

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055362.D
 Acq On : 2 May 2019 20:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 03 05:17:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	407777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	660858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	560978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	270299	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
35) Dibromofluoromethane	7.59	113	215823	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	10.09	98	759484	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.40	95	261262	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	230038	46.043	ug/l	100
3) Chloromethane	2.06	50	258593	41.799	ug/l	99
4) Vinyl Chloride	2.19	62	232241	46.571	ug/l	98
5) Bromomethane	2.56	94	124354	47.077	ug/l	98
6) Chloroethane	2.71	64	126320	46.759	ug/l	99
7) Trichlorofluoromethane	3.02	101	326928	46.104	ug/l	100
8) Diethyl Ether	3.41	74	130657	52.665	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	194639	46.094	ug/l	99
10) Methyl Iodide	3.96	142	278495	46.864	ug/l	100
11) Tert butyl alcohol	4.78	59	97452	319.072	ug/l	100
12) 1,1-Dichloroethene	3.74	96	191417	47.520	ug/l	98
13) Acrolein	3.61	56	49817	208.855	ug/l	99
14) Allyl chloride	4.33	41	406369	48.710	ug/l	99
15) Acrylonitrile	4.99	53	481702	280.589	ug/l	99
16) Acetone	3.82	43	362461	218.060	ug/l	100
17) Carbon Disulfide	4.06	76	447908	42.608	ug/l	99
18) Methyl Acetate	4.33	43	247381	61.329	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	625157	55.206	ug/l	100
20) Methylene Chloride	4.55	84	228649	45.066	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	199079	46.665	ug/l	99
22) Diisopropyl ether	5.96	45	867639	52.343	ug/l	99
23) Vinyl Acetate	5.90	43	3070555	282.636	ug/l	99
24) 1,1-Dichloroethane	5.85	63	441302	49.966	ug/l	99
25) 2-Butanone	6.84	43	596073	280.407	ug/l	99
26) 2,2-Dichloropropane	6.83	77	265815	43.585	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	241927	49.868	ug/l	100
28) Bromochloromethane	7.20	49	220824	49.602	ug/l	98
29) Tetrahydrofuran	7.21	42	404201	296.950	ug/l	99
30) Chloroform	7.37	83	406093	48.504	ug/l	100
31) Cyclohexane	7.65	56	378533	45.111	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	333352	49.059	ug/l	99
36) 1,1-Dichloropropene	7.80	75	295089	46.618	ug/l	99
37) Ethyl Acetate	6.93	43	266546	54.942	ug/l	97
38) Carbon Tetrachloride	7.78	117	276029	45.205	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	310896	46.194	ug/l	98
40) Benzene	8.04	78	901459	48.309	ug/l	99
41) Methacrylonitrile	7.18	41	153867	58.474	ug/l	95
42) 1,2-Dichloroethane	8.13	62	318090	48.129	ug/l	99
43) Isopropyl Acetate	8.17	43	466807	59.874	ug/l	98
44) Trichloroethene	8.84	130	224102	47.109	ug/l	99
45) 1,2-Dichloropropane	9.12	63	263458	48.952	ug/l	100
46) Dibromomethane	9.21	93	142849	48.558	ug/l	98
47) Bromodichloromethane	9.40	83	309832	49.093	ug/l	98
48) Methyl methacrylate	9.20	41	212894	55.546	ug/l	97
49) 1,4-Dioxane	9.20	88	46793	1181.024	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1281288	291.895	ug/l	99
52) Toluene	10.16	92	521524	48.709	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	293690	53.606	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	351366	51.438	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	204671	51.478	ug/l	98
56) Ethyl methacrylate	10.43	69	281877	57.600	ug/l	99
57) 1,3-Dichloropropane	10.71	76	355883	51.024	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	378208	249.075	ug/l	100
59) 2-Hexanone	10.75	43	810339	295.046	ug/l	99
60) Dibromochloromethane	10.90	129	210022	51.685	ug/l	98
61) 1,2-Dibromoethane	11.01	107	194285	52.869	ug/l	99
64) Tetrachloroethene	10.63	164	218007	47.522	ug/l	98
65) Chlorobenzene	11.44	112	534088	48.696	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	206011	47.969	ug/l	100
67) Ethyl Benzene	11.51	91	975235	49.240	ug/l	98
68) m/p-Xylenes	11.62	106	710410	100.489	ug/l	99
69) o-Xylene	11.95	106	350042	49.955	ug/l	100
70) Styrene	11.96	104	584280	54.307	ug/l	100
71) Bromoform	12.13	173	133077	55.843	ug/l #	98
73) Isopropylbenzene	12.25	105	940552	51.253	ug/l	99
74) N-amyl acetate	12.07	43	351096	59.226	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	249309	54.777	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	300458	71.039	ug/l #	100
77) Bromobenzene	12.53	156	224794	51.062	ug/l	98
78) n-propylbenzene	12.59	91	1038835	43.782	ug/l	100
79) 2-Chlorotoluene	12.67	91	636550	50.896	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	794607	43.879	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	59749	49.019	ug/l	95
82) 4-Chlorotoluene	12.77	91	620967	45.011	ug/l	99
83) tert-Butylbenzene	12.99	119	657614	51.386	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	784035	48.410	ug/l	100
85) sec-Butylbenzene	13.17	105	846915	43.029	ug/l	99
86) p-Isopropyltoluene	13.29	119	750239	46.376	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	370613	47.948	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	355933	48.898	ug/l	99
89) n-Butylbenzene	13.61	91	589966	51.322	ug/l	100
90) Hexachloroethane	13.87	117	119976	46.736	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	369488	48.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38530	63.403	ug/l	98

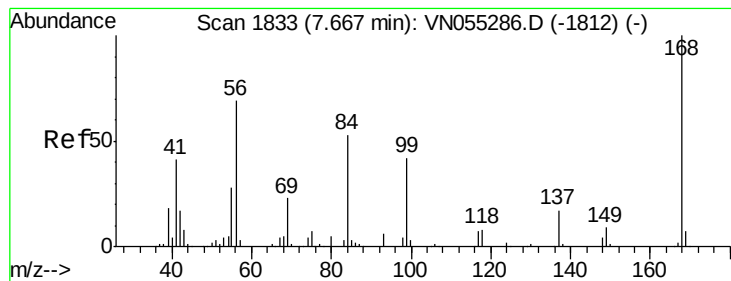
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152761	50.541	ug/l	98
94) Hexachlorobutadiene	15.01	225	123233	53.663	ug/l	96
95) Naphthalene	15.13	128	322870	50.268	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	158206	53.024	ug/l	99

(#) = 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: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

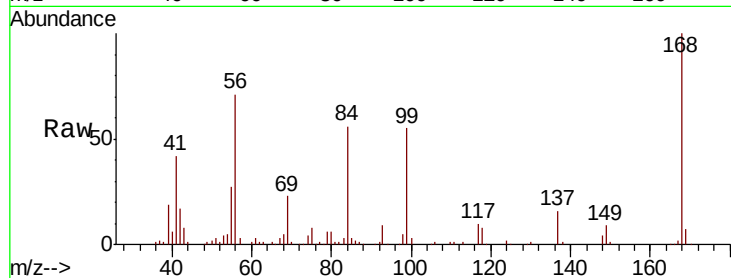
VSTDCCC050

Tot Ion:168 Resp: 407777

Ion Ratio Lower Upper

168 100

99 54.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

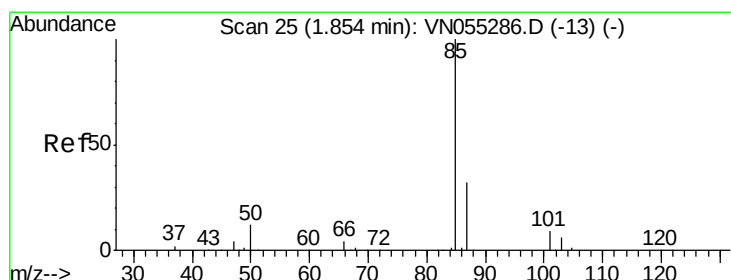
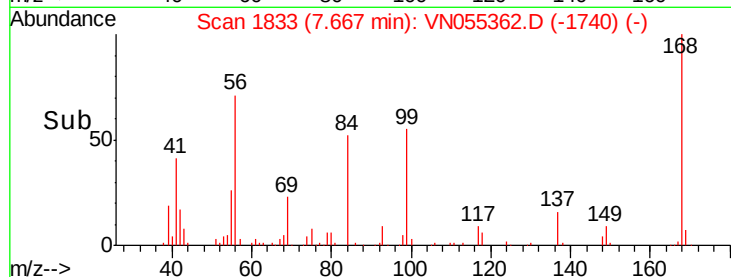
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.043 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055362.D

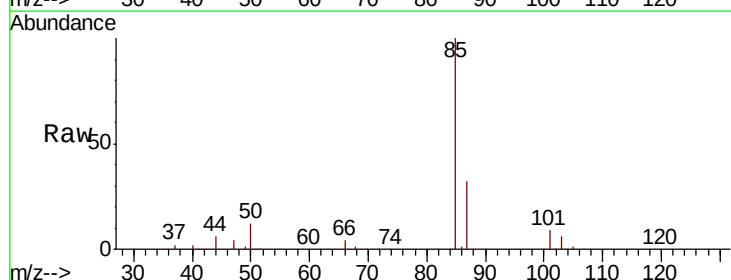
Acq: 2 May 2019 20:56

Tgt Ion: 85 Resp: 230038

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

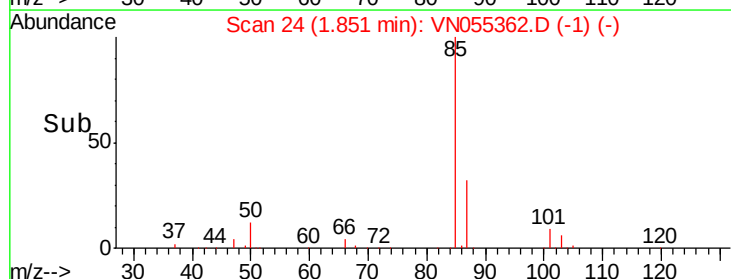
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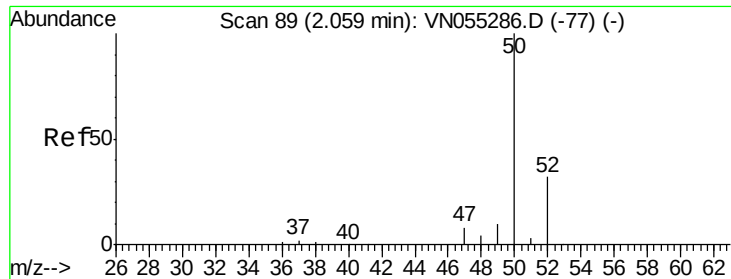
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 41.799 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

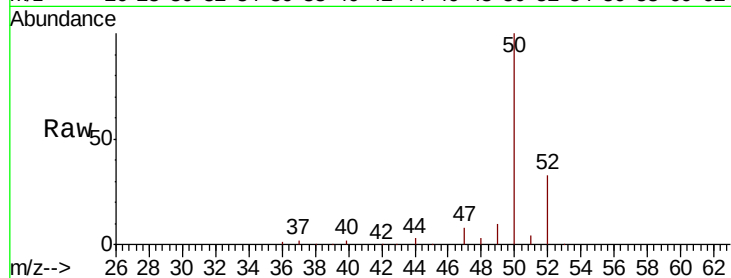
VSTDCCC050

Tot Ion: 50 Resp: 258593

Ion Ratio Lower Upper

50 100

52 32.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

200000

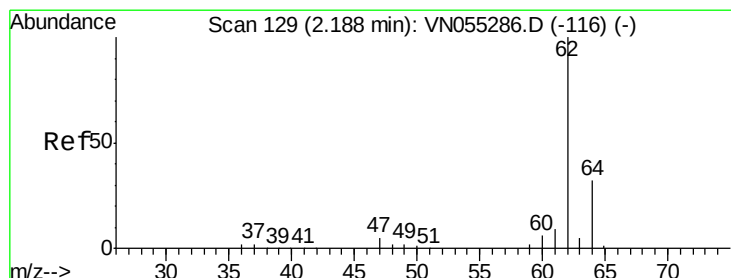
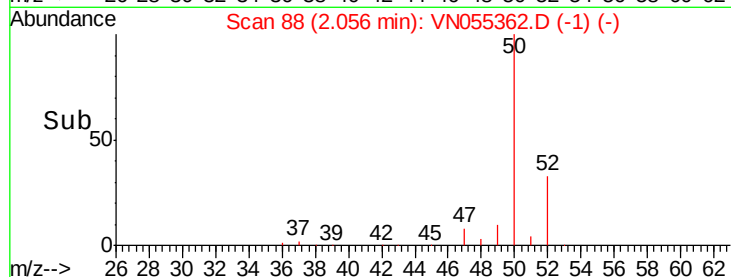
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.571 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055362.D

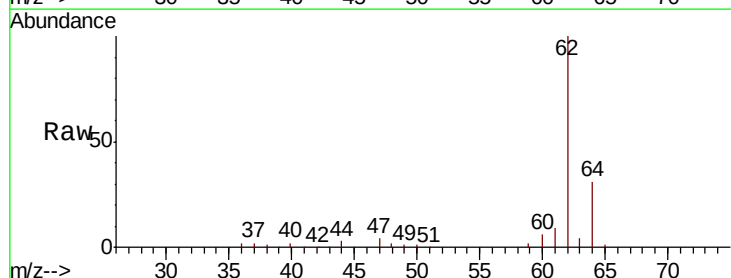
Acq: 2 May 2019 20:56

Tgt Ion: 62 Resp: 232241

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

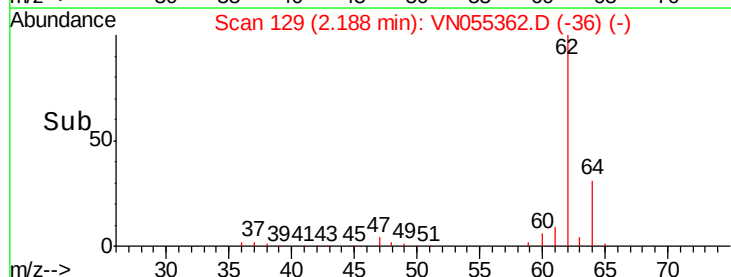
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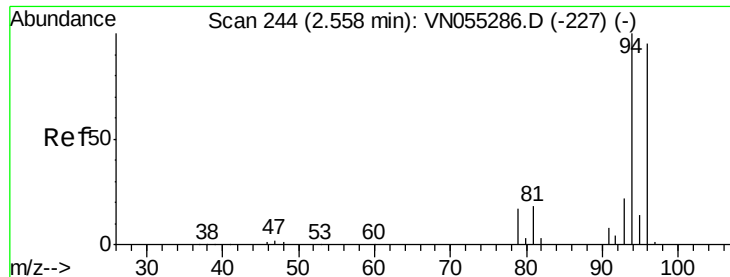
100000

50000

0

Time-->

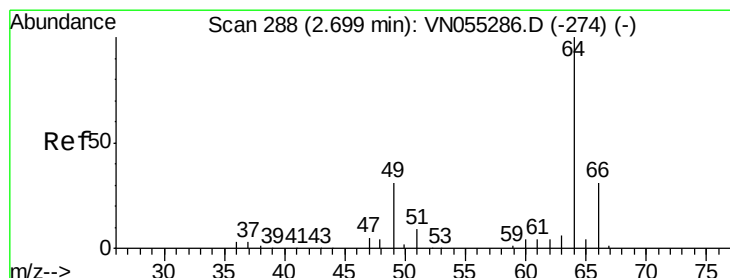
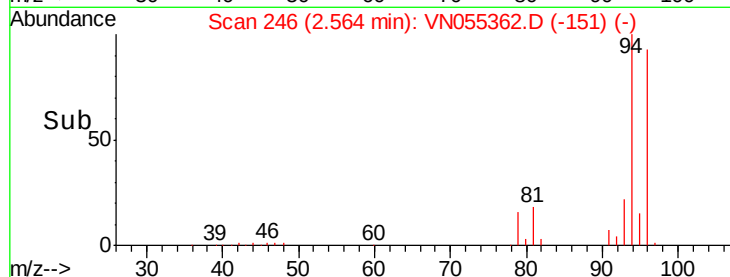
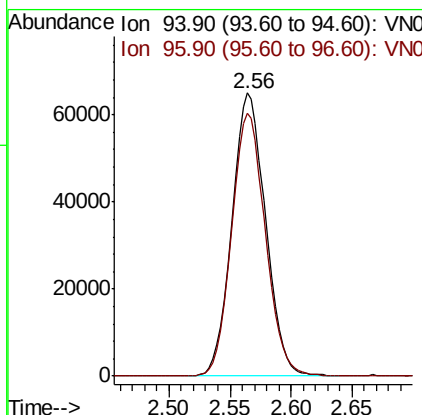
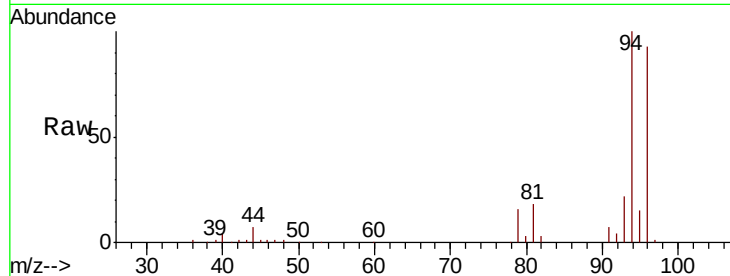




#5
Bromomethane
Concen: 47.077 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

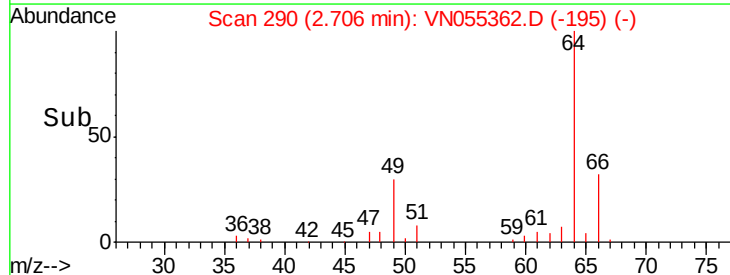
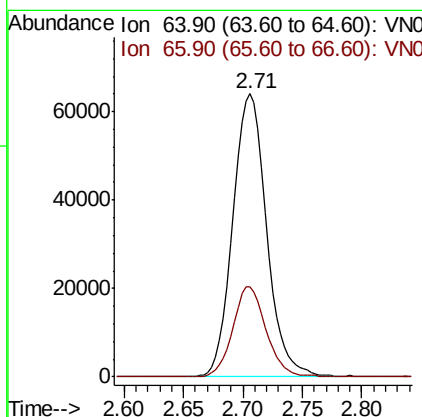
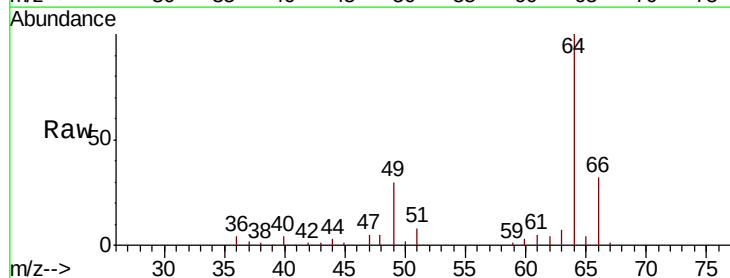
Instrument :
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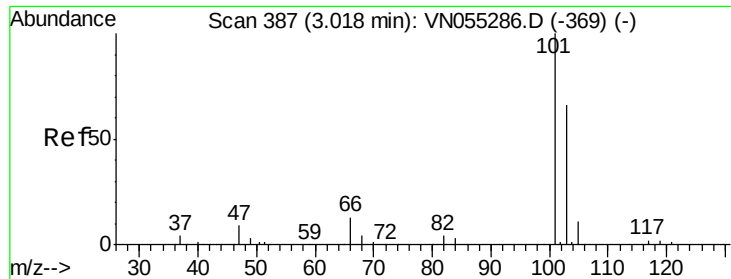
Tot Ion: 94 Resp: 124354
Ion Ratio Lower Upper
94 100
96 92.8 76.0 114.0



#6
Chloroethane
Concen: 46.759 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Tgt Ion: 64 Resp: 126320
Ion Ratio Lower Upper
64 100
66 32.0 25.0 37.4



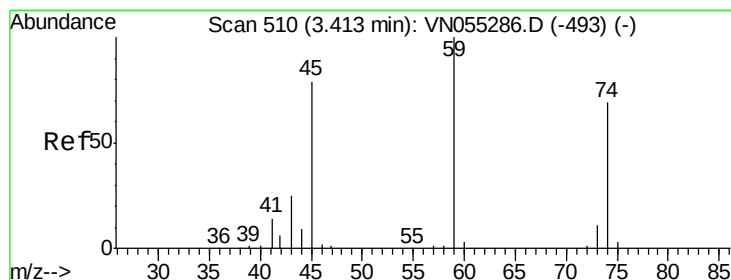
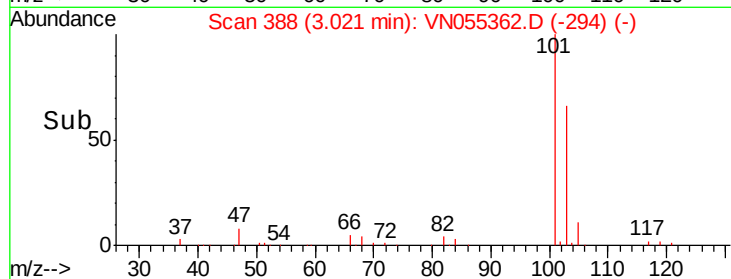
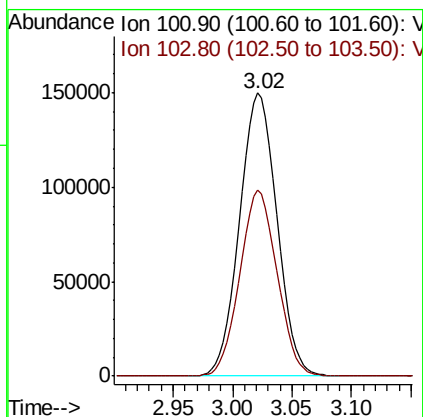
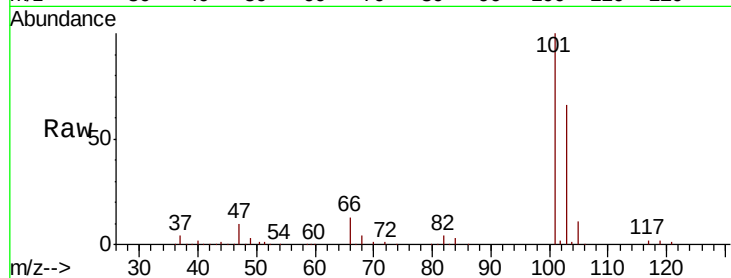


#7

Trichlorofluoromethane
 Concen: 46.104 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

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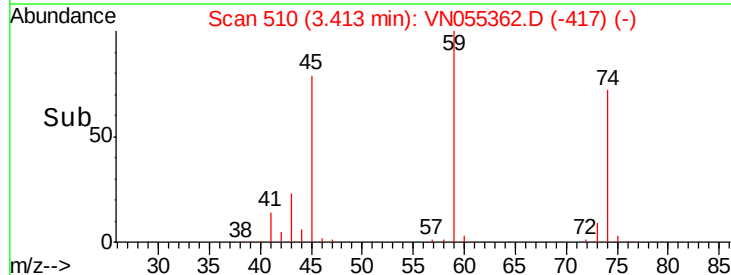
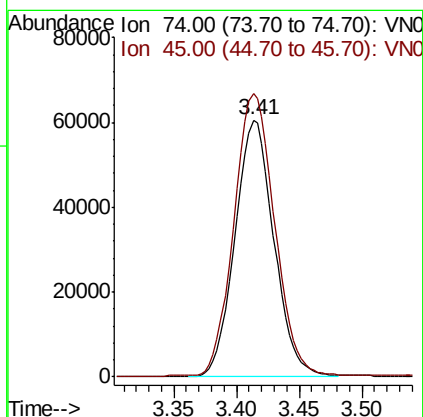
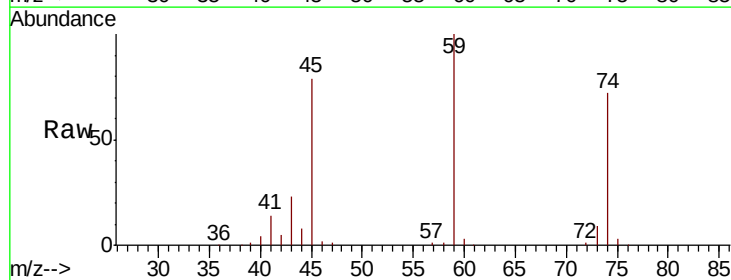
Tot Ion:101 Resp: 326928
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0

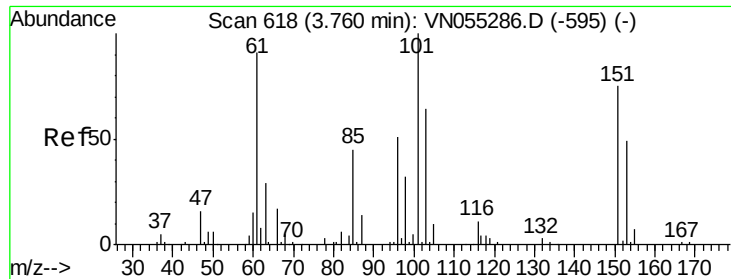


#8

Diethyl Ether
 Concen: 52.665 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Tgt Ion: 74 Resp: 130657
 Ion Ratio Lower Upper
 74 100
 45 114.3 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.094 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

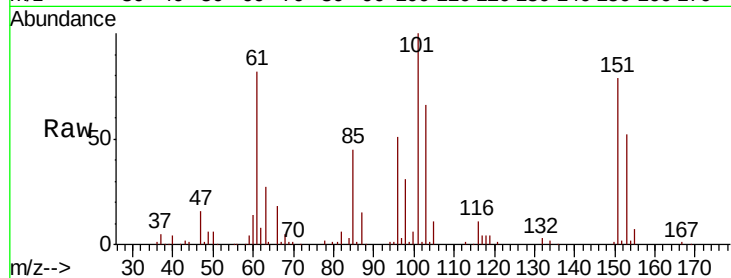
Tot Ion:101 Resp: 194639

Ion Ratio Lower Upper

101 100

85 45.0 35.7 53.5

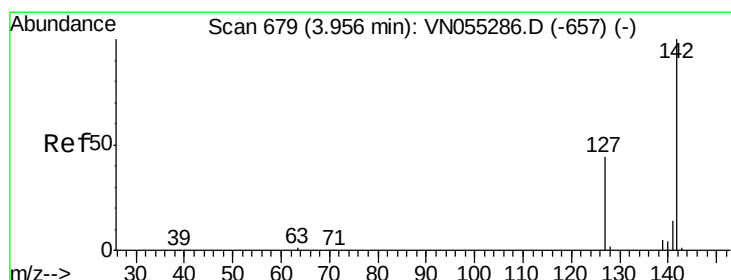
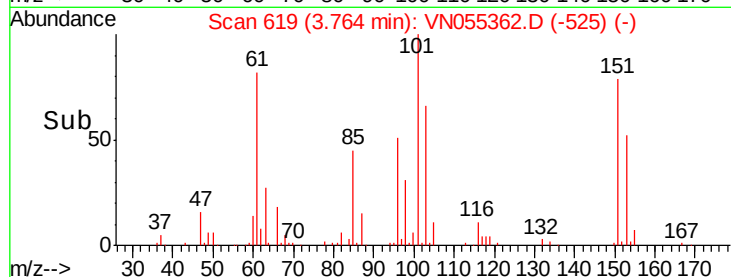
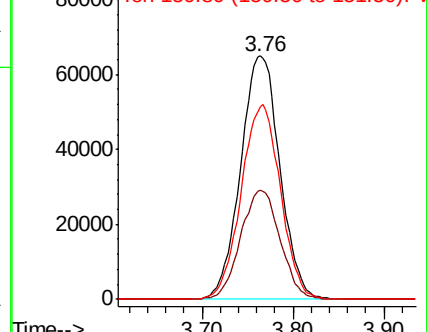
151 79.9 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.864 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055362.D

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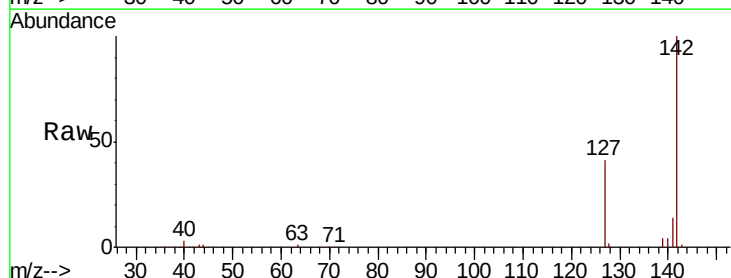
Tgt Ion:142 Resp: 278495

Ion Ratio Lower Upper

142 100

127 42.7 34.4 51.6

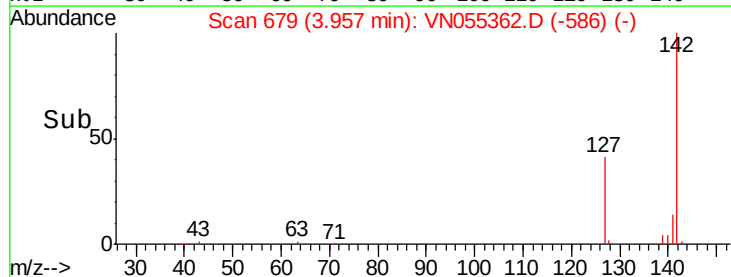
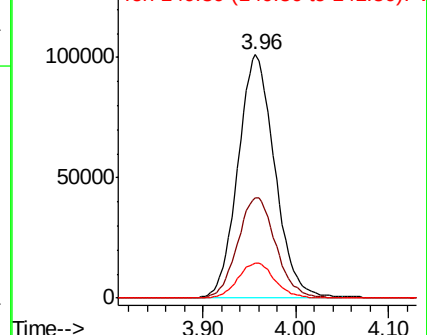
141 14.6 11.5 17.3

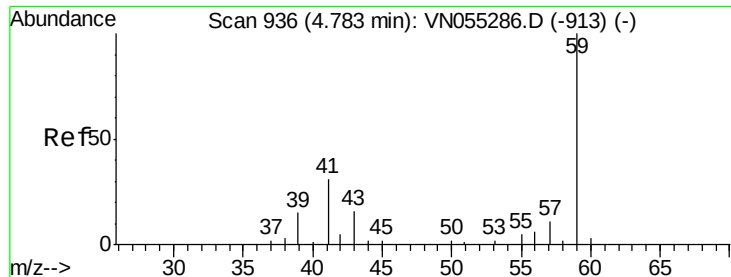


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



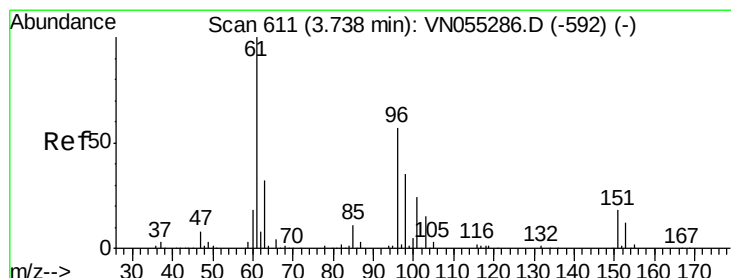
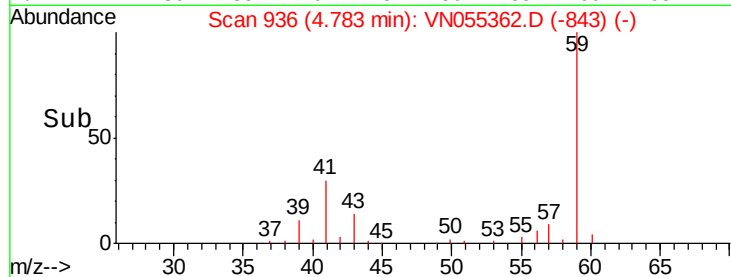
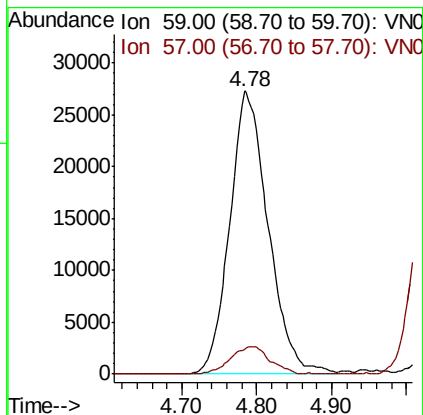
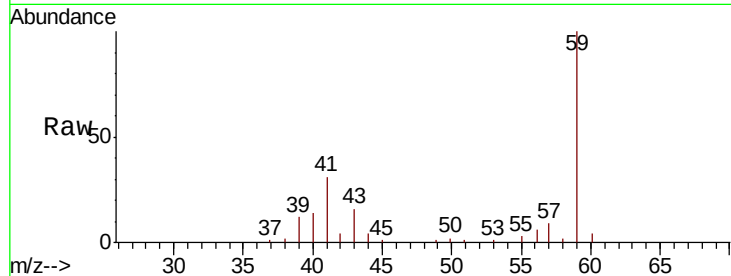


