

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055504.D
 Acq On : 9 May 2019 18:09
 Operator : JC/SP
 Sample : VN0509WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:15:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	707701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1260830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1086754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	411468	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	550246	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
35) Dibromofluoromethane	7.59	113	416014	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	10.09	98	1628449	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.40	95	522859	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	137585	19.095	ug/l	97
3) Chloromethane	2.06	50	223116	19.061	ug/l	99
4) Vinyl Chloride	2.19	62	221624	20.057	ug/l	98
5) Bromomethane	2.55	94	76599	12.652	ug/l	97
6) Chloroethane	2.70	64	135017	20.978	ug/l	99
7) Trichlorofluoromethane	3.02	101	251151	20.719	ug/l	99
8) Diethyl Ether	3.41	74	113497	20.848	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154218	19.996	ug/l	99
10) Methyl Iodide	3.95	142	107380	10.301	ug/l	99
11) Tert butyl alcohol	4.82	59	136512	86.767	ug/l	99
12) 1,1-Dichloroethene	3.73	96	159062	20.565	ug/l	99
13) Acrolein	3.61	56	88632	84.528	ug/l	99
14) Allyl chloride	4.32	41	302956	19.121	ug/l	98
15) Acrylonitrile	4.99	53	485327	99.621	ug/l	100
16) Acetone	3.82	43	395072	80.073	ug/l	99
17) Carbon Disulfide	4.05	76	423520	20.062	ug/l	99
18) Methyl Acetate	4.33	43	206077	19.223	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	523176	20.356	ug/l	98
20) Methylene Chloride	4.55	84	198892	19.714	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	172197	20.534	ug/l	91
22) Diisopropyl ether	5.96	45	655644	20.363	ug/l	95
23) Vinyl Acetate	5.90	43	2519582	101.187	ug/l	100
24) 1,1-Dichloroethane	5.85	63	354534	20.398	ug/l	99
25) 2-Butanone	6.84	43	635605	93.258	ug/l	98
26) 2,2-Dichloropropane	6.83	77	188341	17.383	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	203163	20.962	ug/l	97
28) Bromochloromethane	7.20	49	202886	22.477	ug/l	97
29) Tetrahydrofuran	7.22	42	438189	97.253	ug/l	99
30) Chloroform	7.37	83	324935	20.223	ug/l	97
31) Cyclohexane	7.65	56	340361	19.792	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	251870	20.585	ug/l	100
36) 1,1-Dichloropropene	7.79	75	244393	19.675	ug/l	98
37) Ethyl Acetate	6.93	43	261419	19.293	ug/l	99
38) Carbon Tetrachloride	7.77	117	204624	19.564	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	286677	18.929	ug/l	98
40) Benzene	8.04	78	782864	20.307	ug/l	99
41) Methacrylonitrile	7.18	41	117900	18.747	ug/l	91
42) 1,2-Dichloroethane	8.13	62	270061	19.940	ug/l	98
43) Isopropyl Acetate	8.17	43	403575	19.605	ug/l	99
44) Trichloroethene	8.84	130	181346	19.770	ug/l	97
45) 1,2-Dichloropropane	9.12	63	221664	20.096	ug/l	100
46) Dibromomethane	9.21	93	126333	19.759	ug/l	97
47) Bromodichloromethane	9.40	83	240200	19.638	ug/l	98
48) Methyl methacrylate	9.20	41	191249	19.283	ug/l	100
49) 1,4-Dioxane	9.20	88	67328	348.296	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1281525	94.657	ug/l	100
52) Toluene	10.16	92	449046	20.375	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	225937	19.233	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	277478	19.767	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	179392	20.090	ug/l	98
56) Ethyl methacrylate	10.43	69	254556	19.165	ug/l	99
57) 1,3-Dichloropropane	10.71	76	320815	20.237	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	342627	85.306	ug/l	100
59) 2-Hexanone	10.75	43	869330	91.560	ug/l	99
60) Dibromochloromethane	10.90	129	160591	19.780	ug/l	99
61) 1,2-Dibromoethane	11.00	107	169439	19.749	ug/l	98
64) Tetrachloroethene	10.63	164	168778	18.953	ug/l	95
65) Chlorobenzene	11.43	112	451084	20.175	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	155226	20.166	ug/l	99
67) Ethyl Benzene	11.51	91	825269	19.653	ug/l	100
68) m/p-Xylenes	11.62	106	603151	40.024	ug/l	99
69) o-Xylene	11.95	106	305342	20.615	ug/l	96
70) Styrene	11.96	104	481055	20.272	ug/l	99
71) Bromoform	12.13	173	102771	19.786	ug/l #	99
73) Isopropylbenzene	12.25	105	784619	21.709	ug/l	100
74) N-amyl acetate	12.07	43	302985	19.395	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	256854	21.910	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	291107	25.988	ug/l #	100
77) Bromobenzene	12.53	156	180561	19.912	ug/l	95
78) n-propylbenzene	12.59	91	872248	19.764	ug/l	99
79) 2-Chlorotoluene	12.67	91	535284	19.462	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	647676	19.682	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	48623	16.017	ug/l	90
82) 4-Chlorotoluene	12.77	91	507709	19.536	ug/l	99
83) tert-Butylbenzene	12.99	119	563680	19.984	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	604264	20.022	ug/l	99
85) sec-Butylbenzene	13.17	105	728281	19.428	ug/l	99
86) p-Isopropyltoluene	13.29	119	599945	19.665	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	284734	20.321	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	272587	19.712	ug/l	99
89) n-Butylbenzene	13.61	91	433410	18.328	ug/l	99
90) Hexachloroethane	13.87	117	93868	18.862	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	285899	20.415	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34794	18.389	ug/l	96

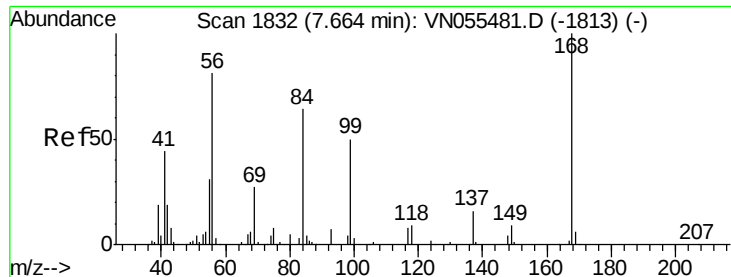
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	90384	17.078	ug/l	98
94) Hexachlorobutadiene	15.01	225	90280	20.406	ug/l	99
95) Naphthalene	15.13	128	250460	16.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	104725	17.515	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

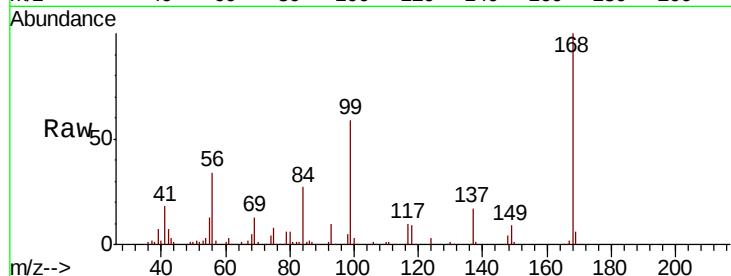
ClientSampled :

Tot Ion:168 Resp: 707701

Ion Ratio Lower Upper

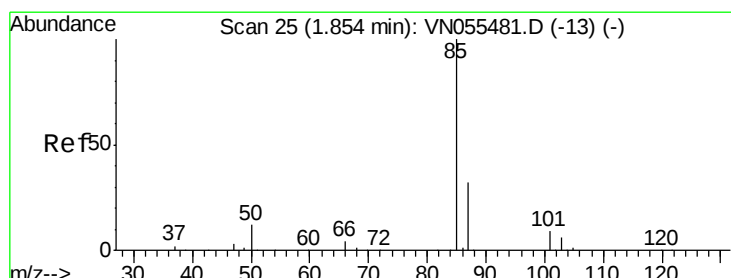
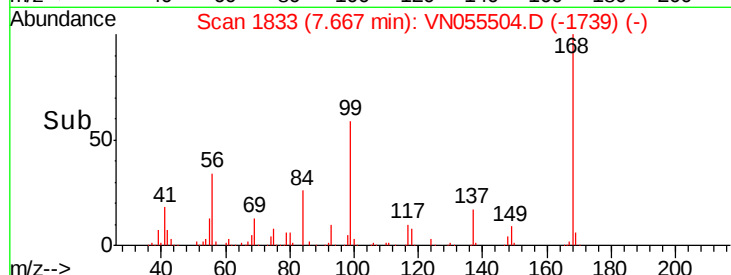
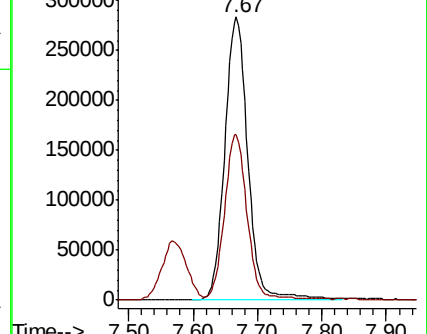
168 100

99 58.3 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.095 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055504.D

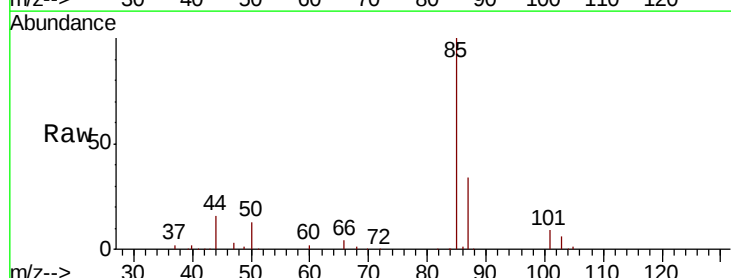
Acq: 9 May 2019 18:09

Tgt Ion: 85 Resp: 137585

Ion Ratio Lower Upper

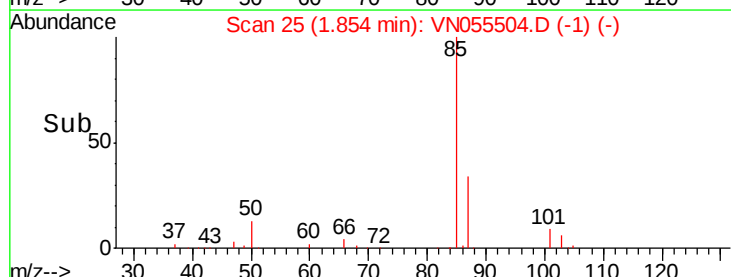
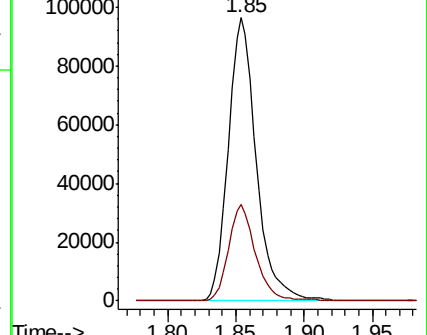
85 100

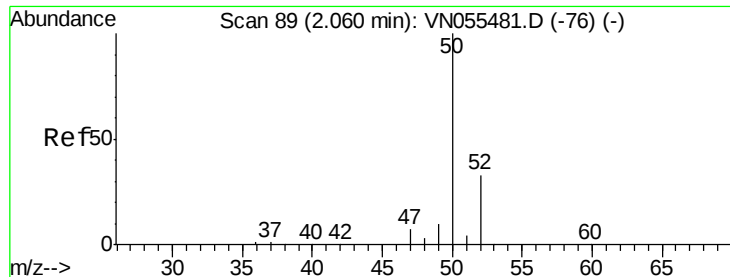
87 33.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.061 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

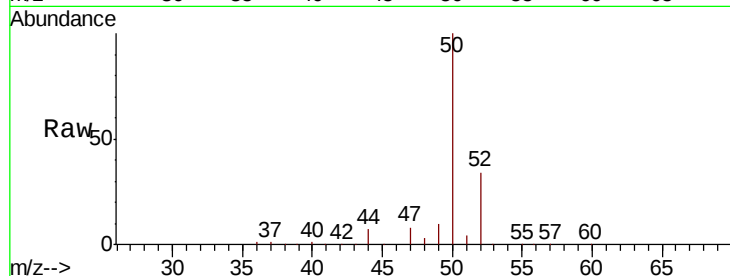
ClientSampled :

Tot Ion: 50 Resp: 223116

Ion Ratio Lower Upper

50 100

52 33.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN055504.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN055504.D (-1) (-)

2.06

150000

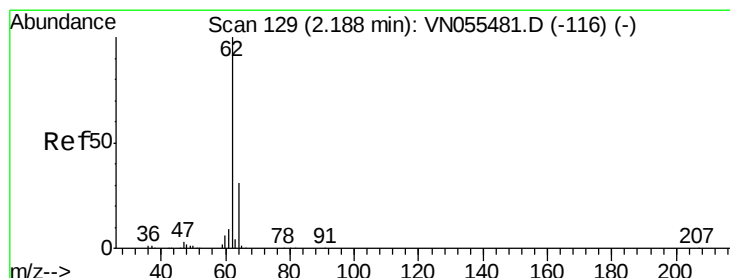
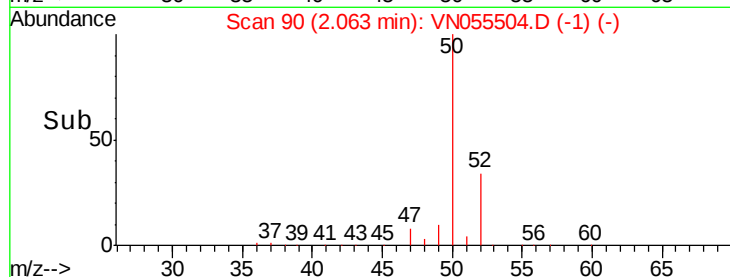
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 20.057 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055504.D

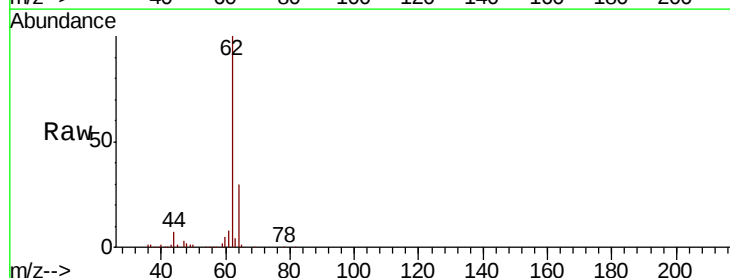
Acq: 9 May 2019 18:09

Tgt Ion: 62 Resp: 221624

Ion Ratio Lower Upper

62 100

64 30.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN055504.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN055504.D (-36) (-)

2.19

150000

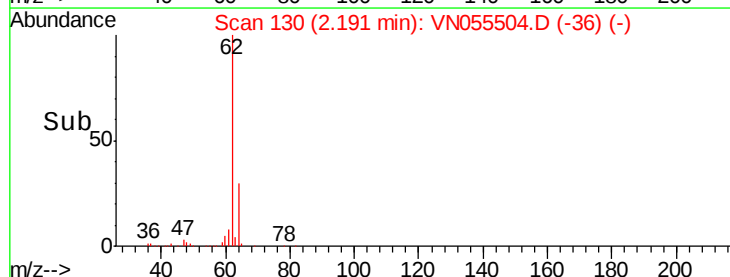
100000

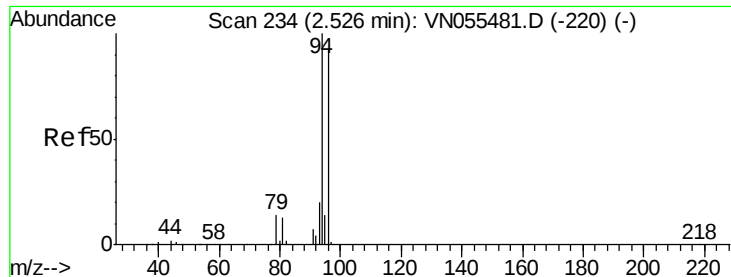
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 12.652 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

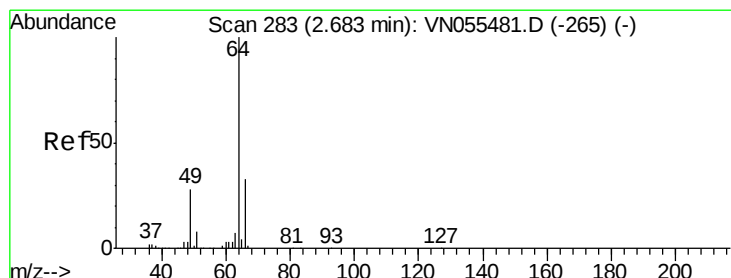
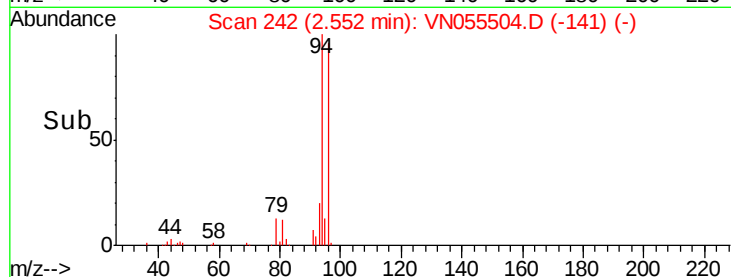
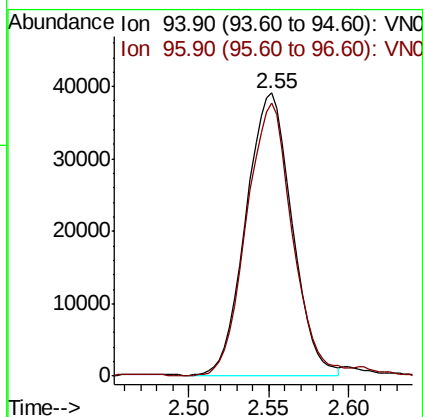
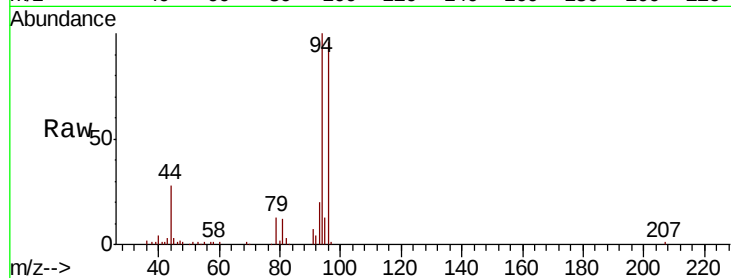
ClientSampleId :

Tot Ion: 94 Resp: 76599

Ion Ratio Lower Upper

94 100

96 96.7 74.8 112.2



#6

Chloroethane

Concen: 20.978 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.02 min

Lab File: VN055504.D

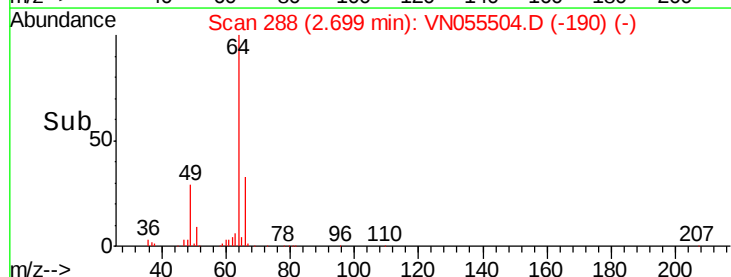
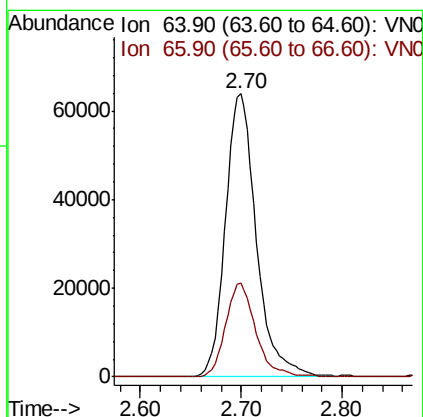
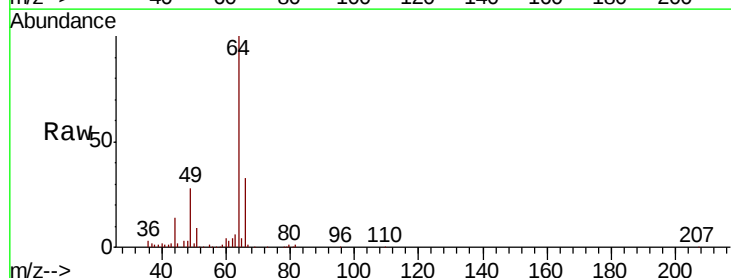
Acq: 9 May 2019 18:09

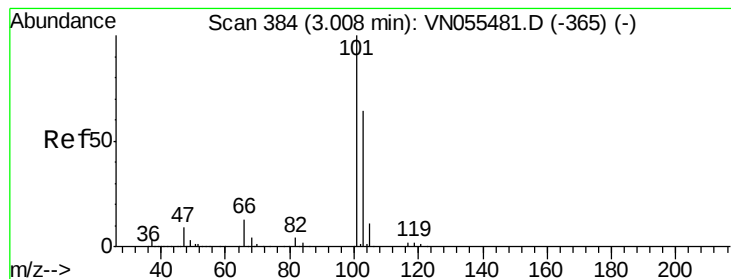
Tgt Ion: 64 Resp: 135017

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.2



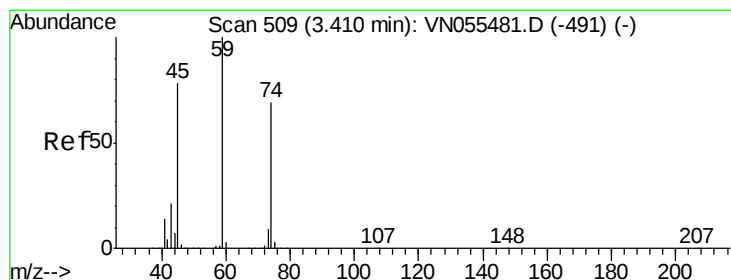
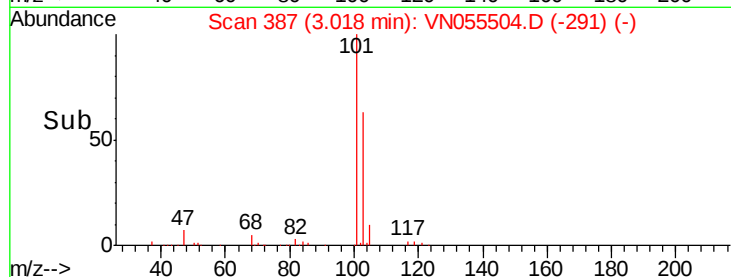
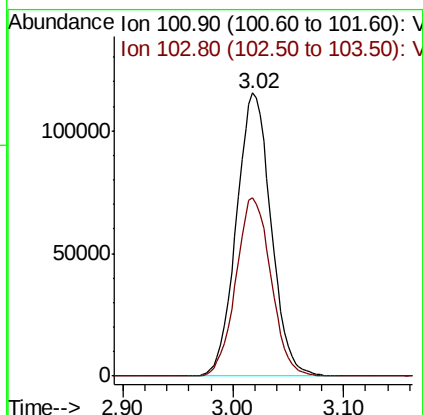
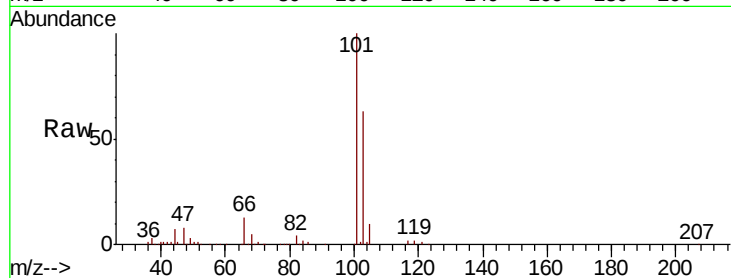


#7

Trichlorofluoromethane
 Concen: 20.719 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampled :

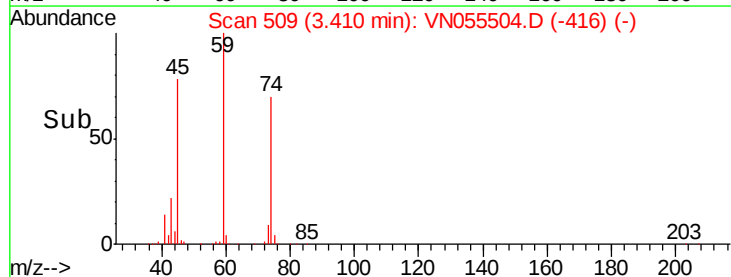
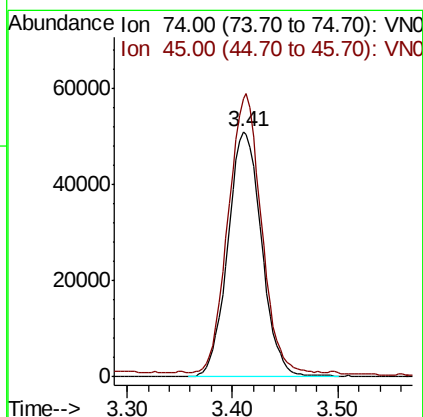
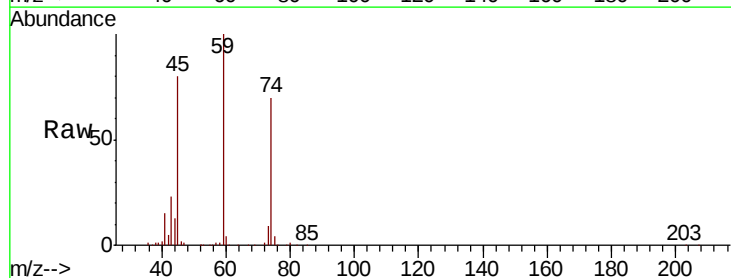
Tot Ion:101 Resp: 251151
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.2 76.8

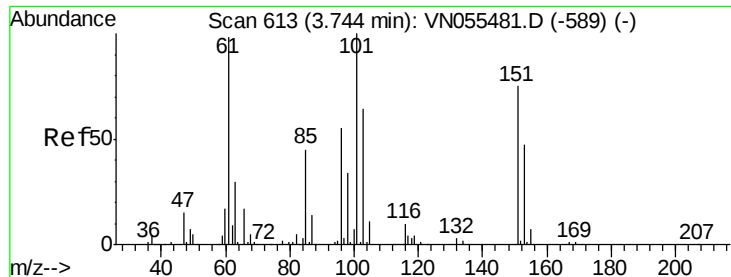


#8

Diethyl Ether
 Concen: 20.848 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion: 74 Resp: 113497
 Ion Ratio Lower Upper
 74 100
 45 110.5 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.996 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

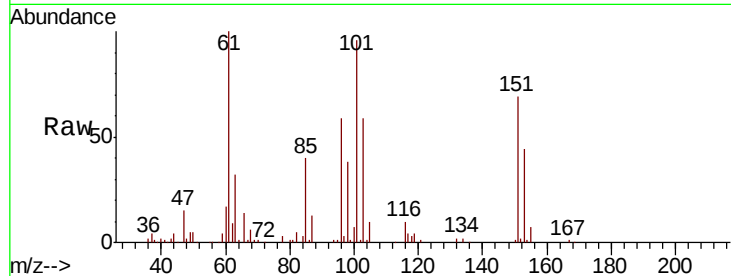
Tot Ion:101 Resp: 154218

Ion Ratio Lower Upper

101 100

85 43.0 35.5 53.3

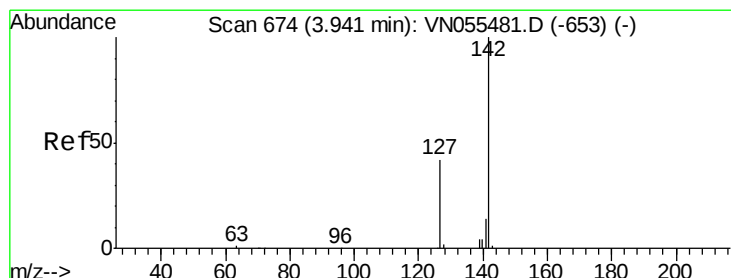
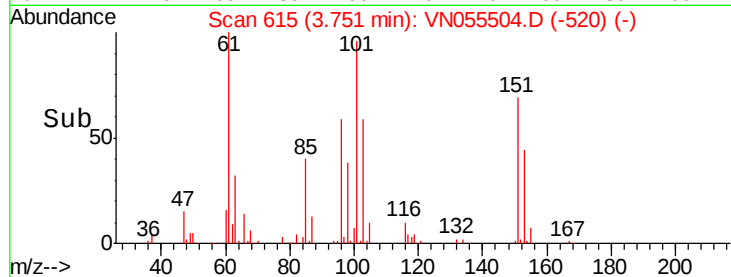
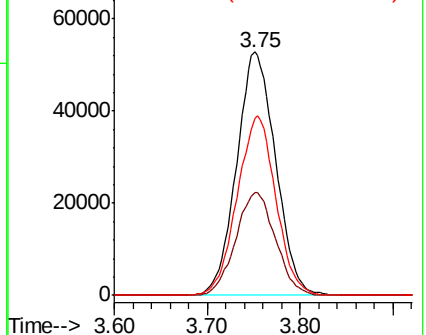
151 73.1 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.301 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

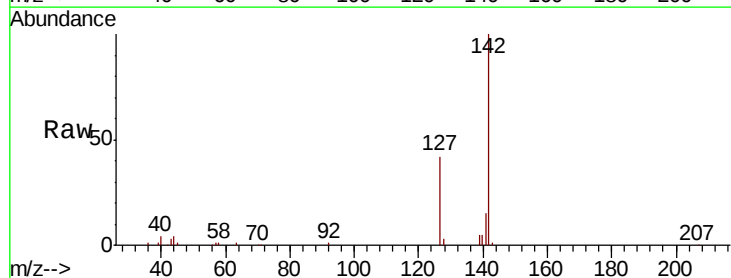
Tgt Ion:142 Resp: 107380

Ion Ratio Lower Upper

142 100

127 41.6 33.0 49.4

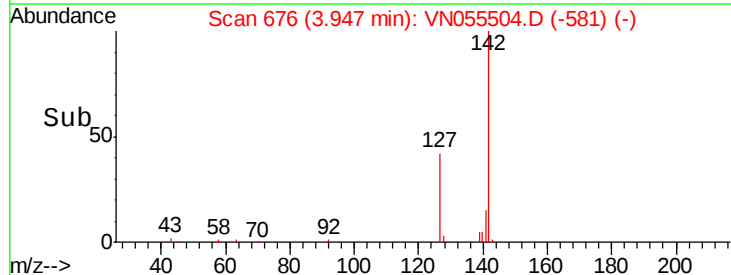
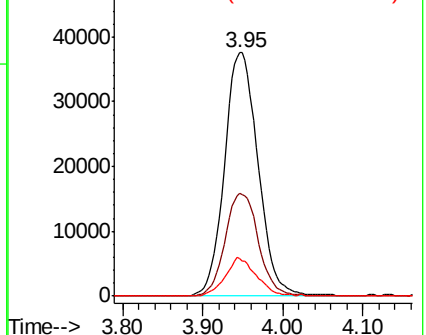
141 14.5 11.4 17.0

