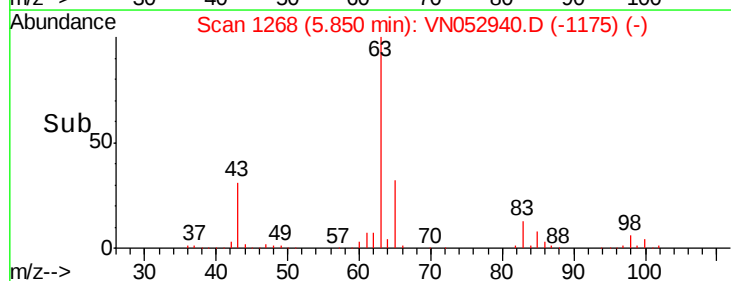
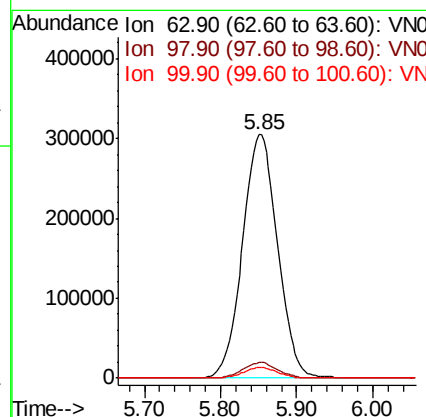
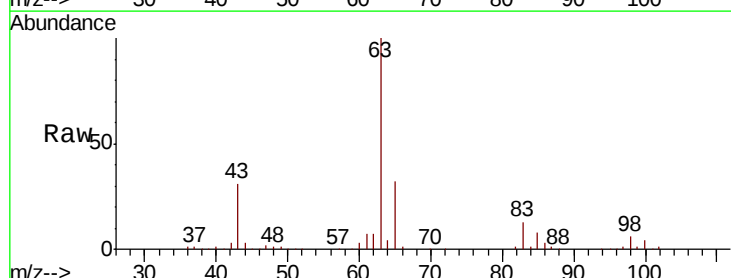
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

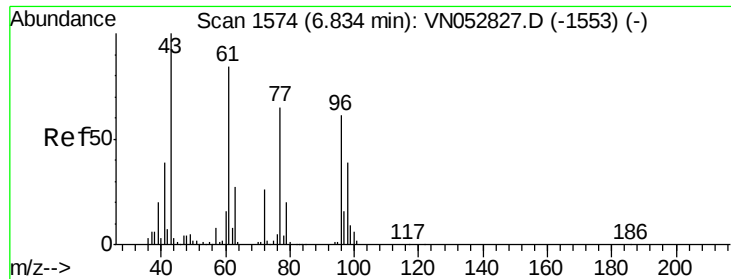
Tot Ion: 43 Resp: 5007268
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 48.805 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion: 63 Resp: 977243
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.1 9.4
 100 4.3 2.0 5.8

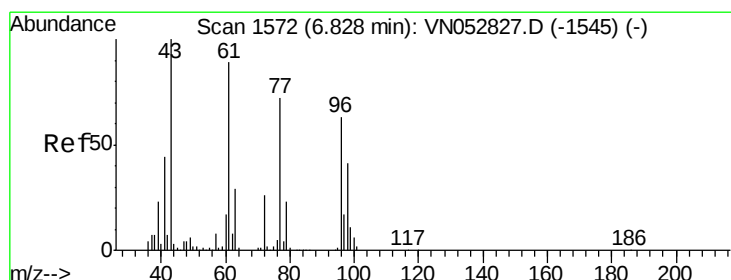
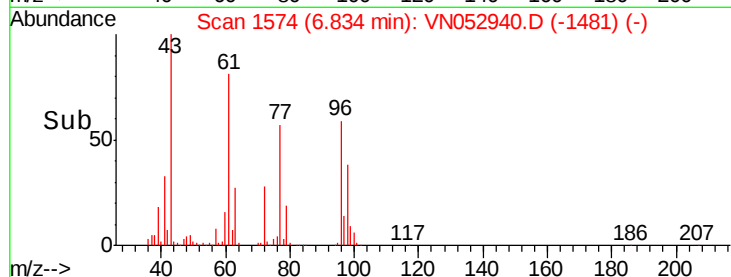
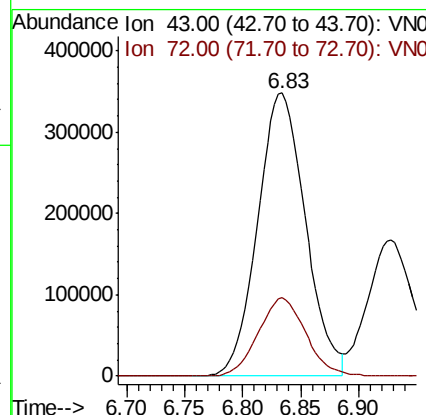
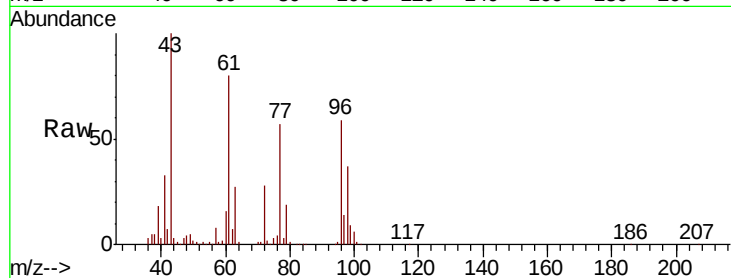




#25
2-Butanone
Concen: 247.336 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

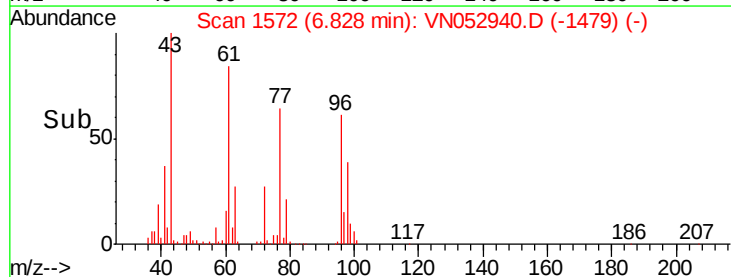
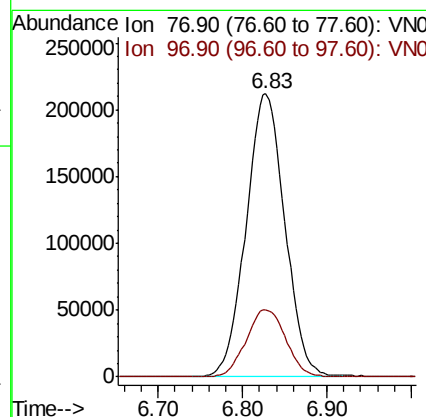
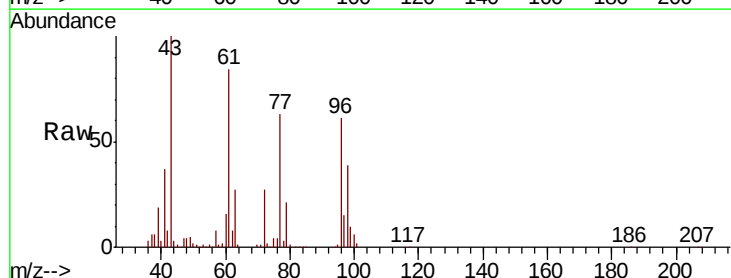
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

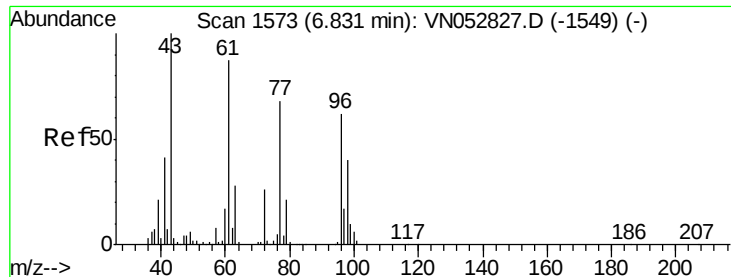
Tot Ion: 43 Resp: 993319
Ion Ratio Lower Upper
43 100
72 27.8 21.0 31.6



#26
2,2-Dichloropropane
Concen: 45.874 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 77 Resp: 676431
Ion Ratio Lower Upper
77 100
97 24.4 11.9 35.9

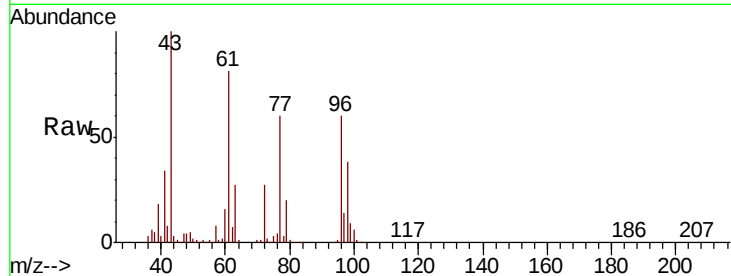




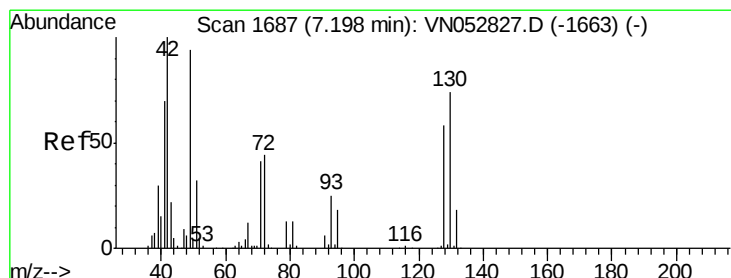
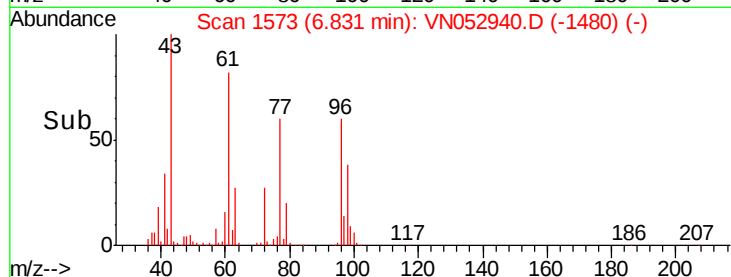
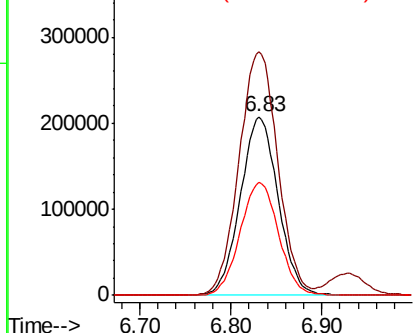
#27
 cis-1,2-Dichloroethene
 Concen: 48.831 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	284.2
98	64.5	0.0	129.2

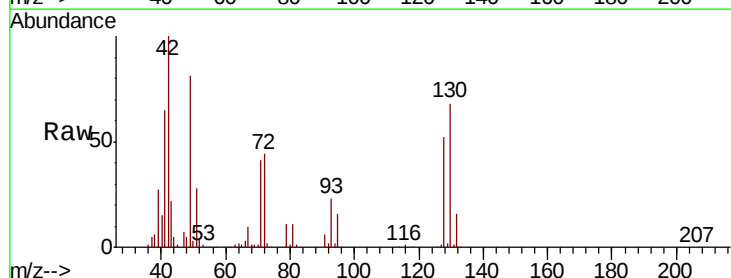


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

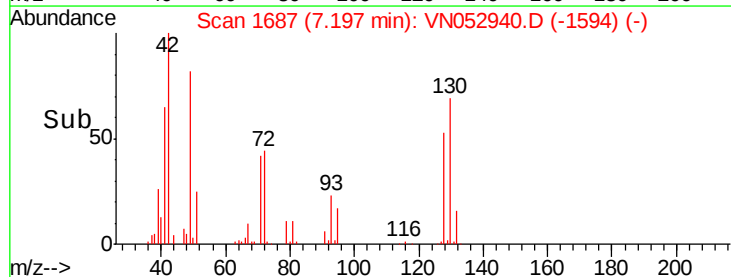
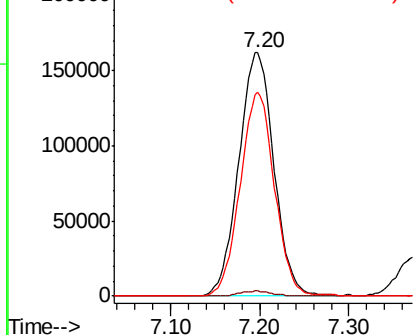


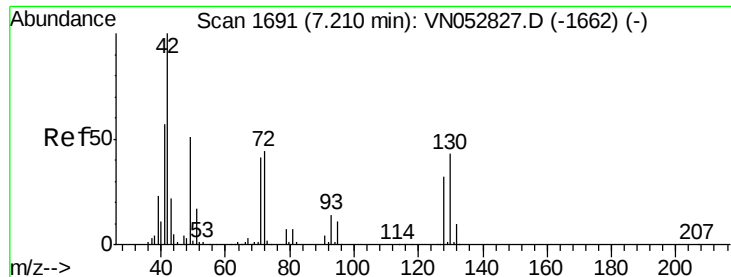
#28
 Bromochloromethane
 Concen: 49.297 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	82.0	63.3	94.9



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

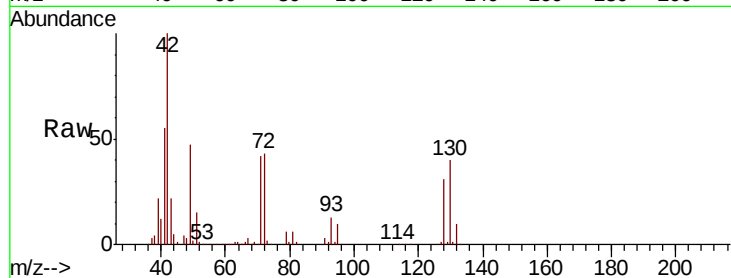




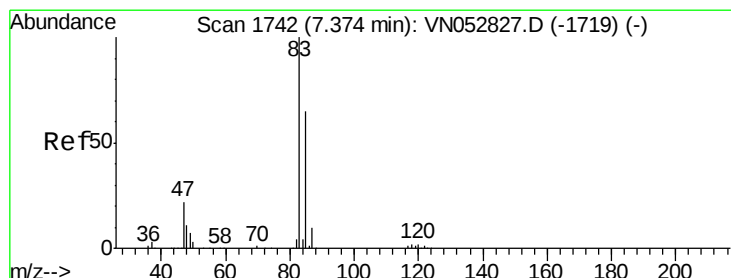
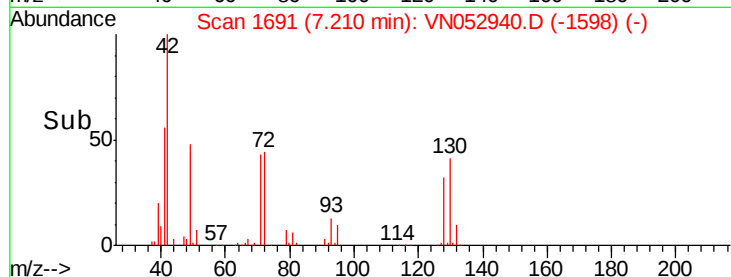
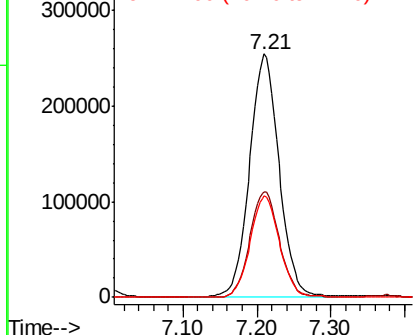
#29
Tetrahydrofuran
Concen: 258.047 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 707491
Ion Ratio Lower Upper
42 100
72 43.8 34.7 52.1
71 41.3 32.3 48.5

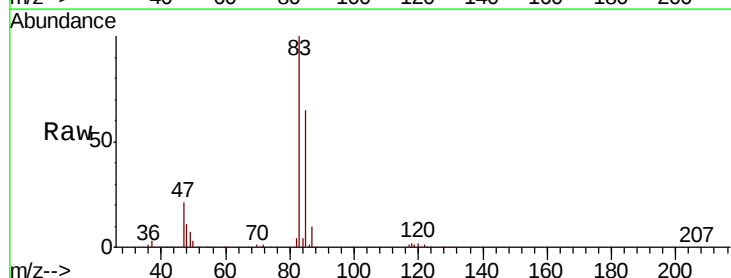


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

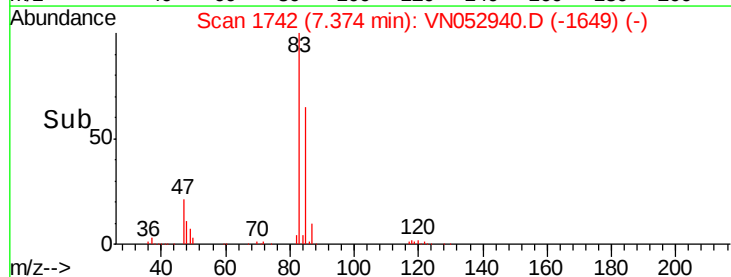
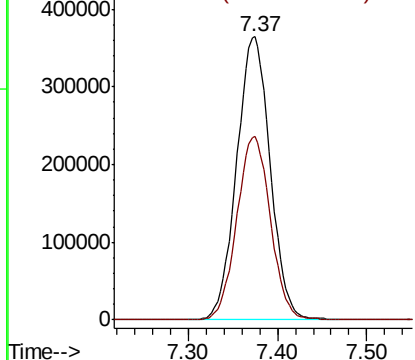


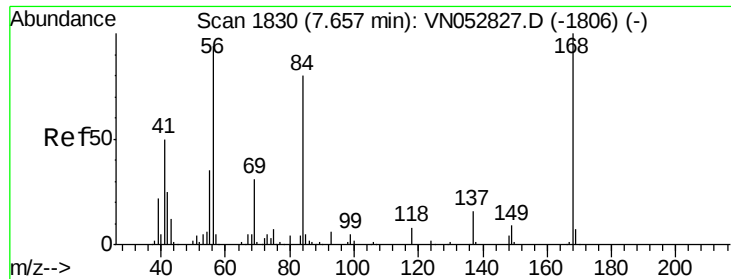
#30
Chloroform
Concen: 48.801 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 83 Resp: 952896
Ion Ratio Lower Upper
83 100
85 64.7 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

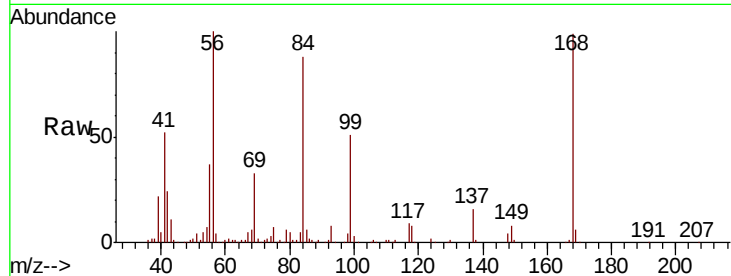




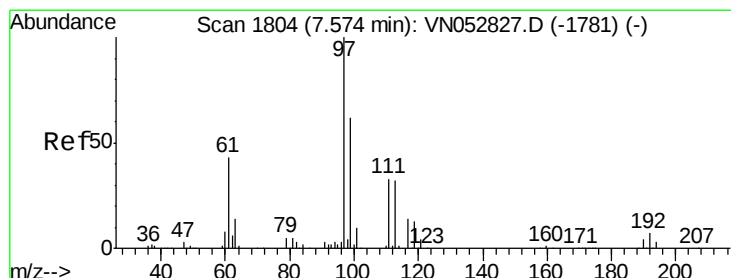
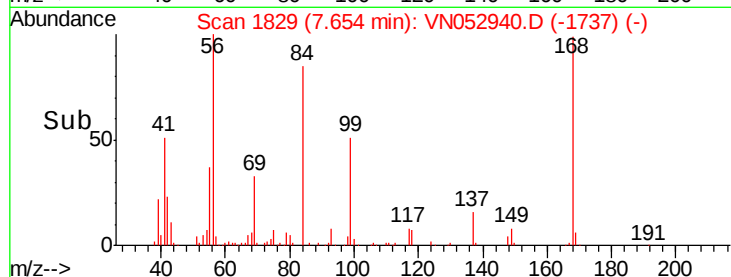
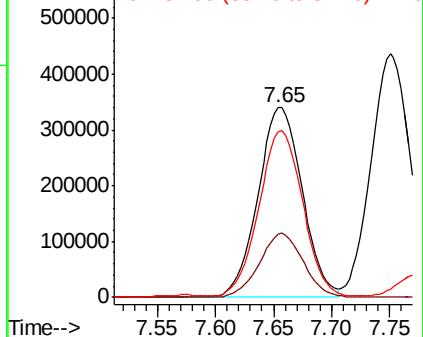
#31
Cyclohexane
Concen: 46.274 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 904520
Ion Ratio Lower Upper
56 100
69 33.2 26.6 39.8
84 86.4 68.4 102.6

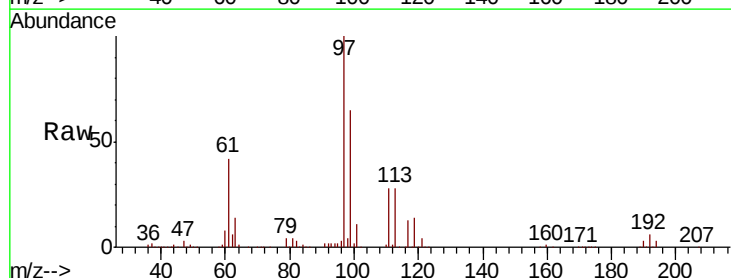


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

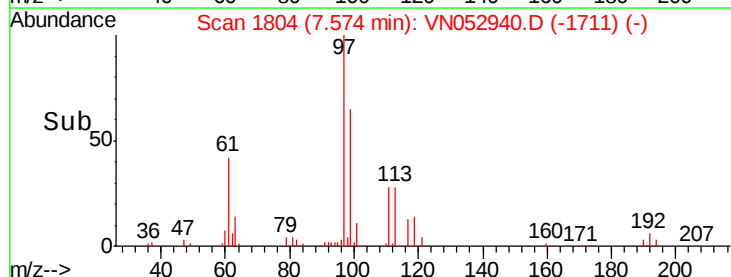
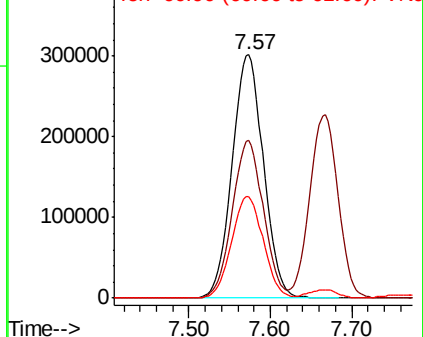


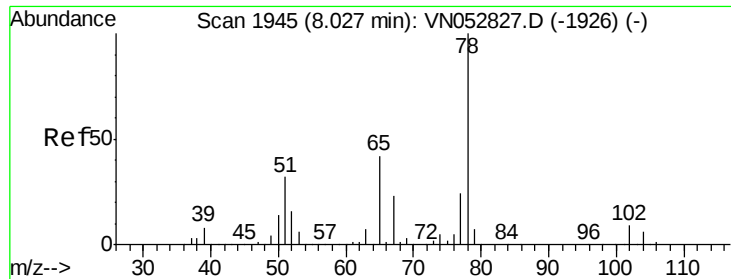
#32
1,1,1-Trichloroethane
Concen: 49.474 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 97 Resp: 808256
Ion Ratio Lower Upper
97 100
99 64.3 51.1 76.7
61 42.2 35.0 52.6