#11

Tert butyl alcohol
 Concen: 319.072 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

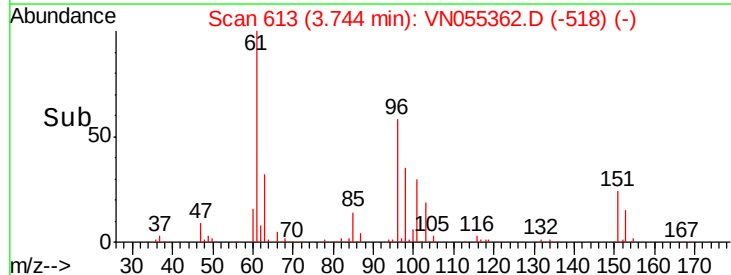
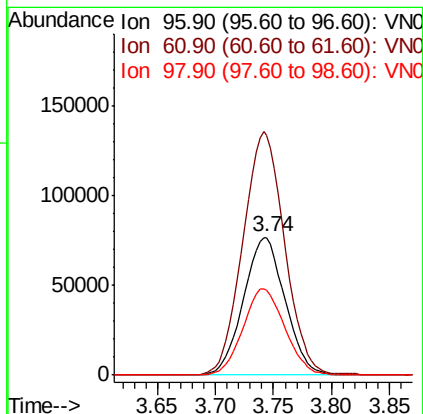
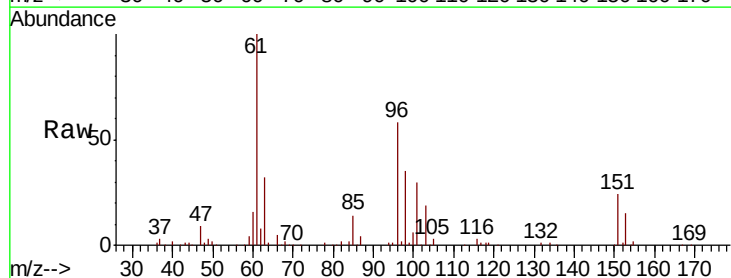
Tot Ion: 59 Resp: 97452
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.2

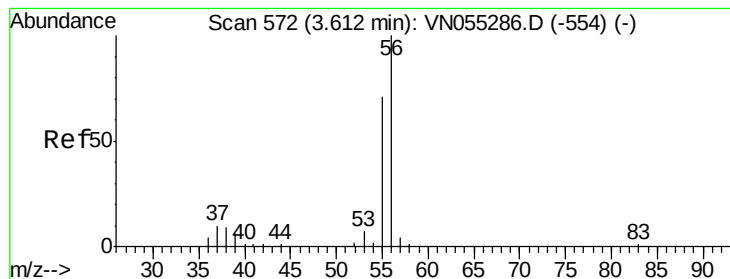


#12

1,1-Dichloroethene
 Concen: 47.520 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Tgt Ion: 96 Resp: 191417
 Ion Ratio Lower Upper
 96 100
 61 173.8 140.9 211.3
 98 61.1 50.0 75.0





#13

Acrolein

Concen: 208.855 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

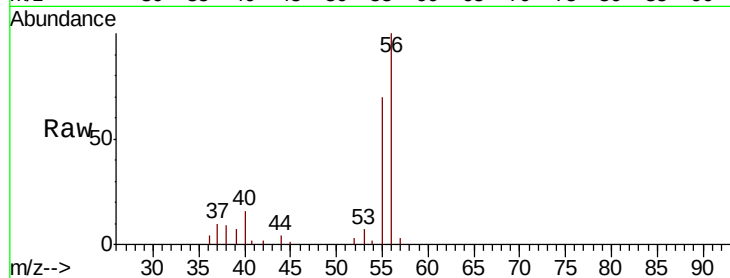
VSTDCCC050

Tot Ion: 56 Resp: 49817

Ion Ratio Lower Upper

56 100

55 70.8 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

20000

15000

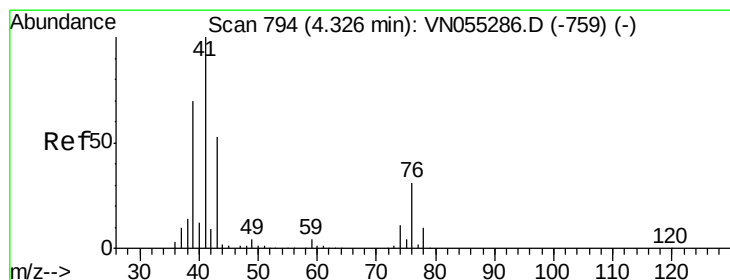
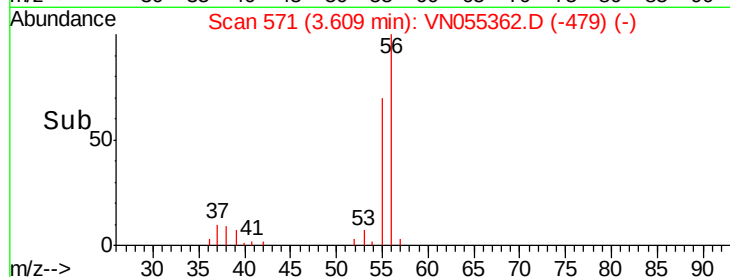
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 48.710 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

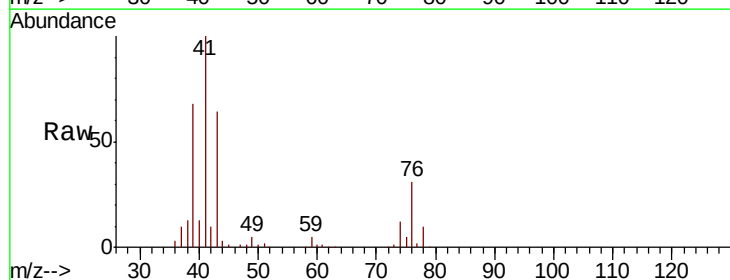
Tgt Ion: 41 Resp: 406369

Ion Ratio Lower Upper

41 100

39 65.6 53.0 79.6

76 28.2 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

150000

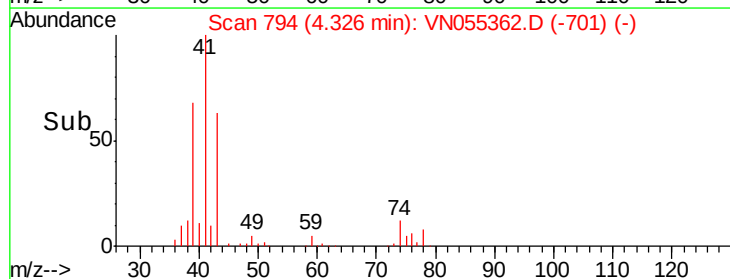
100000

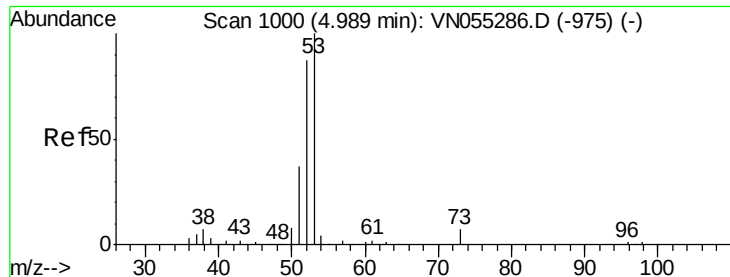
50000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 280.589 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

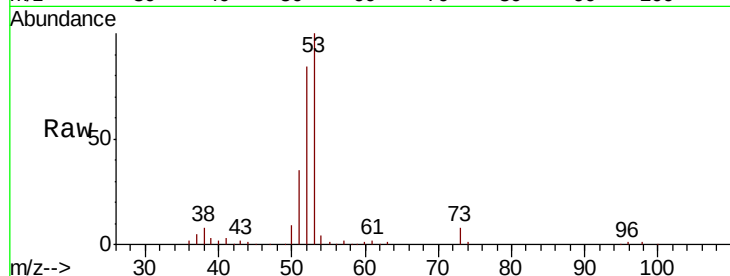
Tot Ion: 53 Resp: 481702

Ion Ratio Lower Upper

53 100

52 83.8 66.5 99.7

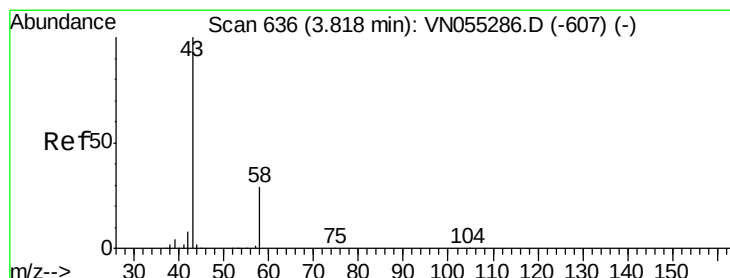
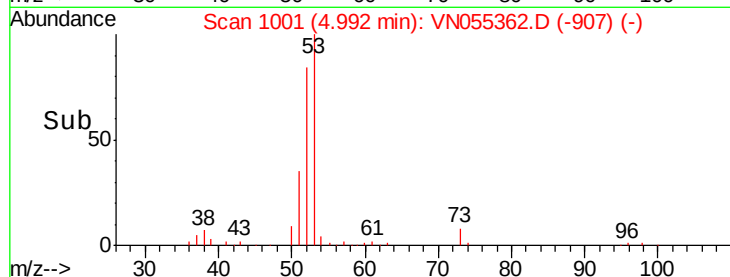
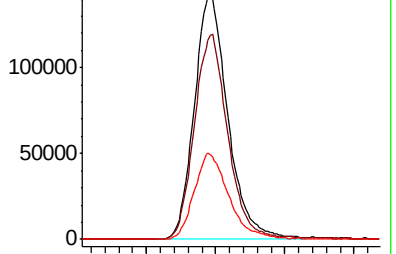
51 36.1 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN055286.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN055286.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN055286.D (-975) (-)



#16

Acetone

Concen: 218.060 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055362.D

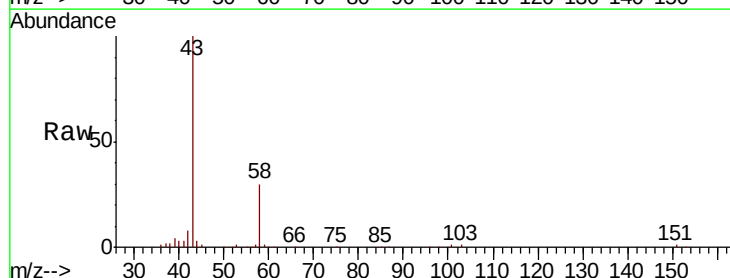
Acq: 2 May 2019 20:56

Tgt Ion: 43 Resp: 362461

Ion Ratio Lower Upper

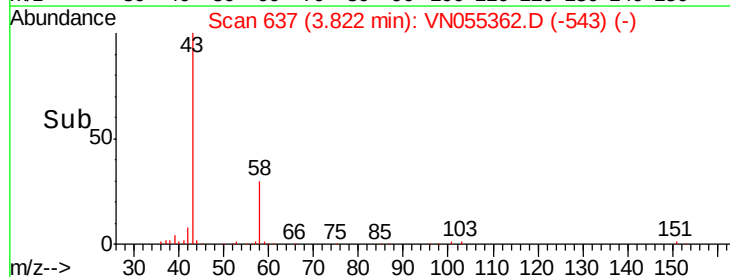
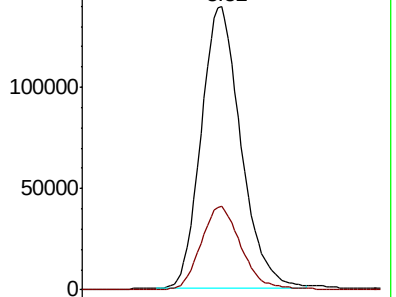
43 100

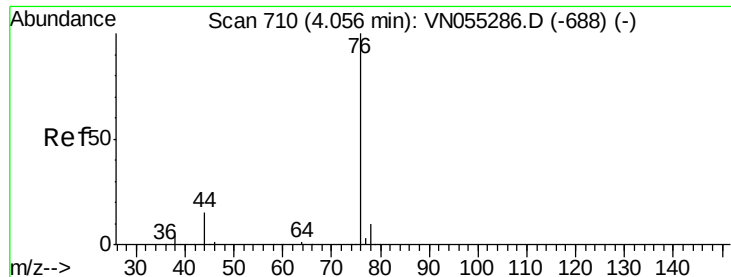
58 29.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-607) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-607) (-)





#17

Carbon Disulfide

Concen: 42.608 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

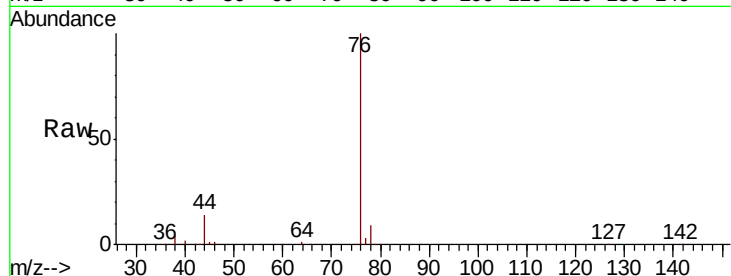
VSTDCCC050

Tot Ion: 76 Resp: 447908

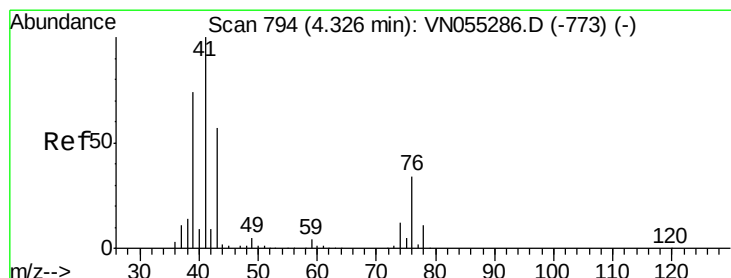
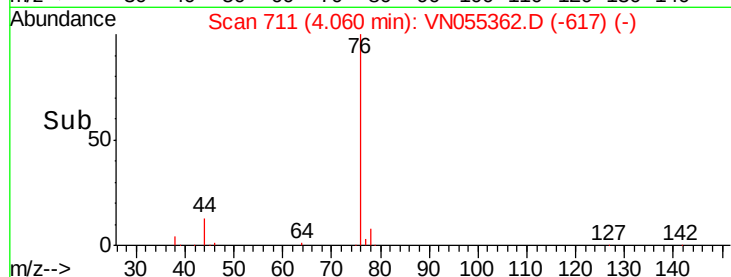
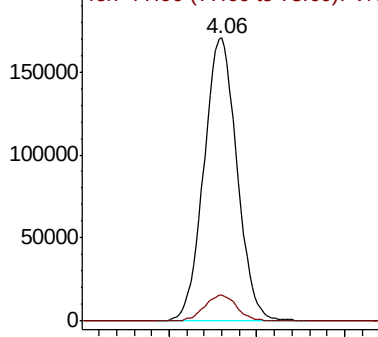
Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 61.329 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055362.D

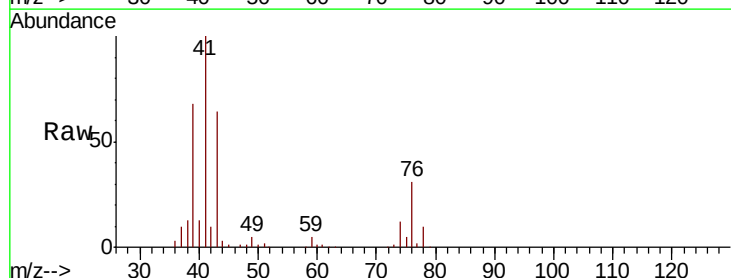
Acq: 2 May 2019 20:56

Tgt Ion: 43 Resp: 247381

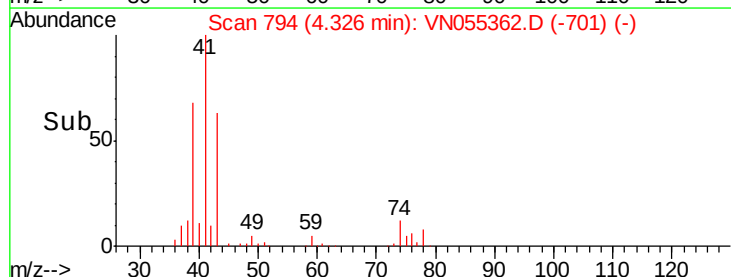
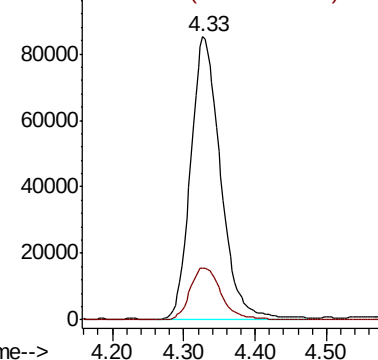
Ion Ratio Lower Upper

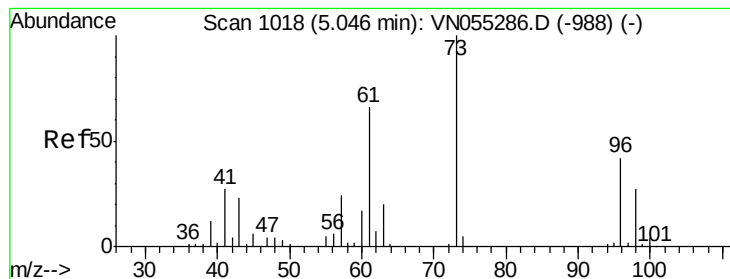
43 100

74 19.1 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#19

Methyl tert-butyl Ether

Concen: 55.206 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

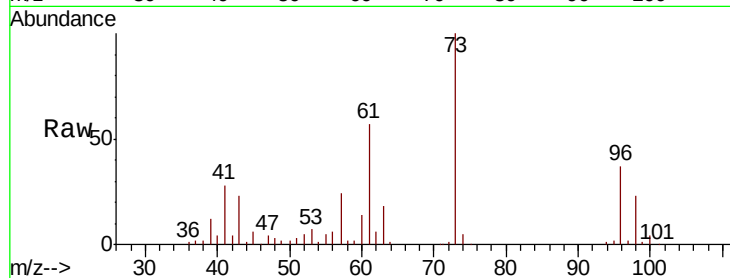
VSTDCCC050

Tot Ion: 73 Resp: 625157

Ion Ratio Lower Upper

73 100

57 23.8 19.1 28.7



Abundance Ion 73.00 (72.70 to 73.70): VN055286.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN055286.D (-988) (-)

5.05

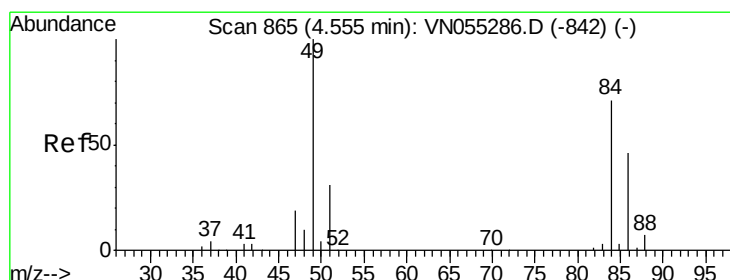
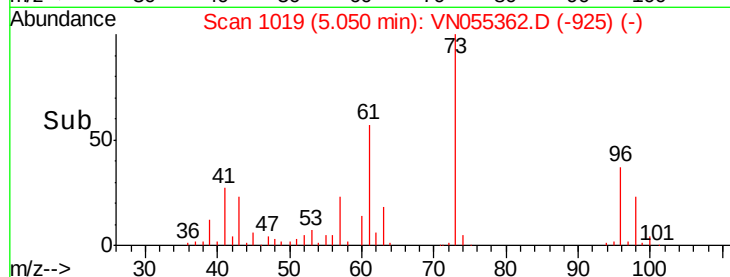
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 45.066 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Tgt Ion: 84 Resp: 228649

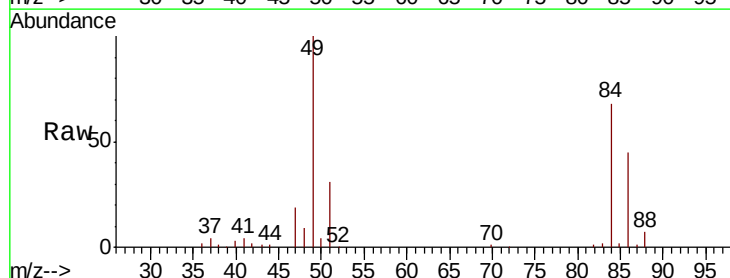
Ion Ratio Lower Upper

84 100

49 147.2 112.4 168.6

51 44.9 34.6 51.8

86 65.9 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)

Ion 48.90 (48.60 to 49.60): VN055286.D (-842) (-)

Ion 50.90 (50.60 to 51.60): VN055286.D (-842) (-)

Ion 85.90 (85.60 to 86.60): VN055286.D (-842) (-)

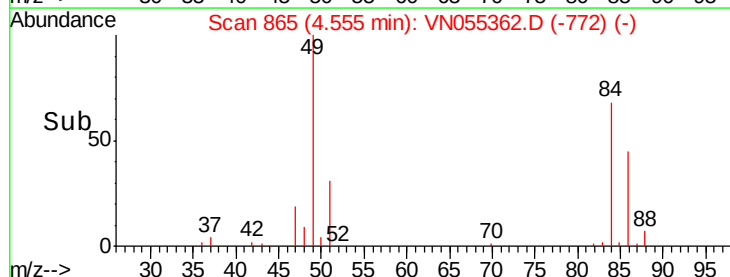
150000

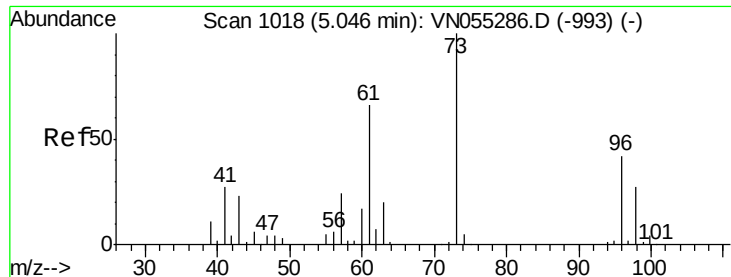
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 46.665 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

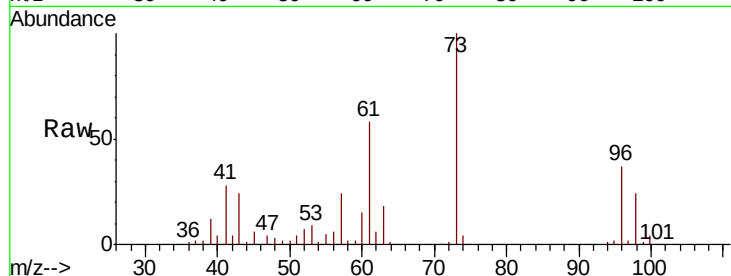
Tot Ion: 96 Resp: 199079

Ion Ratio Lower Upper

96 100

61 155.9 126.2 189.4

98 64.7 52.2 78.2

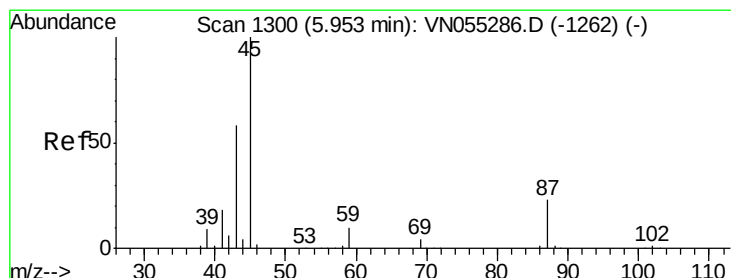
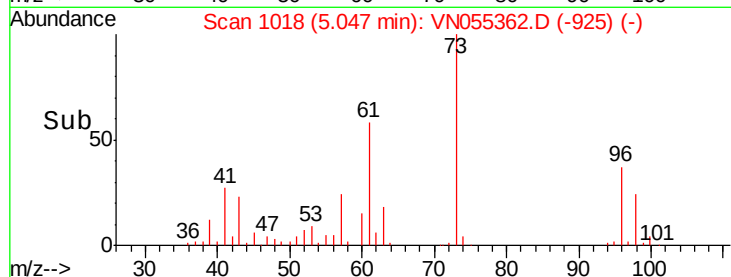
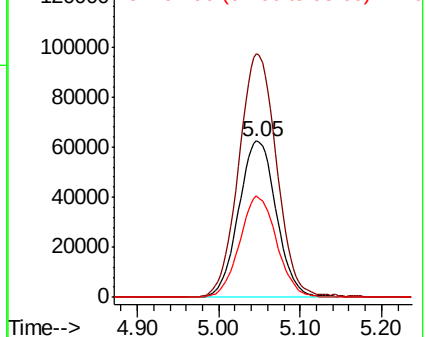


Abundance

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



#22

Diisopropyl ether

Concen: 52.343 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Tgt Ion: 45 Resp: 867639

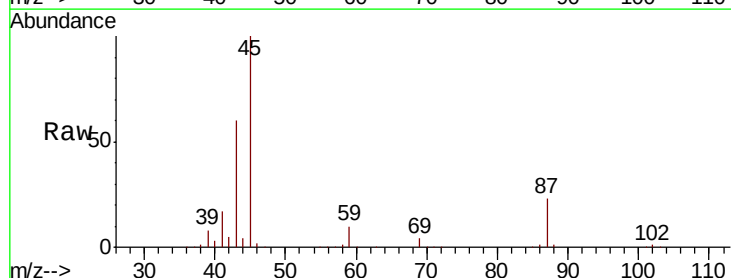
Ion Ratio Lower Upper

45 100

43 59.7 46.6 70.0

87 22.4 18.1 27.1

59 10.3 8.2 12.2



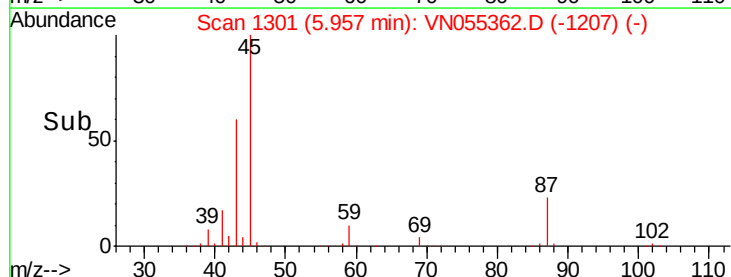
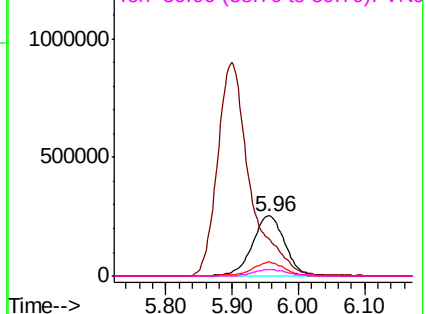
Abundance

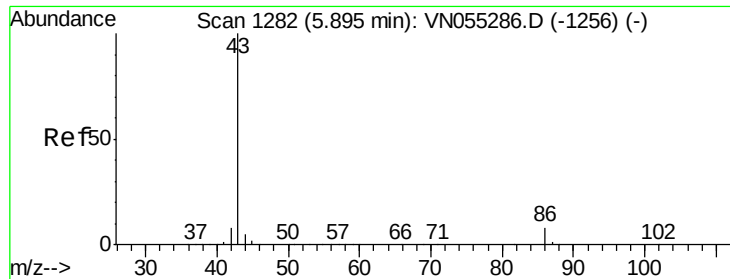
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 282.636 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

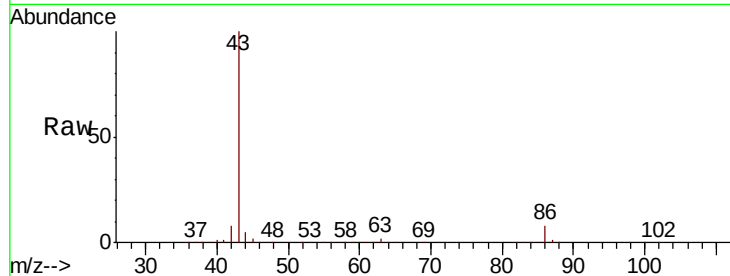
VSTDCCC050

Tot Ion: 43 Resp: 3070555

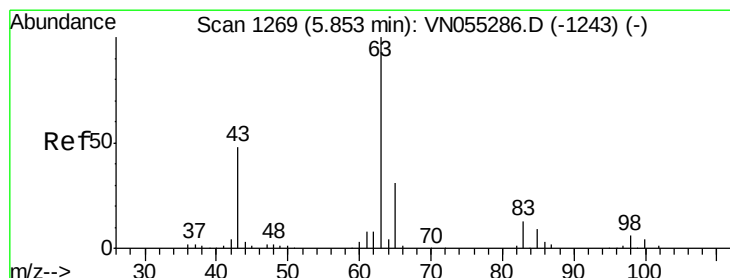
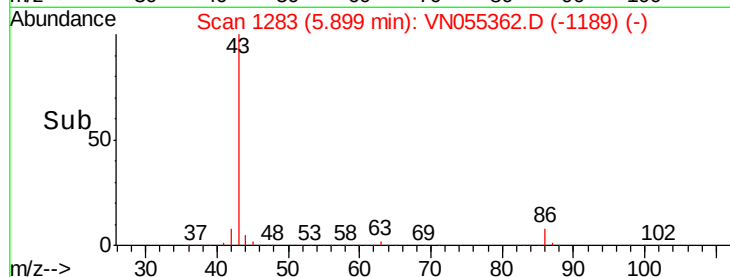
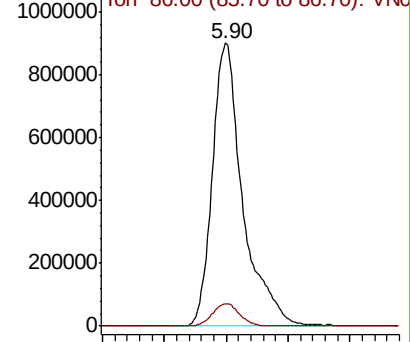
Ion Ratio Lower Upper

43 100

86 7.9 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN055362.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 49.966 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