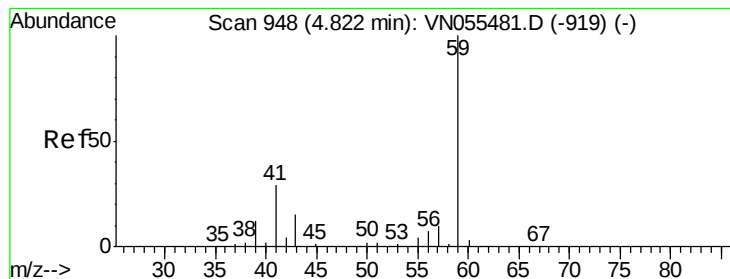


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



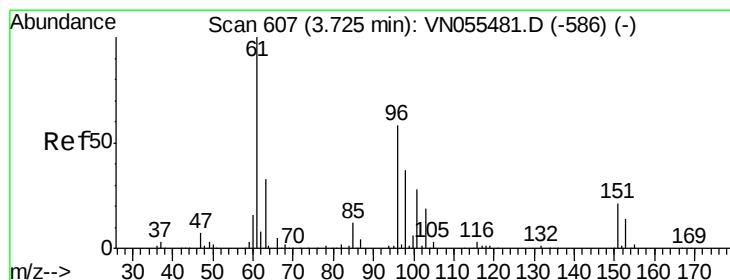
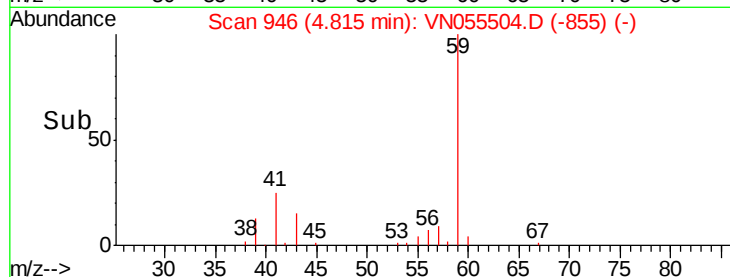
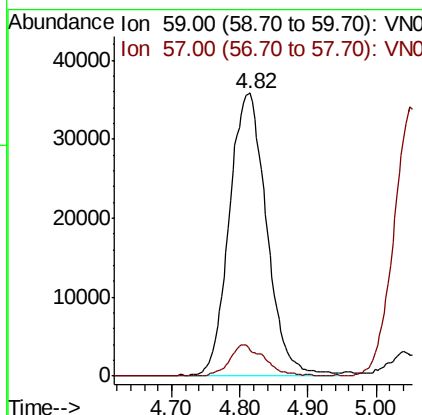
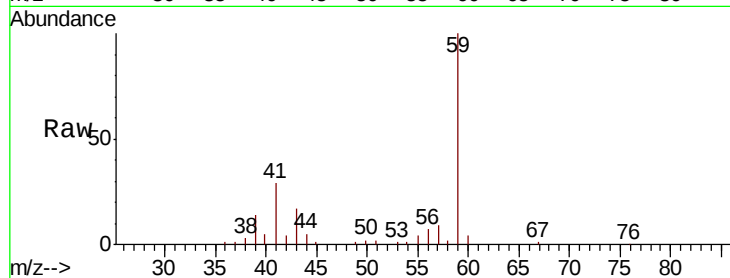


#11

Tert butyl alcohol
Concen: 86.767 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampled :

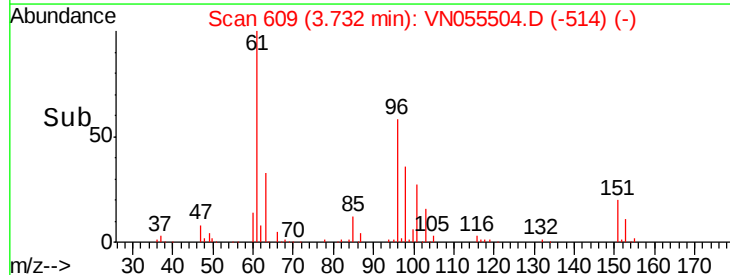
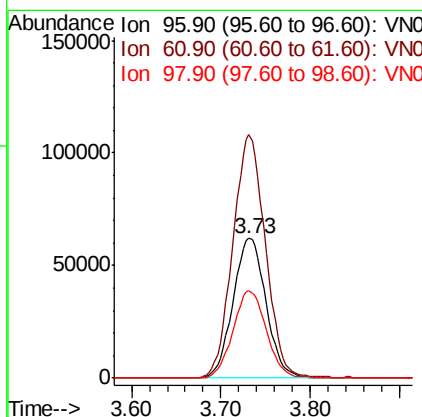
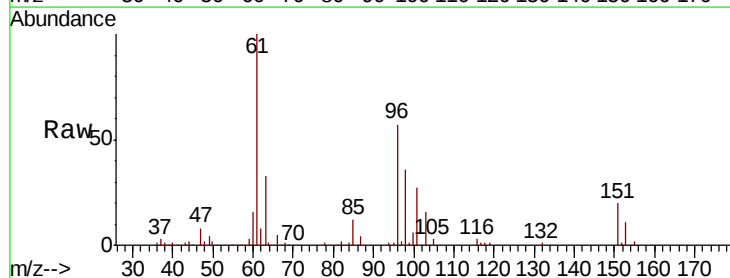
Tot Ion: 59 Resp: 136512
Ion Ratio Lower Upper
59 100
57 10.3 8.0 12.0

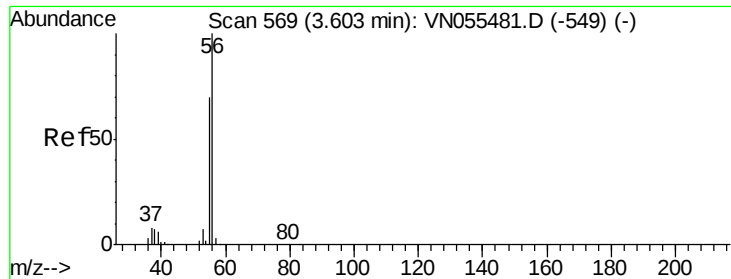


#12

1,1-Dichloroethene
Concen: 20.565 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 96 Resp: 159062
Ion Ratio Lower Upper
96 100
61 174.3 138.7 208.1
98 62.2 50.6 76.0





#13

Acrolein

Concen: 84.528 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

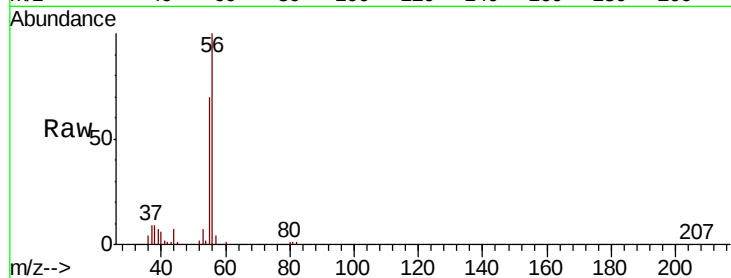
ClientSampleId :

Tot Ion: 56 Resp: 88632

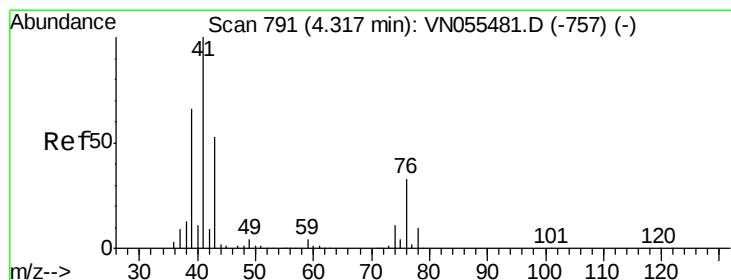
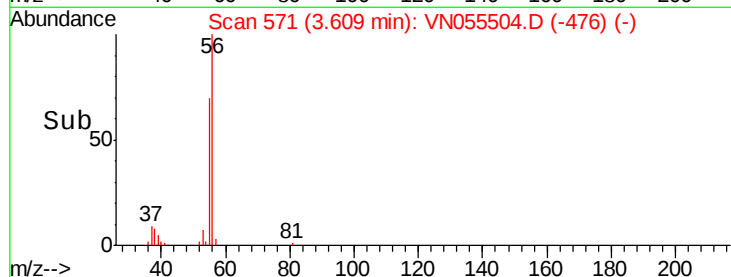
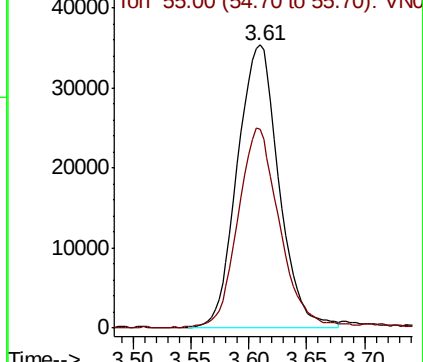
Ion Ratio Lower Upper

56 100

55 71.0 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN055504.D (-549) (-)



#14

Allyl chloride

Concen: 19.121 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

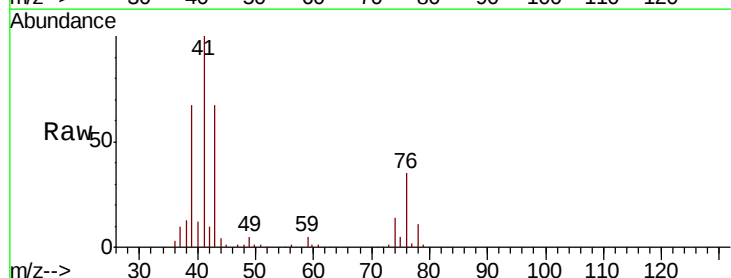
Tgt Ion: 41 Resp: 302956

Ion Ratio Lower Upper

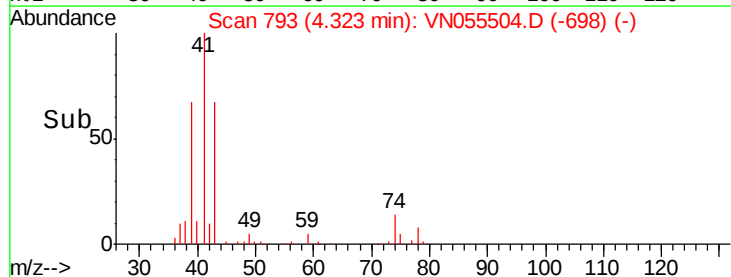
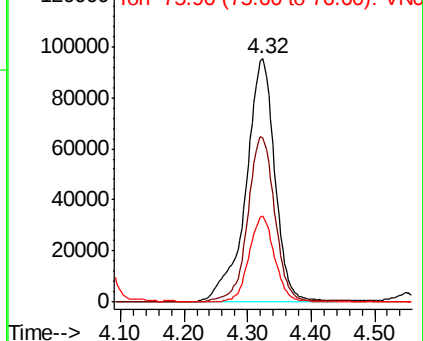
41 100

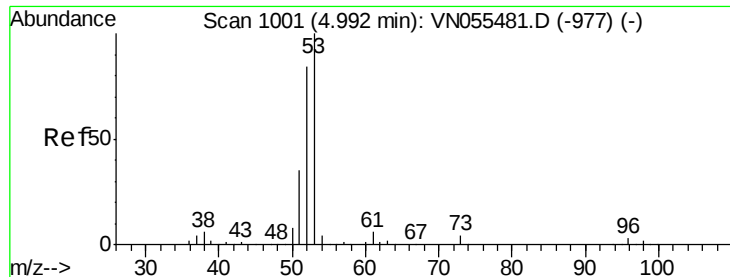
39 63.4 49.8 74.8

76 31.0 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VN055504.D (-698) (-)





#15

Acrylonitrile

Concen: 99.621 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

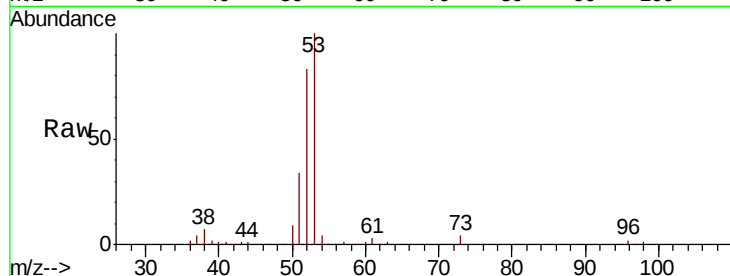
Tot Ion: 53 Resp: 485327

Ion Ratio Lower Upper

53 100

52 82.3 66.1 99.1

51 35.4 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN055504.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN055504.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN055504.D (-977) (-)

150000

100000

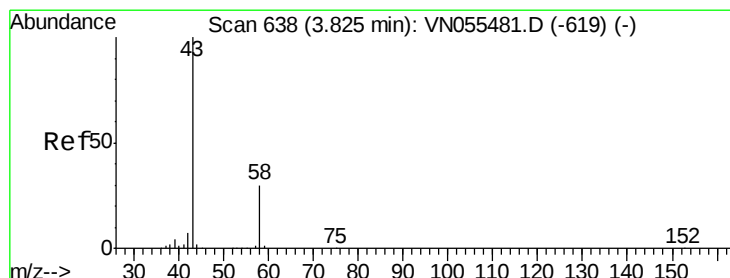
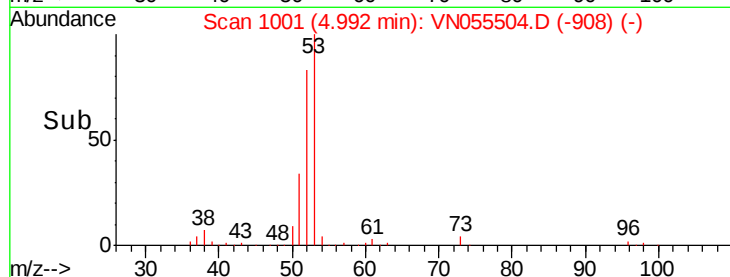
50000

0

4.99

4.80 4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 80.073 ug/l

RT: 3.82 min Scan# 638

Delta R.T. -0.00 min

Lab File: VN055504.D

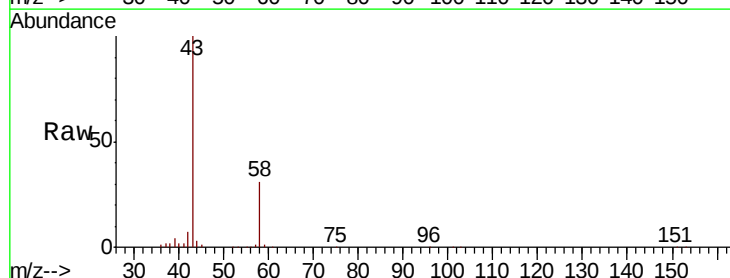
Acq: 9 May 2019 18:09

Tgt Ion: 43 Resp: 395072

Ion Ratio Lower Upper

43 100

58 30.6 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN055504.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055504.D (-619) (-)

150000

100000

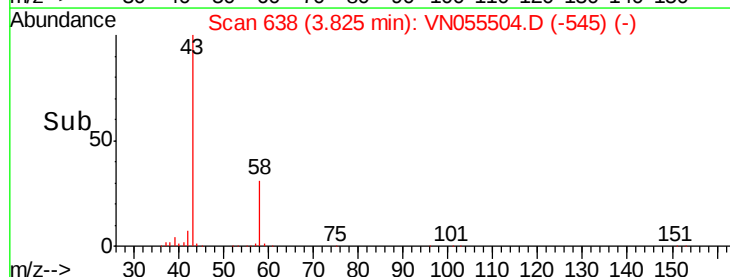
50000

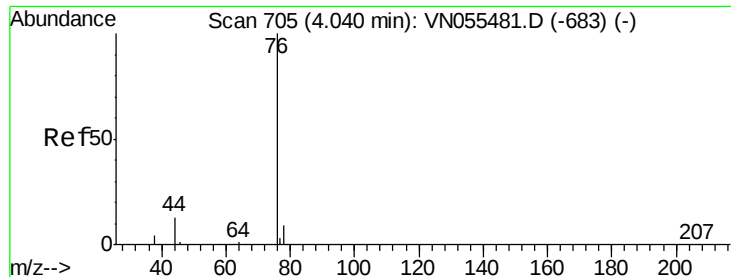
0

3.82

3.70 3.80 3.90

Time-->





#17

Carbon Disulfide

Concen: 20.062 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

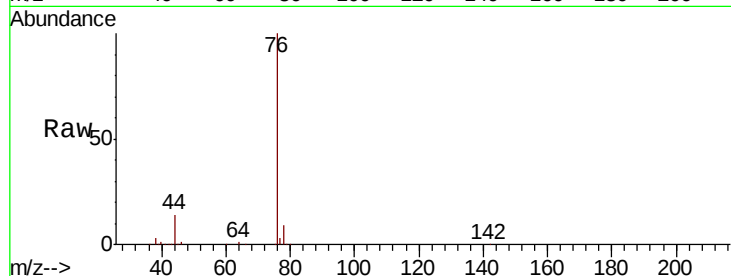
ClientSampled :

Tot Ion: 76 Resp: 423520

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

150000

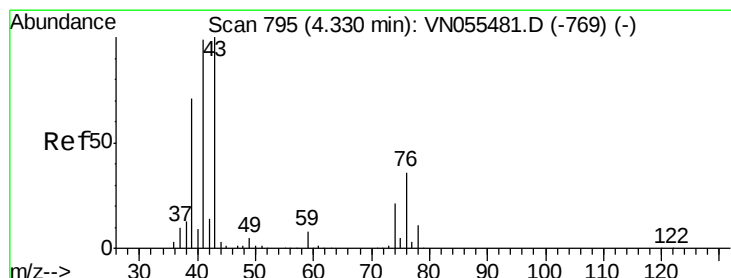
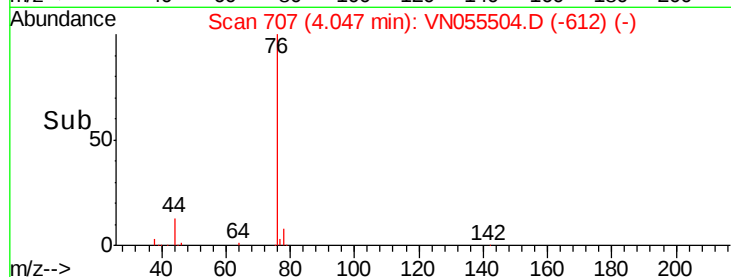
100000

50000

0

Time-->

4.00 4.10



#18

Methyl Acetate

Concen: 19.223 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055504.D

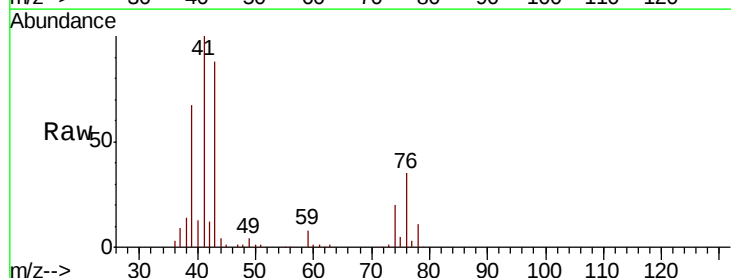
Acq: 9 May 2019 18:09

Tgt Ion: 43 Resp: 206077

Ion Ratio Lower Upper

43 100

74 21.5 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

60000

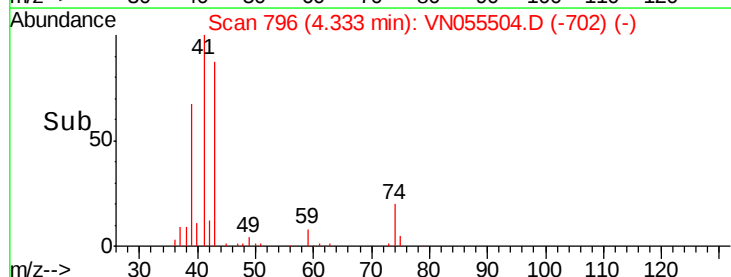
40000

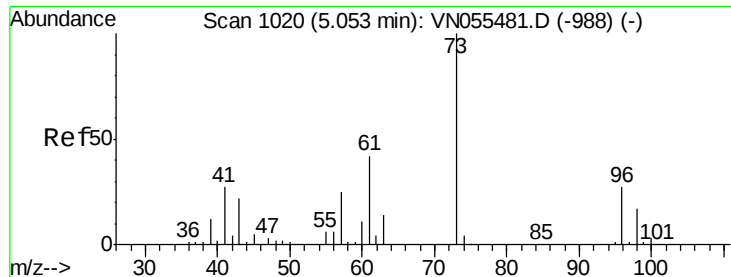
20000

0

Time-->

4.20 4.30 4.40

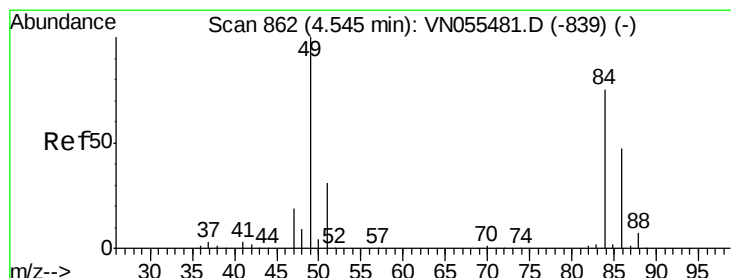
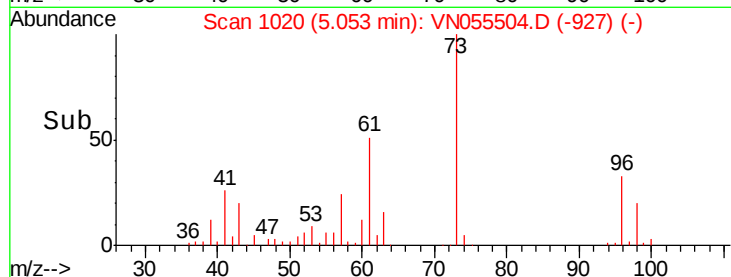
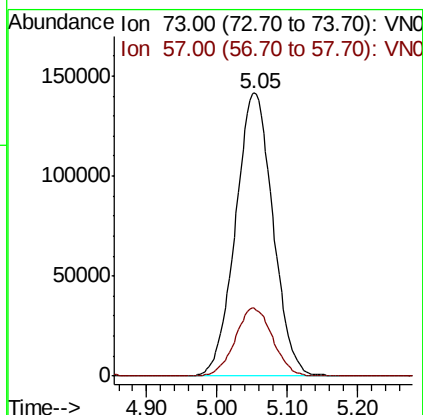
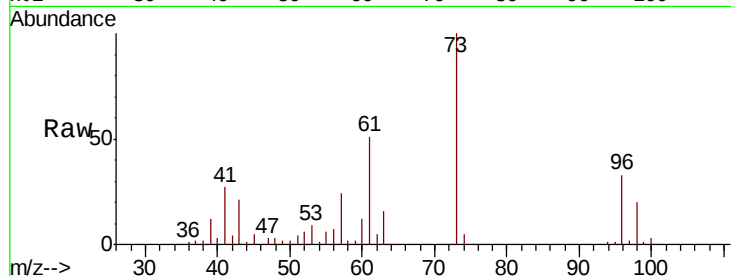




#19
Methyl tert-butyl Ether
Concen: 20.356 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

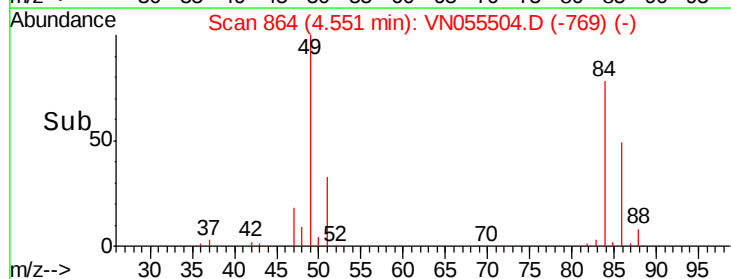
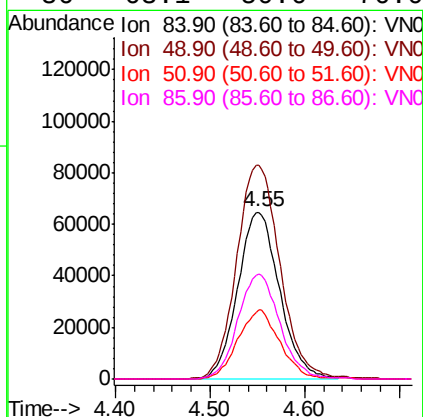
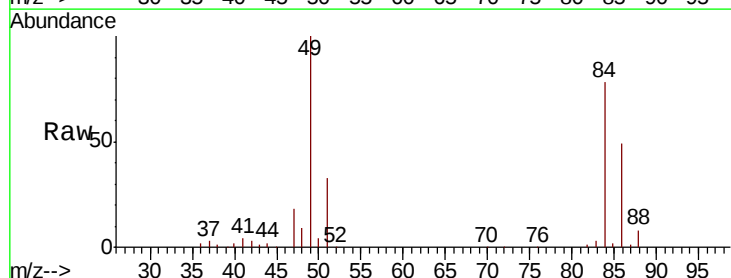
Instrument :
MSVOA_N
ClientSampled :

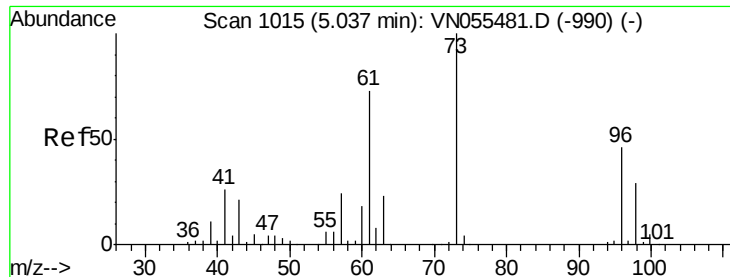
Tot Ion: 73 Resp: 523176
Ion Ratio Lower Upper
73 100
57 23.9 20.0 30.0



#20
Methylene Chloride
Concen: 19.714 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 84 Resp: 198892
Ion Ratio Lower Upper
84 100
49 127.8 107.0 160.6
51 41.6 33.0 49.4
86 63.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.534 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :

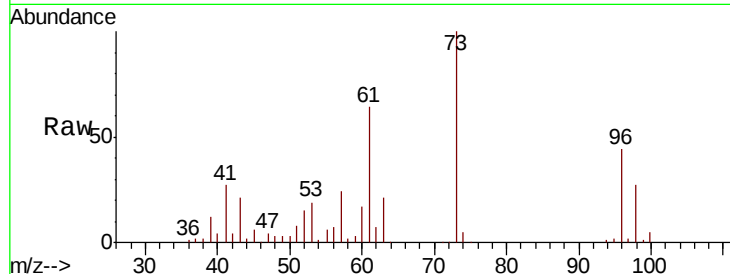
Tot Ion: 96 Resp: 172197

Ion Ratio Lower Upper

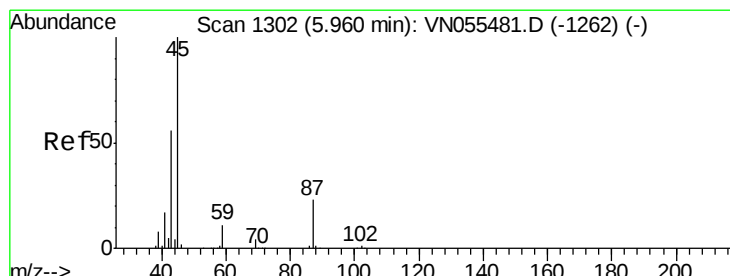
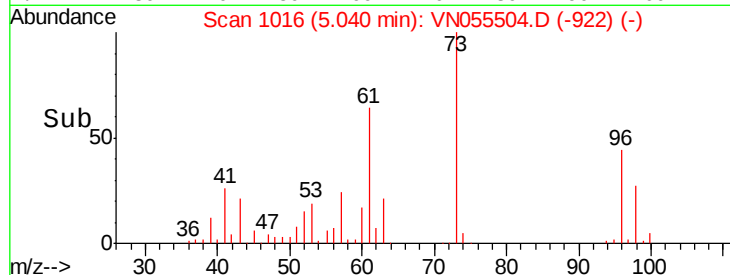
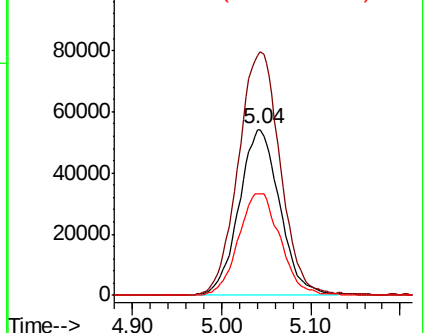
96 100

61 144.7 127.4 191.0

98 61.2 51.6 77.4



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



#22

Diisopropyl ether

Concen: 20.363 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion: 45 Resp: 655644

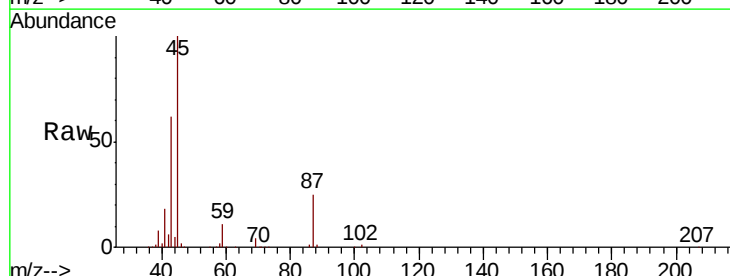
Ion Ratio Lower Upper

45 100

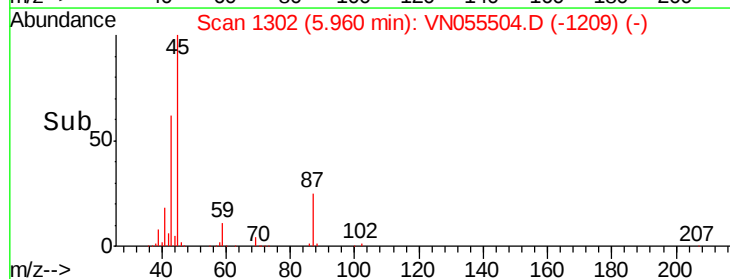
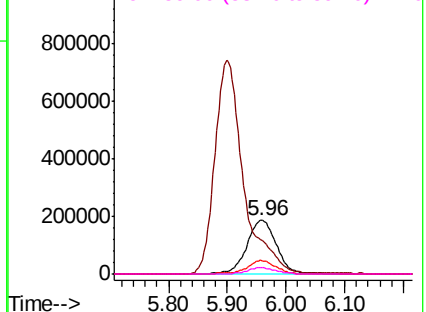
43 60.8 44.6 66.8

