

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055497.D
 Acq On : 9 May 2019 15:14
 Operator : JC/SP
 Sample : VN0509MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

Quant Time: May 10 04:12:06 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	703147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1234245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1085780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	418364	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	533366	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	407689	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.09	98	1590055	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.40	95	517168	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	143113	19.991	ug/l	97
3) Chloromethane	2.06	50	235339	20.235	ug/l	99
4) Vinyl Chloride	2.19	62	222105	20.231	ug/l	96
5) Bromomethane	2.54	94	128804	21.413	ug/l	97
6) Chloroethane	2.70	64	135518	21.192	ug/l	96
7) Trichlorofluoromethane	3.01	101	247537	20.553	ug/l	96
8) Diethyl Ether	3.41	74	111556	20.624	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154436	20.154	ug/l	99
10) Methyl Iodide	3.95	142	216271	20.882	ug/l	100
11) Tert butyl alcohol	4.81	59	144054	92.154	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	157117	20.445	ug/l	100
13) Acrolein	3.61	56	105218	100.995	ug/l	100
14) Allyl chloride	4.32	41	309593	19.666	ug/l	99
15) Acrylonitrile	4.99	53	489581	101.145	ug/l	99
16) Acetone	3.82	43	418475	85.366	ug/l	98
17) Carbon Disulfide	4.05	76	400286	19.084	ug/l	99
18) Methyl Acetate	4.33	43	209462	19.691	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	519952	20.362	ug/l	98
20) Methylene Chloride	4.55	84	195833	19.536	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	172931	20.755	ug/l	94
22) Diisopropyl ether	5.96	45	668718	20.904	ug/l	98
23) Vinyl Acetate	5.90	43	2491334	100.701	ug/l	100
24) 1,1-Dichloroethane	5.85	63	354865	20.549	ug/l	99
25) 2-Butanone	6.84	43	657775	97.136	ug/l	100
26) 2,2-Dichloropropane	6.83	77	201332	18.702	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	199918	20.761	ug/l	100
28) Bromochloromethane	7.20	49	193534	21.580	ug/l	98
29) Tetrahydrofuran	7.22	42	447216	99.900	ug/l	99
30) Chloroform	7.37	83	327451	20.511	ug/l	99
31) Cyclohexane	7.65	56	341251	19.972	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	247723	20.377	ug/l	99
36) 1,1-Dichloropropene	7.79	75	255664	21.026	ug/l	99
37) Ethyl Acetate	6.94	43	269503	20.318	ug/l	99
38) Carbon Tetrachloride	7.77	117	201782	19.708	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	289399	19.520	ug/l	98
40) Benzene	8.04	78	785424	20.813	ug/l	100
41) Methacrylonitrile	7.22	41	393408	63.903	ug/l #	21
42) 1,2-Dichloroethane	8.13	62	267899	20.206	ug/l	99
43) Isopropyl Acetate	8.17	43	391735	19.440	ug/l	99
44) Trichloroethene	8.83	130	183653	20.453	ug/l	97
45) 1,2-Dichloropropane	9.12	63	223211	20.672	ug/l	99
46) Dibromomethane	9.21	93	126865	20.270	ug/l	98
47) Bromodichloromethane	9.40	83	239707	20.020	ug/l	99
48) Methyl methacrylate	9.20	41	184555	19.009	ug/l	99
49) 1,4-Dioxane	9.20	88	71749	379.161	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1284456	96.917	ug/l	100
52) Toluene	10.16	92	447058	20.722	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	223127	19.403	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	272893	19.859	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	180102	20.604	ug/l	99
56) Ethyl methacrylate	10.43	69	250859	19.294	ug/l	100
57) 1,3-Dichloropropane	10.71	76	325165	20.953	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	294892	76.514	ug/l	99
59) 2-Hexanone	10.75	43	878303	94.498	ug/l	100
60) Dibromochloromethane	10.90	129	155844	19.609	ug/l	99
61) 1,2-Dibromoethane	11.01	107	170365	20.285	ug/l	99
64) Tetrachloroethene	10.63	164	183642	20.641	ug/l	99
65) Chlorobenzene	11.43	112	453547	20.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	151207	19.662	ug/l	98
67) Ethyl Benzene	11.51	91	826626	19.703	ug/l	99
68) m/p-Xylenes	11.62	106	609124	40.456	ug/l	99
69) o-Xylene	11.95	106	299319	20.226	ug/l	99
70) Styrene	11.96	104	486978	20.540	ug/l	99
71) Bromoform	12.13	173	96998	18.691	ug/l #	99
73) Isopropylbenzene	12.25	105	791781	21.526	ug/l	100
74) N-amyl acetate	12.07	43	294768	18.558	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	245823	20.473	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	295257	25.924	ug/l #	100
77) Bromobenzene	12.53	156	181586	19.695	ug/l	96
78) n-propylbenzene	12.59	91	888334	19.797	ug/l	100
79) 2-Chlorotoluene	12.67	91	549804	19.661	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	661110	19.759	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53095	17.202	ug/l	90
82) 4-Chlorotoluene	12.77	91	513533	19.434	ug/l	99
83) tert-Butylbenzene	12.99	119	566031	19.737	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	604341	19.694	ug/l	100
85) sec-Butylbenzene	13.17	105	745153	19.550	ug/l	99
86) p-Isopropyltoluene	13.29	119	609214	19.640	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	286471	20.108	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	275436	19.590	ug/l	99
89) n-Butylbenzene	13.61	91	445836	18.542	ug/l	100
90) Hexachloroethane	13.87	117	91245	18.032	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	285987	20.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34079	17.714	ug/l	99

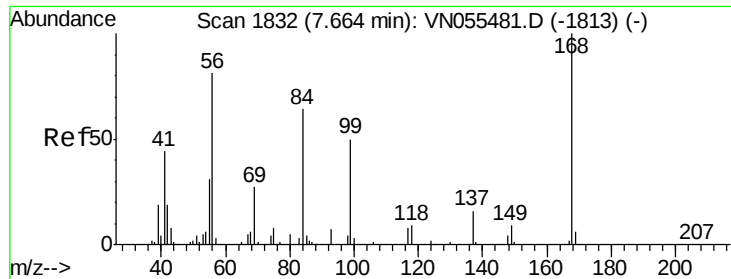
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050919\
Data File : VN055497.D
Acq On : 9 May 2019 15:14
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Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	90302	16.837	ug/l	98
94) Hexachlorobutadiene	15.01	225	94391	21.053	ug/l	98
95) Naphthalene	15.13	128	246476	16.237	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	100462	16.662	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

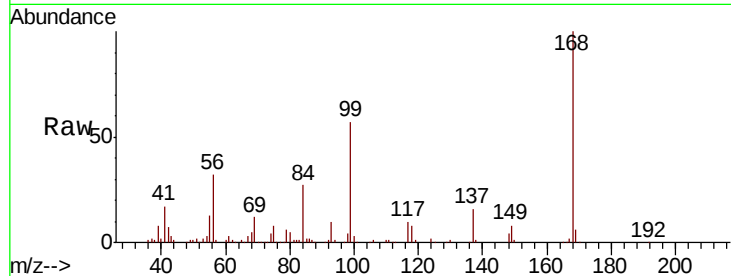
VN0509MBSD01

Tot Ion:168 Resp: 703147

Ion Ratio Lower Upper

168 100

99 56.6 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

200000

100000

0

7.60 7.70 7.80

Abundance

Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

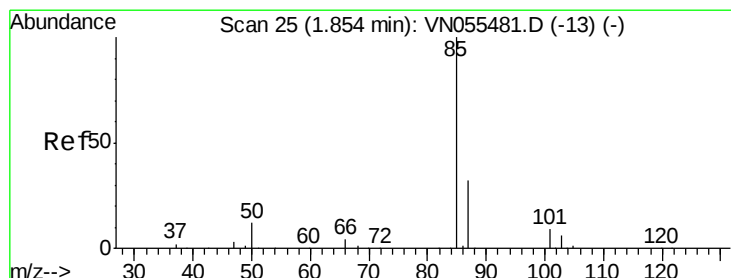
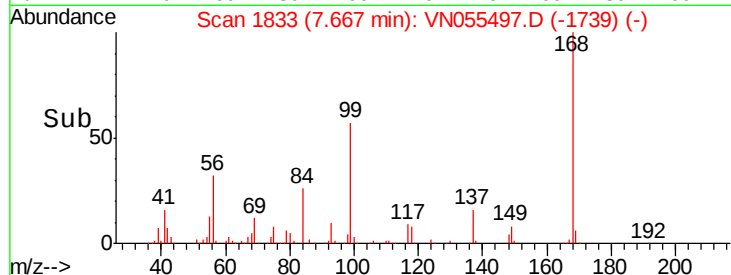
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.991 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055497.D

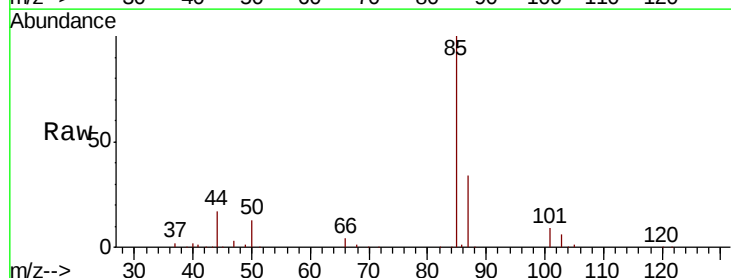
Acq: 9 May 2019 15:14

Tgt Ion: 85 Resp: 143113

Ion Ratio Lower Upper

85 100

87 33.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

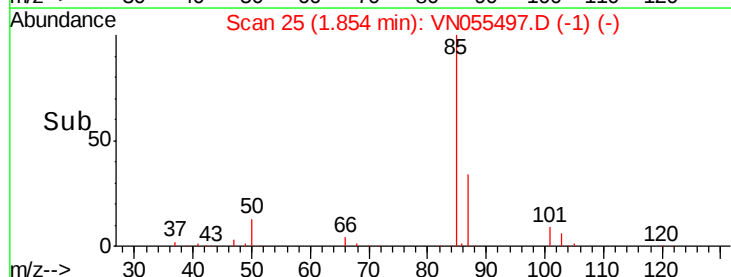
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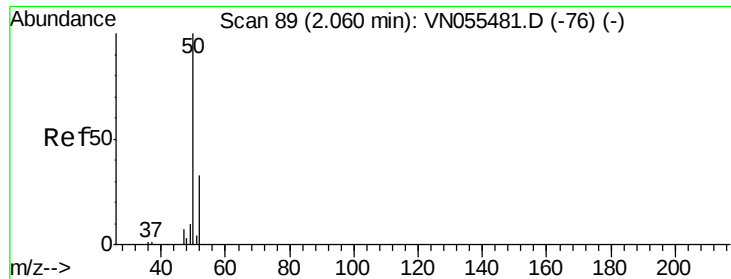
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.235 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

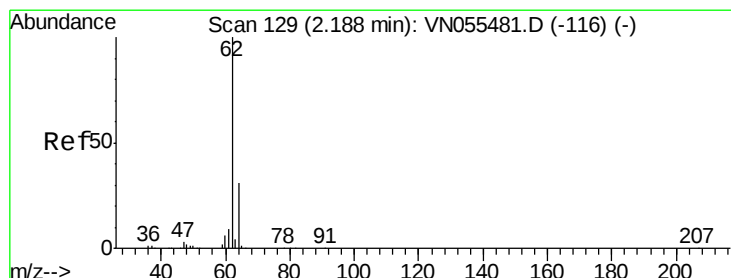
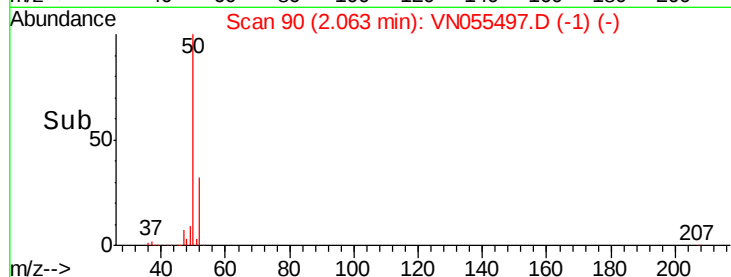
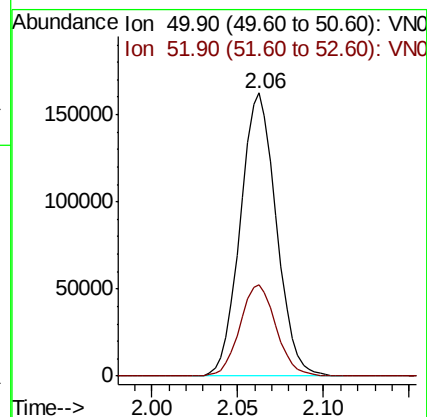
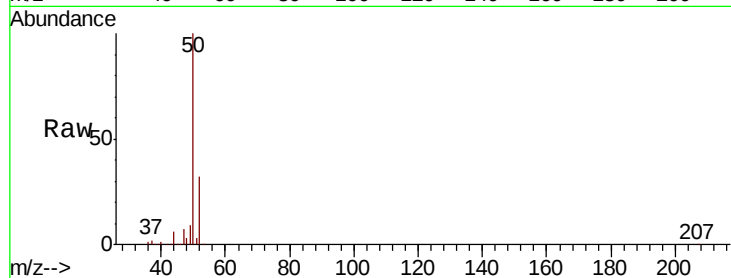
VN0509MBSD01

Tot Ion: 50 Resp: 235339

Ion Ratio Lower Upper

50 100

52 32.4 26.6 39.8



#4

Vinyl Chloride

Concen: 20.231 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055497.D

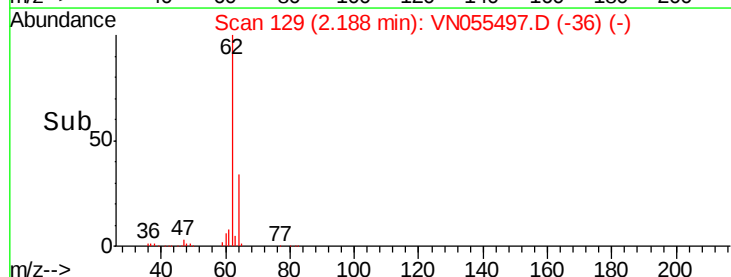
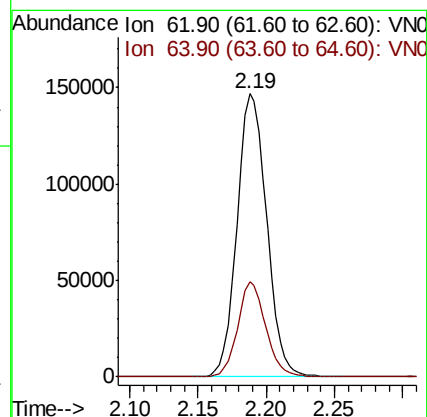
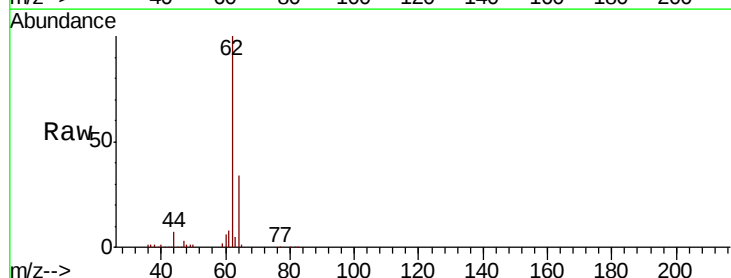
Acq: 9 May 2019 15:14

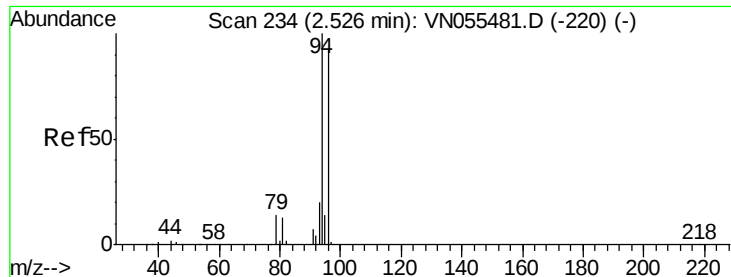
Tgt Ion: 62 Resp: 222105

Ion Ratio Lower Upper

62 100

64 33.5 25.0 37.6





#5

Bromomethane

Concen: 21.413 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

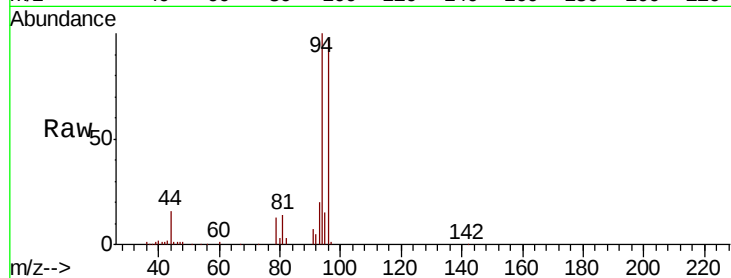
VN0509MBSD01

Tot Ion: 94 Resp: 128804

Ion Ratio Lower Upper

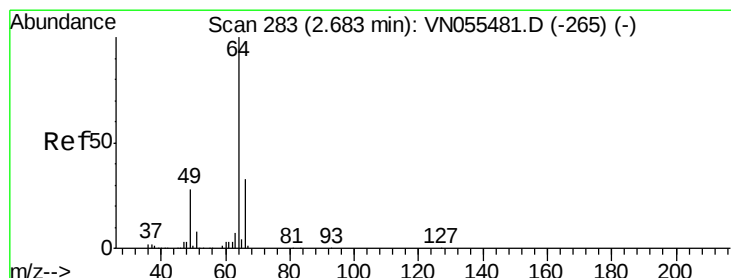
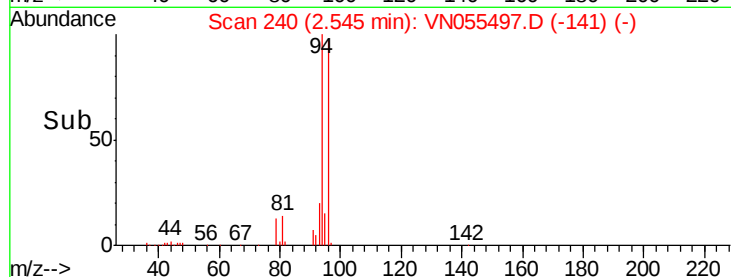
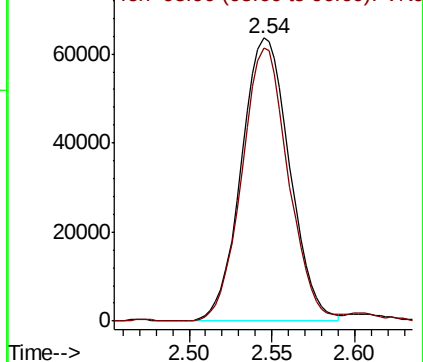
94 100

96 96.6 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: 21.192 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN055497.D

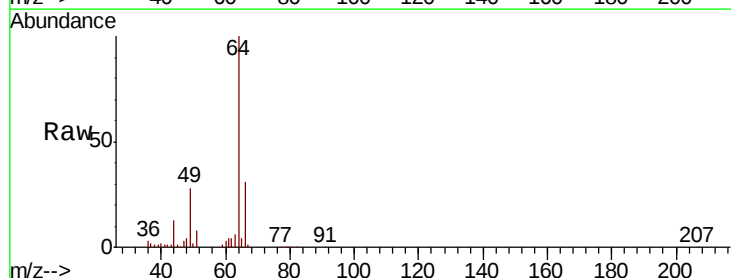
Acq: 9 May 2019 15:14

Tgt Ion: 64 Resp: 135518

Ion Ratio Lower Upper

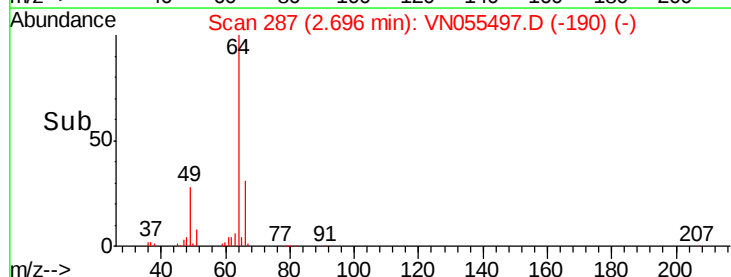
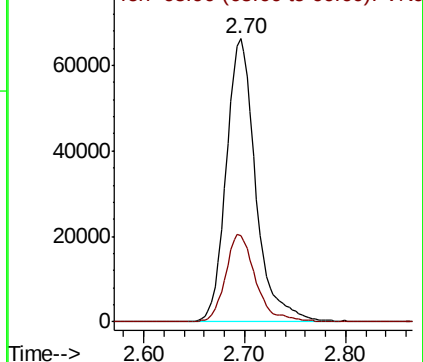
64 100

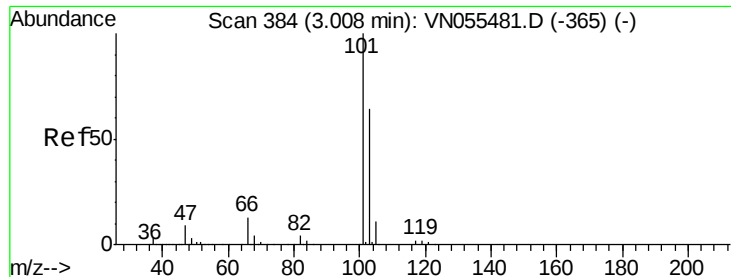
66 30.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



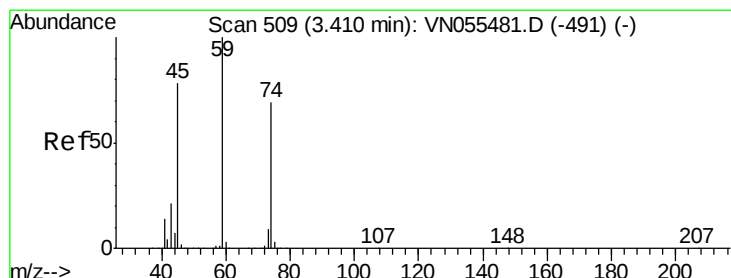
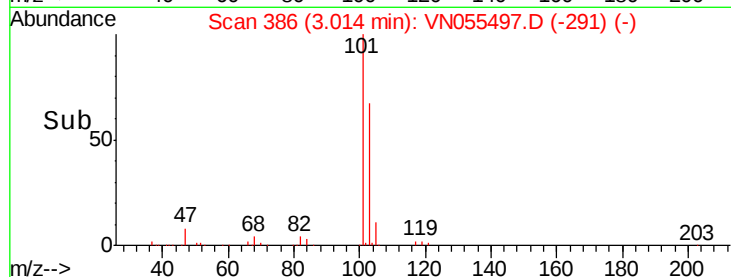
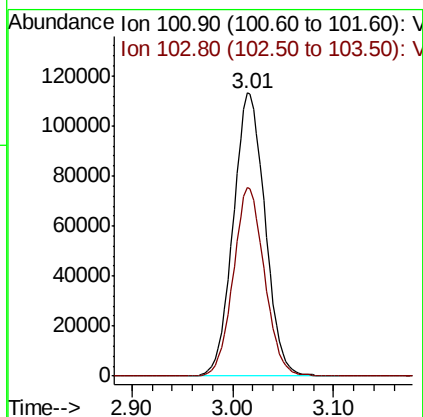
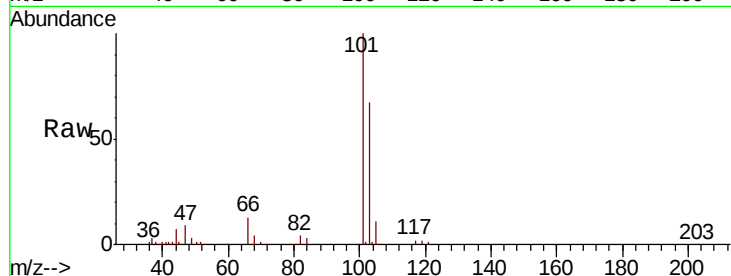


#7

Trichlorofluoromethane
 Concen: 20.553 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Instrument :
 MSVOA_N
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 VN0509MBSD01

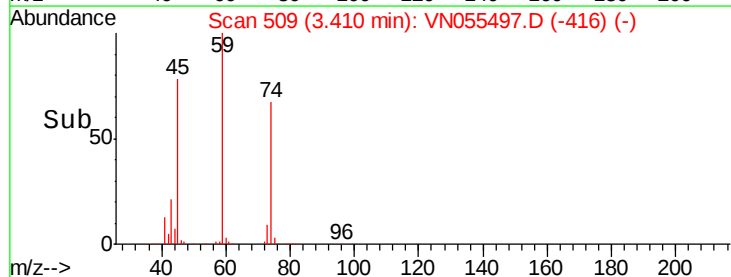
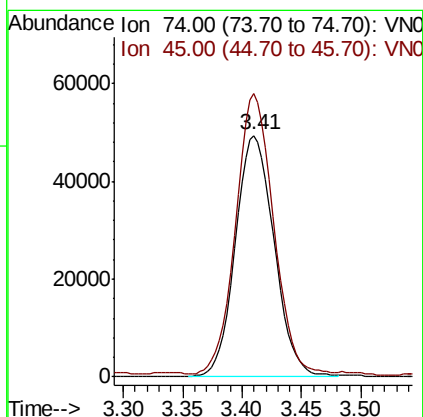
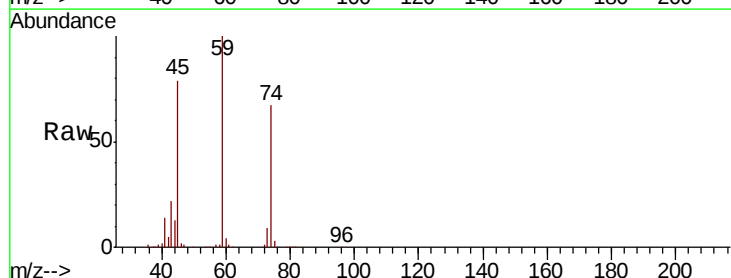
Tot Ion:101 Resp: 247537
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.2 76.8

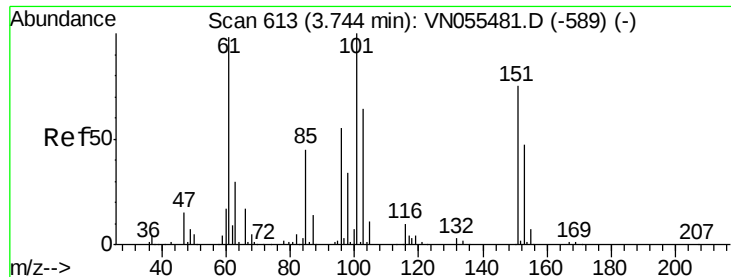


#8

Diethyl Ether
 Concen: 20.624 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion: 74 Resp: 111556
 Ion Ratio Lower Upper
 74 100
 45 112.6 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.154 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

VN0509MBSD01

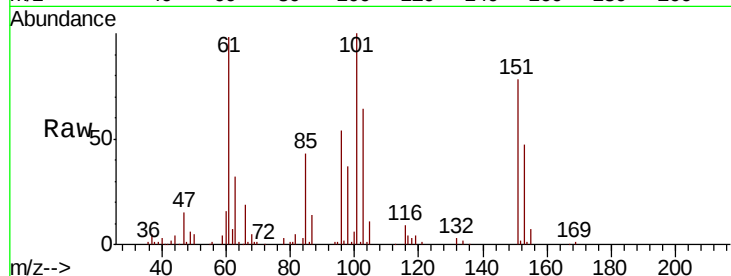
Tot Ion:101 Resp: 154436

Ion Ratio Lower Upper

101 100

85 44.6 35.5 53.3

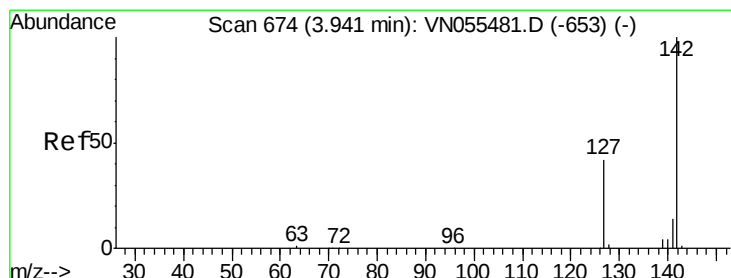
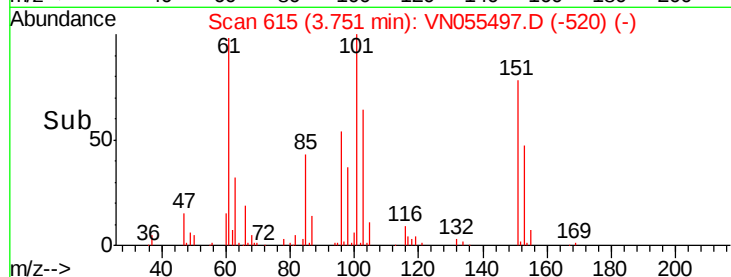
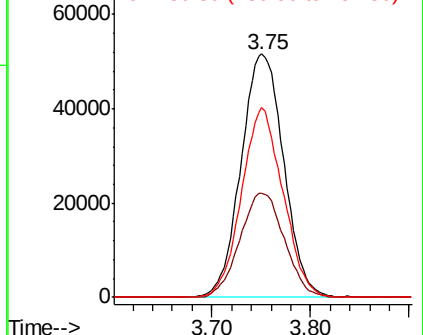
151 75.5 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.882 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

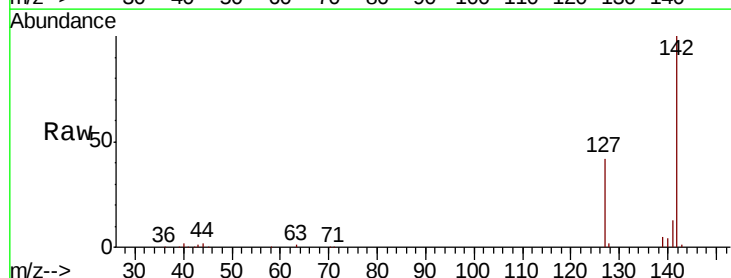
Tgt Ion:142 Resp: 216271

Ion Ratio Lower Upper

142 100

127 41.5 33.0 49.4

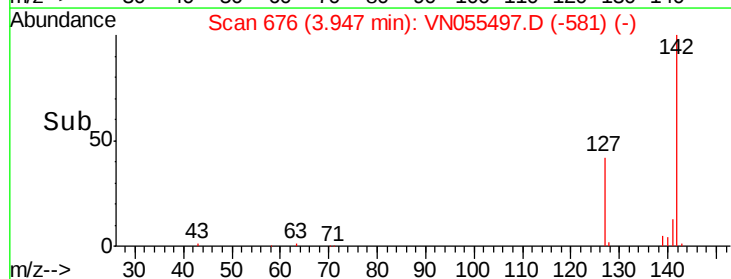
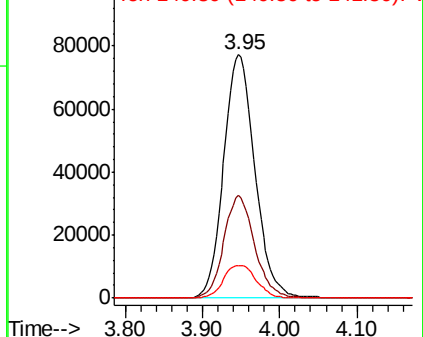
141 14.2 11.4 17.0

