

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055574.D
 Acq On : 13 May 2019 12:53
 Operator : JC/SP
 Sample : VN0513MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBSD01

Quant Time: May 14 01:48:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	733481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1263511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1122483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	461856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	515739	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
35) Dibromofluoromethane	7.59	113	404078	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	10.09	98	1562301	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.40	95	540793	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	126639	16.958	ug/l	98
3) Chloromethane	2.06	50	201827	16.636	ug/l	98
4) Vinyl Chloride	2.19	62	202719	17.701	ug/l	100
5) Bromomethane	2.57	94	122082	19.456	ug/l	100
6) Chloroethane	2.71	64	125442	18.805	ug/l	99
7) Trichlorofluoromethane	3.02	101	237377	18.894	ug/l	100
8) Diethyl Ether	3.41	74	110465	19.578	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	154719	19.356	ug/l	98
10) Methyl Iodide	3.95	142	181535	16.803	ug/l	99
11) Tert butyl alcohol	4.80	59	111034	68.093	ug/l	96
12) 1,1-Dichloroethene	3.73	96	154136	19.227	ug/l	98
13) Acrolein	3.61	56	92011	84.666	ug/l	99
14) Allyl chloride	4.32	41	291203	17.733	ug/l	98
15) Acrylonitrile	4.99	53	441734	87.486	ug/l	99
16) Acetone	3.82	43	377149	73.754	ug/l	97
17) Carbon Disulfide	4.05	76	383079	17.509	ug/l	98
18) Methyl Acetate	4.33	43	191052	17.076	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	503862	18.916	ug/l	97
20) Methylene Chloride	4.55	84	186564	17.842	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	166851	19.197	ug/l	94
22) Diisopropyl ether	5.96	45	627115	18.792	ug/l	97
23) Vinyl Acetate	5.90	43	2308360	89.446	ug/l	99
24) 1,1-Dichloroethane	5.85	63	339170	18.828	ug/l	99
25) 2-Butanone	6.84	43	566775	80.236	ug/l	99
26) 2,2-Dichloropropane	6.82	77	209143	18.624	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	195991	19.512	ug/l	98
28) Bromochloromethane	7.19	49	182537	19.512	ug/l	94
29) Tetrahydrofuran	7.22	42	385351	82.520	ug/l	98
30) Chloroform	7.37	83	316260	18.991	ug/l	97
31) Cyclohexane	7.65	56	321753	18.052	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	244636	19.291	ug/l	100
36) 1,1-Dichloropropene	7.79	75	240465	19.318	ug/l	98
37) Ethyl Acetate	6.93	43	238179	17.541	ug/l	99
38) Carbon Tetrachloride	7.77	117	197820	18.873	ug/l	99

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 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	278715	18.364	ug/l	98
40) Benzene	8.04	78	751984	19.465	ug/l	100
41) Methacrylonitrile	7.18	41	110289	17.500	ug/l	96
42) 1,2-Dichloroethane	8.12	62	252228	18.583	ug/l	99
43) Isopropyl Acetate	8.17	43	364064	17.648	ug/l	97
44) Trichloroethene	8.84	130	184993	20.125	ug/l	94
45) 1,2-Dichloropropane	9.12	63	211336	19.119	ug/l	99
46) Dibromomethane	9.21	93	124671	19.458	ug/l	99
47) Bromodichloromethane	9.40	83	232636	18.979	ug/l	100
48) Methyl methacrylate	9.20	41	171019	17.207	ug/l	96
49) 1,4-Dioxane	9.20	88	49394	254.979	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1153160	84.995	ug/l	97
52) Toluene	10.16	92	437171	19.794	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	227970	19.365	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	274905	19.542	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	175364	19.597	ug/l	98
56) Ethyl methacrylate	10.43	69	248771	18.690	ug/l	96
57) 1,3-Dichloropropane	10.71	76	311639	19.616	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	309715	78.174	ug/l	98
59) 2-Hexanone	10.75	43	771684	81.104	ug/l	100
60) Dibromochloromethane	10.90	129	158410	19.470	ug/l	100
61) 1,2-Dibromoethane	11.00	107	164951	19.185	ug/l	97
64) Tetrachloroethene	10.63	164	174007	18.919	ug/l	98
65) Chlorobenzene	11.43	112	458830	19.868	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	155603	19.572	ug/l	100
67) Ethyl Benzene	11.51	91	836286	19.281	ug/l	99
68) m/p-Xylenes	11.62	106	616403	39.601	ug/l	95
69) o-Xylene	11.95	106	294578	19.255	ug/l	99
70) Styrene	11.96	104	496995	20.277	ug/l	99
71) Bromoform	12.13	173	104442	19.468	ug/l #	98
73) Isopropylbenzene	12.25	105	792740	19.277	ug/l	100
74) N-amyl acetate	12.07	43	274804	15.672	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	239948	17.804	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	292749	23.283	ug/l #	100
77) Bromobenzene	12.53	156	508358	49.945	ug/l #	19
78) n-propylbenzene	12.59	91	885902	17.884	ug/l	99
79) 2-Chlorotoluene	12.67	91	535741	17.354	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	681137	18.440	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51795	15.200	ug/l	95
82) 4-Chlorotoluene	12.77	91	525367	18.010	ug/l	98
83) tert-Butylbenzene	12.99	119	551846	17.430	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	628243	18.545	ug/l	100
85) sec-Butylbenzene	13.17	105	737787	17.534	ug/l	99
86) p-Isopropyltoluene	13.29	119	632746	18.477	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	298114	18.954	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	293633	18.918	ug/l	100
89) n-Butylbenzene	13.62	91	505633	19.049	ug/l	99
90) Hexachloroethane	13.87	117	96450	17.266	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	307921	19.589	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36728	17.293	ug/l	96

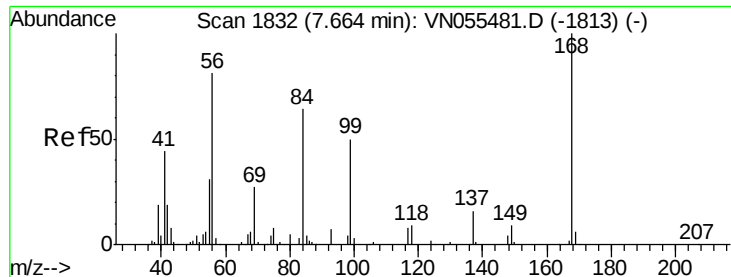
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055574.D
Acq On : 13 May 2019 12:53
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143259	22.795	ug/l	96
94) Hexachlorobutadiene	15.01	225	95787	19.155	ug/l	97
95) Naphthalene	15.13	128	389652	21.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	160902	23.081	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

