

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055517.D
 Acq On : 10 May 2019 00:24
 Operator : JC/SP
 Sample : VN0509WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

Quant Time: May 10 04:20:17 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	687834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1220357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1057343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	405244	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	529435	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	7.59	113	402146	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	10.09	98	1552660	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.40	95	503016	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	133449	19.056	ug/l	100
3) Chloromethane	2.06	50	217654	19.131	ug/l	97
4) Vinyl Chloride	2.19	62	214745	19.996	ug/l	99
5) Bromomethane	2.55	94	123382	20.968	ug/l	97
6) Chloroethane	2.70	64	135553	21.669	ug/l	94
7) Trichlorofluoromethane	3.02	101	245212	20.813	ug/l	97
8) Diethyl Ether	3.41	74	109375	20.671	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151830	20.255	ug/l	99
10) Methyl Iodide	3.95	142	182286	17.992	ug/l	99
11) Tert butyl alcohol	4.81	59	140346	91.781	ug/l	100
12) 1,1-Dichloroethene	3.73	96	154733	20.583	ug/l	99
13) Acrolein	3.61	56	88987	87.317	ug/l	99
14) Allyl chloride	4.32	41	292480	18.993	ug/l	98
15) Acrylonitrile	5.00	53	459984	97.146	ug/l	99
16) Acetone	3.82	43	374395	78.074	ug/l	96
17) Carbon Disulfide	4.05	76	404120	19.696	ug/l	99
18) Methyl Acetate	4.33	43	197338	18.923	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	508088	20.340	ug/l	95
20) Methylene Chloride	4.55	84	192041	19.585	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	167396	20.538	ug/l	93
22) Diisopropyl ether	5.96	45	634917	20.289	ug/l	94
23) Vinyl Acetate	5.90	43	2385676	98.577	ug/l	100
24) 1,1-Dichloroethane	5.85	63	350590	20.754	ug/l	99
25) 2-Butanone	6.84	43	600451	90.645	ug/l	98
26) 2,2-Dichloropropane	6.82	77	180976	17.185	ug/l	80
27) cis-1,2-Dichloroethene	6.83	96	197535	20.970	ug/l	98
28) Bromochloromethane	7.20	49	193016	22.002	ug/l	97
29) Tetrahydrofuran	7.22	42	414619	94.680	ug/l	98
30) Chloroform	7.37	83	323811	20.735	ug/l	98
31) Cyclohexane	7.65	56	324368	19.407	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	246080	20.692	ug/l	99
36) 1,1-Dichloropropene	7.79	75	236696	19.688	ug/l	98
37) Ethyl Acetate	6.93	43	246275	18.779	ug/l	99
38) Carbon Tetrachloride	7.77	117	198552	19.613	ug/l	98

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 Data File : VN055517.D
 Acq On : 10 May 2019 00:24
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 Sample : VN0509WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

Quant Time: May 10 04:20:17 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)
39) Methylcyclohexane	9.08	83	276235	18.844	ug/l	100
40) Benzene	8.04	78	763425	20.460	ug/l	98
41) Methacrylonitrile	7.21	41	363355	59.693	ug/l #	32
42) 1,2-Dichloroethane	8.13	62	258032	19.683	ug/l	100
43) Isopropyl Acetate	8.17	43	374995	18.821	ug/l #	88
44) Trichloroethene	8.83	130	179859	20.258	ug/l	98
45) 1,2-Dichloropropane	9.12	63	211061	19.769	ug/l	97
46) Dibromomethane	9.21	93	124288	20.084	ug/l	97
47) Bromodichloromethane	9.40	83	237753	20.083	ug/l	100
48) Methyl methacrylate	9.20	41	176383	18.374	ug/l	97
49) 1,4-Dioxane	9.20	88	67431	360.398	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1196970	91.344	ug/l	99
52) Toluene	10.16	92	441562	20.700	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	216738	19.062	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	269801	19.858	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173573	20.083	ug/l	98
56) Ethyl methacrylate	10.43	69	244330	19.005	ug/l	98
57) 1,3-Dichloropropane	10.71	76	311360	20.292	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	295324	77.337	ug/l	99
59) 2-Hexanone	10.75	43	810320	88.176	ug/l	100
60) Dibromochloromethane	10.90	129	158207	20.133	ug/l	99
61) 1,2-Dibromoethane	11.00	107	164876	19.854	ug/l	99
64) Tetrachloroethene	10.63	164	180363	20.818	ug/l	98
65) Chlorobenzene	11.43	112	437527	20.113	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	156298	20.871	ug/l	98
67) Ethyl Benzene	11.51	91	793121	19.413	ug/l	99
68) m/p-Xylenes	11.62	106	583918	39.825	ug/l	99
69) o-Xylene	11.95	106	290092	20.130	ug/l	99
70) Styrene	11.96	104	470441	20.376	ug/l	99
71) Bromoform	12.13	173	102364	20.256	ug/l #	100
73) Isopropylbenzene	12.25	105	755054	21.151	ug/l	100
74) N-amyl acetate	12.07	43	275866	17.930	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	239732	20.629	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	276536	25.066	ug/l #	100
77) Bromobenzene	12.53	156	174253	19.511	ug/l	96
78) n-propylbenzene	12.59	91	832518	19.154	ug/l	99
79) 2-Chlorotoluene	12.67	91	515331	19.025	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	633767	19.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51296	17.157	ug/l	96
82) 4-Chlorotoluene	12.77	91	489568	19.127	ug/l	99
83) tert-Butylbenzene	12.99	119	535589	19.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	582837	19.609	ug/l	100
85) sec-Butylbenzene	13.17	105	699832	18.956	ug/l	99
86) p-Isopropyltoluene	13.29	119	564922	18.801	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271905	19.703	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	264432	19.416	ug/l	99
89) n-Butylbenzene	13.61	91	402262	17.272	ug/l	100
90) Hexachloroethane	13.87	117	93710	19.119	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	274387	19.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33194	17.813	ug/l	98

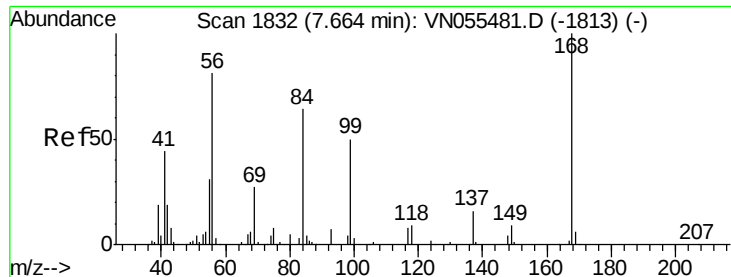
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
Data File : VN055517.D
Acq On : 10 May 2019 00:24
Operator : JC/SP
Sample : VN0509WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0509WBS02

Quant Time: May 10 04:20:17 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)
93) 1,2,4-Trichlorobenzene	14.91	180	81903	15.969	ug/l	98
94) Hexachlorobutadiene	15.01	225	88922	20.408	ug/l	98
95) Naphthalene	15.13	128	221967	15.302	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	94168	16.202	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: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

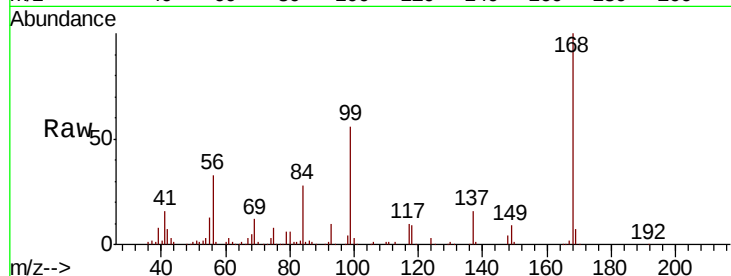
VN0509WBS02

Tot Ion:168 Resp: 687834

Ion Ratio Lower Upper

168 100

99 55.3 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

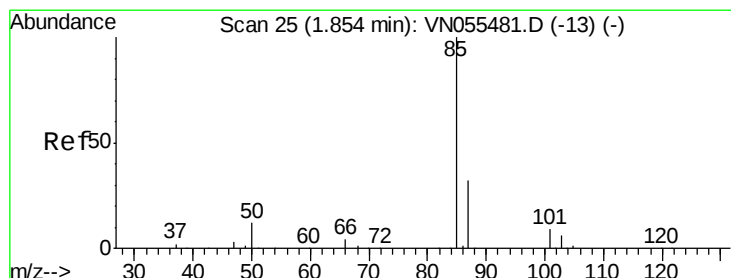
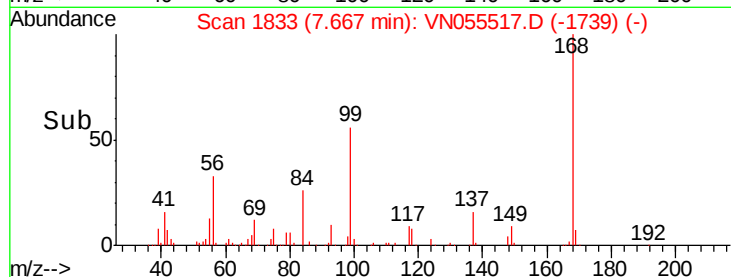
100000

50000

0

7.60 7.65 7.70 7.75 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.056 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055517.D

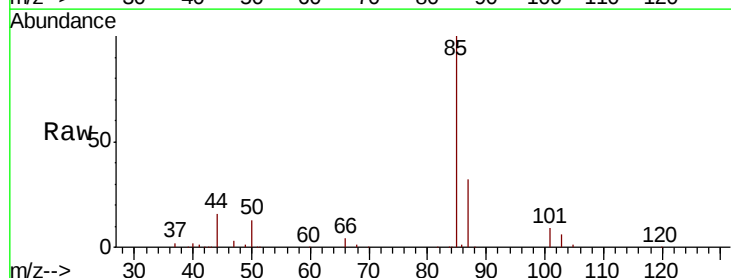
Acq: 10 May 2019 00:24

Tgt Ion: 85 Resp: 133449

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

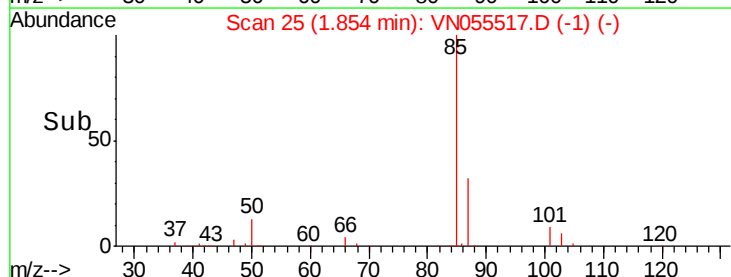
40000

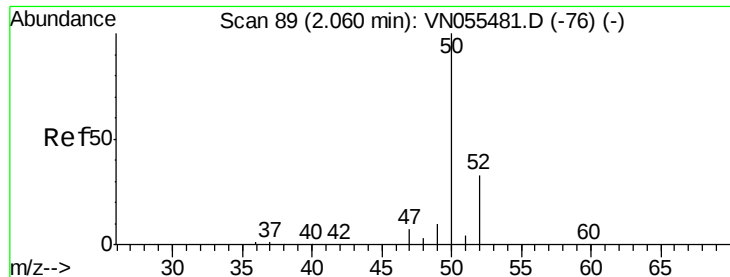
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.131 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

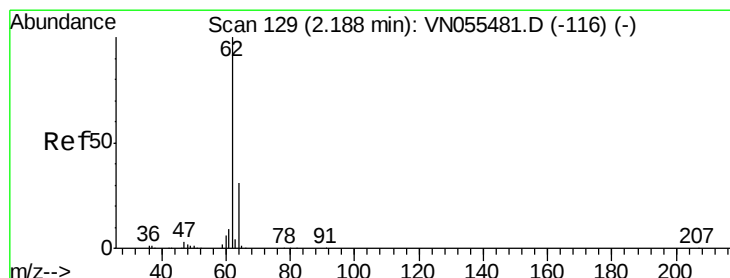
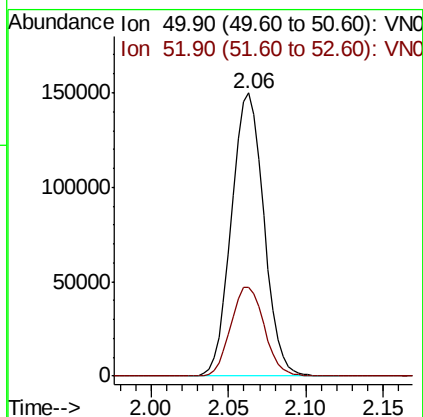
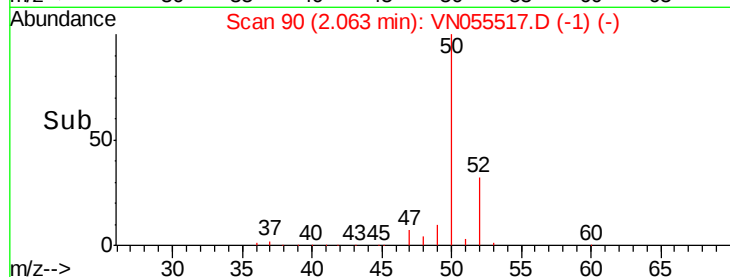
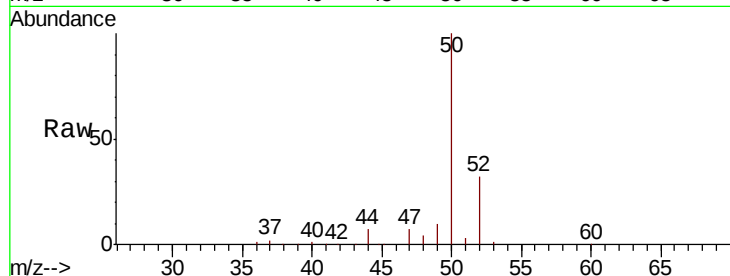
VN0509WBS02

Tot Ion: 50 Resp: 217654

Ion Ratio Lower Upper

50 100

52 31.6 26.6 39.8



#4

Vinyl Chloride

Concen: 19.996 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055517.D

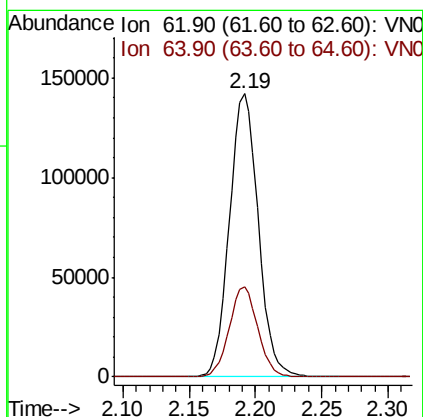
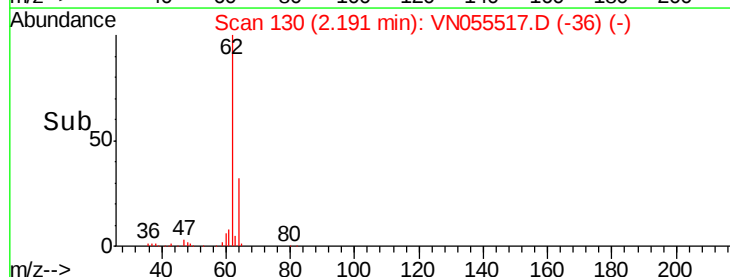
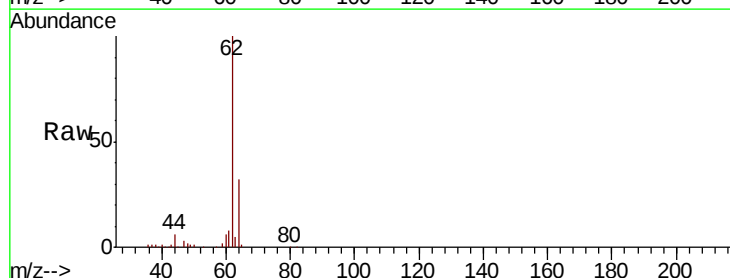
Acq: 10 May 2019 00:24

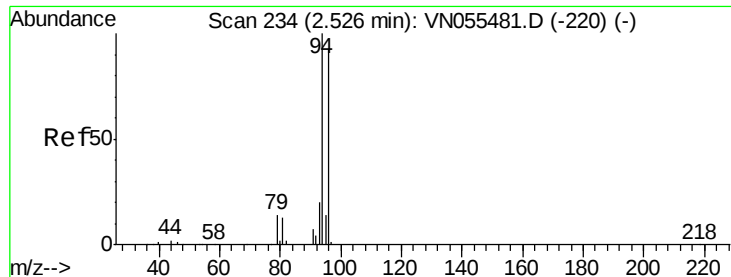
Tgt Ion: 62 Resp: 214745

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.6





#5

Bromomethane

Concen: 20.968 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

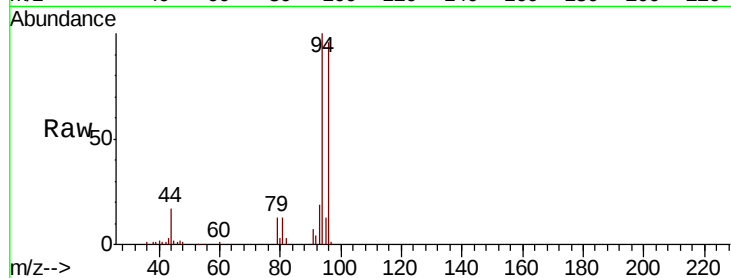
VN0509WBS02

Tot Ion: 94 Resp: 123382

Ion Ratio Lower Upper

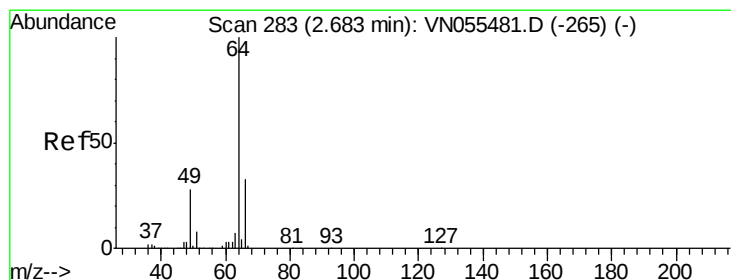
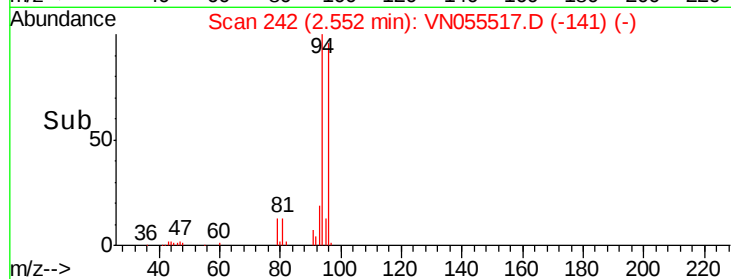
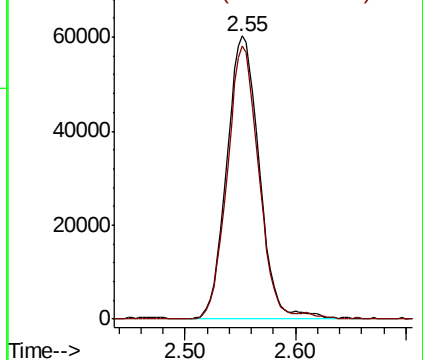
94 100

96 96.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.669 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.02 min

Lab File: VN055517.D

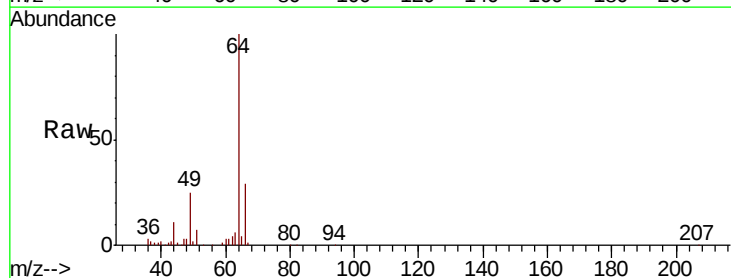
Acq: 10 May 2019 00:24

Tgt Ion: 64 Resp: 135553

Ion Ratio Lower Upper

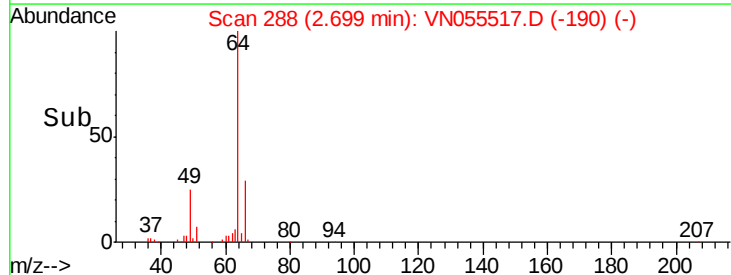
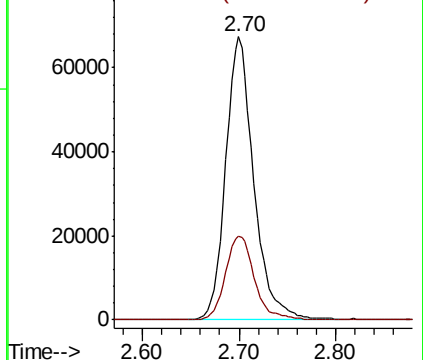
64 100

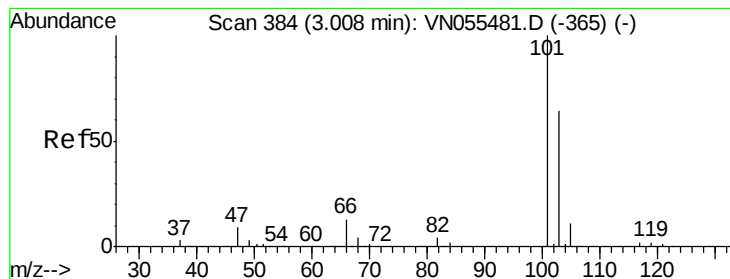
66 29.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



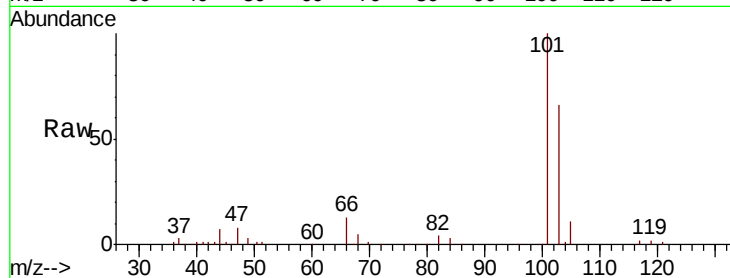


#7

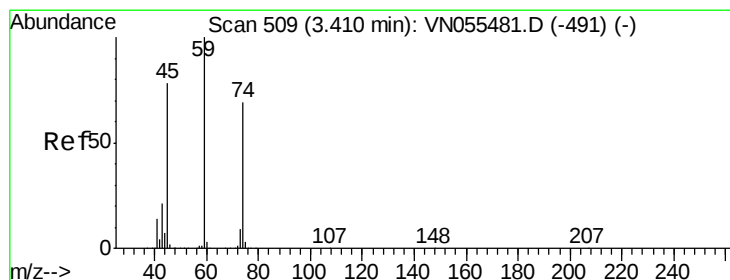
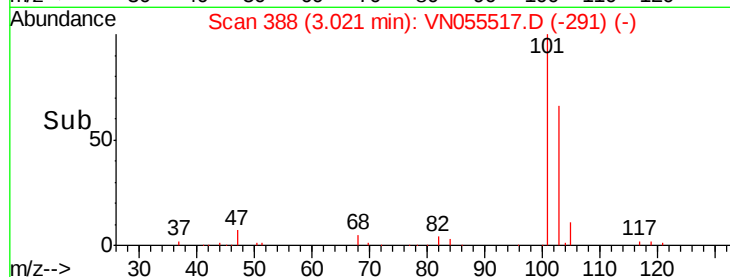
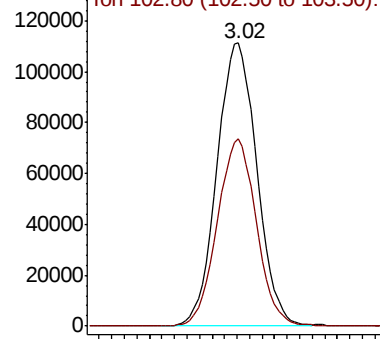
Trichlorofluoromethane
Concen: 20.813 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.01 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion:101 Resp: 245212
Ion Ratio Lower Upper
101 100
103 66.1 51.2 76.8



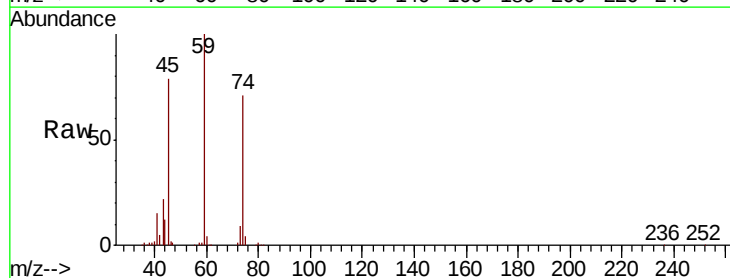
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



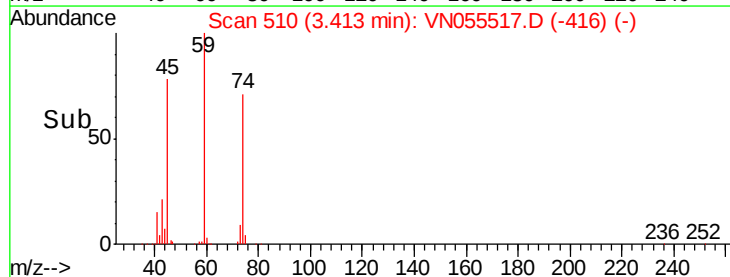
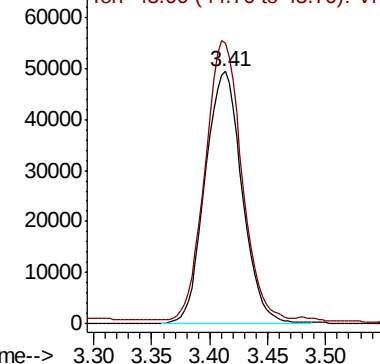
#8

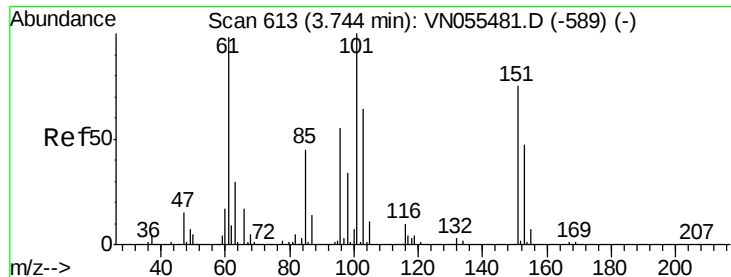
Diethyl Ether
Concen: 20.671 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 74 Resp: 109375
Ion Ratio Lower Upper
74 100
45 108.7 58.1 174.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.255 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

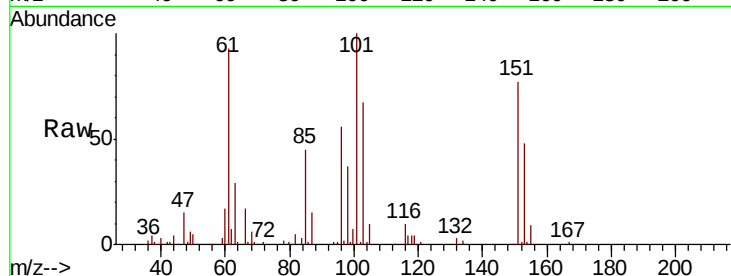
Tot Ion:101 Resp: 151830

Ion Ratio Lower Upper

101 100

85 44.1 35.5 53.3

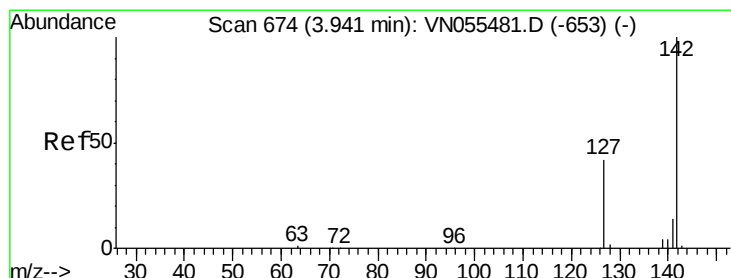
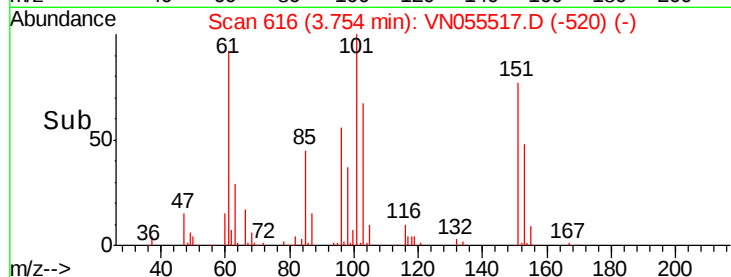
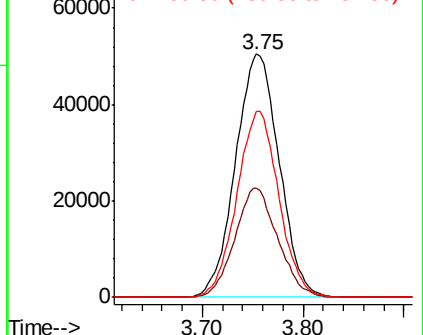
151 73.3 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.992 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

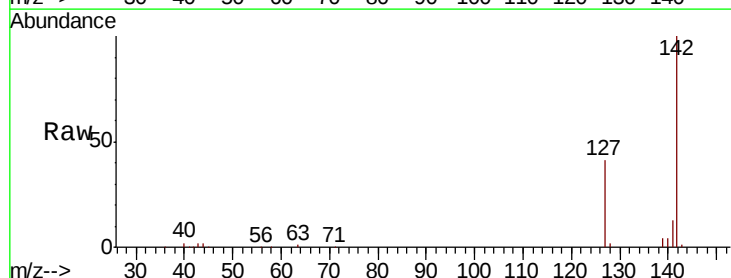
Tgt Ion:142 Resp: 182286

Ion Ratio Lower Upper

142 100

127 40.9 33.0 49.4

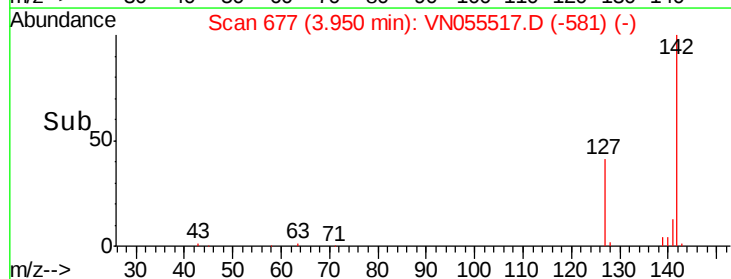
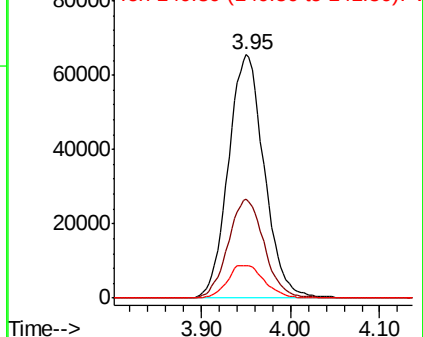
141 14.0 11.4 17.0

