

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058074.D
 Acq On : 14 Sep 2019 13:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 01:59:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	325278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	540279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	520121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324534	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	344791	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	7.58	113	249881	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	10.09	98	996025	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	375602	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	231858	51.542	ug/l	98
3) Chloromethane	2.04	50	195241	42.584	ug/l	99
4) Vinyl Chloride	2.17	62	206090	42.471	ug/l	98
5) Bromomethane	2.54	94	126974	47.542	ug/l	95
6) Chloroethane	2.68	64	134445	43.480	ug/l	98
7) Trichlorofluoromethane	3.00	101	275899	45.180	ug/l	99
8) Diethyl Ether	3.39	74	129138	50.703	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	201326	52.262	ug/l	99
10) Methyl Iodide	3.93	142	207457	48.394	ug/l	99
11) Tert butyl alcohol	4.76	59	195502	245.178	ug/l	100
12) 1,1-Dichloroethene	3.72	96	169514	48.941	ug/l	95
13) Acrolein	3.58	56	138461	204.672	ug/l	100
14) Allyl chloride	4.30	41	287785	42.457	ug/l	90
15) Acrylonitrile	4.96	53	592597	270.383	ug/l	99
16) Acetone	3.79	43	502774	232.793	ug/l	100
17) Carbon Disulfide	4.03	76	231871	43.035	ug/l	100
18) Methyl Acetate	4.30	43	334408	58.072	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	797138	55.302	ug/l	98
20) Methylene Chloride	4.53	84	232132	56.621	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	186353	49.771	ug/l	98
22) Diisopropyl ether	5.93	45	884642	55.652	ug/l	98
23) Vinyl Acetate	5.87	43	3112033	276.246	ug/l	99
24) 1,1-Dichloroethane	5.83	63	467606	53.825	ug/l	99
25) 2-Butanone	6.81	43	803019	256.891	ug/l	100
26) 2,2-Dichloropropane	6.81	77	200013	29.092	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	265700	52.953	ug/l	96
28) Bromochloromethane	7.18	49	227535	52.425	ug/l	96
29) Tetrahydrofuran	7.19	42	512410	266.021	ug/l	99
30) Chloroform	7.36	83	493122	54.287	ug/l	98
31) Cyclohexane	7.64	56	311371	52.716	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	377277	52.369	ug/l	99
36) 1,1-Dichloropropene	7.78	75	301224	48.074	ug/l	99
37) Ethyl Acetate	6.91	43	329828	50.949	ug/l	99
38) Carbon Tetrachloride	7.76	117	302103	52.809	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	312191	47.397	ug/l	96
40) Benzene	8.03	78	978022	51.845	ug/l	99
41) Methacrylonitrile	7.19	41	499886	170.108	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	402660	53.372	ug/l	99
43) Isopropyl Acetate	8.15	43	623427	57.265	ug/l	97
44) Trichloroethene	8.83	130	236550	51.126	ug/l	98
45) 1,2-Dichloropropane	9.11	63	298764	54.428	ug/l	100
46) Dibromomethane	9.20	93	179345	54.068	ug/l	100
47) Bromodichloromethane	9.40	83	372048	56.169	ug/l	96
48) Methyl methacrylate	9.19	41	289851	52.486	ug/l	99
49) 1,4-Dioxane	9.19	88	85516	915.690	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1813908	281.556	ug/l	99
52) Toluene	10.15	92	621098	52.275	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	357934	51.315	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	390259	50.676	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	273866	54.416	ug/l	99
56) Ethyl methacrylate	10.43	69	411131	54.247	ug/l	99
57) 1,3-Dichloropropane	10.71	76	474311	54.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	862717	241.685	ug/l	100
59) 2-Hexanone	10.75	43	1294949	268.169	ug/l	100
60) Dibromochloromethane	10.90	129	265985	56.914	ug/l	99
61) 1,2-Dibromoethane	11.00	107	259878	54.619	ug/l	100
64) Tetrachloroethene	10.63	164	210524	54.819	ug/l	97
65) Chlorobenzene	11.43	112	715140	52.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	260381	55.127	ug/l	98
67) Ethyl Benzene	11.51	91	1289199	54.042	ug/l	99
68) m/p-Xylenes	11.62	106	944759	108.118	ug/l	100
69) o-Xylene	11.95	106	471714	54.300	ug/l	98
70) Styrene	11.97	104	836995	55.985	ug/l	100
71) Bromoform	12.13	173	166683	56.603	ug/l #	98
73) Isopropylbenzene	12.25	105	1333721	52.961	ug/l	99
74) N-amyl acetate	12.07	43	558904	50.997	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	428914	50.585	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	496419	67.618	ug/l #	100
77) Bromobenzene	12.53	156	312786	49.818	ug/l	97
78) n-propylbenzene	12.60	91	1545145	53.433	ug/l	100
79) 2-Chlorotoluene	12.68	91	934540	51.132	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1142379	53.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	84504	40.505	ug/l	92
82) 4-Chlorotoluene	12.78	91	974208	51.905	ug/l	100
83) tert-Butylbenzene	13.00	119	987810	52.226	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1160611	53.668	ug/l	98
85) sec-Butylbenzene	13.18	105	1346792	53.723	ug/l	100
86) p-Isopropyltoluene	13.29	119	1204642	54.537	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	595115	51.639	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	593980	50.776	ug/l	99
89) n-Butylbenzene	13.62	91	1119925	53.689	ug/l	99
90) Hexachloroethane	13.88	117	176029	53.585	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	600688	52.173	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	73279	52.332	ug/l	98

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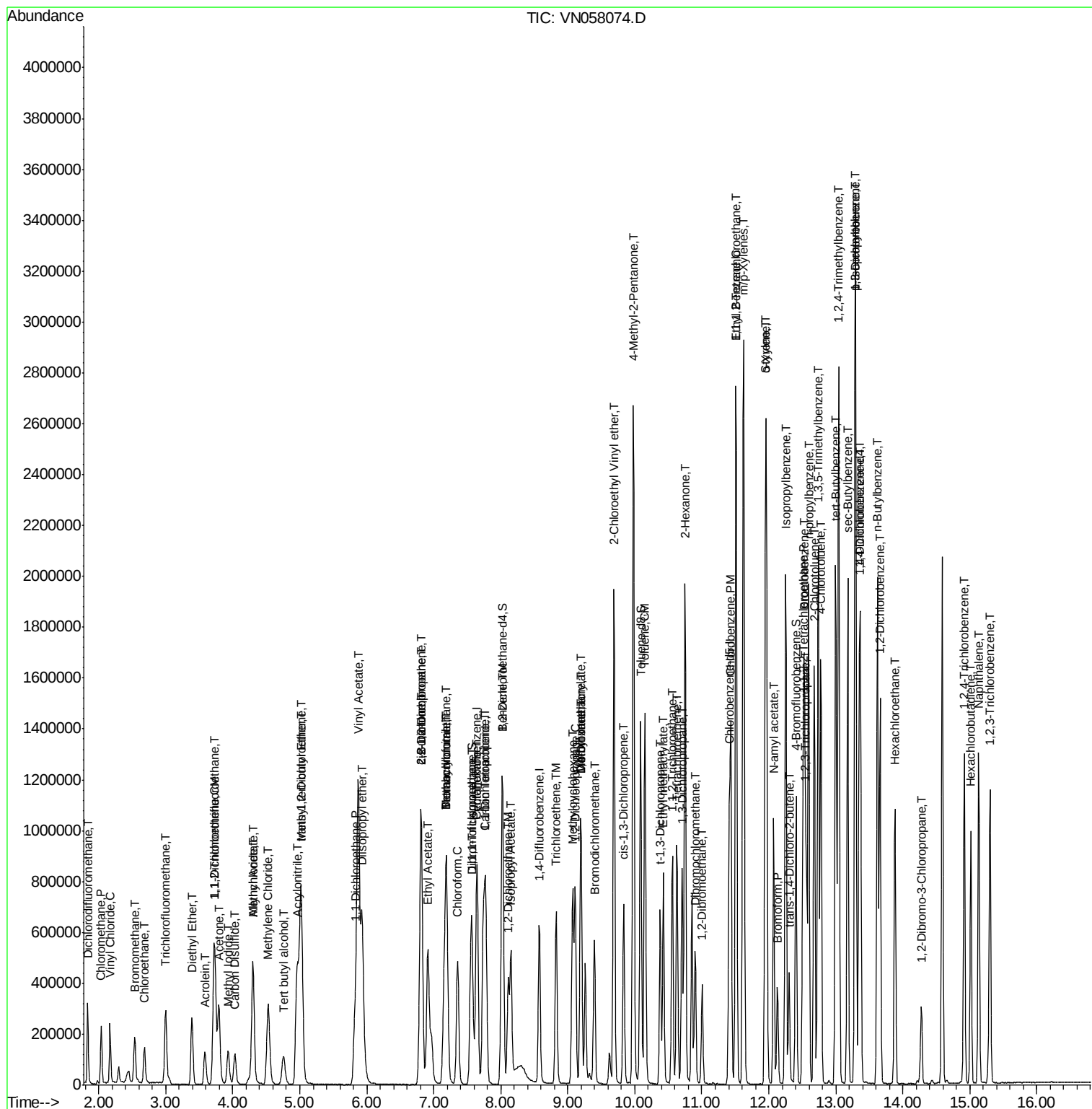
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	376610	50.045	ug/l	99
94) Hexachlorobutadiene	15.01	225	176316	55.271	ug/l	97
95) Naphthalene	15.13	128	1006013	53.049	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	343381	52.222	ug/l	99

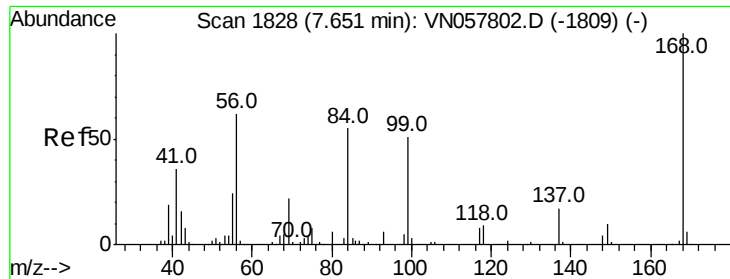
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

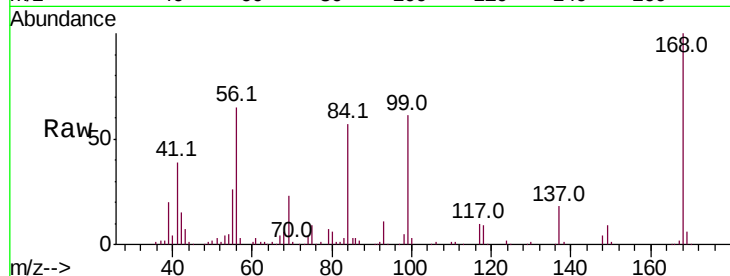
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 325278

Ion Ratio Lower Upper

168 100

99 60.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

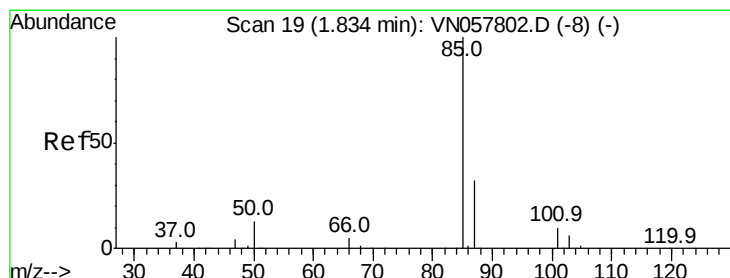
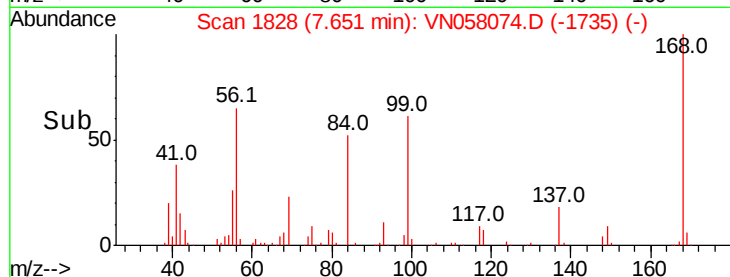
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 51.542 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058074.D

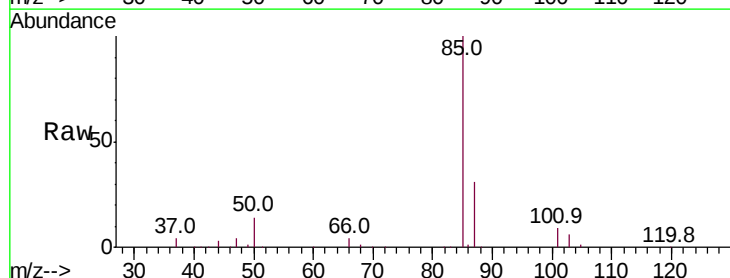
Acq: 14 Sep 2019 13:39

Tgt Ion: 85 Resp: 231858

Ion Ratio Lower Upper

85 100

87 30.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

200000

150000

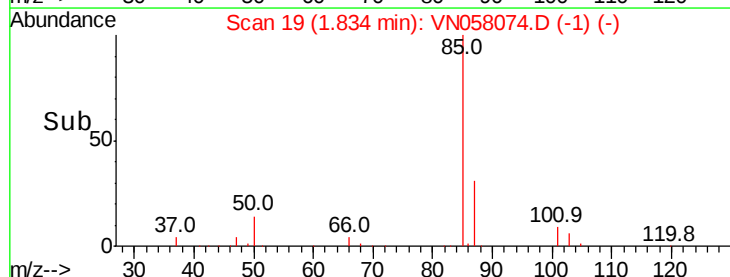
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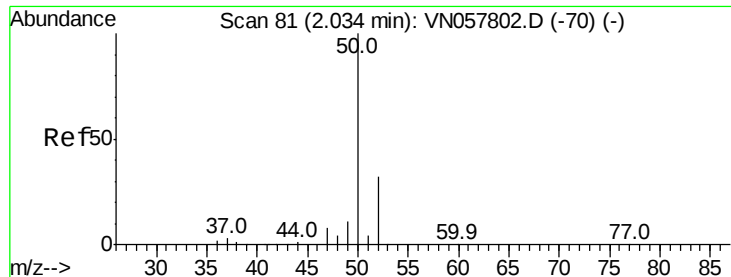
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0

1.75 1.80 1.85 1.90 1.95

Time-->

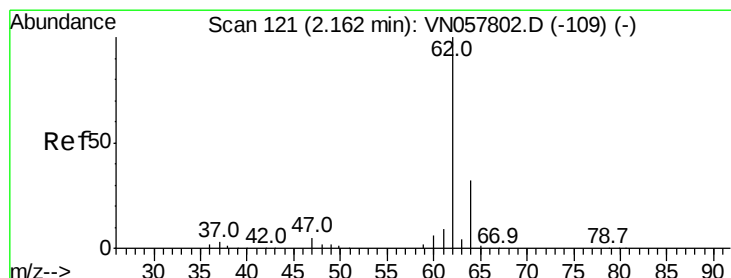
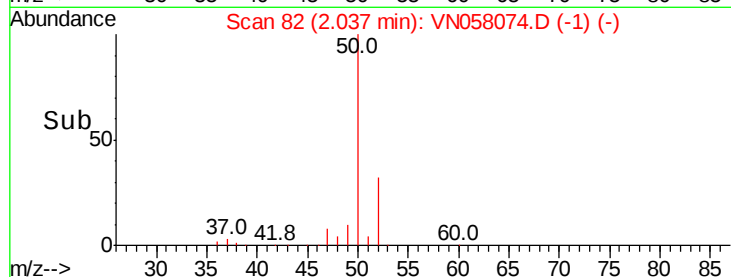
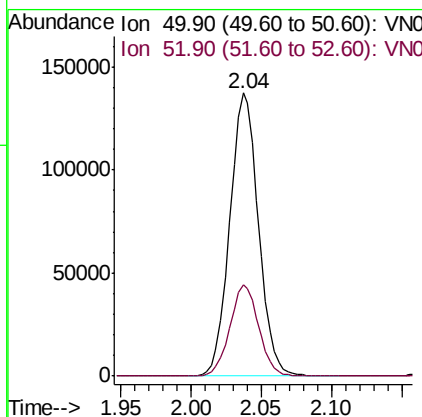
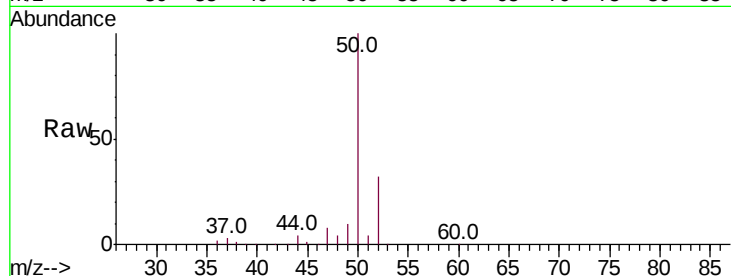




#3
Chloromethane
Concen: 42.584 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

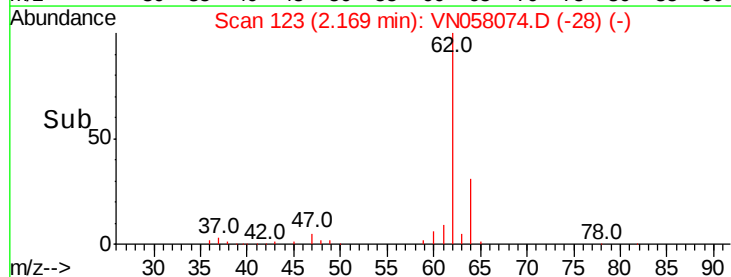
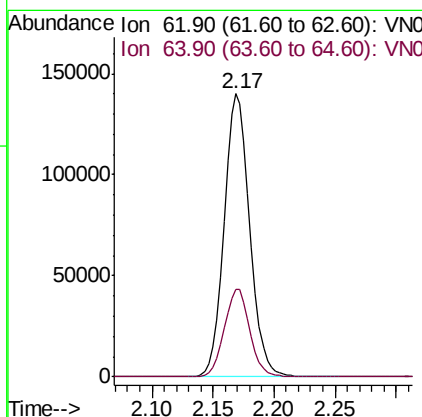
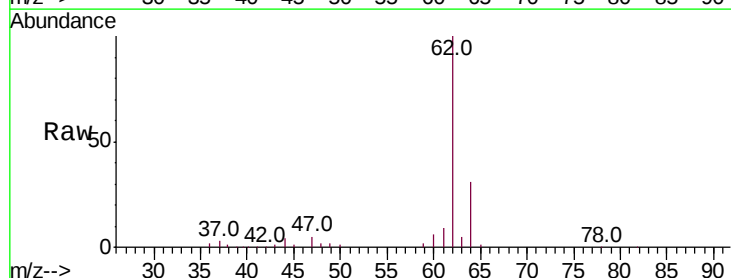
Instrument :
MSVOA_N
ClientSampled :

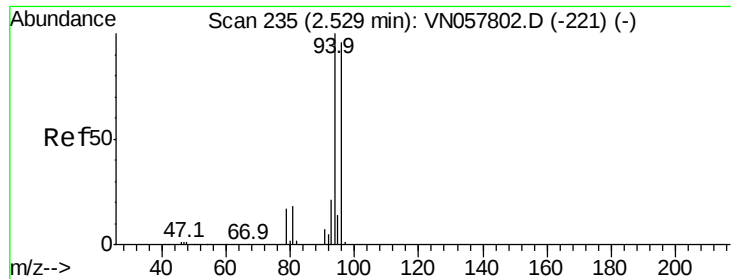
Tot Ion: 50 Resp: 195241
Ion Ratio Lower Upper
50 100
52 32.3 25.5 38.3



#4
Vinyl Chloride
Concen: 42.471 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.01 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 62 Resp: 206090
Ion Ratio Lower Upper
62 100
64 31.1 25.6 38.4

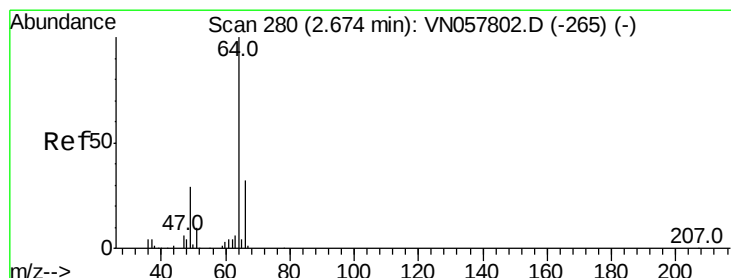
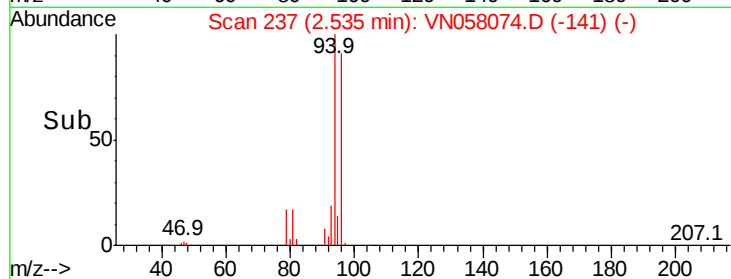
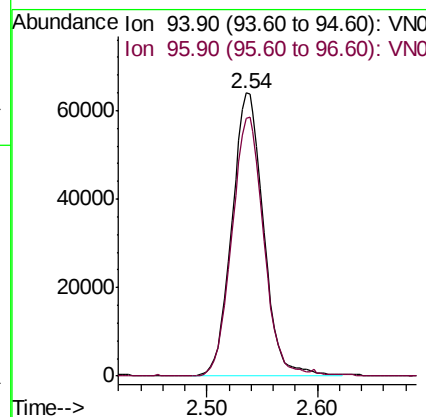
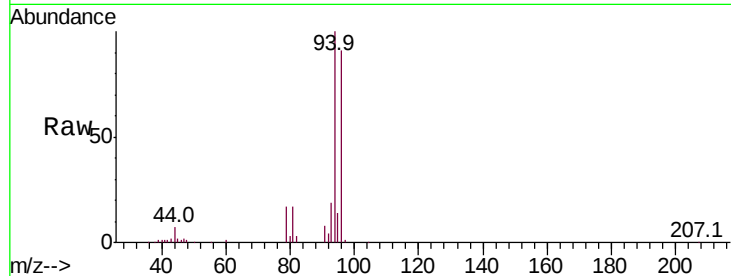




#5
Bromomethane
Concen: 47.542 ug/l
RT: 2.54 min Scan# 237
Delta R.T. 0.01 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

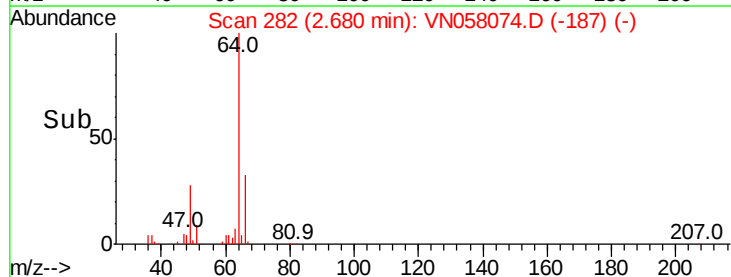
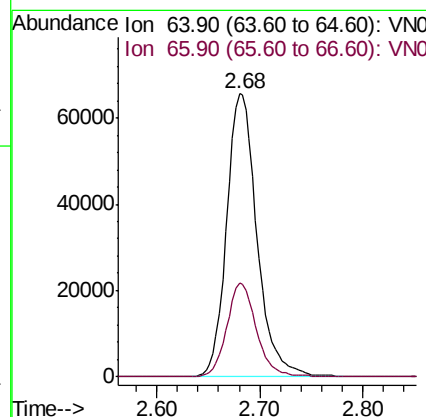
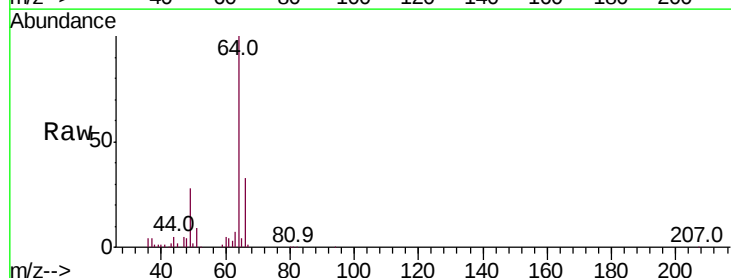
Instrument :
MSVOA_N
ClientSampleId :

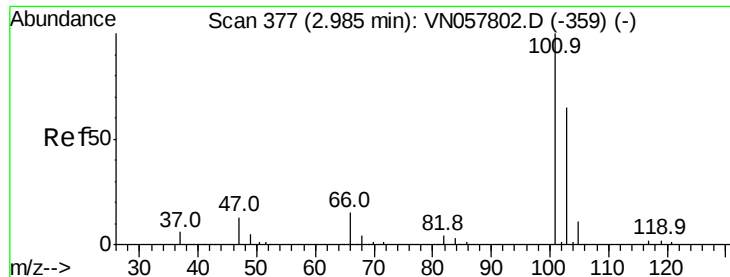
Tot Ion: 94 Resp: 126974
Ion Ratio Lower Upper
94 100
96 90.9 77.0 115.4



#6
Chloroethane
Concen: 43.480 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.01 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 64 Resp: 134445
Ion Ratio Lower Upper
64 100
66 33.3 25.5 38.3



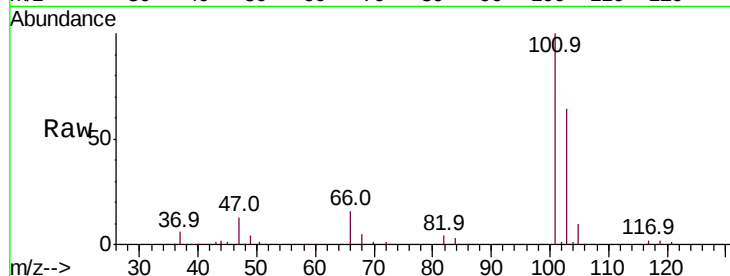


#7

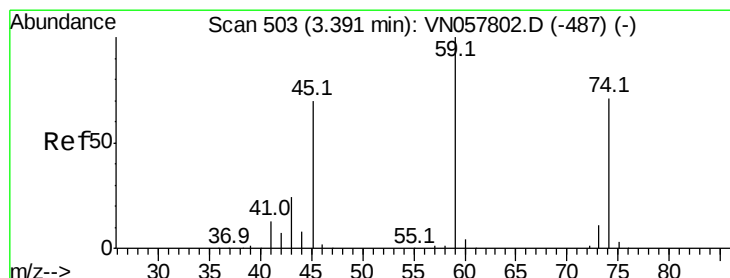
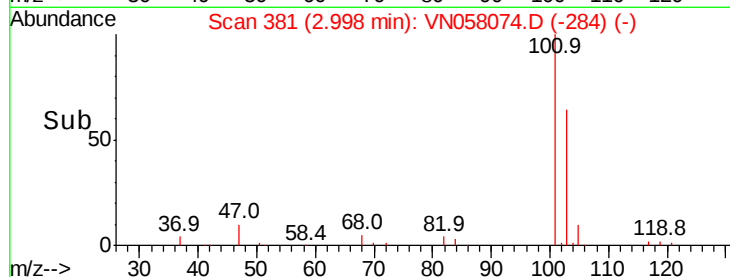
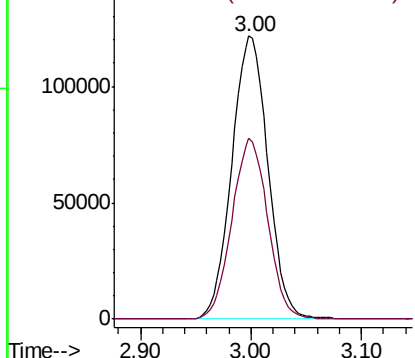
Trichlorofluoromethane
Concen: 45.180 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 275899
Ion Ratio Lower Upper
101 100
103 64.1 51.9 77.9



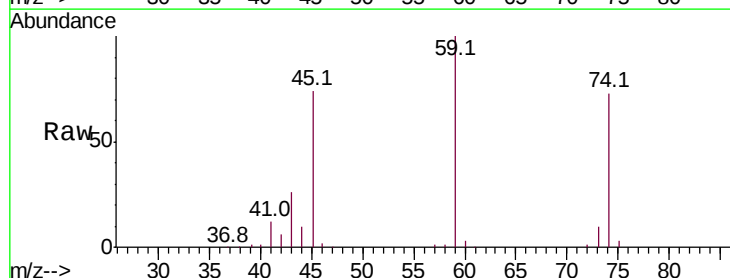
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



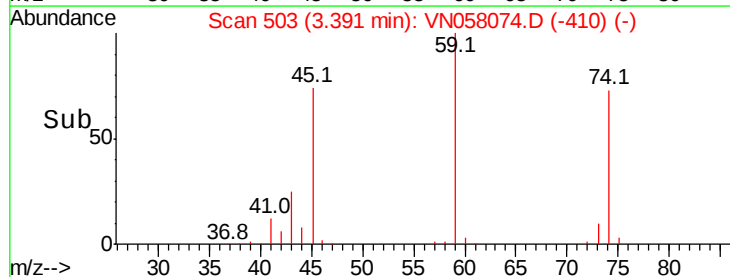
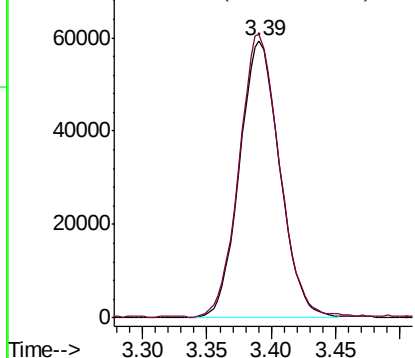
#8

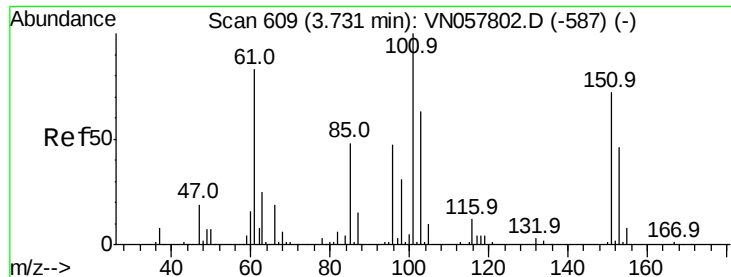
Diethyl Ether
Concen: 50.703 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 74 Resp: 129138
Ion Ratio Lower Upper
74 100
45 102.2 50.3 151.0



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.262 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

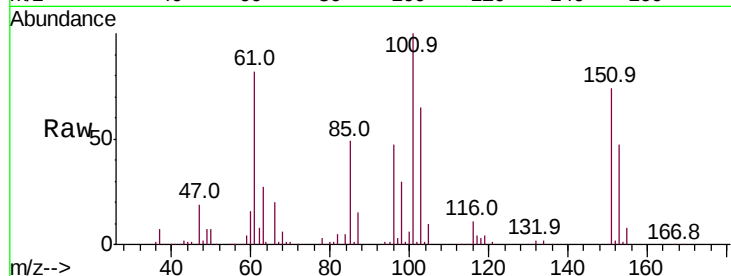
Tot Ion:101 Resp: 201326

Ion Ratio Lower Upper

101 100

85 47.1 38.1 57.1

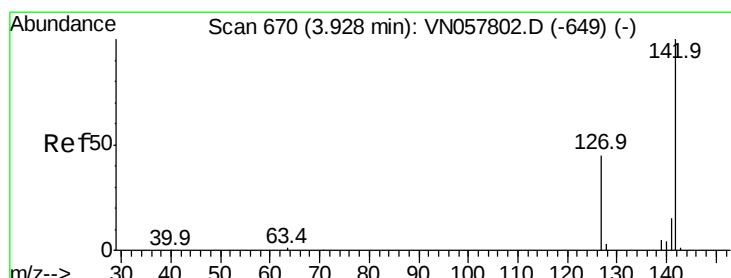
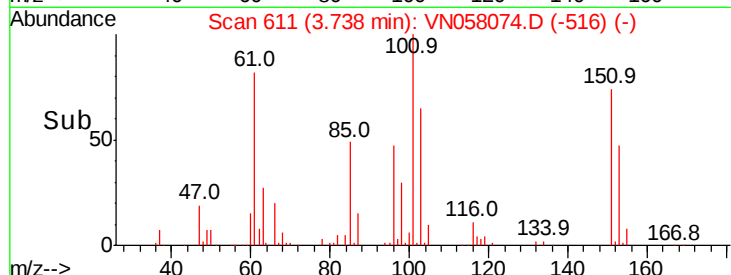
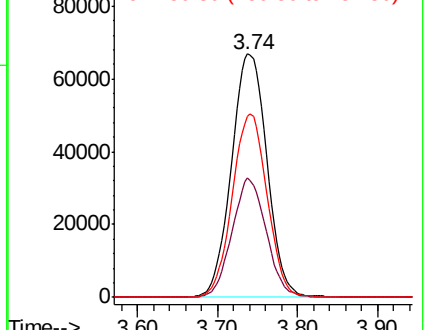
151 73.8 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.394 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