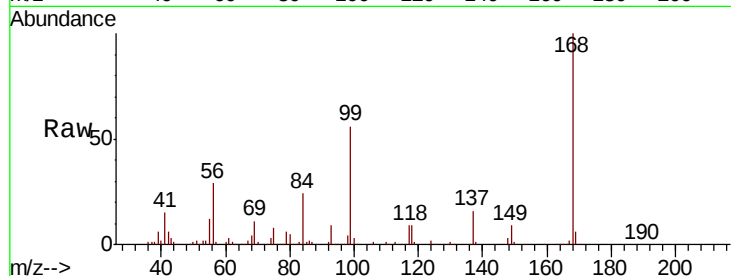
VN0513MBSD01

Tot Ion:168 Resp: 733481

Ion Ratio Lower Upper

168 100

99 55.4 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

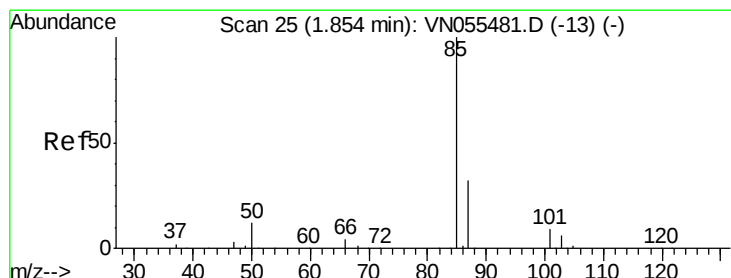
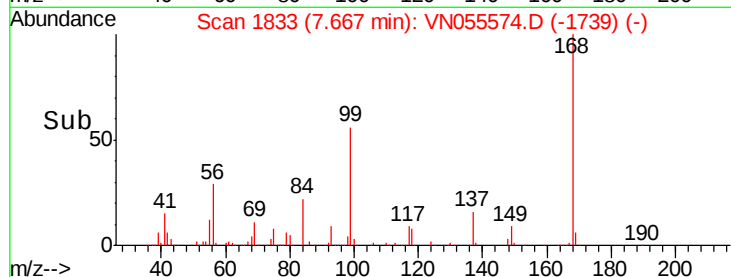
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.958 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055574.D

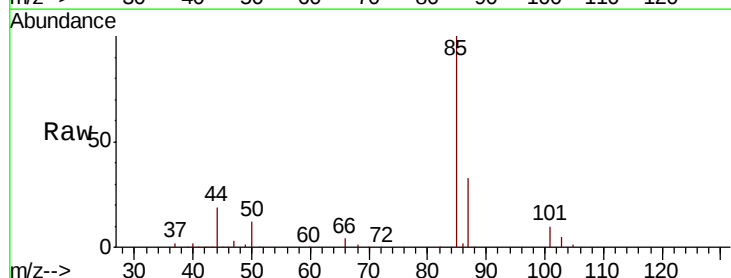
Acq: 13 May 2019 12:53

Tgt Ion: 85 Resp: 126639

Ion Ratio Lower Upper

85 100

87 33.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

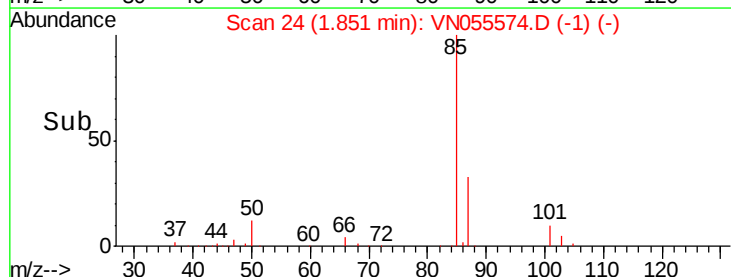
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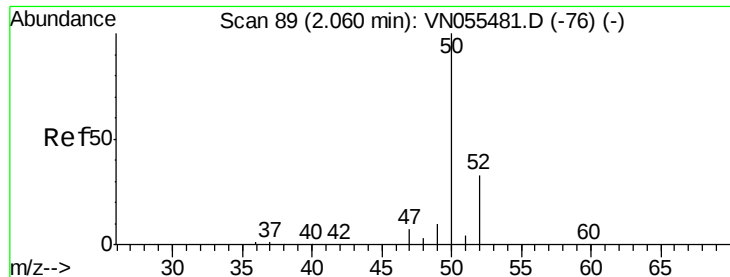
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.636 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

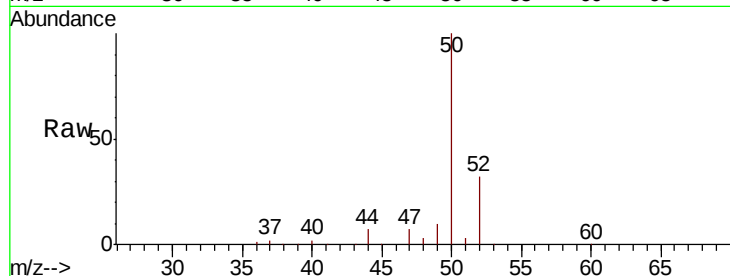
VN0513MBSD01

Tot Ion: 50 Resp: 201827

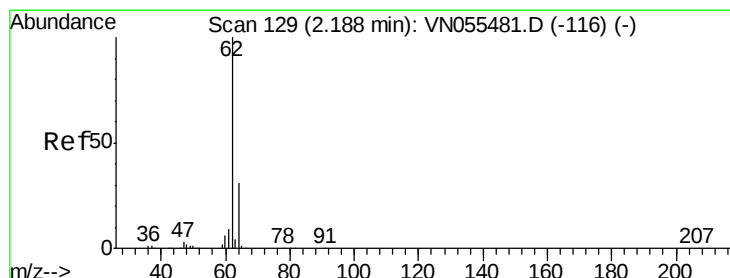
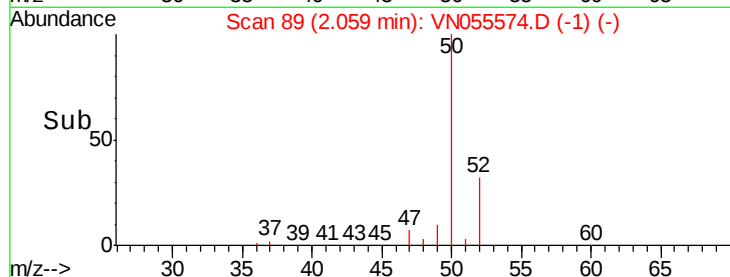
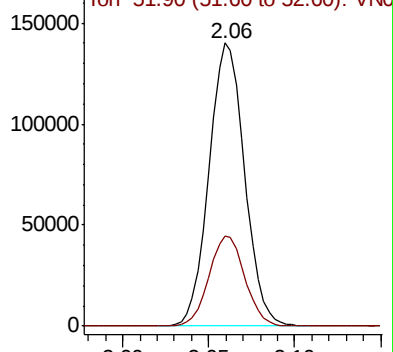
Ion Ratio Lower Upper

50 100

52 32.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN055481.D (-76) (-)



