

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056273.D
 Acq On : 13 Jun 2019 11:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 01:10:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	336720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	503548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	453142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	200558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	184609	55.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.44%	
35) Dibromofluoromethane	7.59	113	167177	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	10.09	98	617180	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	213758	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	179404	48.509	ug/l 98
3) Chloromethane	2.06	50	194518	53.292	ug/l 99
4) Vinyl Chloride	2.18	62	194396	53.094	ug/l 98
5) Bromomethane	2.53	94	115973	50.143	ug/l 98
6) Chloroethane	2.68	64	110341	51.978	ug/l 99
7) Trichlorofluoromethane	3.00	101	246340	52.703	ug/l 100
8) Diethyl Ether	3.40	74	97046	50.488	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	160116	56.392	ug/l 98
10) Methyl Iodide	3.94	142	224080	49.662	ug/l 99
11) Tert butyl alcohol	4.81	59	149414	256.807	ug/l 100
12) 1,1-Dichloroethene	3.72	96	148427	52.508	ug/l 99
13) Acrolein	3.60	56	40995	244.309	ug/l 96
14) Allyl chloride	4.31	41	246760	55.284	ug/l 99
15) Acrylonitrile	4.99	53	422457	298.282	ug/l 100
16) Acetone	3.82	43	446441	279.197	ug/l 100
17) Carbon Disulfide	4.04	76	332958	49.195	ug/l 100
18) Methyl Acetate	4.32	43	195164	62.278	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	489506	54.328	ug/l 99
20) Methylene Chloride	4.54	84	175027	53.129	ug/l 98
21) trans-1,2-Dichloroethene	5.03	96	157161	51.890	ug/l 100
22) Diisopropyl ether	5.95	45	514306	55.741	ug/l 99
23) Vinyl Acetate	5.89	43	2080609	286.344	ug/l 100
24) 1,1-Dichloroethane	5.84	63	298129	56.015	ug/l 100
25) 2-Butanone	6.84	43	596684	295.343	ug/l 99
26) 2,2-Dichloropropane	6.82	77	215161	51.807	ug/l 99
27) cis-1,2-Dichloroethene	6.82	96	188547	52.960	ug/l 98
28) Bromochloromethane	7.19	49	145853	57.948	ug/l 95
29) Tetrahydrofuran	7.21	42	365480	292.657	ug/l 98
30) Chloroform	7.37	83	301371	56.288	ug/l 98
31) Cyclohexane	7.65	56	269096	50.723	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	245882	54.994	ug/l 98
36) 1,1-Dichloropropene	7.79	75	217447	50.221	ug/l 99
37) Ethyl Acetate	6.93	43	218617	56.747	ug/l 99
38) Carbon Tetrachloride	7.77	117	212407	53.210	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	275504	51.079	ug/l	100
40) Benzene	8.04	78	681272	51.805	ug/l	100
41) Methacrylonitrile	7.17	41	108328	61.116	ug/l	99
42) 1,2-Dichloroethane	8.12	62	222621	52.628	ug/l	100
43) Isopropyl Acetate	8.17	43	333674	53.449	ug/l #	92
44) Trichloroethene	8.83	130	189210	50.071	ug/l	99
45) 1,2-Dichloropropane	9.12	63	184800	54.862	ug/l	100
46) Dibromomethane	9.21	93	120019	54.487	ug/l	97
47) Bromodichloromethane	9.40	83	232029	58.121	ug/l	98
48) Methyl methacrylate	9.20	41	174064	56.992	ug/l	98
49) 1,4-Dioxane	9.20	88	70492	1069.100	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1102941	282.519	ug/l	99
52) Toluene	10.15	92	425713	52.023	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	233322	49.856	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	271751	56.630	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	175645	54.187	ug/l	97
56) Ethyl methacrylate	10.43	69	259538	54.883	ug/l	98
57) 1,3-Dichloropropane	10.71	76	290747	55.176	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	418148	224.623	ug/l	98
59) 2-Hexanone	10.75	43	798650	282.259	ug/l	99
60) Dibromochloromethane	10.90	129	186400	52.035	ug/l	99
61) 1,2-Dibromoethane	11.00	107	182273	55.005	ug/l	100
64) Tetrachloroethene	10.63	164	183612	46.811	ug/l	99
65) Chlorobenzene	11.43	112	468562	51.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	174425	56.014	ug/l	100
67) Ethyl Benzene	11.51	91	812197	51.793	ug/l	100
68) m/p-Xylenes	11.62	106	618178	103.192	ug/l	99
69) o-Xylene	11.95	106	302537	51.341	ug/l	98
70) Styrene	11.96	104	512809	54.772	ug/l	100
71) Bromoform	12.13	173	137247	52.361	ug/l #	100
73) Isopropylbenzene	12.25	105	805633	56.678	ug/l	100
74) N-amyl acetate	12.07	43	284702	53.253	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	247442	53.147	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	289205	78.368	ug/l #	100
77) Bromobenzene	12.53	156	211813	49.329	ug/l	99
78) n-propylbenzene	12.59	91	886443	52.245	ug/l	100
79) 2-Chlorotoluene	12.67	91	536919	57.395	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	674672	50.032	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60909	54.965	ug/l	89
82) 4-Chlorotoluene	12.77	91	526850	53.075	ug/l	100
83) tert-Butylbenzene	12.99	119	586472	56.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	658704	51.511	ug/l	99
85) sec-Butylbenzene	13.17	105	771021	51.313	ug/l	100
86) p-Isopropyltoluene	13.29	119	695630	51.729	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	349231	52.550	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	334131	52.266	ug/l	100
89) n-Butylbenzene	13.61	91	538560	54.062	ug/l	99
90) Hexachloroethane	13.87	117	118772	58.565	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	342825	51.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39253	58.945	ug/l	99

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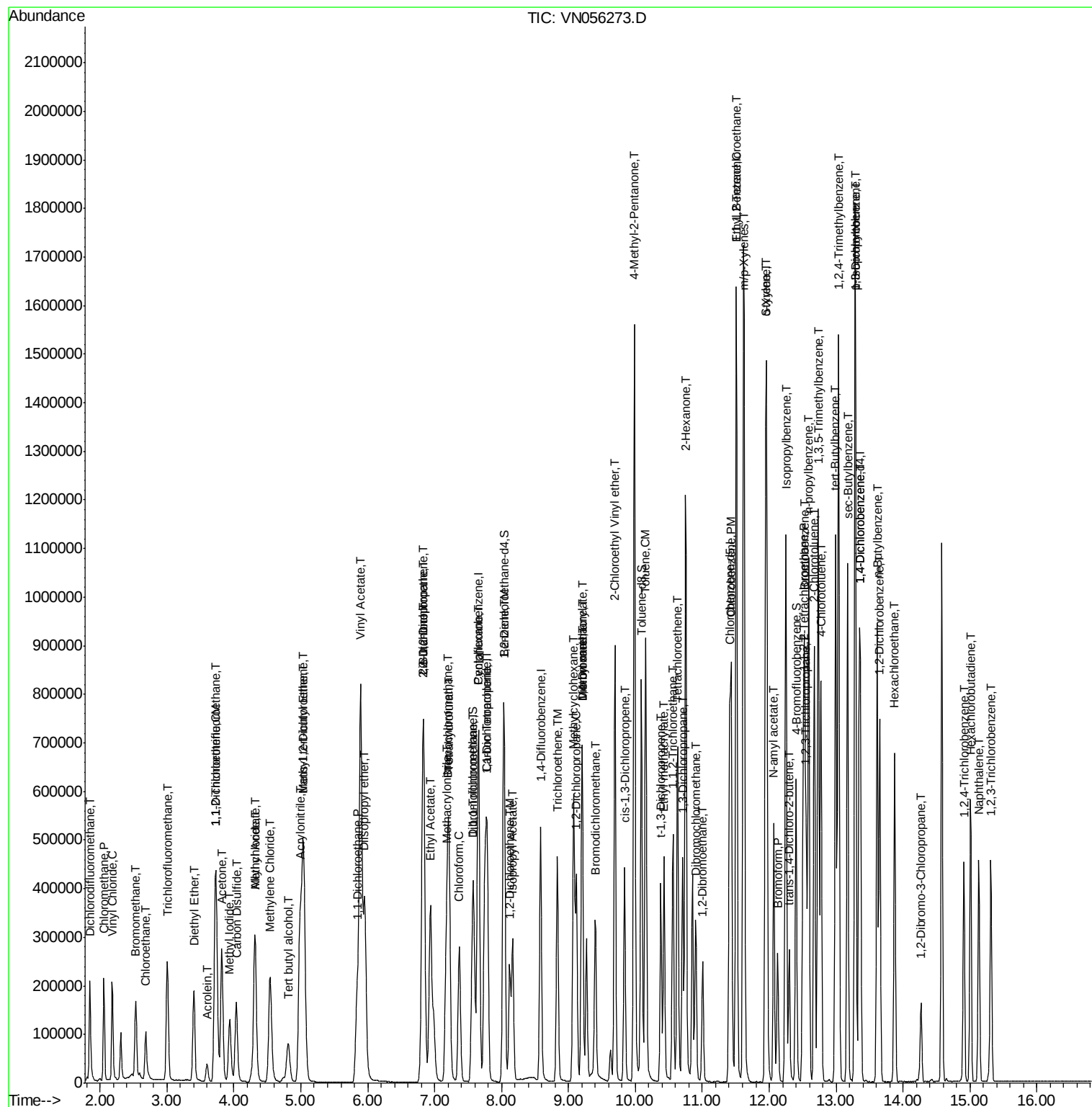
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	159186	43.647	ug/l	97
94) Hexachlorobutadiene	15.01	225	127991	55.863	ug/l	99
95) Naphthalene	15.13	128	410666	43.364	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	172080	45.930	ug/l	99

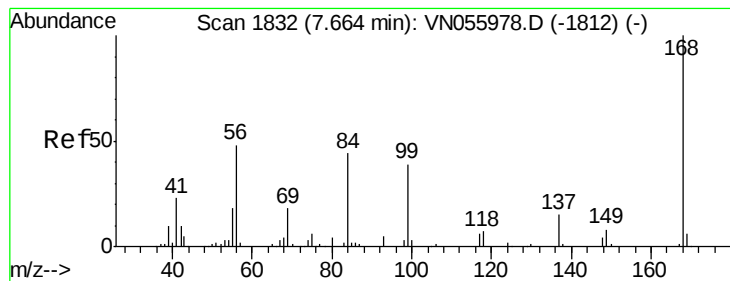
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

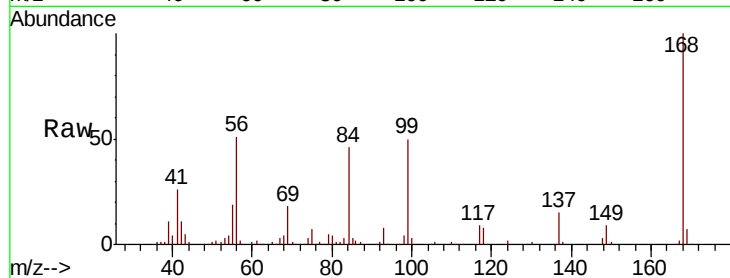
ClientSampleId :

Tot Ion:168 Resp: 336720

Ion Ratio Lower Upper

168 100

99 49.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

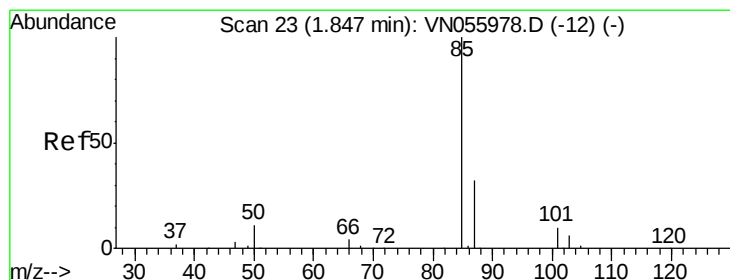
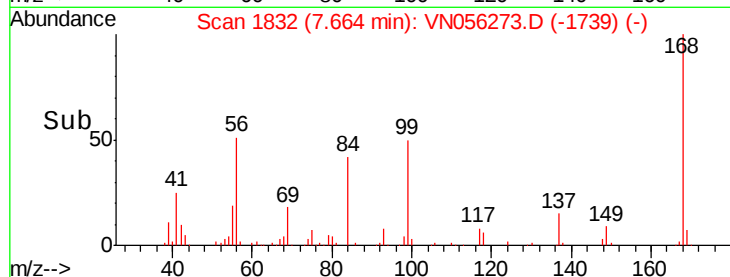
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.509 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056273.D

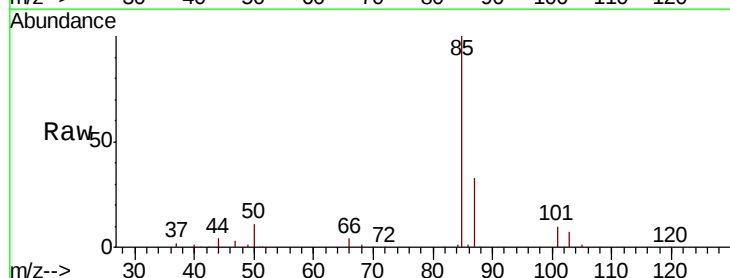
Acq: 13 Jun 2019 11:27

Tgt Ion: 85 Resp: 179404

Ion Ratio Lower Upper

85 100

87 33.2 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

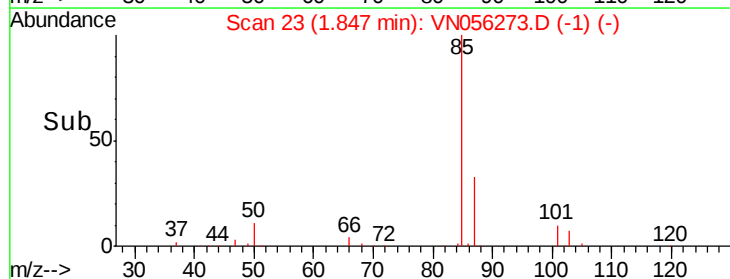
100000

50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 53.292 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

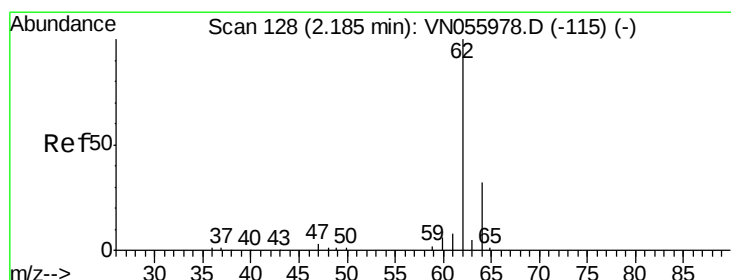
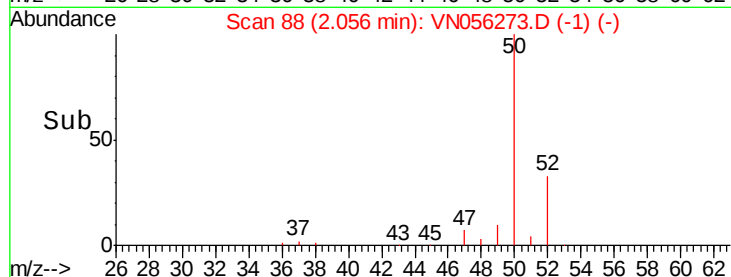
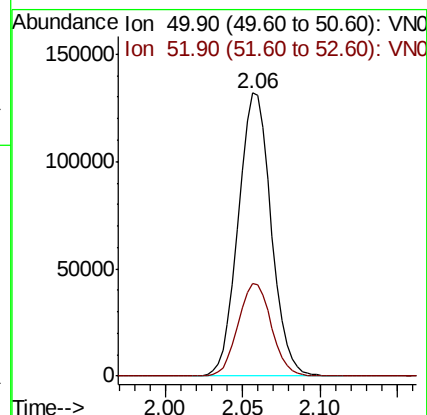
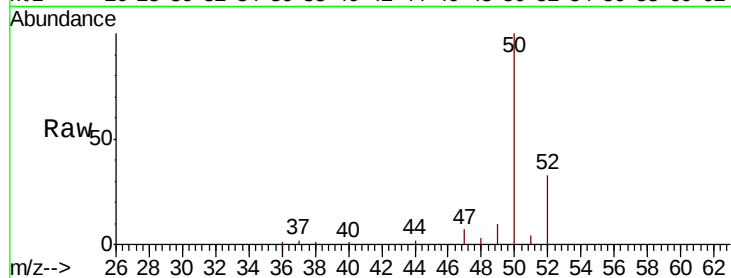
ClientSampled :

Tot Ion: 50 Resp: 194518

Ion Ratio Lower Upper

50 100

52 32.7 26.6 40.0



#4

Vinyl Chloride

Concen: 53.094 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056273.D

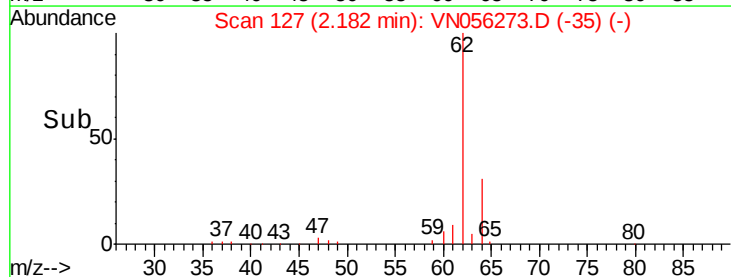
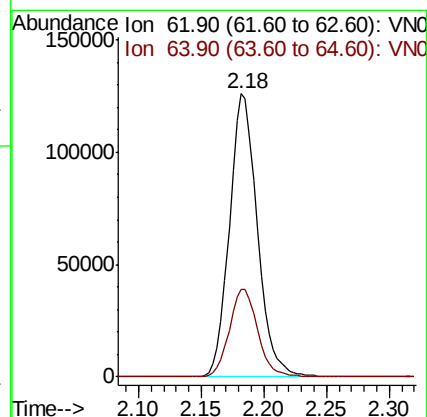
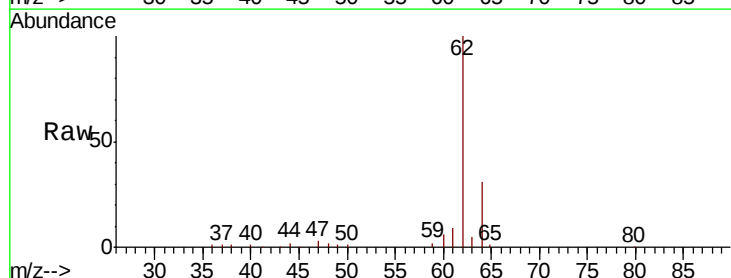
Acq: 13 Jun 2019 11:27

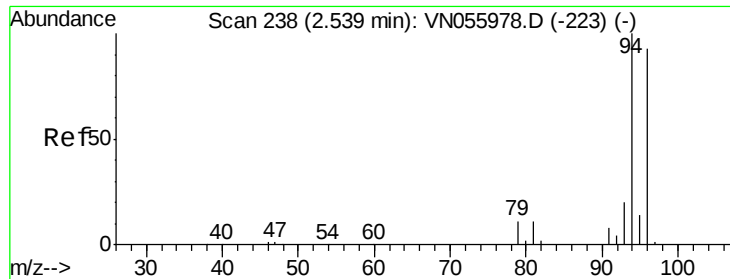
Tgt Ion: 62 Resp: 194396

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4

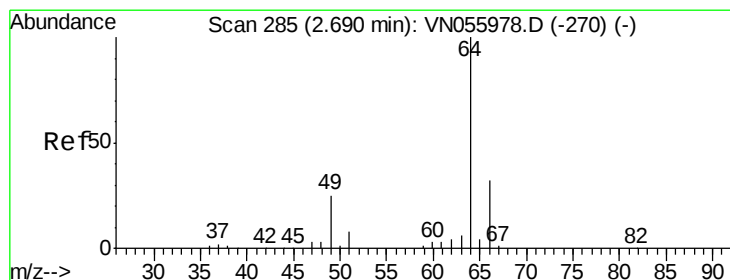
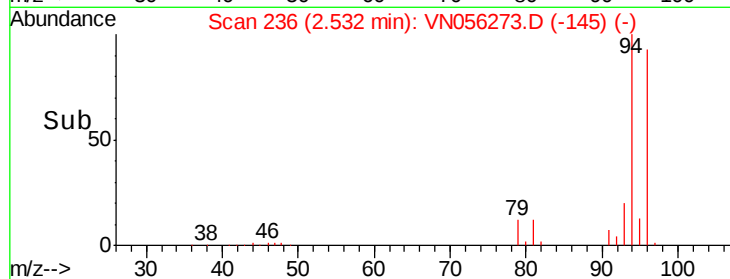
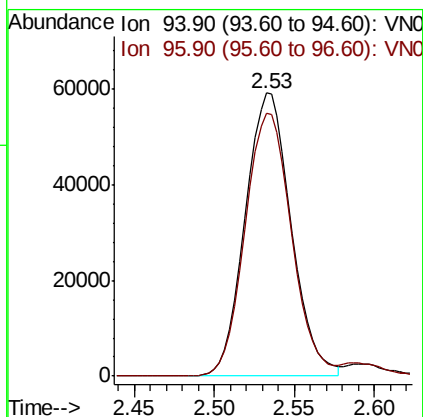
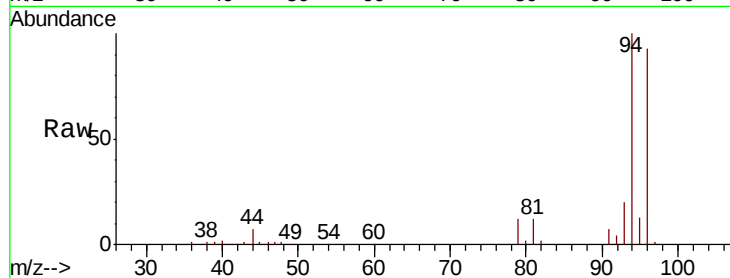




#5
Bromomethane
Concen: 50.143 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.01 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

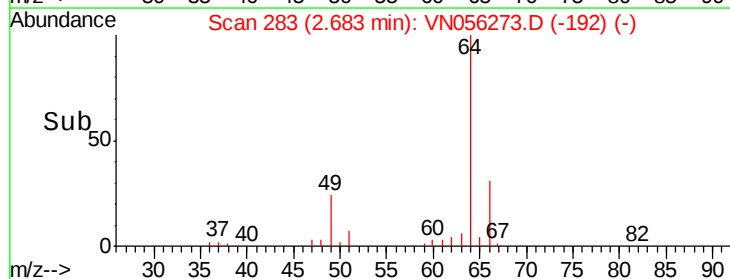
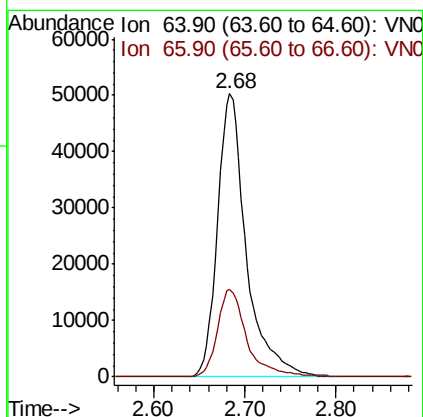
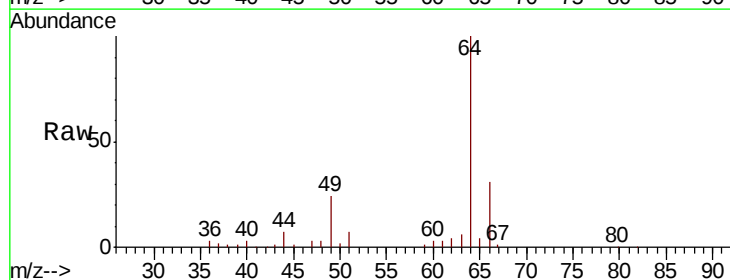
Instrument :
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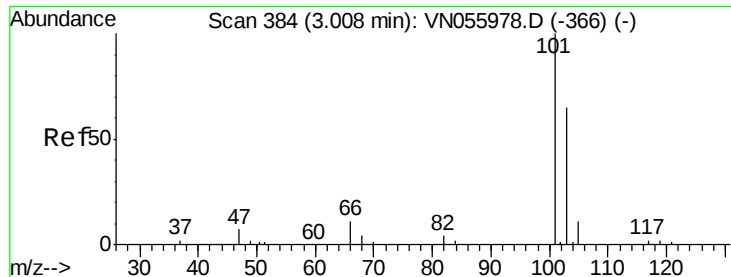
Tot Ion: 94 Resp: 115973
Ion Ratio Lower Upper
94 100
96 92.7 75.5 113.3



#6
Chloroethane
Concen: 51.978 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 64 Resp: 110341
Ion Ratio Lower Upper
64 100
66 30.9 25.4 38.0



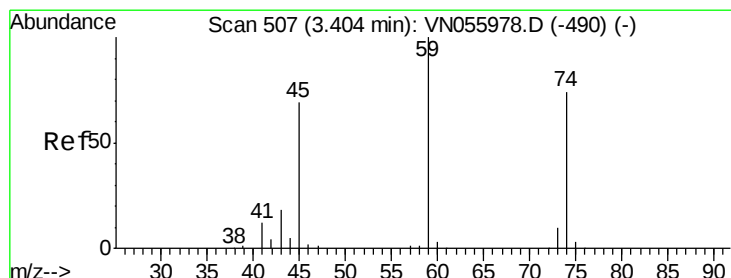
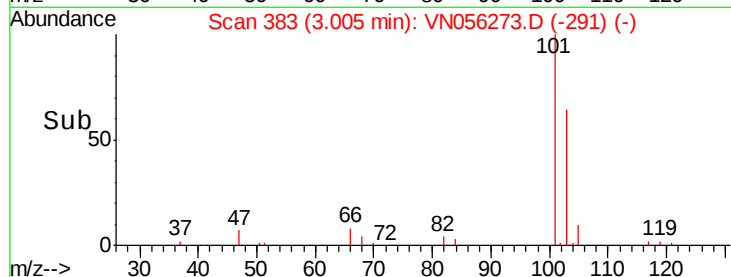
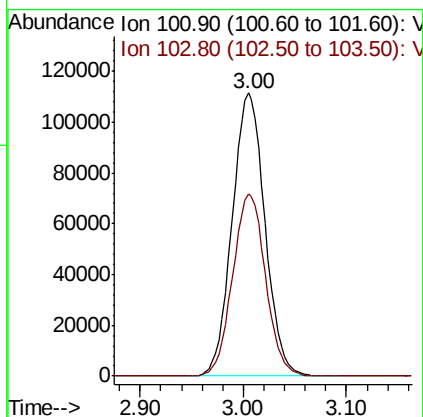
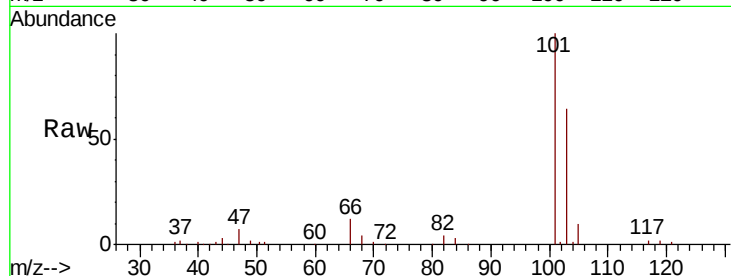


#7

Trichlorofluoromethane
Concen: 52.703 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

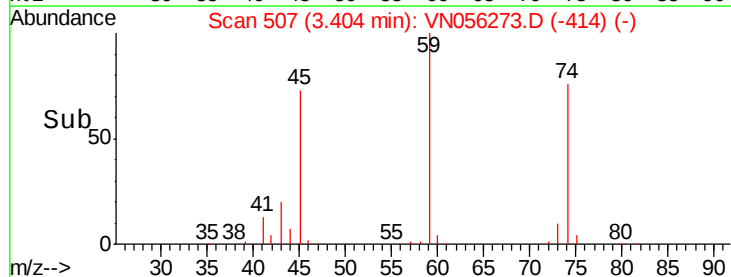
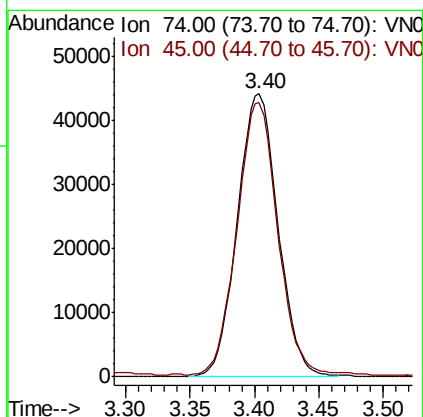
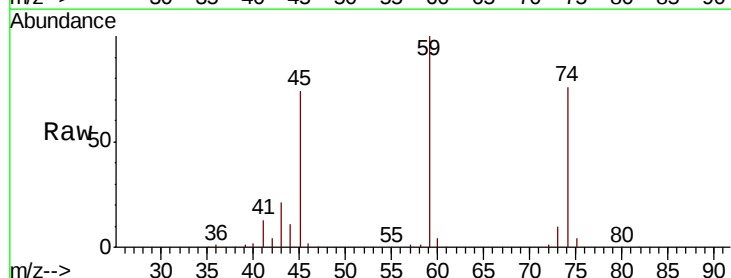
Tot Ion:101 Resp: 246340
Ion Ratio Lower Upper
101 100
103 64.3 51.2 76.8



#8

Diethyl Ether
Concen: 50.488 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 74 Resp: 97046
Ion Ratio Lower Upper
74 100
45 96.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.392 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

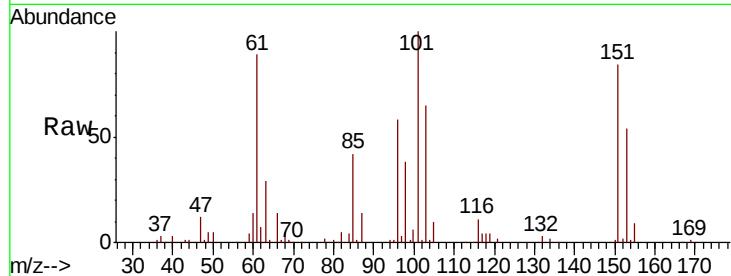
Tot Ion:101 Resp: 160116

Ion Ratio Lower Upper

101 100

85 41.3 33.4 50.2

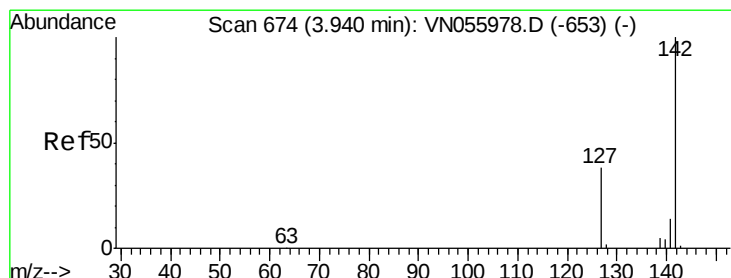
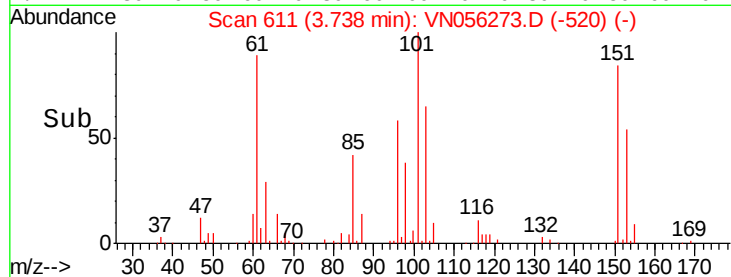
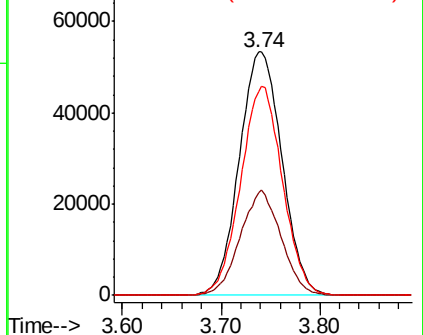
151 84.0 69.4 104.2