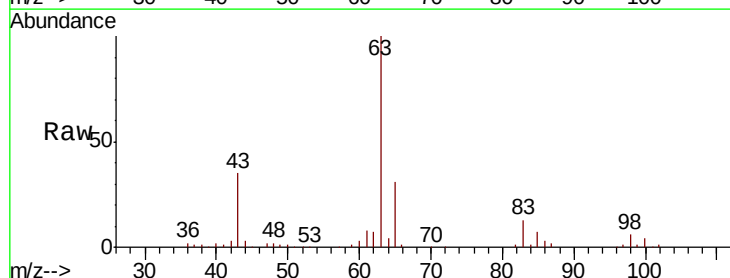
Tgt Ion: 63 Resp: 441302

Ion Ratio Lower Upper

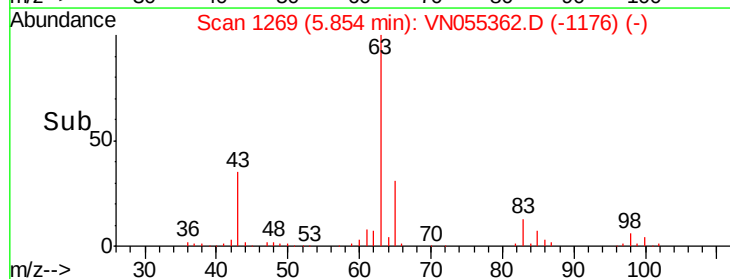
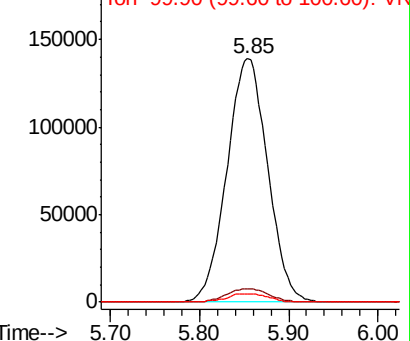
63 100

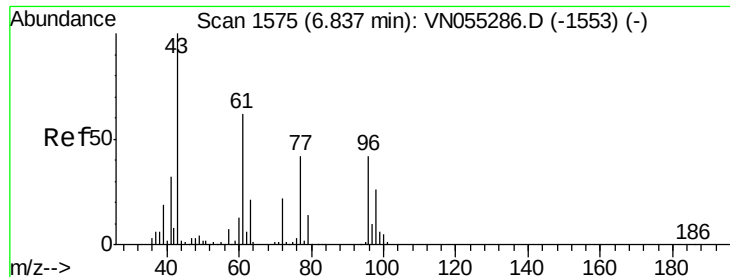
98 5.6 3.0 9.0

100 3.5 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VN055362.D (-1176) (-)





#25

2-Butanone

Concen: 280.407 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

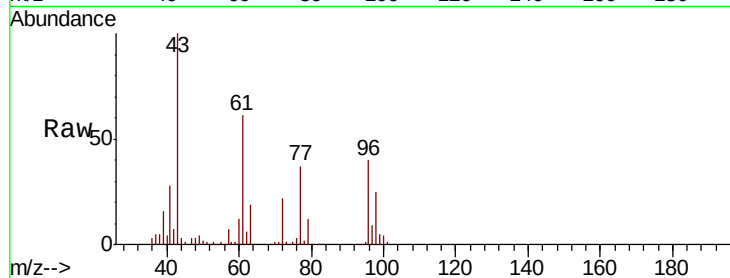
VSTDCCC050

Tot Ion: 43 Resp: 596073

Ion Ratio Lower Upper

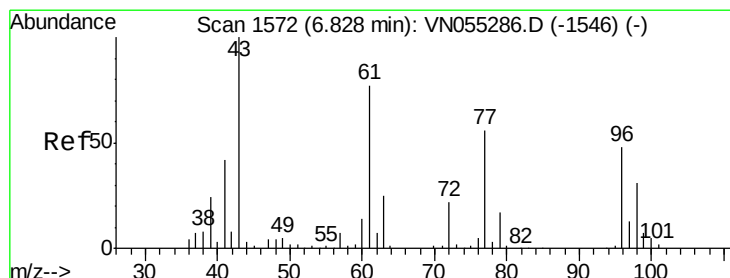
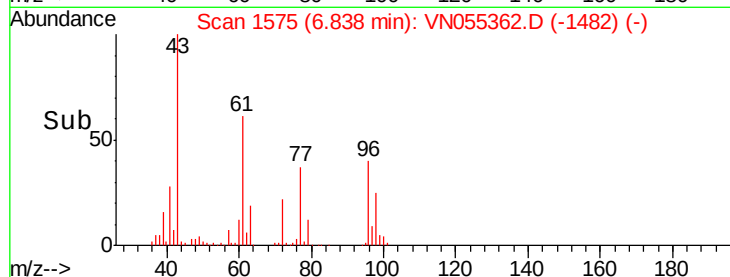
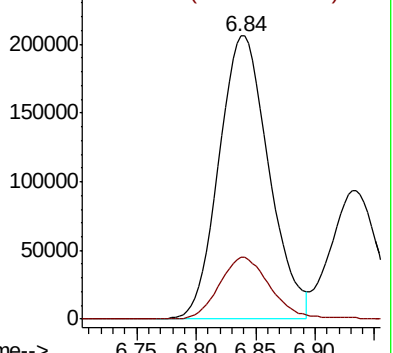
43 100

72 21.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 43.585 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055362.D

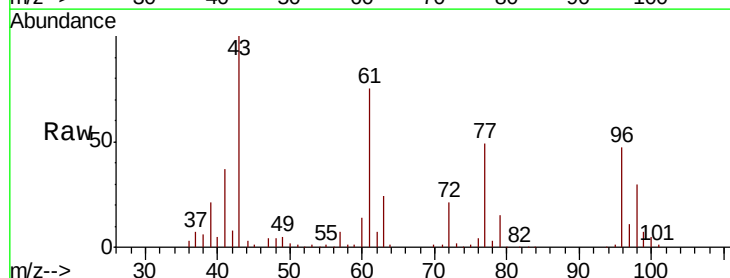
Acq: 2 May 2019 20:56

Tgt Ion: 77 Resp: 265815

Ion Ratio Lower Upper

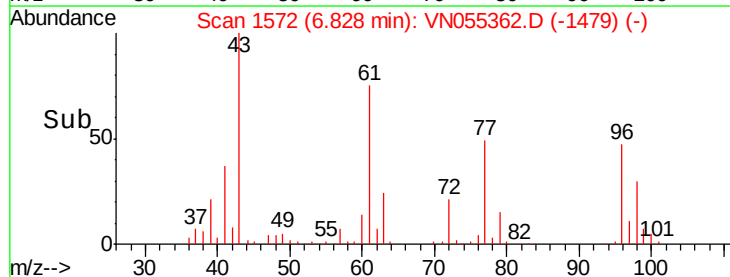
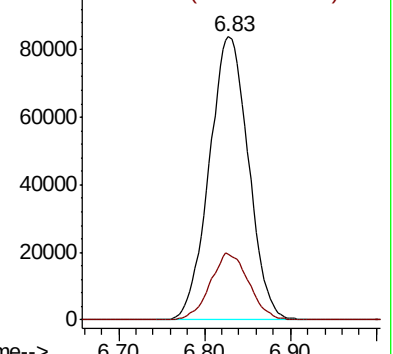
77 100

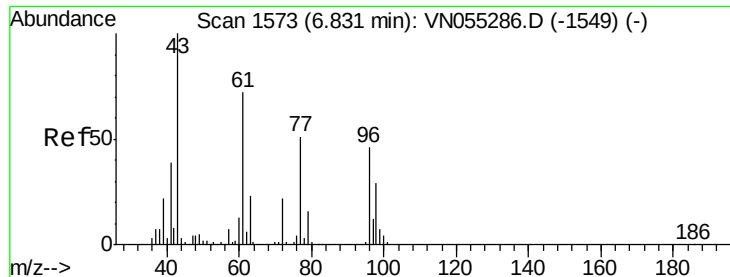
97 23.1 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

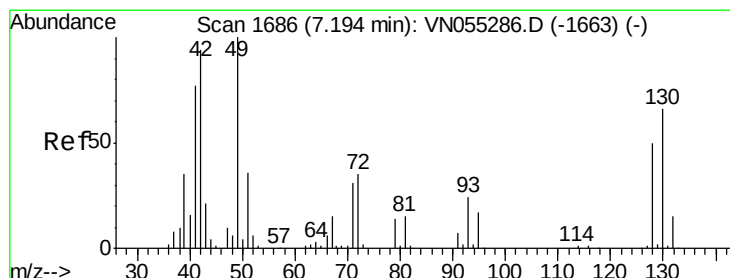
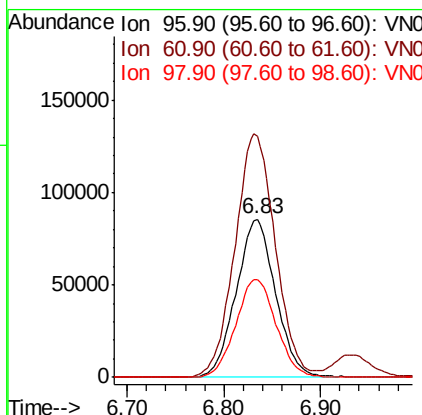
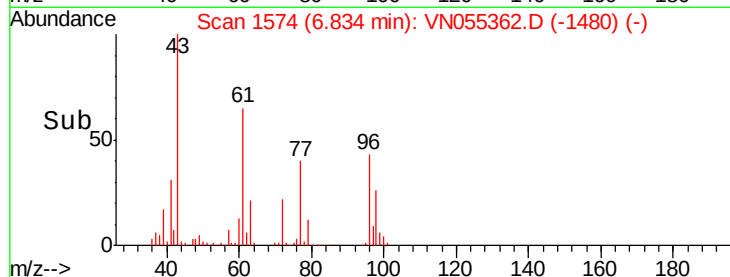
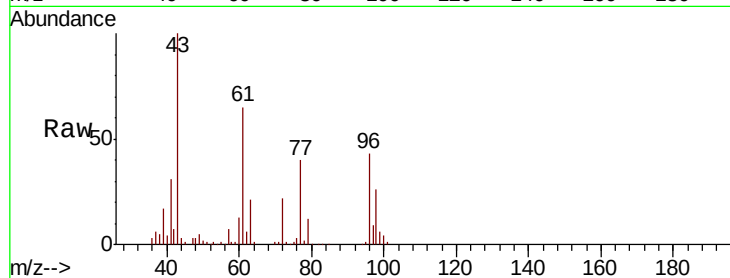




#27
 cis-1,2-Dichloroethene
 Concen: 49.868 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

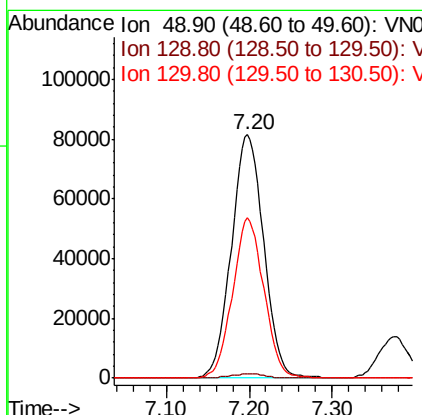
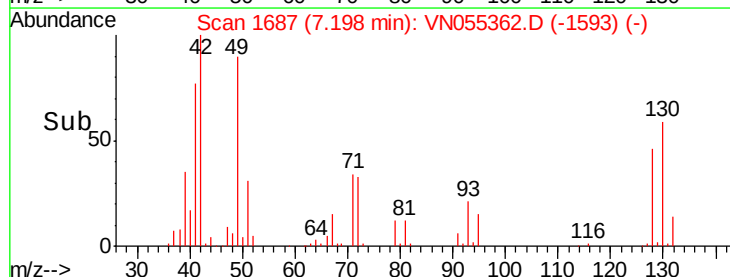
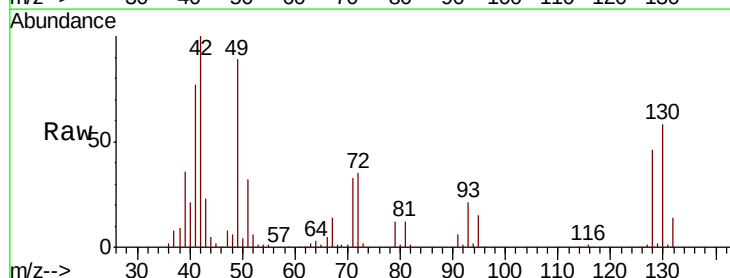
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

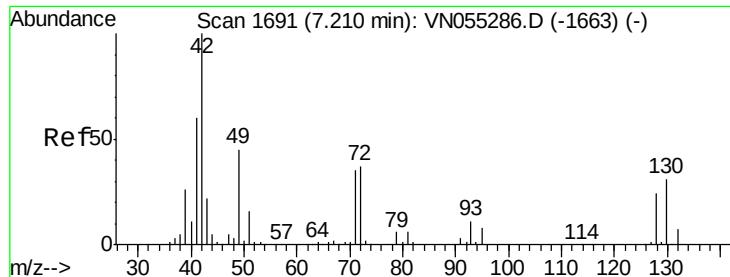
Tot Ion: 96 Resp: 241927
 Ion Ratio Lower Upper
 96 100
 61 157.8 0.0 316.2
 98 63.6 0.0 126.6



#28
 Bromochloromethane
 Concen: 49.602 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Tgt Ion: 49 Resp: 220824
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.4
 130 63.6 52.0 78.0

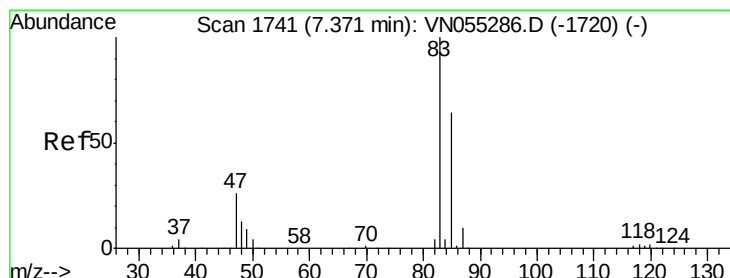
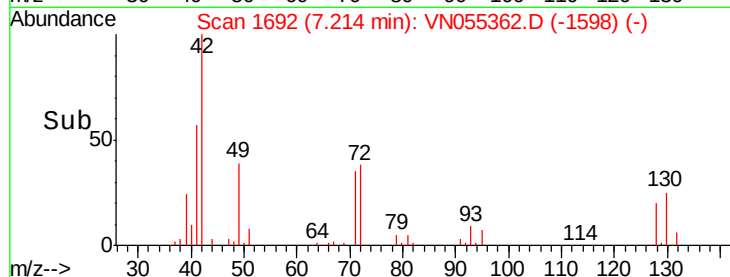
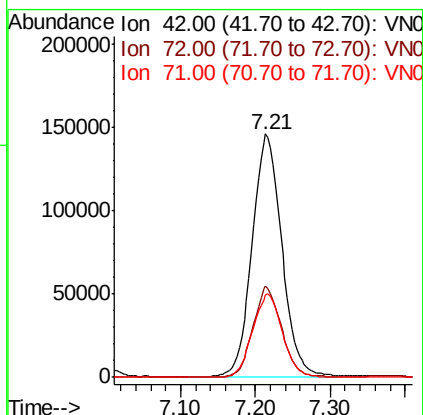
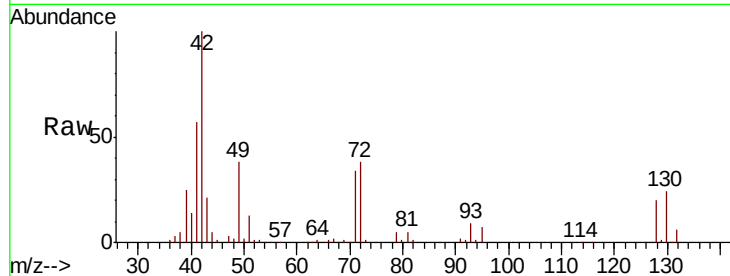




#29
Tetrahydrofuran
Concen: 296.950 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

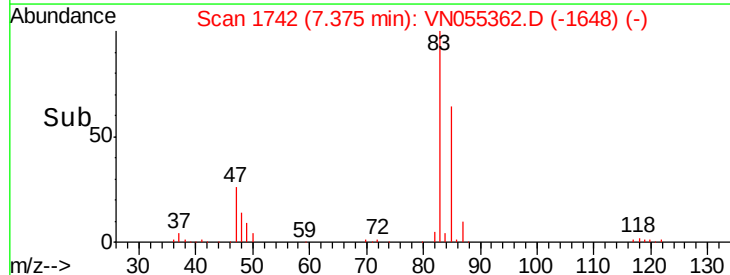
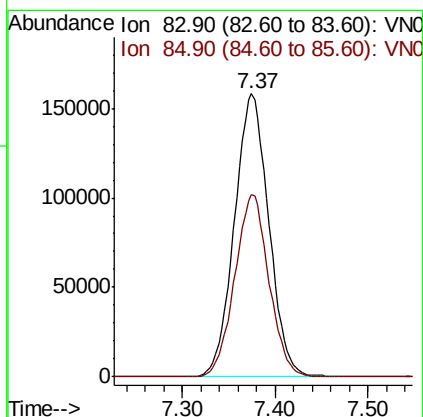
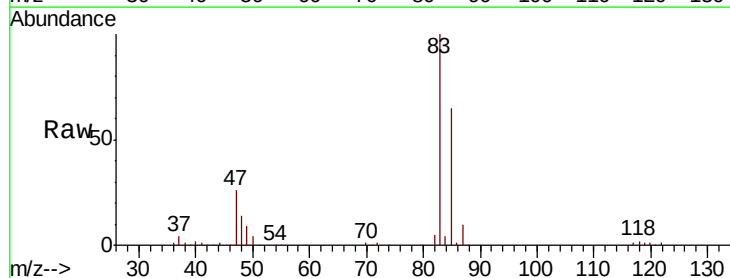
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

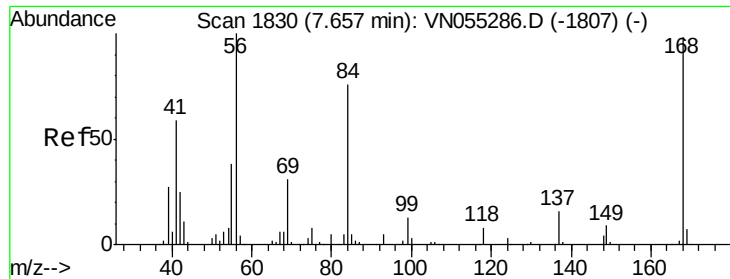
Tot Ion: 42 Resp: 404201
Ion Ratio Lower Upper
42 100
72 35.8 29.0 43.6
71 34.3 27.1 40.7



#30
Chloroform
Concen: 48.504 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Tgt Ion: 83 Resp: 406093
Ion Ratio Lower Upper
83 100
85 64.5 51.4 77.2

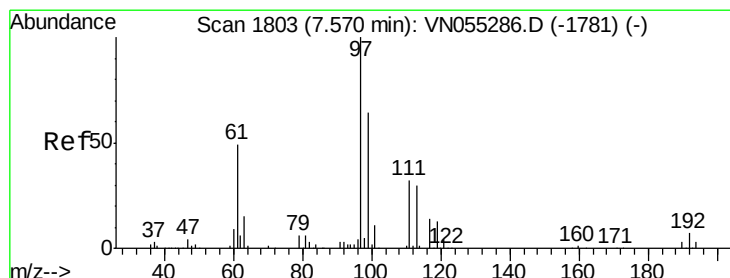
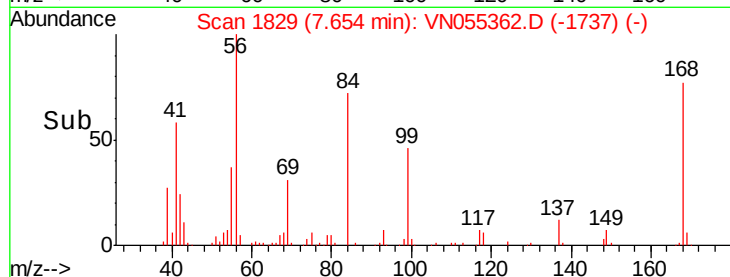
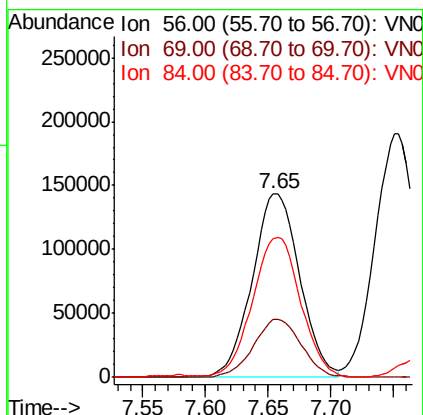
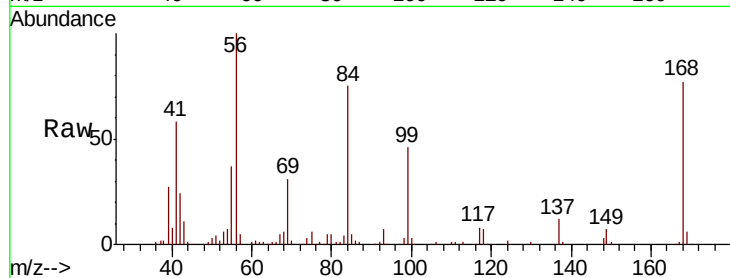




#31
Cyclohexane
Concen: 45.111 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

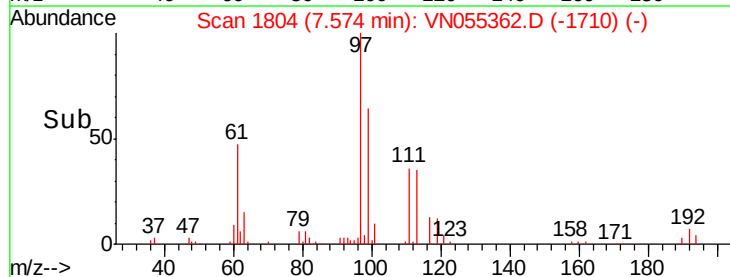
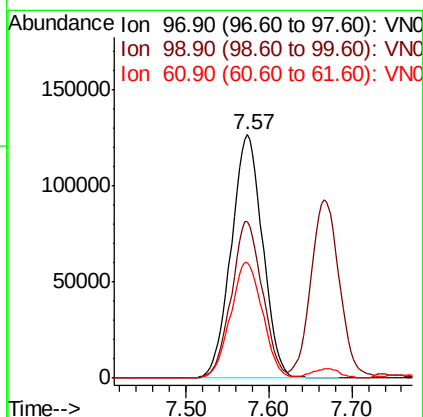
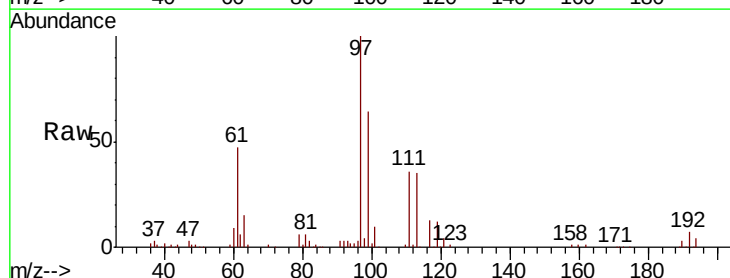
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

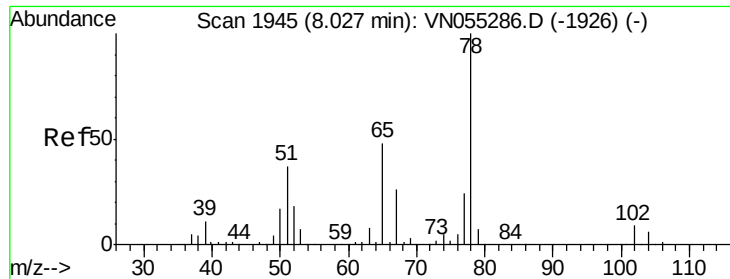
Tot Ion: 56 Resp: 378533
Ion Ratio Lower Upper
56 100
69 31.3 25.2 37.8
84 74.2 61.1 91.7



#32
1,1,1-Trichloroethane
Concen: 49.059 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Tgt Ion: 97 Resp: 333352
Ion Ratio Lower Upper
97 100
99 63.5 51.8 77.8
61 48.4 39.0 58.6

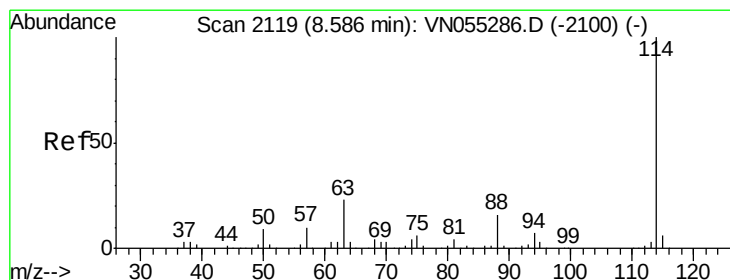
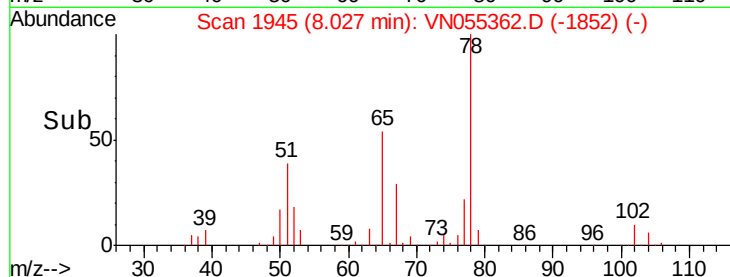
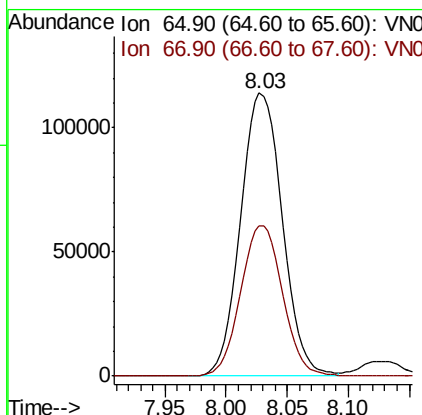
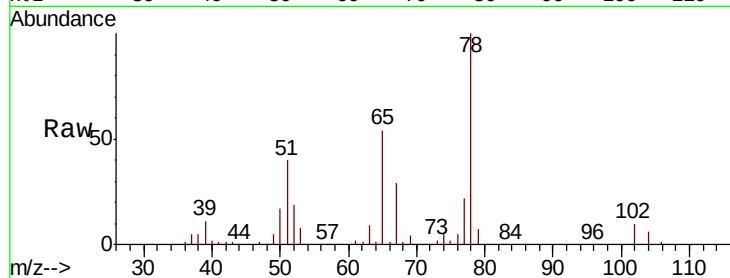




#33
 1,2-Dichloroethane-d4
 Concen: 50.669 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

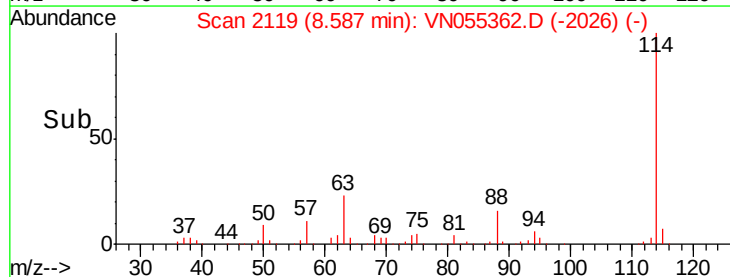
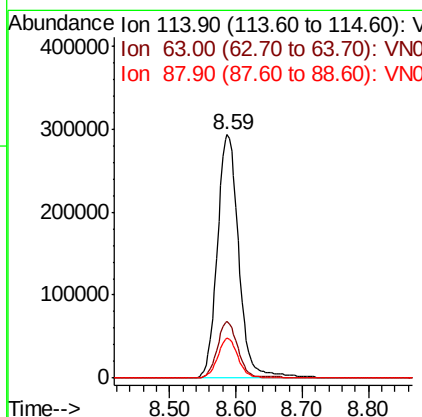
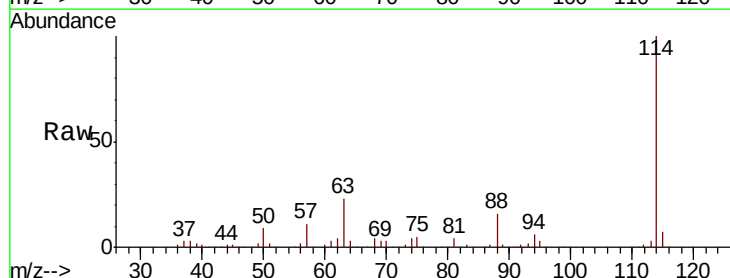
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

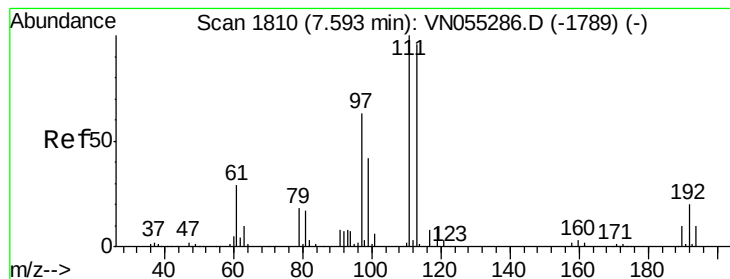
Tot Ion: 65 Resp: 270299
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Tgt Ion: 114 Resp: 660858
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.2
 88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.756 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

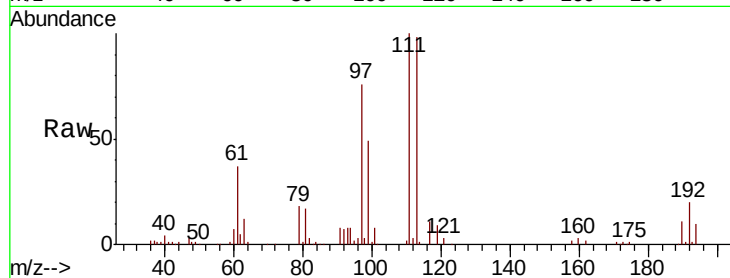
Tot Ion:113 Resp: 215823

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

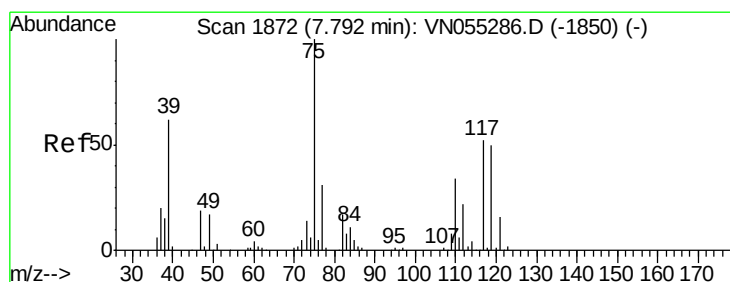
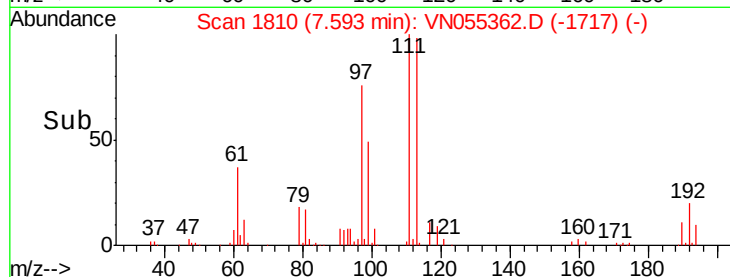
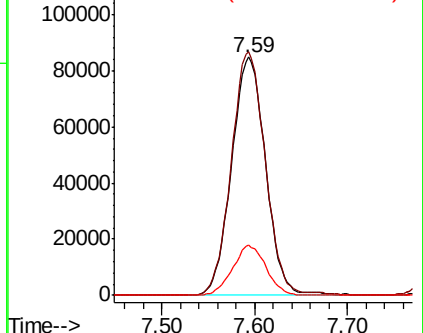
192 20.6 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.618 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