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

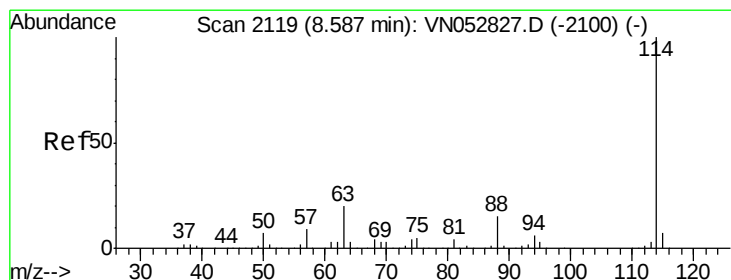
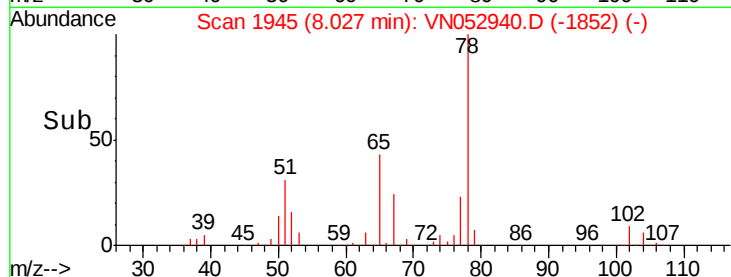
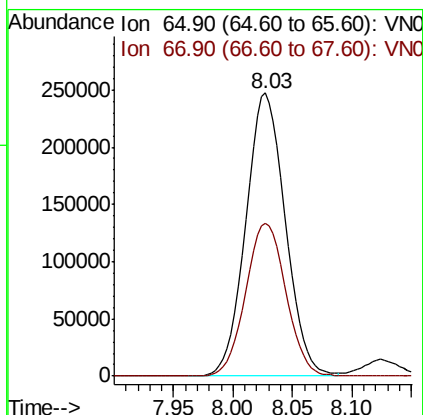
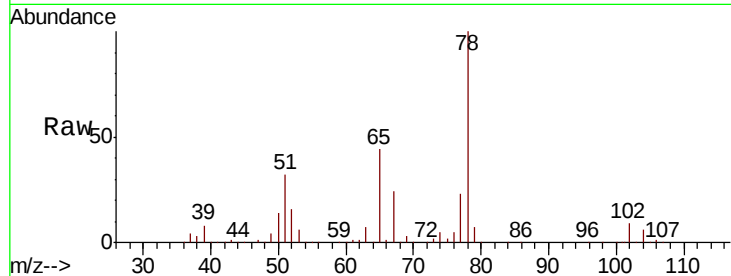




#33
 1,2-Dichloroethane-d4
 Concen: 49.474 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

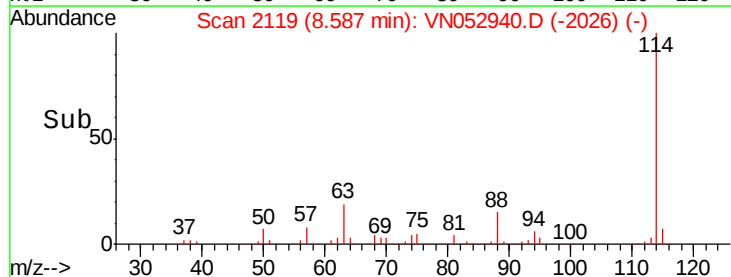
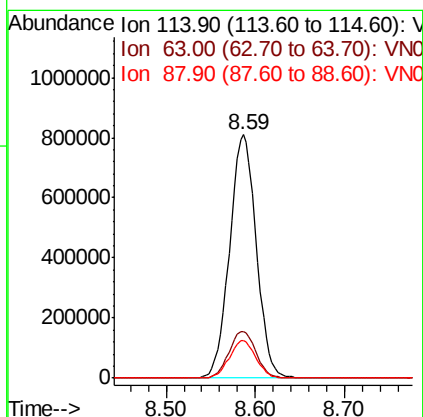
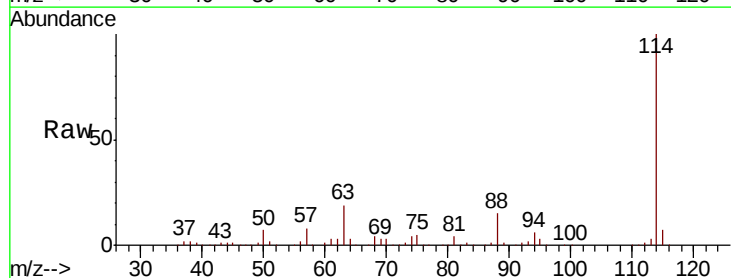
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

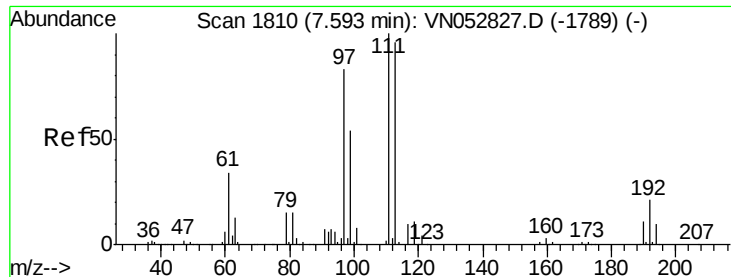
Tot Ion: 65 Resp: 569198
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion: 114 Resp: 1672035
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.8
 88 15.4 0.0 31.0

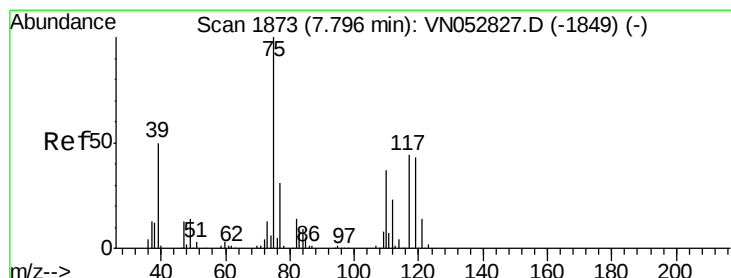
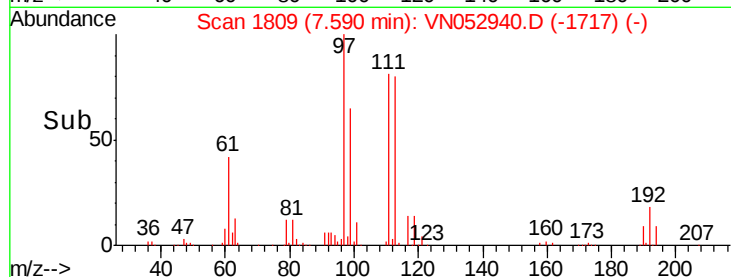
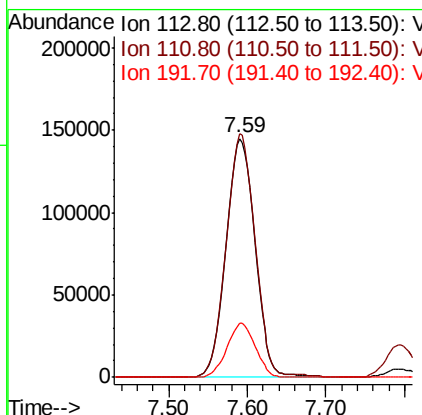
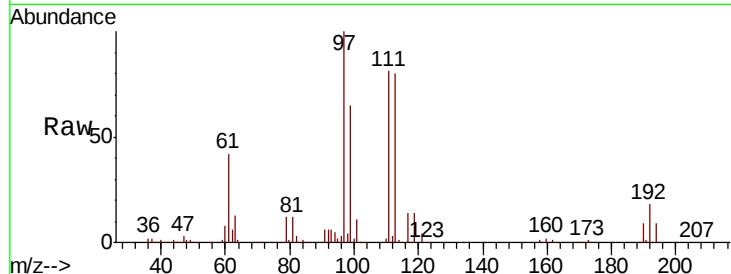




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

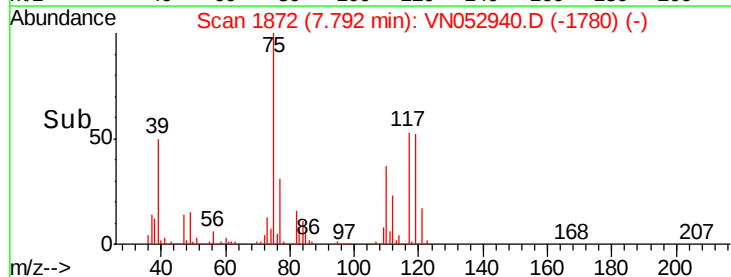
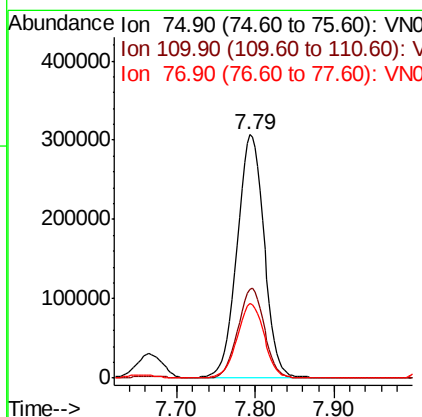
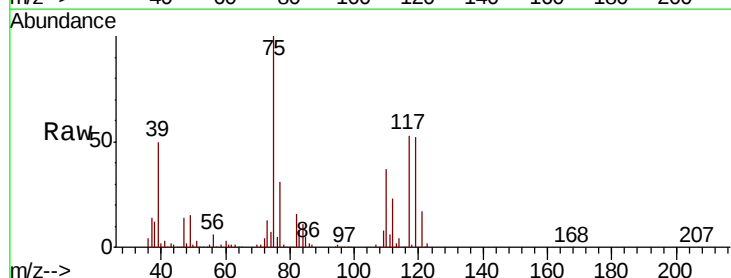
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

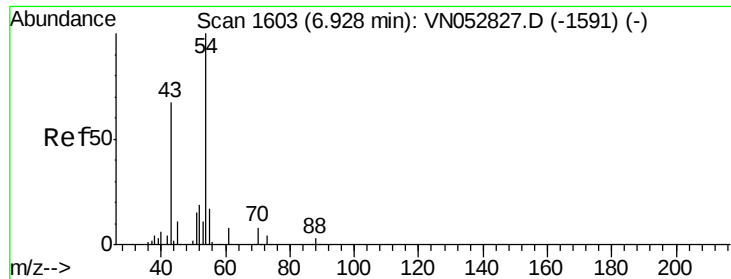
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.0	124.4
192	22.1	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 47.868 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.2	54.6
77	30.8	24.9	37.3

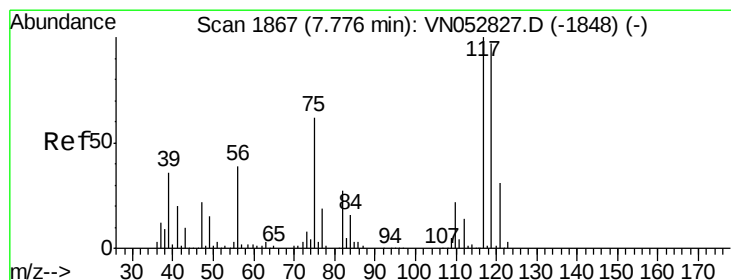
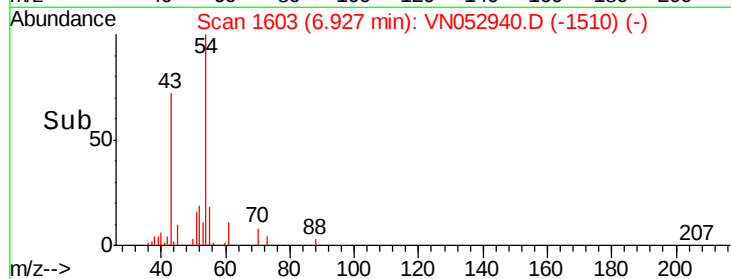
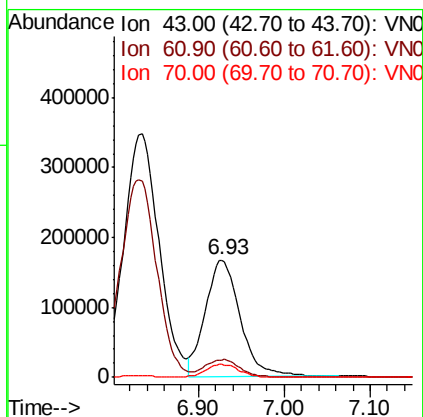
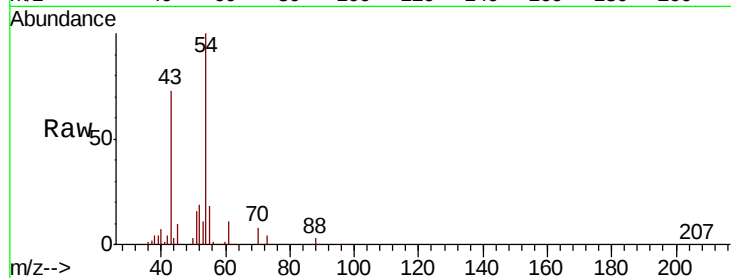




#37
Ethyl Acetate
Concen: 50.736 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

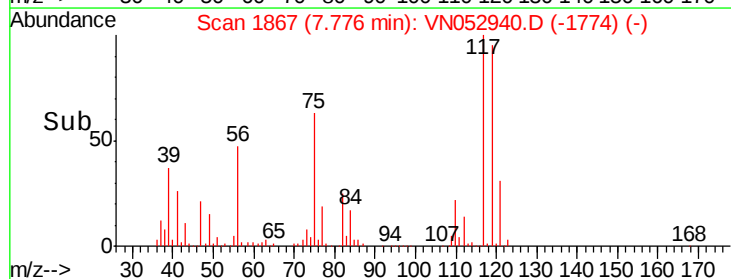
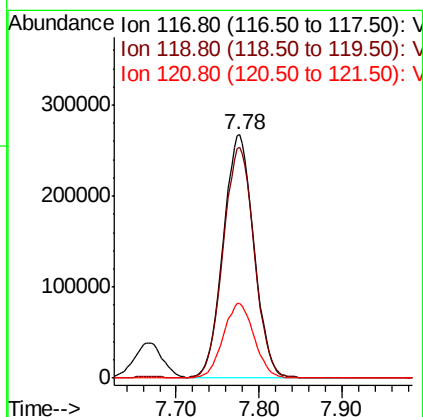
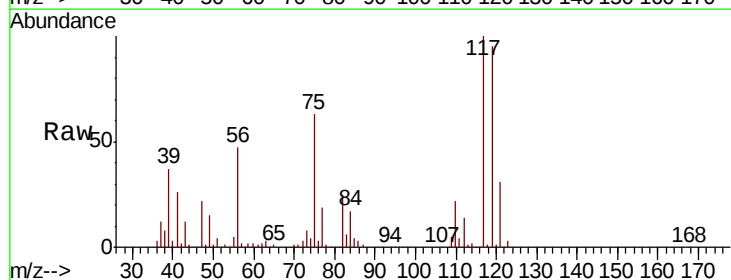
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

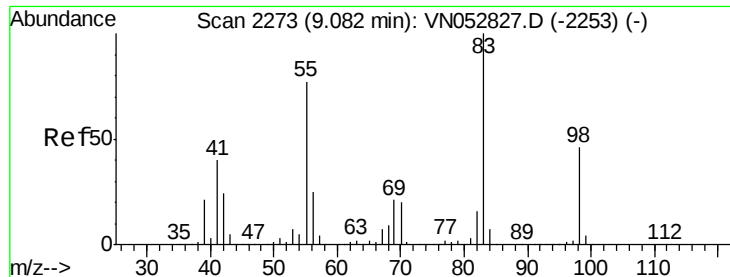
Tot Ion: 43 Resp: 469294
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 11.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.239 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 117 Resp: 683669
Ion Ratio Lower Upper
117 100
119 94.9 77.1 115.7
121 30.9 24.9 37.3

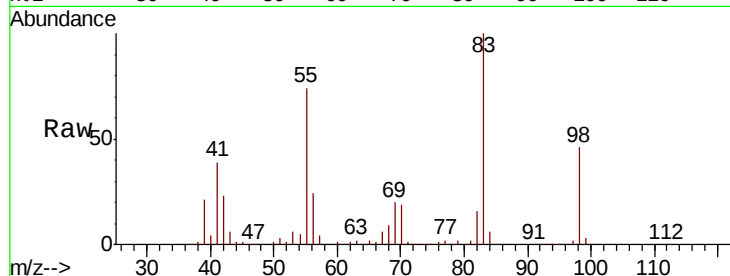




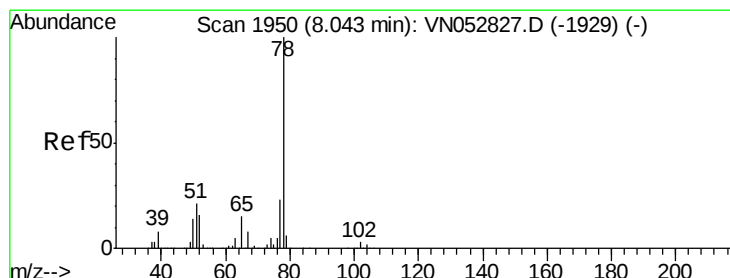
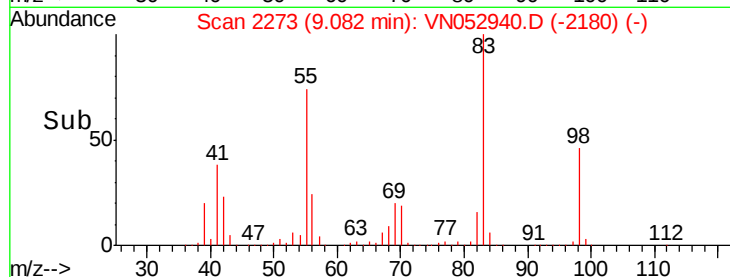
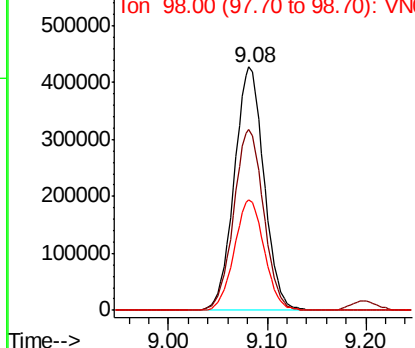
#39
Methvlcvclohexane
Concen: 47.253 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 892853
Ion Ratio Lower Upper
83 100
55 74.1 61.3 91.9
98 45.6 37.0 55.4

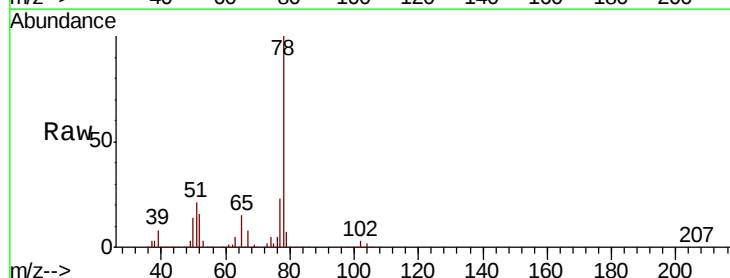


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

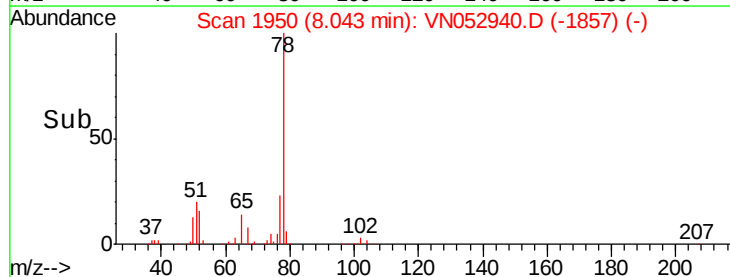
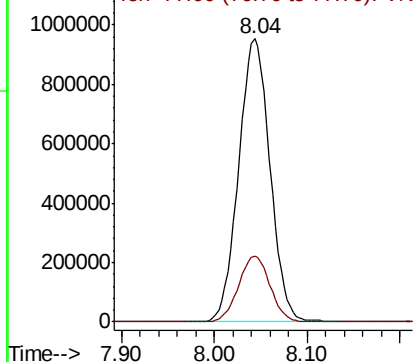


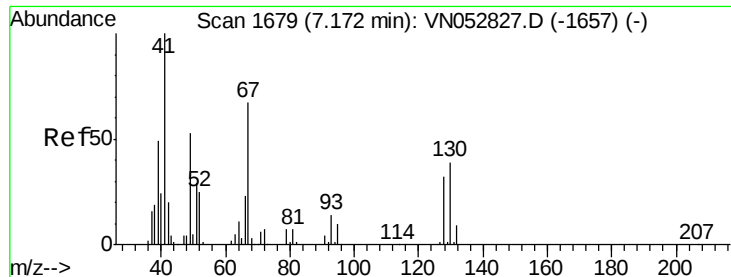
#40
Benzene
Concen: 48.399 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 78 Resp: 2236636
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

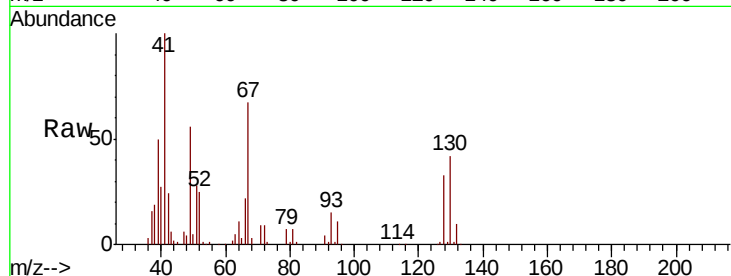




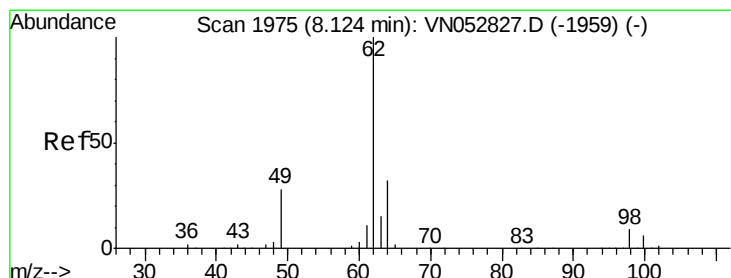
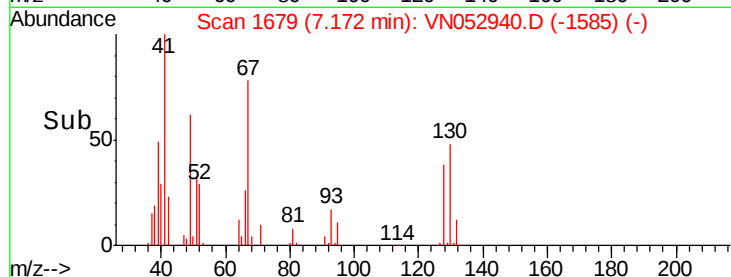
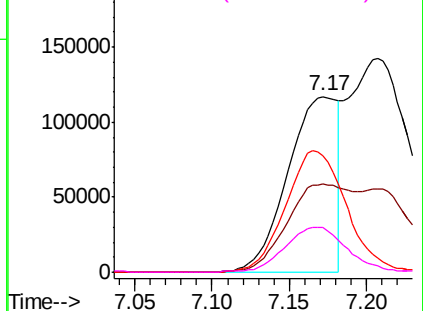
#41
Methacrylonitrile
Concen: 50.668 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	259677
Ion	Ratio	Lower	Upper
41	100		
39	66.7	48.0	72.0
67	85.9	70.3	105.5
52	31.6	26.9	40.3