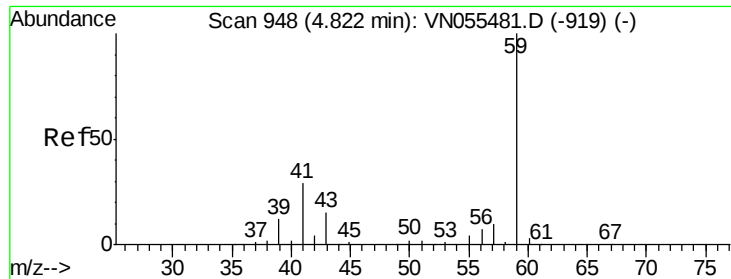


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

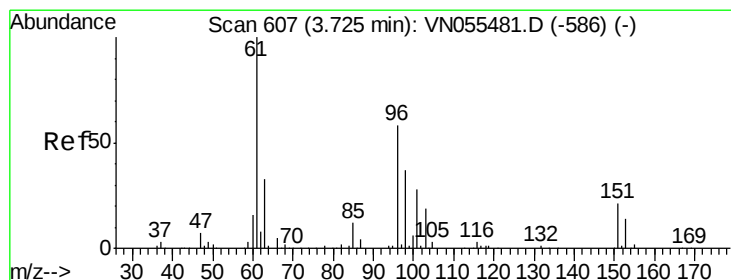
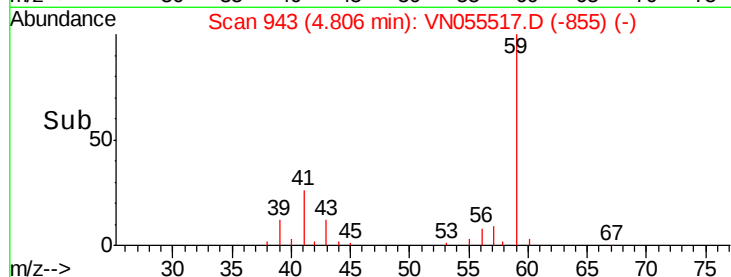
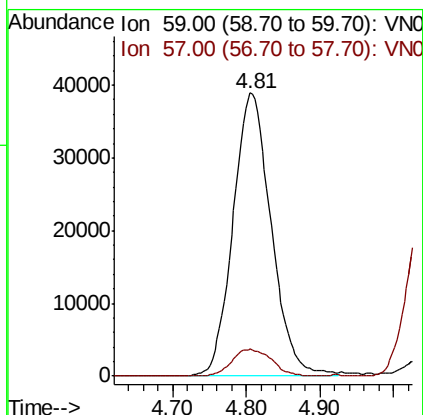
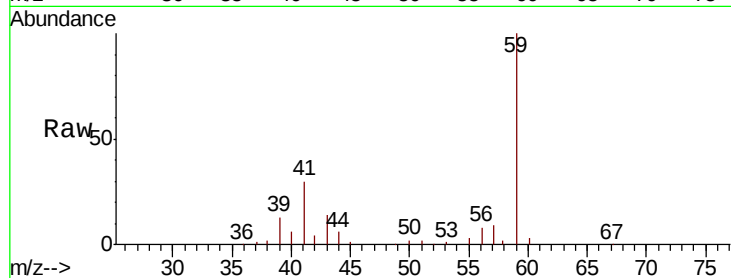




#11
Tert butyl alcohol
Concen: 91.781 ug/l
RT: 4.81 min Scan# 943
Delta R.T. -0.02 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

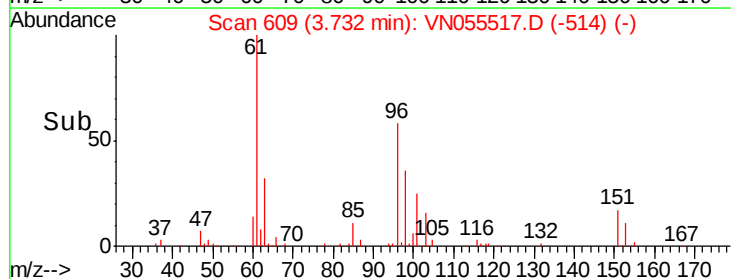
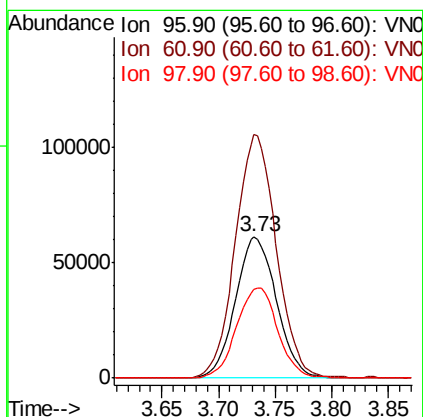
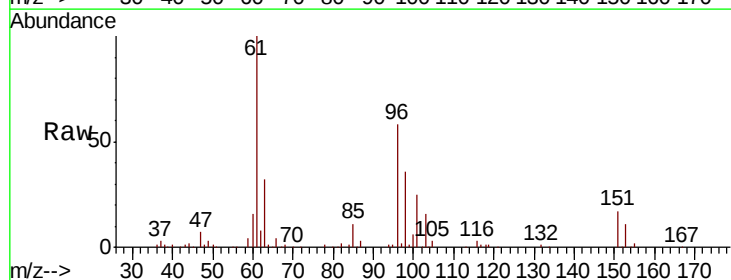
Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

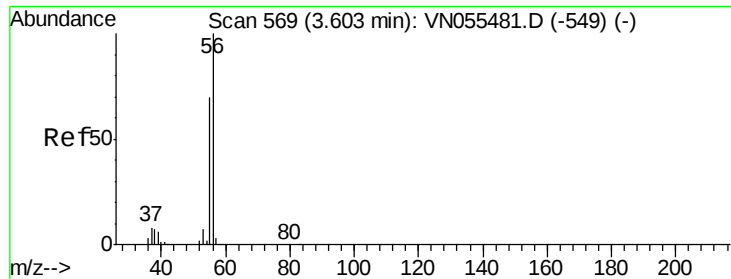
Tot Ion: 59 Resp: 140346
Ion Ratio Lower Upper
59 100
57 9.9 8.0 12.0



#12
1,1-Dichloroethene
Concen: 20.583 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 96 Resp: 154733
Ion Ratio Lower Upper
96 100
61 172.3 138.7 208.1
98 62.7 50.6 76.0





#13

Acrolein

Concen: 87.317 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

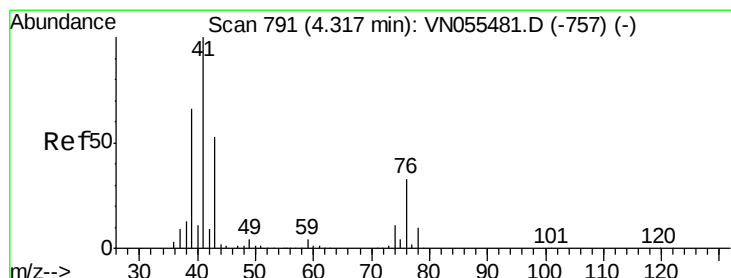
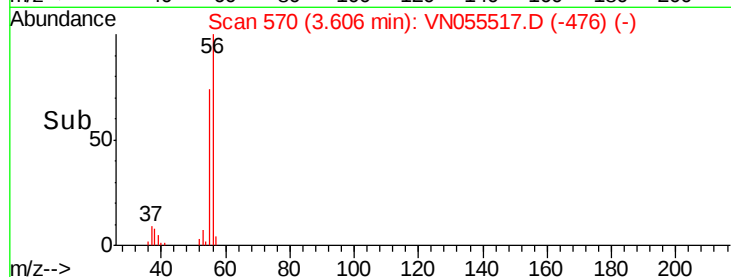
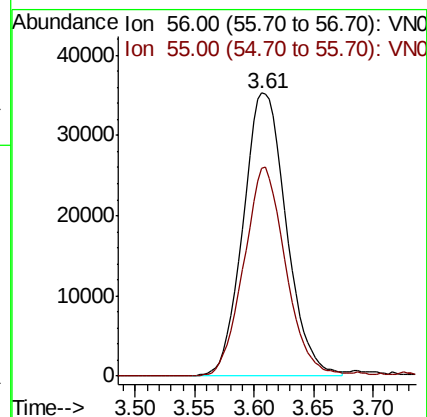
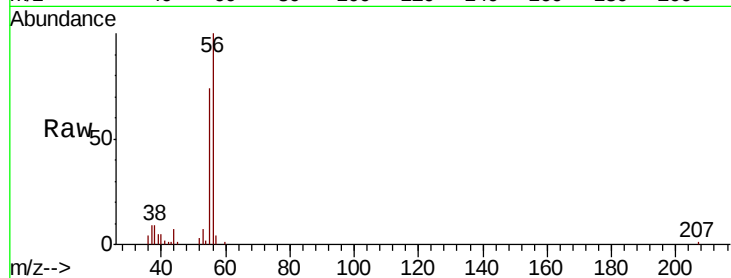
VN0509WBS02

Tot Ion: 56 Resp: 88987

Ion Ratio Lower Upper

56 100

55 71.4 57.7 86.5



#14

Allyl chloride

Concen: 18.993 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

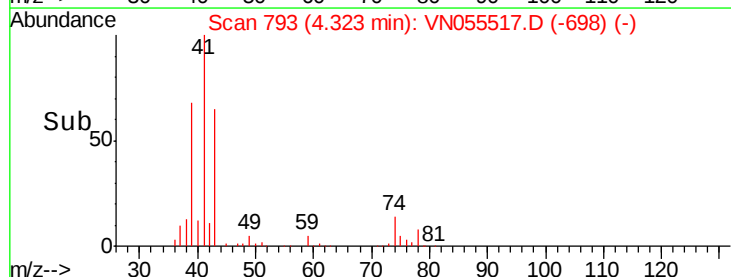
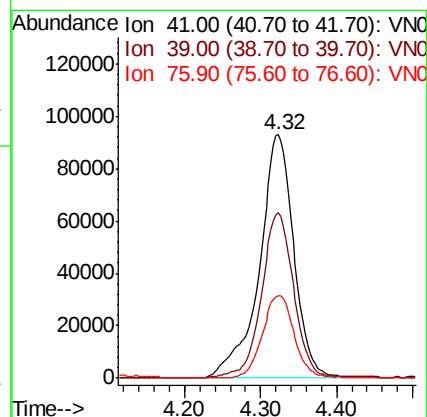
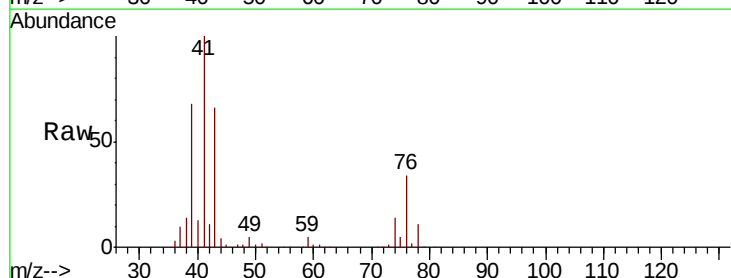
Tgt Ion: 41 Resp: 292480

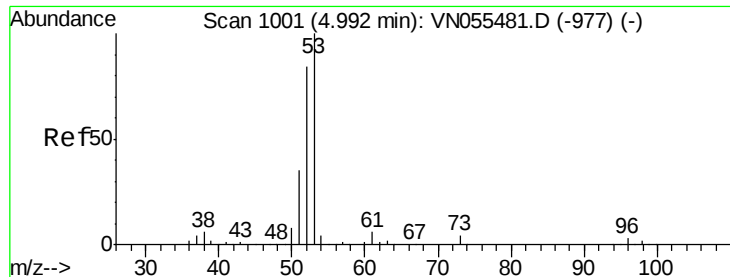
Ion Ratio Lower Upper

41 100

39 63.7 49.8 74.8

76 31.1 23.5 35.3





#15

Acrylonitrile

Concen: 97.146 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS02

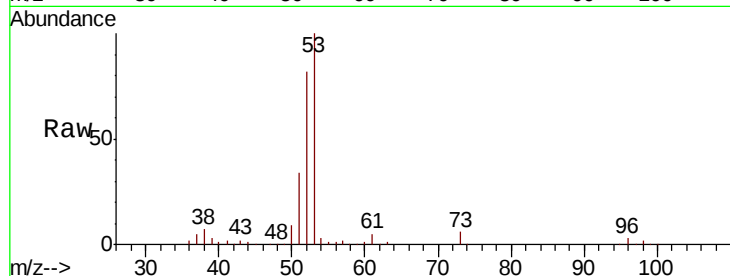
Tot Ion: 53 Resp: 459984

Ion Ratio Lower Upper

53 100

52 82.0 66.1 99.1

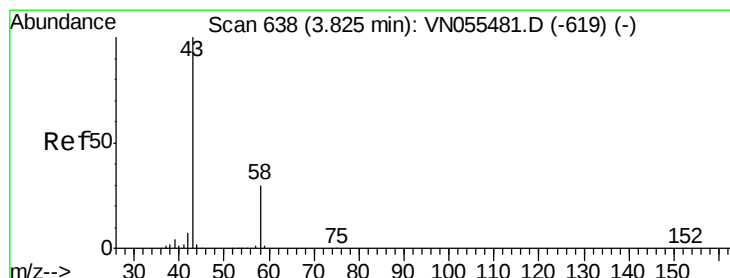
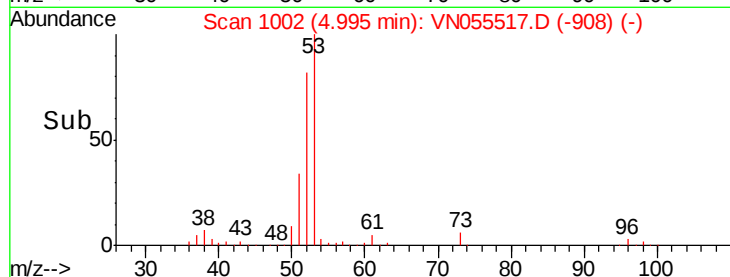
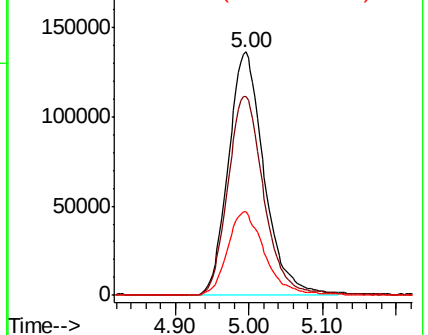
51 35.7 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 78.074 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055517.D

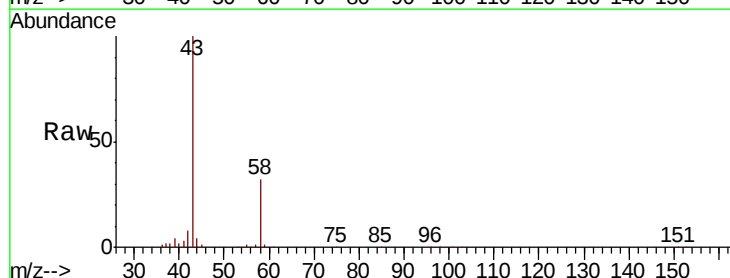
Acq: 10 May 2019 00:24

Tgt Ion: 43 Resp: 374395

Ion Ratio Lower Upper

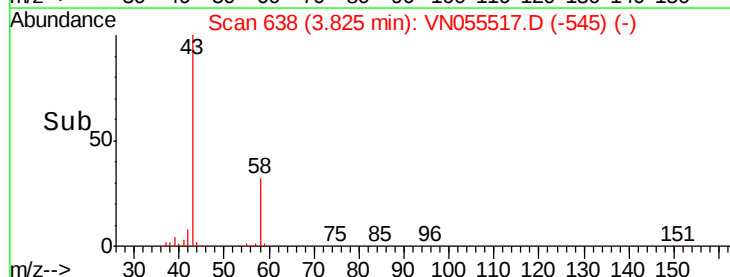
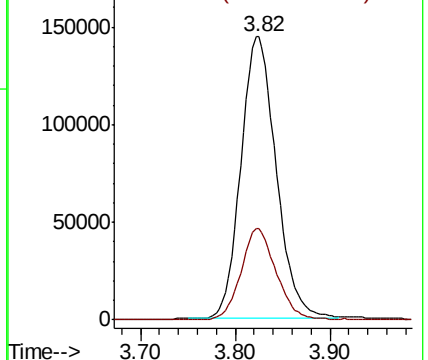
43 100

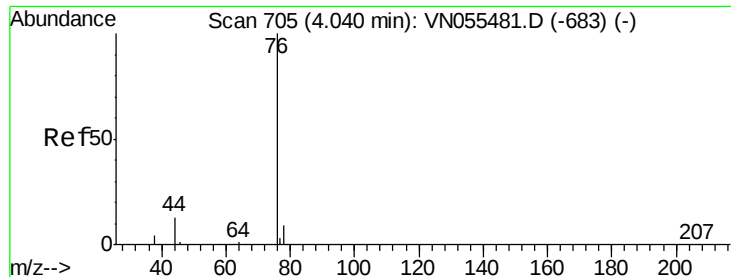
58 32.3 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.696 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

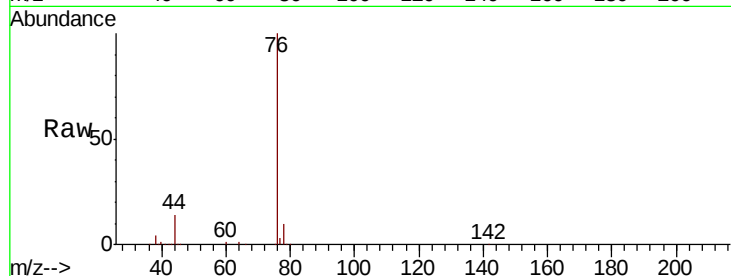
VN0509WBS02

Tot Ion: 76 Resp: 404120

Ion Ratio Lower Upper

76 100

78 9.7 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

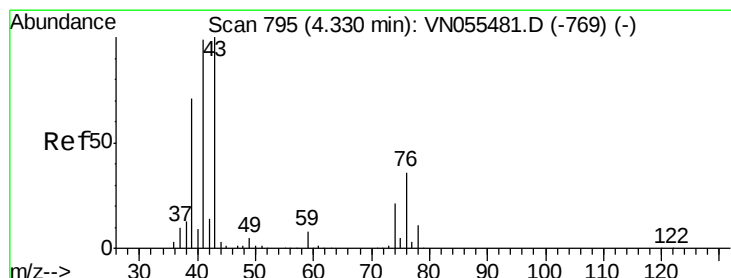
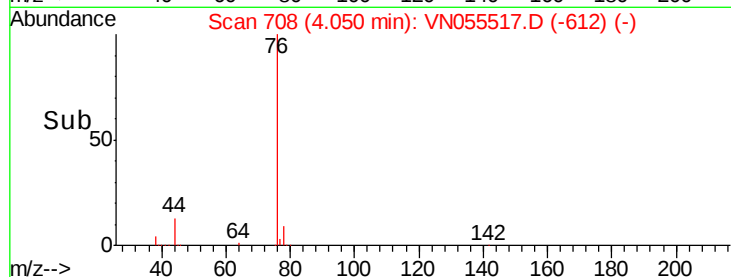
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.923 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055517.D

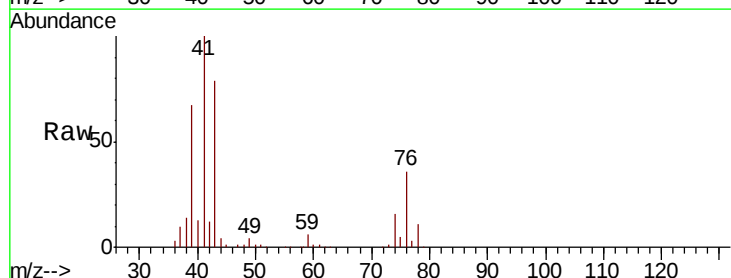
Acq: 10 May 2019 00:24

Tgt Ion: 43 Resp: 197338

Ion Ratio Lower Upper

43 100

74 21.7 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

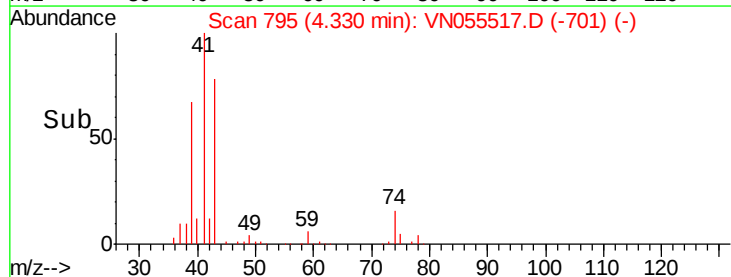
60000

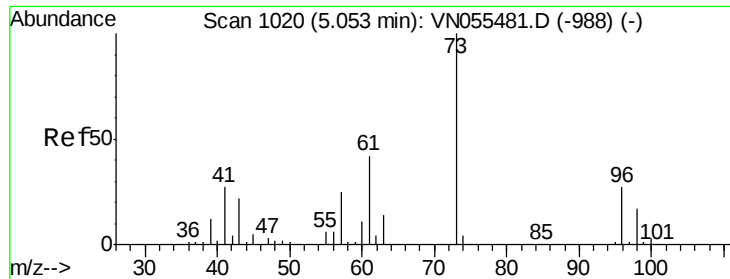
40000

20000

0

Time-->

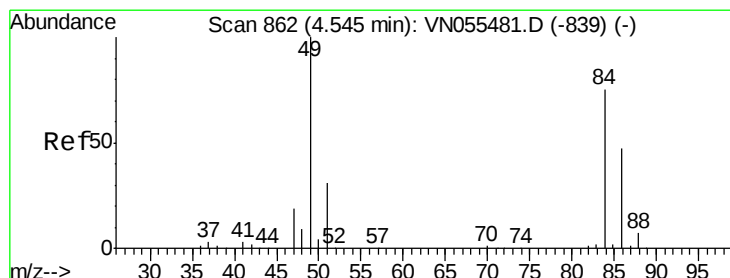
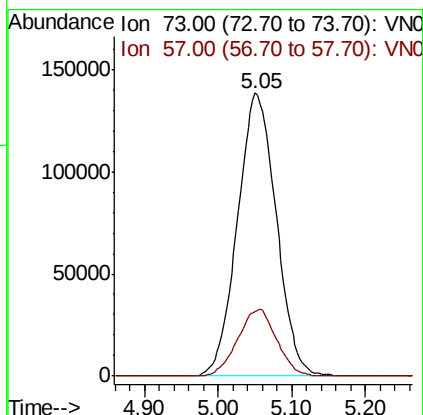
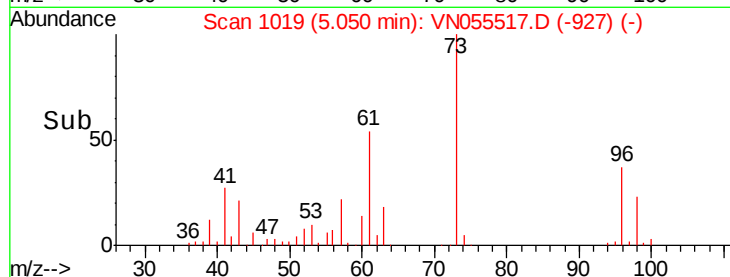
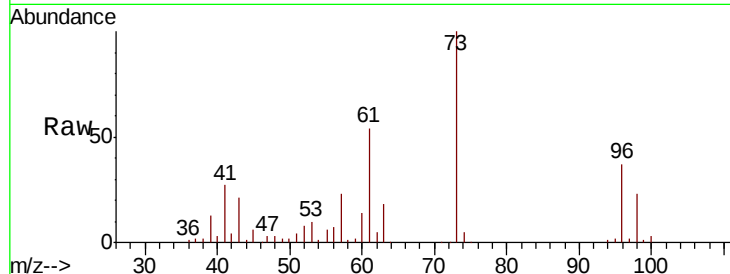




#19
Methyl tert-butyl Ether
Concen: 20.340 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

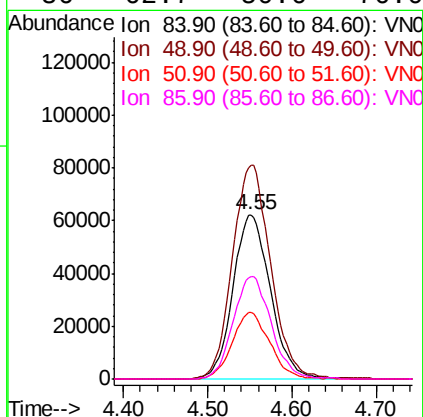
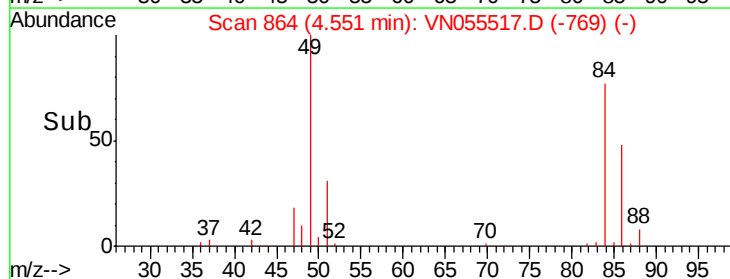
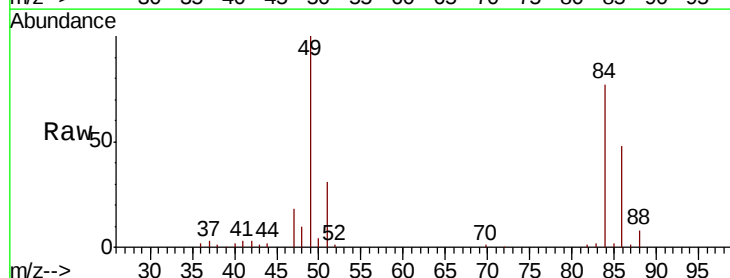
Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

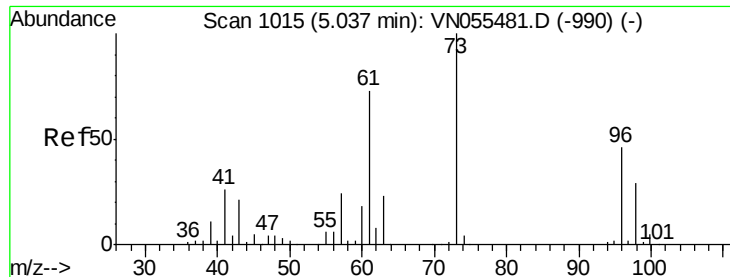
Tot Ion: 73 Resp: 508088
Ion Ratio Lower Upper
73 100
57 22.7 20.0 30.0



#20
Methylene Chloride
Concen: 19.585 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 84 Resp: 192041
Ion Ratio Lower Upper
84 100
49 130.1 107.0 160.6
51 40.4 33.0 49.4
86 62.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.538 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

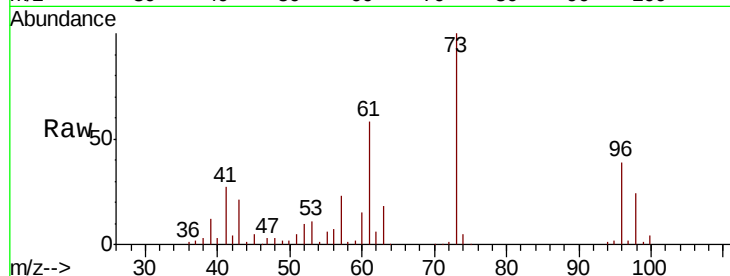
Tot Ion: 96 Resp: 167396

Ion Ratio Lower Upper

96 100

61 147.5 127.4 191.0

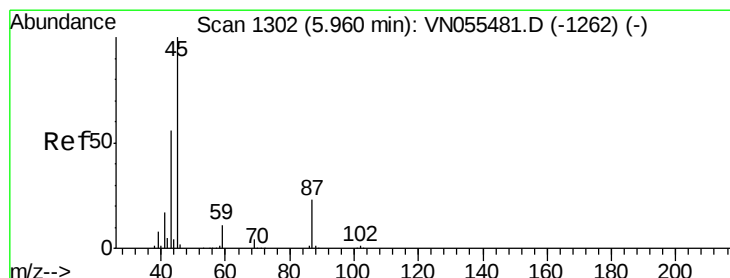
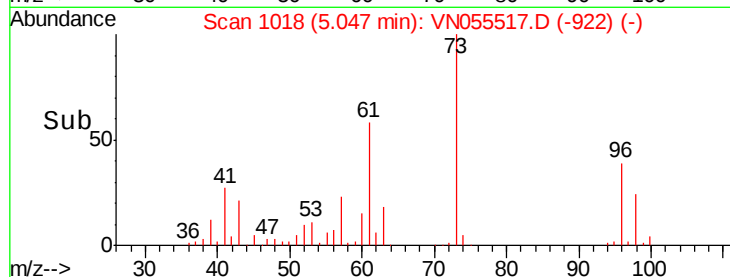
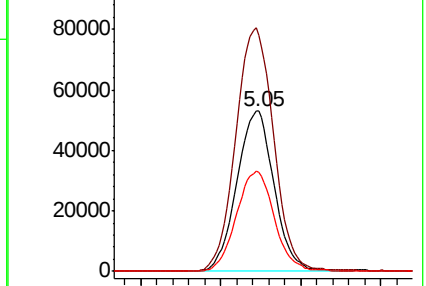
98 61.6 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN055517.D (-1209) (-)

Ion 60.90 (60.60 to 61.60): VN055517.D (-1209) (-)

Ion 97.90 (97.60 to 98.60): VN055517.D (-1209) (-)



#22

Diisopropyl ether

Concen: 20.289 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion: 45 Resp: 634917

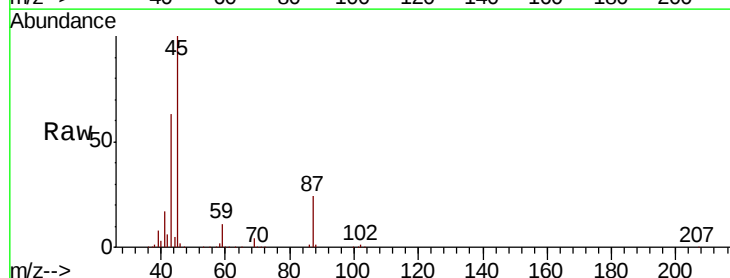
Ion Ratio Lower Upper

45 100

43 62.2 44.6 66.8

87 23.9 18.6 28.0

59 10.9 8.6 12.8

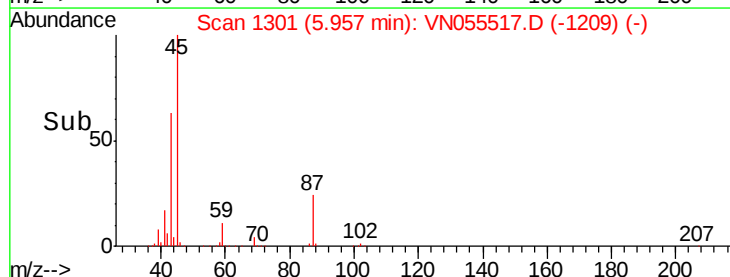
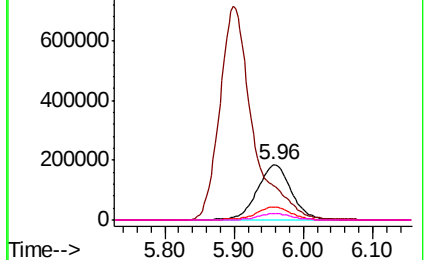