#4

Vinyl Chloride

Concen: 17.701 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055574.D

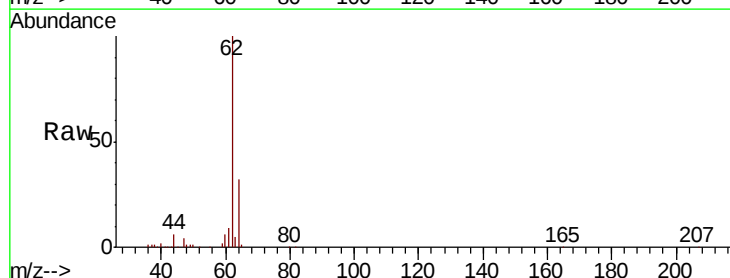
Acq: 13 May 2019 12:53

Tgt Ion: 62 Resp: 202719

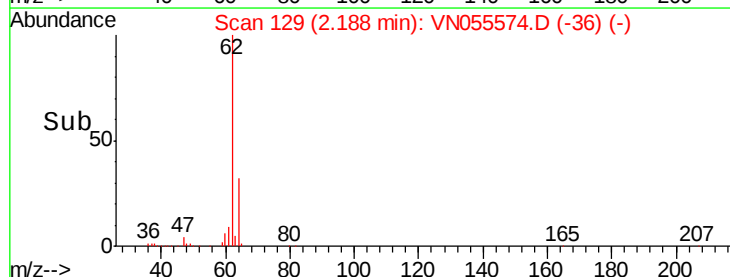
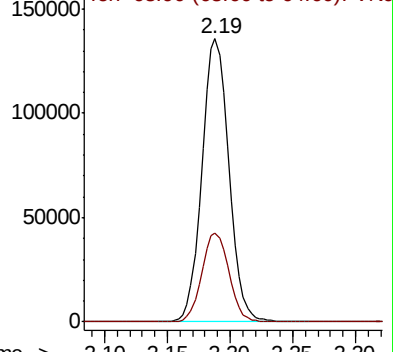
Ion Ratio Lower Upper

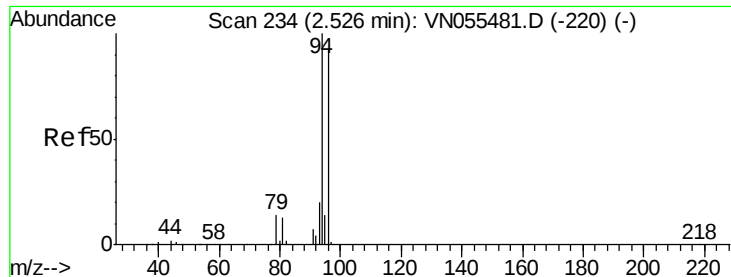
62 100

64 31.5 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN055481.D (-116) (-)





#5

Bromomethane

Concen: 19.456 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.05 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

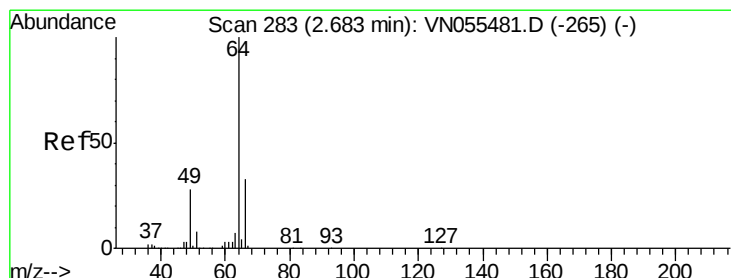
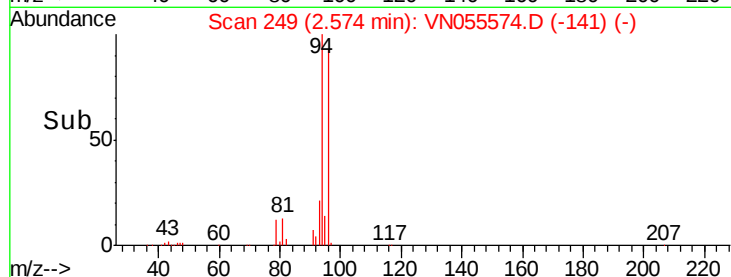
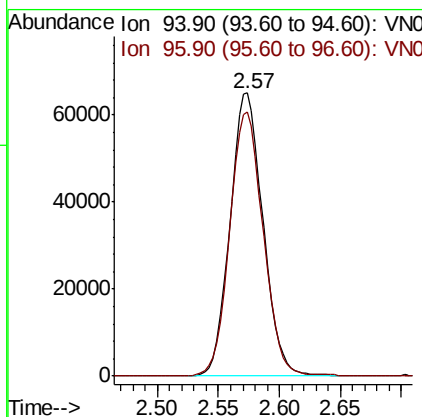
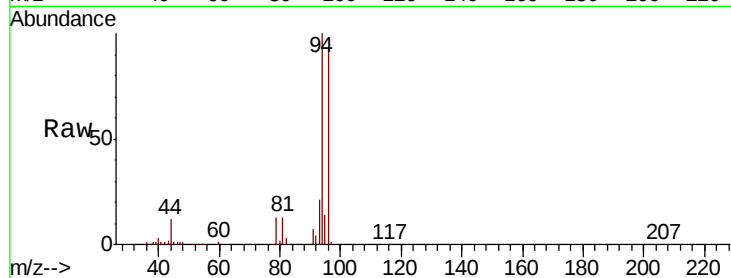
VN0513MBSD01

Tot Ion: 94 Resp: 122082

Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2



#6

Chloroethane

Concen: 18.805 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.03 min

Lab File: VN055574.D

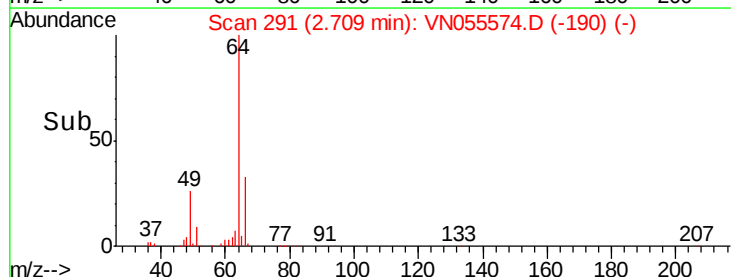
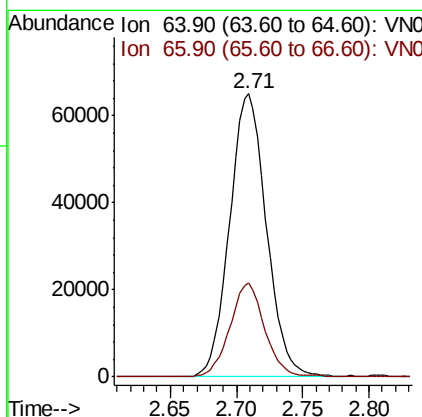
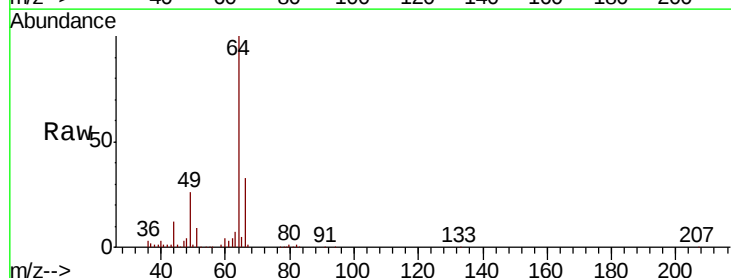
Acq: 13 May 2019 12:53