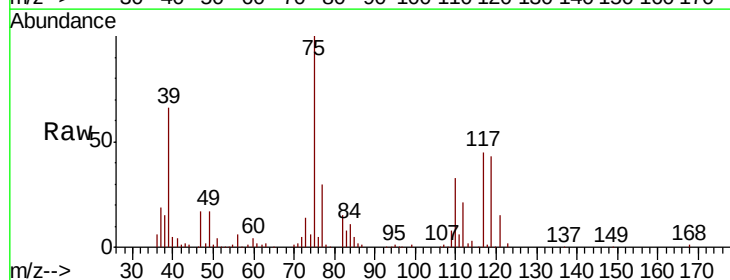
Tgt Ion: 75 Resp: 295089

Ion Ratio Lower Upper

75 100

110 33.4 16.8 50.4

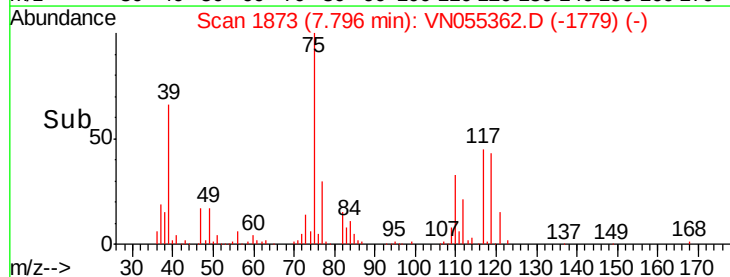
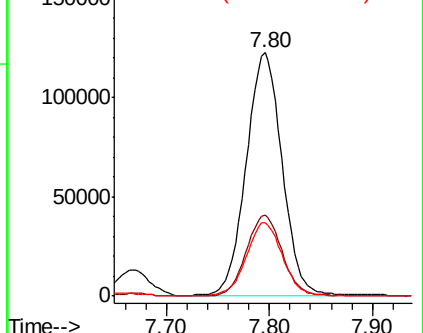
77 30.8 25.0 37.6

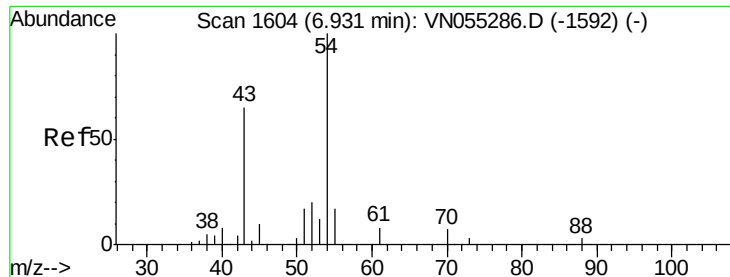


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

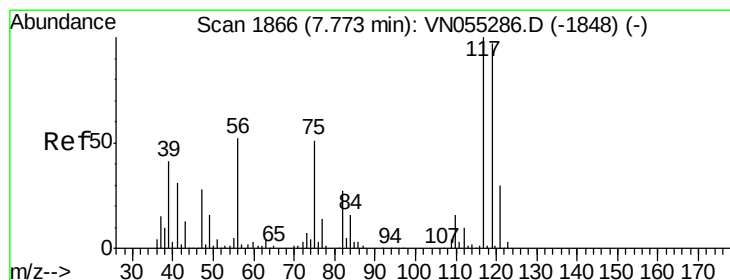
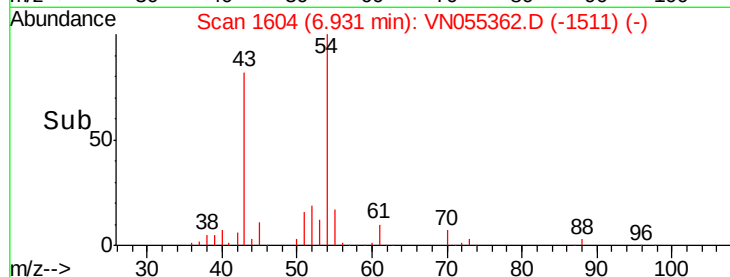
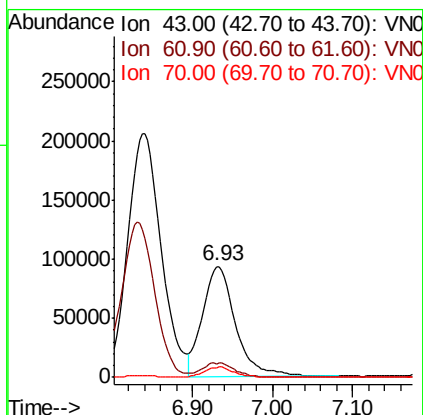
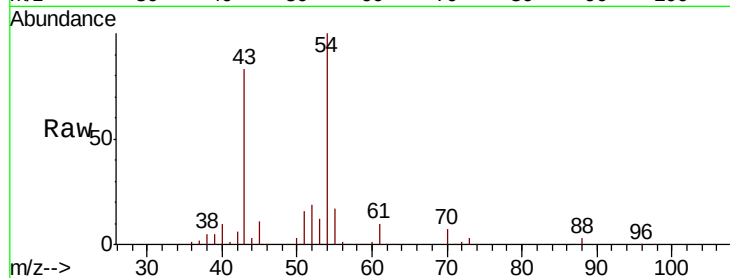




#37
Ethyl Acetate
Concen: 54.942 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

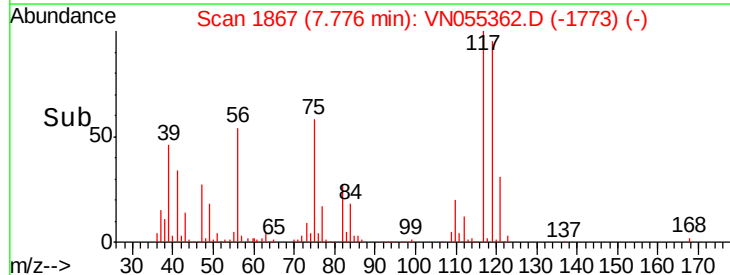
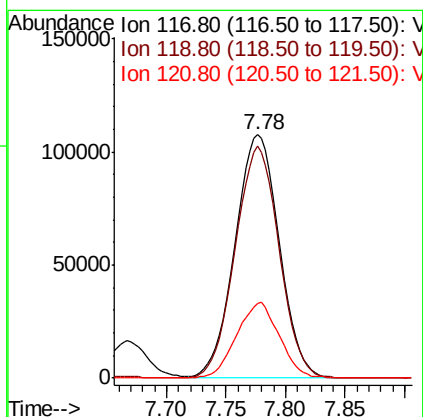
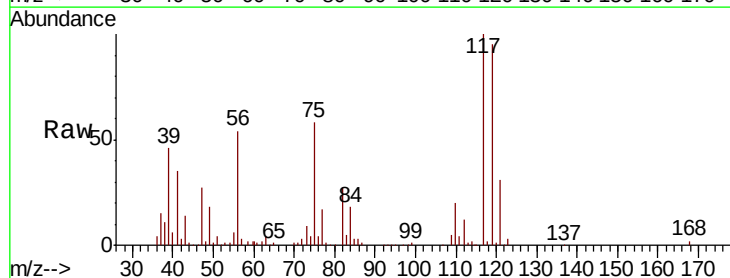
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

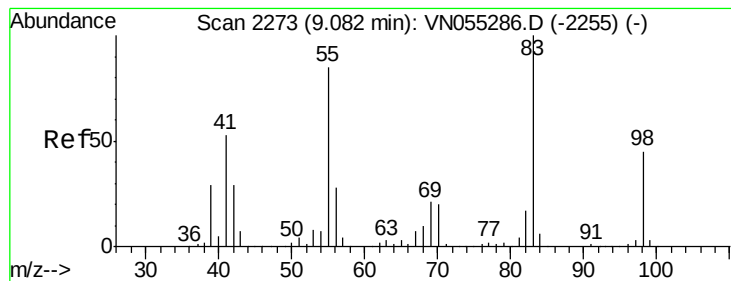
Tot Ion: 43 Resp: 266546
Ion Ratio Lower Upper
43 100
61 11.6 10.4 15.6
70 8.6 6.6 10.0



#38
Carbon Tetrachloride
Concen: 45.205 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Tgt Ion: 117 Resp: 276029
Ion Ratio Lower Upper
117 100
119 95.4 77.0 115.6
121 30.8 23.8 35.8





#39

Methylvlcyclohexane

Concen: 46.194 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

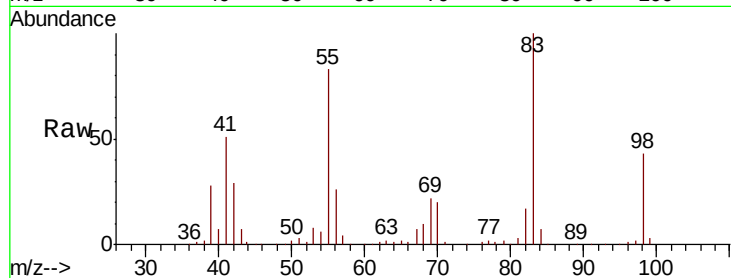
Tot Ion: 83 Resp: 310896

Ion Ratio Lower Upper

83 100

55 83.3 67.8 101.6

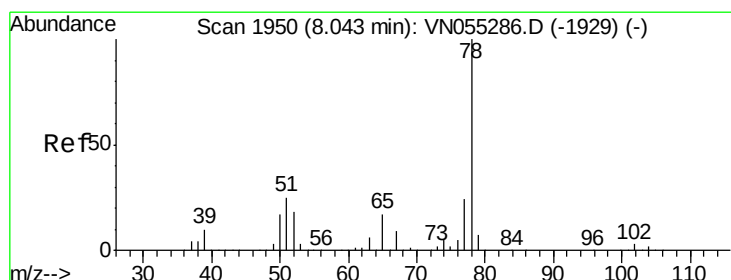
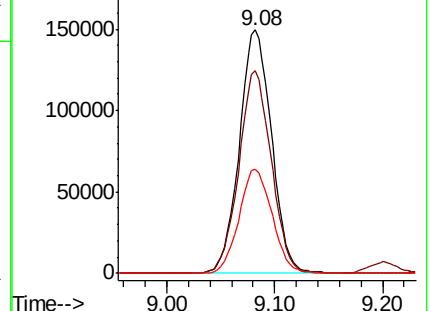
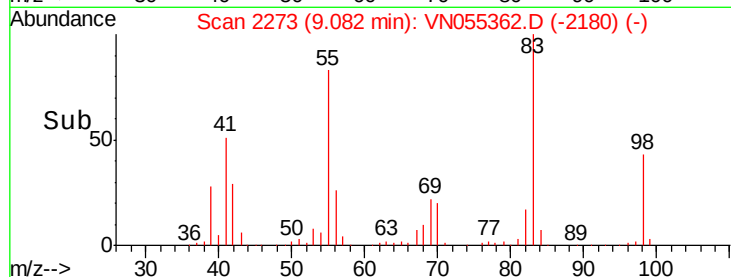
98 42.8 36.2 54.4



Abundance Ion 83.00 (82.70 to 83.70): VN055362.D (-2180) (-)

Ion 55.00 (54.70 to 55.70): VN055362.D (-2180) (-)

Ion 98.00 (97.70 to 98.70): VN055362.D (-2180) (-)



#40

Benzene

Concen: 48.309 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055362.D

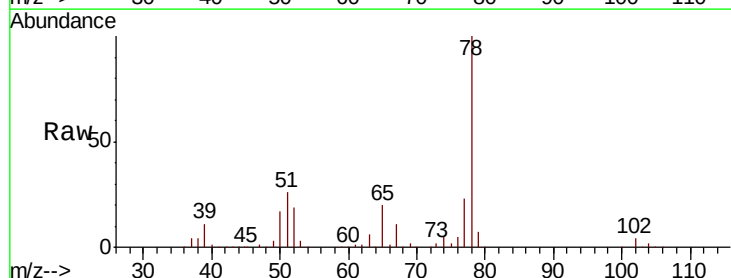
Acq: 2 May 2019 20:56

Tgt Ion: 78 Resp: 901459

Ion Ratio Lower Upper

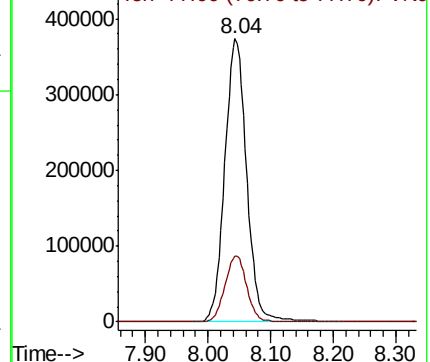
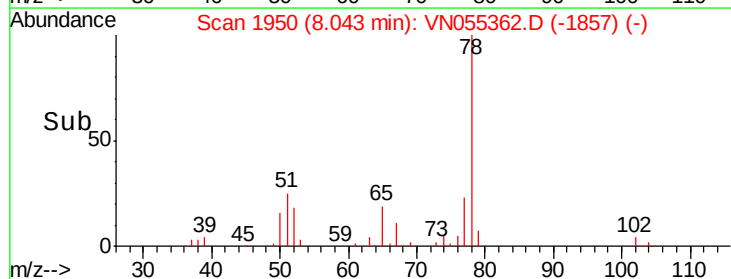
78 100

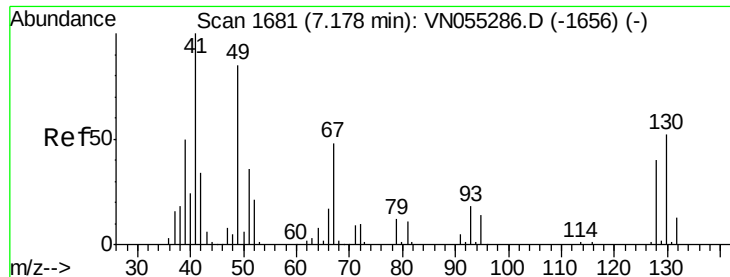
77 23.2 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN055362.D (-1857) (-)

Ion 77.00 (76.70 to 77.70): VN055362.D (-1857) (-)

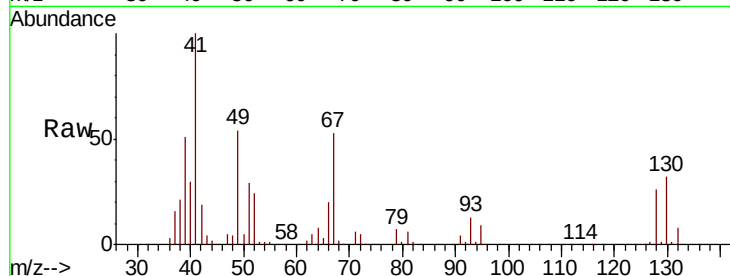




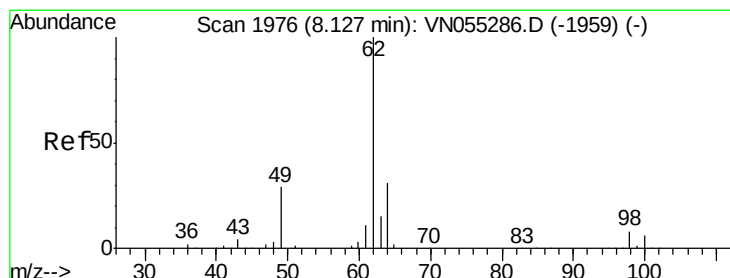
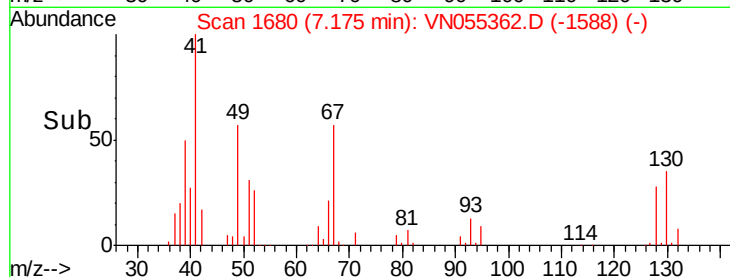
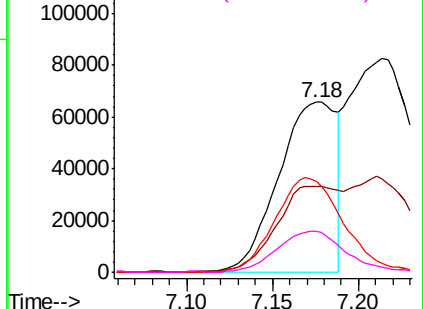
#41
Methacrylonitrile
Concen: 58.474 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	153867
Ion	Ratio	Lower	Upper
41	100		
39	56.0	48.5	72.7
67	65.8	54.9	82.3
52	28.0	24.9	37.3

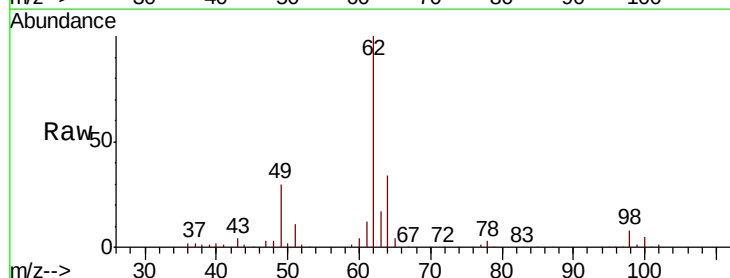


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

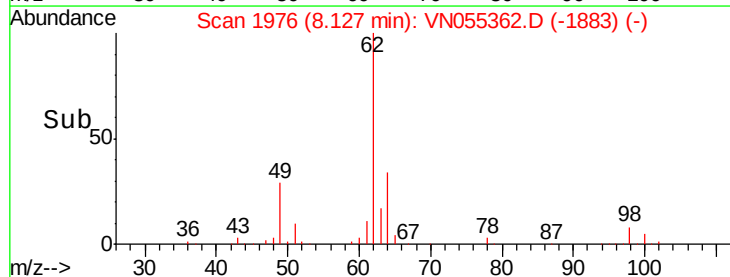
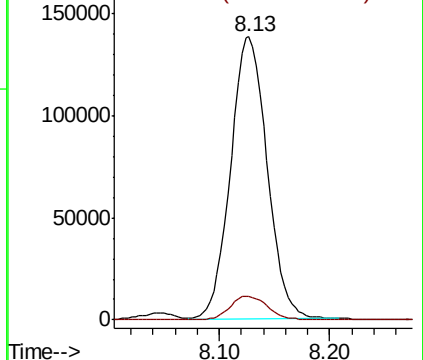


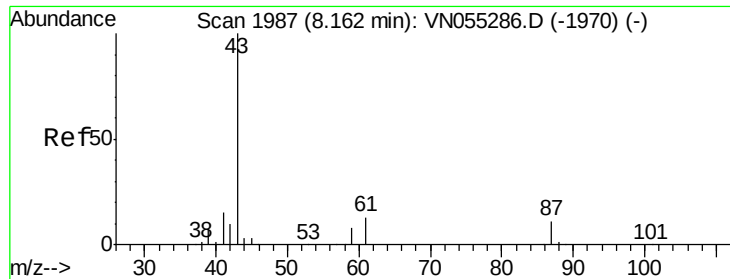
#42
1,2-Dichloroethane
Concen: 48.129 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Tgt Ion:	62	Resp:	318090
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.4



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





#43

Isopropyl Acetate

Concen: 59.874 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

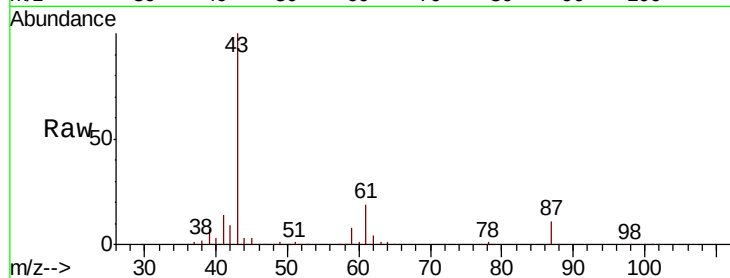
Tot Ion: 43 Resp: 466807

Ion Ratio Lower Upper

43 100

61 24.7 20.8 31.2

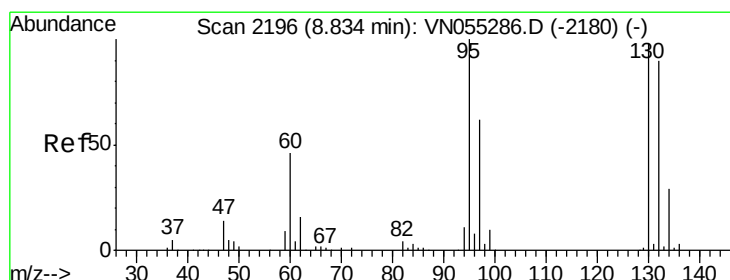
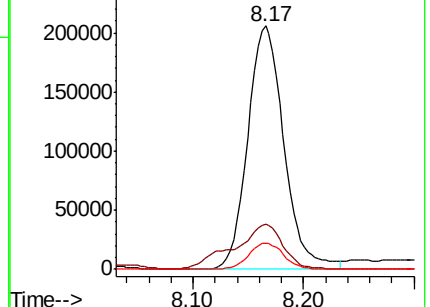
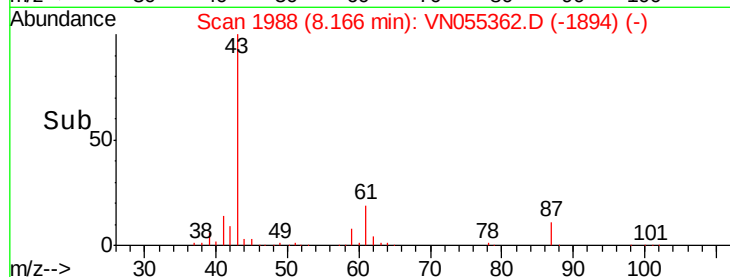
87 10.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055362.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN055362.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN055362.D (-2103) (-)



#44

Trichloroethene

Concen: 47.109 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055362.D

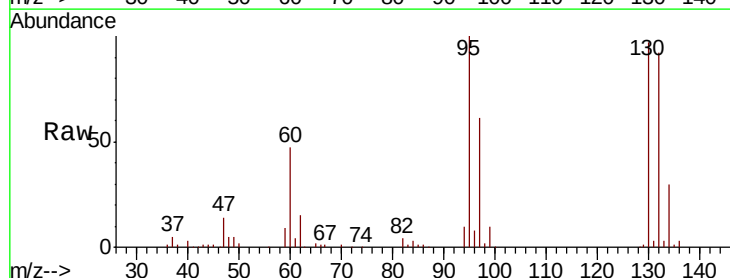
Acq: 2 May 2019 20:56

Tgt Ion: 130 Resp: 224102

Ion Ratio Lower Upper

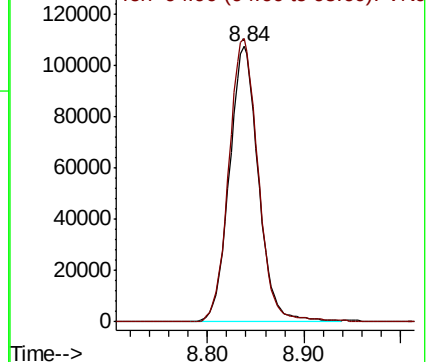
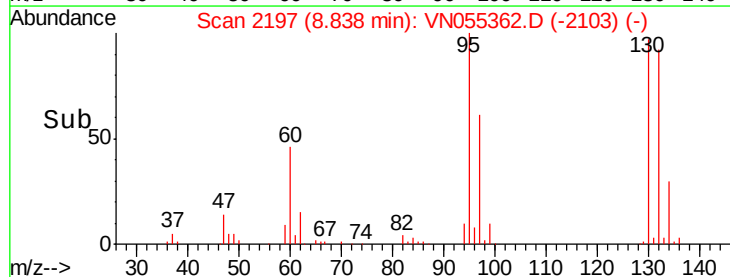
130 100

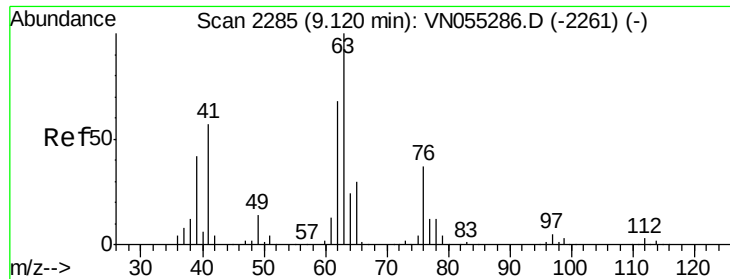
95 102.8 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055362.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055362.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 48.952 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

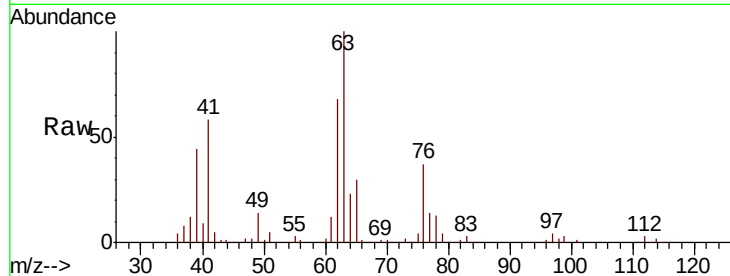
VSTDCCC050

Tot Ion: 63 Resp: 263458

Ion Ratio Lower Upper

63 100

65 30.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

100000

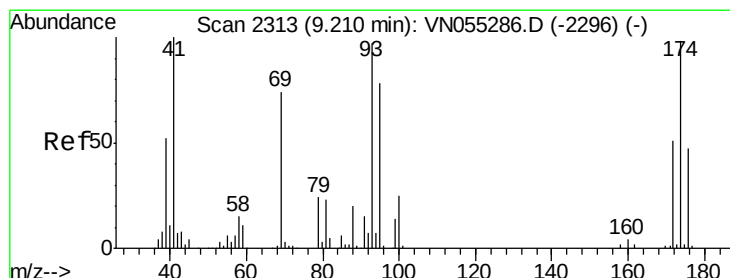
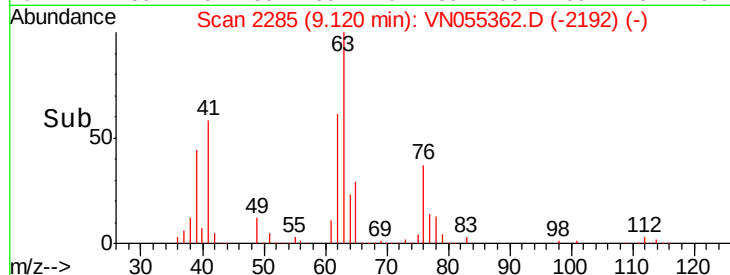
50000

0

9.12

9.10 9.12 9.20

Time-->



#46

Dibromomethane

Concen: 48.558 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

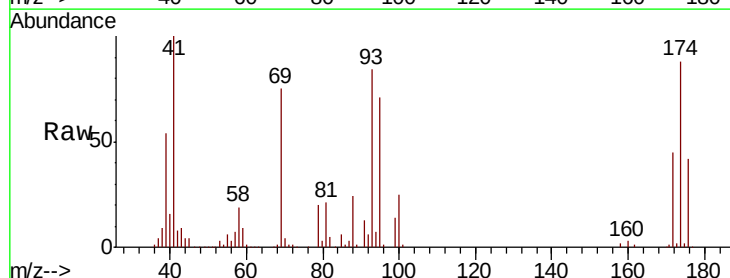
Tgt Ion: 93 Resp: 142849

Ion Ratio Lower Upper

93 100

95 83.7 65.7 98.5

174 103.9 81.5 122.3



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

100000

80000

60000

40000

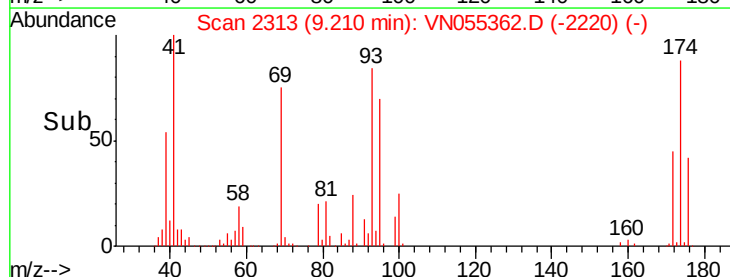
20000

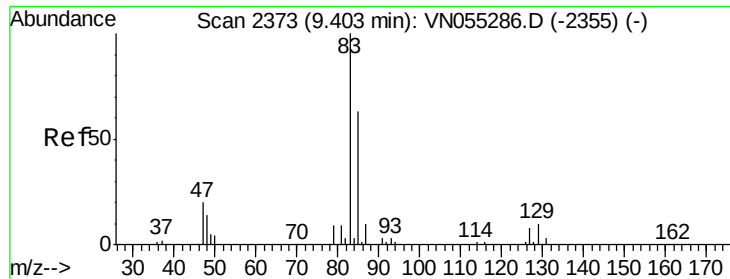
0

9.21

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 49.093 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

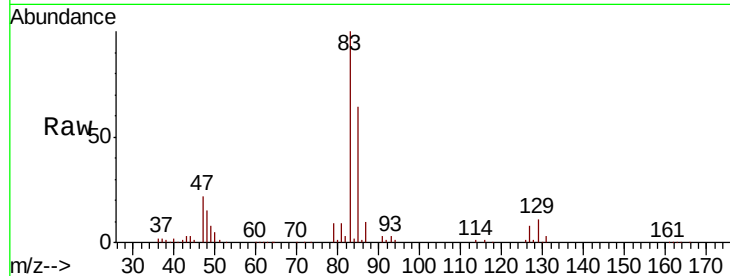
Tot Ion: 83 Resp: 309832

Ion Ratio Lower Upper

83 100

85 64.4 50.1 75.1

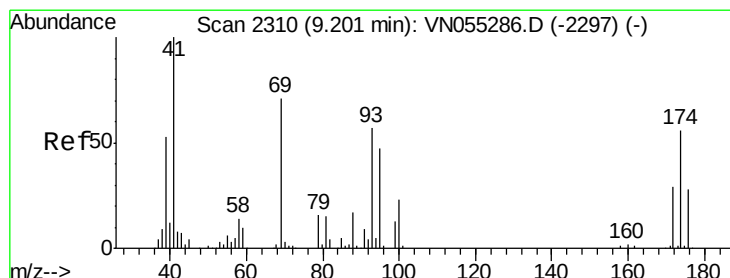
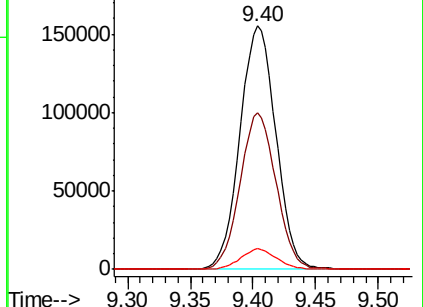
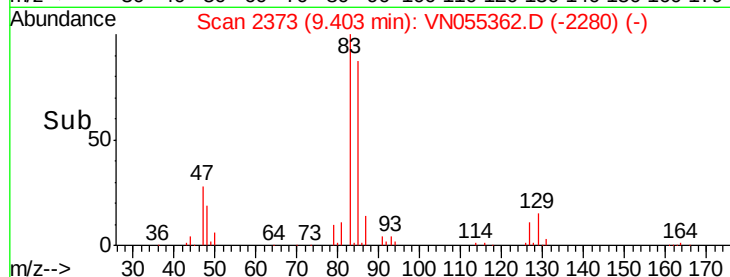
127 8.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055362.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055362.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055362.D (-2280) (-)