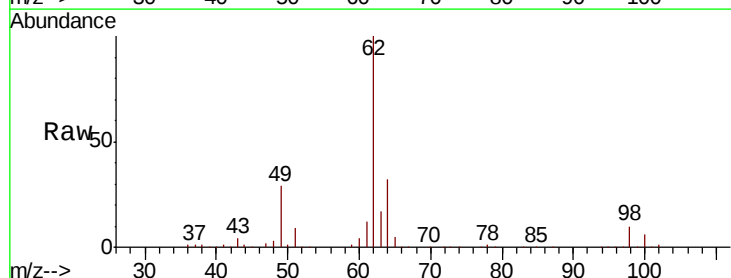


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

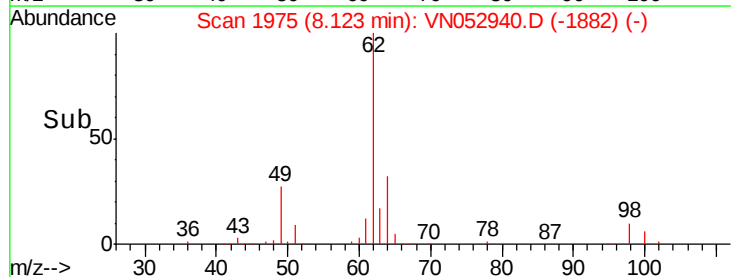
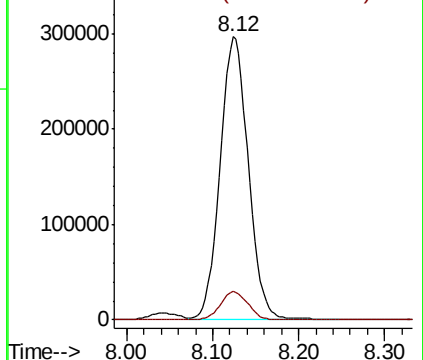


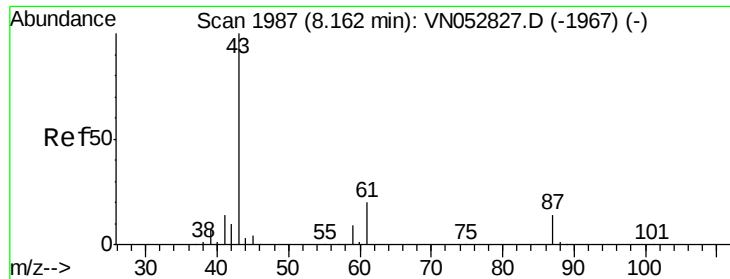
#42
1,2-Dichloroethane
Concen: 48.379 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion:	62	Resp:	673080
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.580 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

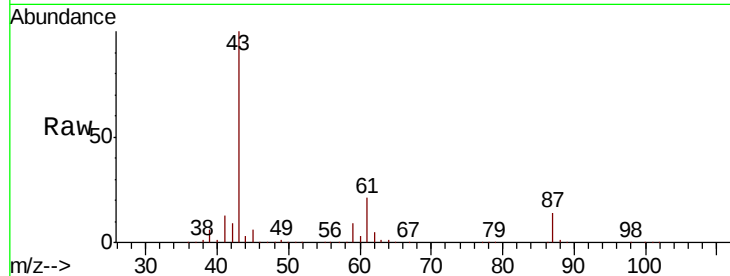
Tot Ion: 43 Resp: 921302

Ion Ratio Lower Upper

43 100

61 27.7 22.9 34.3

87 13.1 10.6 15.8



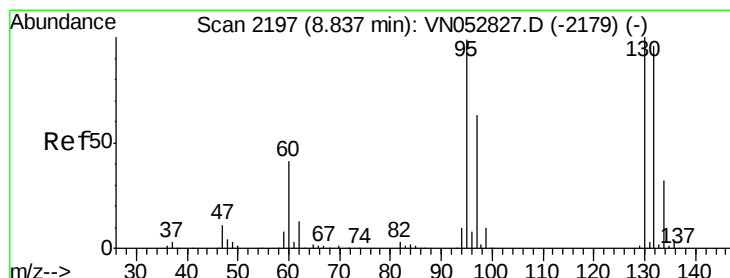
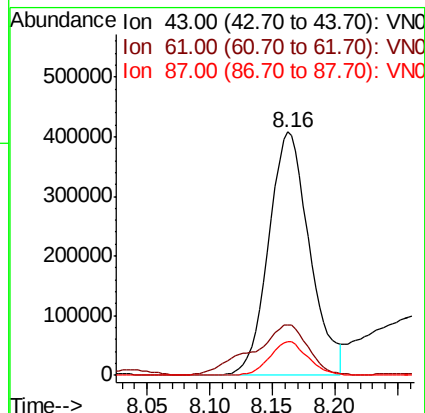
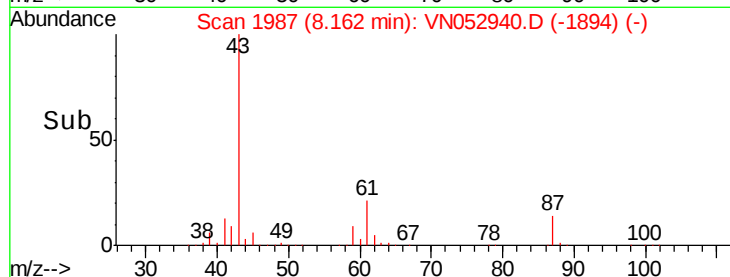
Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)

8.16

Time-->



#44

Trichloroethene

Concen: 50.763 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052940.D

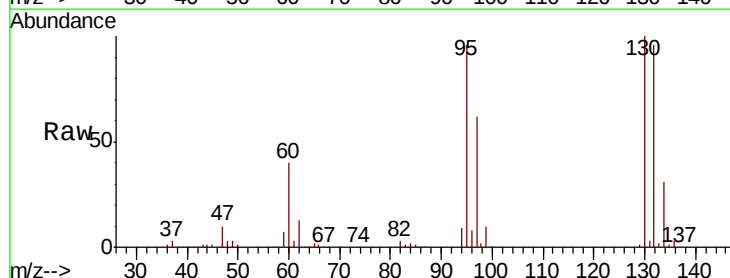
Acq: 17 Dec 2018 20:58

Tgt Ion:130 Resp: 633644

Ion Ratio Lower Upper

130 100

95 95.6 0.0 197.8

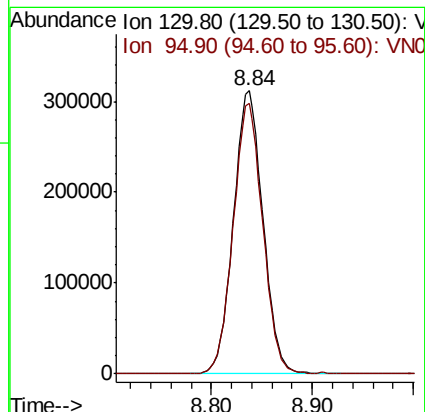
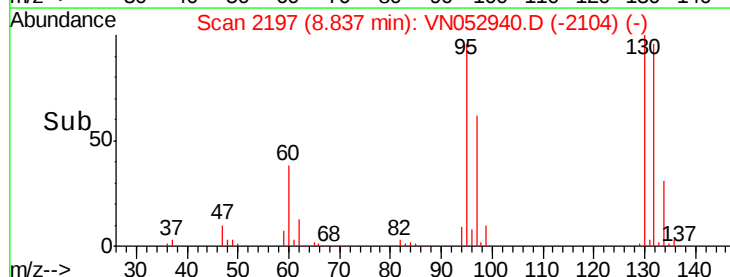


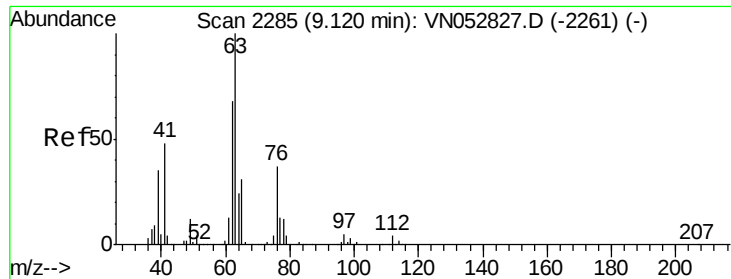
Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)

8.84

Time-->





#45

1,2-Dichloropropane

Concen: 49.386 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

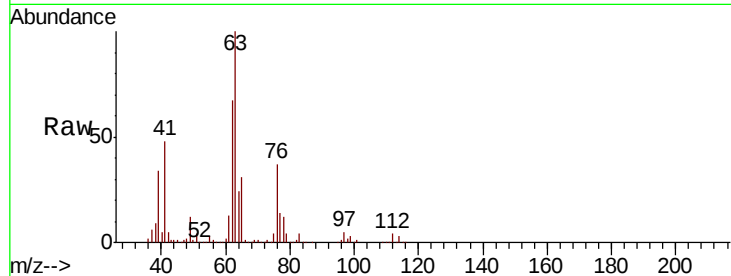
VSTDCCC050EC

Tot Ion: 63 Resp: 597780

Ion Ratio Lower Upper

63 100

65 30.9 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

300000

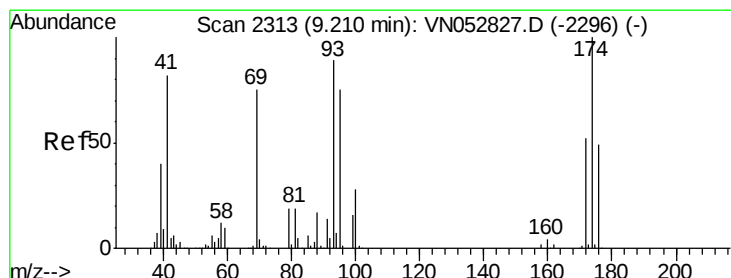
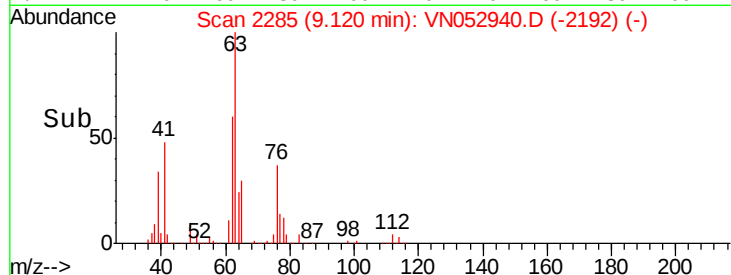
200000

100000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 49.145 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

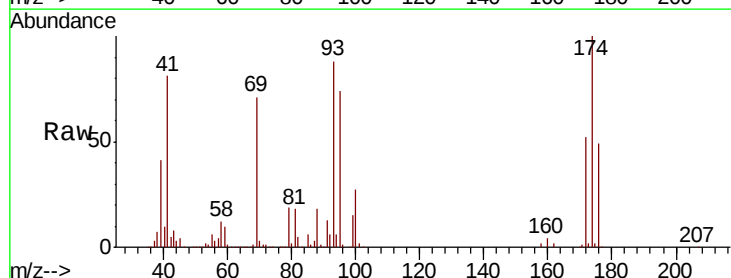
Tgt Ion: 93 Resp: 344991

Ion Ratio Lower Upper

93 100

95 83.8 67.8 101.6

174 113.3 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

250000

200000

150000

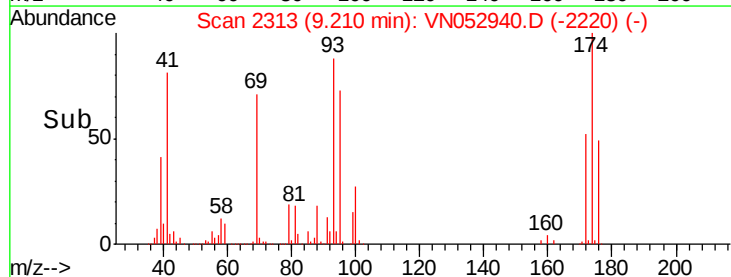
100000

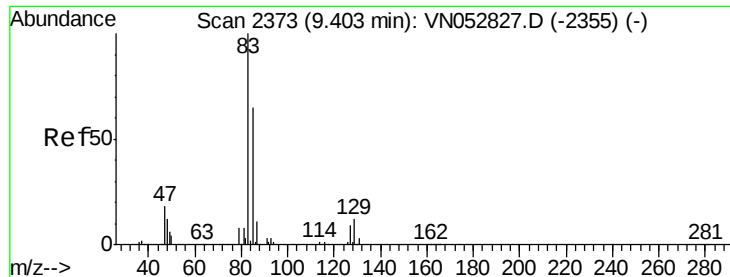
50000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 49.779 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

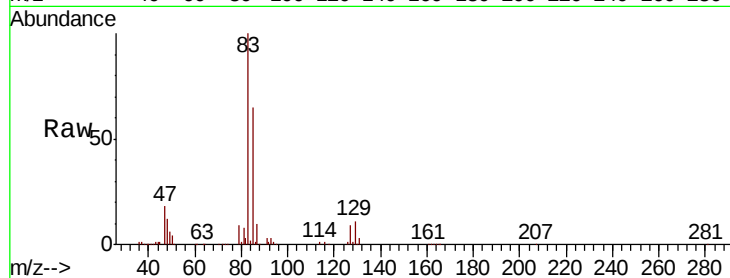
Tot Ion: 83 Resp: 724625

Ion Ratio Lower Upper

83 100

85 64.8 51.6 77.4

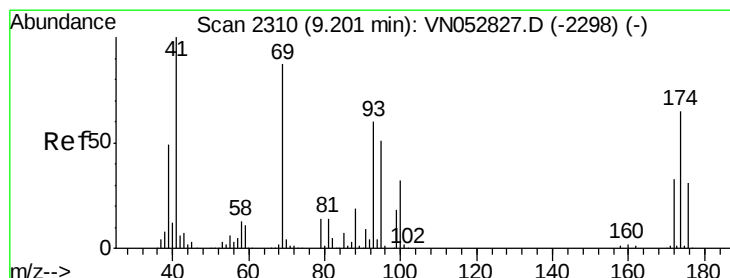
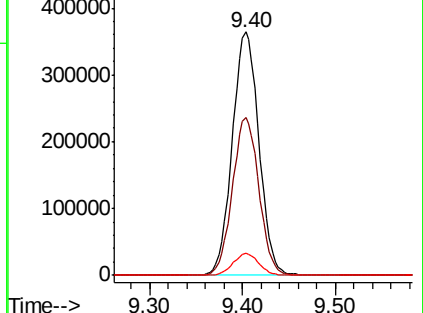
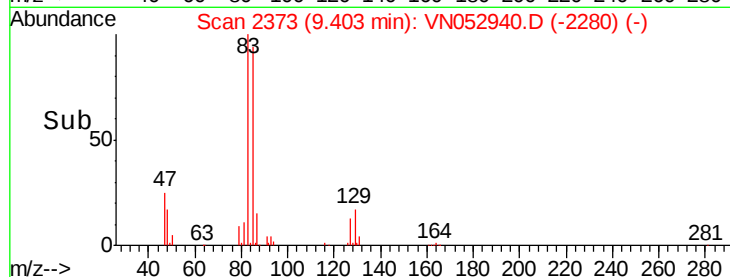
127 8.9 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052940.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052940.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052940.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.948 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

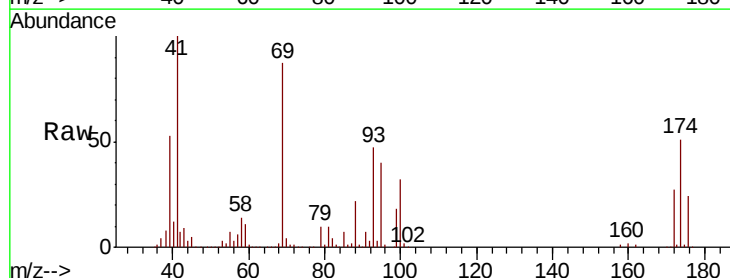
Tgt Ion: 41 Resp: 440356

Ion Ratio Lower Upper

41 100

69 90.4 72.2 108.2

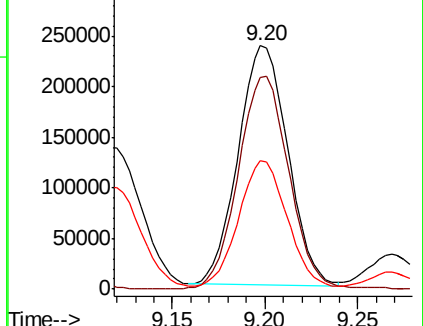
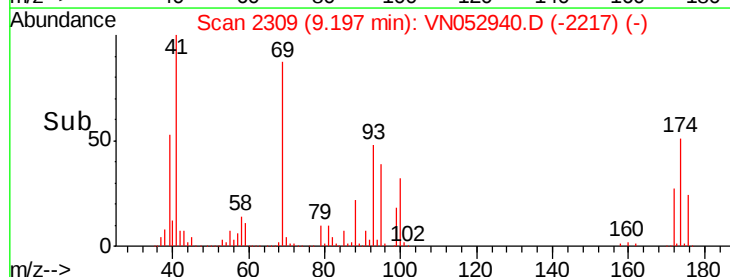
39 52.9 41.9 62.9

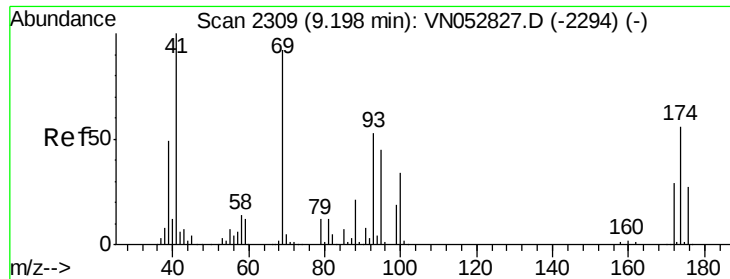


Abundance Ion 41.00 (40.70 to 41.70): VN052940.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052940.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052940.D (-2217) (-)

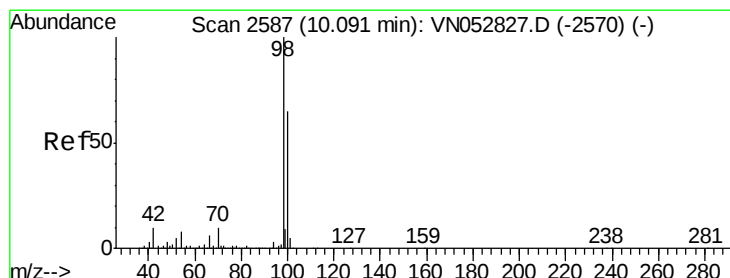
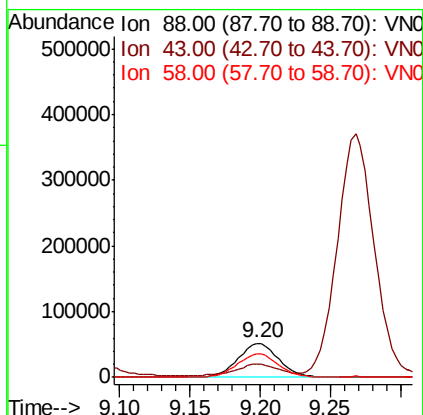
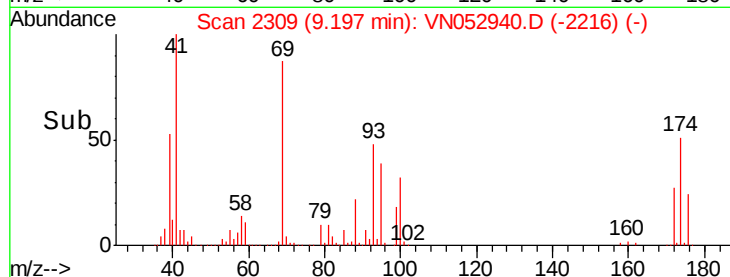
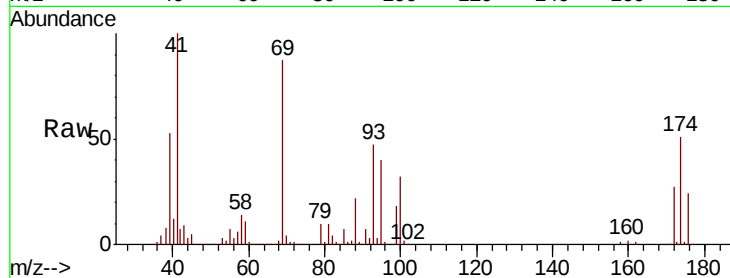




#49
1,4-Dioxane
Concen: 1112.279 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

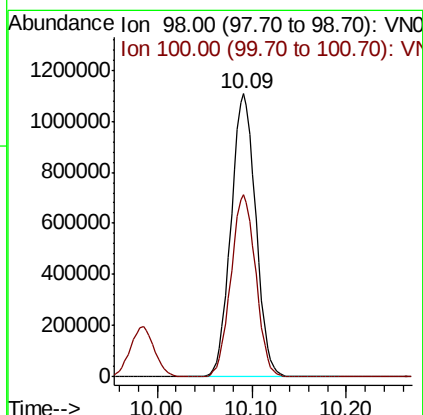
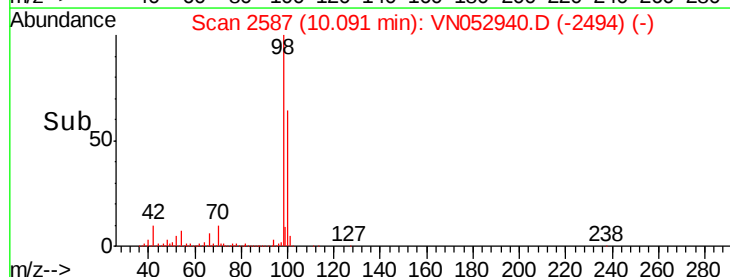
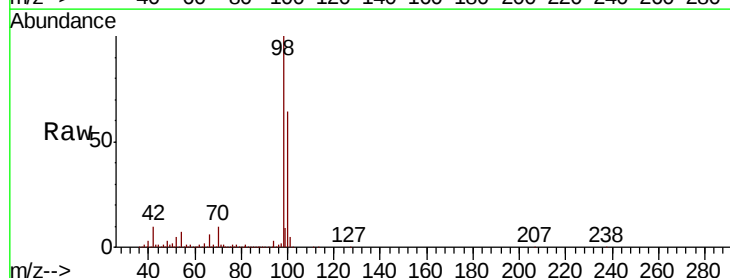
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

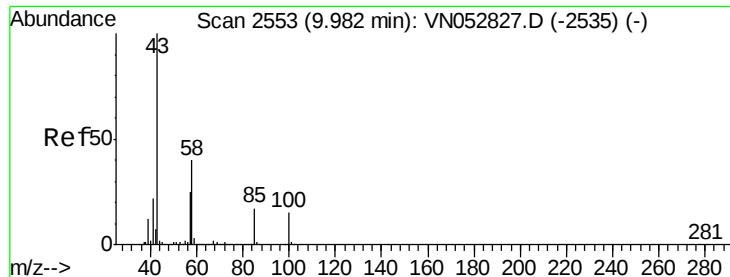
Tot Ion: 88 Resp: 105001
Ion Ratio Lower Upper
88 100
43 33.1 26.6 40.0
58 69.9 58.4 87.6



#50
Toluene-d8
Concen: 1112.279 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 98 Resp: 2012298
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