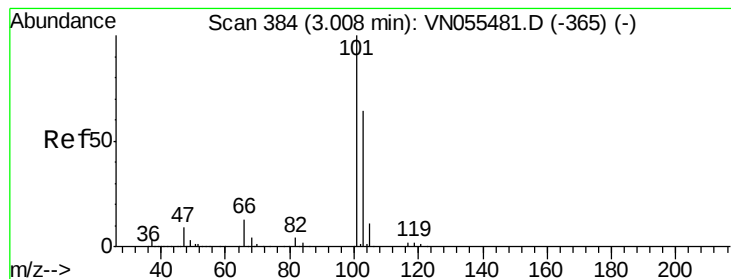
Tgt Ion: 64 Resp: 125442

Ion Ratio Lower Upper

64 100

66 33.1 26.2 39.2



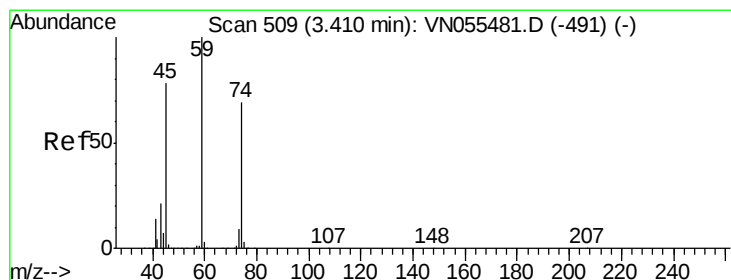
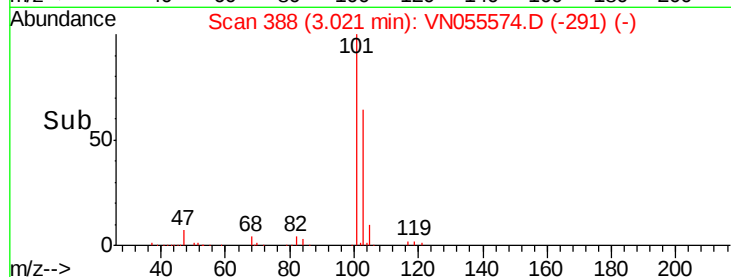
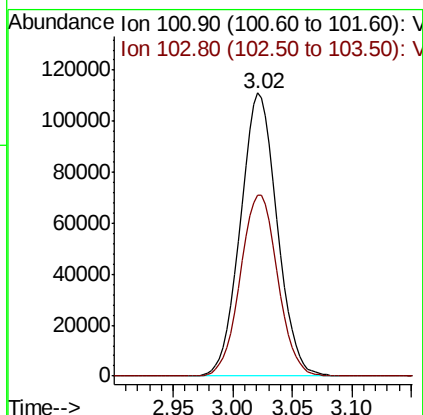
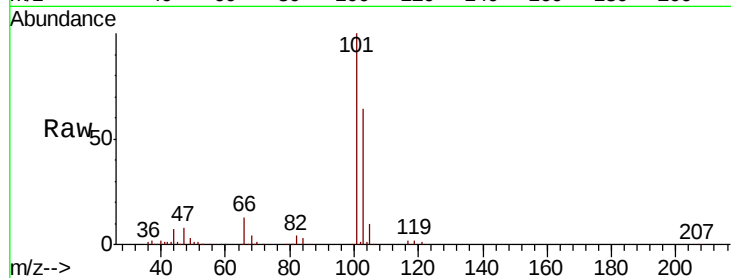


#7

Trichlorofluoromethane
 Concen: 18.894 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBSD01

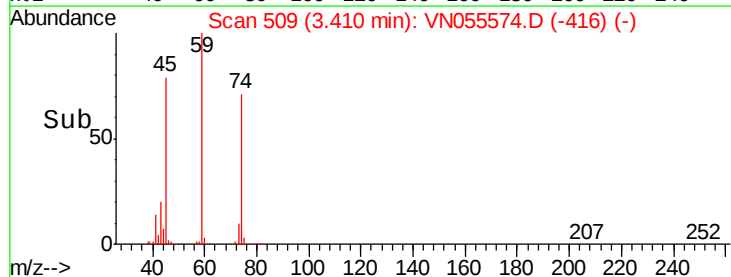
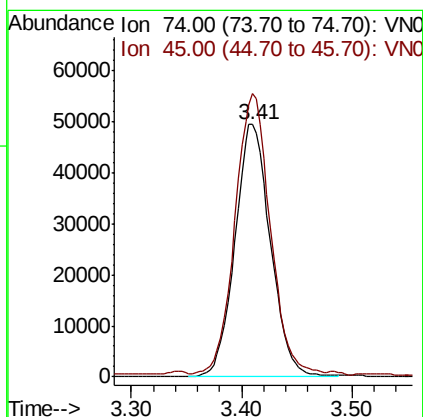
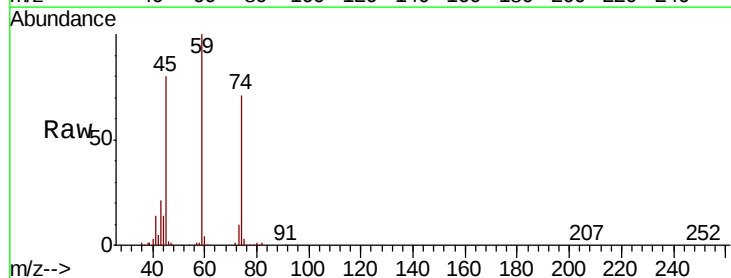
Tot Ion:101 Resp: 237377
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.2 76.8

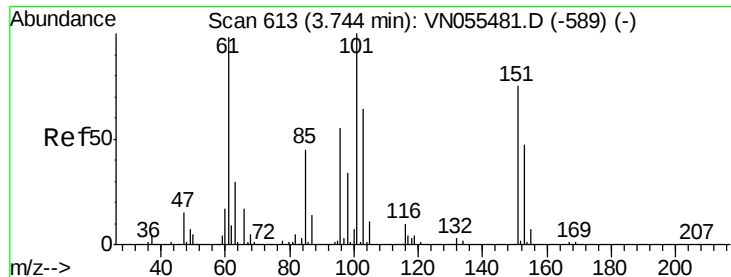


#8

Diethyl Ether
 Concen: 19.578 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Tgt Ion: 74 Resp: 110465
 Ion Ratio Lower Upper
 74 100
 45 108.9 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.356 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