#48

Methyl methacrylate

Concen: 55.546 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

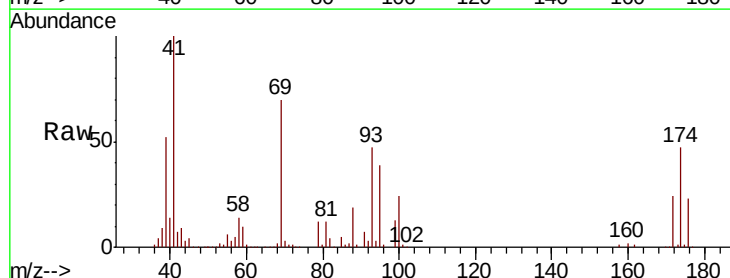
Tgt Ion: 41 Resp: 212894

Ion Ratio Lower Upper

41 100

69 77.2 58.6 87.8

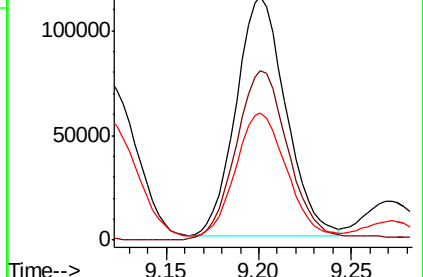
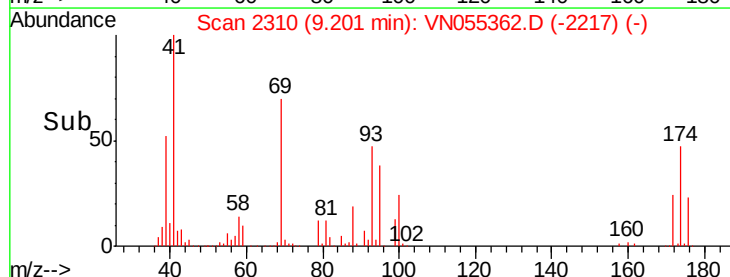
39 55.6 43.8 65.6

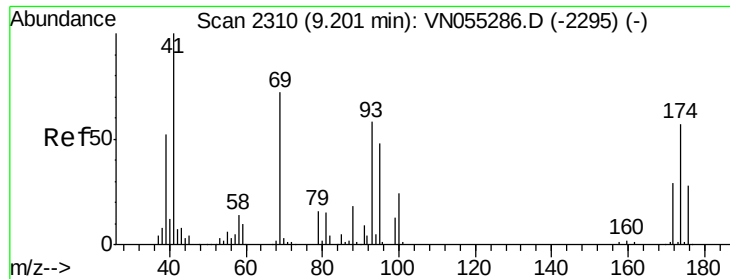


Abundance Ion 41.00 (40.70 to 41.70): VN055362.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055362.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055362.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1181.024 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

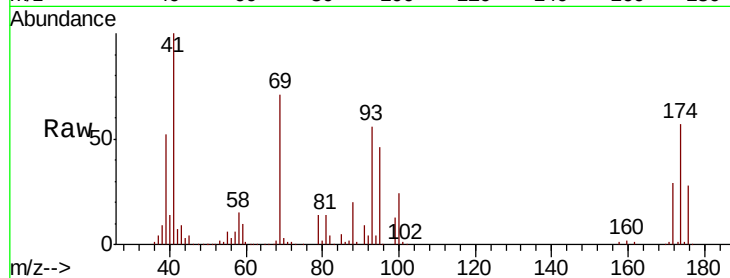
Tot Ion: 88 Resp: 46793

Ion Ratio Lower Upper

88 100

43 40.1 33.3 49.9

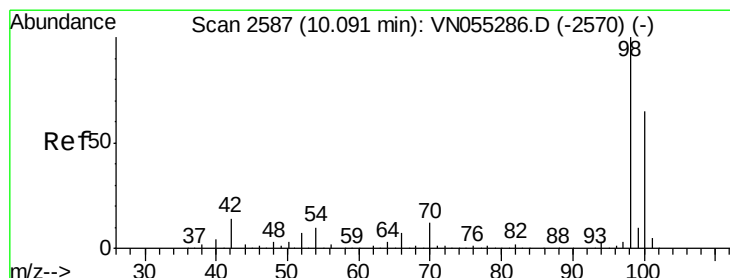
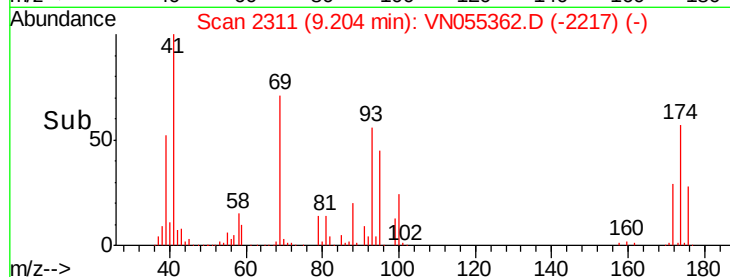
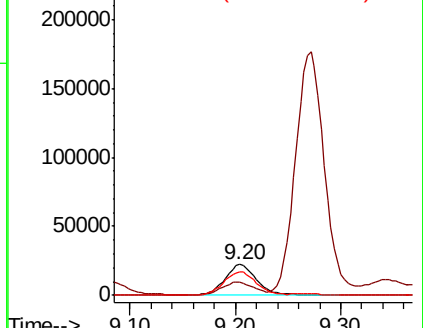
58 78.1 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055362.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055362.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055362.D (-2217) (-)



#50

Toluene-d8

Concen: 48.490 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055362.D

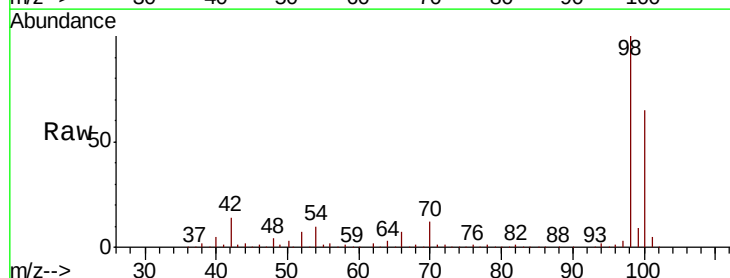
Acq: 2 May 2019 20:56

Tgt Ion: 98 Resp: 759484

Ion Ratio Lower Upper

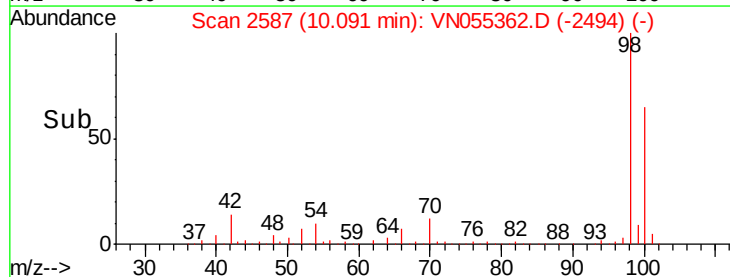
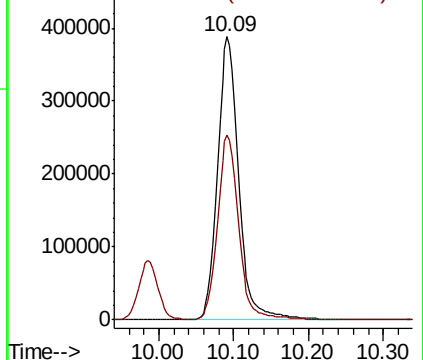
98 100

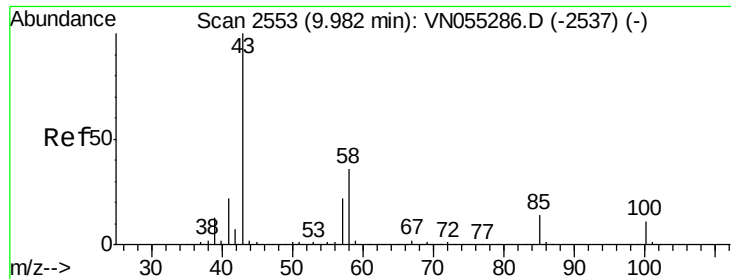
100 65.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055362.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055362.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 291.895 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

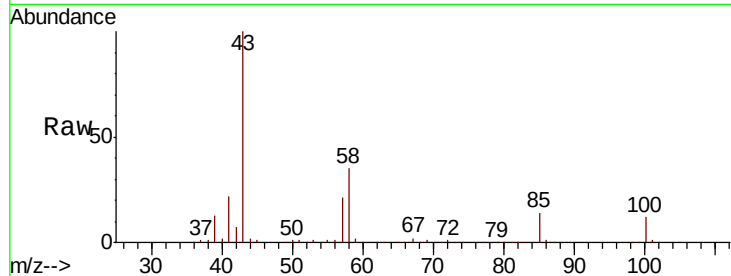
VSTDCCC050

Tot Ion: 43 Resp: 1281288

Ion Ratio Lower Upper

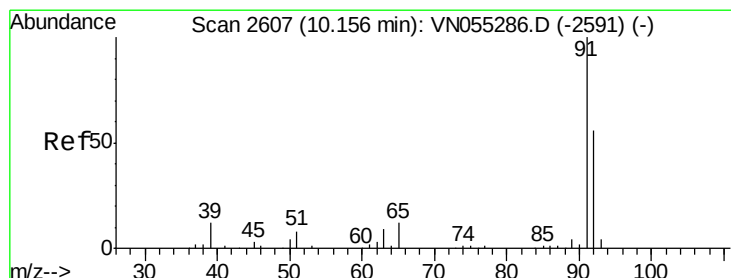
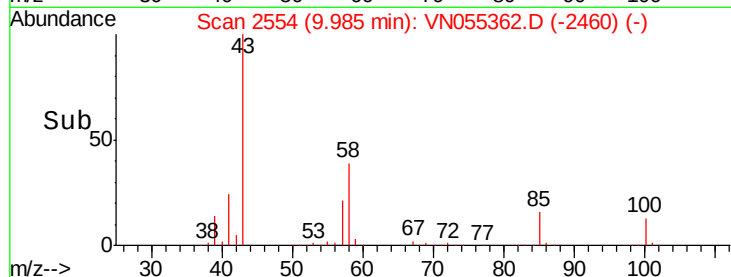
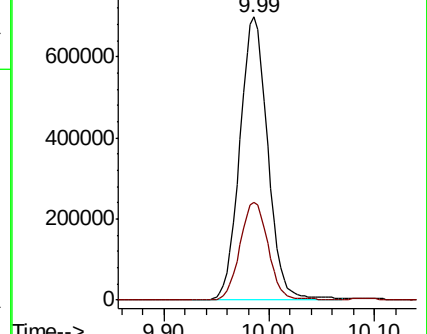
43 100

58 35.0 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.709 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055362.D

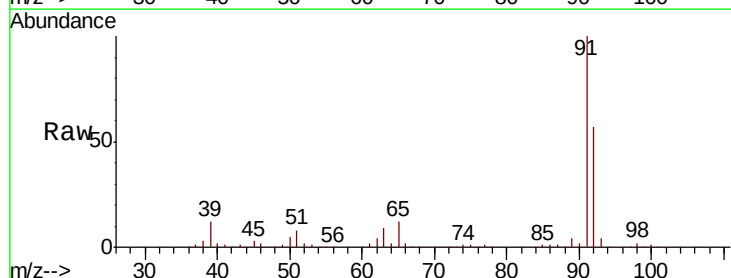
Acq: 2 May 2019 20:56

Tgt Ion: 92 Resp: 521524

Ion Ratio Lower Upper

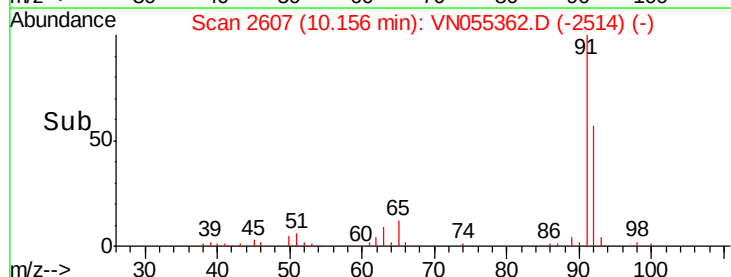
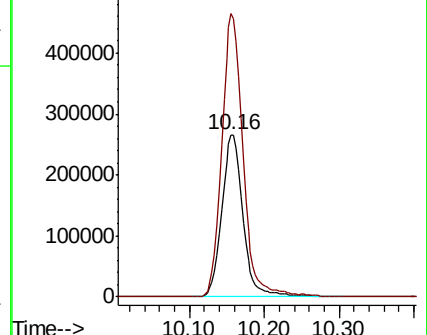
92 100

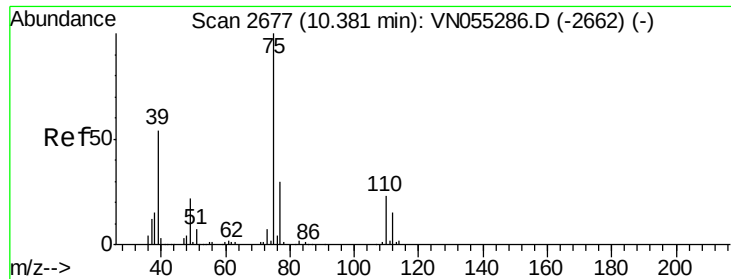
91 175.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 53.606 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

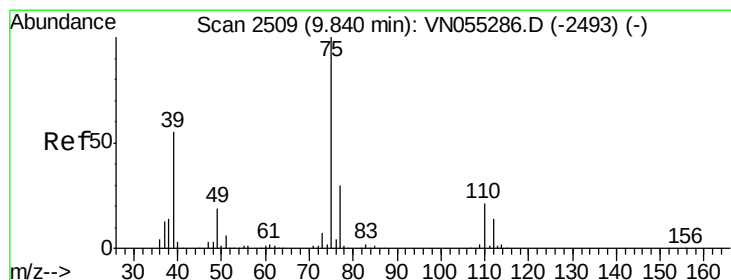
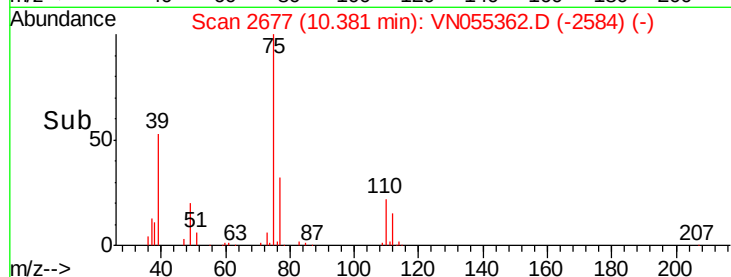
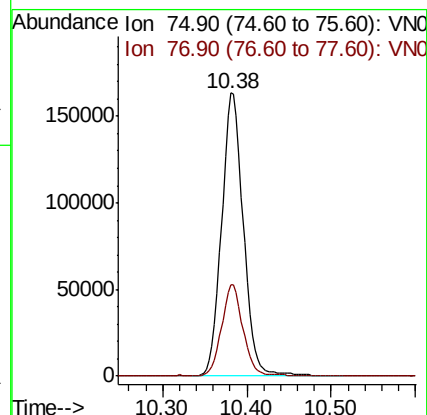
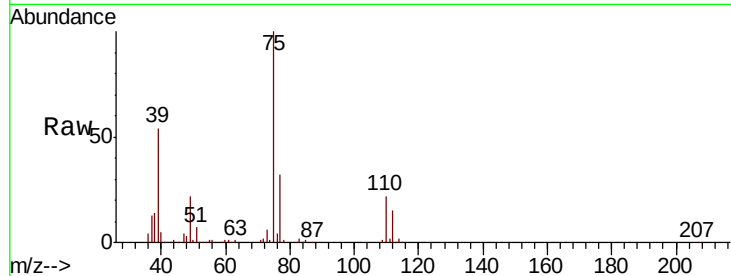
VSTDCCC050

Tot Ion: 75 Resp: 293690

Ion Ratio Lower Upper

75 100

77 32.2 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 51.438 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

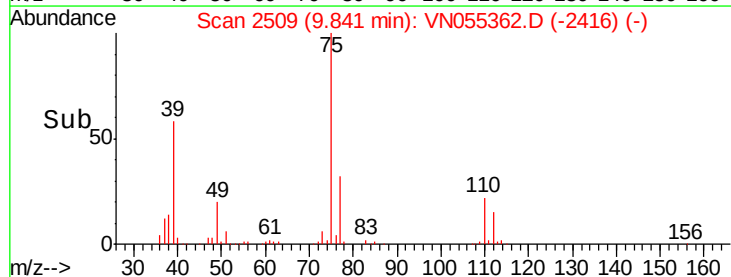
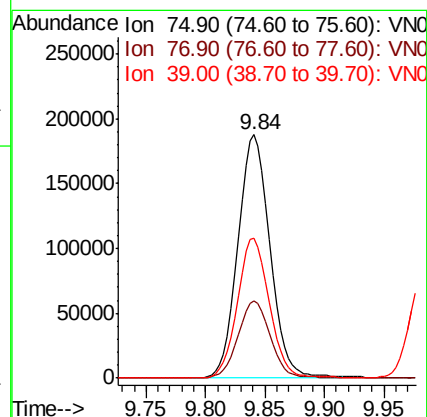
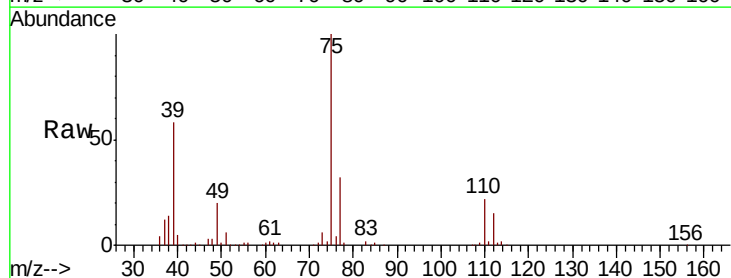
Tgt Ion: 75 Resp: 351366

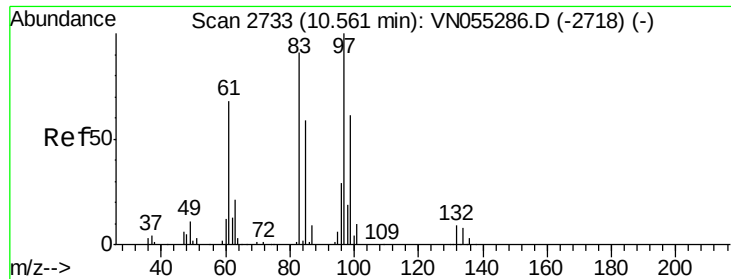
Ion Ratio Lower Upper

75 100

77 31.7 24.2 36.2

39 57.6 44.2 66.2



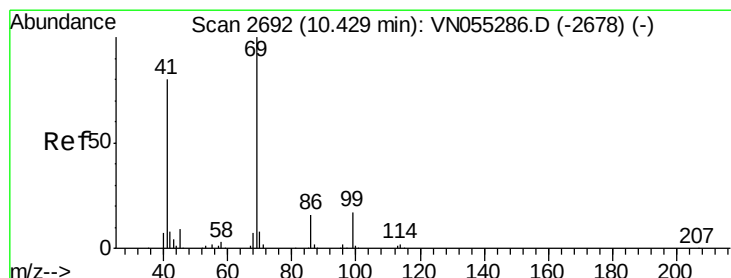
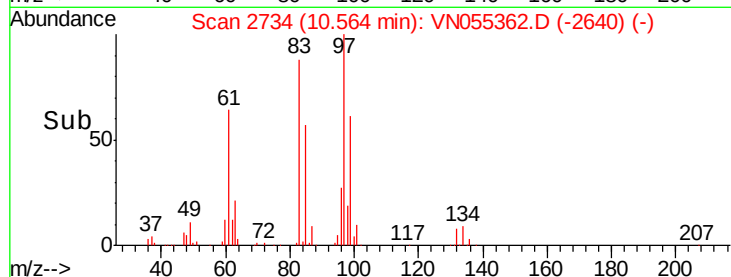
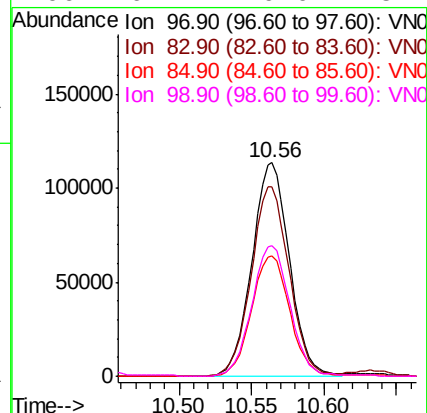
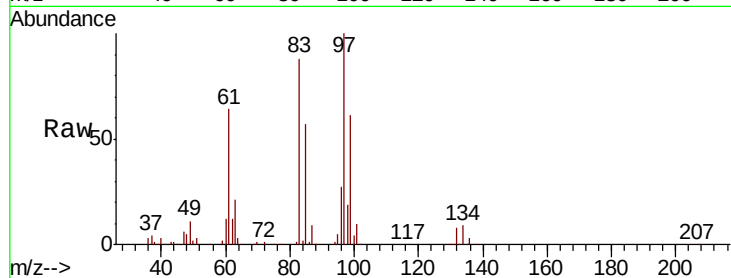


#55
 1,1,2-Trichloroethane
 Concen: 51.478 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 204671

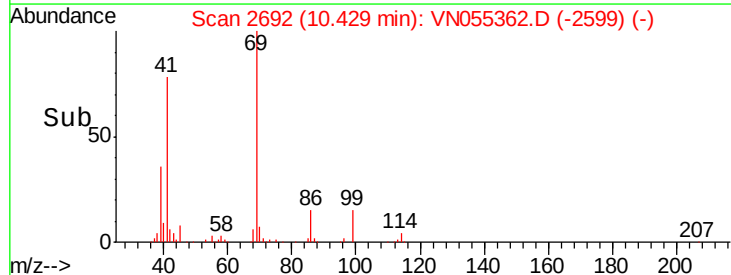
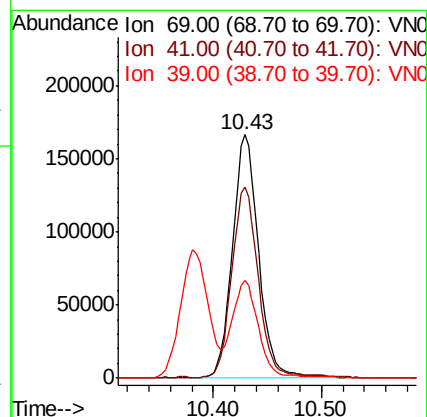
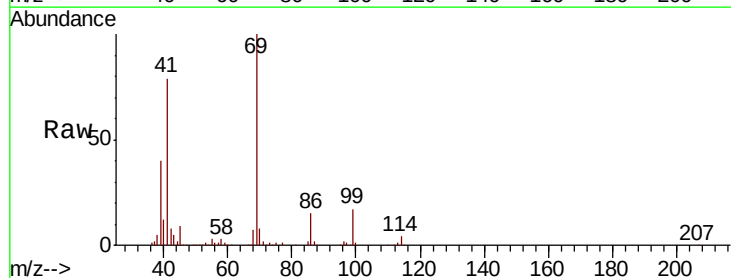
Ion	Ratio	Lower	Upper
97	100		
83	88.4	72.8	109.2
85	56.5	47.0	70.6
99	61.2	49.0	73.4

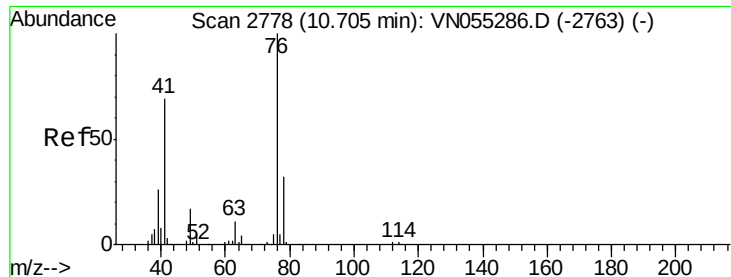


#56
 Ethyl methacrylate
 Concen: 57.600 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Tgt Ion: 69 Resp: 281877

Ion	Ratio	Lower	Upper
69	100		
41	79.5	62.7	94.1
39	40.4	32.0	48.0





#57

1,3-Dichloropropane

Concen: 51.024 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

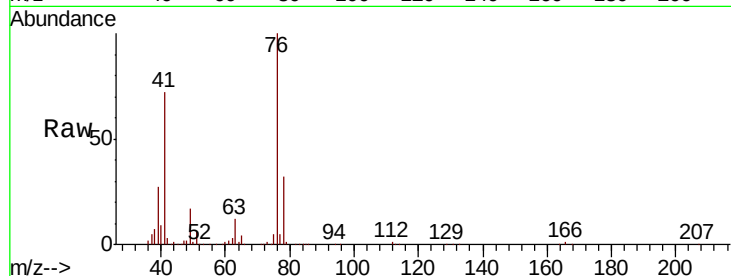
VSTDCCC050

Tot Ion: 76 Resp: 355883

Ion Ratio Lower Upper

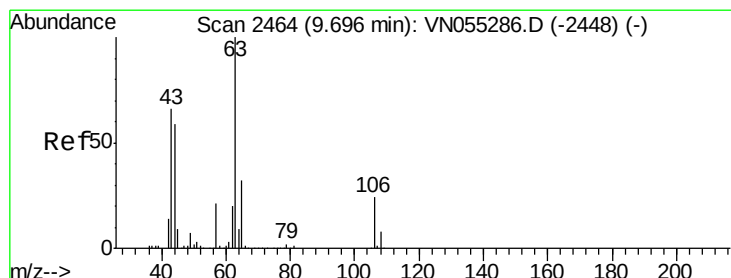
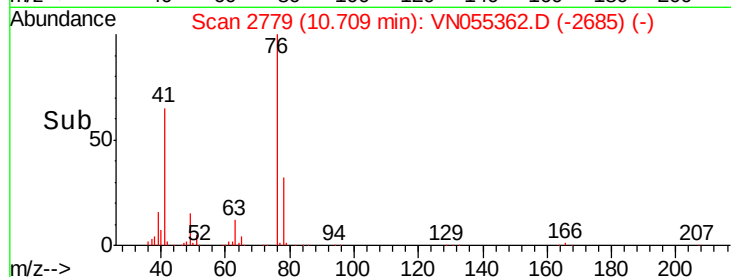
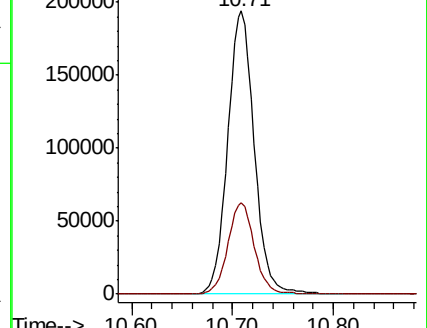
76 100

78 32.3 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 249.075 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055362.D

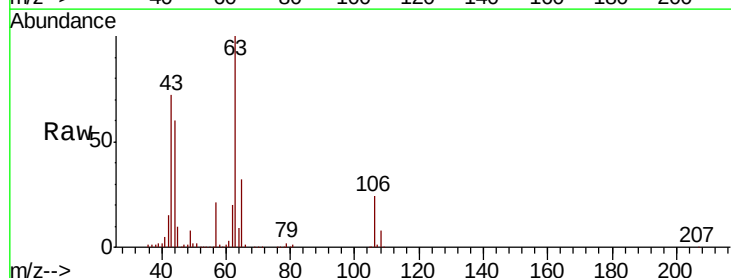
Acq: 2 May 2019 20:56

Tgt Ion: 63 Resp: 378208

Ion Ratio Lower Upper

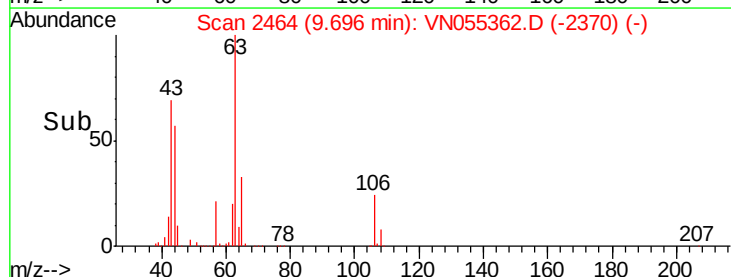
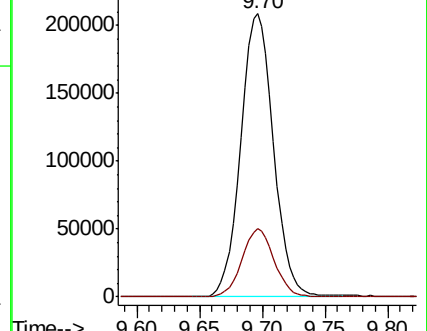
63 100

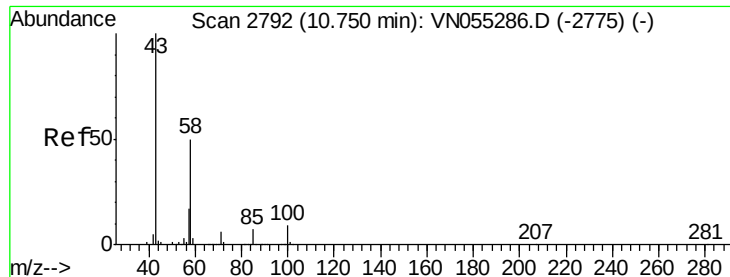
106 23.8 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

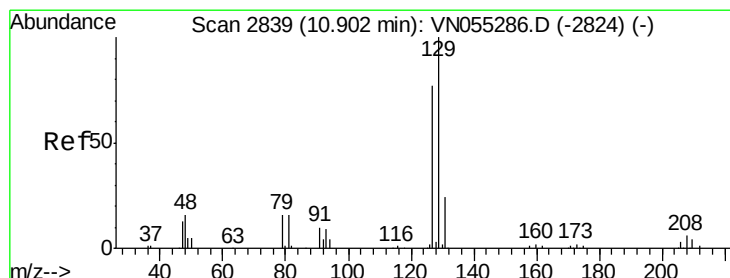
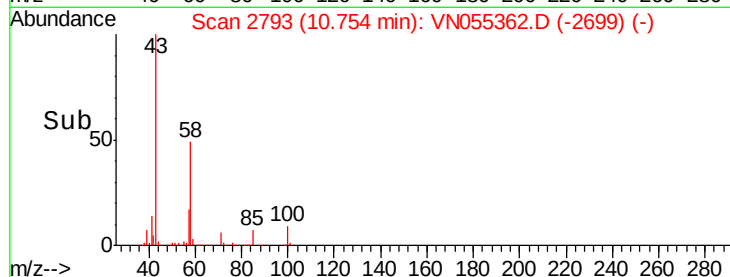
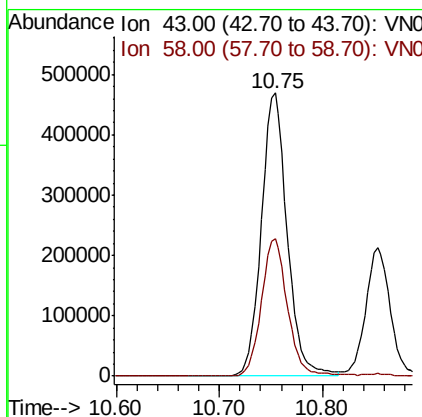
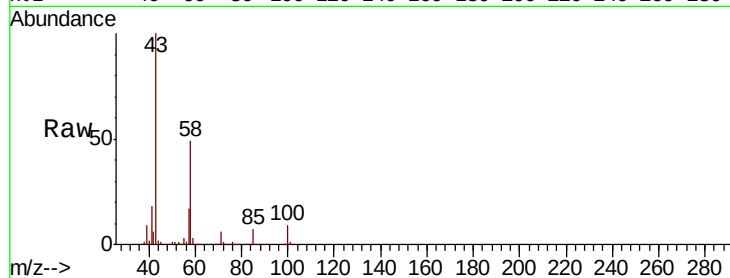