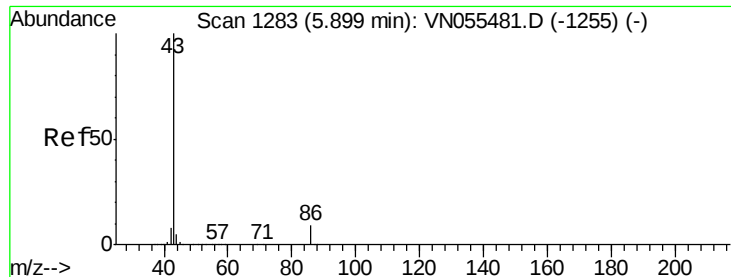
87 24.8 18.6 28.0

59 11.1 8.6 12.8



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





#23

Vinyl Acetate

Concen: 101.187 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

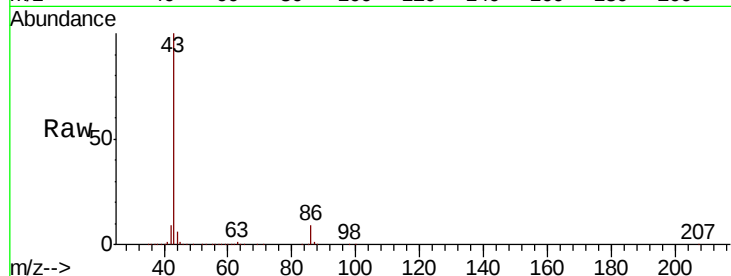
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2519582

Ion Ratio Lower Upper

43 100

86 9.1 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

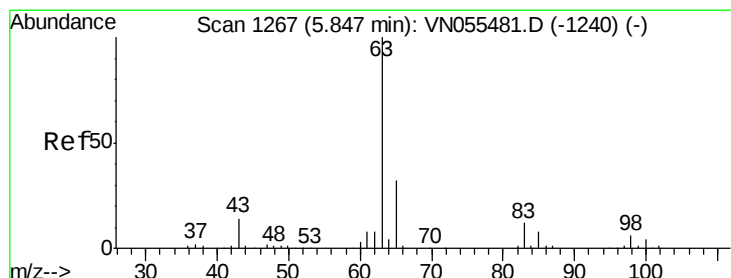
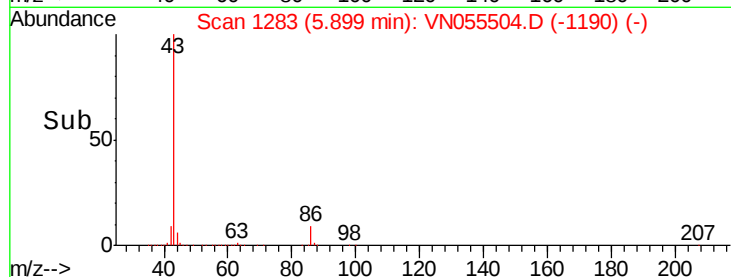
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.398 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

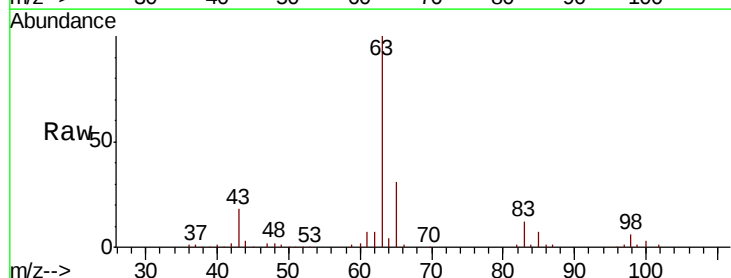
Tgt Ion: 63 Resp: 354534

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

100 3.3 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

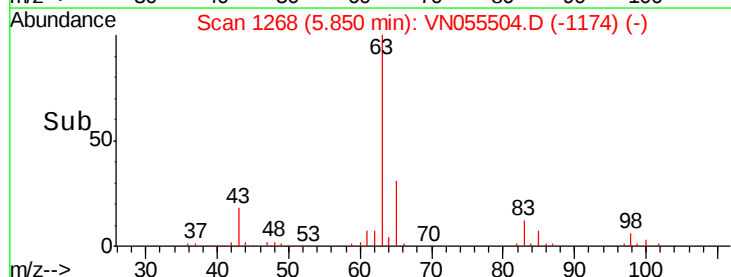
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00

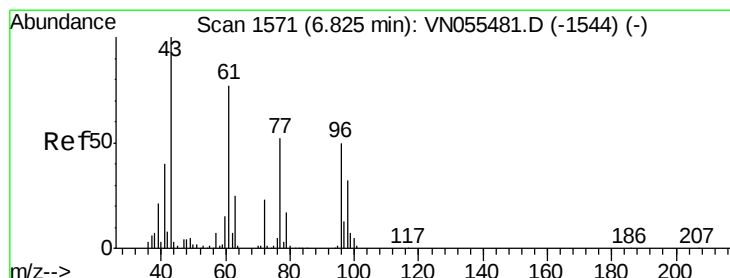
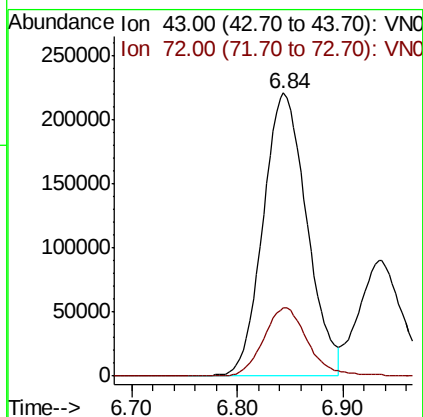
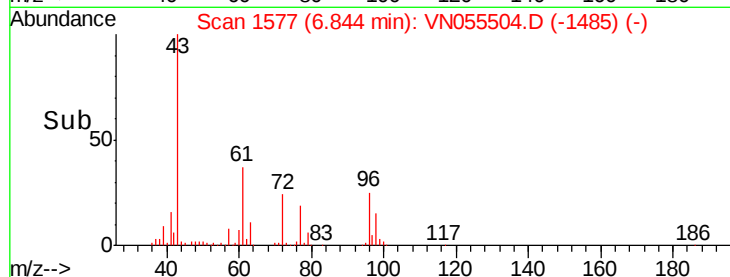
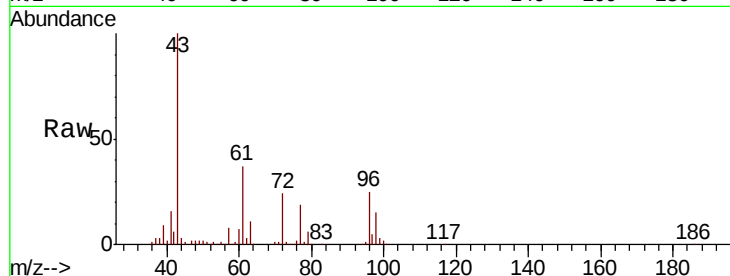




#25
2-Butanone
Concen: 93.258 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

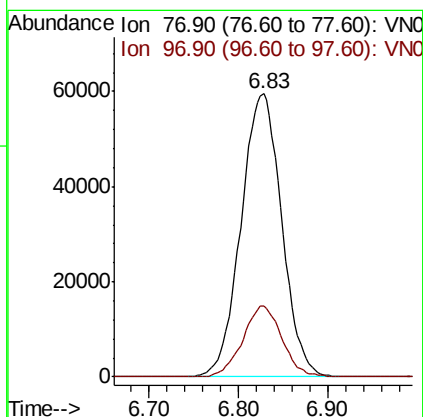
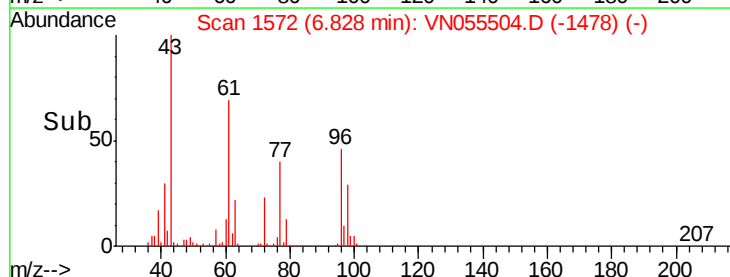
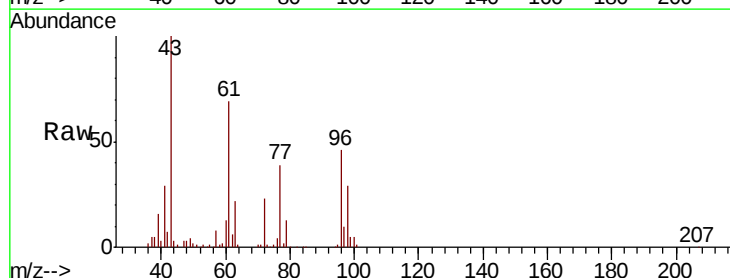
Instrument :
MSVOA_N
ClientSampled :

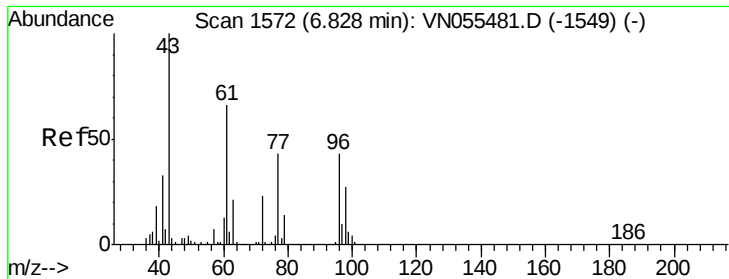
Tot Ion: 43 Resp: 635605
Ion Ratio Lower Upper
43 100
72 24.0 18.6 27.8



#26
2,2-Dichloropropane
Concen: 17.383 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 77 Resp: 188341
Ion Ratio Lower Upper
77 100
97 24.1 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 20.962 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampled :

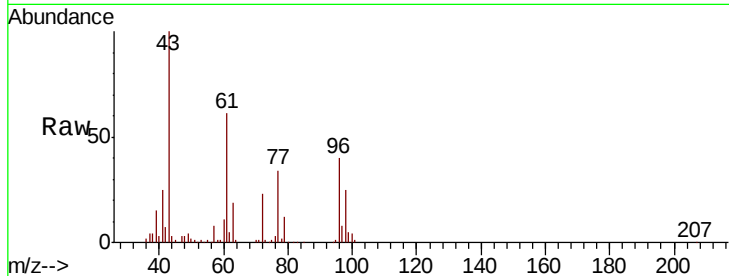
Tot Ion: 96 Resp: 203163

Ion Ratio Lower Upper

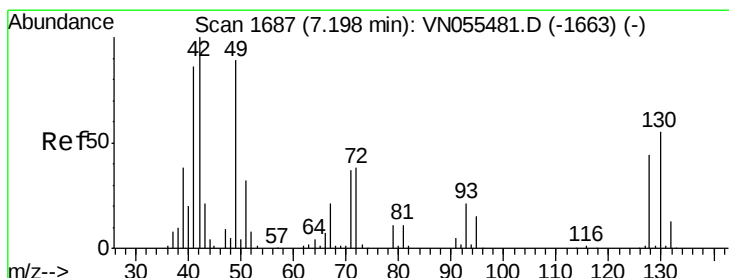
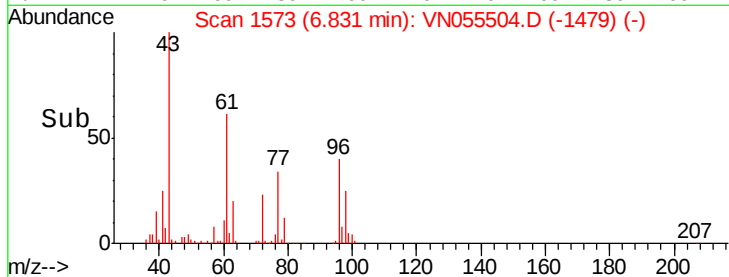
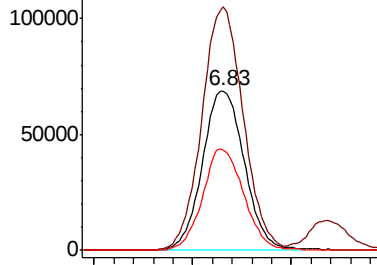
96 100

61 150.9 0.0 310.8

98 62.7 0.0 129.4



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



#28

Bromochloromethane

Concen: 22.477 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

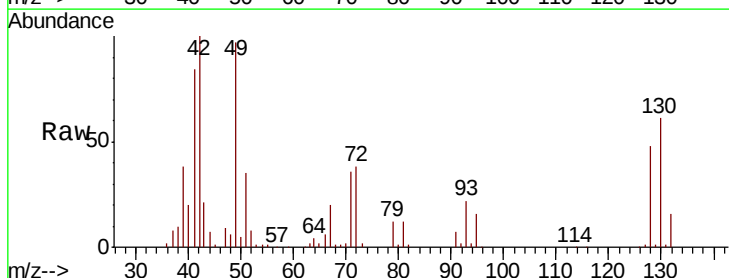
Tgt Ion: 49 Resp: 202886

Ion Ratio Lower Upper

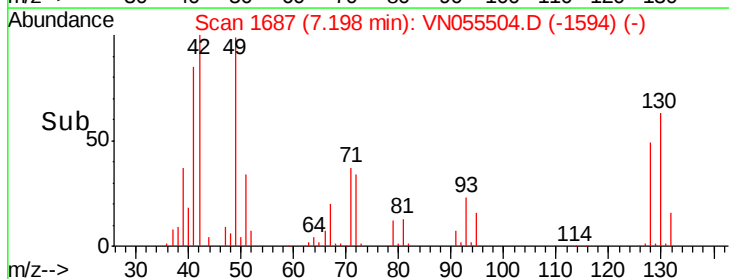
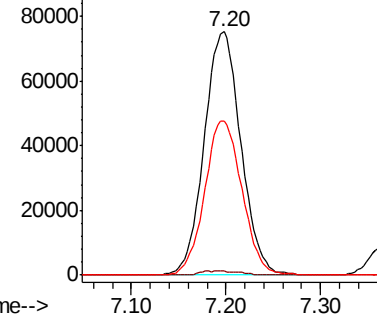
49 100

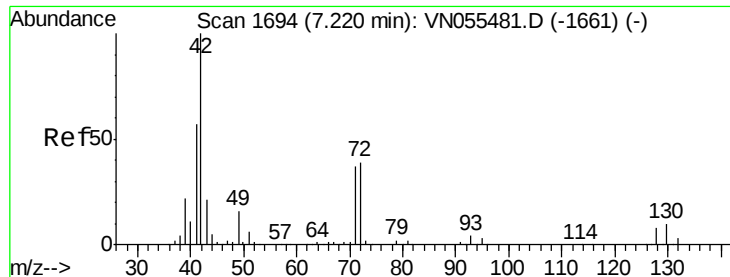
129 1.8 0.0 3.2

130 64.5 49.5 74.3



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

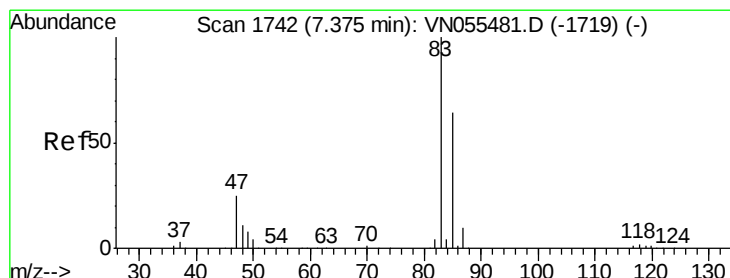
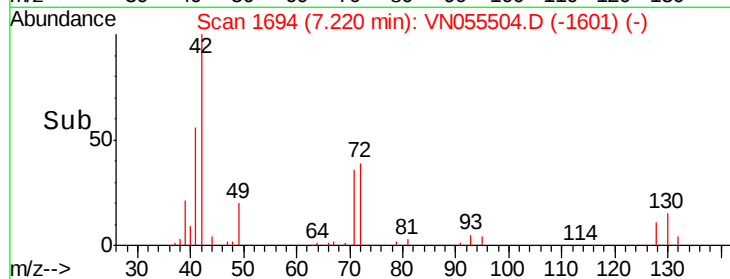
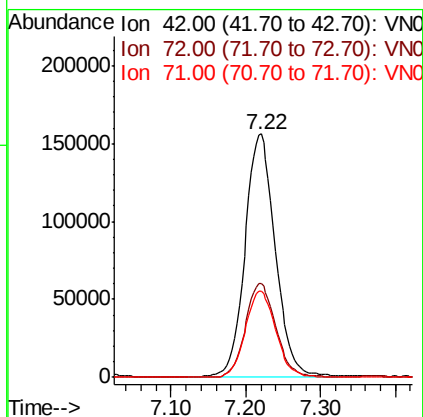
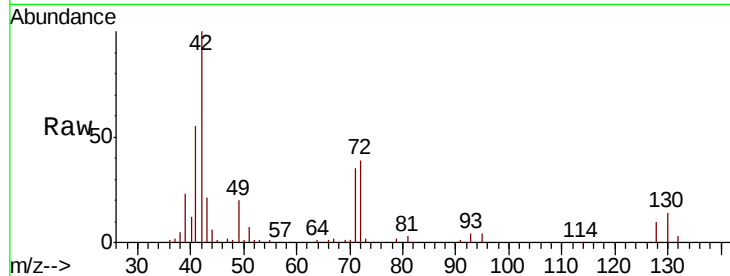




#29
Tetrahydrofuran
Concen: 97.253 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

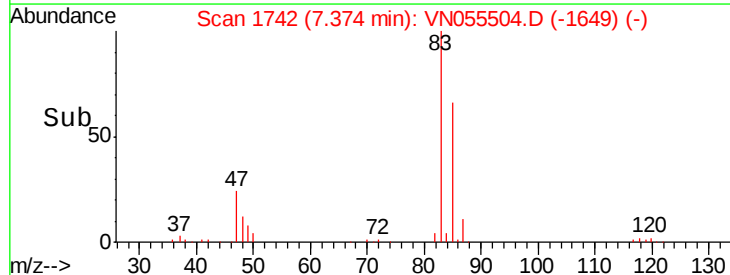
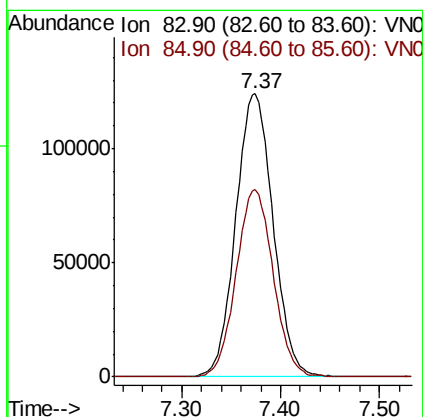
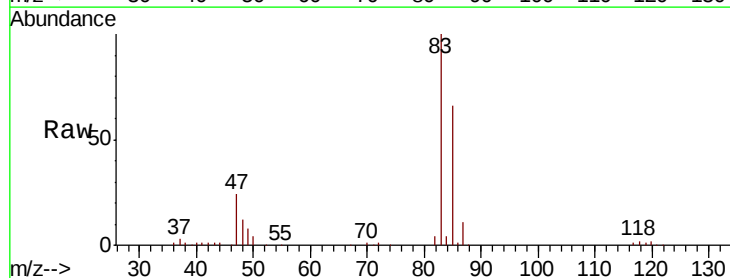
Instrument :
MSVOA_N
ClientSampled :

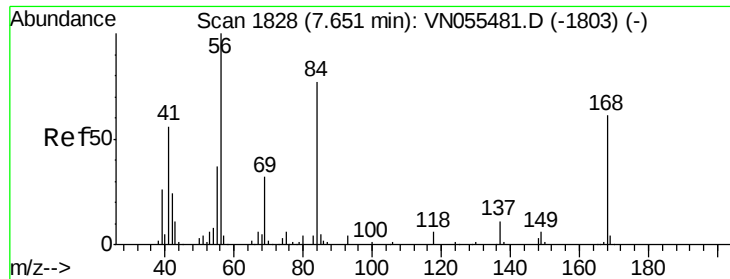
Tot Ion: 42 Resp: 438189
Ion Ratio Lower Upper
42 100
72 38.9 31.0 46.6
71 35.9 29.4 44.2



#30
Chloroform
Concen: 20.223 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 83 Resp: 324935
Ion Ratio Lower Upper
83 100
85 66.1 51.3 76.9

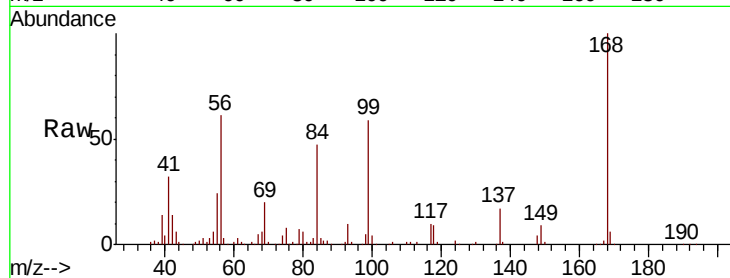




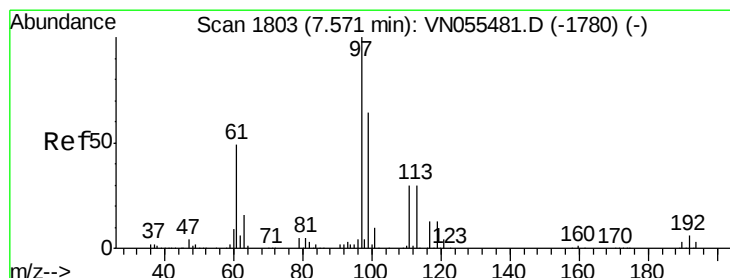
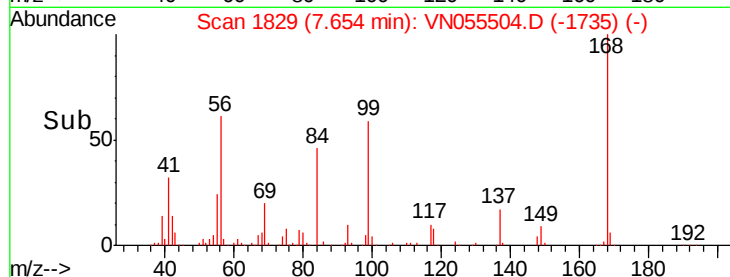
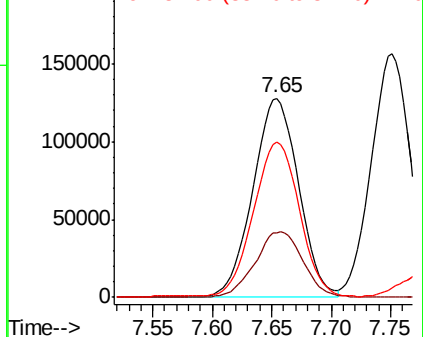
#31
Cyclohexane
Concen: 19.792 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 340361
Ion Ratio Lower Upper
56 100
69 32.6 26.0 39.0
84 76.8 61.9 92.9

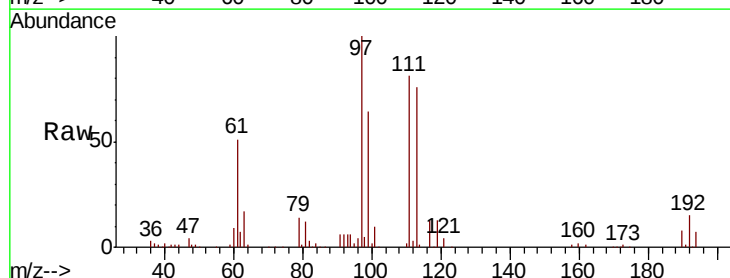


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

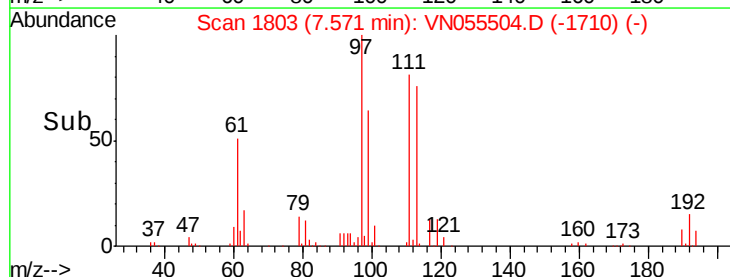
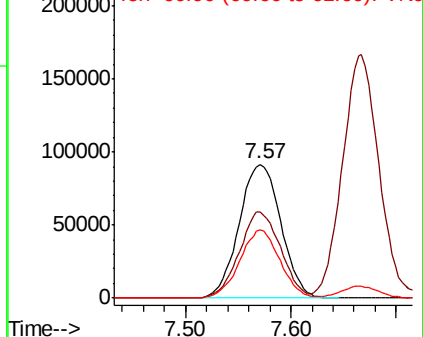


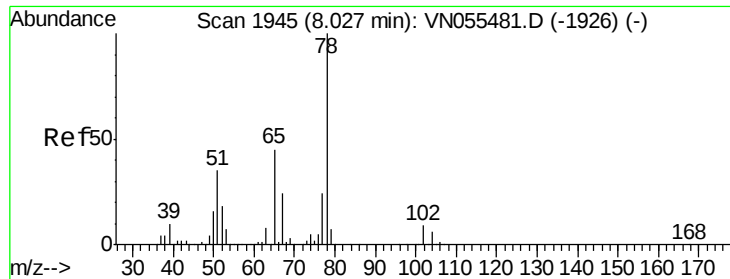
#32
1,1,1-Trichloroethane
Concen: 20.585 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 97 Resp: 251870
Ion Ratio Lower Upper
97 100
99 63.7 51.2 76.8
61 49.1 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

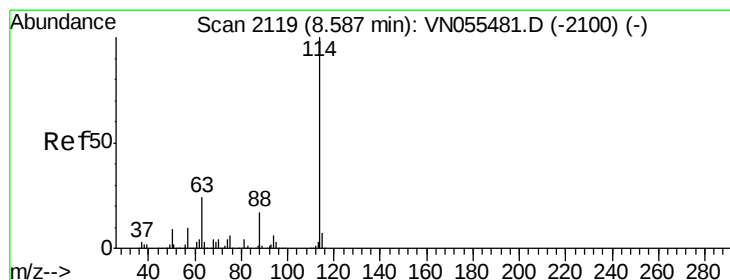
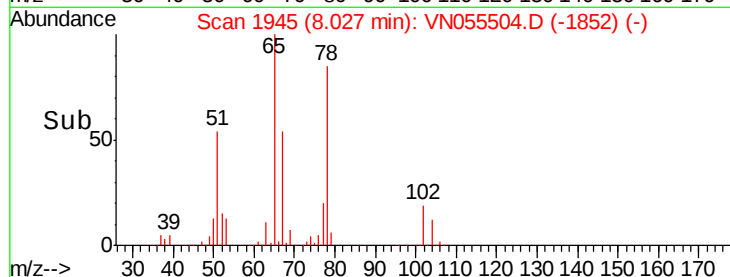
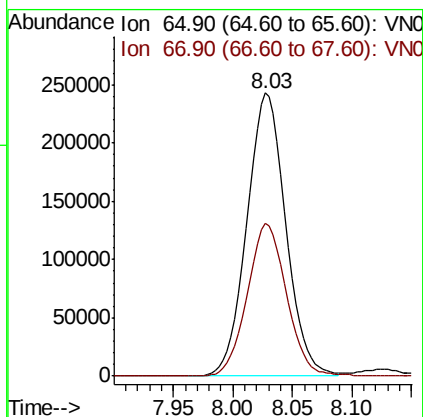
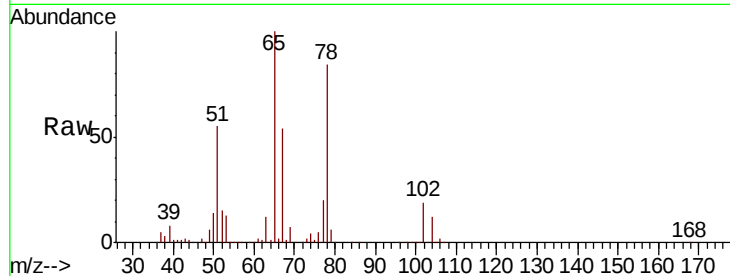




#33
 1,2-Dichloroethane-d4
 Concen: 51.639 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

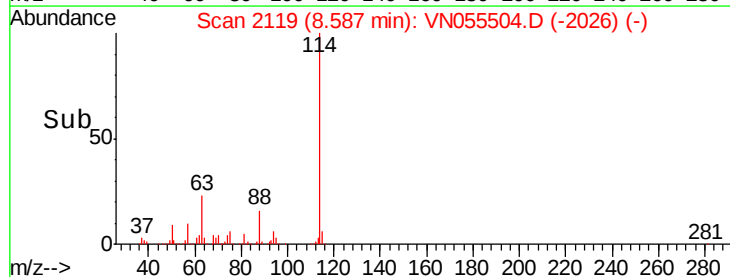
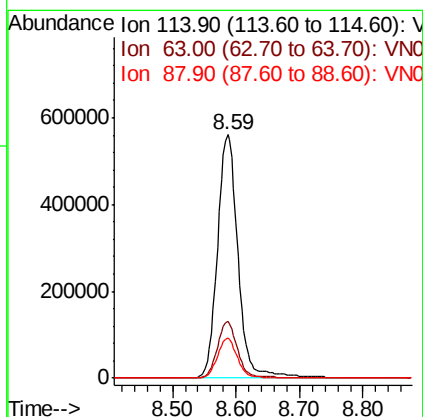
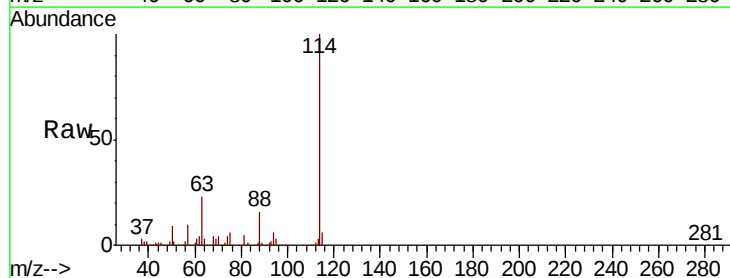
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 550246
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion: 114 Resp: 1260830
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.4
 88 16.2 0.0 34.0