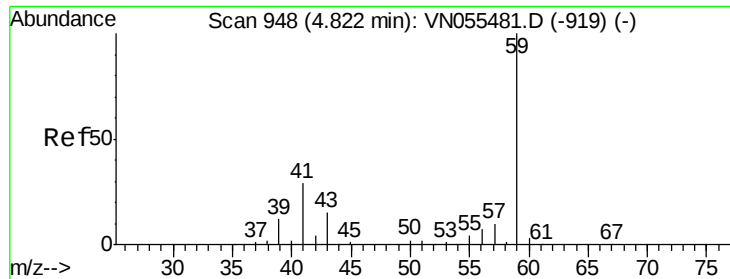


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

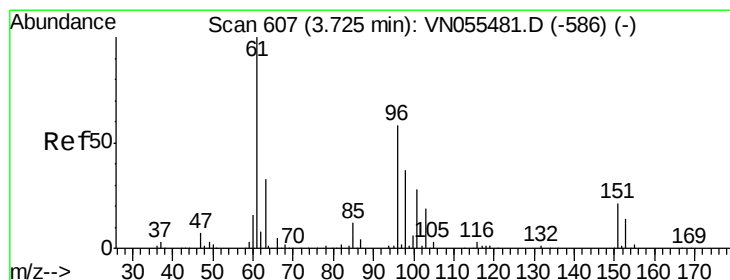
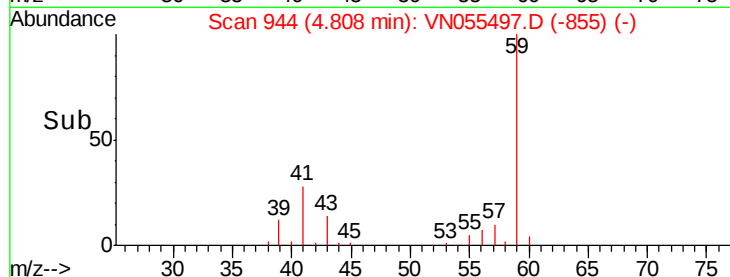
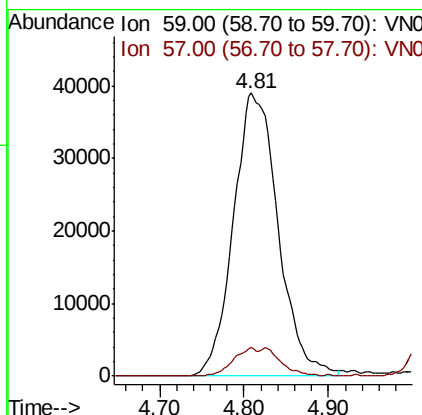
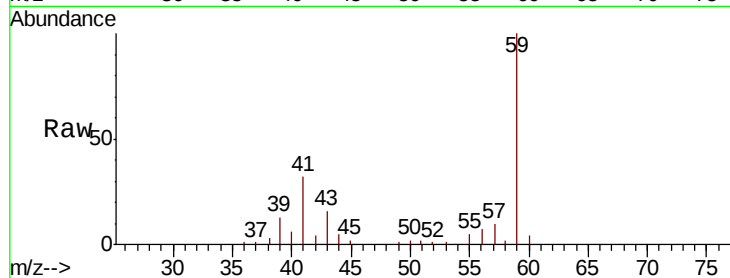




#11
Tert butyl alcohol
Concen: 92.154 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

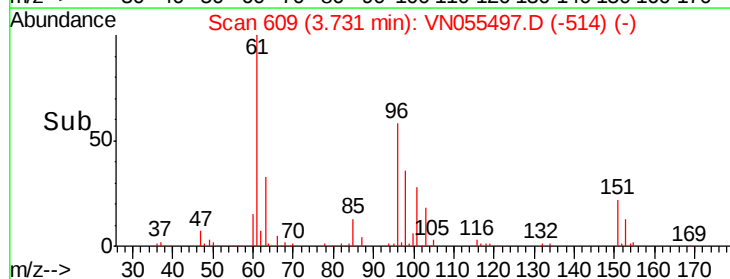
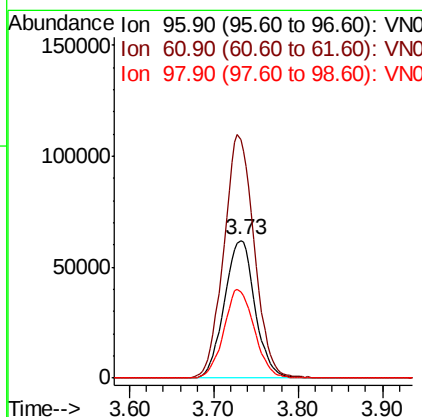
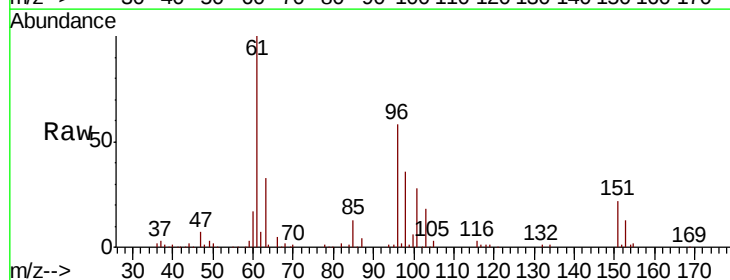
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

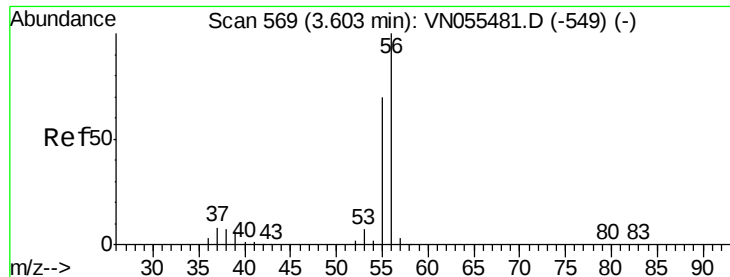
Tot Ion: 59 Resp: 144054
Ion Ratio Lower Upper
59 100
57 5.6 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 20.445 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 96 Resp: 157117
Ion Ratio Lower Upper
96 100
61 172.9 138.7 208.1
98 62.9 50.6 76.0





#13

Acrolein

Concen: 100.995 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

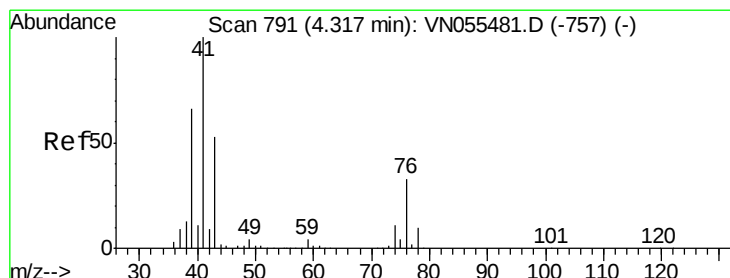
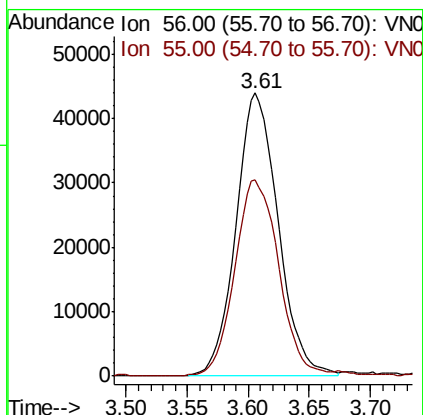
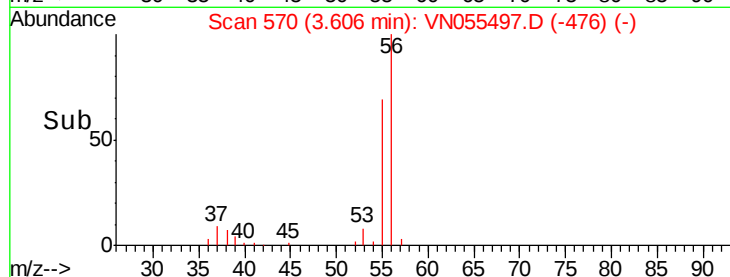
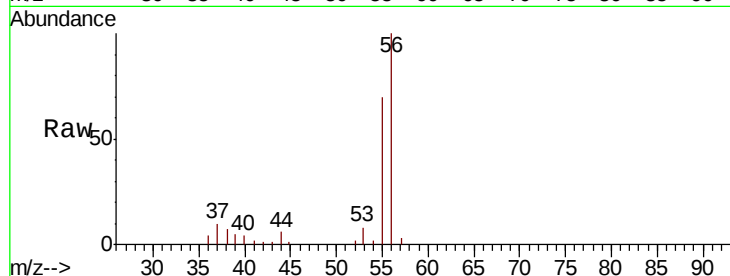
VN0509MBSD01

Tot Ion: 56 Resp: 105218

Ion Ratio Lower Upper

56 100

55 72.2 57.7 86.5



#14

Allyl chloride

Concen: 19.666 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

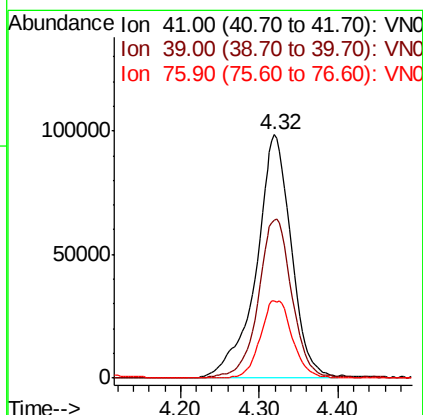
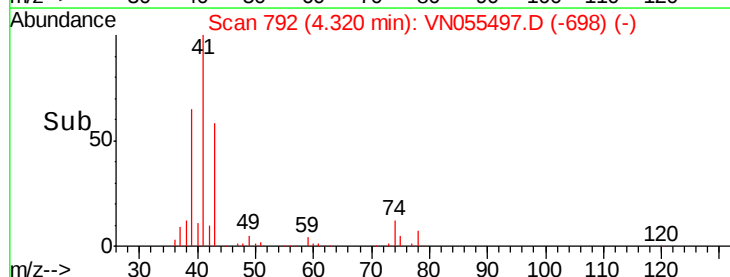
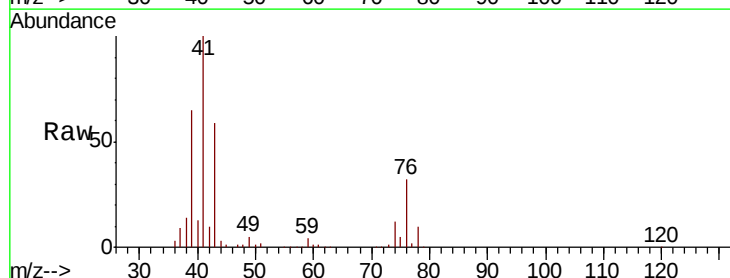
Tgt Ion: 41 Resp: 309593

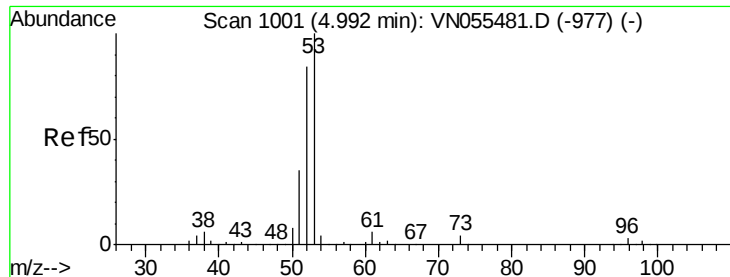
Ion Ratio Lower Upper

41 100

39 62.8 49.8 74.8

76 29.0 23.5 35.3





#15

Acrylonitrile

Concen: 101.145 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

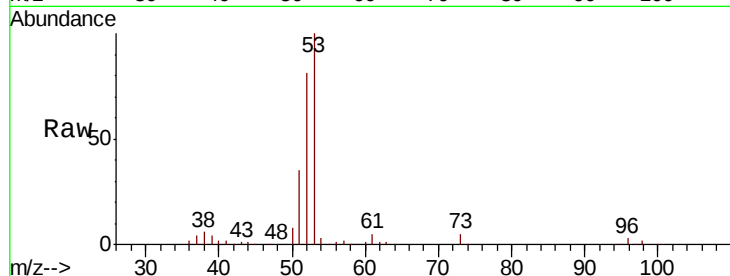
Tot Ion: 53 Resp: 489581

Ion Ratio Lower Upper

53 100

52 82.1 66.1 99.1

51 35.7 28.3 42.5

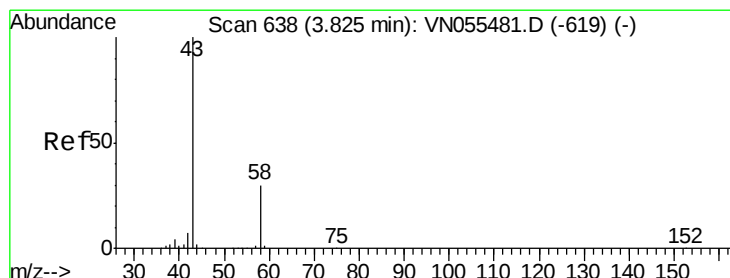
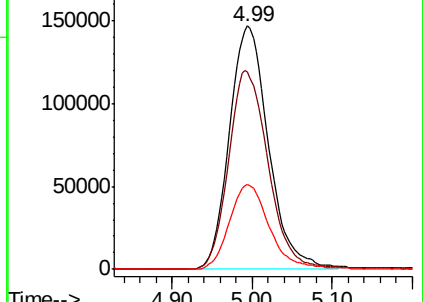
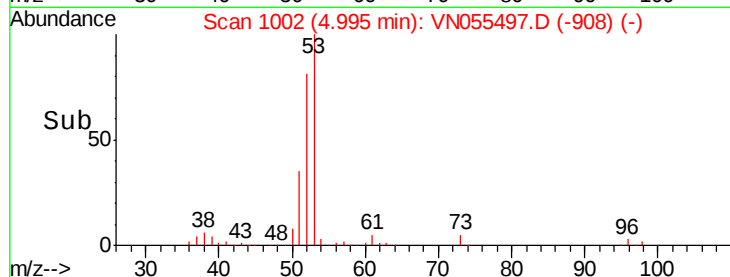


Abundance Ion 53.00 (52.70 to 53.70): VN055481.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN055481.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN055481.D (-977) (-)

4.99



#16

Acetone

Concen: 85.366 ug/l

RT: 3.82 min Scan# 638

Delta R.T. -0.00 min

Lab File: VN055497.D

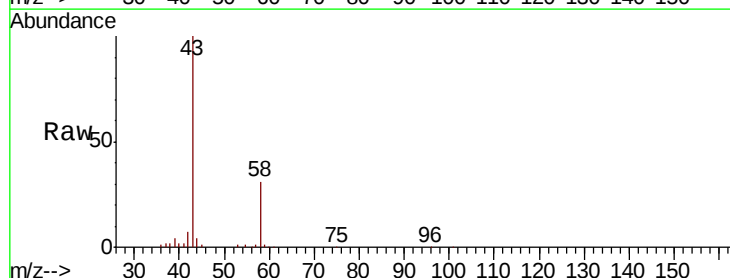
Acq: 9 May 2019 15:14

Tgt Ion: 43 Resp: 418475

Ion Ratio Lower Upper

43 100

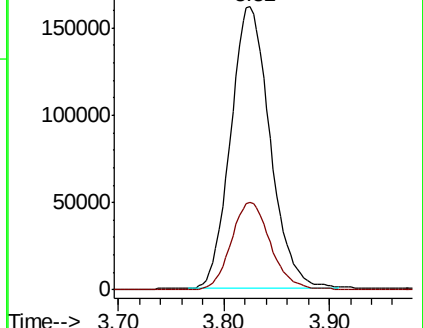
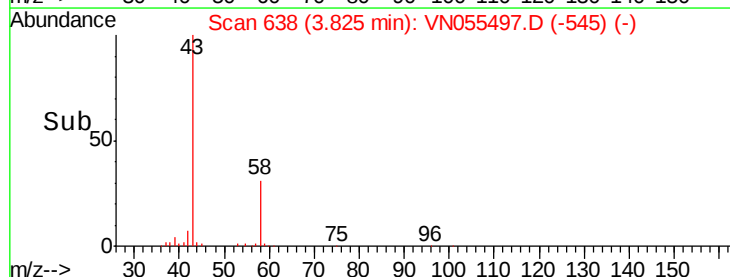
58 31.1 24.2 36.2

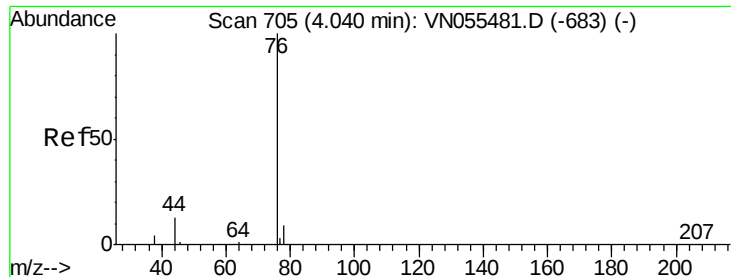


Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-619) (-)

3.82





#17

Carbon Disulfide

Concen: 19.084 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

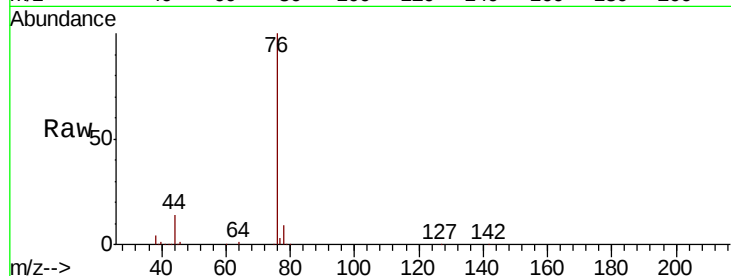
VN0509MBSD01

Tot Ion: 76 Resp: 400286

Ion Ratio Lower Upper

76 100

78 8.9 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

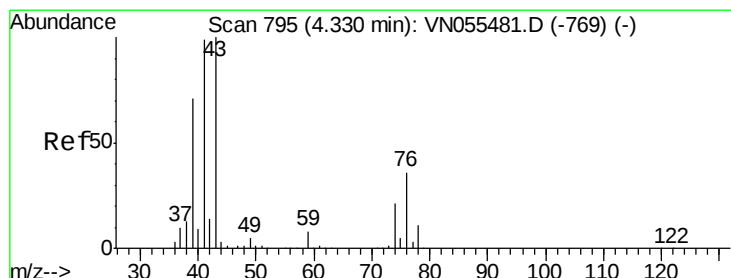
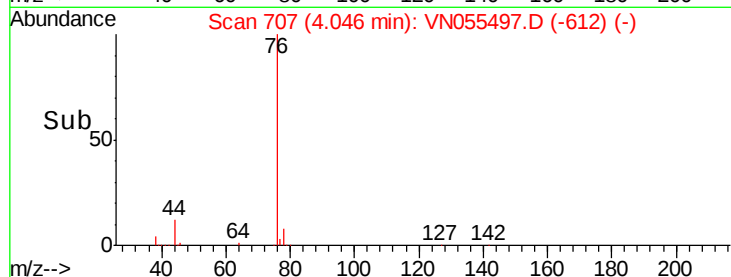
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 19.691 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055497.D

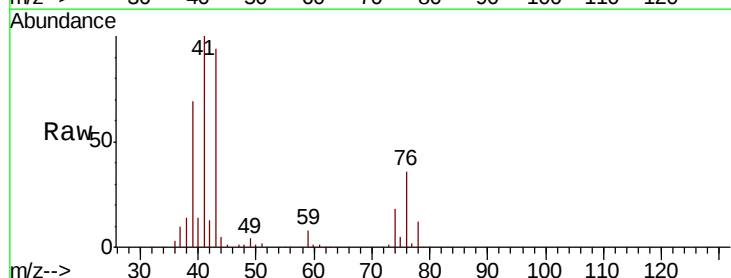
Acq: 9 May 2019 15:14

Tgt Ion: 43 Resp: 209462

Ion Ratio Lower Upper

43 100

74 20.3 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

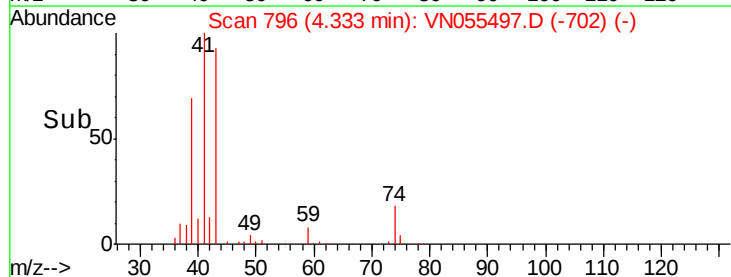
60000

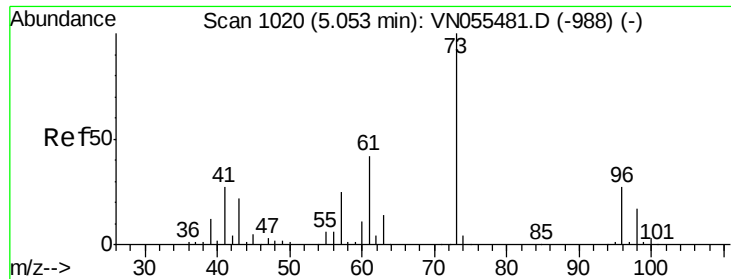
40000

20000

0

Time--> 4.20 4.30 4.40

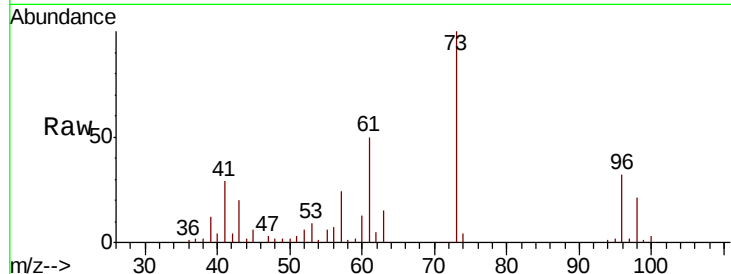




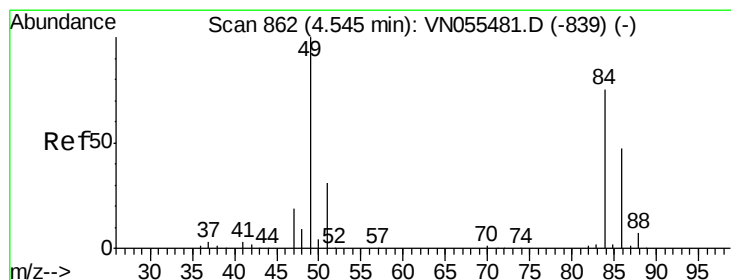
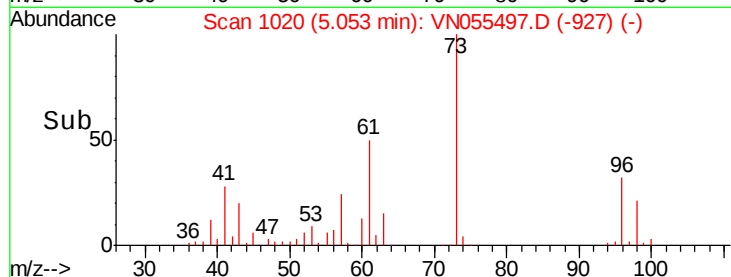
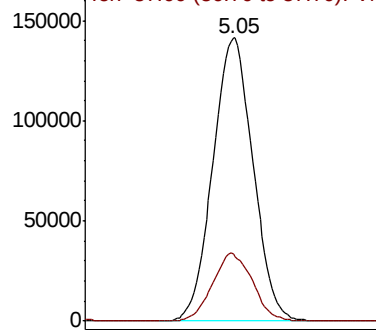
#19
Methvl tert-butvl Ether
Concen: 20.362 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion: 73 Resp: 519952
Ion Ratio Lower Upper
73 100
57 23.8 20.0 30.0

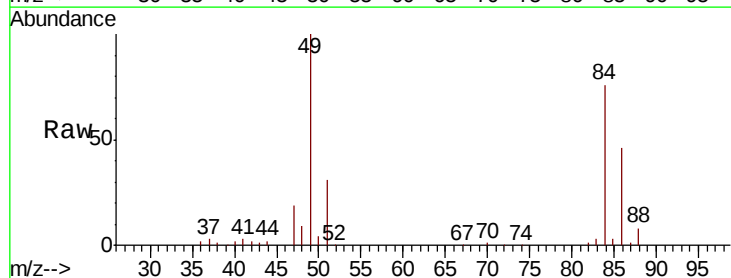


Abundance Ion 73.00 (72.70 to 73.70): VNC
Ion 57.00 (56.70 to 57.70): VNC

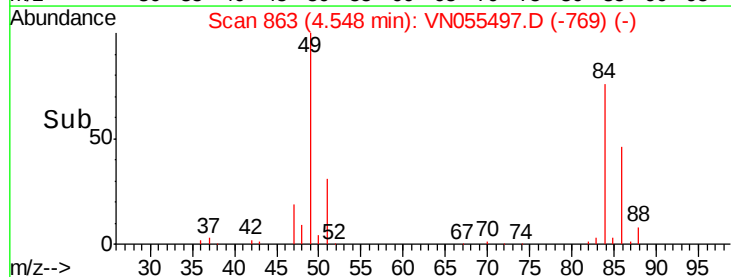
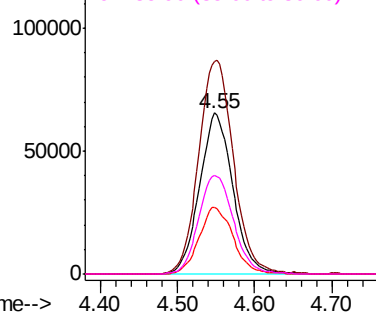


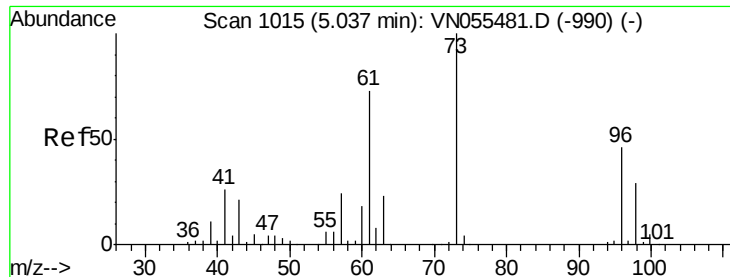
#20
Methylene Chloride
Concen: 19.536 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 84 Resp: 195833
Ion Ratio Lower Upper
84 100
49 132.0 107.0 160.6
51 41.5 33.0 49.4
86 60.9 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

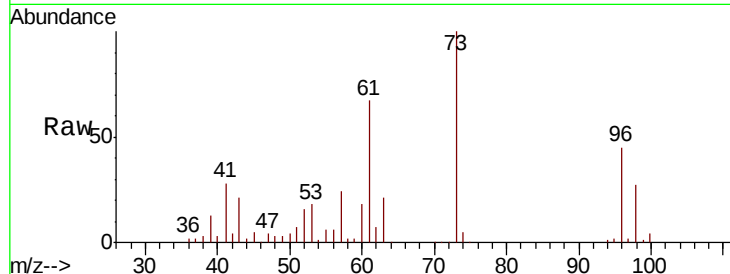




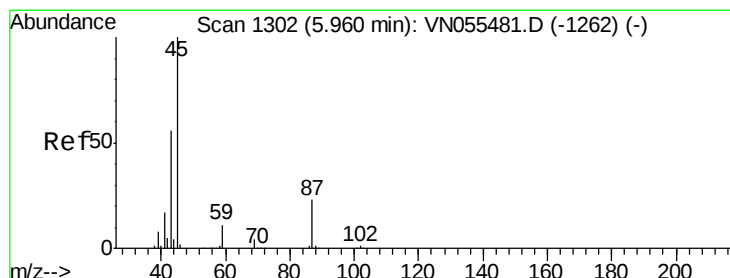
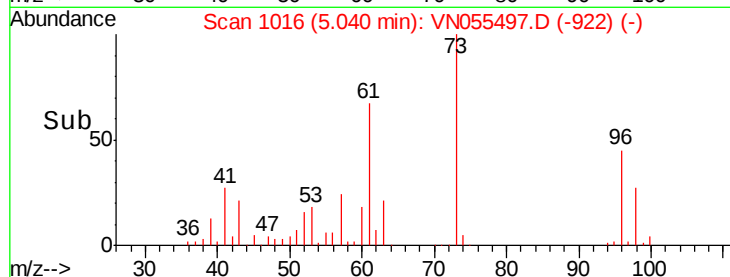
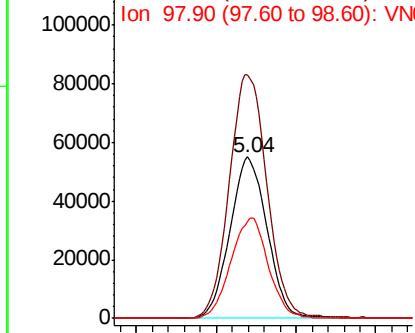
#21
trans-1,2-Dichloroethene
Concen: 20.755 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion: 96 Resp: 172931
Ion Ratio Lower Upper
96 100
61 150.5 127.4 191.0
98 59.7 51.6 77.4

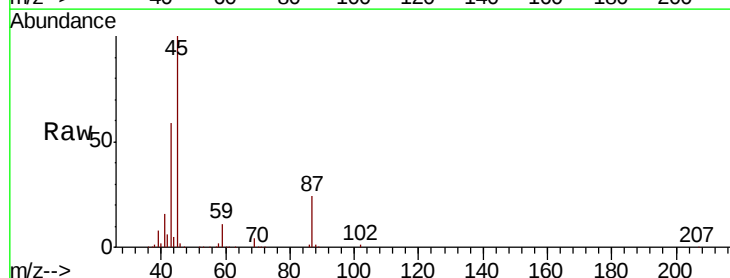


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

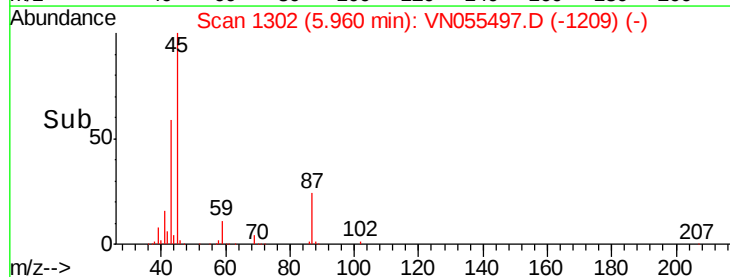
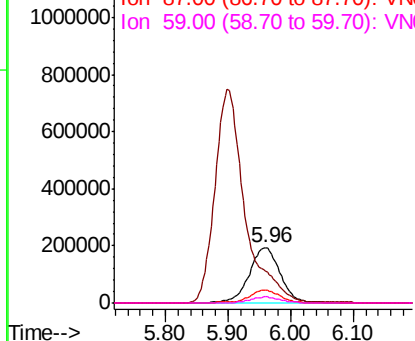


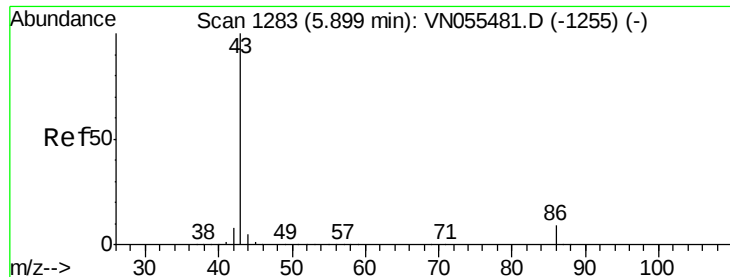
#22
Diisopropyl ether
Concen: 20.904 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 45 Resp: 668718
Ion Ratio Lower Upper
45 100
43 57.9 44.6 66.8
87 23.9 18.6 28.0
59 10.8 8.6 12.8