#59
2-Hexanone
Concen: 295.046 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

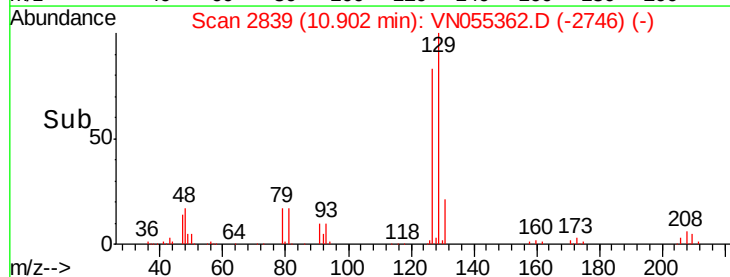
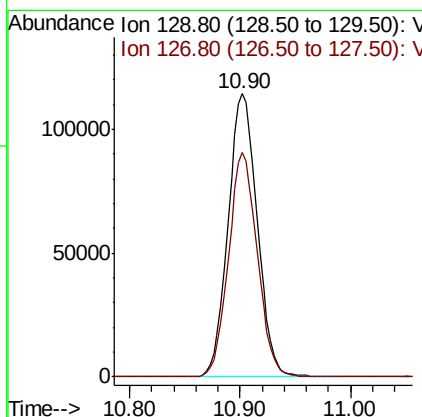
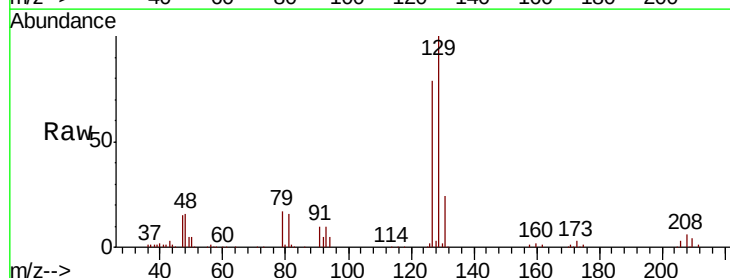
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

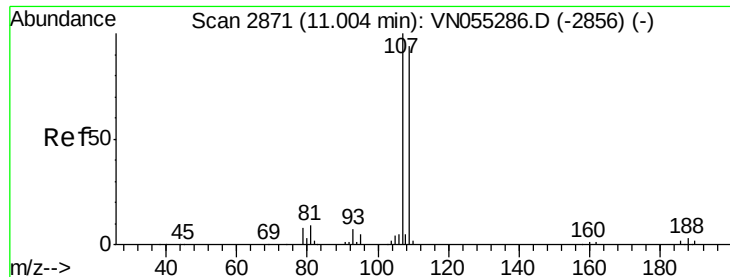
Tot Ion: 43 Resp: 810339
Ion Ratio Lower Upper
43 100
58 49.4 24.9 74.6



#60
Dibromochloromethane
Concen: 51.685 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Tgt Ion: 129 Resp: 210022
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 52.869 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

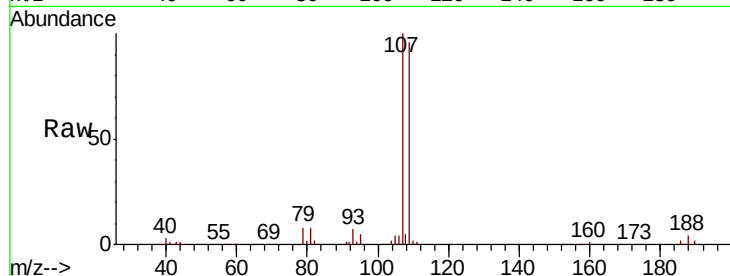
VSTDCCC050

Tot Ion: 107 Resp: 194285

Ion Ratio Lower Upper

107 100

109 94.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

120000

100000

80000

60000

40000

20000

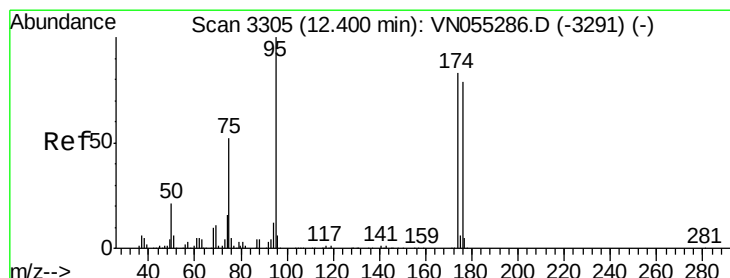
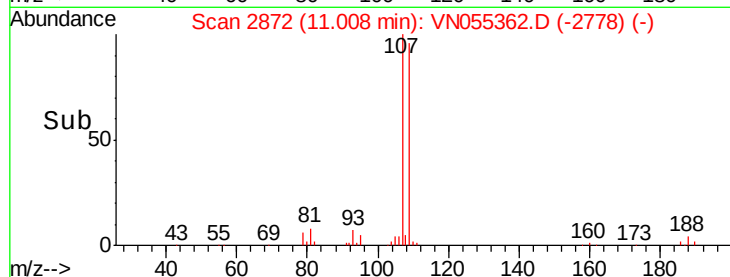
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 53.371 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

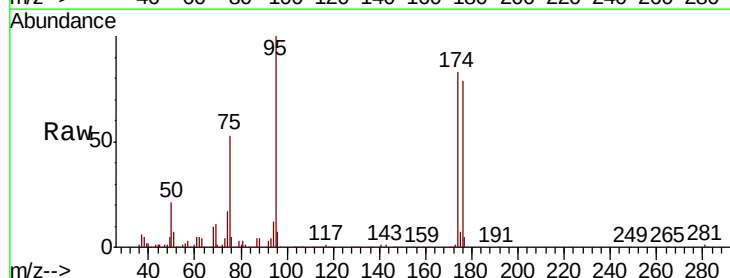
Tgt Ion: 95 Resp: 261262

Ion Ratio Lower Upper

95 100

174 82.5 0.0 166.6

176 79.9 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

50000

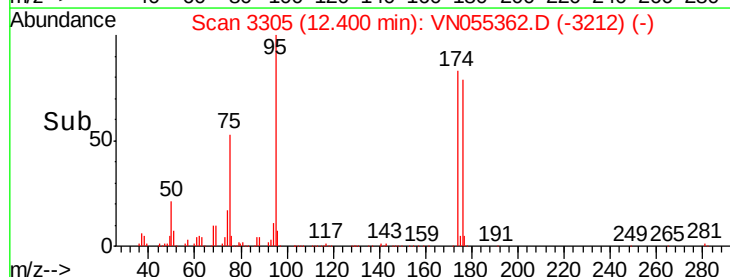
0

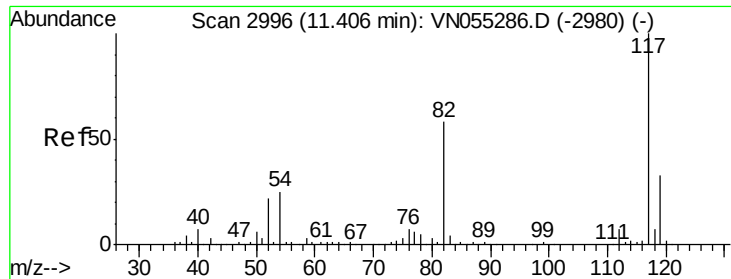
Time-->

12.35

12.40

12.45

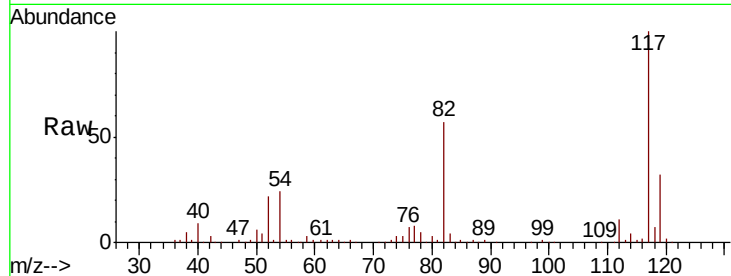




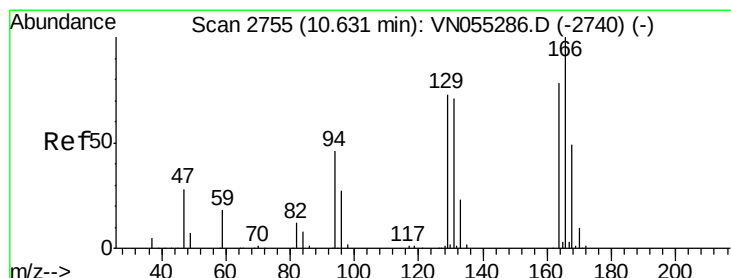
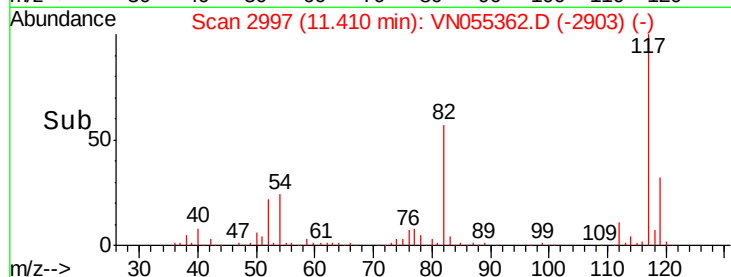
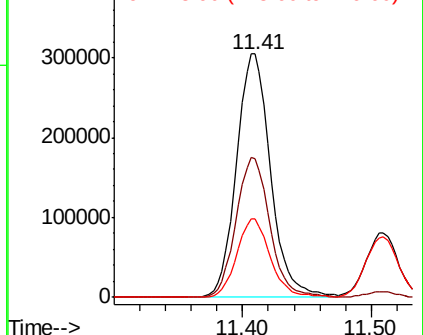
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 560978
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.4
119 32.1 26.6 40.0

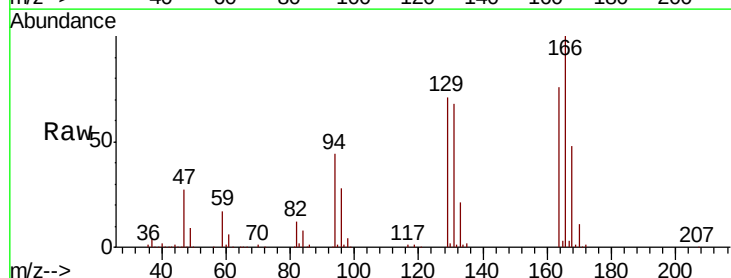


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

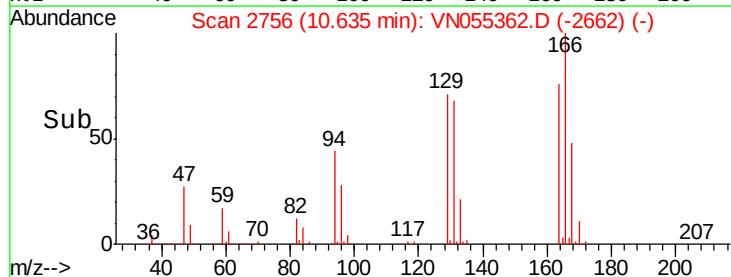
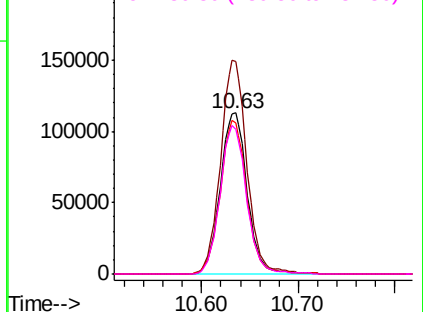


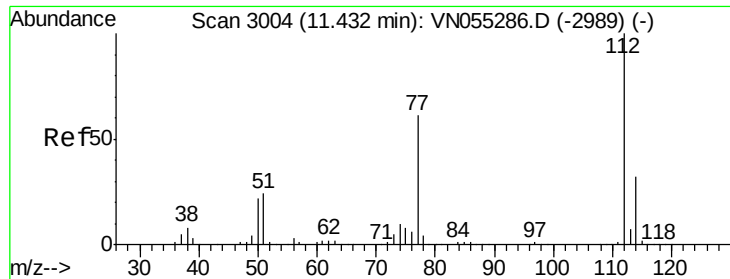
#64
Tetrachloroethene
Concen: 47.522 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Tgt Ion:164 Resp: 218007
Ion Ratio Lower Upper
164 100
166 132.1 102.3 153.5
129 93.9 75.0 112.6
131 90.2 72.7 109.1



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

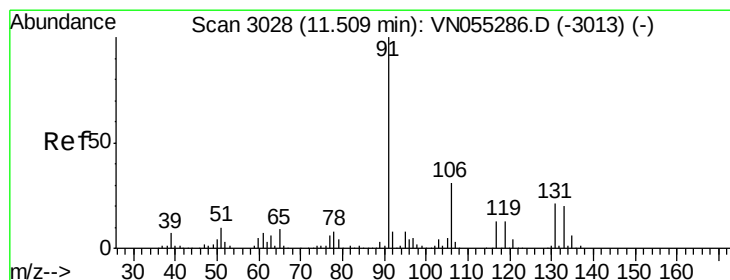
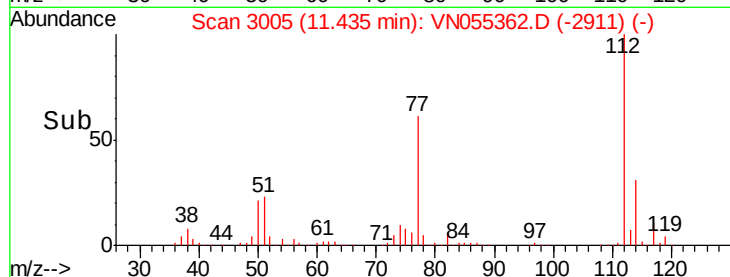
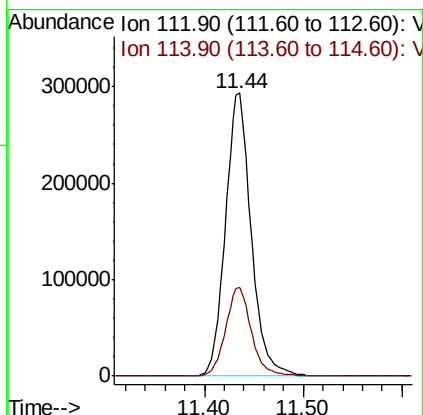
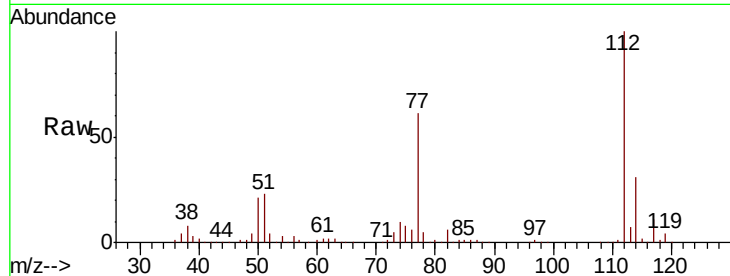




#65
Chlorobenzene
Concen: 48.696 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

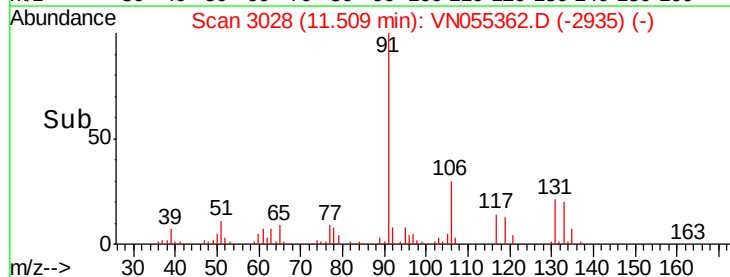
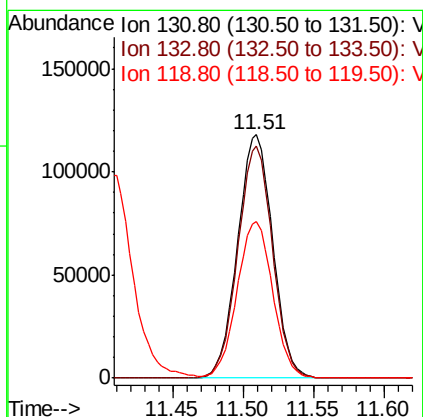
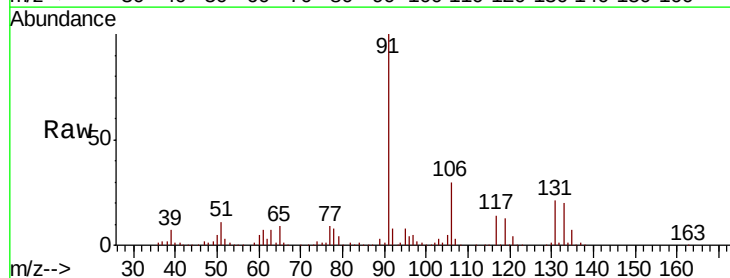
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

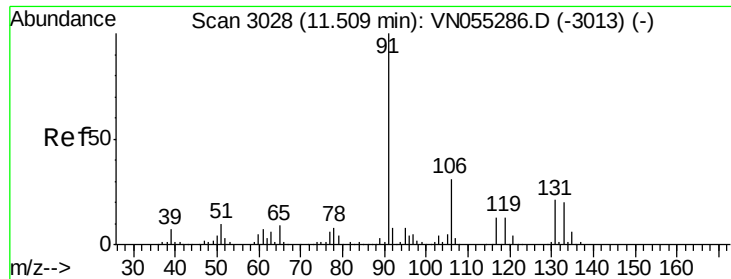
Tot Ion:112 Resp: 534088
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.969 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Tgt Ion:131 Resp: 206011
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 65.4 32.7 98.1

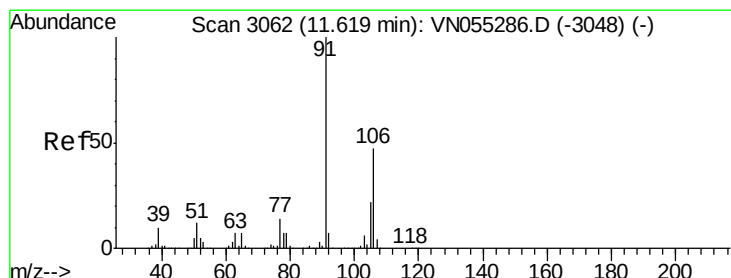
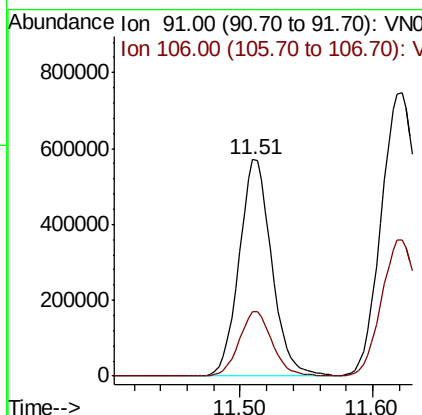
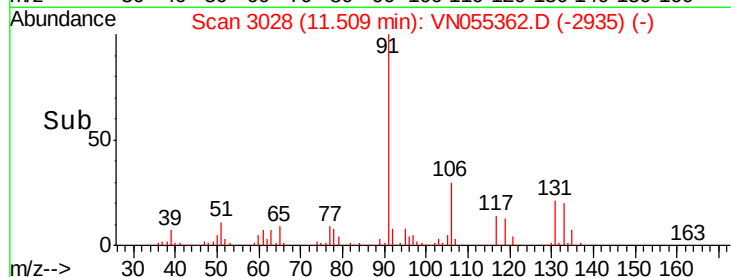
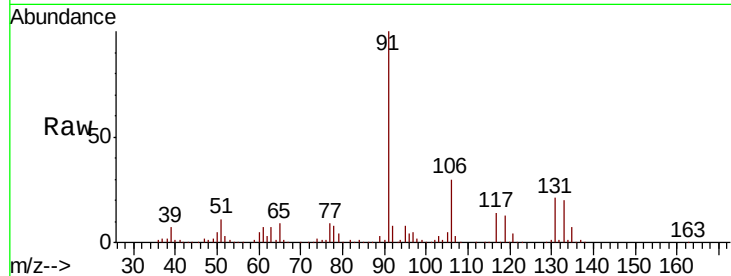




#67
Ethyl Benzene
Concen: 49.240 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

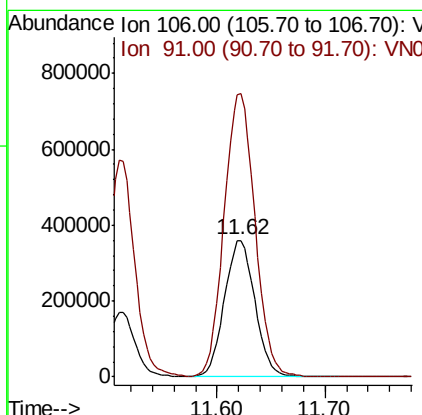
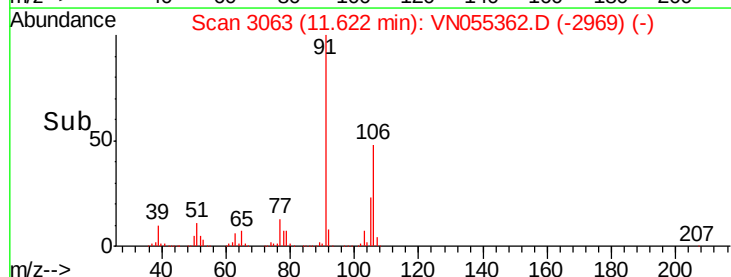
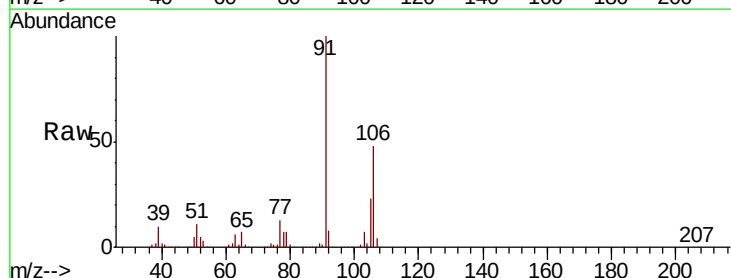
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

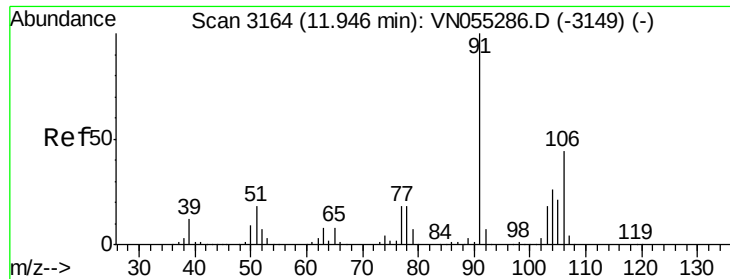
Tot Ion: 91 Resp: 975235
Ion Ratio Lower Upper
91 100
106 29.6 24.6 36.8



#68
m/p-Xylenes
Concen: 100.489 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Tgt Ion: 106 Resp: 710410
Ion Ratio Lower Upper
106 100
91 209.8 169.5 254.3

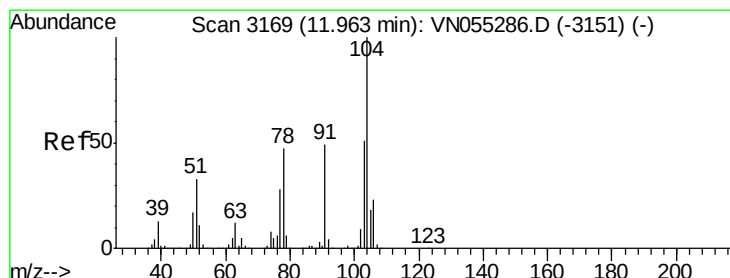
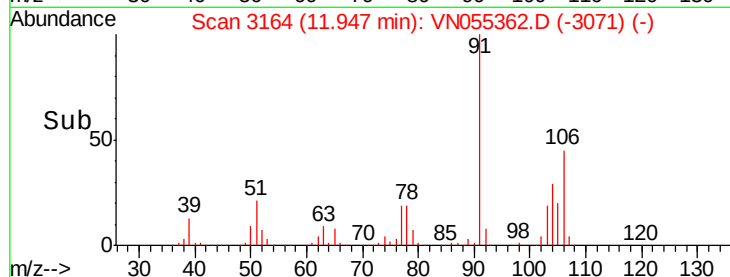
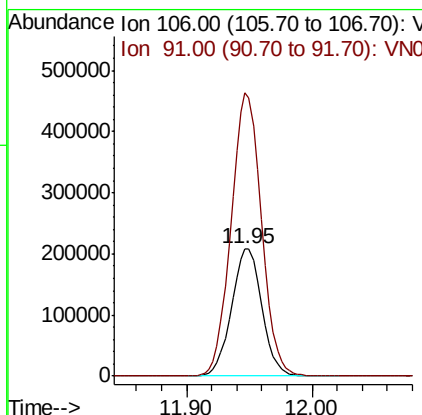
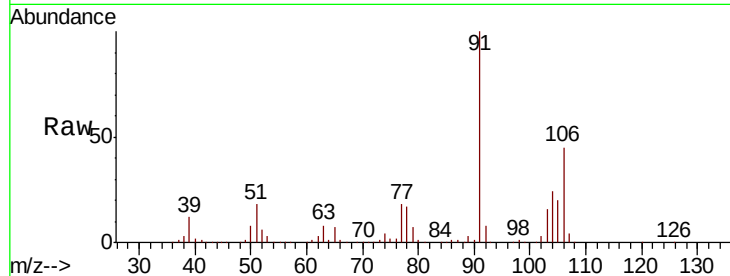




#69
o-Xylene
Concen: 49.955 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

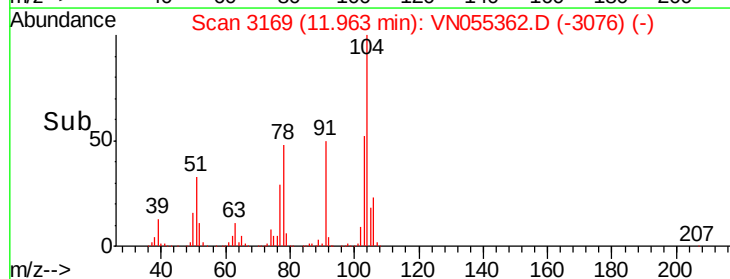
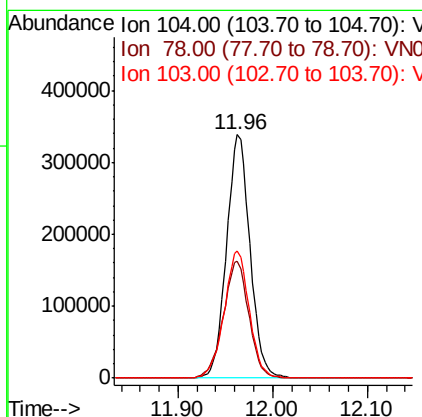
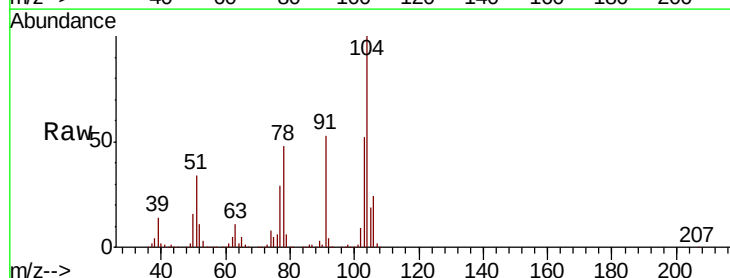
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

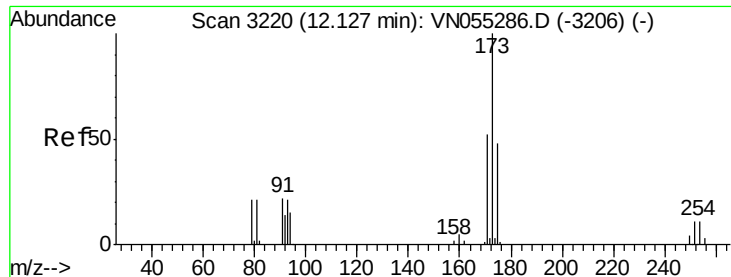
Tot Ion:106 Resp: 350042
Ion Ratio Lower Upper
106 100
91 222.6 111.5 334.5



#70
Styrene
Concen: 54.307 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055362.D
Acq: 2 May 2019 20:56

Tgt Ion:104 Resp: 584280
Ion Ratio Lower Upper
104 100
78 52.2 42.2 63.2
103 55.8 44.6 67.0





#71

Bromoform

Concen: 55.843 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

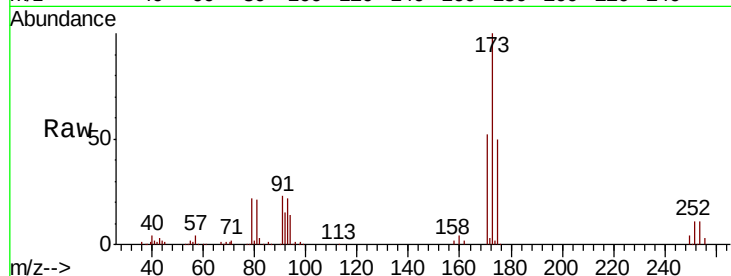
Tot Ion:173 Resp: 133077

Ion Ratio Lower Upper

173 100

175 48.3 23.6 71.0

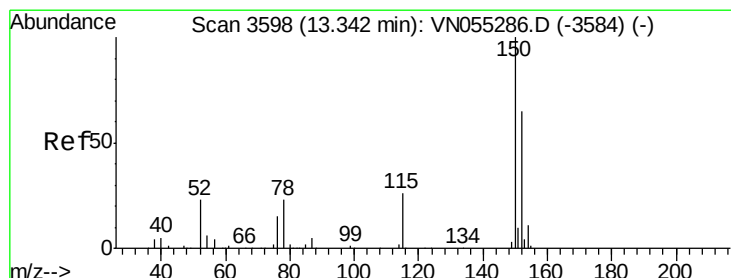
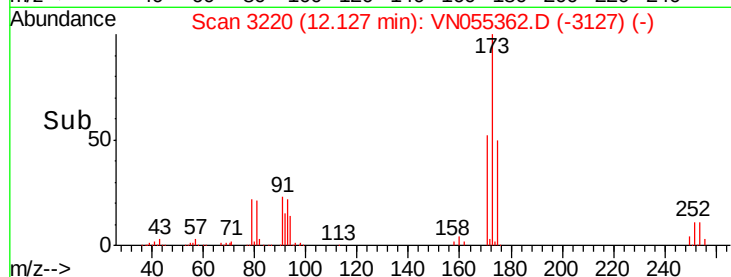
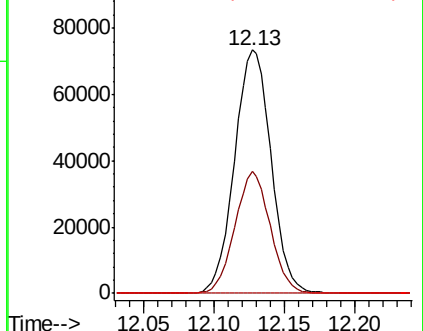
254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