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: 49.662 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

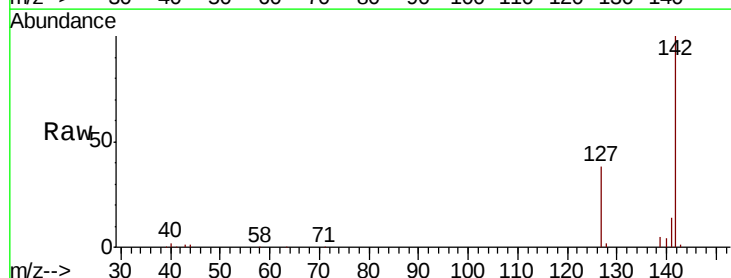
Tgt Ion:142 Resp: 224080

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.4

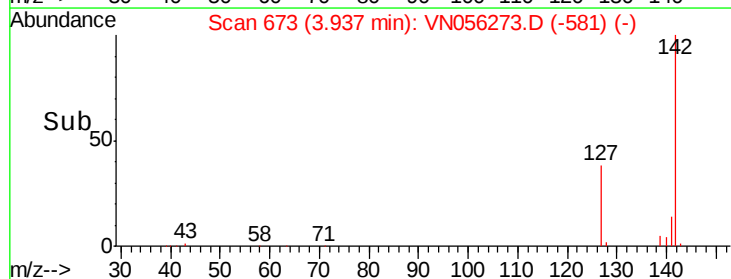
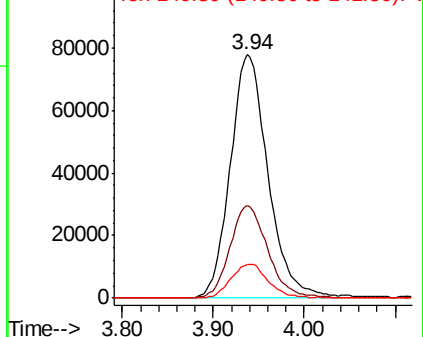
141 13.8 11.4 17.0

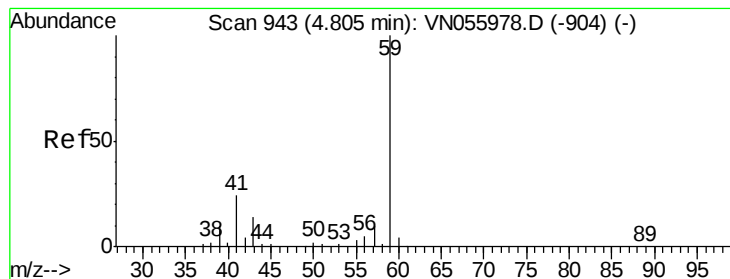


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



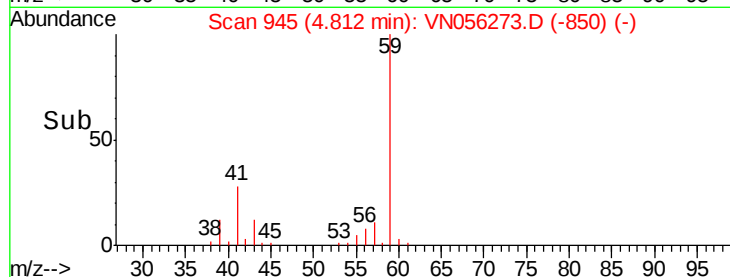
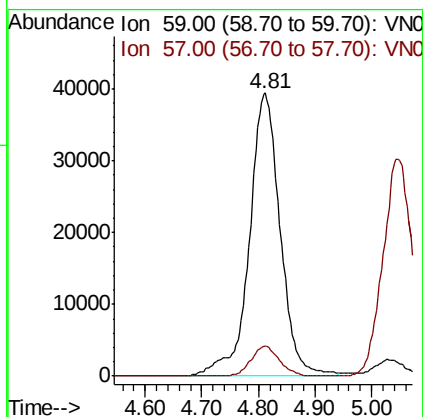
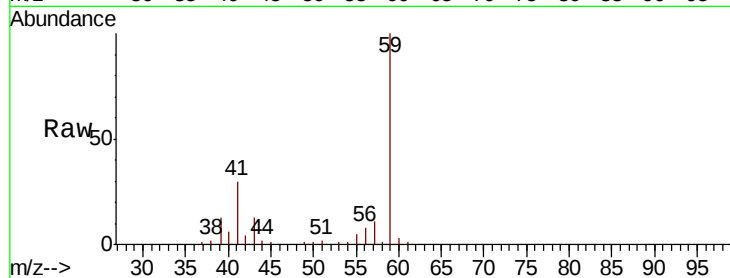


#11

Tert butyl alcohol
Concen: 256.807 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.01 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

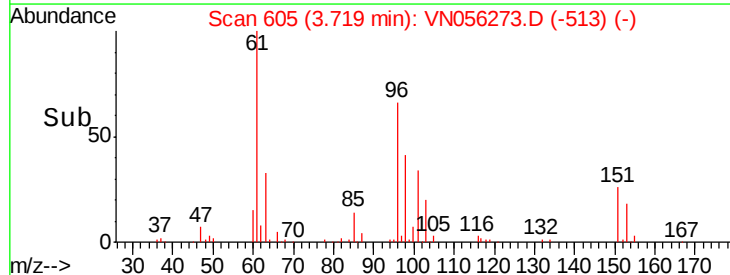
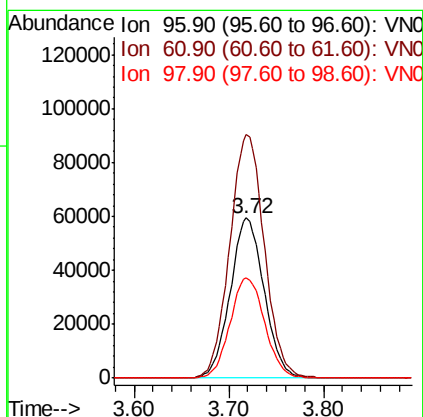
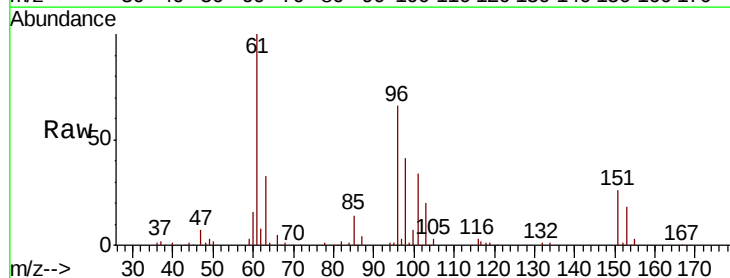
Tot Ion: 59 Resp: 149414
Ion Ratio Lower Upper
59 100
57 9.5 7.8 11.6

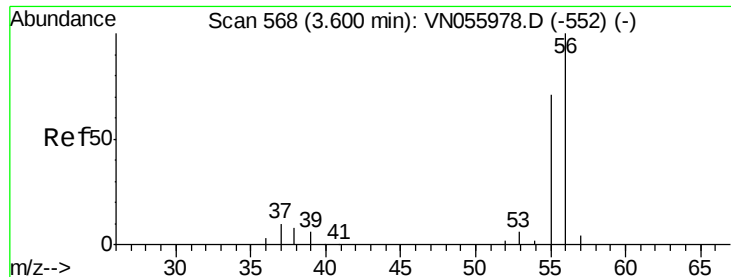


#12

1,1-Dichloroethene
Concen: 52.508 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 96 Resp: 148427
Ion Ratio Lower Upper
96 100
61 152.2 123.2 184.8
98 62.7 50.4 75.6





#13

Acrolein

Concen: 244.309 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

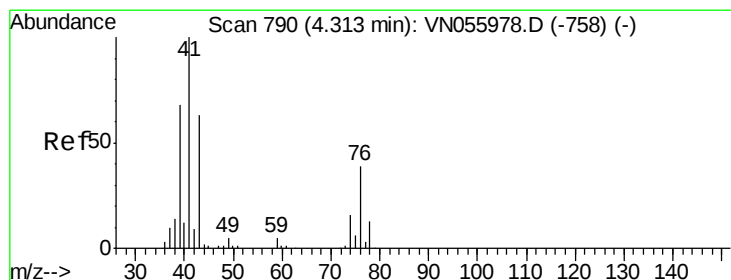
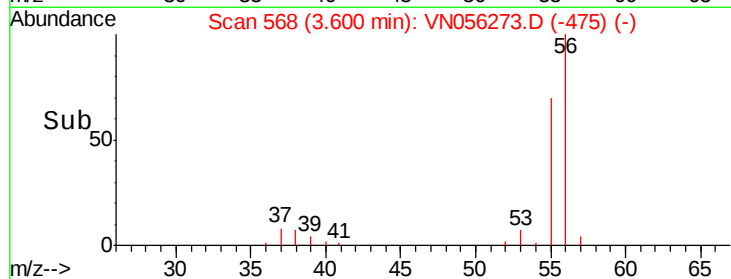
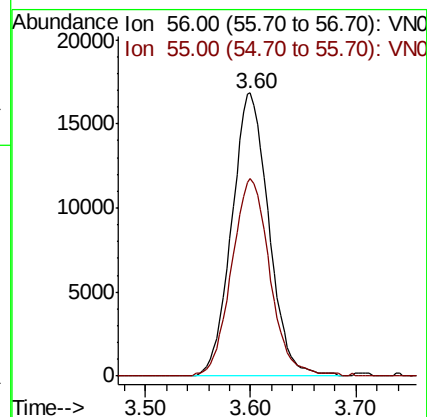
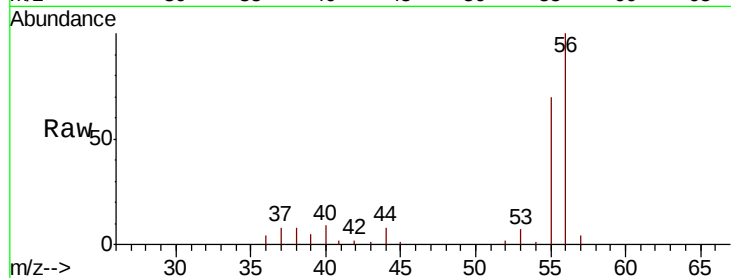
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 40995

Ion Ratio Lower Upper

56 100

55 72.3 55.4 83.2



#14

Allyl chloride

Concen: 55.284 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

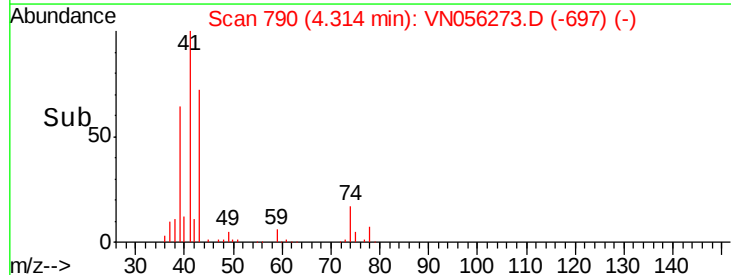
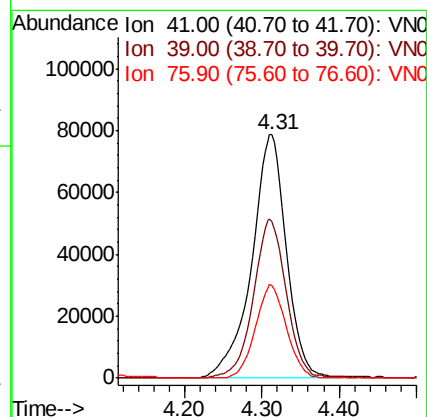
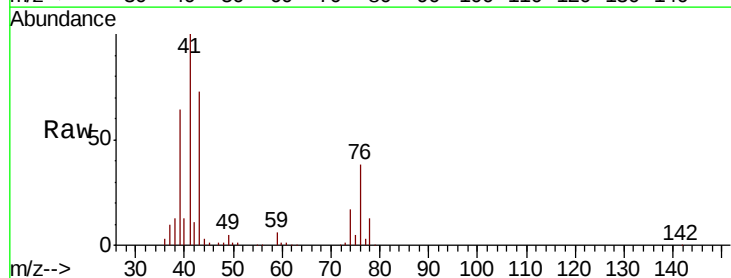
Tgt Ion: 41 Resp: 246760

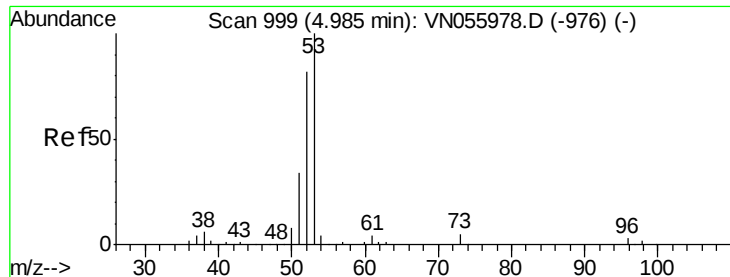
Ion Ratio Lower Upper

41 100

39 61.9 50.0 75.0

76 34.2 28.2 42.2





#15

Acrylonitrile

Concen: 298.282 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

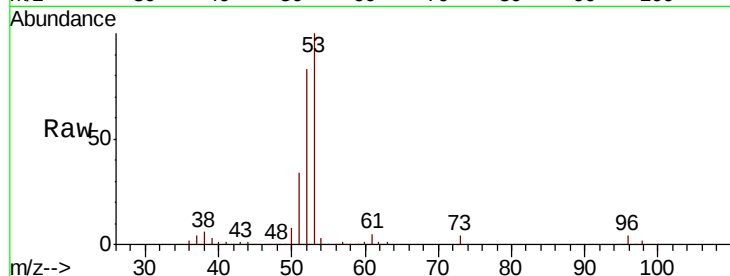
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 422457

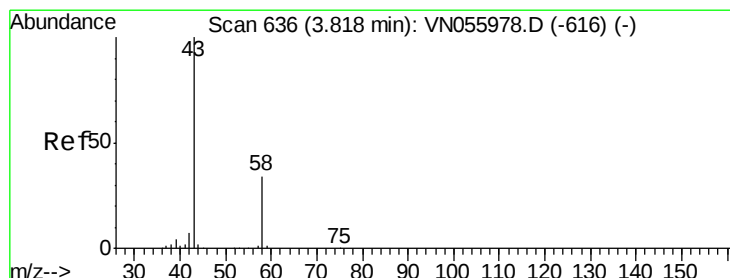
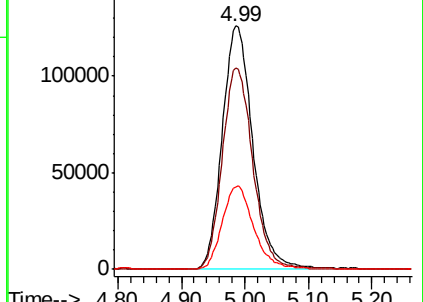
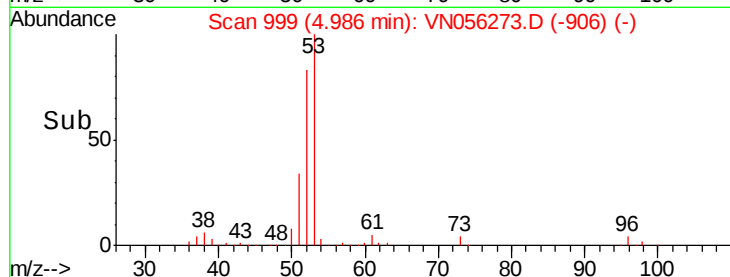
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.8
51	35.3	28.2	42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 279.197 ug/l

RT: 3.82 min Scan# 636

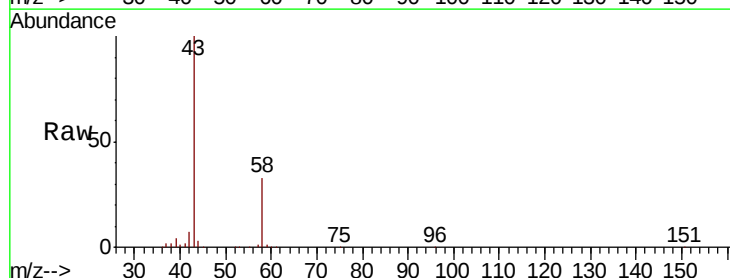
Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

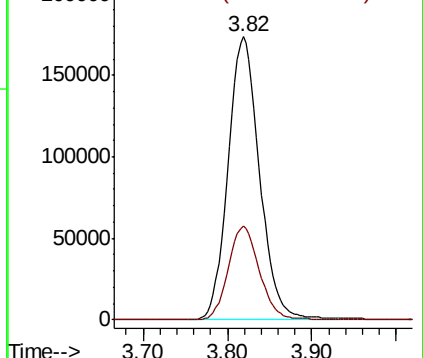
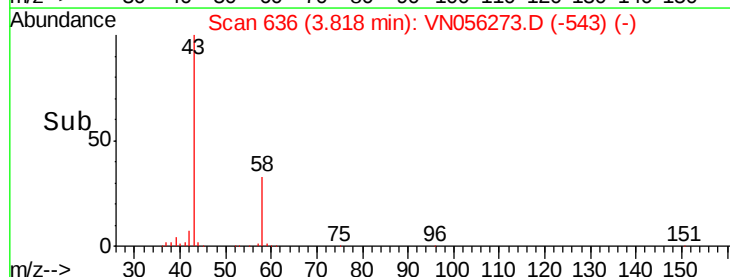
Tgt Ion: 43 Resp: 446441

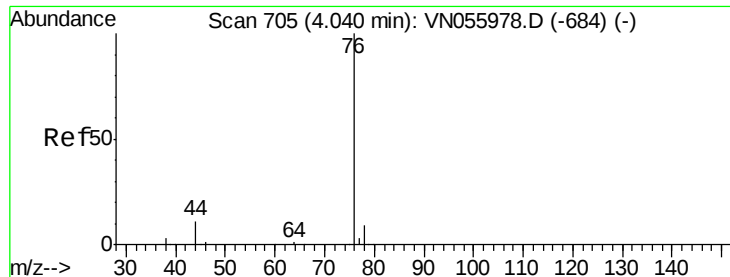
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.6	39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

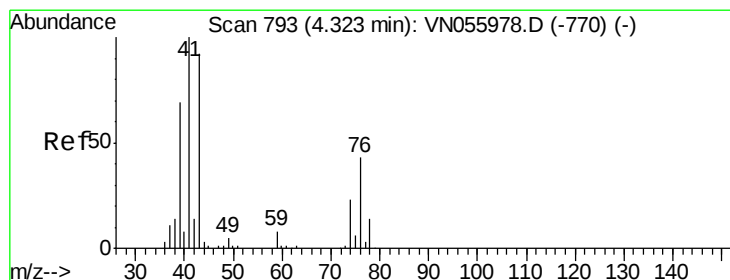
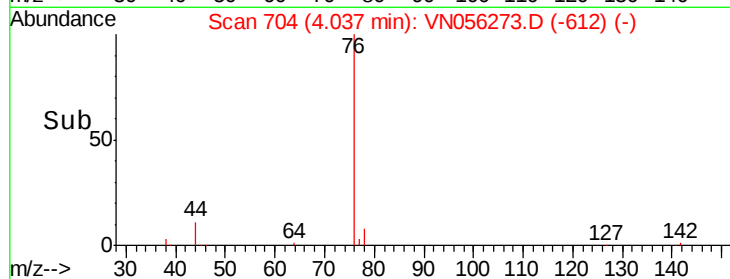
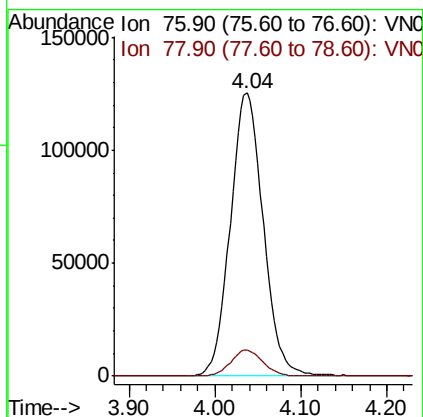
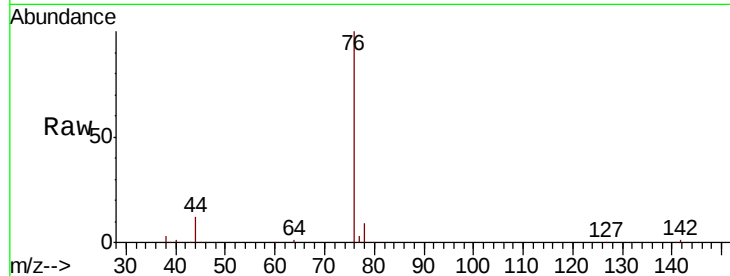




#17
Carbon Disulfide
Concen: 49.195 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

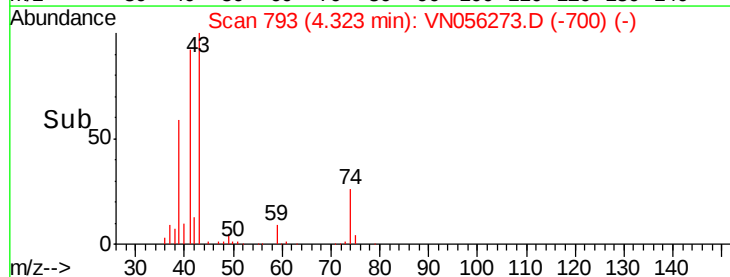
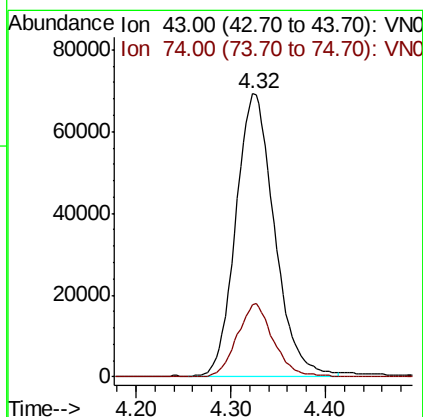
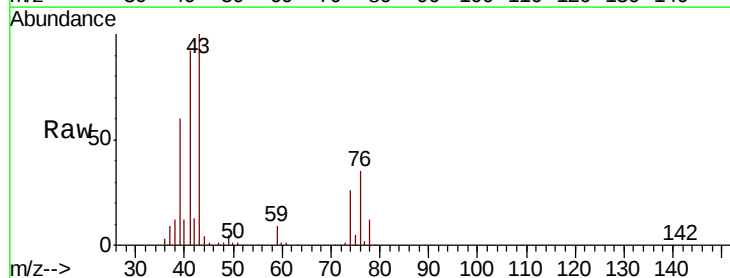
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 332958
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 62.278 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 43 Resp: 195164
Ion Ratio Lower Upper
43 100
74 24.6 19.3 28.9

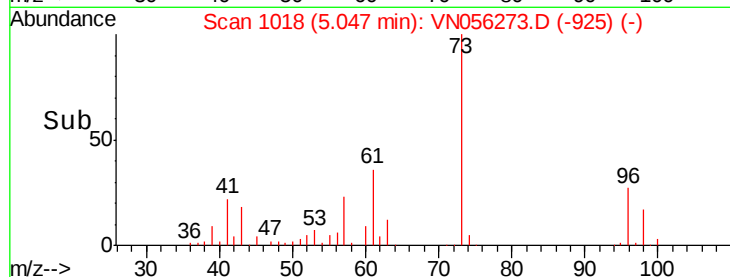
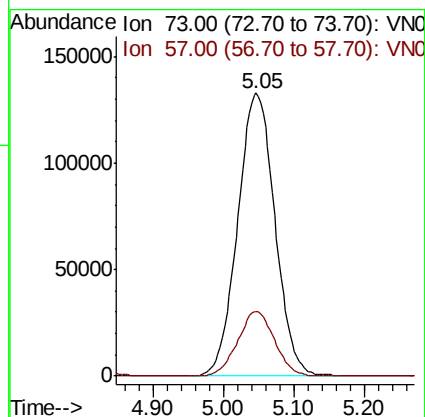
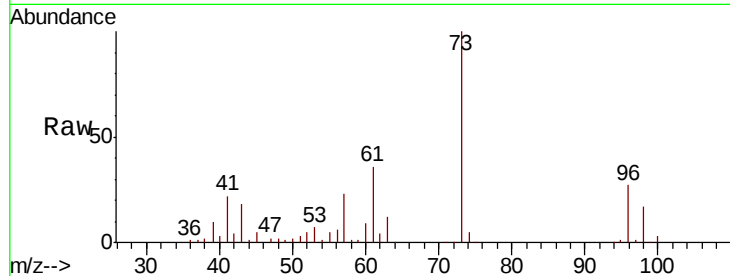




#19
Methvl tert-butvl Ether
Concen: 54.328 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

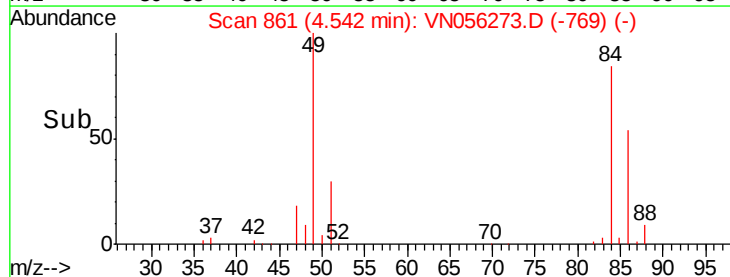
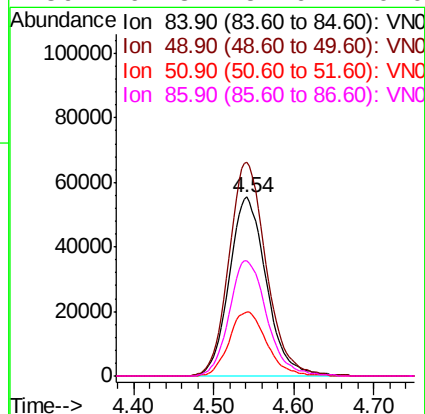
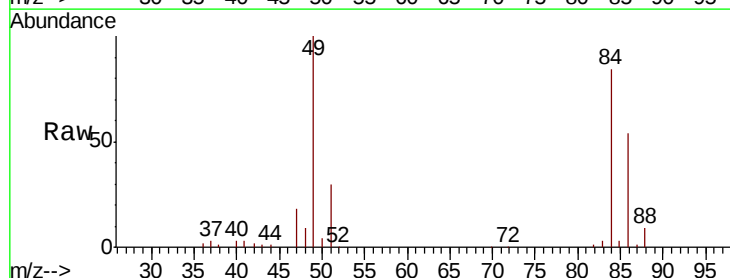
Instrument :
MSVOA_N
ClientSampleId :

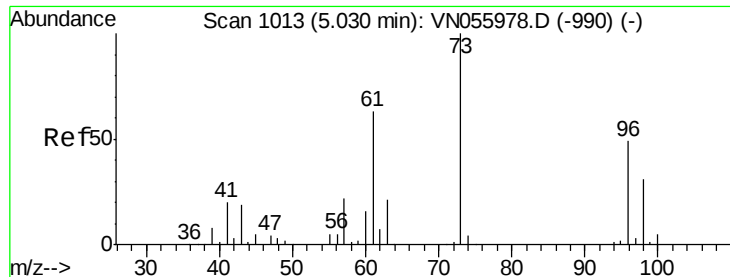
Tot Ion: 73 Resp: 489506
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.8



#20
Methylene Chloride
Concen: 53.129 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 84 Resp: 175027
Ion Ratio Lower Upper
84 100
49 119.4 93.5 140.3
51 35.6 28.6 43.0
86 64.3 52.6 79.0

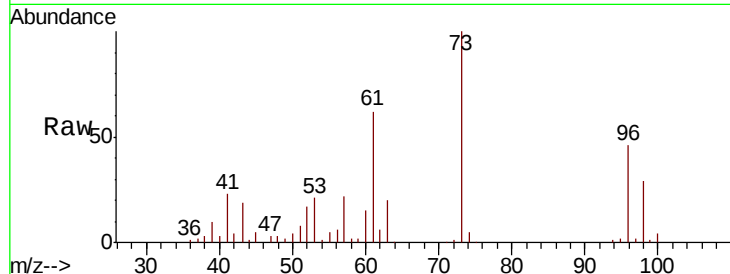




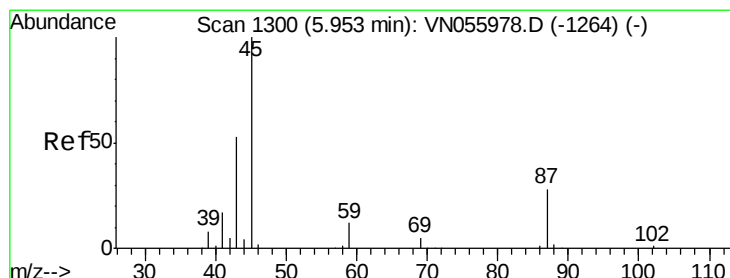
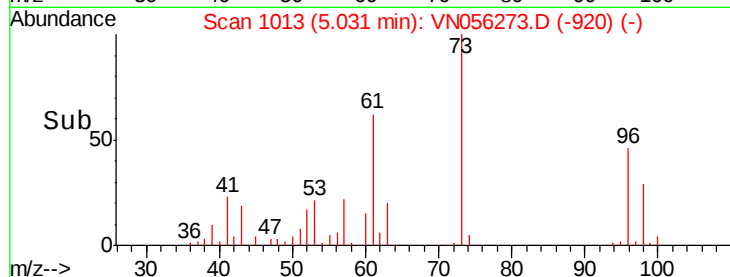
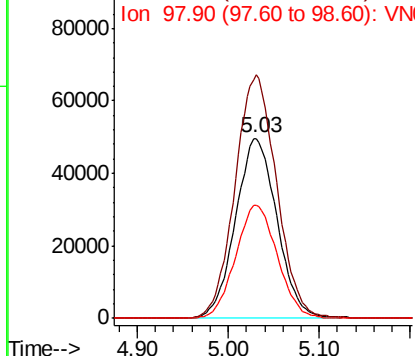
#21
trans-1,2-Dichloroethene
Concen: 51.890 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 157161
Ion Ratio Lower Upper
96 100
61 135.2 107.8 161.8
98 62.8 49.8 74.8