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





#23

Vinyl Acetate

Concen: 100.701 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

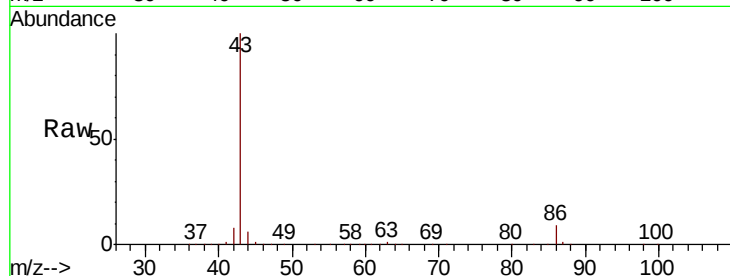
VN0509MBSD01

Tot Ion: 43 Resp: 2491334

Ion Ratio Lower Upper

43 100

86 8.7 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

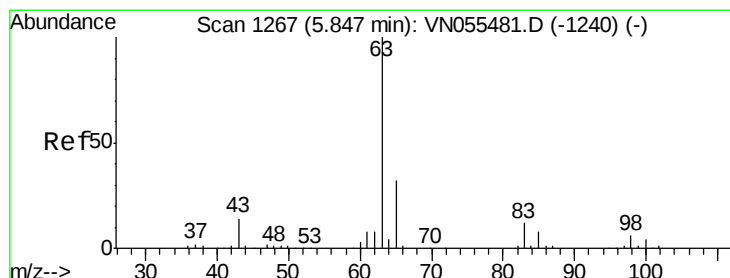
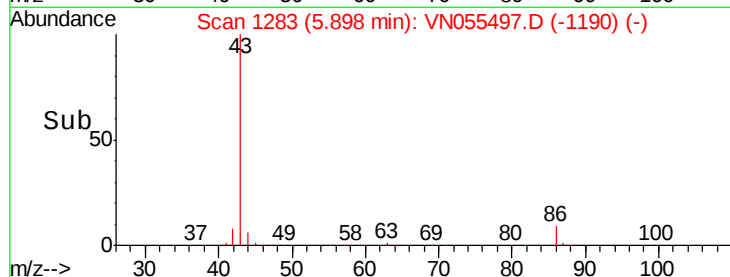
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.549 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

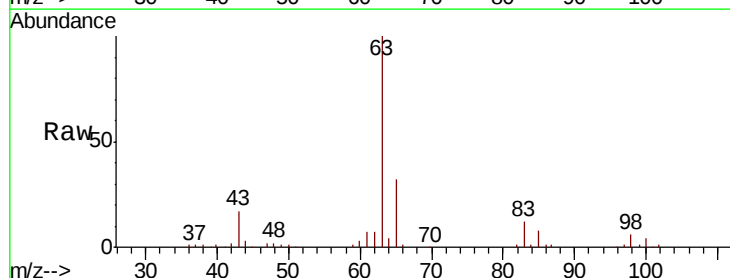
Tgt Ion: 63 Resp: 354865

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

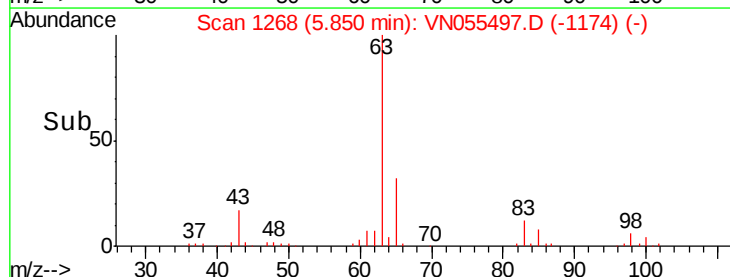
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 97.136 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

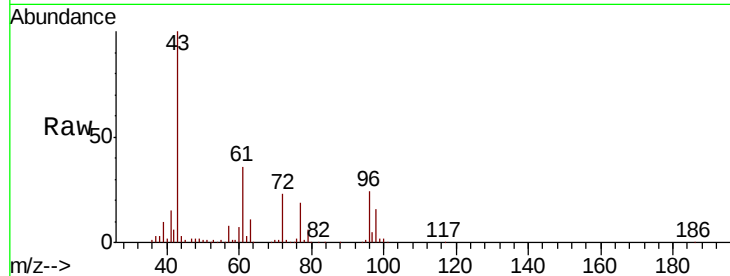
VN0509MBSD01

Tot Ion: 43 Resp: 657775

Ion Ratio Lower Upper

43 100

72 23.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

250000

200000

150000

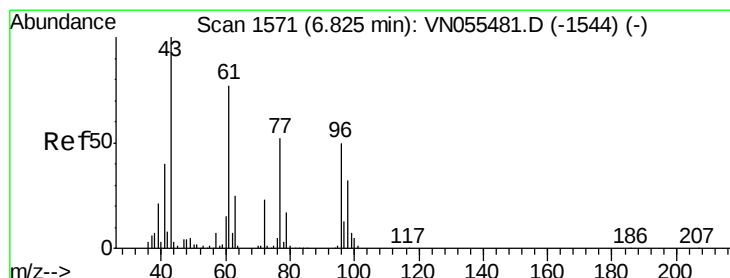
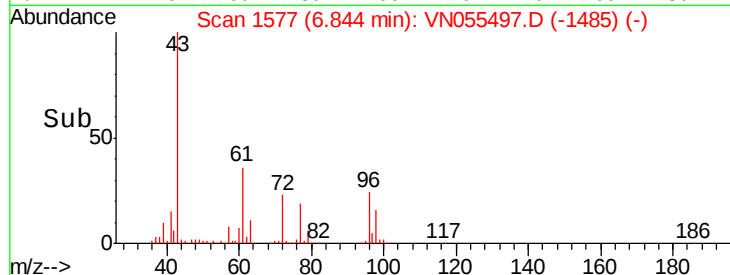
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.702 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055497.D

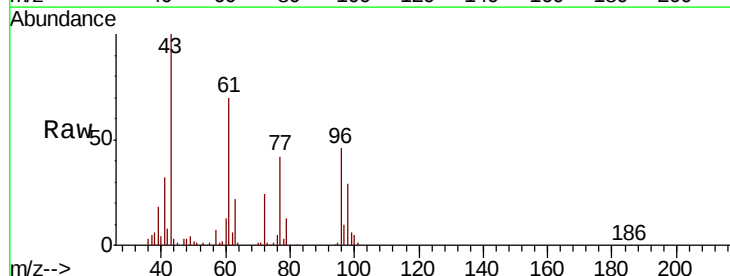
Acq: 9 May 2019 15:14

Tgt Ion: 77 Resp: 201332

Ion Ratio Lower Upper

77 100

97 23.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

60000

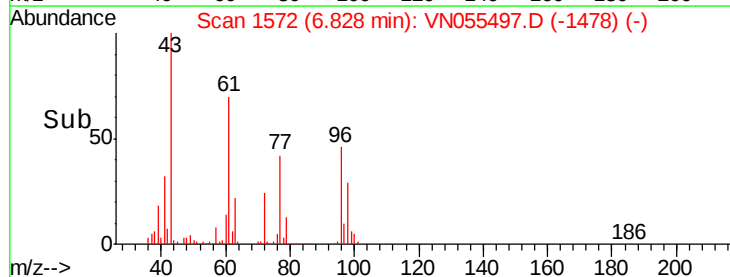
40000

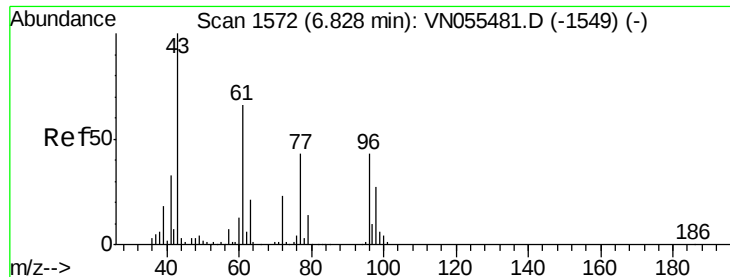
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.761 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

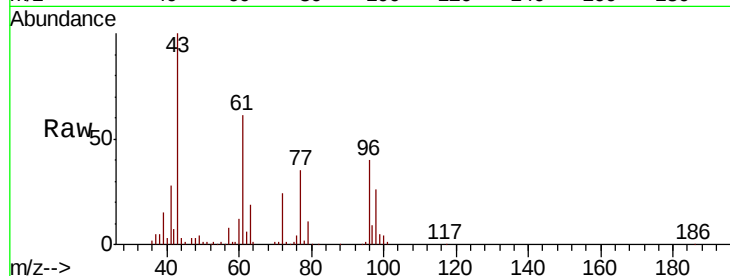
Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion: 96 Resp: 199918

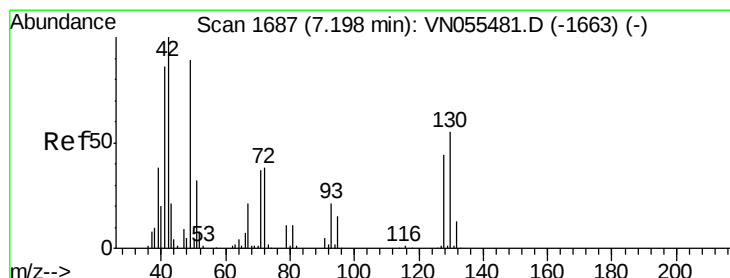
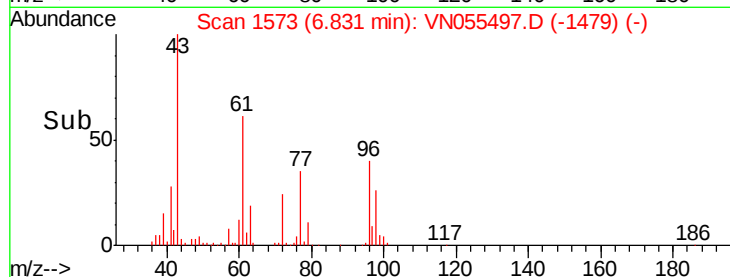
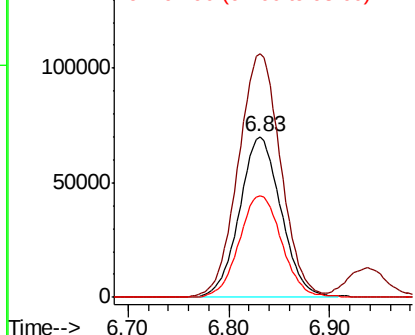
Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	310.8
98	65.2	0.0	129.4



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: 21.580 ug/l

RT: 7.20 min Scan# 1687

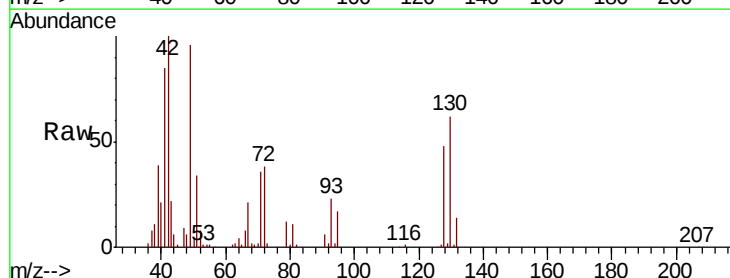
Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Tgt Ion: 49 Resp: 193534

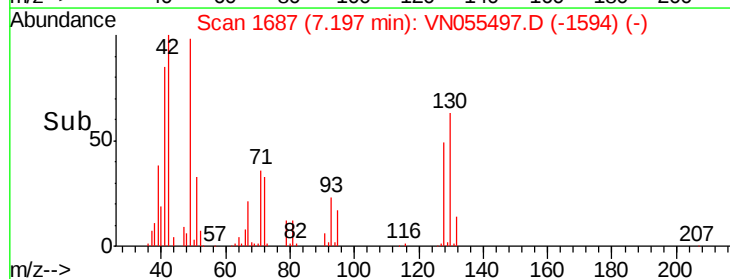
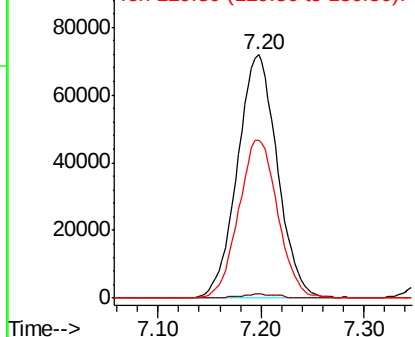
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	63.7	49.5	74.3

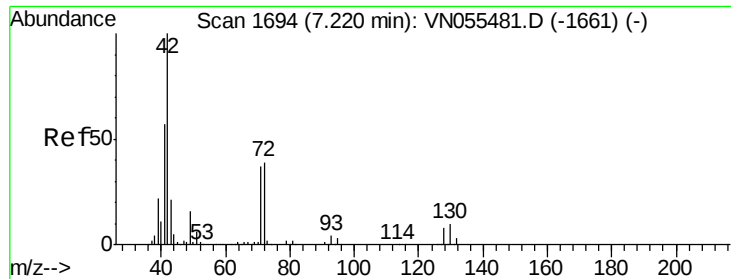


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

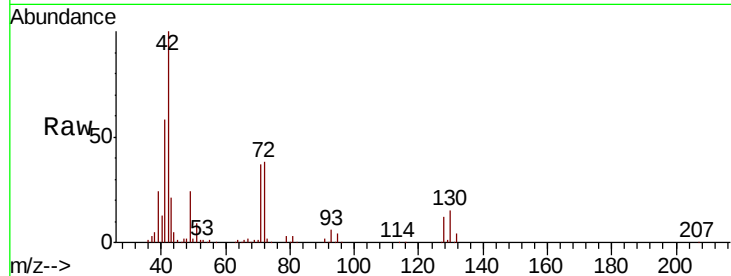




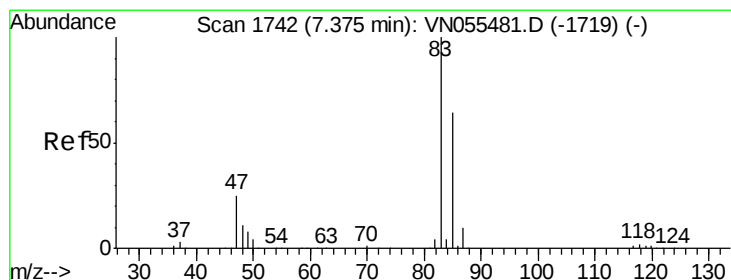
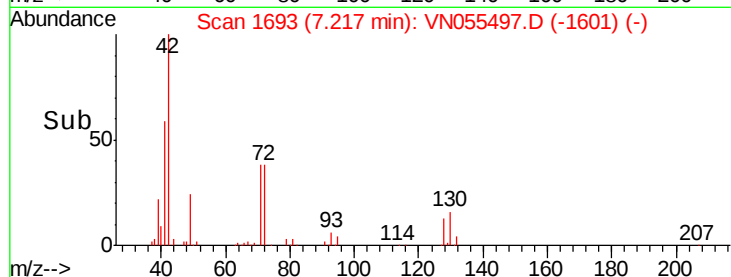
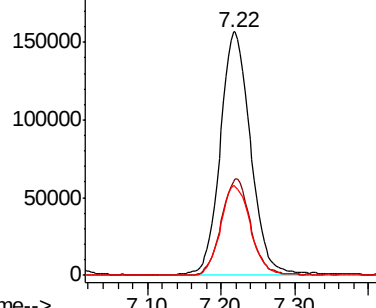
#29
Tetrahydrofuran
Concen: 99.900 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion: 42 Resp: 447216
Ion Ratio Lower Upper
42 100
72 38.2 31.0 46.6
71 36.8 29.4 44.2

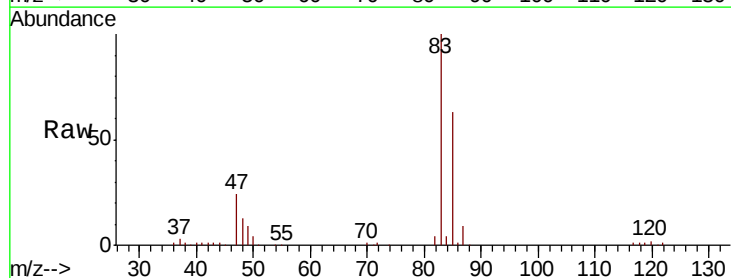


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

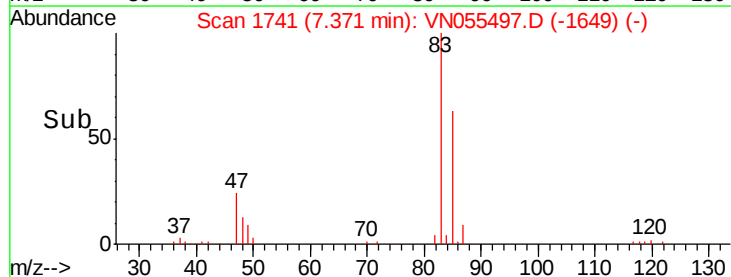
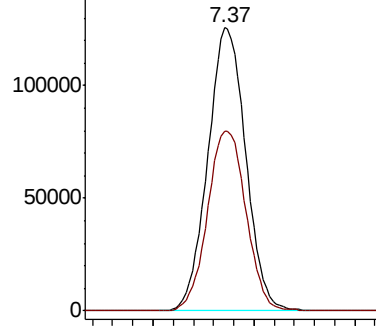


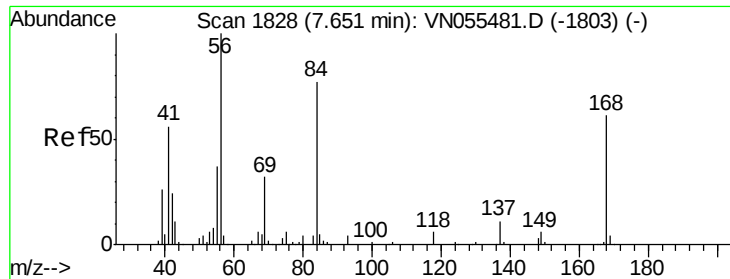
#30
Chloroform
Concen: 20.511 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 83 Resp: 327451
Ion Ratio Lower Upper
83 100
85 63.3 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: 19.972 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

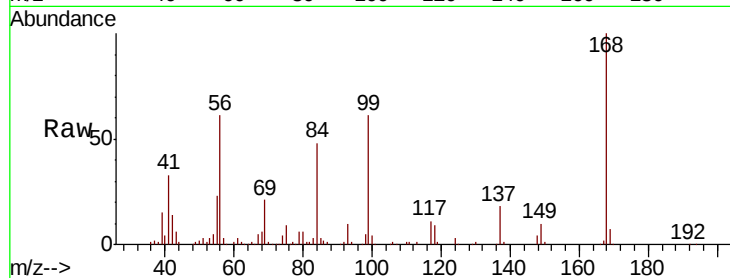
Tot Ion: 56 Resp: 341251

Ion Ratio Lower Upper

56 100

69 34.1 26.0 39.0

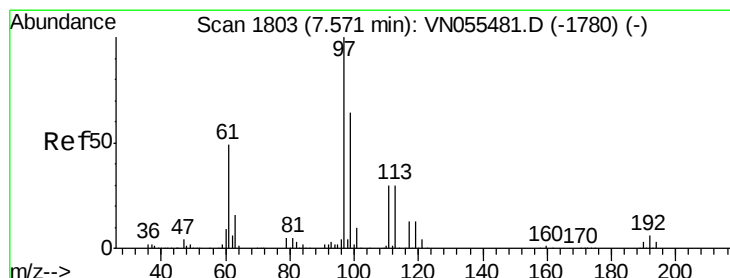
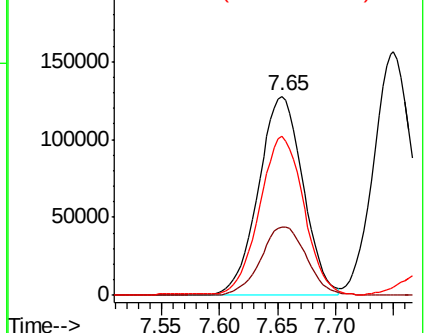
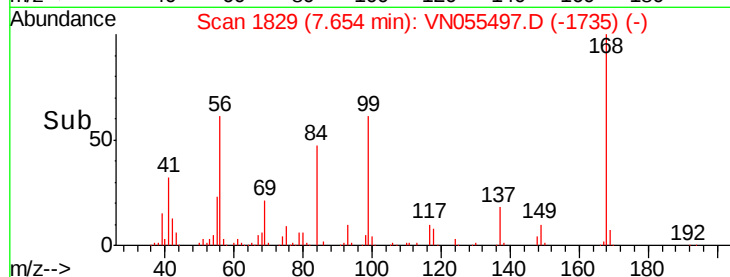
84 78.5 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VN055497.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN055497.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN055497.D (-1735) (-)



#32

1,1,1-Trichloroethane

Concen: 20.377 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

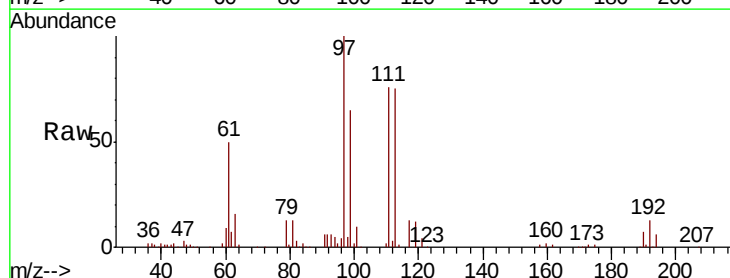
Tgt Ion: 97 Resp: 247723

Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

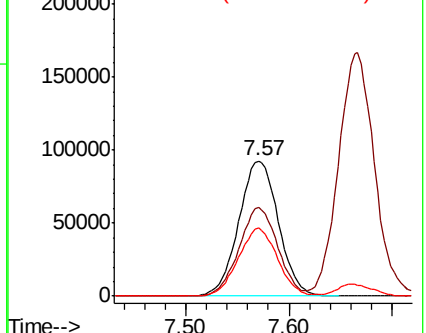
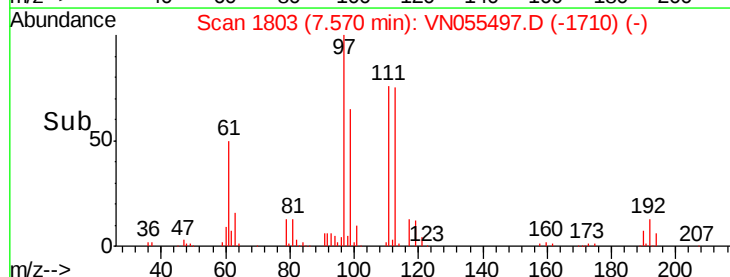
61 49.6 39.2 58.8

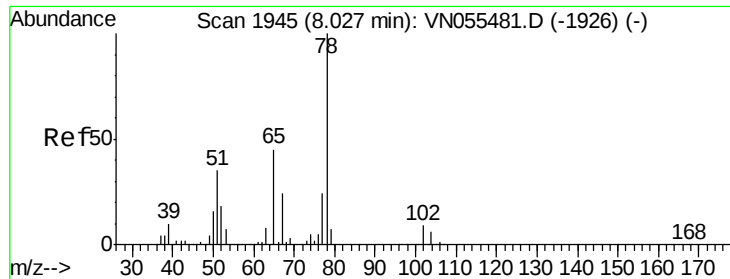


Abundance Ion 96.90 (96.60 to 97.60): VN055497.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055497.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055497.D (-1710) (-)

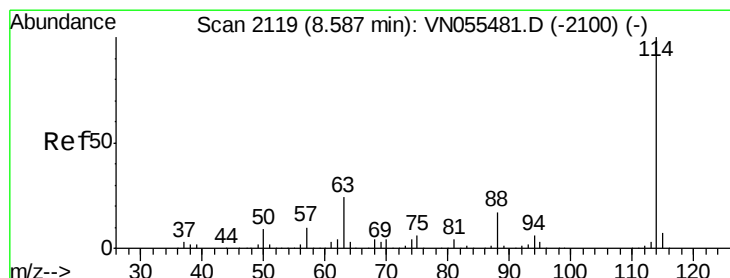
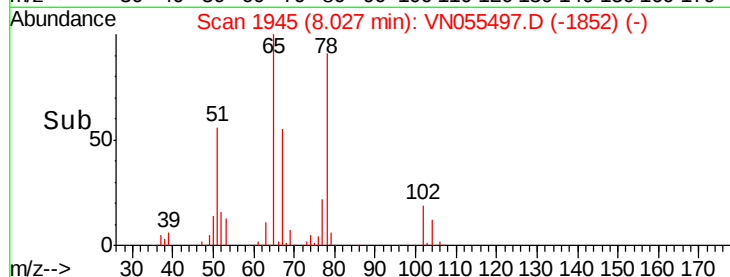
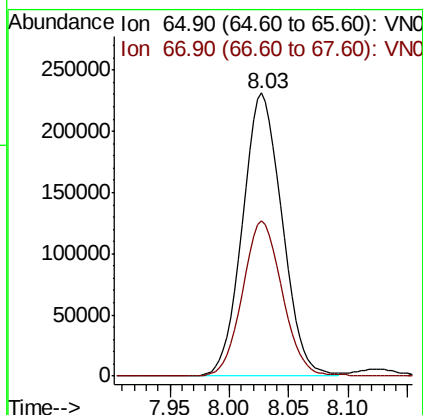
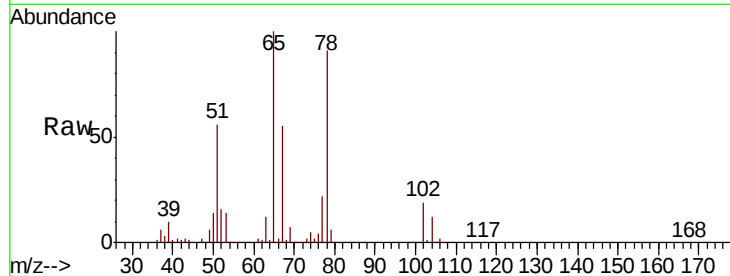




#33
 1,2-Dichloroethane-d4
 Concen: 50.379 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

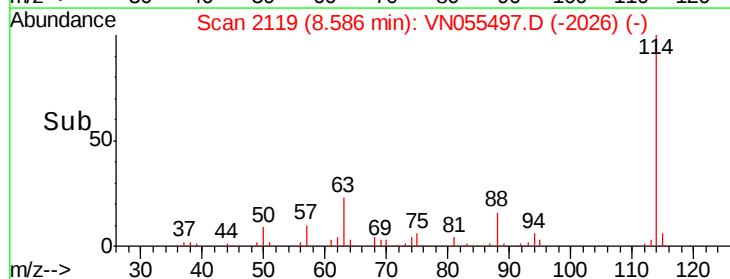
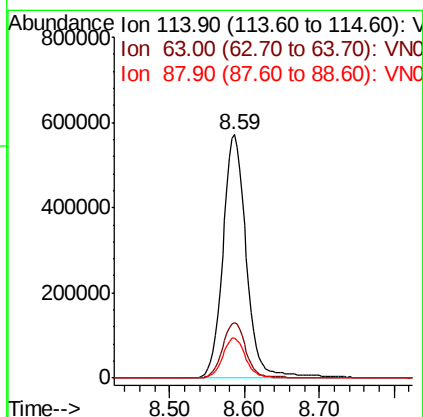
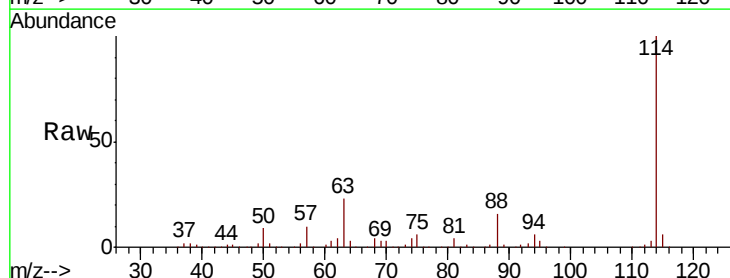
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

Tot Ion: 65 Resp: 533366
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion: 114 Resp: 1234245
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.4
 88 16.3 0.0 34.0

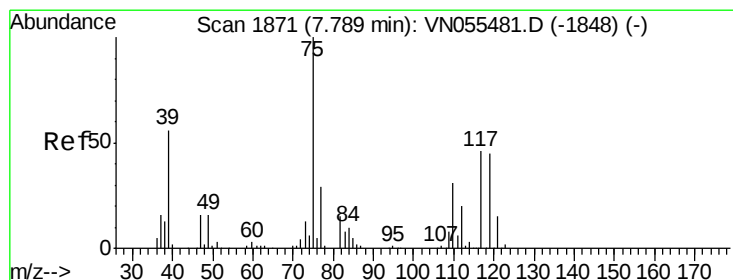
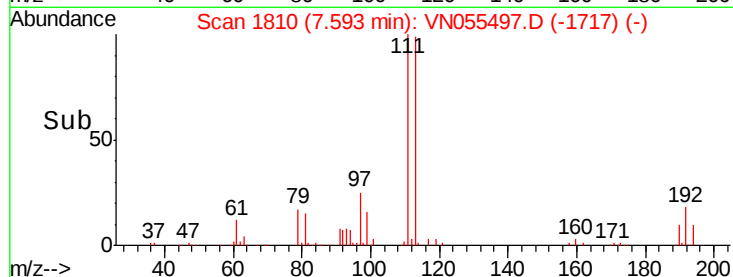
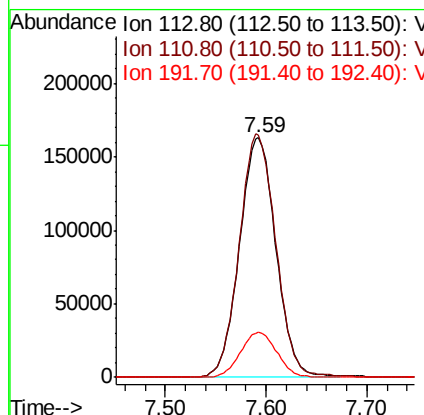
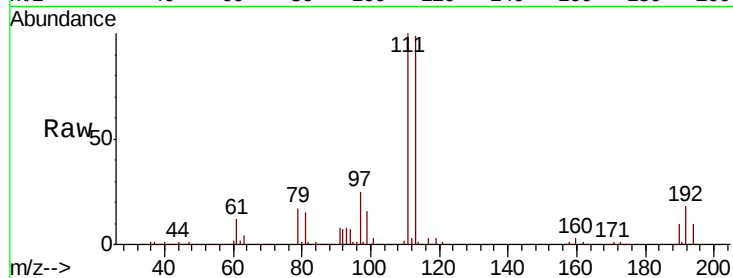




#35
 Dibromofluoromethane
 Concen: 51.205 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