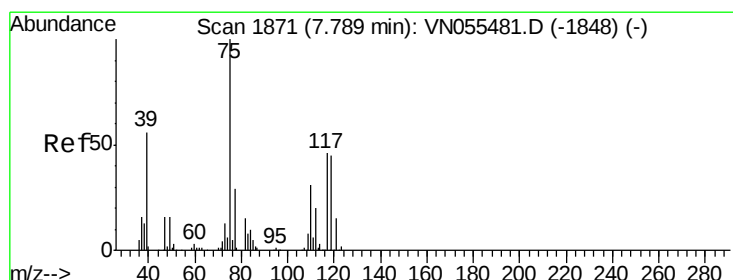
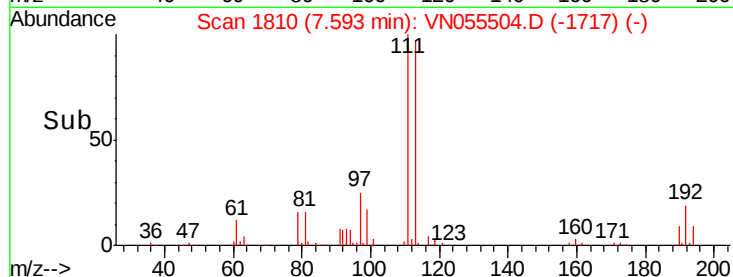
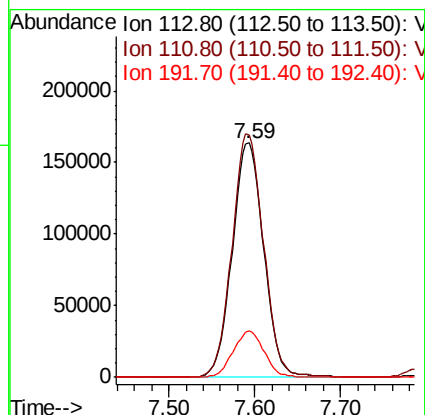
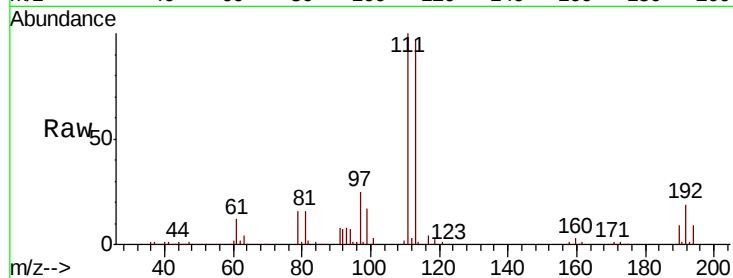




#35
 Dibromofluoromethane
 Concen: 51.149 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

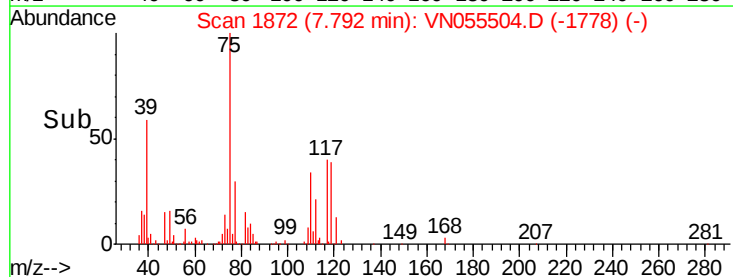
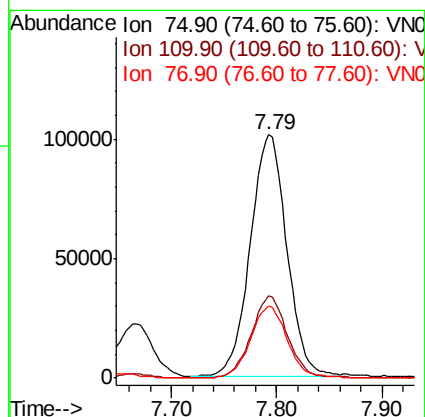
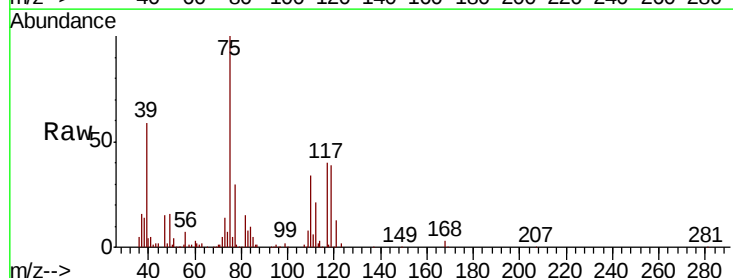
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 416014
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.9 124.3
 192 19.4 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 19.675 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion: 75 Resp: 244393
 Ion Ratio Lower Upper
 75 100
 110 33.9 16.1 48.3
 77 30.3 24.6 37.0

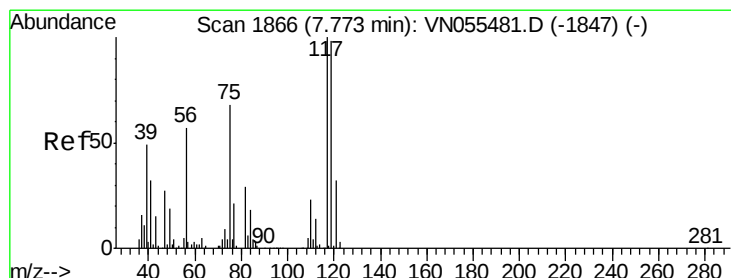
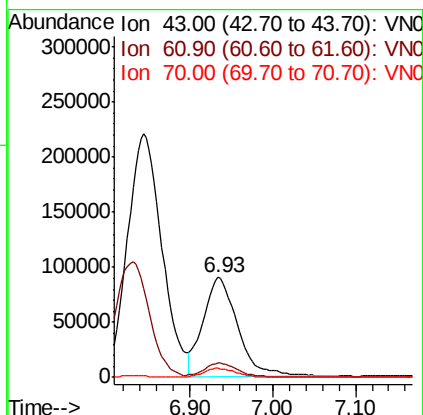
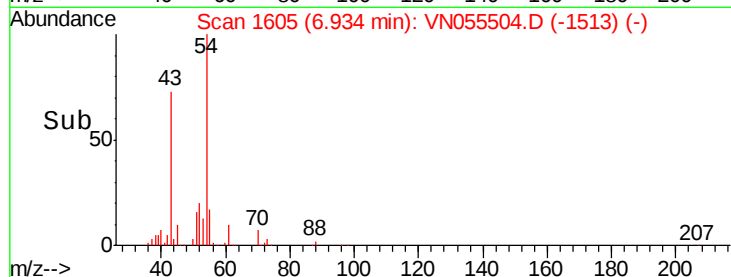
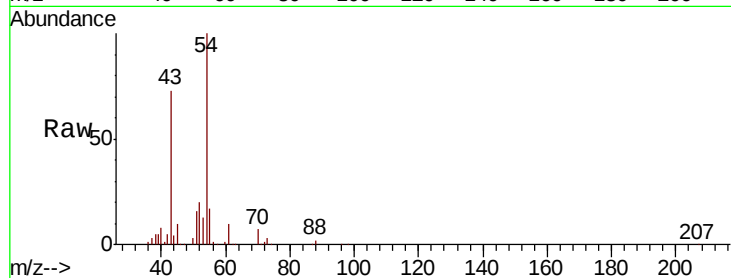




#37
Ethyl Acetate
Concen: 19.293 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

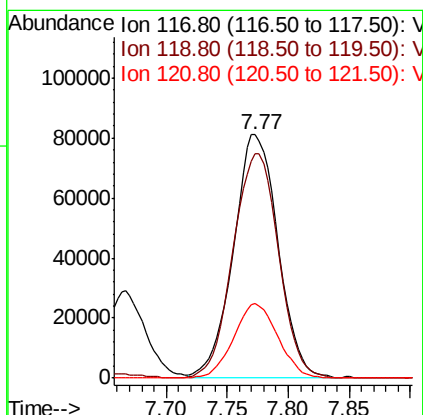
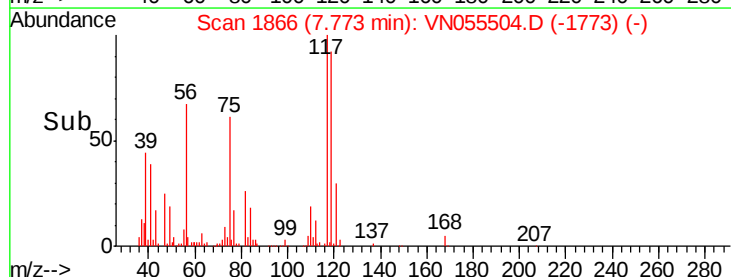
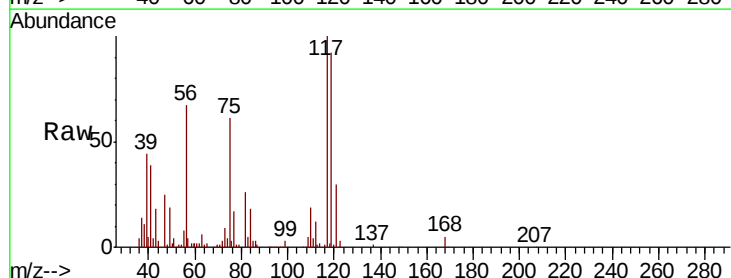
Instrument :
MSVOA_N
ClientSampled :

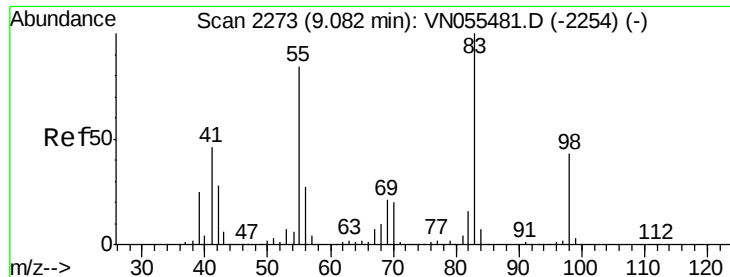
Tot Ion: 43 Resp: 261419
Ion Ratio Lower Upper
43 100
61 13.8 10.9 16.3
70 8.5 7.0 10.6



#38
Carbon Tetrachloride
Concen: 19.564 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 117 Resp: 204624
Ion Ratio Lower Upper
117 100
119 92.5 77.8 116.6
121 30.5 25.2 37.8

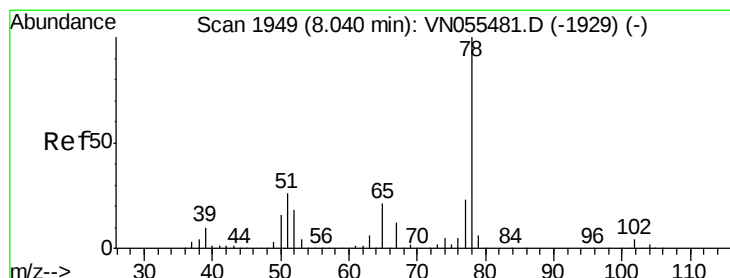
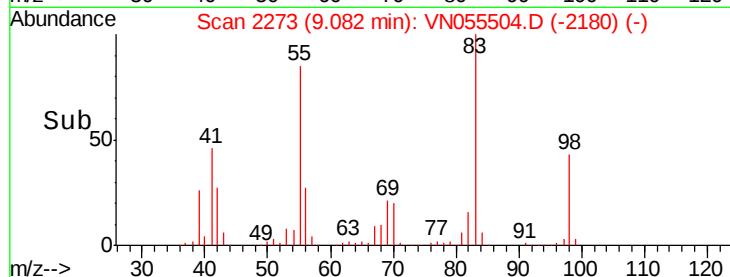
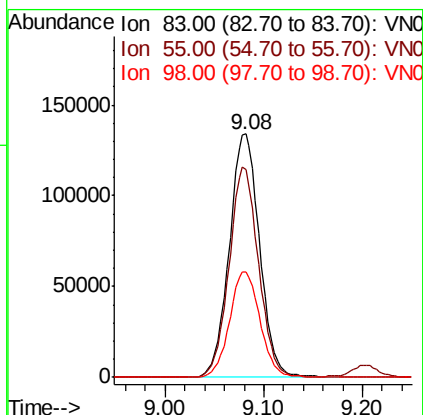
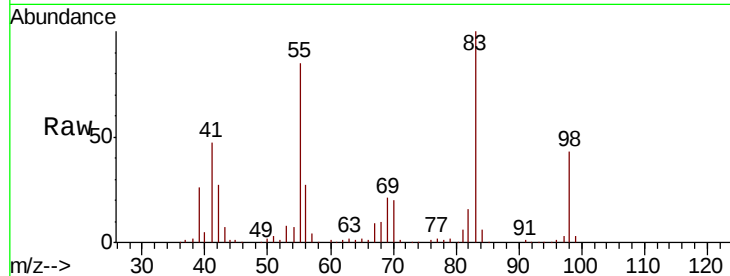




#39
Methvlcvclohexane
Concen: 18.929 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

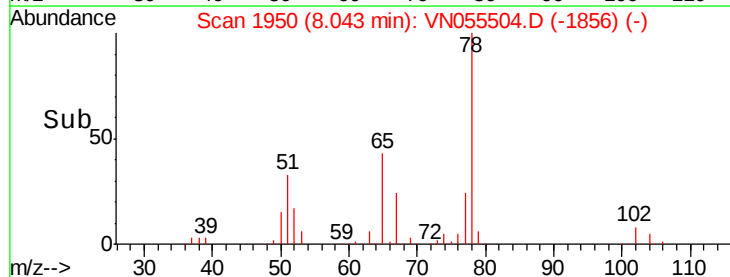
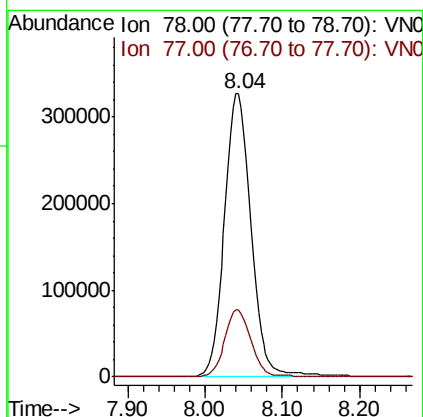
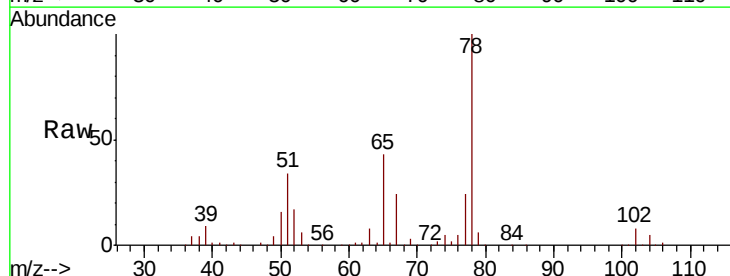
Instrument :
MSVOA_N
ClientSampleId :

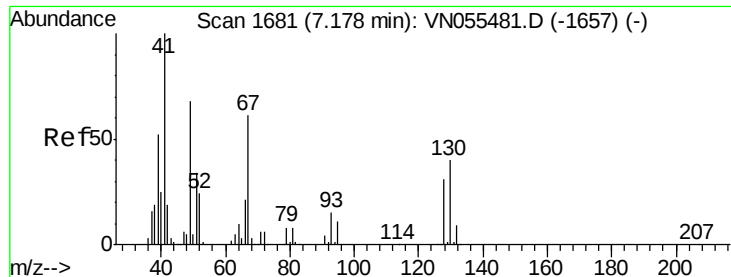
Tot Ion: 83 Resp: 286677
Ion Ratio Lower Upper
83 100
55 85.4 67.0 100.4
98 43.4 34.2 51.4



#40
Benzene
Concen: 20.307 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 78 Resp: 782864
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8

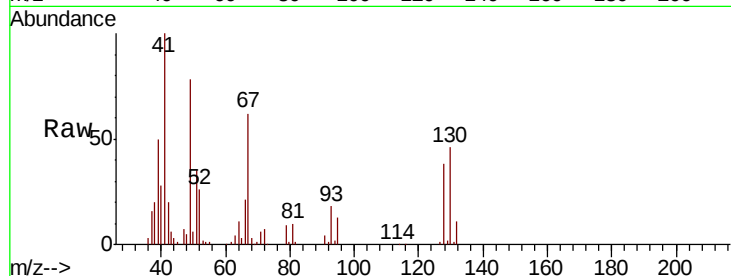




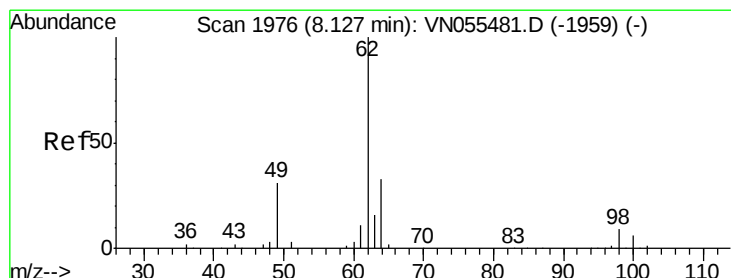
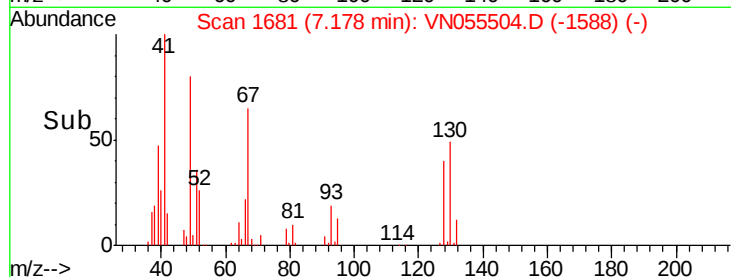
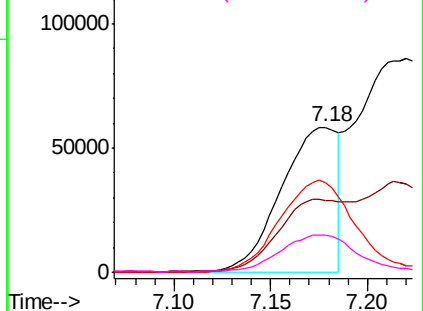
#41
Methacrylonitrile
Concen: 18.747 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 117900
Ion Ratio Lower Upper
41 100
39 61.5 44.7 67.1
67 86.1 61.4 92.0
52 35.4 25.0 37.4

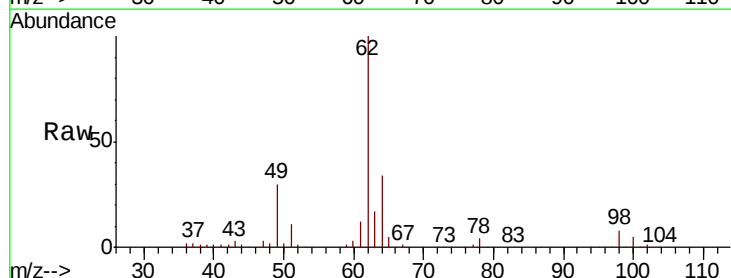


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

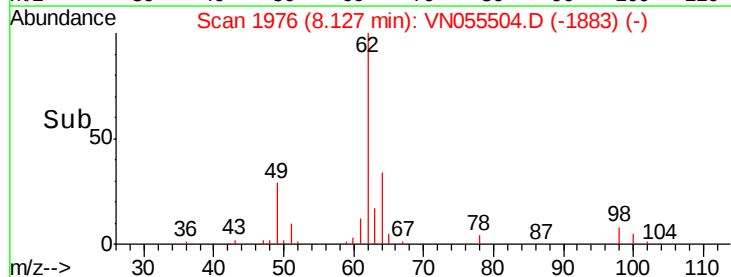
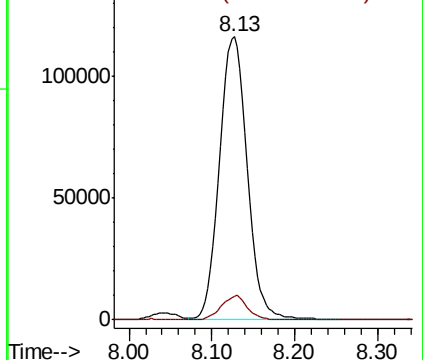


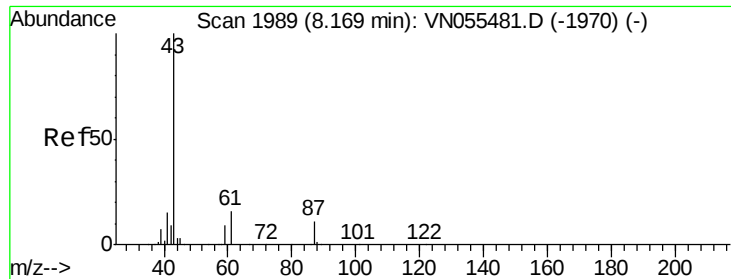
#42
1,2-Dichloroethane
Concen: 19.940 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 62 Resp: 270061
Ion Ratio Lower Upper
62 100
98 8.1 0.0 17.4



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



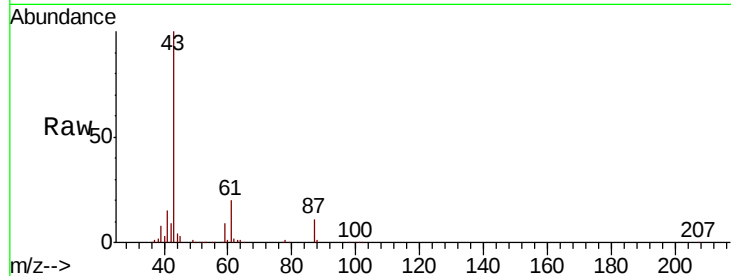


#43

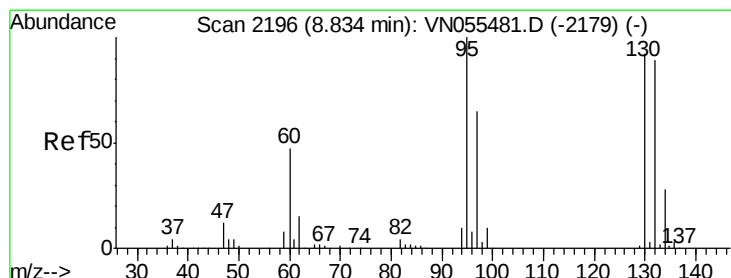
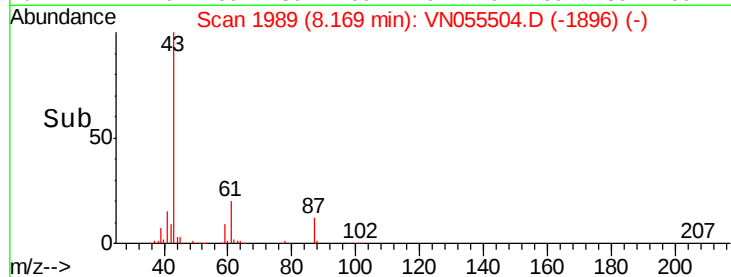
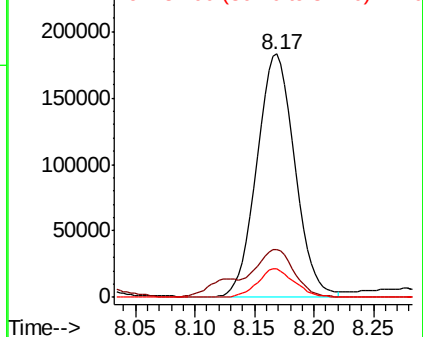
Isopropyl Acetate
 Concen: 19.605 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.1	22.7
87	11.4	9.0	13.6



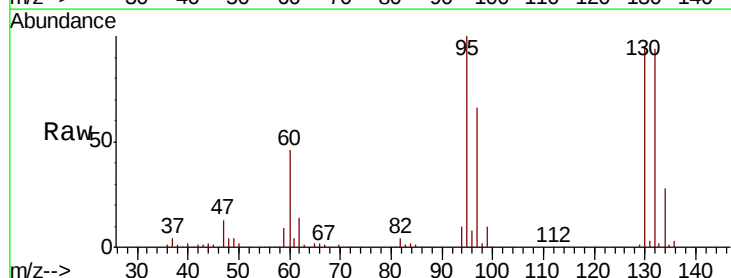
Abundance Ion 43.00 (42.70 to 43.70): VN055504.D (-1970) (-)
 Ion 61.00 (60.70 to 61.70): VN055504.D (-1970) (-)
 Ion 87.00 (86.70 to 87.70): VN055504.D (-1970) (-)



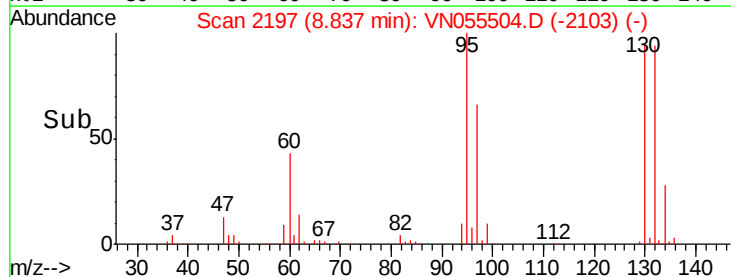
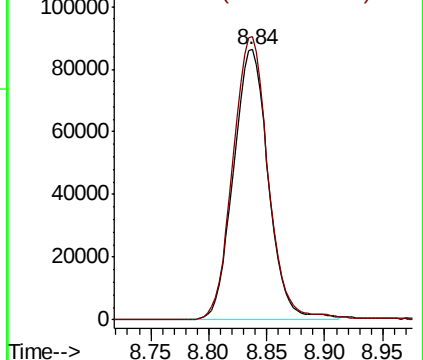
#44

Trichloroethene
 Concen: 19.770 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055504.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN055504.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.096 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

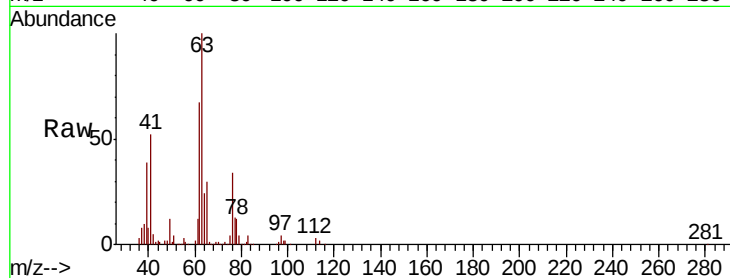
ClientSampled :

Tot Ion: 63 Resp: 221664

Ion Ratio Lower Upper

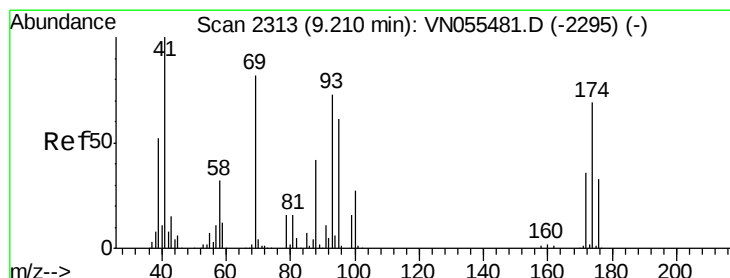
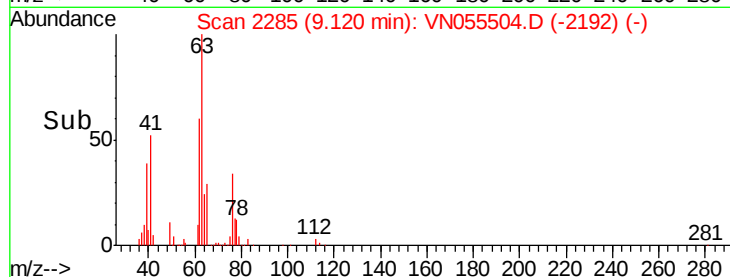
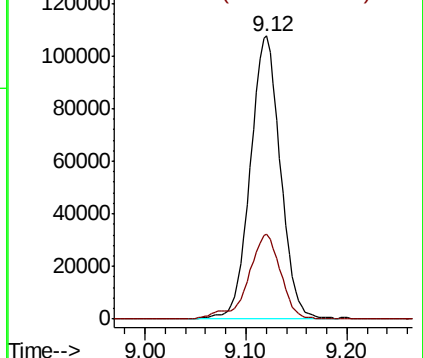
63 100

65 30.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.759 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

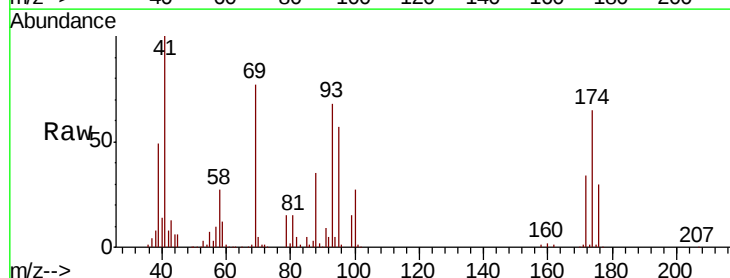
Tgt Ion: 93 Resp: 126333

Ion Ratio Lower Upper

93 100

95 84.9 64.8 97.2

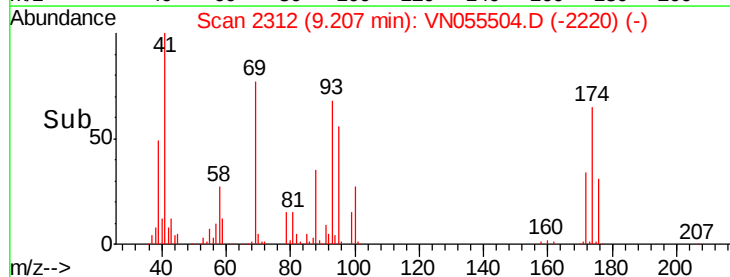
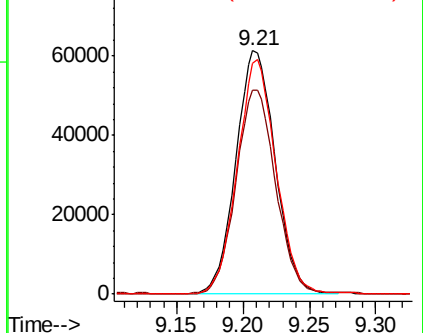
174 95.3 75.0 112.6

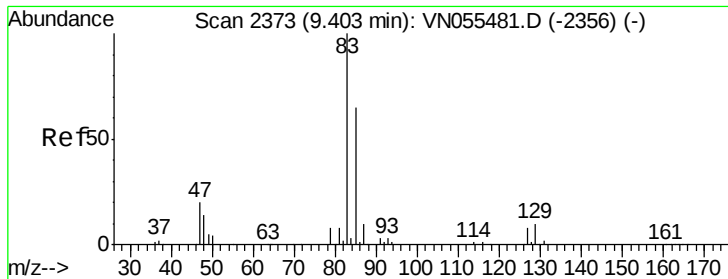


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.638 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