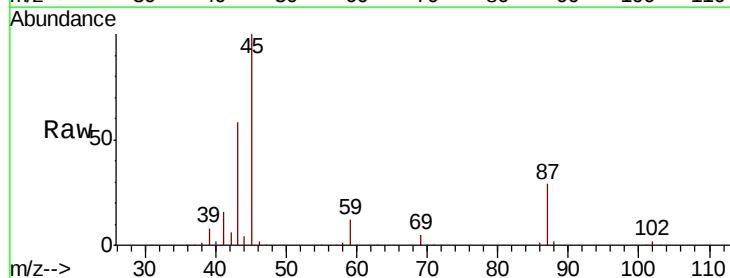


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

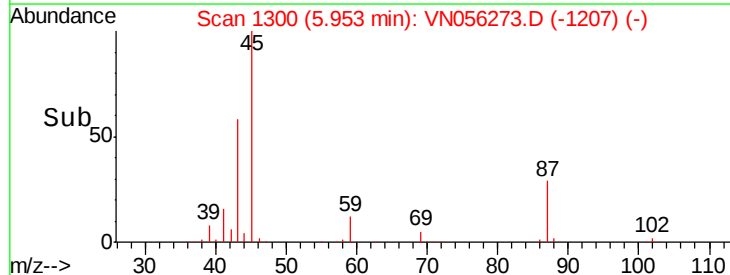
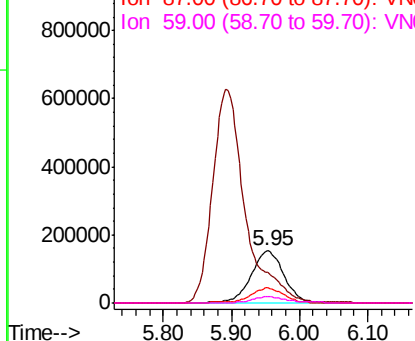


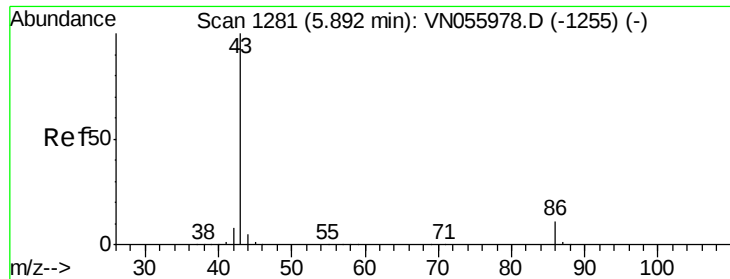
#22
Diisopropyl ether
Concen: 55.741 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 45 Resp: 514306
Ion Ratio Lower Upper
45 100
43 56.6 45.0 67.6
87 28.6 22.2 33.4
59 11.4 9.1 13.7



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

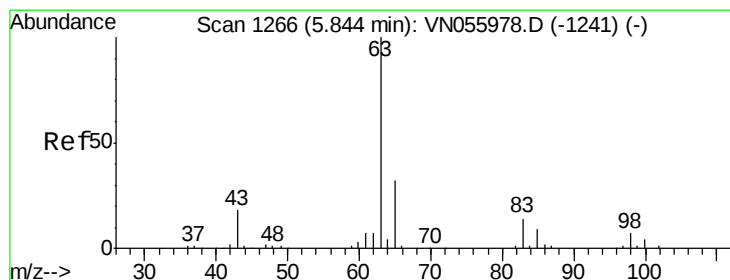
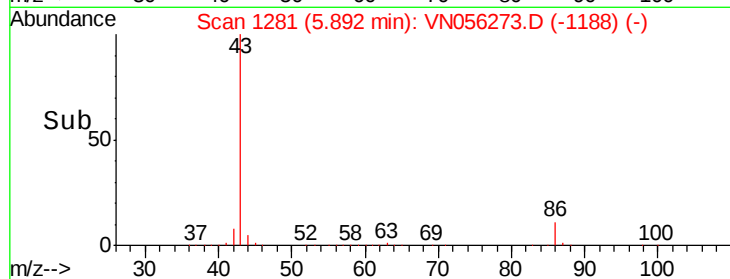
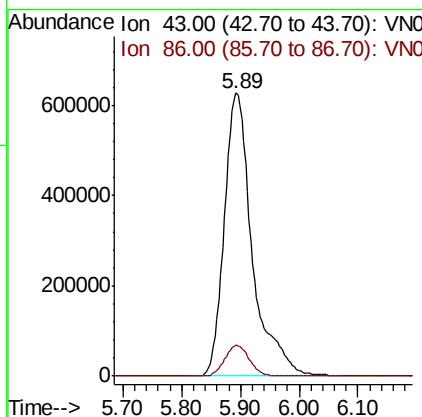
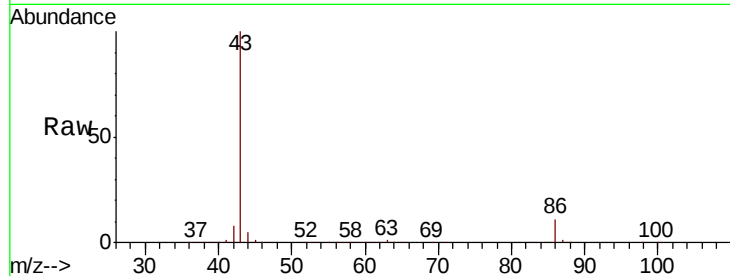




#23
 Vinyl Acetate
 Concen: 286.344 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

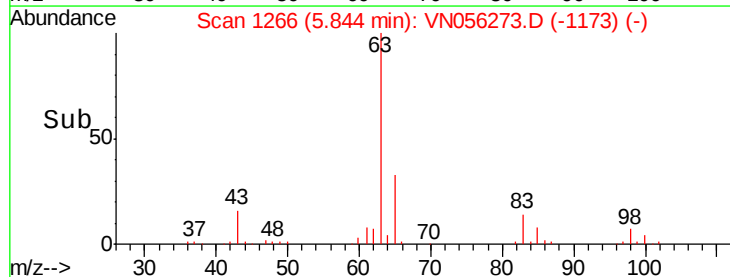
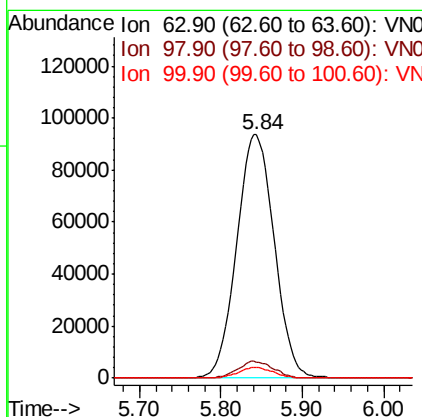
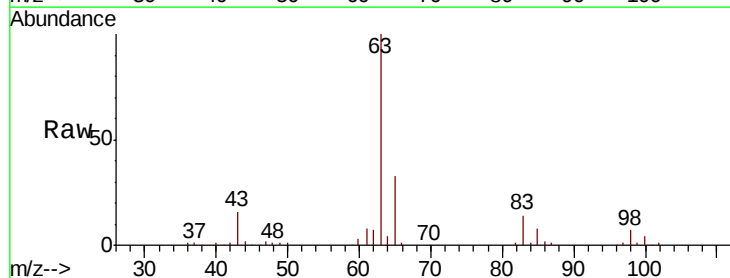
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 2080609
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 56.015 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

Tgt Ion: 63 Resp: 298129
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 295.343 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

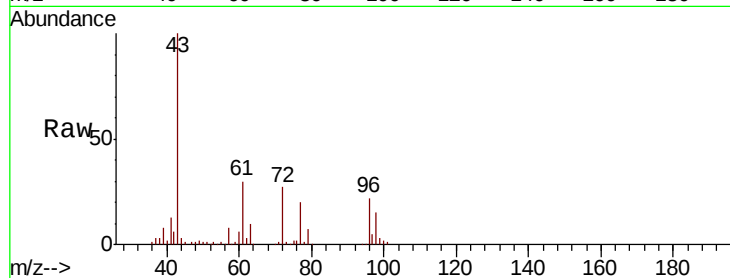
ClientSampled :

Tot Ion: 43 Resp: 596684

Ion Ratio Lower Upper

43 100

72 27.1 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1551) (-)

Ion 72.00 (71.70 to 72.70): VN055978.D (-1551) (-)

6.84

250000

200000

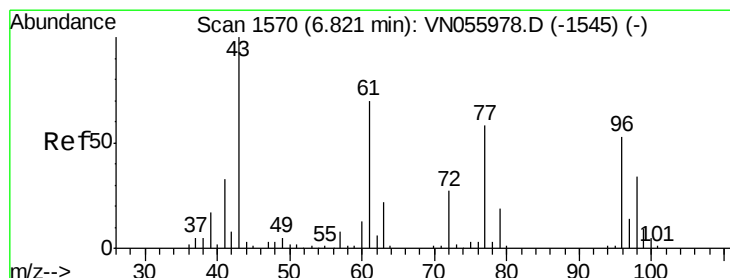
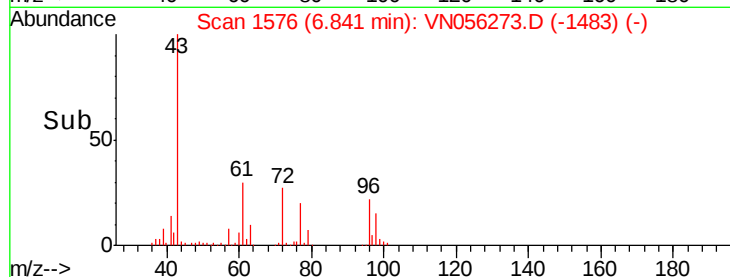
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 51.807 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056273.D

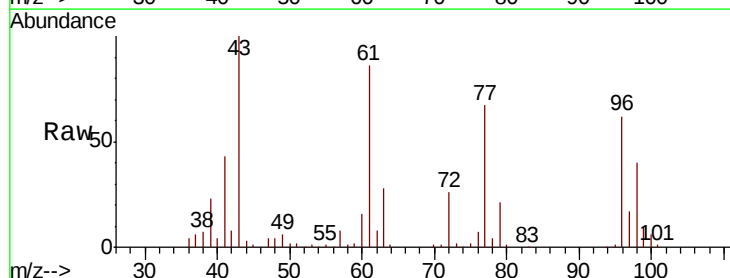
Acq: 13 Jun 2019 11:27

Tgt Ion: 77 Resp: 215161

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN055978.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN055978.D (-1545) (-)

6.82

80000

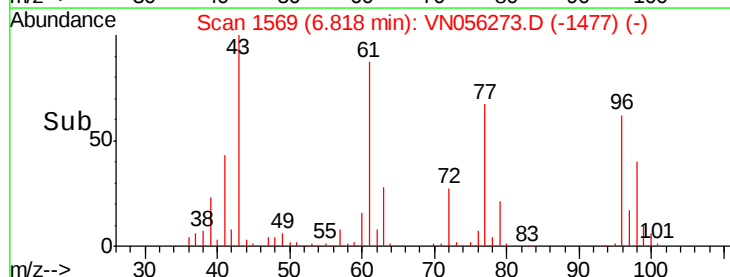
60000

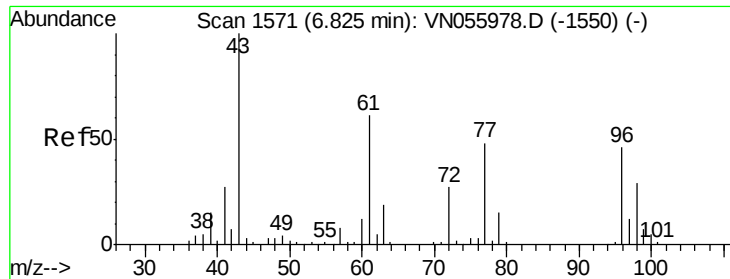
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.960 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

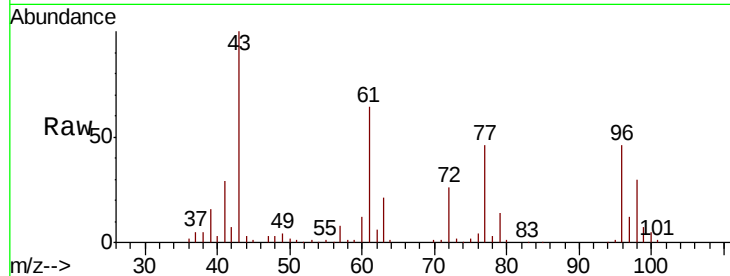
Tot Ion: 96 Resp: 188547

Ion Ratio Lower Upper

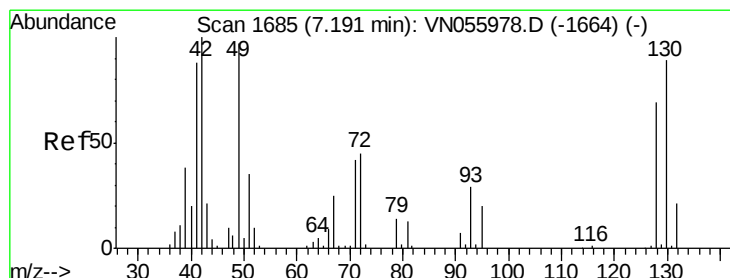
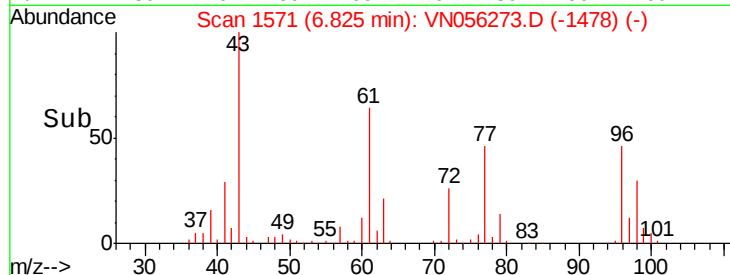
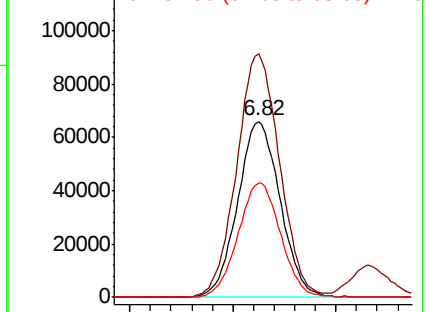
96 100

61 140.0 0.0 275.8

98 65.6 0.0 128.4



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



#28

Bromochloromethane

Concen: 57.948 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

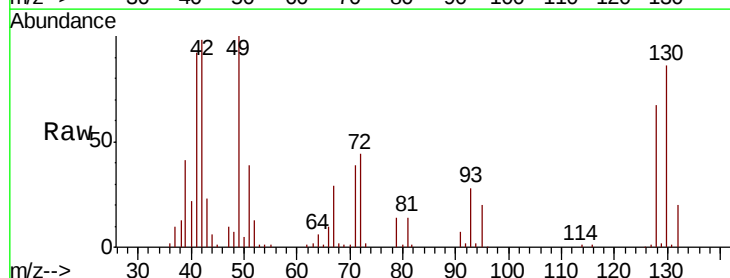
Tgt Ion: 49 Resp: 145853

Ion Ratio Lower Upper

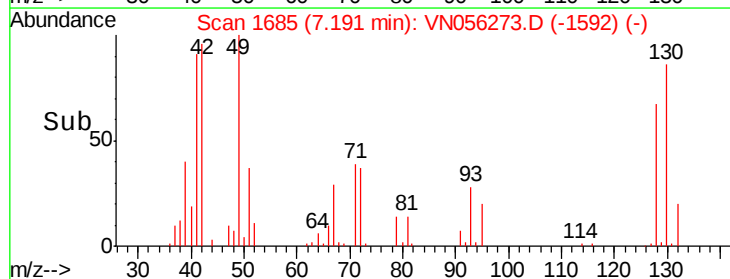
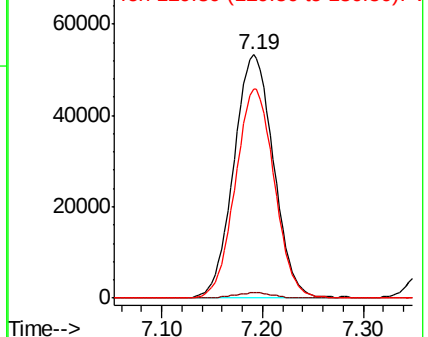
49 100

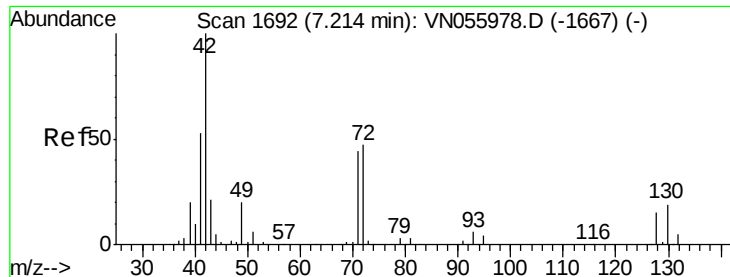
129 2.1 0.0 4.4

130 84.0 71.2 106.8



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

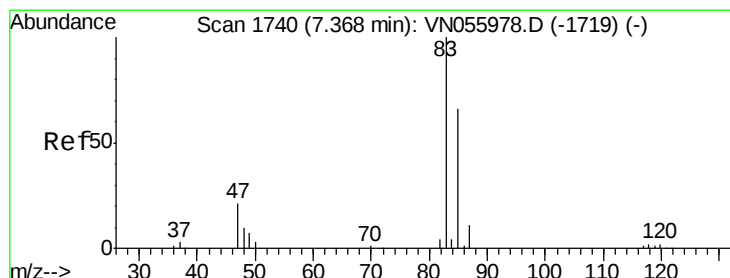
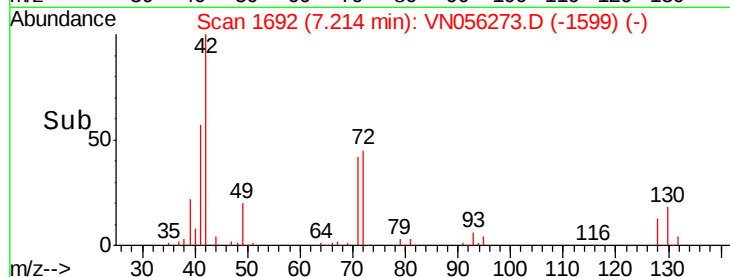
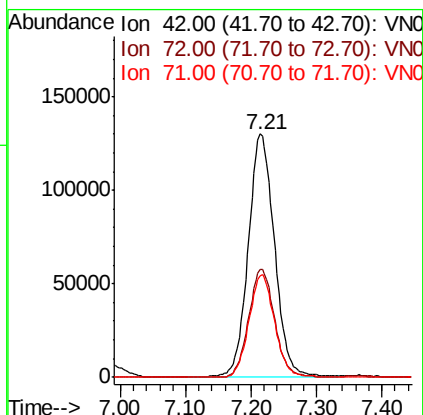
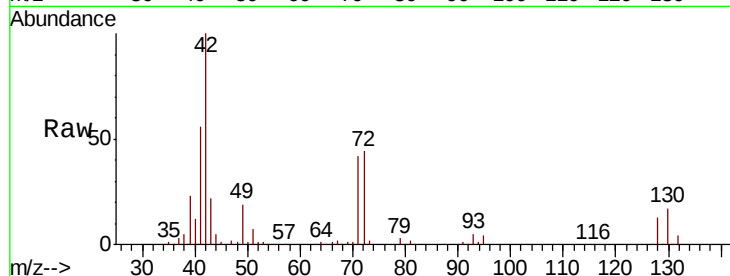




#29
Tetrahydrofuran
Concen: 292.657 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

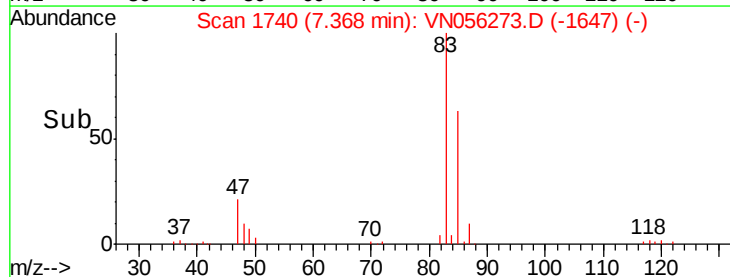
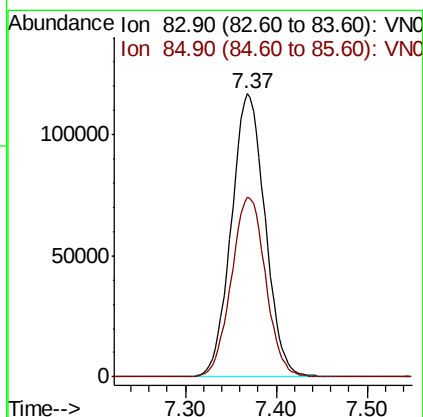
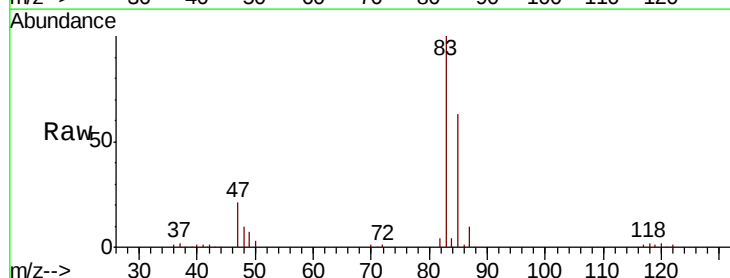
Instrument :
MSVOA_N
ClientSampleId :

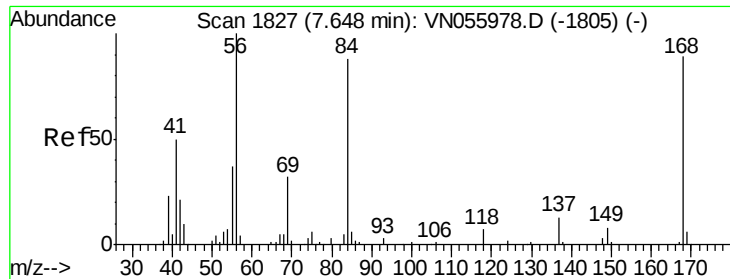
Tot Ion: 42 Resp: 365480
Ion Ratio Lower Upper
42 100
72 43.7 35.9 53.9
71 41.2 34.0 51.0



#30
Chloroform
Concen: 56.288 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 83 Resp: 301371
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.8

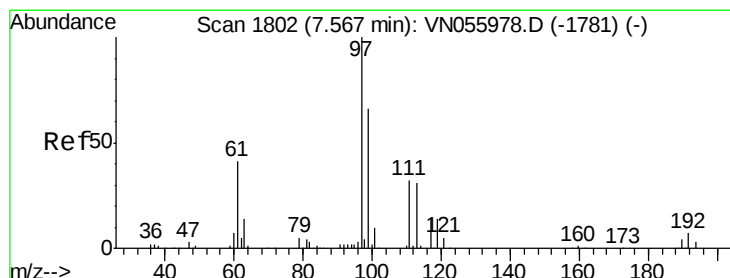
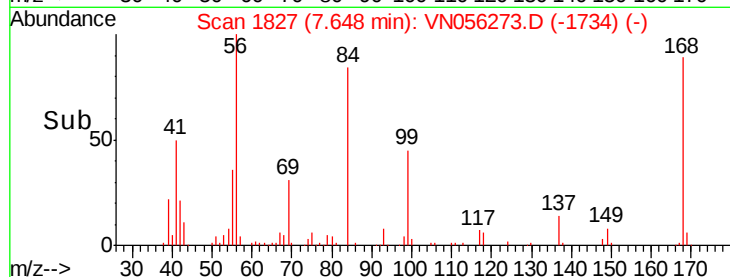
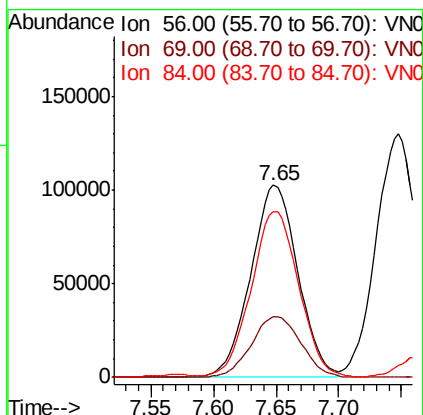
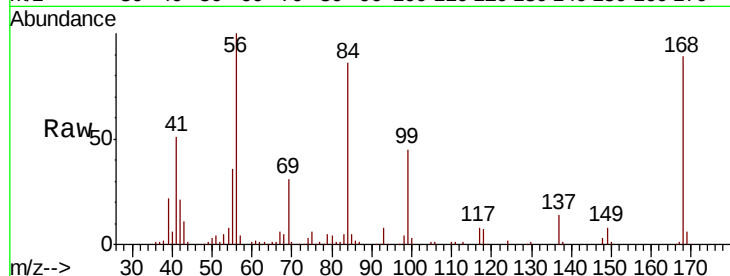




#31
Cyclohexane
Concen: 50.723 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

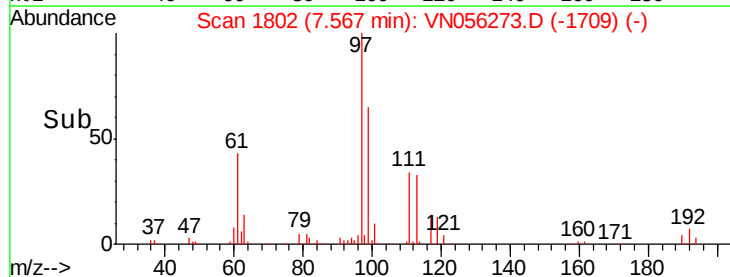
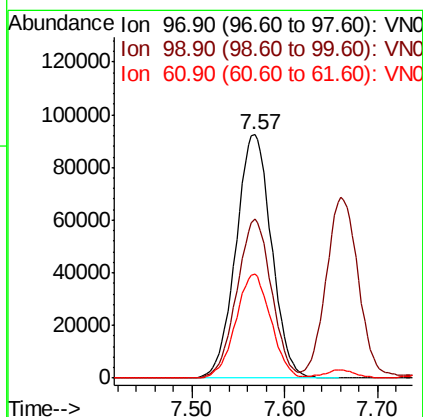
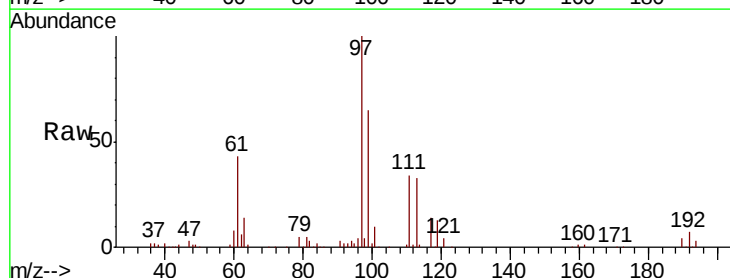
Instrument :
MSVOA_N
ClientSampleId :

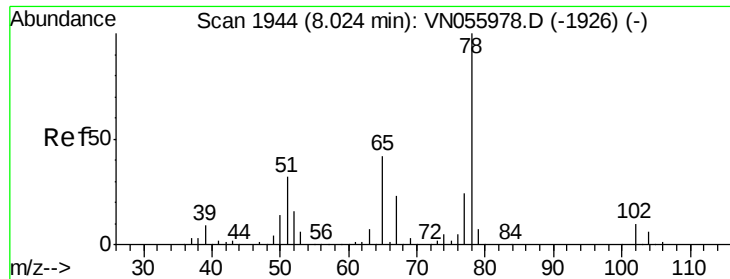
Tot Ion: 56 Resp: 269096
Ion Ratio Lower Upper
56 100
69 31.3 25.6 38.4
84 85.2 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 54.994 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 97 Resp: 245882
Ion Ratio Lower Upper
97 100
99 63.9 52.0 78.0
61 42.2 32.9 49.3

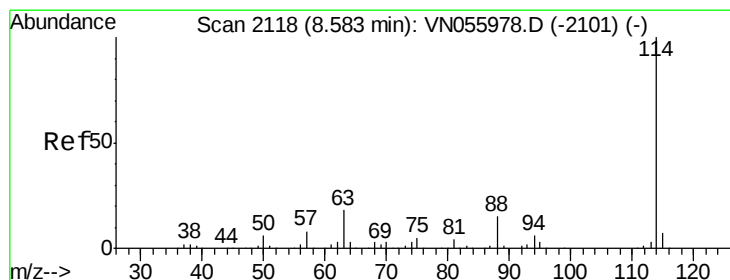
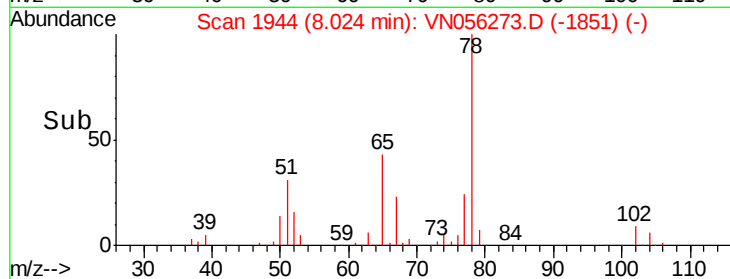
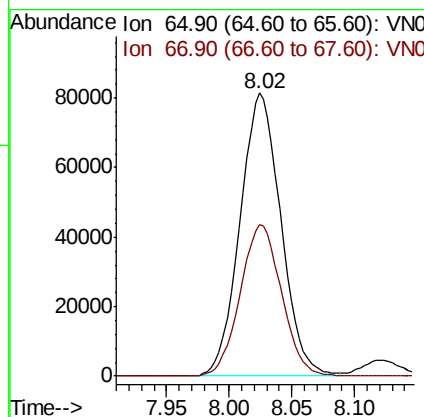
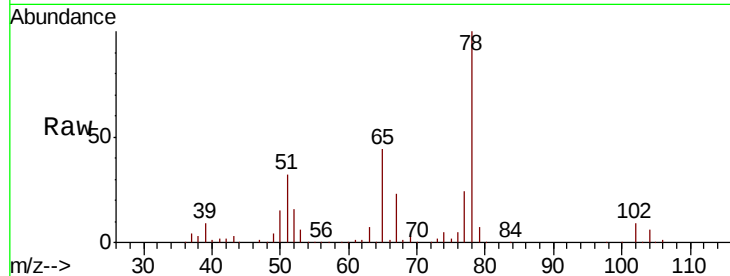




#33
 1,2-Dichloroethane-d4
 Concen: 55.217 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