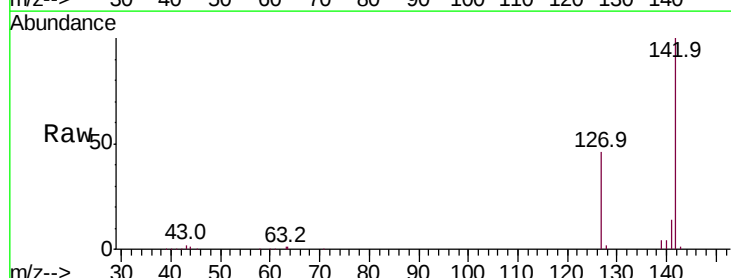
Tgt Ion:142 Resp: 207457

Ion Ratio Lower Upper

142 100

127 45.4 36.7 55.1

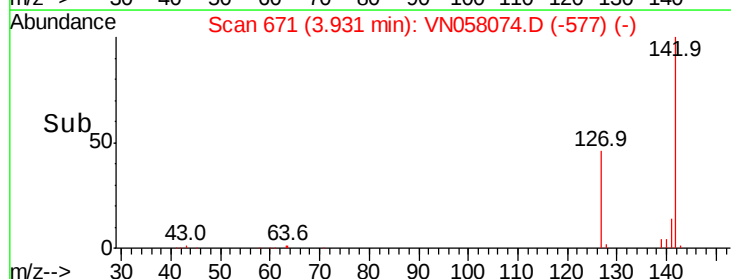
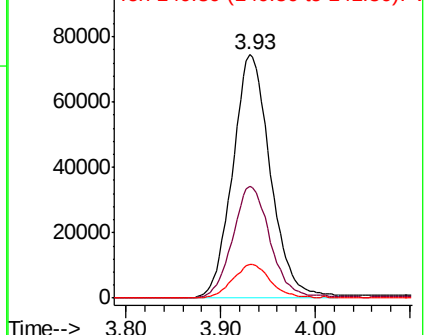
141 13.9 11.4 17.0

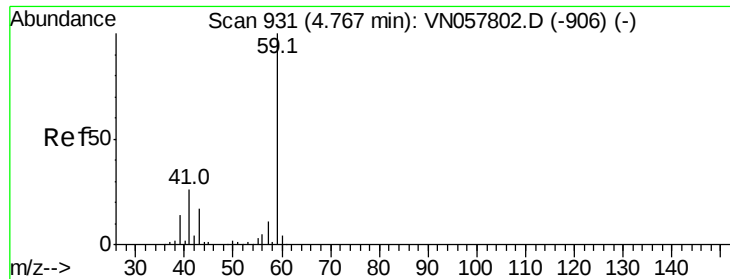


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



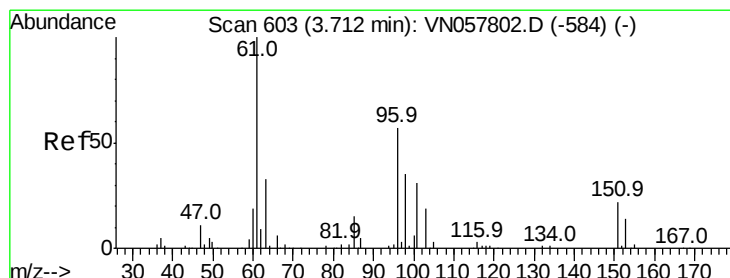
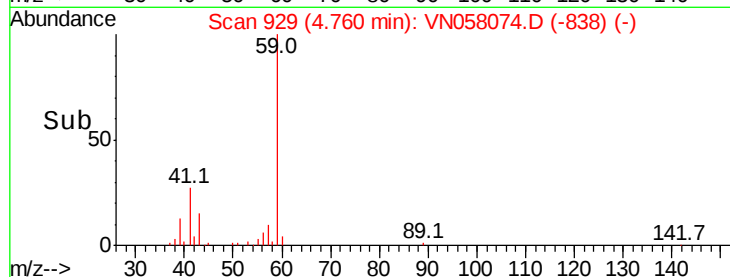
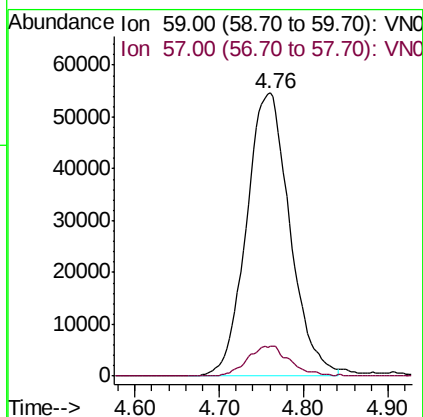
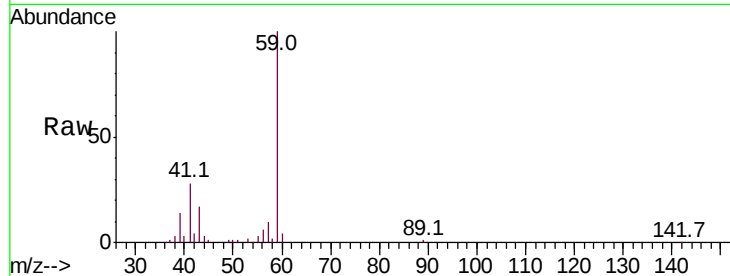


#11

Tert butyl alcohol
Concen: 245.178 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.01 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :

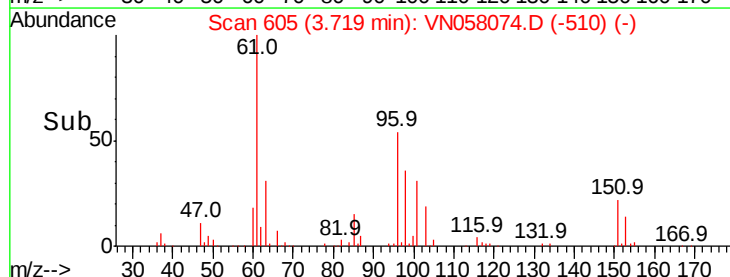
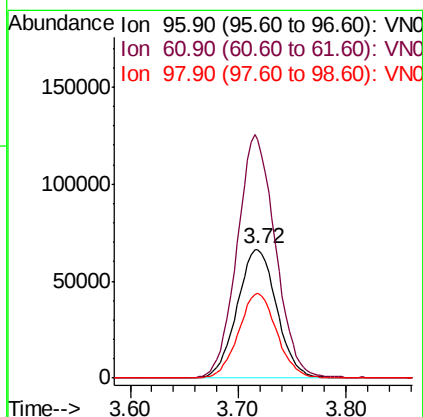
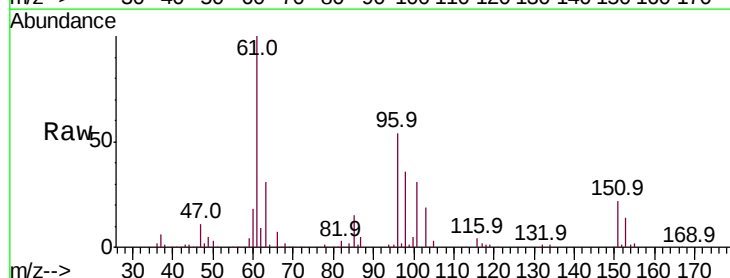
Tot Ion: 59 Resp: 195502
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6

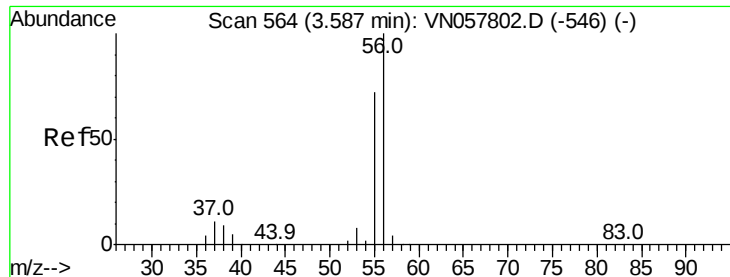


#12

1,1-Dichloroethene
Concen: 48.941 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 96 Resp: 169514
Ion Ratio Lower Upper
96 100
61 184.6 141.2 211.8
98 65.6 49.9 74.9





#13

Acrolein

Concen: 204.672 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

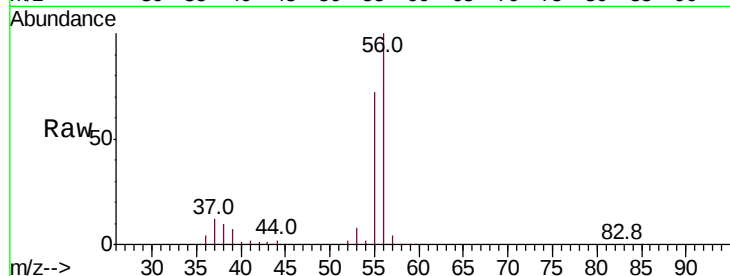
ClientSampleId :

Tot Ion: 56 Resp: 138461

Ion Ratio Lower Upper

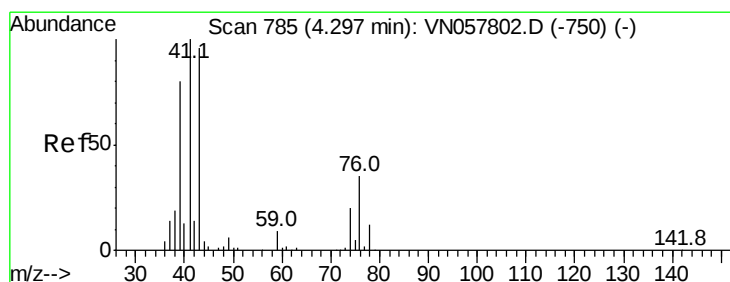
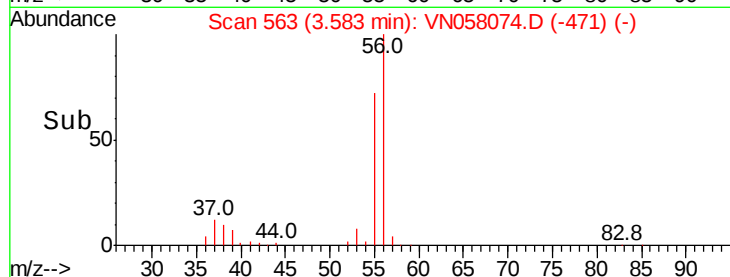
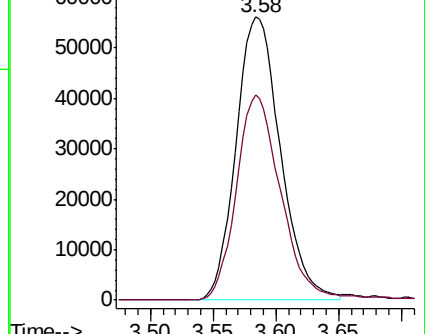
56 100

55 71.7 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 42.457 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

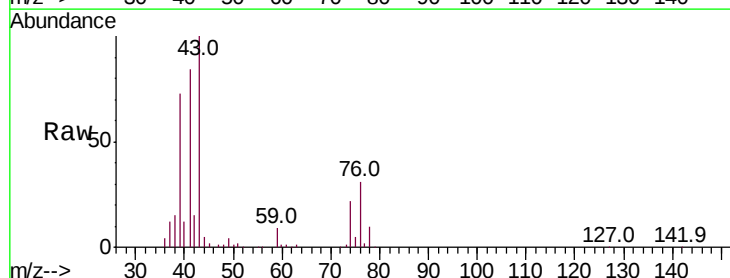
Tgt Ion: 41 Resp: 287785

Ion Ratio Lower Upper

41 100

39 84.4 59.4 89.2

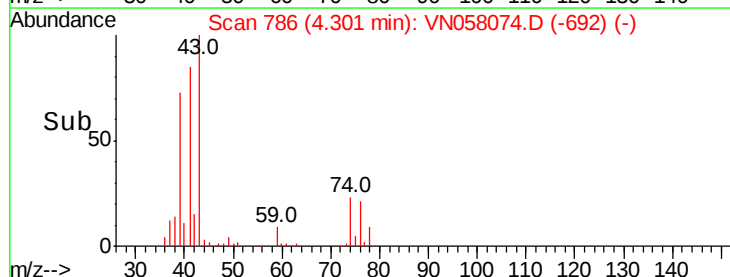
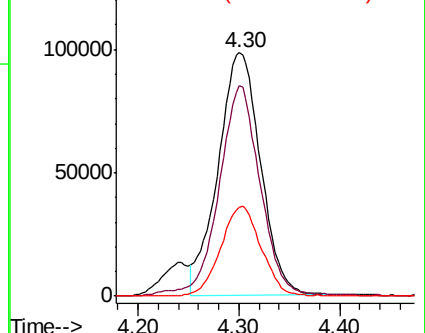
76 35.3 26.0 39.0

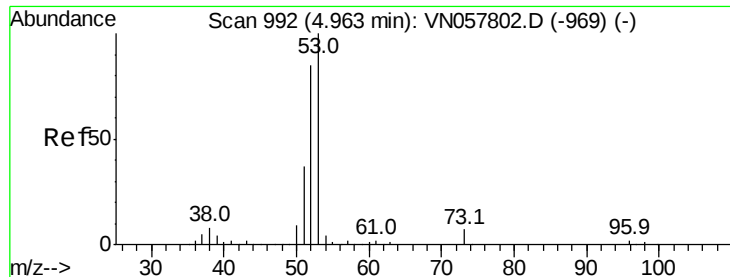


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 270.383 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

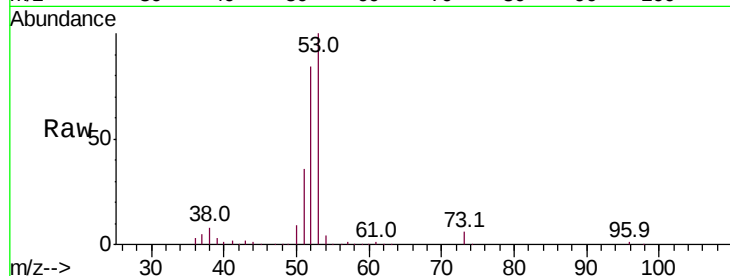
Tot Ion: 53 Resp: 592597

Ion Ratio Lower Upper

53 100

52 84.2 66.6 100.0

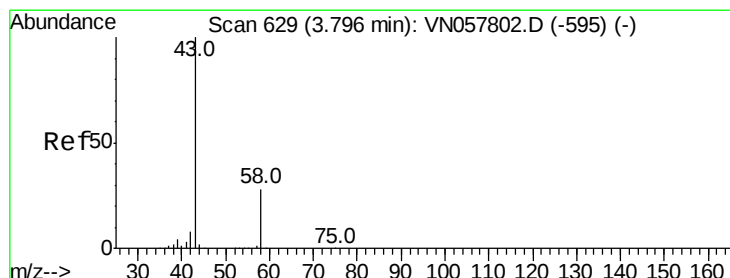
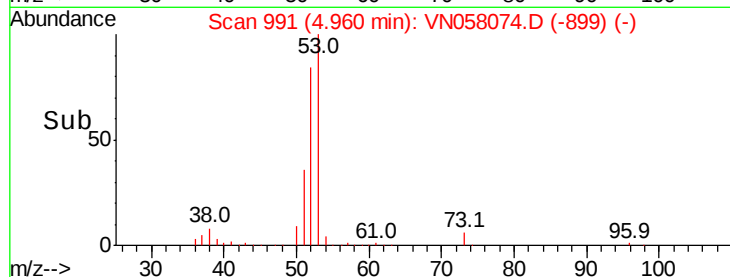
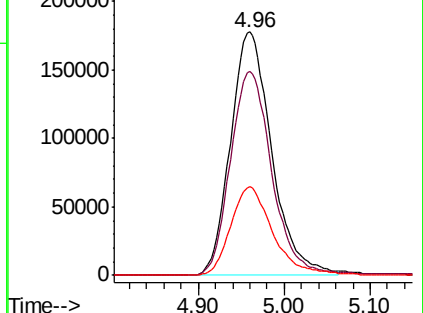
51 37.3 29.8 44.8



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: 232.793 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058074.D

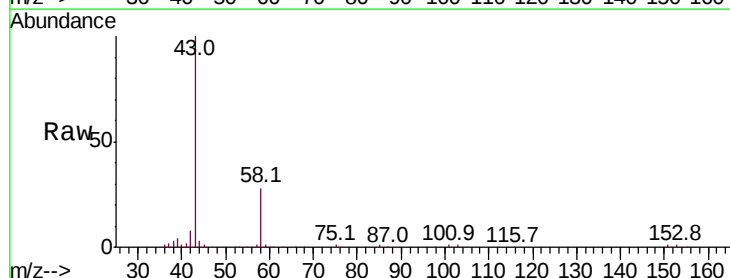
Acq: 14 Sep 2019 13:39

Tgt Ion: 43 Resp: 502774

Ion Ratio Lower Upper

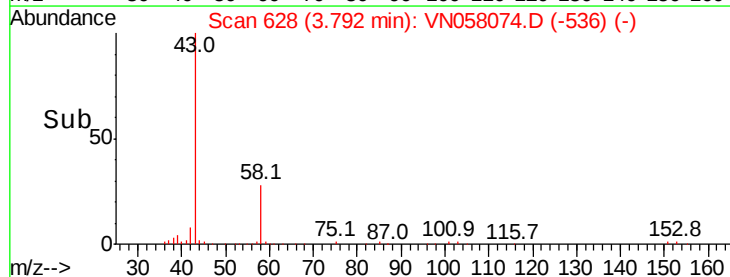
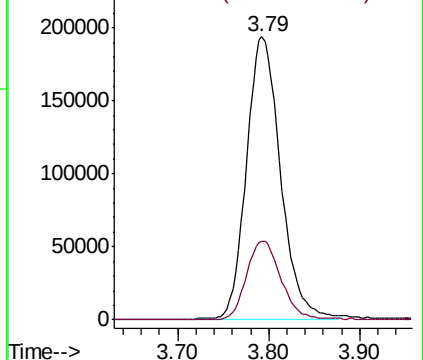
43 100

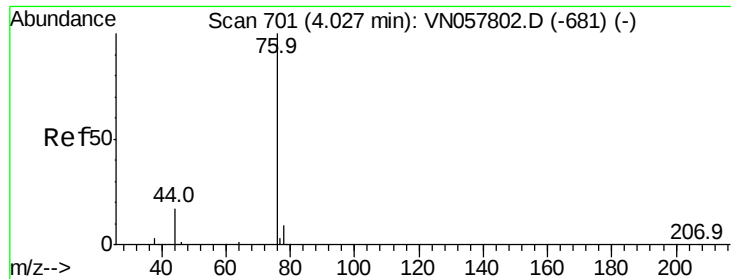
58 27.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

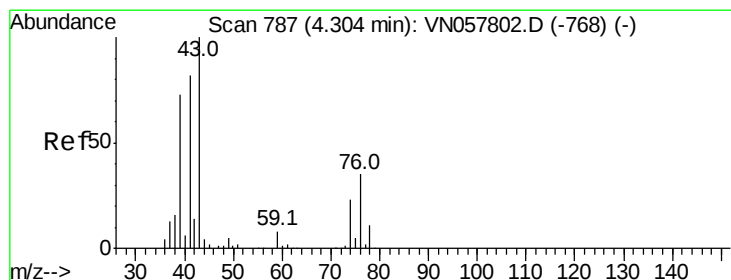
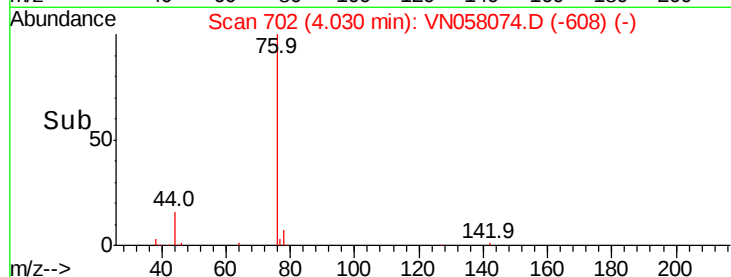
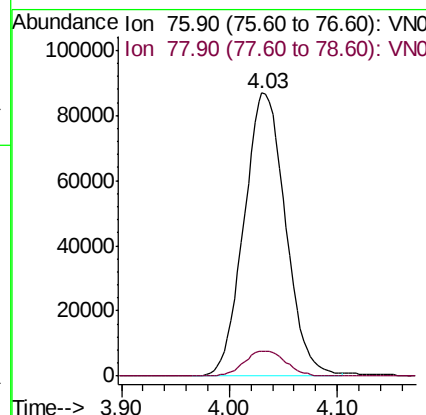
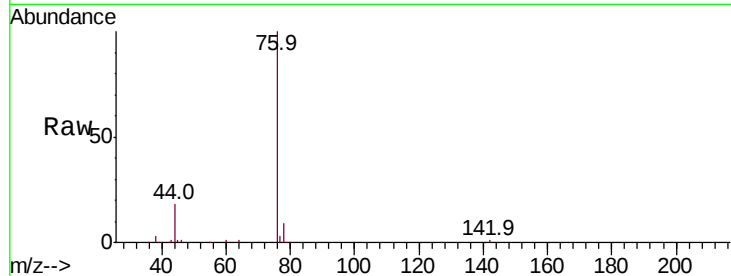




#17
Carbon Disulfide
Concen: 43.035 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

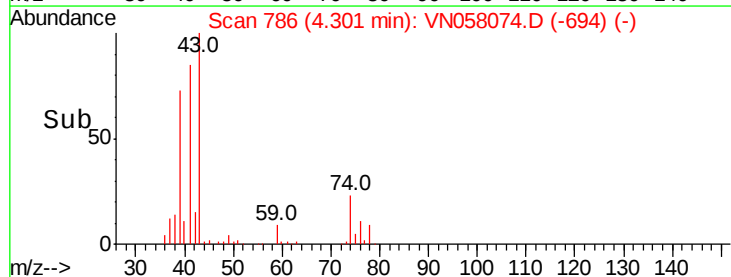
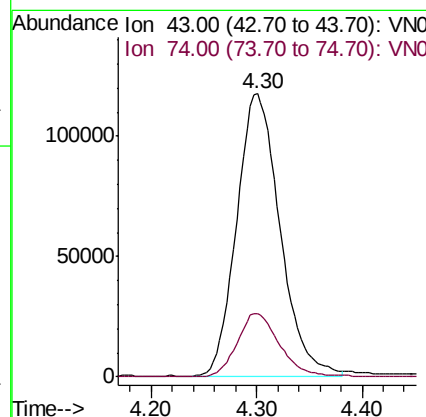
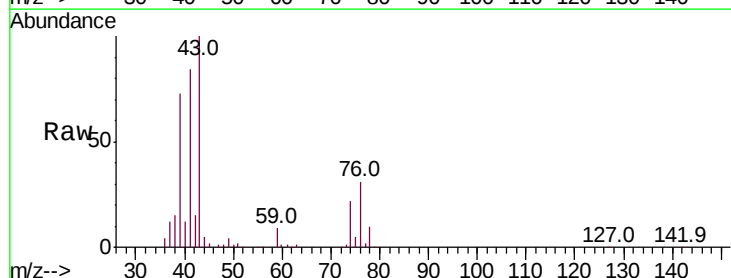
Instrument :
MSVOA_N
ClientSampleId :

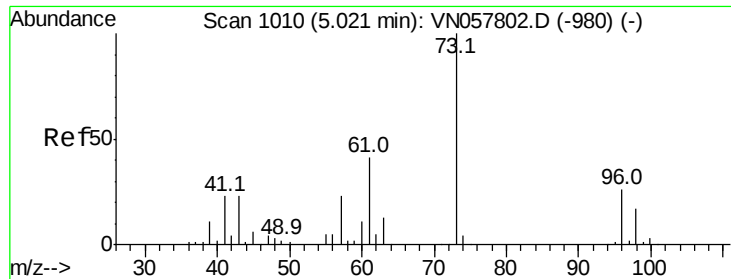
Tot Ion: 76 Resp: 231871
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 58.072 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 43 Resp: 334408
Ion Ratio Lower Upper
43 100
74 21.9 17.9 26.9

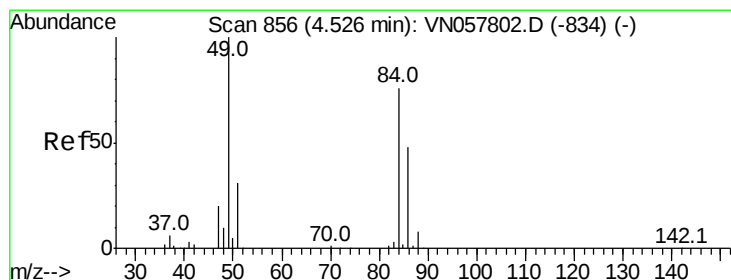
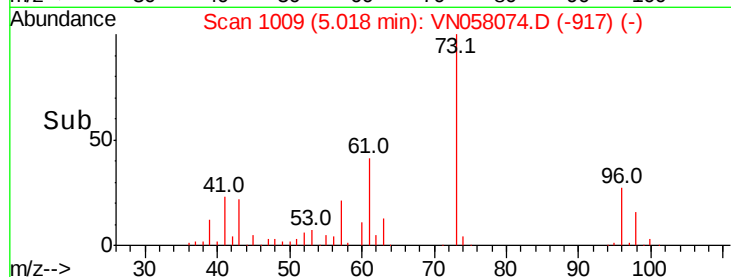
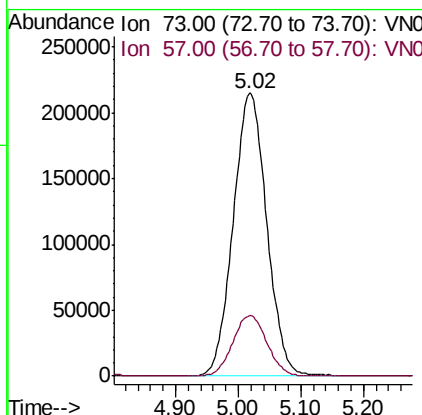
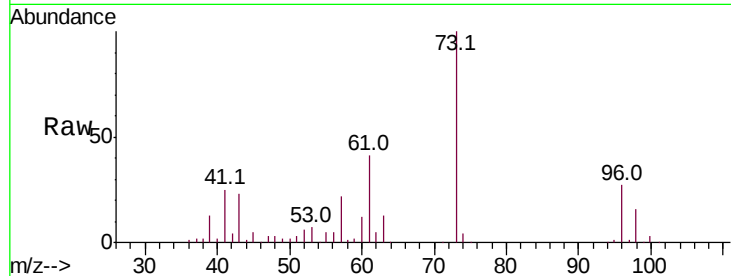




#19
Methvl tert-butvl Ether
Concen: 55.302 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

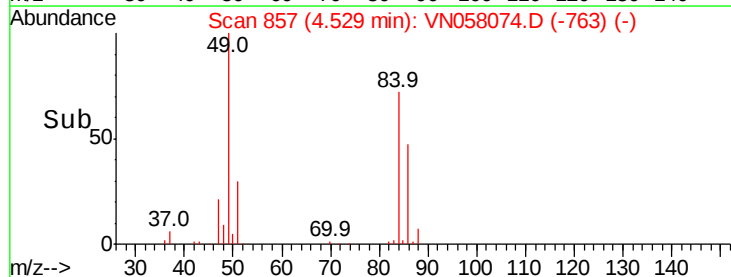
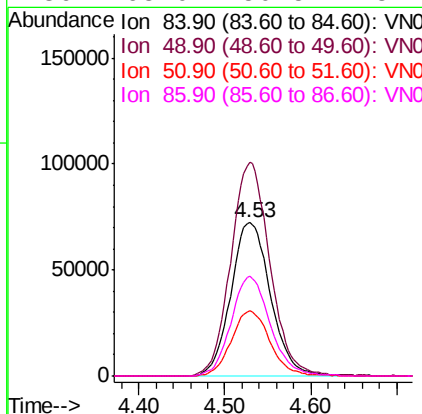
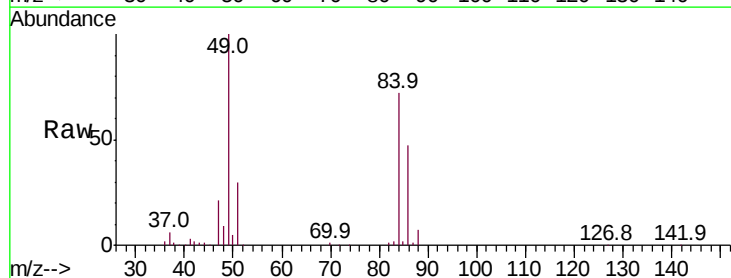
Instrument :
MSVOA_N
ClientSampleId :

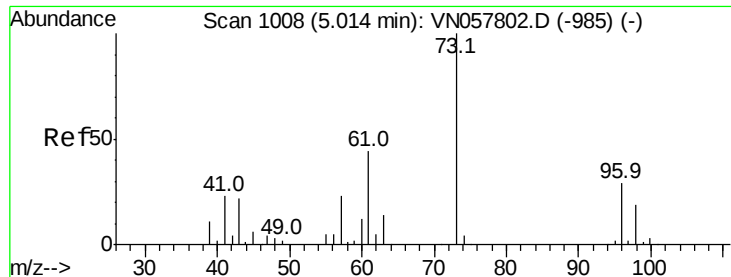
Tot Ion: 73 Resp: 797138
Ion Ratio Lower Upper
73 100
57 21.5 18.2 27.2



#20
Methylene Chloride
Concen: 56.621 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 84 Resp: 232132
Ion Ratio Lower Upper
84 100
49 139.2 104.8 157.2
51 42.2 33.0 49.4
86 65.0 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 49.771 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampled :

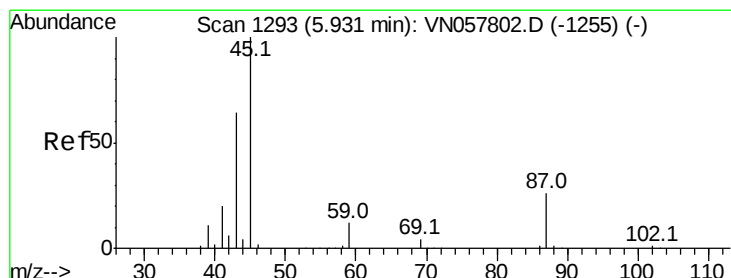
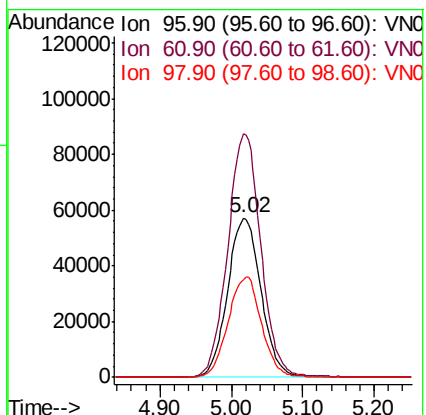
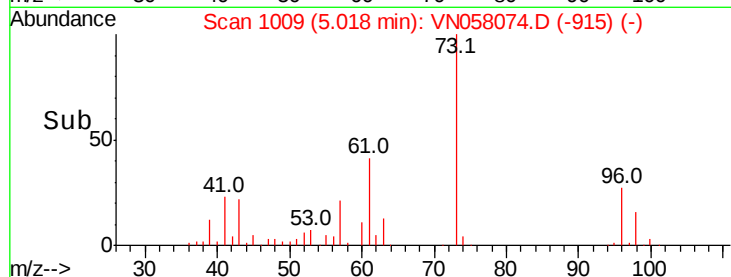
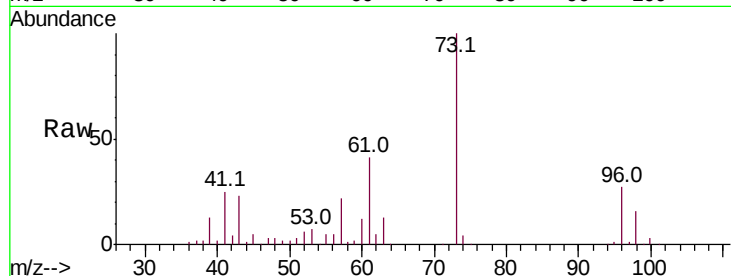
Tot Ion: 96 Resp: 186353