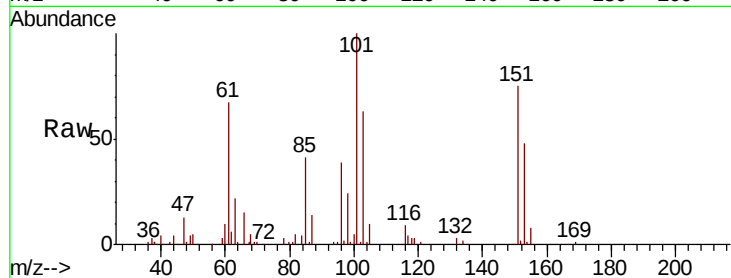
Tot Ion:101 Resp: 154719

Ion Ratio Lower Upper

101 100

85 42.9 35.5 53.3

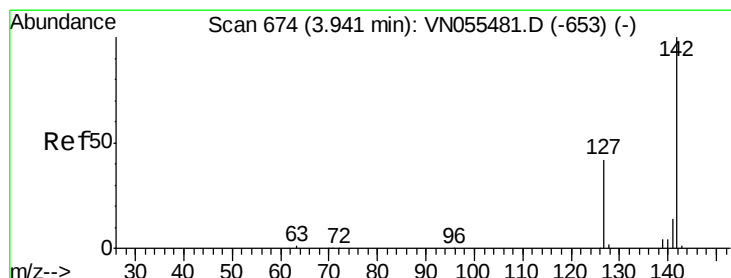
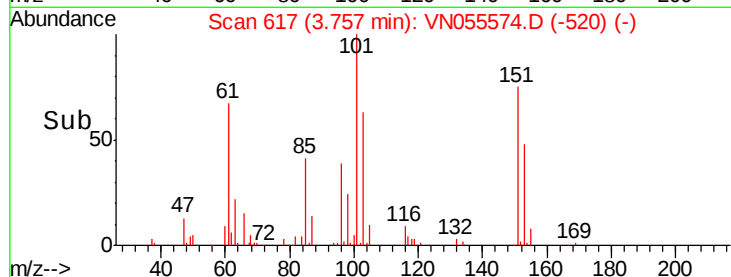
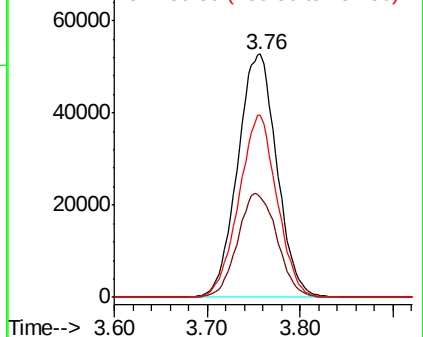
151 72.8 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.803 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

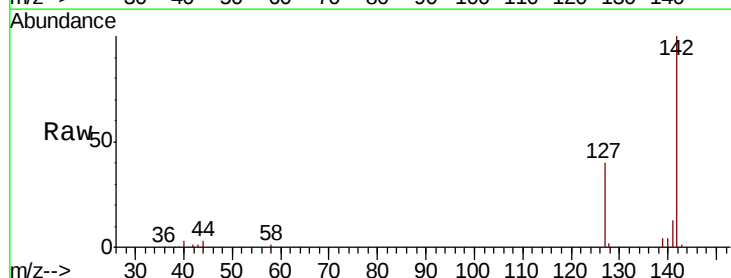
Tgt Ion:142 Resp: 181535

Ion Ratio Lower Upper

142 100

127 40.2 33.0 49.4

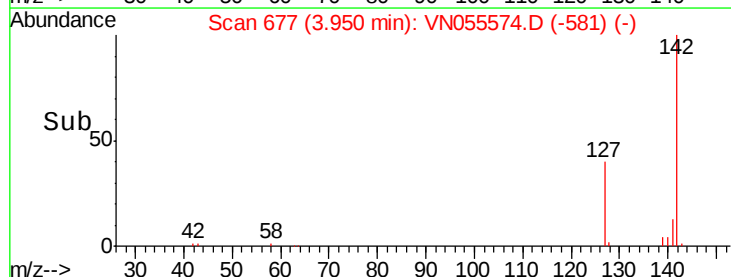
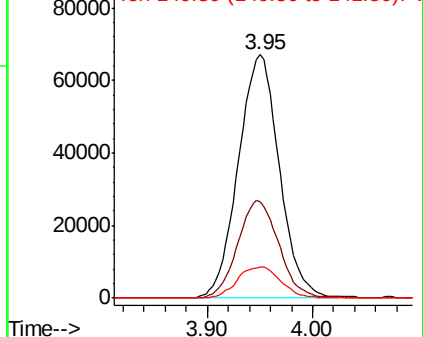
141 13.7 11.4 17.0

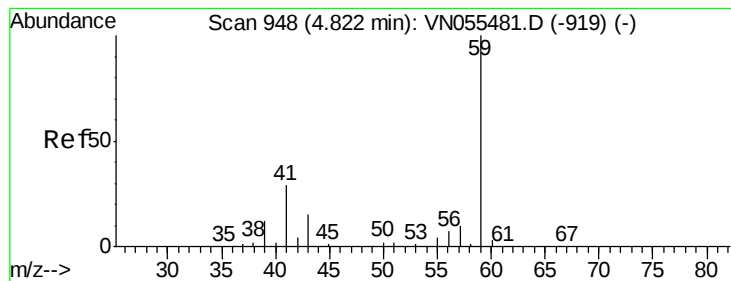


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



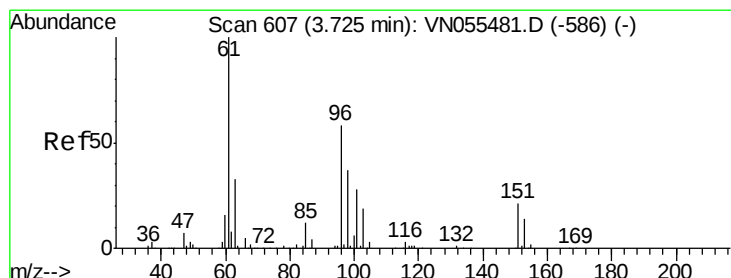
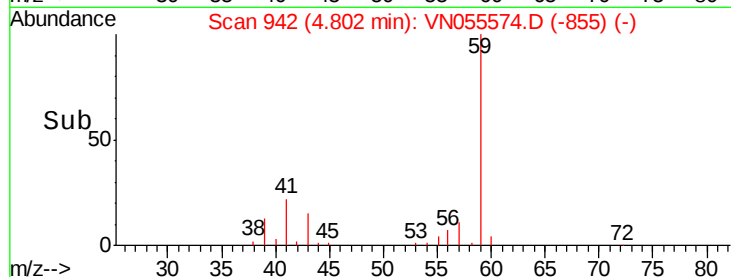
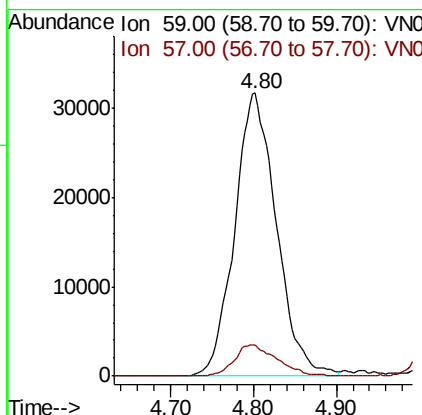
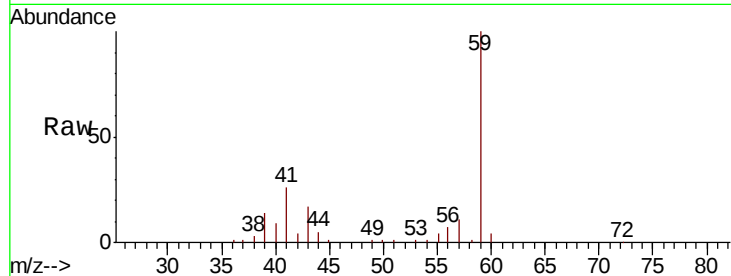


#11

Tert butyl alcohol
 Concen: 68.093 ug/l
 RT: 4.80 min Scan# 942
 Delta R.T. -0.02 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBSD01