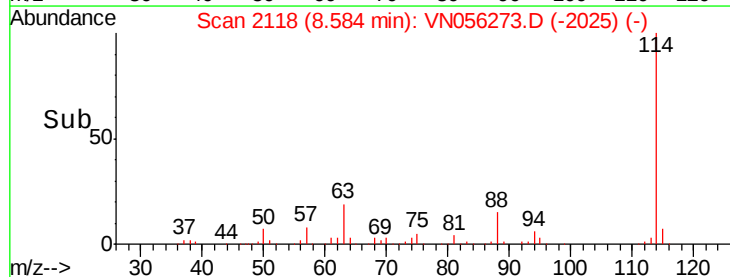
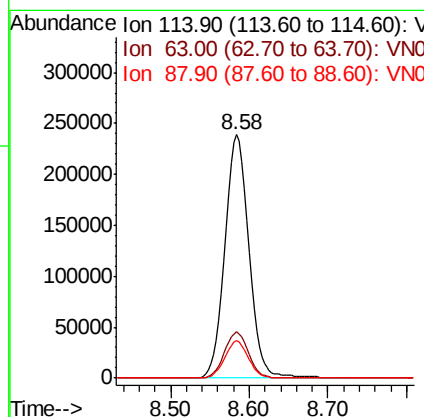
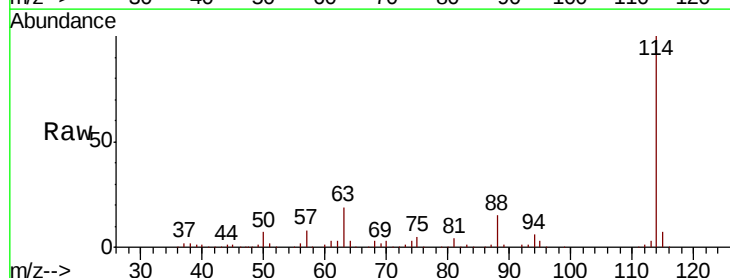
Instrument :
 MSVOA_N
 ClientSampled :

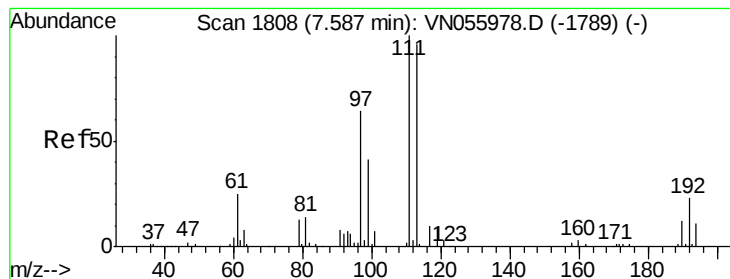
Tot Ion: 65 Resp: 184609
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

Tgt Ion: 114 Resp: 503548
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 54.113 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :

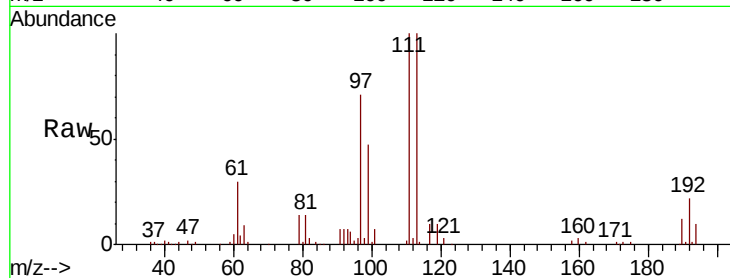
Tot Ion:113 Resp: 167177

Ion Ratio Lower Upper

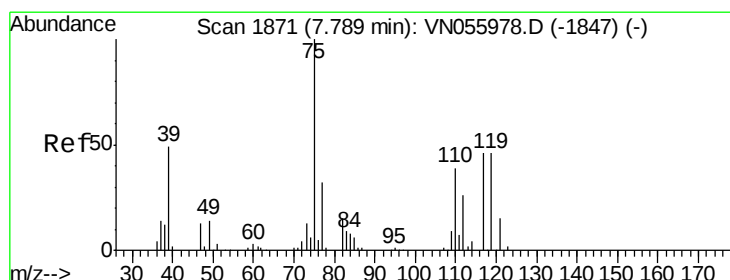
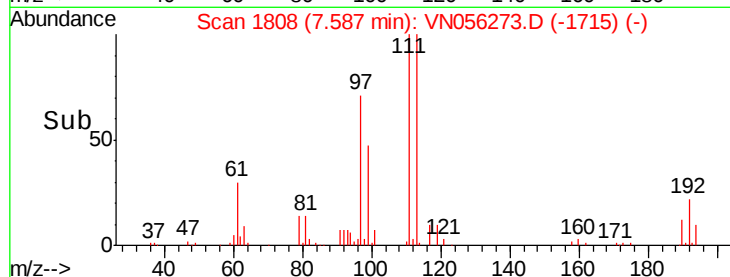
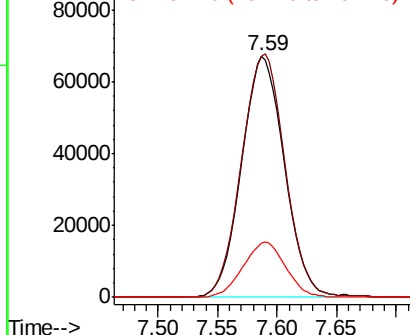
113 100

111 103.1 81.9 122.9

192 22.7 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.221 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

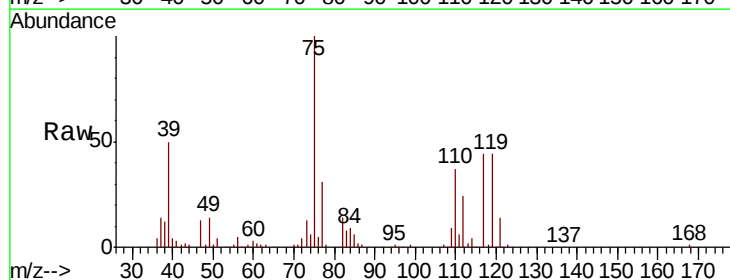
Tgt Ion: 75 Resp: 217447

Ion Ratio Lower Upper

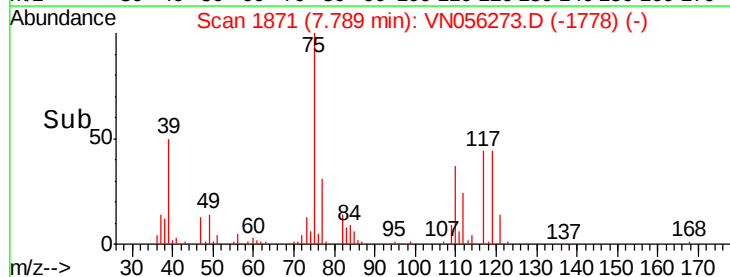
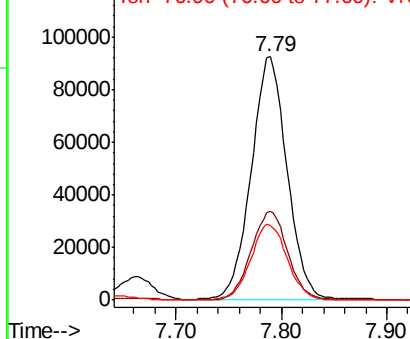
75 100

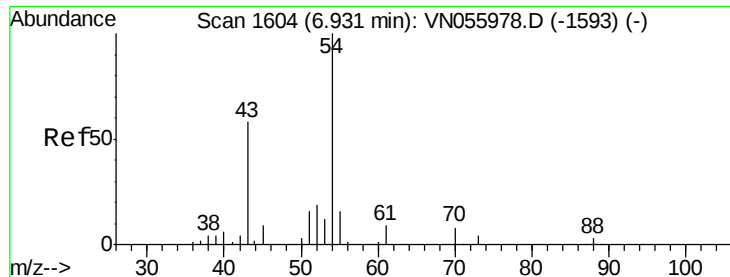
110 37.7 19.0 57.0

77 32.2 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

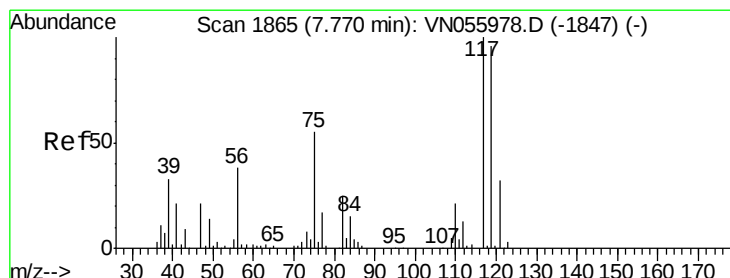
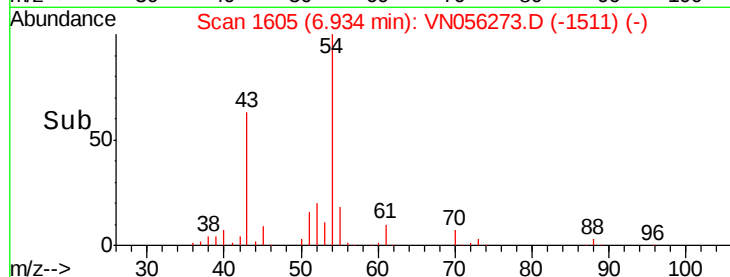
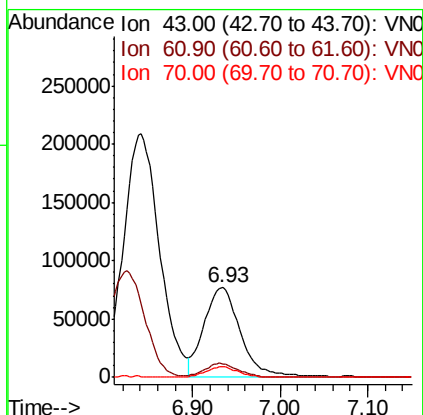
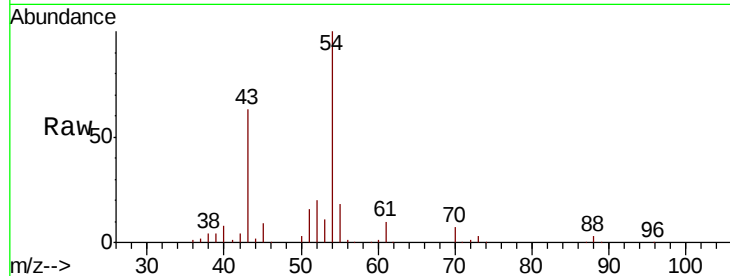




#37
Ethyl Acetate
Concen: 56.747 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

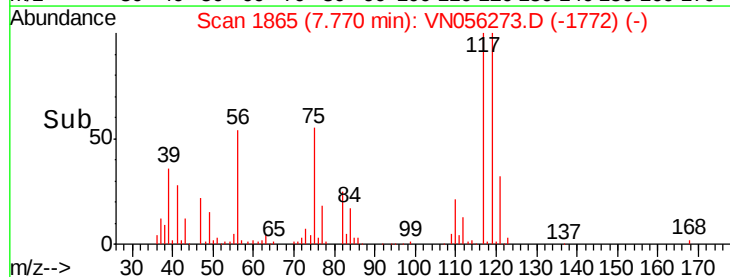
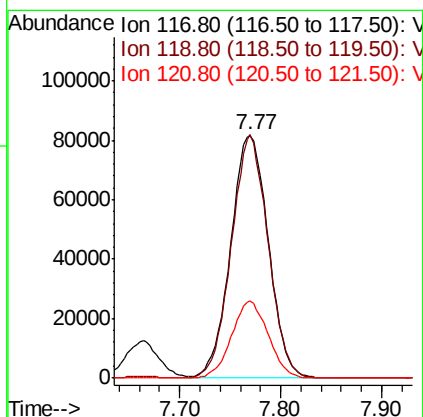
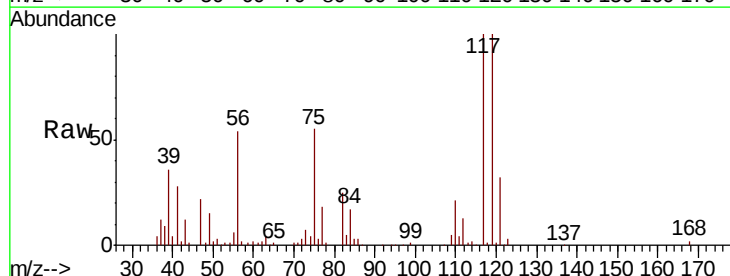
Instrument :
MSVOA_N
ClientSampled :

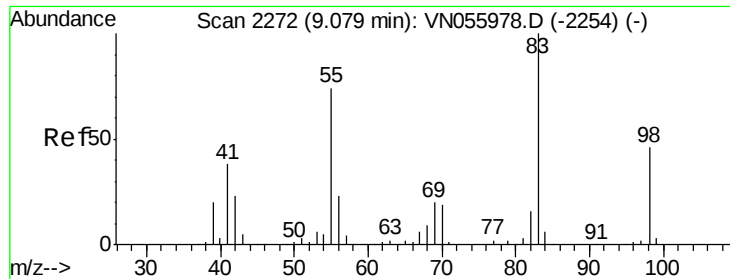
Tot Ion: 43 Resp: 218617
Ion Ratio Lower Upper
43 100
61 14.5 12.2 18.2
70 11.0 8.9 13.3



#38
Carbon Tetrachloride
Concen: 53.210 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 117 Resp: 212407
Ion Ratio Lower Upper
117 100
119 100.3 79.0 118.6
121 31.7 24.7 37.1

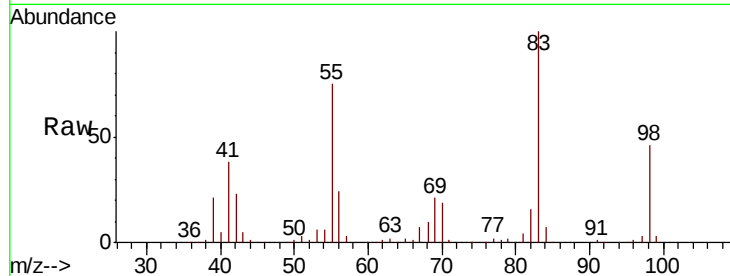




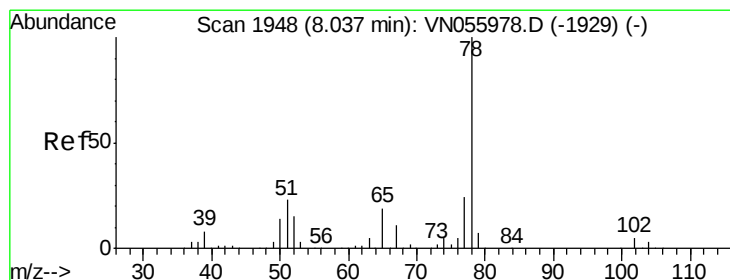
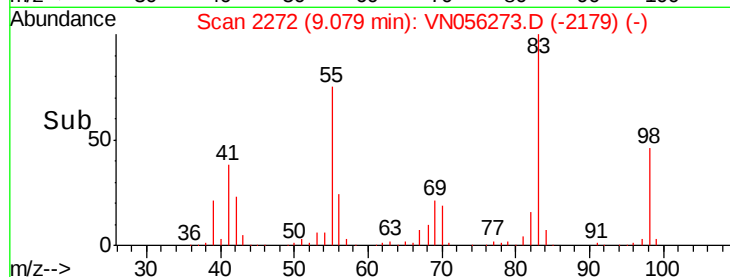
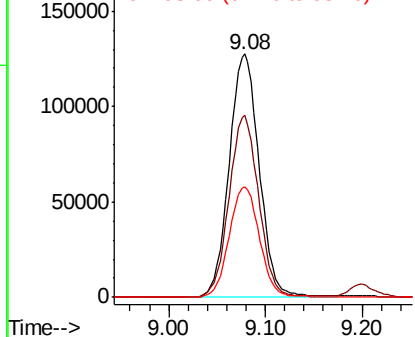
#39
Methvlcvclohexane
Concen: 51.079 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 275504
Ion Ratio Lower Upper
83 100
55 74.7 59.3 88.9
98 45.6 36.6 54.8

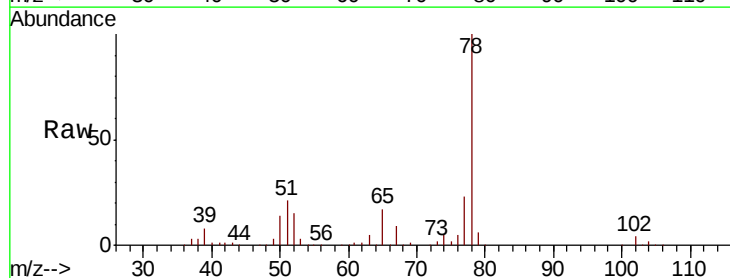


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

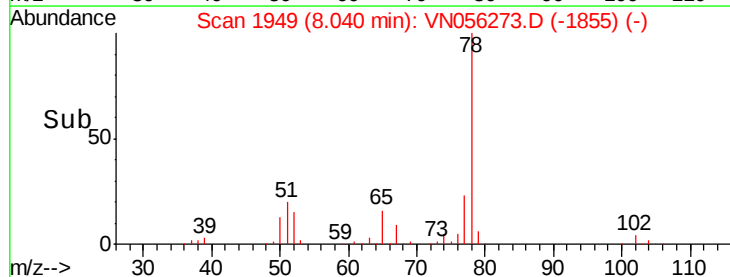
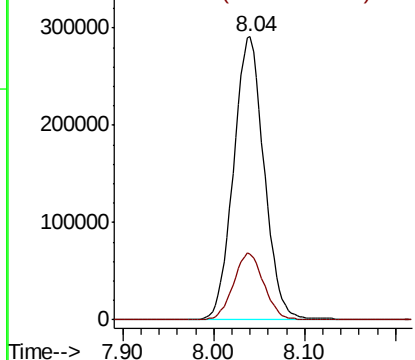


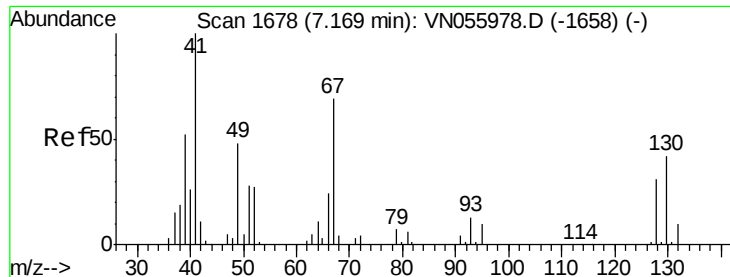
#40
Benzene
Concen: 51.805 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 78 Resp: 681272
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



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

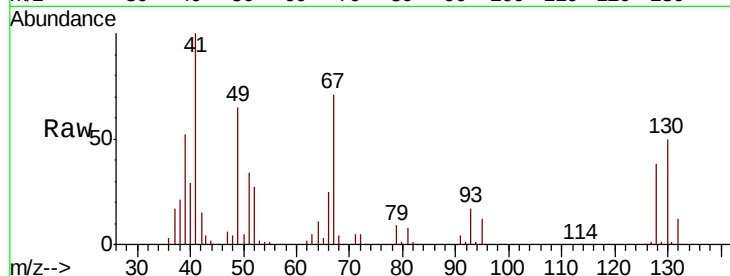




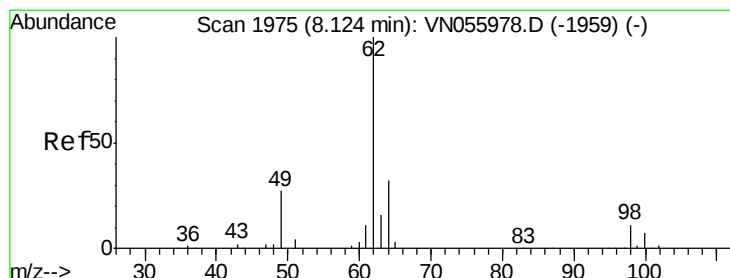
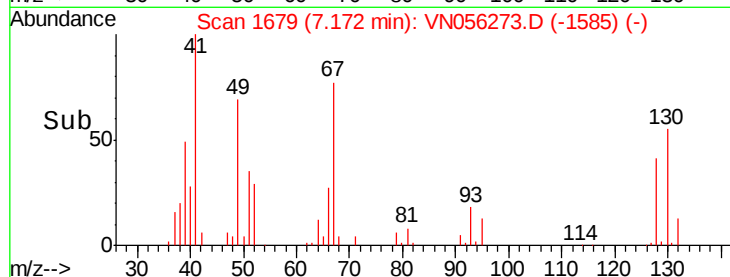
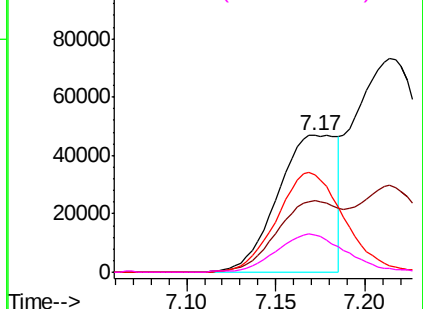
#41
Methacrylonitrile
Concen: 61.116 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 108328
Ion Ratio Lower Upper
41 100
39 55.4 45.6 68.4
67 83.8 67.7 101.5
52 33.4 26.6 40.0

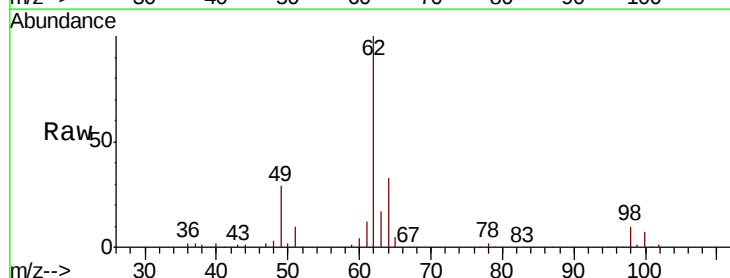


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

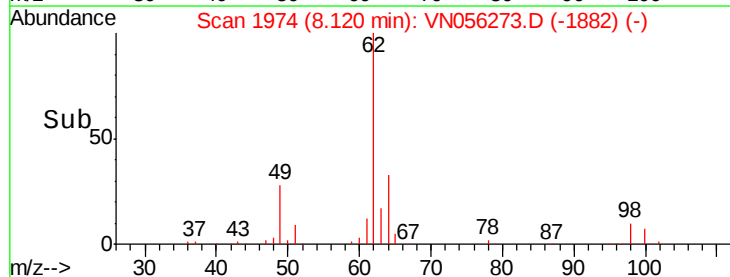
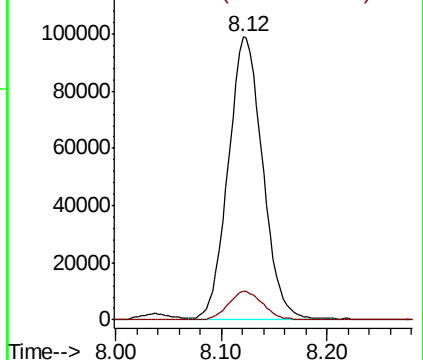


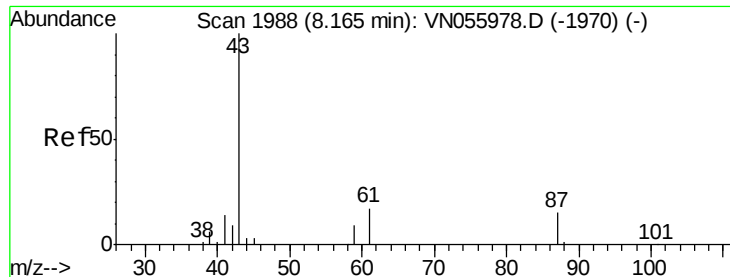
#42
1,2-Dichloroethane
Concen: 52.628 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 62 Resp: 222621
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 53.449 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

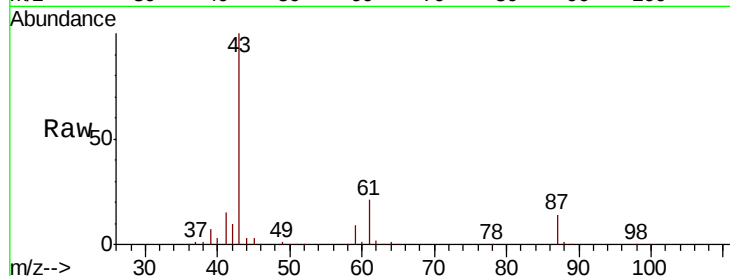
Tot Ion: 43 Resp: 333674

Ion Ratio Lower Upper

43 100

61 21.2 22.2 33.4#

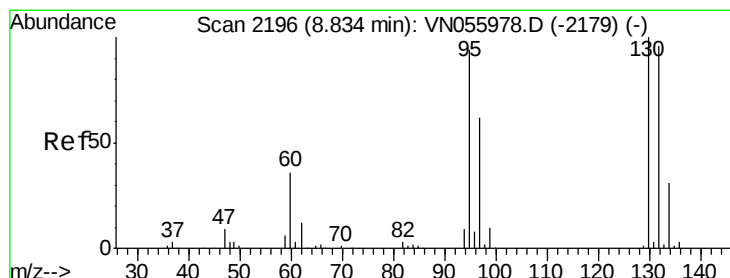
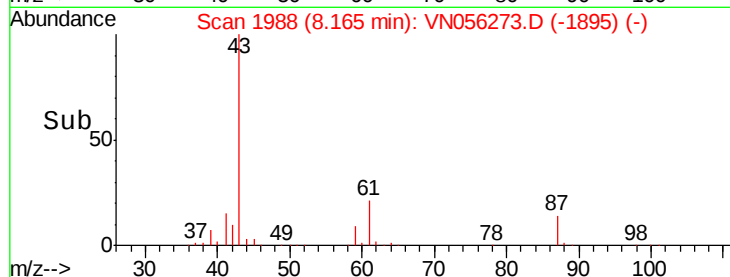
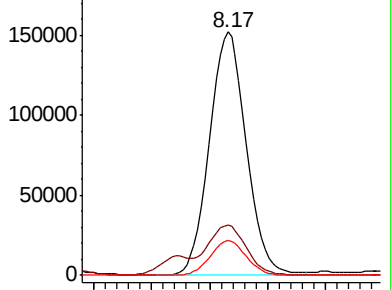
87 14.1 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 50.071 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056273.D

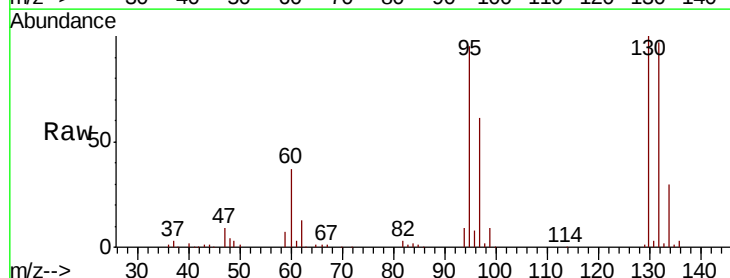
Acq: 13 Jun 2019 11:27

Tgt Ion:130 Resp: 189210

Ion Ratio Lower Upper

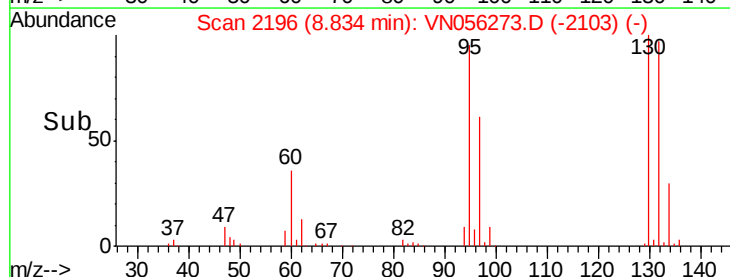
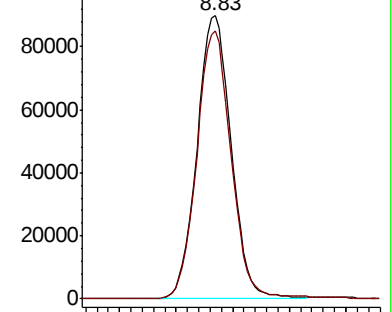
130 100

95 94.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 54.862 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

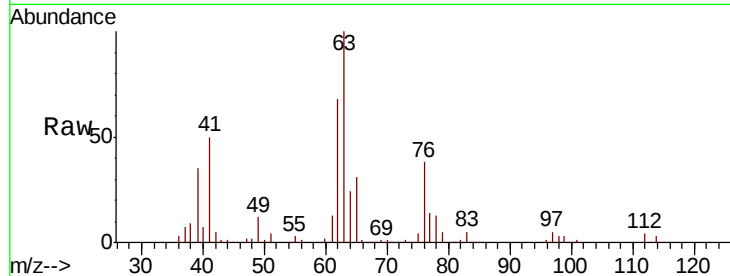
ClientSampled :

Tot Ion: 63 Resp: 184800

Ion Ratio Lower Upper

63 100

65 30.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

80000

60000

40000

20000

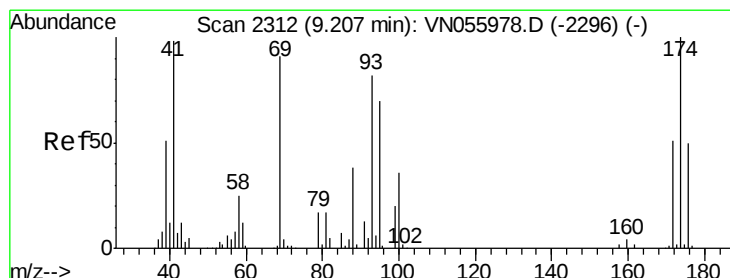
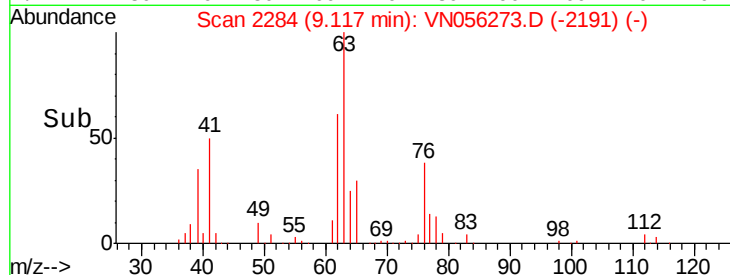
0

Time-->

9.00

9.10

9.20



#46

Dibromomethane

Concen: 54.487 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

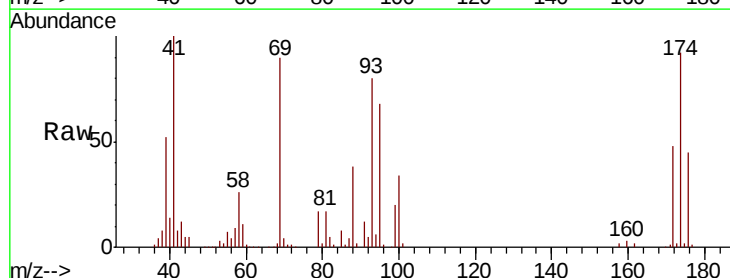
Tgt Ion: 93 Resp: 120019

Ion Ratio Lower Upper

93 100

95 84.5 66.7 100.1

174 115.4 96.4 144.6



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

80000

60000

40000

20000

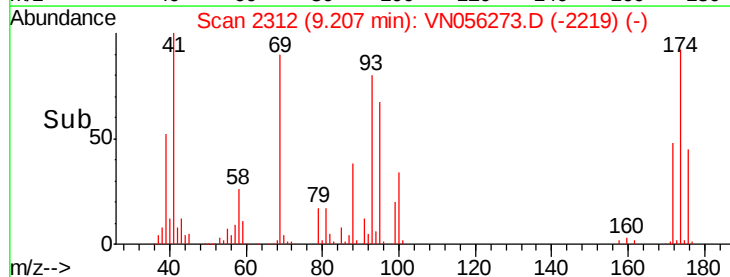
0

Time-->

9.10

9.20

9.30





#47

Bromodichloromethane

Concen: 58.121 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :

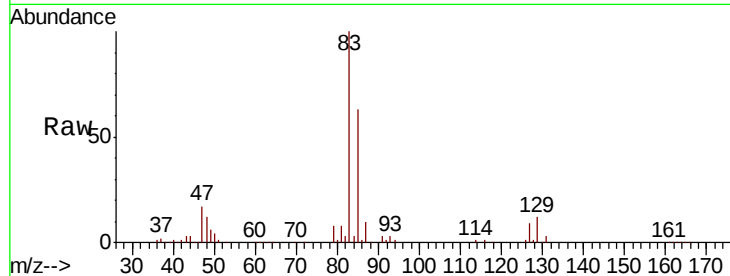
Tot Ion: 83 Resp: 232029

Ion Ratio Lower Upper

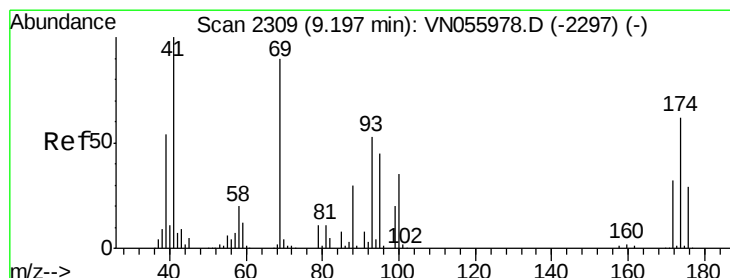
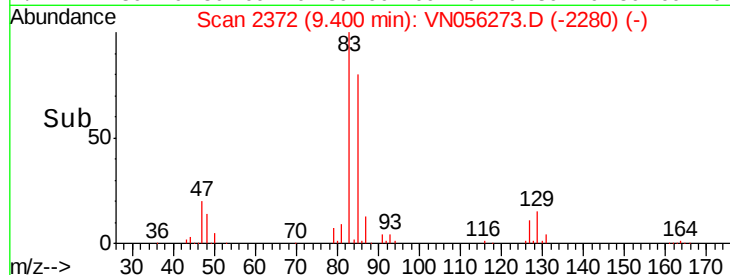
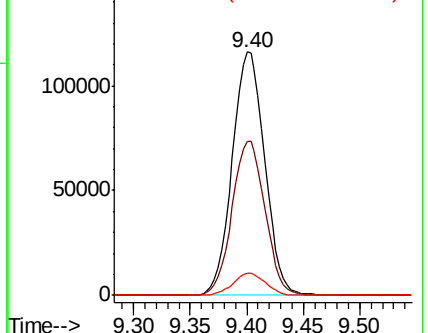
83 100

85 63.5 52.2 78.2

127 9.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 56.992 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

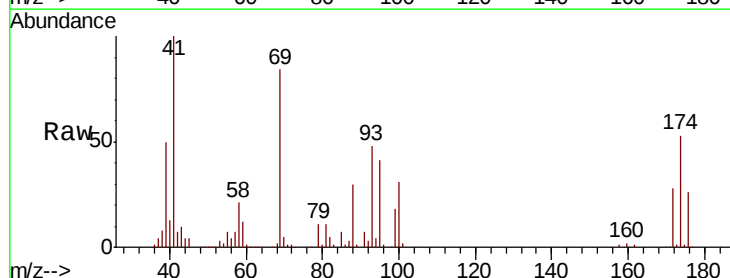
Tgt Ion: 41 Resp: 174064

Ion Ratio Lower Upper

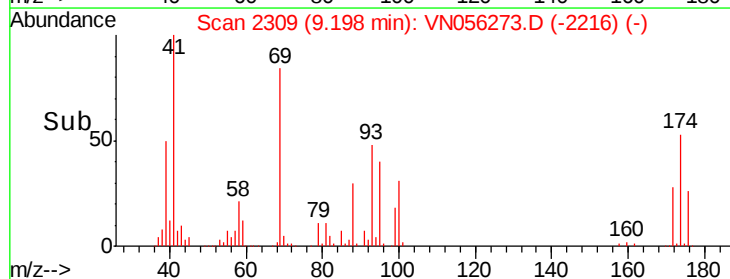
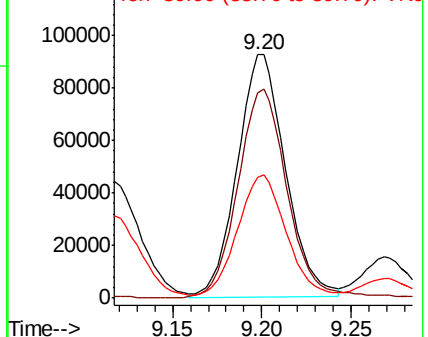
41 100

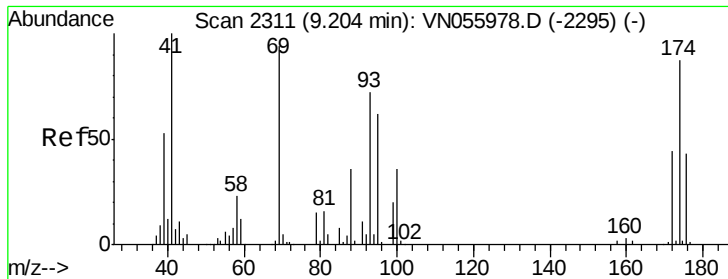
69 88.4 71.0 106.6

39 51.8 44.2 66.2



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1069.100 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :

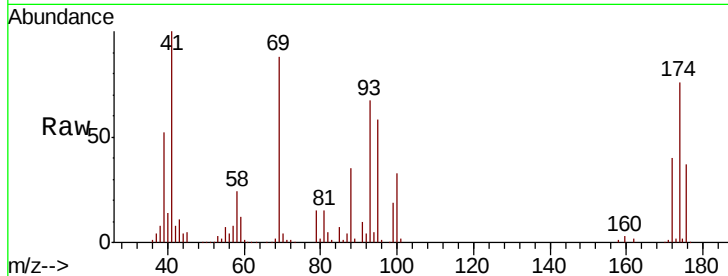
Tot Ion: 88 Resp: 70492

Ion Ratio Lower Upper

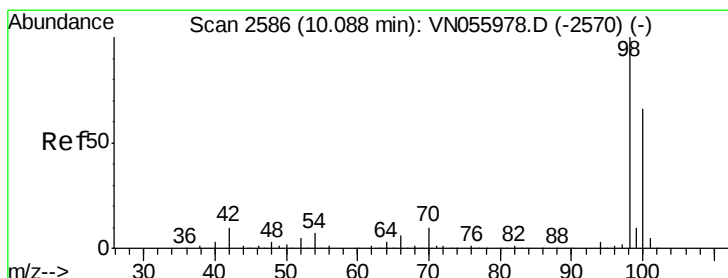
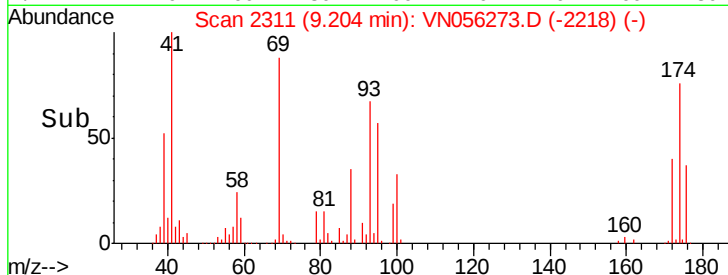
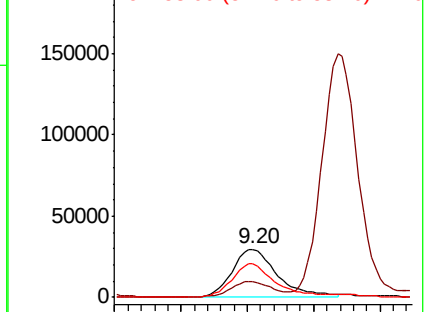
88 100

43 28.1 20.5 30.7

58 66.9 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.916 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056273.D

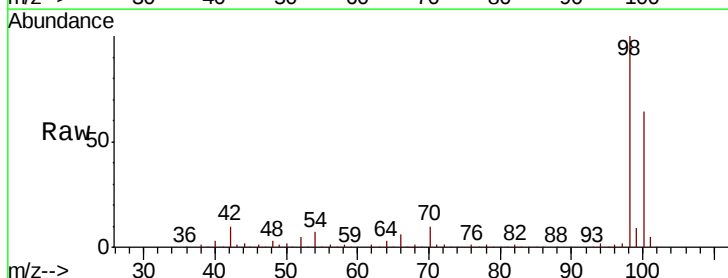
Acq: 13 Jun 2019 11:27

Tgt Ion: 98 Resp: 617180

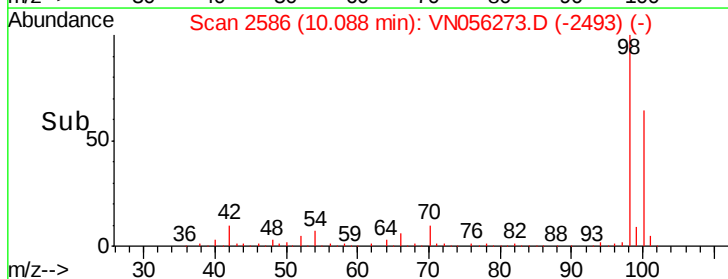
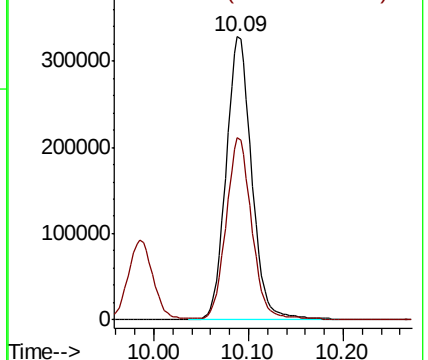
Ion Ratio Lower Upper

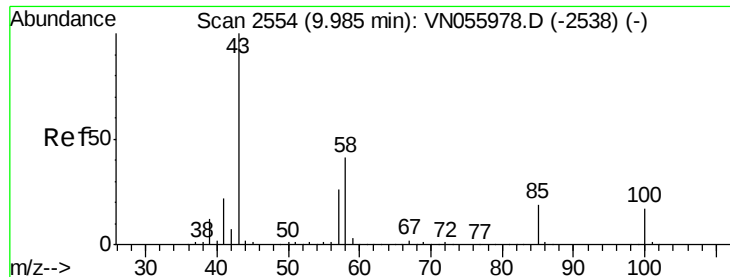
98 100

100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 282.519 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

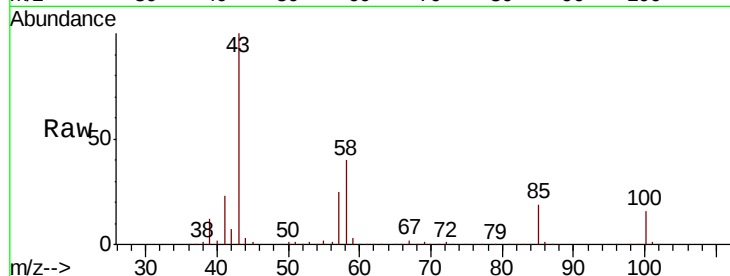
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1102941

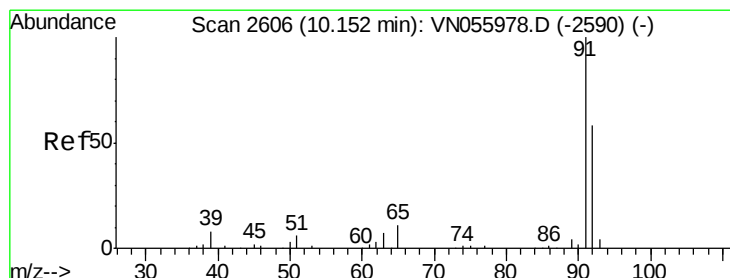
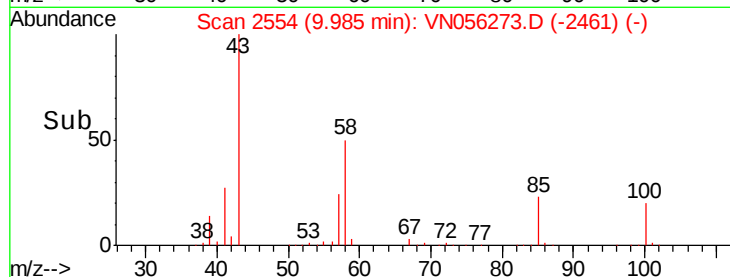
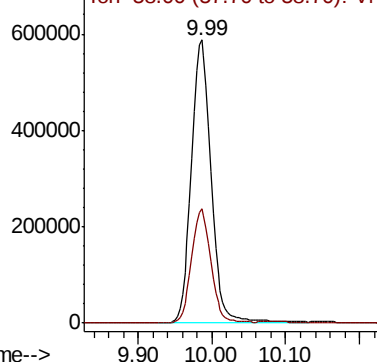
Ion Ratio Lower Upper

43 100

58 39.7 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.023 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056273.D

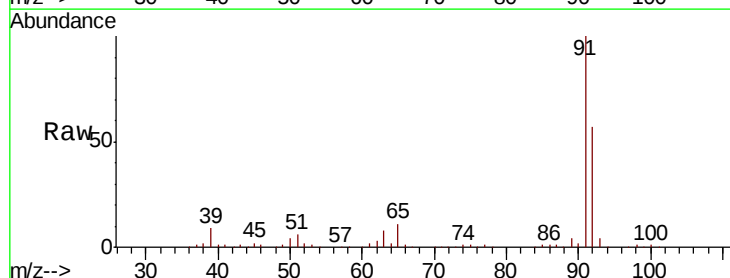
Acq: 13 Jun 2019 11:27

Tgt Ion: 92 Resp: 425713

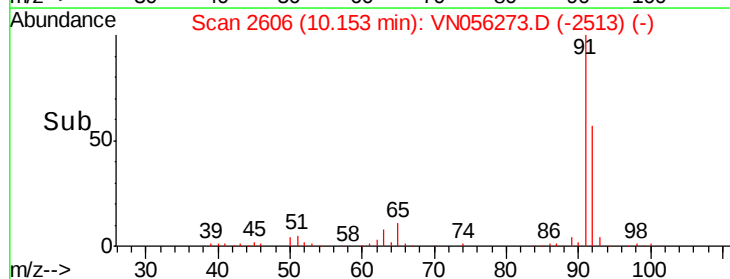
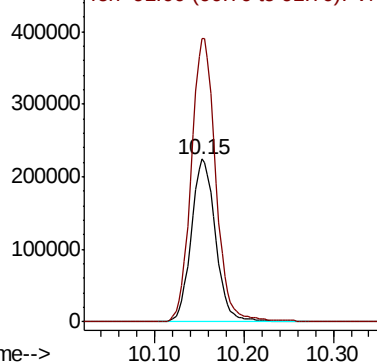
Ion Ratio Lower Upper

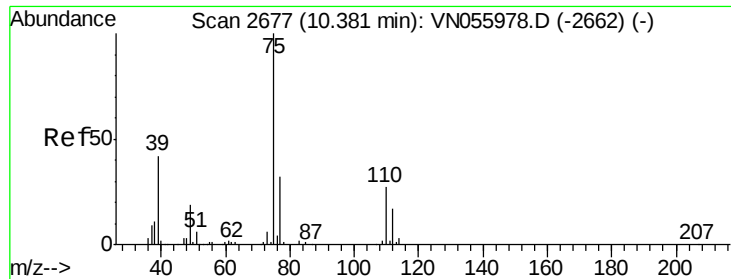
92 100

91 174.7 139.4 209.2



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: 49.856 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

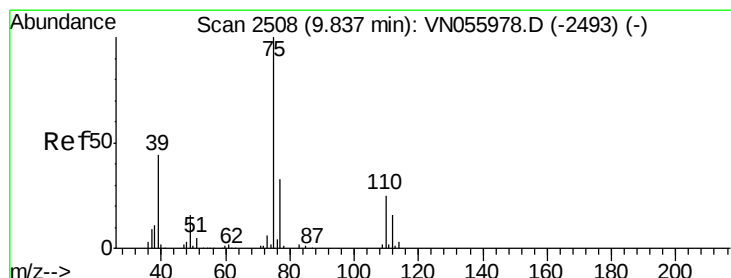
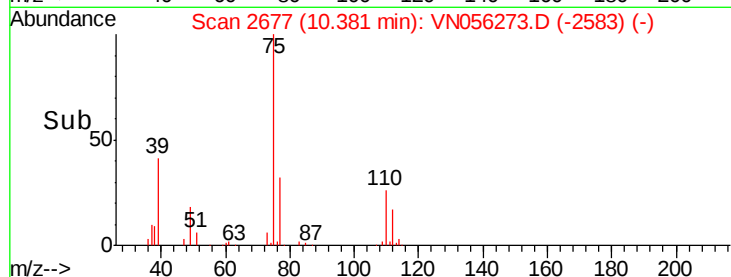
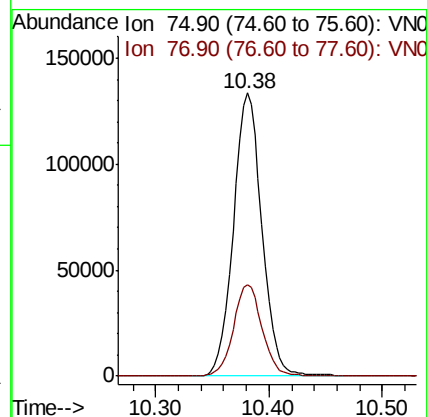
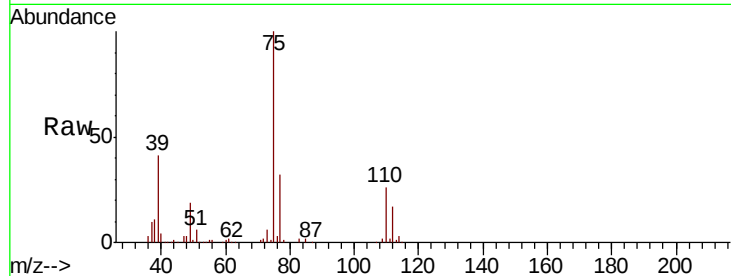
ClientSampled :

Tot Ion: 75 Resp: 233322

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 56.630 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

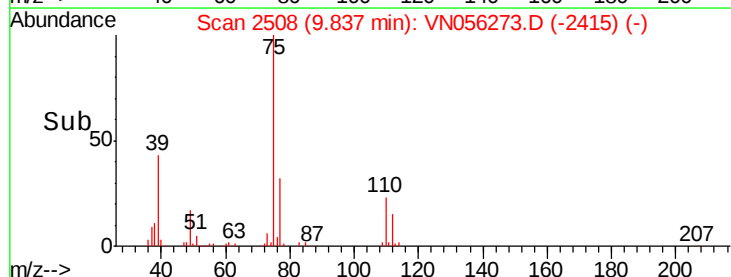
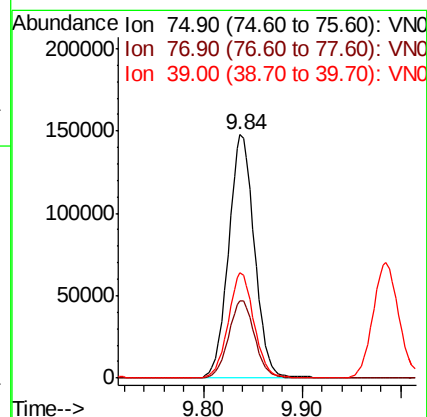
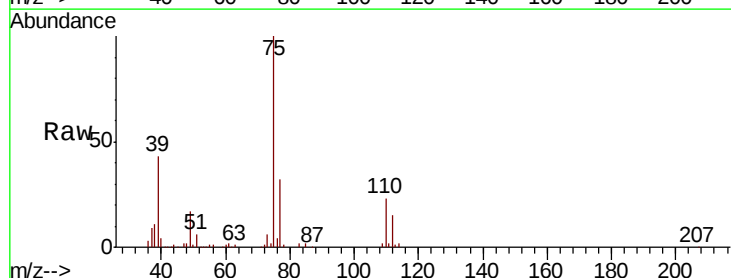
Tgt Ion: 75 Resp: 271751

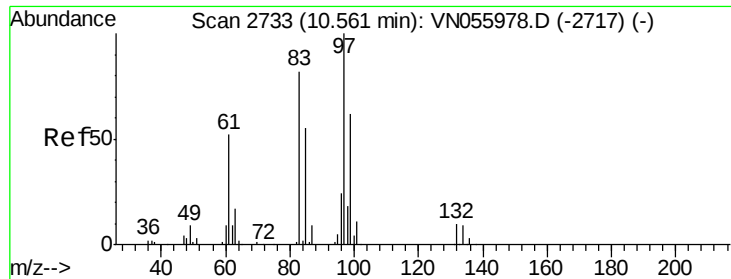
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 43.2 36.3 54.5

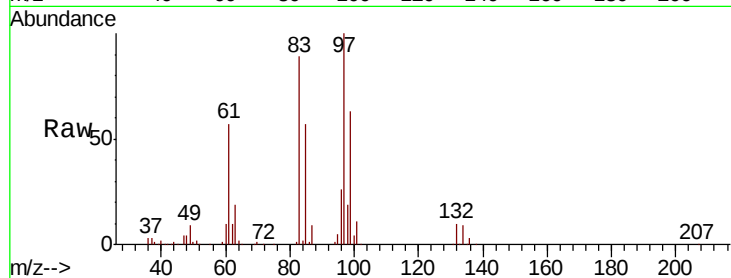




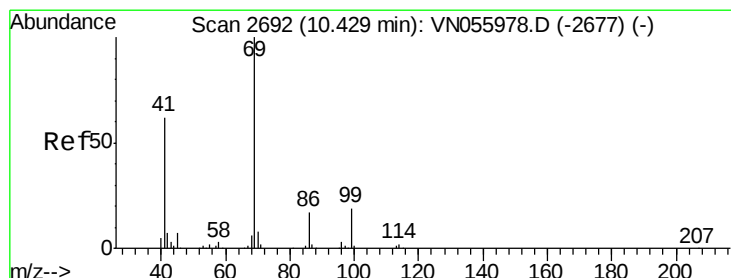
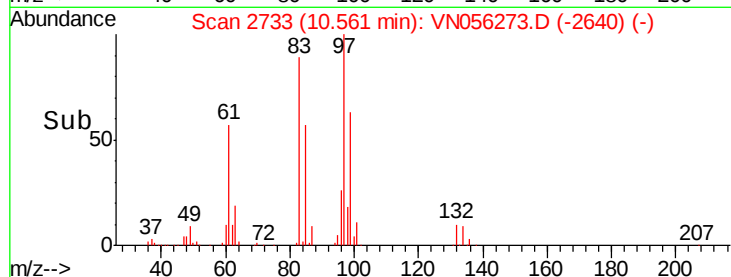
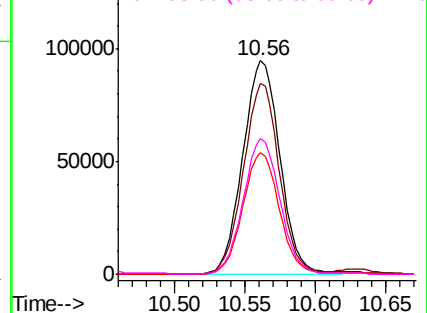
#55
 1,1,2-Trichloroethane
 Concen: 54.187 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	175645
Ion	Ratio	Lower	Upper
97	100		
83	89.0	67.0	100.6
85	56.7	44.0	66.0
99	63.3	50.6	75.8

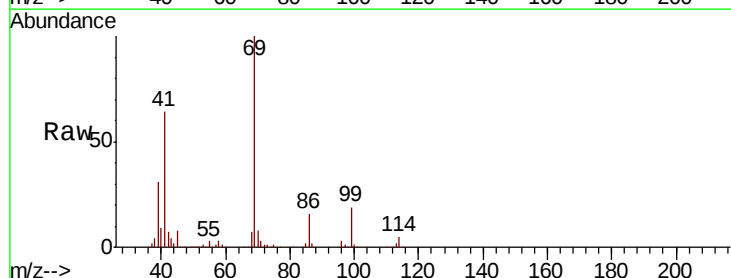


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

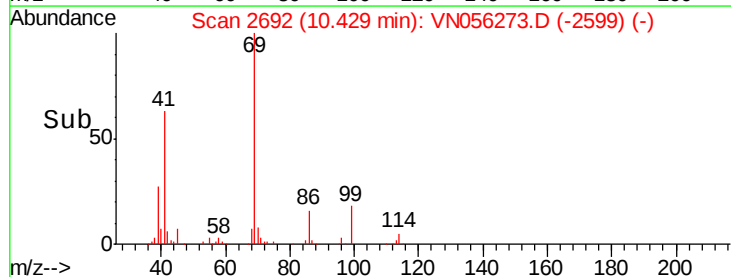
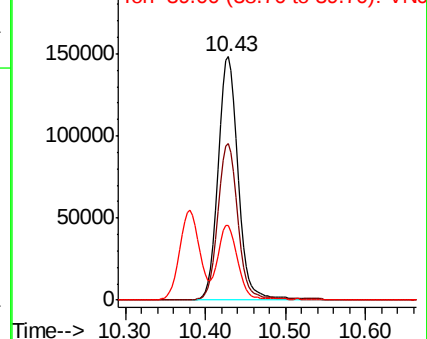


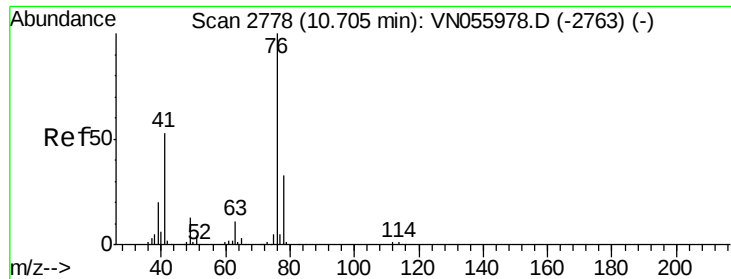
#56
 Ethyl methacrylate
 Concen: 54.883 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

Tgt Ion:	69	Resp:	259538
Ion	Ratio	Lower	Upper
69	100		
41	63.4	49.7	74.5
39	29.5	24.7	37.1



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

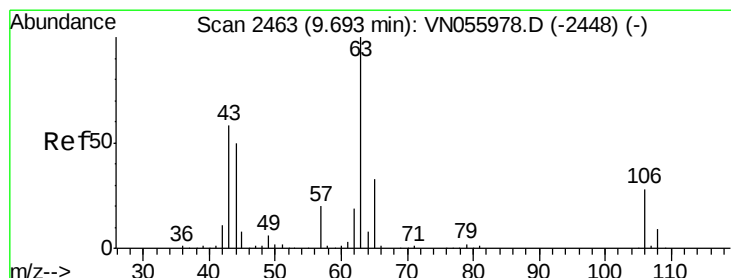
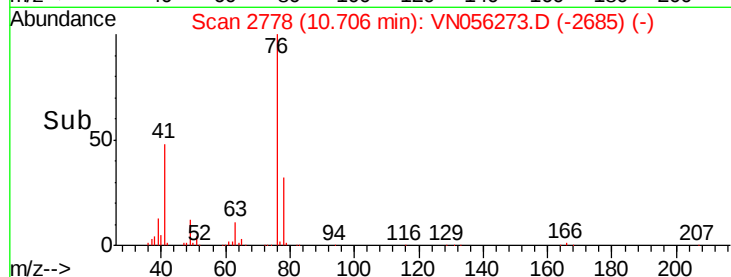
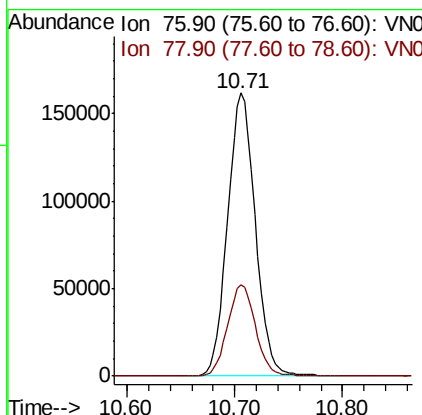
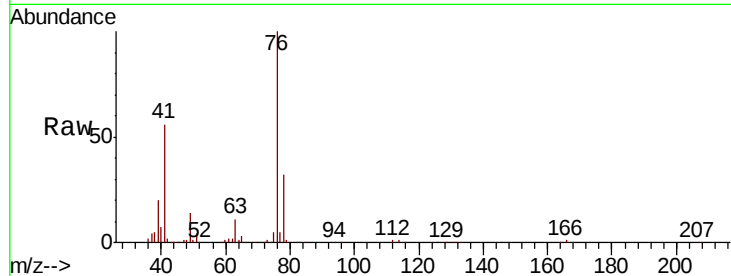




#57
 1,3-Dichloropropane
 Concen: 55.176 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

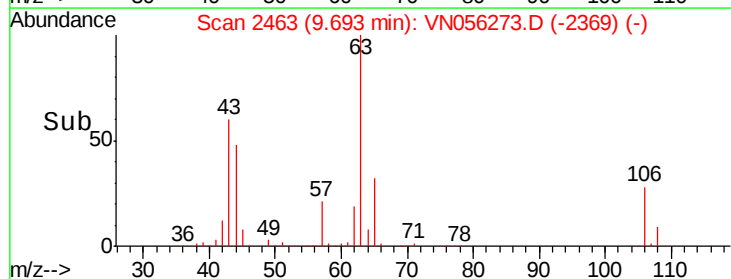
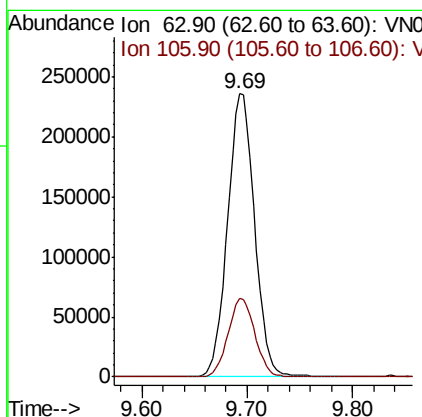
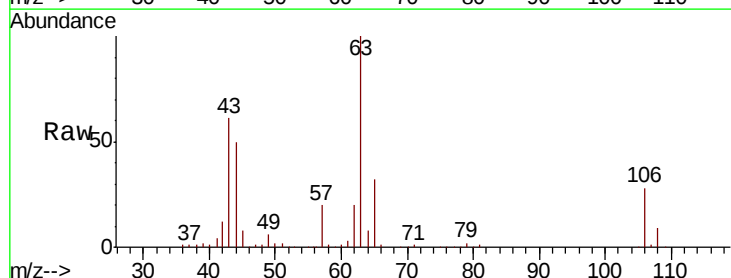
Instrument :
 MSVOA_N
 ClientSampleId :

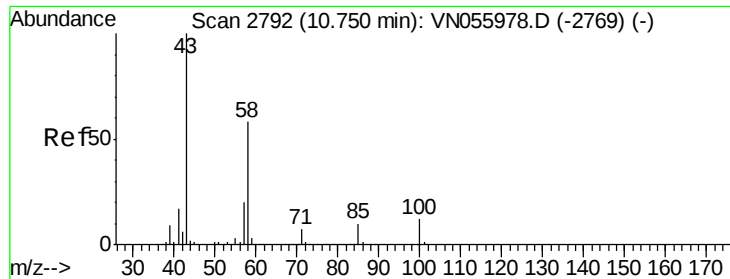
Tot Ion: 76 Resp: 290747
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.623 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