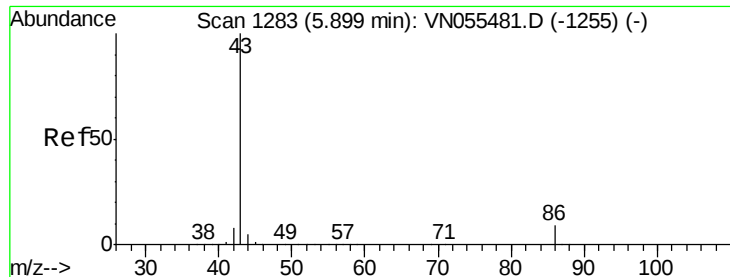
Abundance Ion 45.00 (44.70 to 45.70): VN055517.D (-1209) (-)

Ion 43.00 (42.70 to 43.70): VN055517.D (-1209) (-)

Ion 87.00 (86.70 to 87.70): VN055517.D (-1209) (-)

Ion 59.00 (58.70 to 59.70): VN055517.D (-1209) (-)





#23

Vinyl Acetate

Concen: 98.577 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

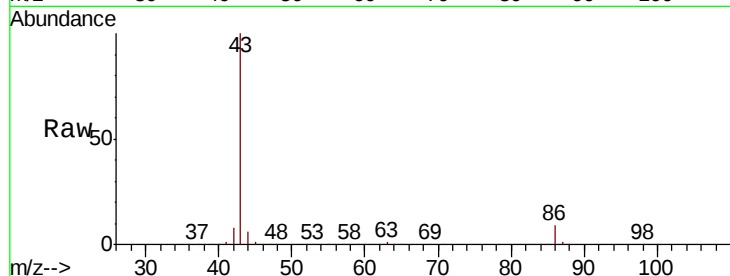
VN0509WBS02

Tot Ion: 43 Resp: 2385676

Ion Ratio Lower Upper

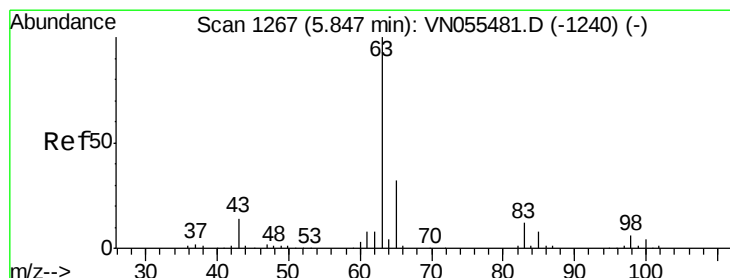
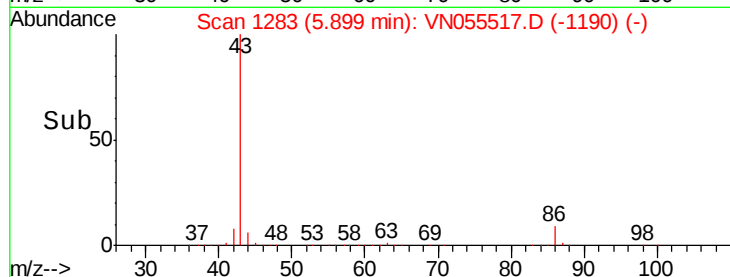
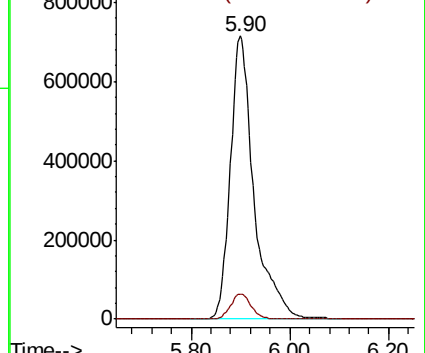
43 100

86 8.7 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN055517.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN055517.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 20.754 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

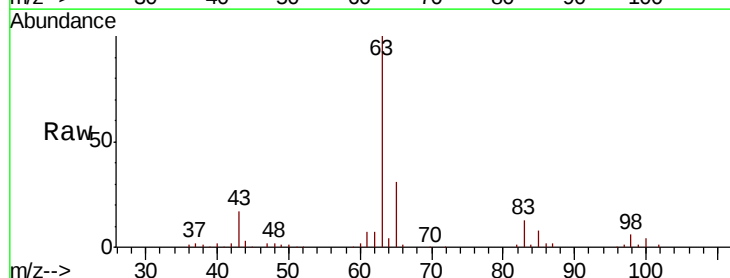
Tgt Ion: 63 Resp: 350590

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

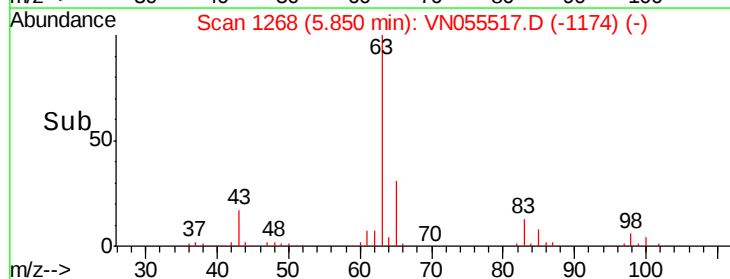
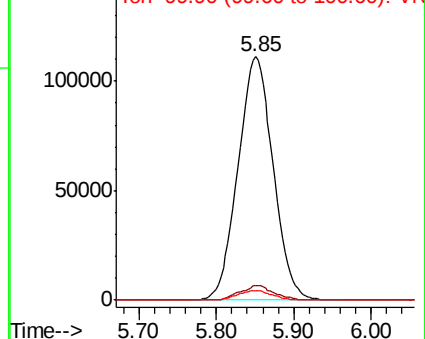
100 3.9 1.9 5.7

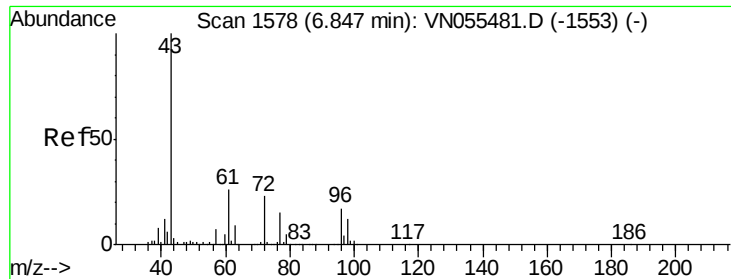


Abundance Ion 62.90 (62.60 to 63.60): VN055517.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN055517.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN055517.D (-1174) (-)

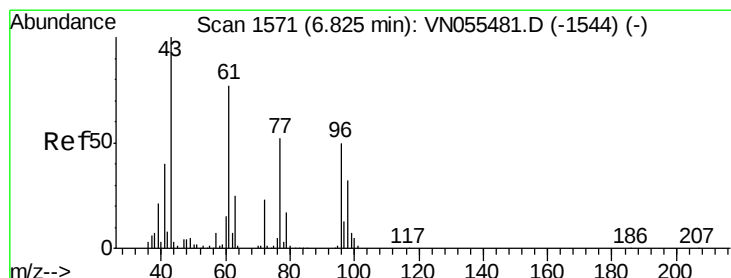
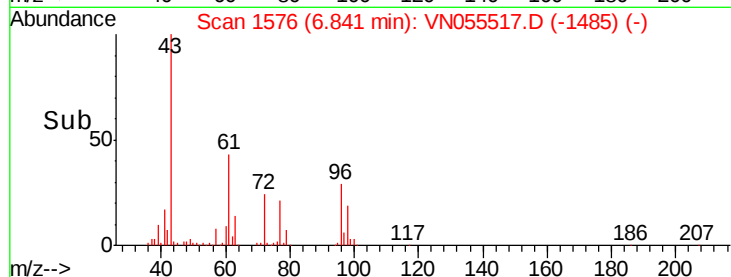
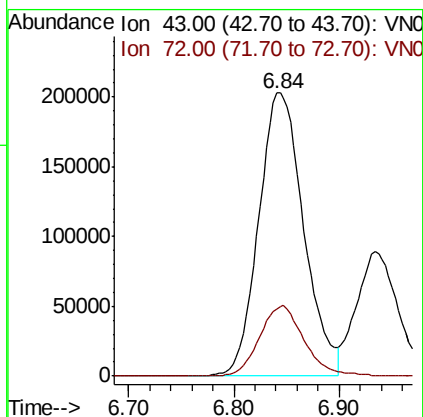
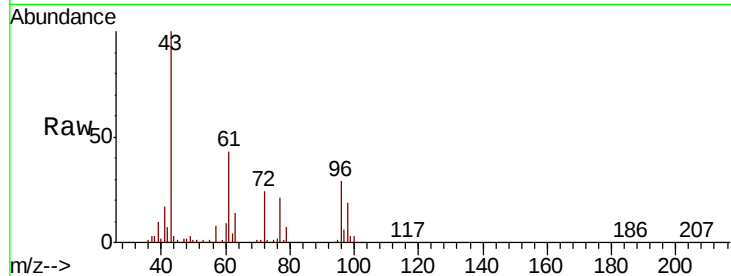




#25
2-Butanone
Concen: 90.645 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

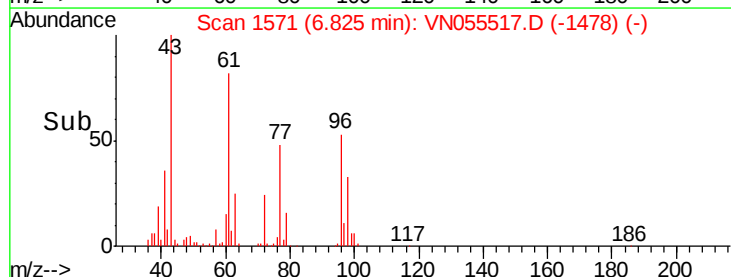
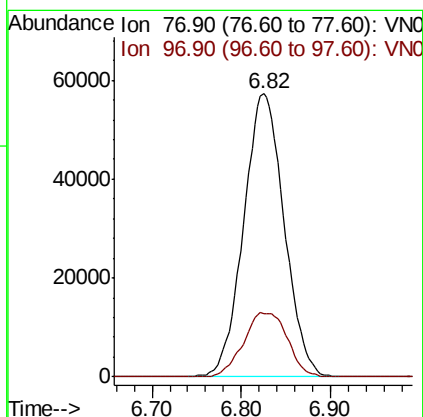
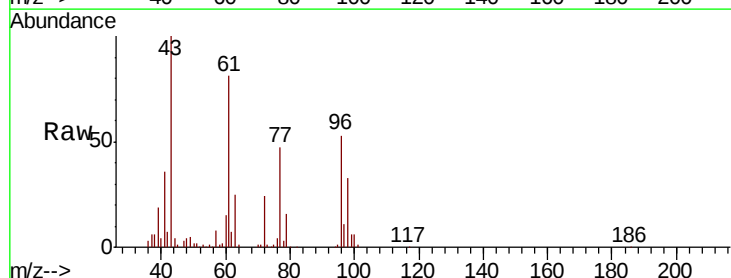
Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

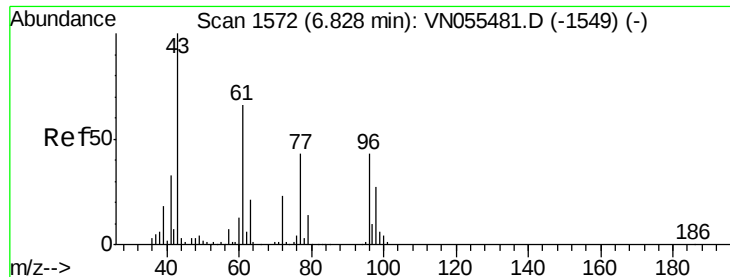
Tot Ion: 43 Resp: 600451
Ion Ratio Lower Upper
43 100
72 23.9 18.6 27.8



#26
2,2-Dichloropropane
Concen: 17.185 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 77 Resp: 180976
Ion Ratio Lower Upper
77 100
97 13.2 11.5 34.5

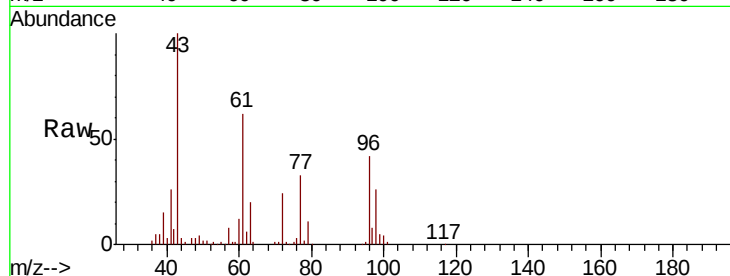




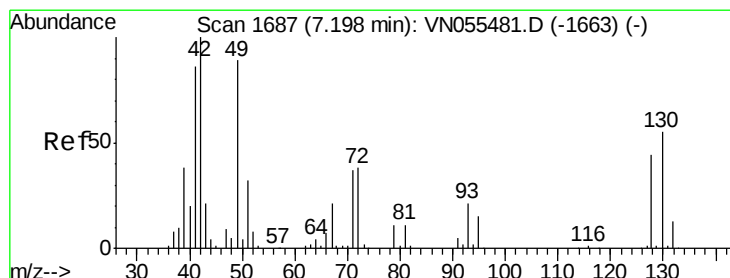
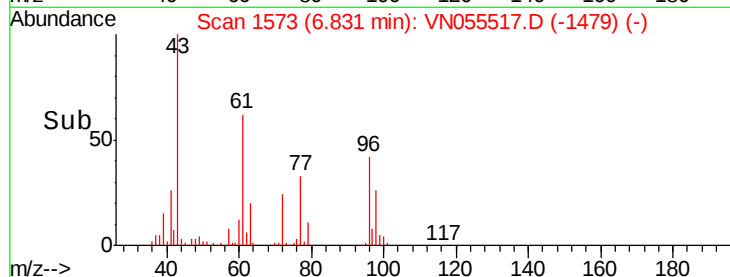
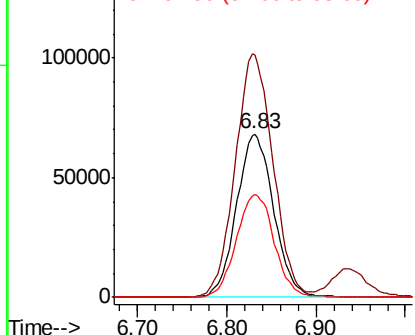
#27
 cis-1,2-Dichloroethene
 Concen: 20.970 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS02

Tot Ion: 96 Resp: 197535
 Ion Ratio Lower Upper
 96 100
 61 151.0 0.0 310.8
 98 64.5 0.0 129.4

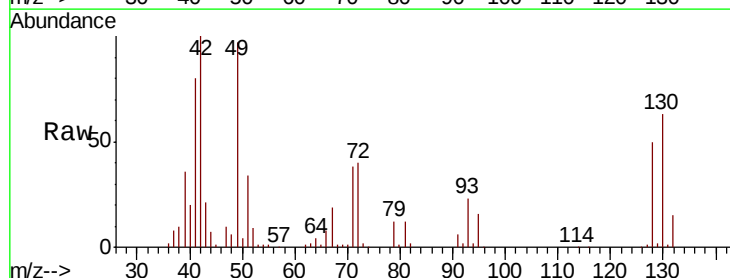


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

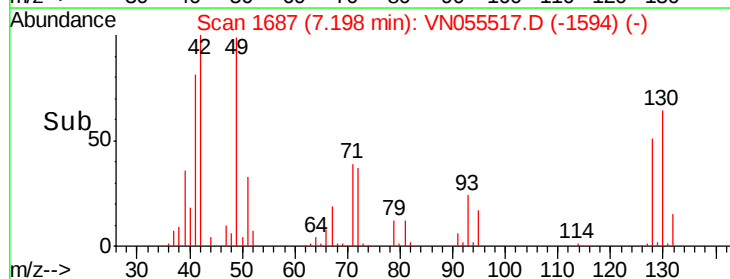
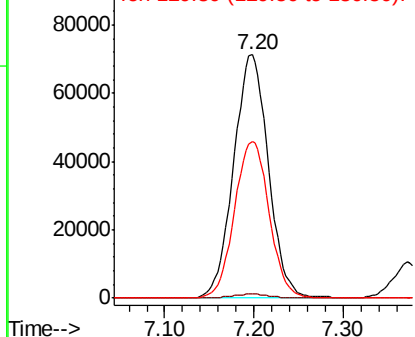


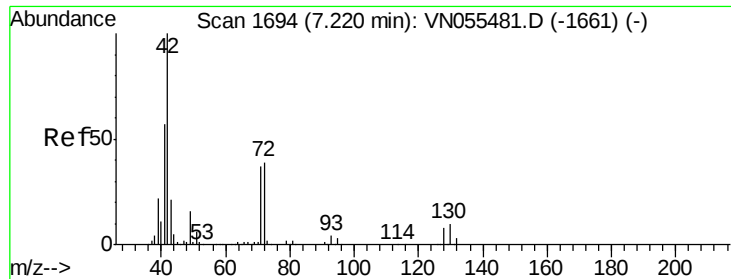
#28
 Bromochloromethane
 Concen: 22.002 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion: 49 Resp: 193016
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.2
 130 64.3 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

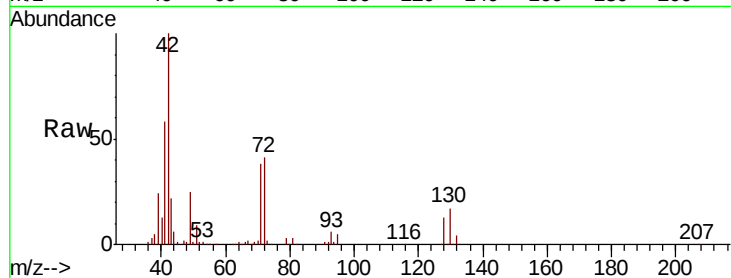




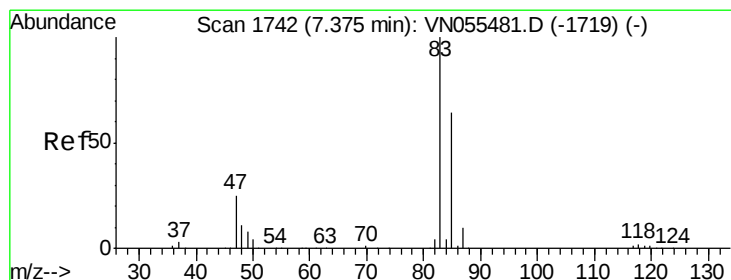
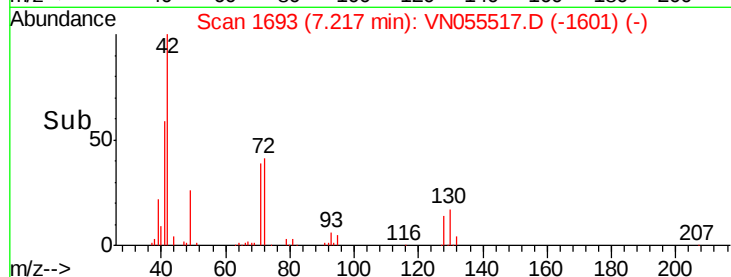
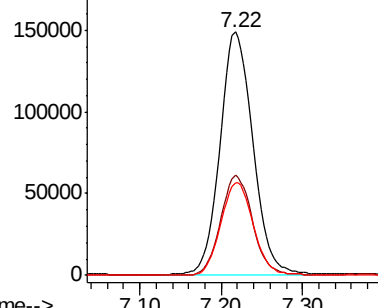
#29
Tetrahydrofuran
Concen: 94.680 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion: 42 Resp: 414619
Ion Ratio Lower Upper
42 100
72 39.9 31.0 46.6
71 37.7 29.4 44.2

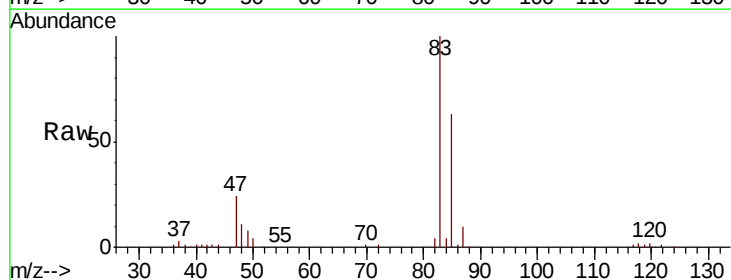


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

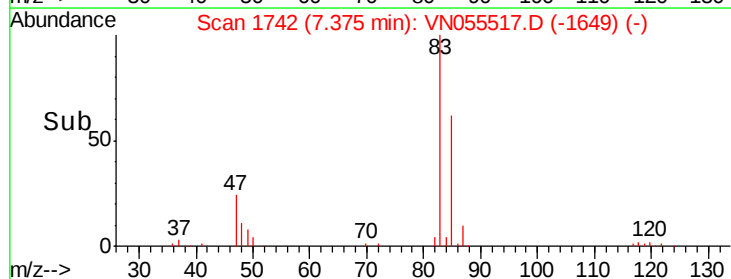
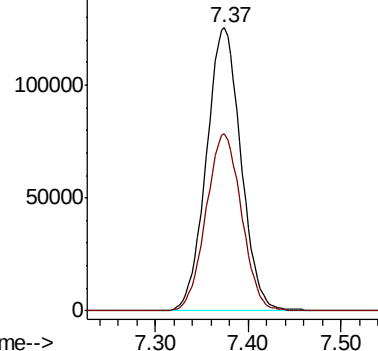


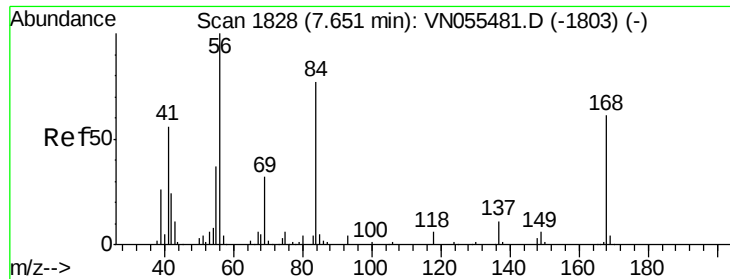
#30
Chloroform
Concen: 20.735 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 83 Resp: 323811
Ion Ratio Lower Upper
83 100
85 62.5 51.3 76.9



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

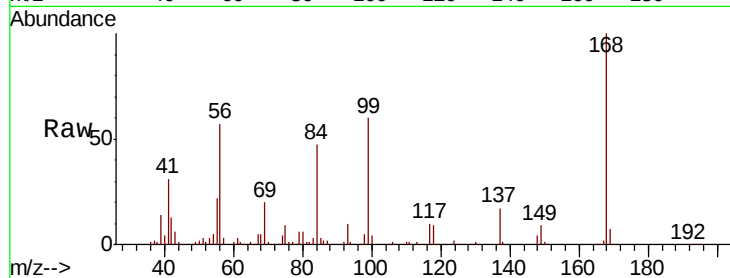




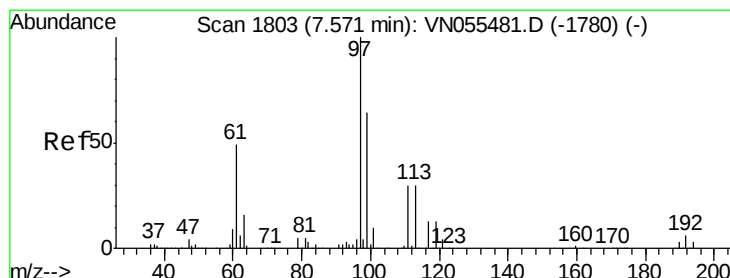
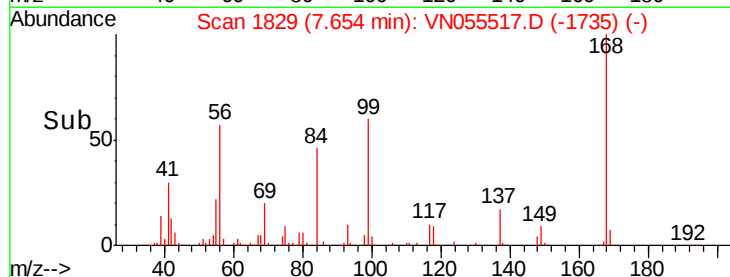
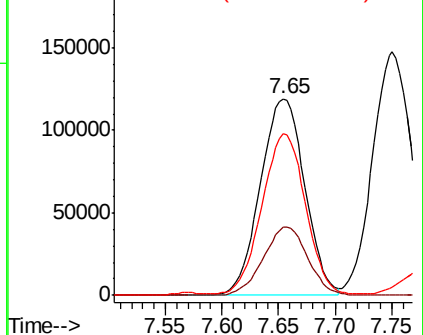
#31
Cyclohexane
Concen: 19.407 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion: 56 Resp: 324368
Ion Ratio Lower Upper
56 100
69 34.2 26.0 39.0
84 80.7 61.9 92.9

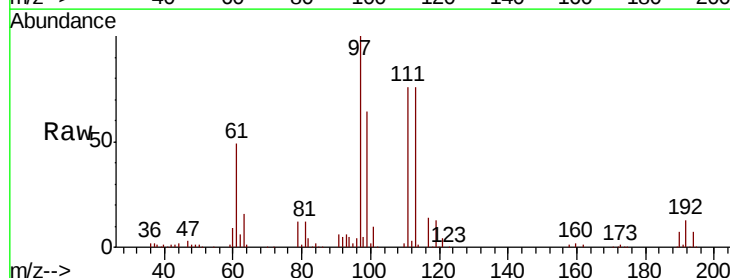


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

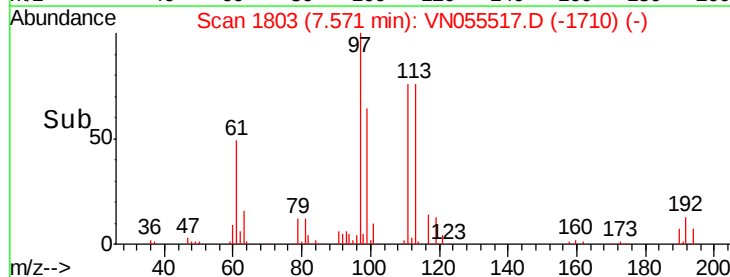
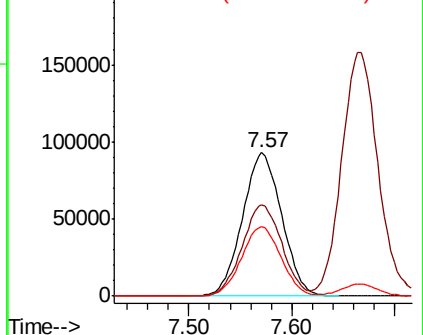


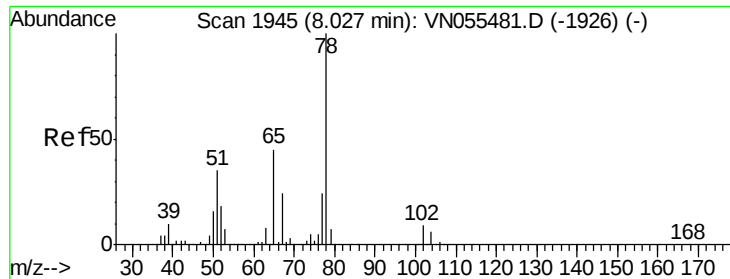
#32
1,1,1-Trichloroethane
Concen: 20.692 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 97 Resp: 246080
Ion Ratio Lower Upper
97 100
99 64.7 51.2 76.8
61 48.9 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 51.121 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

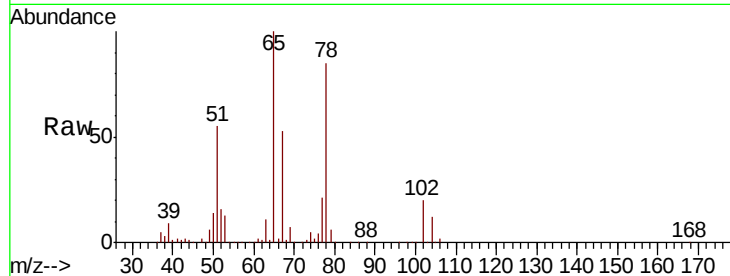
VN0509WBS02

Tot Ion: 65 Resp: 529435

Ion Ratio Lower Upper

65 100

67 53.8 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN055517.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055517.D (-1852) (-)

8.03

250000

200000

150000

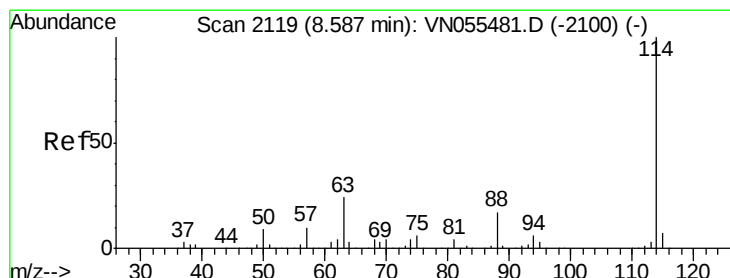
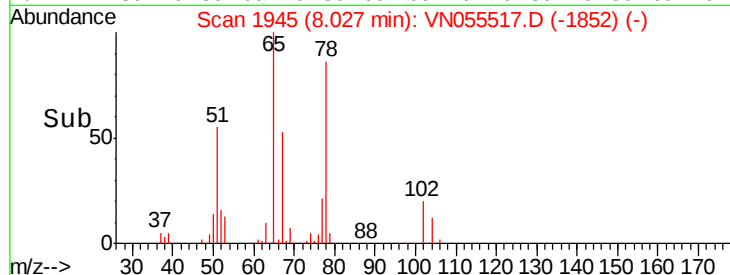
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

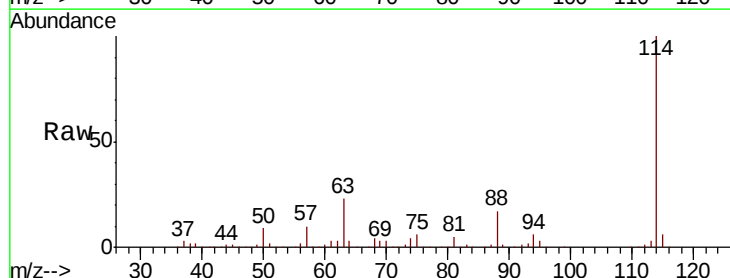
Tgt Ion: 114 Resp: 1220357

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.4

88 16.7 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN055517.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055517.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055517.D (-2026) (-)