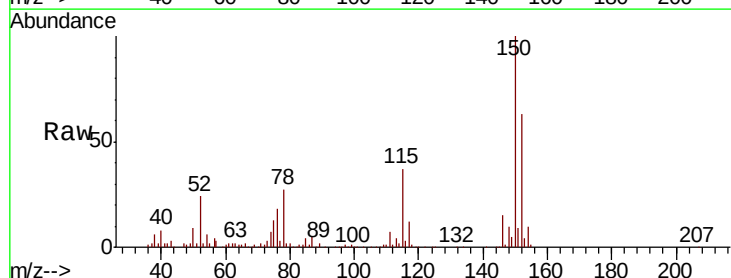
Tgt Ion:152 Resp: 230990

Ion Ratio Lower Upper

152 100

115 57.7 29.0 87.0

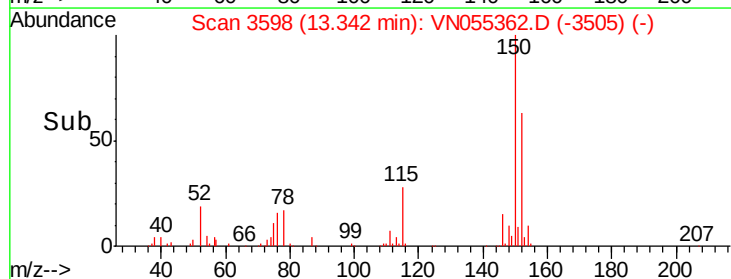
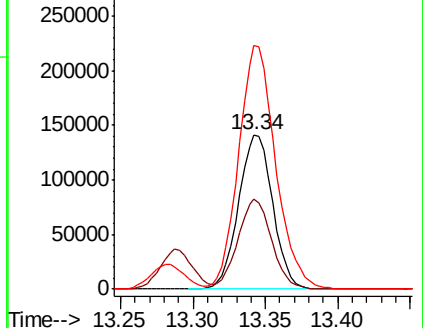
150 170.9 0.0 345.6

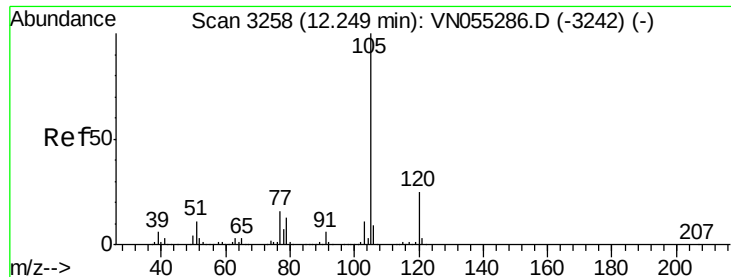


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.253 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

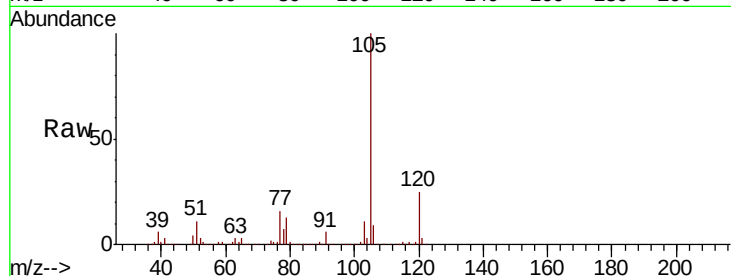
VSTDCCC050

Tot Ion:105 Resp: 940552

Ion Ratio Lower Upper

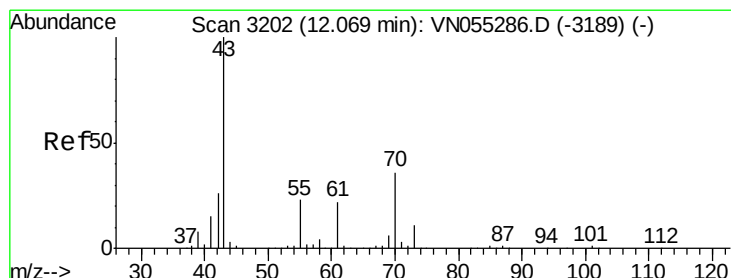
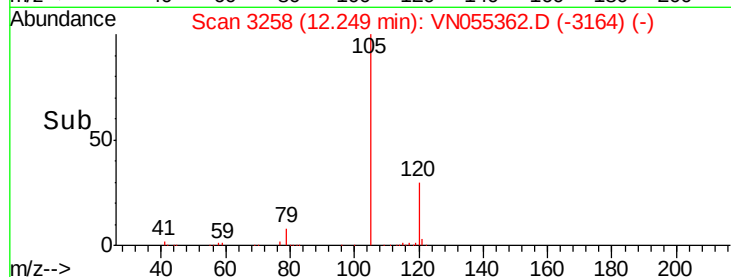
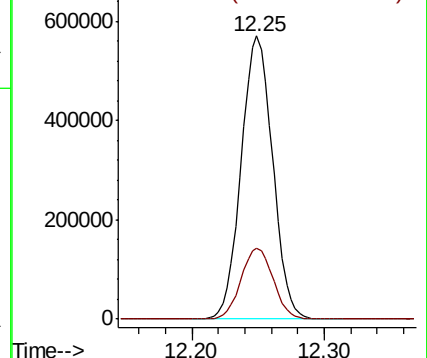
105 100

120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.226 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Tgt Ion: 43 Resp: 351096

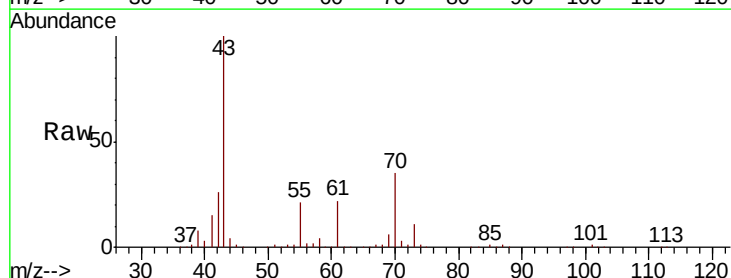
Ion Ratio Lower Upper

43 100

70 35.0 27.9 41.9

55 22.0 18.2 27.2

61 20.8 16.9 25.3

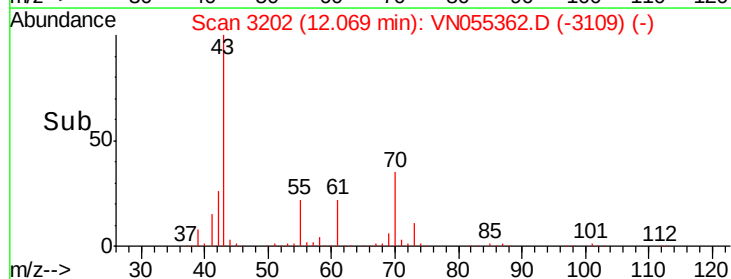
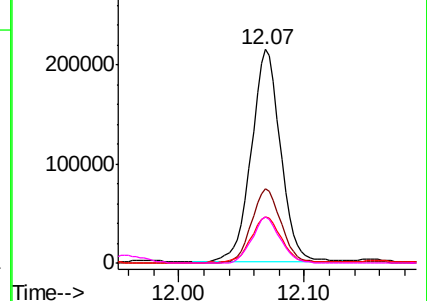


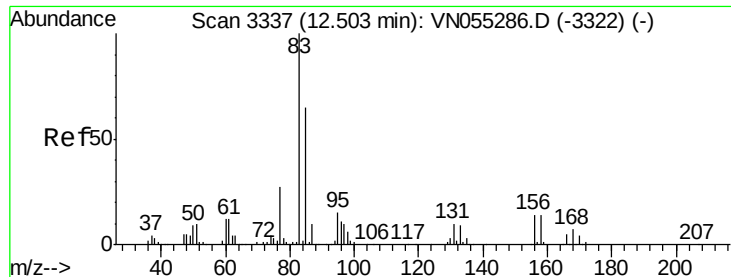
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.777 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

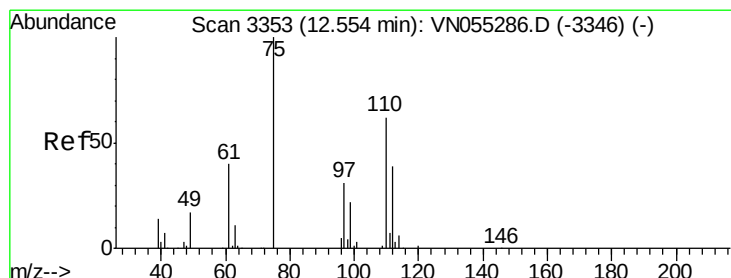
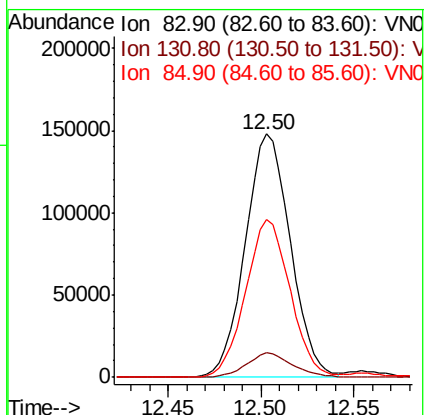
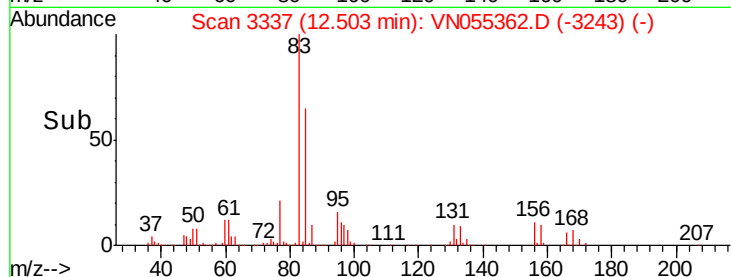
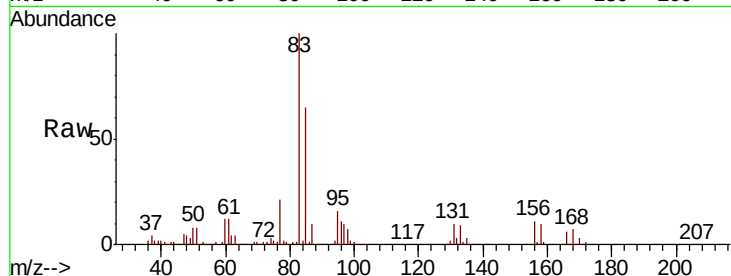
Tot Ion: 83 Resp: 249309

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 63.5 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 71.039 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055362.D

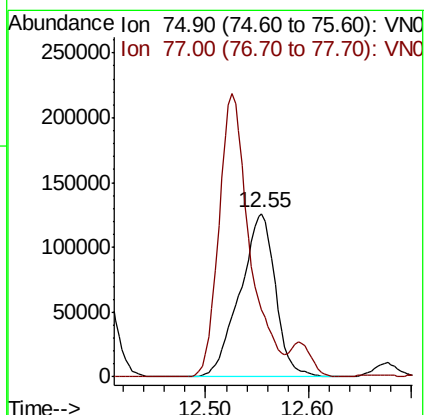
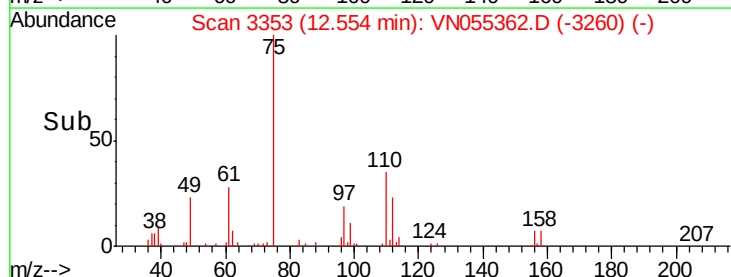
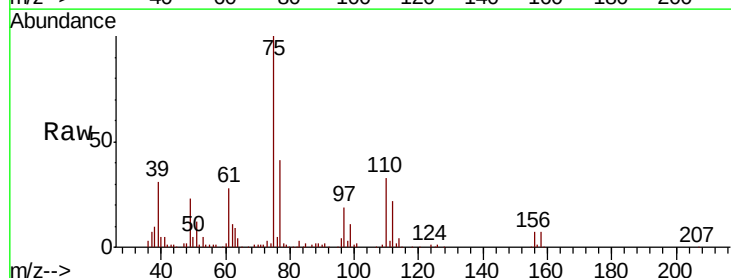
Acq: 2 May 2019 20:56

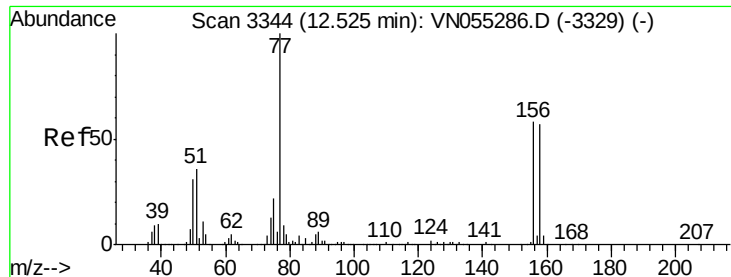
Tgt Ion: 75 Resp: 300458

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.062 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

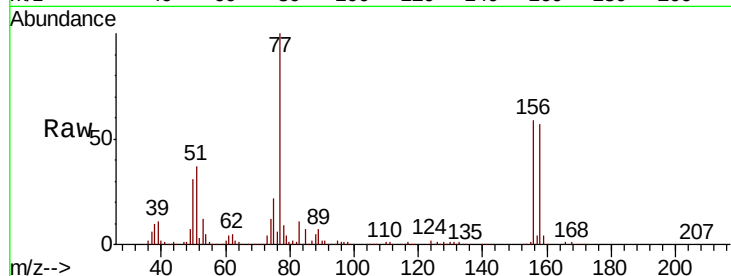
Tot Ion:156 Resp: 224794

Ion Ratio Lower Upper

156 100

77 202.3 99.6 298.8

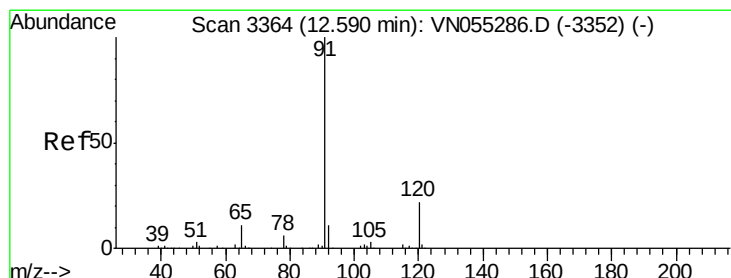
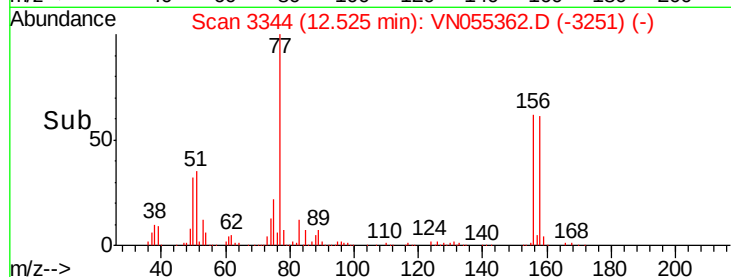
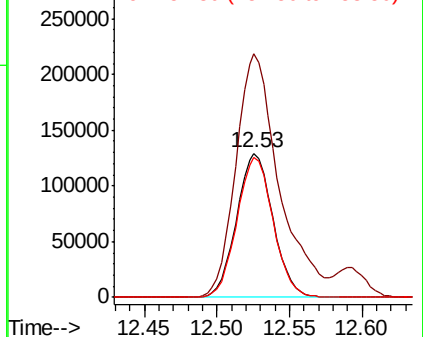
158 96.9 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.782 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055362.D

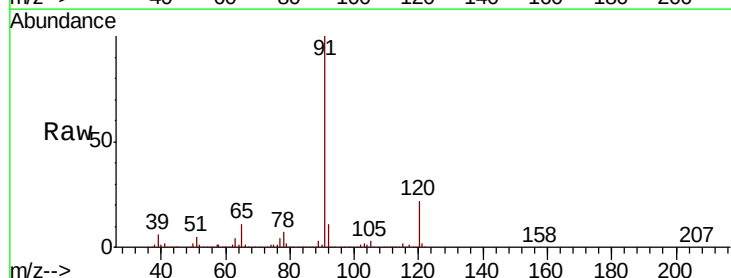
Acq: 2 May 2019 20:56

Tgt Ion: 91 Resp: 1038835

Ion Ratio Lower Upper

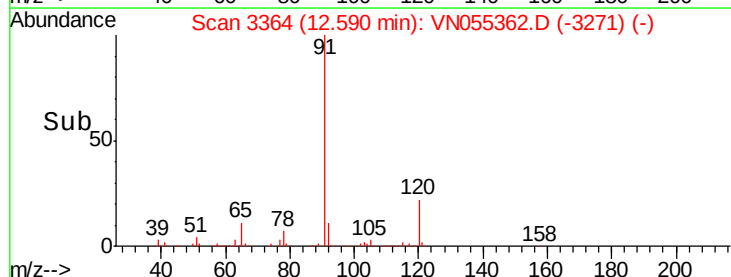
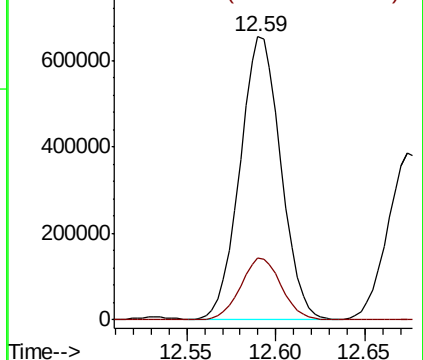
91 100

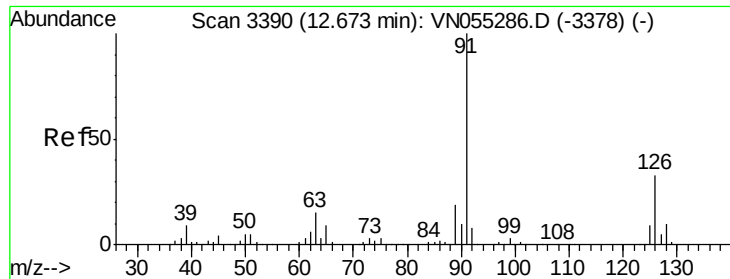
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.896 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

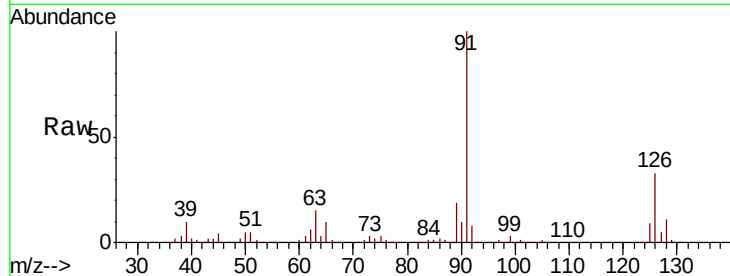
VSTDCCC050

Tot Ion: 91 Resp: 636550

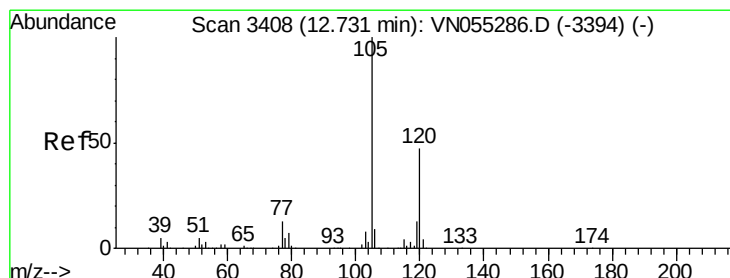
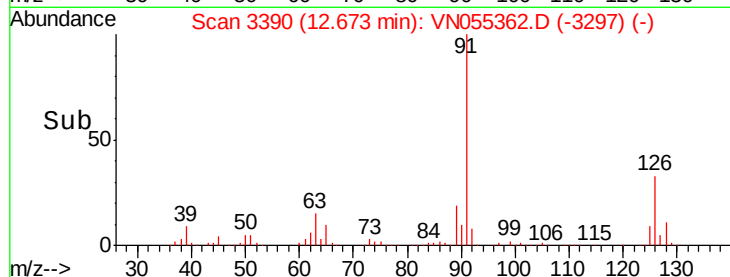
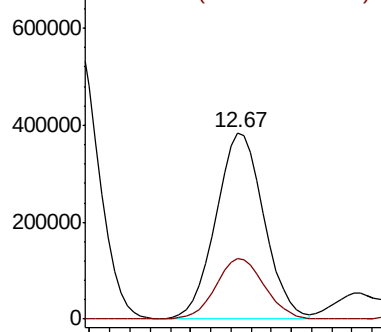
Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.879 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055362.D

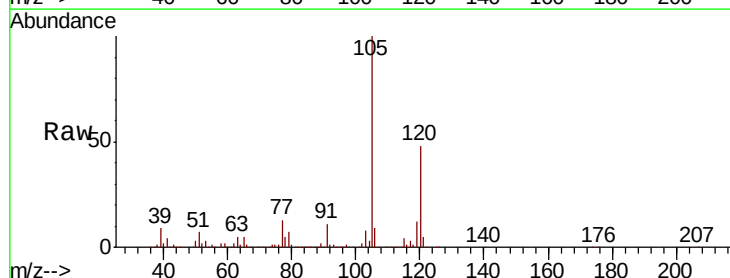
Acq: 2 May 2019 20:56

Tgt Ion: 105 Resp: 794607

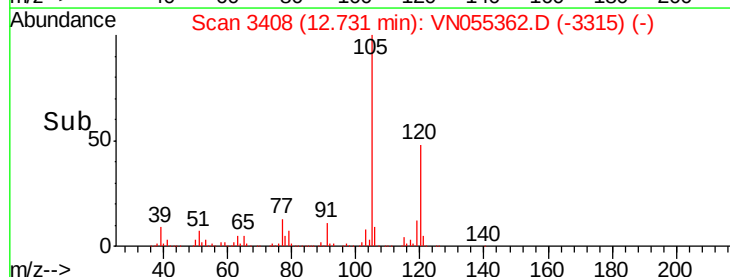
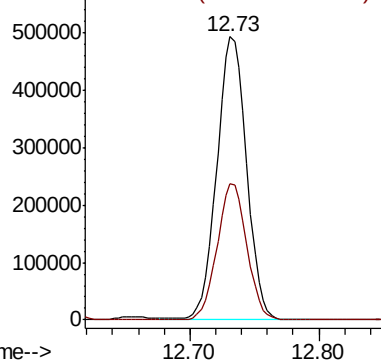
Ion Ratio Lower Upper

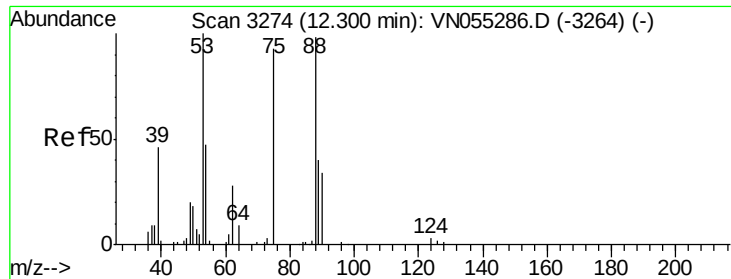
105 100

120 47.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.019 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

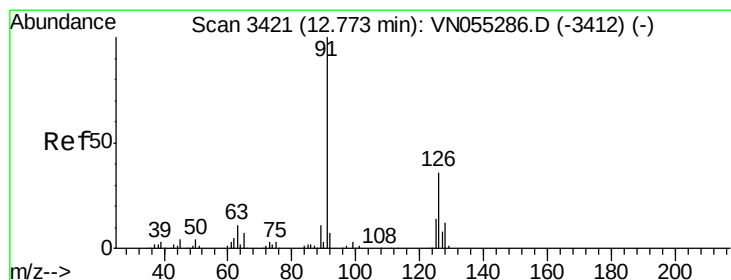
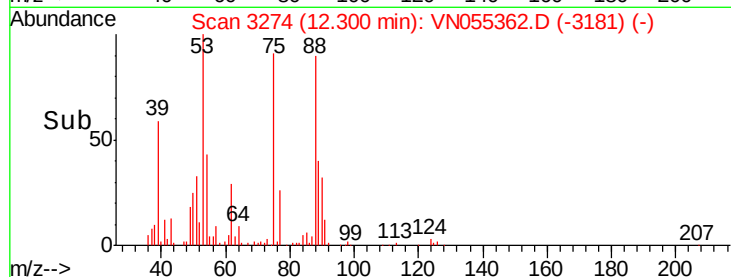
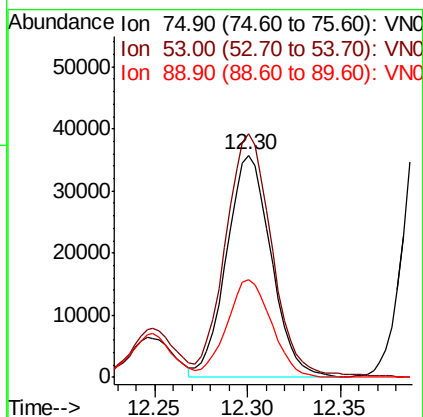
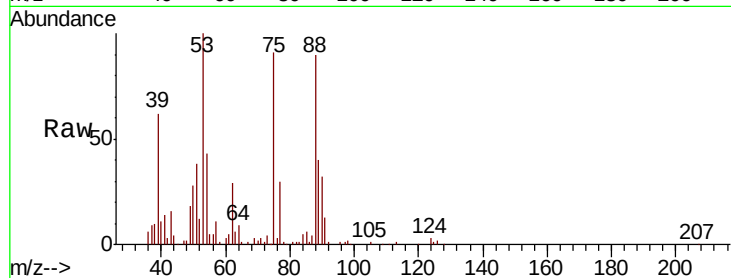
Tot Ion: 75 Resp: 59749

Ion Ratio Lower Upper

75 100

53 114.3 86.3 129.5

89 44.0 34.6 51.8



#82

4-Chlorotoluene

Concen: 45.011 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055362.D

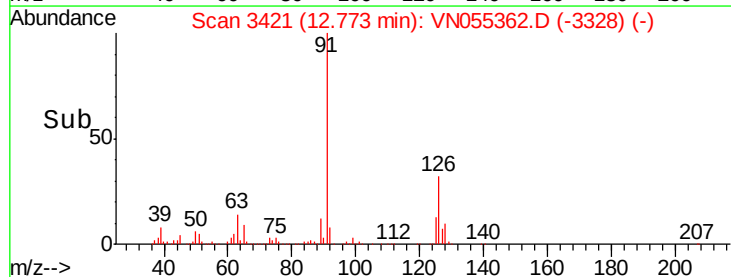
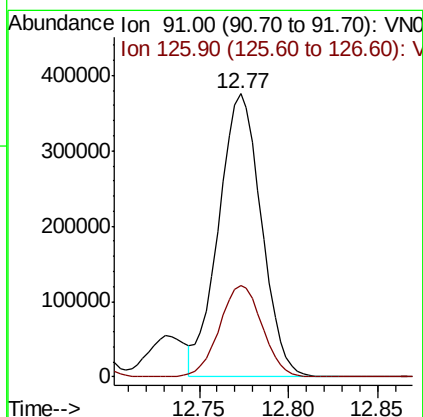
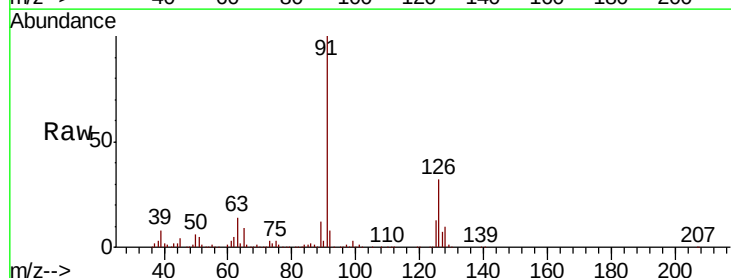
Acq: 2 May 2019 20:56

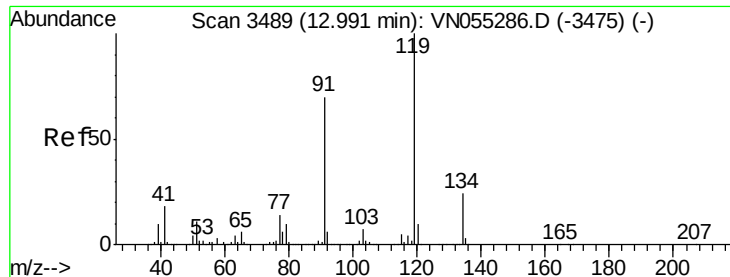
Tgt Ion: 91 Resp: 620967

Ion Ratio Lower Upper

91 100

126 32.4 16.6 49.7

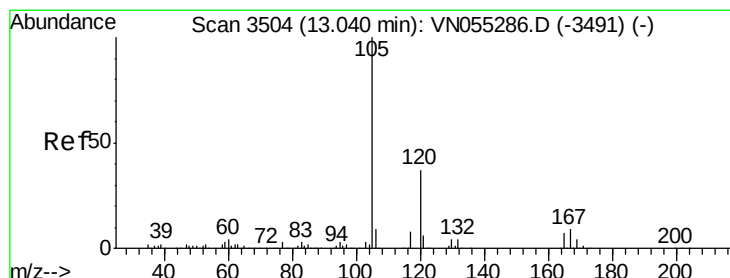
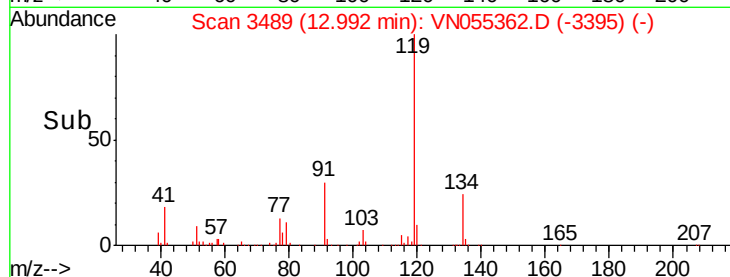
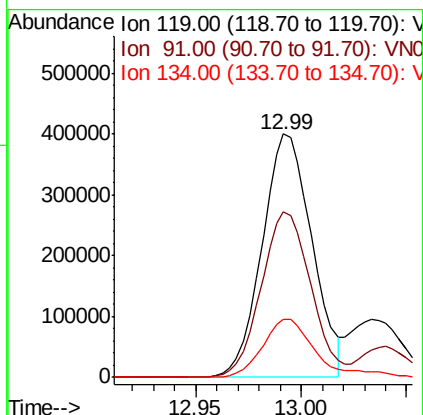
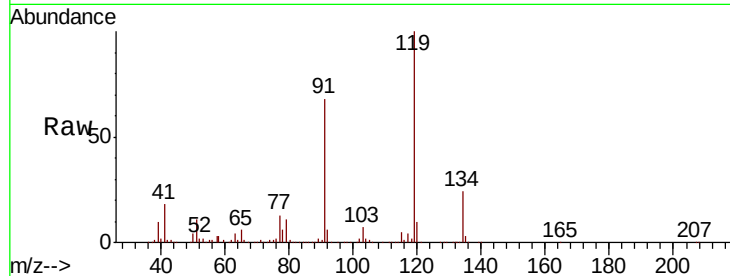




#83
 tert-Butylbenzene
 Concen: 51.386 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