Ion Ratio Lower Upper

96 100

61 152.8 121.9 182.9

98 61.6 52.2 78.4



#22

Diisopropyl ether

Concen: 55.652 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tgt Ion: 45 Resp: 884642

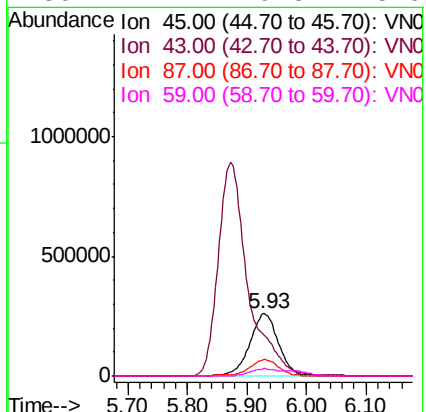
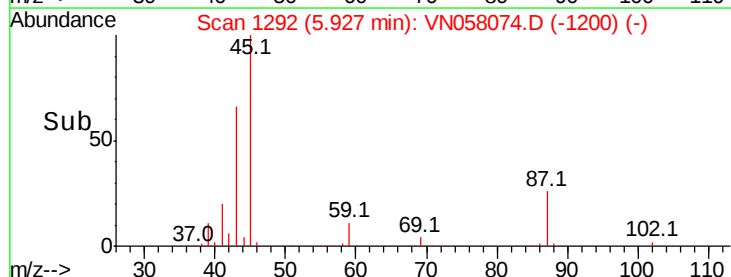
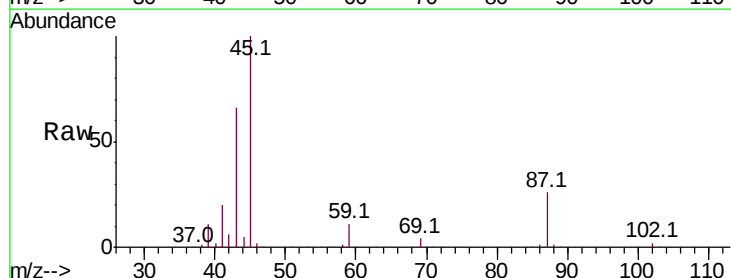
Ion Ratio Lower Upper

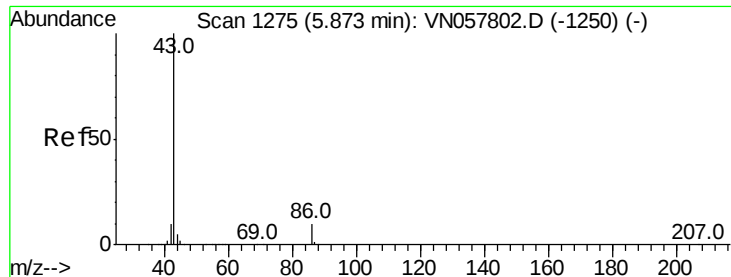
45 100

43 66.2 51.4 77.2

87 26.3 21.3 31.9

59 11.2 9.3 13.9

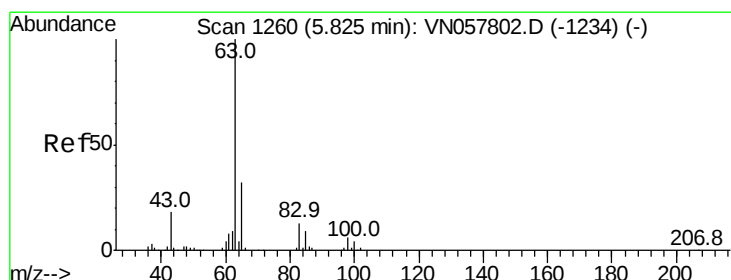
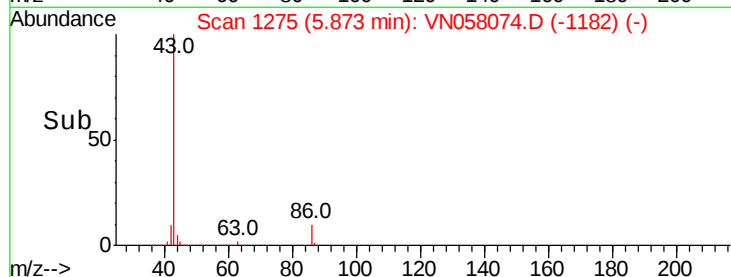
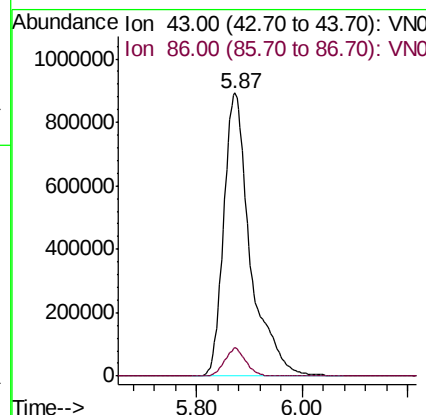
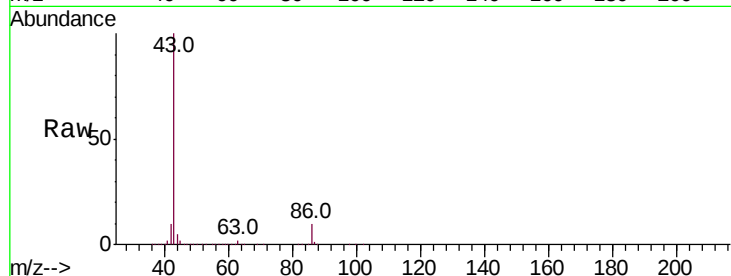




#23
 Vinyl Acetate
 Concen: 276.246 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

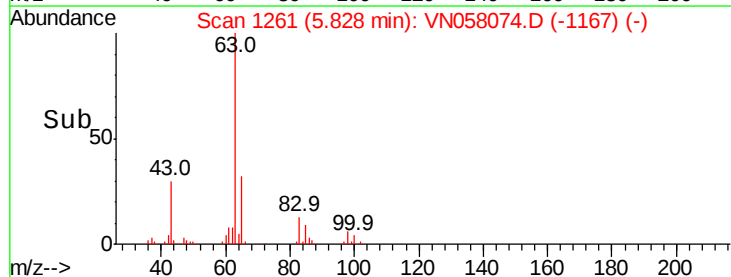
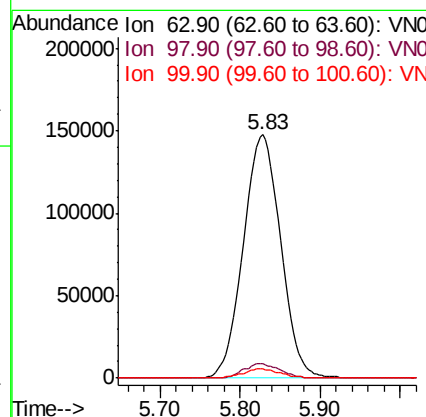
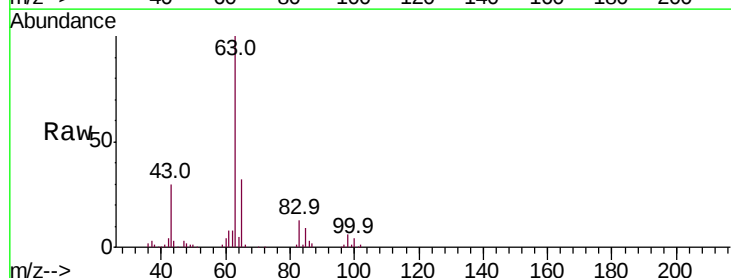
Instrument :
 MSVOA_N
 ClientSampled :

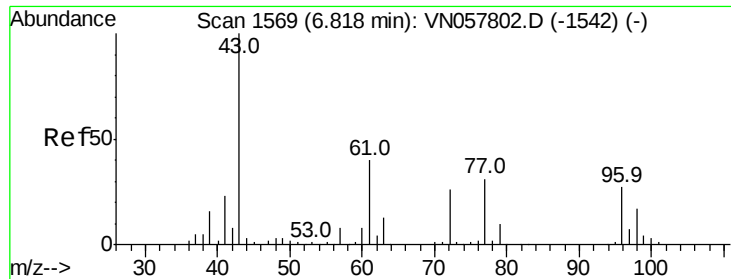
Tot Ion: 43 Resp: 3112033
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 53.825 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion: 63 Resp: 467606
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.2
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 256.891 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

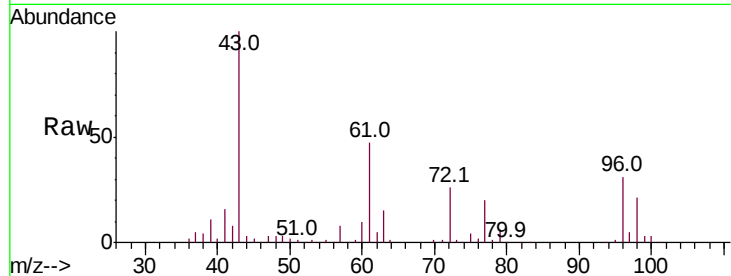
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 803019

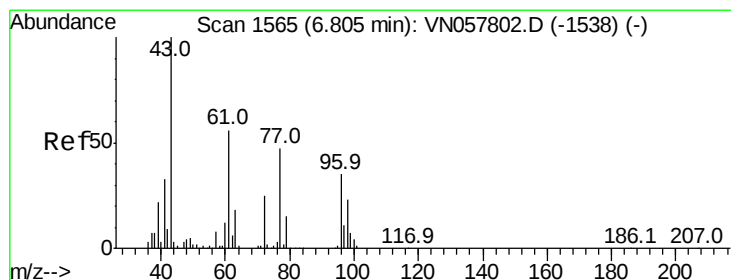
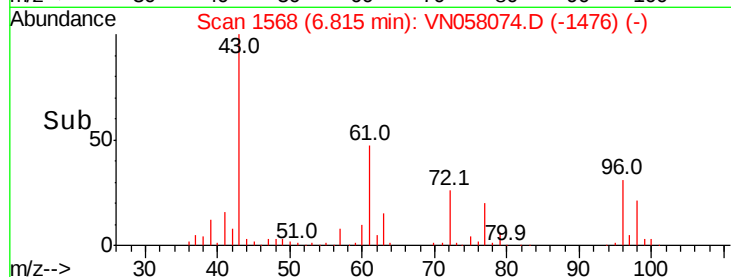
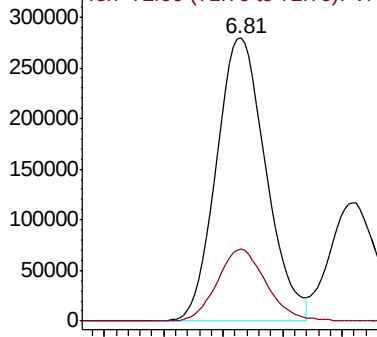
Ion Ratio Lower Upper

43 100

72 25.6 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO



#26

2,2-Dichloropropane

Concen: 29.092 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058074.D

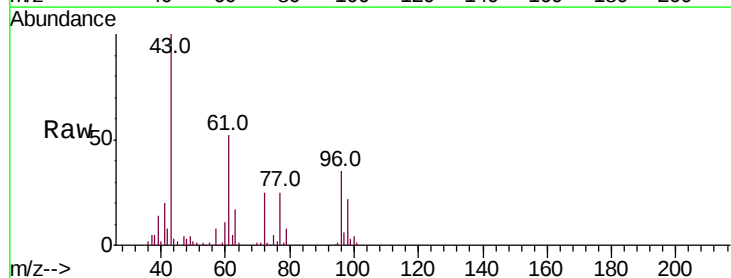
Acq: 14 Sep 2019 13:39

Tgt Ion: 77 Resp: 200013

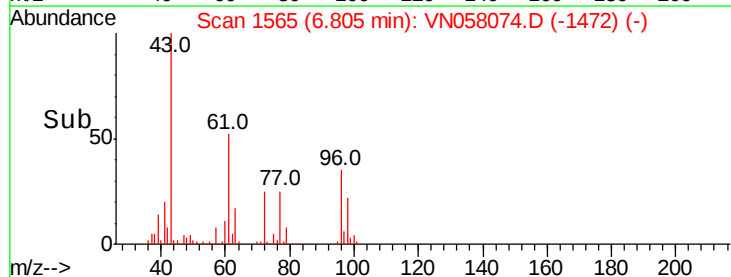
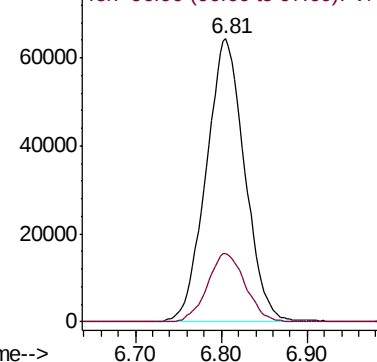
Ion Ratio Lower Upper

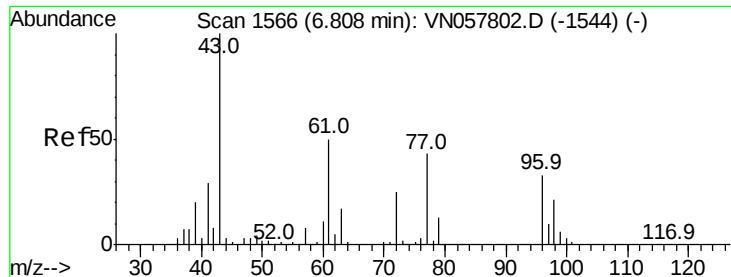
77 100

97 23.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VNO
Ion 96.90 (96.60 to 97.60): VNO





#27

cis-1,2-Dichloroethene

Concen: 52.953 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :

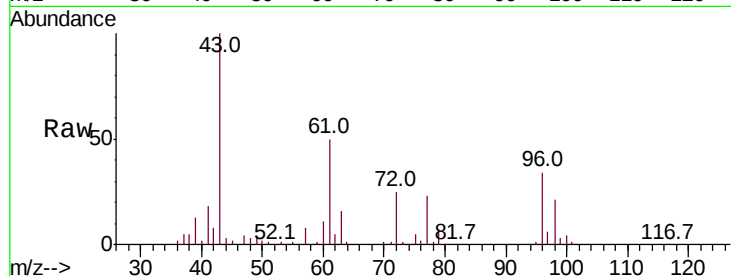
Tot Ion: 96 Resp: 265700

Ion Ratio Lower Upper

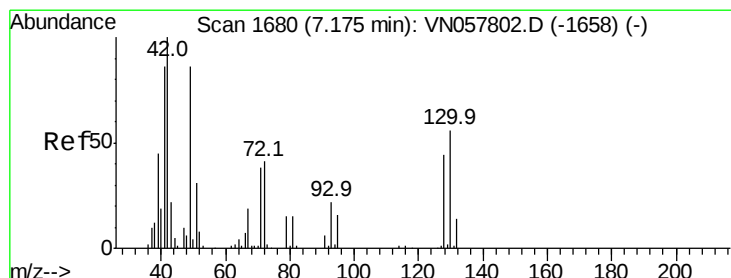
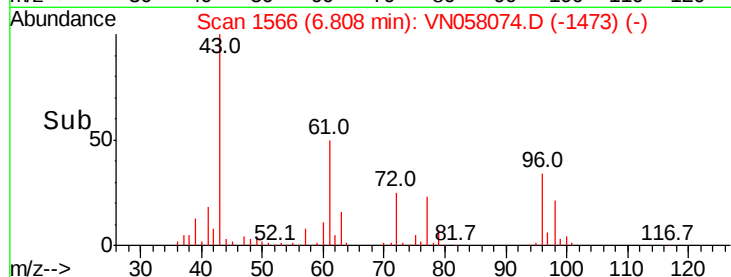
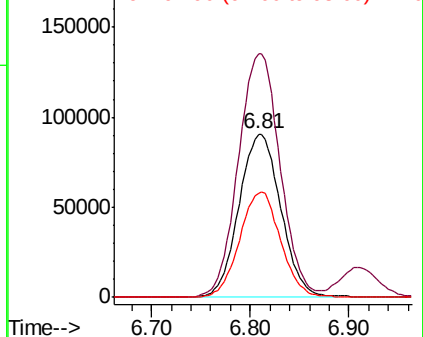
96 100

61 149.4 0.0 314.0

98 63.5 0.0 128.6



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



#28

Bromochloromethane

Concen: 52.425 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

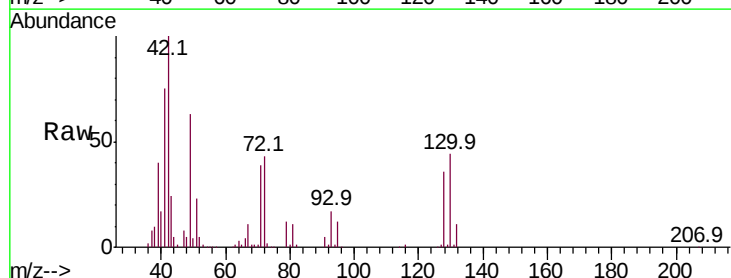
Tgt Ion: 49 Resp: 227535

Ion Ratio Lower Upper

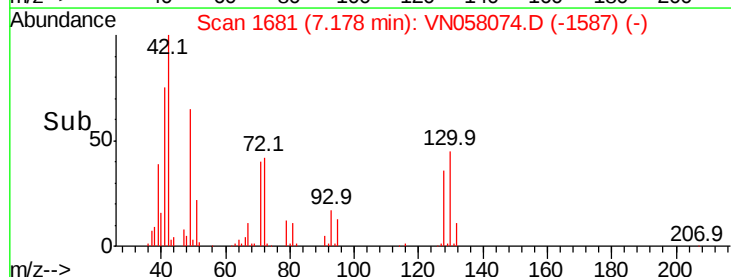
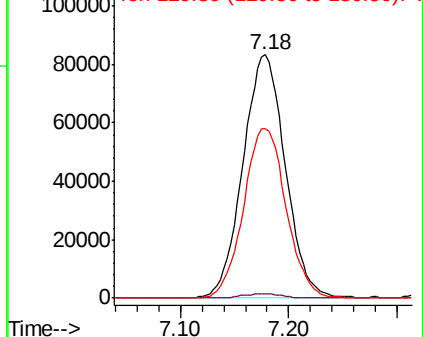
49 100

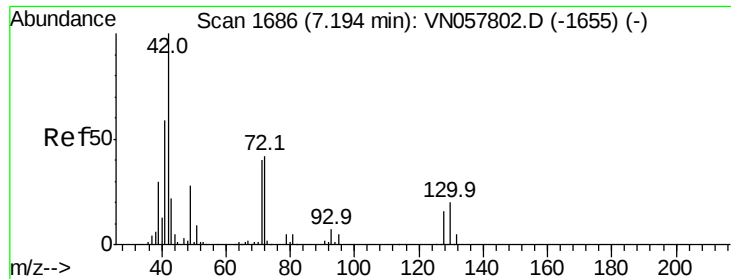
129 1.7 0.0 3.8

130 69.9 53.0 79.6



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

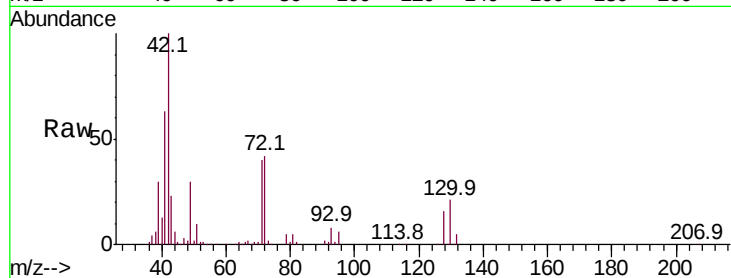




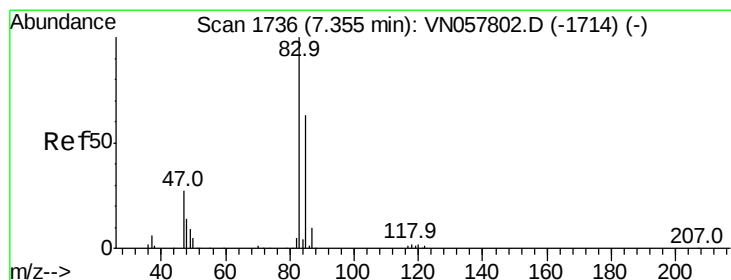
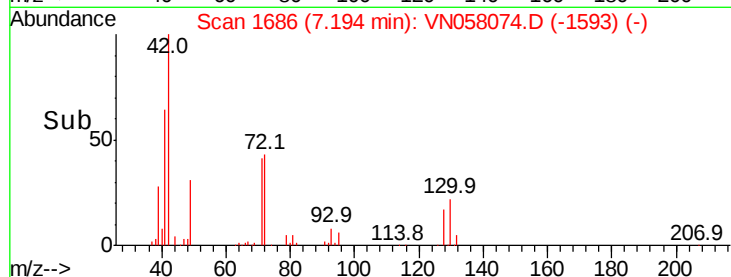
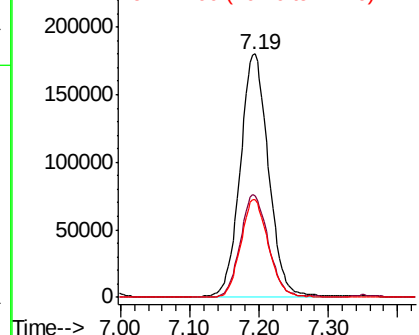
#29
Tetrahydrofuran
Concen: 266.021 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 512410
Ion Ratio Lower Upper
42 100
72 41.7 33.7 50.5
71 39.4 31.9 47.9

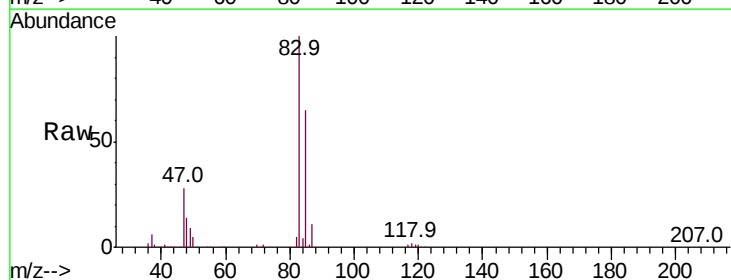


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

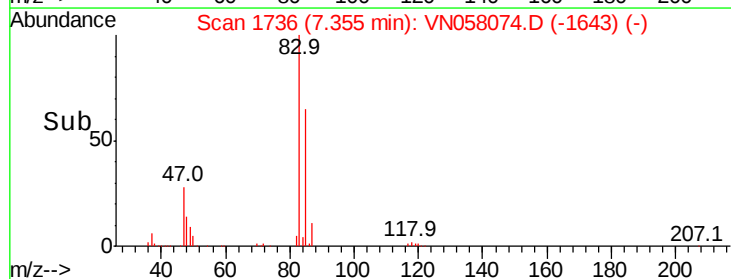
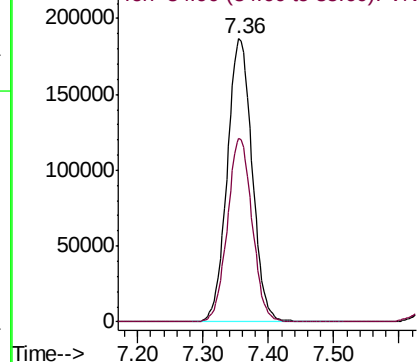


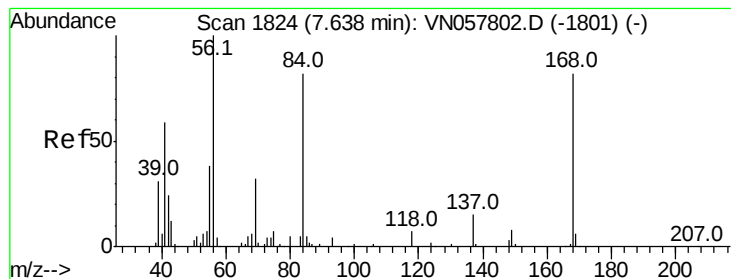
#30
Chloroform
Concen: 54.287 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 83 Resp: 493122
Ion Ratio Lower Upper
83 100
85 65.0 50.6 75.8



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





#31

Cyclohexane

Concen: 52.716 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampled :

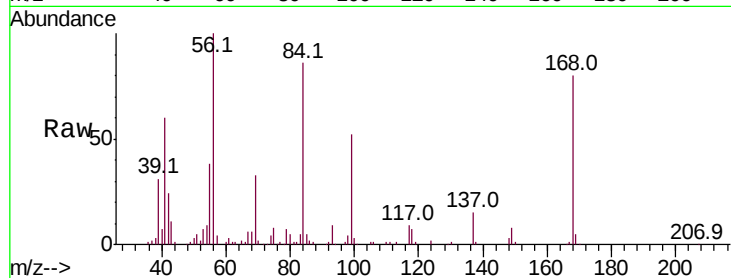
Tot Ion: 56 Resp: 311371

Ion Ratio Lower Upper

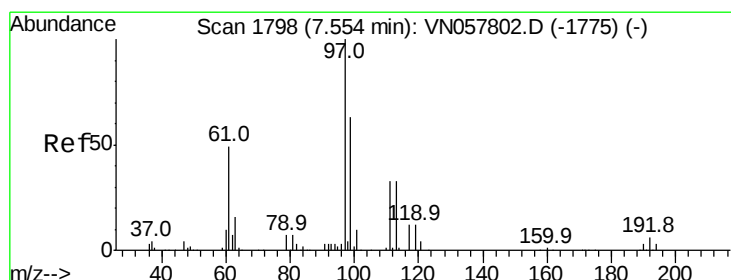
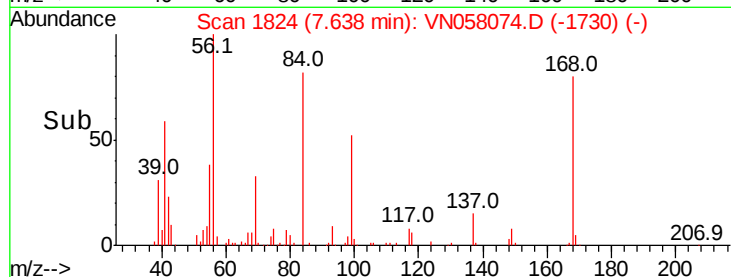
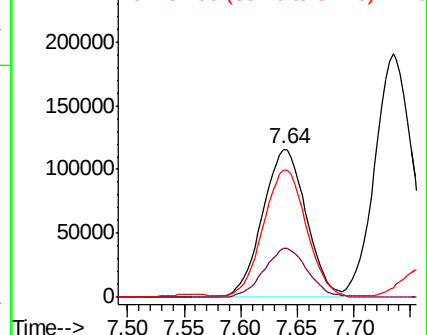
56 100

69 32.6 25.9 38.9

84 83.6 65.6 98.4



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



#32

1,1,1-Trichloroethane

Concen: 52.369 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

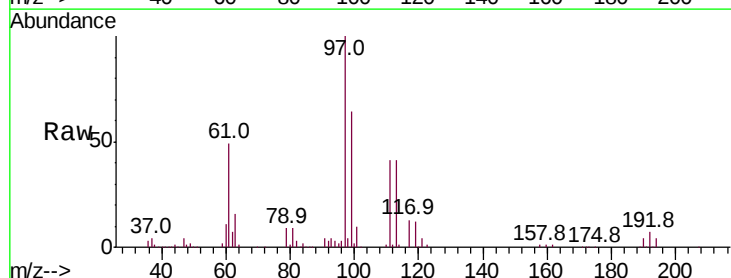
Tgt Ion: 97 Resp: 377277

Ion Ratio Lower Upper

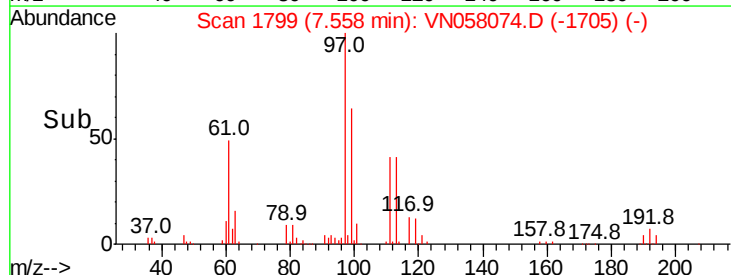
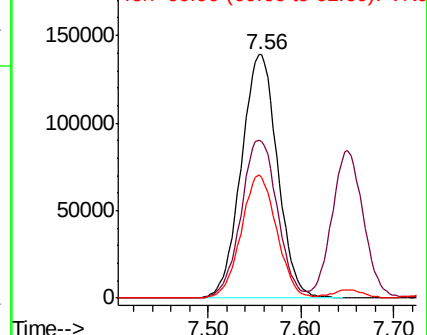
97 100

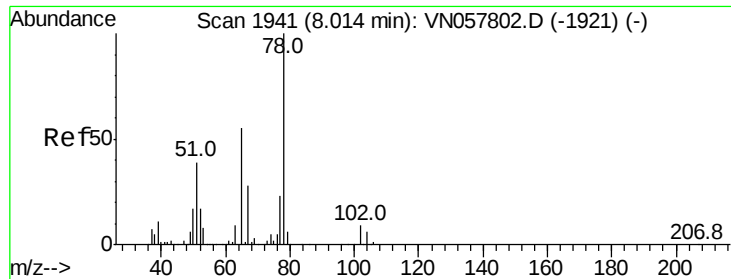
99 65.0 51.0 76.4

61 49.4 39.0 58.6



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

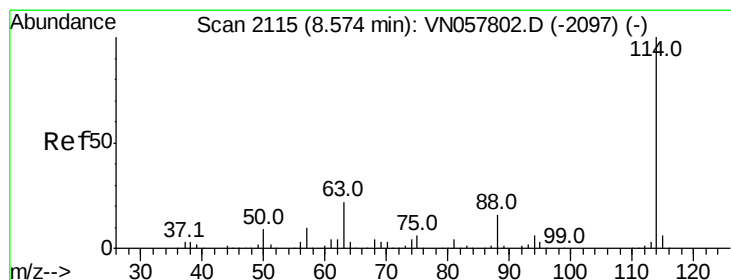
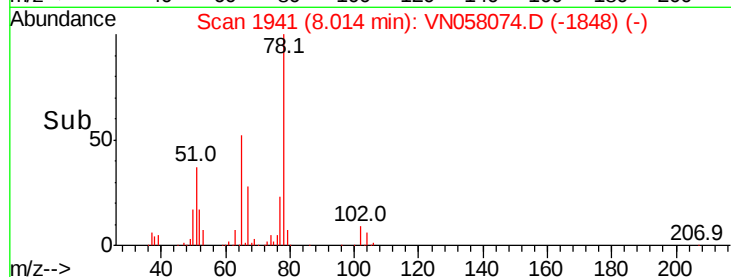
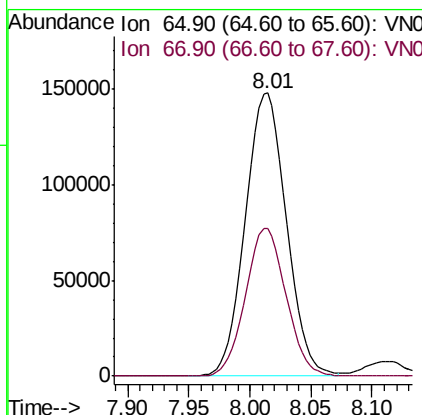
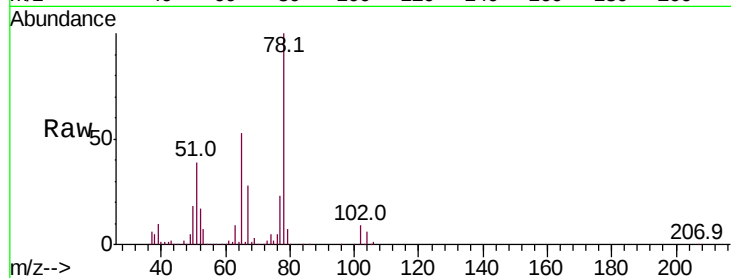




#33
 1,2-Dichloroethane-d4
 Concen: 52.334 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