8.59

600000

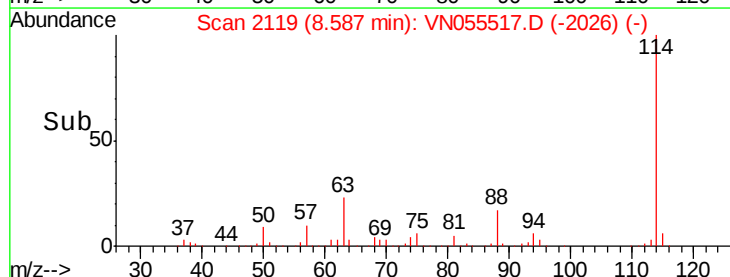
400000

200000

0

8.50 8.60 8.70

Time-->

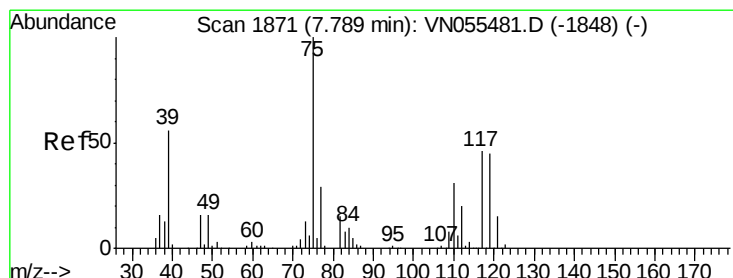
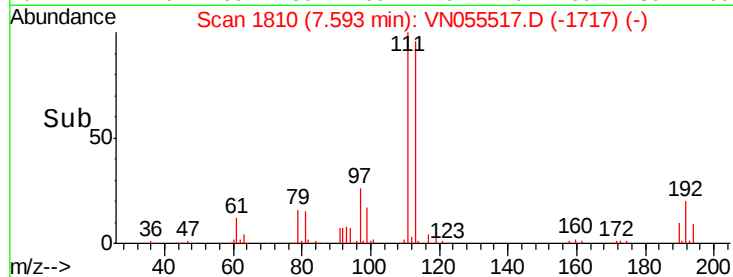
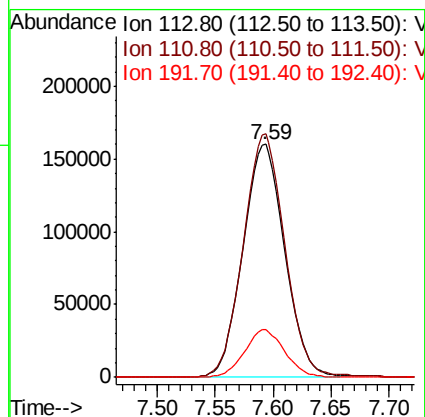
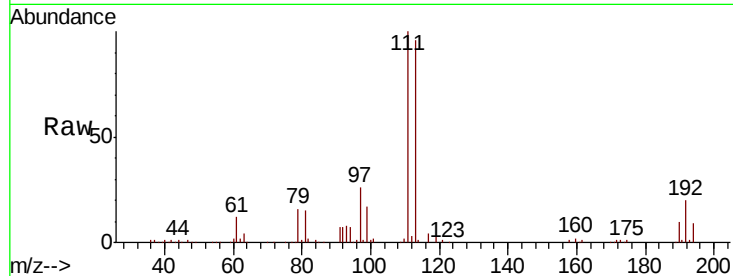




#35
 Dibromofluoromethane
 Concen: 51.084 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

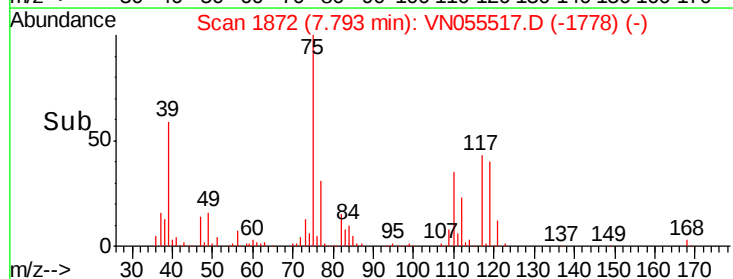
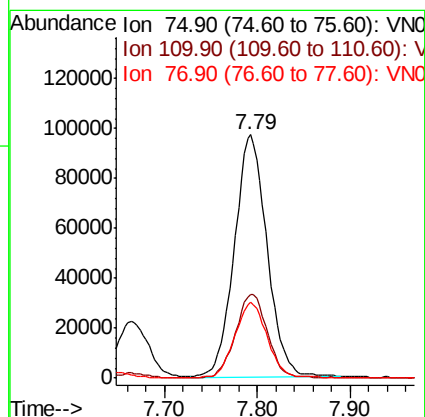
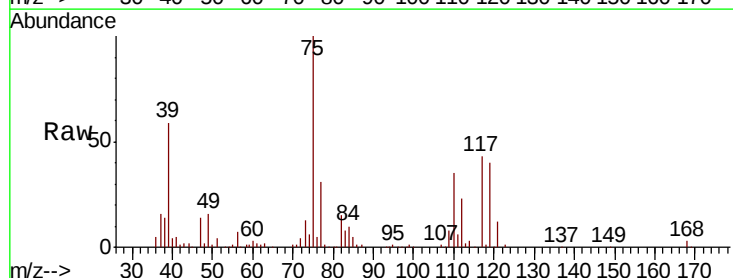
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

Tot Ion:113 Resp: 402146
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.9 124.3
 192 19.8 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 19.688 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion: 75 Resp: 236696
 Ion Ratio Lower Upper
 75 100
 110 34.1 16.1 48.3
 77 30.9 24.6 37.0

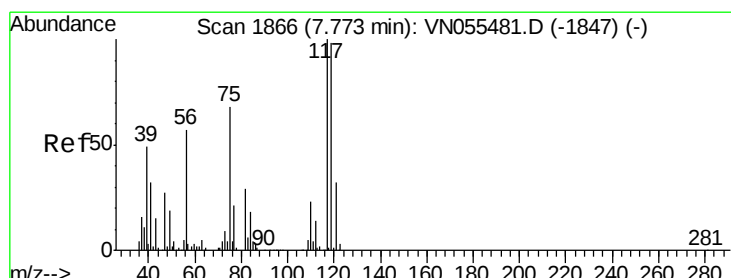
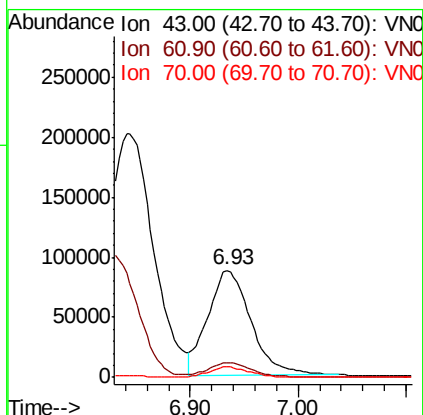
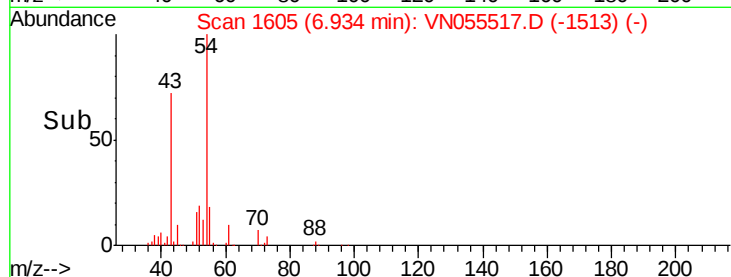
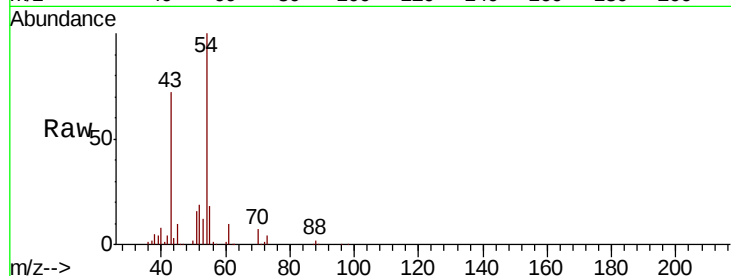




#37
Ethyl Acetate
Concen: 18.779 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

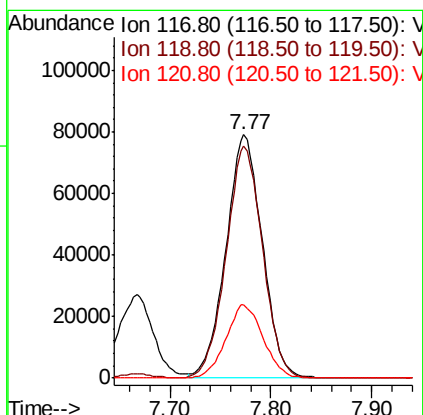
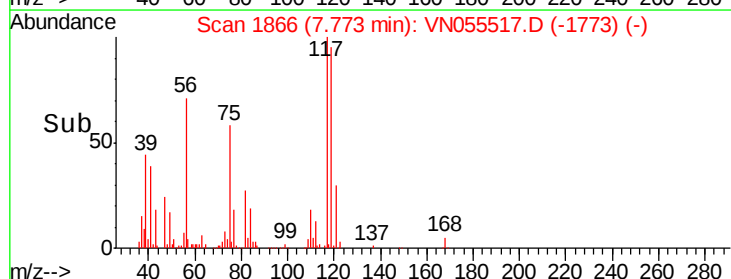
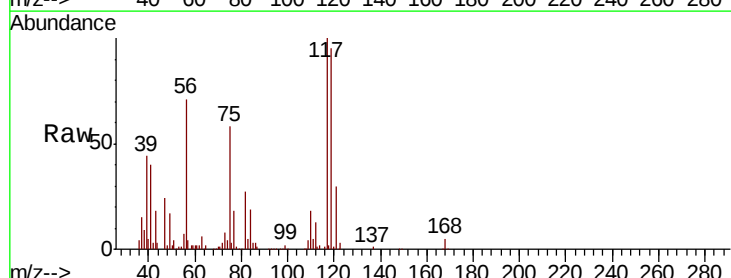
Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

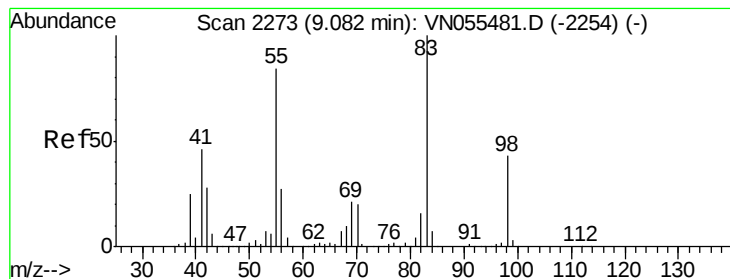
Tot Ion: 43 Resp: 246275
Ion Ratio Lower Upper
43 100
61 13.8 10.9 16.3
70 9.5 7.0 10.6



#38
Carbon Tetrachloride
Concen: 19.613 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 117 Resp: 198552
Ion Ratio Lower Upper
117 100
119 94.8 77.8 116.6
121 30.3 25.2 37.8

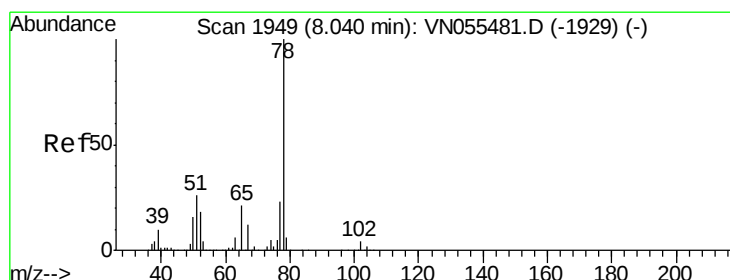
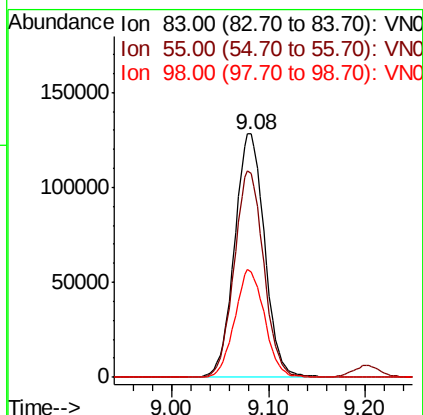
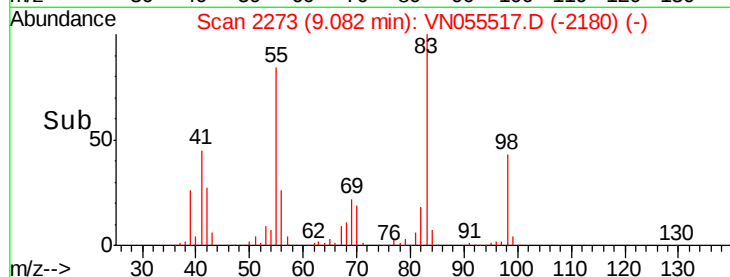
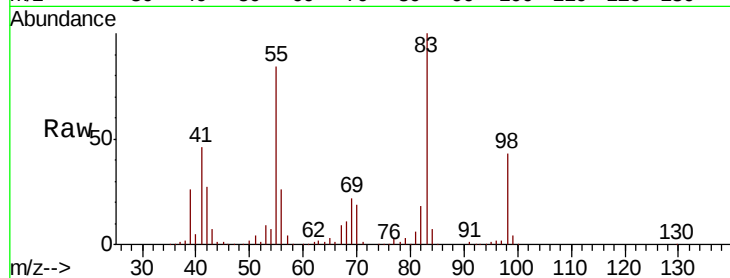




#39
Methvlcvclohexane
Concen: 18.844 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

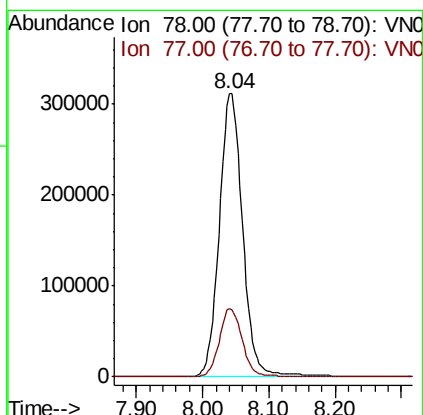
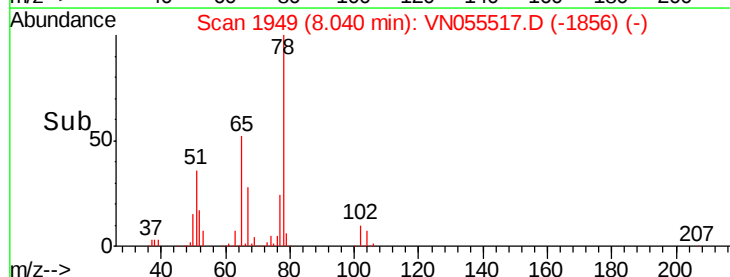
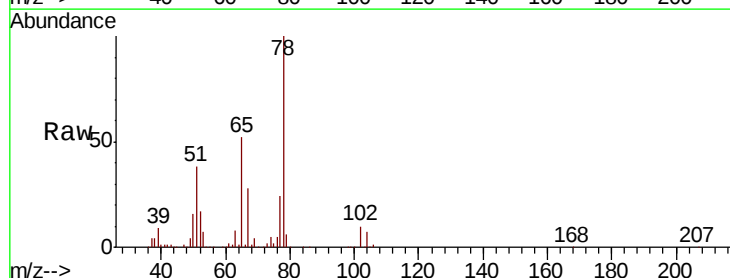
Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

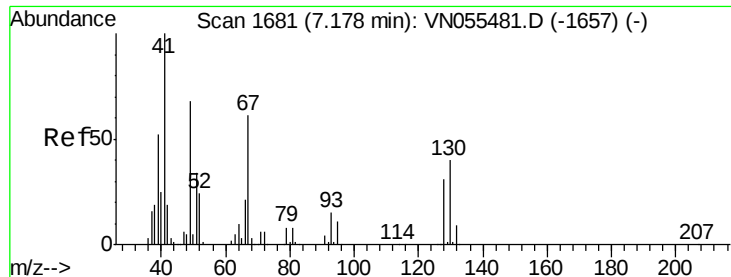
Tot Ion: 83 Resp: 276235
Ion Ratio Lower Upper
83 100
55 83.8 67.0 100.4
98 43.4 34.2 51.4



#40
Benzene
Concen: 20.460 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 78 Resp: 763425
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8

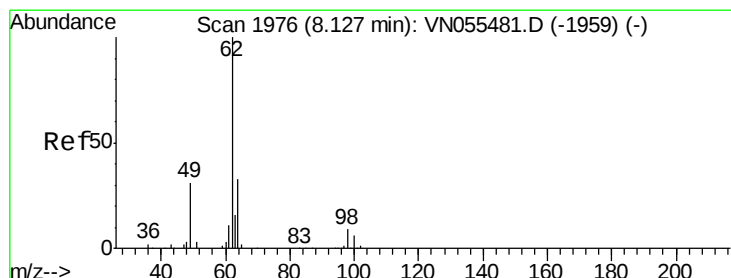
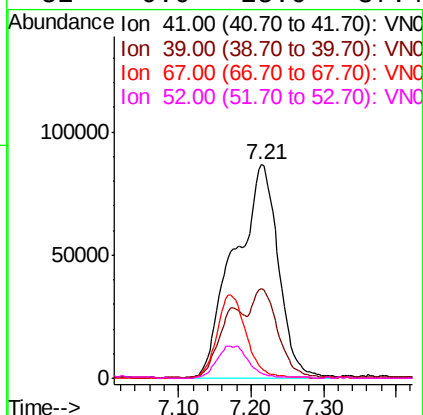
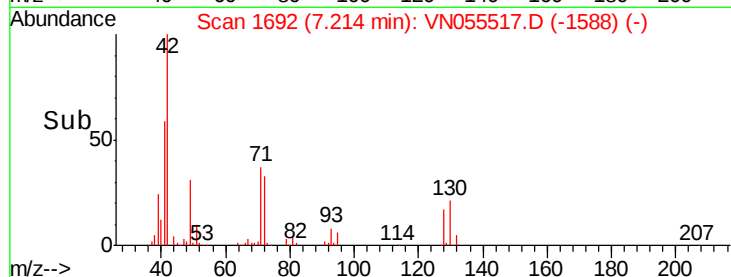
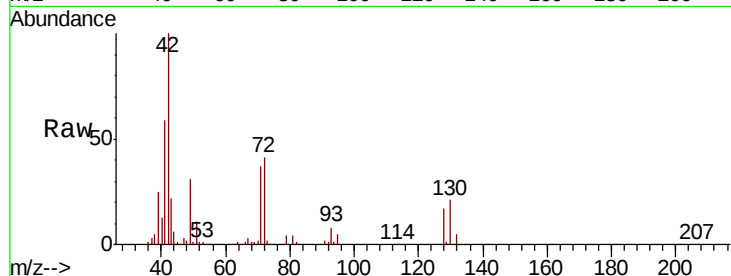




#41
Methacrylonitrile
Concen: 59.693 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

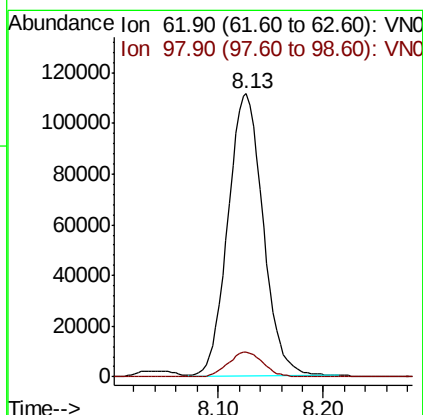
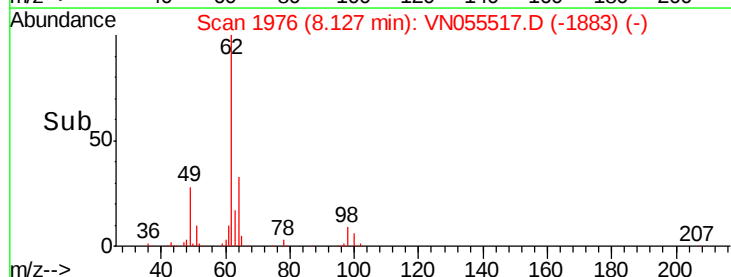
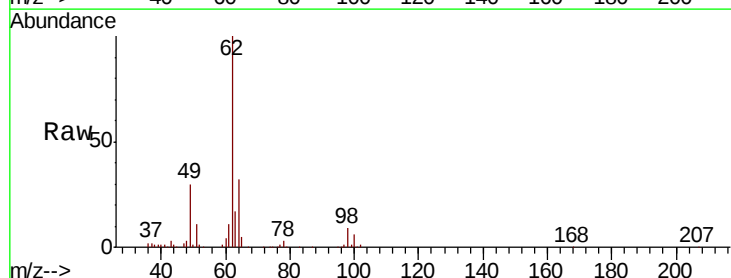
Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

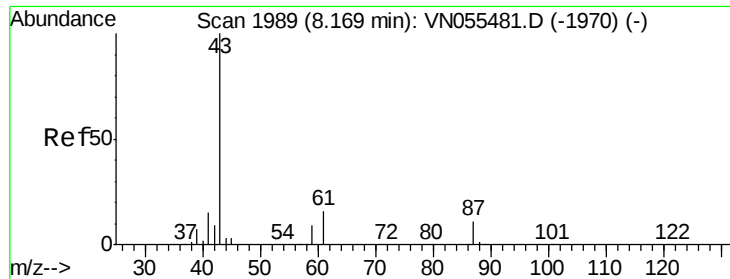
Tot Ion	Ratio	Lower	Upper
41	100		
39	23.7	44.7	67.1#
67	0.0	61.4	92.0#
52	0.0	25.0	37.4#



#42
1,2-Dichloroethane
Concen: 19.683 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.4





#43

Isopropyl Acetate

Concen: 18.821 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

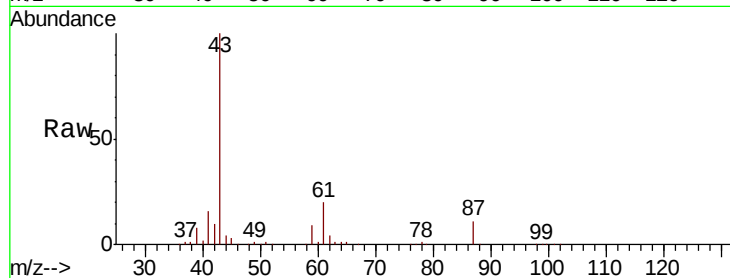
MSVOA_N

ClientSampleId :

VN0509WBS02

Tot Ion: 43 Resp: 374995

Ion	Ratio	Lower	Upper
43	100		
61	27.1	15.1	22.7#
87	11.8	9.0	13.6

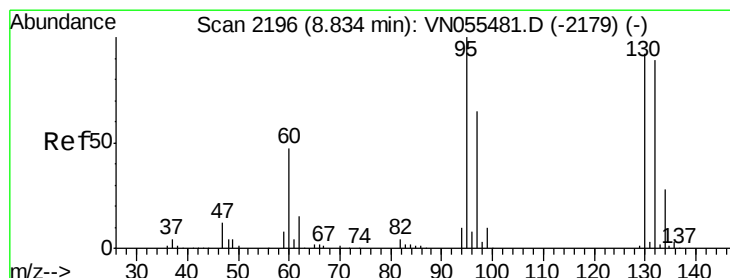
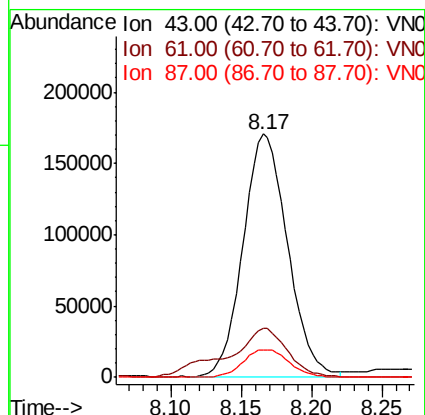
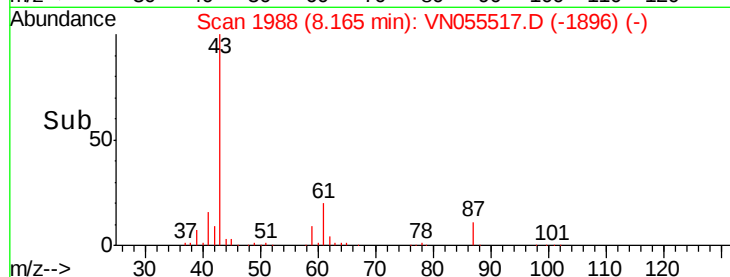


Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055481.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055481.D (-1970) (-)

Time-->



#44

Trichloroethene

Concen: 20.258 ug/l

RT: 8.83 min Scan# 2196

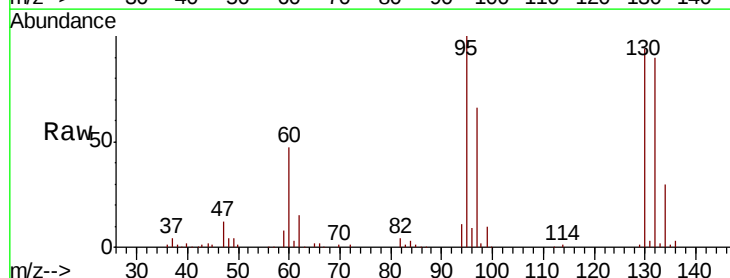
Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion: 130 Resp: 179859

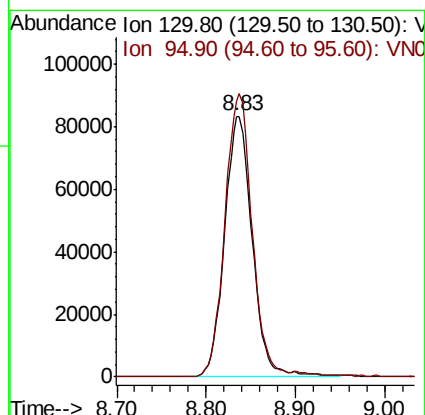
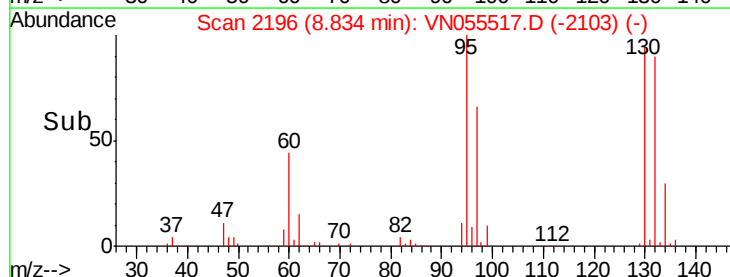
Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	216.8

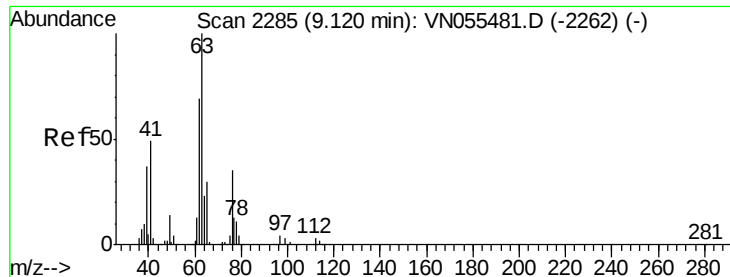


Abundance Ion 129.80 (129.50 to 130.50): VN055481.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055481.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.769 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

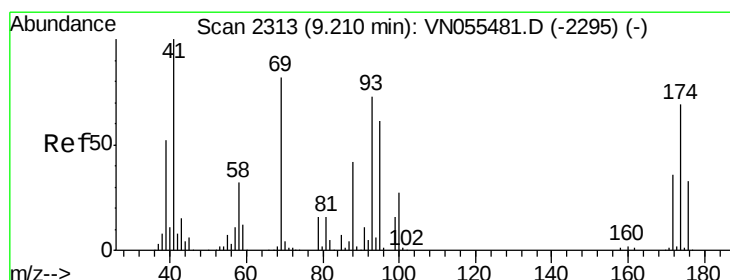
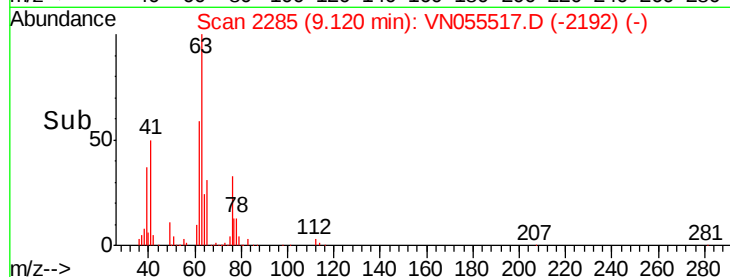
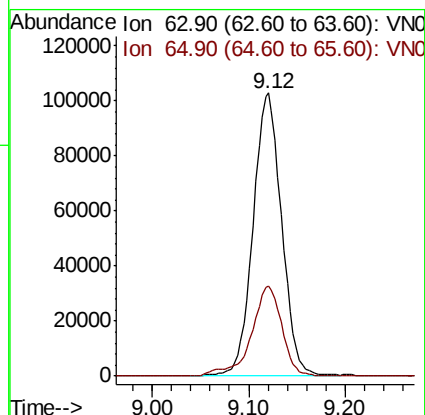
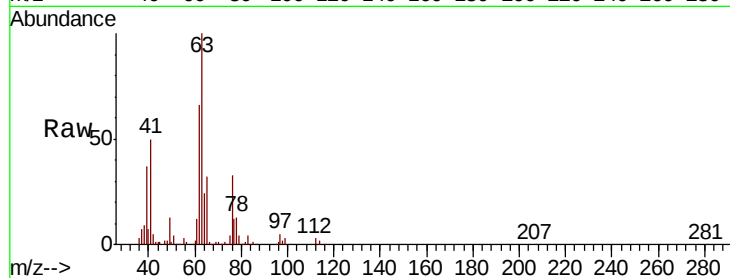
VN0509WBS02

Tot Ion: 63 Resp: 211061

Ion Ratio Lower Upper

63 100

65 31.9 24.1 36.1



#46

Dibromomethane

Concen: 20.084 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

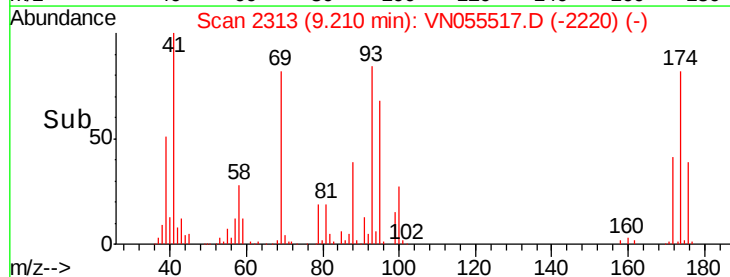
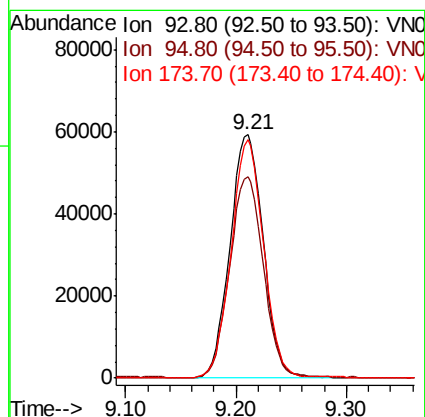
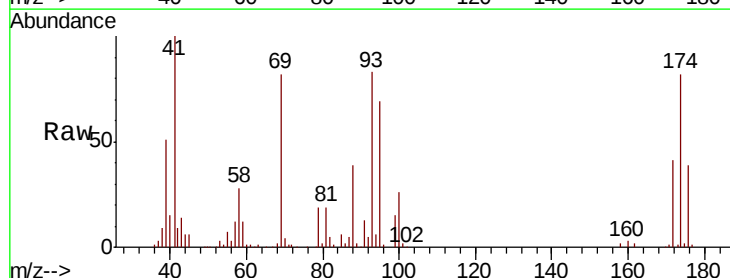
Tgt Ion: 93 Resp: 124288