Tgt Ion: 63 Resp: 418148
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.7 34.1





#59

2-Hexanone

Concen: 282.259 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

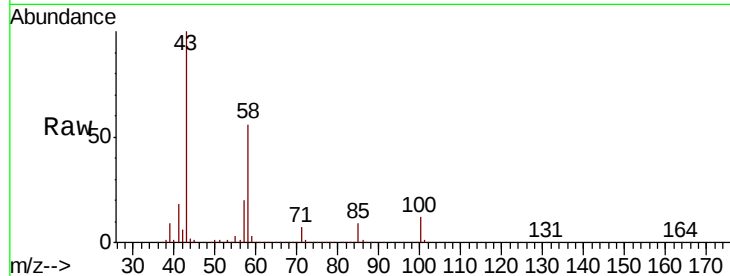
ClientSampleId :

Tot Ion: 43 Resp: 798650

Ion Ratio Lower Upper

43 100

58 56.1 28.2 84.7



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2769) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2769) (-)

10.75

500000

400000

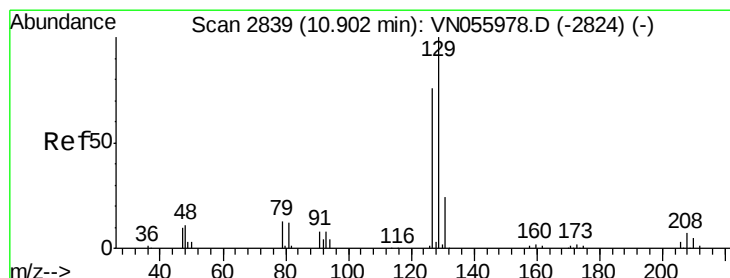
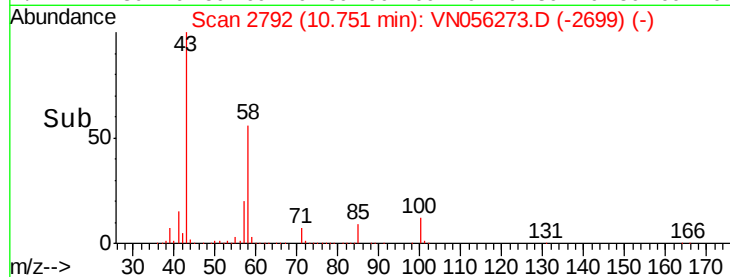
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 52.035 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056273.D

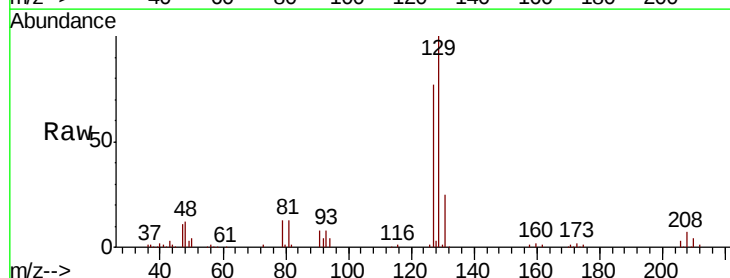
Acq: 13 Jun 2019 11:27

Tgt Ion: 129 Resp: 186400

Ion Ratio Lower Upper

129 100

127 77.3 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): VN055978.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2824) (-)

10.90

120000

100000

80000

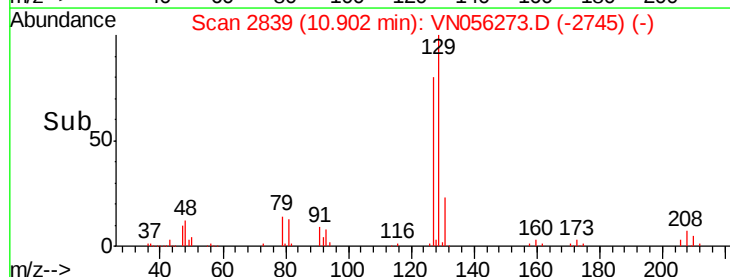
60000

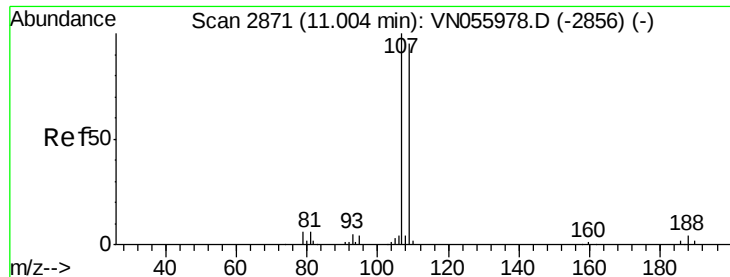
40000

20000

0

Time-->

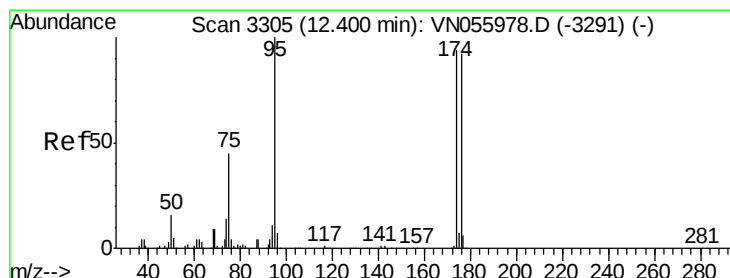
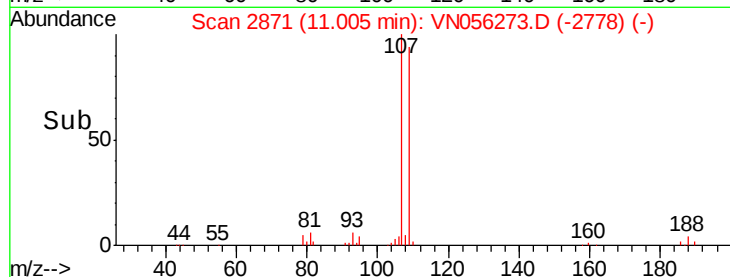
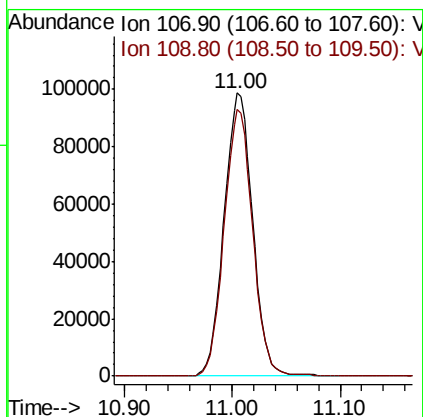
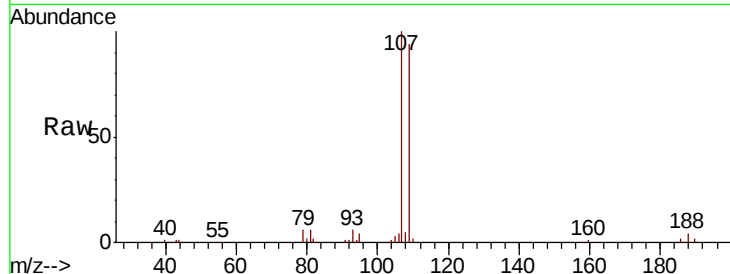




#61
 1,2-Dibromoethane
 Concen: 55.005 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

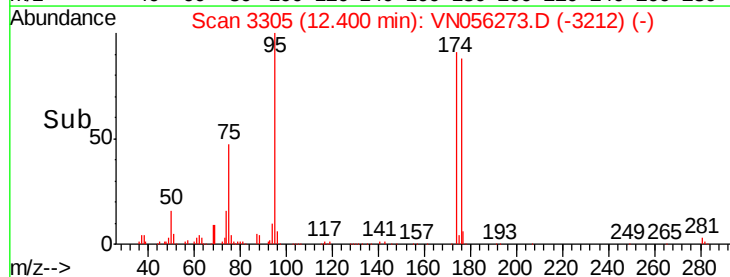
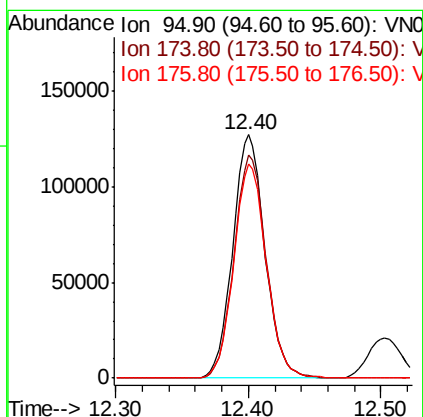
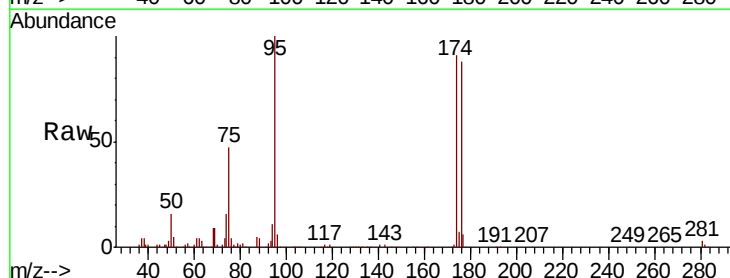
Instrument :
 MSVOA_N
 ClientSampled :

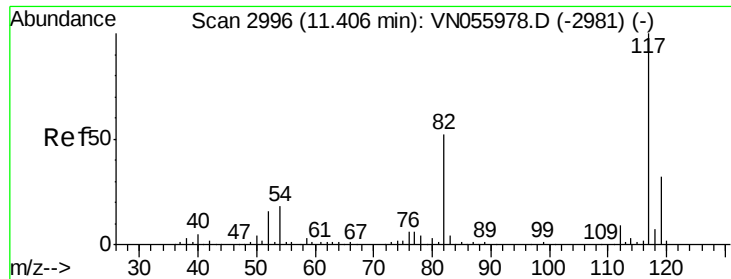
Tot Ion: 107 Resp: 182273
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 52.873 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

Tgt Ion: 95 Resp: 213758
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 191.0
 176 89.2 0.0 185.2

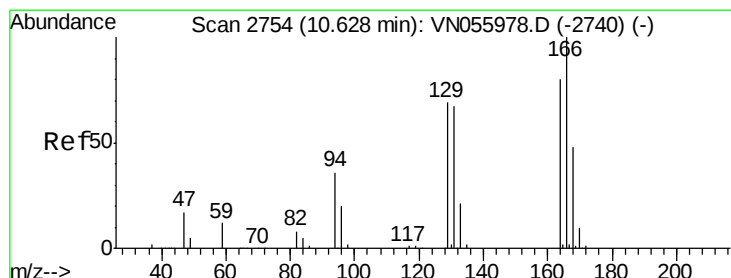
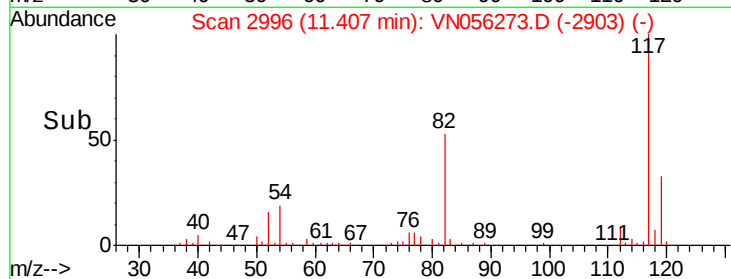
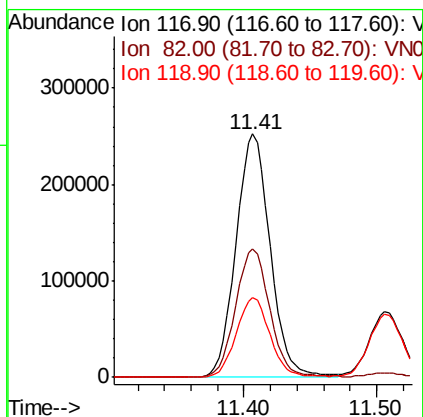
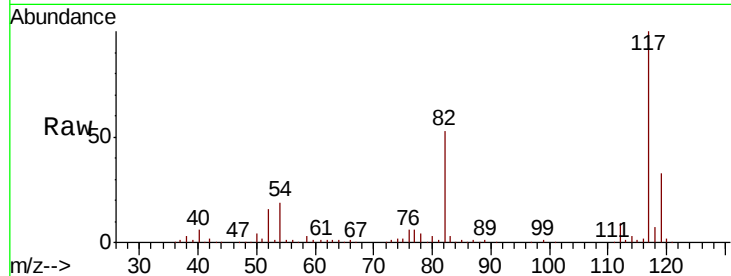




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

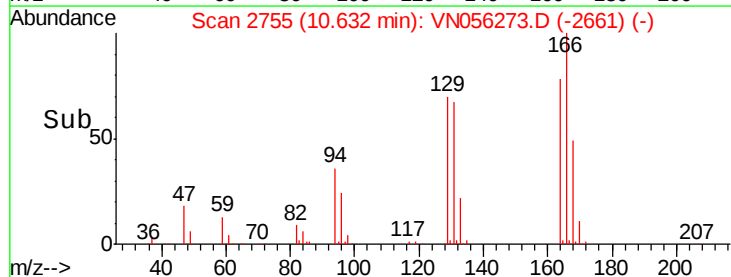
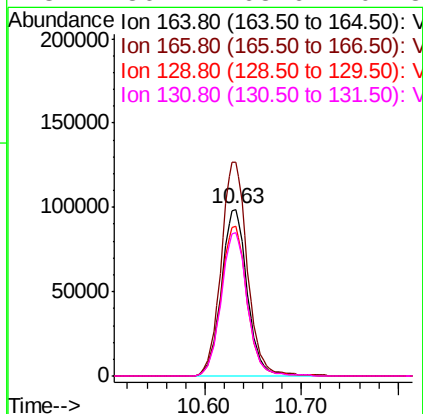
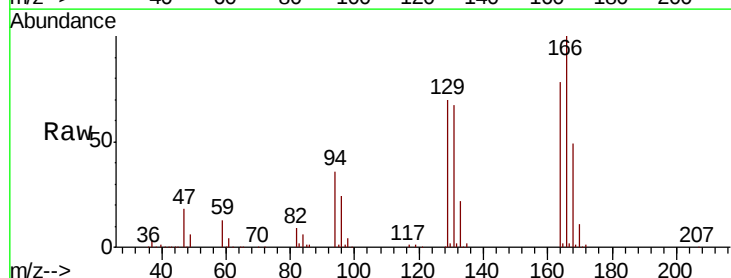
Instrument :
MSVOA_N
ClientSampleId :

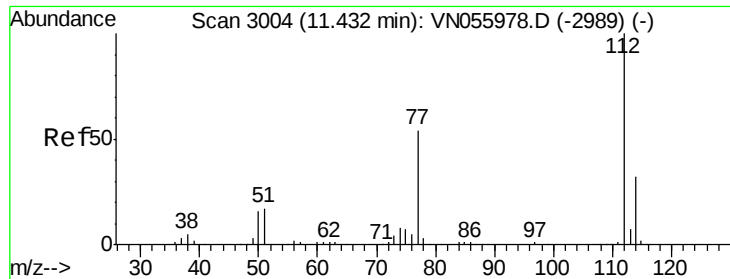
Tot Ion:117 Resp: 453142
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.8
119 32.8 25.4 38.0



#64
Tetrachloroethene
Concen: 46.811 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion:164 Resp: 183612
Ion Ratio Lower Upper
164 100
166 128.3 103.0 154.6
129 89.8 70.6 105.8
131 86.1 68.6 102.8

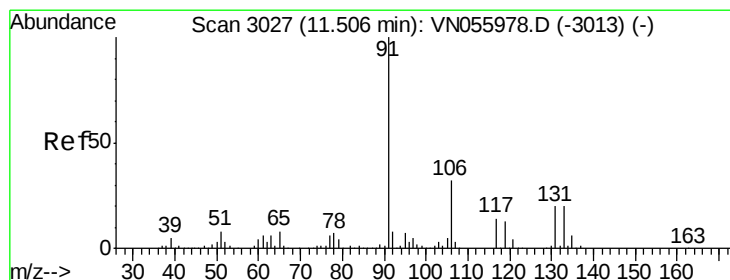
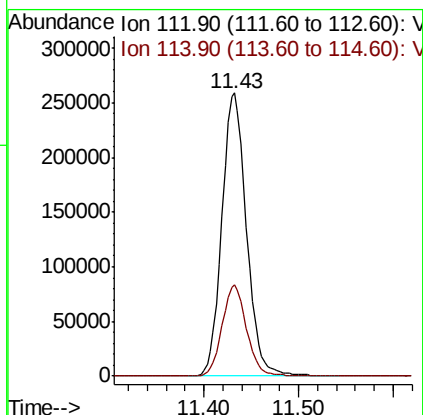
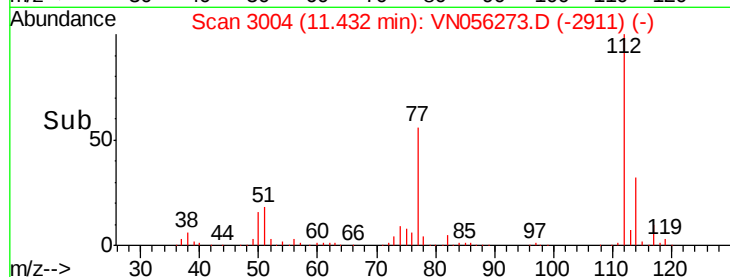
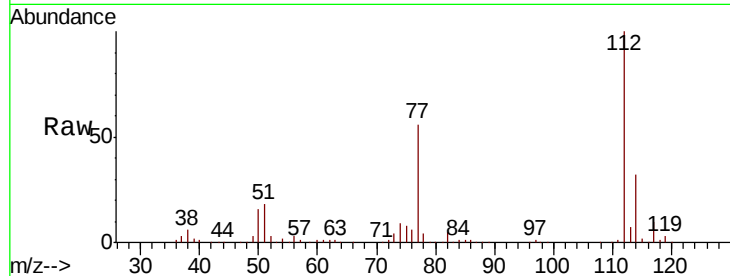




#65
Chlorobenzene
Concen: 51.956 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

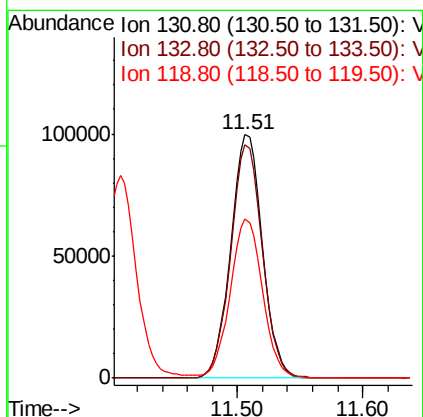
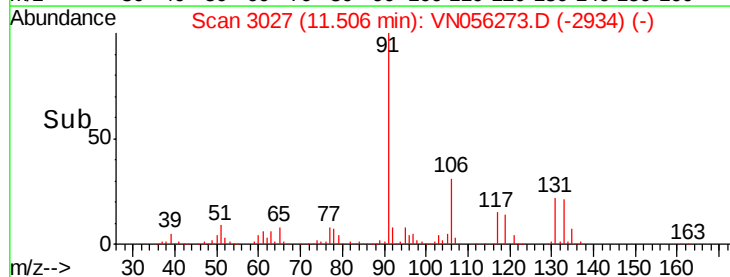
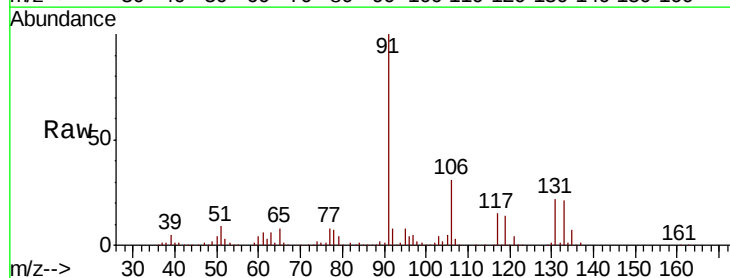
Instrument :
MSVOA_N
ClientSampled :

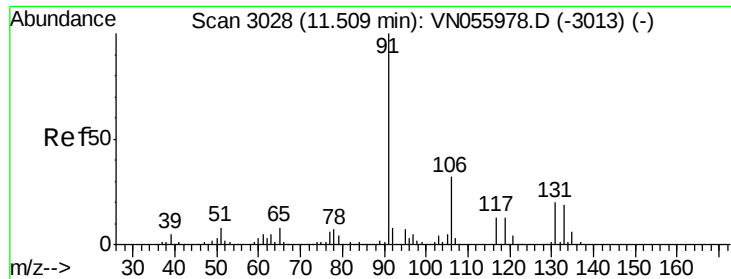
Tot Ion:112 Resp: 468562
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 56.014 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion:131 Resp: 174425
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 67.1 33.1 99.5

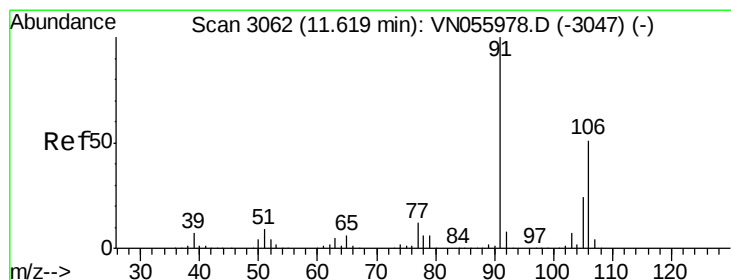
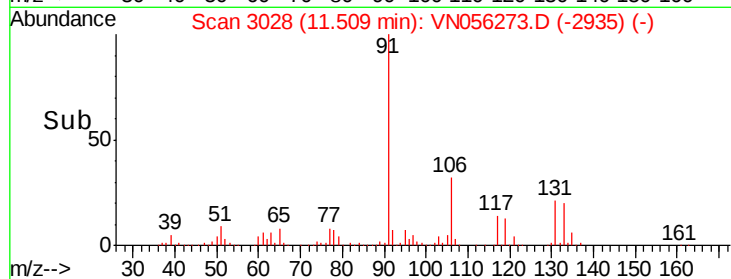
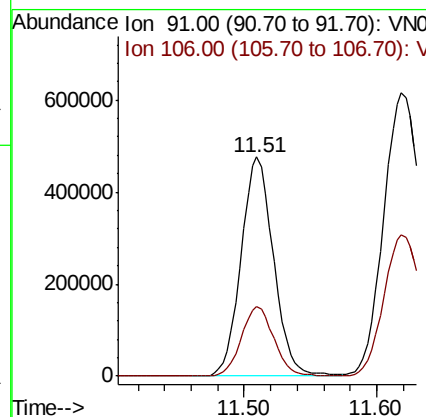
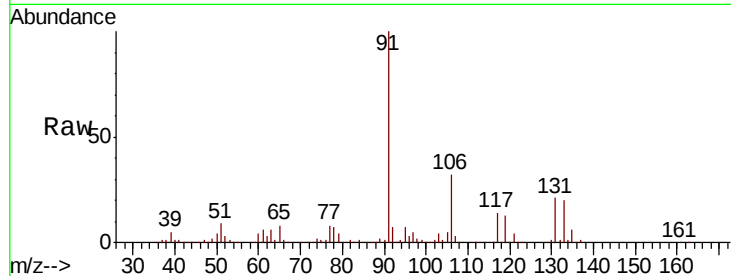




#67
Ethyl Benzene
Concen: 51.793 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

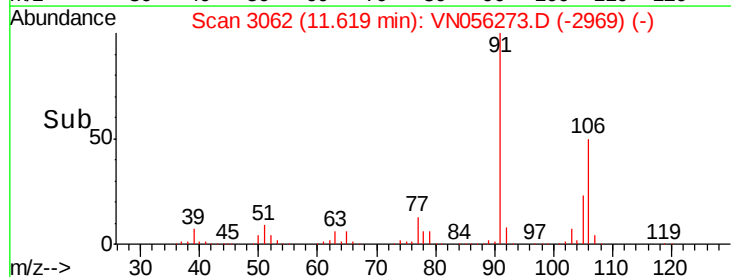
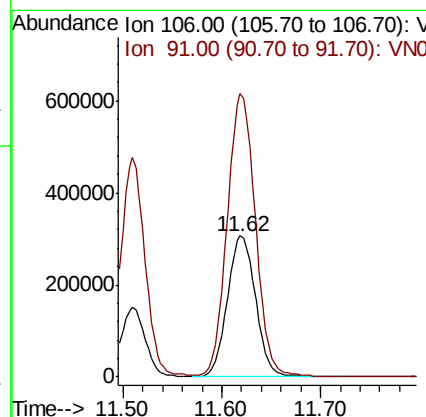
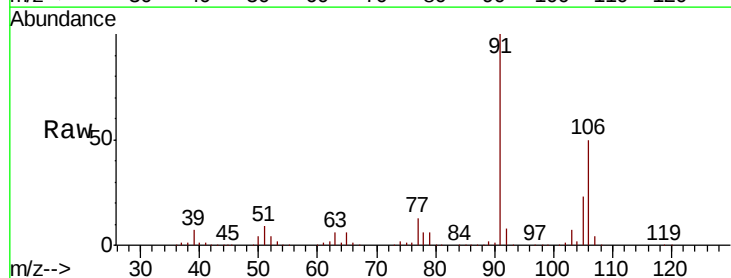
Instrument :
MSVOA_N
ClientSampleId :

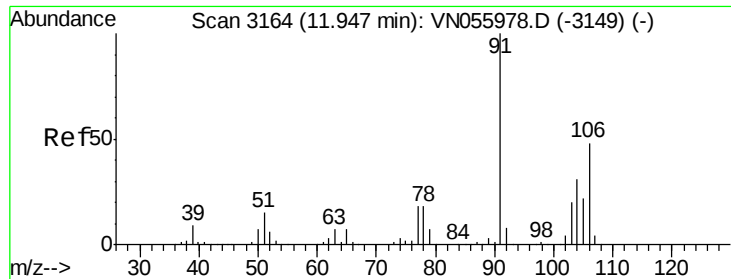
Tot Ion: 91 Resp: 812197
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 103.192 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 106 Resp: 618178
Ion Ratio Lower Upper
106 100
91 199.9 159.3 238.9

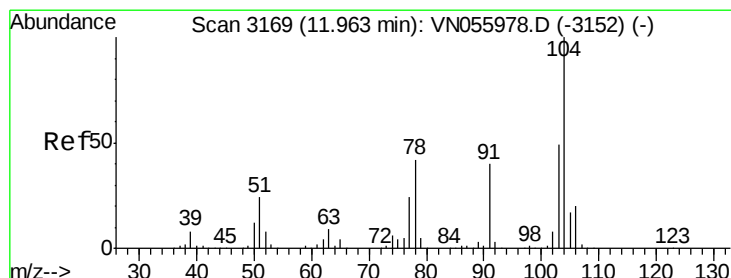
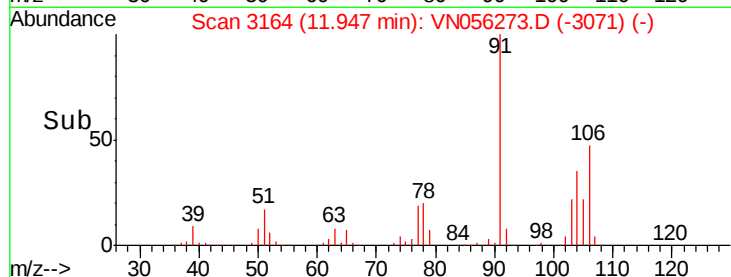
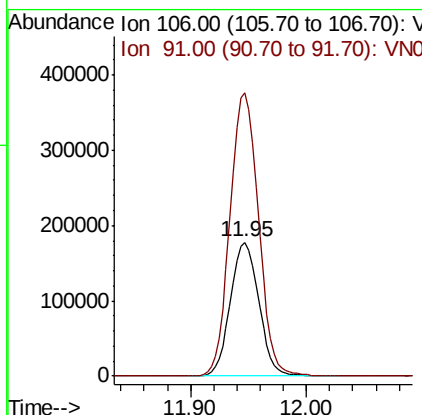
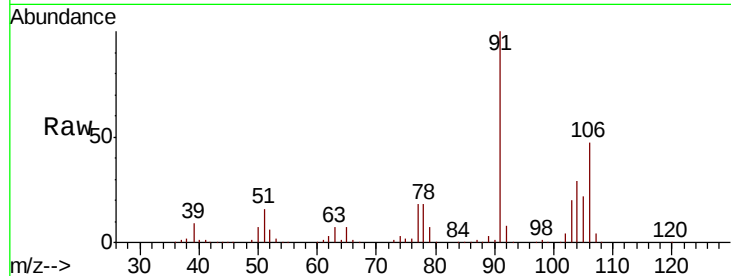




#69
o-Xylene
Concen: 51.341 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

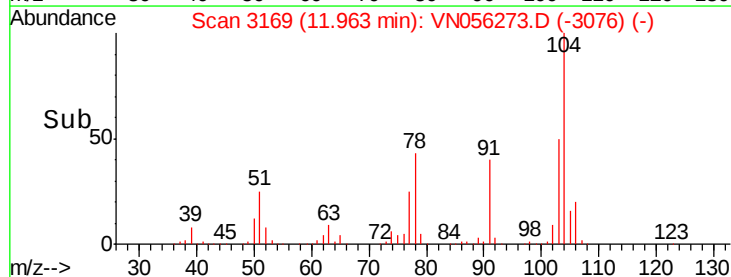
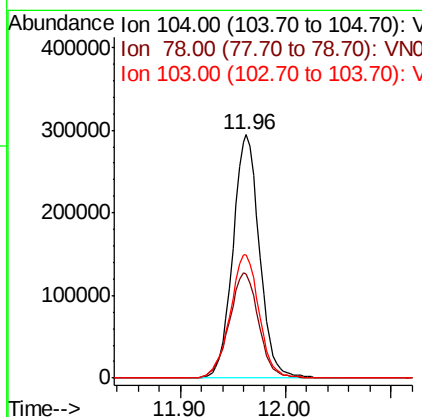
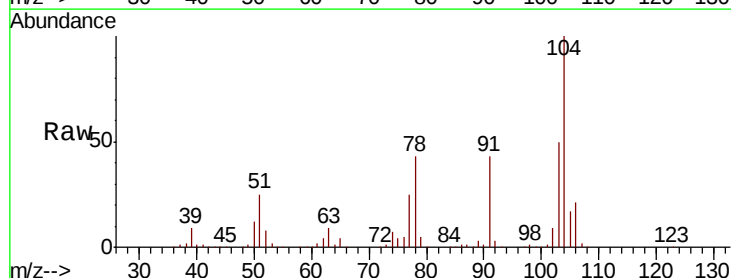
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 302537
Ion Ratio Lower Upper
106 100
91 212.5 104.7 314.1



#70
Styrene
Concen: 54.772 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion:104 Resp: 512809
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 55.3 44.2 66.2