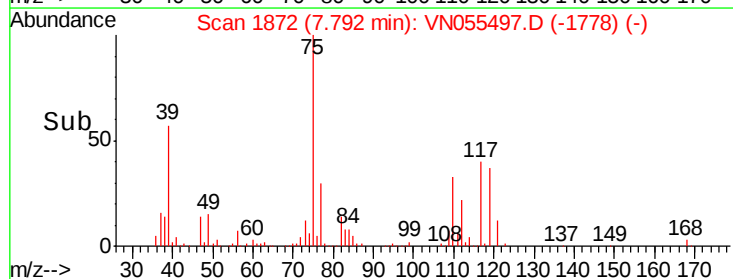
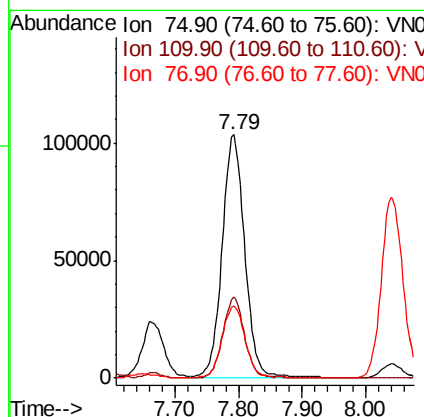
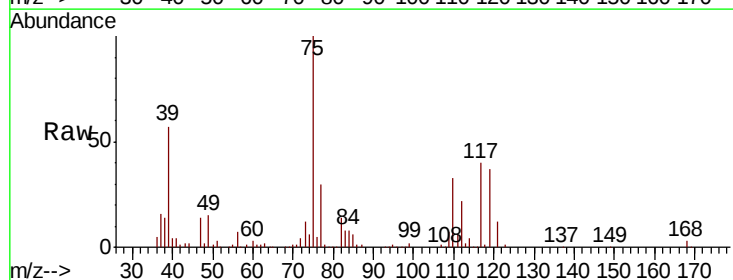
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

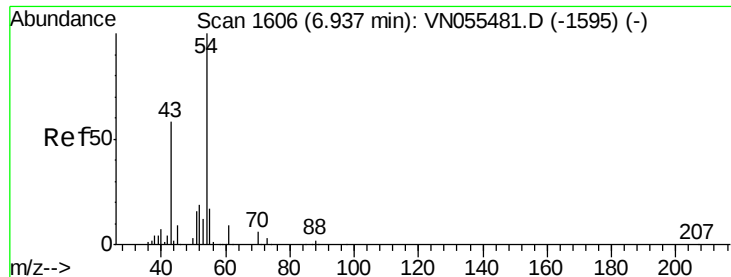
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	18.9	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 21.026 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.1	48.3
77	30.2	24.6	37.0

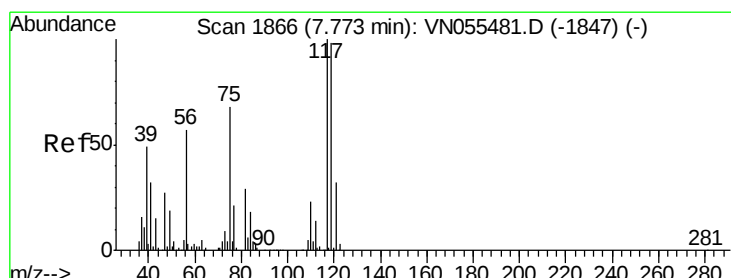
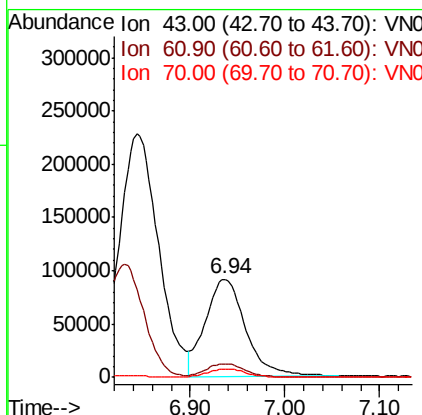
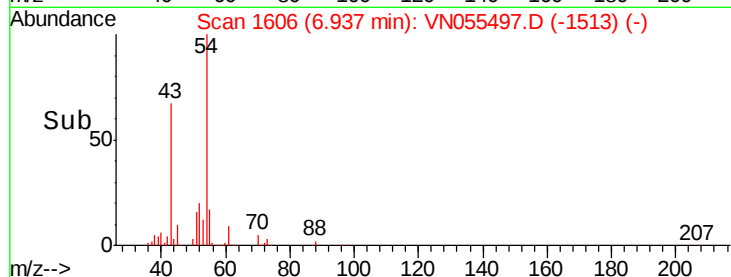
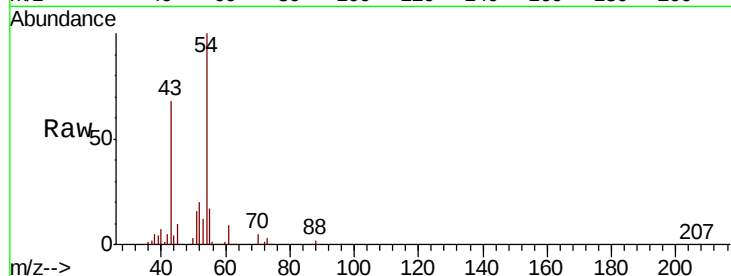




#37
Ethyl Acetate
Concen: 20.318 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

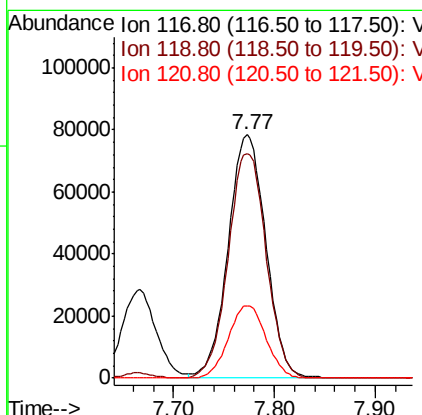
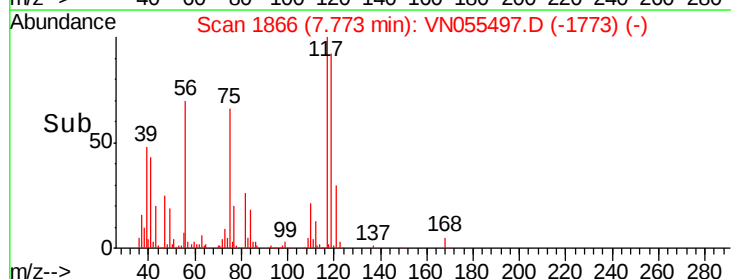
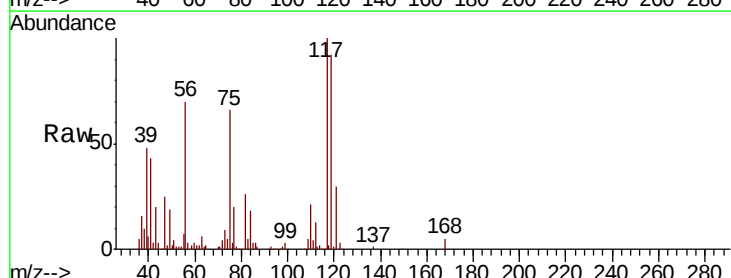
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

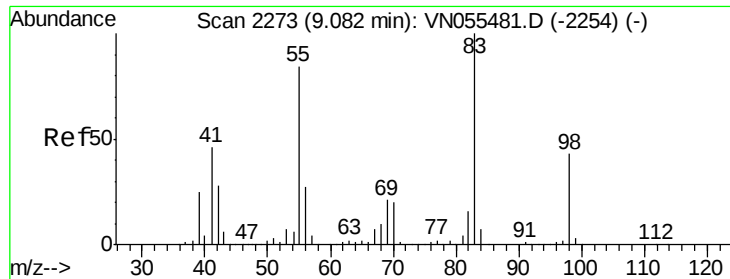
Tot Ion: 43 Resp: 269503
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 7.8 7.0 10.6



#38
Carbon Tetrachloride
Concen: 19.708 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 117 Resp: 201782
Ion Ratio Lower Upper
117 100
119 92.5 77.8 116.6
121 29.9 25.2 37.8

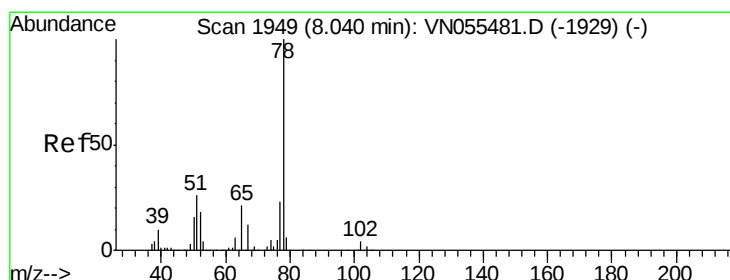
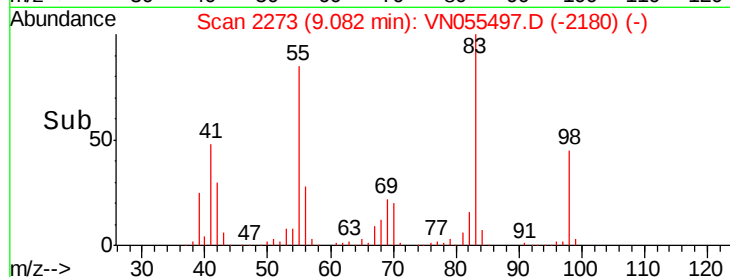
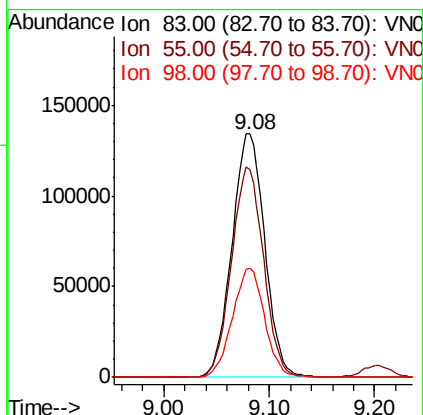
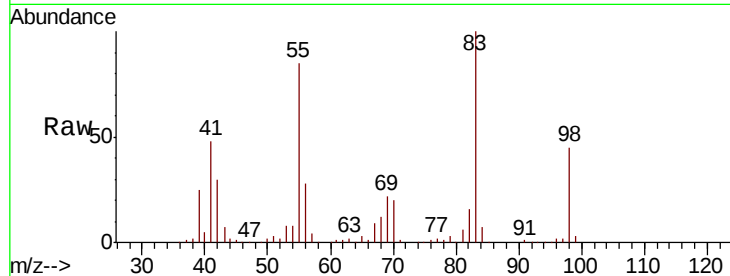




#39
Methvlcvclohexane
Concen: 19.520 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

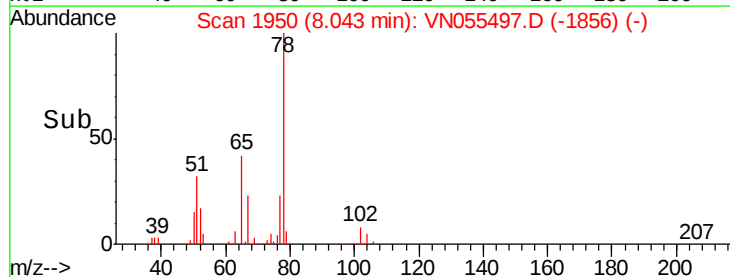
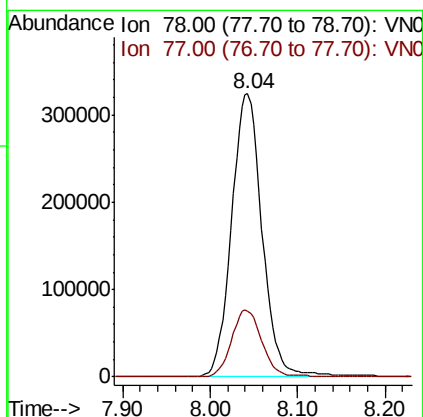
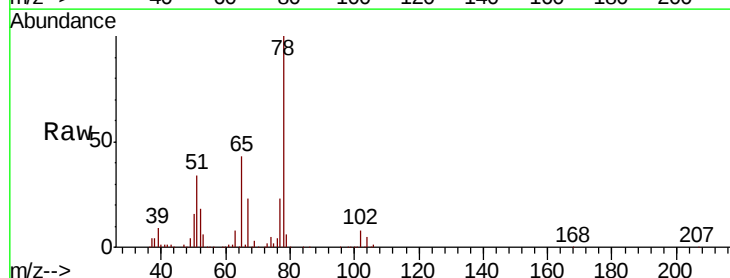
Instrument :
MSVOA_N
ClientSampled :
VN0509MBSD01

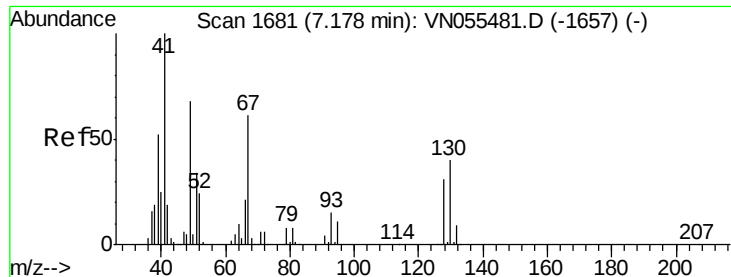
Tot Ion: 83 Resp: 289399
Ion Ratio Lower Upper
83 100
55 85.5 67.0 100.4
98 45.1 34.2 51.4



#40
Benzene
Concen: 20.813 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 78 Resp: 785424
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8





#41

Methacrylonitrile

Concen: 63.903 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.04 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion: 41 Resp: 393408

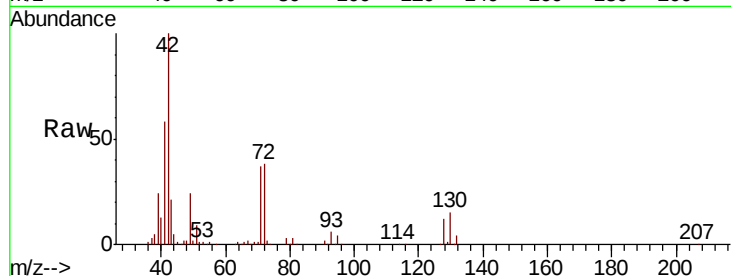
Ion Ratio Lower Upper

41 100

39 0.0 44.7 67.1#

67 0.0 61.4 92.0#

52 0.0 25.0 37.4#

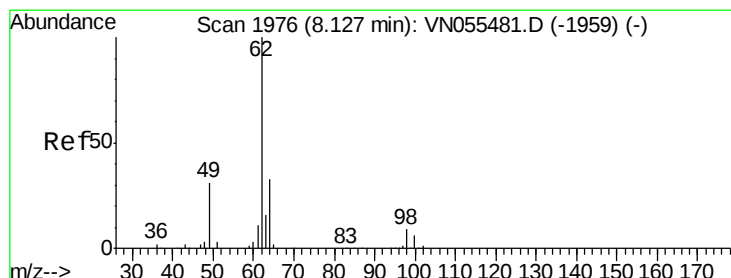
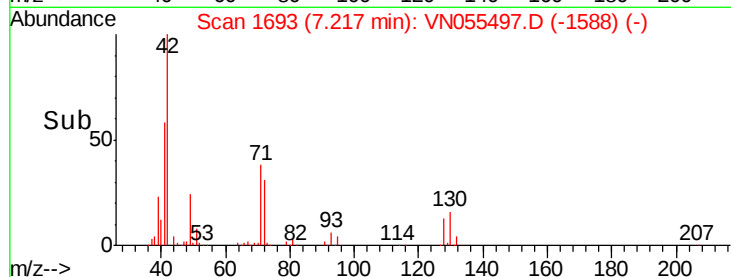
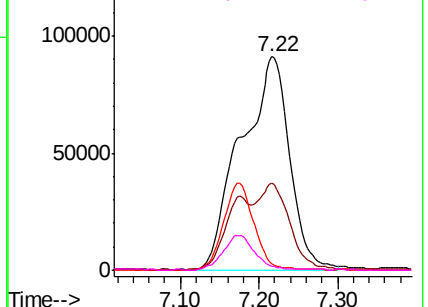


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.206 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN055497.D

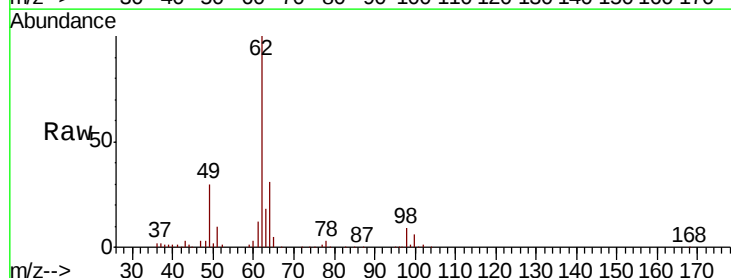
Acq: 9 May 2019 15:14

Tgt Ion: 62 Resp: 267899

Ion Ratio Lower Upper

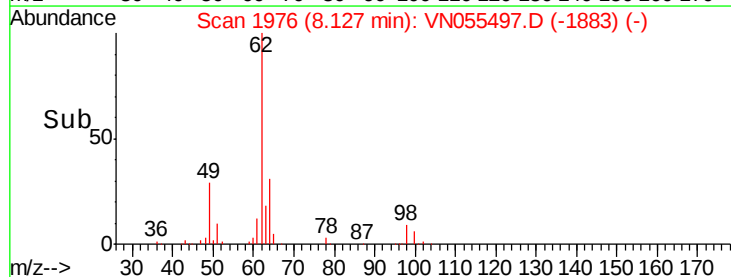
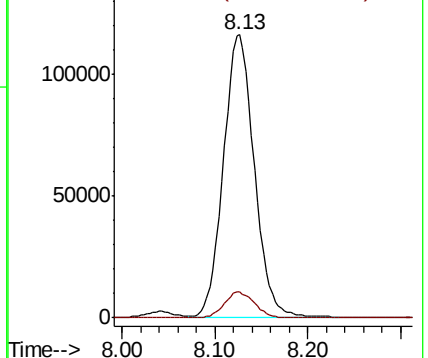
62 100

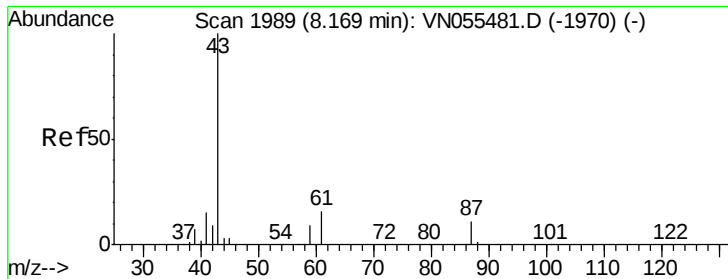
98 9.0 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.440 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

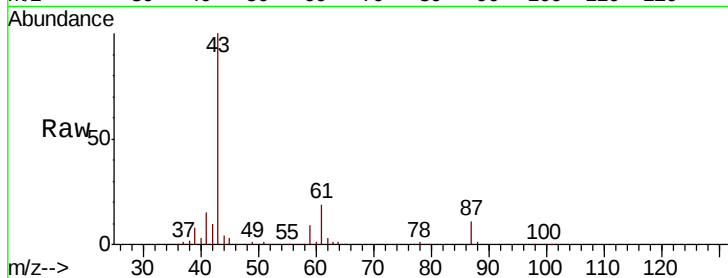
Tot Ion: 43 Resp: 391735

Ion Ratio Lower Upper

43 100

61 19.4 15.1 22.7

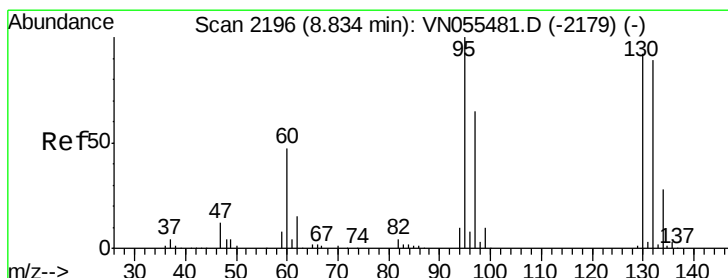
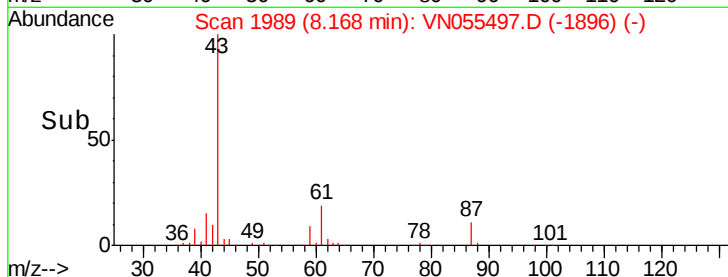
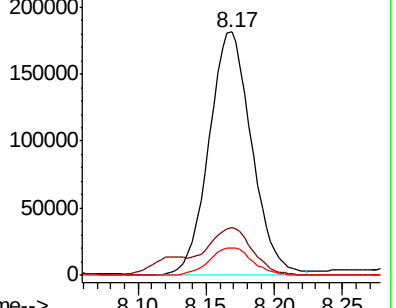
87 11.5 9.0 13.6



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) (-)



#44

Trichloroethene

Concen: 20.453 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055497.D

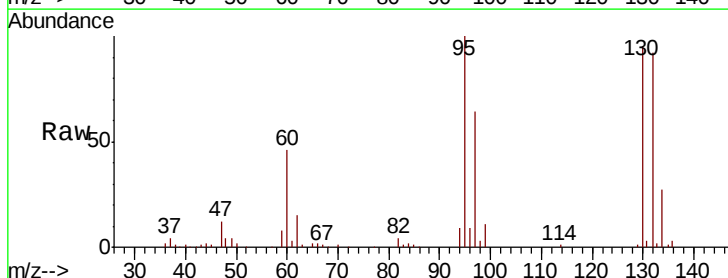
Acq: 9 May 2019 15:14

Tgt Ion:130 Resp: 183653

Ion Ratio Lower Upper

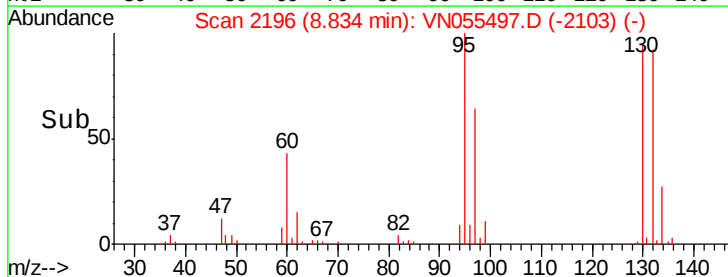
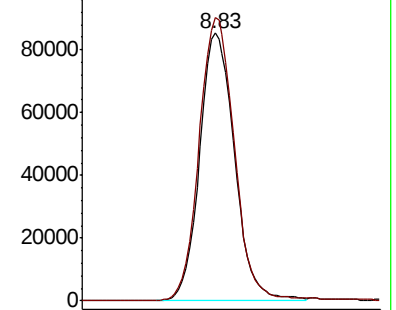
130 100

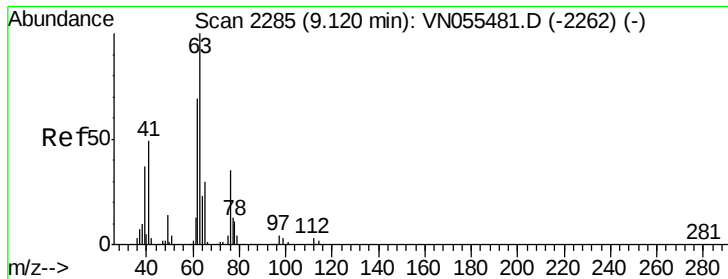
95 105.8 0.0 216.8



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

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





#45

1,2-Dichloropropane

Concen: 20.672 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

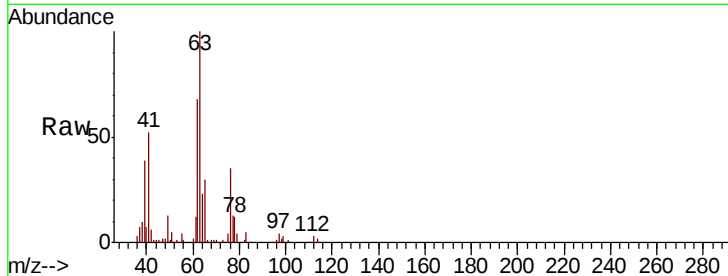
VN0509MBSD01

Tot Ion: 63 Resp: 223211

Ion Ratio Lower Upper

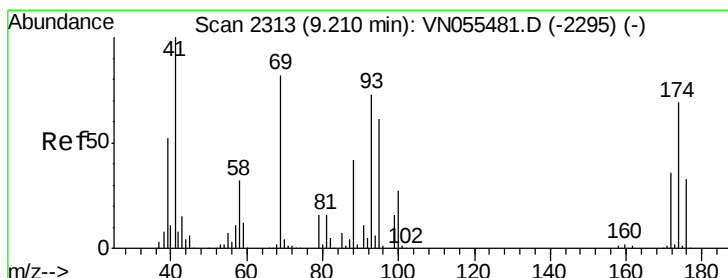
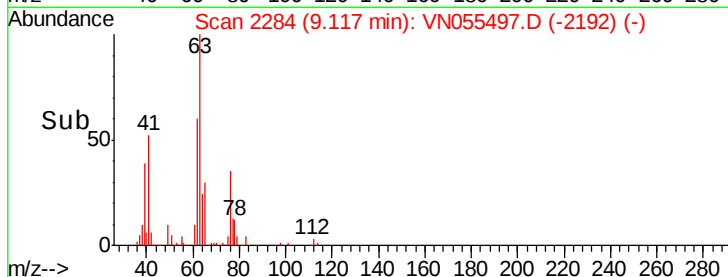
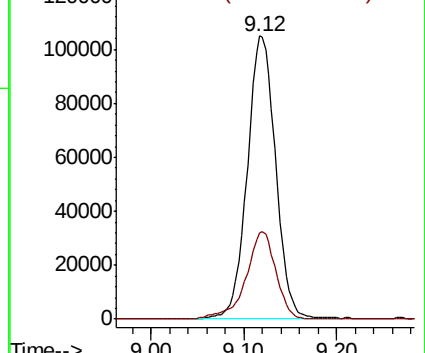
63 100

65 30.4 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.270 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

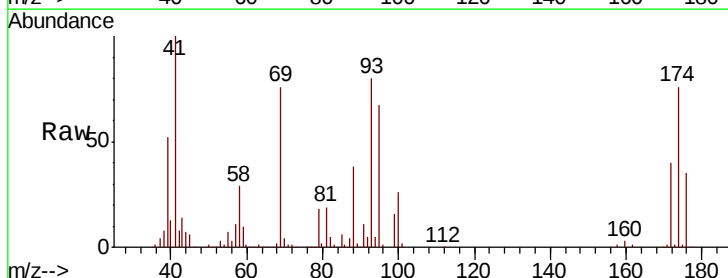
Tgt Ion: 93 Resp: 126865

Ion Ratio Lower Upper

93 100

95 83.5 64.8 97.2

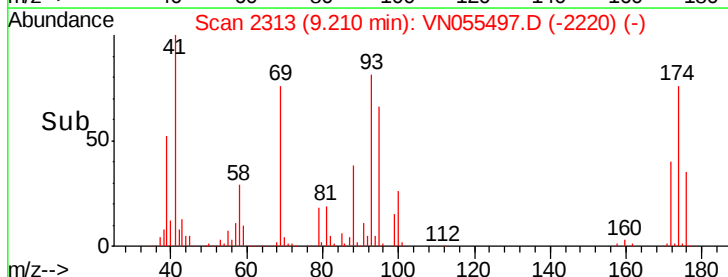
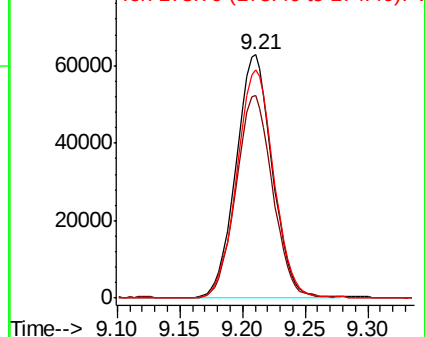
174 95.0 75.0 112.6

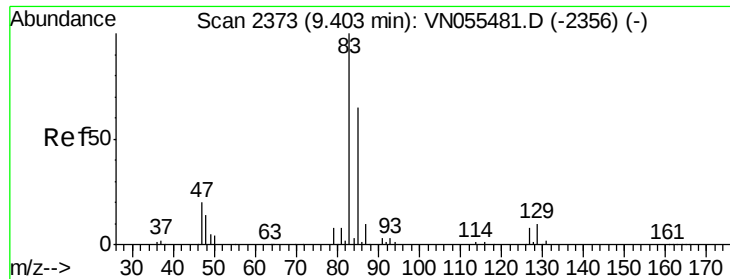


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.020 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

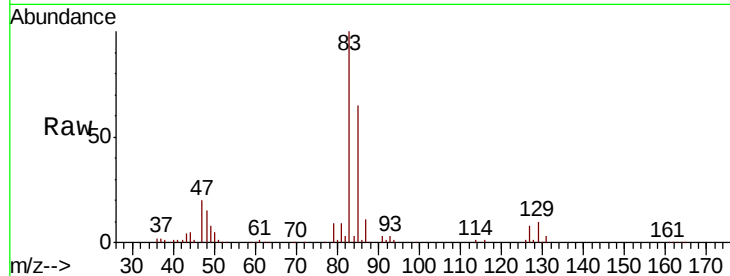
Tot Ion: 83 Resp: 239707

Ion Ratio Lower Upper

83 100

85 64.6 52.2 78.2

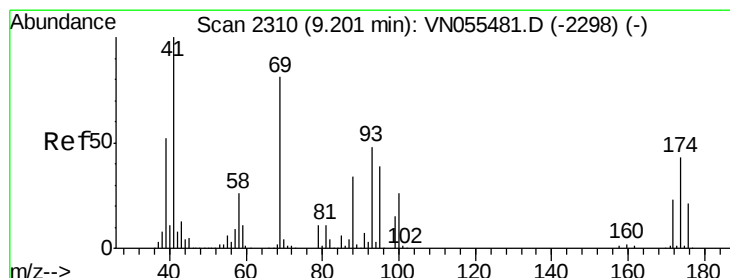
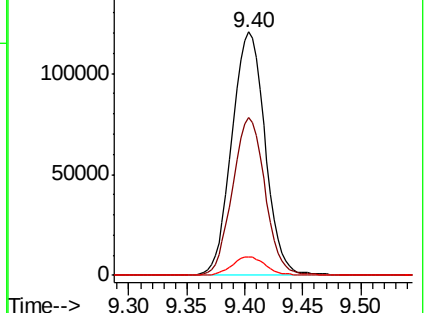
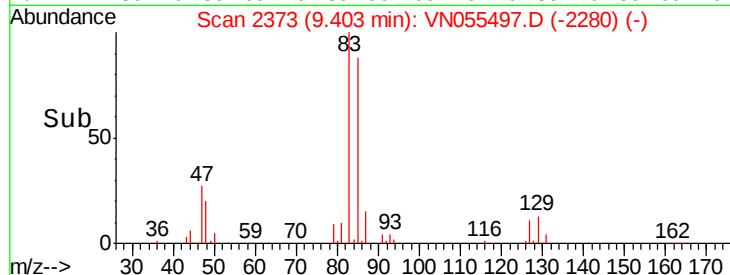
127 7.7 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.009 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