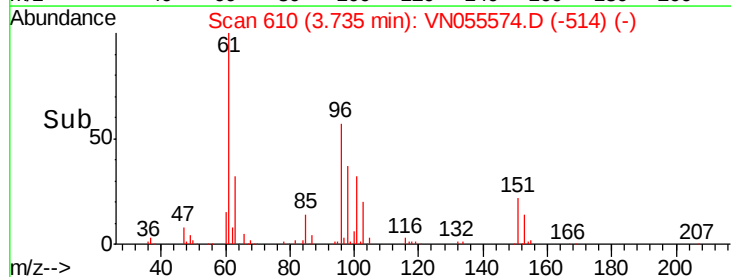
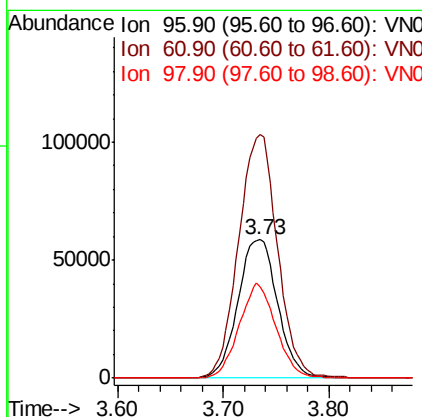
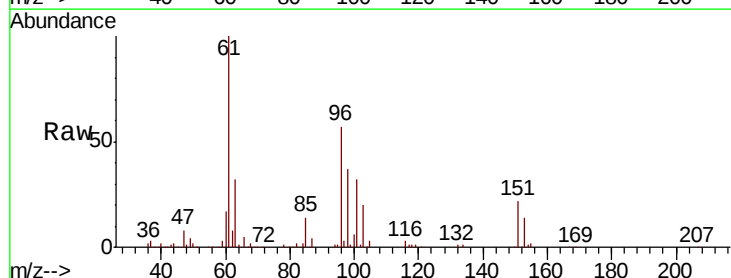
Tot Ion: 59 Resp: 111034
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.0 12.0

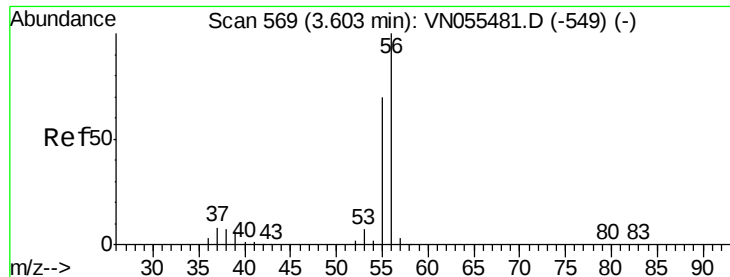


#12

1,1-Dichloroethene
 Concen: 19.227 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Tgt Ion: 96 Resp: 154136
 Ion Ratio Lower Upper
 96 100
 61 176.0 138.7 208.1
 98 65.9 50.6 76.0





#13

Acrolein

Concen: 84.666 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

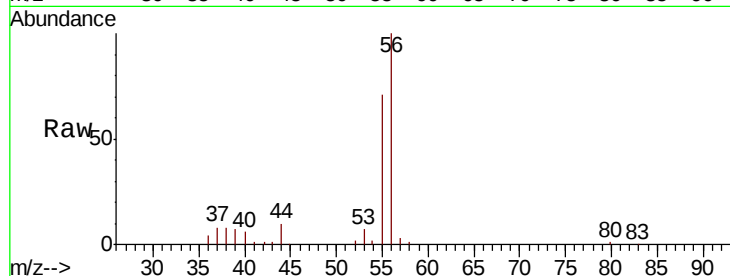
VN0513MBSD01

Tot Ion: 56 Resp: 92011

Ion Ratio Lower Upper

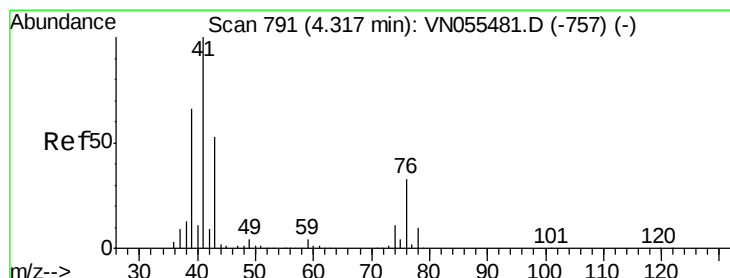
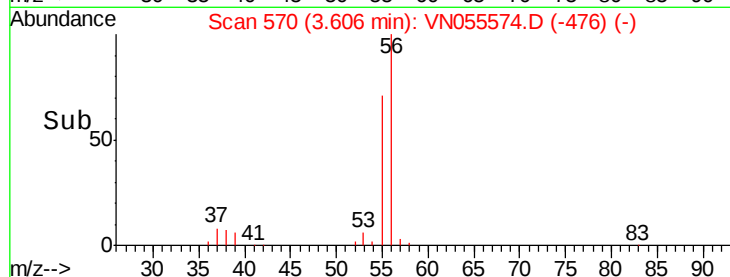
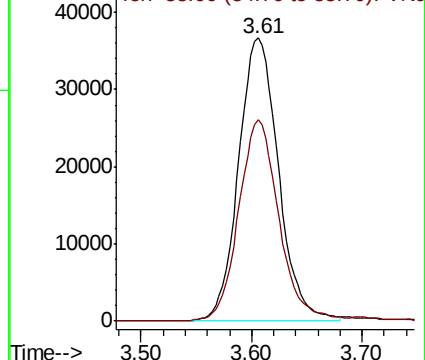
56 100

55 71.6 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.733 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

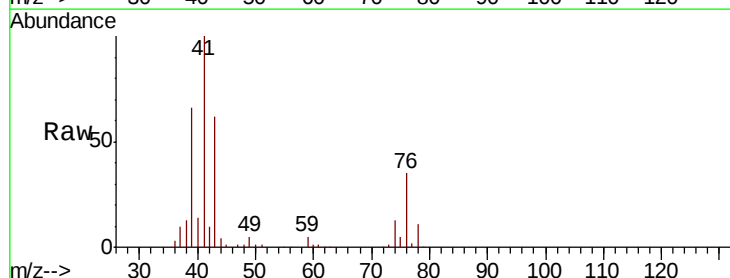
Tgt Ion: 41 Resp: 291203

Ion Ratio Lower Upper

41 100

39 61.3 49.8 74.8

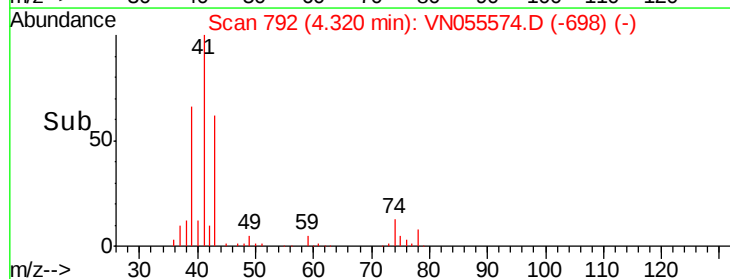
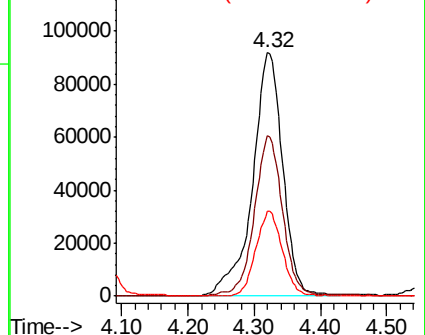
76 30.5 23.5 35.3