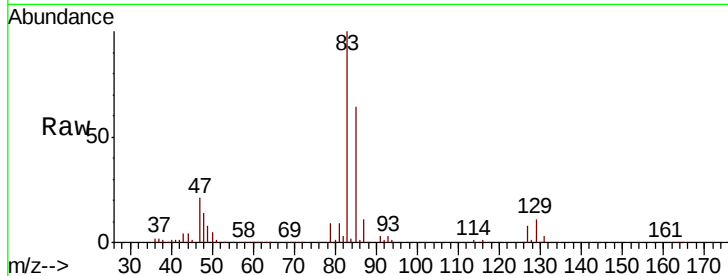
Tot Ion: 83 Resp: 240200

Ion Ratio Lower Upper

83 100

85 63.5 52.2 78.2

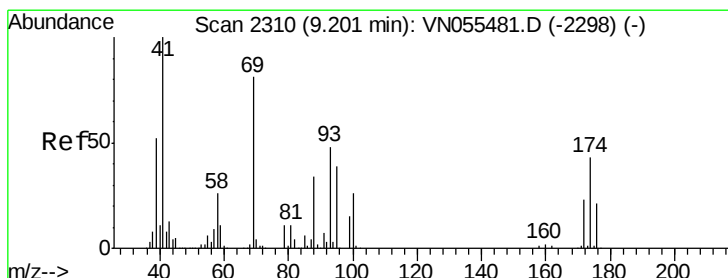
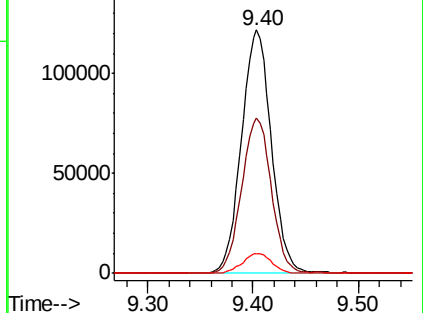
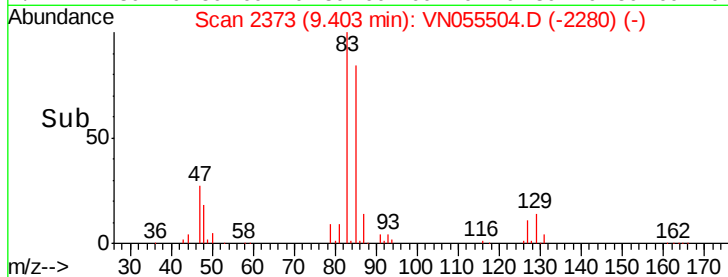
127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.283 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

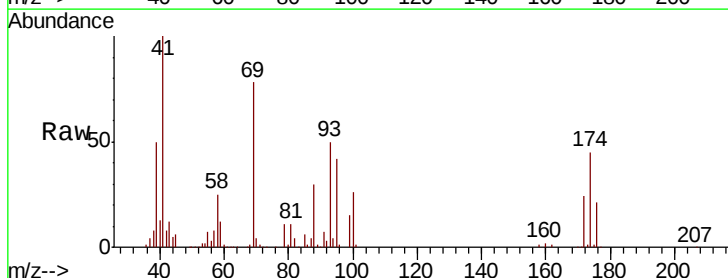
Tgt Ion: 41 Resp: 191249

Ion Ratio Lower Upper

41 100

69 80.2 64.2 96.2

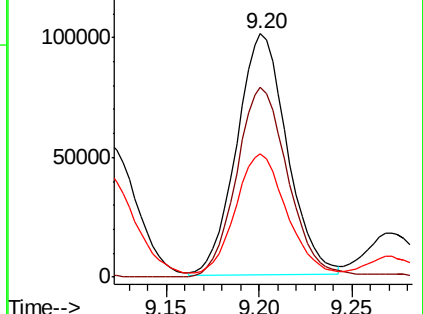
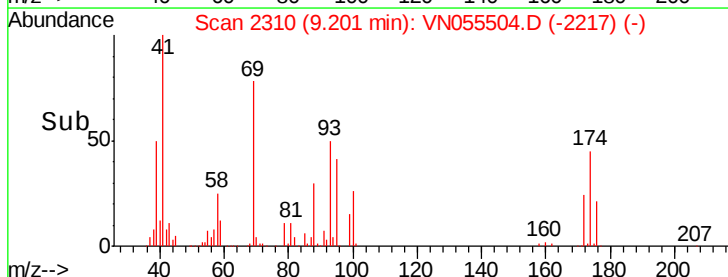
39 52.1 41.6 62.4

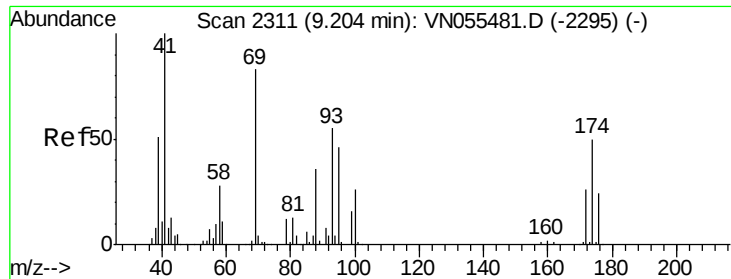


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

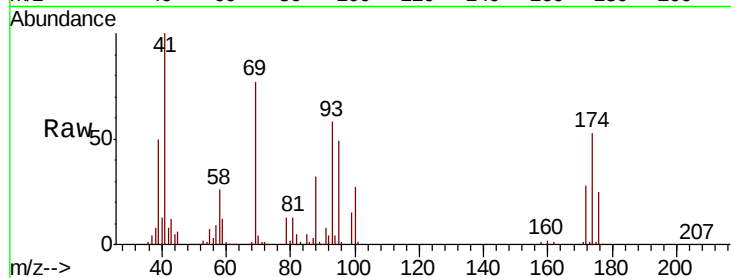




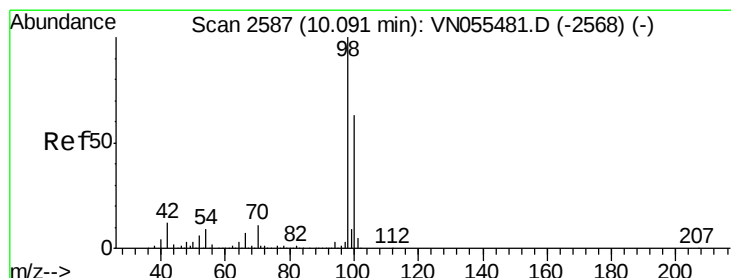
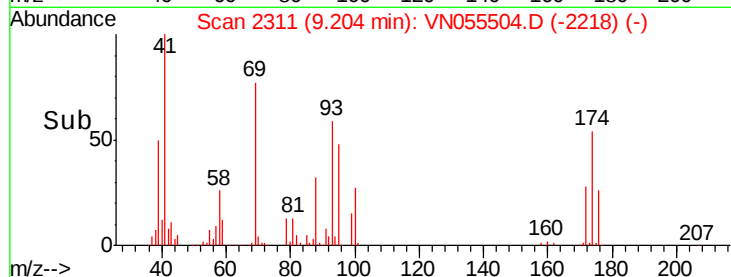
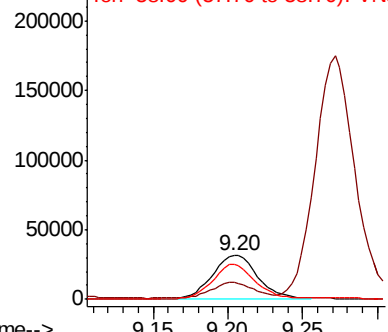
#49
1,4-Dioxane
Concen: 348.296 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 67328
Ion Ratio Lower Upper
88 100
43 30.8 27.8 41.8
58 75.9 61.8 92.6

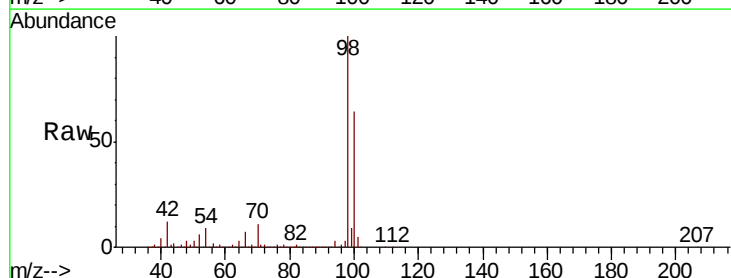


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

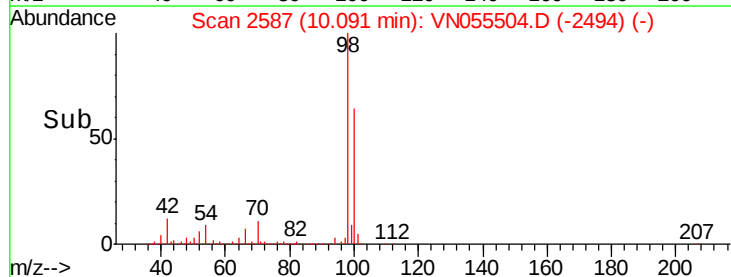
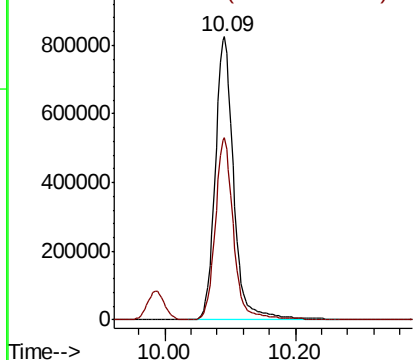


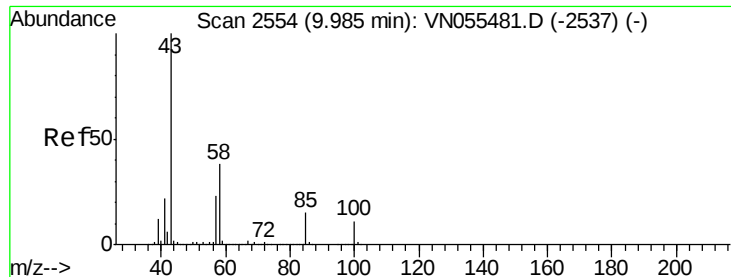
#50
Toluene-d8
Concen: 51.379 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 98 Resp: 1628449
Ion Ratio Lower Upper
98 100
100 63.2 50.4 75.6



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





#51

4-Methyl-2-Pentanone

Concen: 94.657 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

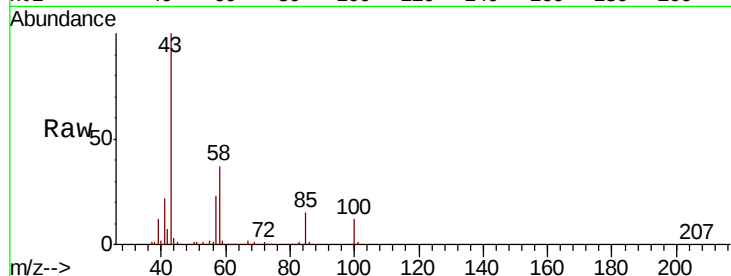
ClientSampleId :

Tot Ion: 43 Resp: 1281525

Ion Ratio Lower Upper

43 100

58 37.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055504.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN055504.D (-2461) (-)

9.99

800000

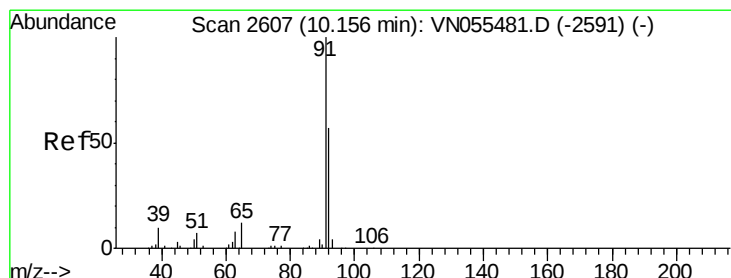
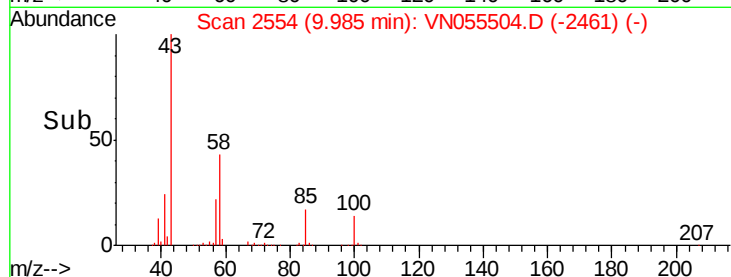
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.375 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055504.D

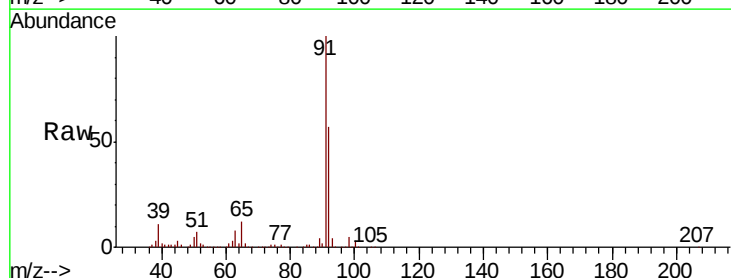
Acq: 9 May 2019 18:09

Tgt Ion: 92 Resp: 449046

Ion Ratio Lower Upper

92 100

91 178.1 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN055504.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN055504.D (-2514) (-)

10.16

400000

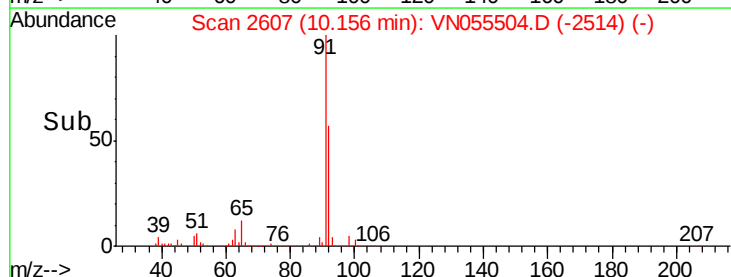
300000

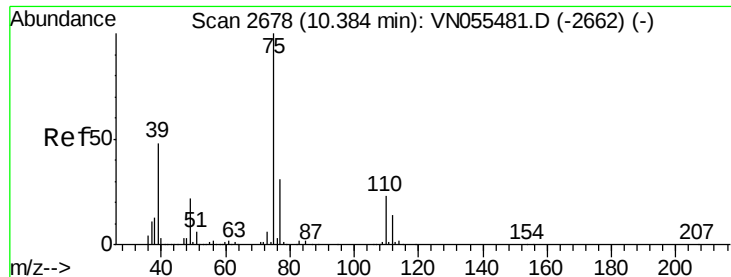
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.233 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

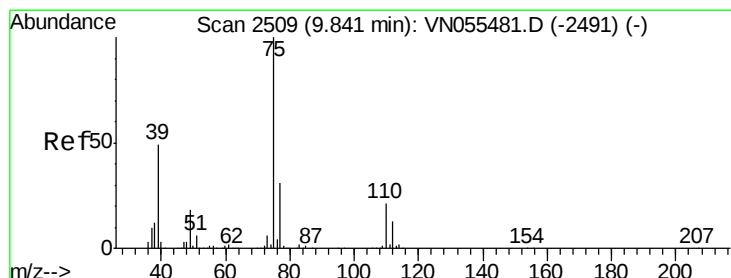
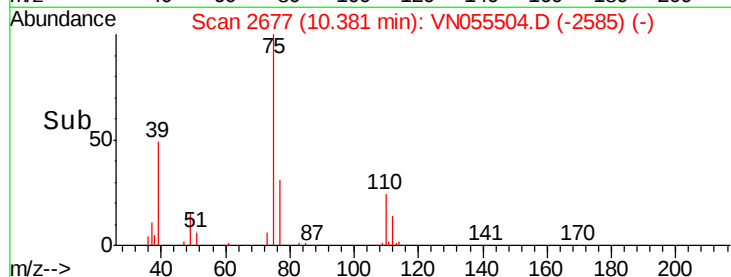
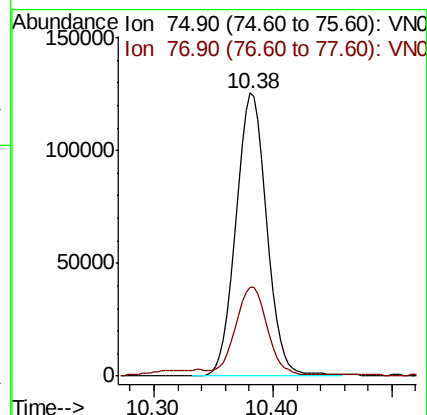
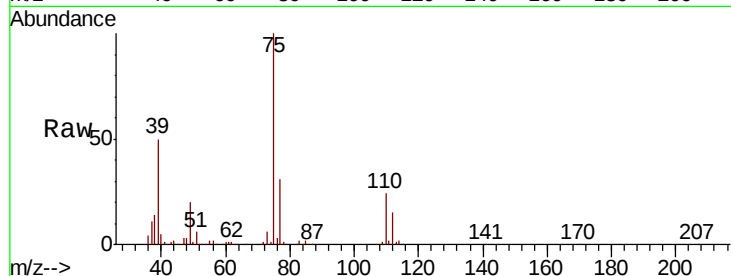
ClientSampled :

Tot Ion: 75 Resp: 225937

Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.767 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

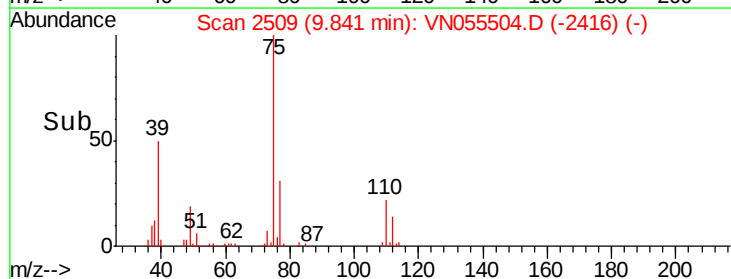
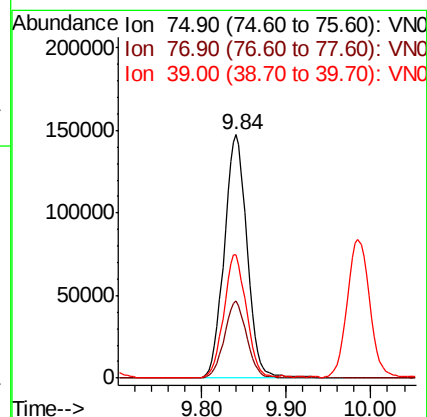
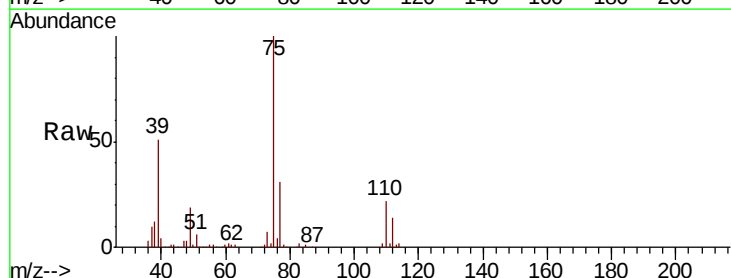
Tgt Ion: 75 Resp: 277478

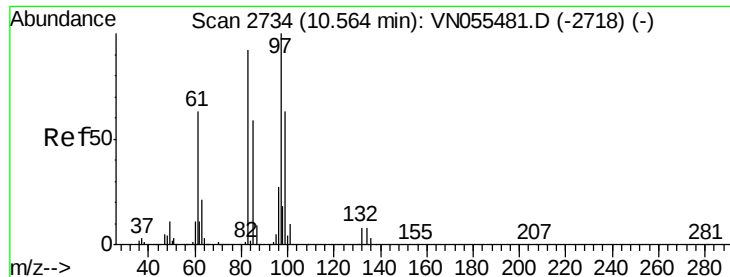
Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6

39 50.3 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 20.090 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 179392

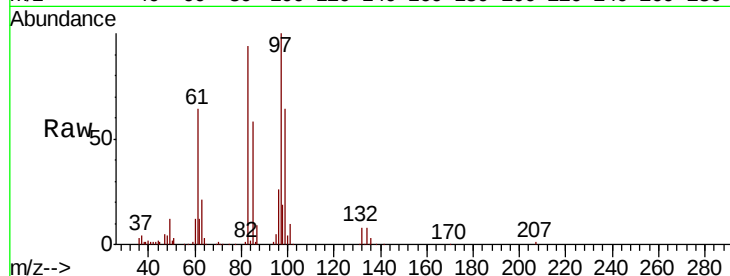
Ion Ratio Lower Upper

97 100

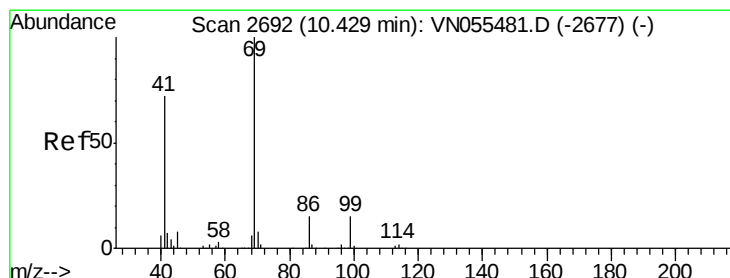
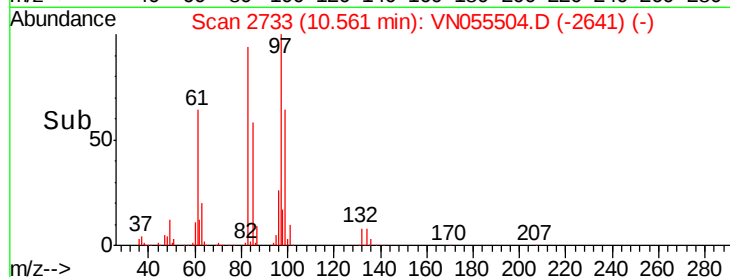
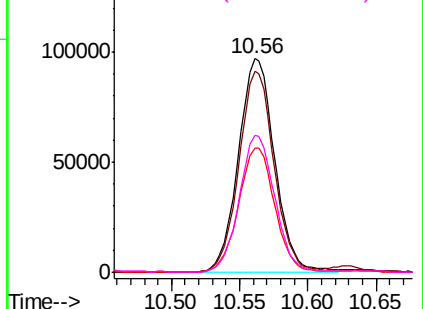
83 93.9 73.2 109.8

85 58.2 47.5 71.3

99 63.8 50.2 75.2



Abundance Ion 96.90 (96.60 to 97.60): VNO
150000 Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.165 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

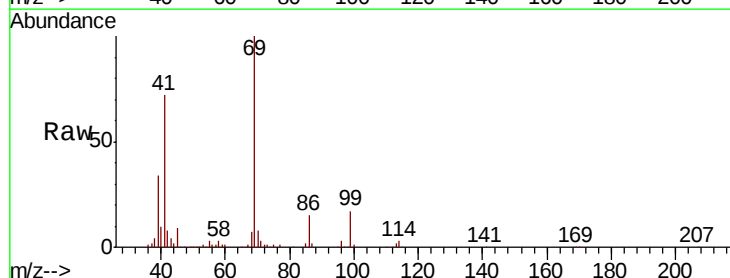
Tgt Ion: 69 Resp: 254556

Ion Ratio Lower Upper

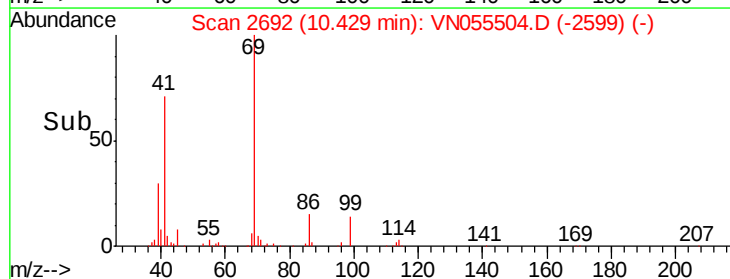
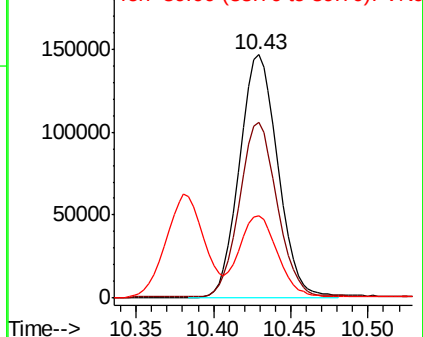
69 100

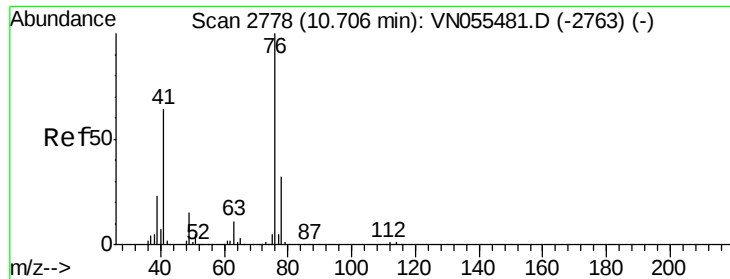
41 69.9 56.2 84.2

39 33.0 27.8 41.6



Abundance Ion 69.00 (68.70 to 69.70): VNO
200000 Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.237 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

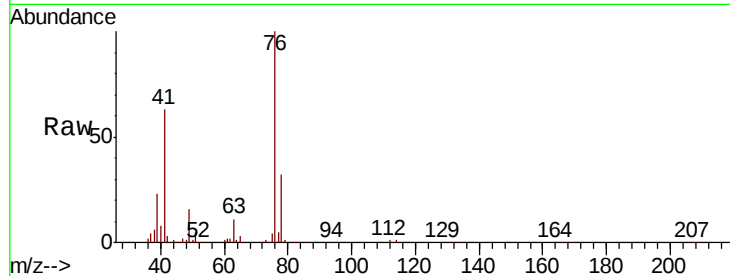
ClientSampled :

Tot Ion: 76 Resp: 320815

Ion Ratio Lower Upper

76 100

78 30.8 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

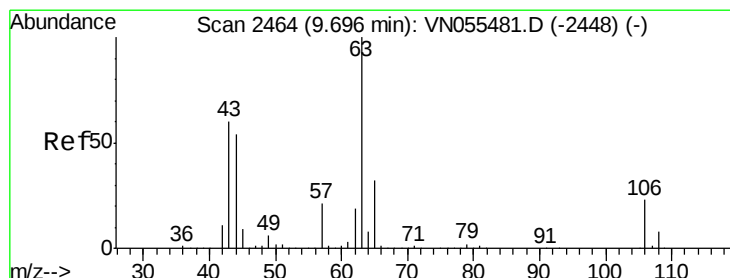
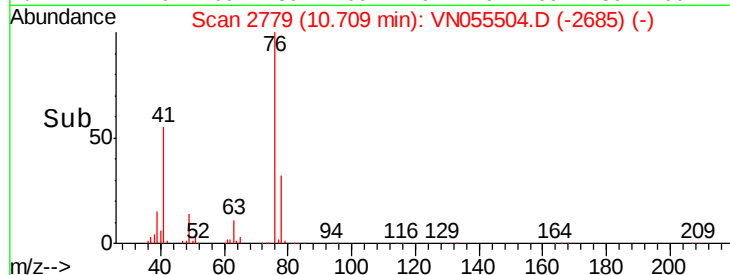
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 85.306 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055504.D

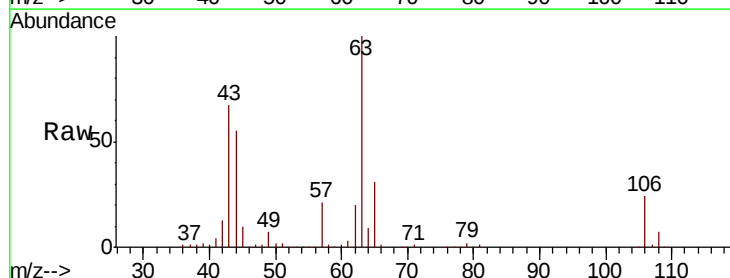
Acq: 9 May 2019 18:09

Tgt Ion: 63 Resp: 342627

Ion Ratio Lower Upper

63 100

106 23.4 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

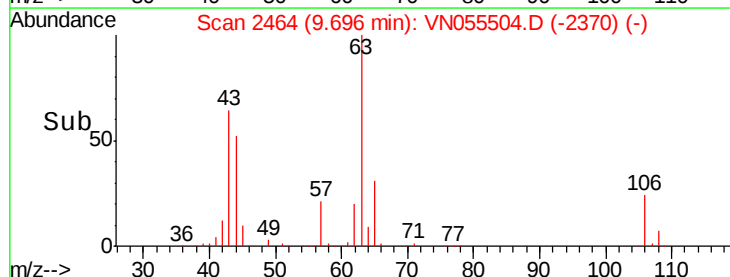
150000

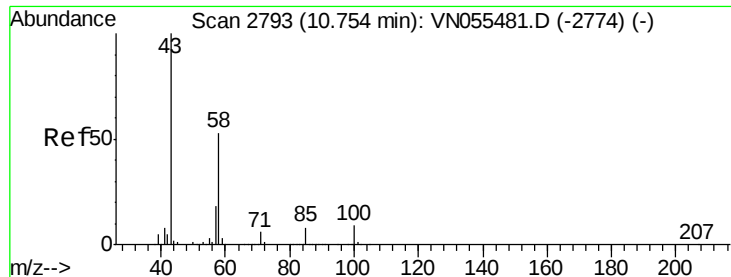
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

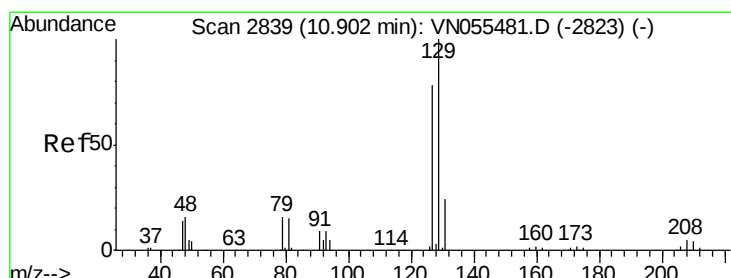
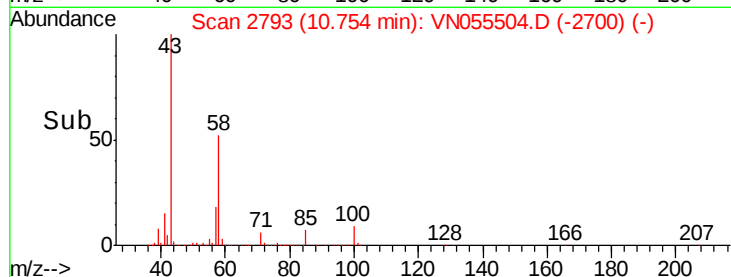
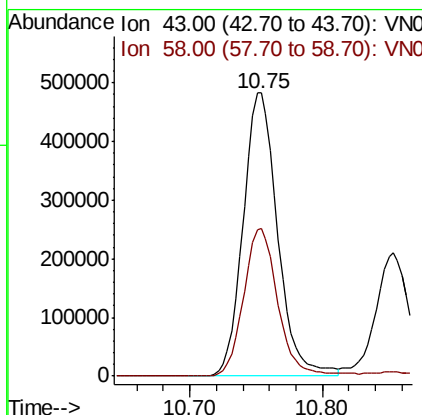
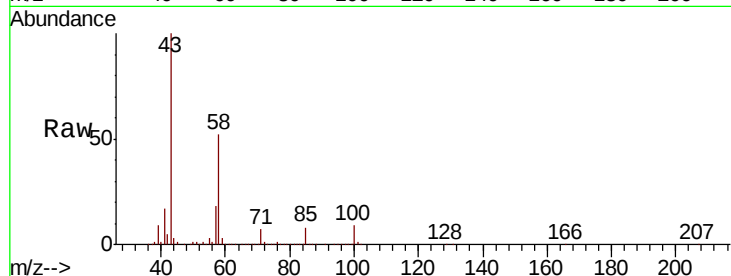