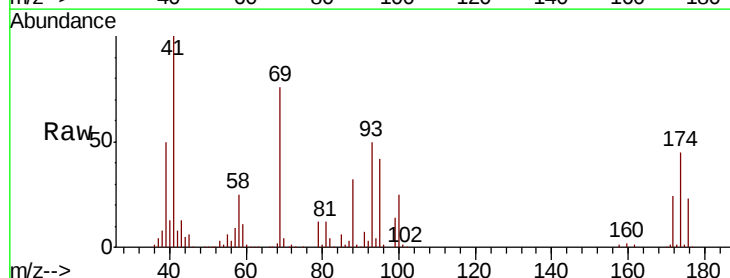
Tgt Ion: 41 Resp: 184555

Ion Ratio Lower Upper

41 100

69 80.3 64.2 96.2

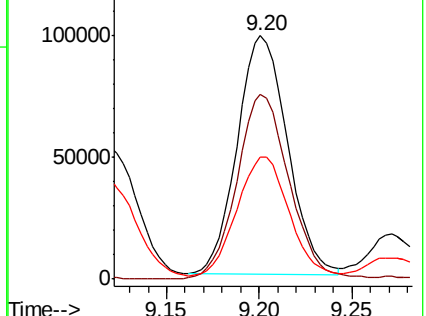
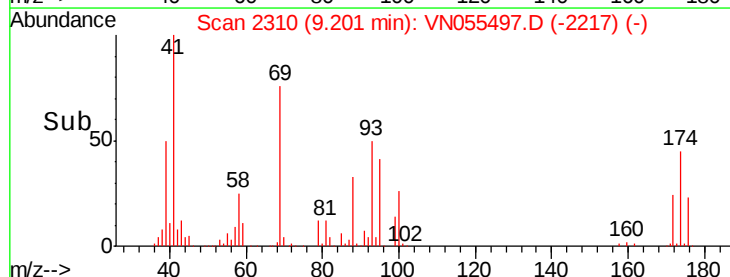
39 53.7 41.6 62.4

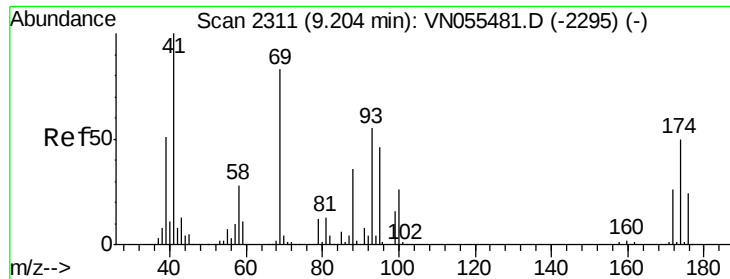


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 379.161 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

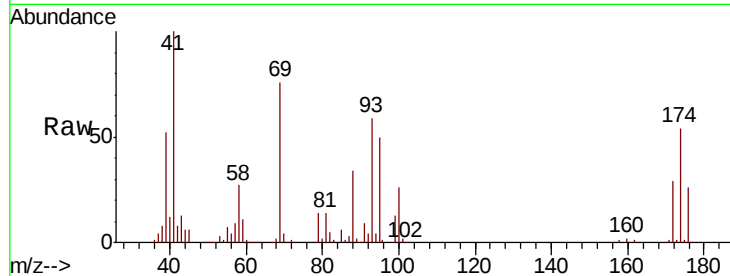
MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion: 88 Resp: 71749

Ion	Ratio	Lower	Upper
88	100		
43	34.4	27.8	41.8
58	75.7	61.8	92.6

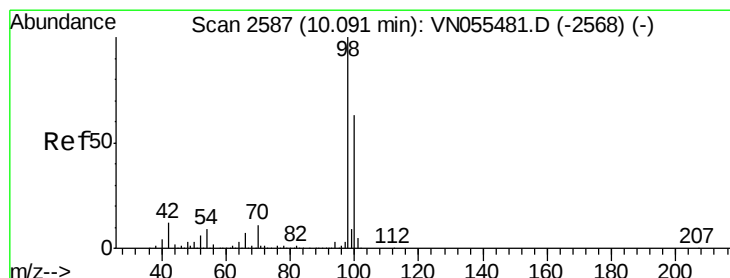
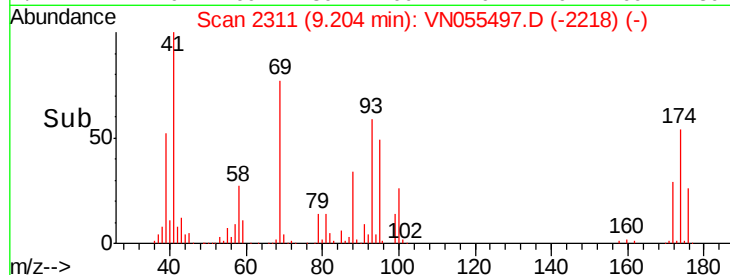
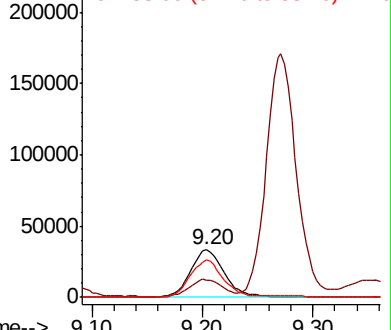


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.248 ug/l

RT: 10.09 min Scan# 2587

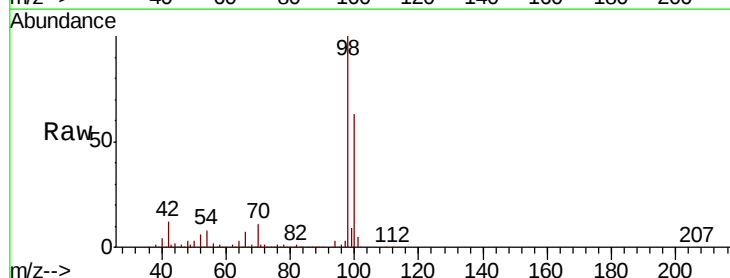
Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Tgt Ion: 98 Resp: 1590055

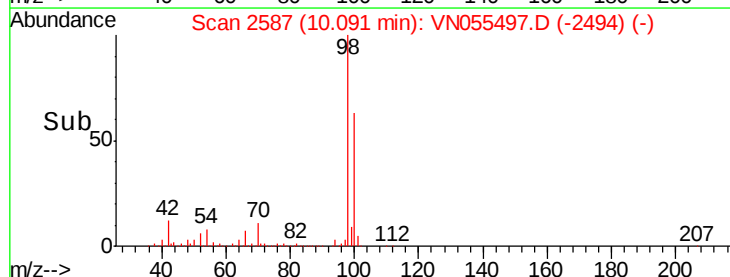
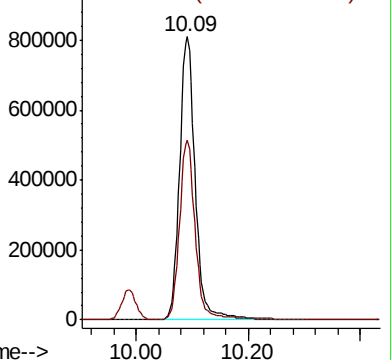
Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.4	75.6

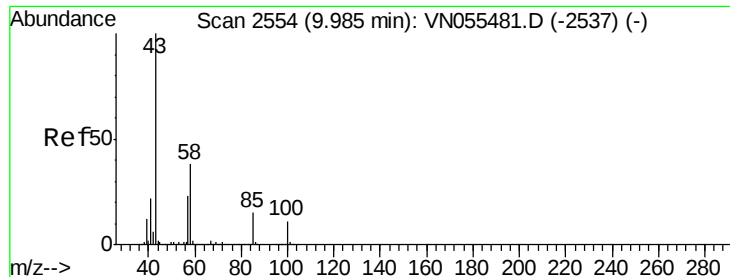


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 96.917 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

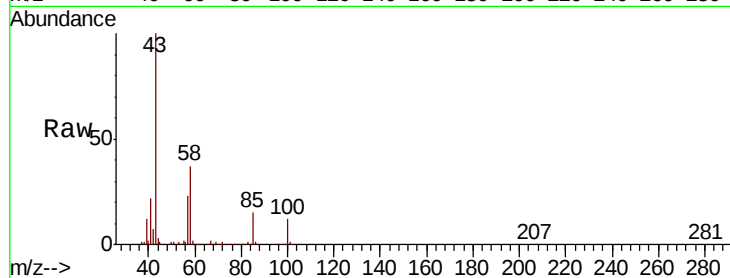
VN0509MBSD01

Tot Ion: 43 Resp: 1284456

Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

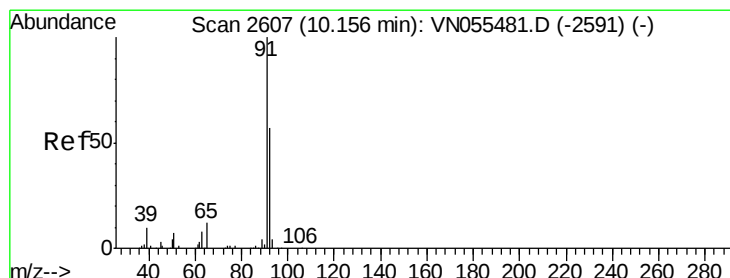
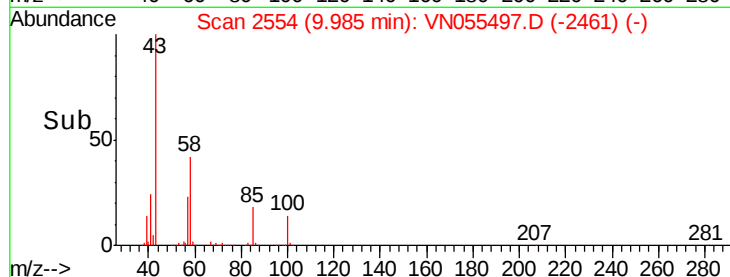
200000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 20.722 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055497.D

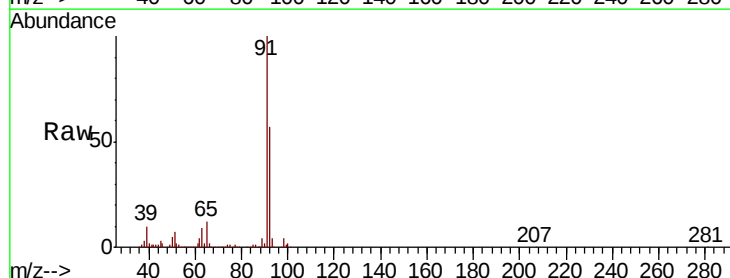
Acq: 9 May 2019 15:14

Tgt Ion: 92 Resp: 447058

Ion Ratio Lower Upper

92 100

91 180.3 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

200000

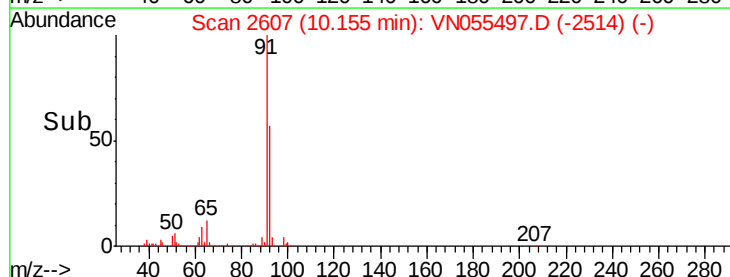
100000

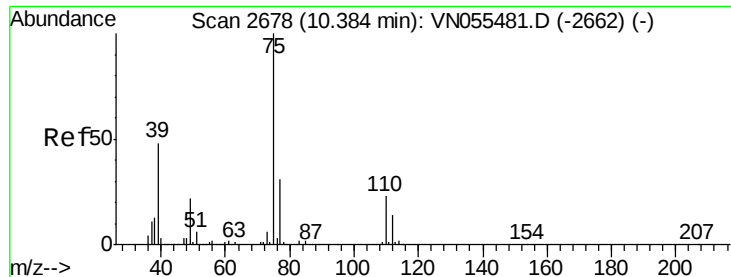
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.403 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

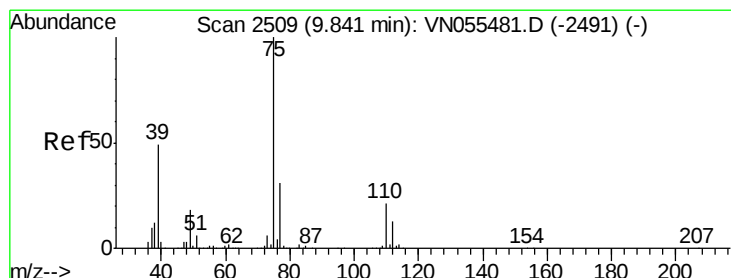
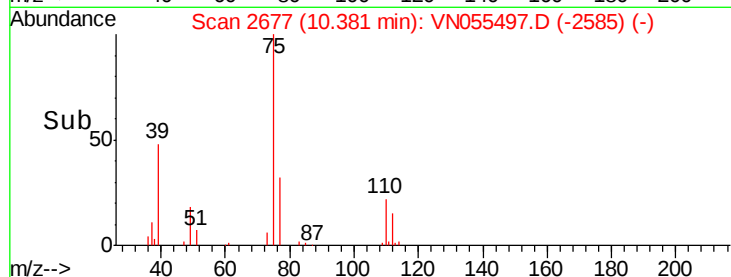
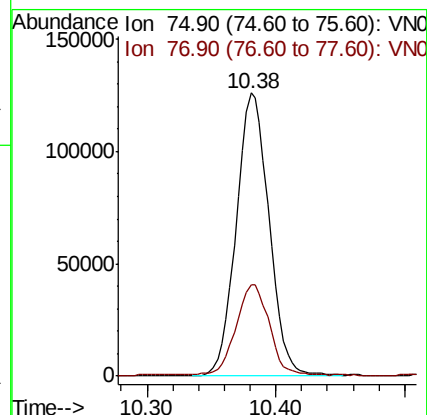
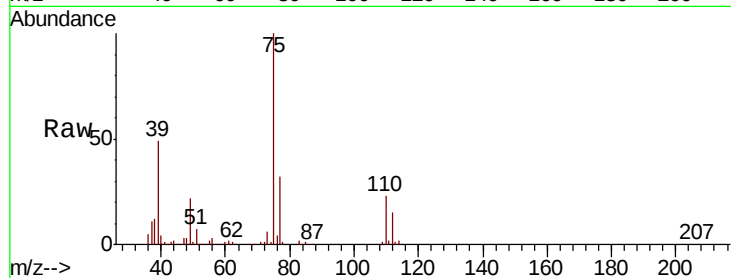
VN0509MBSD01

Tot Ion: 75 Resp: 223127

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.859 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

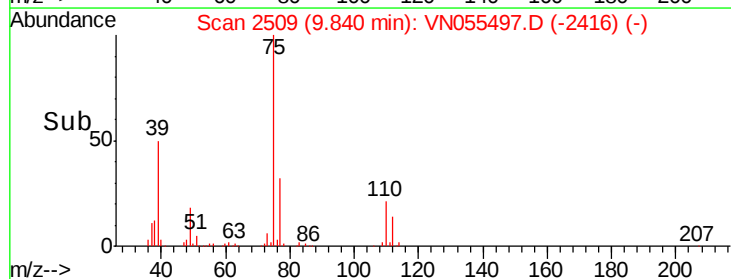
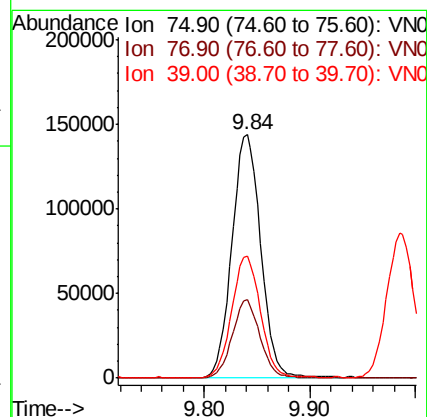
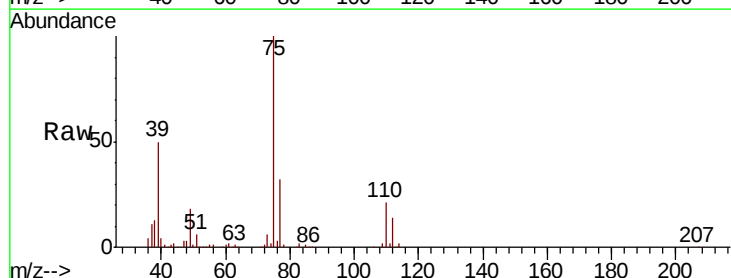
Tgt Ion: 75 Resp: 272893

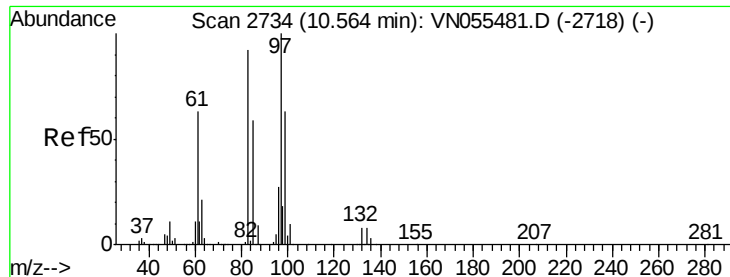
Ion Ratio Lower Upper

75 100

77 32.1 24.4 36.6

39 49.9 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 20.604 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion: 97 Resp: 180102

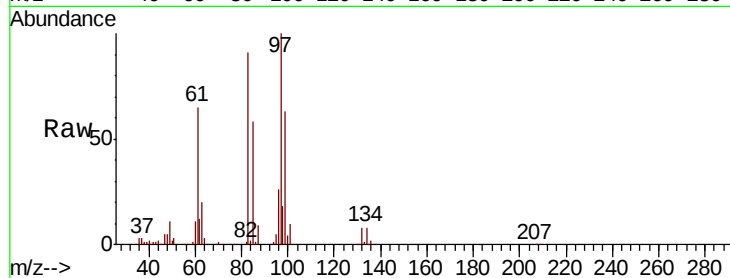
Ion Ratio Lower Upper

97 100

83 91.2 73.2 109.8

85 57.8 47.5 71.3

99 62.7 50.2 75.2

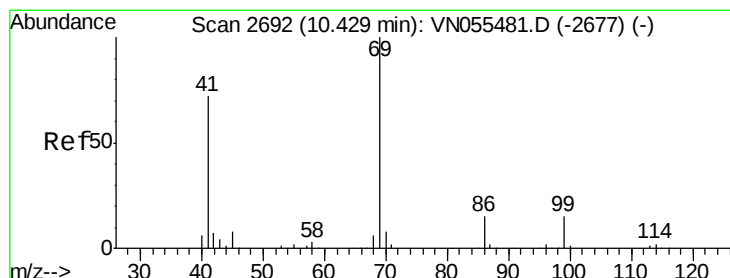
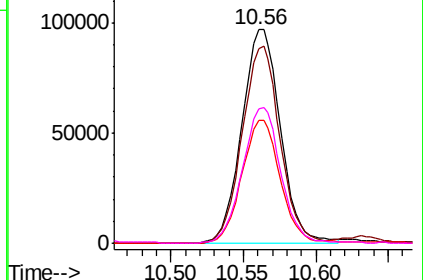
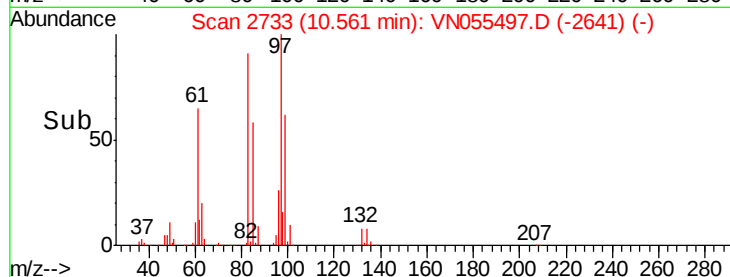


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.294 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

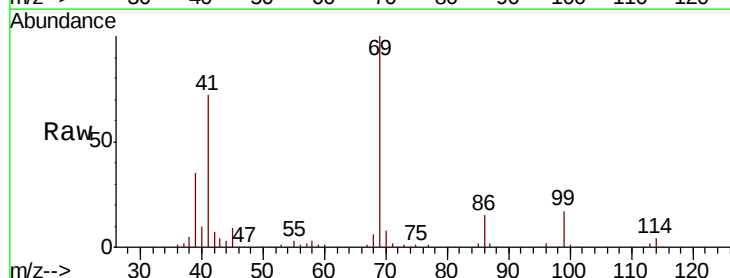
Tgt Ion: 69 Resp: 250859

Ion Ratio Lower Upper

69 100

41 70.3 56.2 84.2

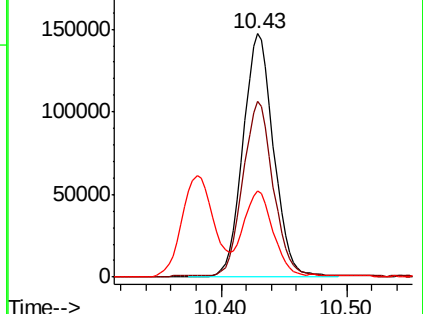
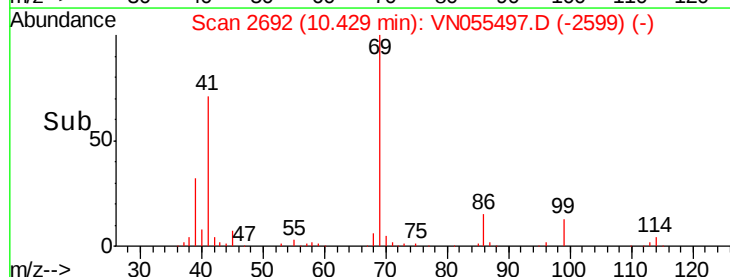
39 34.5 27.8 41.6

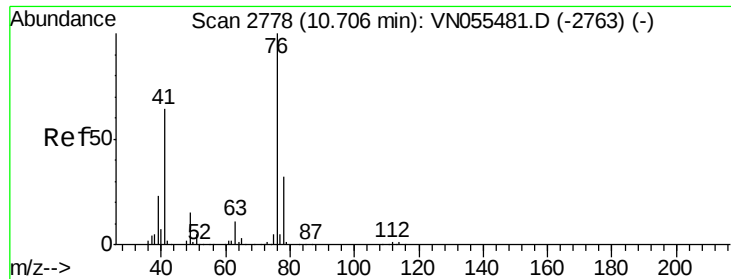


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

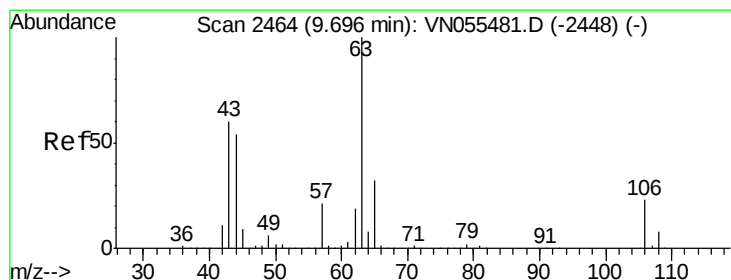
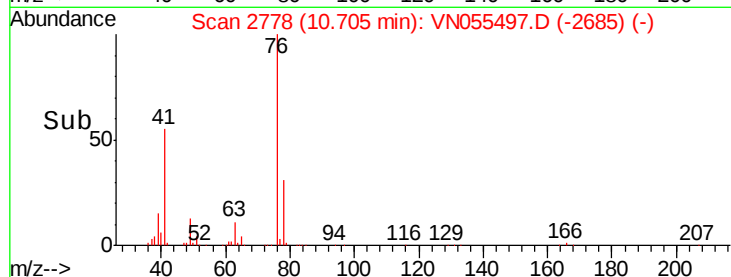
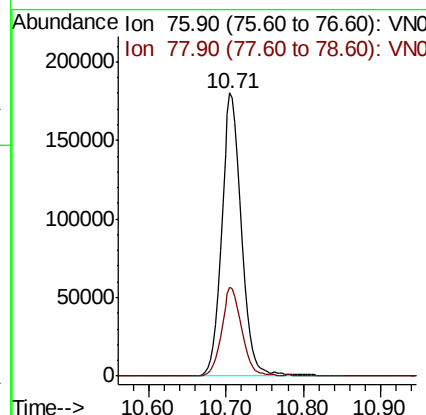
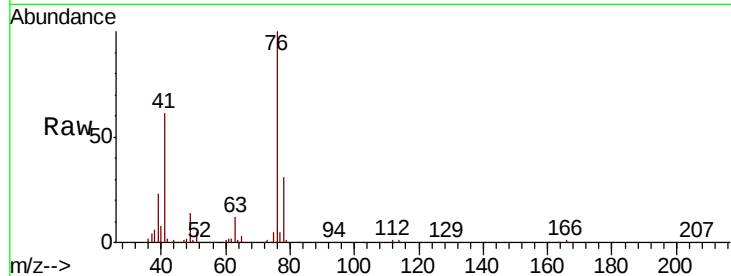




#57
 1,3-Dichloropropane
 Concen: 20.953 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

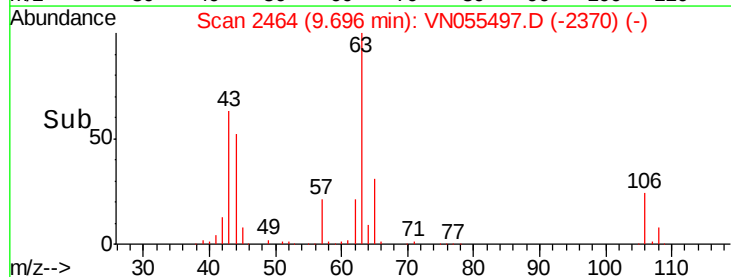
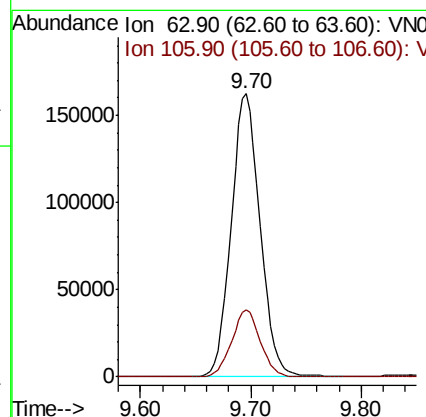
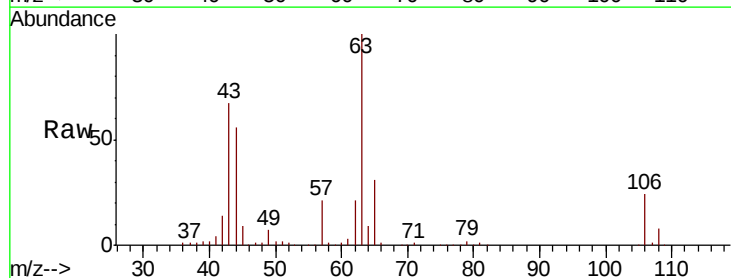
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

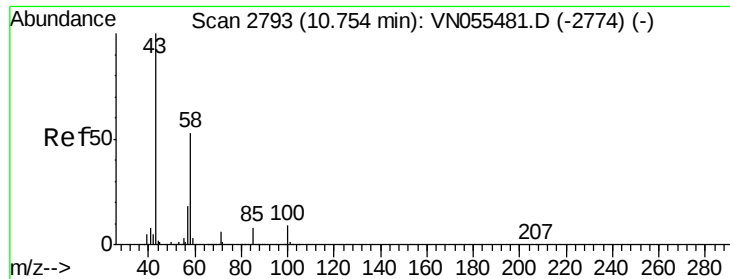
Tot Ion: 76 Resp: 325165
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 76.514 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion: 63 Resp: 294892
 Ion Ratio Lower Upper
 63 100
 106 23.6 18.6 27.8

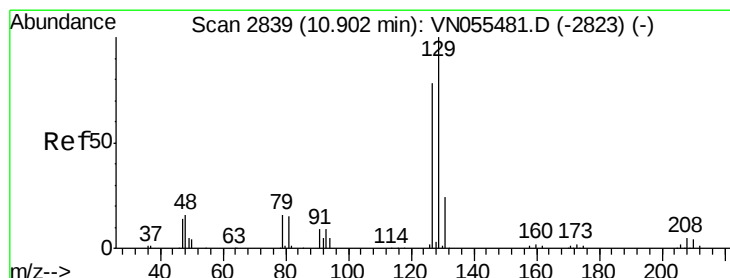
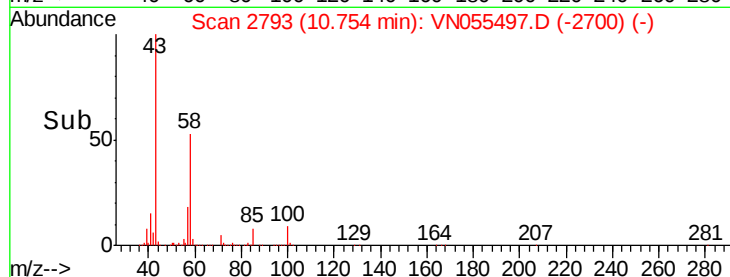
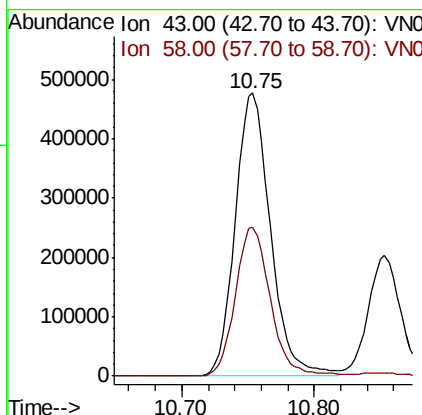
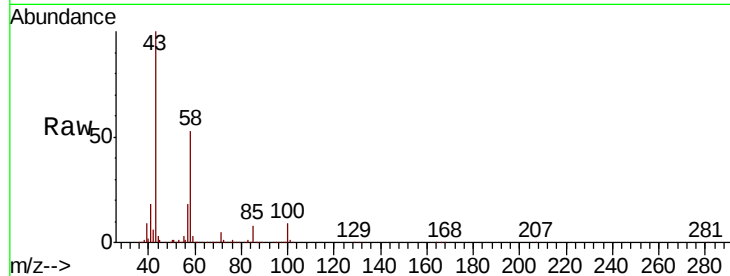




#59
2-Hexanone
Concen: 94.498 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

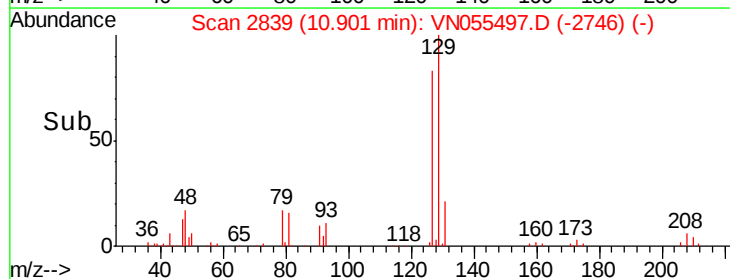
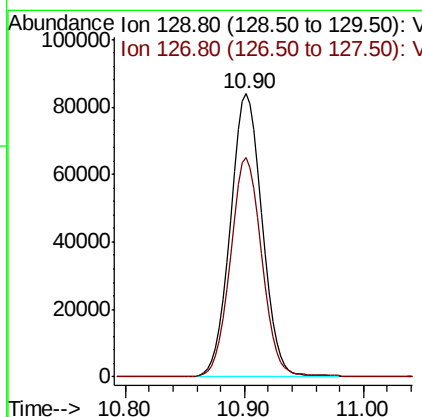
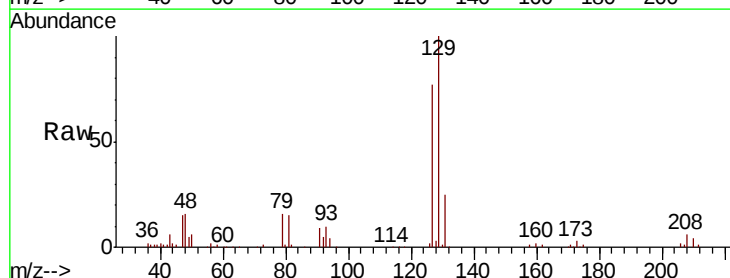
Instrument :
MSVOA_N
ClientSampled :
VN0509MBSD01