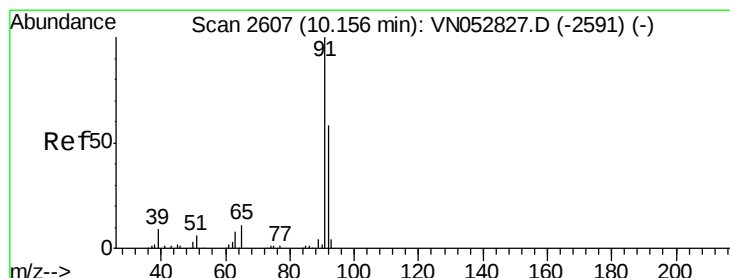
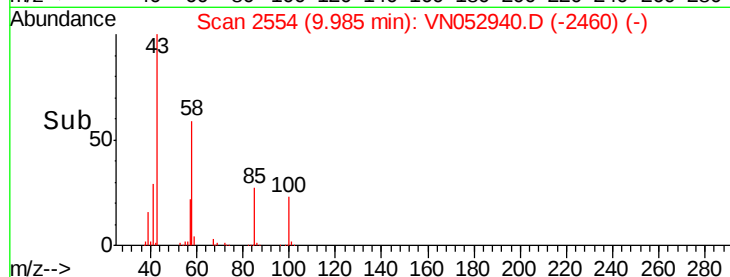
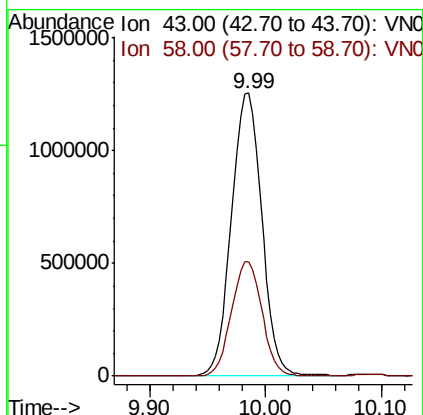
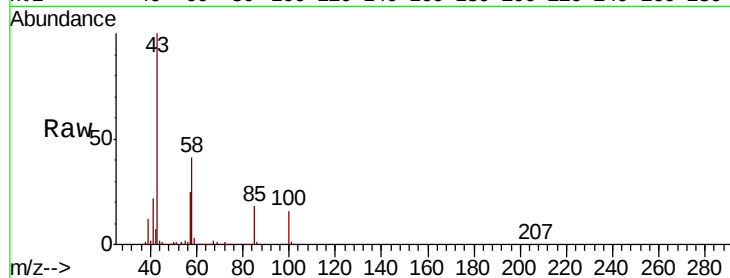




#51
4-Methyl-2-Pentanone
Concen: 261.201 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

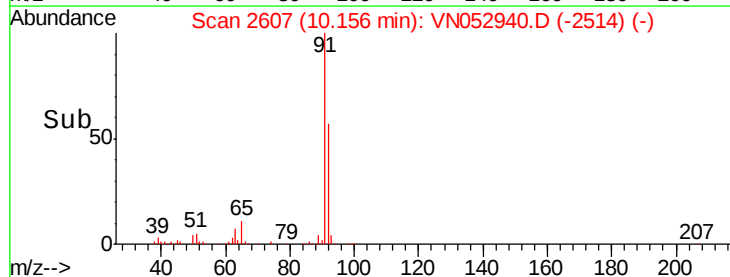
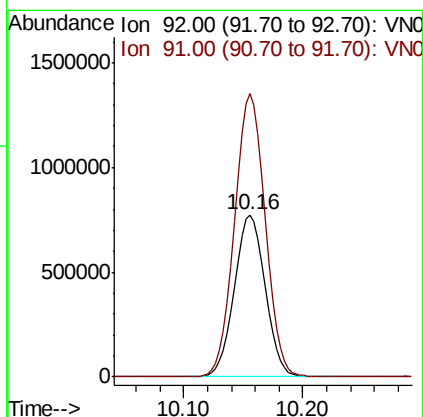
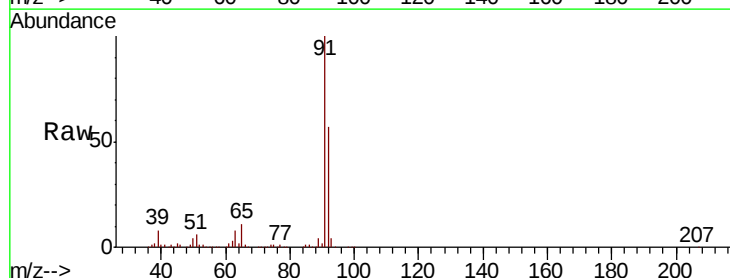
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

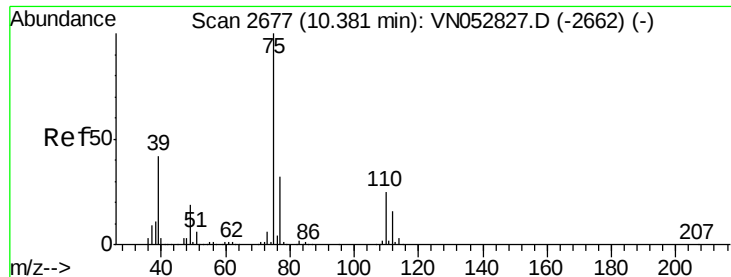
Tot Ion: 43 Resp: 2271395
Ion Ratio Lower Upper
43 100
58 40.7 32.2 48.4



#52
Toluene
Concen: 49.509 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 92 Resp: 1385724
Ion Ratio Lower Upper
92 100
91 174.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 52.981 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

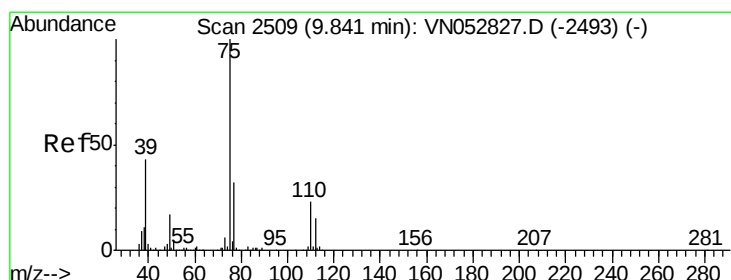
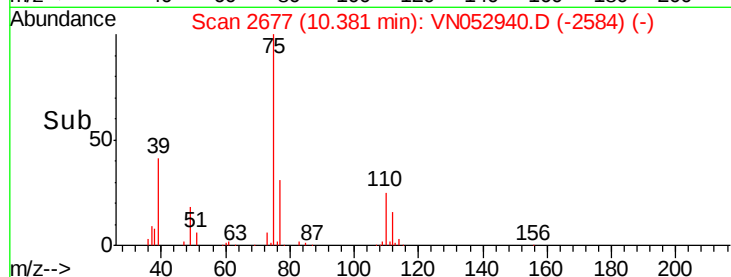
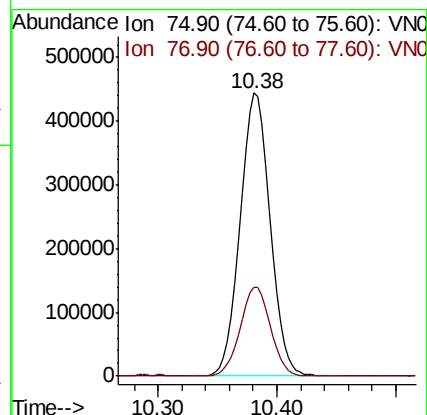
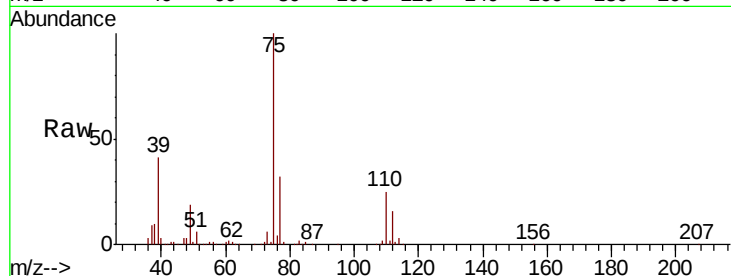
VSTDCCC050EC

Tot Ion: 75 Resp: 776084

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 50.961 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

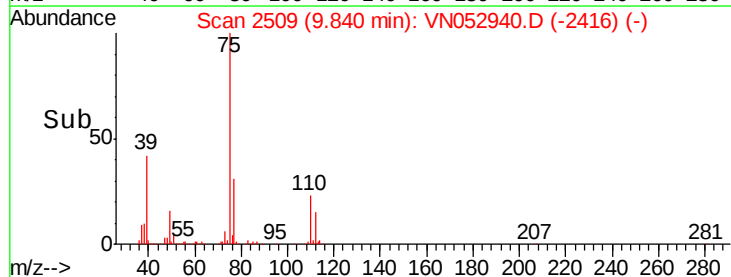
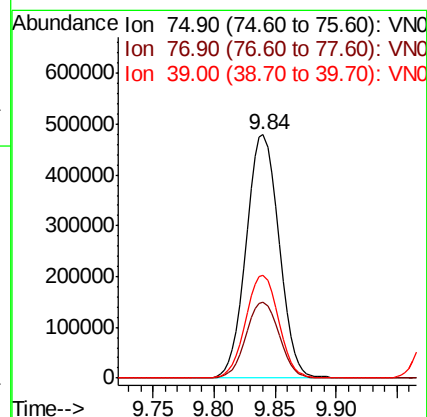
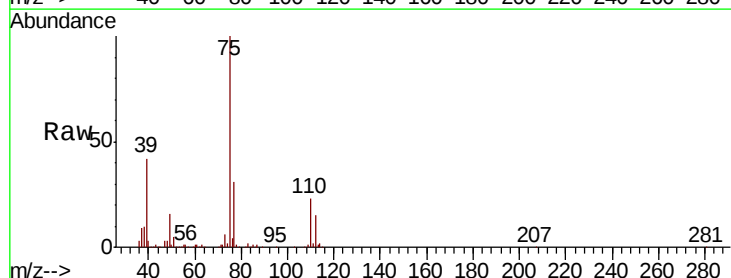
Tgt Ion: 75 Resp: 889551

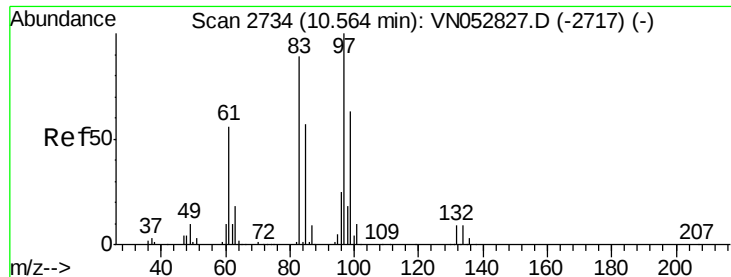
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8

39 42.1 34.8 52.2

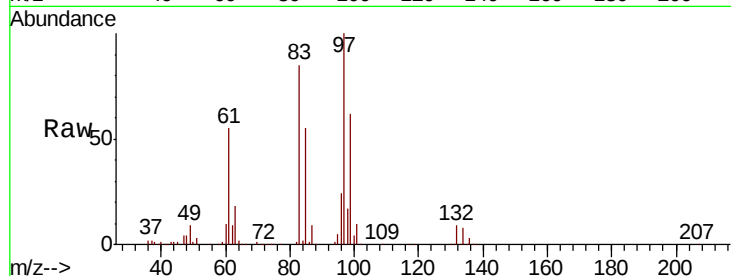




#55
 1,1,2-Trichloroethane
 Concen: 50.172 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	501282
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.9	106.3
85	55.2	45.4	68.2
99	62.0	50.4	75.6



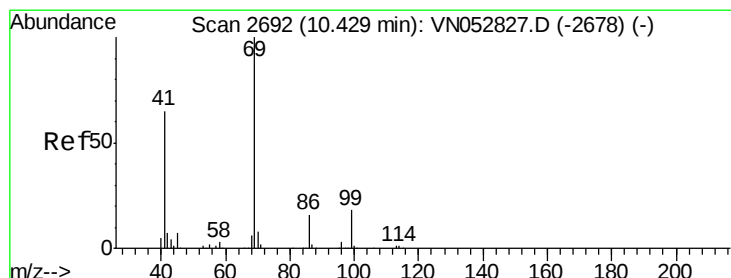
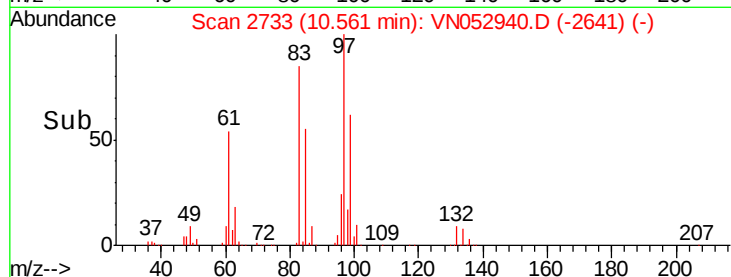
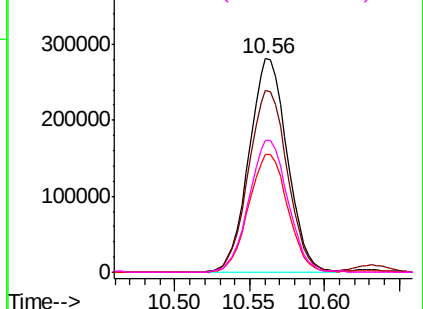
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

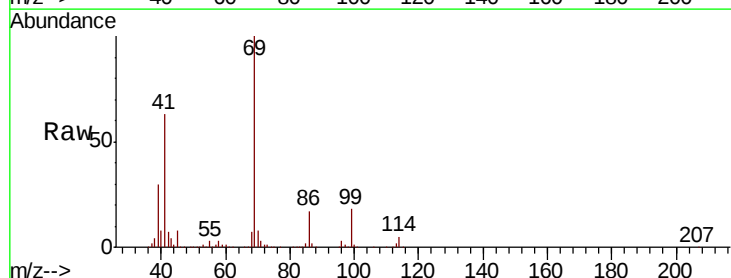
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 54.589 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion	69	Resp	699956
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	29.7	24.6	37.0

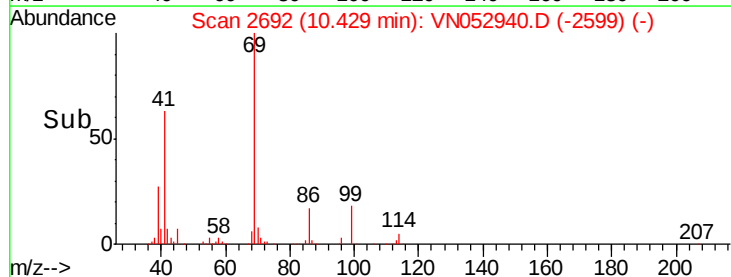
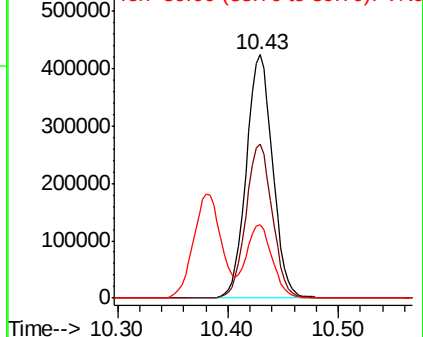


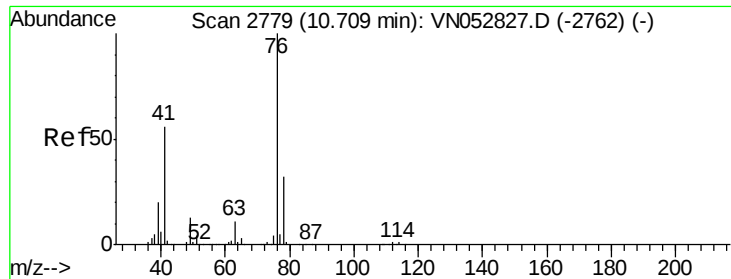
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

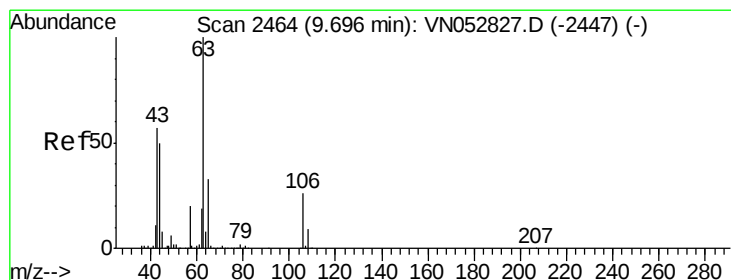
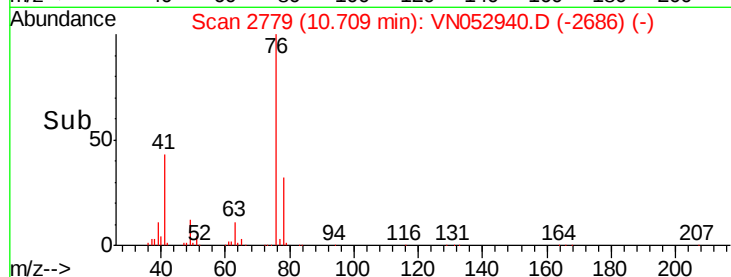
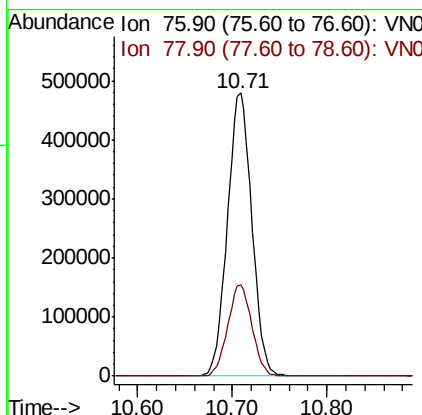
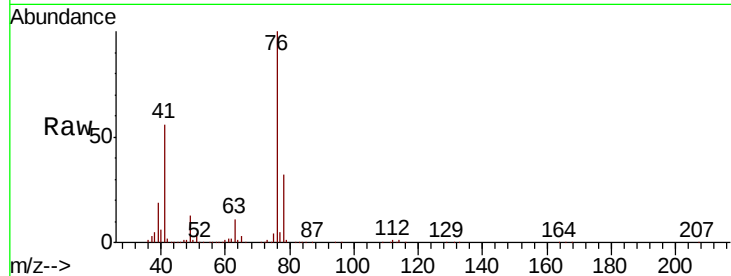




#57
 1,3-Dichloropropane
 Concen: 50.065 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

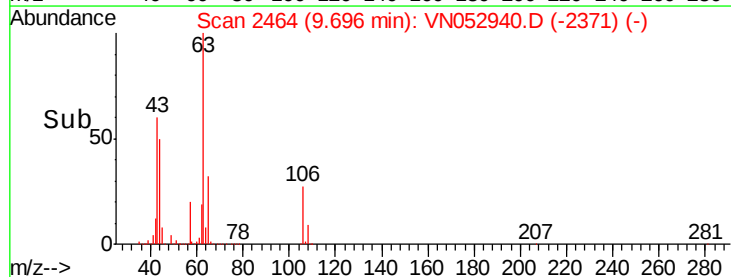
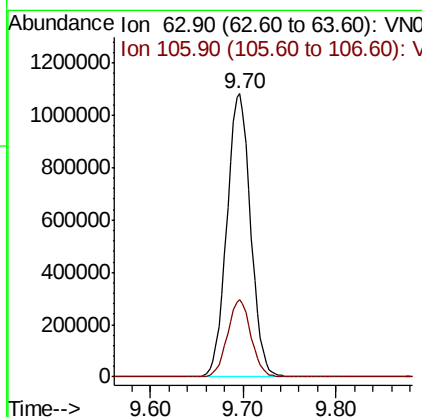
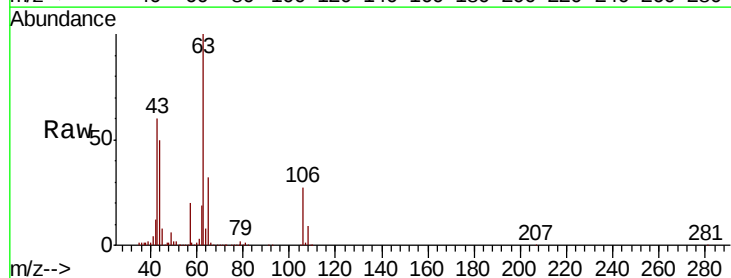
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

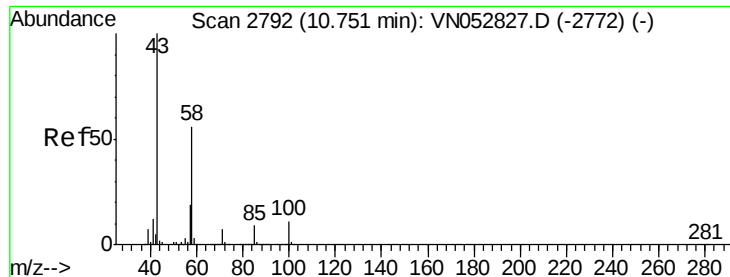
Tot Ion: 76 Resp: 857787
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.308 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion: 63 Resp: 1919632
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.0 31.6

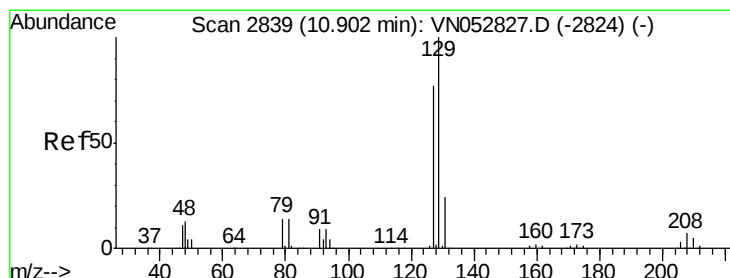
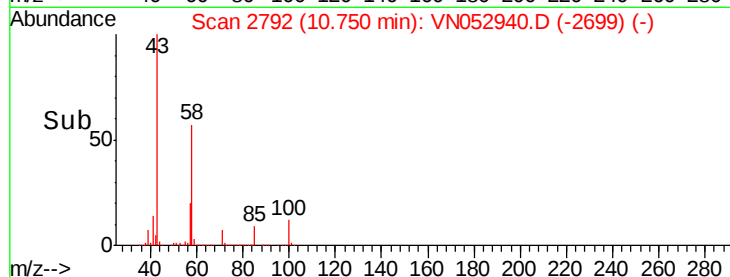
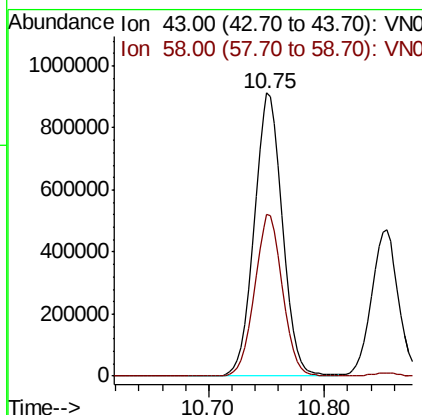
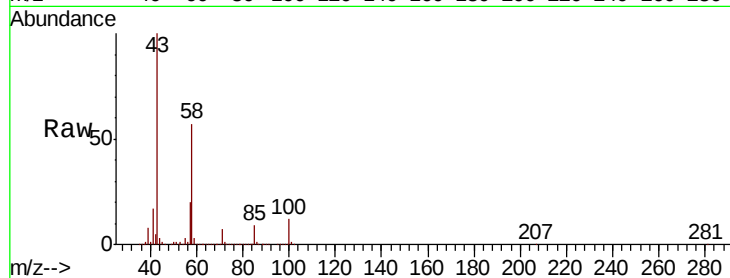




#59
2-Hexanone
Concen: 258.200 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