#59
2-Hexanone
Concen: 91.560 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

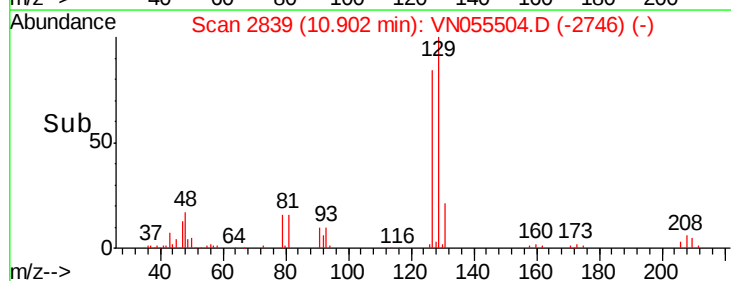
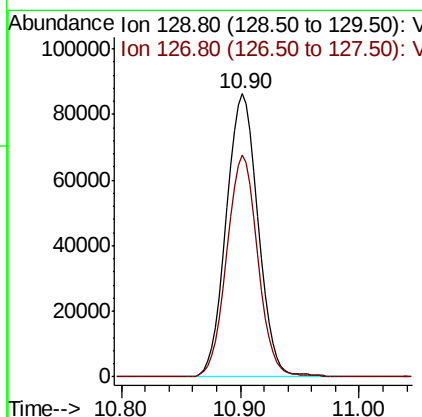
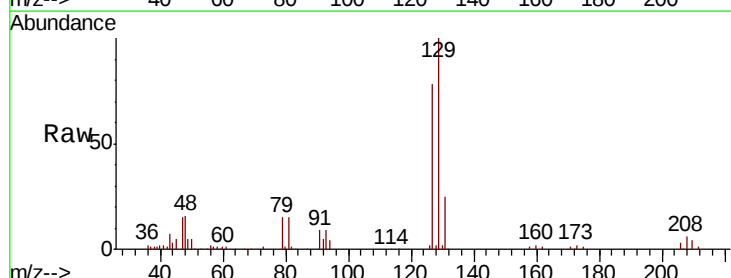
Instrument :
MSVOA_N
ClientSampleId :

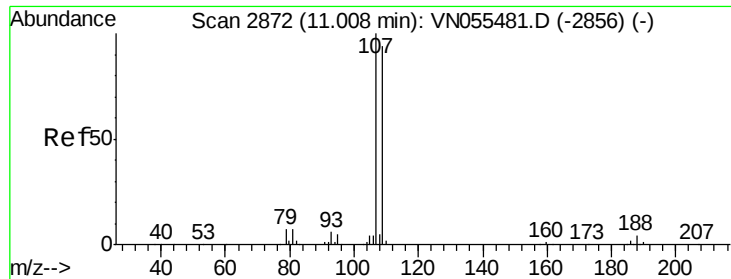
Tot Ion: 43 Resp: 869330
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0



#60
Dibromochloromethane
Concen: 19.780 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 129 Resp: 160591
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.749 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

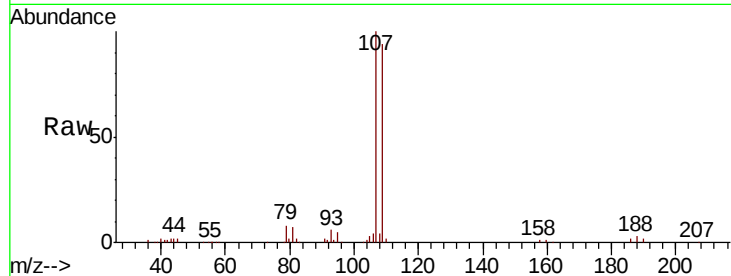
ClientSampled :

Tot Ion: 107 Resp: 169439

Ion Ratio Lower Upper

107 100

109 94.4 74.2 111.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

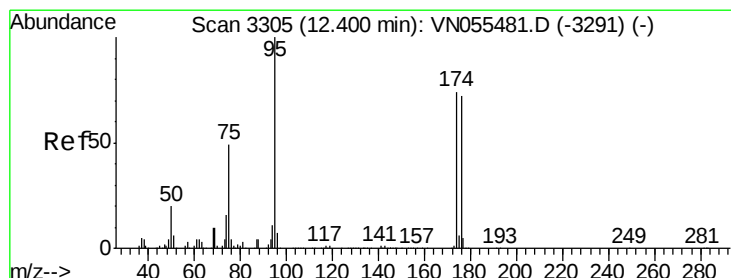
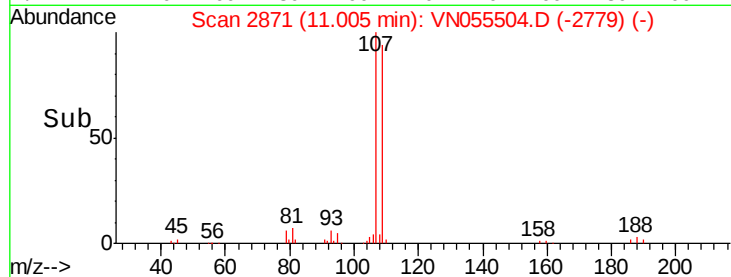
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.924 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

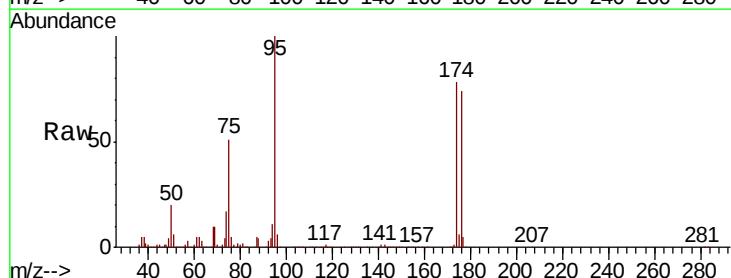
Tgt Ion: 95 Resp: 522859

Ion Ratio Lower Upper

95 100

174 78.8 0.0 152.2

176 75.1 0.0 147.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

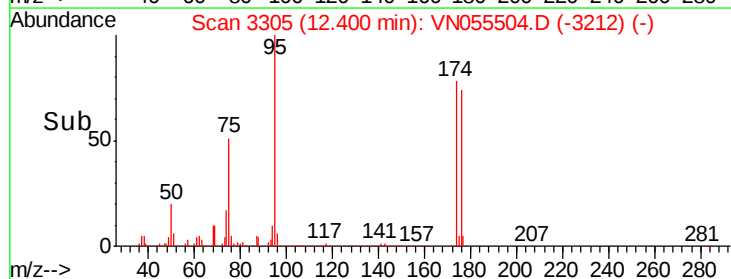
300000

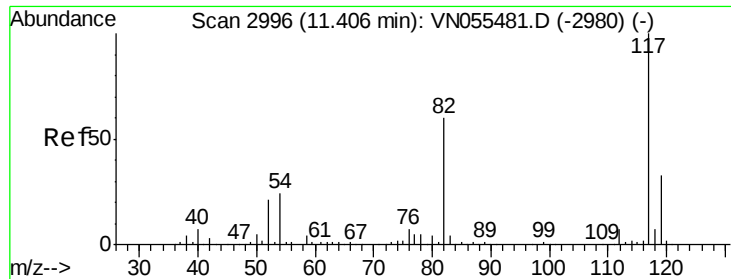
200000

100000

0

Time--> 12.30 12.40 12.50

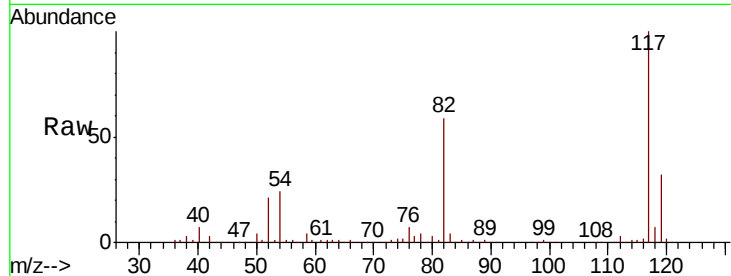




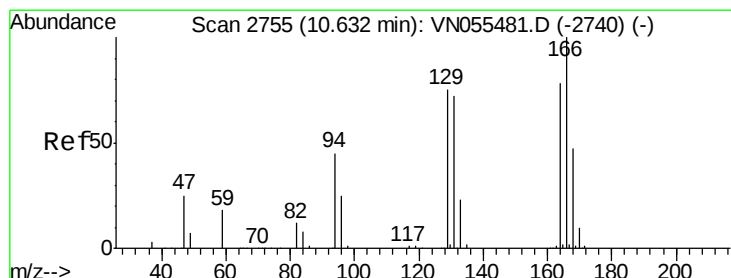
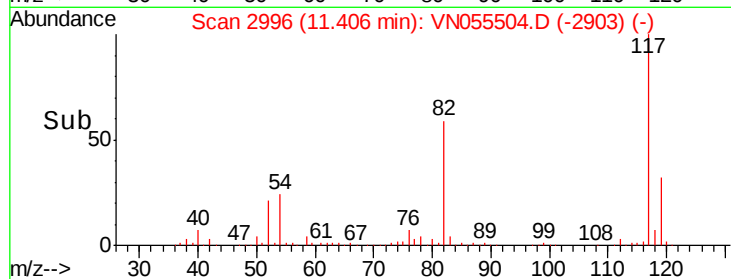
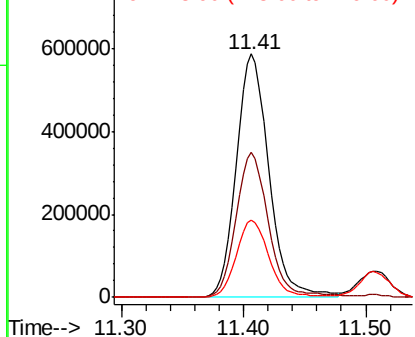
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1086754
Ion Ratio Lower Upper
117 100
82 59.4 48.0 72.0
119 31.8 26.0 39.0

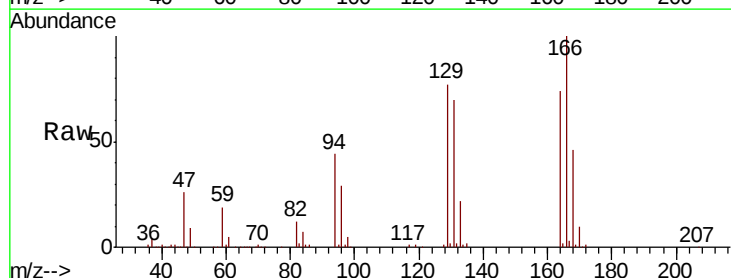


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

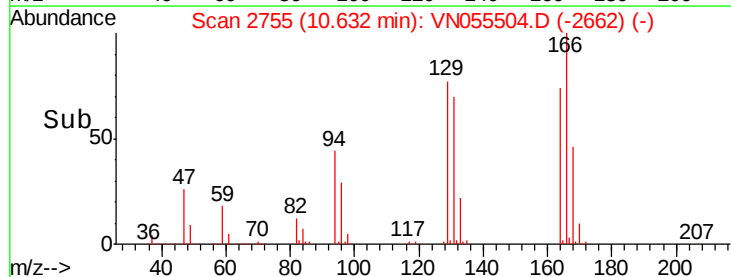
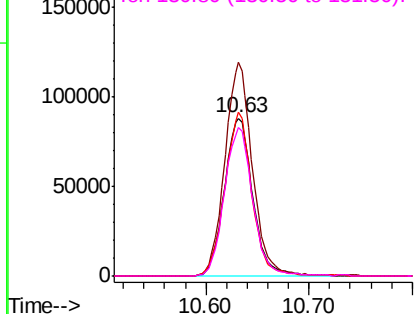


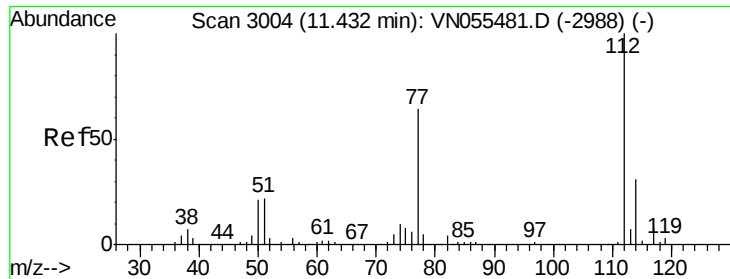
#64
Tetrachloroethene
Concen: 18.953 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion:164 Resp: 168778
Ion Ratio Lower Upper
164 100
166 135.2 102.6 153.8
129 103.4 77.0 115.6
131 94.0 73.7 110.5



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

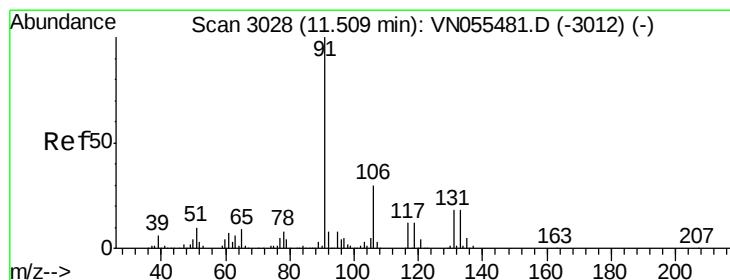
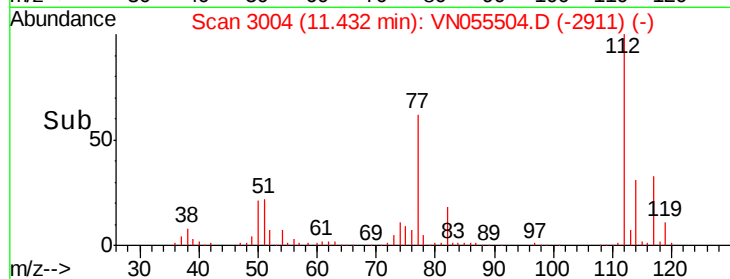
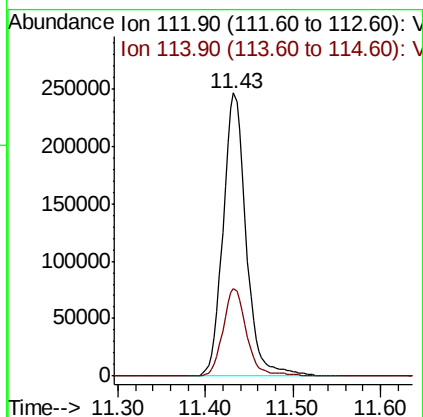
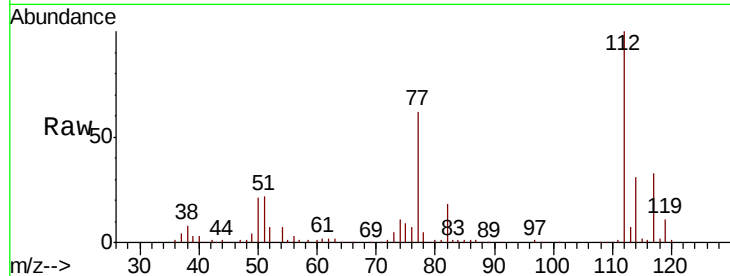




#65
Chlorobenzene
Concen: 20.175 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

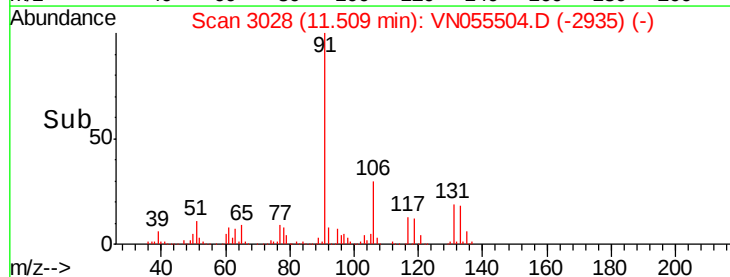
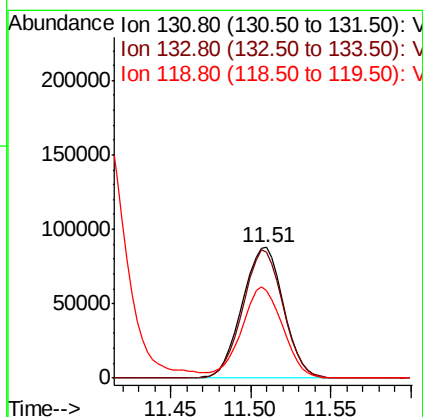
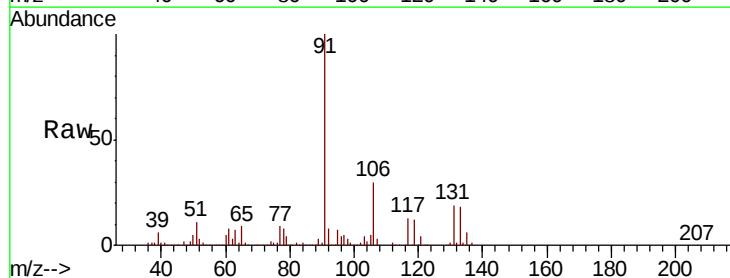
Instrument :
MSVOA_N
ClientSampled :

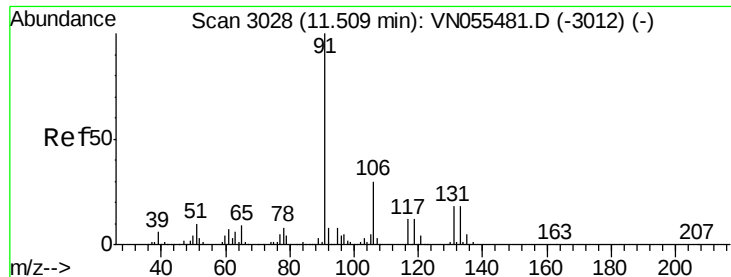
Tot Ion:112 Resp: 451084
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.166 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion:131 Resp: 155226
Ion Ratio Lower Upper
131 100
133 95.5 47.4 142.2
119 69.7 34.1 102.2





#67

Ethyl Benzene

Concen: 19.653 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

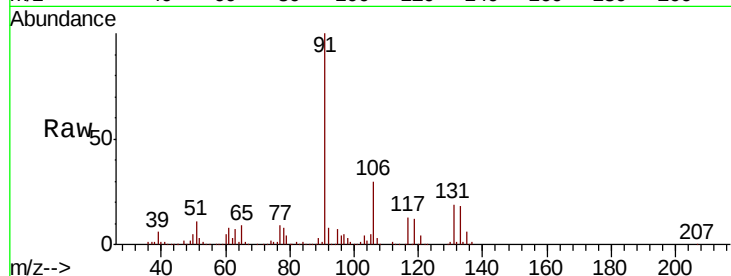
ClientSampled :

Tot Ion: 91 Resp: 825269

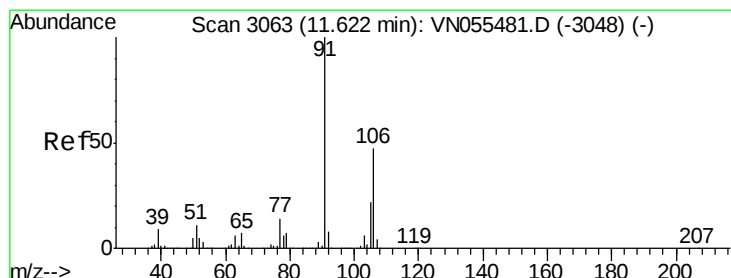
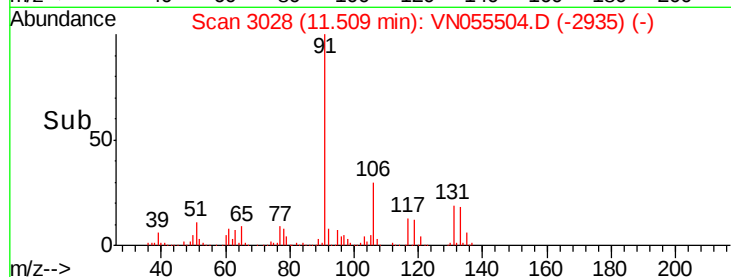
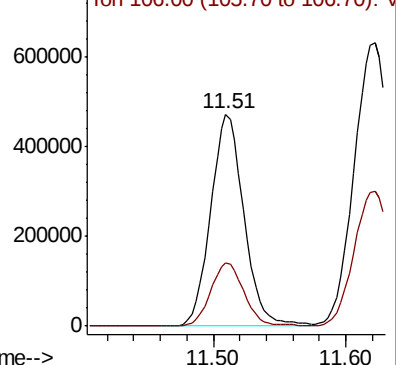
Ion Ratio Lower Upper

91 100

106 29.8 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3012) (-)



#68

m/p-Xylenes

Concen: 40.024 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055504.D

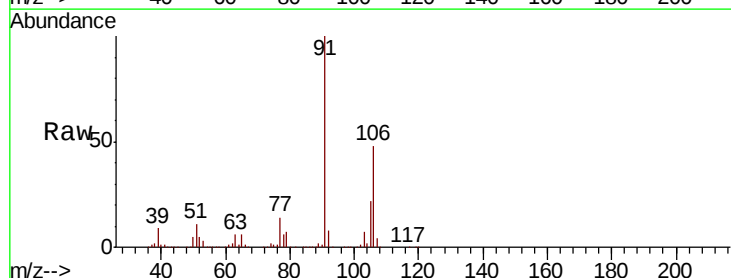
Acq: 9 May 2019 18:09

Tgt Ion: 106 Resp: 603151

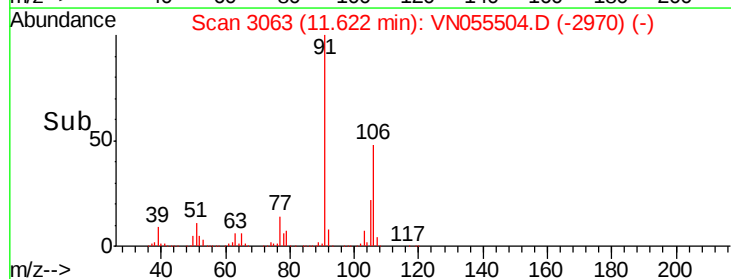
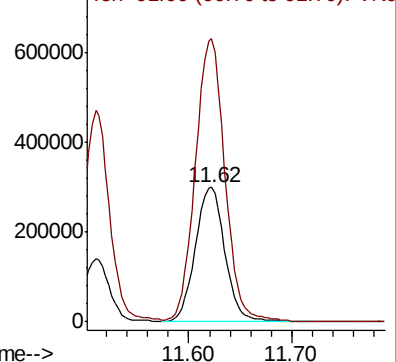
Ion Ratio Lower Upper

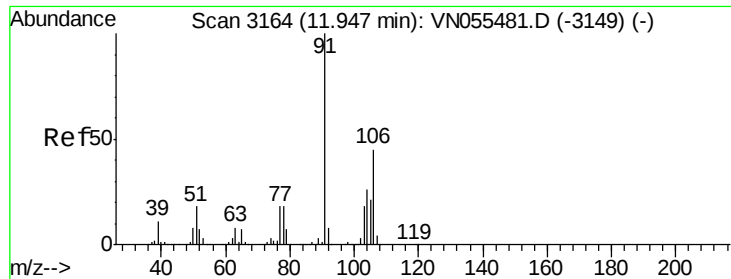
106 100

91 209.5 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055481.D (-3048) (-)

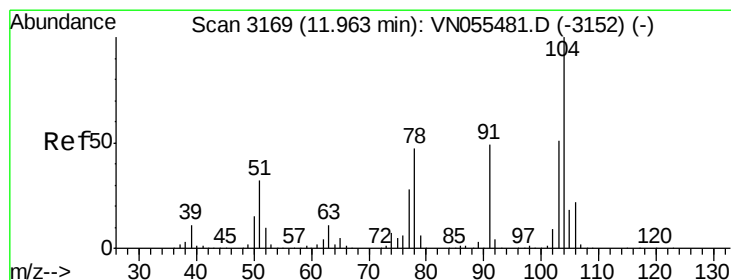
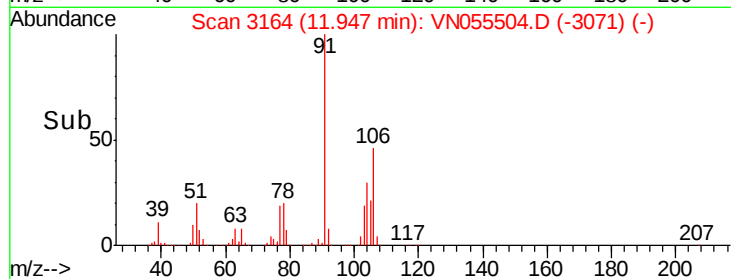
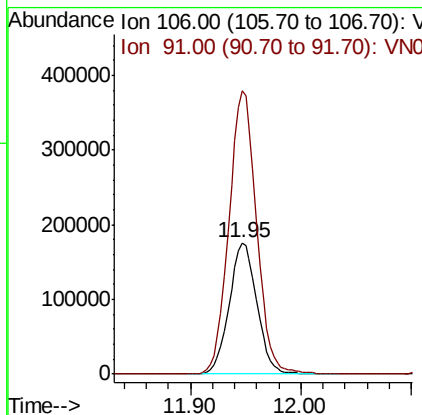
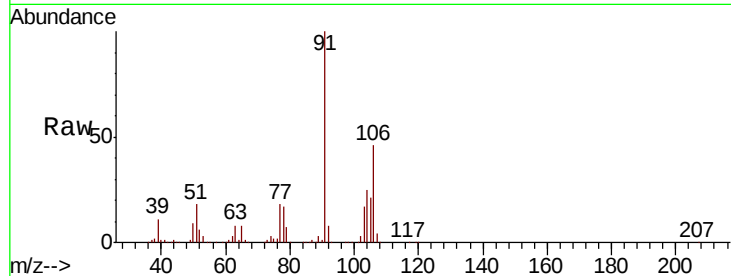




#69
o-Xylene
Concen: 20.615 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

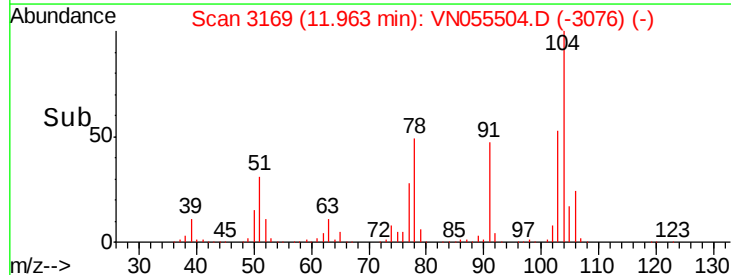
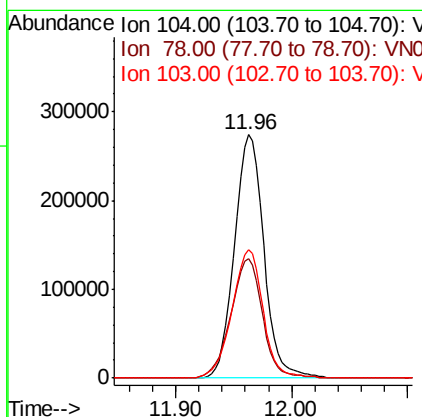
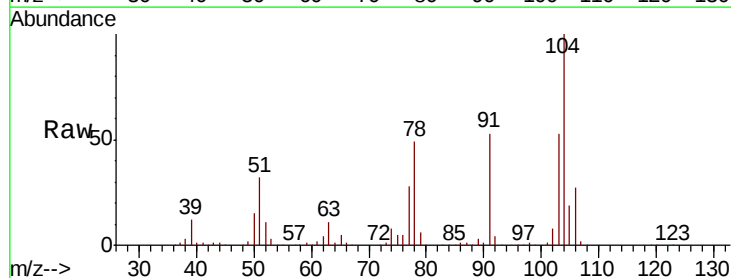
Instrument :
MSVOA_N
ClientSampled :

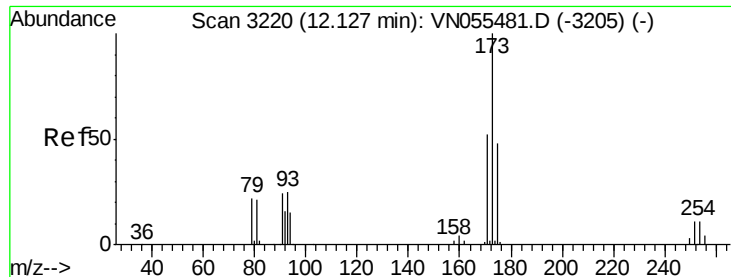
Tot Ion:106 Resp: 305342
Ion Ratio Lower Upper
106 100
91 215.6 111.3 333.8



#70
Styrene
Concen: 20.272 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion:104 Resp: 481055
Ion Ratio Lower Upper
104 100
78 52.9 41.6 62.4
103 55.7 44.4 66.6





#71

Bromoform

Concen: 19.786 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

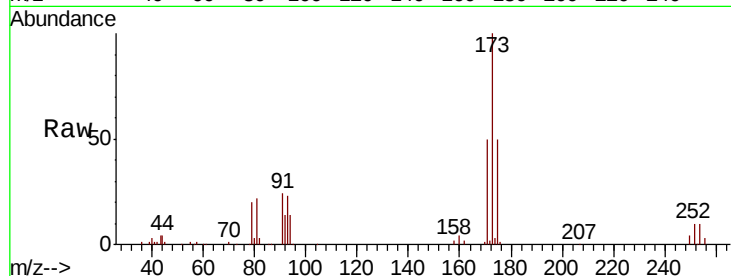
Tot Ion:173 Resp: 102771

Ion Ratio Lower Upper

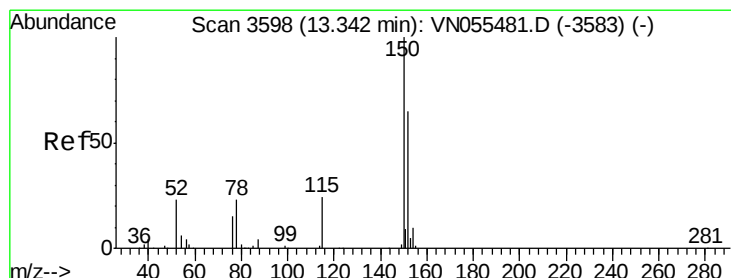
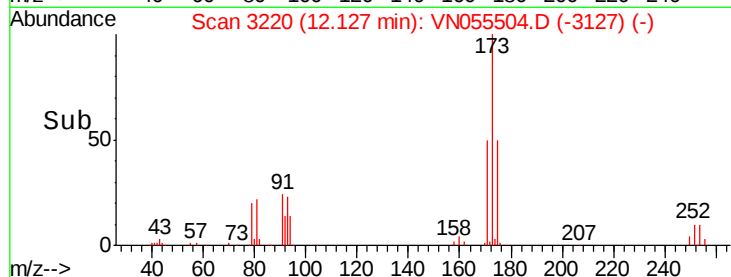
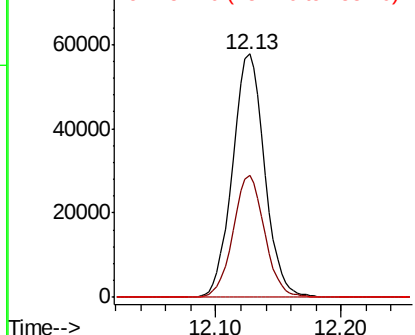
173 100