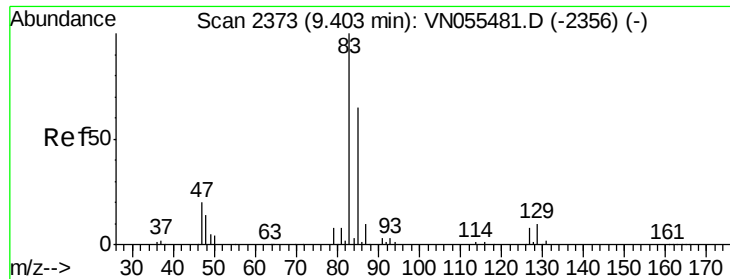
Ion Ratio Lower Upper

93 100

95 84.1 64.8 97.2

174 95.6 75.0 112.6





#47

Bromodichloromethane

Concen: 20.083 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

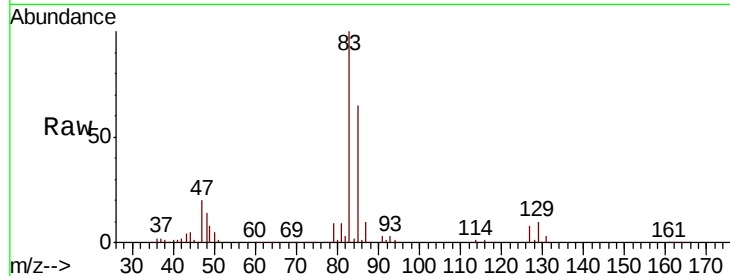
Tot Ion: 83 Resp: 237753

Ion Ratio Lower Upper

83 100

85 64.8 52.2 78.2

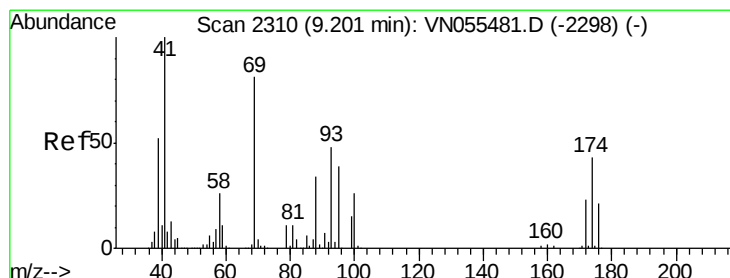
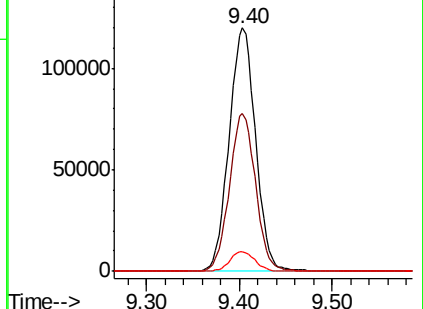
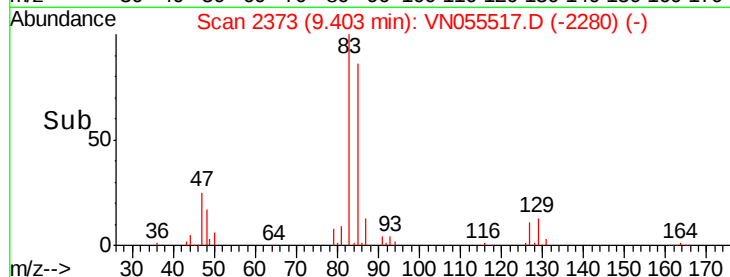
127 8.1 6.5 9.7



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: 18.374 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

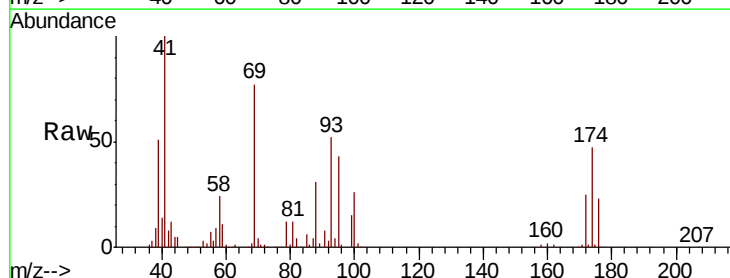
Tgt Ion: 41 Resp: 176383

Ion Ratio Lower Upper

41 100

69 83.3 64.2 96.2

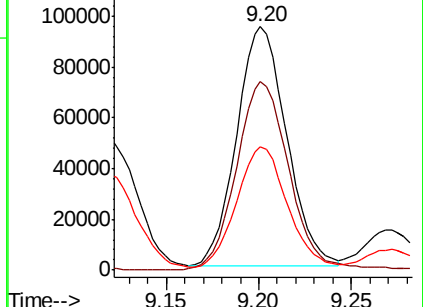
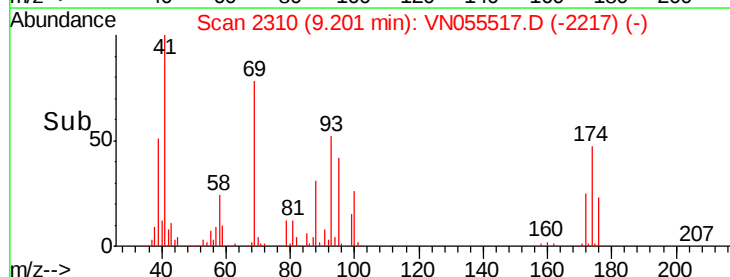
39 52.7 41.6 62.4

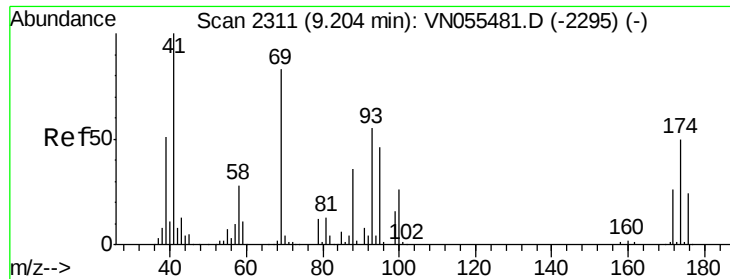


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

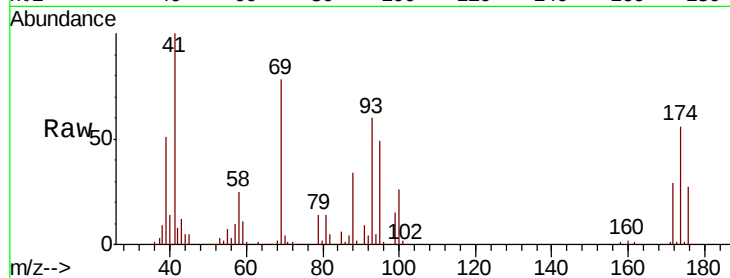




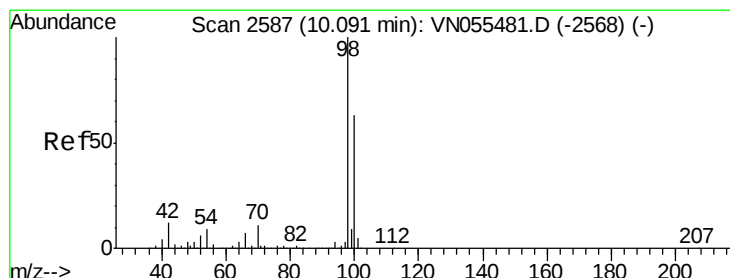
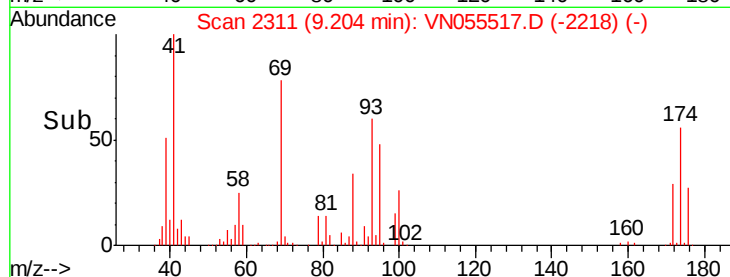
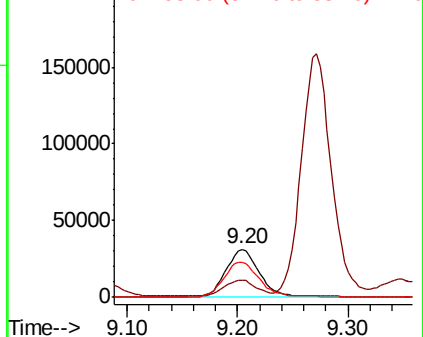
#49
1,4-Dioxane
Concen: 360.398 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion: 88 Resp: 67431
Ion Ratio Lower Upper
88 100
43 31.8 27.8 41.8
58 75.3 61.8 92.6

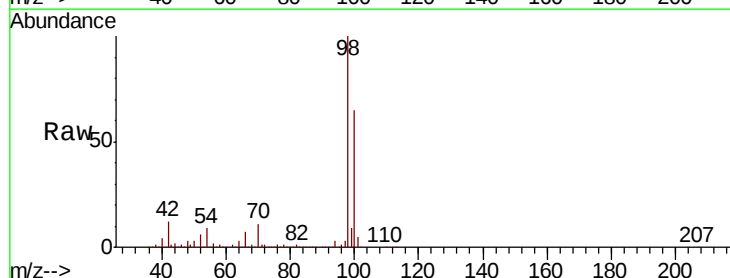


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

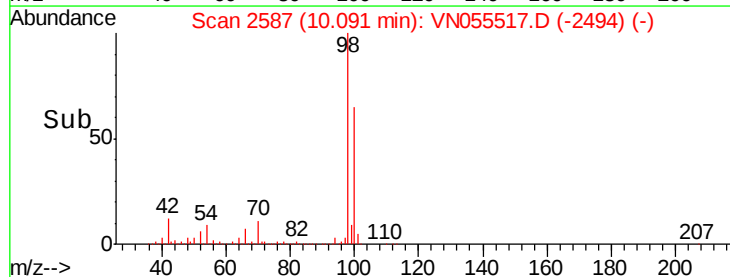
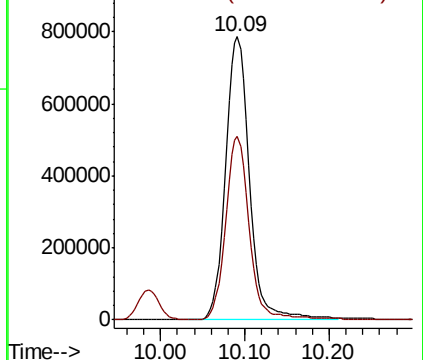


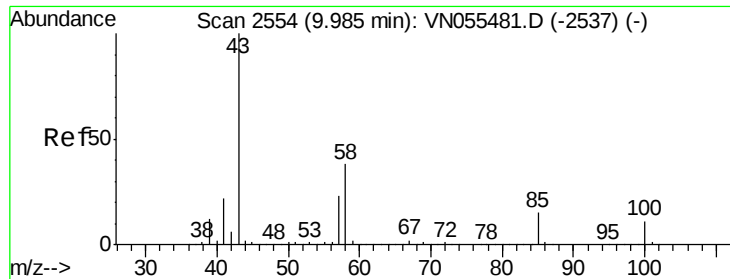
#50
Toluene-d8
Concen: 50.612 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 98 Resp: 1552660
Ion Ratio Lower Upper
98 100
100 63.9 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: 91.344 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

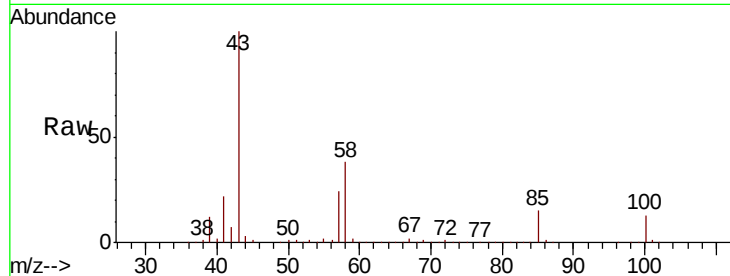
VN0509WBS02

Tot Ion: 43 Resp: 1196970

Ion Ratio Lower Upper

43 100

58 37.8 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-2537) (-)

9.99

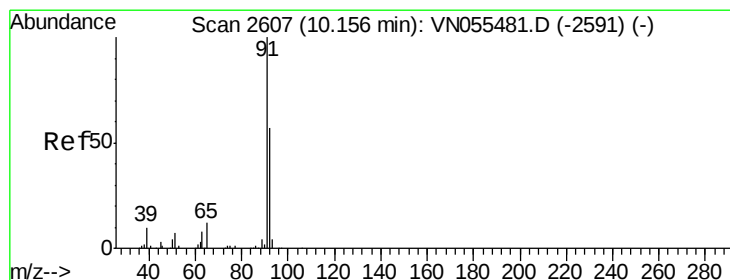
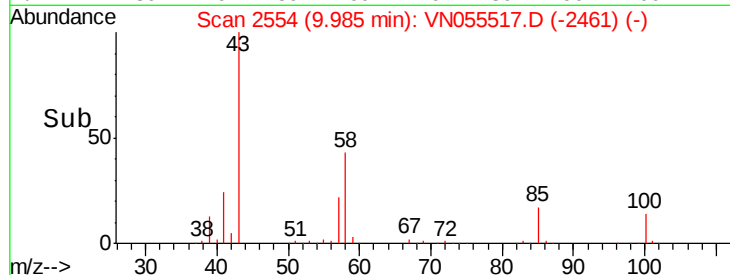
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.700 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055517.D

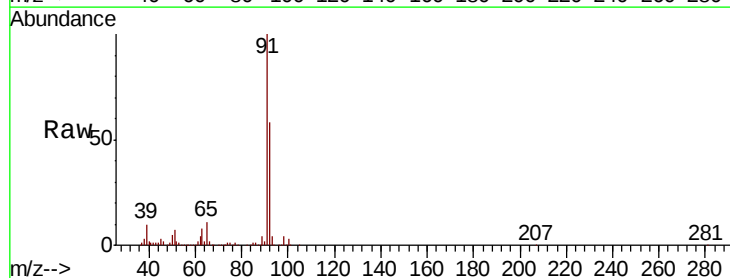
Acq: 10 May 2019 00:24

Tgt Ion: 92 Resp: 441562

Ion Ratio Lower Upper

92 100

91 174.8 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN055481.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055481.D (-2591) (-)

10.16

400000

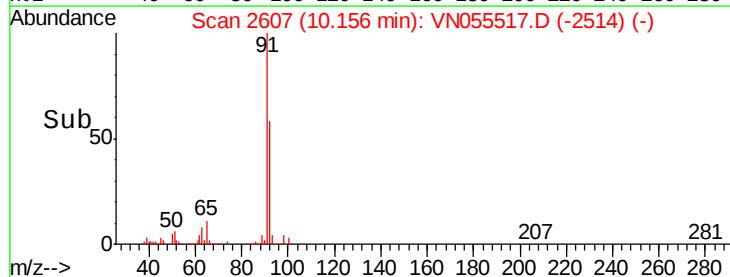
300000

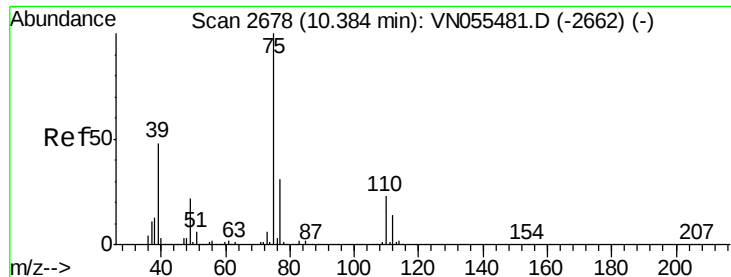
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.062 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

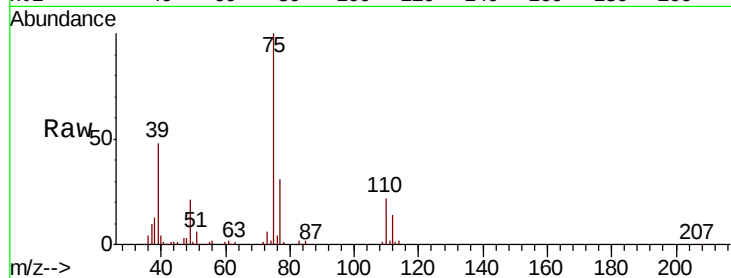
VN0509WBS02

Tot Ion: 75 Resp: 216738

Ion Ratio Lower Upper

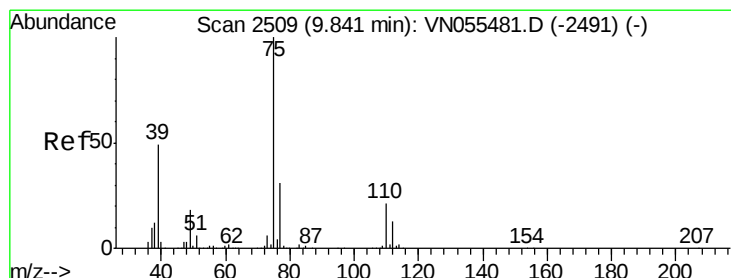
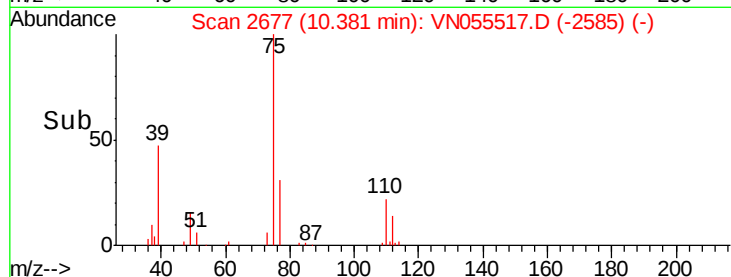
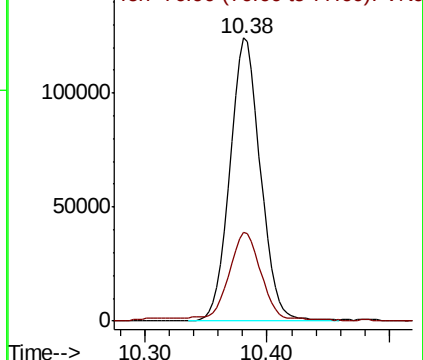
75 100

77 30.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.858 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

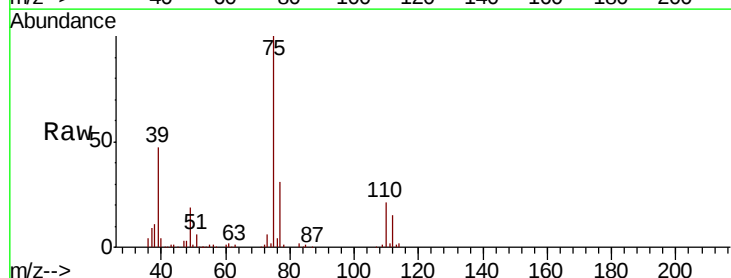
Tgt Ion: 75 Resp: 269801

Ion Ratio Lower Upper

75 100

77 30.9 24.4 36.6

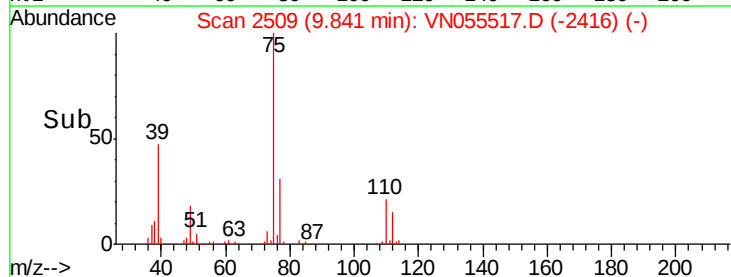
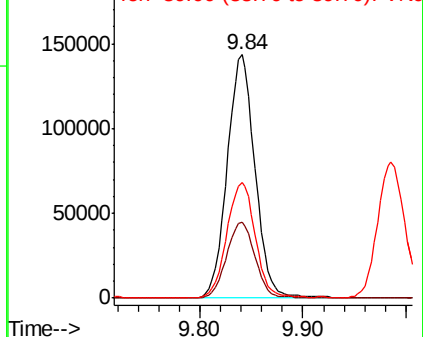
39 47.2 39.5 59.3

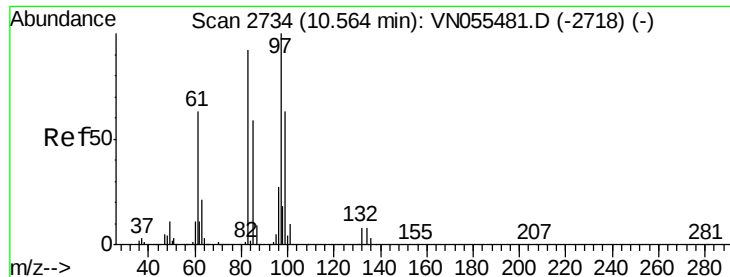


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.083 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS02

Tot Ion: 97 Resp: 173573

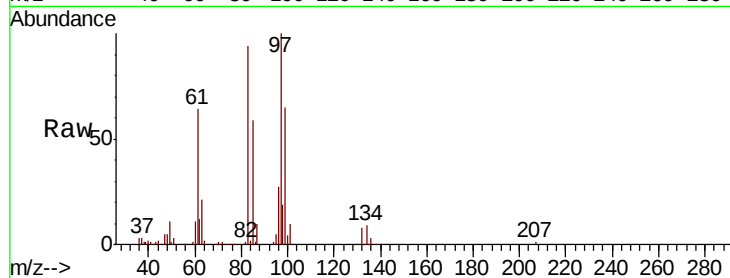
Ion Ratio Lower Upper

97 100

83 94.5 73.2 109.8

85 59.1 47.5 71.3

99 65.0 50.2 75.2

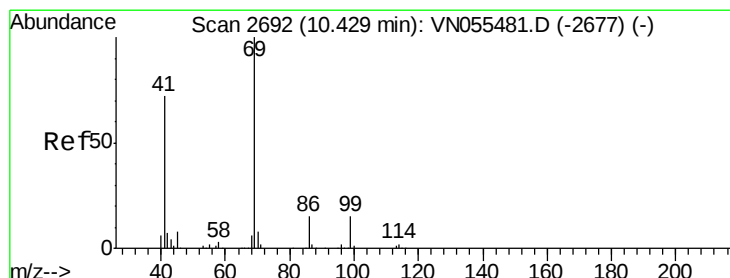
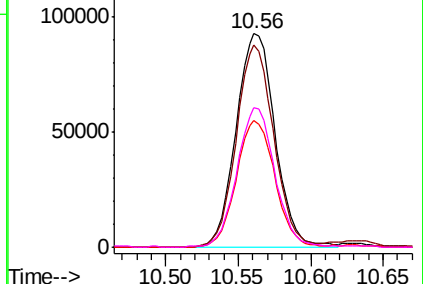
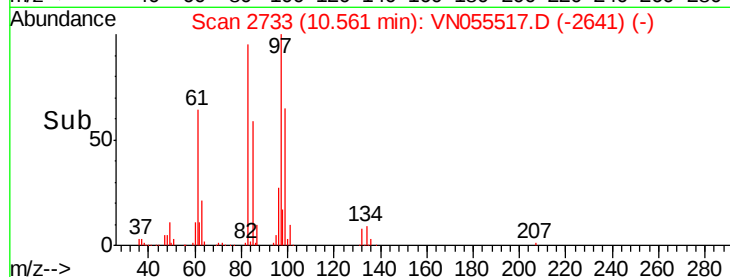


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.005 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

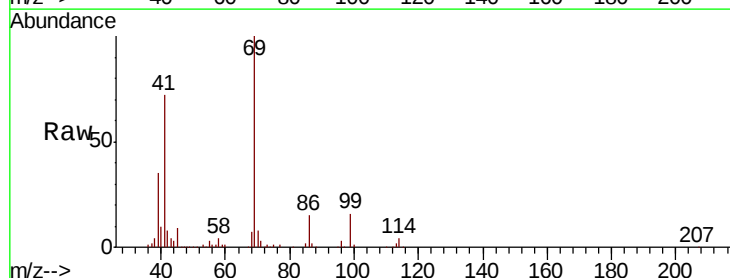
Tgt Ion: 69 Resp: 244330

Ion Ratio Lower Upper

69 100

41 68.8 56.2 84.2

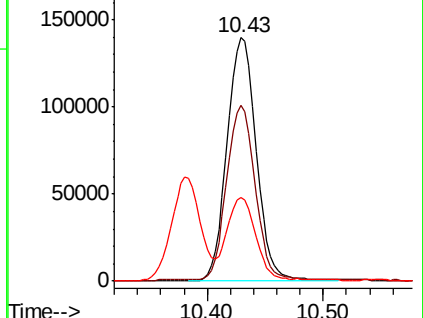
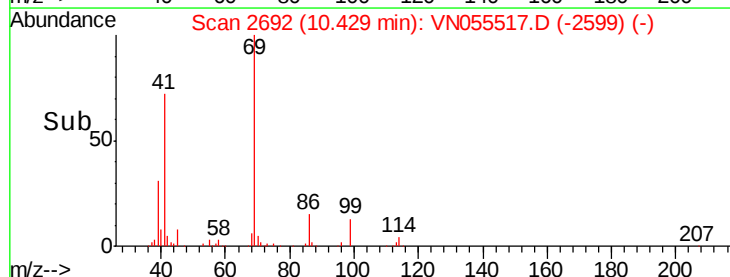
39 33.3 27.8 41.6

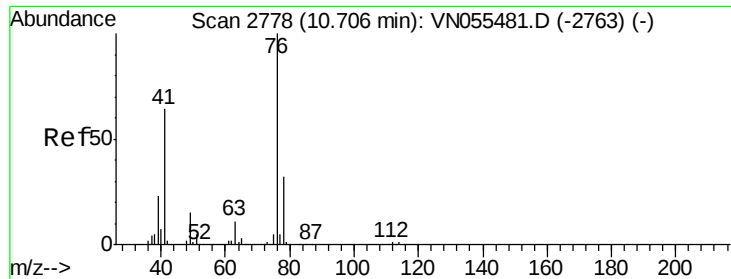


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

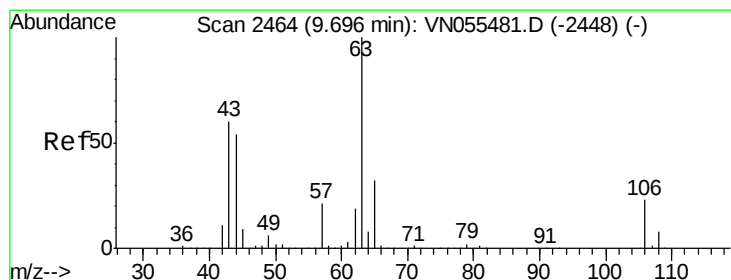
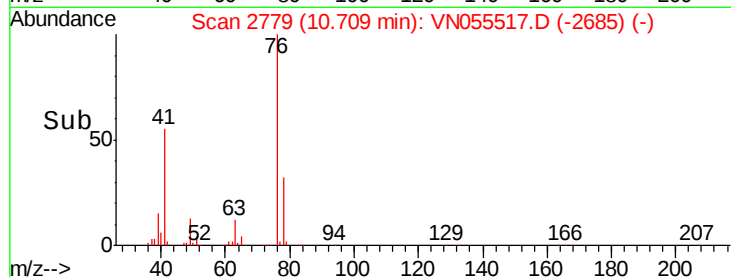
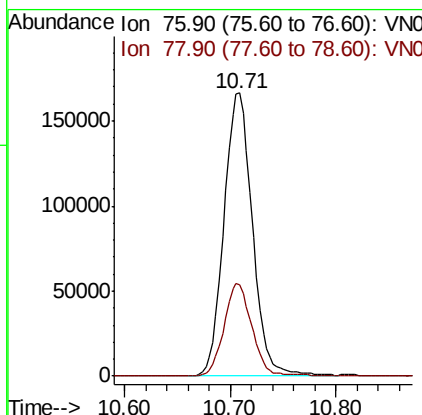
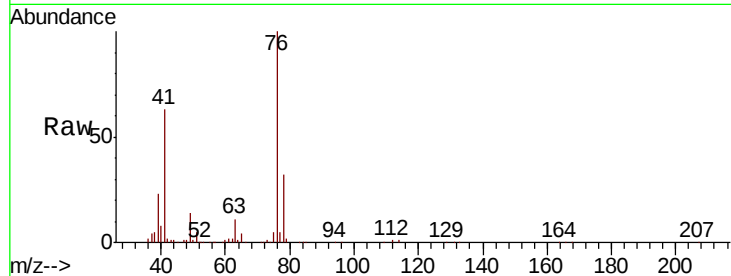




#57
 1,3-Dichloropropane
 Concen: 20.292 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

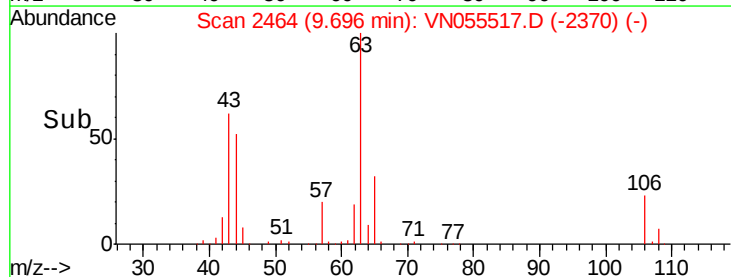
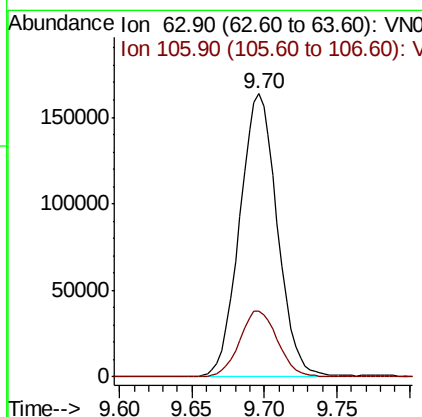
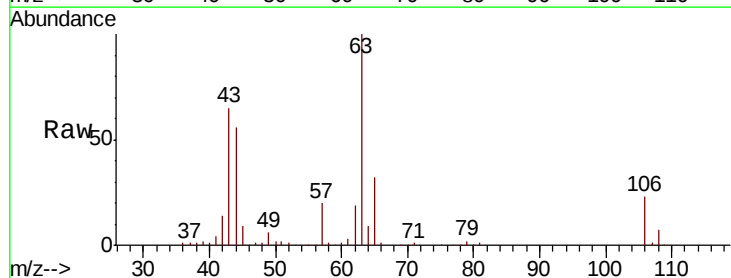
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