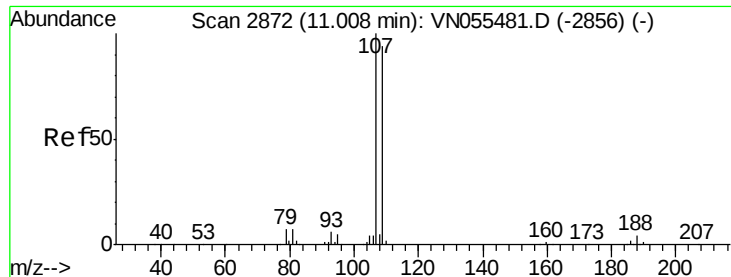
Tot Ion: 43 Resp: 878303
Ion Ratio Lower Upper
43 100
58 52.5 26.4 79.0



#60
Dibromochloromethane
Concen: 19.609 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 129 Resp: 155844
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0

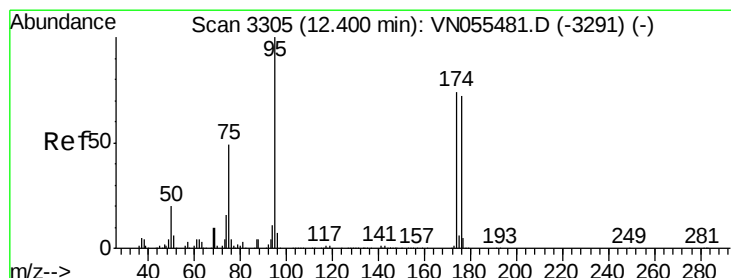
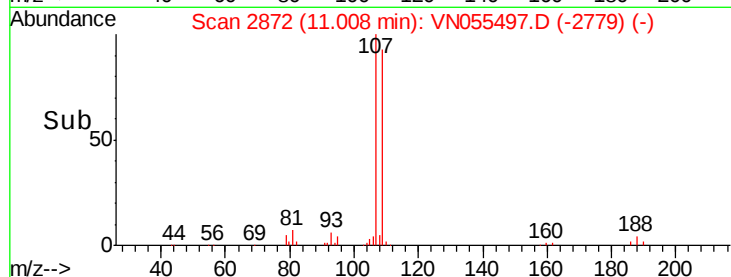
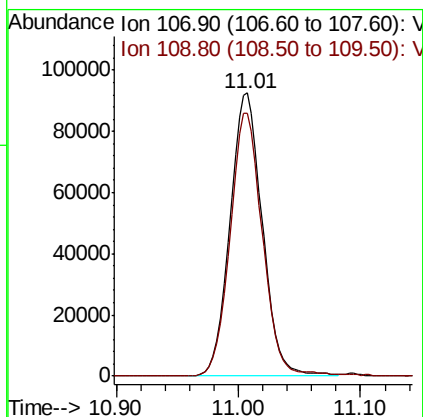
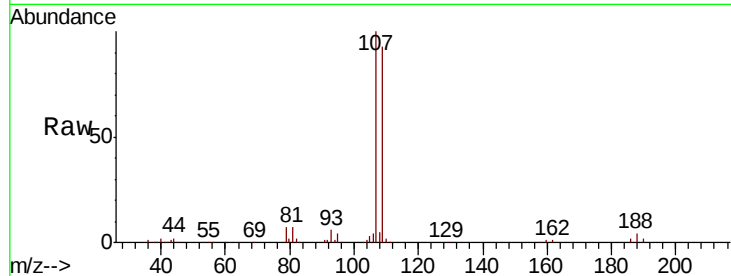




#61
 1,2-Dibromoethane
 Concen: 20.285 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

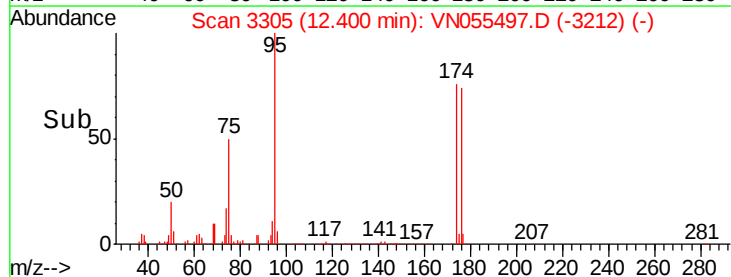
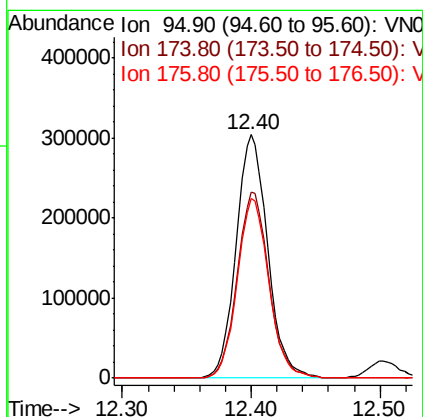
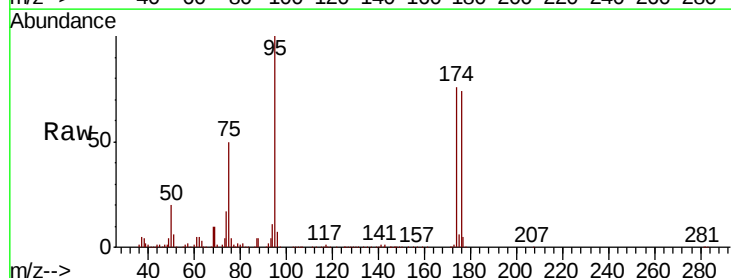
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0509MBSD01

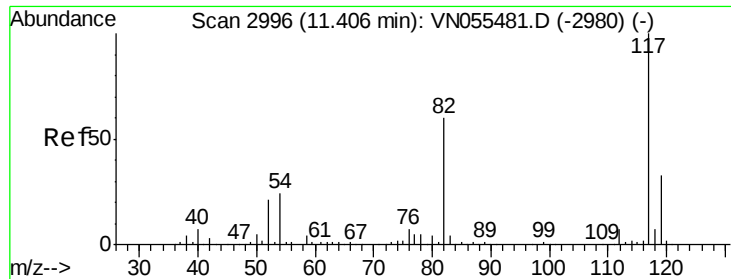
Tot Ion: 107 Resp: 170365
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 49.434 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion: 95 Resp: 517168
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 152.2
 176 74.0 0.0 147.8

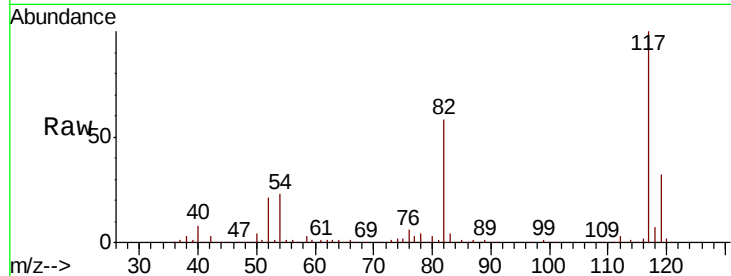




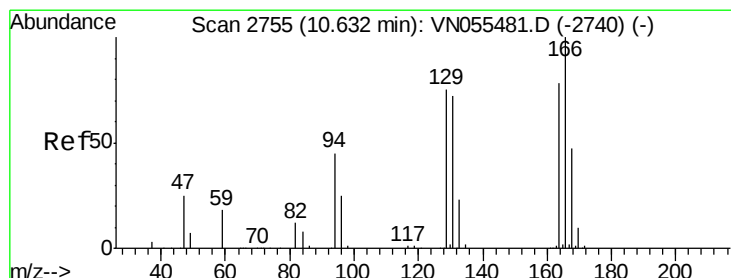
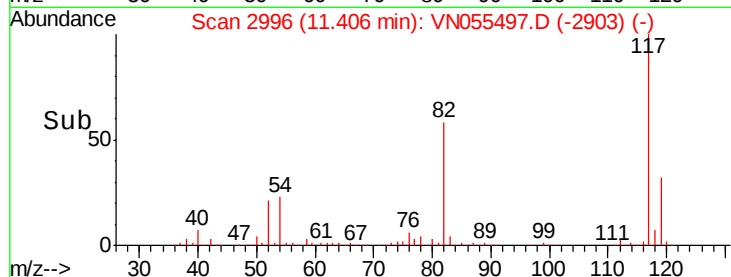
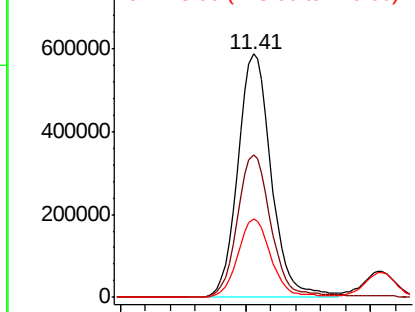
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion:117 Resp: 1085780
Ion Ratio Lower Upper
117 100
82 58.4 48.0 72.0
119 32.2 26.0 39.0

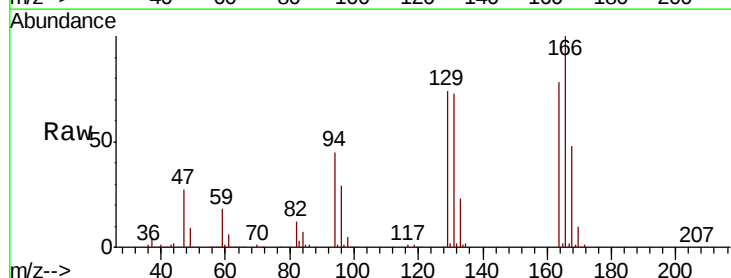


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

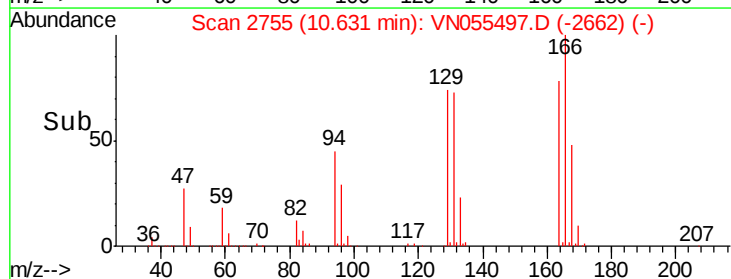
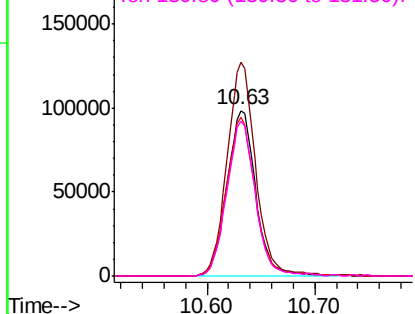


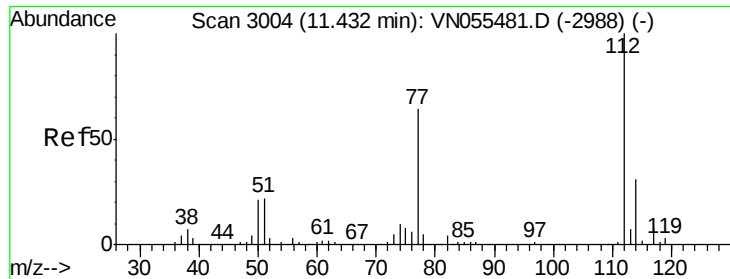
#64
Tetrachloroethene
Concen: 20.641 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion:164 Resp: 183642
Ion Ratio Lower Upper
164 100
166 128.9 102.6 153.8
129 95.9 77.0 115.6
131 93.9 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

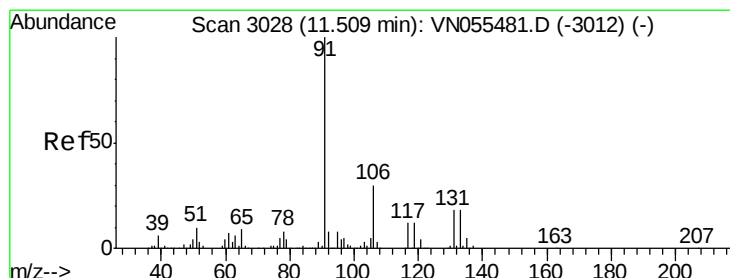
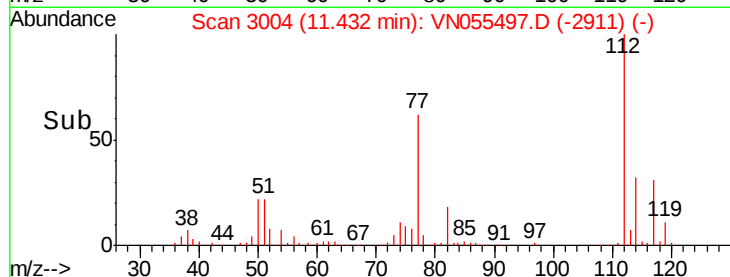
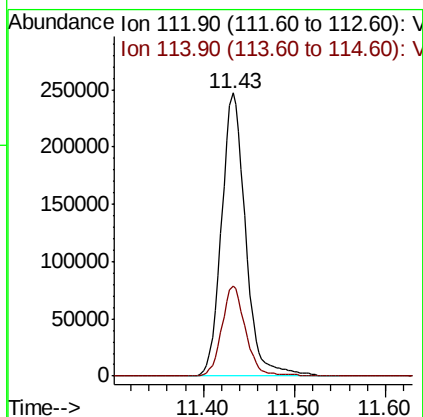
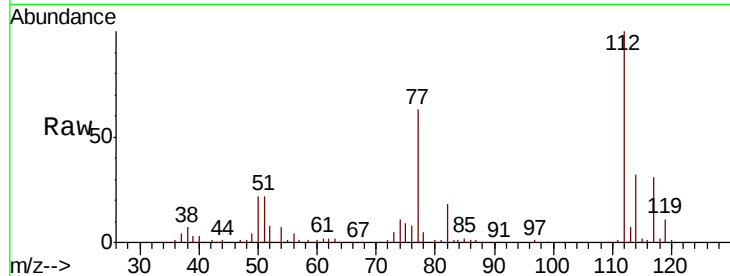




#65
Chlorobenzene
Concen: 20.304 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

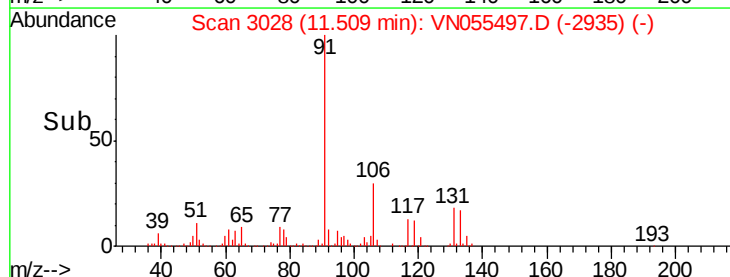
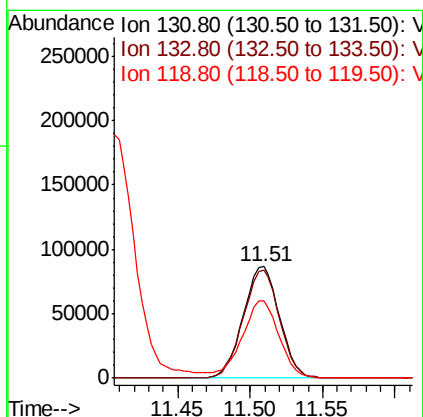
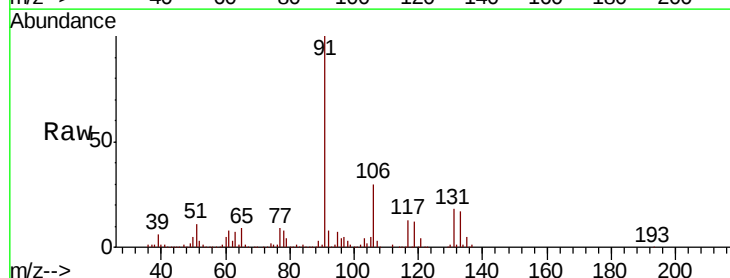
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

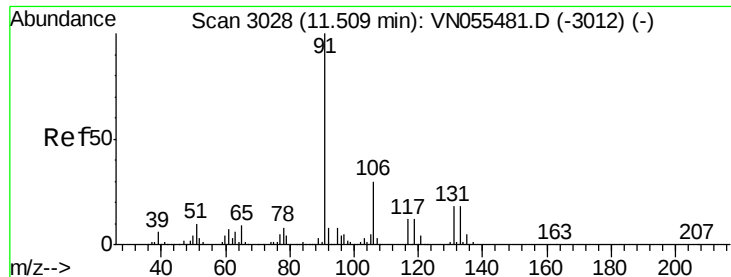
Tot Ion:112 Resp: 453547
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.662 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion:131 Resp: 151207
Ion Ratio Lower Upper
131 100
133 96.6 47.4 142.2
119 70.8 34.1 102.2





#67

Ethyl Benzene

Concen: 19.703 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

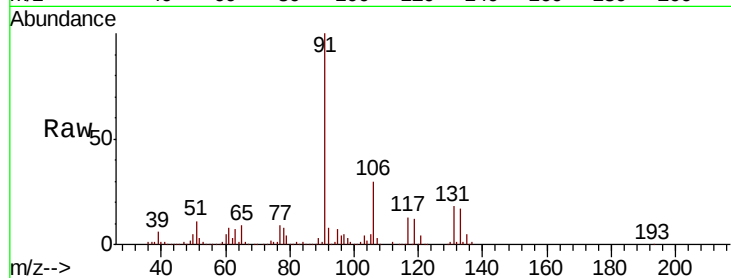
VN0509MBSD01

Tot Ion: 91 Resp: 826626

Ion Ratio Lower Upper

91 100

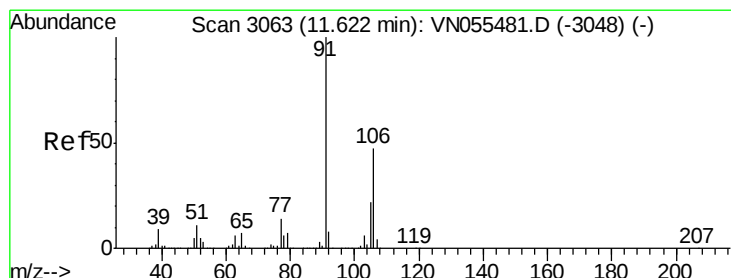
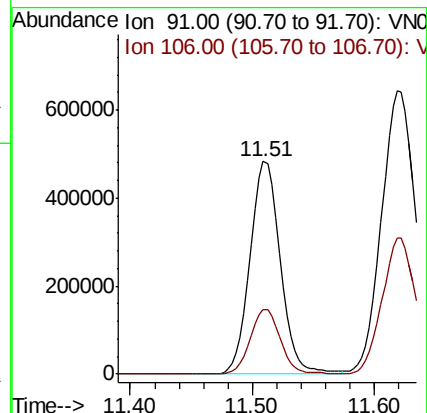
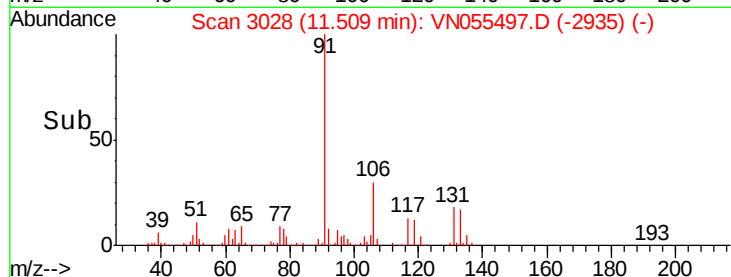
106 30.4 23.8 35.6



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

Ion 106.00 (105.70 to 106.70): VN055481.D (-3012) (-)

Time-->



#68

m/p-Xylenes

Concen: 40.456 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055497.D

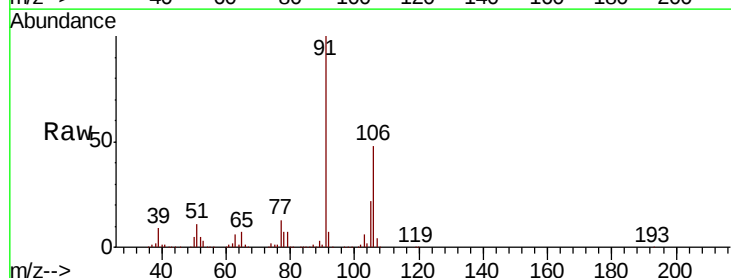
Acq: 9 May 2019 15:14

Tgt Ion: 106 Resp: 609124

Ion Ratio Lower Upper

106 100

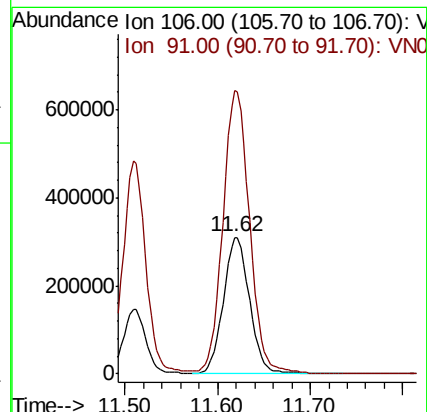
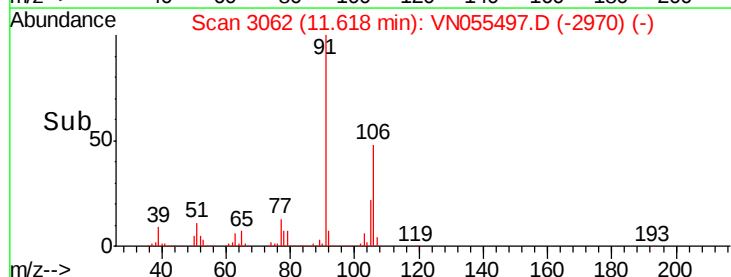
91 210.4 169.2 253.8

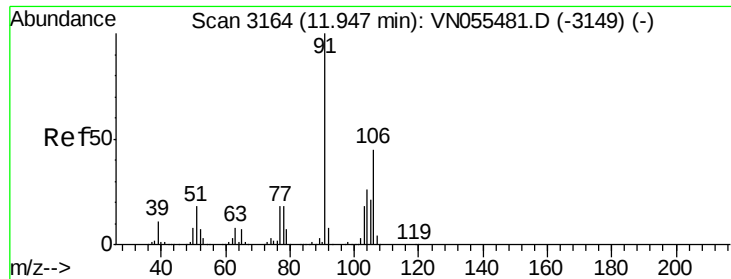


Abundance Ion 106.00 (105.70 to 106.70): VN055481.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN055481.D (-3048) (-)

Time-->

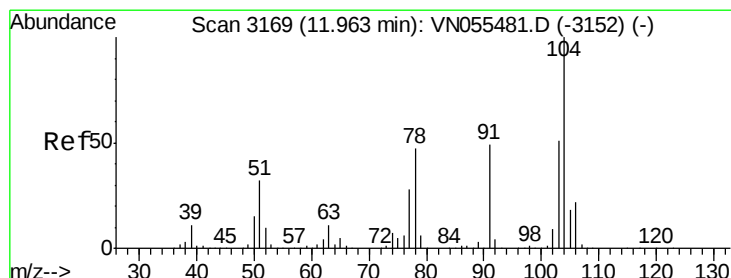
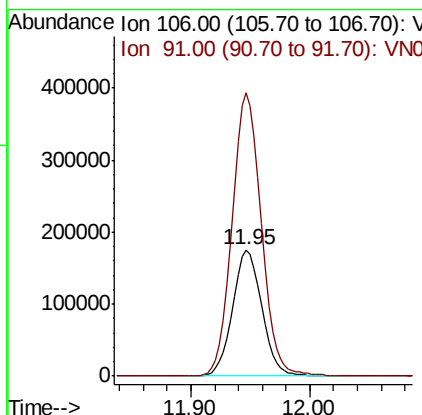
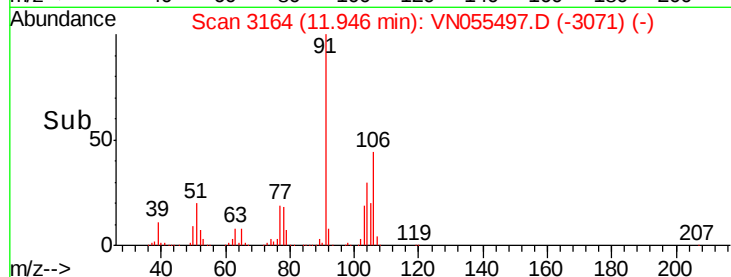
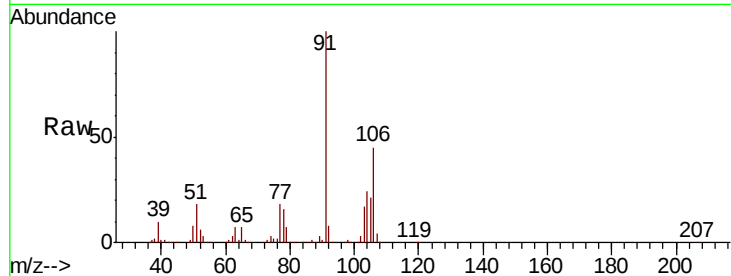




#69
o-Xylene
Concen: 20.226 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

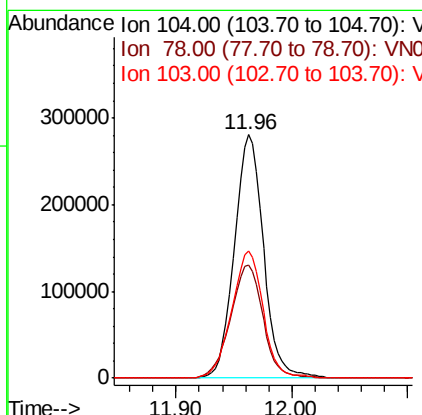
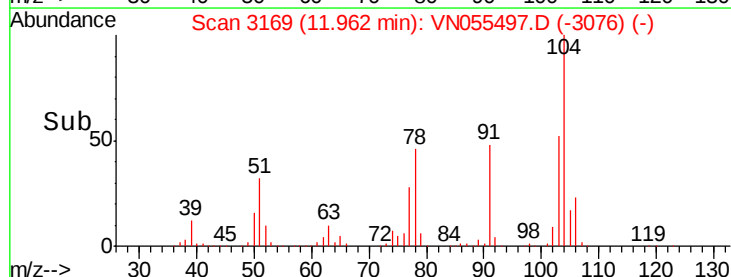
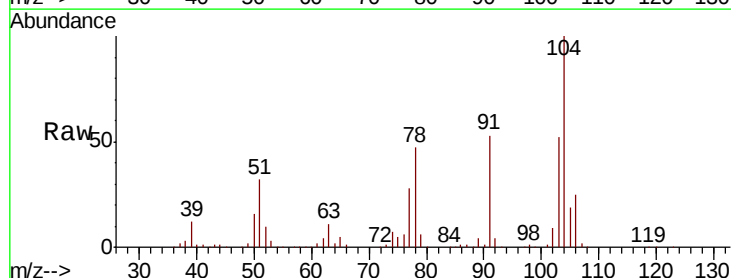
Instrument :
MSVOA_N
ClientSampled :
VN0509MBSD01

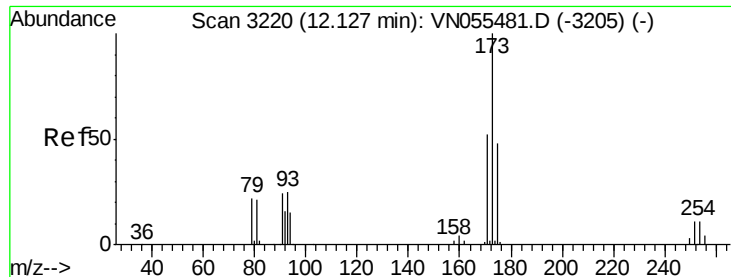
Tot Ion:106 Resp: 299319
Ion Ratio Lower Upper
106 100
91 223.5 111.3 333.8



#70
Styrene
Concen: 20.540 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion:104 Resp: 486978
Ion Ratio Lower Upper
104 100
78 51.7 41.6 62.4
103 56.3 44.4 66.6





#71

Bromoform

Concen: 18.691 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

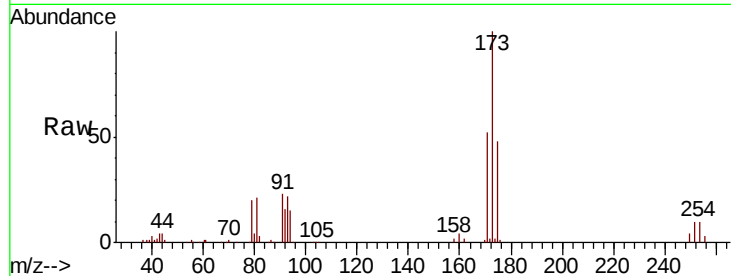
Tot Ion:173 Resp: 96998

Ion Ratio Lower Upper

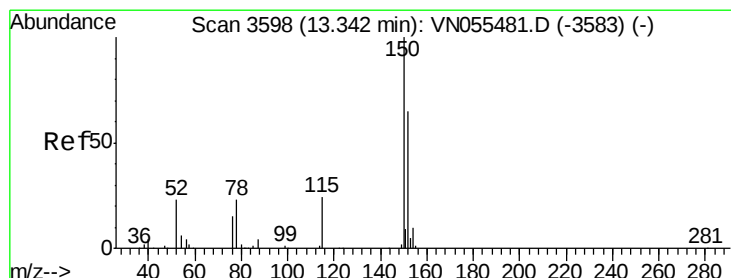
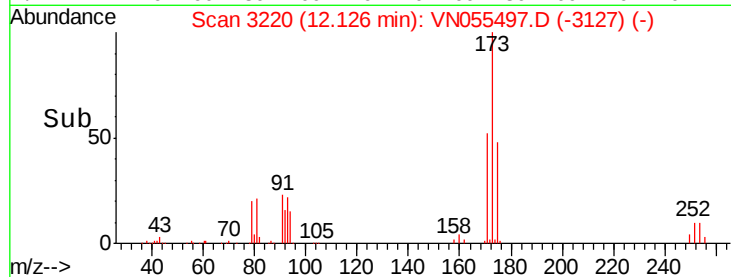
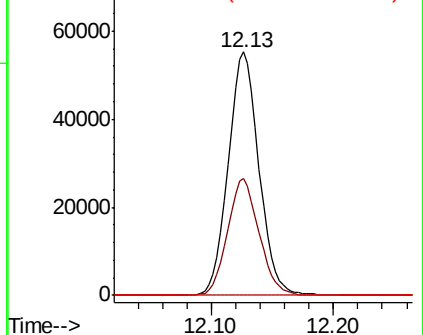
173 100