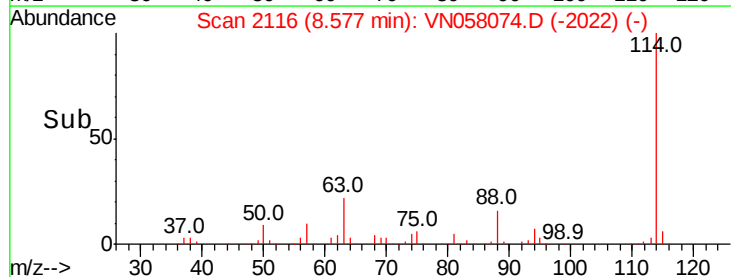
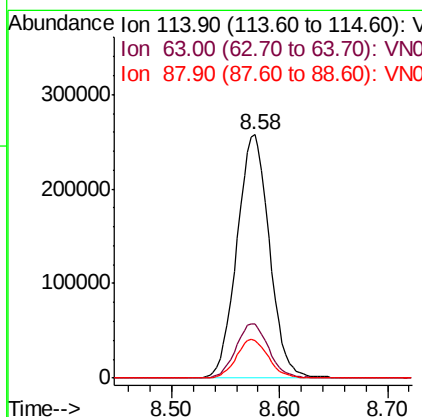
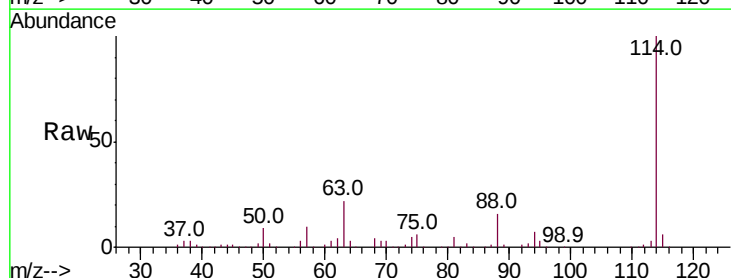
Instrument :
 MSVOA_N
 ClientSampleId :

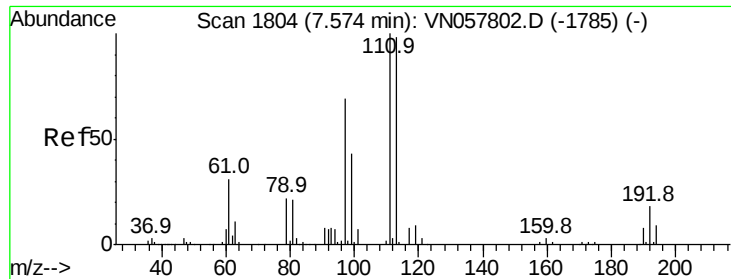
Tot Ion: 65 Resp: 344791
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion: 114 Resp: 540279
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 15.5 0.0 31.4

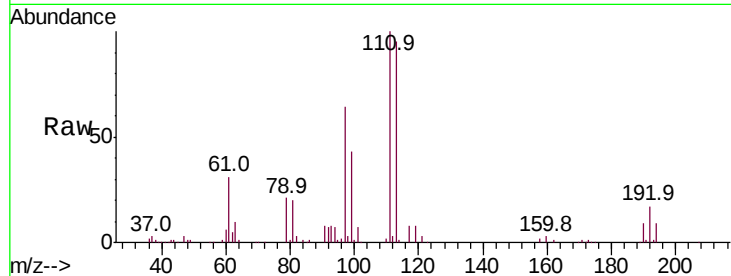




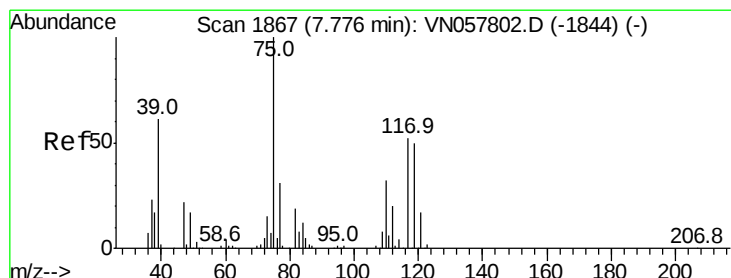
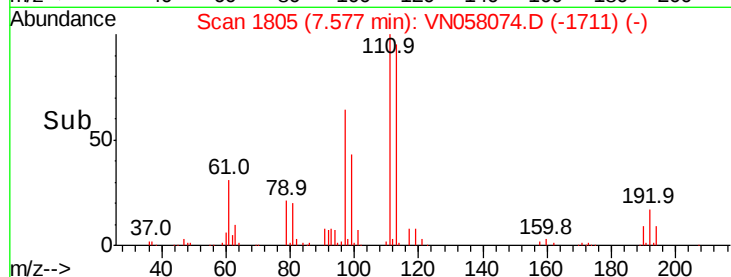
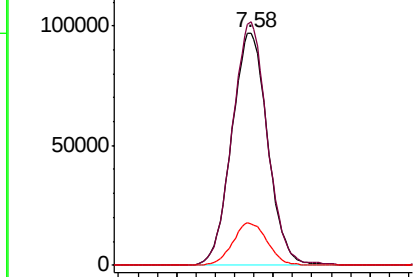
#35
Dibromofluoromethane
Concen: 50.111 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 249881
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 17.6 14.6 22.0

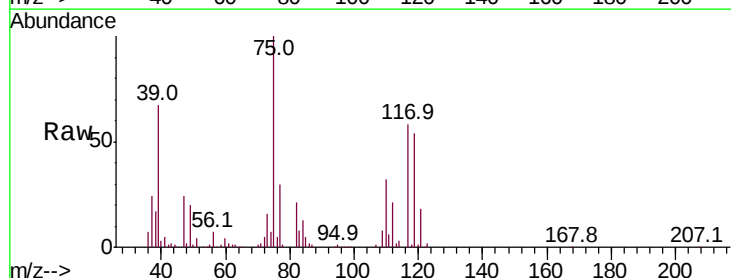


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

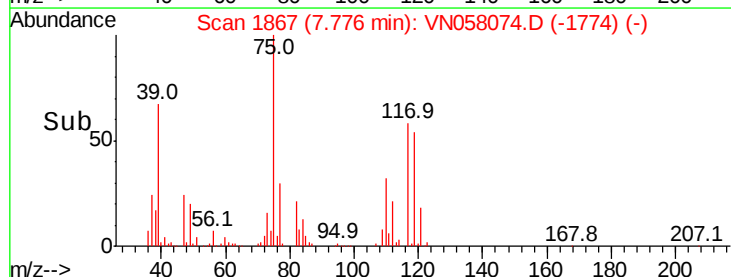
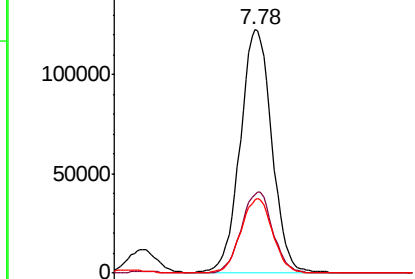


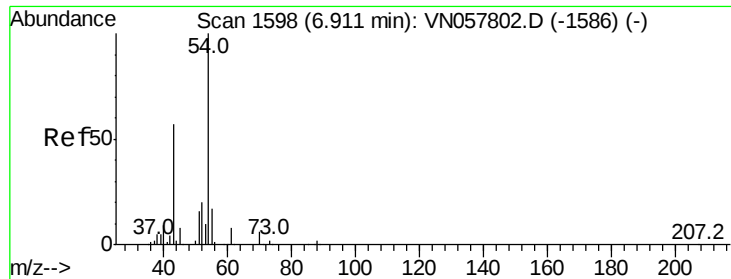
#36
1,1-Dichloropropene
Concen: 48.074 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 75 Resp: 301224
Ion Ratio Lower Upper
75 100
110 33.2 16.3 48.9
77 31.3 25.0 37.4



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

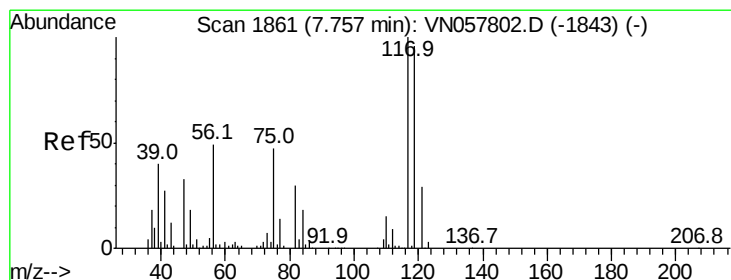
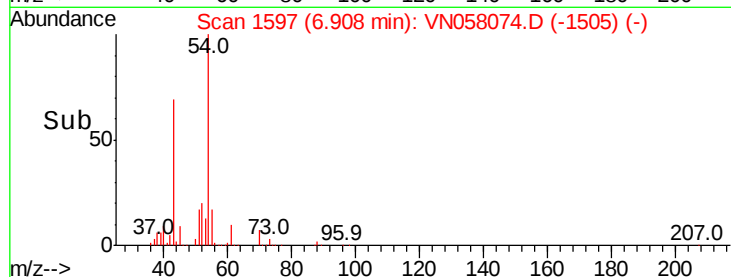
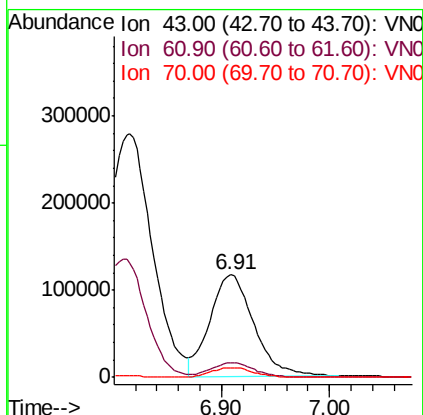
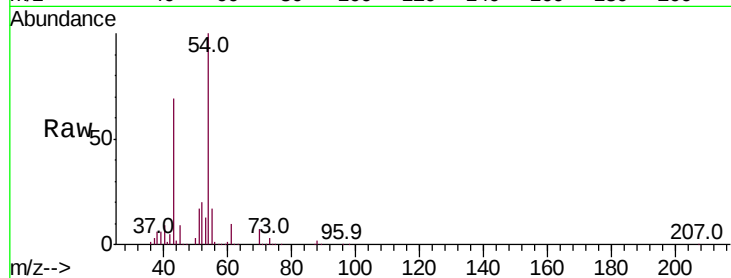




#37
Ethyl Acetate
Concen: 50.949 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

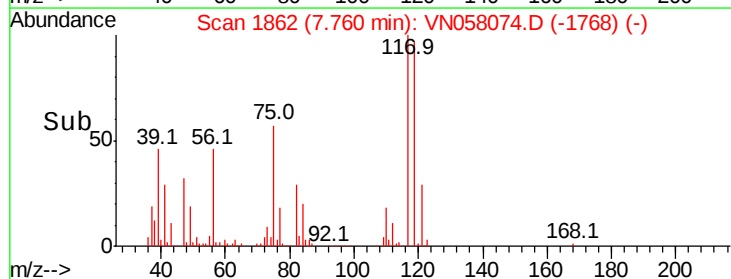
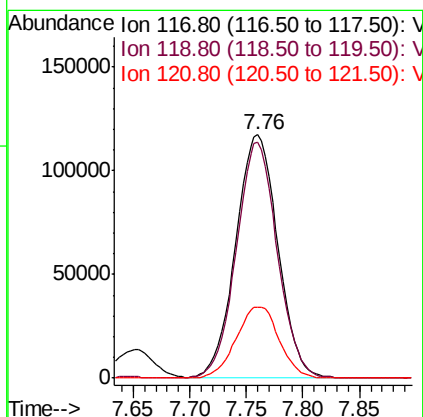
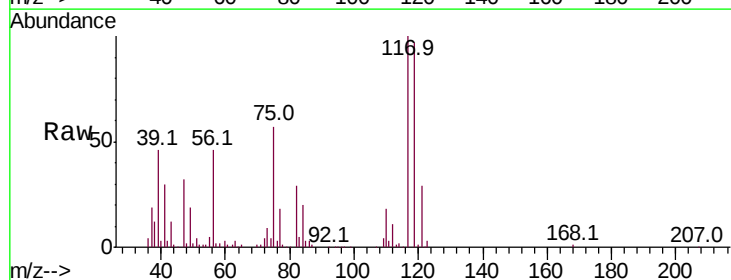
Instrument :
MSVOA_N
ClientSampled :

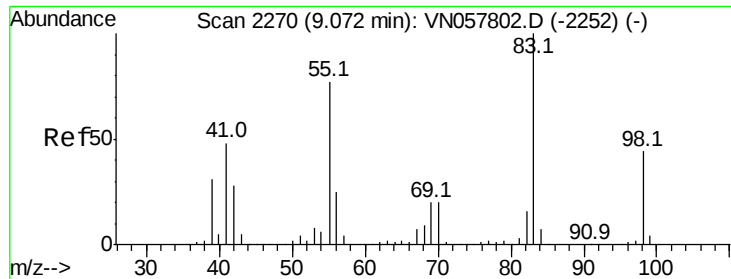
Tot Ion: 43 Resp: 329828
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 9.5 7.4 11.0



#38
Carbon Tetrachloride
Concen: 52.809 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 117 Resp: 302103
Ion Ratio Lower Upper
117 100
119 97.0 76.9 115.3
121 29.0 23.4 35.2

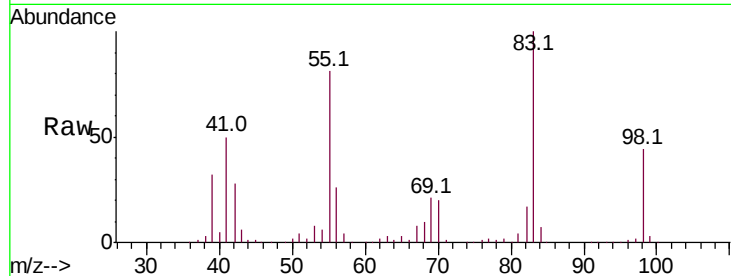




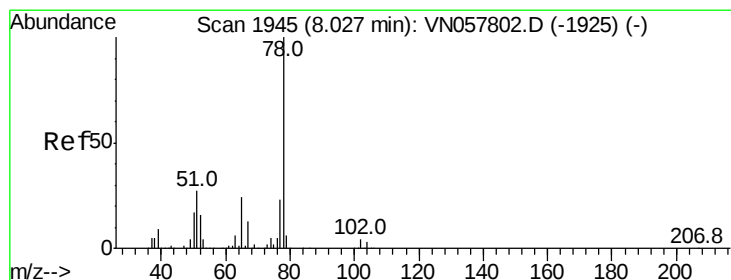
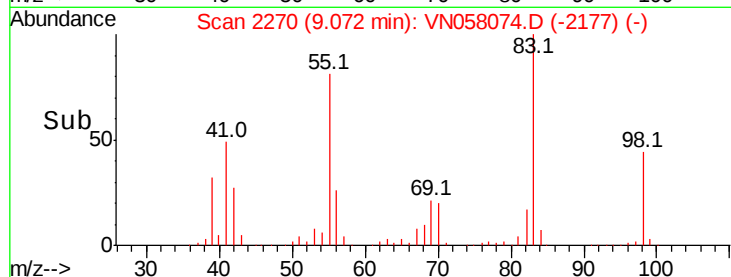
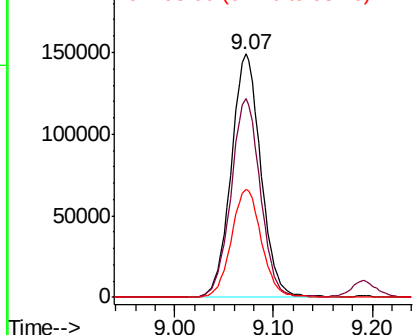
#39
Methvlcvclohexane
Concen: 47.397 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 312191
Ion Ratio Lower Upper
83 100
55 81.4 61.6 92.4
98 44.4 34.9 52.3

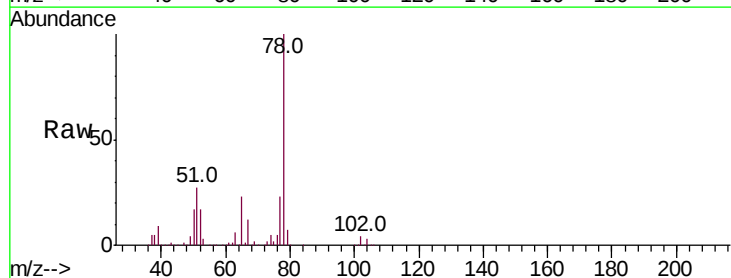


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

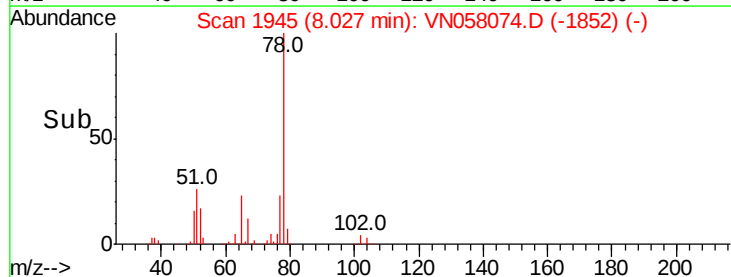
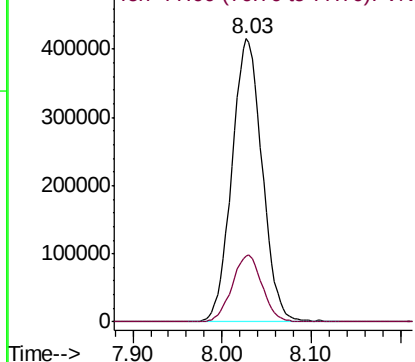


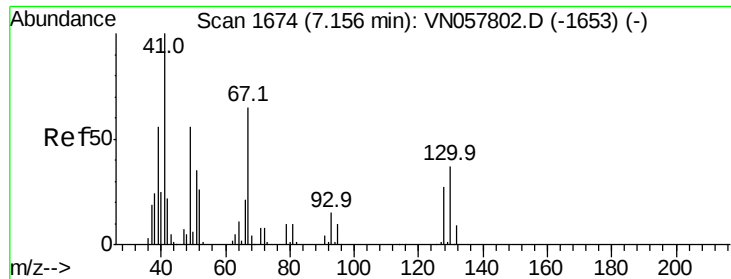
#40
Benzene
Concen: 51.845 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 78 Resp: 978022
Ion Ratio Lower Upper
78 100
77 23.3 18.3 27.5



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

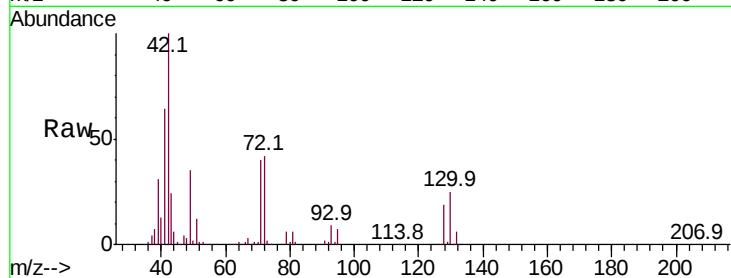




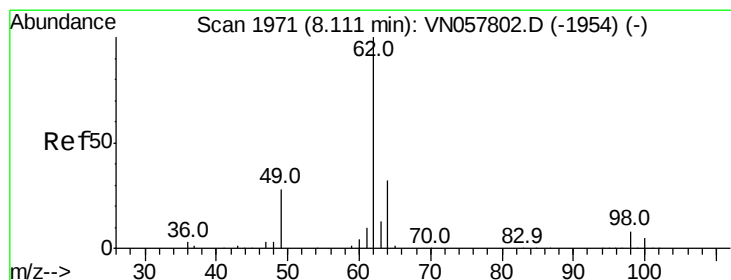
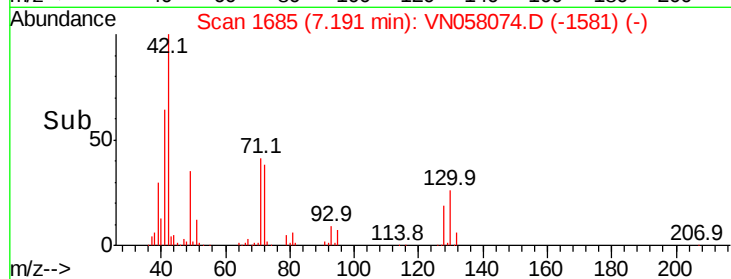
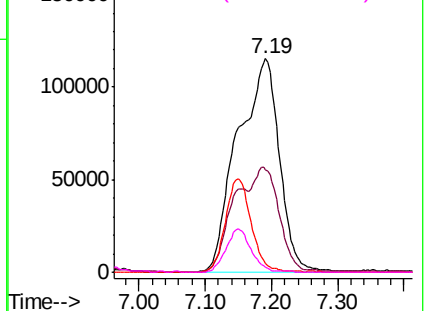
#41
Methacrylonitrile
Concen: 170.108 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 499886
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#

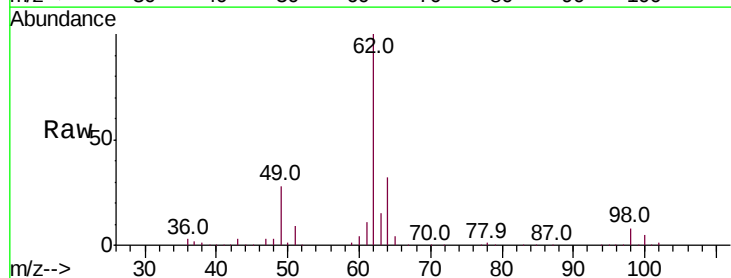


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

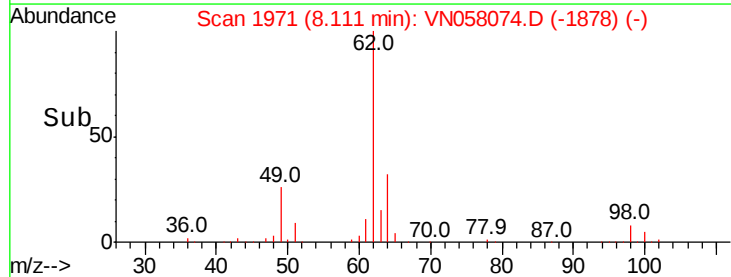
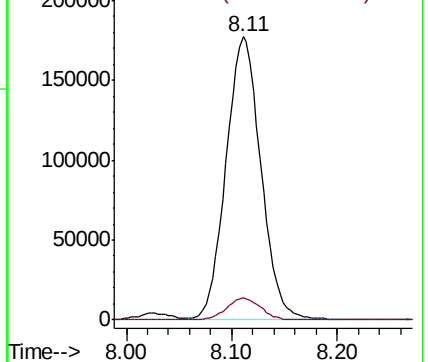


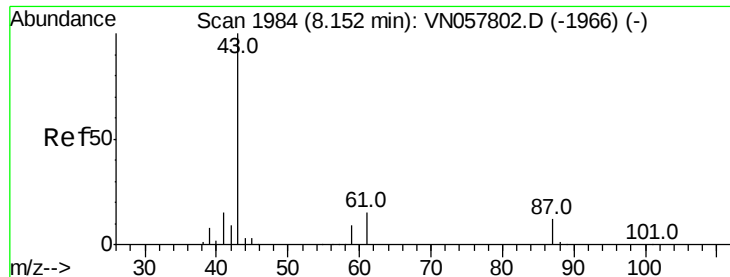
#42
1,2-Dichloroethane
Concen: 53.372 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 62 Resp: 402660
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 57.265 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

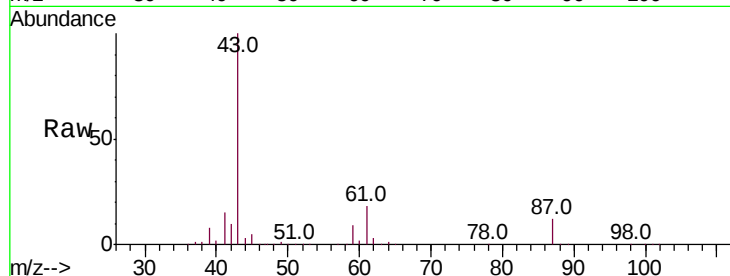
Tot Ion: 43 Resp: 623427

Ion Ratio Lower Upper

43 100

61 23.3 20.1 30.1

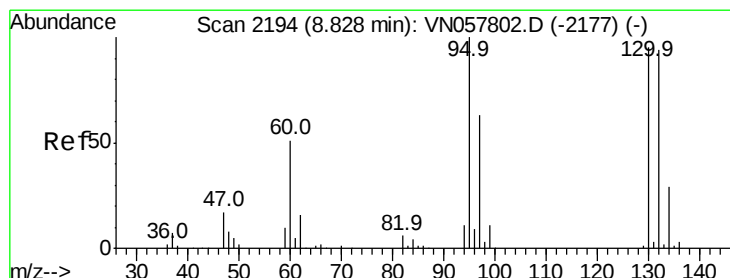
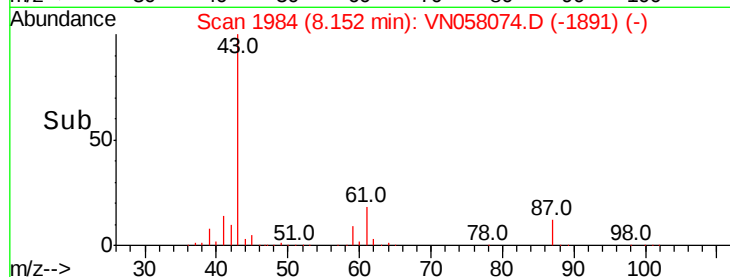
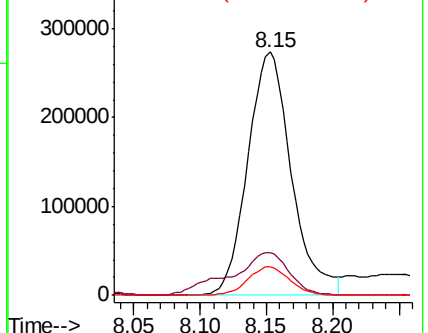
87 11.5 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#44

Trichloroethene

Concen: 51.126 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058074.D

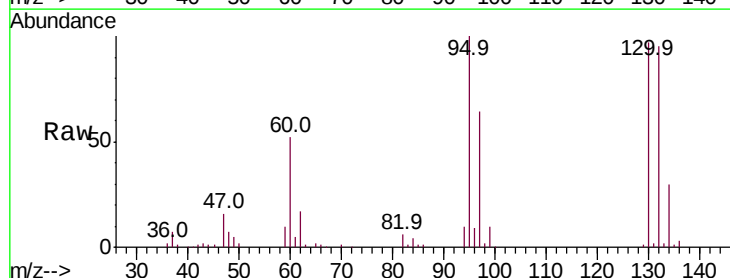
Acq: 14 Sep 2019 13:39

Tgt Ion:130 Resp: 236550

Ion Ratio Lower Upper

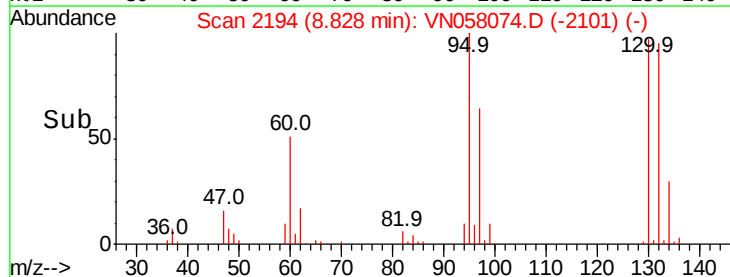
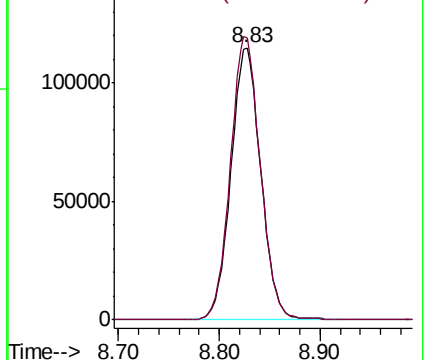
130 100

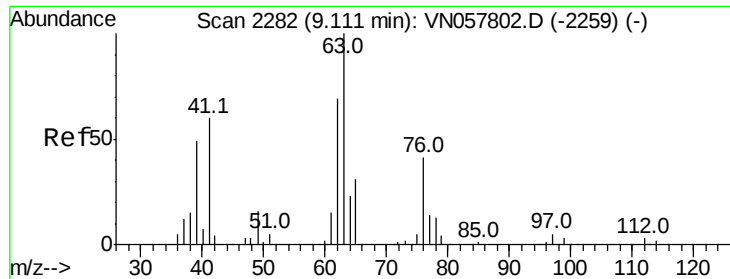
95 103.5 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)





#45

1,2-Dichloropropane

Concen: 54.428 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

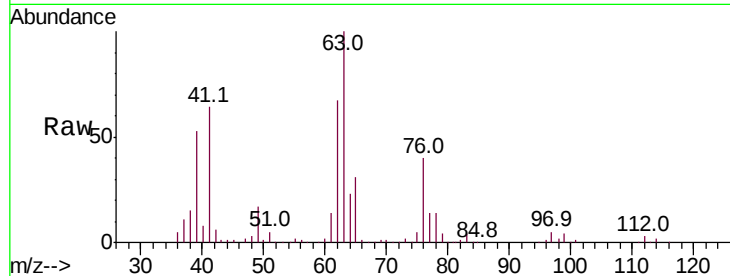
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 298764

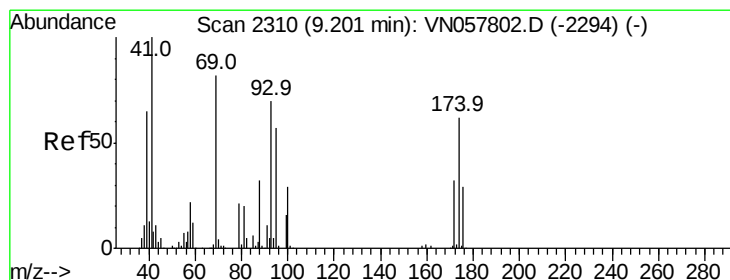
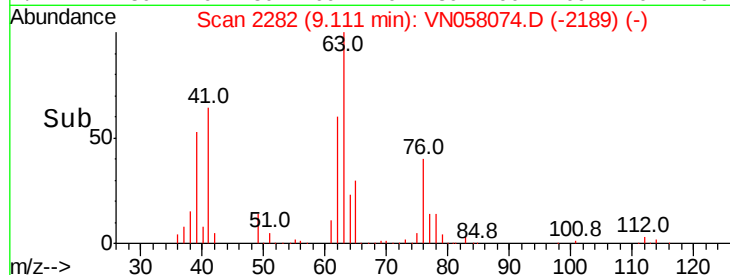
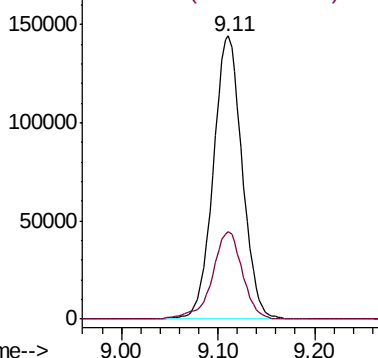
Ion Ratio Lower Upper

63 100

65 30.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 54.068 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

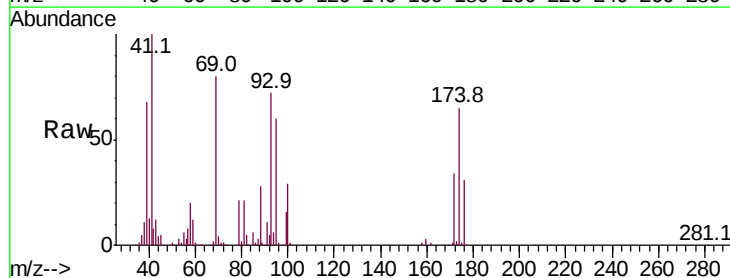
Tgt Ion: 93 Resp: 179345

Ion Ratio Lower Upper

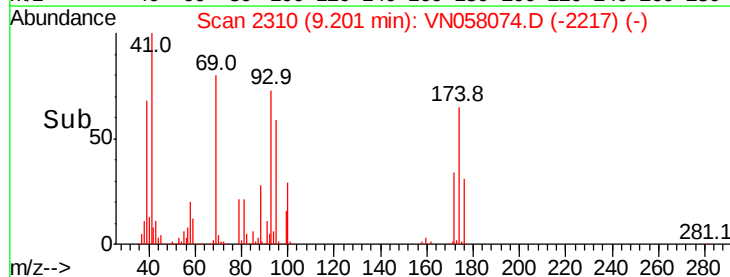
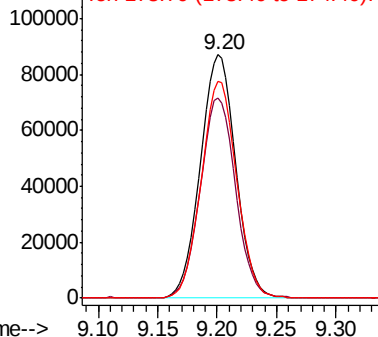
93 100