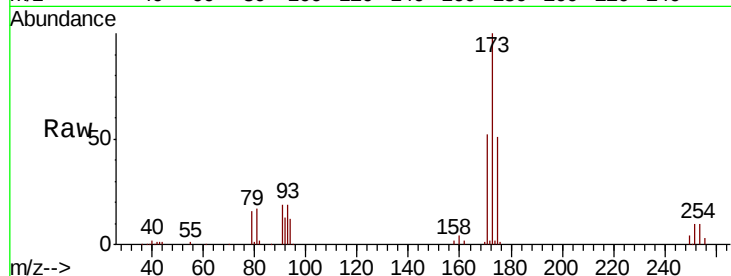




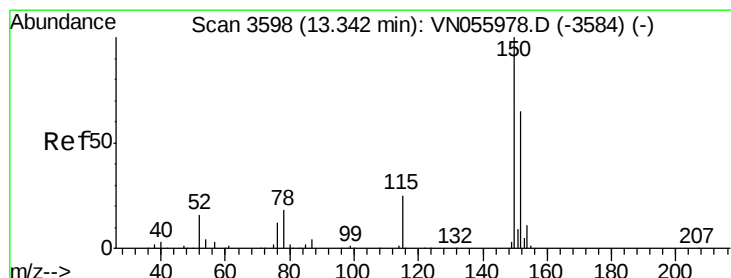
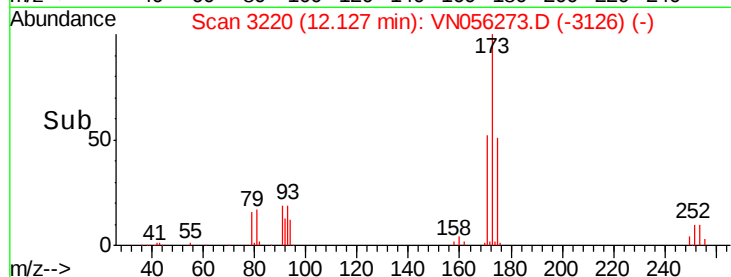
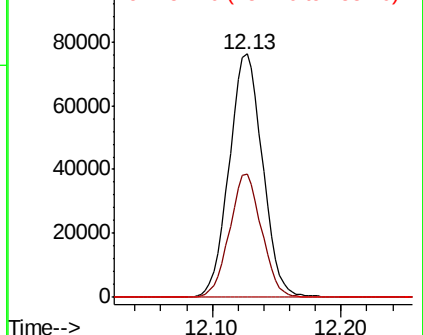
#71
Bromoform
Concen: 52.361 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 137247
Ion Ratio Lower Upper
173 100
175 48.6 24.3 72.8
254 0.0 0.0 0.0

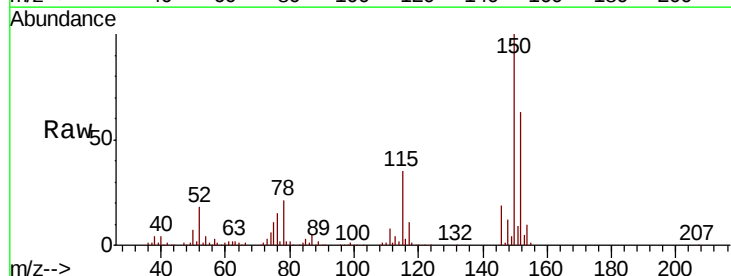


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

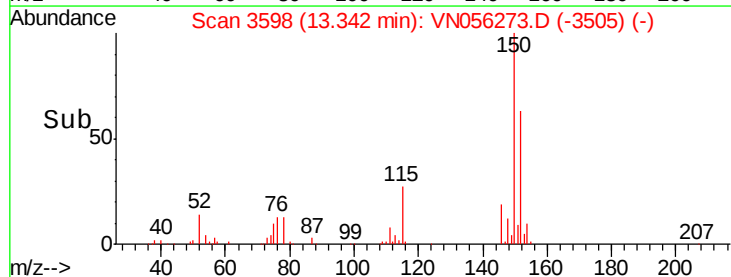
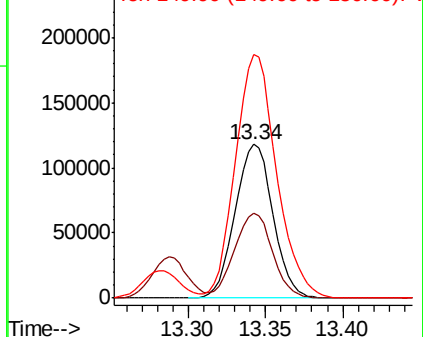


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion:152 Resp: 200558
Ion Ratio Lower Upper
152 100
115 55.5 27.0 81.0
150 172.9 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.678 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

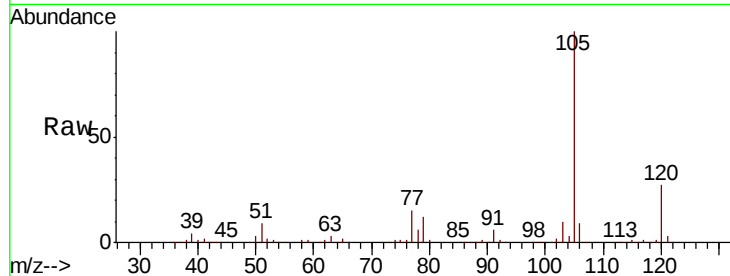
ClientSampleId :

Tot Ion:105 Resp: 805633

Ion Ratio Lower Upper

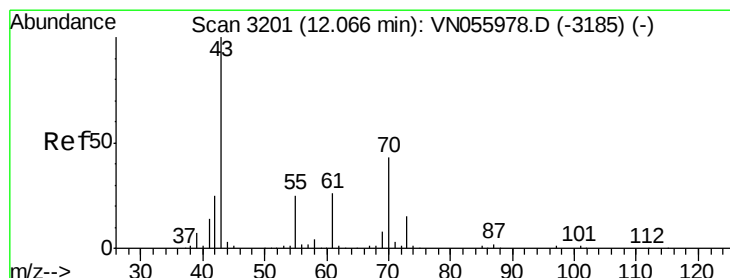
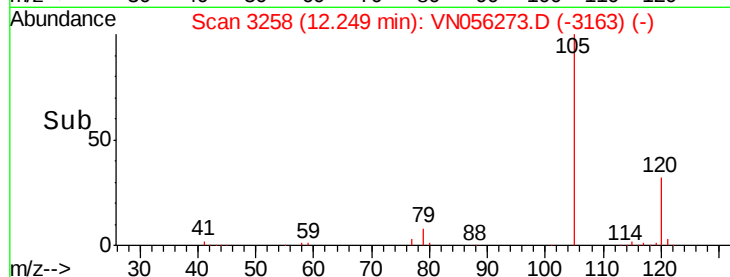
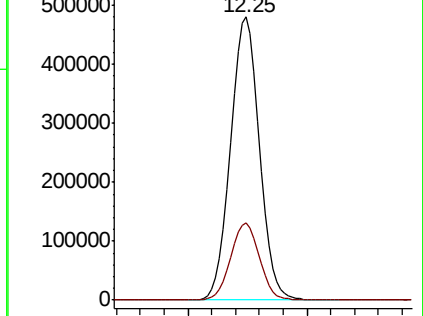
105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.253 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Tgt Ion: 43 Resp: 284702

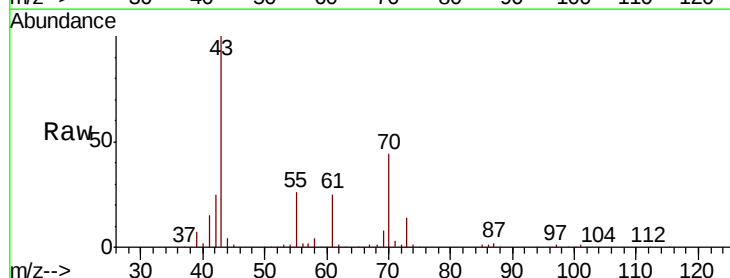
Ion Ratio Lower Upper

43 100

70 44.6 34.0 51.0

55 25.8 18.6 28.0

61 25.1 20.0 30.0

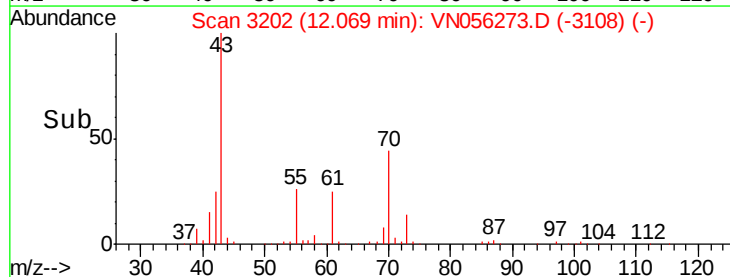
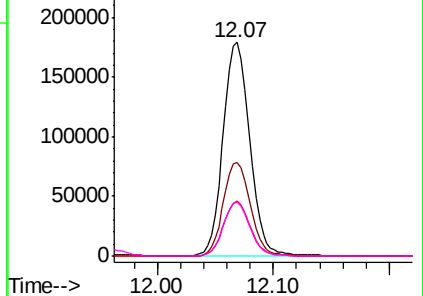


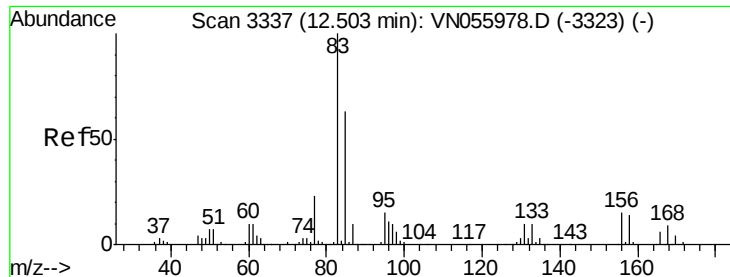
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.147 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

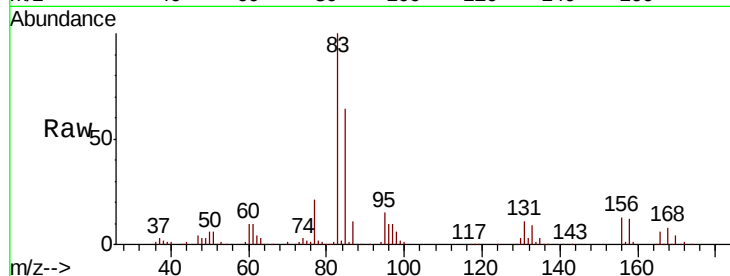
Tot Ion: 83 Resp: 247442

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

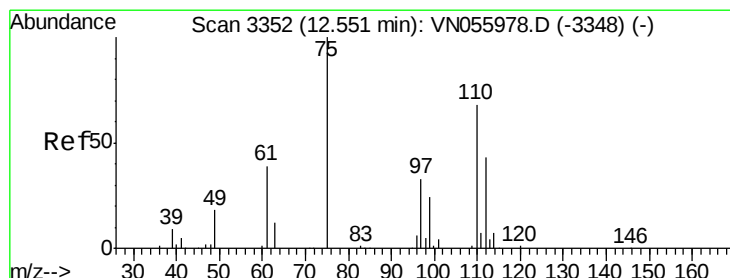
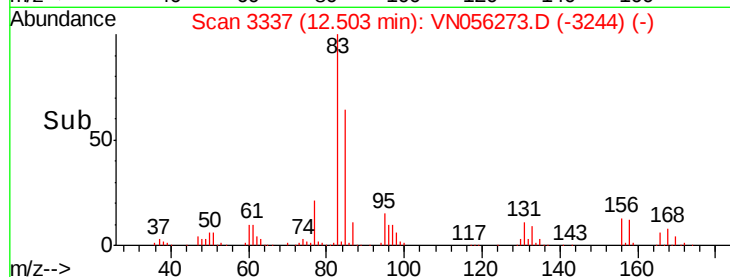
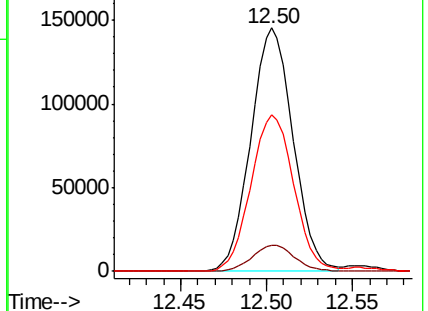
85 65.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN056273.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN056273.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN056273.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 78.368 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056273.D

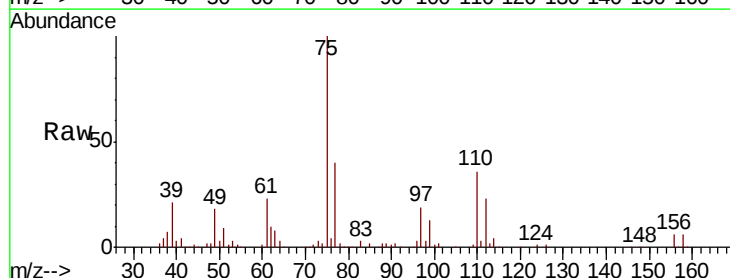
Acq: 13 Jun 2019 11:27

Tgt Ion: 75 Resp: 289205

Ion Ratio Lower Upper

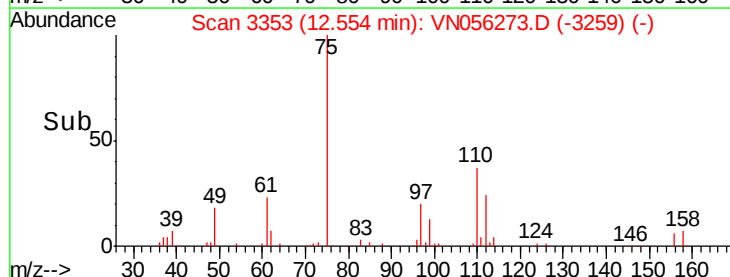
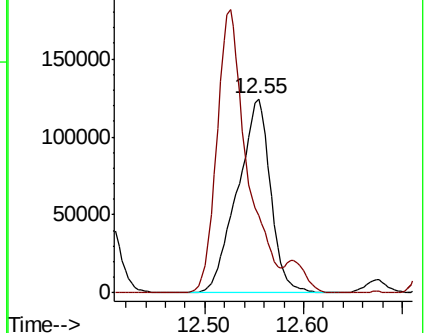
75 100

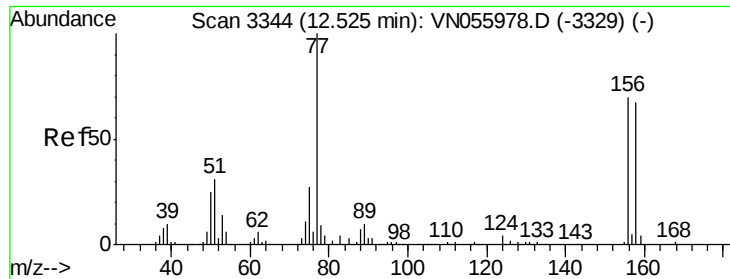
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056273.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056273.D (-3259) (-)





#77

Bromobenzene

Concen: 49.329 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

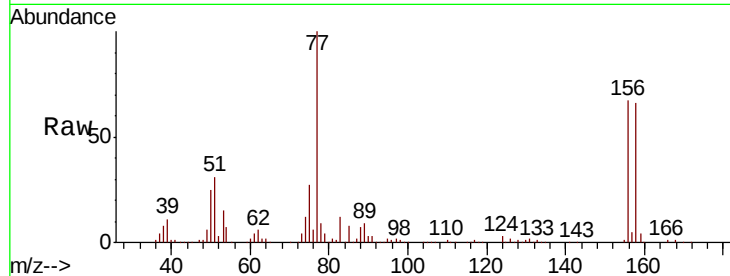
Tot Ion:156 Resp: 211813

Ion Ratio Lower Upper

156 100

77 184.0 90.8 272.5

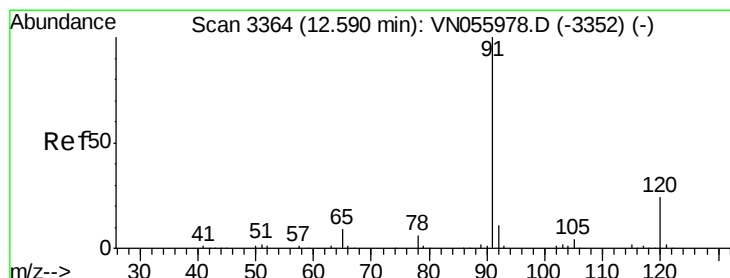
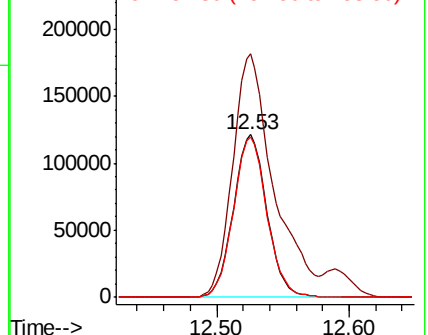
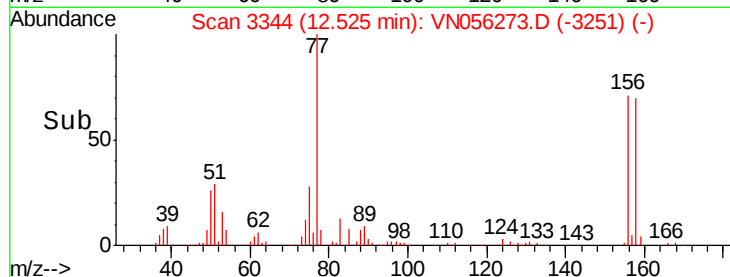
158 98.8 49.3 147.8



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: 52.245 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056273.D

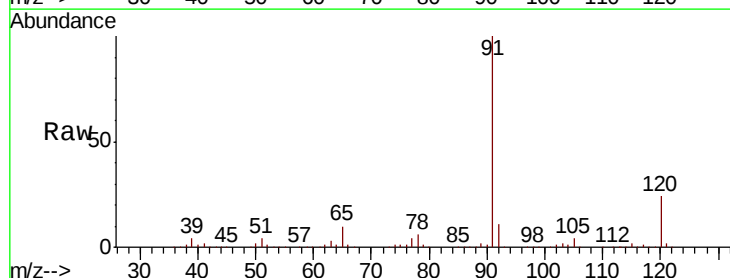
Acq: 13 Jun 2019 11:27

Tgt Ion: 91 Resp: 886443

Ion Ratio Lower Upper

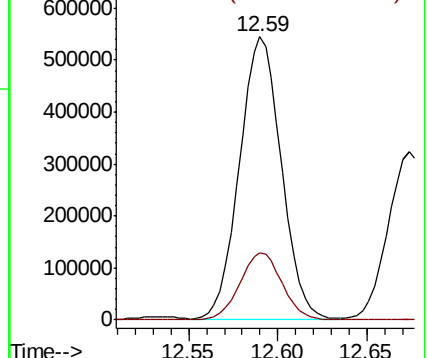
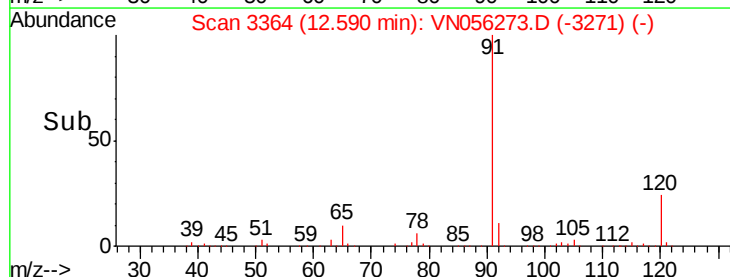
91 100

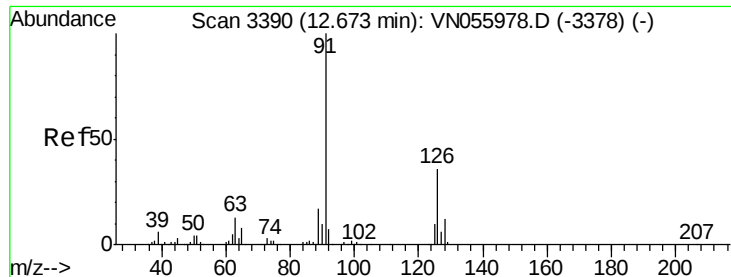
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.395 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

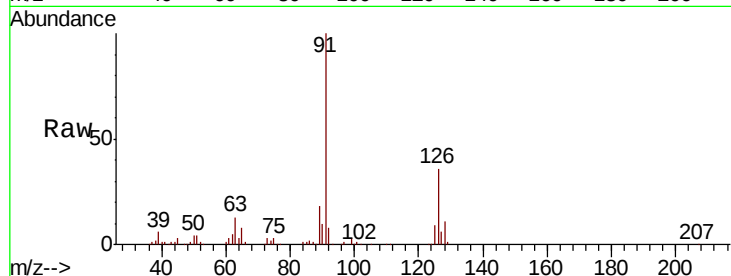
ClientSampled :

Tot Ion: 91 Resp: 536919

Ion Ratio Lower Upper

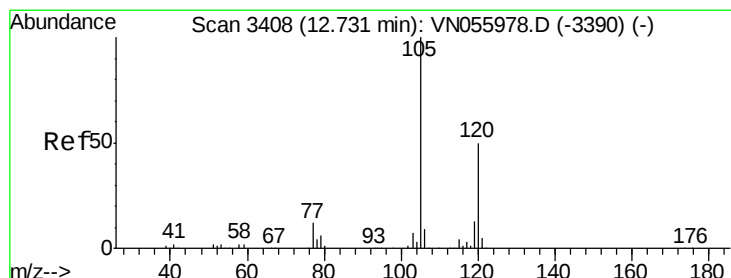
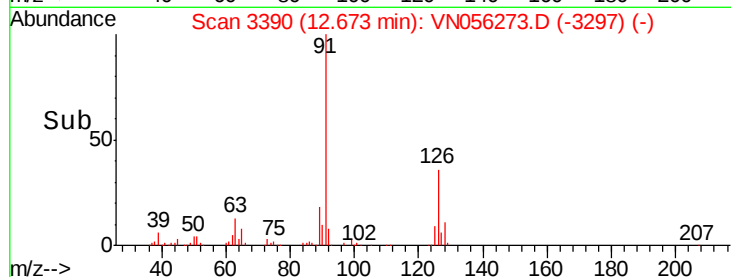
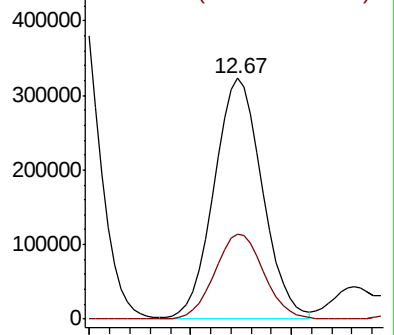
91 100

126 36.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.032 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056273.D

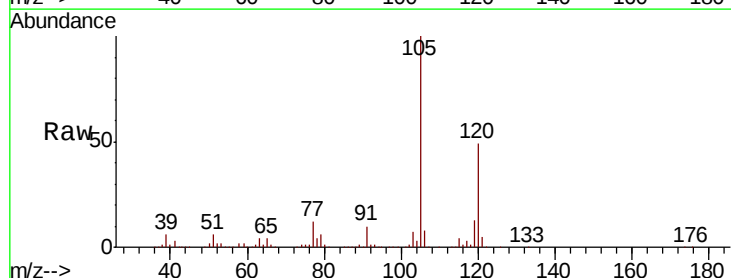
Acq: 13 Jun 2019 11:27

Tgt Ion: 105 Resp: 674672

Ion Ratio Lower Upper

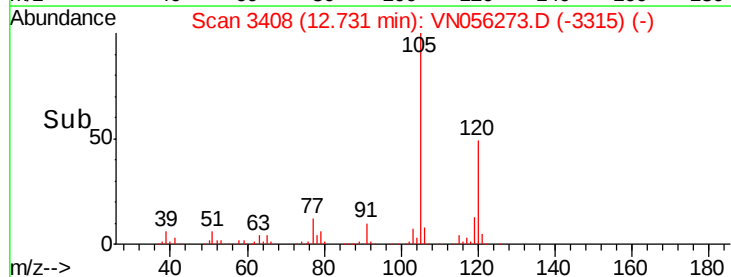
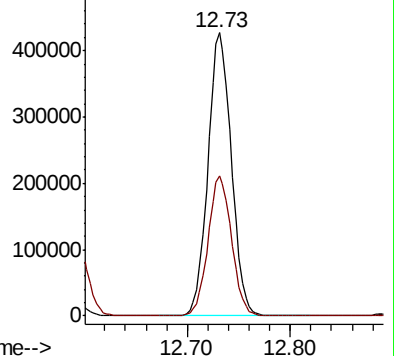
105 100

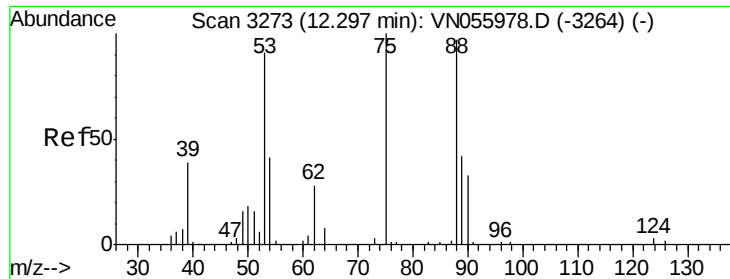
120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)

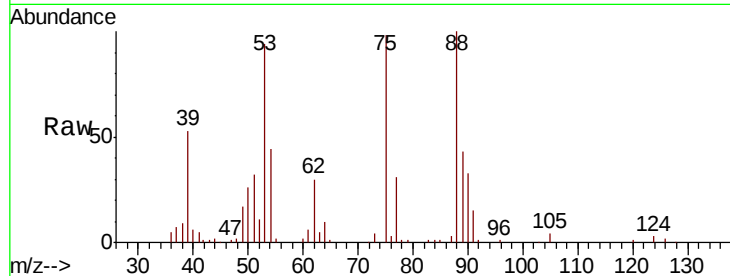




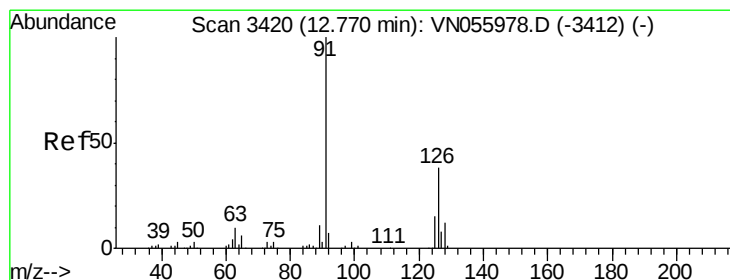
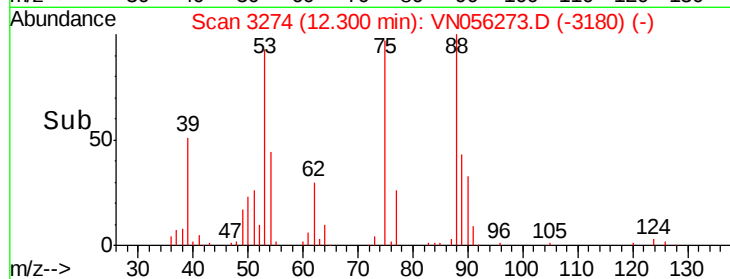
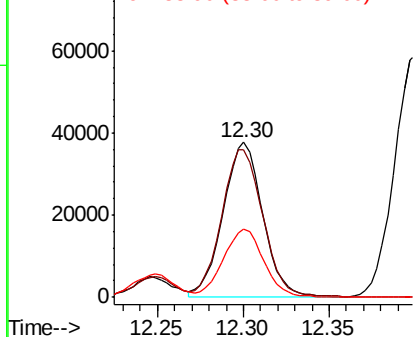
#81
trans-1,4-Dichloro-2-butene
Concen: 54.965 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 60909
Ion Ratio Lower Upper
75 100
53 99.1 68.1 102.1
89 44.7 36.9 55.3

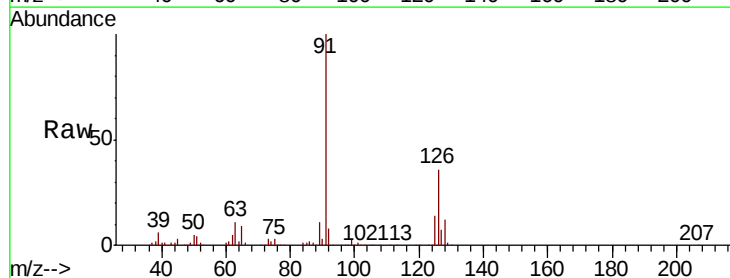


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

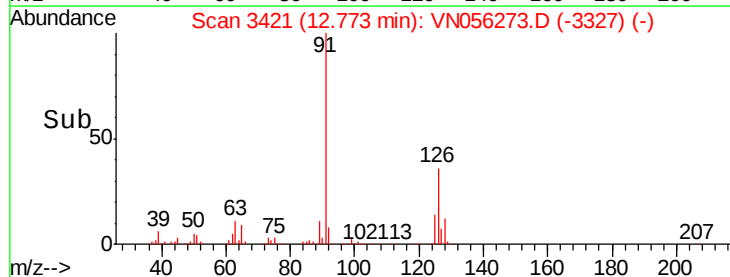
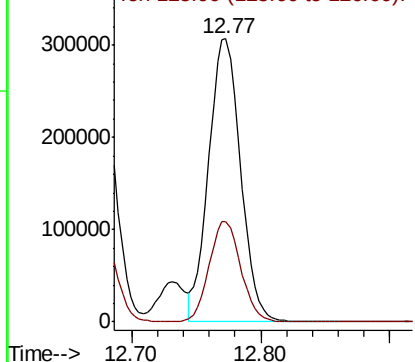


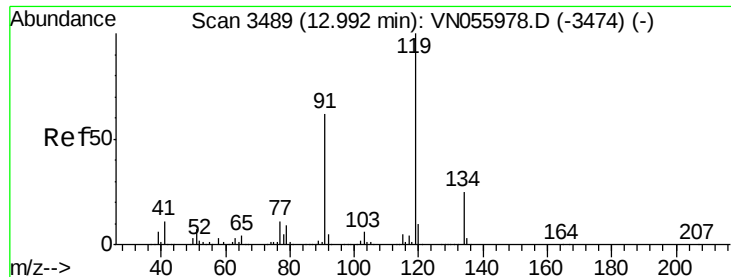
#82
4-Chlorotoluene
Concen: 53.075 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion: 91 Resp: 526850
Ion Ratio Lower Upper
91 100
126 35.3 17.8 53.3