175 49.2 24.1 72.4

254 0.1 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: VN055497.D

Acq: 9 May 2019 15:14

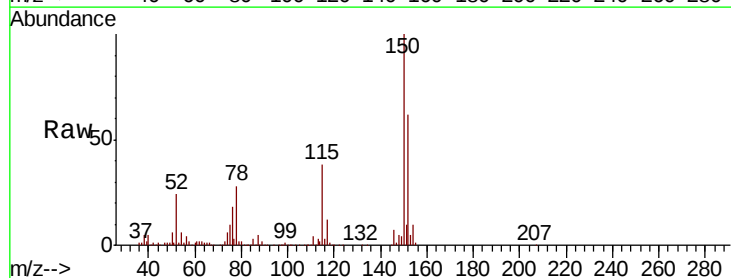
Tgt Ion:152 Resp: 418364

Ion Ratio Lower Upper

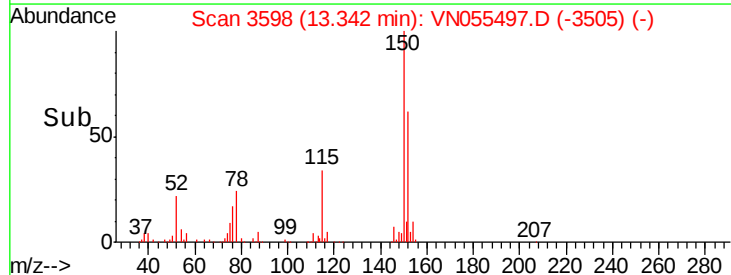
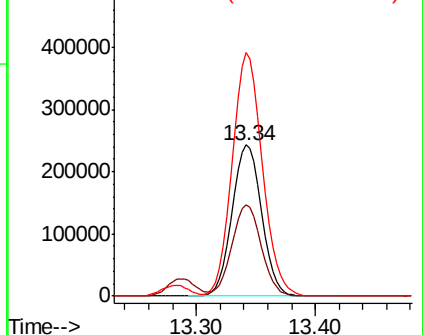
152 100

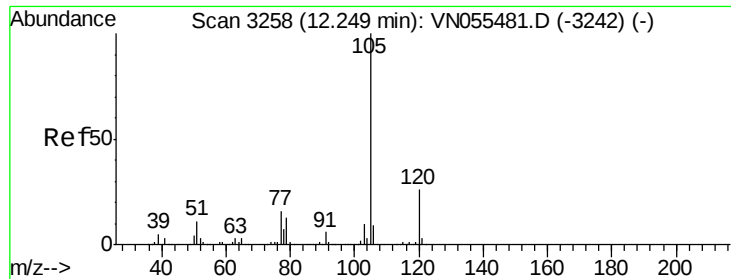
115 60.3 30.1 90.5

150 164.6 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: 21.526 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleID :

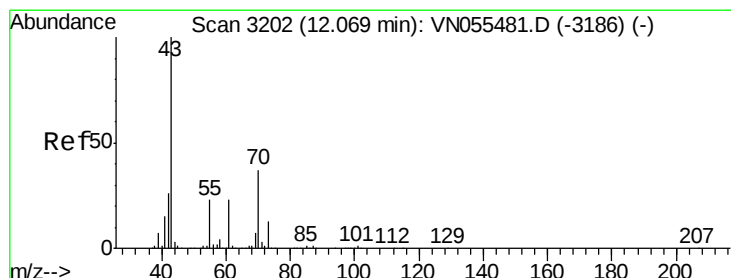
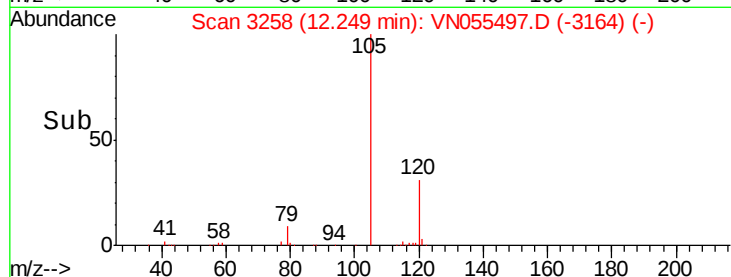
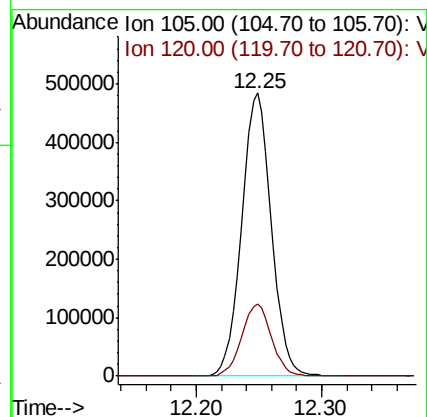
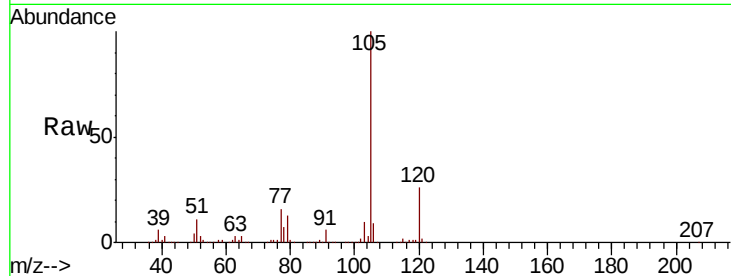
VN0509MBSD01

Tot Ion:105 Resp: 791781

Ion Ratio Lower Upper

105 100

120 25.7 13.0 39.0



#74

N-ethyl acetate

Concen: 18.558 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Tgt Ion: 43 Resp: 294768

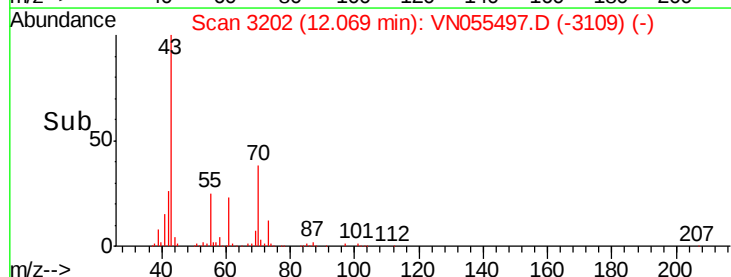
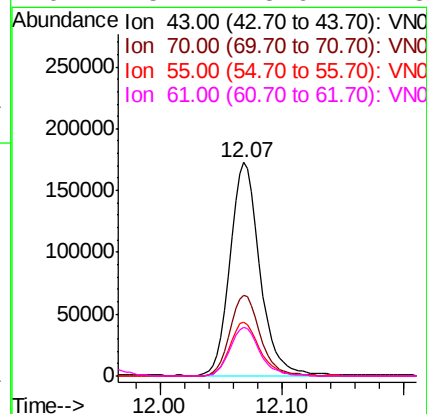
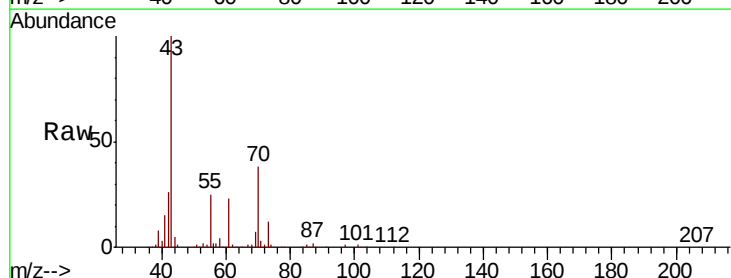
Ion Ratio Lower Upper

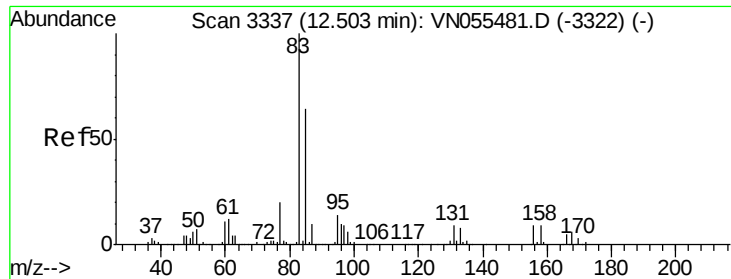
43 100

70 38.7 30.7 46.1

55 25.5 19.3 28.9

61 23.1 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.473 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

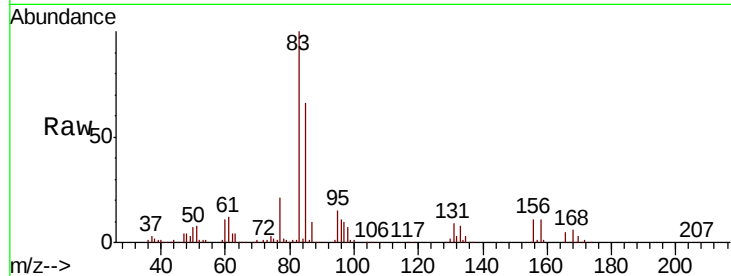
Tot Ion: 83 Resp: 245823

Ion Ratio Lower Upper

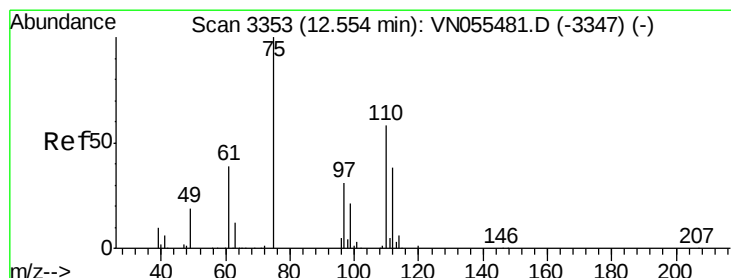
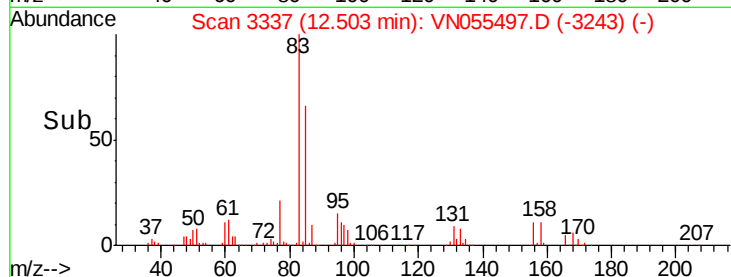
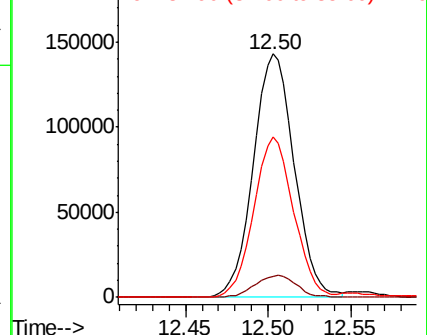
83 100

131 9.1 4.5 13.5

85 63.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.924 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055497.D

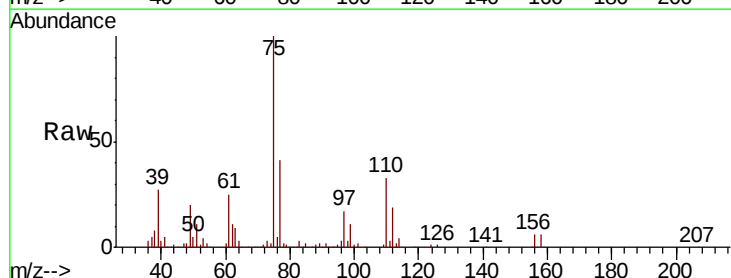
Acq: 9 May 2019 15:14

Tgt Ion: 75 Resp: 295257

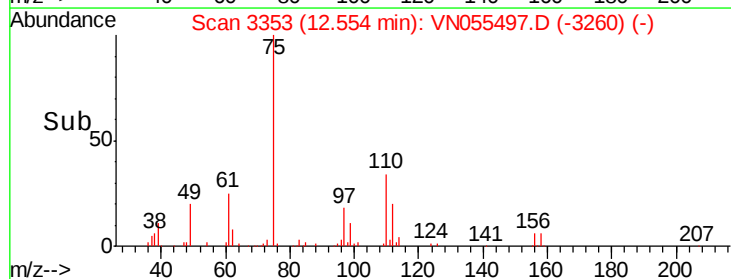
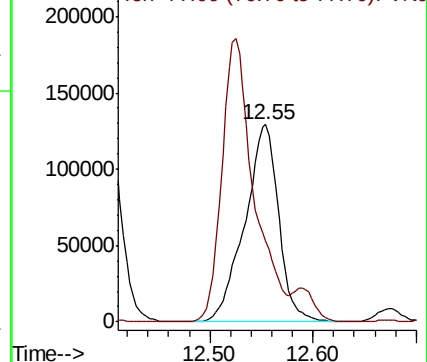
Ion Ratio Lower Upper

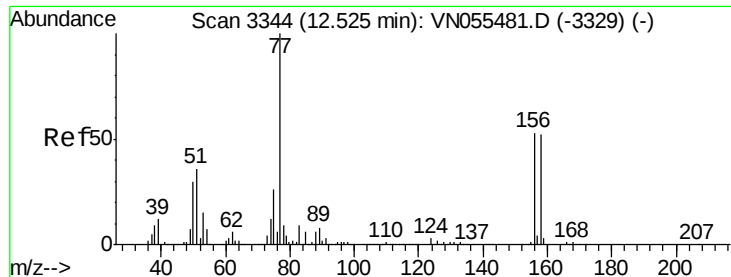
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.695 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

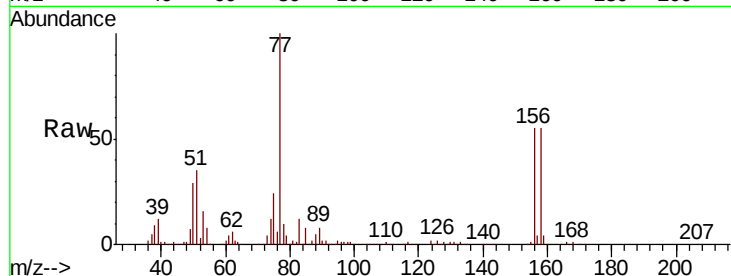
Tot Ion:156 Resp: 181586

Ion Ratio Lower Upper

156 100

77 221.3 115.4 346.2

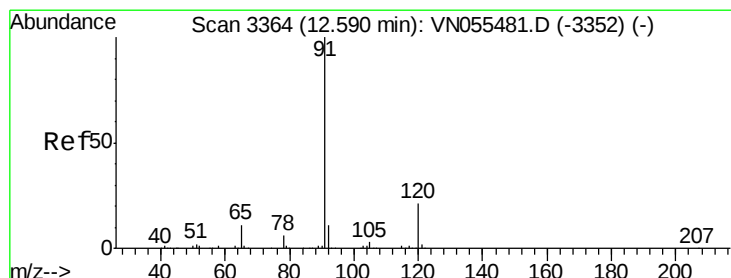
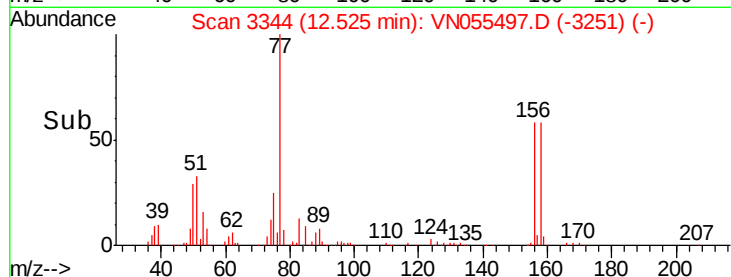
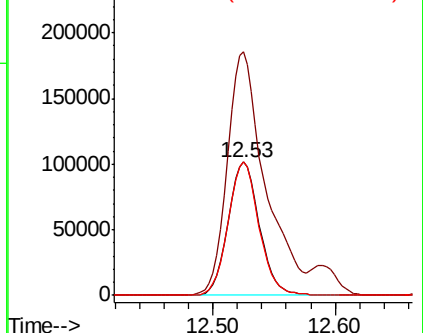
158 98.9 48.7 146.1



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: 19.797 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055497.D

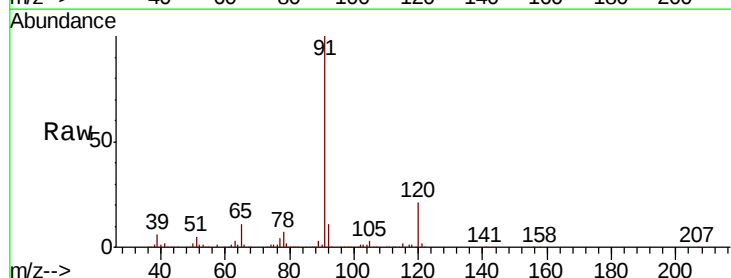
Acq: 9 May 2019 15:14

Tgt Ion: 91 Resp: 888334

Ion Ratio Lower Upper

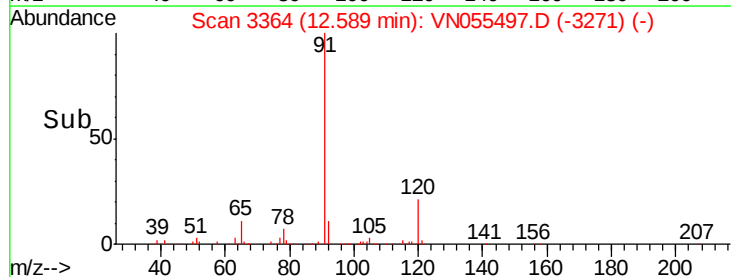
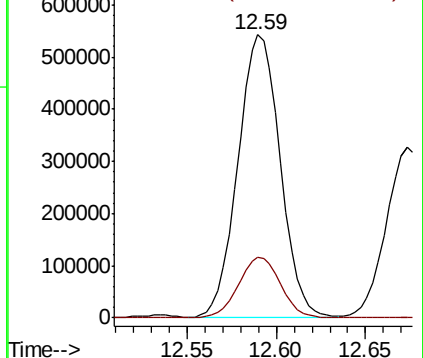
91 100

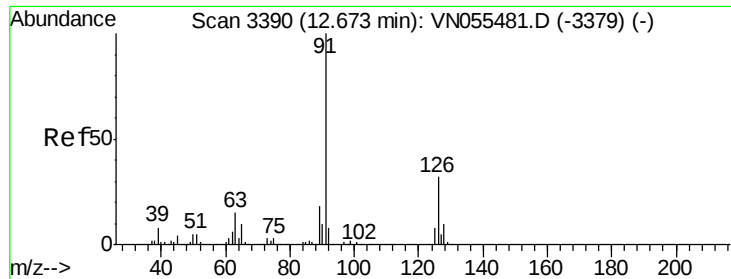
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

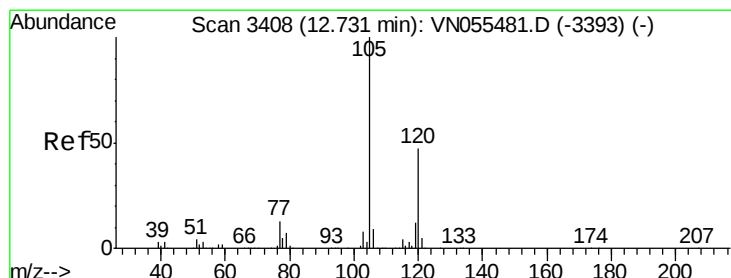
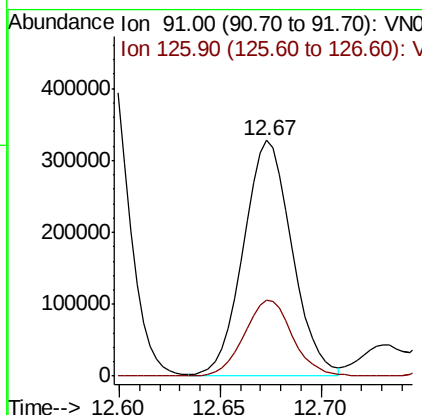
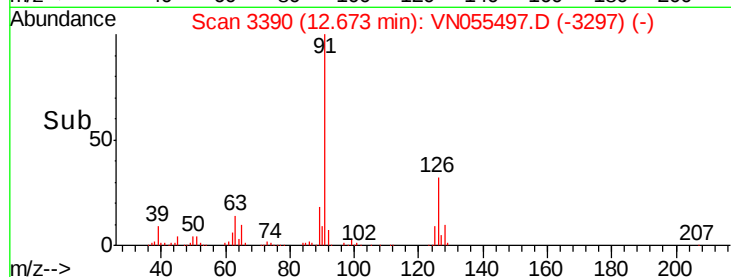
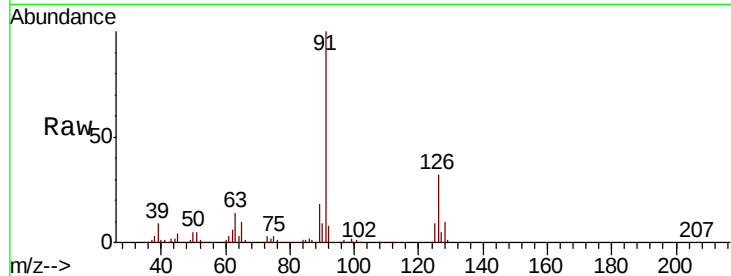




#79
 2-Chlorotoluene
 Concen: 19.661 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

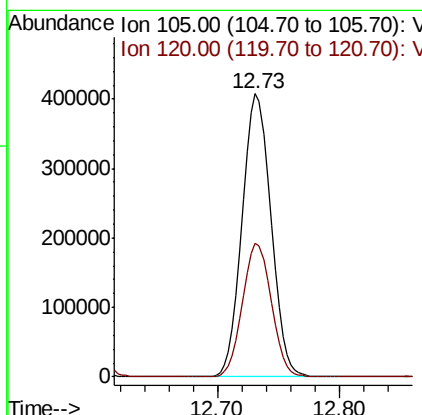
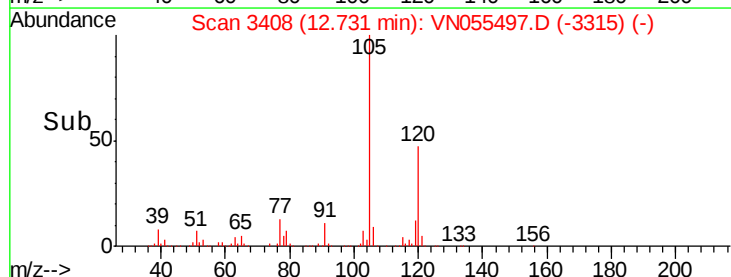
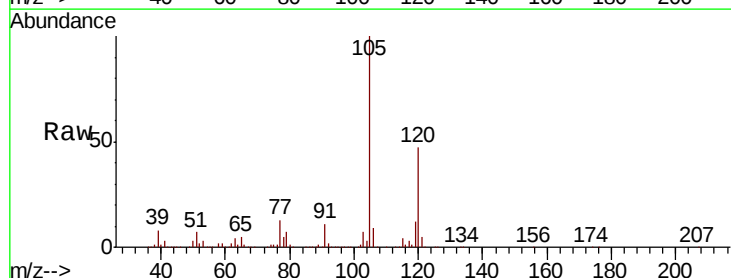
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

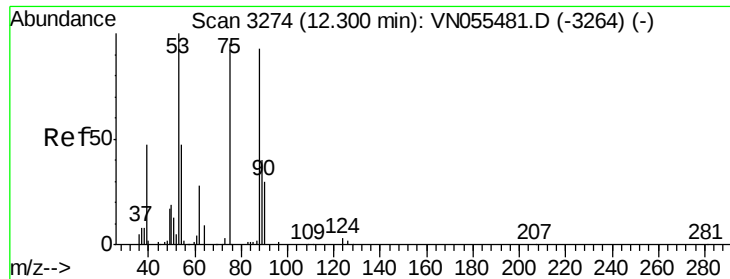
Tot Ion: 91 Resp: 549804
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.759 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion: 105 Resp: 661110
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.202 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

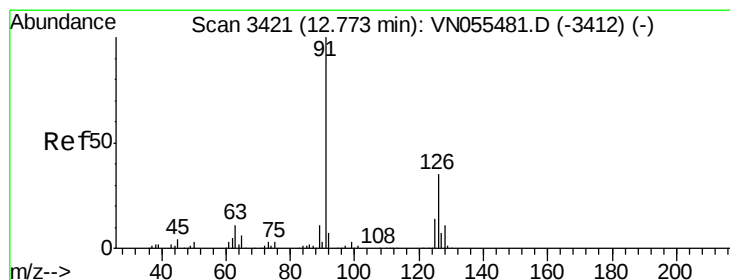
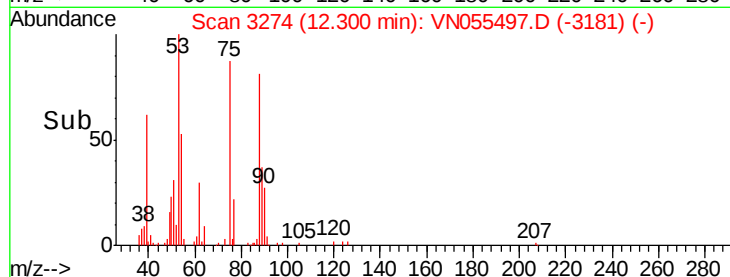
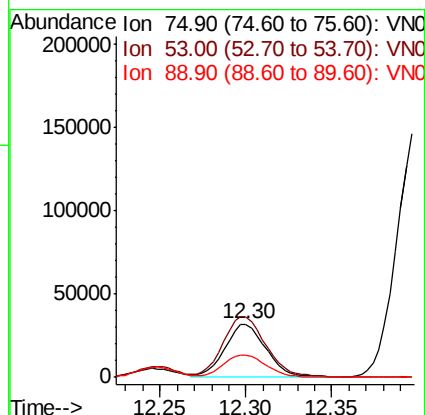
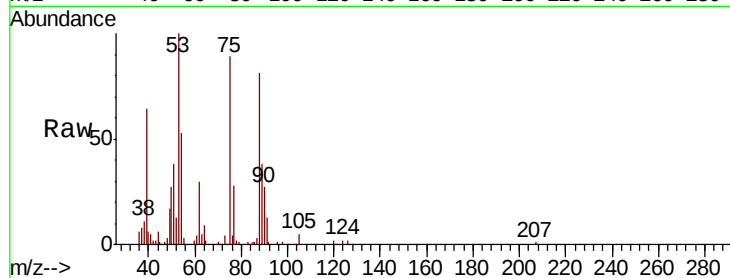
Tot Ion: 75 Resp: 53095

Ion Ratio Lower Upper

75 100

53 121.8 86.5 129.7

89 45.2 35.7 53.5



#82

4-Chlorotoluene

Concen: 19.434 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055497.D

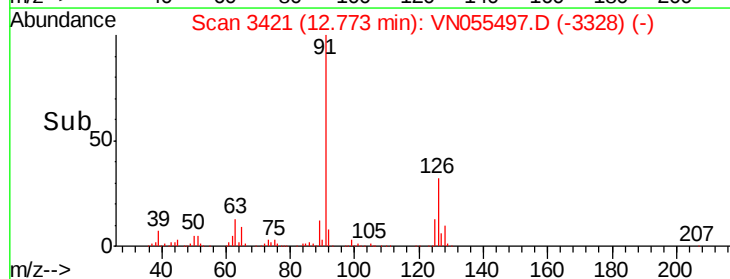
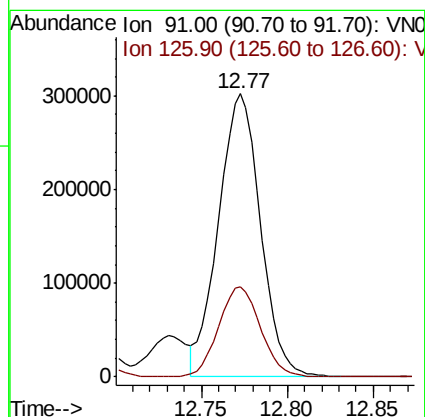
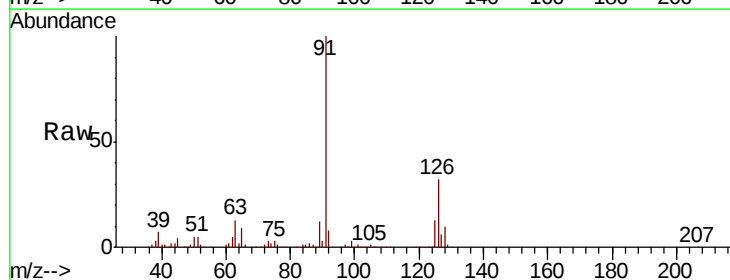
Acq: 9 May 2019 15:14

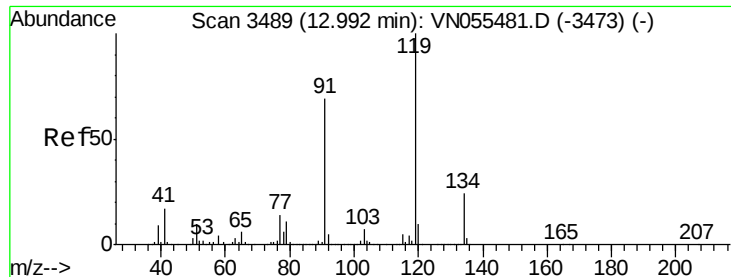
Tgt Ion: 91 Resp: 513533

Ion Ratio Lower Upper

91 100

126 32.1 15.7 47.0

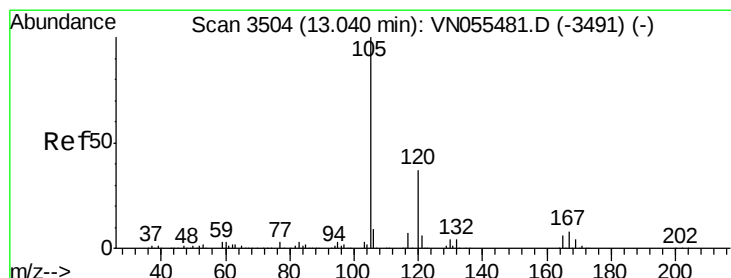
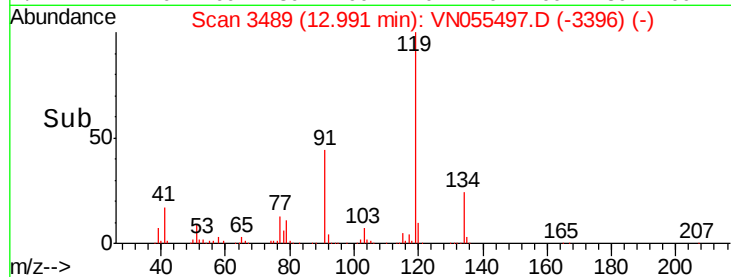
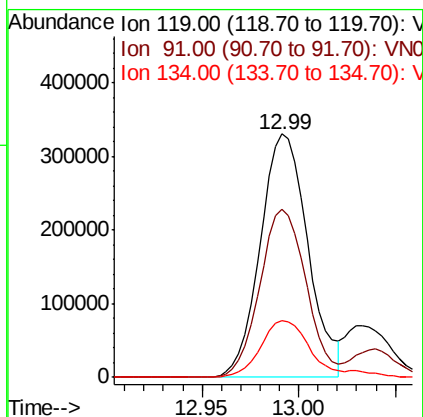
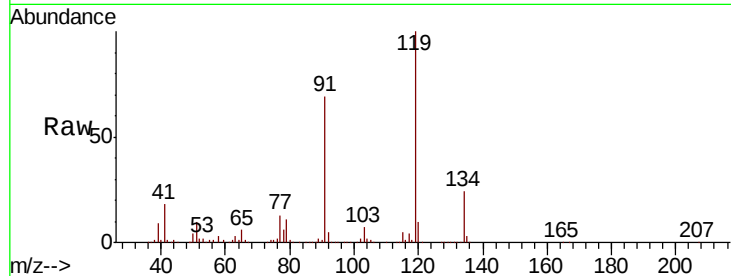




#83
tert-Butylbenzene
Concen: 19.737 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