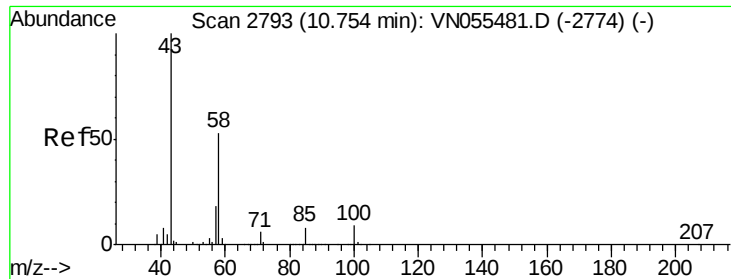
Tot Ion: 76 Resp: 311360
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 77.337 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion: 63 Resp: 295324
 Ion Ratio Lower Upper
 63 100
 106 23.7 18.6 27.8

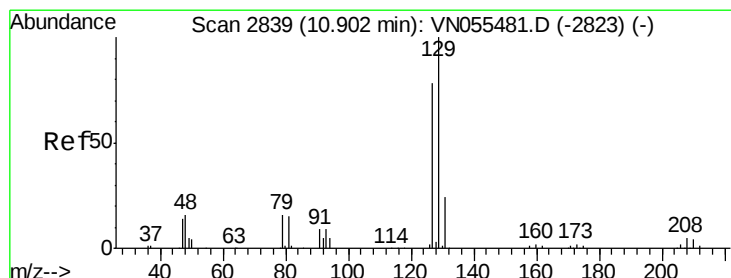
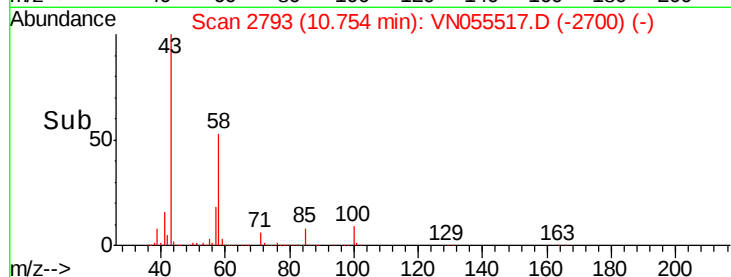
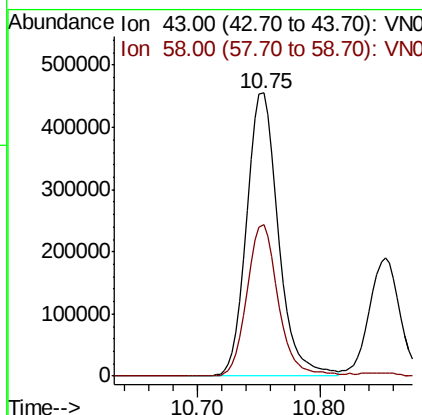
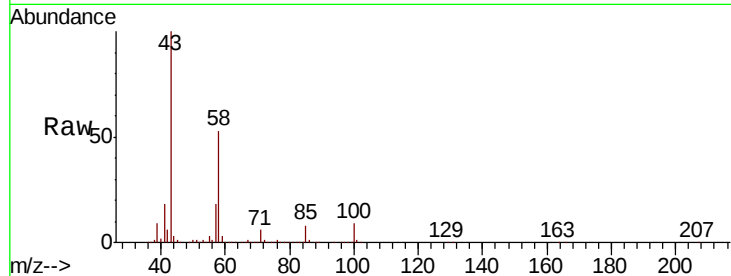




#59
2-Hexanone
Concen: 88.176 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

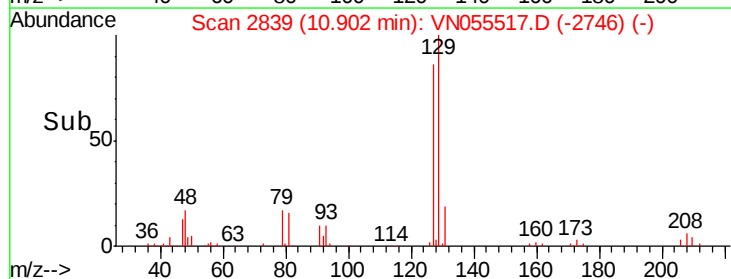
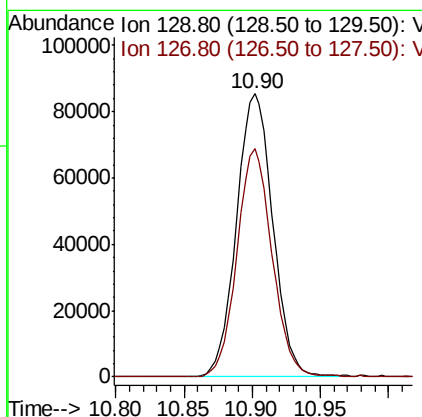
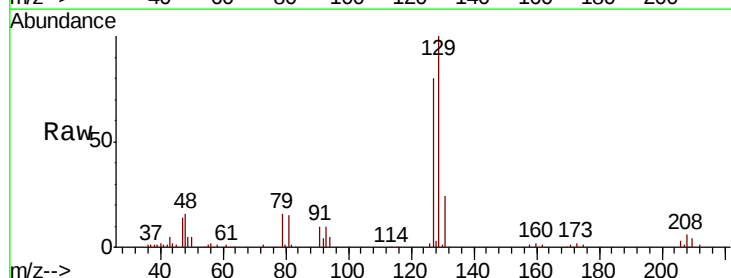
Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

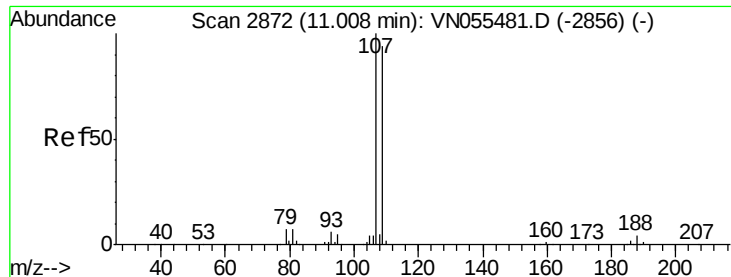
Tot Ion: 43 Resp: 810320
Ion Ratio Lower Upper
43 100
58 52.9 26.4 79.0



#60
Dibromochloromethane
Concen: 20.133 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 129 Resp: 158207
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0

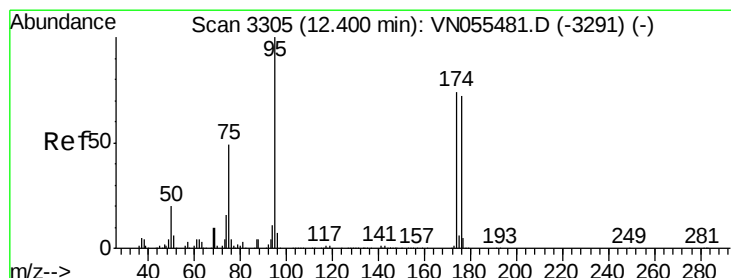
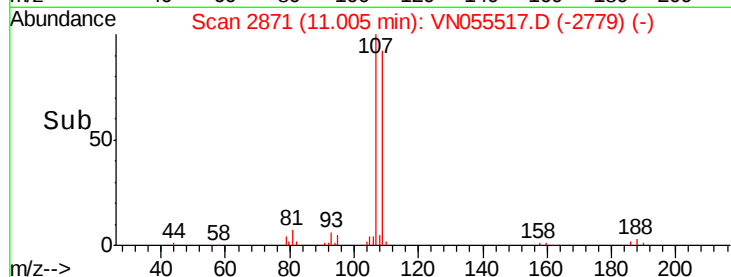
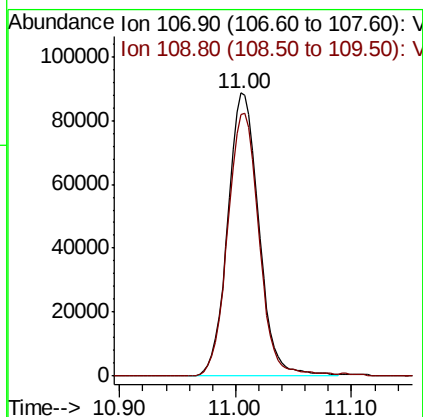
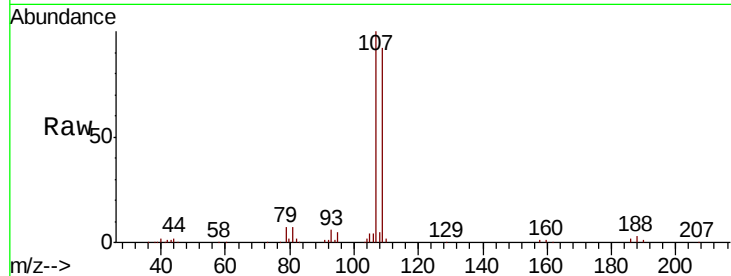




#61
 1,2-Dibromoethane
 Concen: 19.854 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

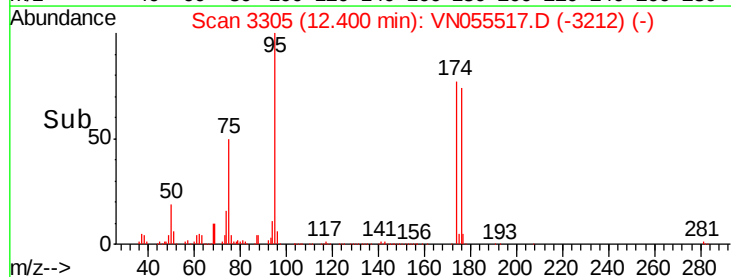
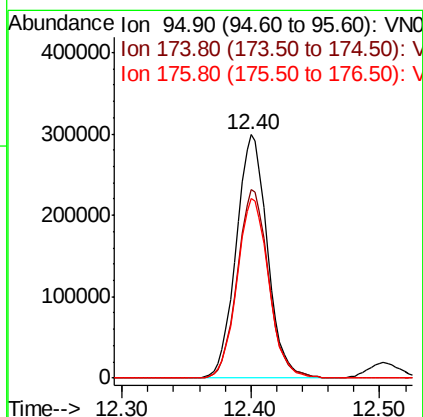
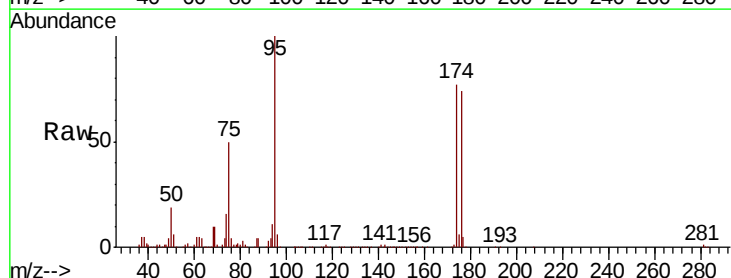
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

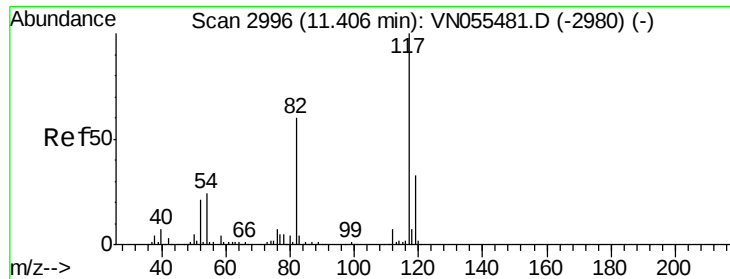
Tot Ion:107 Resp: 164876
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 48.629 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion: 95 Resp: 503016
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 152.2
 176 75.1 0.0 147.8

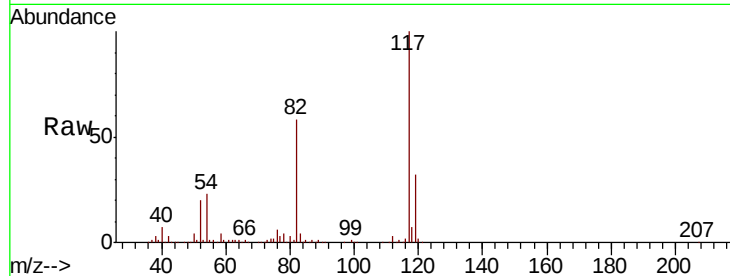




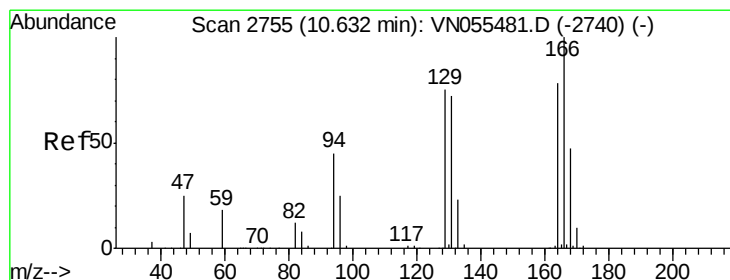
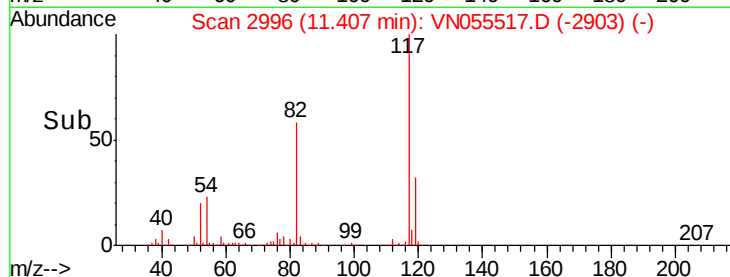
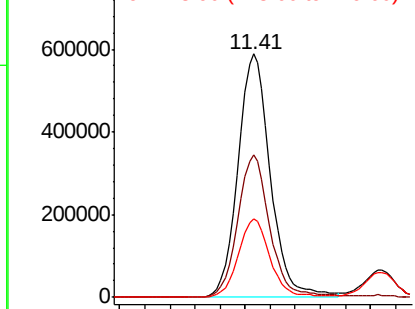
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion:117 Resp: 1057343
Ion Ratio Lower Upper
117 100
82 58.5 48.0 72.0
119 32.3 26.0 39.0

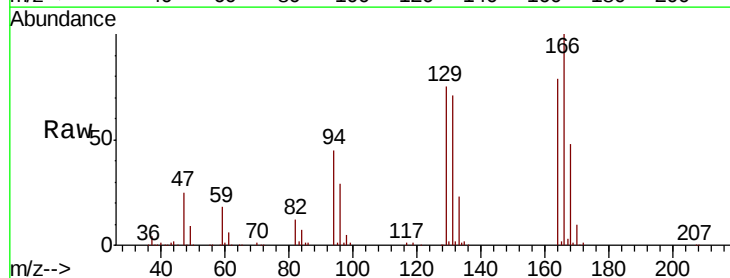


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

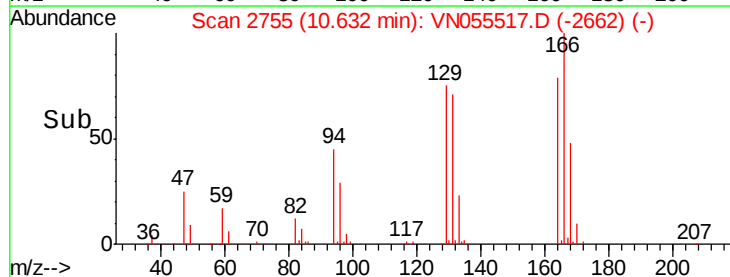
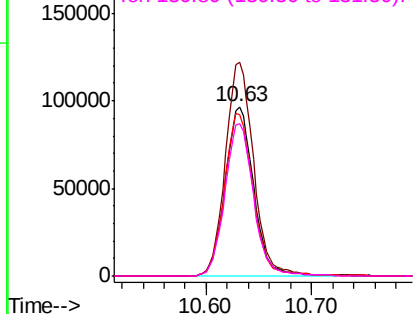


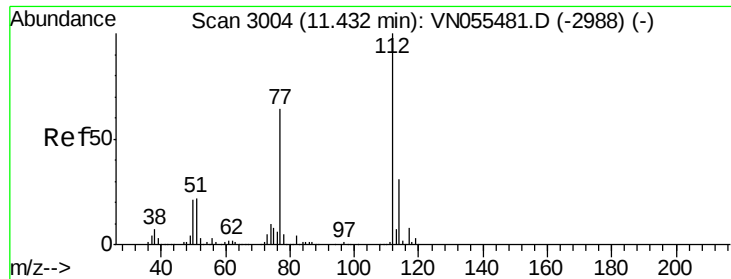
#64
Tetrachloroethene
Concen: 20.818 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion:164 Resp: 180363
Ion Ratio Lower Upper
164 100
166 126.1 102.6 153.8
129 95.0 77.0 115.6
131 89.9 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: 20.113 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

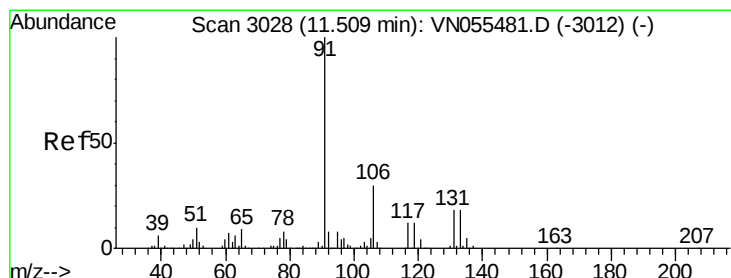
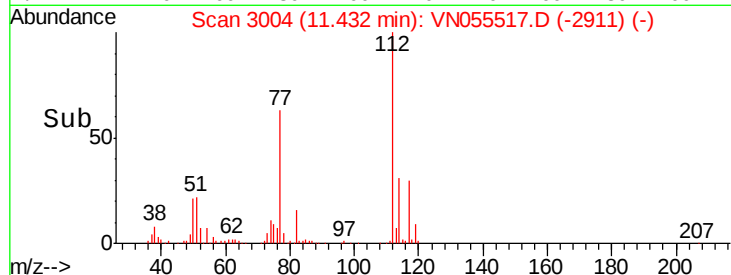
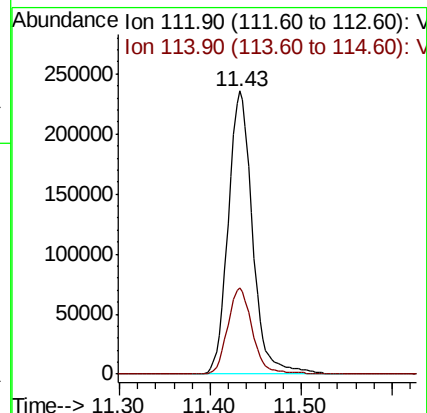
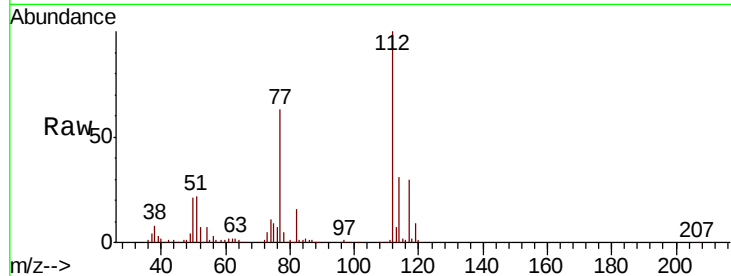
VN0509WBS02

Tot Ion:112 Resp: 437527

Ion Ratio Lower Upper

112 100

114 30.5 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.871 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

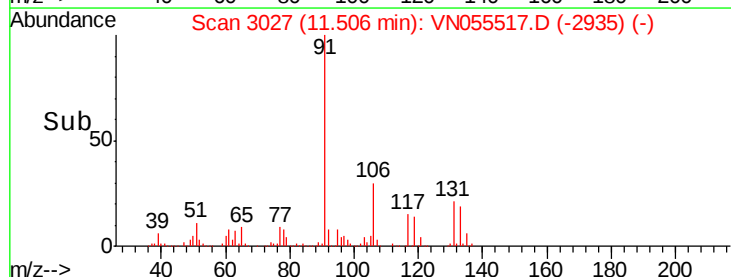
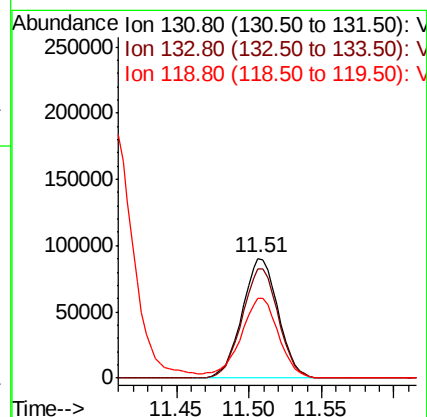
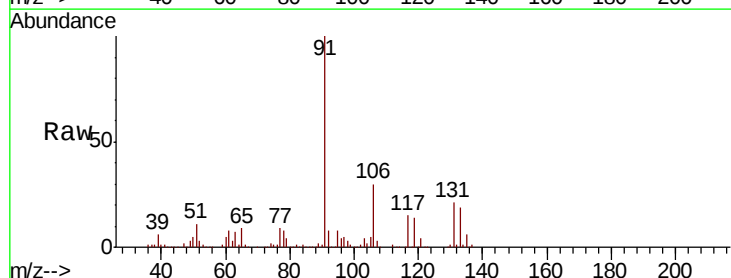
Tgt Ion:131 Resp: 156298

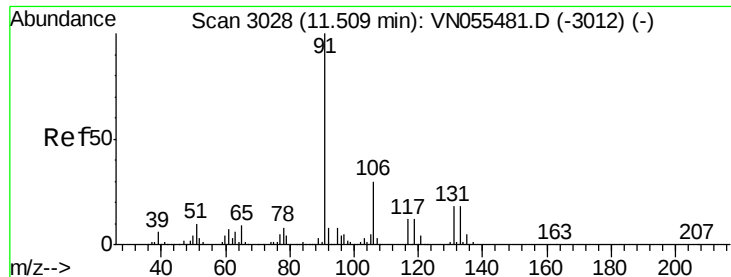
Ion Ratio Lower Upper

131 100

133 92.2 47.4 142.2

119 69.8 34.1 102.2

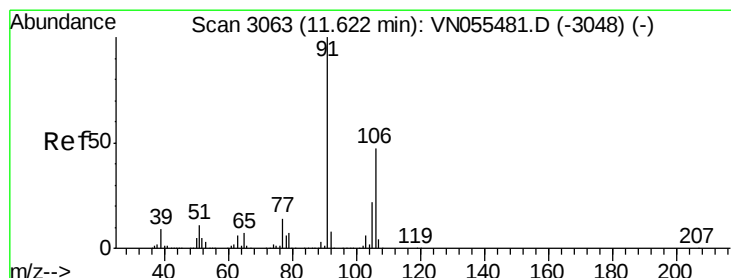
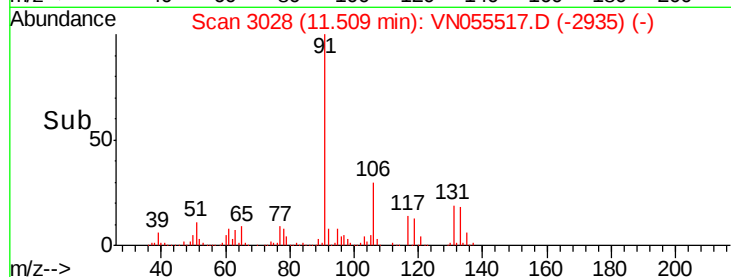
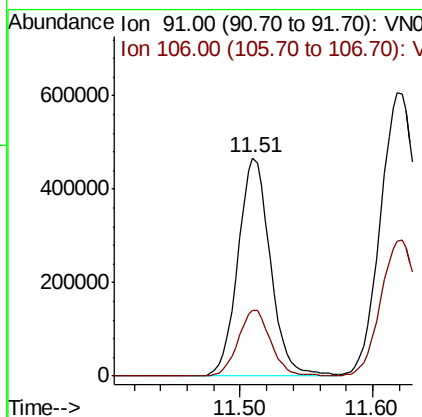
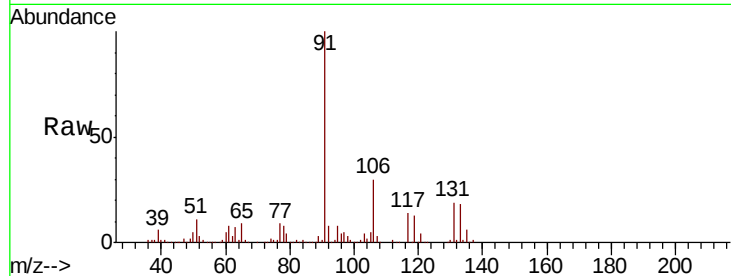




#67
Ethyl Benzene
Concen: 19.413 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

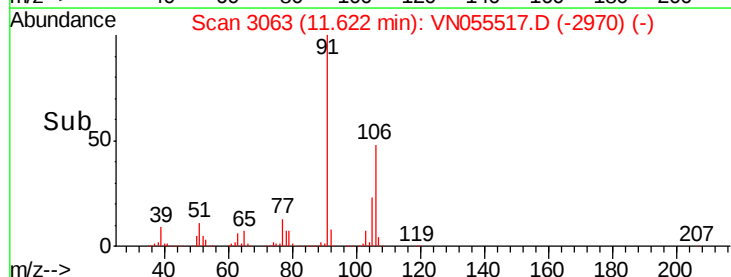
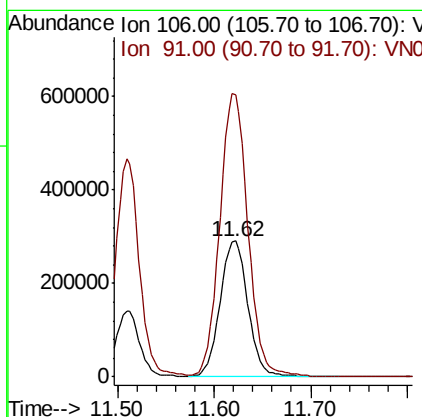
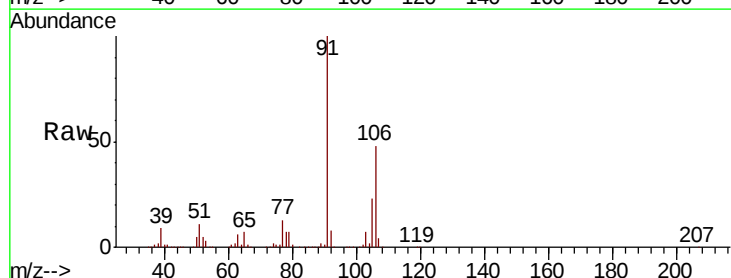
Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

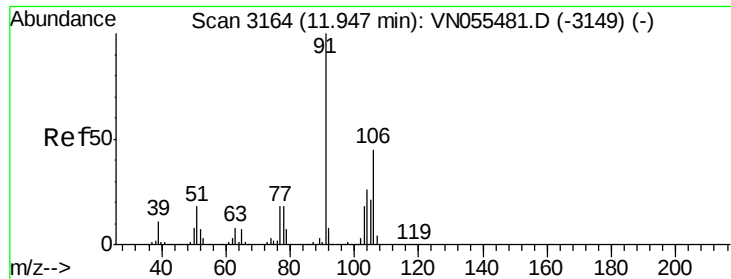
Tot Ion: 91 Resp: 793121
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6



#68
m/p-Xylenes
Concen: 39.825 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 106 Resp: 583918
Ion Ratio Lower Upper
106 100
91 209.8 169.2 253.8

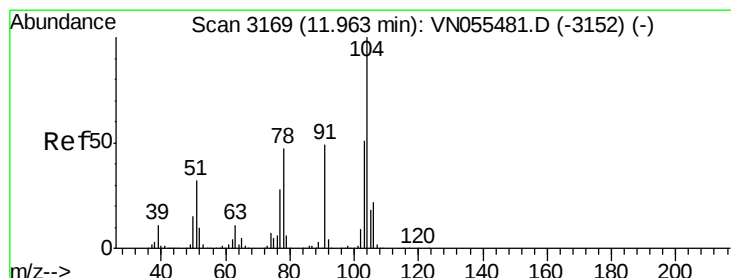
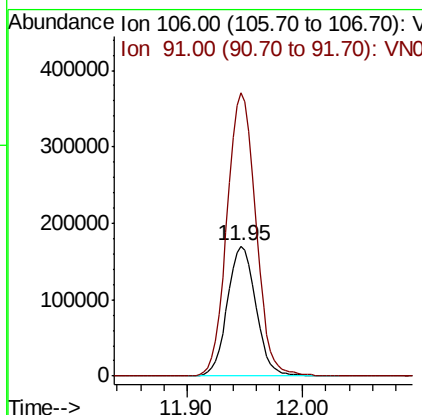
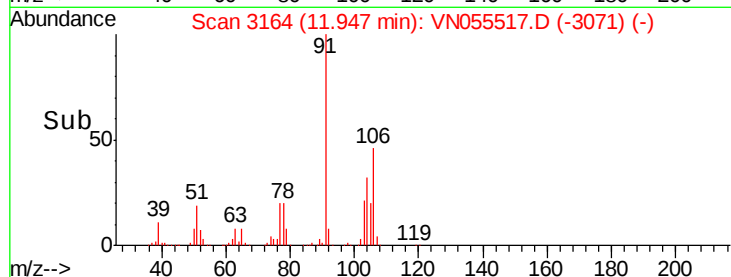
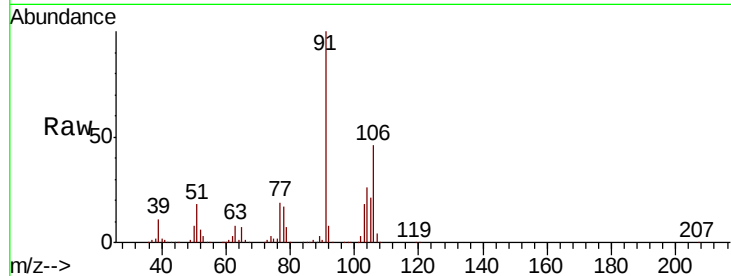




#69
o-Xylene
Concen: 20.130 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