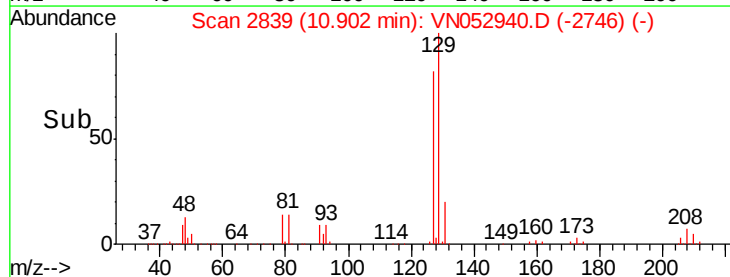
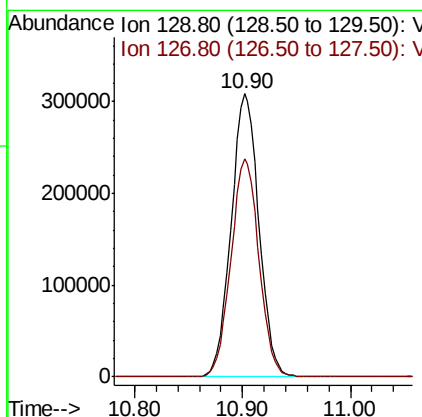
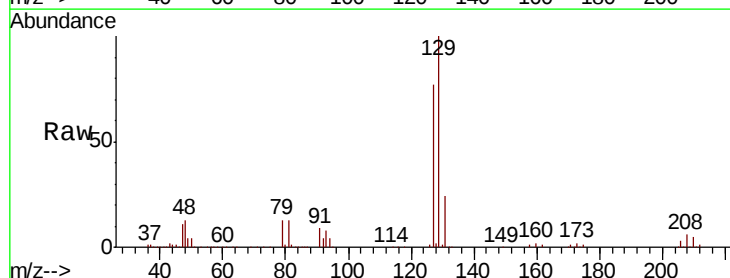
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

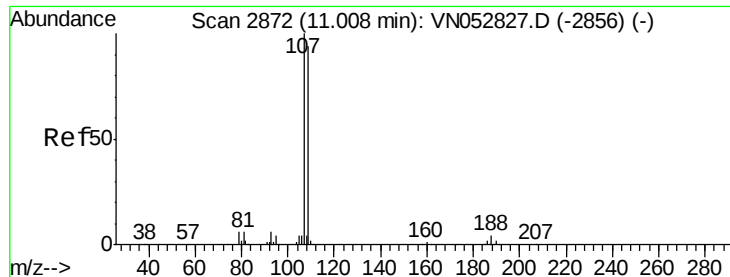
Tot Ion: 43 Resp: 1538744
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3



#60
Dibromochloromethane
Concen: 51.266 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 129 Resp: 553589
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0

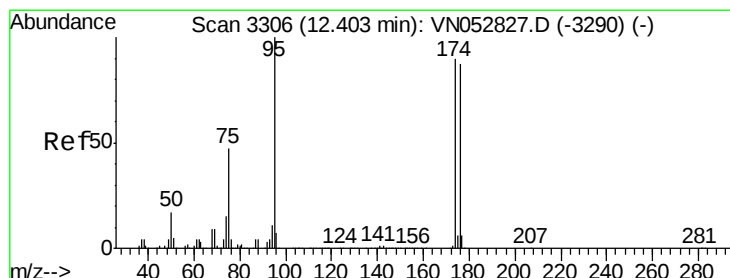
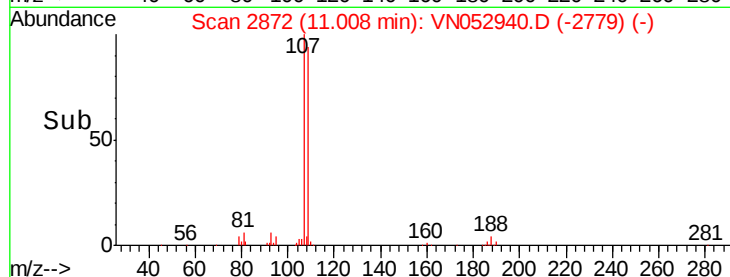
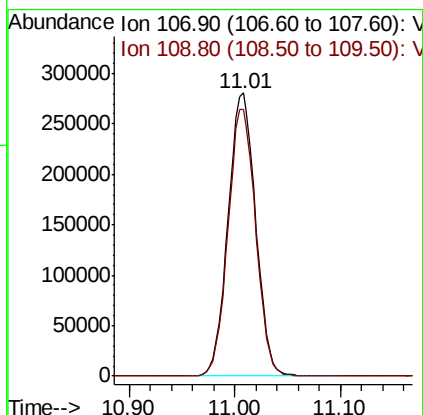
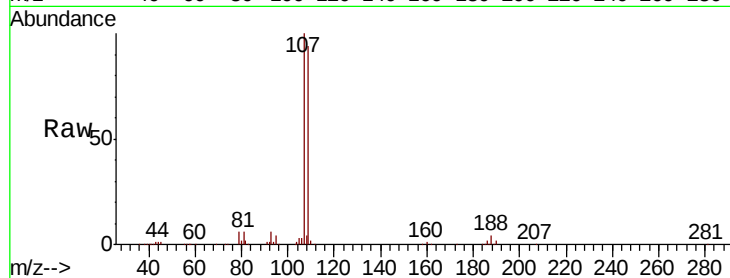




#61
 1,2-Dibromoethane
 Concen: 51.359 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

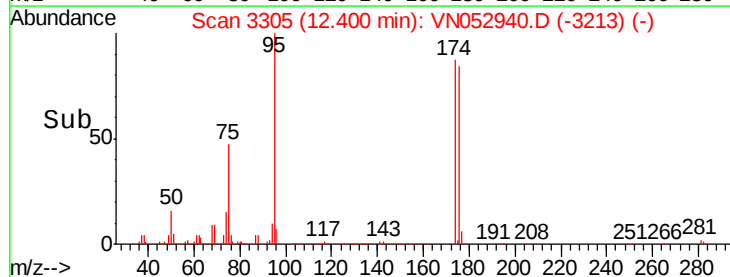
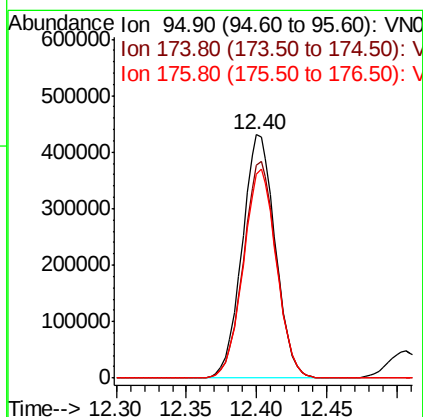
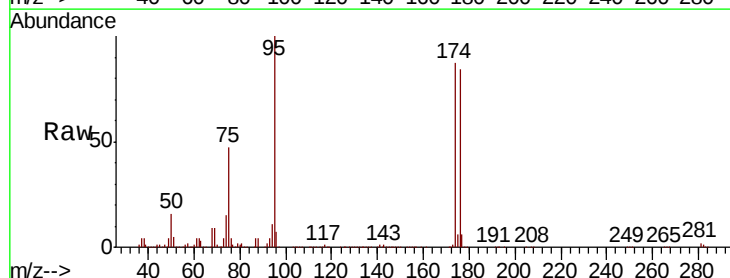
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

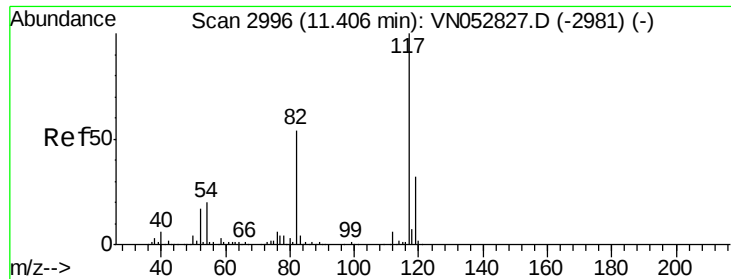
Tot Ion: 107 Resp: 507228
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 51.359 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion: 95 Resp: 708863
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 178.8
 176 85.8 0.0 173.8

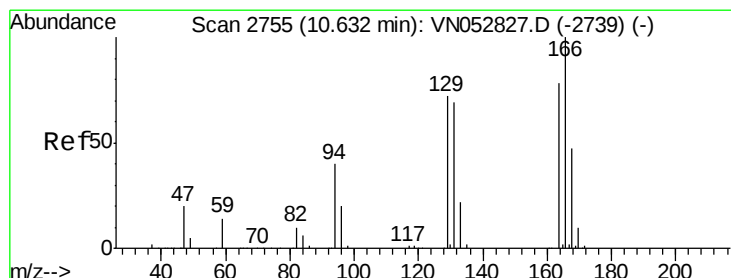
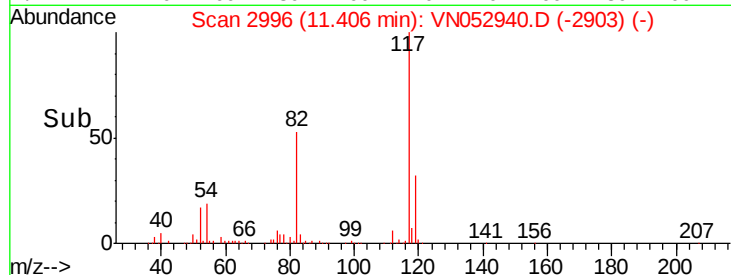
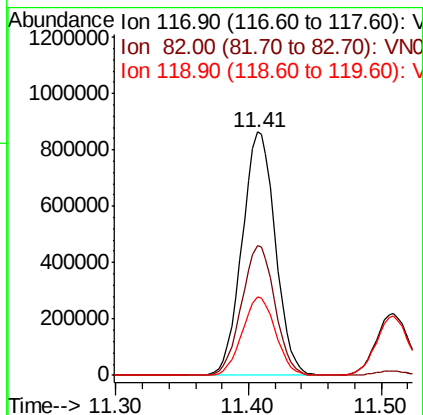
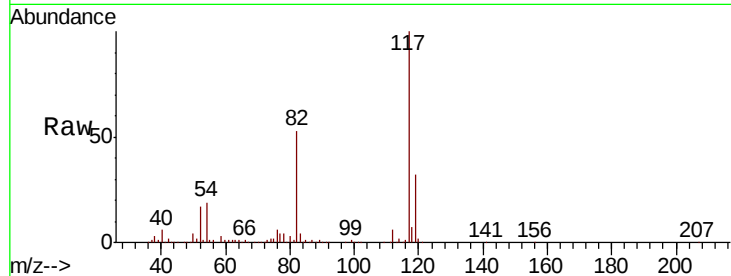




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

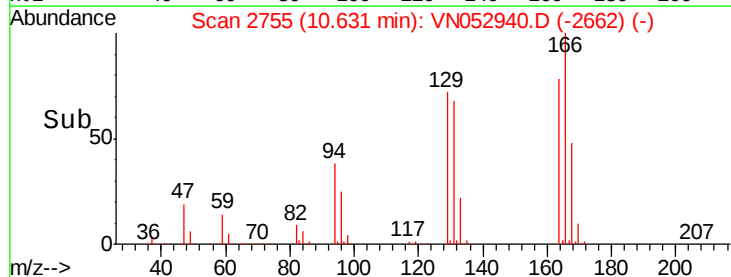
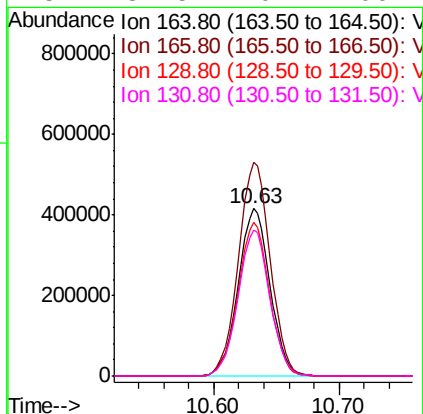
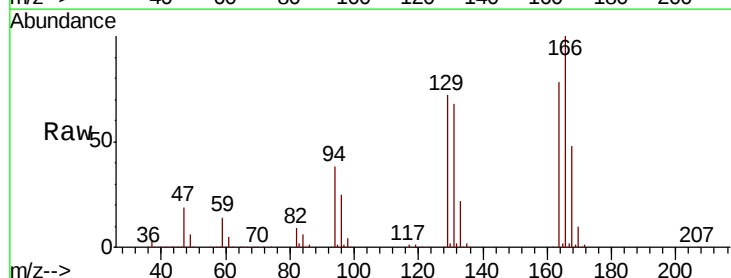
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

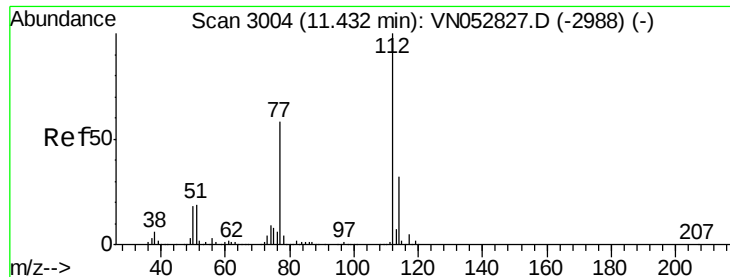
Tot Ion:117 Resp: 1500698
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 56.553 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion:164 Resp: 729428
Ion Ratio Lower Upper
164 100
166 127.8 102.9 154.3
129 91.9 73.7 110.5
131 87.5 70.7 106.1





#65

Chlorobenzene

Concen: 48.857 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

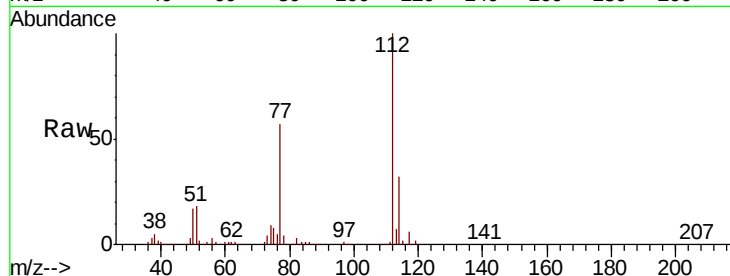
VSTDCCC050EC

Tot Ion:112 Resp: 1521135

Ion Ratio Lower Upper

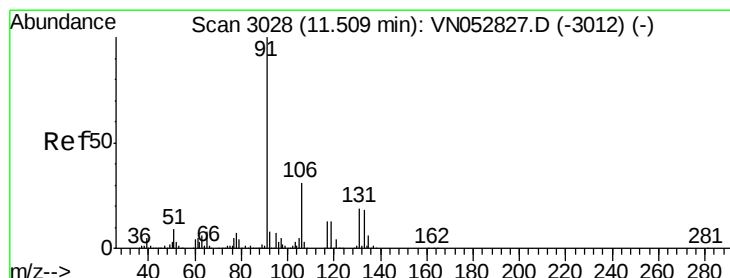
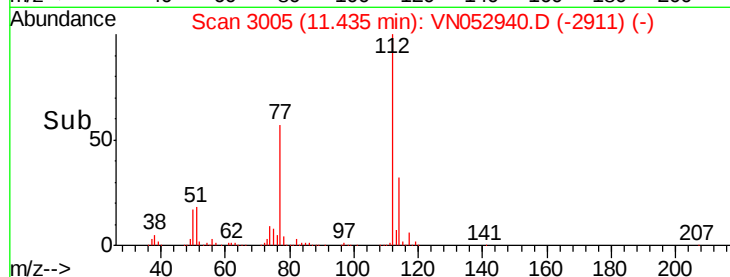
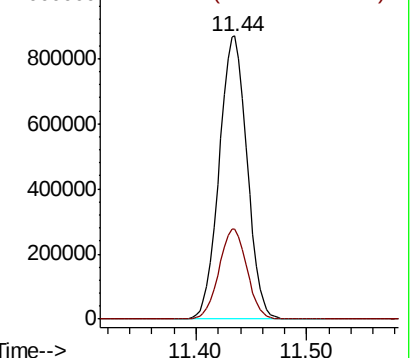
112 100

114 31.8 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.354 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

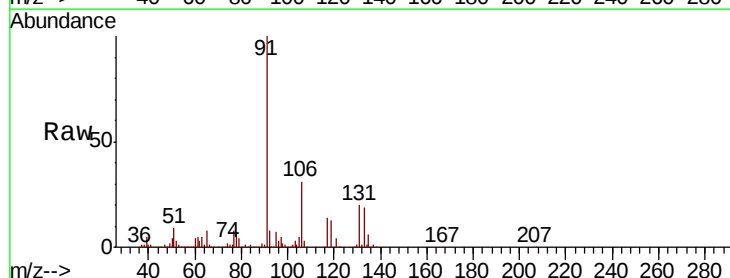
Tgt Ion:131 Resp: 545232

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

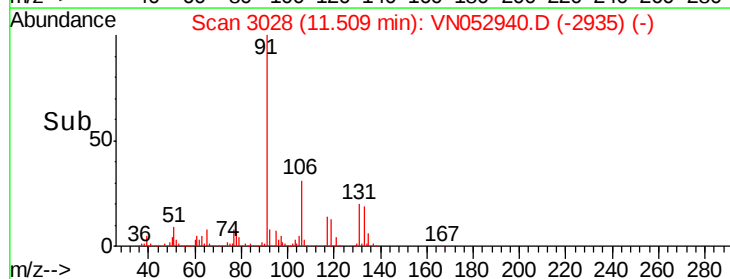
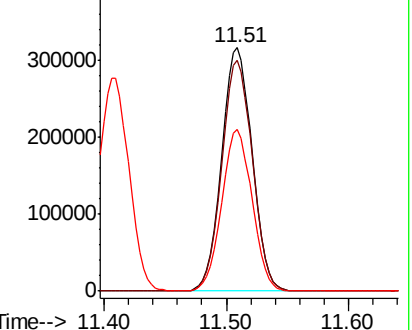
119 66.3 33.3 99.8

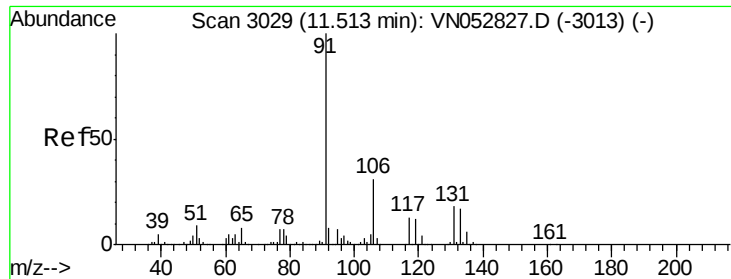


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

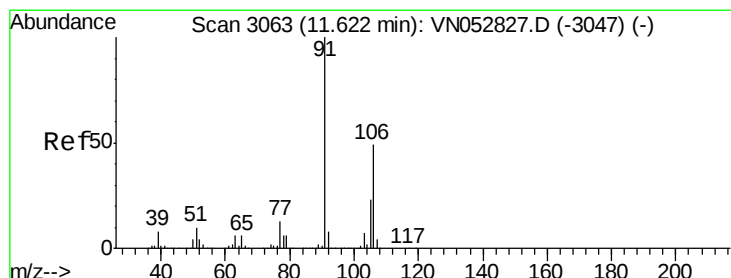
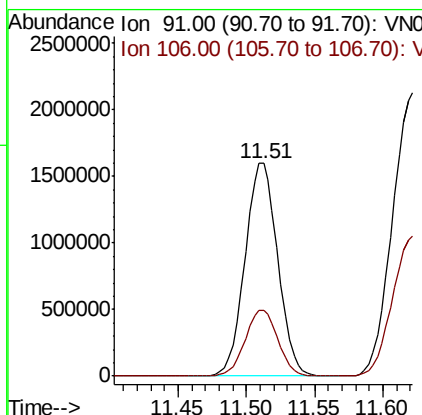
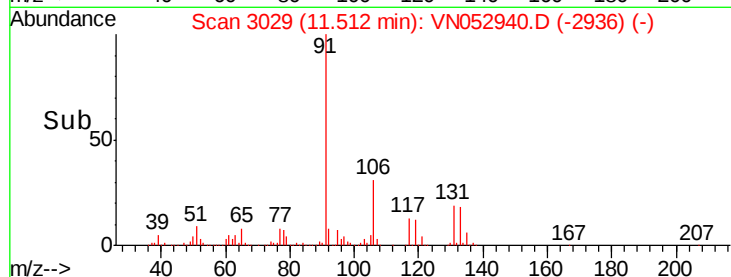
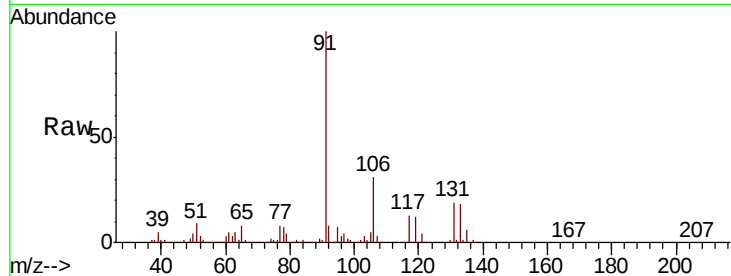




#67
Ethyl Benzene
Concen: 49.726 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

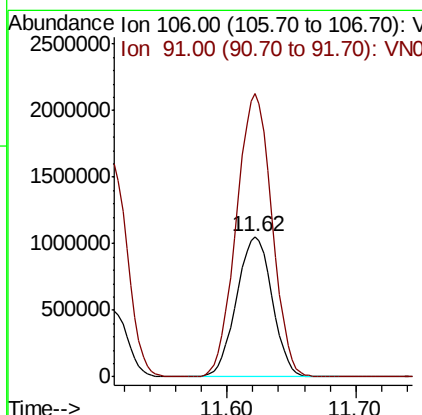
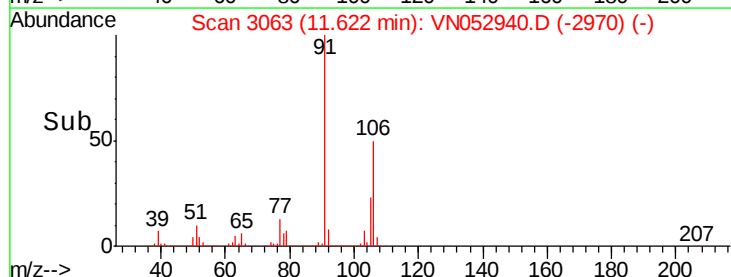
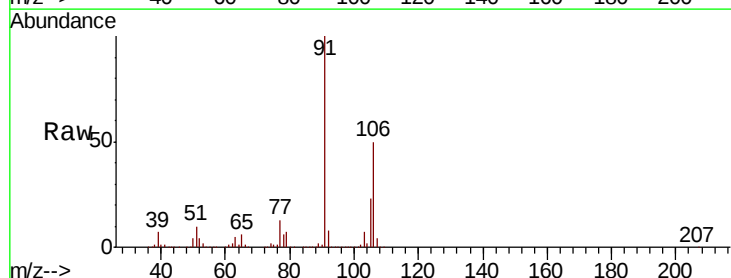
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

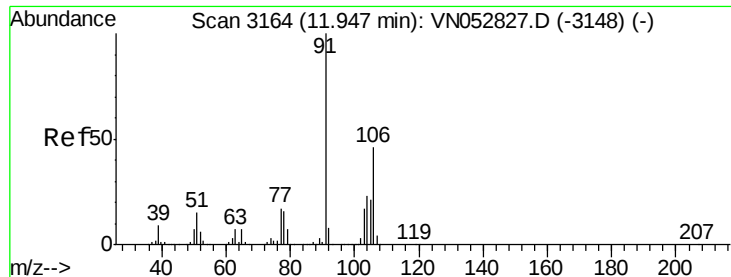
Tot Ion: 91 Resp: 2658683
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 100.742 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion: 106 Resp: 2022525
Ion Ratio Lower Upper
106 100
91 201.4 162.2 243.4