175 49.1 24.1 72.4

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

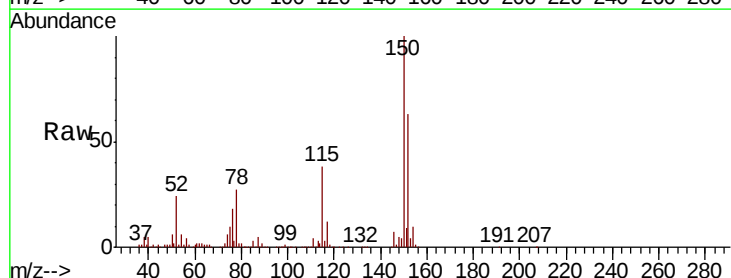
Tgt Ion:152 Resp: 411468

Ion Ratio Lower Upper

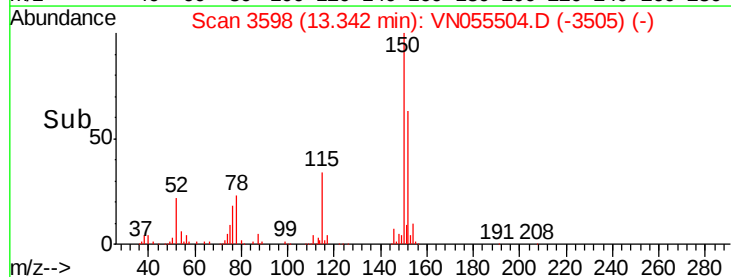
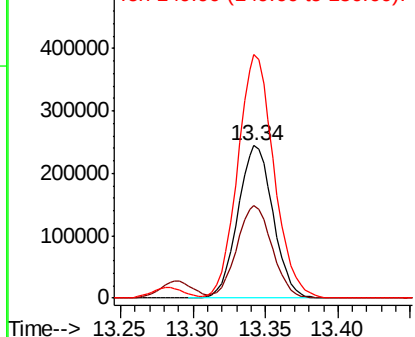
152 100

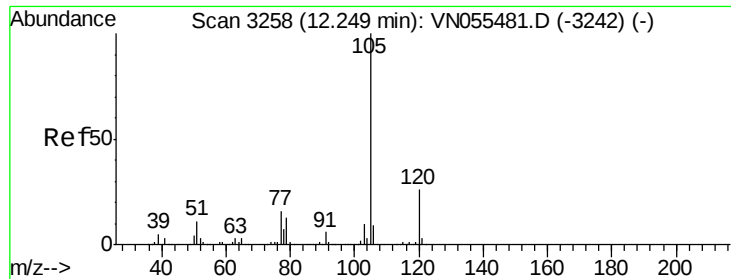
115 60.9 30.1 90.5

150 164.7 0.0 355.0



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: 21.709 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

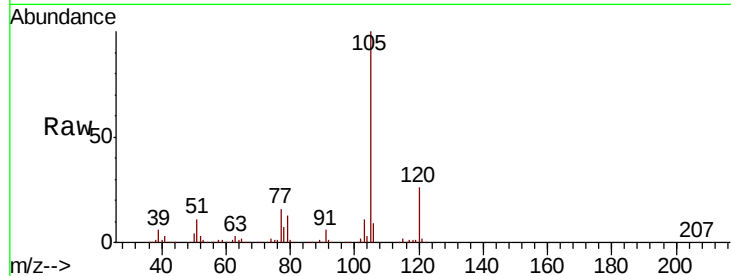
ClientSampled :

Tot Ion:105 Resp: 784619

Ion Ratio Lower Upper

105 100

120 25.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500000

400000

300000

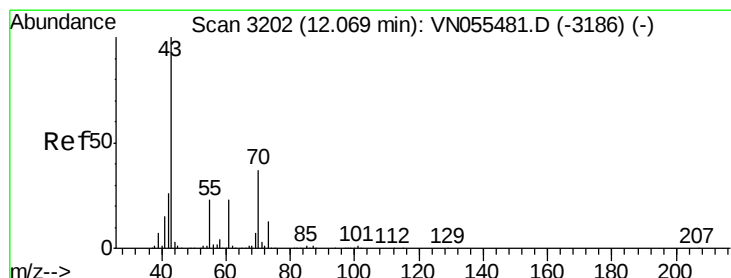
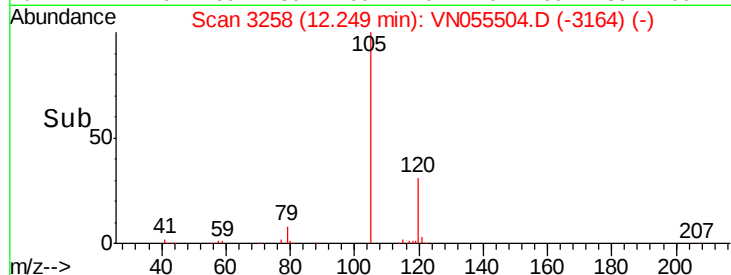
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 19.395 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion: 43 Resp: 302985

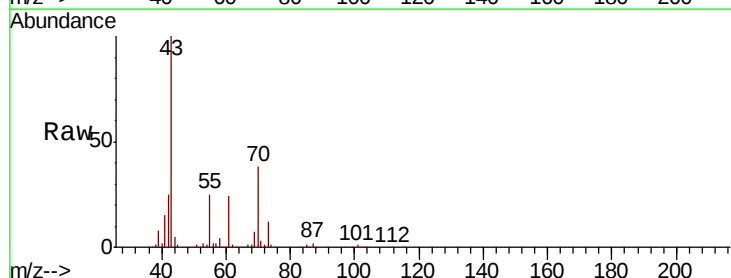
Ion Ratio Lower Upper

43 100

70 38.6 30.7 46.1

55 24.6 19.3 28.9

61 23.7 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

250000

200000

150000

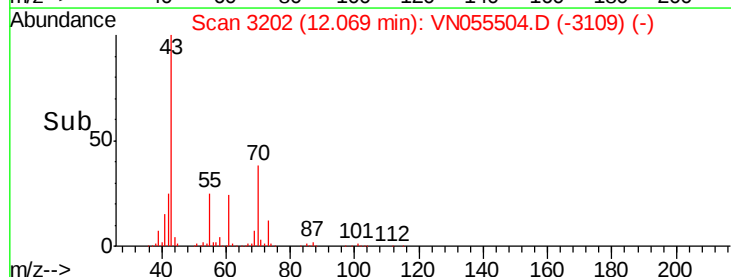
100000

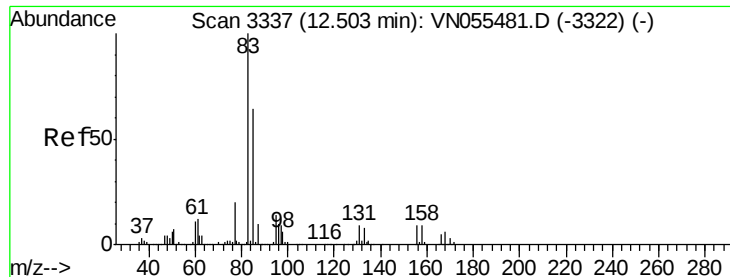
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 21.910 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

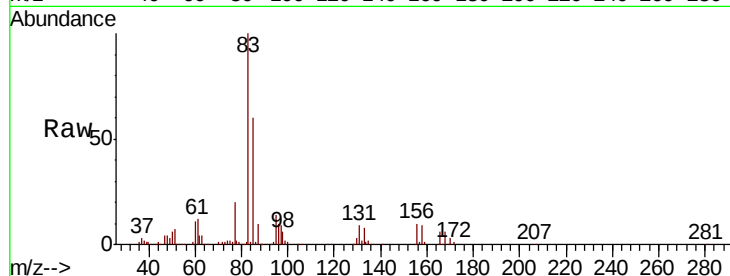
Tot Ion: 83 Resp: 256854

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

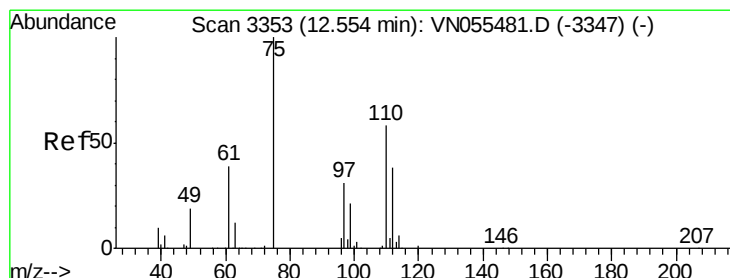
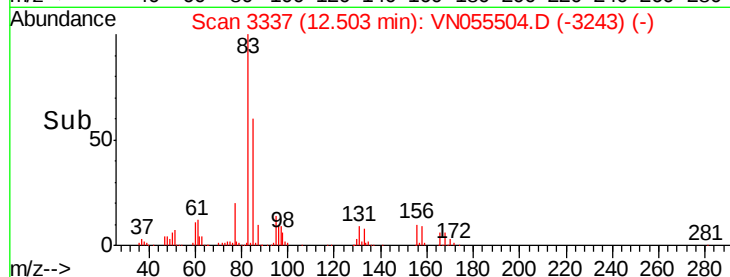
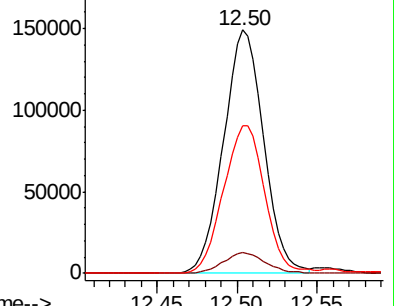
85 62.8 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN055504.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055504.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055504.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 25.988 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055504.D

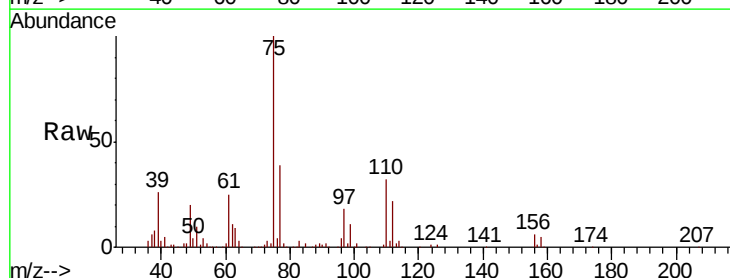
Acq: 9 May 2019 18:09

Tgt Ion: 75 Resp: 291107

Ion Ratio Lower Upper

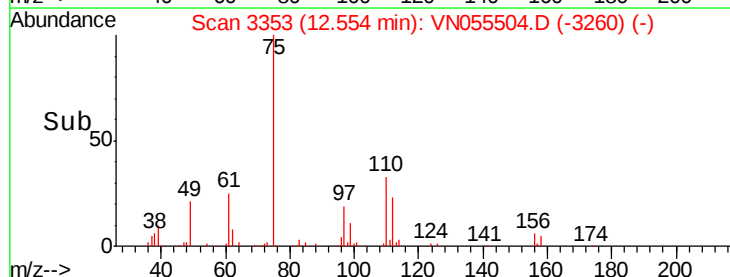
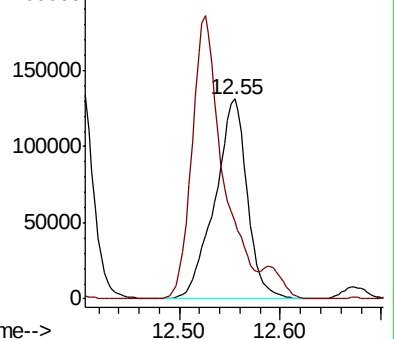
75 100

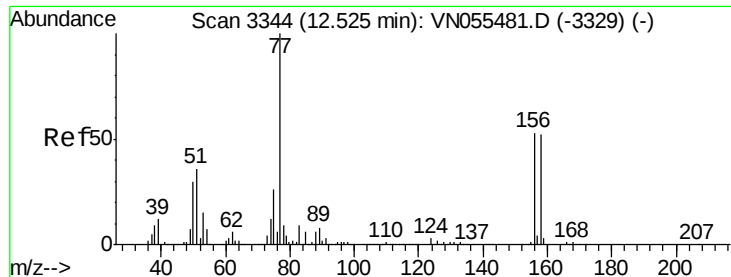
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055504.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055504.D (-3353) (-)





#77

Bromobenzene

Concen: 19.912 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

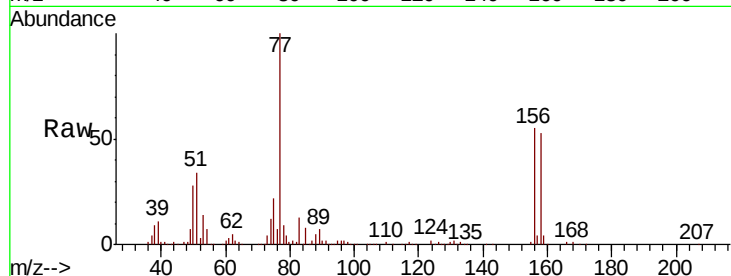
Tot Ion:156 Resp: 180561

Ion Ratio Lower Upper

156 100

77 220.1 115.4 346.2

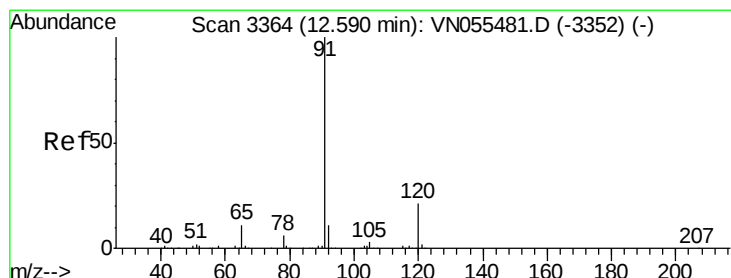
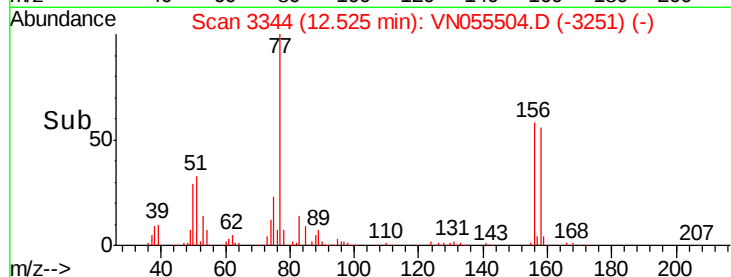
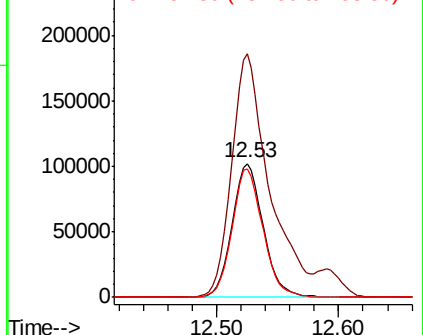
158 95.4 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.764 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055504.D

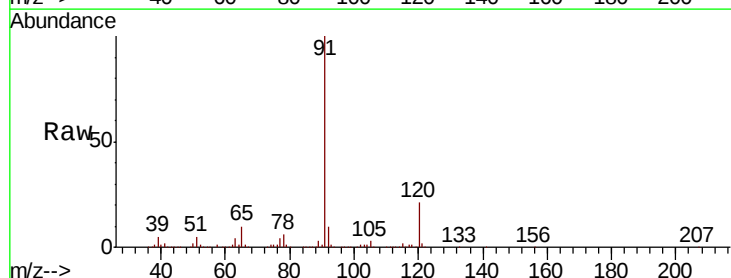
Acq: 9 May 2019 18:09

Tgt Ion: 91 Resp: 872248

Ion Ratio Lower Upper

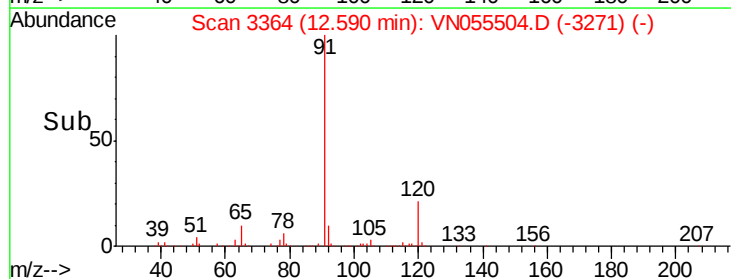
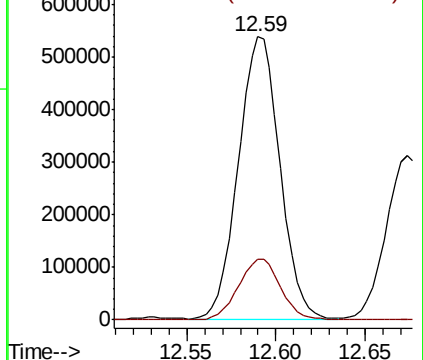
91 100

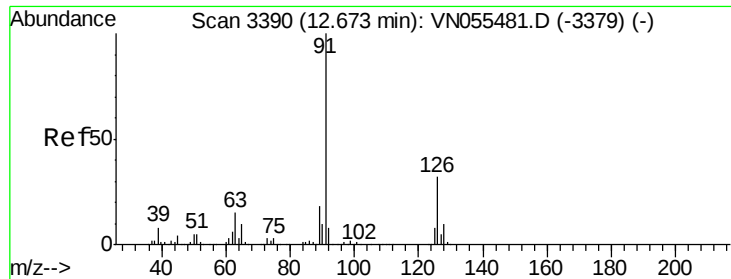
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.462 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

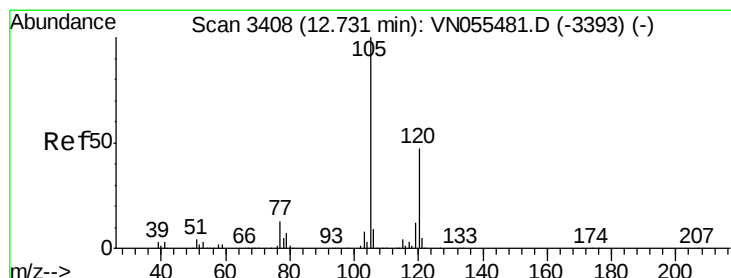
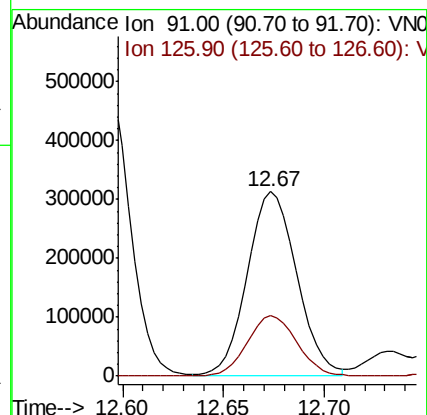
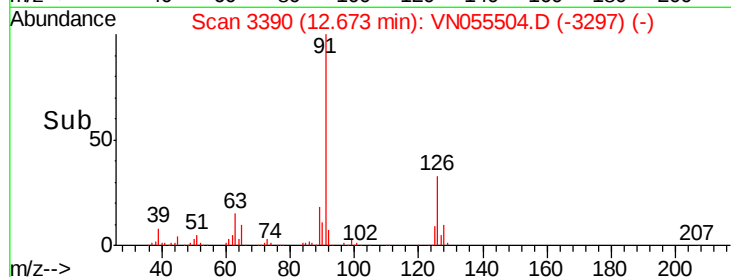
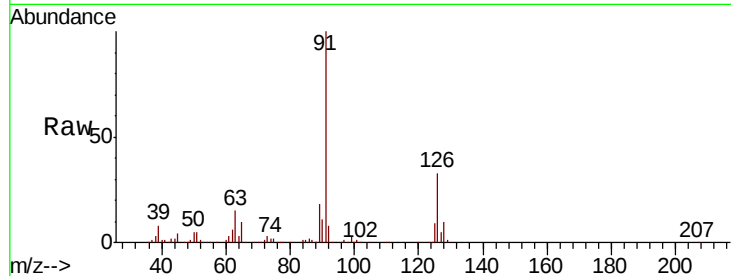
ClientSampleId :

Tot Ion: 91 Resp: 535284

Ion Ratio Lower Upper

91 100

126 33.1 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 19.682 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055504.D

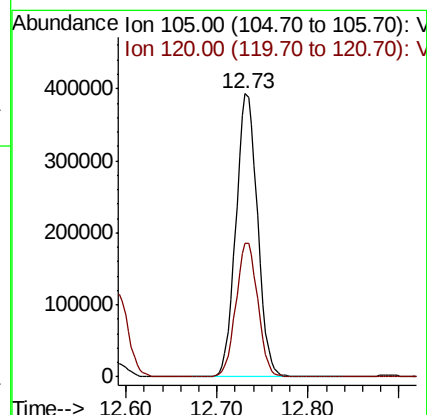
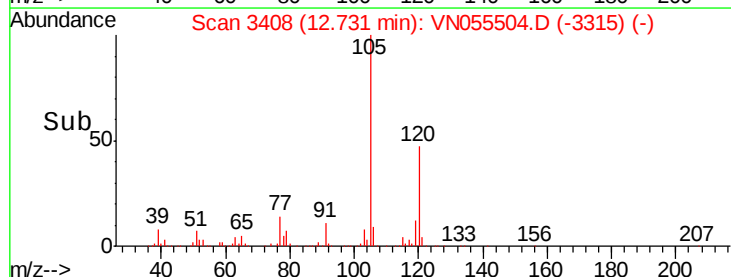
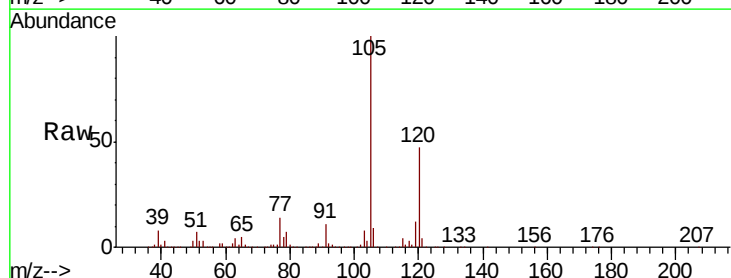
Acq: 9 May 2019 18:09

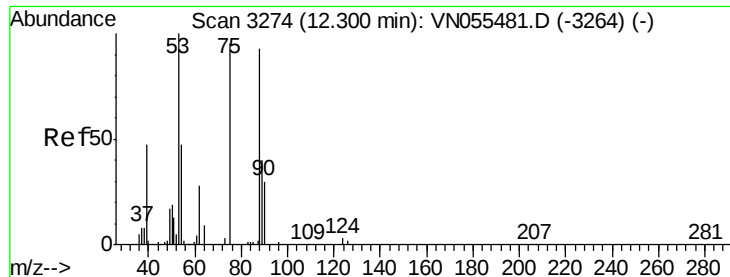
Tgt Ion:105 Resp: 647676

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.017 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

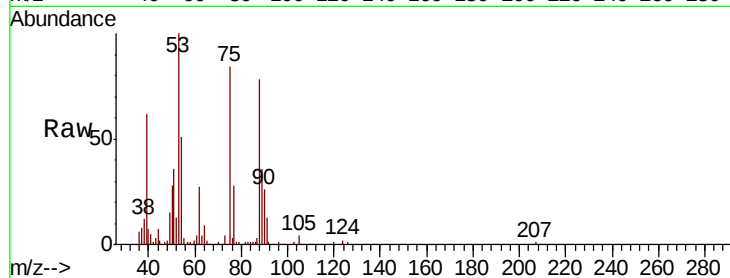
Tot Ion: 75 Resp: 48623

Ion Ratio Lower Upper

75 100

53 122.6 86.5 129.7

89 44.1 35.7 53.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

200000

150000

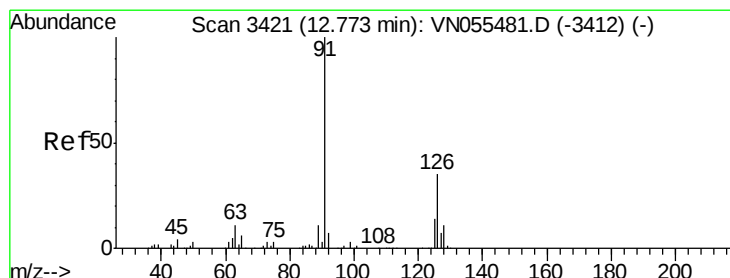
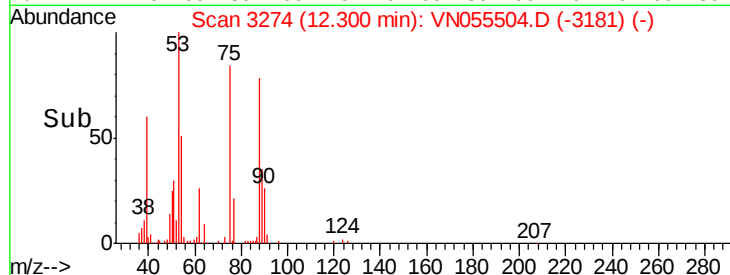
100000

50000

0

12.25 12.30 12.35

Time-->



#82

4-Chlorotoluene

Concen: 19.536 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055504.D

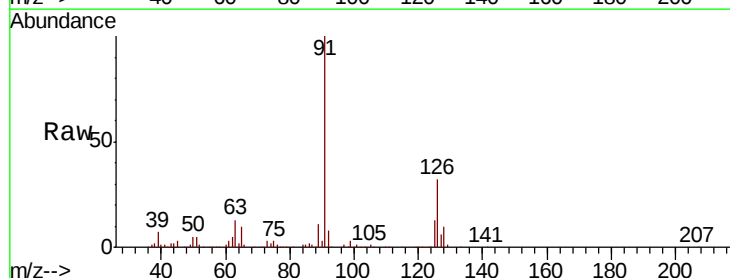
Acq: 9 May 2019 18:09

Tgt Ion: 91 Resp: 507709

Ion Ratio Lower Upper

91 100

126 32.0 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

300000

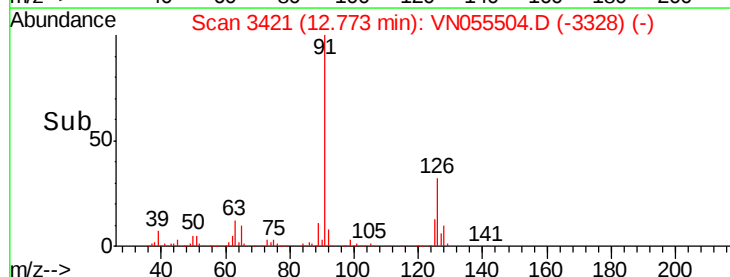
200000

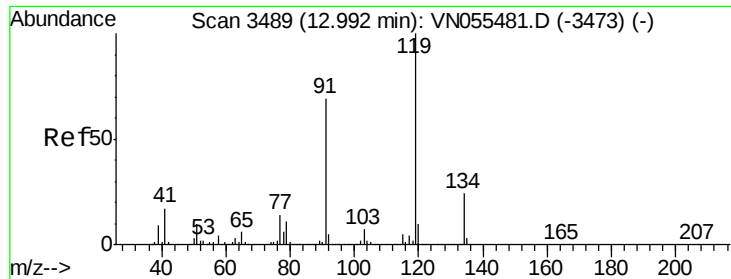
100000

0

12.70 12.75 12.80 12.85

Time-->

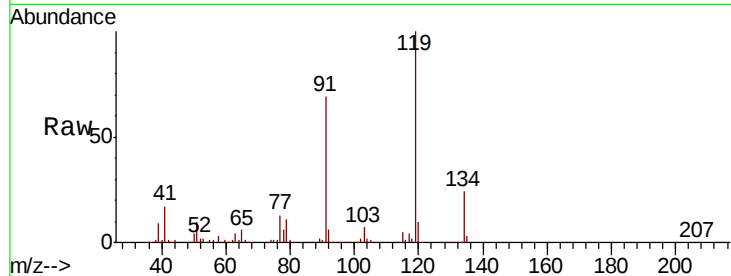




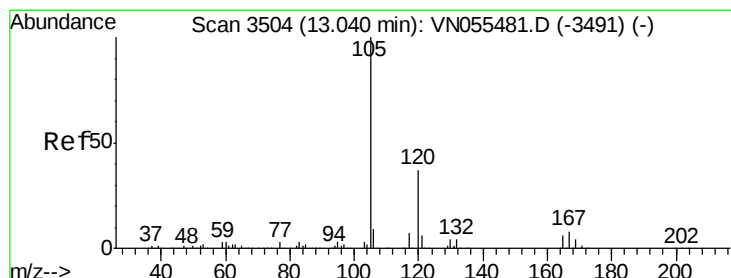
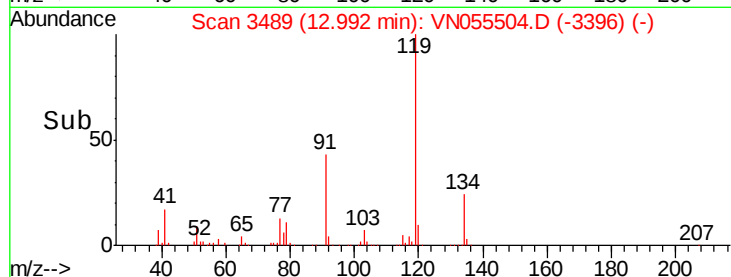
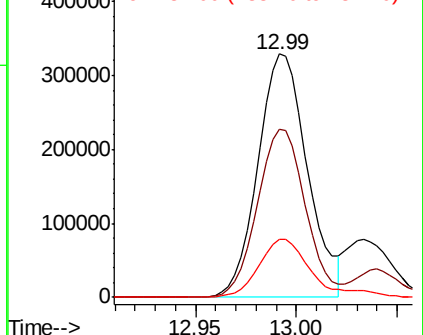
#83
tert-Butylbenzene
Concen: 19.984 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 563680
Ion Ratio Lower Upper
119 100
91 66.8 33.8 101.3
134 25.5 12.5 37.5

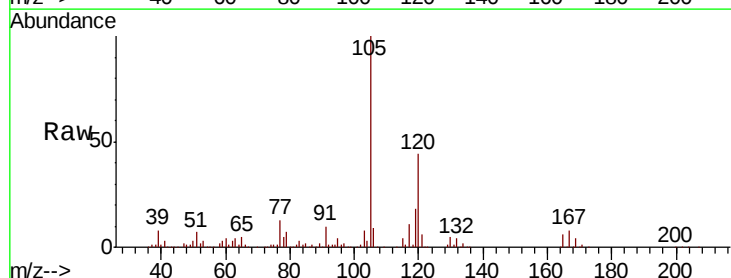


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

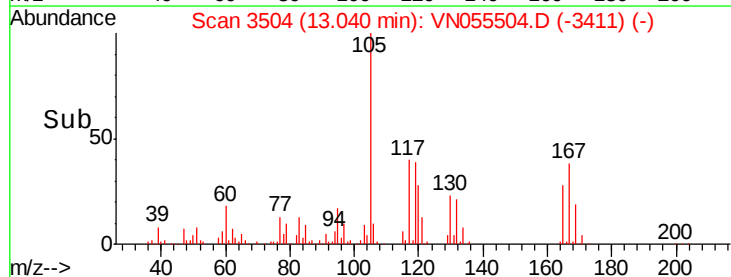
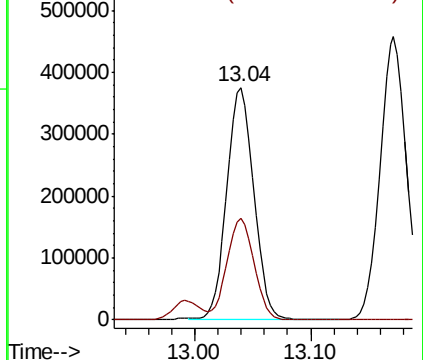