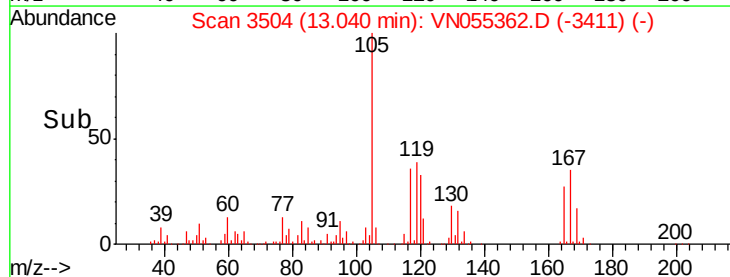
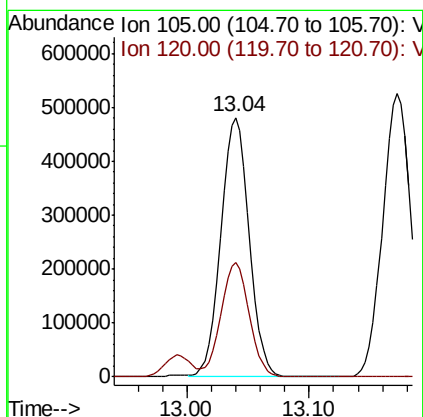
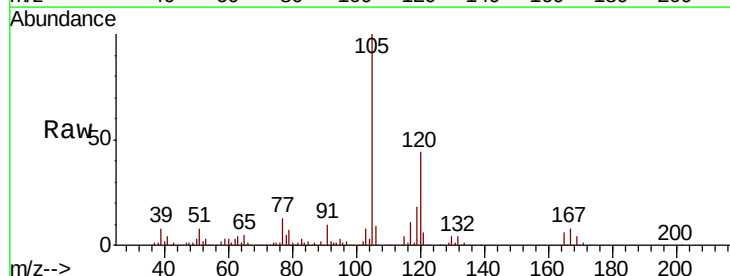
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

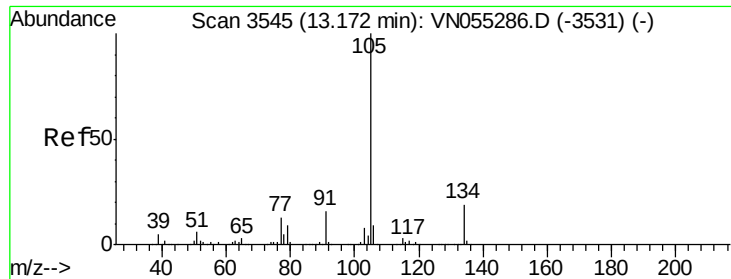
Tot Ion:119 Resp: 657614
 Ion Ratio Lower Upper
 119 100
 91 67.4 34.3 102.9
 134 25.6 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 48.410 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Tgt Ion:105 Resp: 784035
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5

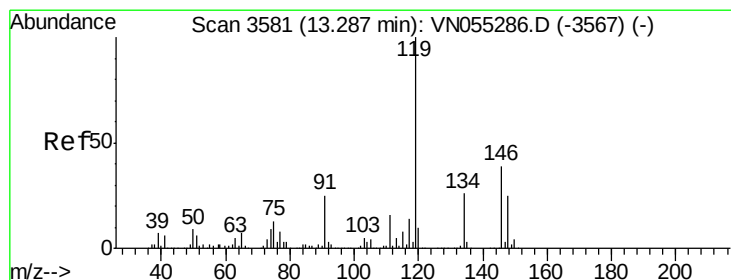
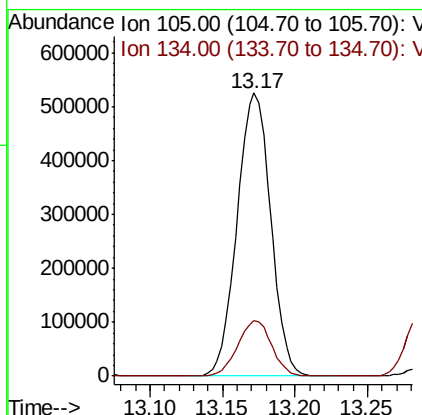
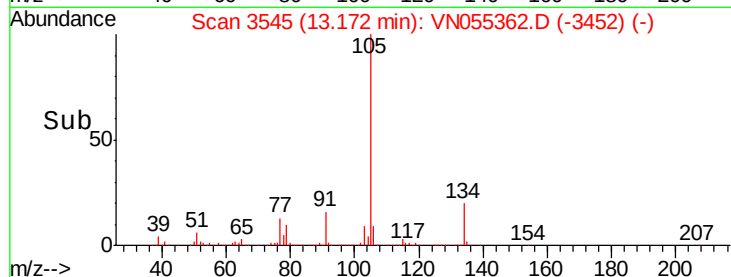
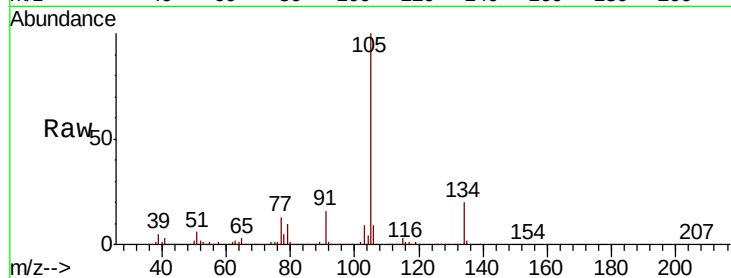




#85
 sec-Butylbenzene
 Concen: 43.029 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

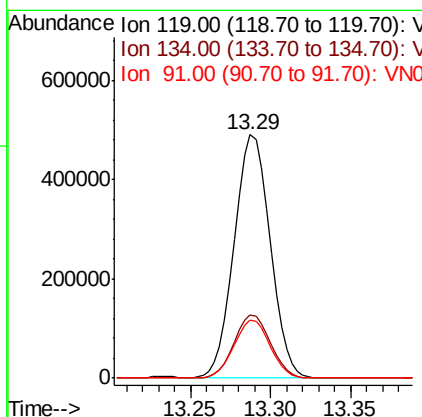
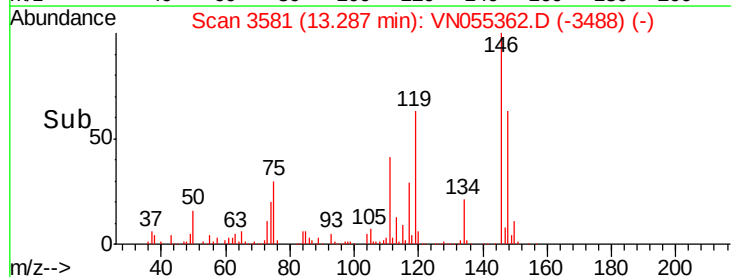
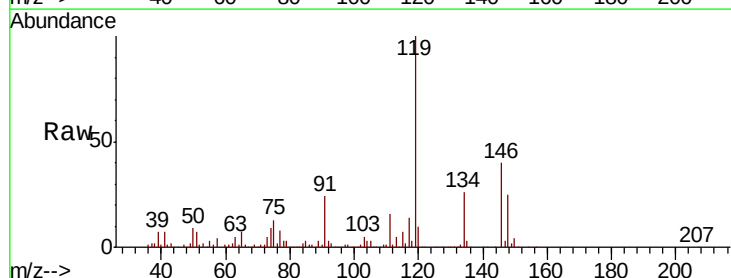
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

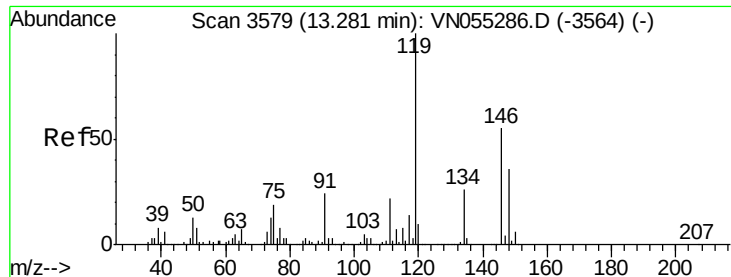
Tot Ion:105 Resp: 846915
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 46.376 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Tgt Ion:119 Resp: 750239
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 23.8 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 47.948 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

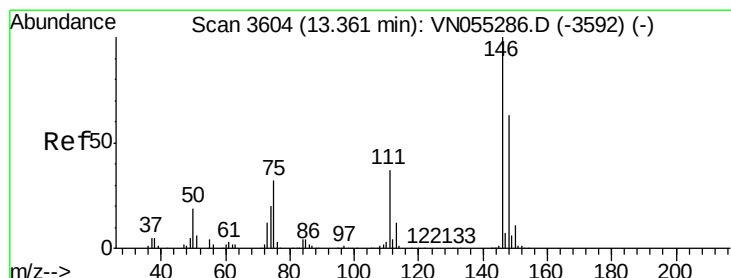
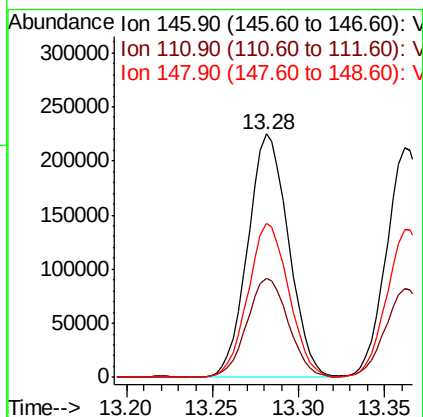
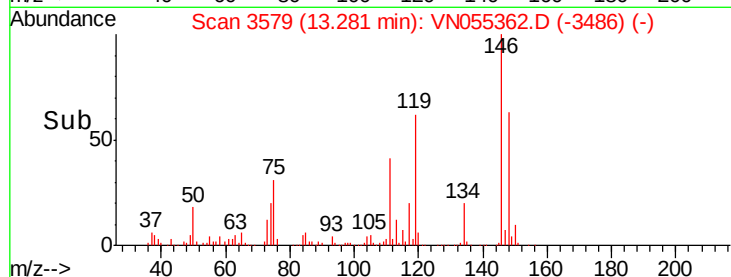
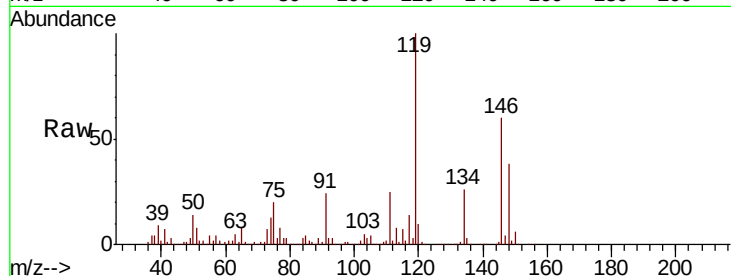
Tot Ion:146 Resp: 370613

Ion Ratio Lower Upper

146 100

111 40.8 20.3 60.8

148 63.2 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 48.898 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

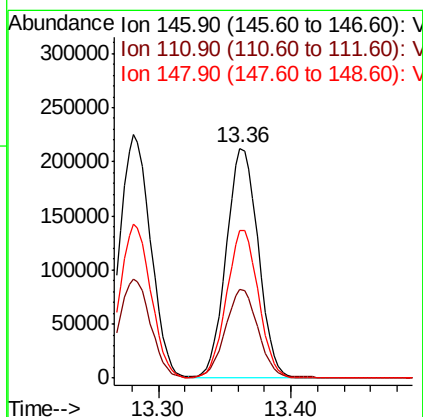
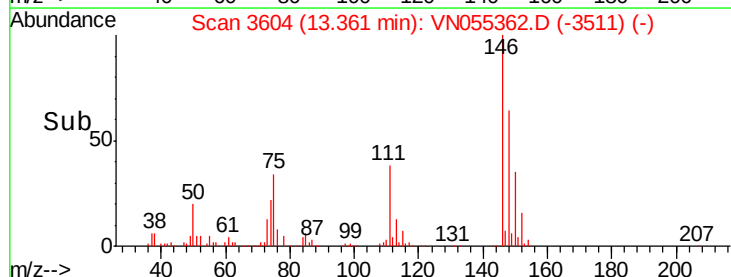
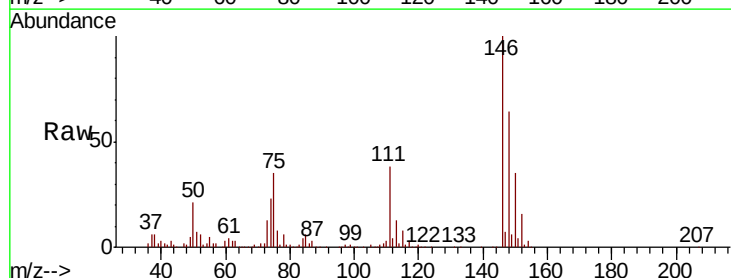
Tgt Ion:146 Resp: 355933

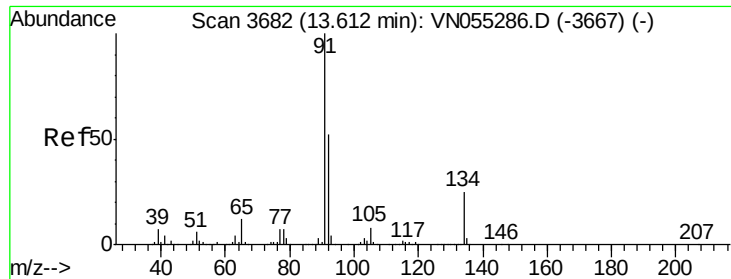
Ion Ratio Lower Upper

146 100

111 39.5 19.5 58.5

148 64.2 32.5 97.4





#89

n-Butylbenzene

Concen: 51.322 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

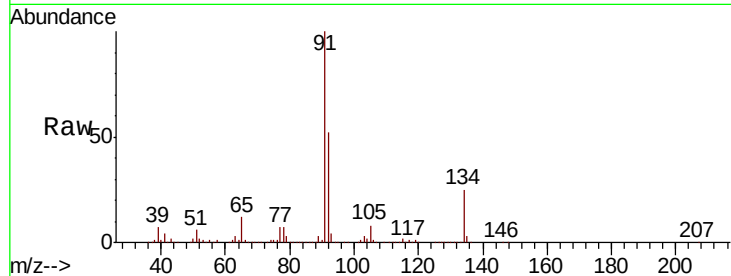
Tot Ion: 91 Resp: 589966

Ion Ratio Lower Upper

91 100

92 52.1 26.1 78.3

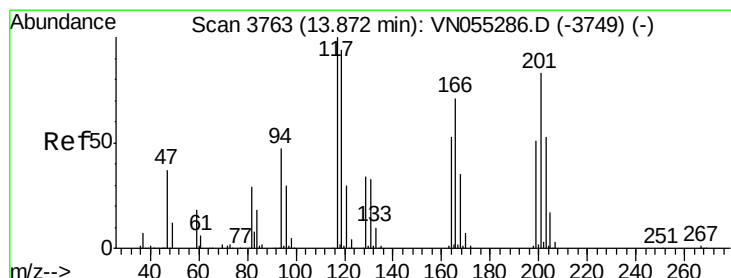
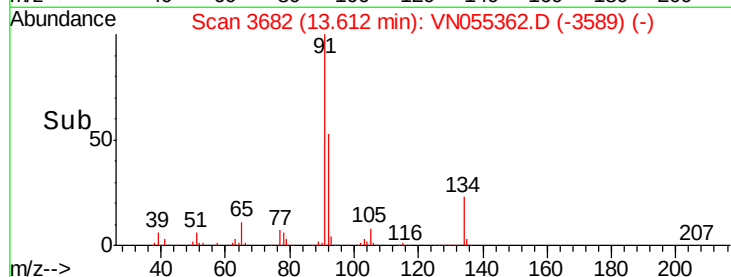
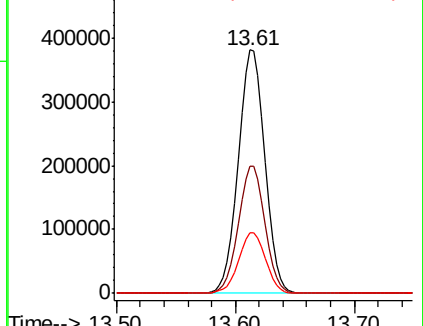
134 25.1 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055362.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN055362.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN055362.D (-3669) (-)



#90

Hexachloroethane

Concen: 46.736 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055362.D

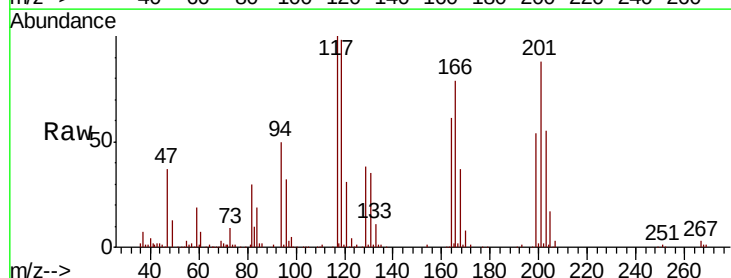
Acq: 2 May 2019 20:56

Tgt Ion: 117 Resp: 119976

Ion Ratio Lower Upper

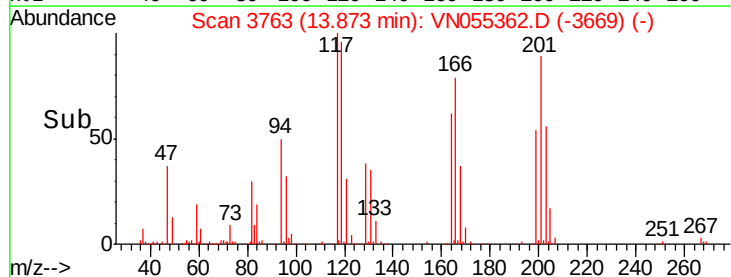
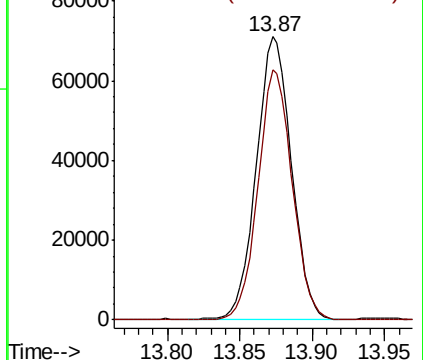
117 100

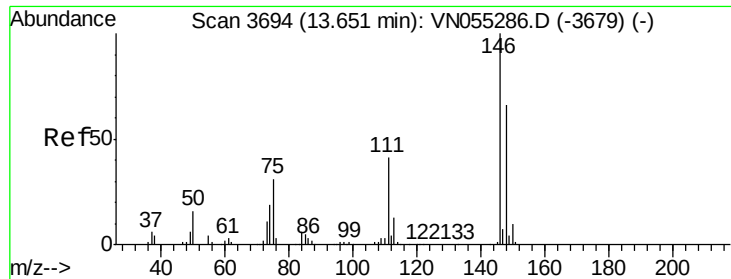
201 86.0 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055362.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN055362.D (-3669) (-)

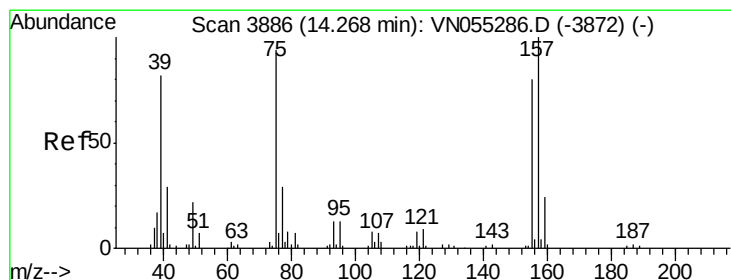
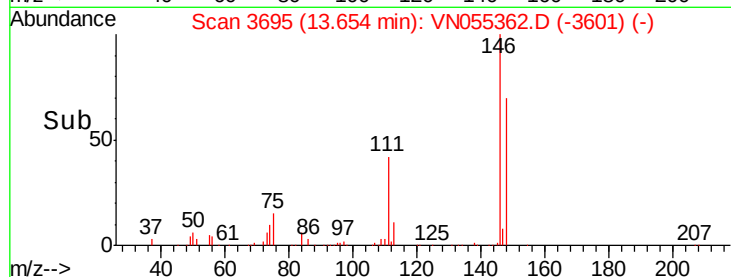
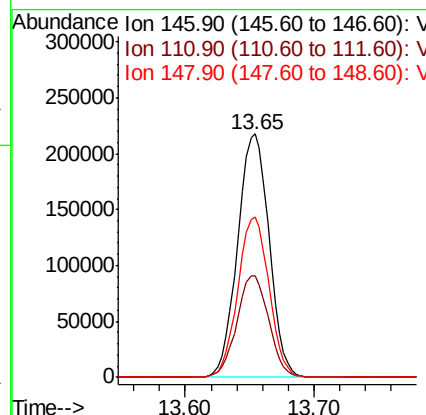
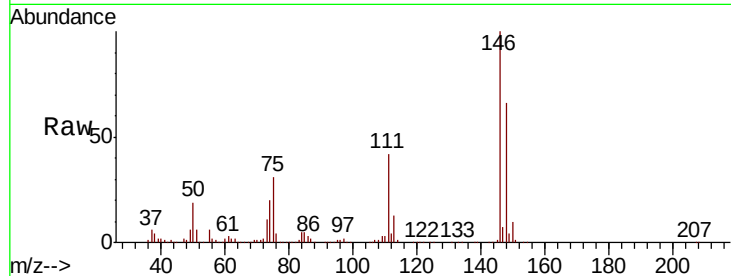




#91
 1,2-Dichlorobenzene
 Concen: 48.230 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

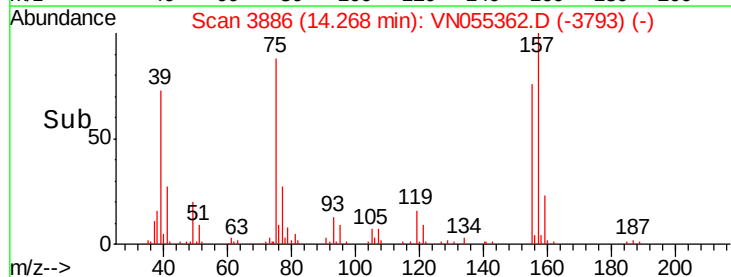
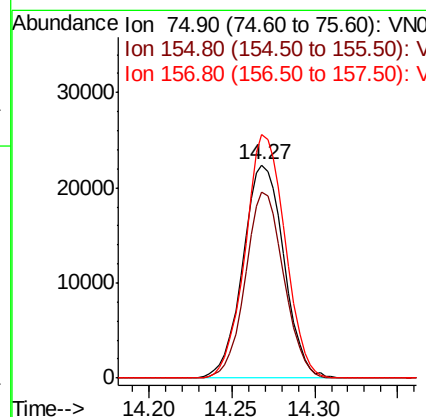
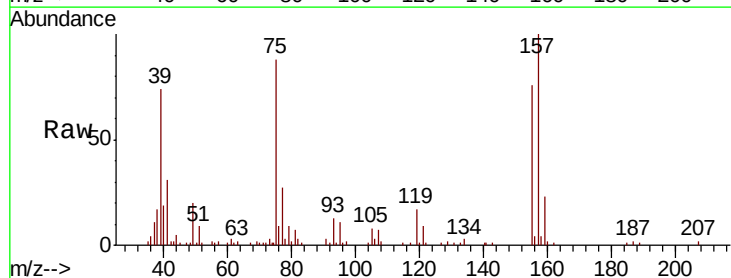
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

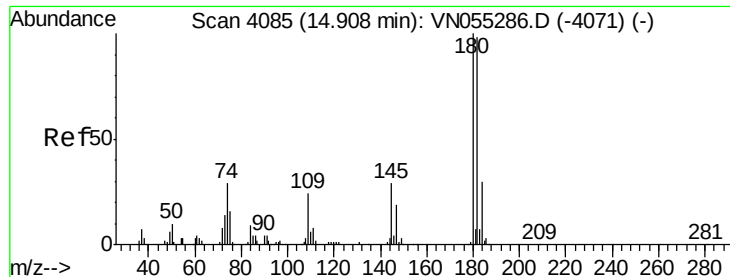
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.3	61.0
148	65.2	32.4	97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.403 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	41.5	124.6
157	111.0	54.0	162.2

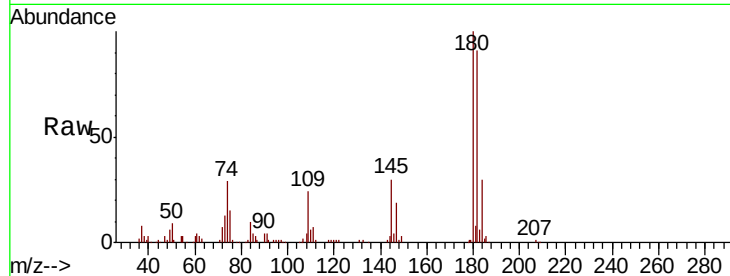




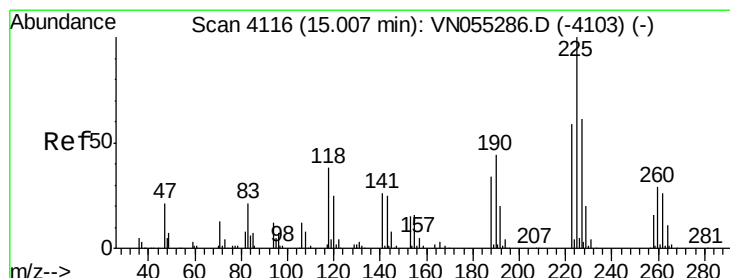
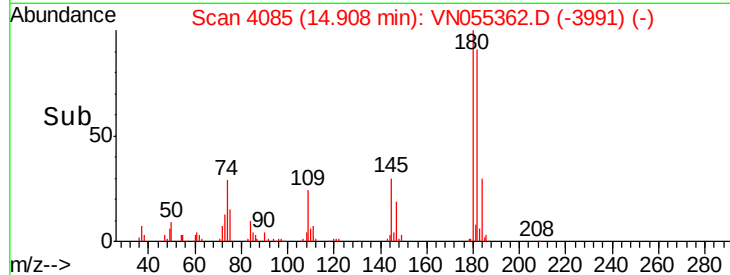
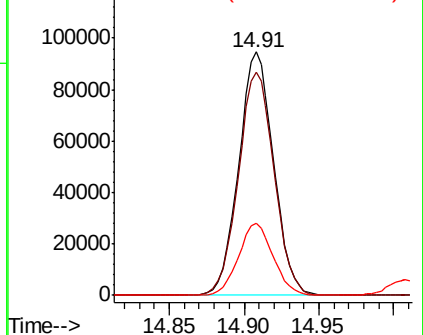
#93
 1,2,4-Trichlorobenzene
 Concen: 50.541 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 152761
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.3 144.9
 145 29.5 14.2 42.6

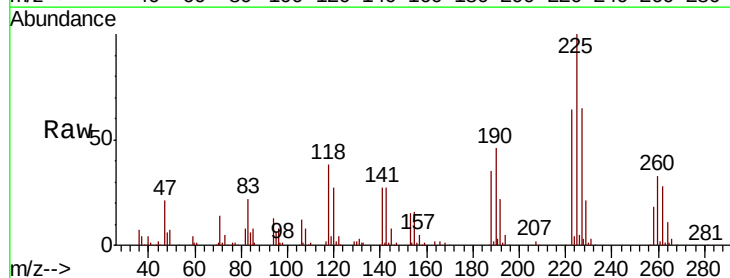


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

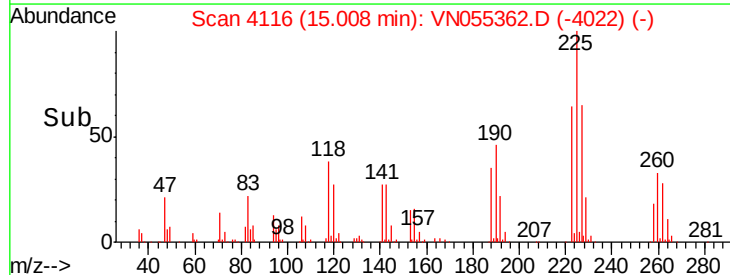
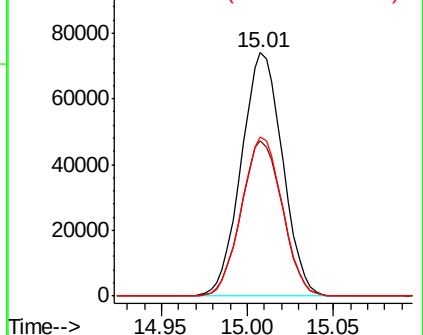


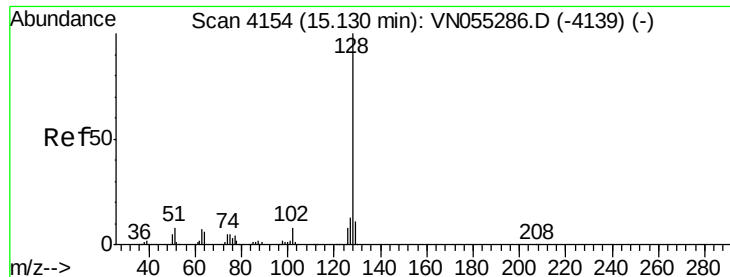
#94
 Hexachlorobutadiene
 Concen: 53.663 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055362.D
 Acq: 2 May 2019 20:56

Tgt Ion:225 Resp: 123233
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.3 90.8
 227 64.8 30.9 92.7



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: 50.268 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

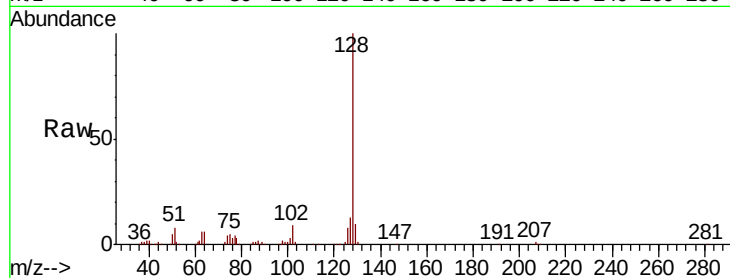
Tot Ion:128 Resp: 322870

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

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

15.13

250000

200000

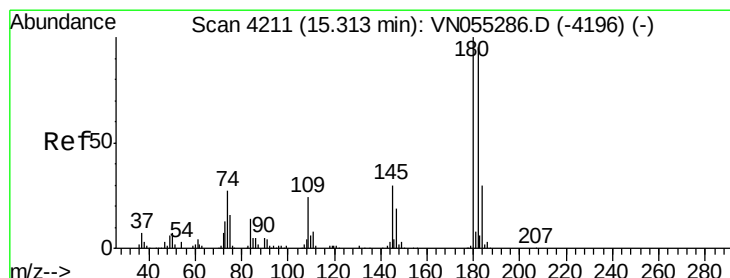
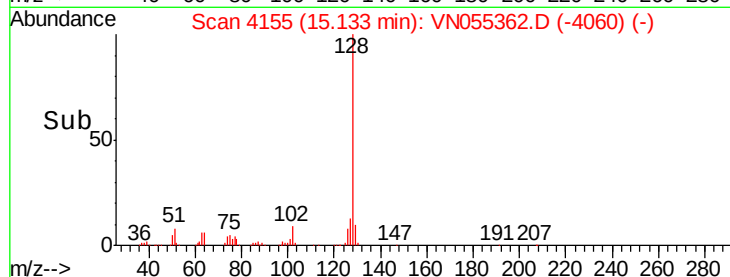
150000

100000

50000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 53.024 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055362.D

Acq: 2 May 2019 20:56

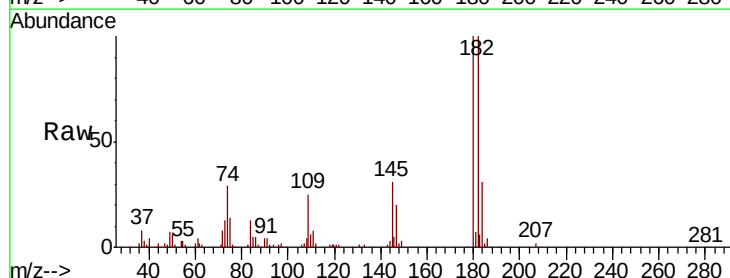
Tgt Ion:180 Resp: 158206

Ion Ratio Lower Upper

180 100

182 96.0 48.3 144.9

145 31.3 15.2 45.6



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

120000

100000

80000

60000

40000

20000

0

Time-->