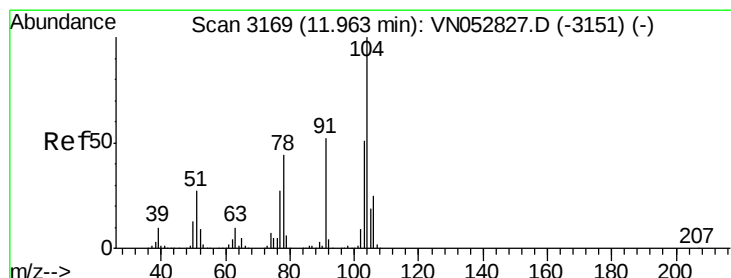
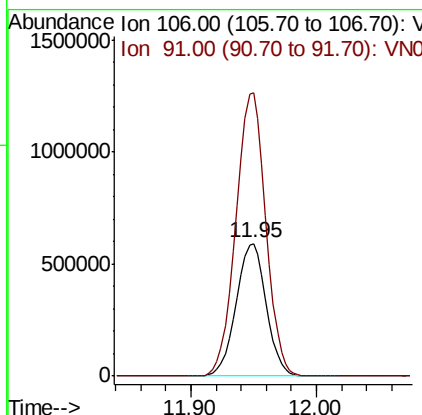
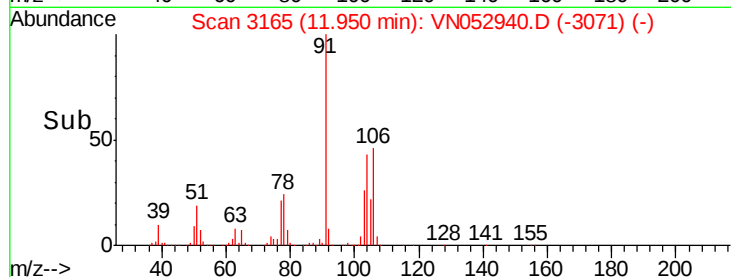
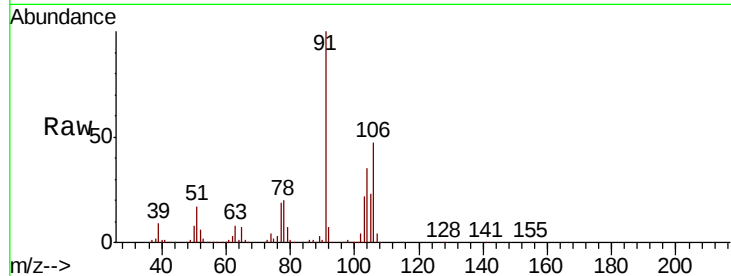




#69
o-Xylene
Concen: 50.222 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

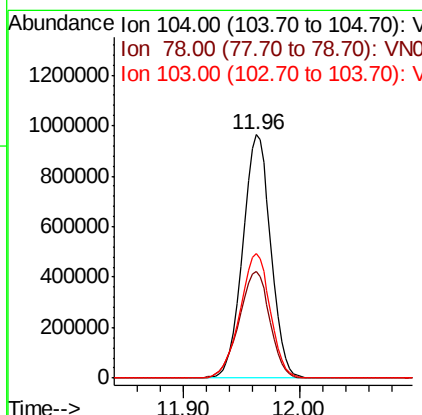
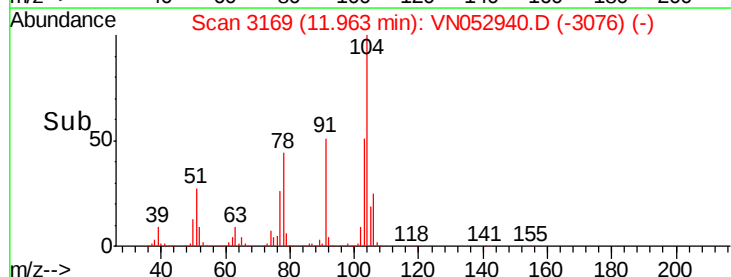
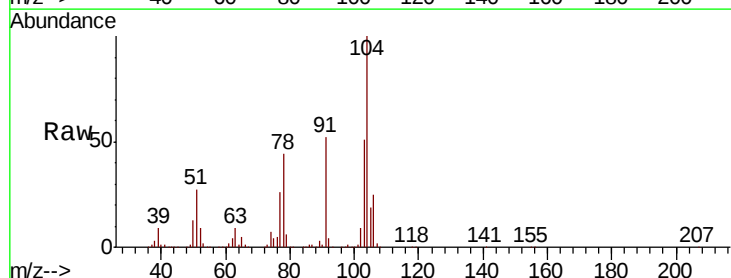
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

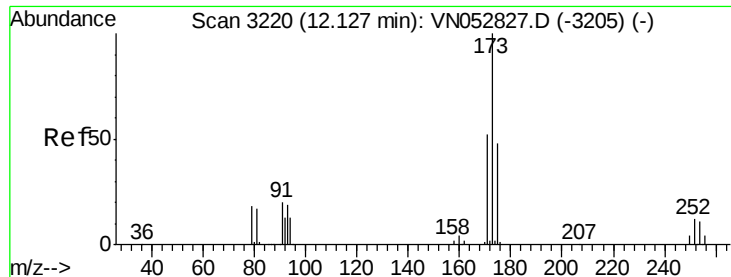
Tot Ion:106 Resp: 984554
Ion Ratio Lower Upper
106 100
91 212.3 106.6 319.8



#70
Styrene
Concen: 51.378 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion:104 Resp: 1619149
Ion Ratio Lower Upper
104 100
78 48.3 38.9 58.3
103 55.3 44.3 66.5

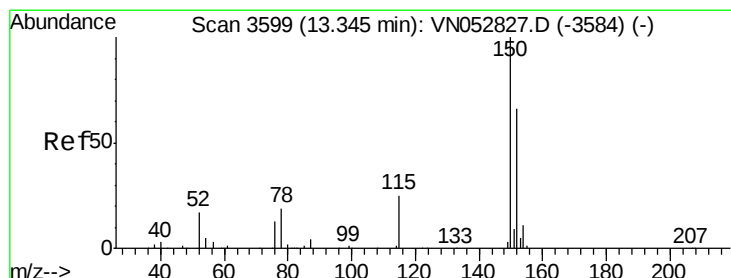
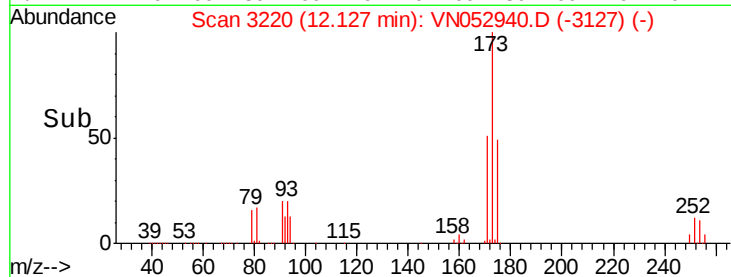
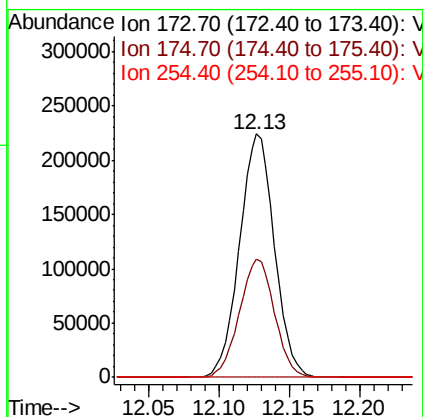
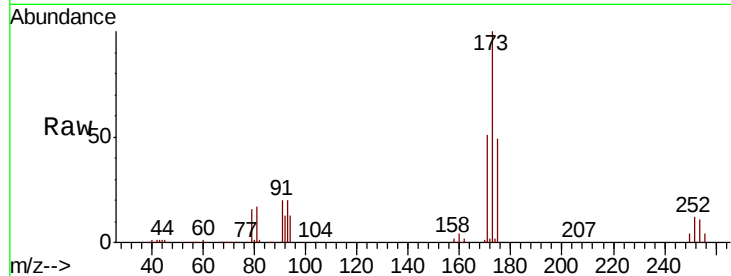




#71
Bromoform
Concen: 52.696 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

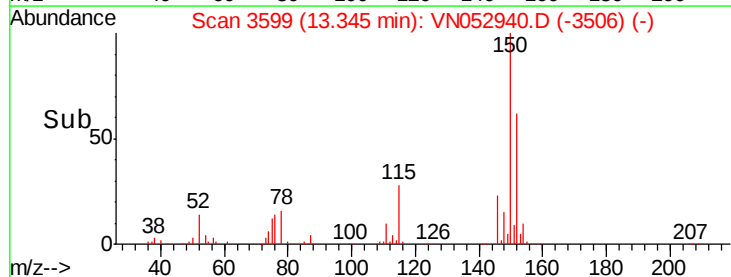
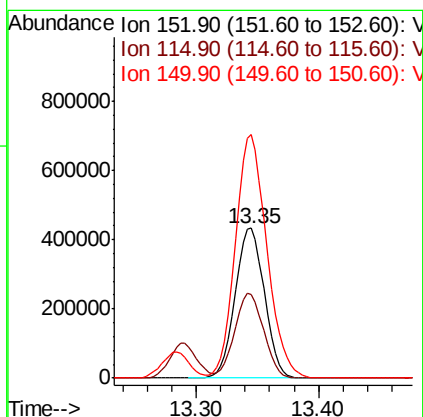
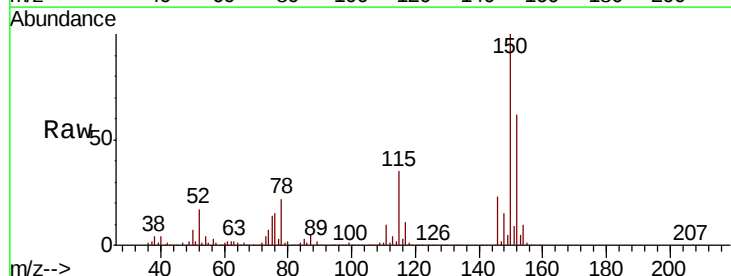
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

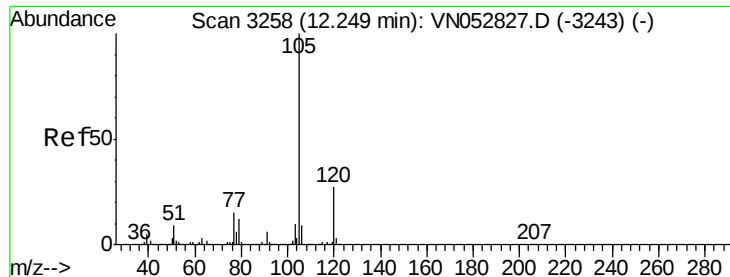
Tot Ion:173 Resp: 387647
Ion Ratio Lower Upper
173 100
175 48.9 24.3 72.9
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052940.D
Acq: 17 Dec 2018 20:58

Tgt Ion:152 Resp: 717006
Ion Ratio Lower Upper
152 100
115 56.5 28.3 85.0
150 174.5 0.0 347.8





#73

Isopropylbenzene

Concen: 48.584 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

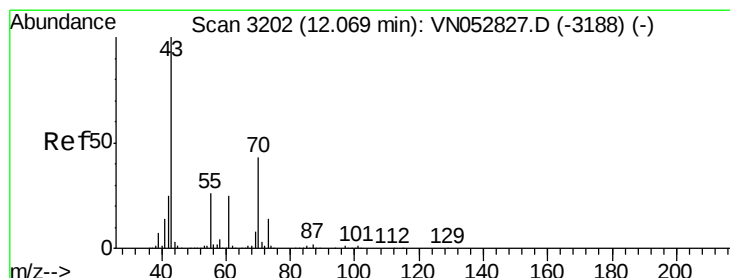
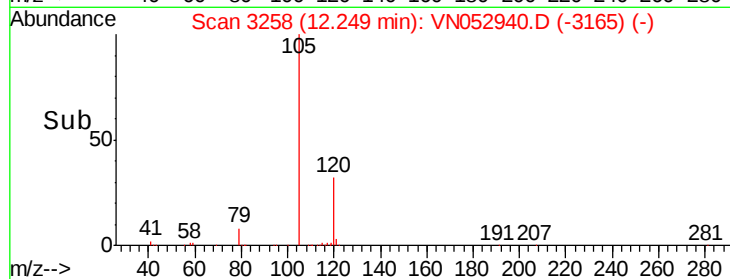
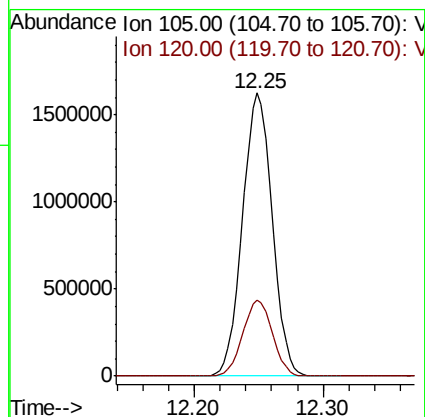
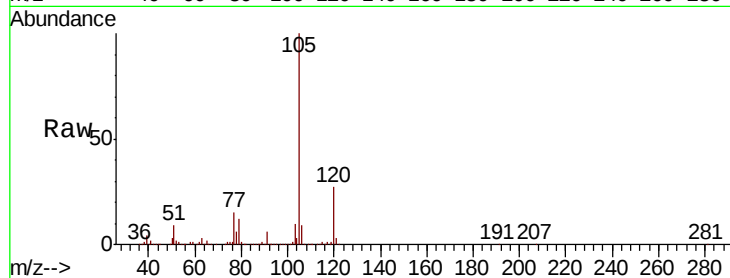
VSTDCCC050EC

Tot Ion:105 Resp: 2600909

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 54.755 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Tgt Ion: 43 Resp: 804753

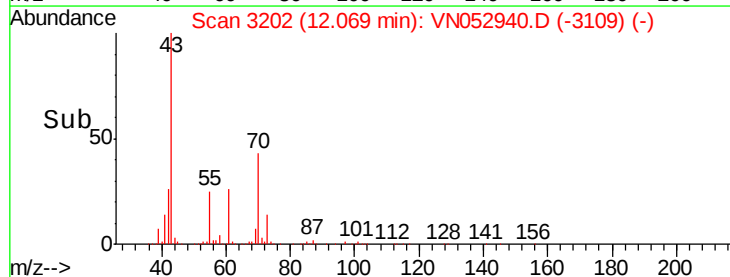
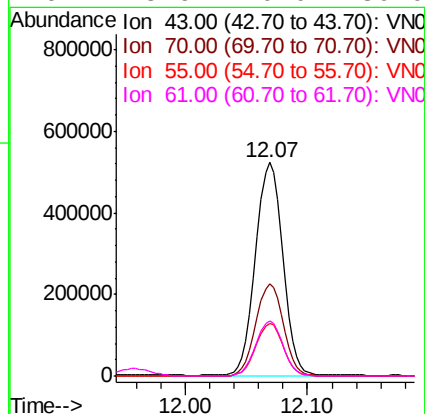
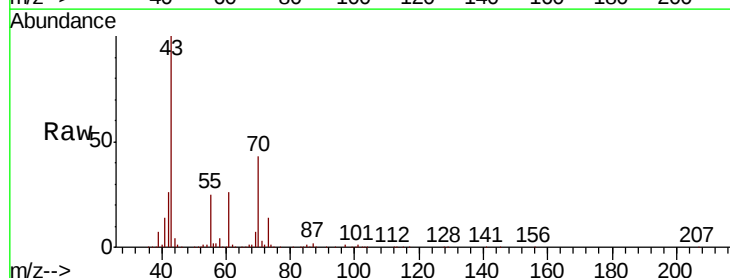
Ion Ratio Lower Upper

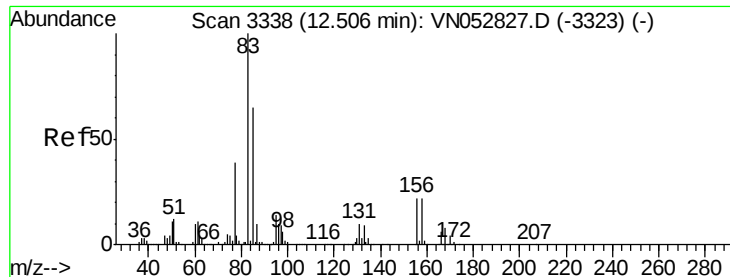
43 100

70 43.8 34.2 51.4

55 24.8 20.3 30.5

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.572 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

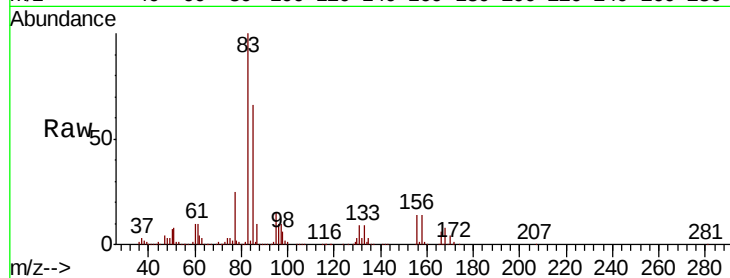
Tot Ion: 83 Resp: 534763

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

85 65.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052827.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-3323) (-)

12.50

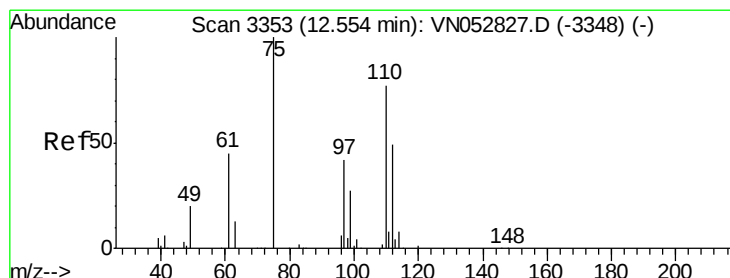
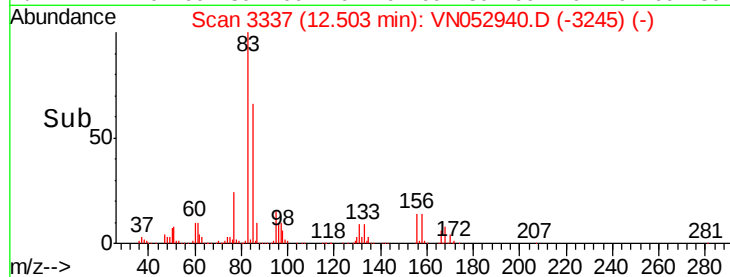
300000

200000

100000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 73.723 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052940.D

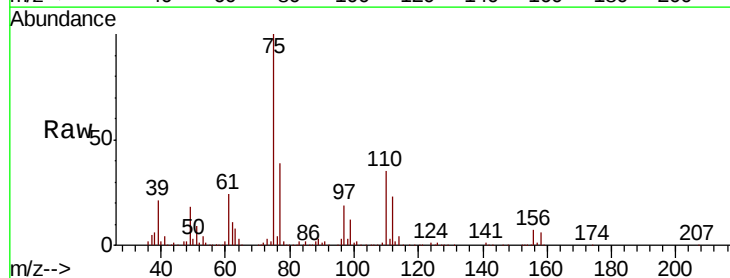
Acq: 17 Dec 2018 20:58

Tgt Ion: 75 Resp: 779889

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052827.D (-3348) (-)

12.55

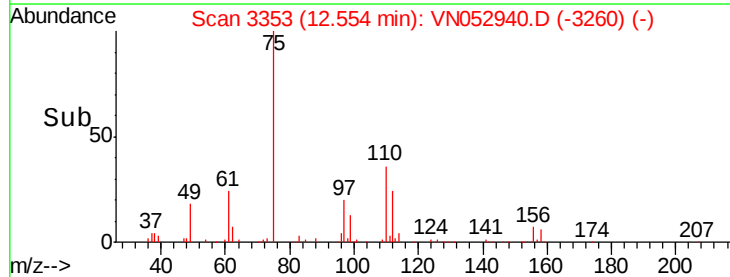
600000

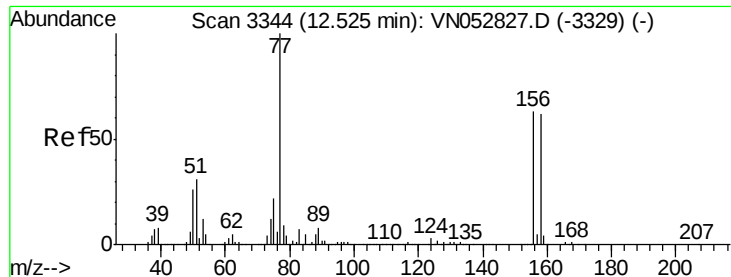
400000

200000

0

Time-->





#77

Bromobenzene

Concen: 49.443 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

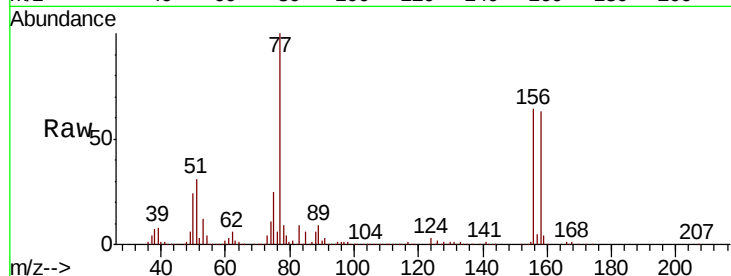
Tot Ion:156 Resp: 673228

Ion Ratio Lower Upper

156 100

77 178.0 91.3 273.8

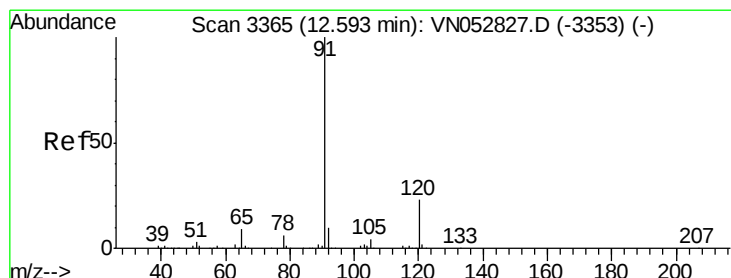
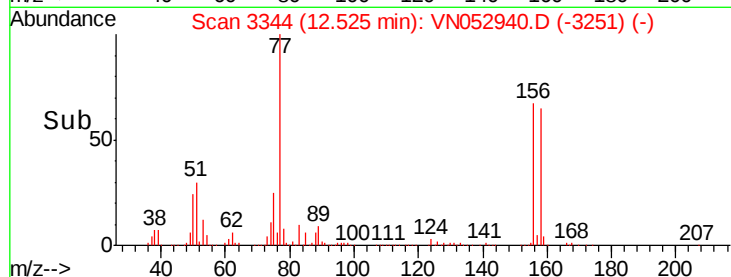
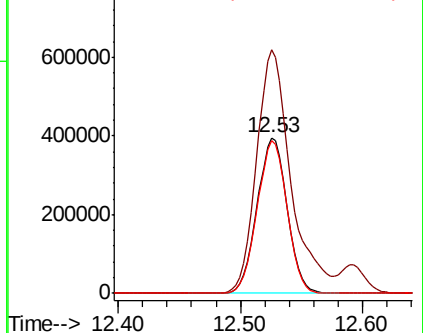
158 97.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.841 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052940.D