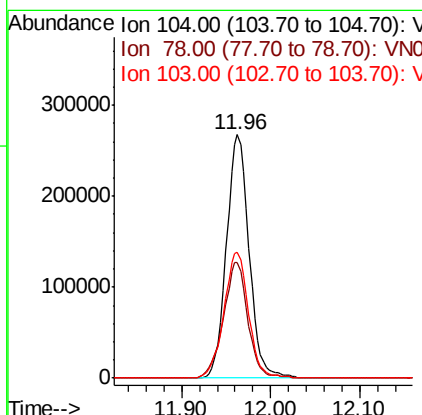
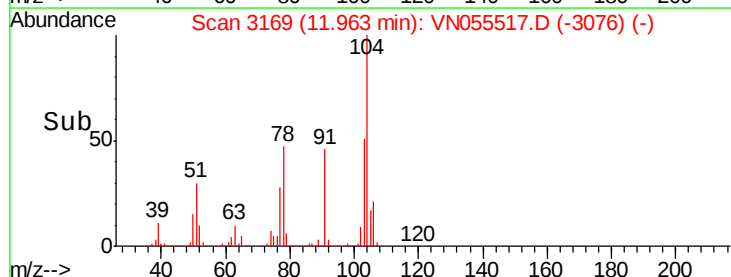
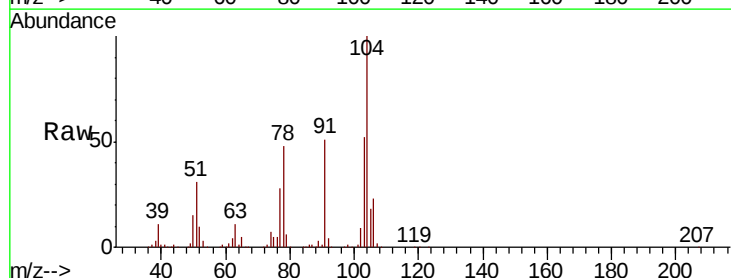
Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

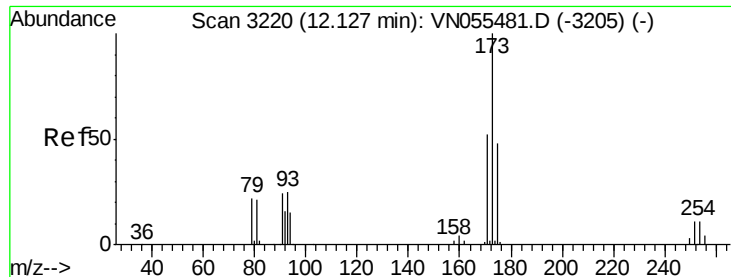
Tot Ion:106 Resp: 290092
Ion Ratio Lower Upper
106 100
91 220.5 111.3 333.8



#70
Styrene
Concen: 20.376 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion:104 Resp: 470441
Ion Ratio Lower Upper
104 100
78 51.4 41.6 62.4
103 56.1 44.4 66.6





#71

Bromoform

Concen: 20.256 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

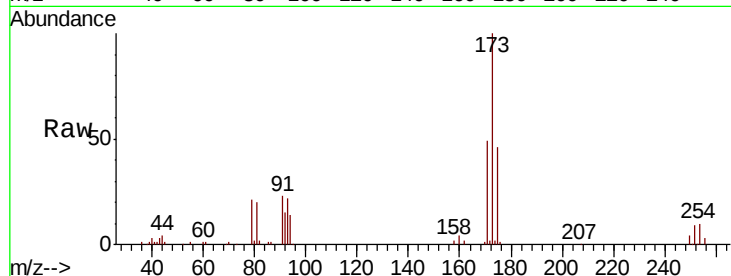
Tot Ion:173 Resp: 102364

Ion Ratio Lower Upper

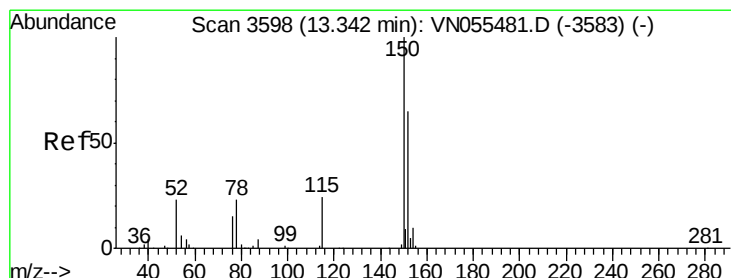
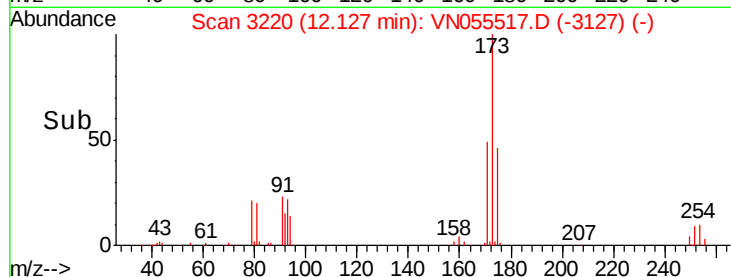
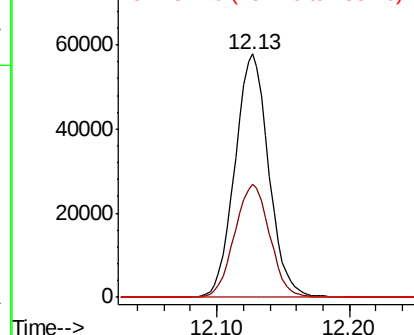
173 100

175 48.2 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: VN055517.D

Acq: 10 May 2019 00:24

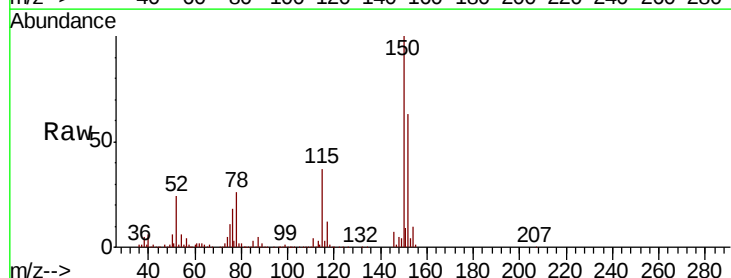
Tgt Ion:152 Resp: 405244

Ion Ratio Lower Upper

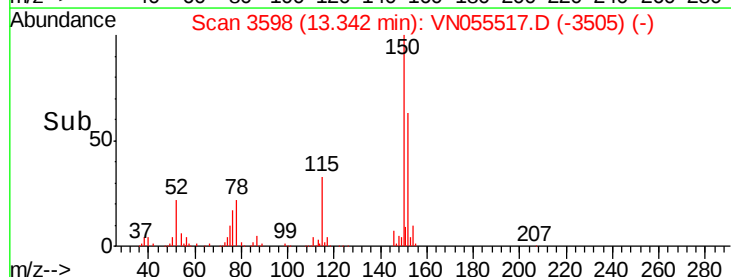
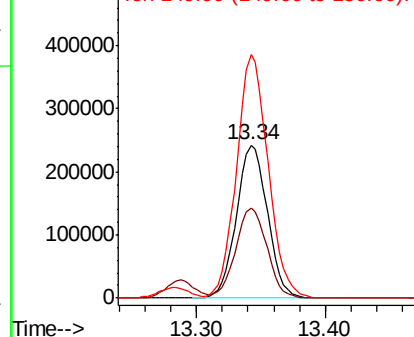
152 100

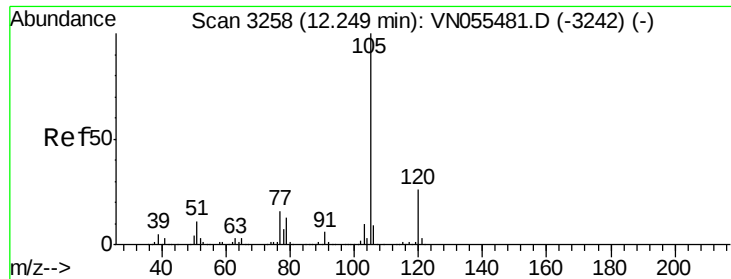
115 59.1 30.1 90.5

150 162.1 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: 21.151 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

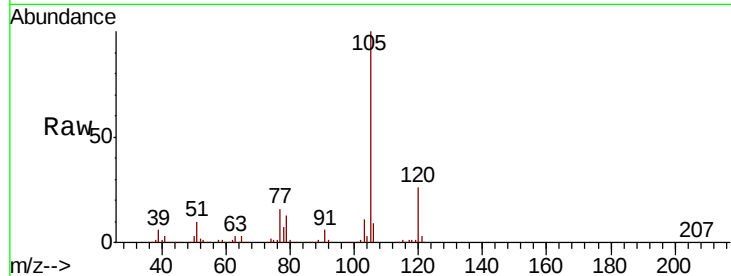
VN0509WBS02

Tot Ion:105 Resp: 755054

Ion Ratio Lower Upper

105 100

120 26.1 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

400000

300000

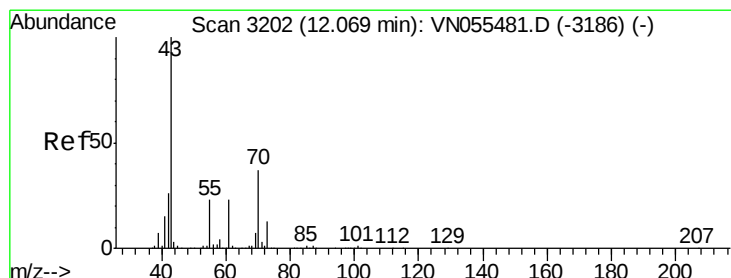
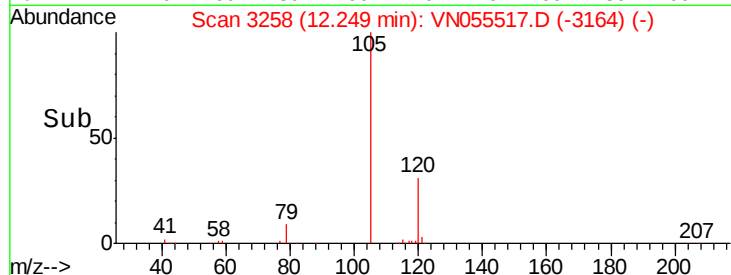
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 17.930 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion: 43 Resp: 275866

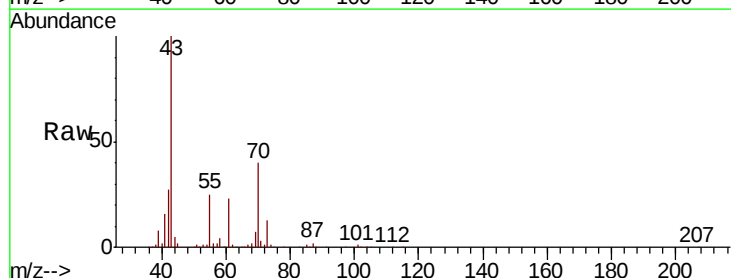
Ion Ratio Lower Upper

43 100

70 39.9 30.7 46.1

55 25.7 19.3 28.9

61 22.8 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

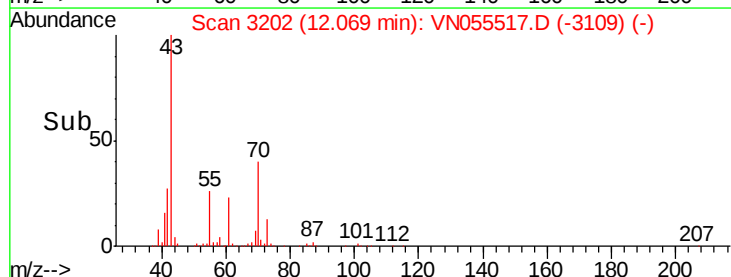
100000

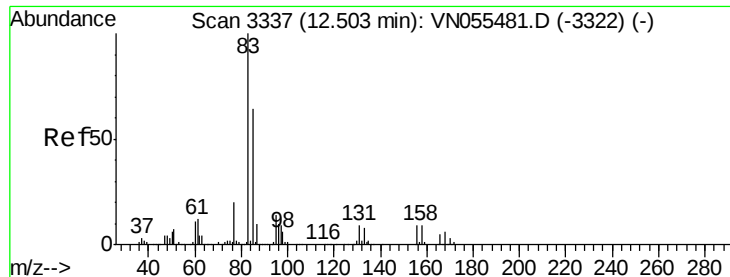
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 20.629 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

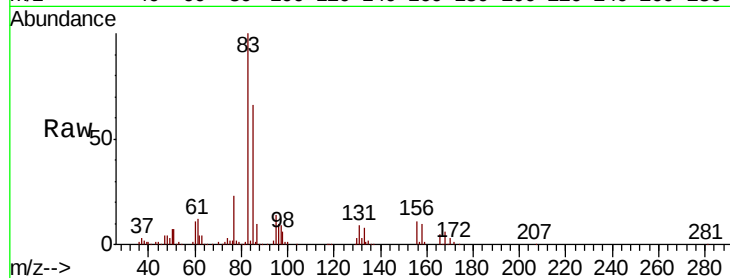
Tot Ion: 83 Resp: 239732

Ion Ratio Lower Upper

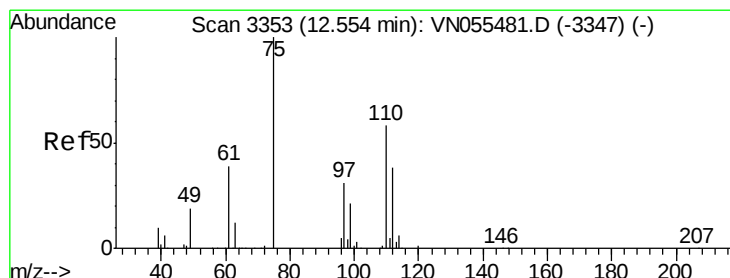
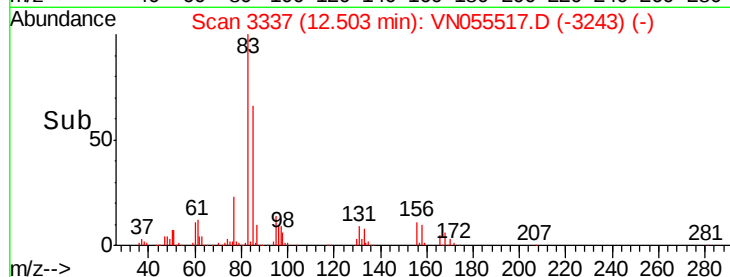
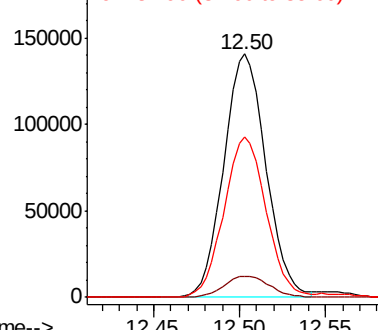
83 100

131 9.4 4.5 13.5

85 65.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 25.066 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055517.D

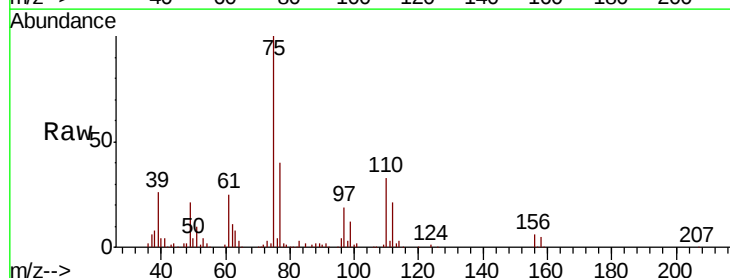
Acq: 10 May 2019 00:24

Tgt Ion: 75 Resp: 276536

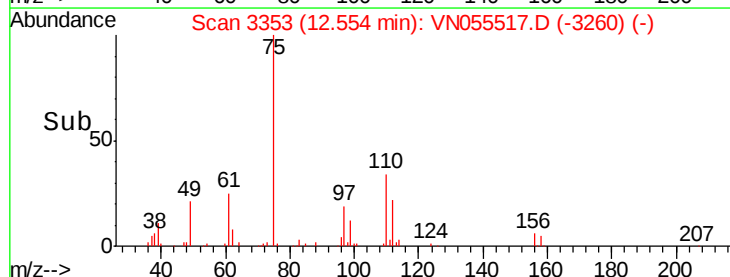
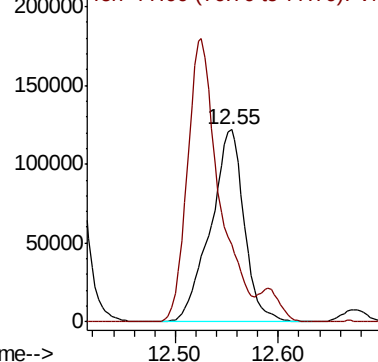
Ion Ratio Lower Upper

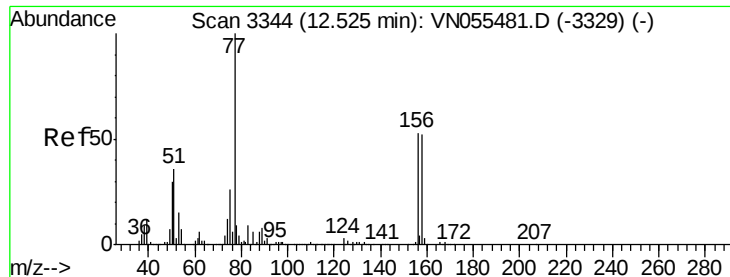
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.511 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

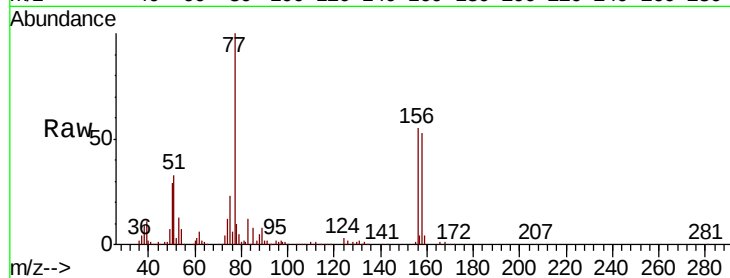
Tot Ion:156 Resp: 174253

Ion Ratio Lower Upper

156 100

77 221.5 115.4 346.2

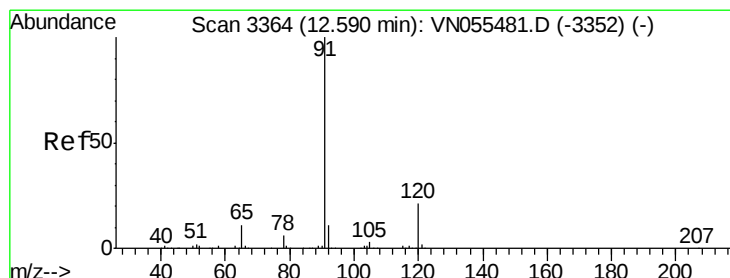
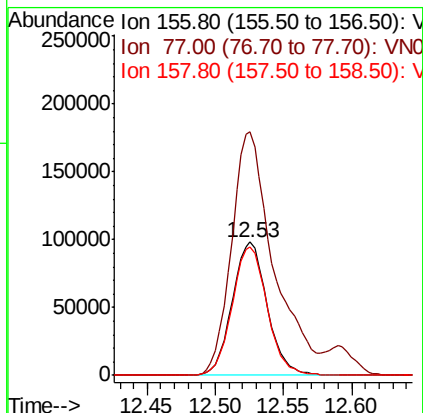
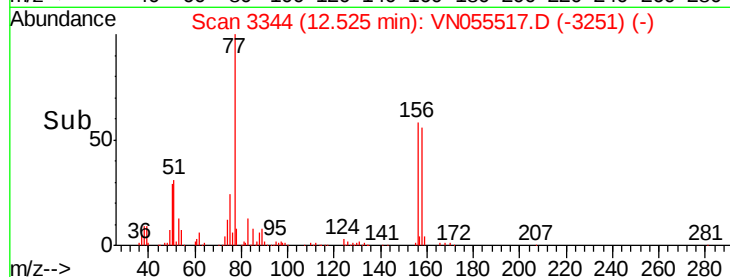
158 97.1 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.154 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055517.D

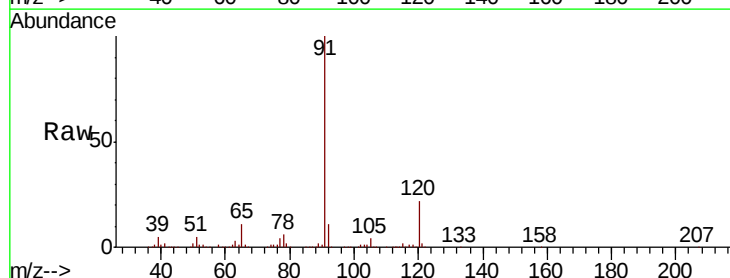
Acq: 10 May 2019 00:24

Tgt Ion: 91 Resp: 832518

Ion Ratio Lower Upper

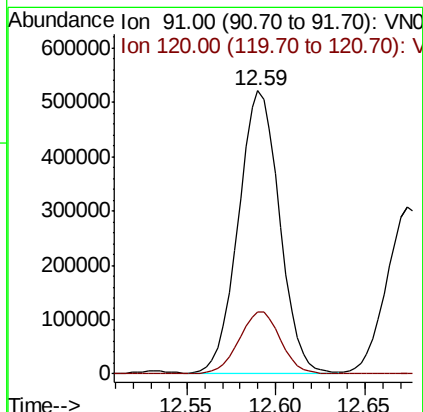
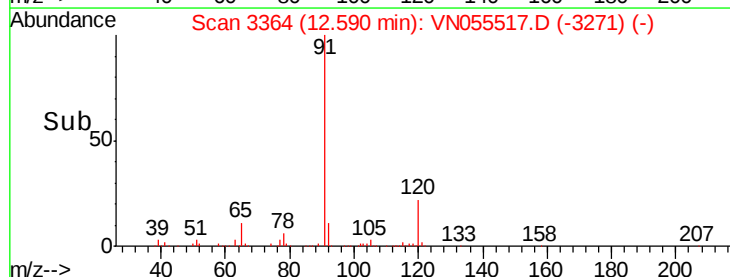
91 100

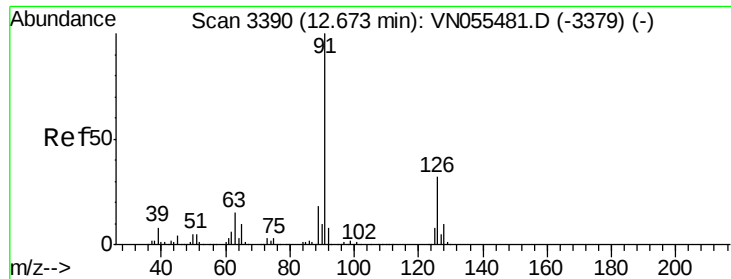
120 22.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

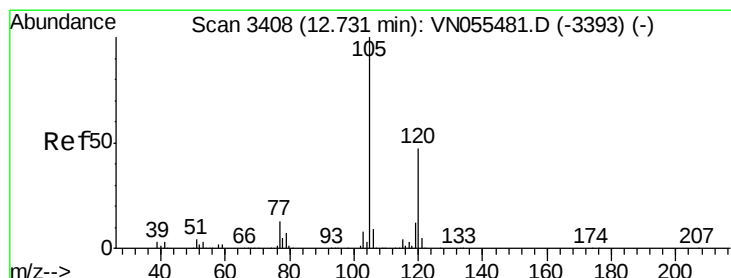
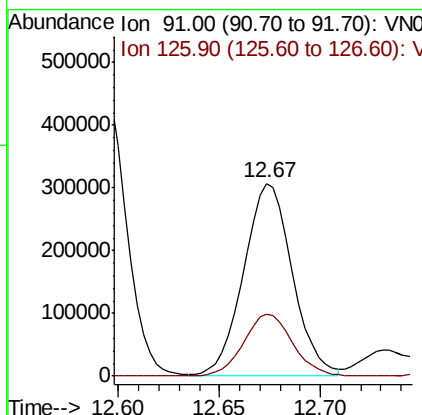
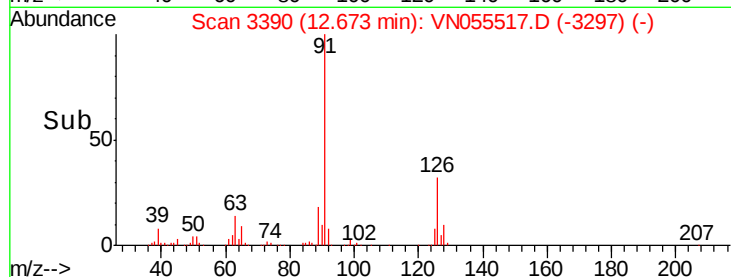
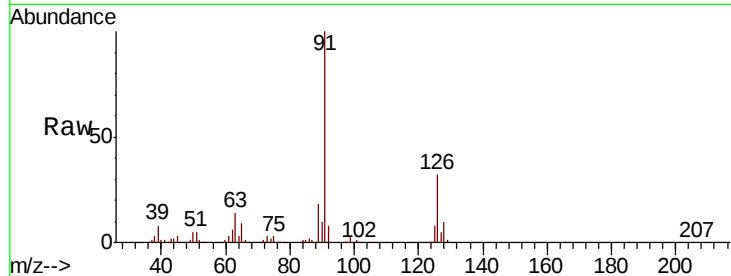




#79
 2-Chlorotoluene
 Concen: 19.025 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

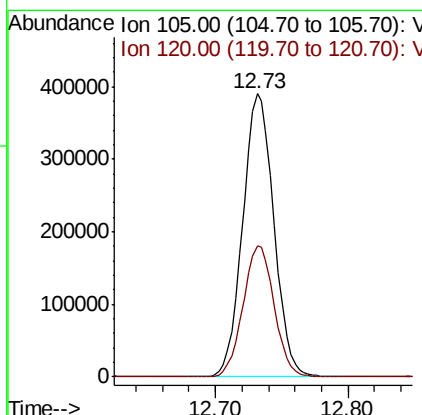
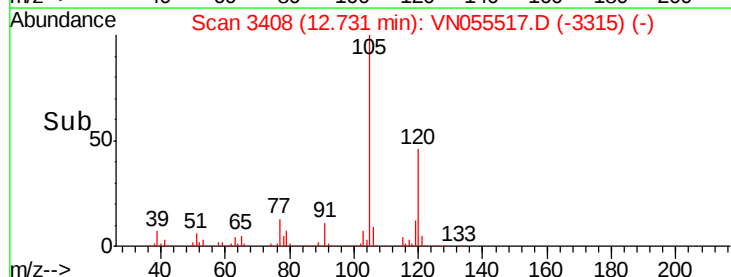
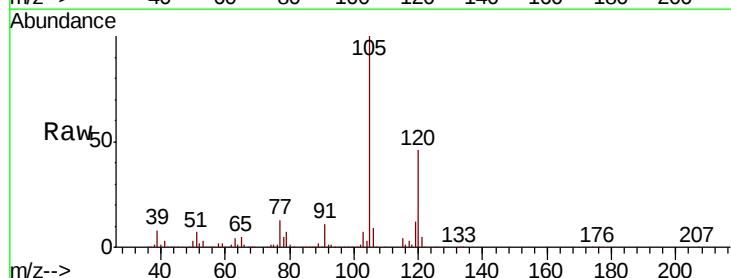
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

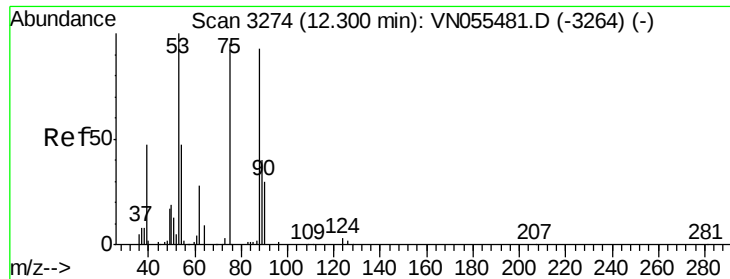
Tot Ion: 91 Resp: 515331
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.555 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion: 105 Resp: 633767
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.0

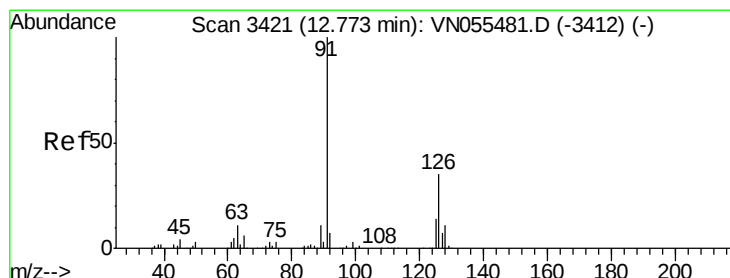
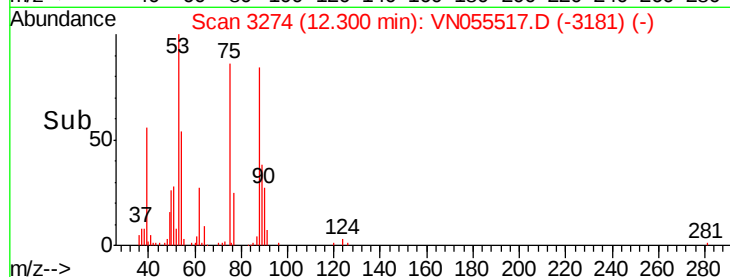
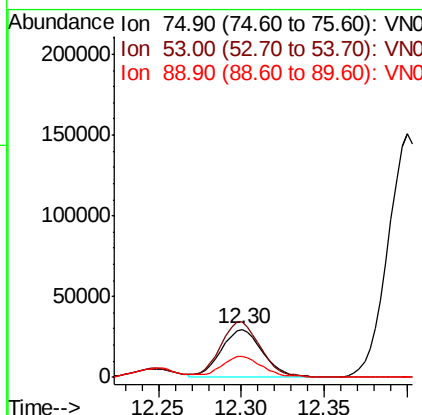
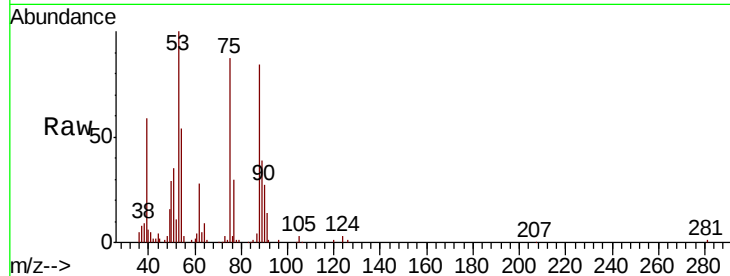




#81
trans-1,4-Dichloro-2-butene
Concen: 17.157 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