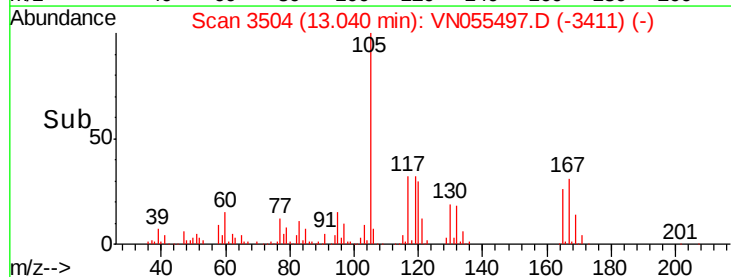
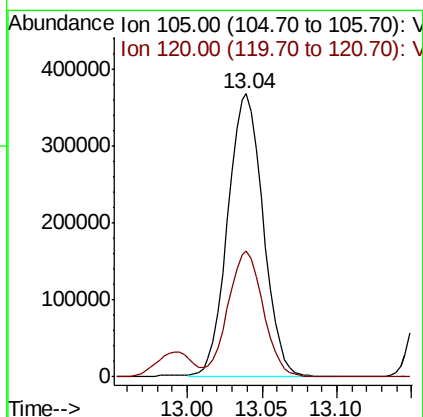
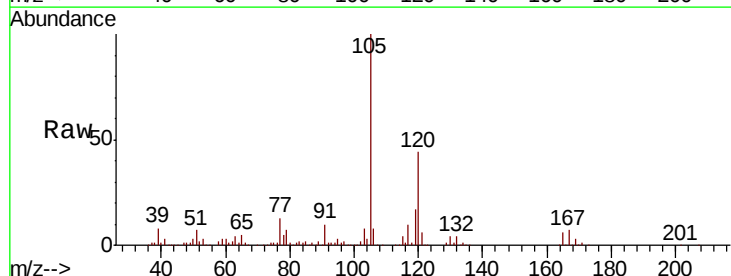
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

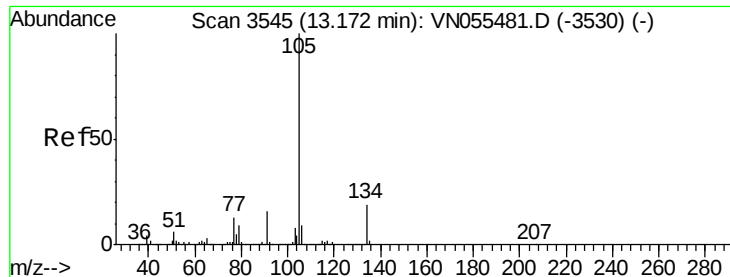
Tot Ion:119 Resp: 566031
Ion Ratio Lower Upper
119 100
91 67.0 33.8 101.3
134 23.7 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 19.694 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion:105 Resp: 604341
Ion Ratio Lower Upper
105 100
120 44.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.550 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

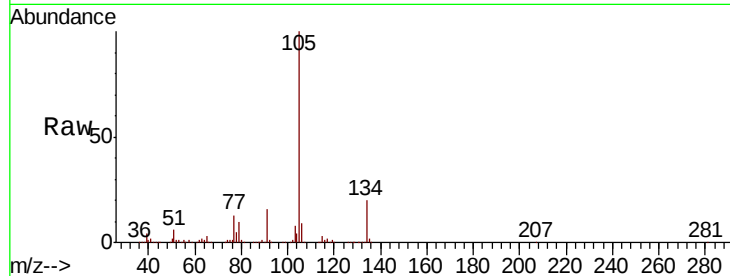
VN0509MBSD01

Tot Ion:105 Resp: 745153

Ion Ratio Lower Upper

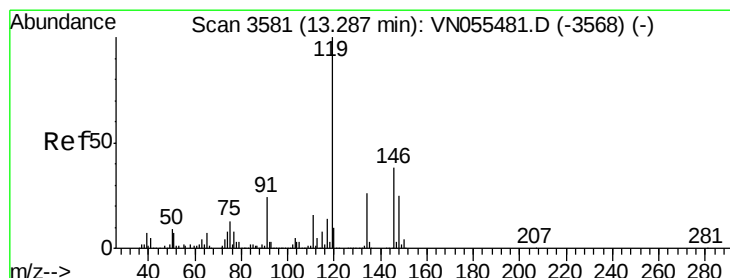
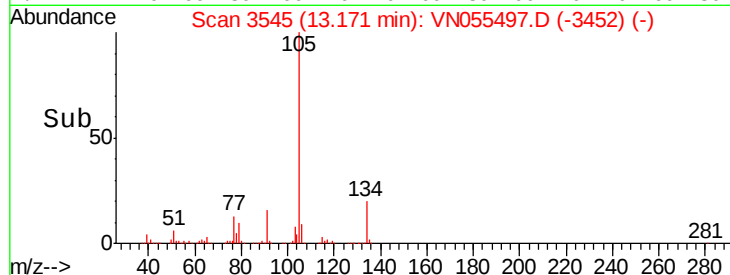
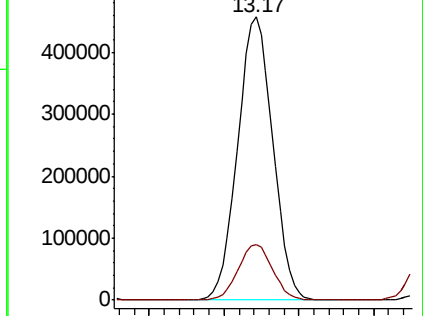
105 100

134 19.3 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.640 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

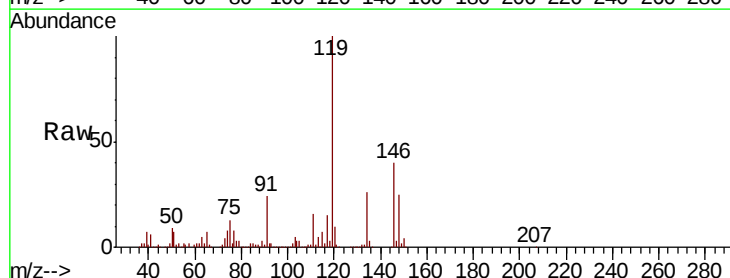
Tgt Ion:119 Resp: 609214

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

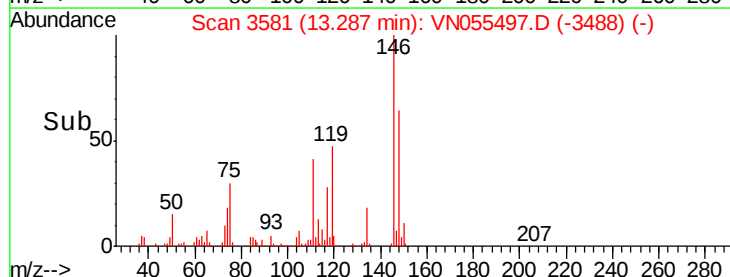
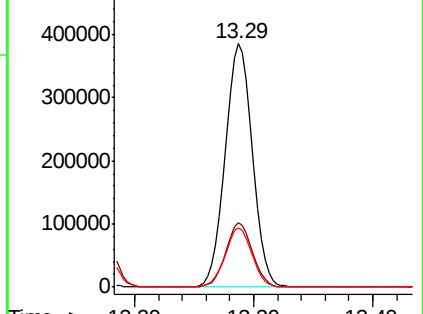
91 23.9 12.0 36.0

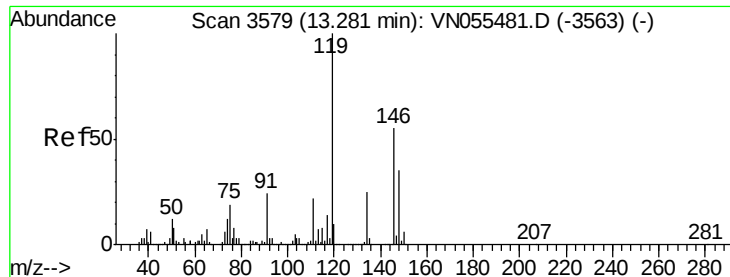


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.108 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

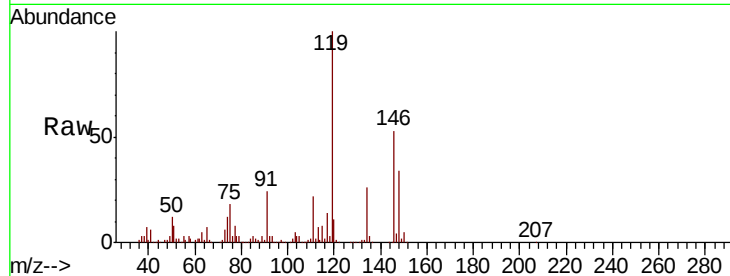
Tot Ion:146 Resp: 286471

Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

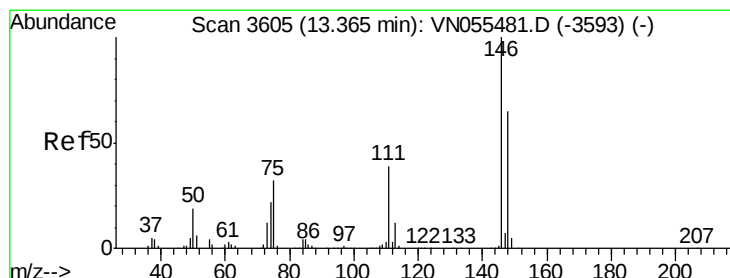
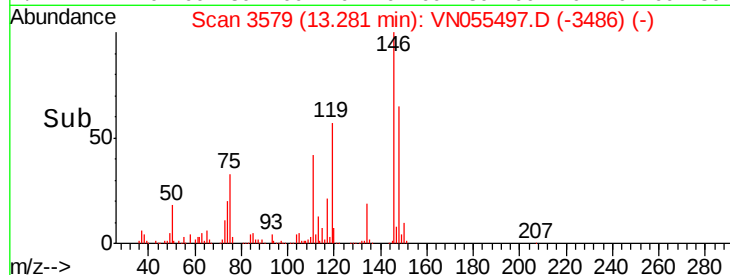
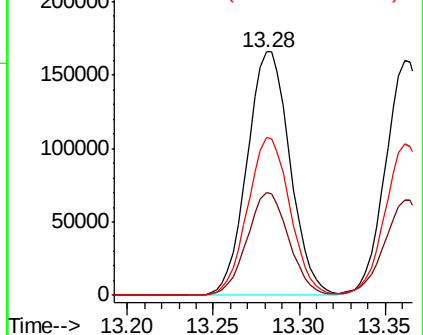
148 64.2 32.1 96.5



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: 19.590 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

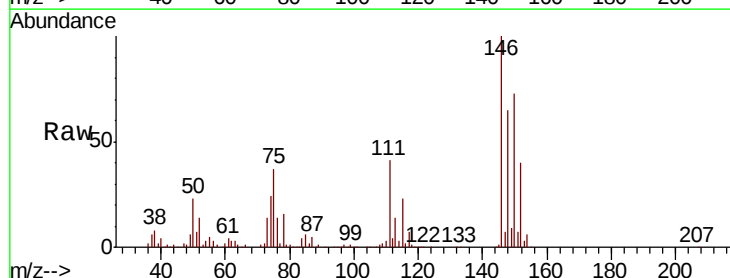
Tgt Ion:146 Resp: 275436

Ion Ratio Lower Upper

146 100

111 40.5 19.6 58.8

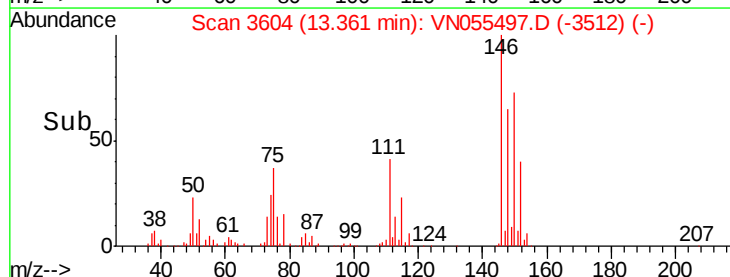
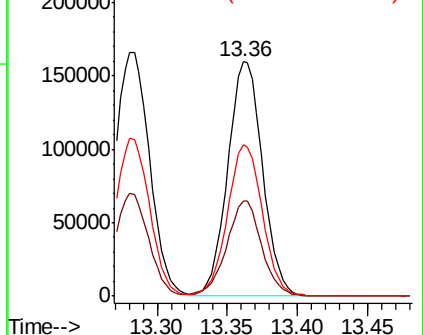
148 64.9 32.5 97.4

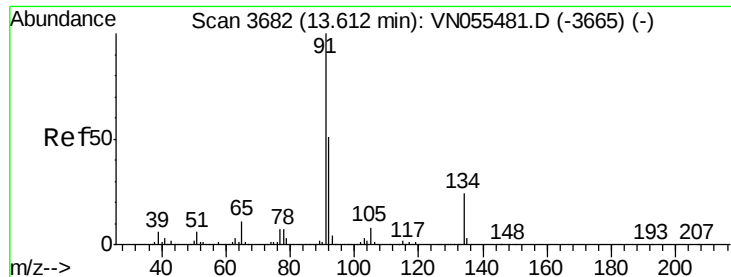


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.542 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

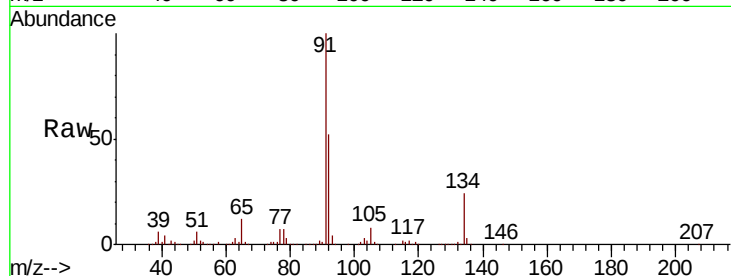
Tot Ion: 91 Resp: 445836

Ion Ratio Lower Upper

91 100

92 51.7 25.9 77.7

134 23.9 11.8 35.4

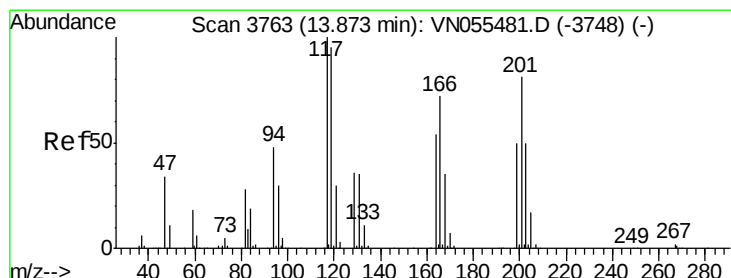
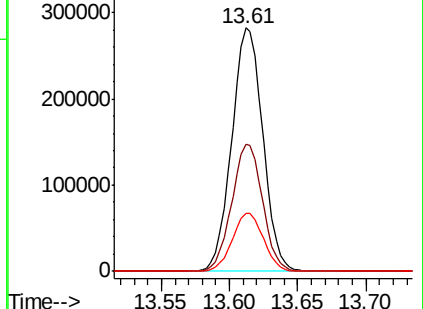
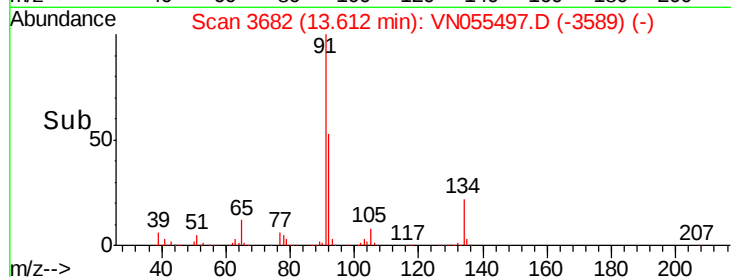


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 18.032 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055497.D

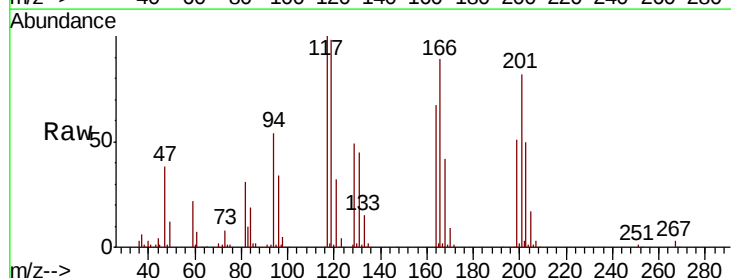
Acq: 9 May 2019 15:14

Tgt Ion: 117 Resp: 91245

Ion Ratio Lower Upper

117 100

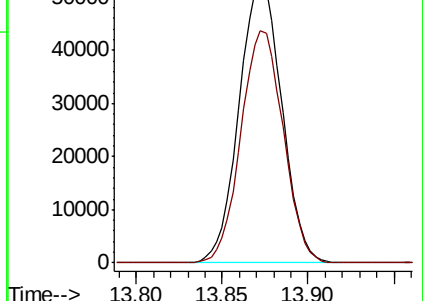
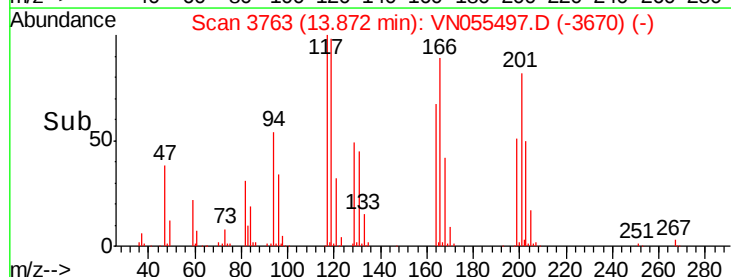
201 81.6 40.1 120.2

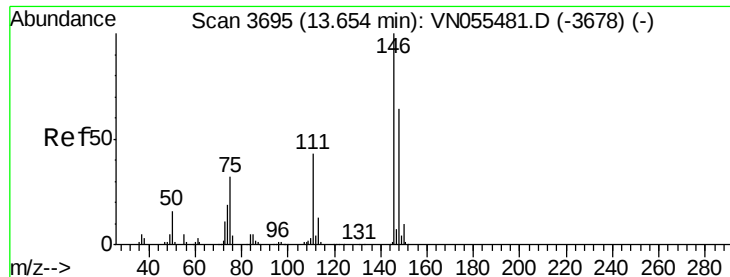


Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)

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

Time-->

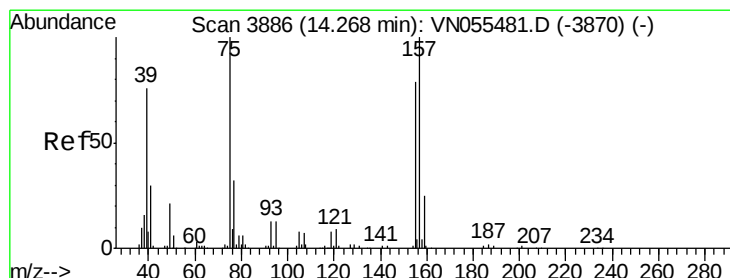
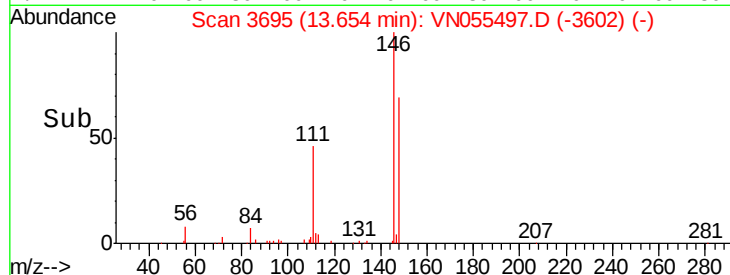
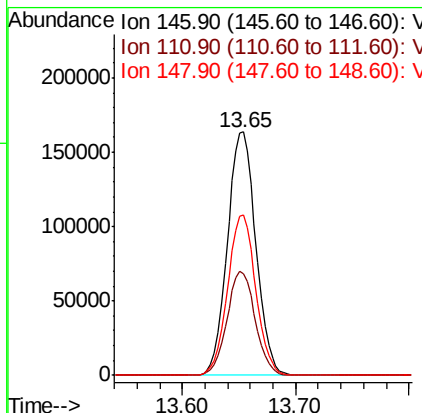
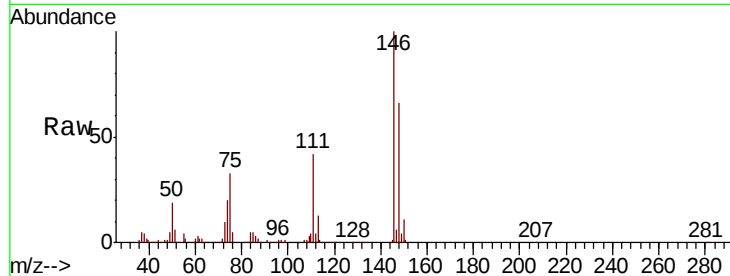




#91
 1,2-Dichlorobenzene
 Concen: 20.085 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

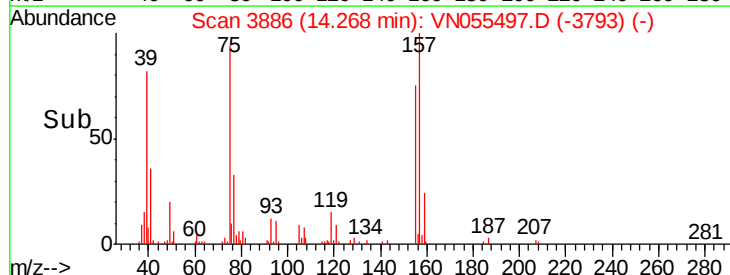
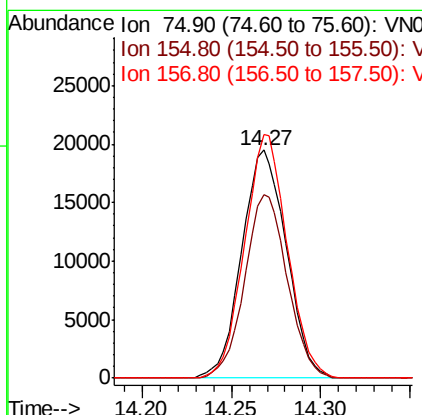
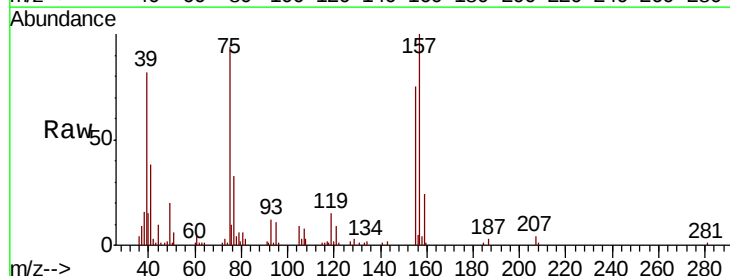
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

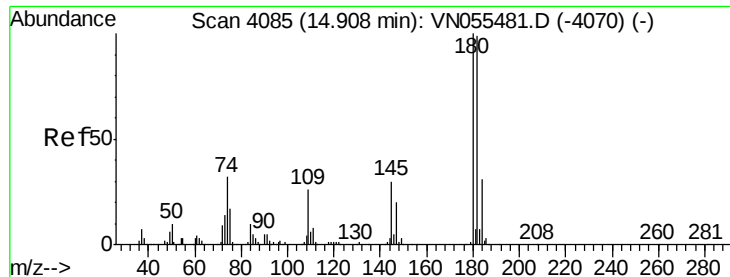
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.7
148	65.2	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.714 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	39.3	117.8
157	102.3	50.6	151.8

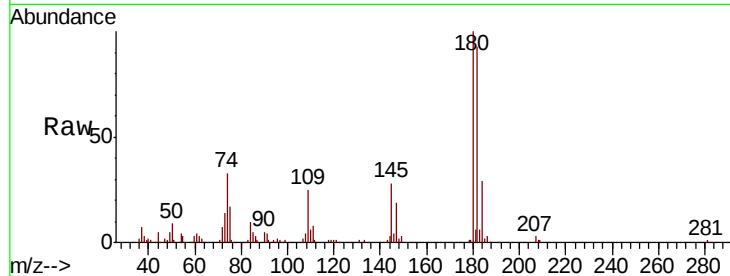




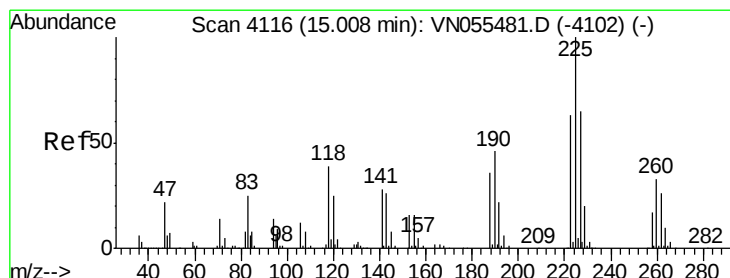
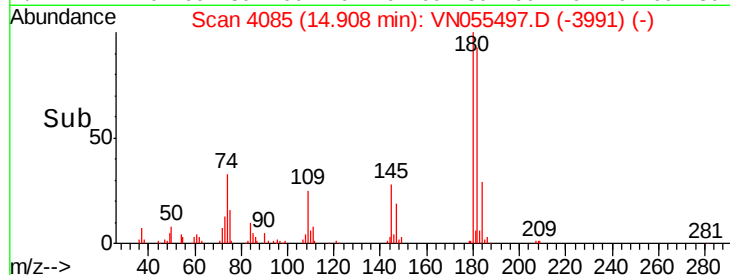
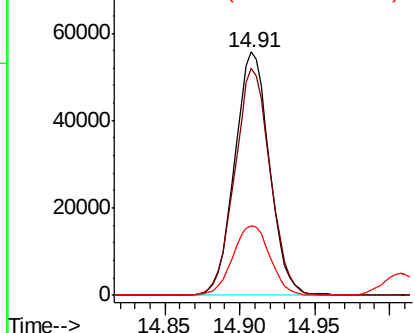
#93
 1,2,4-Trichlorobenzene
 Concen: 16.837 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509MBSD01

Tot Ion:180 Resp: 90302
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.7 146.1
 145 30.6 15.3 45.9

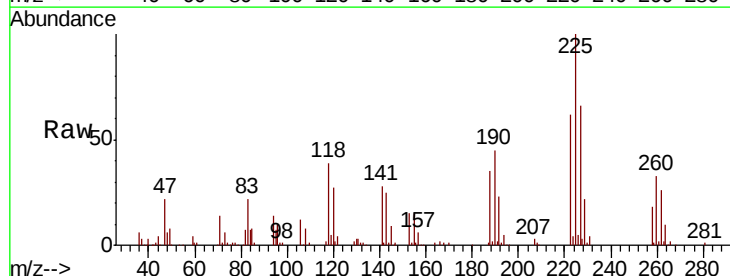


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

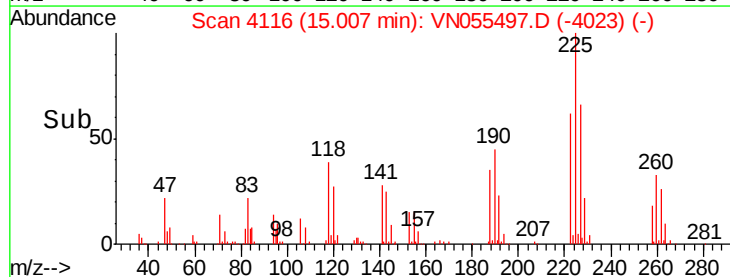
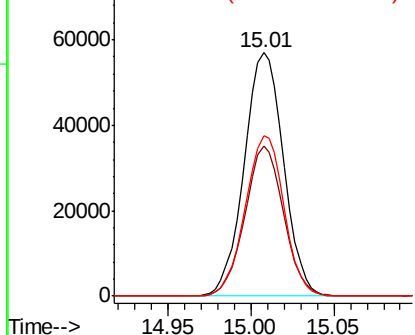


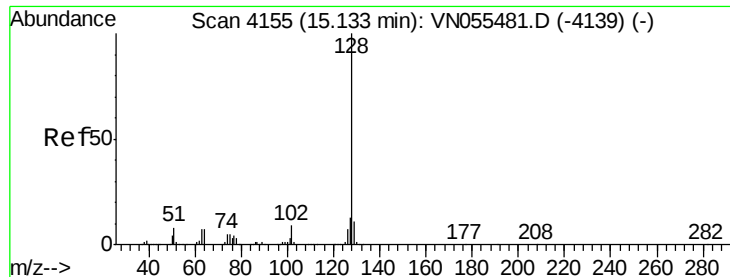
#94
 Hexachlorobutadiene
 Concen: 21.053 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion:225 Resp: 94391
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.4 94.3
 227 64.9 32.0 96.0



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





#95

Naphthalene

Concen: 16.237 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

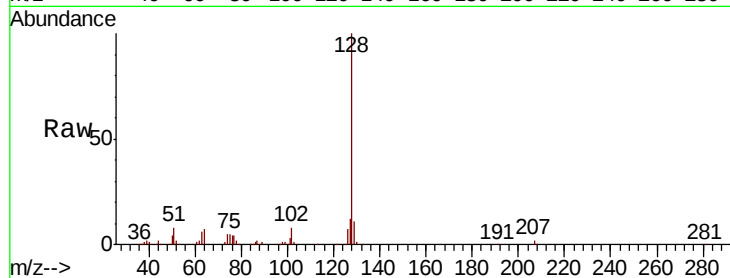
Tot Ion:128 Resp: 246476

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

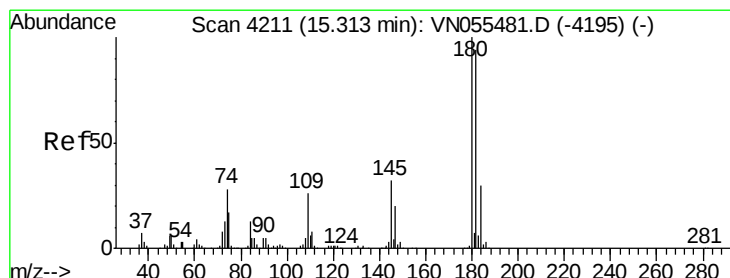
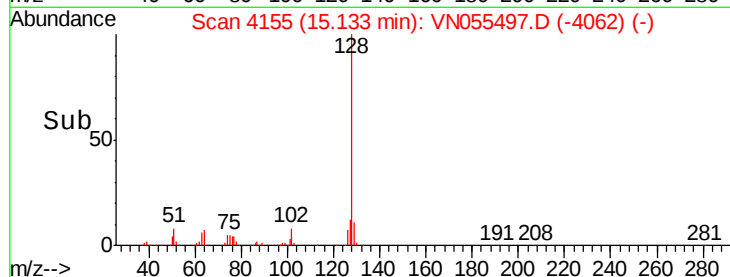
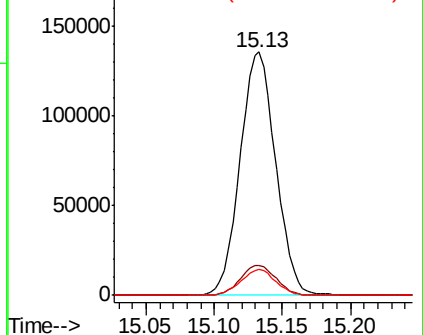
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.662 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

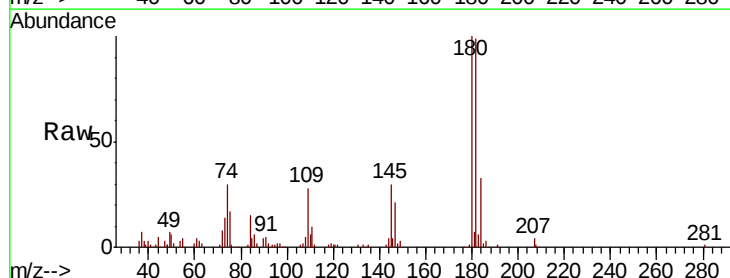
Tgt Ion:180 Resp: 100462

Ion Ratio Lower Upper

180 100

182 95.2 47.1 141.3

145 30.9 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