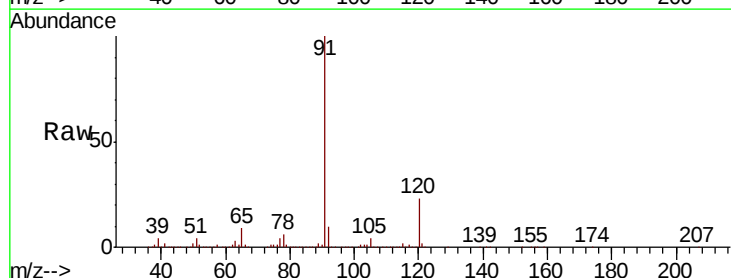
Acq: 17 Dec 2018 20:58

Tgt Ion: 91 Resp: 2982007

Ion Ratio Lower Upper

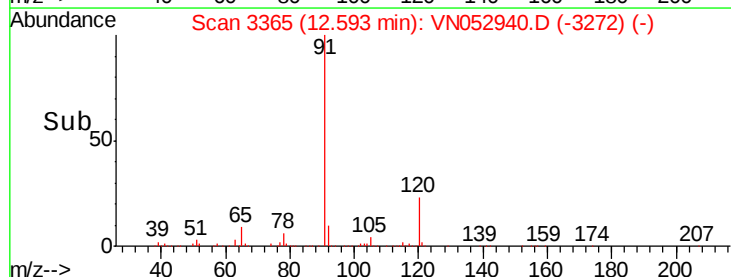
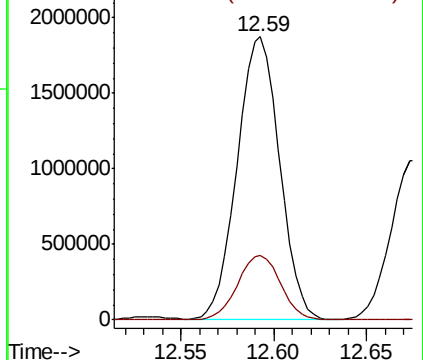
91 100

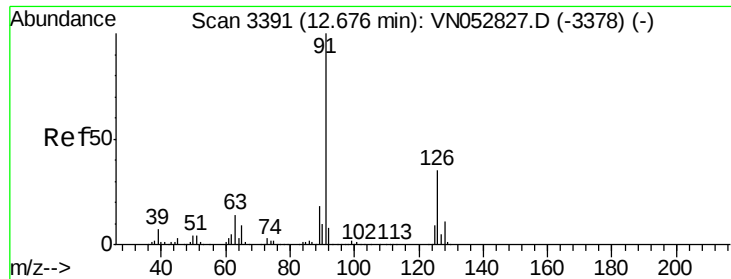
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.069 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

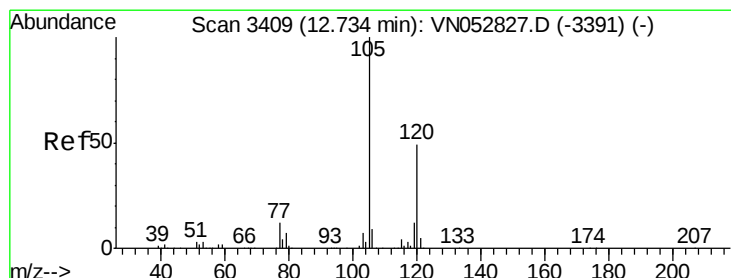
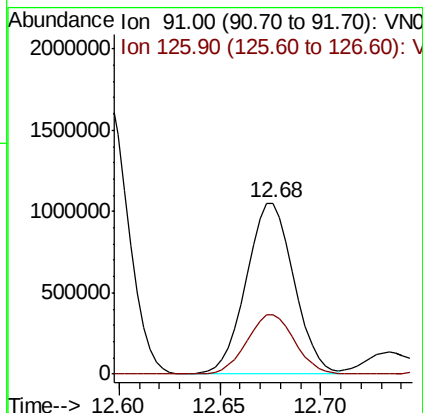
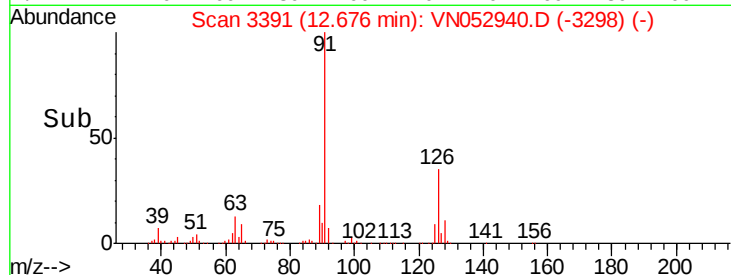
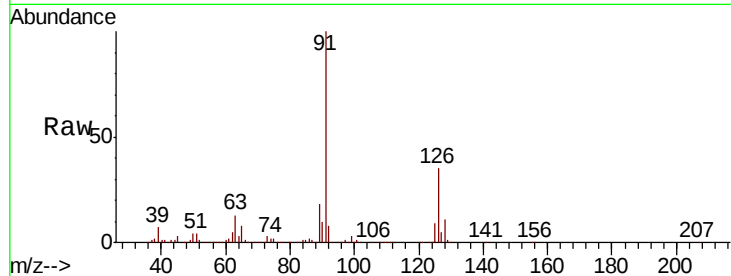
VSTDCCC050EC

Tot Ion: 91 Resp: 1735065

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 48.988 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052940.D

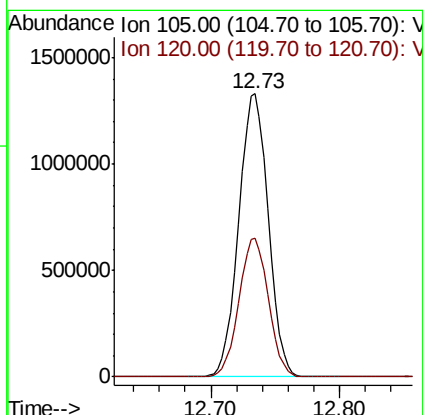
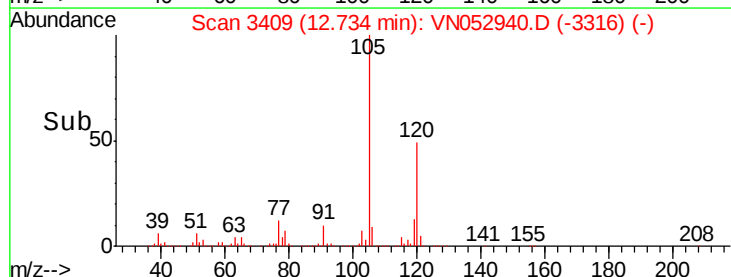
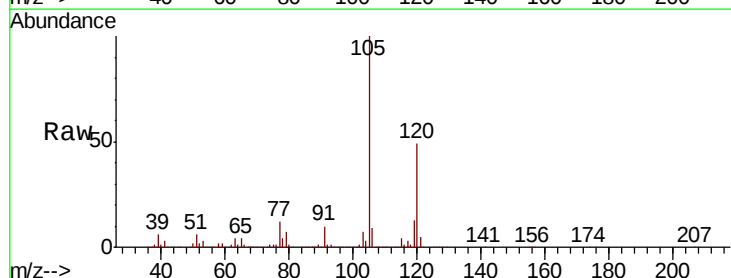
Acq: 17 Dec 2018 20:58

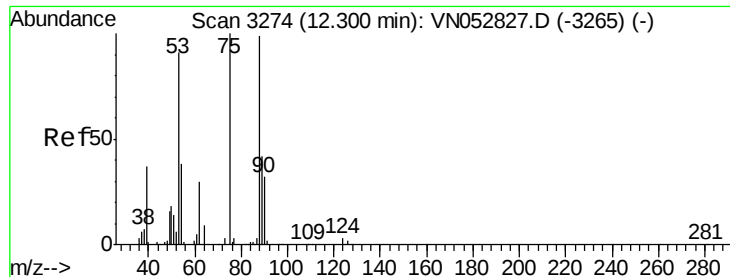
Tgt Ion:105 Resp: 2117050

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 56.353 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

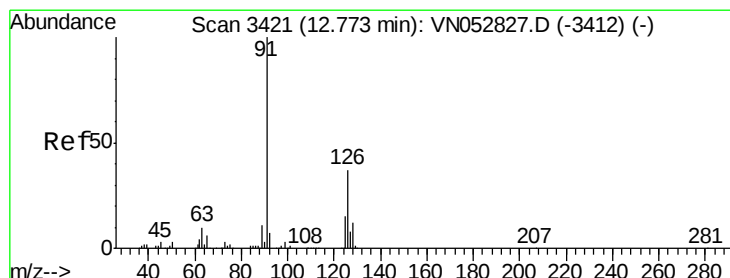
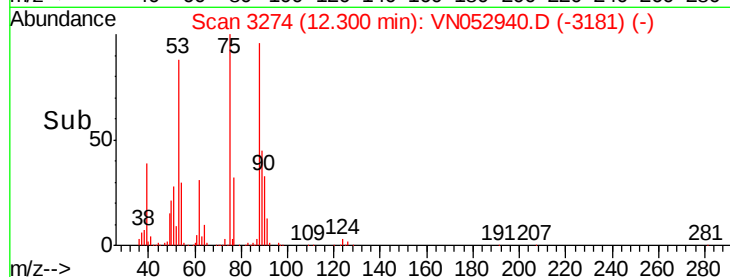
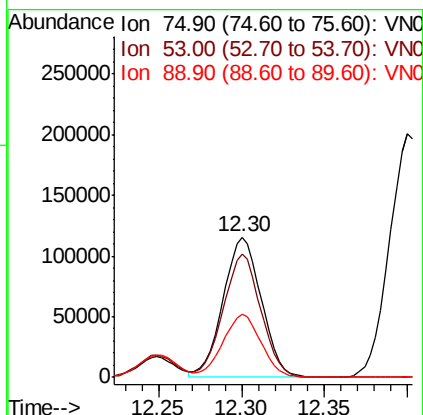
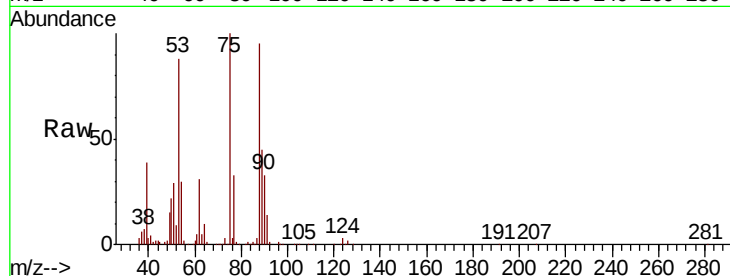
Tot Ion: 75 Resp: 185567

Ion Ratio Lower Upper

75 100

53 87.6 74.7 112.1

89 45.0 36.1 54.1



#82

4-Chlorotoluene

Concen: 48.248 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052940.D

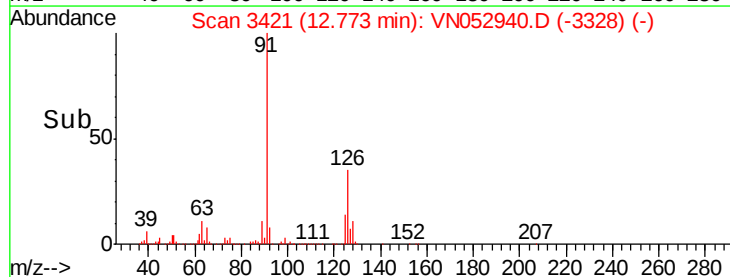
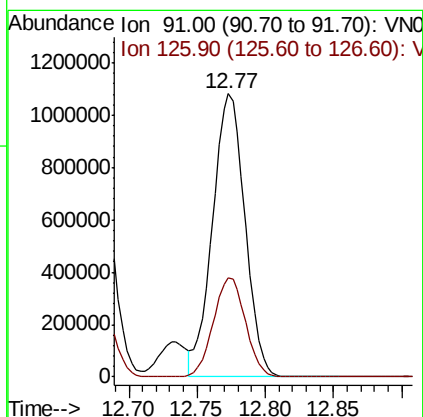
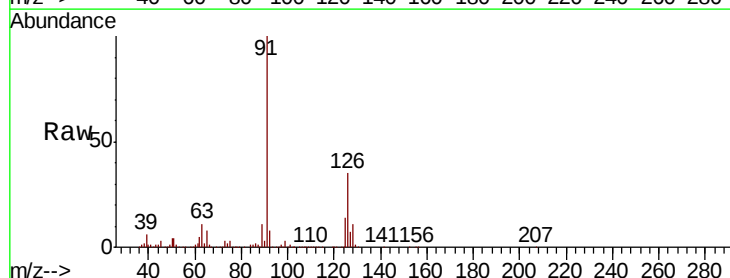
Acq: 17 Dec 2018 20:58

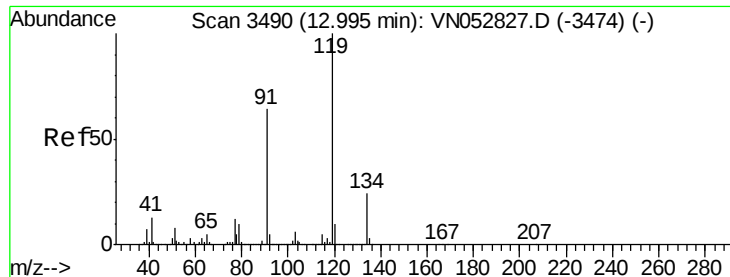
Tgt Ion: 91 Resp: 1780585

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.7





#83

tert-Butylbenzene

Concen: 48.362 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

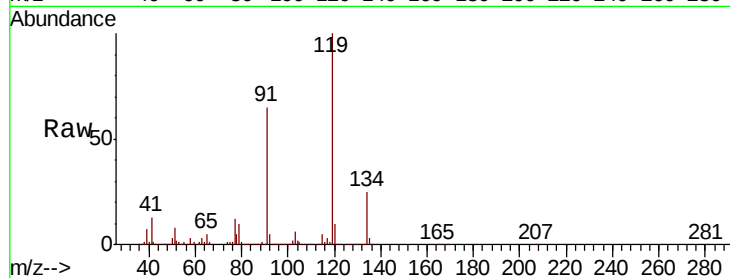
Tot Ion:119 Resp: 1843660

Ion Ratio Lower Upper

119 100

91 63.9 31.9 95.5

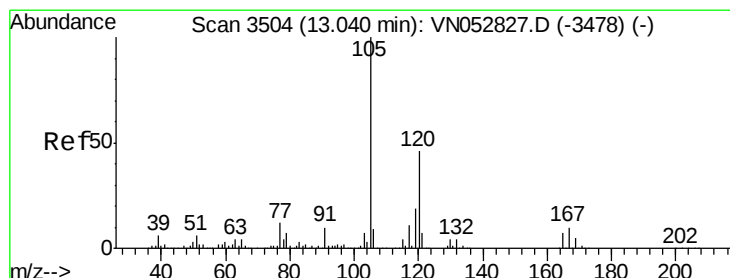
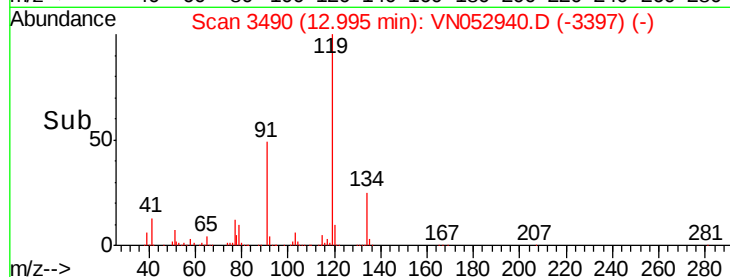
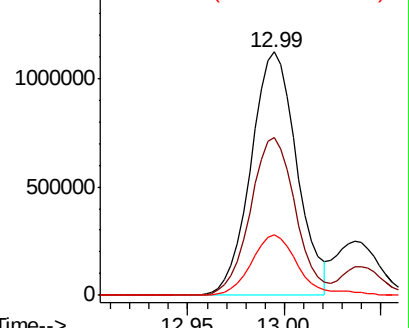
134 25.4 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.476 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052940.D

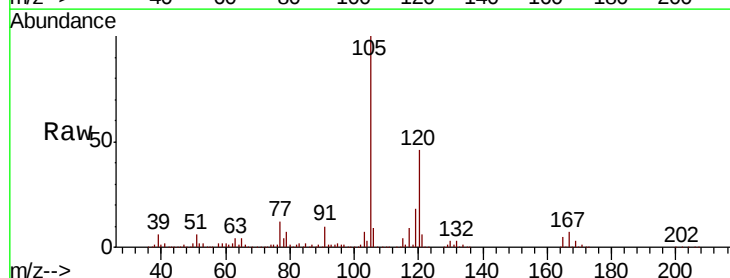
Acq: 17 Dec 2018 20:58

Tgt Ion:105 Resp: 2164587

Ion Ratio Lower Upper

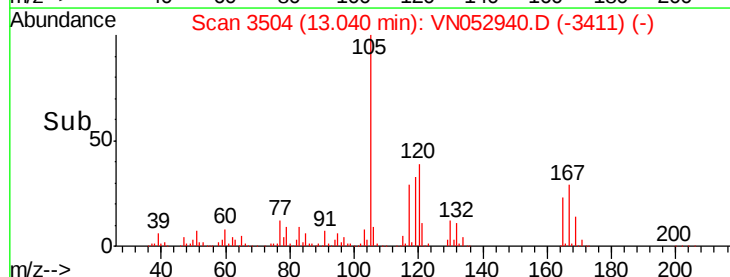
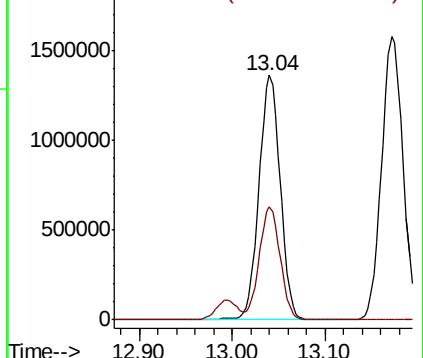
105 100

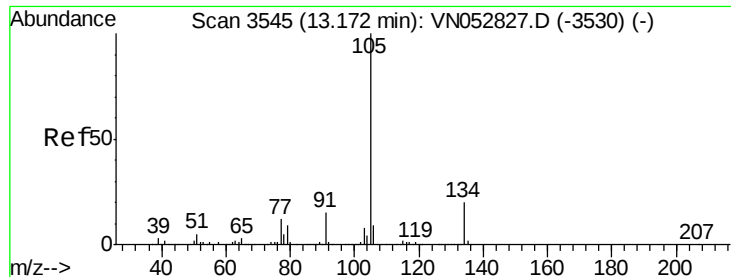
120 45.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

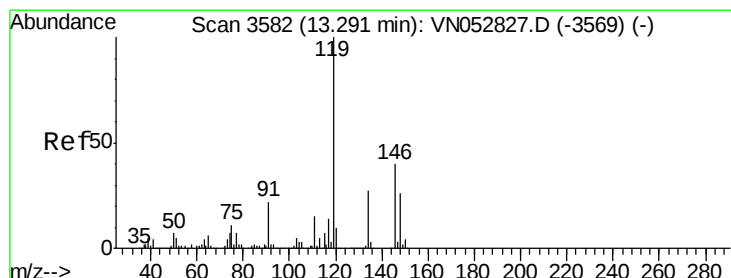
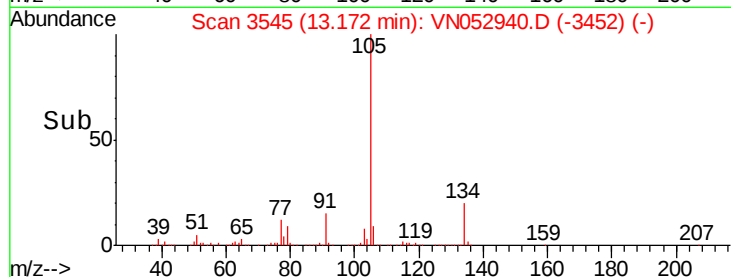
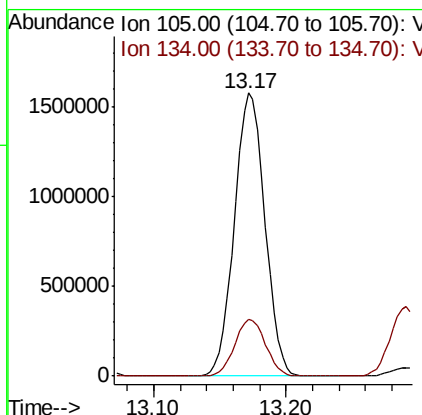
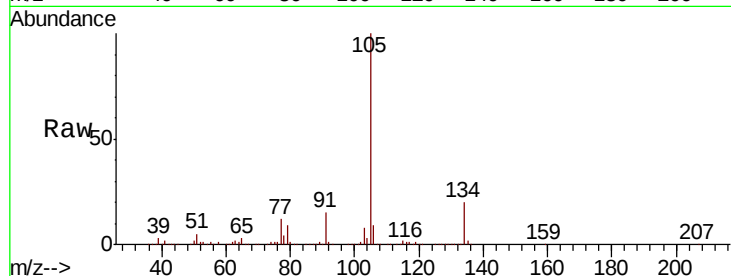




#85
 sec-Butylbenzene
 Concen: 48.835 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

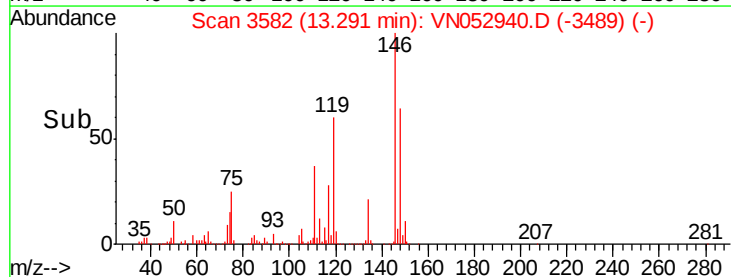
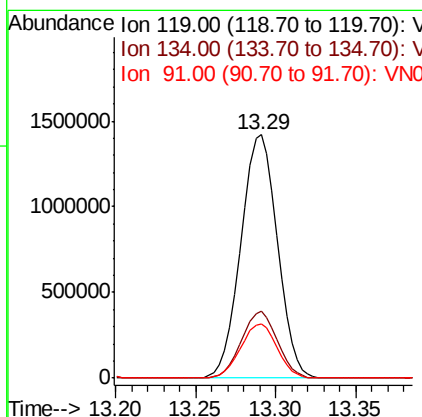
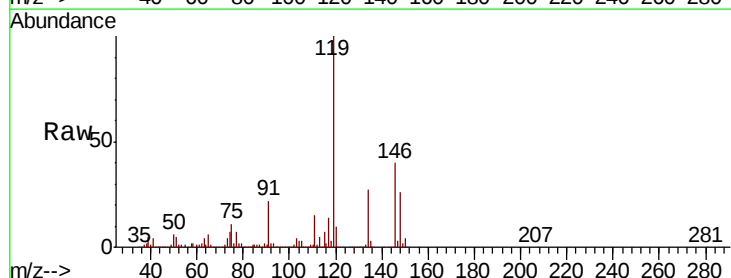
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

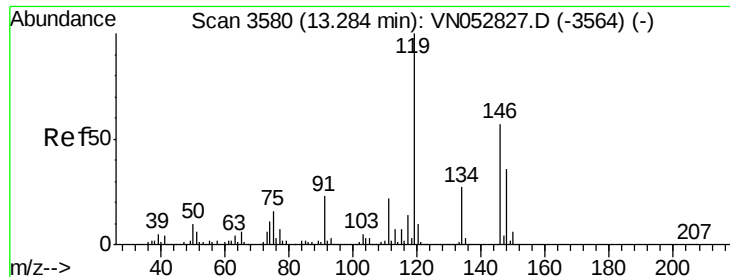
Tot Ion:105 Resp: 2521211
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 49.240 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion:119 Resp: 2202426
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.2
 91 22.3 11.1 33.3