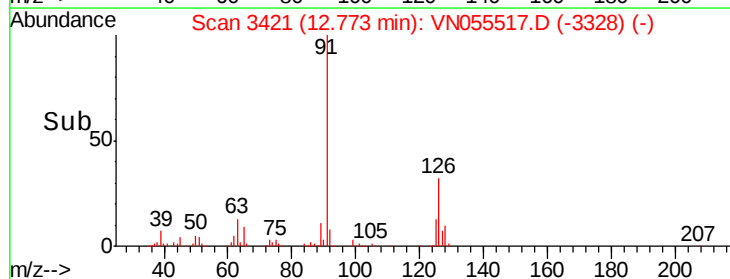
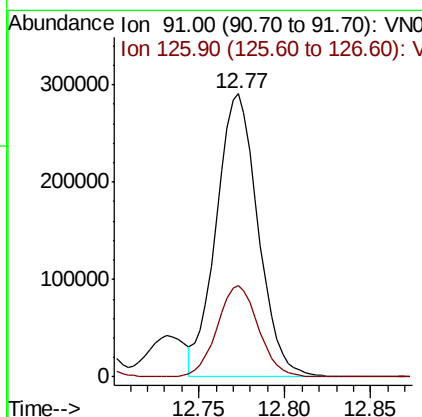
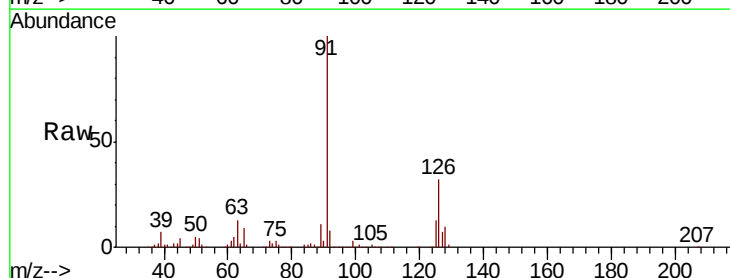
Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

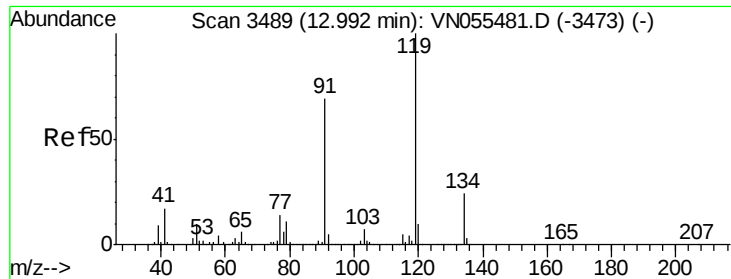
Tot Ion: 75 Resp: 51296
Ion Ratio Lower Upper
75 100
53 114.1 86.5 129.7
89 43.8 35.7 53.5



#82
4-Chlorotoluene
Concen: 19.127 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 91 Resp: 489568
Ion Ratio Lower Upper
91 100
126 32.1 15.7 47.0

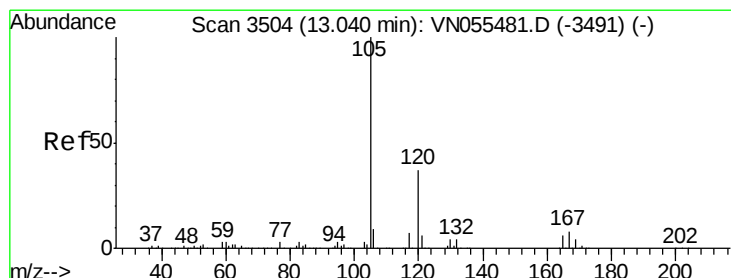
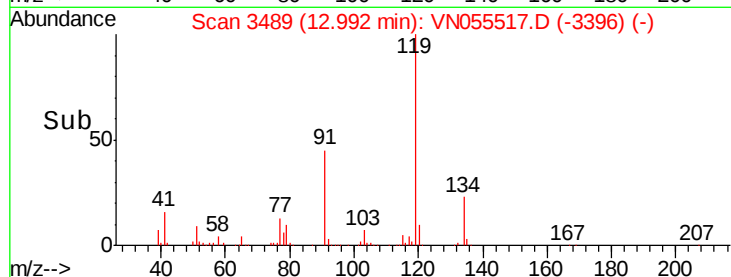
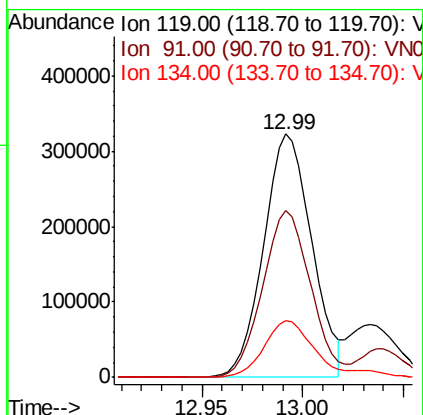
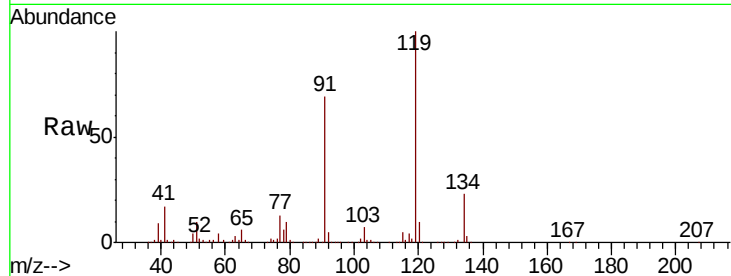




#83
tert-Butylbenzene
Concen: 19.280 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

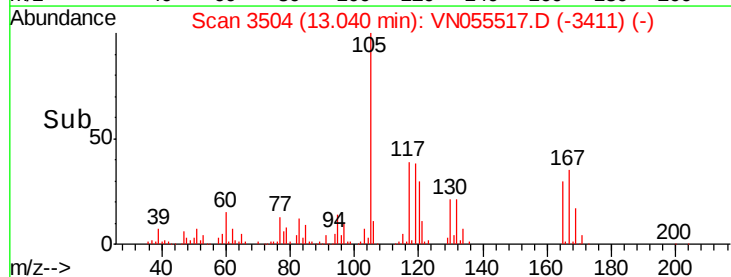
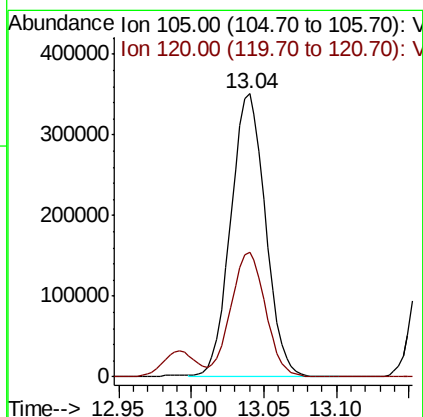
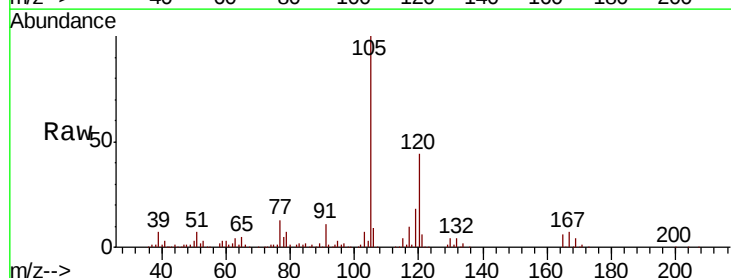
Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

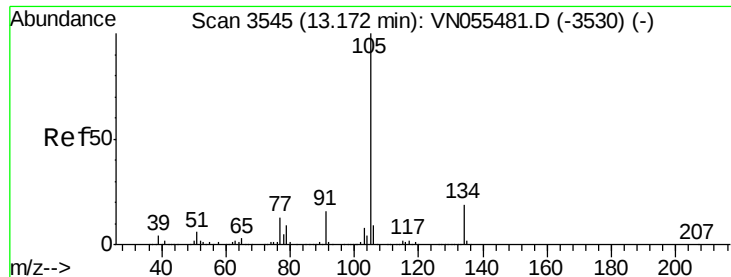
Tot Ion:119 Resp: 535589
Ion Ratio Lower Upper
119 100
91 67.9 33.8 101.3
134 23.7 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 19.609 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion:105 Resp: 582837
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 18.956 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

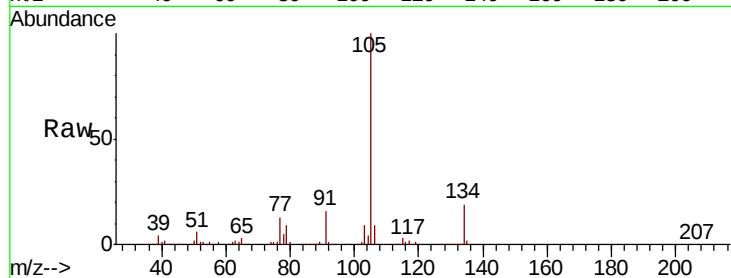
VN0509WBS02

Tot Ion:105 Resp: 699832

Ion Ratio Lower Upper

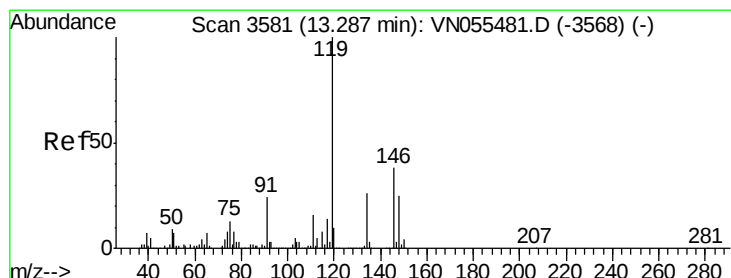
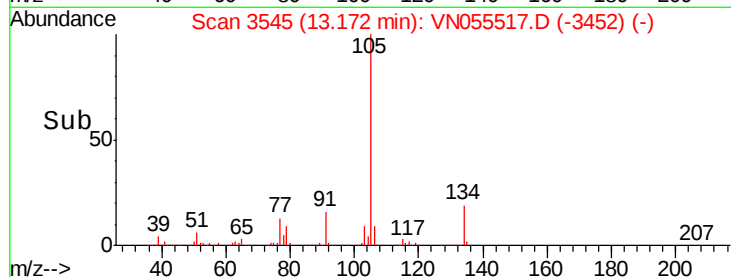
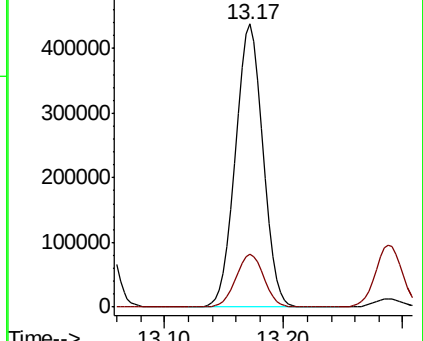
105 100

134 19.0 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: 18.801 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

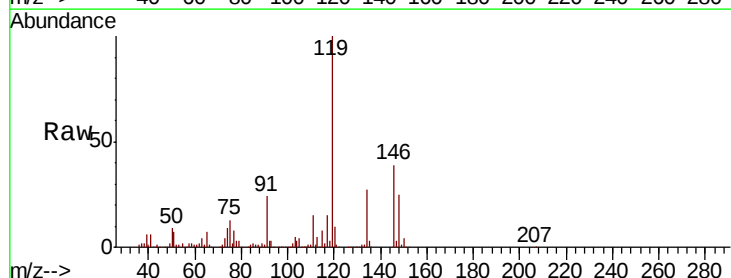
Tgt Ion:119 Resp: 564922

Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.4

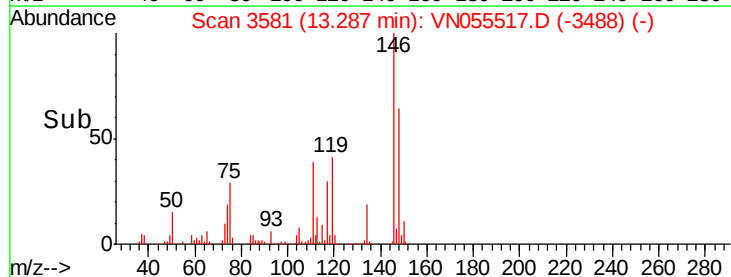
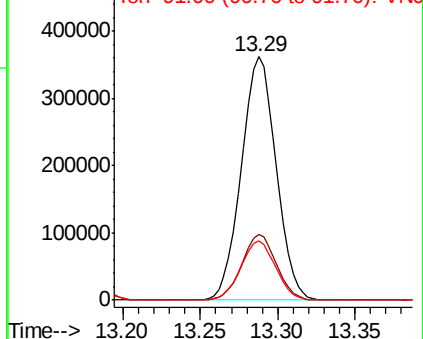
91 24.3 12.0 36.0

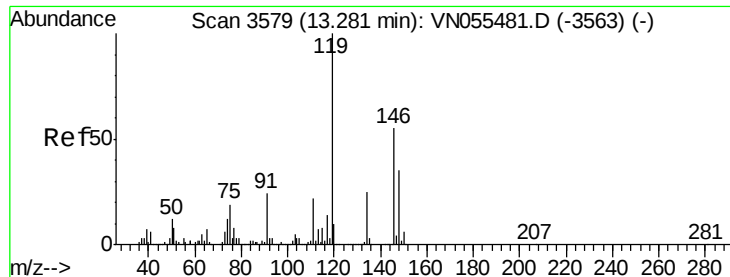


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.703 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

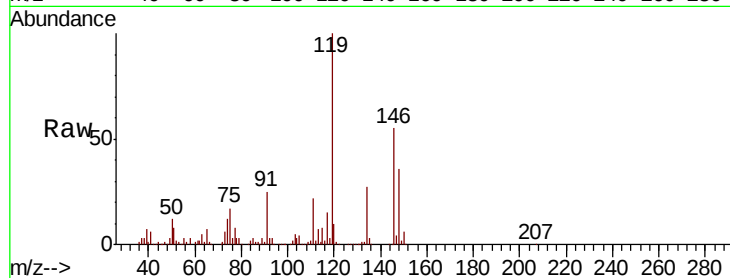
Tot Ion:146 Resp: 271905

Ion Ratio Lower Upper

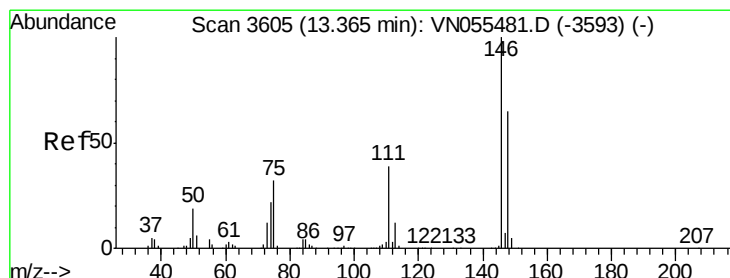
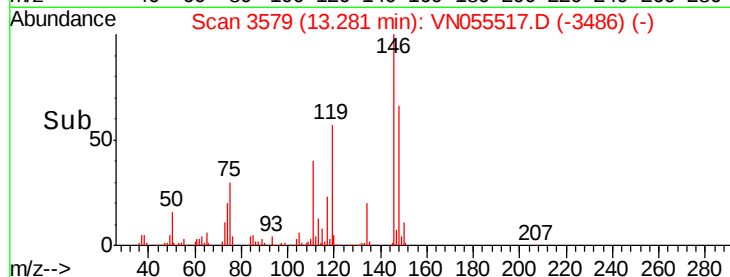
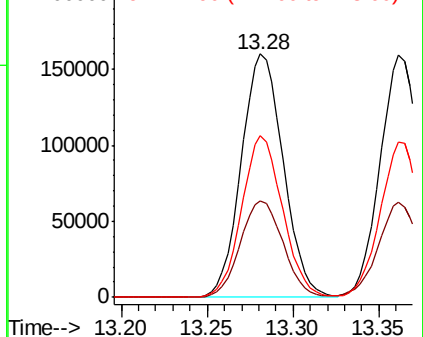
146 100

111 40.2 20.4 61.3

148 64.6 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: 19.416 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

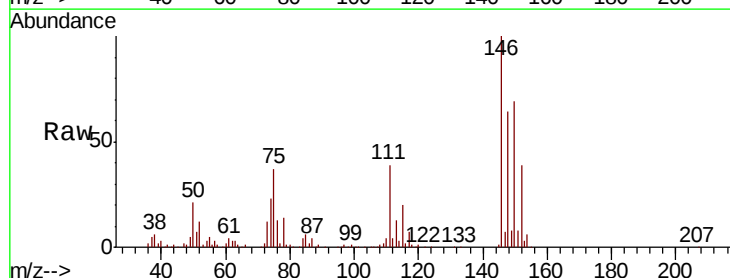
Tgt Ion:146 Resp: 264432

Ion Ratio Lower Upper

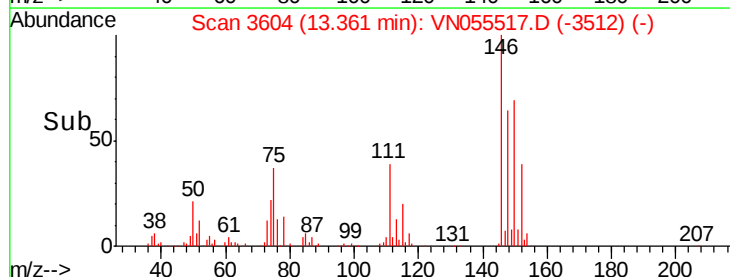
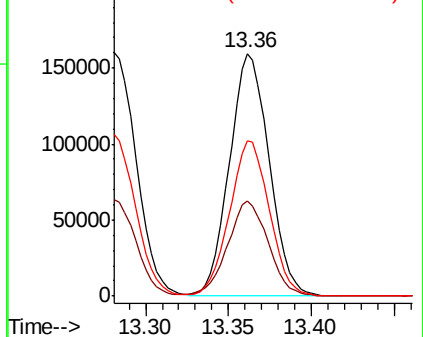
146 100

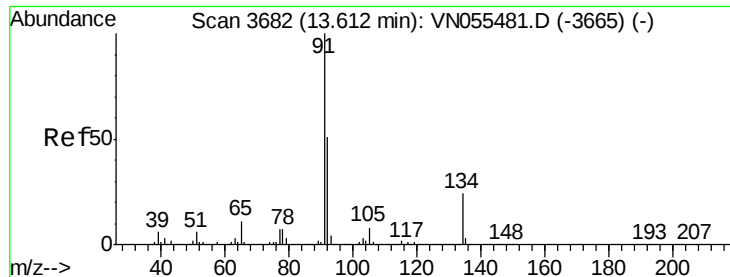
111 40.5 19.6 58.8

148 64.0 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: 17.272 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS02

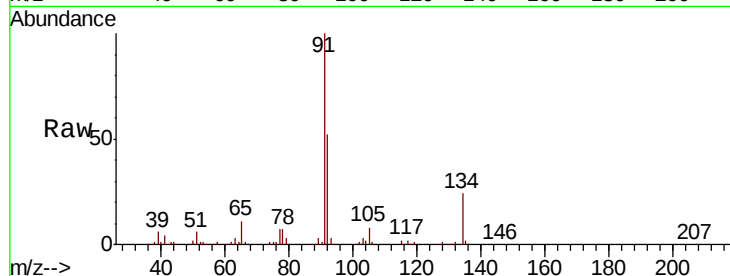
Tot Ion: 91 Resp: 402262

Ion Ratio Lower Upper

91 100

92 51.8 25.9 77.7

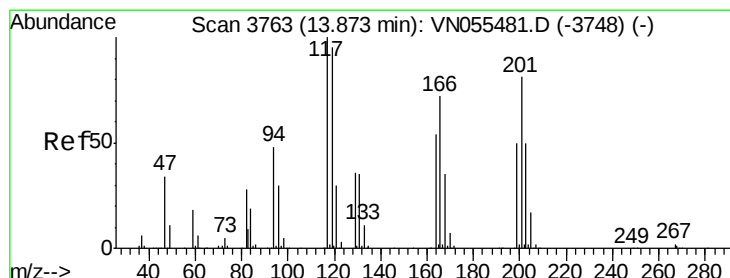
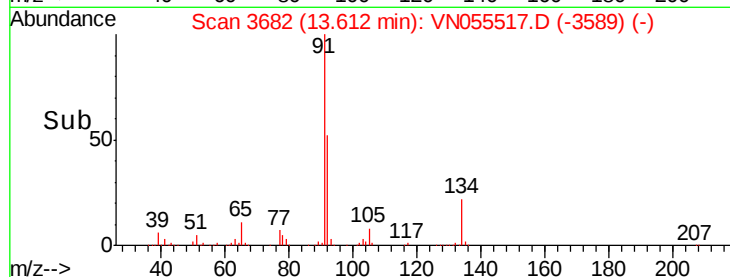
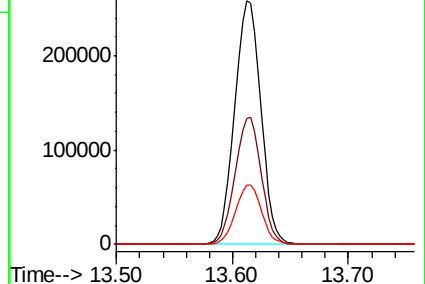
134 24.1 11.8 35.4



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) (-)



#90

Hexachloroethane

Concen: 19.119 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055517.D

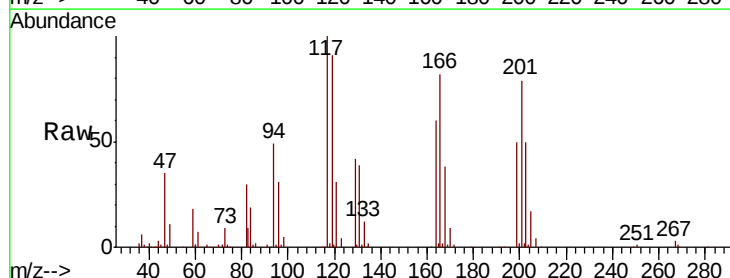
Acq: 10 May 2019 00:24

Tgt Ion: 117 Resp: 93710

Ion Ratio Lower Upper

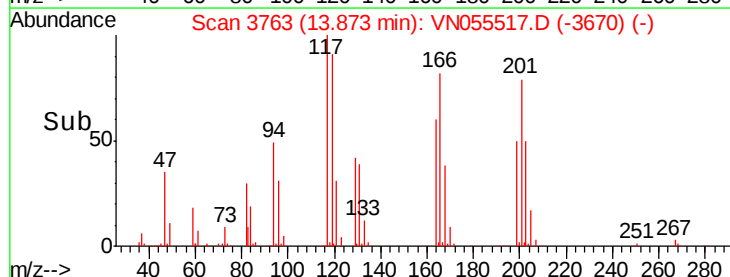
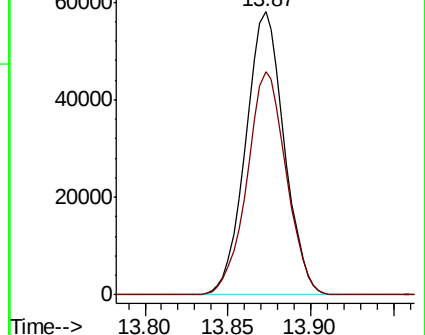
117 100

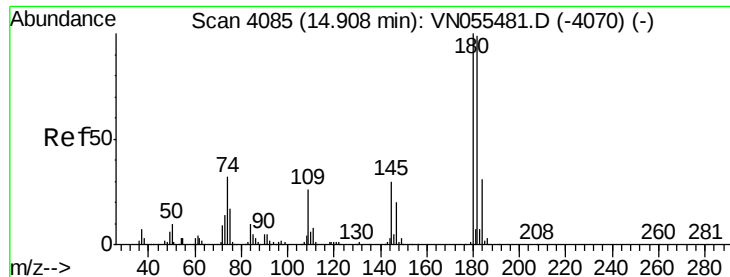
201 80.2 40.1 120.2



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

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

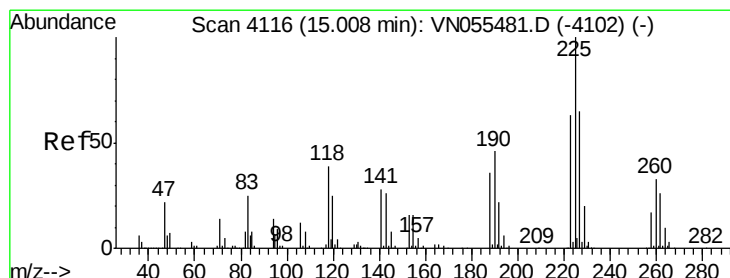
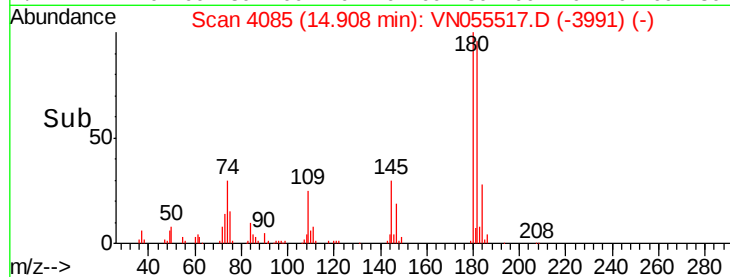
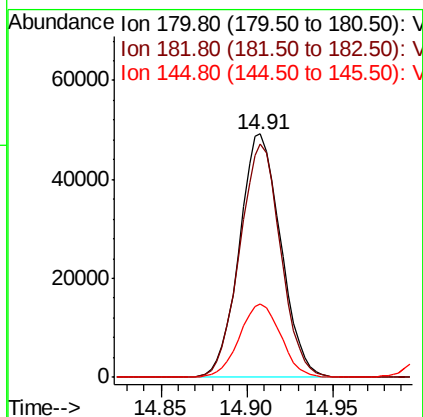
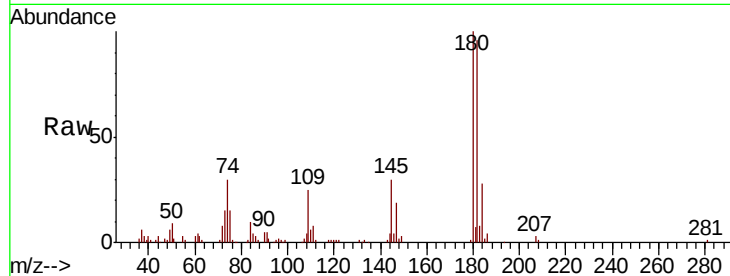




#93
 1,2,4-Trichlorobenzene
 Concen: 15.969 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

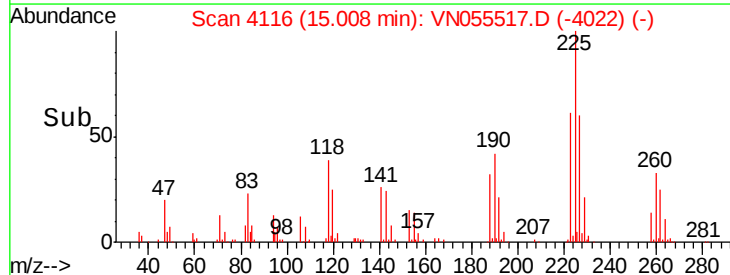
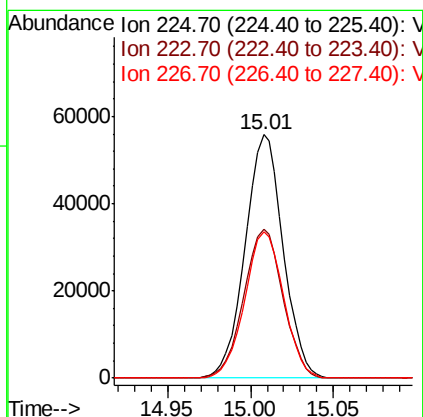
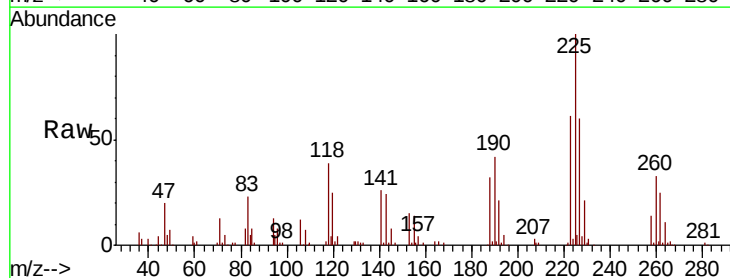
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

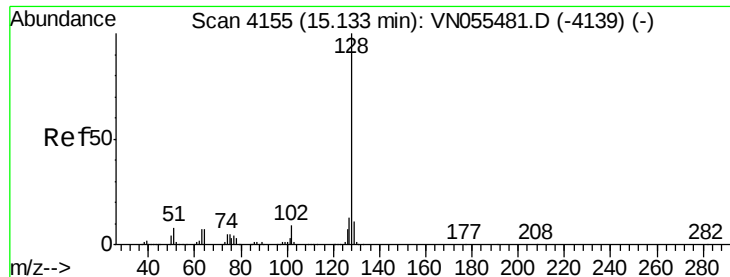
Tot Ion:180 Resp: 81903
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.7 146.1
 145 30.3 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 20.408 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion:225 Resp: 88922
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.4 94.3
 227 61.3 32.0 96.0

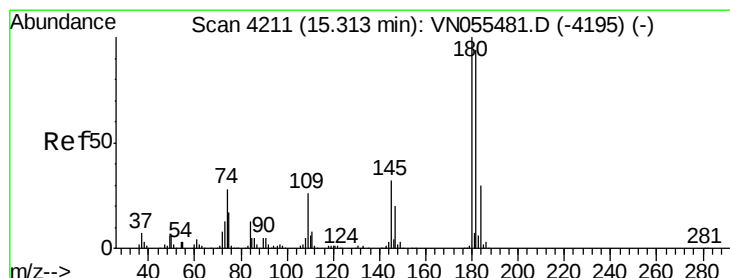
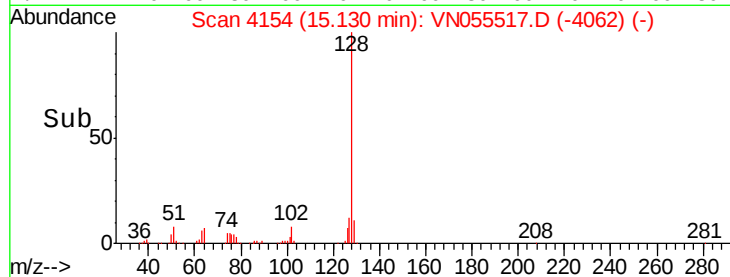
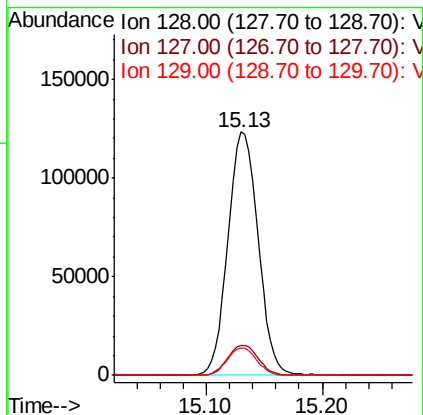
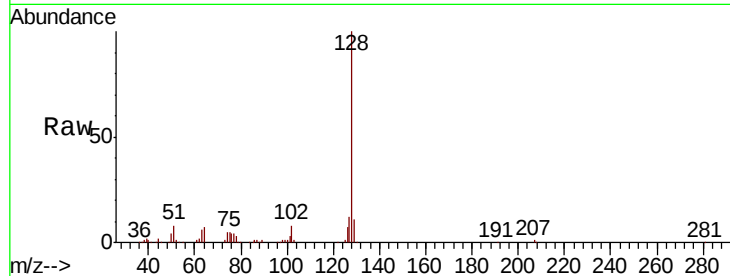




#95
Naphthalene
Concen: 15.302 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion:128 Resp: 221967
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 16.202 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion:180 Resp: 94168
Ion Ratio Lower Upper
180 100
182 95.6 47.1 141.3
145 32.9 15.8 47.4