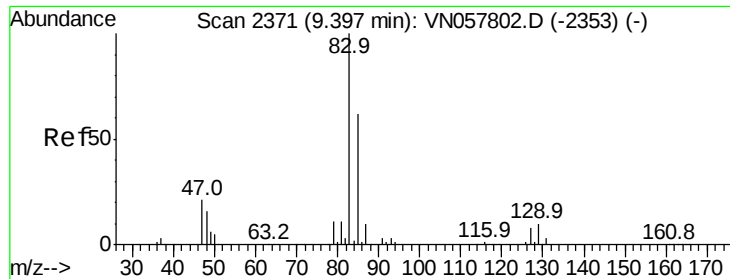
95 82.4 65.9 98.9

174 89.2 71.8 107.6



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 56.169 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :

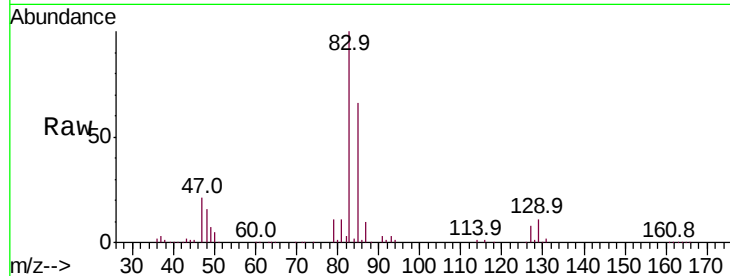
Tot Ion: 83 Resp: 372048

Ion Ratio Lower Upper

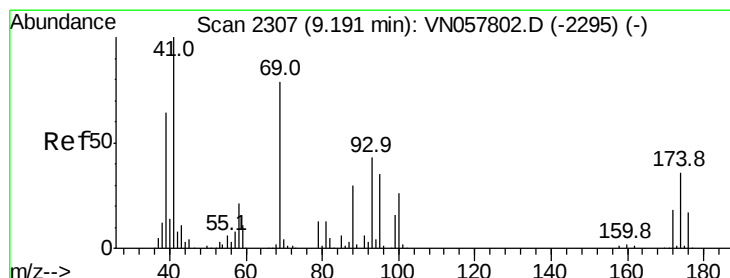
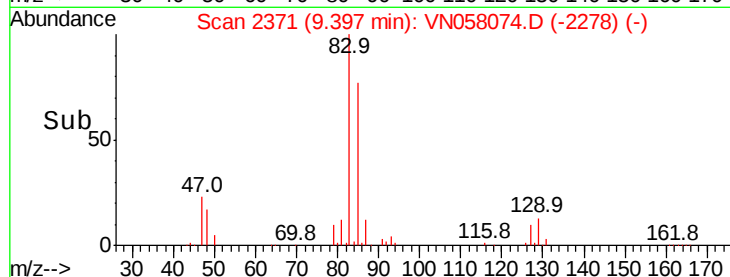
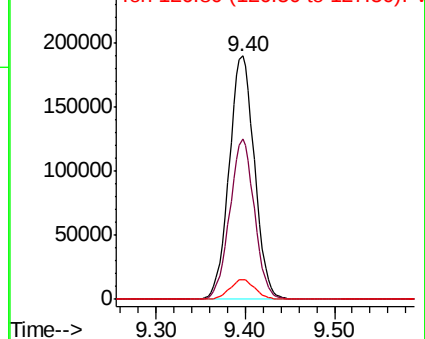
83 100

85 65.8 49.9 74.9

127 8.3 6.5 9.7



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



#48

Methyl methacrylate

Concen: 52.486 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

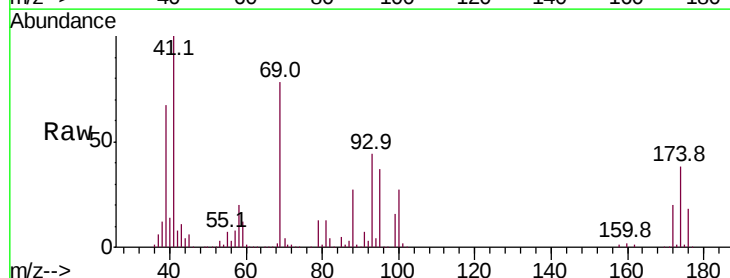
Tgt Ion: 41 Resp: 289851

Ion Ratio Lower Upper

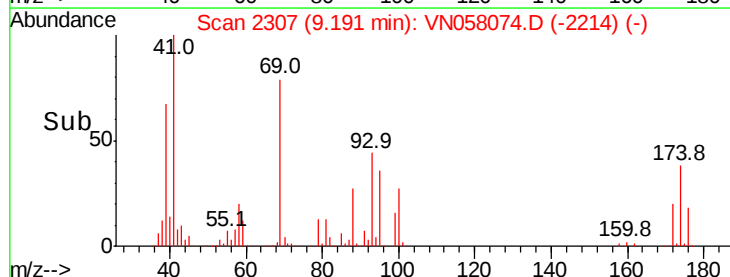
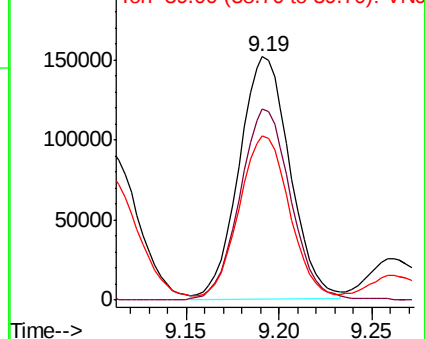
41 100

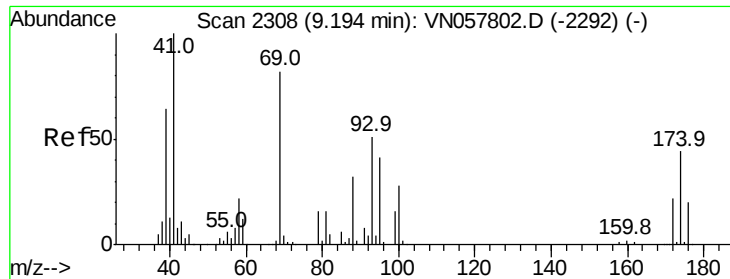
69 78.8 62.7 94.1

39 67.6 52.7 79.1



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

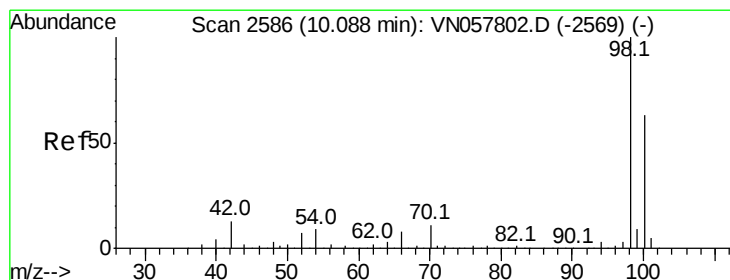
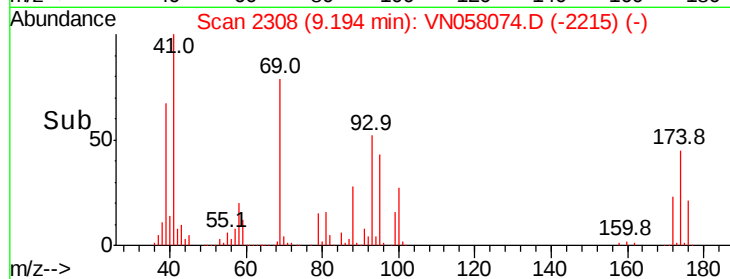
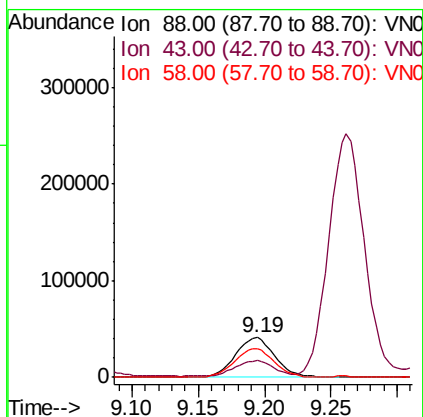
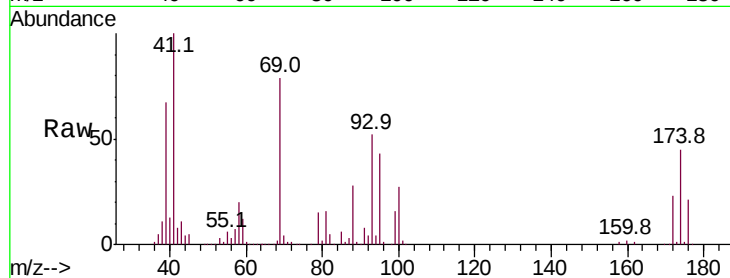




#49
 1,4-Dioxane
 Concen: 915.690 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

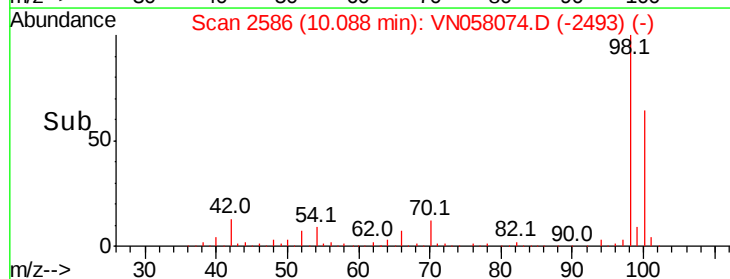
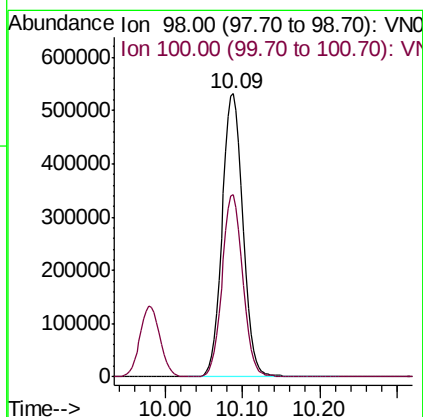
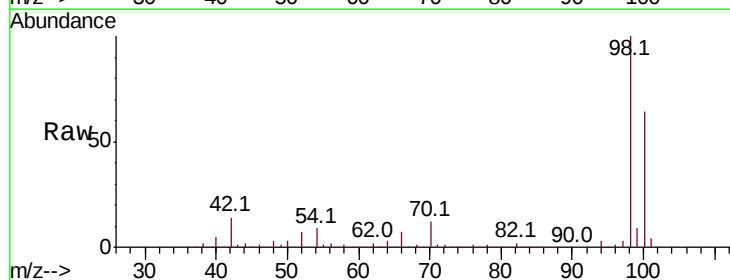
Instrument :
 MSVOA_N
 ClientSampled :

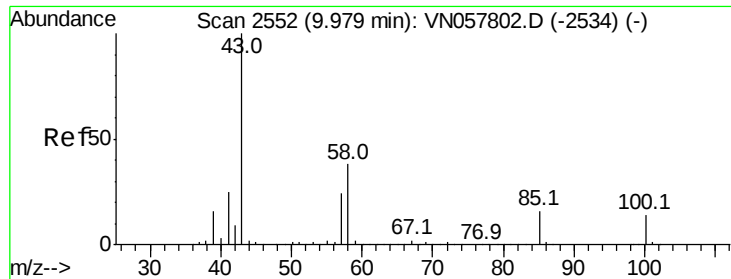
Tot Ion: 88 Resp: 85516
 Ion Ratio Lower Upper
 88 100
 43 36.1 28.5 42.7
 58 72.2 55.8 83.6



#50
 Toluene-d8
 Concen: 51.446 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion: 98 Resp: 996025
 Ion Ratio Lower Upper
 98 100
 100 64.1 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 281.556 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

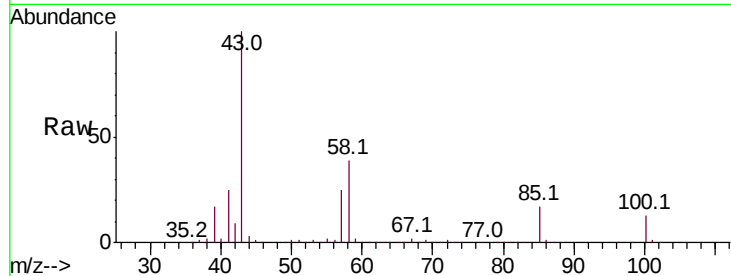
ClientSampleId :

Tot Ion: 43 Resp: 1813908

Ion Ratio Lower Upper

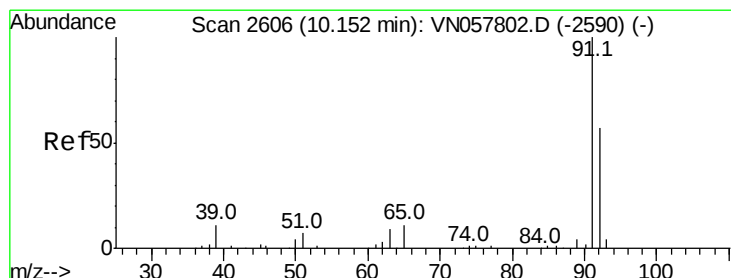
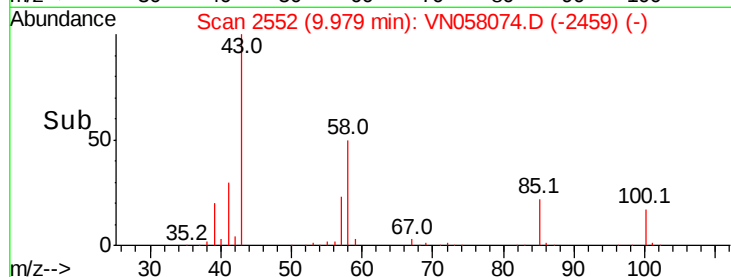
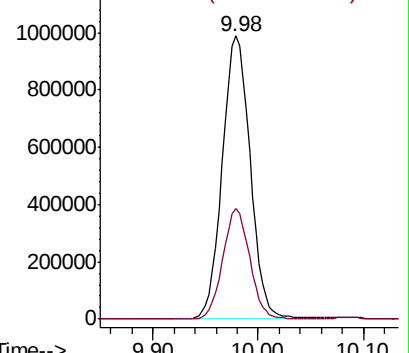
43 100

58 37.7 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.275 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058074.D

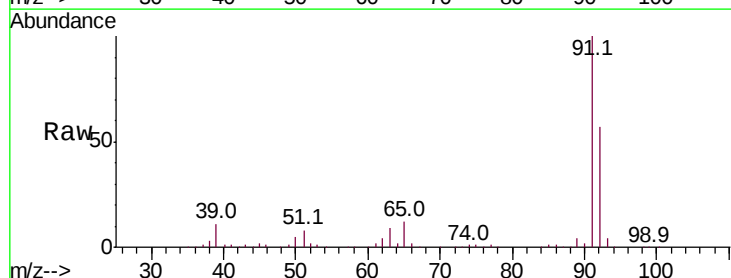
Acq: 14 Sep 2019 13:39

Tgt Ion: 92 Resp: 621098

Ion Ratio Lower Upper

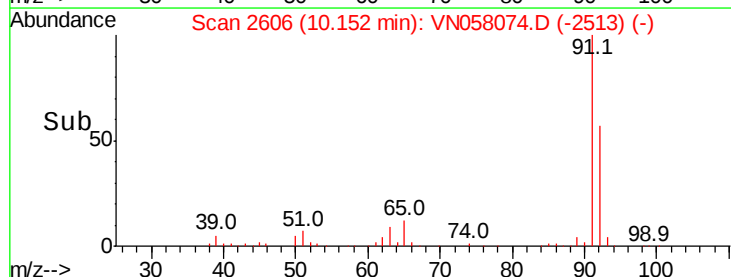
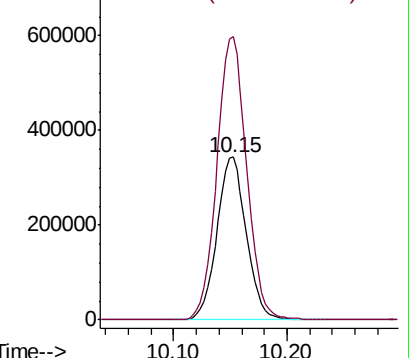
92 100

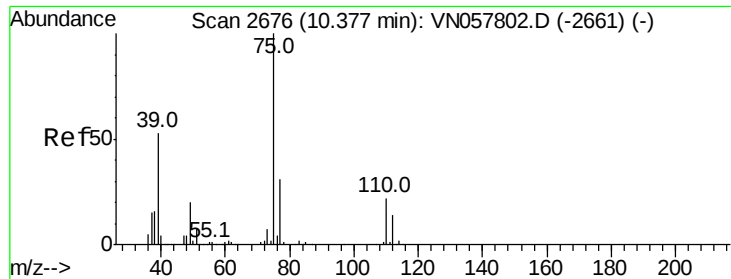
91 176.5 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

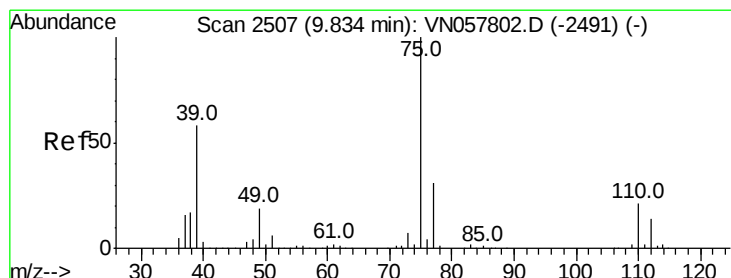
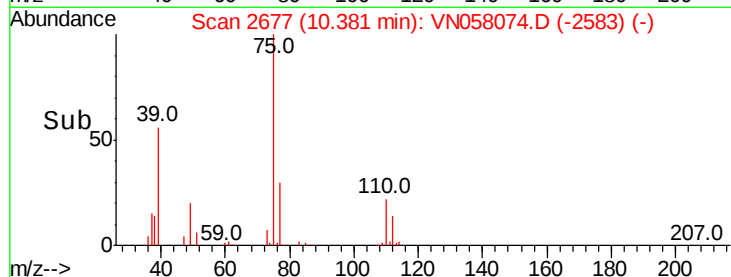
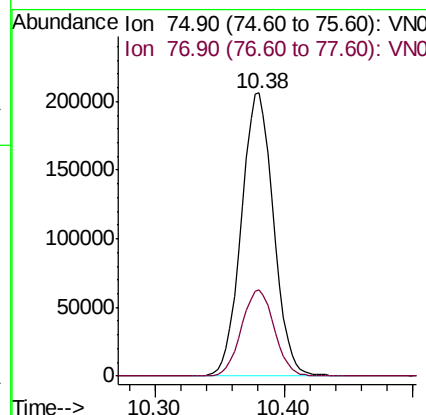
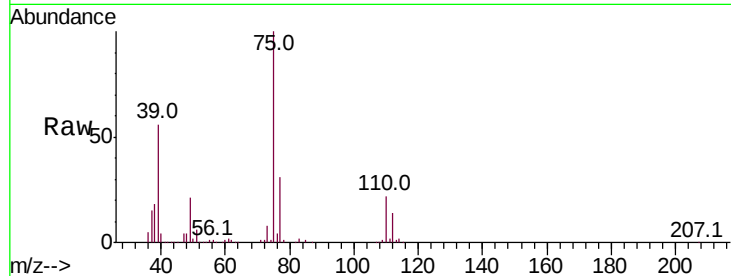




#53
t-1,3-Dichloropropene
Concen: 51.315 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

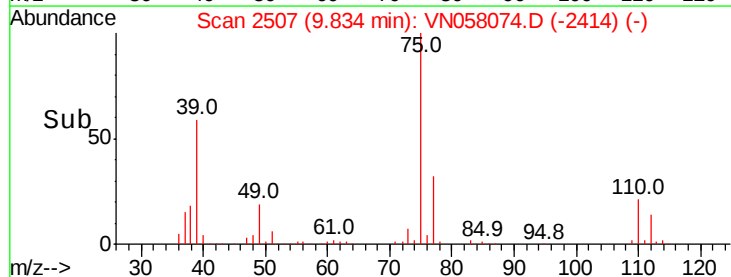
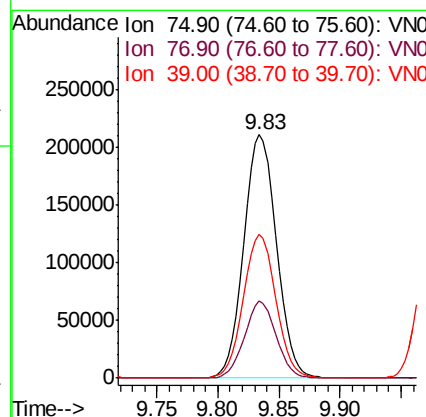
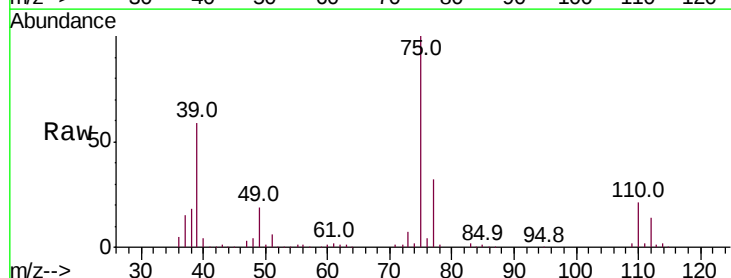
Instrument :
MSVOA_N
ClientSampleId :

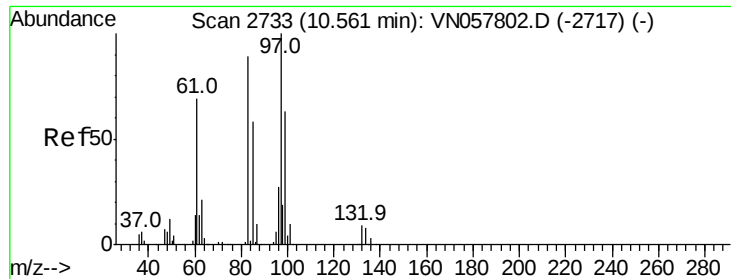
Tot Ion: 75 Resp: 357934
Ion Ratio Lower Upper
75 100
77 30.5 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 50.676 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 75 Resp: 390259
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2
39 59.0 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 54.416 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

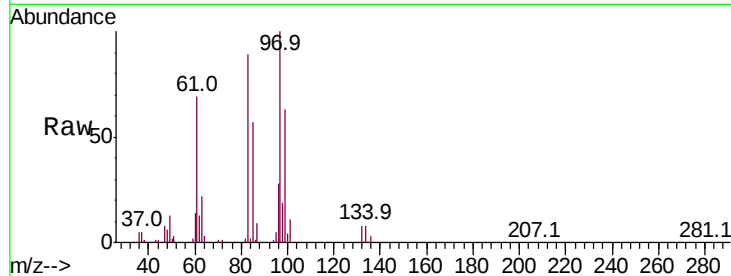
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 273866

Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.8	106.2
85	57.0	46.0	69.0
99	62.7	50.6	76.0

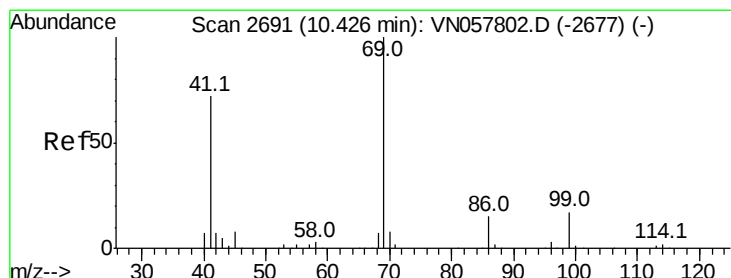
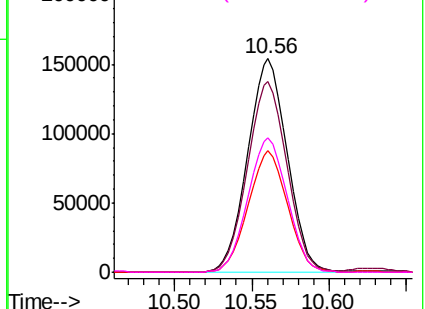
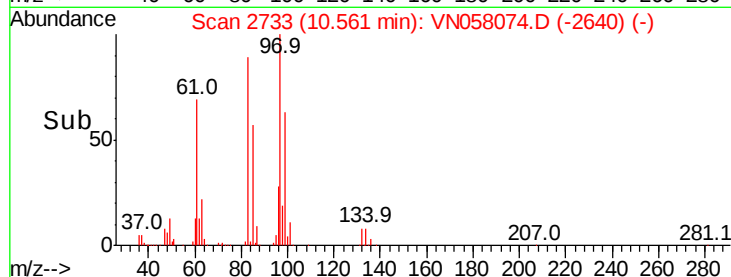


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.247 ug/l

RT: 10.43 min Scan# 2691

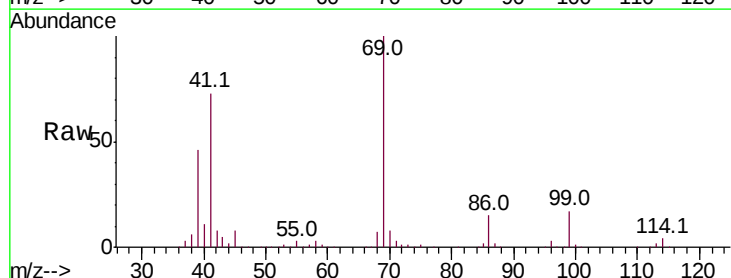
Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tgt Ion: 69 Resp: 411131

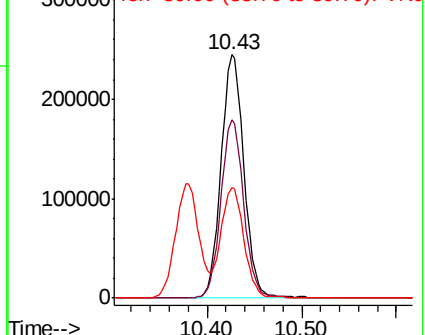
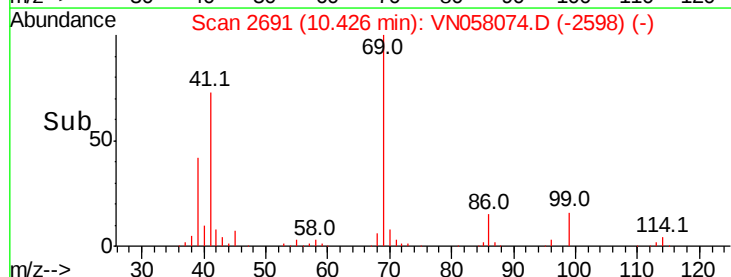
Ion	Ratio	Lower	Upper
69	100		
41	72.1	56.7	85.1
39	45.6	36.3	54.5

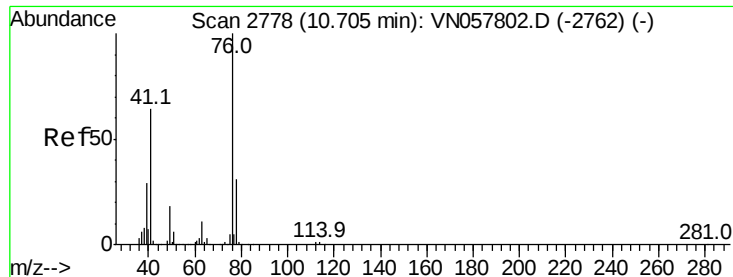


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.686 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

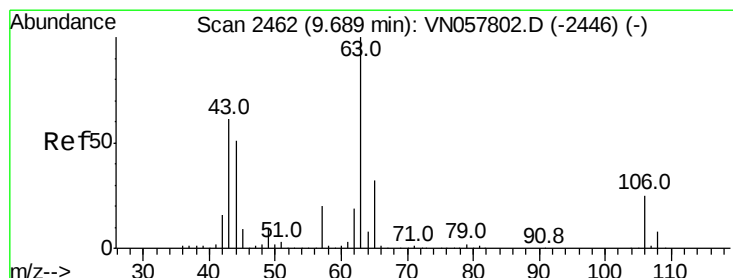
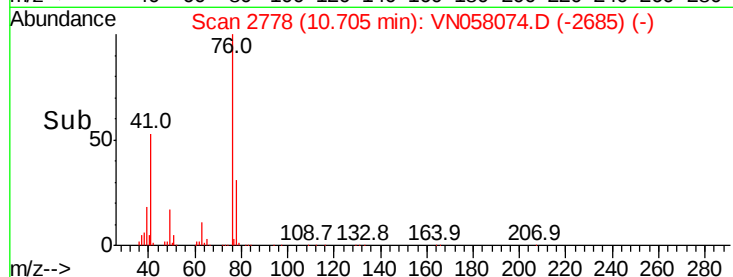
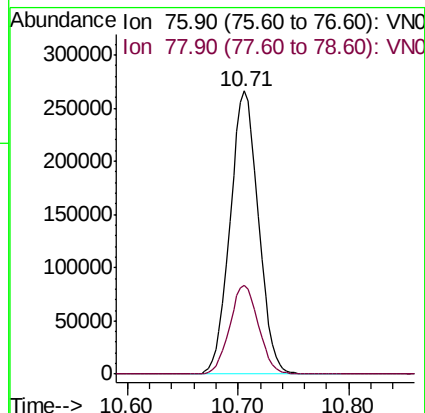
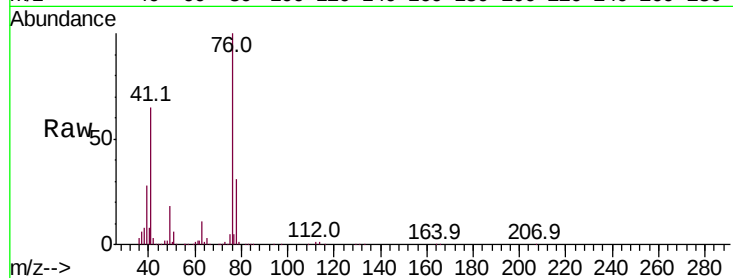
ClientSampled :

Tot Ion: 76 Resp: 474311

Ion Ratio Lower Upper

76 100

78 31.9 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 241.685 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058074.D

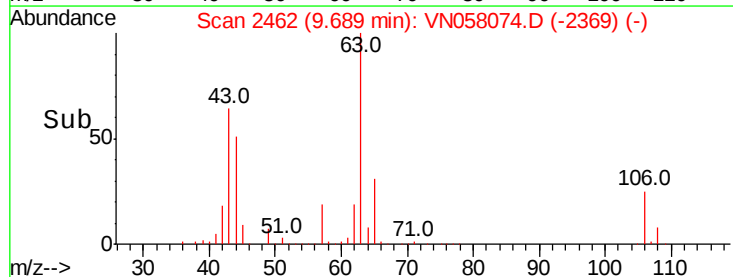
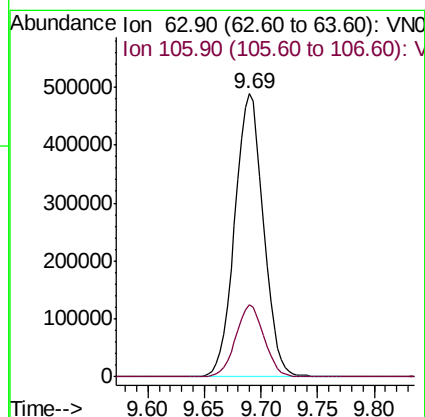
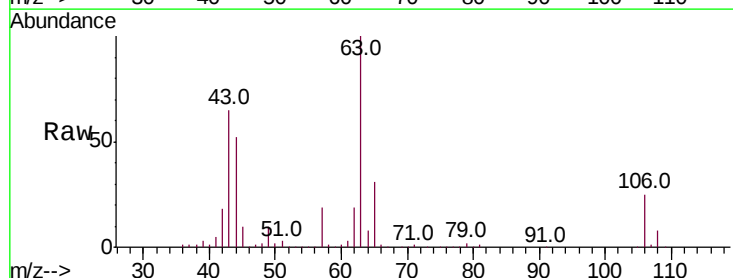
Acq: 14 Sep 2019 13:39