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

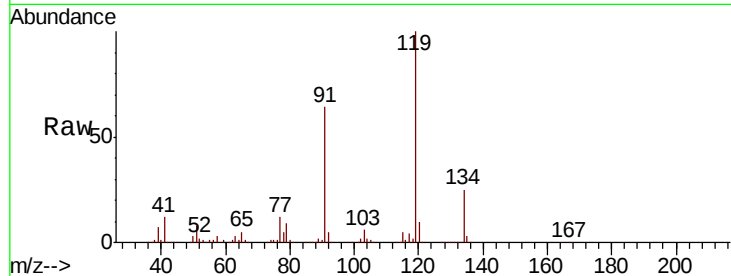




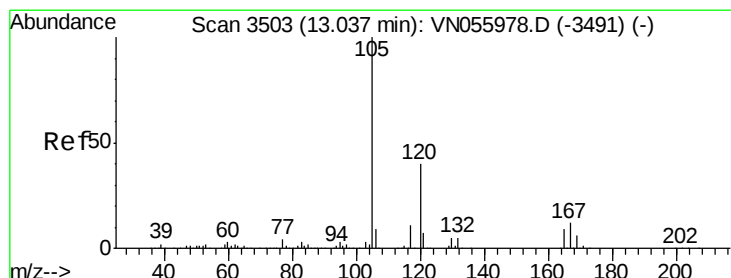
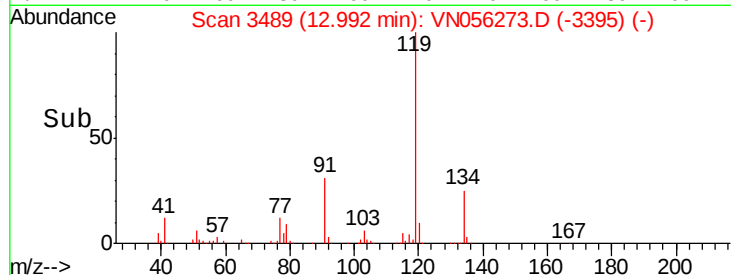
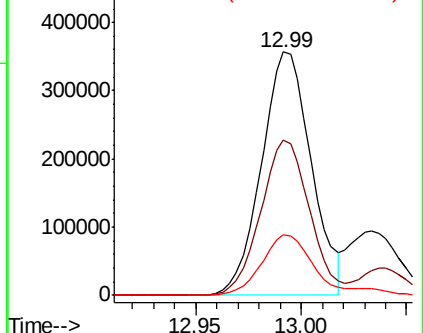
#83
tert-Butylbenzene
Concen: 56.403 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 586472
Ion Ratio Lower Upper
119 100
91 62.7 30.9 92.8
134 27.0 13.3 39.8

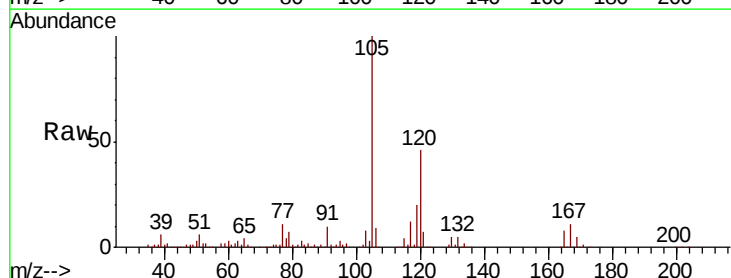


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

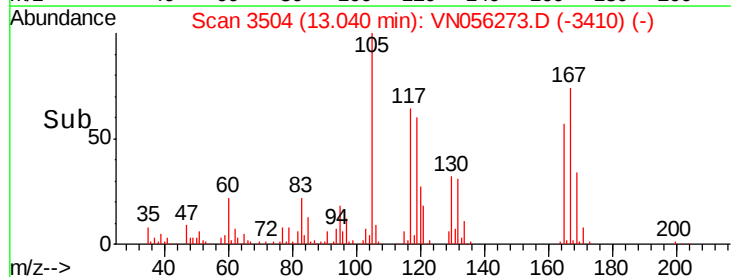
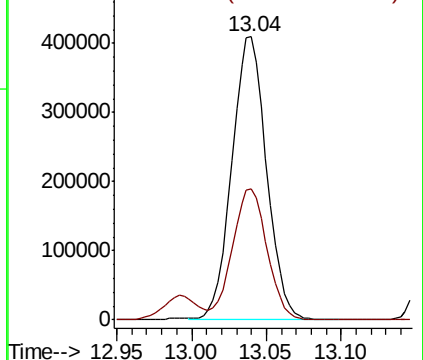


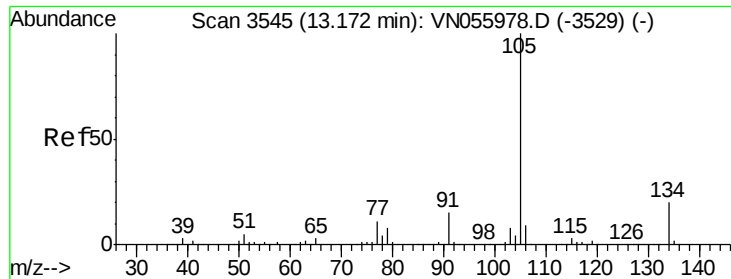
#84
1,2,4-Trimethylbenzene
Concen: 51.511 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056273.D
Acq: 13 Jun 2019 11:27

Tgt Ion:105 Resp: 658704
Ion Ratio Lower Upper
105 100
120 46.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.313 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

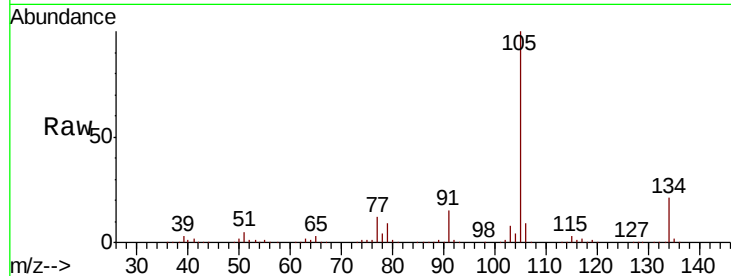
ClientSampled :

Tot Ion:105 Resp: 771021

Ion Ratio Lower Upper

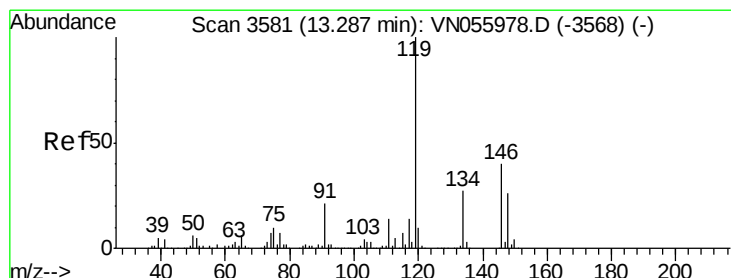
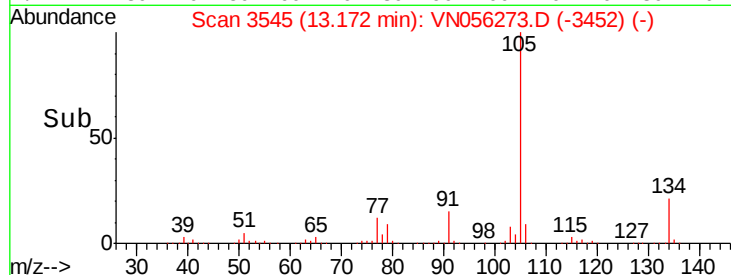
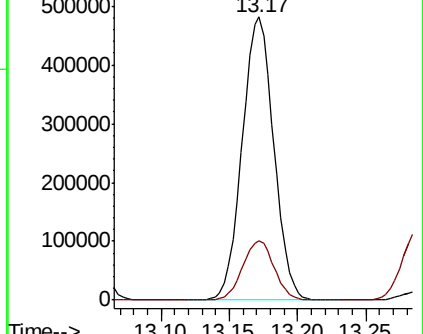
105 100

134 21.0 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.729 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

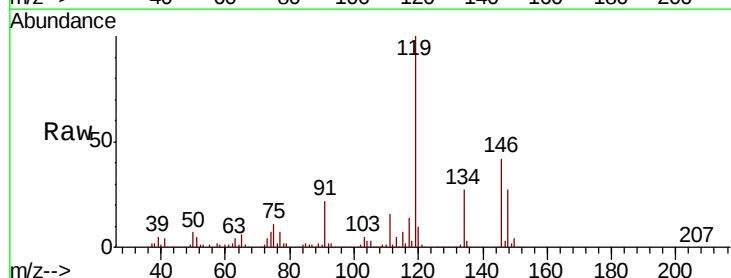
Tgt Ion:119 Resp: 695630

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

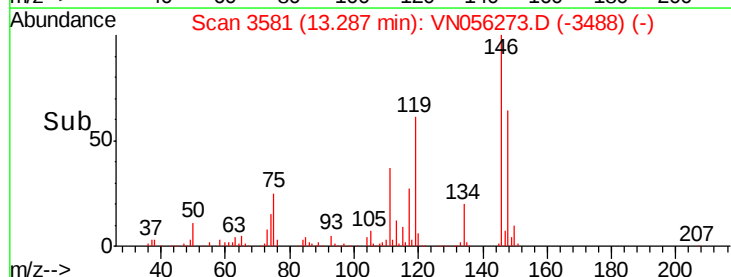
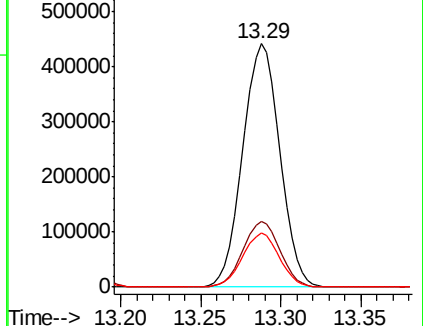
91 21.9 10.9 32.9

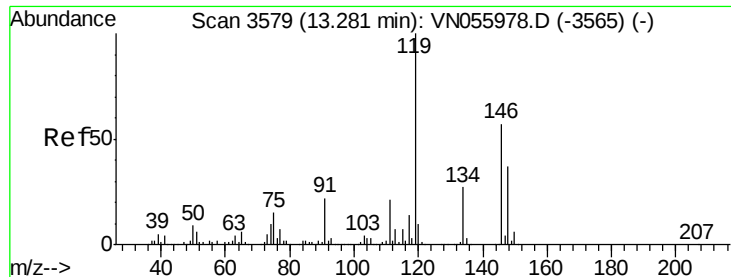


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.550 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

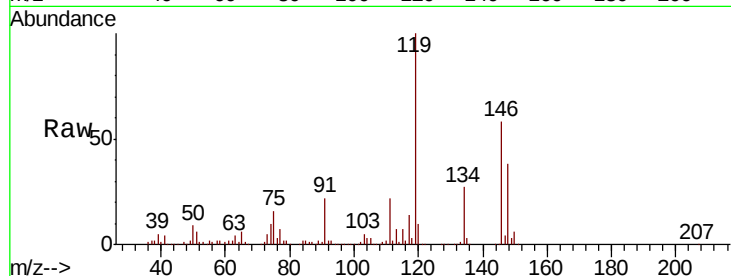
Tot Ion:146 Resp: 349231

Ion Ratio Lower Upper

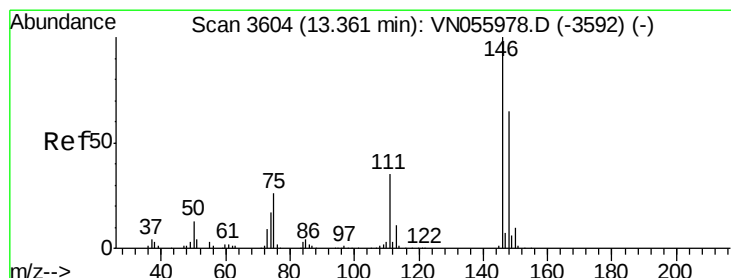
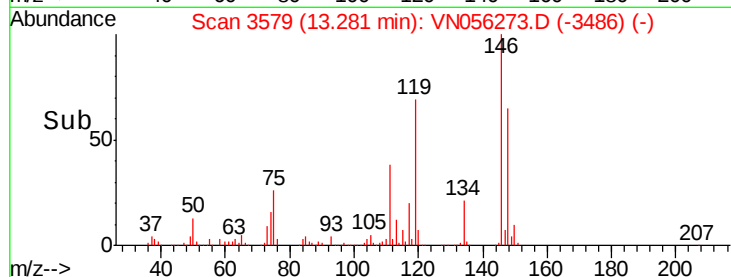
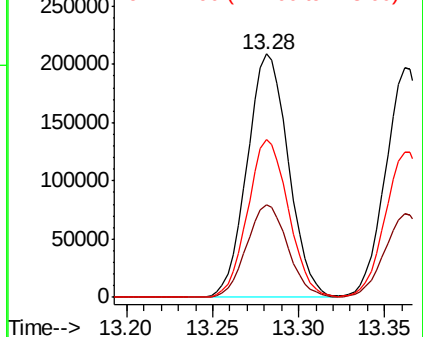
146 100

111 37.7 18.5 55.5

148 63.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.266 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

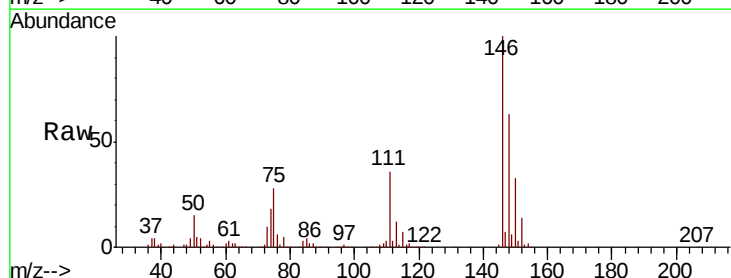
Tgt Ion:146 Resp: 334131

Ion Ratio Lower Upper

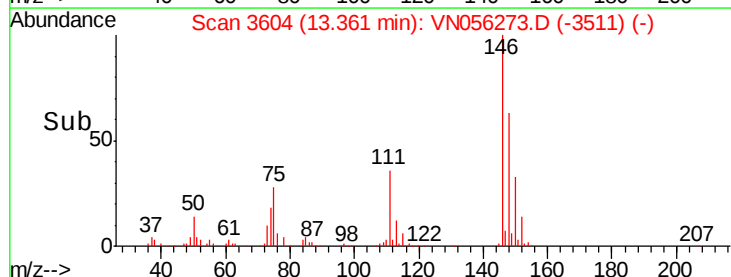
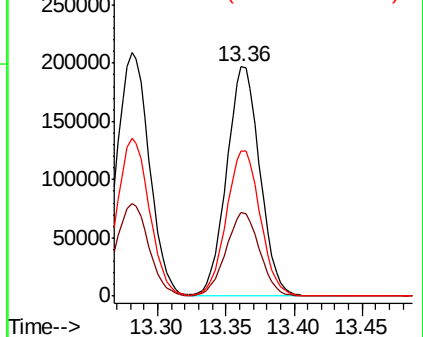
146 100

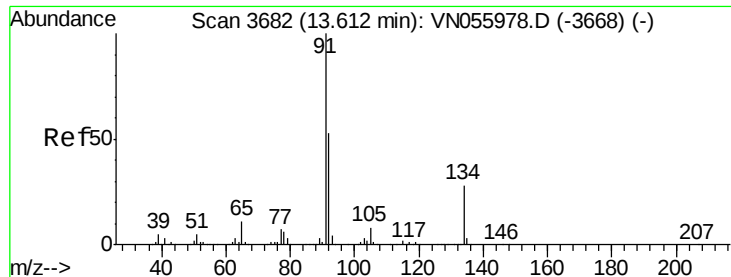
111 37.0 18.1 54.4

148 64.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 54.062 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

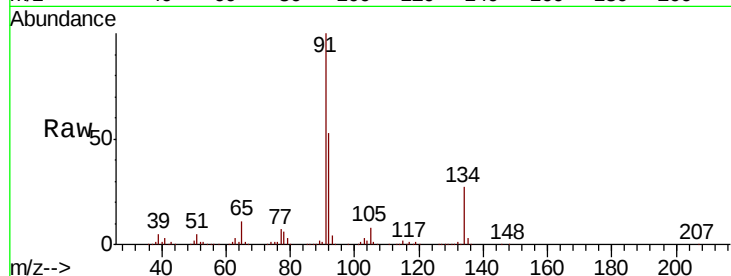
Tot Ion: 91 Resp: 538560

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.0

134 27.0 13.9 41.7

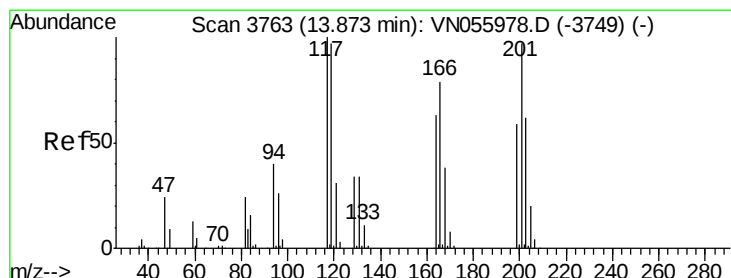
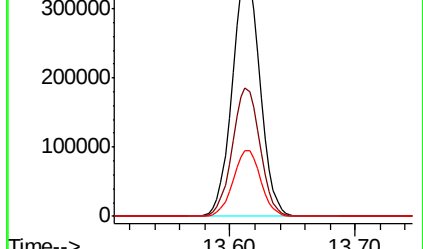
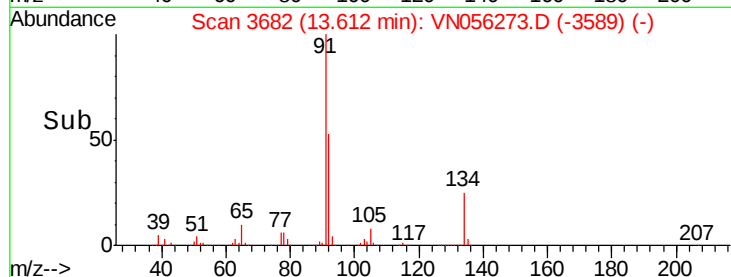


Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 58.565 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056273.D

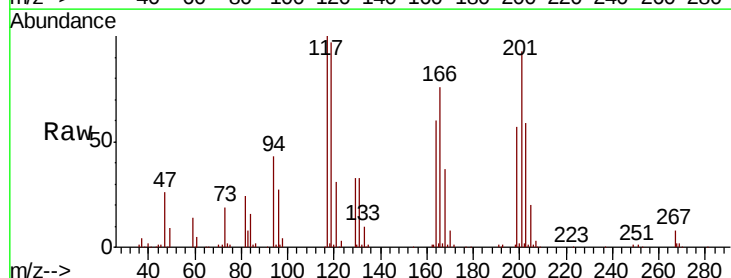
Acq: 13 Jun 2019 11:27

Tgt Ion: 117 Resp: 118772

Ion Ratio Lower Upper

117 100

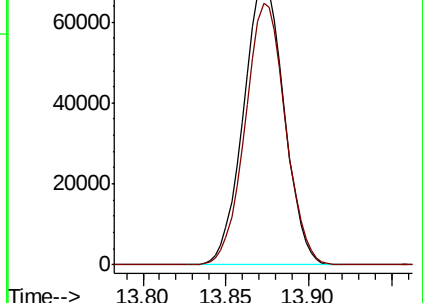
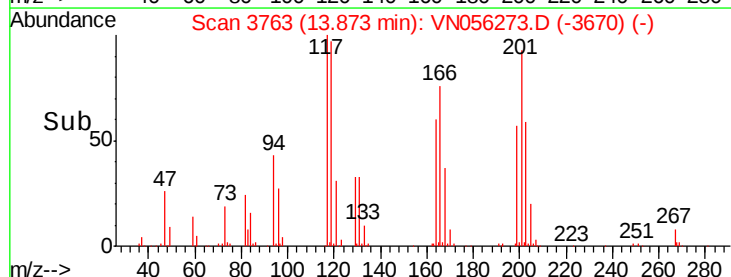
201 91.6 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)

Time-->

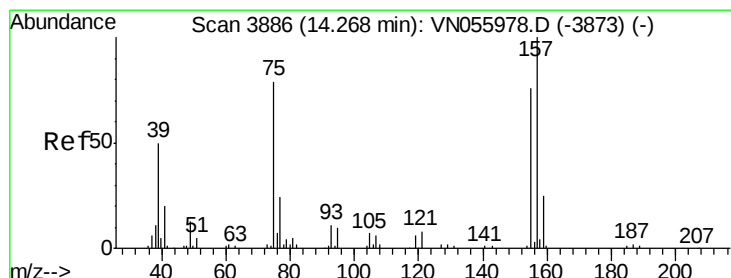
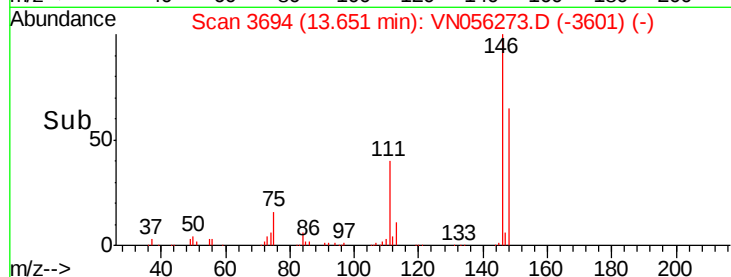
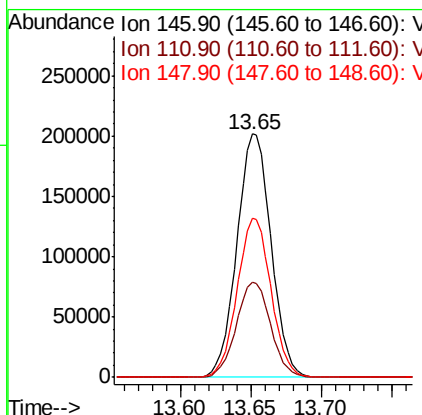
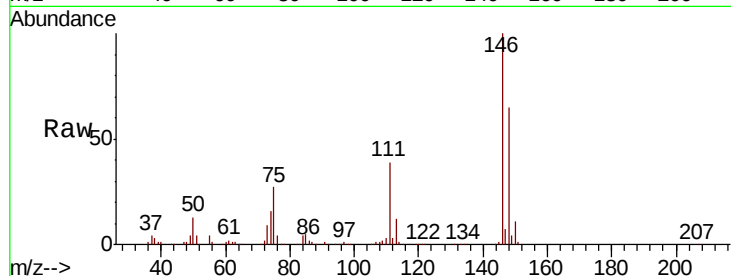




#91
 1,2-Dichlorobenzene
 Concen: 51.095 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

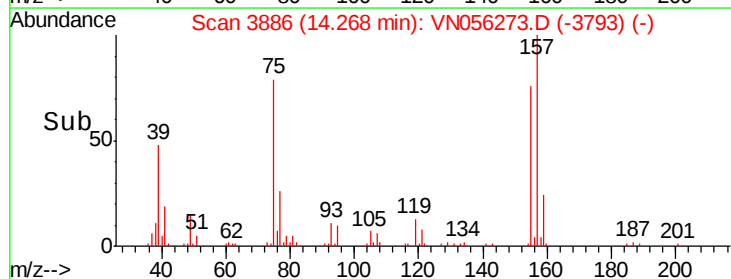
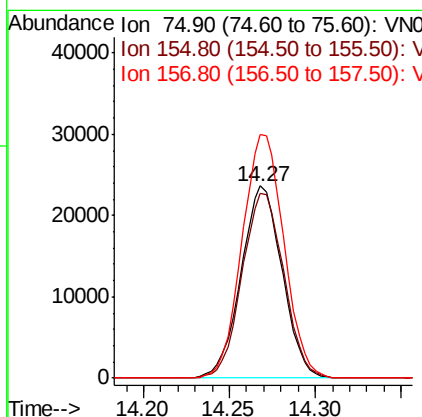
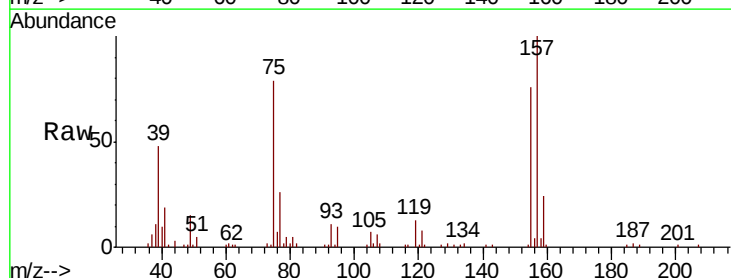
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 342825
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.1 57.5
 148 64.5 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.945 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

Tgt Ion: 75 Resp: 39253
 Ion Ratio Lower Upper
 75 100
 155 97.7 50.0 150.1
 157 129.2 64.8 194.3

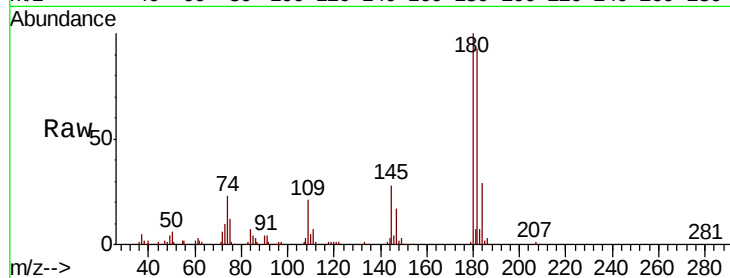




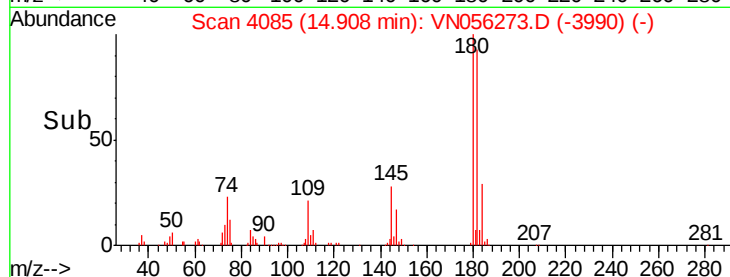
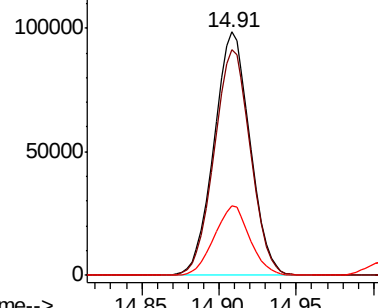
#93
 1,2,4-Trichlorobenzene
 Concen: 43.647 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.3	144.9
145	28.3	14.0	41.9

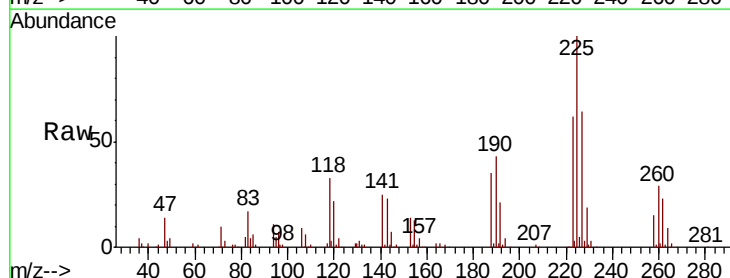


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

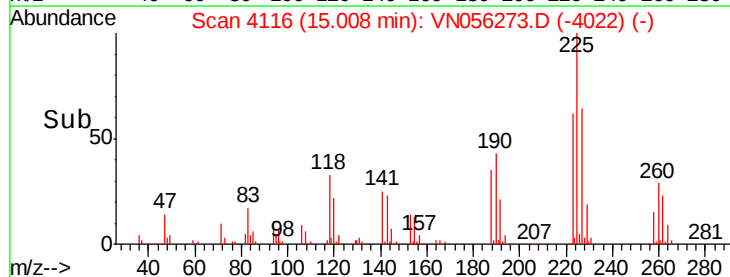
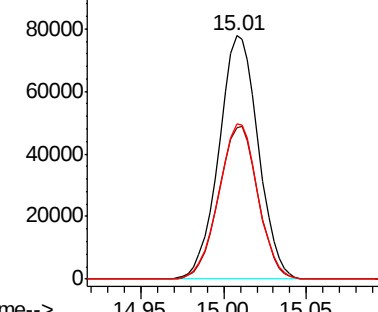


#94
 Hexachlorobutadiene
 Concen: 55.863 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056273.D
 Acq: 13 Jun 2019 11:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.7
227	63.6	31.6	94.7



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: 43.364 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

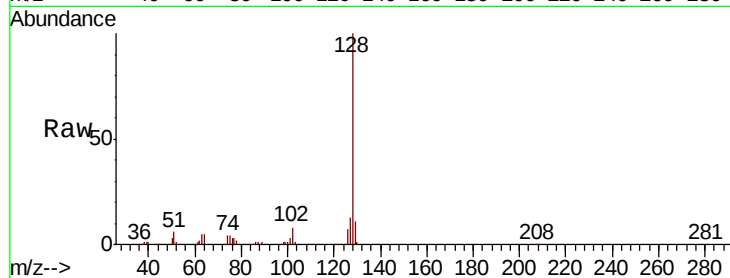
Tot Ion:128 Resp: 410666

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

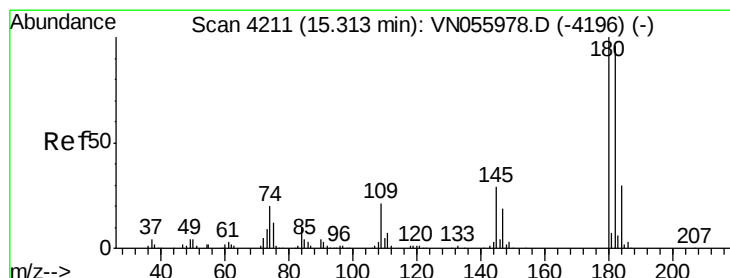
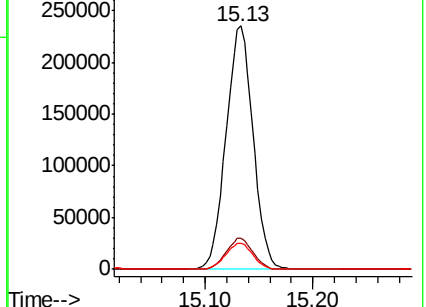
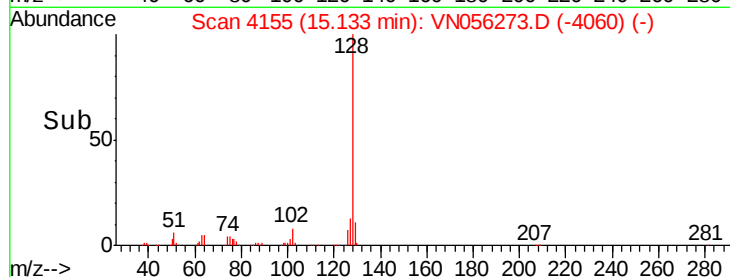
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.930 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056273.D

Acq: 13 Jun 2019 11:27

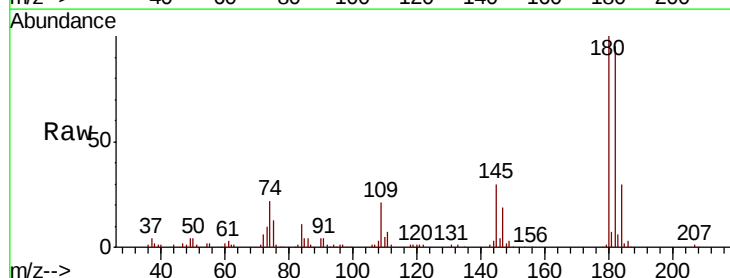
Tgt Ion:180 Resp: 172080

Ion Ratio Lower Upper

180 100

182 96.8 47.9 143.7

145 30.1 14.9 44.7



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