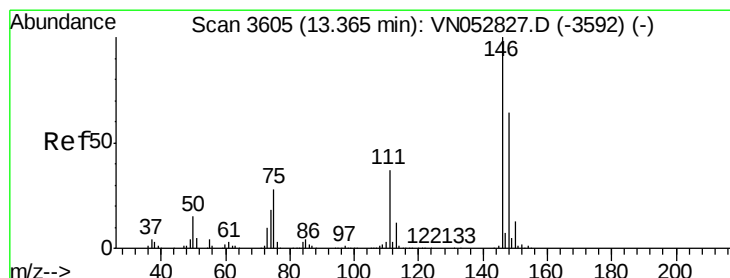
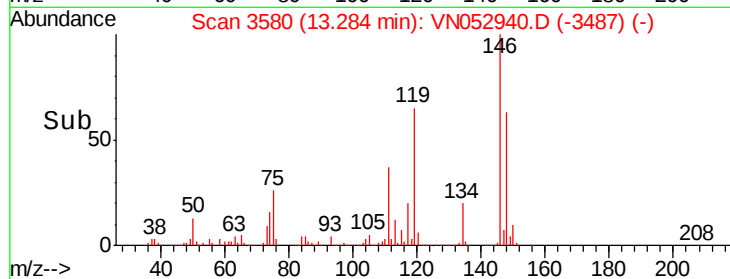
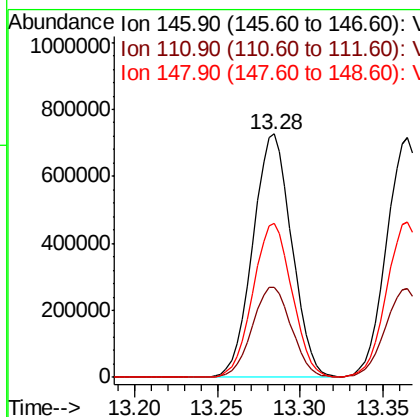
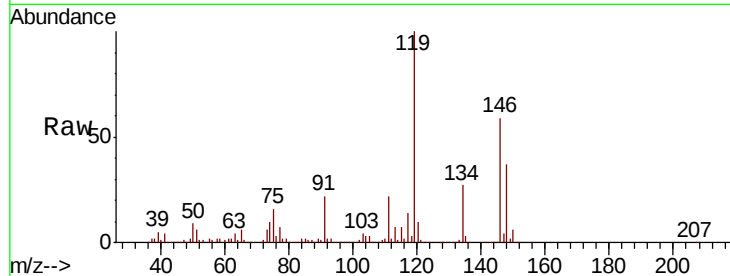




#87
 1,3-Dichlorobenzene
 Concen: 48.815 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

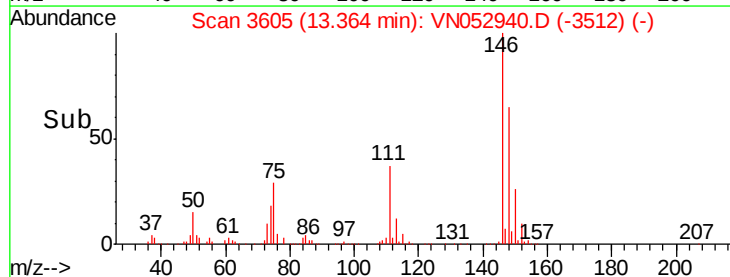
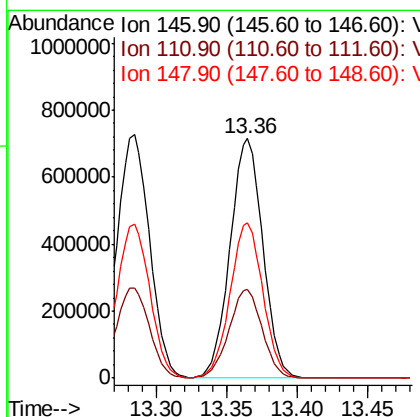
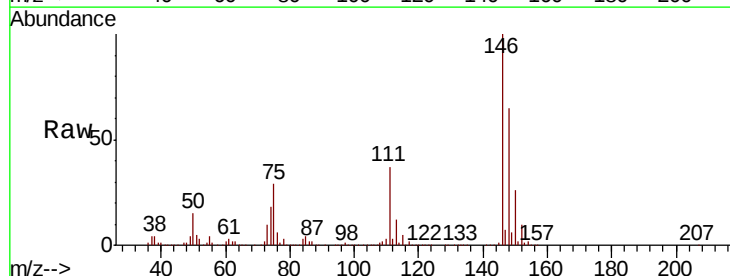
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

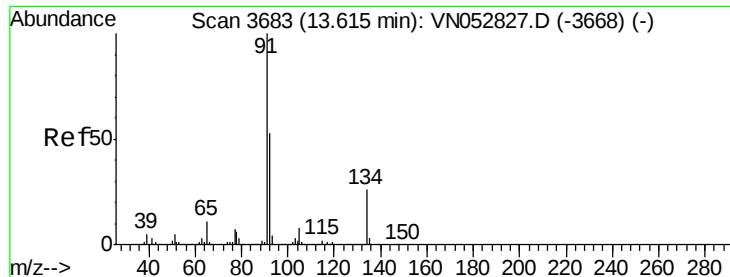
Tot Ion:146 Resp: 1181182
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.1
 148 63.6 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 48.458 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion:146 Resp: 1161174
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.8
 148 64.8 32.1 96.5





#89

n-Butylbenzene

Concen: 49.866 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

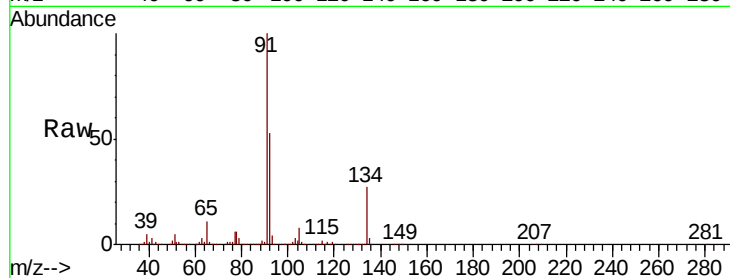
Tot Ion: 91 Resp: 1877668

Ion Ratio Lower Upper

91 100

92 52.9 26.3 78.9

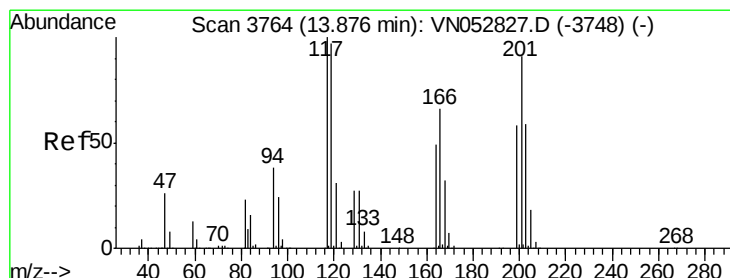
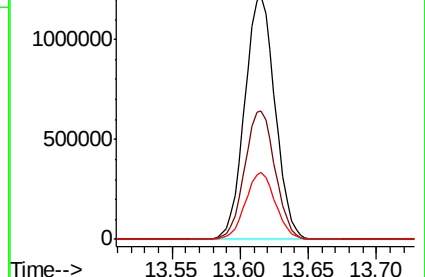
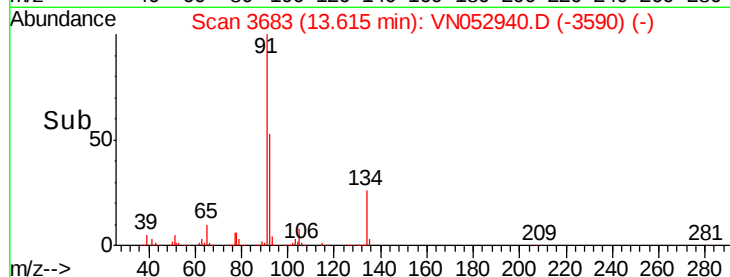
134 27.0 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90

Hexachloroethane

Concen: 44.927 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052940.D

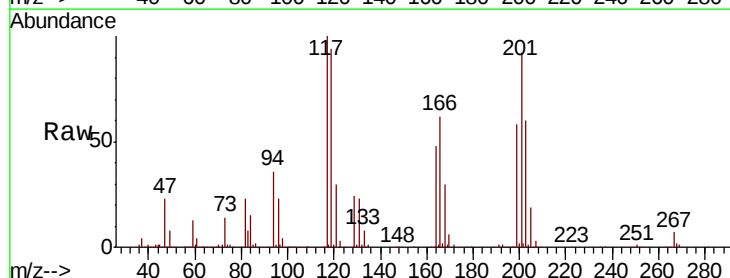
Acq: 17 Dec 2018 20:58

Tgt Ion: 117 Resp: 336492

Ion Ratio Lower Upper

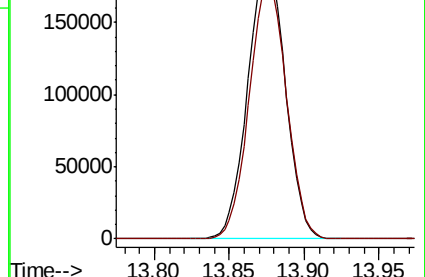
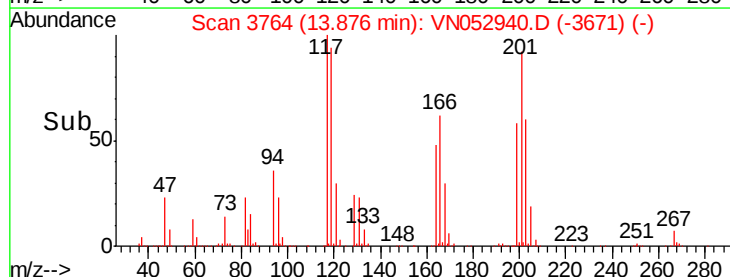
117 100

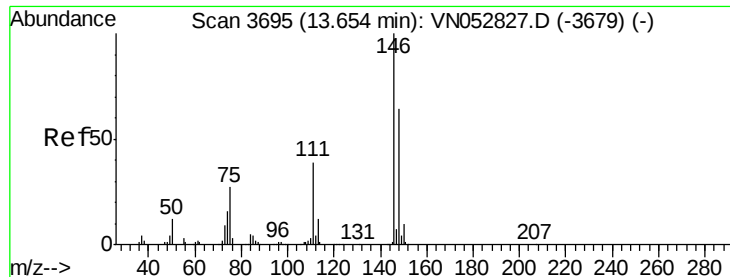
201 91.4 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 48.835 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

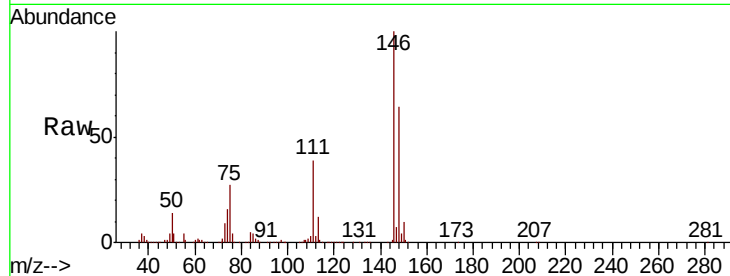
Tot Ion:146 Resp: 1136671

Ion Ratio Lower Upper

146 100

111 38.9 19.7 59.0

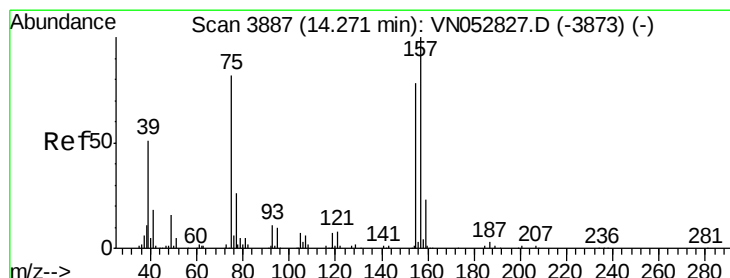
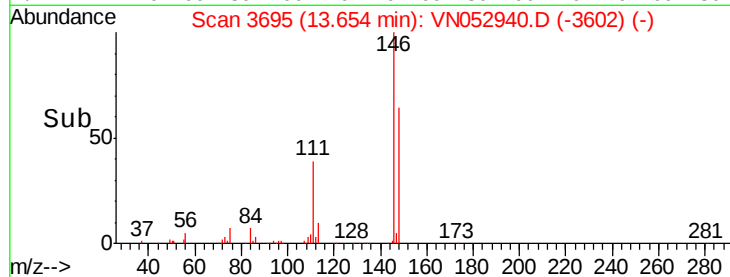
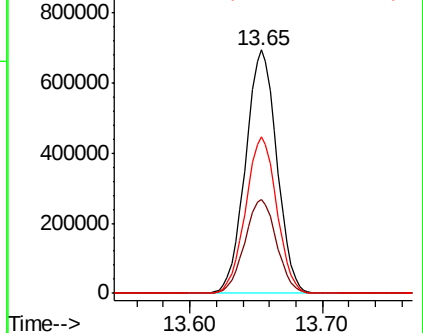
148 64.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.103 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

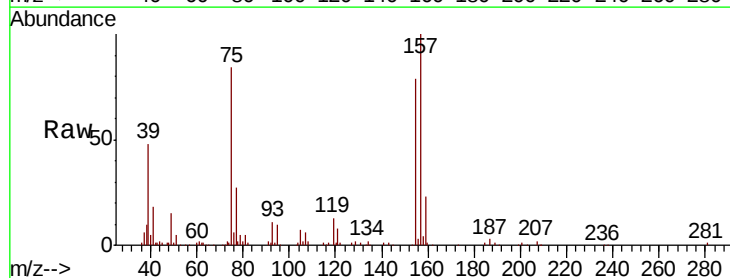
Tgt Ion: 75 Resp: 99656

Ion Ratio Lower Upper

75 100

155 94.5 48.2 144.6

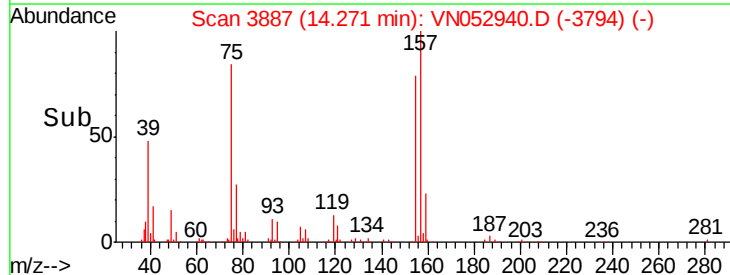
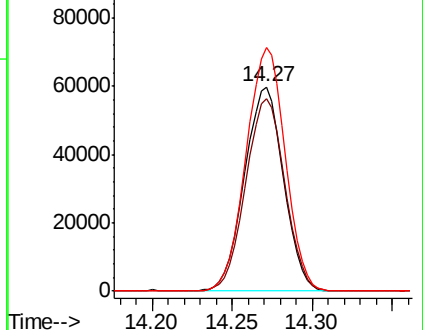
157 119.4 61.2 183.5

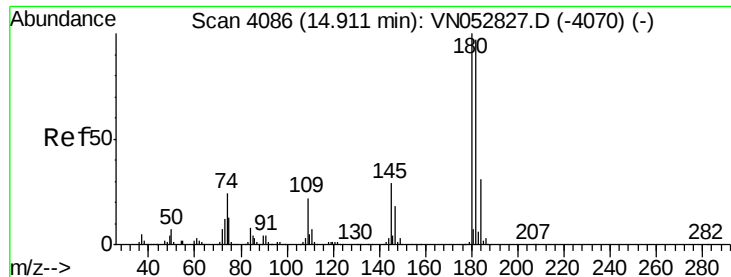


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

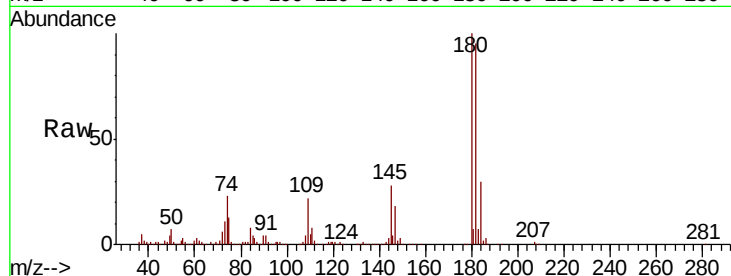




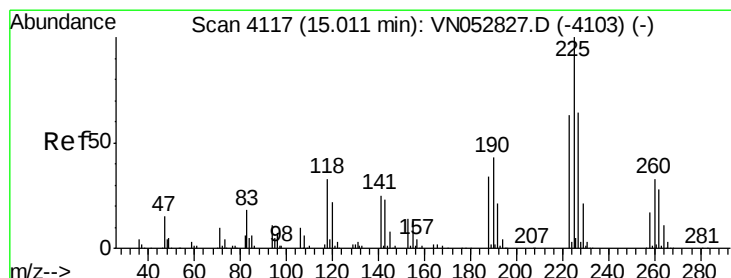
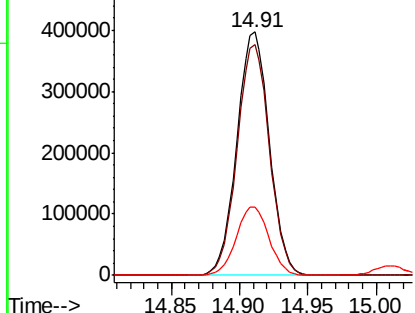
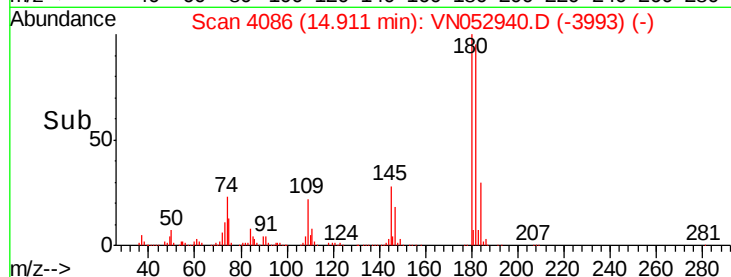
#93
 1,2,4-Trichlorobenzene
 Concen: 51.826 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 655729
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.8 143.3
 145 28.3 14.2 42.6

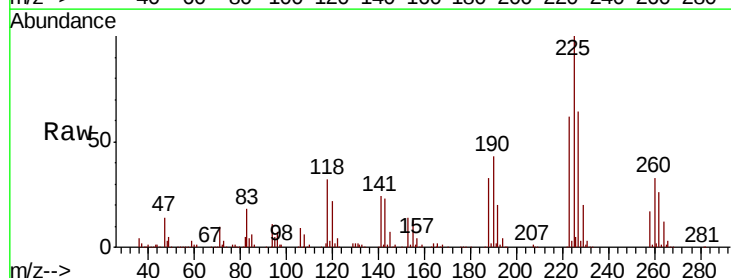


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

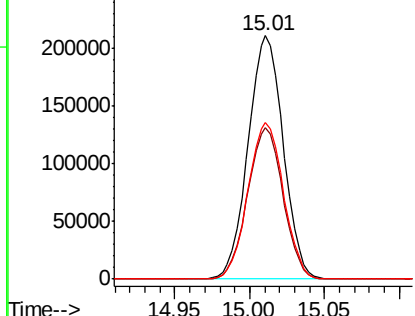
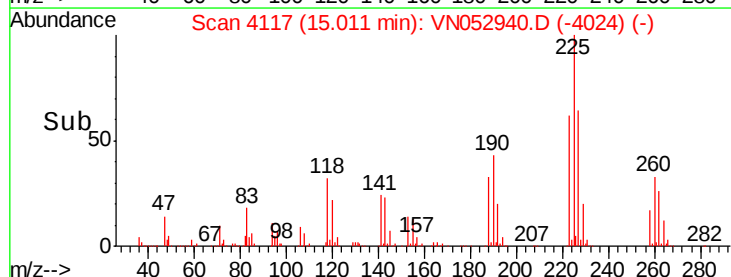


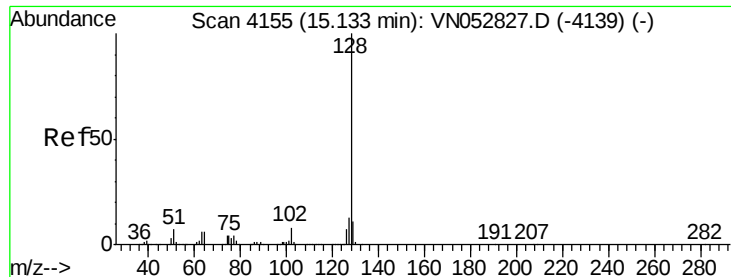
#94
 Hexachlorobutadiene
 Concen: 46.975 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052940.D
 Acq: 17 Dec 2018 20:58

Tgt Ion:225 Resp: 344022
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.5 94.5
 227 65.2 31.9 95.7



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





#95

Naphthalene

Concen: 56.081 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

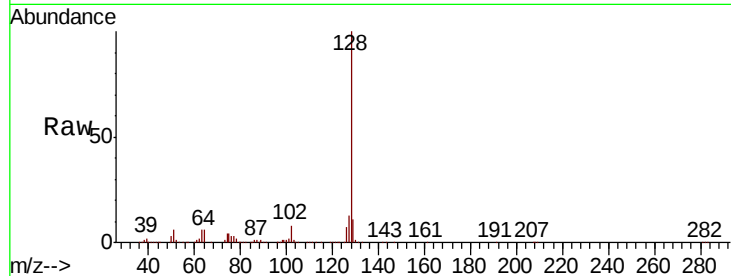
Tot Ion:128 Resp: 1469600

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

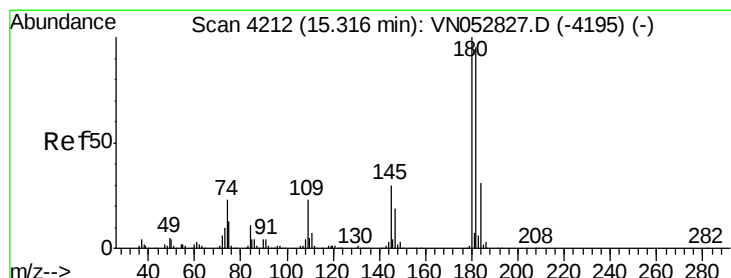
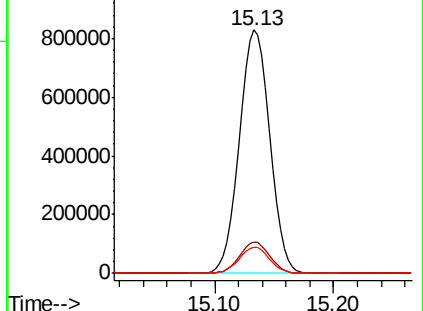
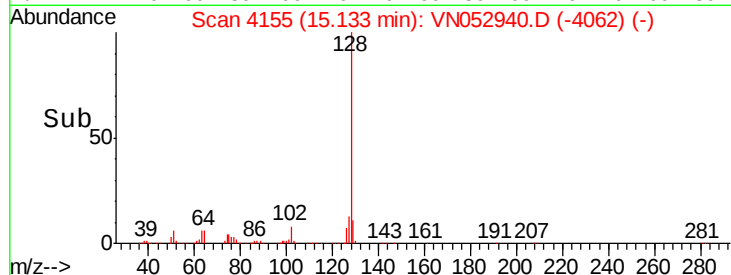
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.873 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN052940.D

Acq: 17 Dec 2018 20:58

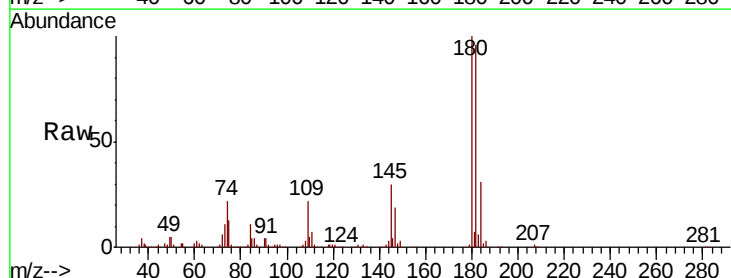
Tgt Ion:180 Resp: 579010

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.7

145 30.0 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