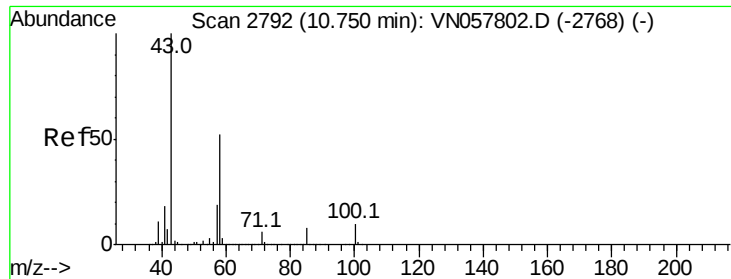
Tgt Ion: 63 Resp: 862717

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0

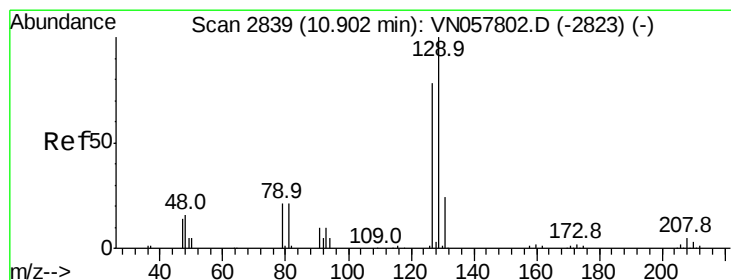
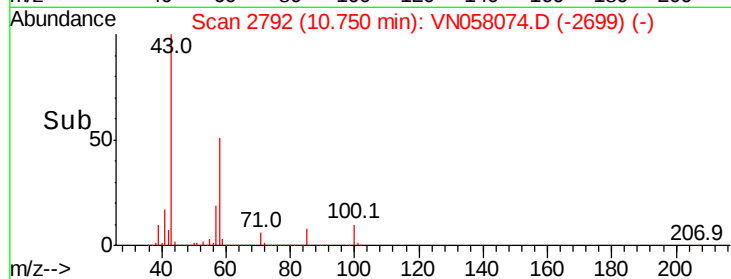
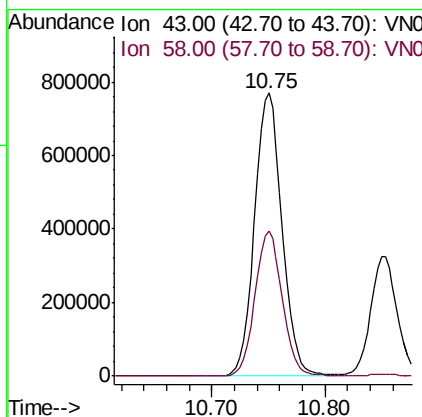
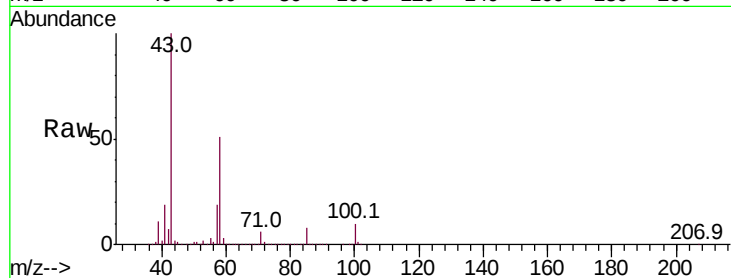




#59
2-Hexanone
Concen: 268.169 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

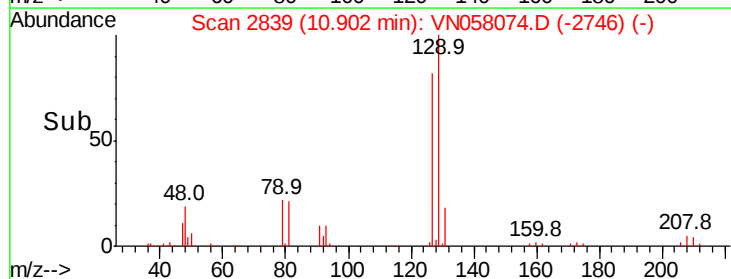
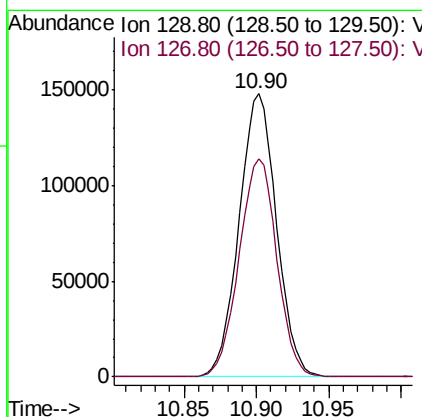
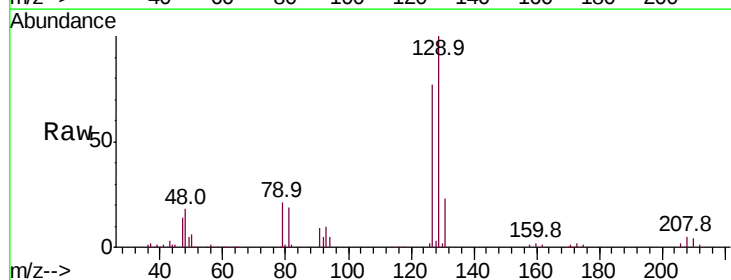
Instrument :
MSVOA_N
ClientSampleId :

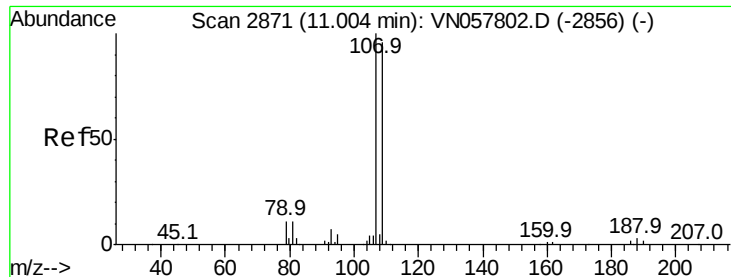
Tot Ion: 43 Resp: 1294949
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8



#60
Dibromochloromethane
Concen: 56.914 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 129 Resp: 265985
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0

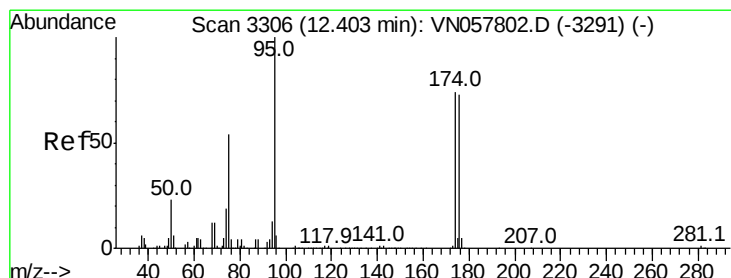
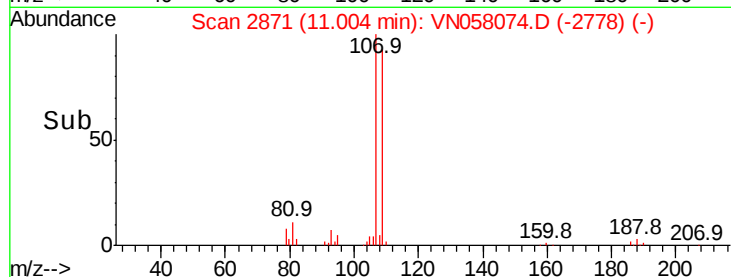
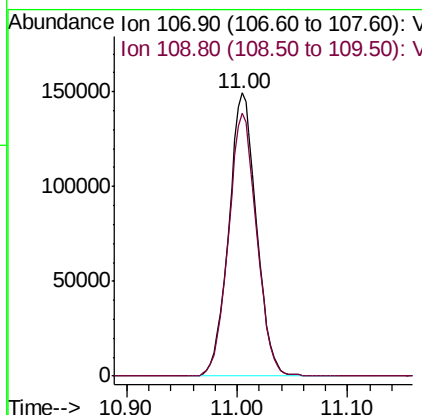
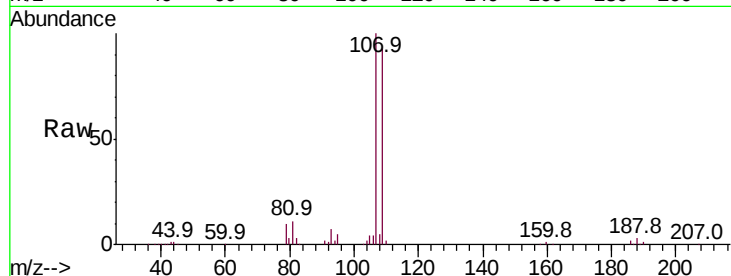




#61
 1,2-Dibromoethane
 Concen: 54.619 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

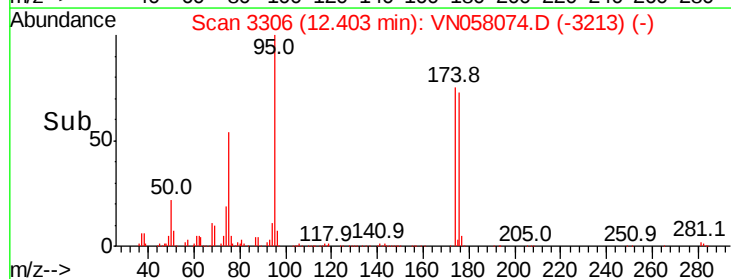
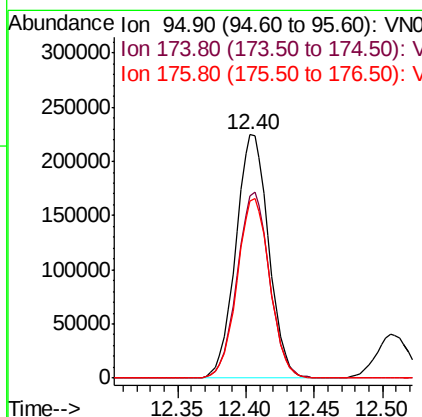
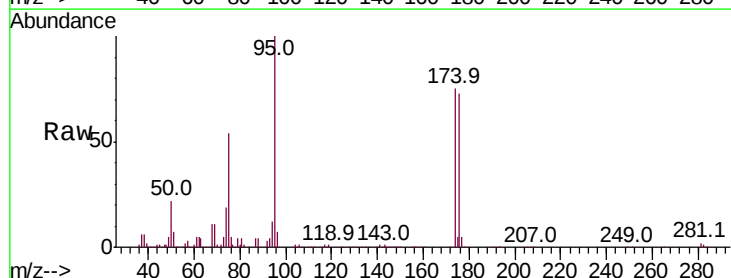
Instrument :
 MSVOA_N
 ClientSampleId :

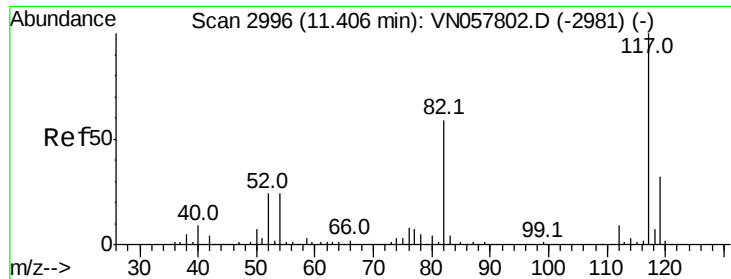
Tot Ion:107 Resp: 259878
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 50.908 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion: 95 Resp: 375602
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 150.2
 176 73.2 0.0 146.0

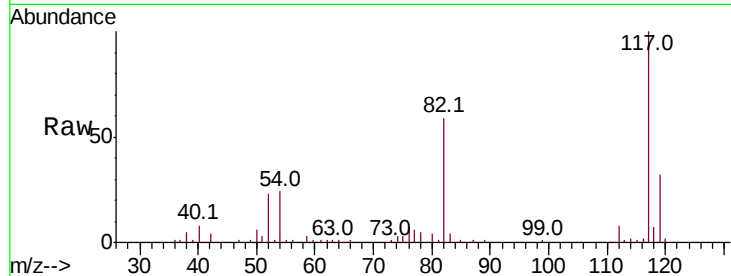




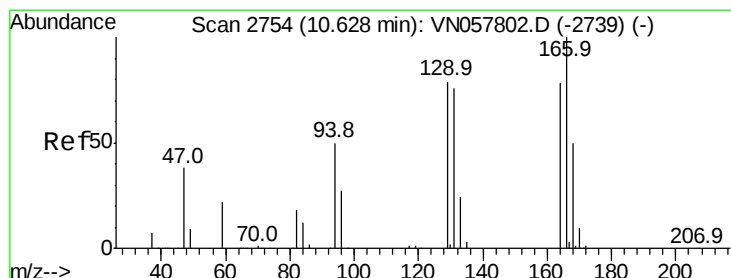
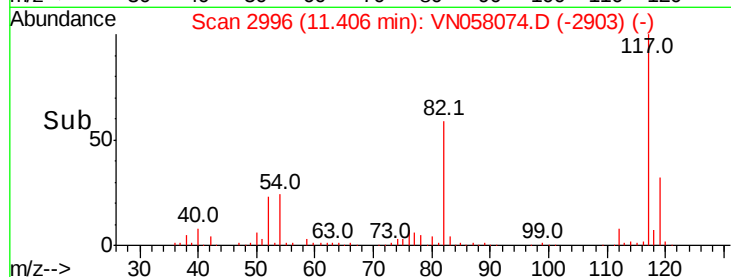
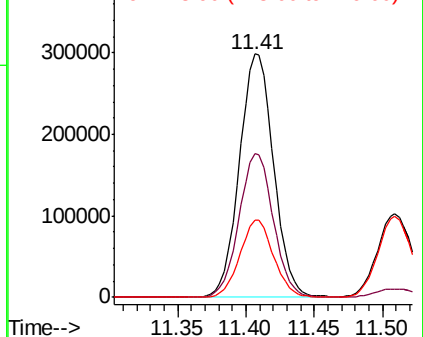
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 520121
Ion Ratio Lower Upper
117 100
82 59.2 47.2 70.8
119 31.9 25.3 37.9

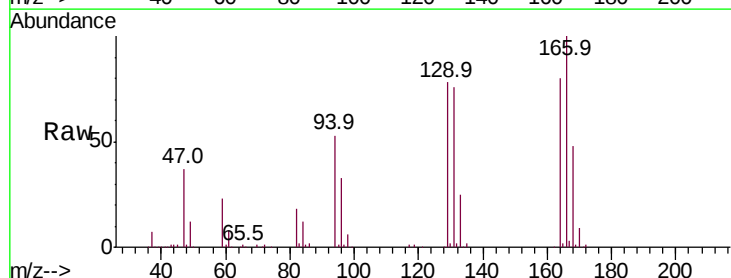


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

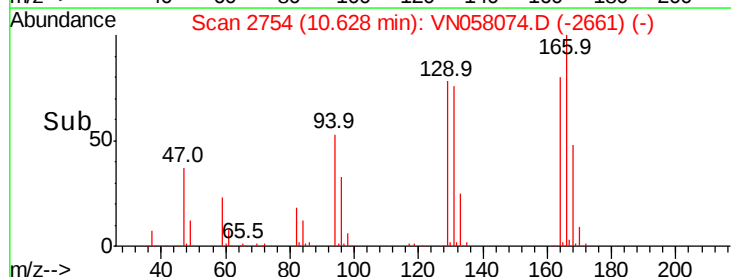
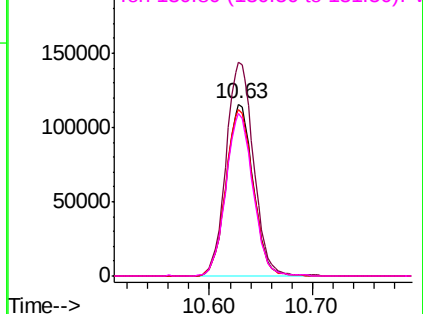


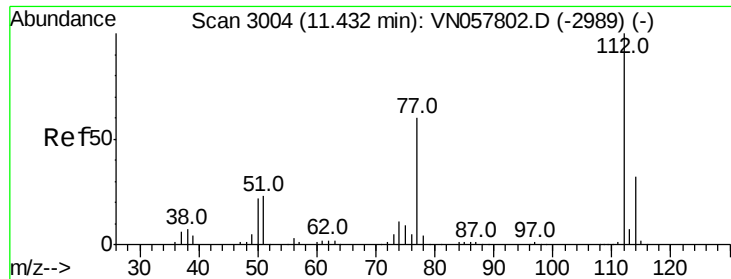
#64
Tetrachloroethene
Concen: 54.819 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion:164 Resp: 210524
Ion Ratio Lower Upper
164 100
166 124.3 102.2 153.2
129 97.0 80.8 121.2
131 94.4 77.4 116.2



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





#65

Chlorobenzene

Concen: 52.538 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

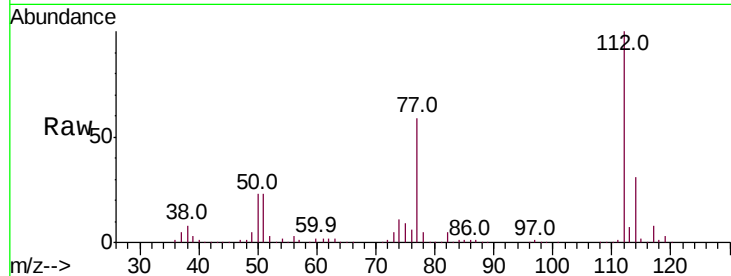
ClientSampled :

Tot Ion:112 Resp: 715140

Ion Ratio Lower Upper

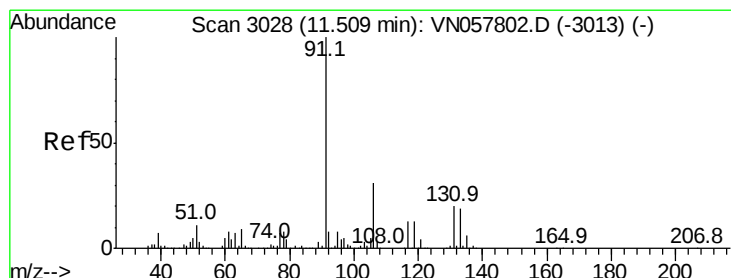
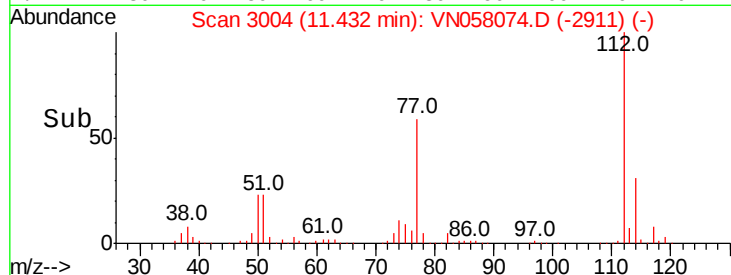
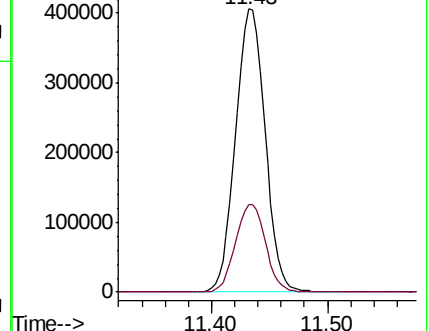
112 100

114 30.9 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.127 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

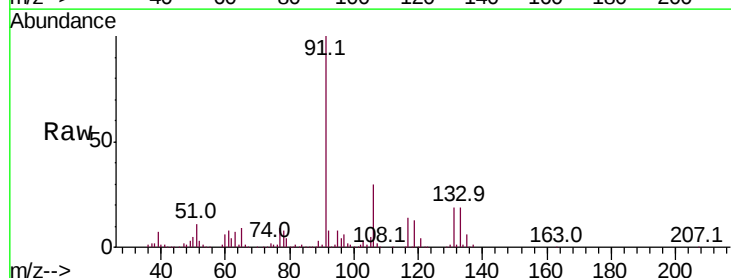
Tgt Ion:131 Resp: 260381

Ion Ratio Lower Upper

131 100

133 96.8 47.1 141.3

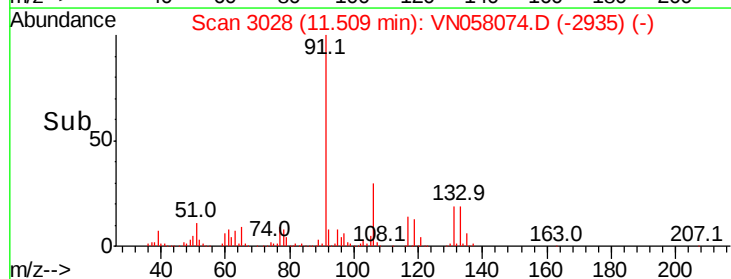
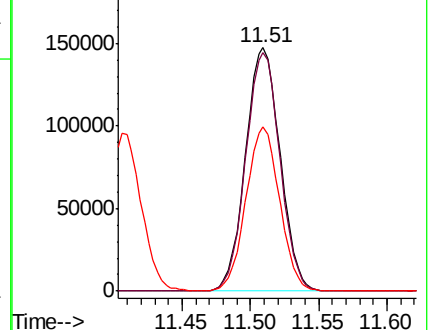
119 65.7 33.3 99.8

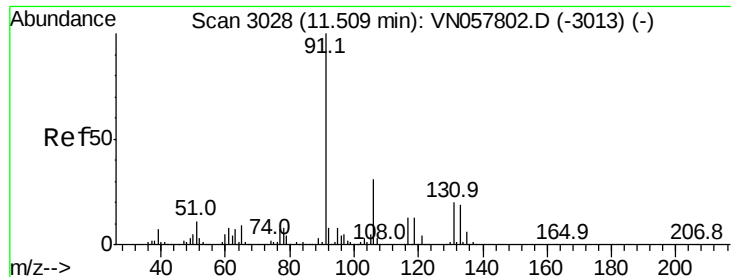


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

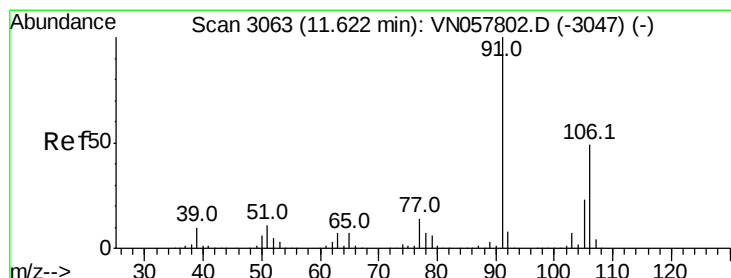
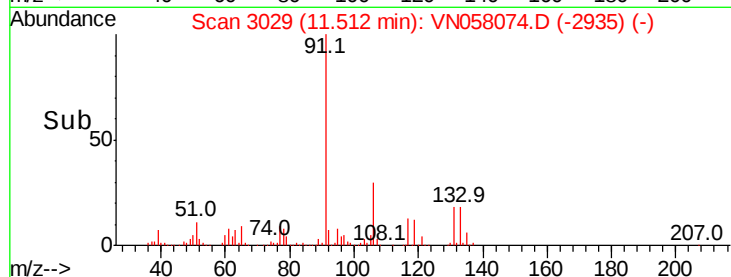
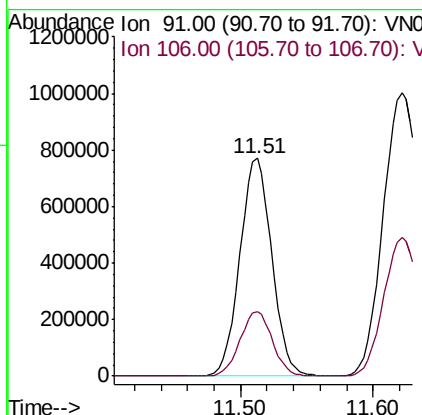
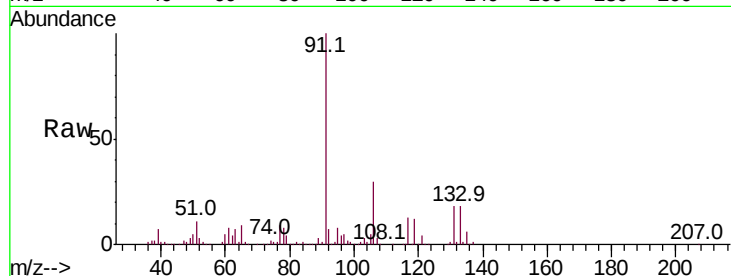




#67
Ethyl Benzene
Concen: 54.042 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

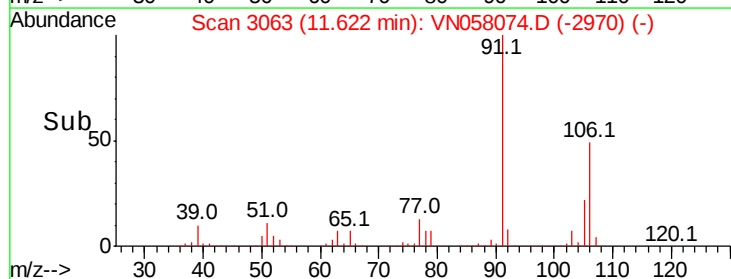
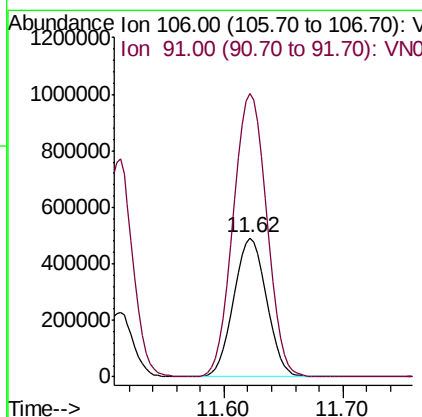
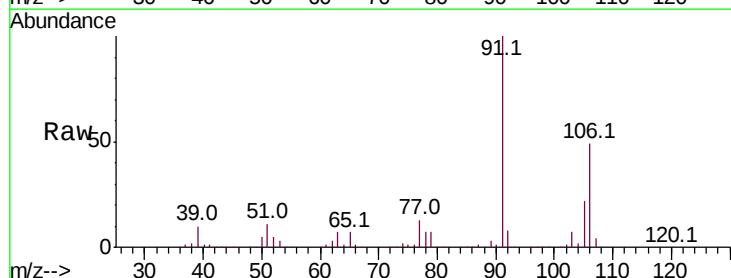
Instrument :
MSVOA_N
ClientSampled :

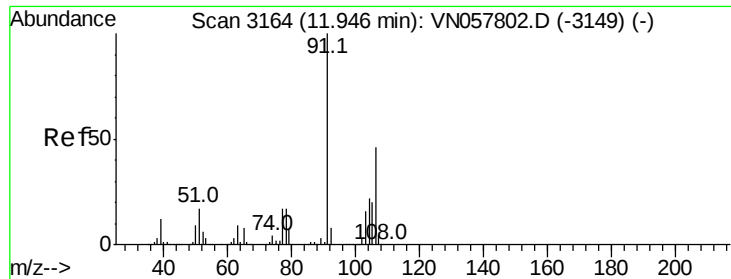
Tot Ion: 91 Resp: 1289199
Ion Ratio Lower Upper
91 100
106 29.9 24.4 36.6



#68
m/p-Xylenes
Concen: 108.118 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 106 Resp: 944759
Ion Ratio Lower Upper
106 100
91 208.0 165.8 248.6

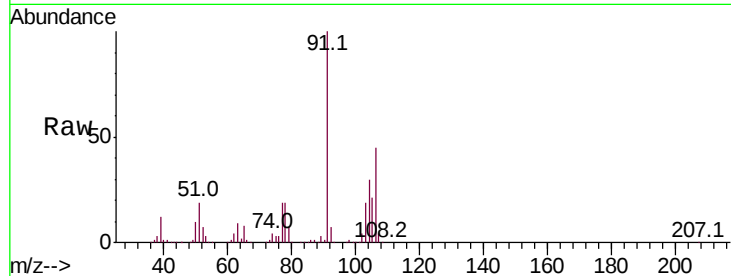




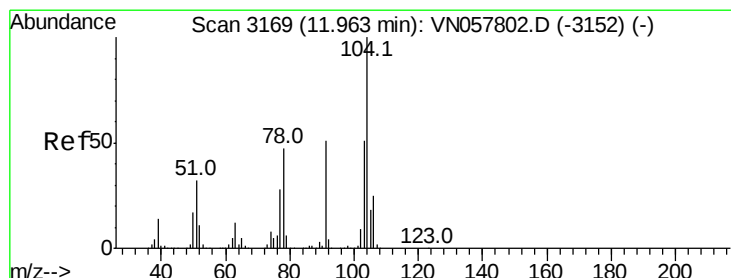
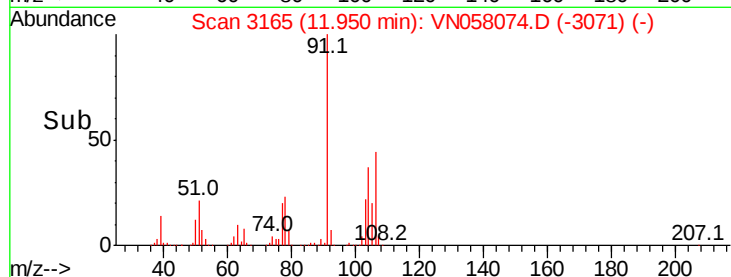
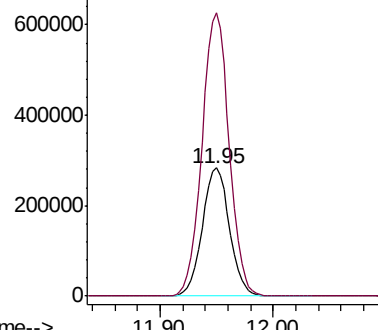
#69
o-Xylene
Concen: 54.300 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 471714
Ion Ratio Lower Upper
106 100
91 220.8 108.7 326.1

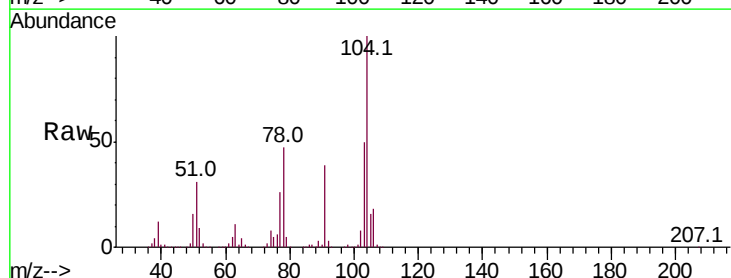


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

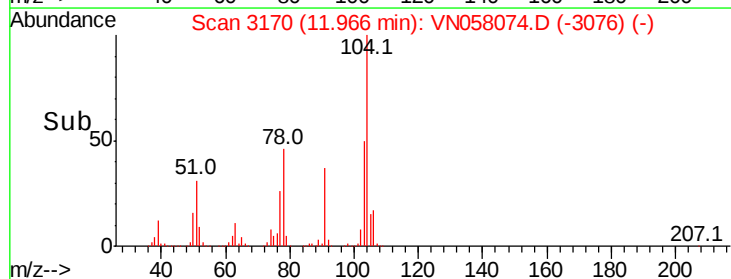
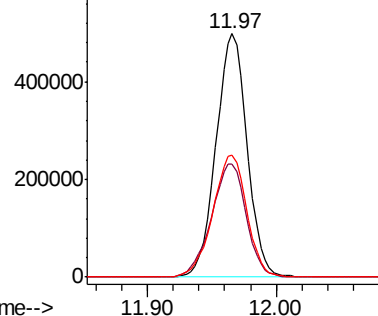


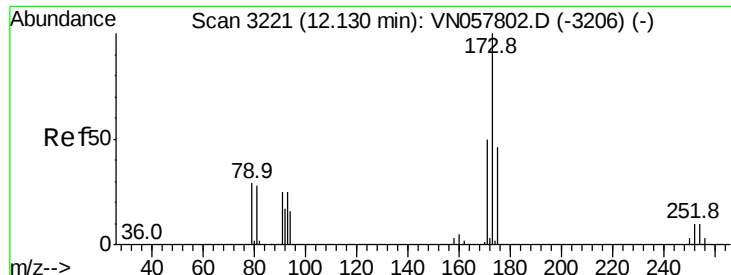
#70
Styrene
Concen: 55.985 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion:104 Resp: 836995
Ion Ratio Lower Upper
104 100
78 52.0 41.3 61.9
103 54.7 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 56.603 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