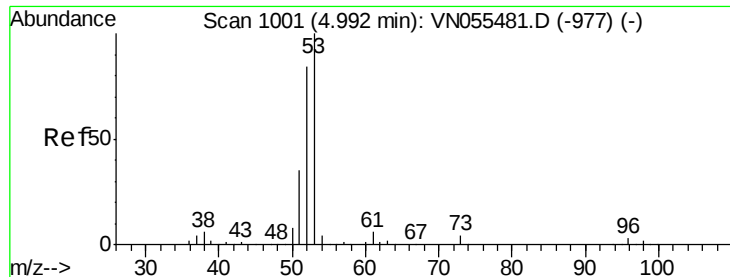


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 87.486 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

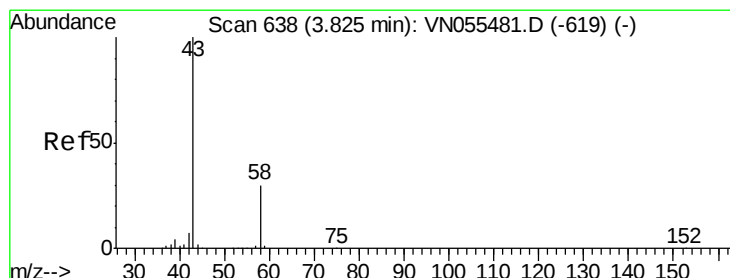
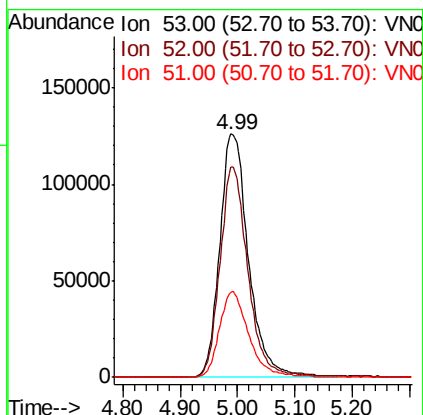
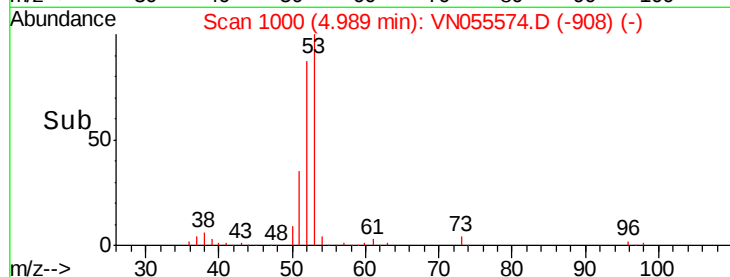
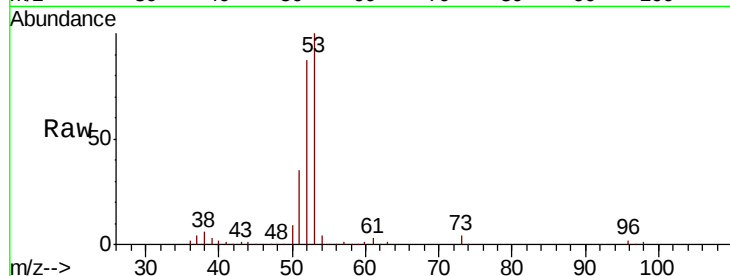
Tot Ion: 53 Resp: 441734

Ion Ratio Lower Upper

53 100

52 83.0 66.1 99.1

51 36.1 28.3 42.5



#16

Acetone

Concen: 73.754 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055574.D

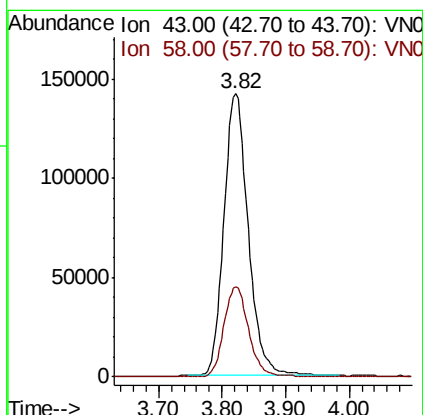
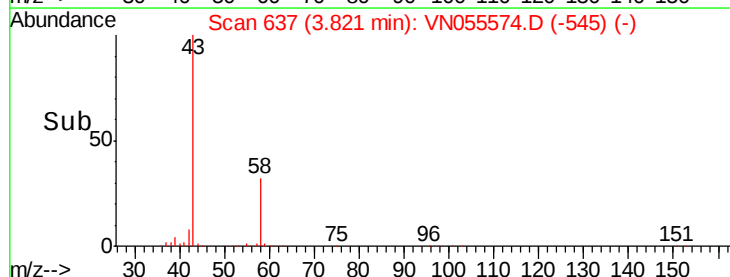
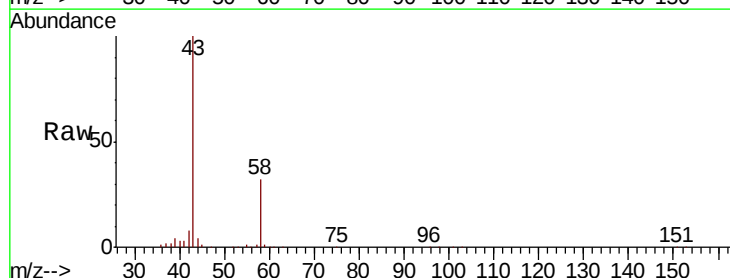
Acq: 13 May 2019 12:53