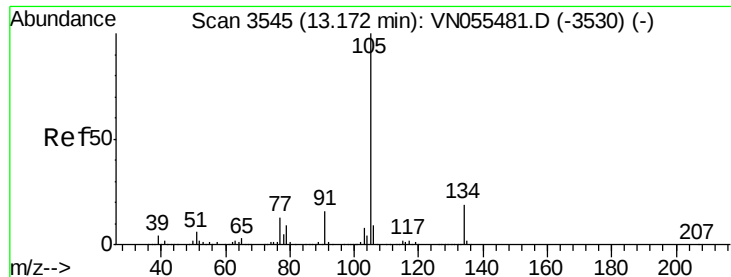
#84
1,2,4-Trimethylbenzene
Concen: 20.022 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion:105 Resp: 604264
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 19.428 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

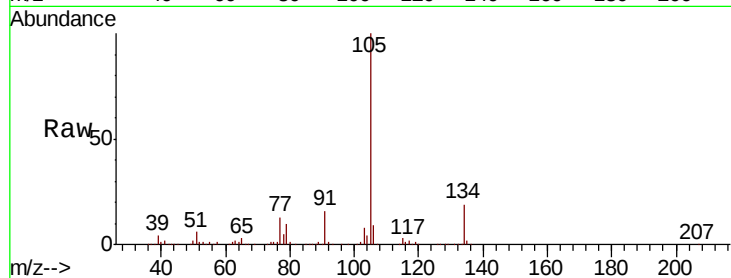
ClientSampled :

Tot Ion:105 Resp: 728281

Ion Ratio Lower Upper

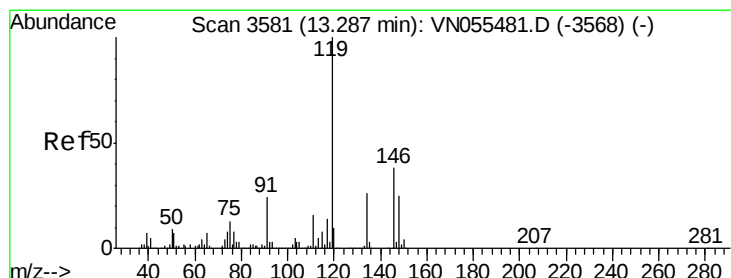
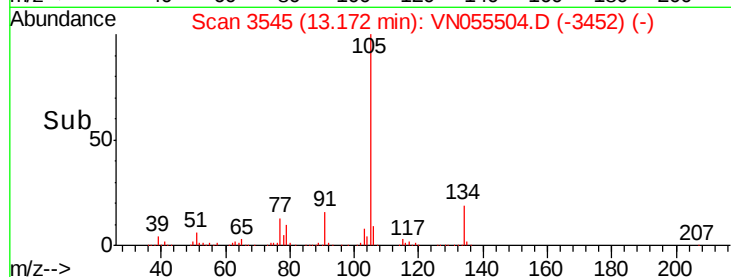
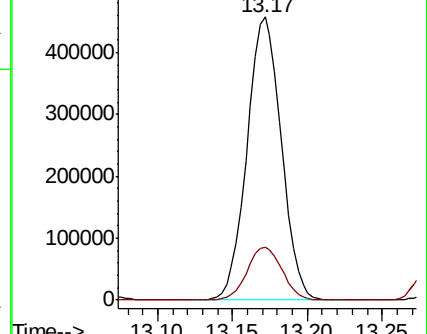
105 100

134 19.1 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.665 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

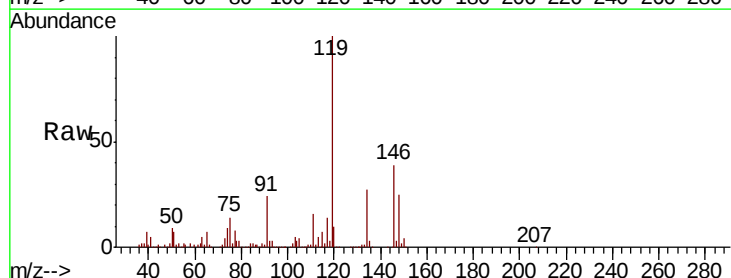
Tgt Ion:119 Resp: 599945

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

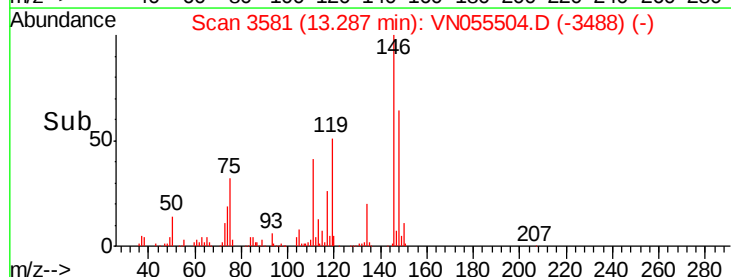
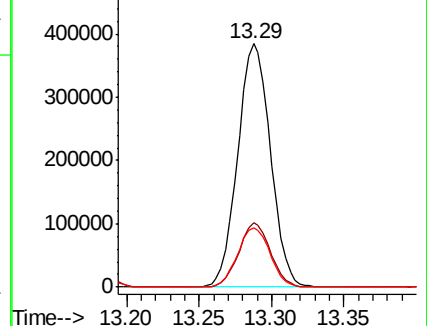
91 24.4 12.0 36.0

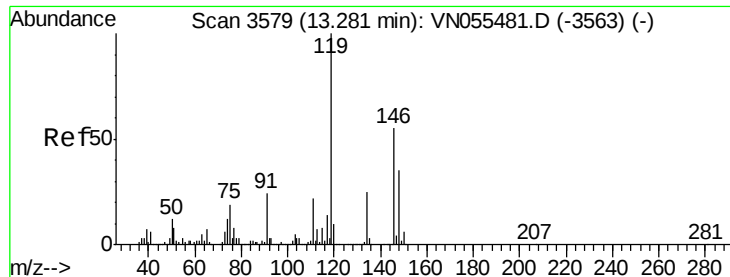


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.321 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

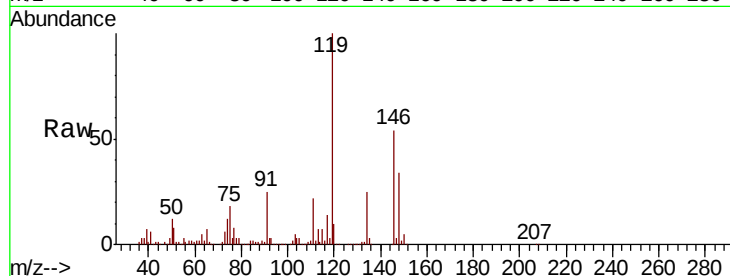
Tot Ion:146 Resp: 284734

Ion Ratio Lower Upper

146 100

111 40.6 20.4 61.3

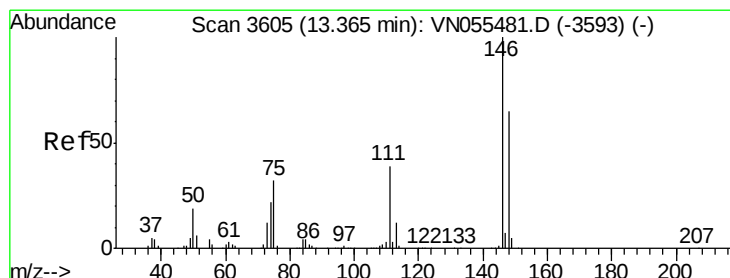
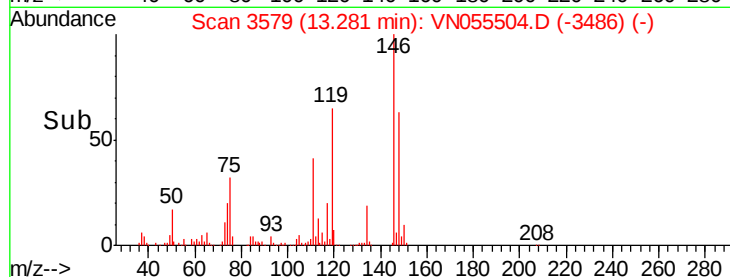
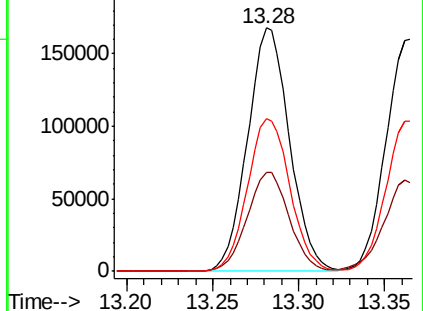
148 63.4 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.712 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

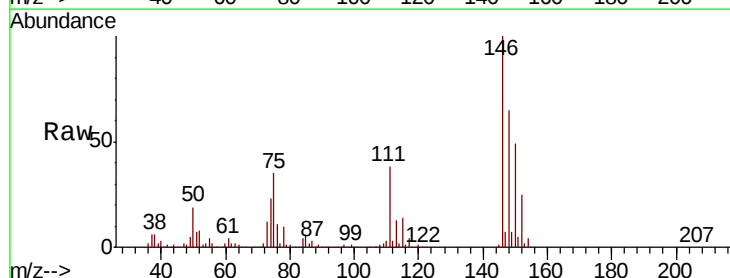
Tgt Ion:146 Resp: 272587

Ion Ratio Lower Upper

146 100

111 40.5 19.6 58.8

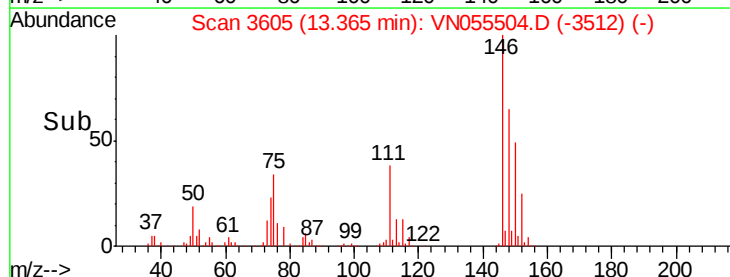
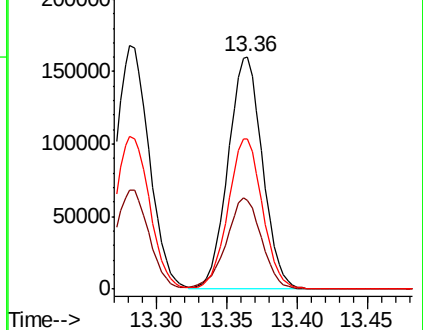
148 64.9 32.5 97.4

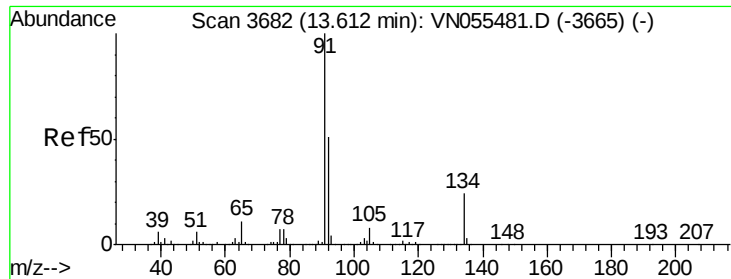


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.328 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

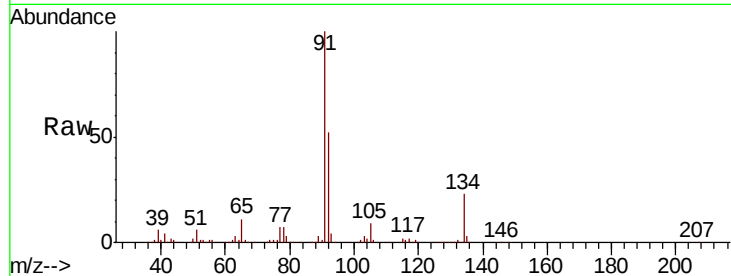
Tot Ion: 91 Resp: 433410

Ion Ratio Lower Upper

91 100

92 52.3 25.9 77.7

134 23.4 11.8 35.4

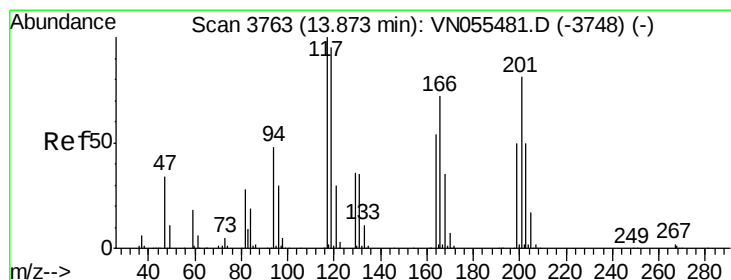
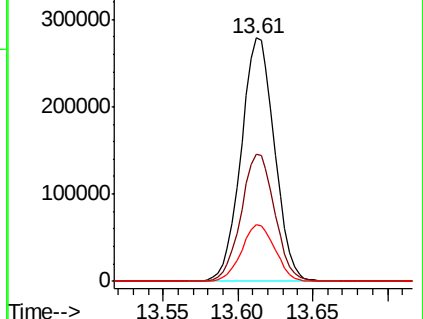
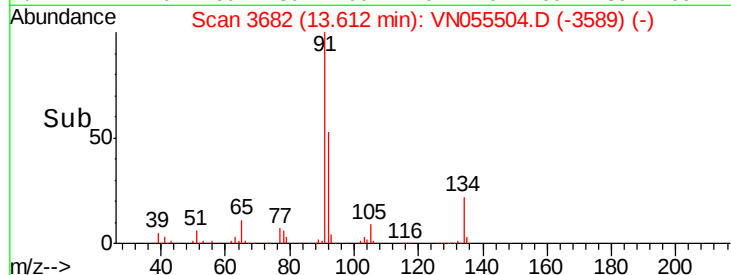


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)

Time-->



#90

Hexachloroethane

Concen: 18.862 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055504.D

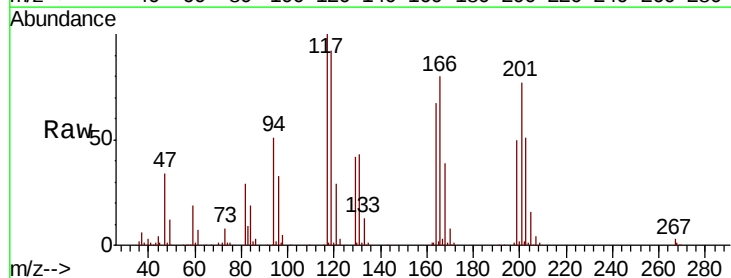
Acq: 9 May 2019 18:09

Tgt Ion: 117 Resp: 93868

Ion Ratio Lower Upper

117 100

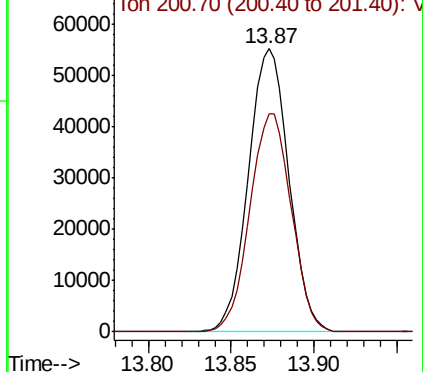
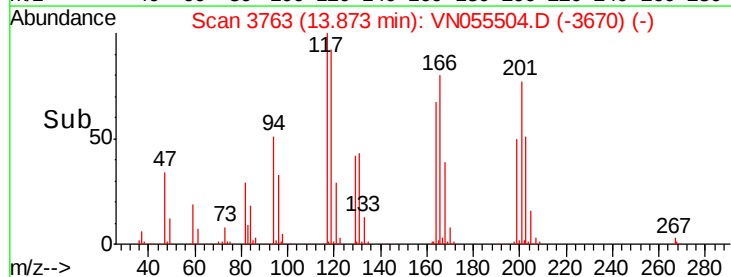
201 78.9 40.1 120.2

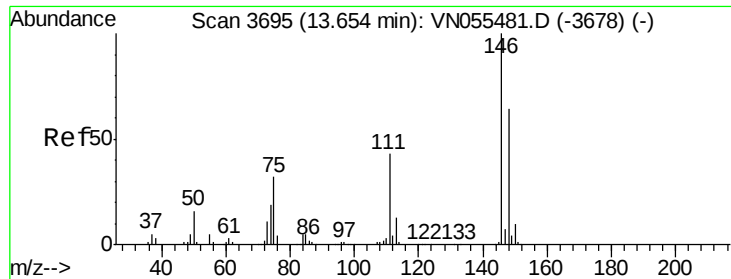


Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055481.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.415 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

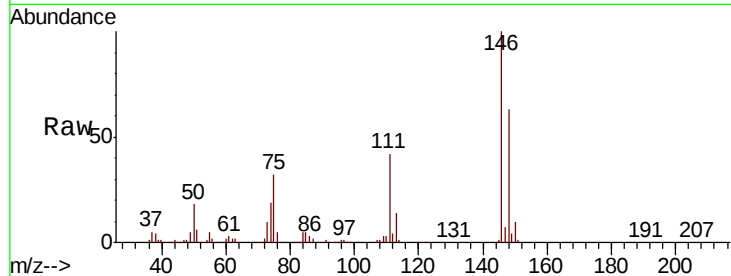
Tot Ion:146 Resp: 285899

Ion Ratio Lower Upper

146 100

111 42.7 21.3 63.7

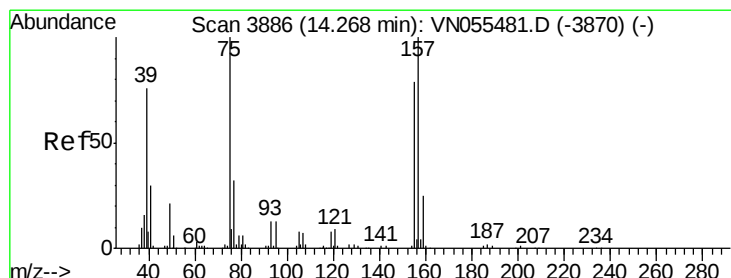
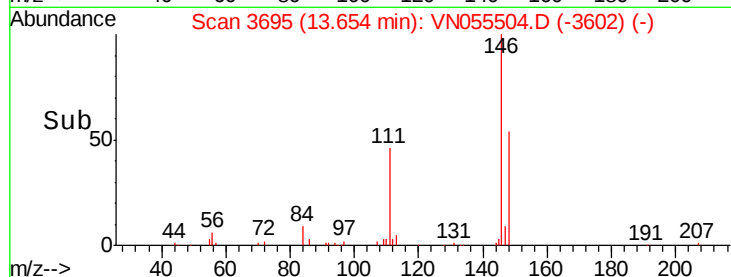
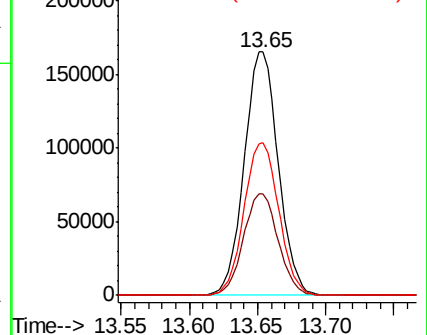
148 64.2 31.9 95.9



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: 18.389 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

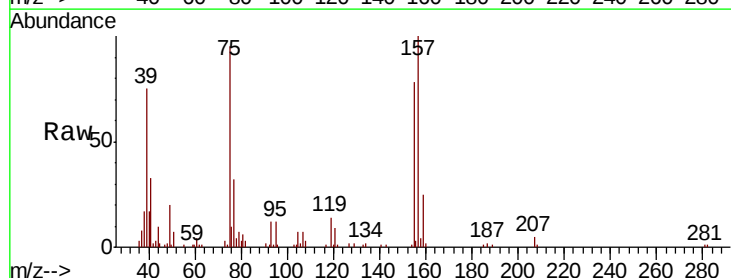
Tgt Ion: 75 Resp: 34794

Ion Ratio Lower Upper

75 100

155 82.0 39.3 117.8

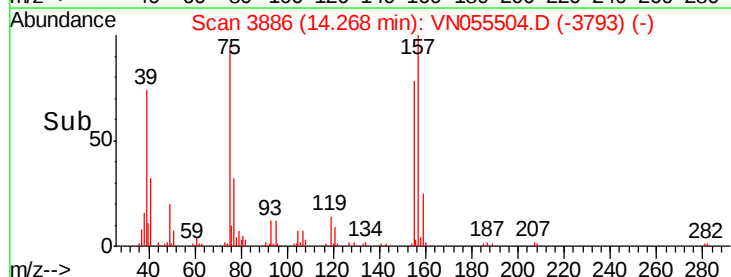
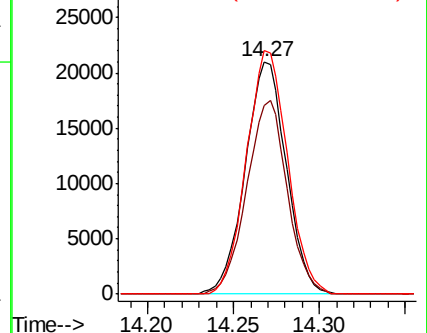
157 104.6 50.6 151.8

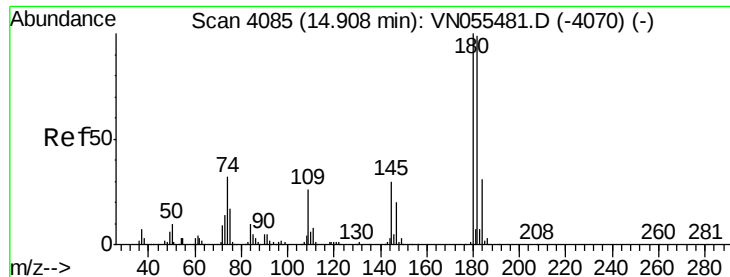


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

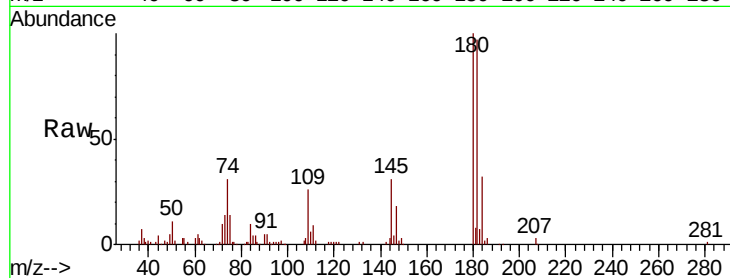




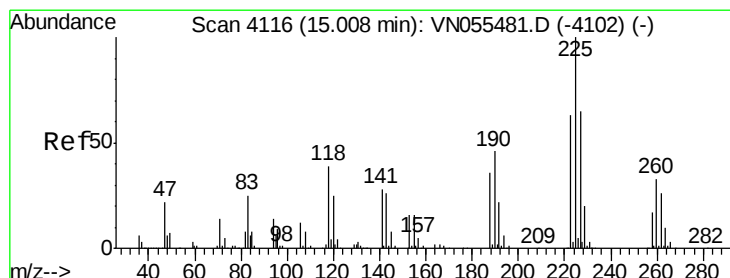
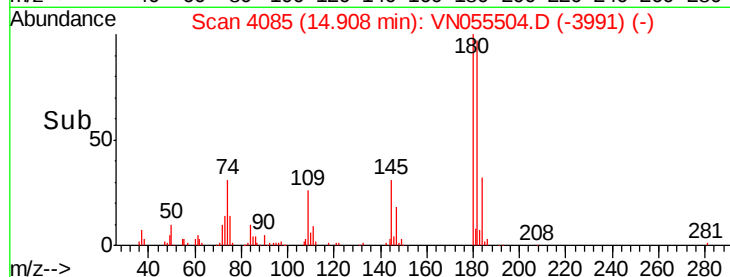
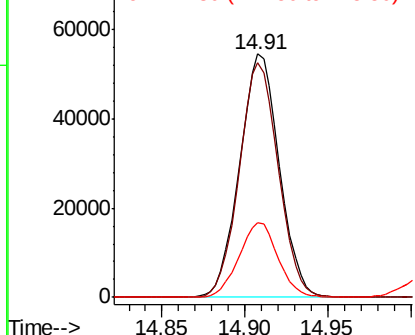
#93
 1,2,4-Trichlorobenzene
 Concen: 17.078 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 90384
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.7 146.1
 145 30.1 15.3 45.9

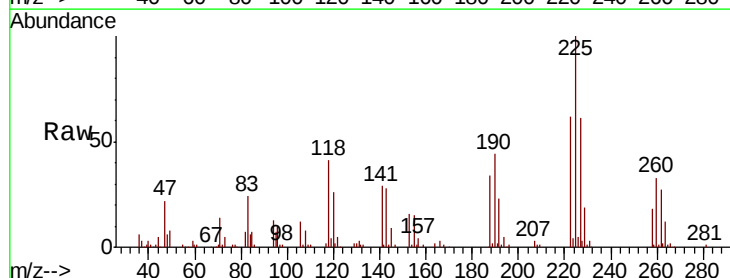


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

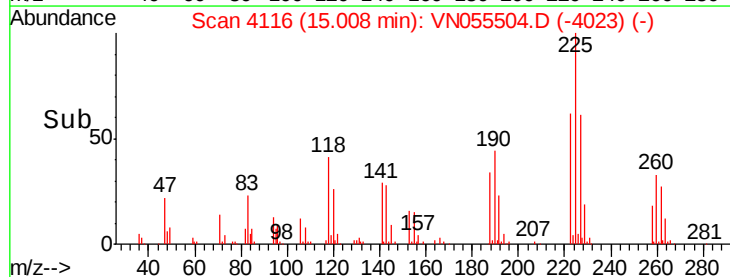
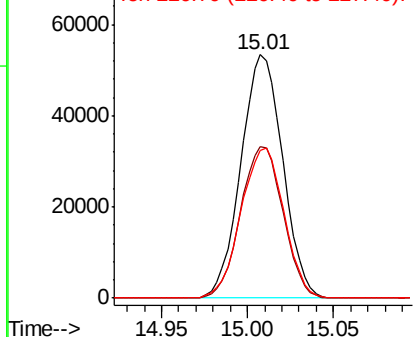


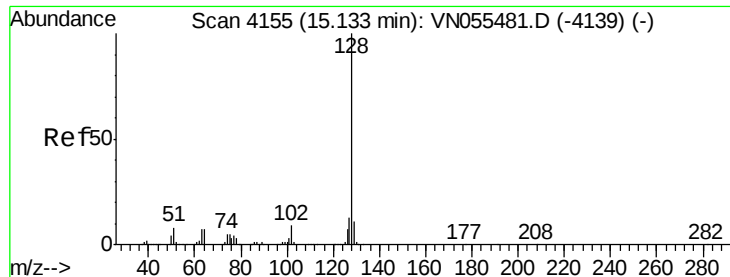
#94
 Hexachlorobutadiene
 Concen: 20.406 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion:225 Resp: 90280
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.3
 227 63.3 32.0 96.0



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





#95

Naphthalene

Concen: 16.679 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

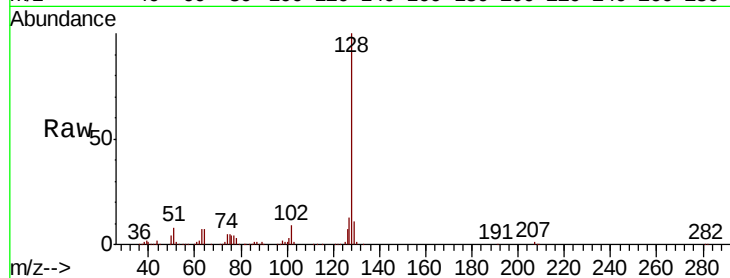
Tot Ion:128 Resp: 250460

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 10.6 8.8 13.2

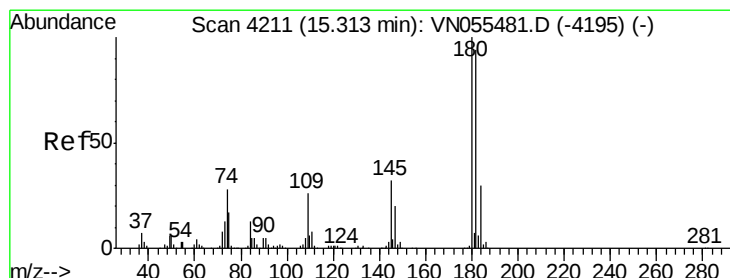
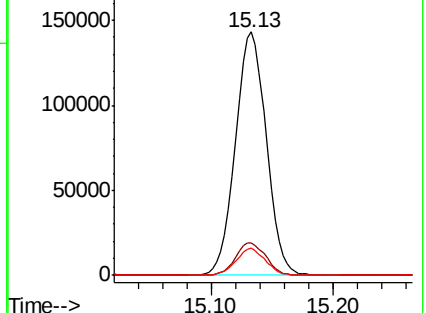
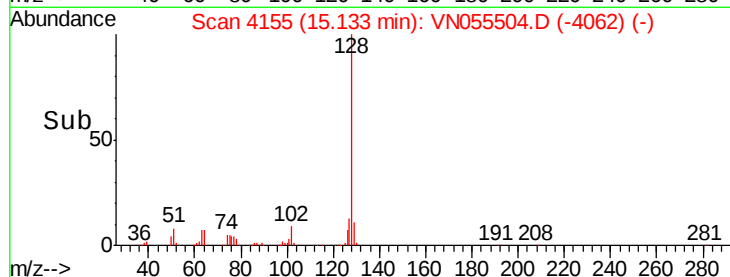


Abundance

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: 17.515 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

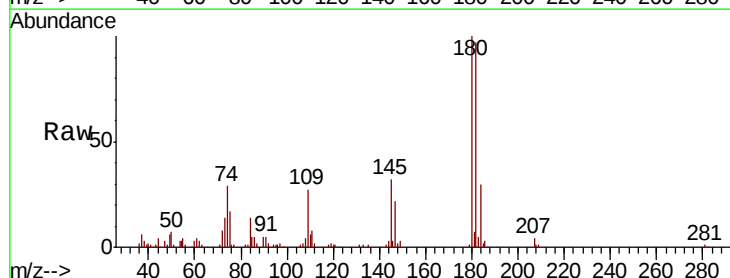
Tgt Ion:180 Resp: 104725

Ion Ratio Lower Upper

180 100

182 96.8 47.1 141.3

145 32.4 15.8 47.4



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