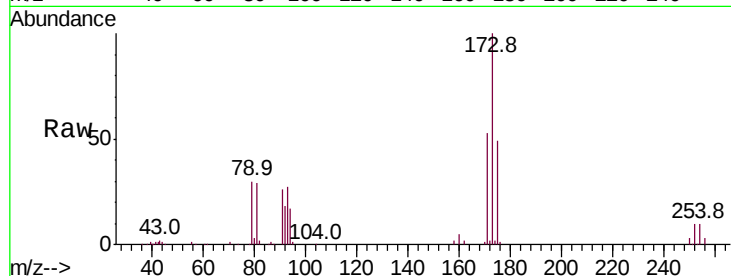
Tot Ion:173 Resp: 166683

Ion Ratio Lower Upper

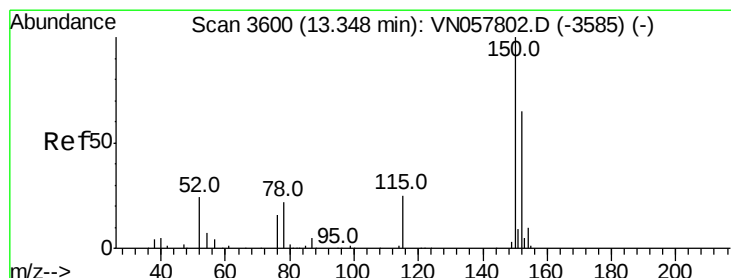
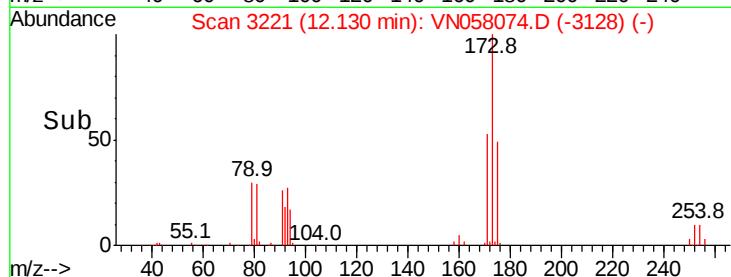
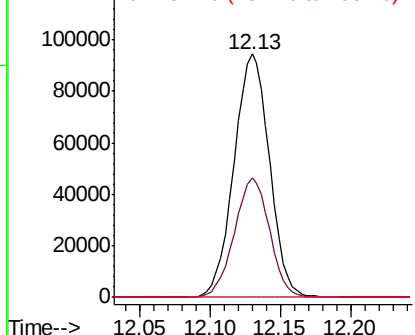
173 100

175 48.4 23.5 70.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

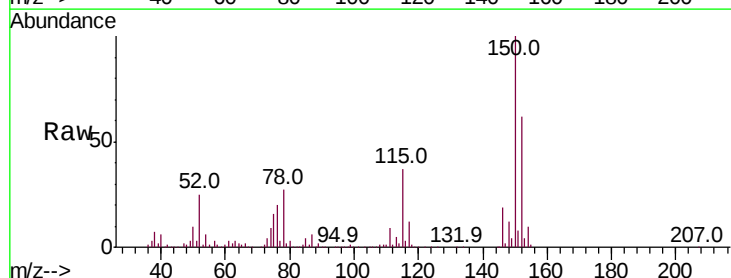
Tgt Ion:152 Resp: 324534

Ion Ratio Lower Upper

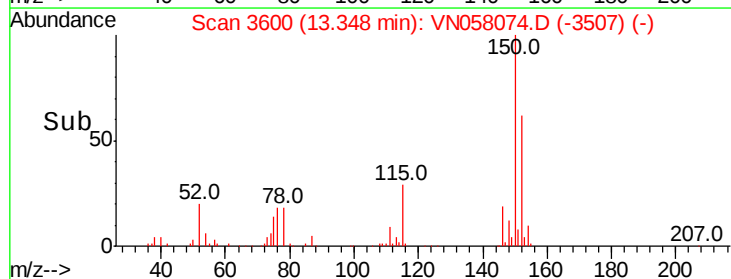
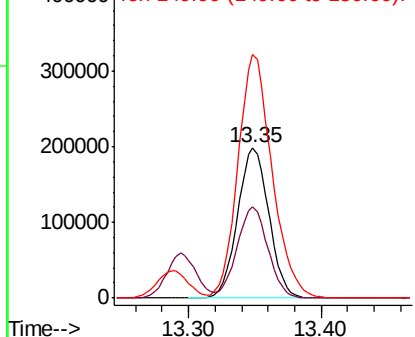
152 100

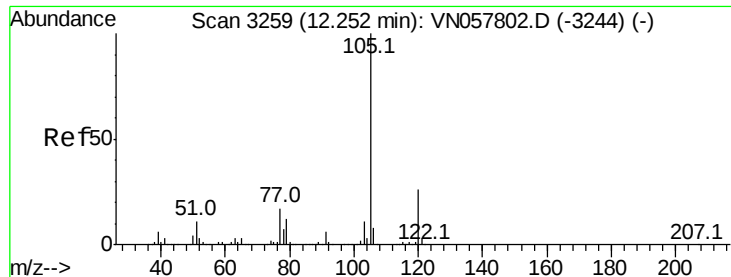
115 59.9 30.3 91.0

150 176.7 0.0 352.4



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: 52.961 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

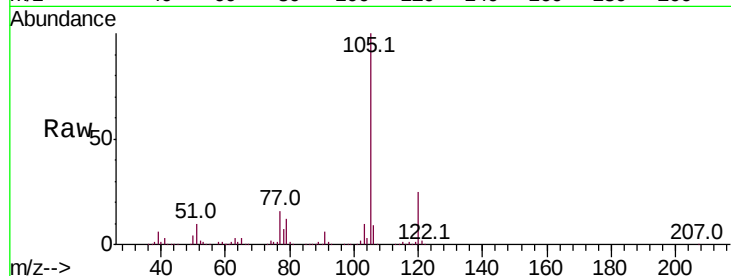
ClientSampleId :

Tot Ion:105 Resp: 1333721

Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

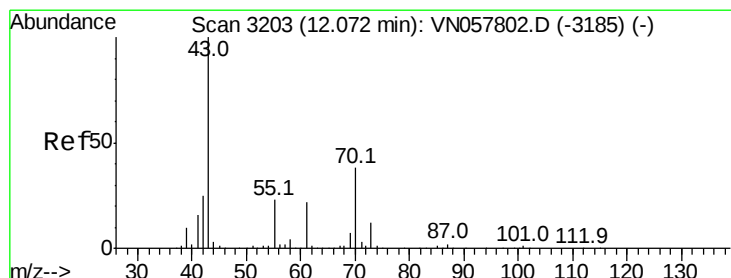
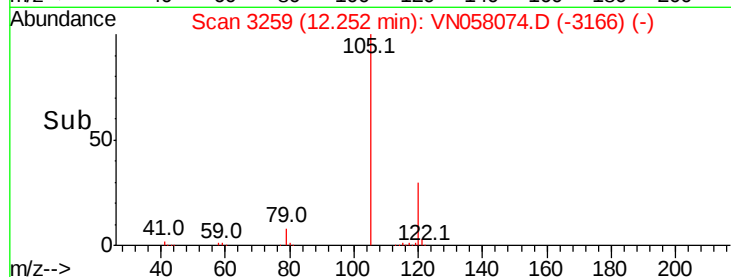
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 50.997 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tgt Ion: 43 Resp: 558904

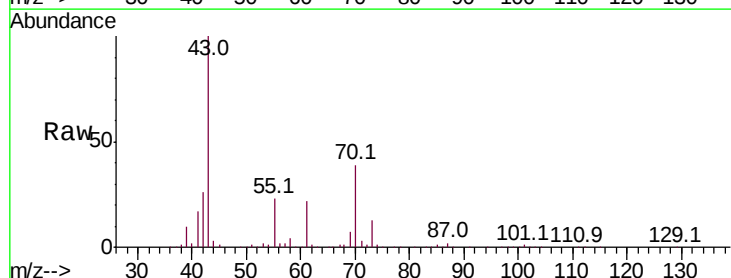
Ion Ratio Lower Upper

43 100

70 38.7 30.6 45.8

55 23.5 18.6 27.8

61 22.3 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

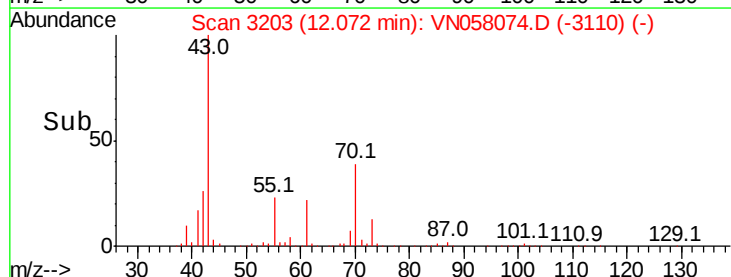
300000

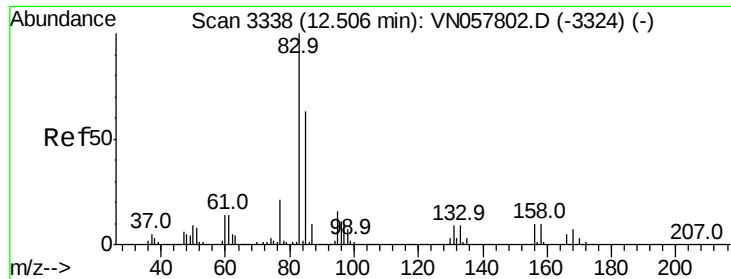
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.585 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

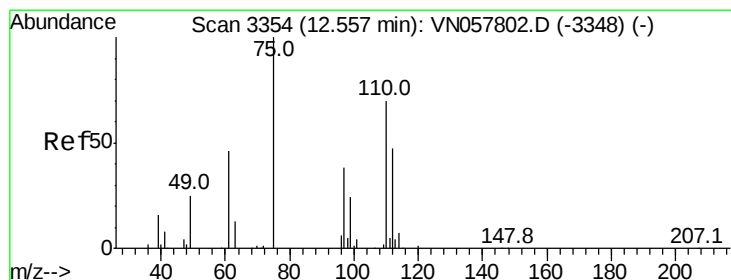
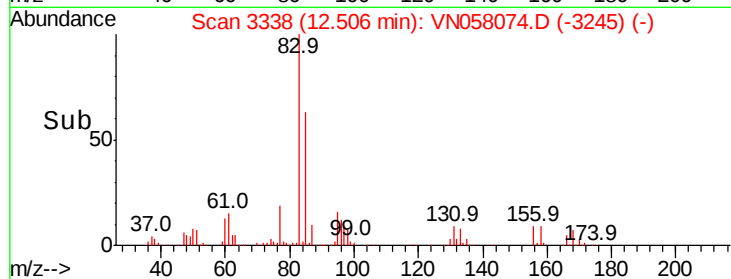
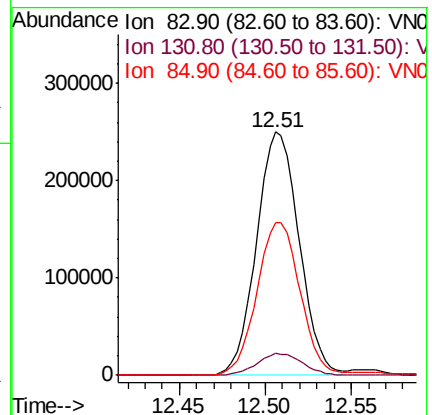
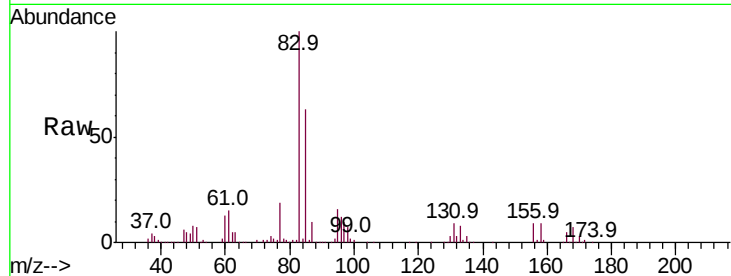
Tot Ion: 83 Resp: 428914

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	63.6	31.6	94.7

83 100

131 9.6 4.8 14.3

85 63.6 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 67.618 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058074.D

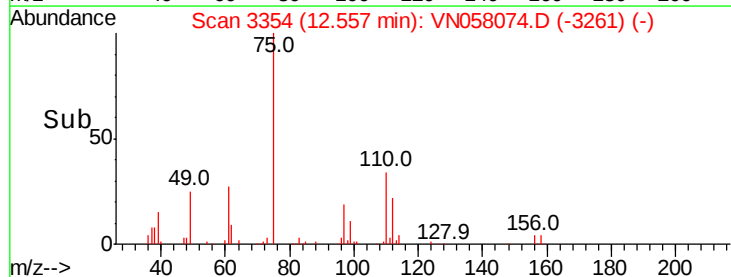
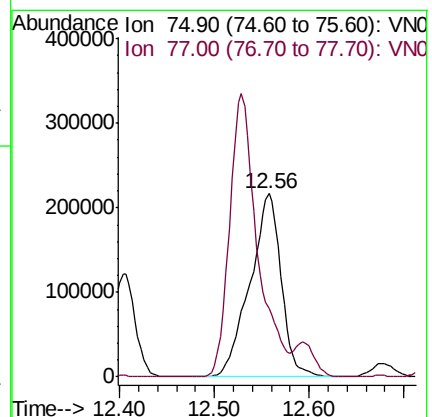
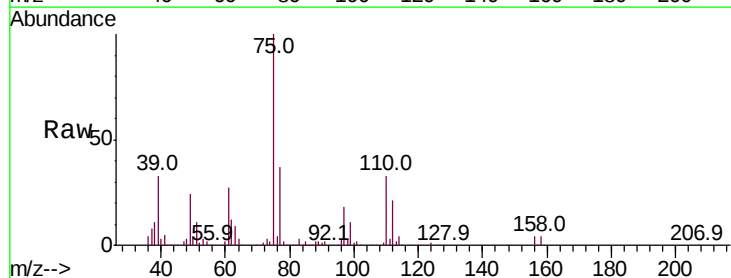
Acq: 14 Sep 2019 13:39

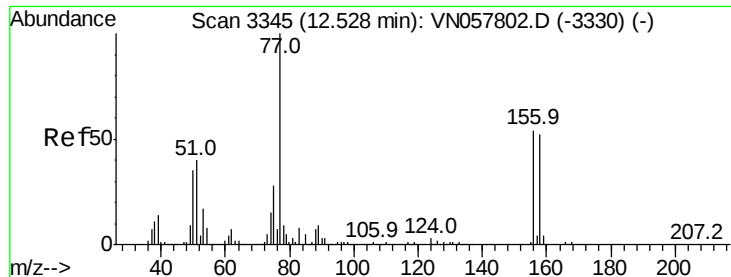
Tgt Ion: 75 Resp: 496419

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.818 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

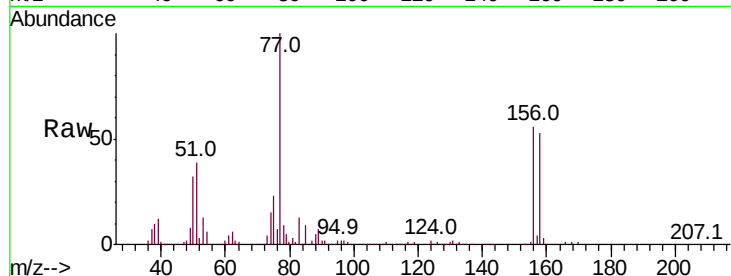
Tot Ion:156 Resp: 312786

Ion Ratio Lower Upper

156 100

77 220.2 113.7 341.1

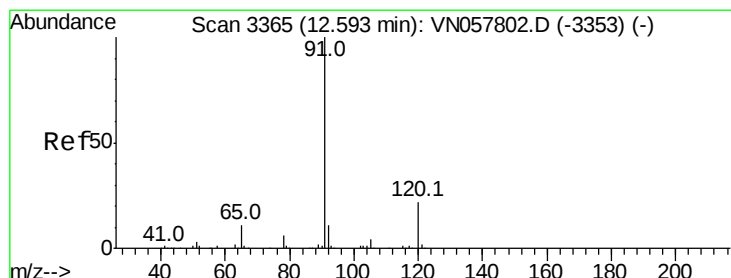
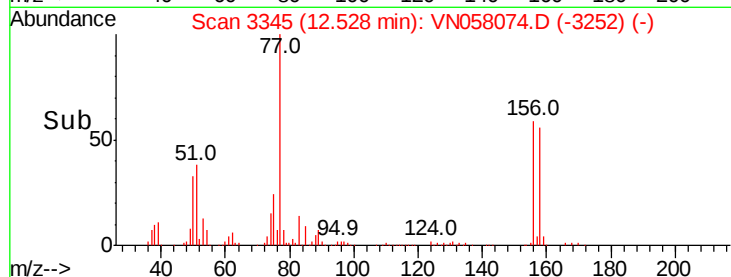
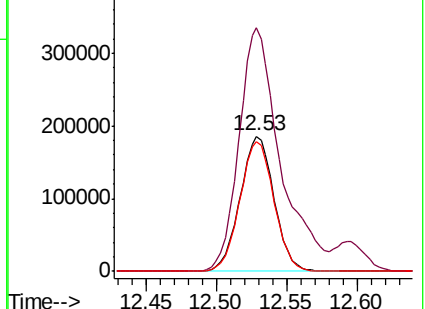
158 96.8 48.5 145.6



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: 53.433 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058074.D

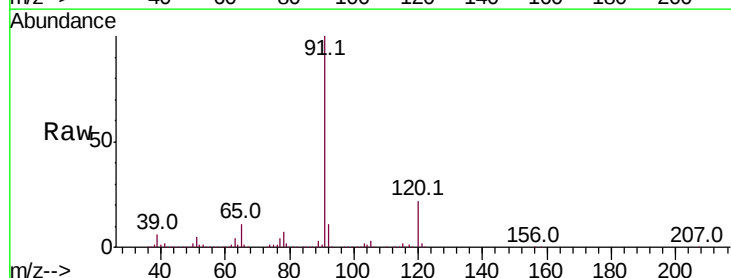
Acq: 14 Sep 2019 13:39

Tgt Ion: 91 Resp: 1545145

Ion Ratio Lower Upper

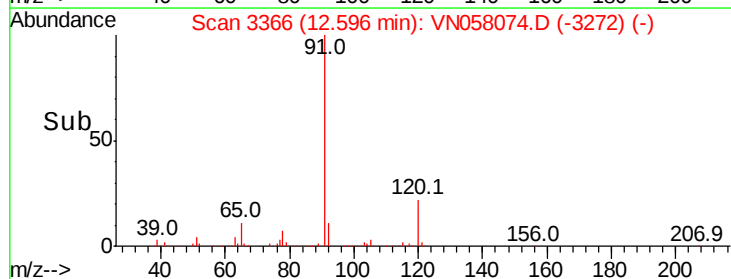
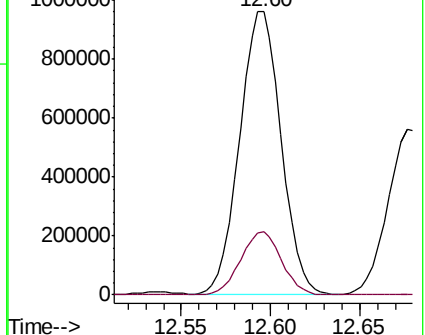
91 100

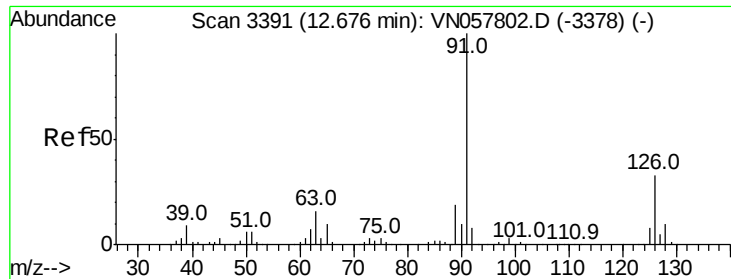
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

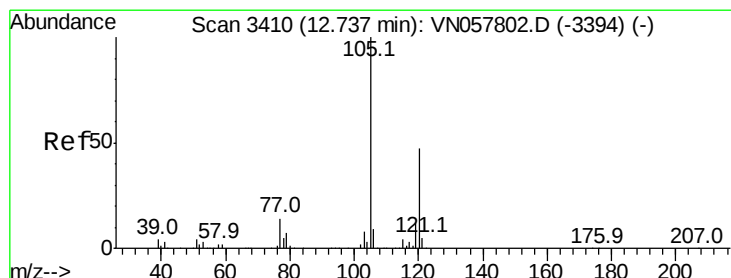
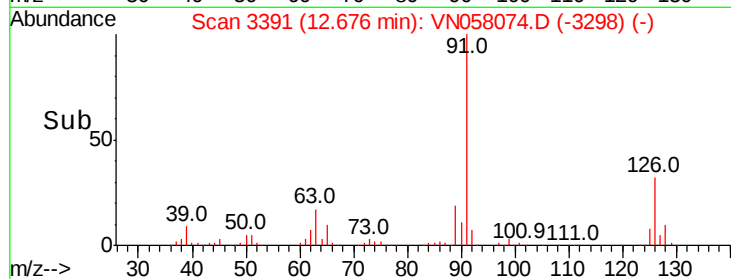
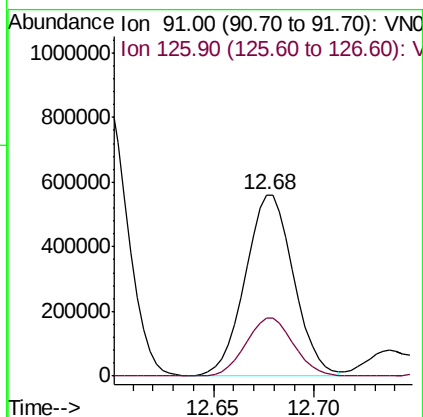
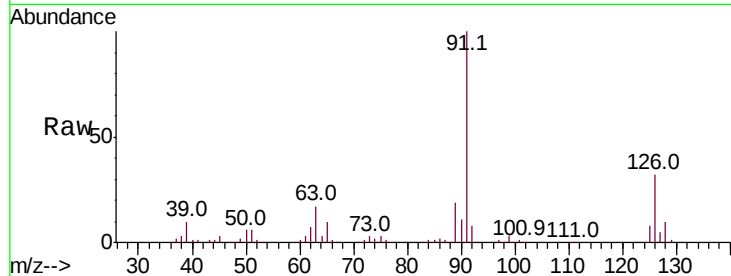




#79
 2-Chlorotoluene
 Concen: 51.132 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

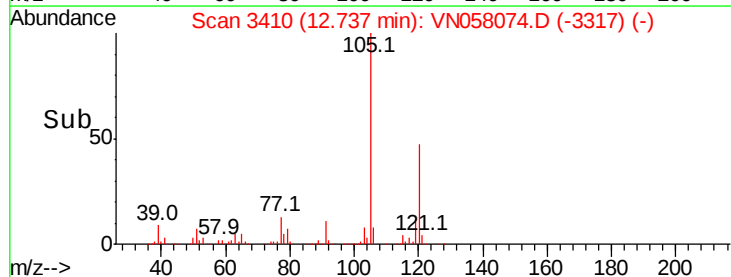
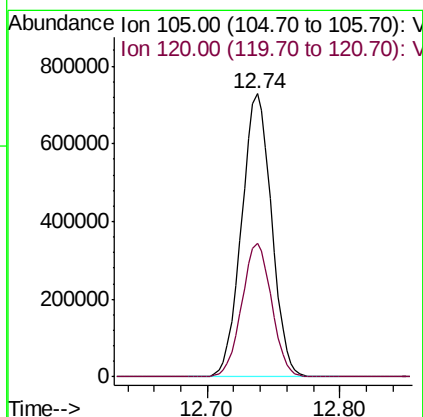
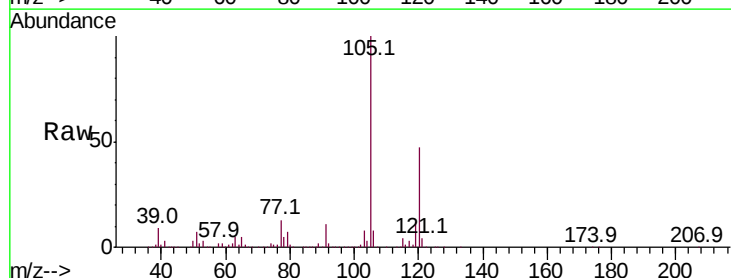
Instrument :
 MSVOA_N
 ClientSampleId :

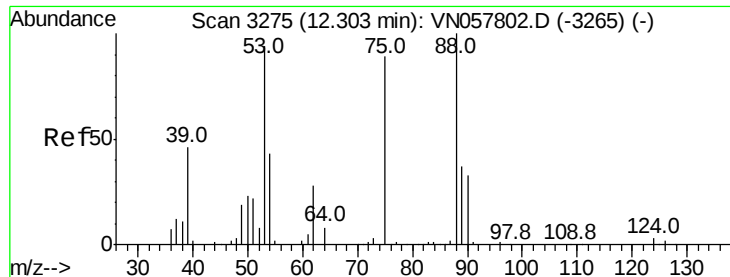
Tot Ion: 91 Resp: 934540
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 53.688 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion:105 Resp: 1142379
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 40.505 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

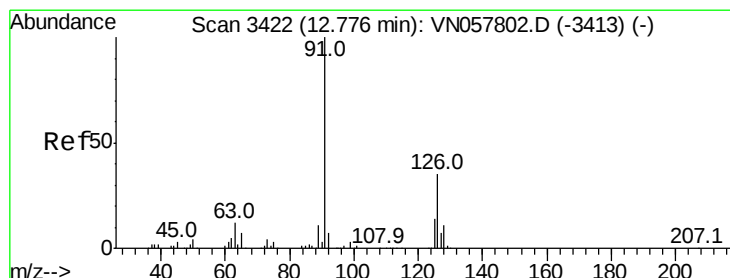
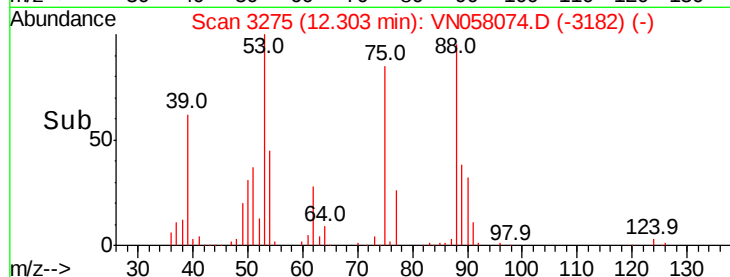
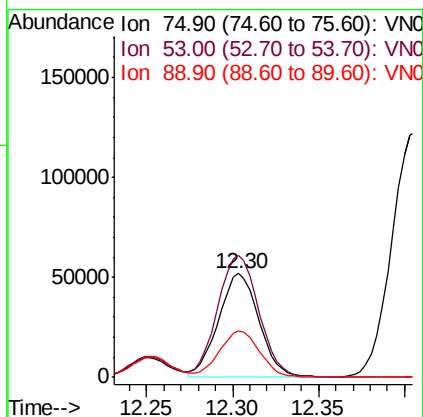
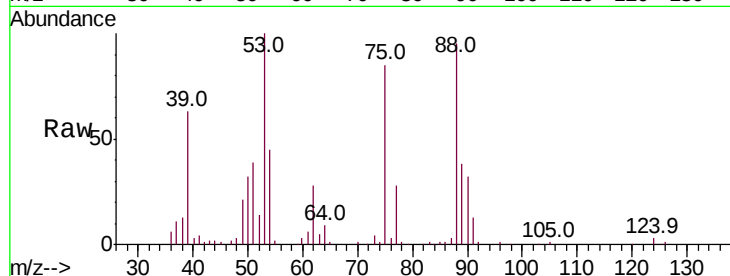
Tot Ion: 75 Resp: 84504

Ion Ratio Lower Upper

75 100

53 121.4 88.4 132.6

89 45.5 35.3 52.9



#82

4-Chlorotoluene

Concen: 51.905 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058074.D

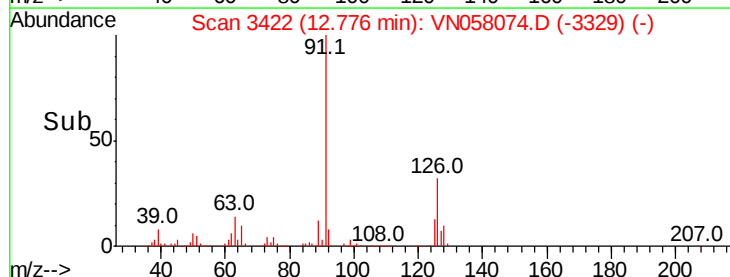
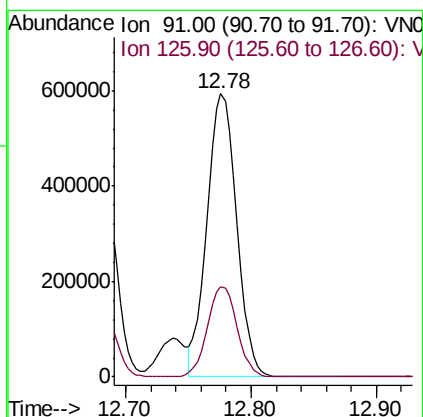
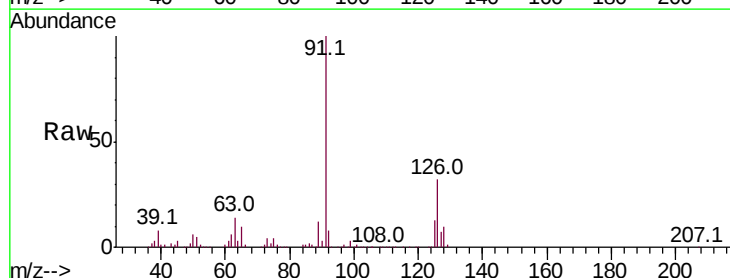
Acq: 14 Sep 2019 13:39

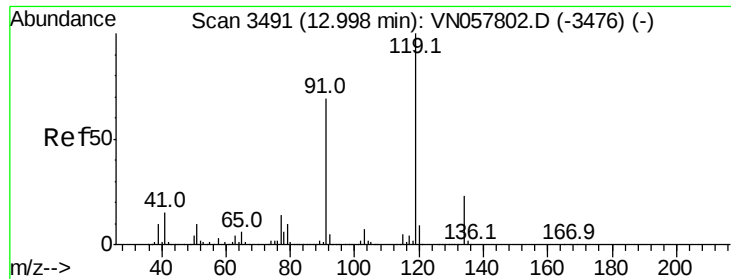
Tgt Ion: 91 Resp: 974208

Ion Ratio Lower Upper

91 100

126 32.0 16.0 48.0





#83

tert-Butylbenzene

Concen: 52.226 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

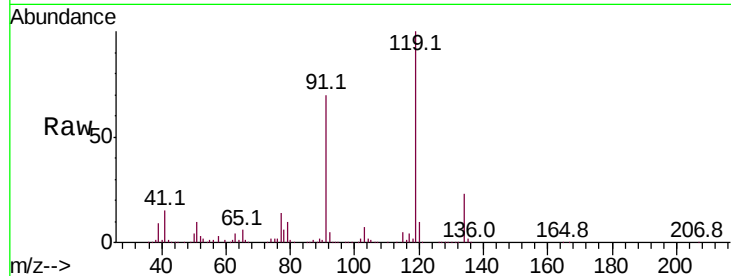
Tot Ion:119 Resp: 987810

Ion Ratio Lower Upper

119 100

91 69.1 33.6 100.8

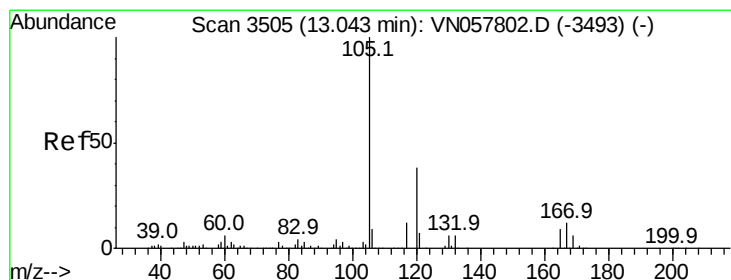
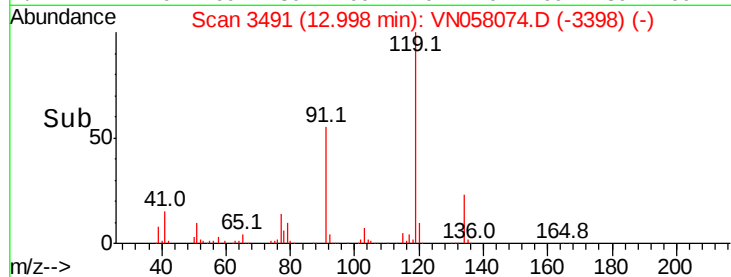
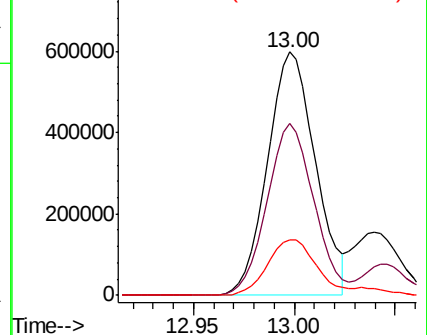
134 23.3 11.7 35.0



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: 53.668 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058074.D

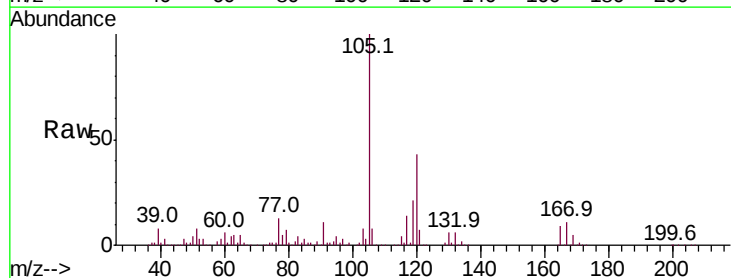
Acq: 14 Sep 2019 13:39

Tgt Ion:105 Resp: 1160611

Ion Ratio Lower Upper

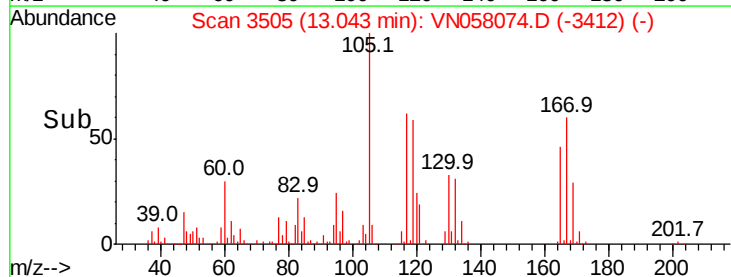
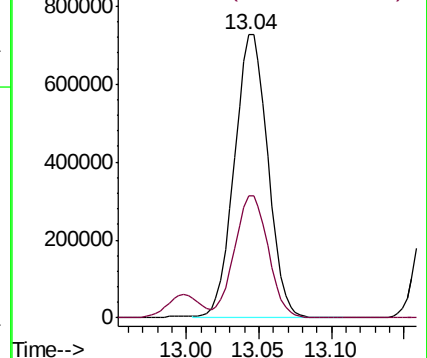
105 100

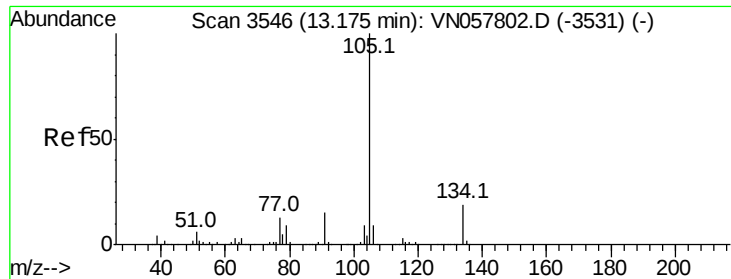
120 43.5 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.723 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

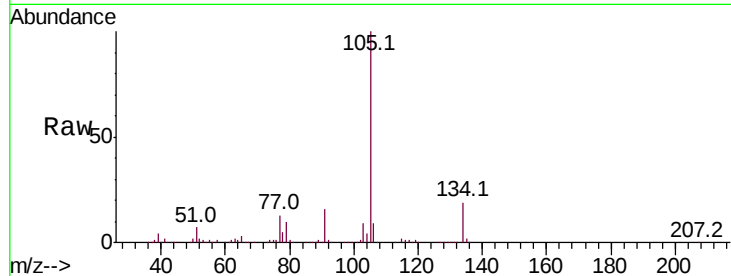
ClientSampleId :

Tot Ion:105 Resp: 1346792

Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

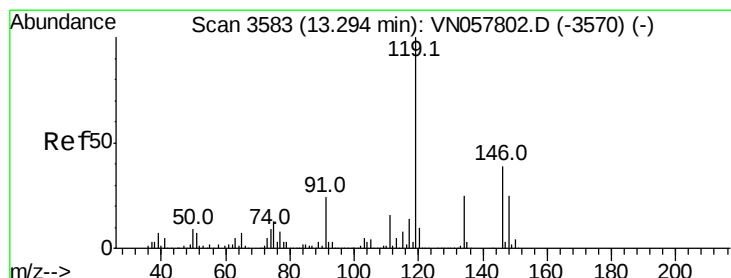
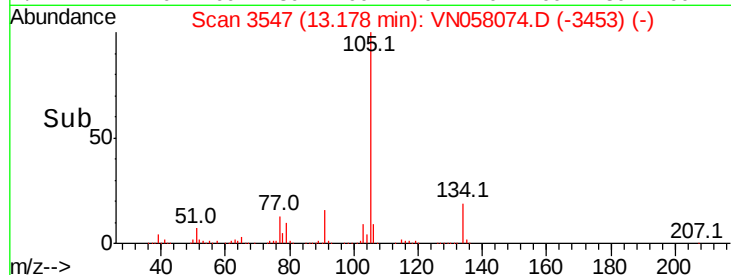
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 54.537 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

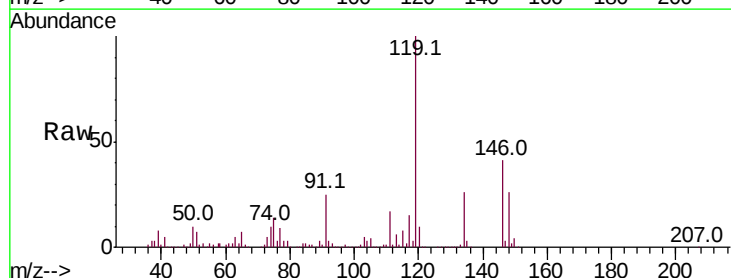
Tgt Ion:119 Resp: 1204642

Ion Ratio Lower Upper

119 100

134 25.6 12.5 37.5

91 24.8 12.3 36.8



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

1000000

800000

600000

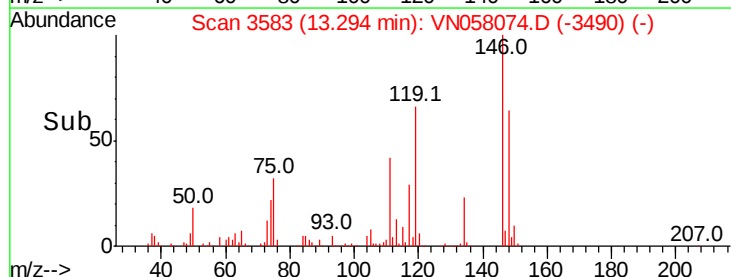
400000

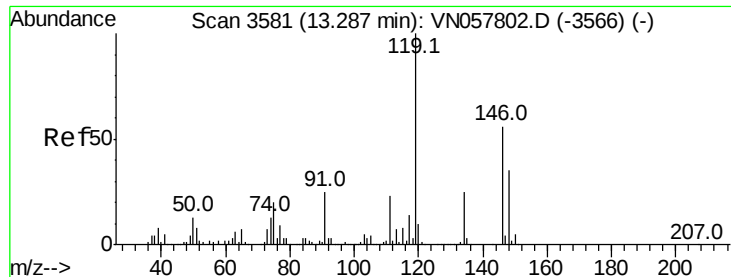
200000

0

13.20 13.25 13.30 13.35

Time-->

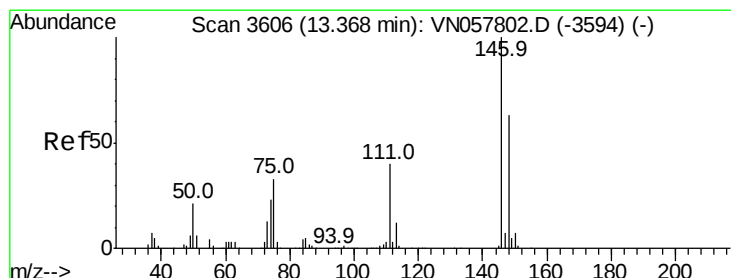
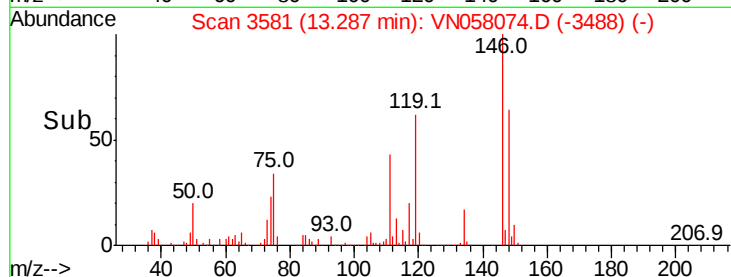
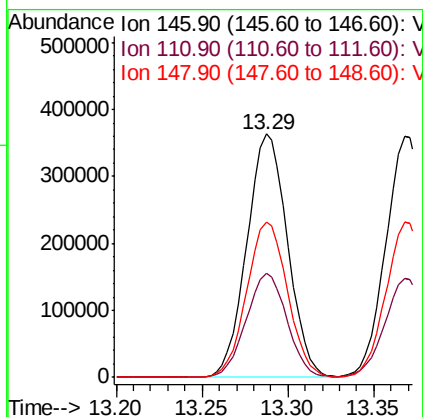
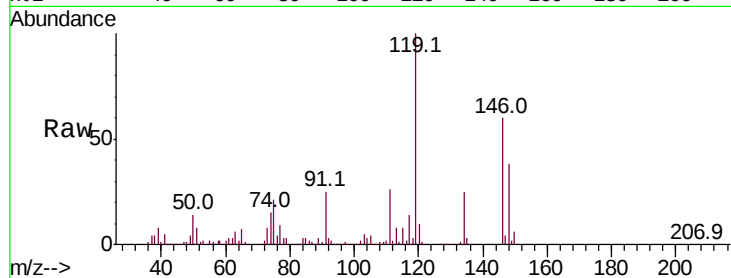




#87
 1,3-Dichlorobenzene
 Concen: 51.639 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

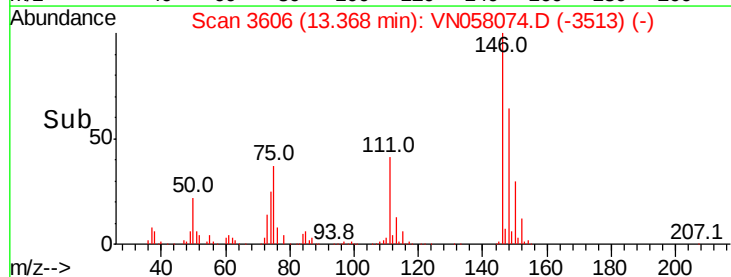
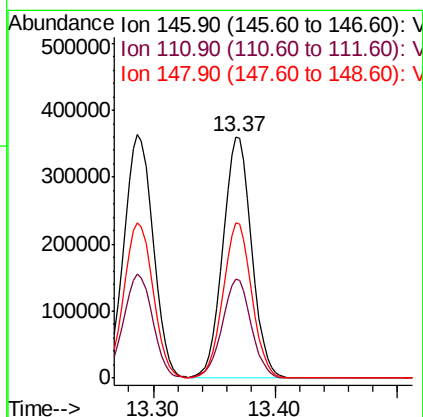
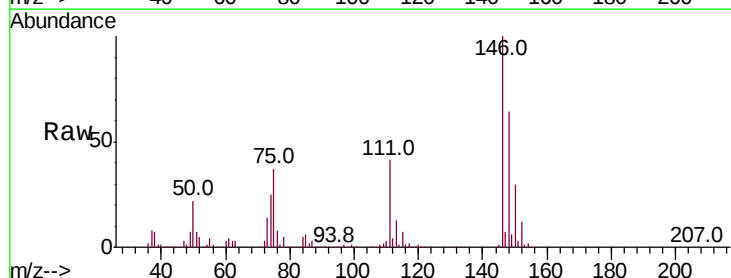
Instrument :
 MSVOA_N
 ClientSampleId :

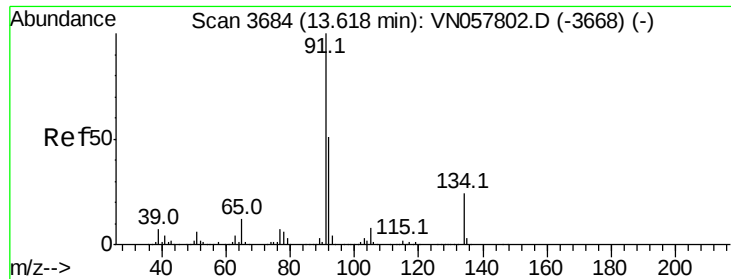
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.5	61.6
148	64.2	31.5	94.5



#88
 1,4-Dichlorobenzene
 Concen: 50.776 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.2
148	64.3	31.8	95.4

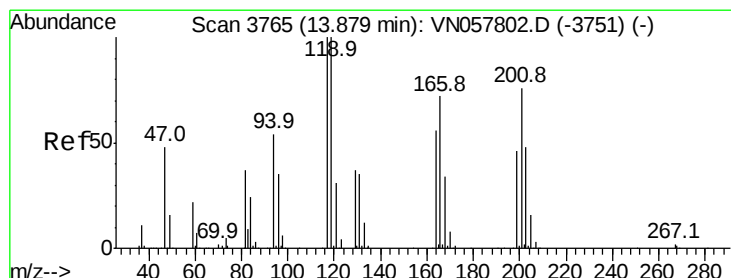
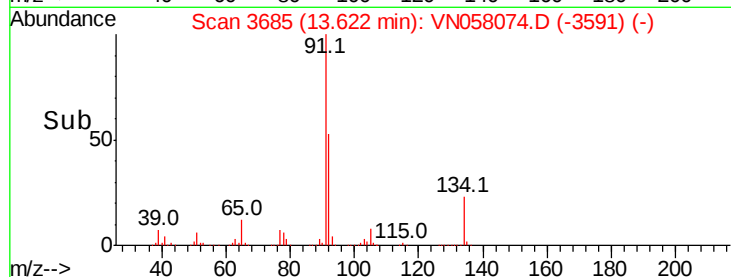
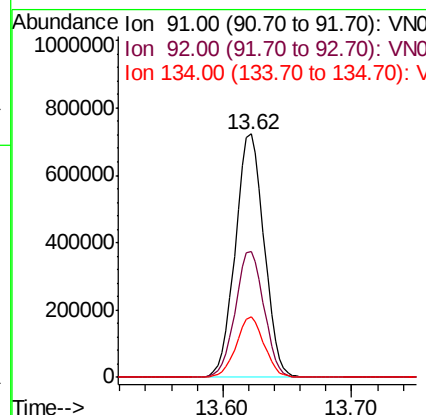
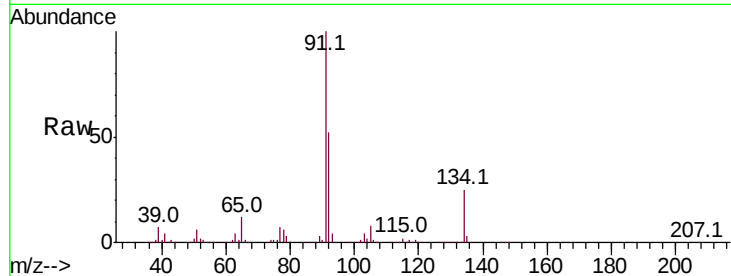




#89
n-Butylbenzene
Concen: 53.689 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

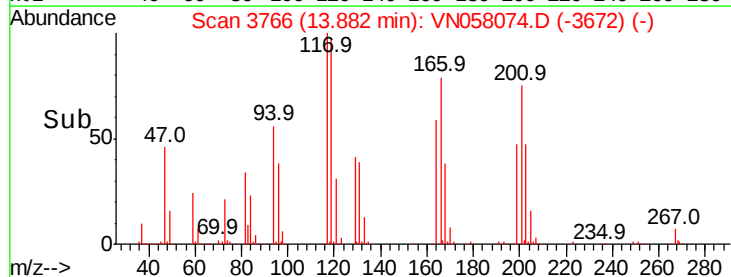
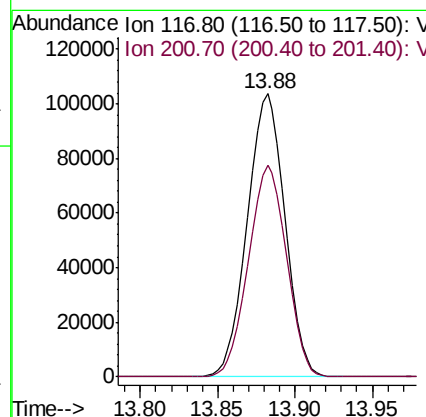
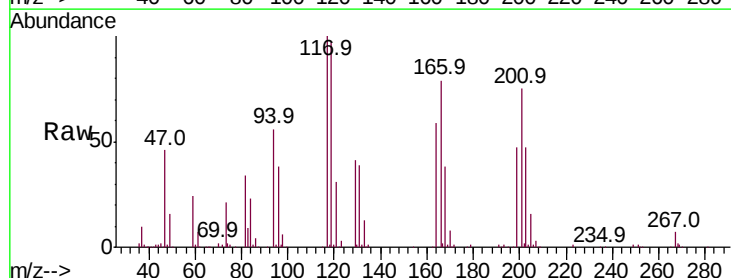
Instrument :
MSVOA_N
ClientSampled :

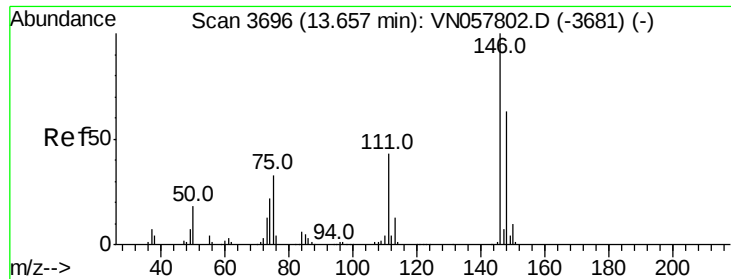
Tot Ion: 91 Resp: 1119925
Ion Ratio Lower Upper
91 100
92 51.6 25.7 77.0
134 24.1 11.9 35.7



#90
Hexachloroethane
Concen: 53.585 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 117 Resp: 176029
Ion Ratio Lower Upper
117 100
201 75.5 37.5 112.7





#91

1,2-Dichlorobenzene

Concen: 52.173 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

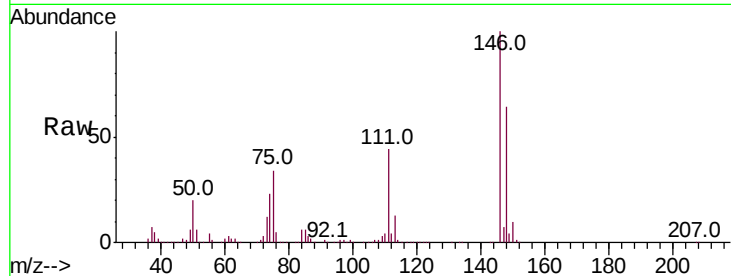
Tot Ion:146 Resp: 600688

Ion Ratio Lower Upper

146 100

111 43.6 21.3 63.9

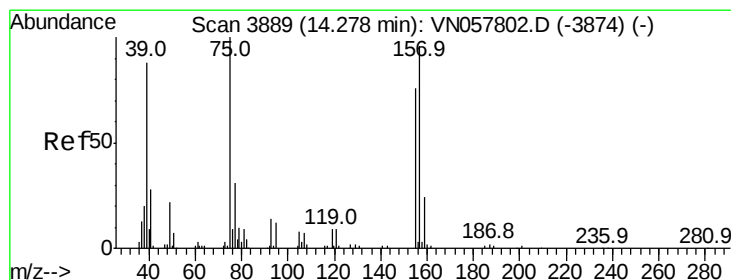
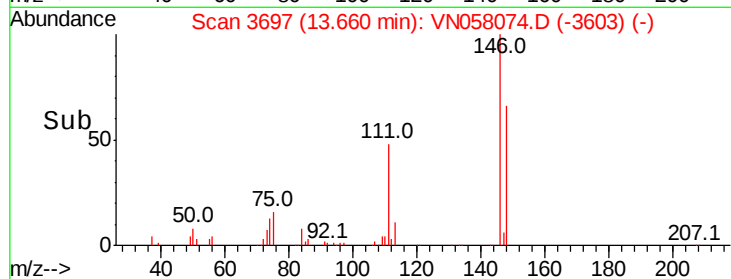
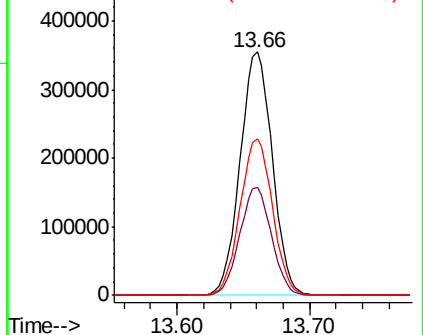
148 64.7 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.332 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

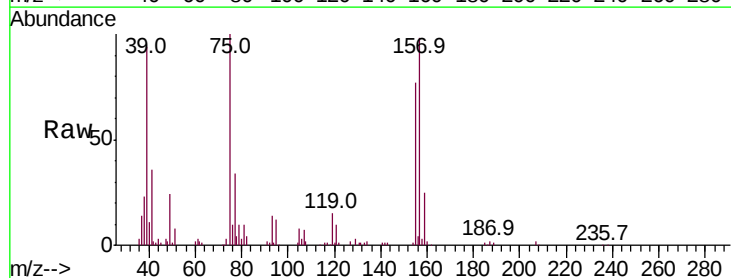
Tgt Ion: 75 Resp: 73279

Ion Ratio Lower Upper

75 100

155 77.4 37.3 111.8

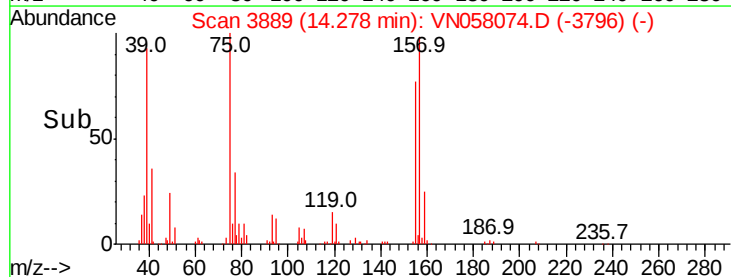
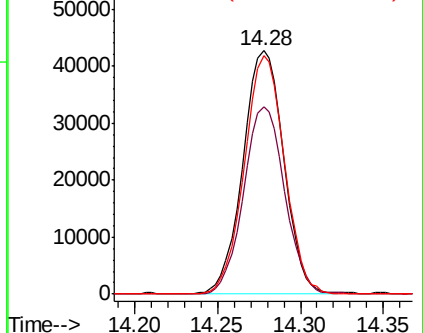
157 96.0 47.9 143.8

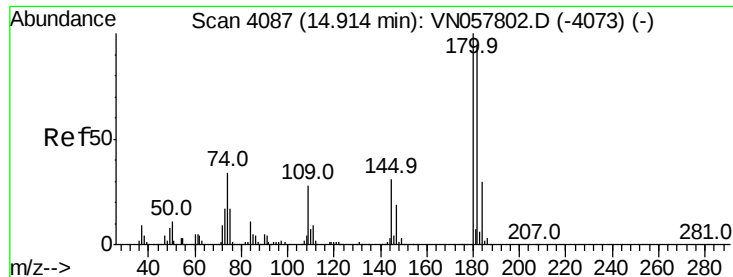


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

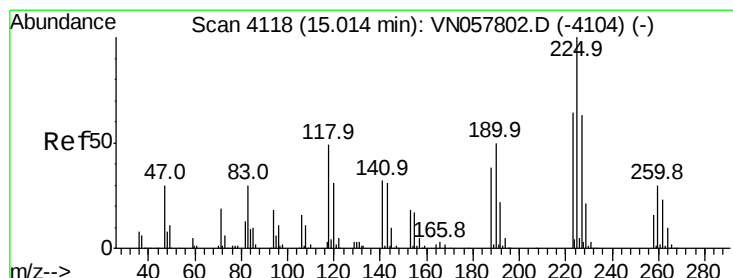
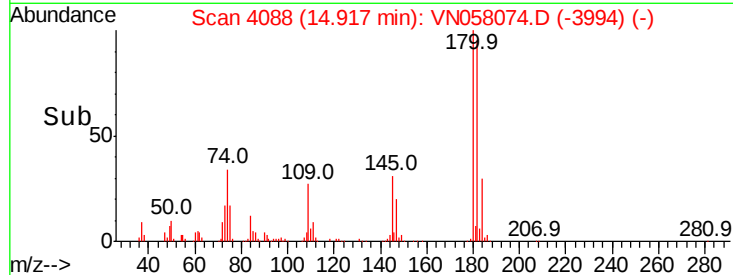
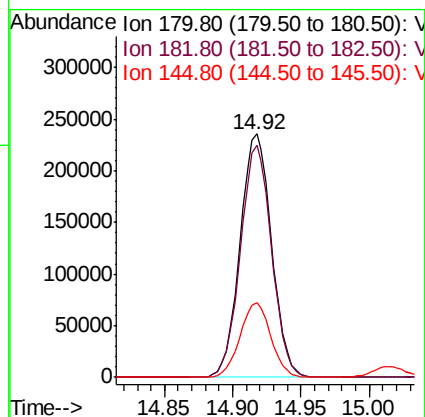
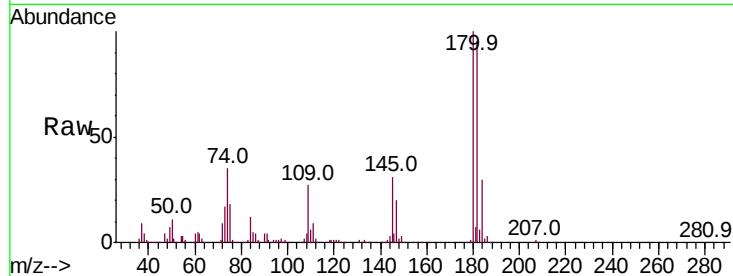




#93
 1,2,4-Trichlorobenzene
 Concen: 50.045 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

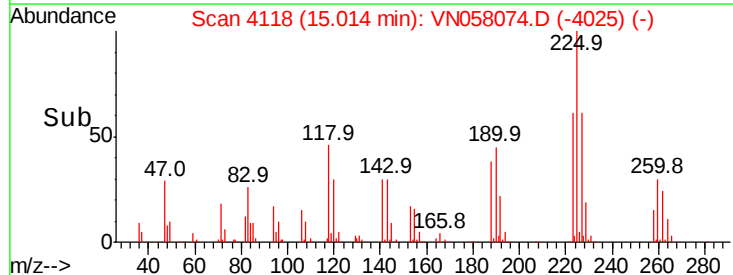
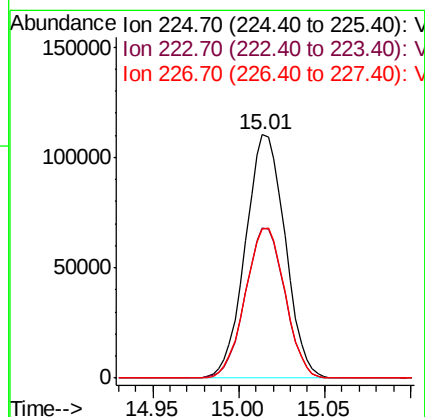
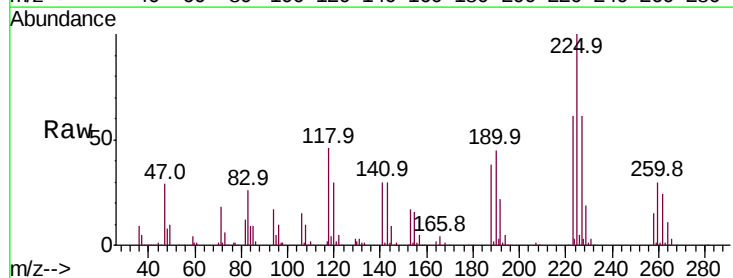
Instrument :
 MSVOA_N
 ClientSampled :

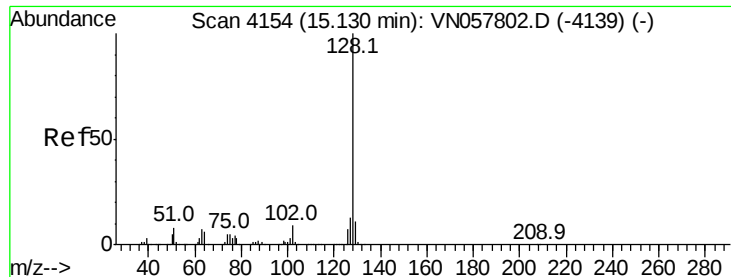
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.9	140.8
145	30.2	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 55.271 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.4	97.2
227	61.8	31.8	95.4





#95

Naphthalene

Concen: 53.049 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

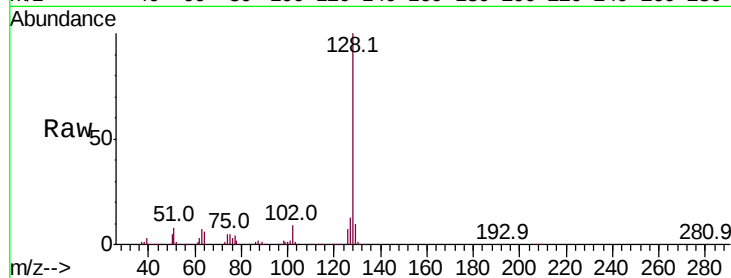
Tot Ion:128 Resp: 1006013

Ion Ratio Lower Upper

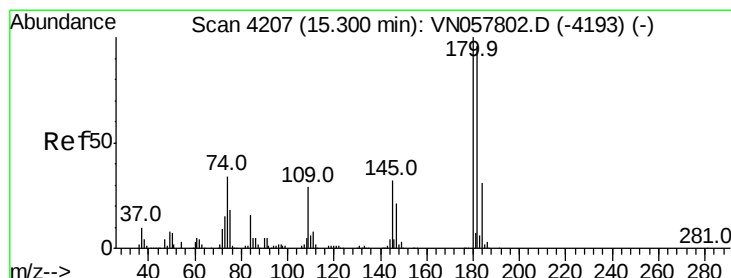
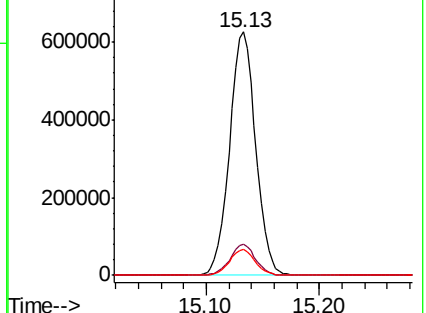
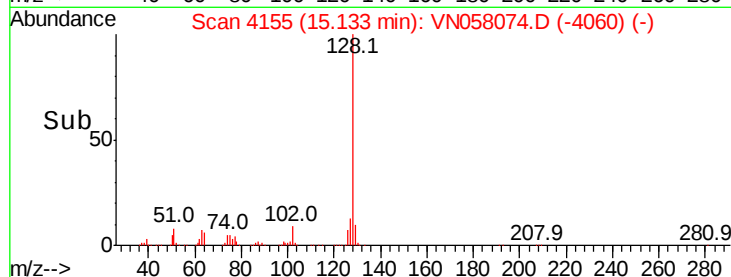
128 100

127 12.5 10.3 15.5

129 10.5 8.6 12.8



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: 52.222 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

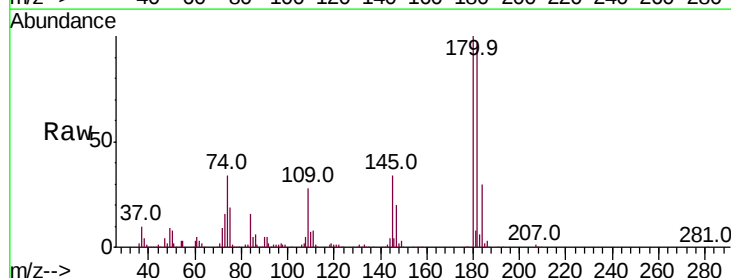
Tgt Ion:180 Resp: 343381

Ion Ratio Lower Upper

180 100

182 96.3 48.3 144.8

145 33.3 16.3 48.8



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