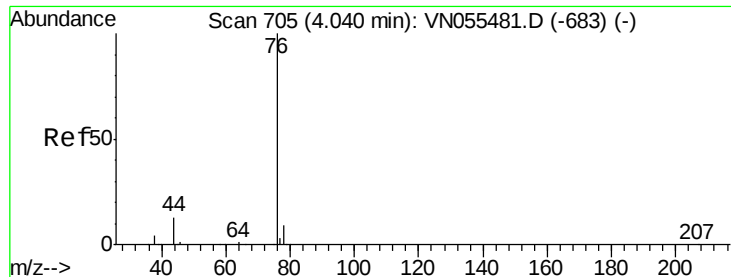
Tgt Ion: 43 Resp: 377149

Ion Ratio Lower Upper

43 100

58 31.9 24.2 36.2

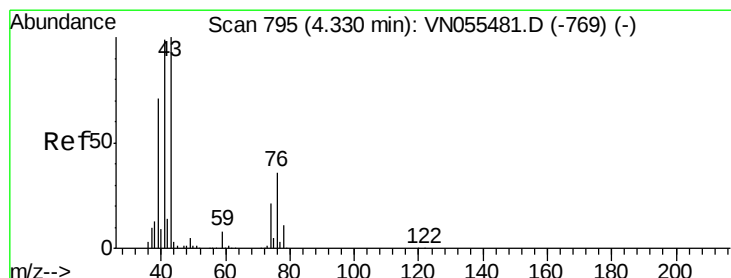
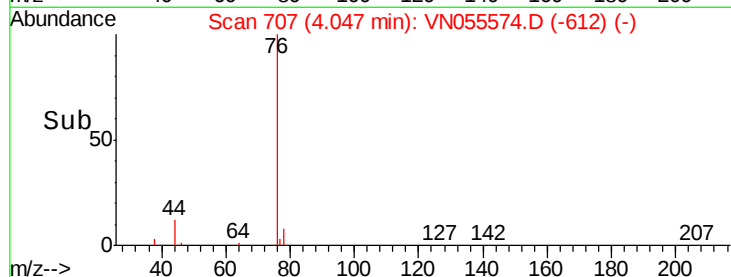
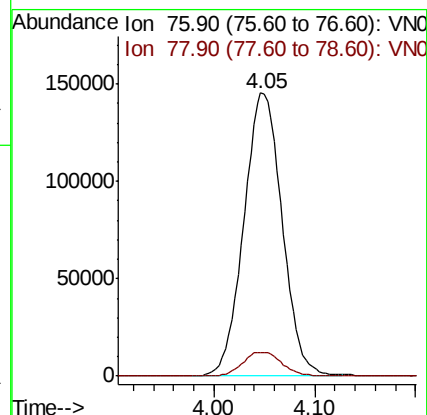
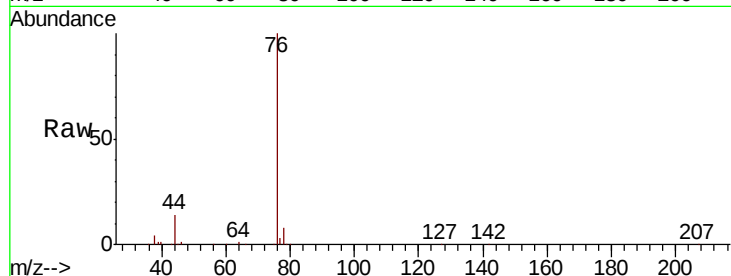




#17
Carbon Disulfide
Concen: 17.509 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

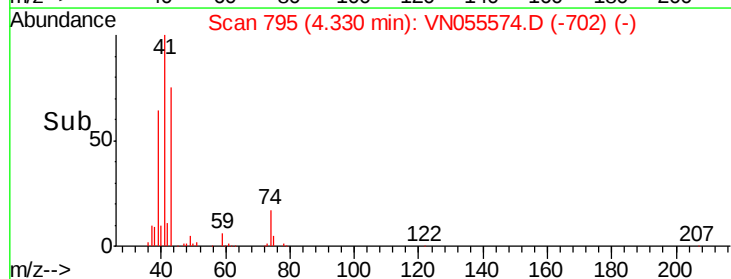
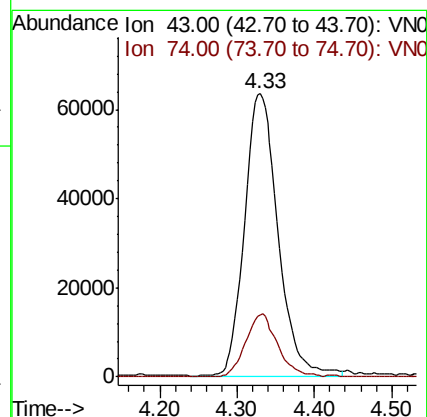
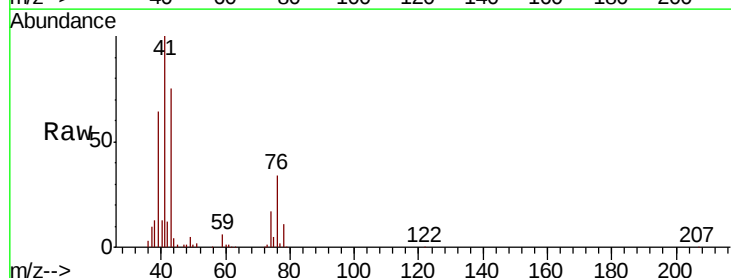
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBSD01

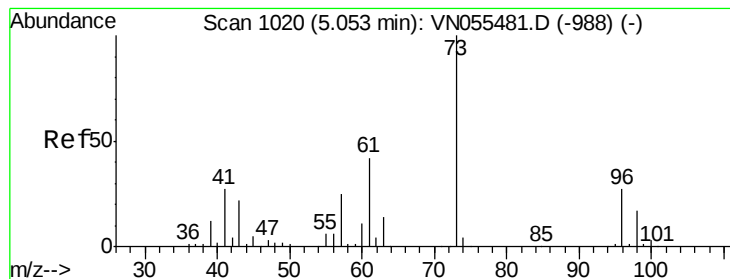
Tot Ion: 76 Resp: 383079
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#18
Methyl Acetate
Concen: 17.076 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

Tgt Ion: 43 Resp: 191052
Ion Ratio Lower Upper
43 100
74 21.3 16.3 24.5



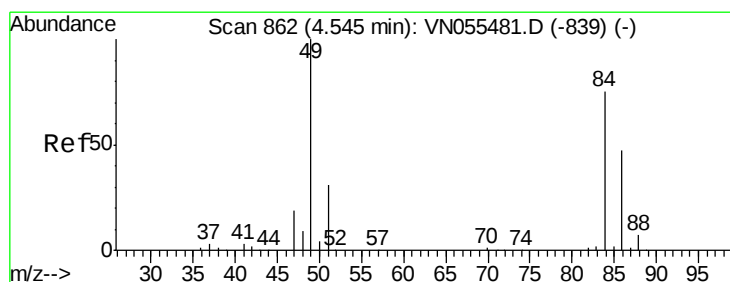
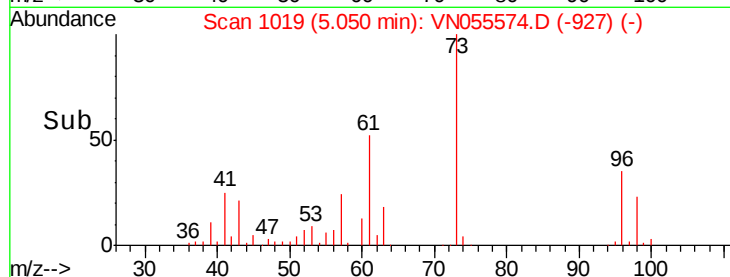
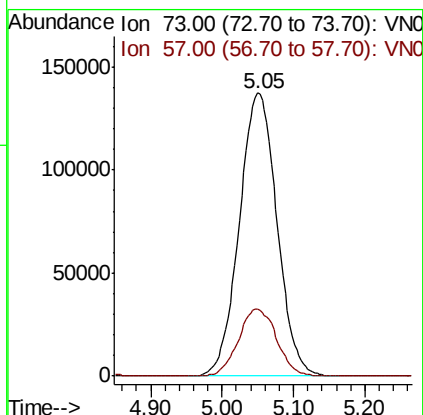
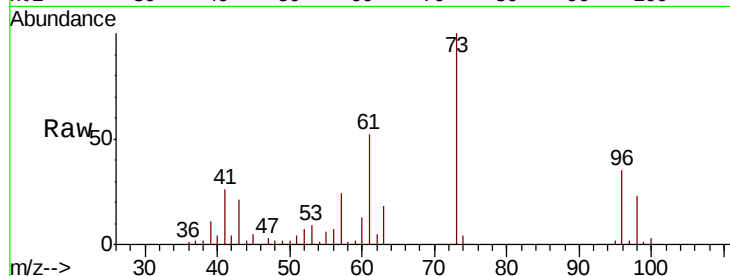


#19

Methyl tert-butyl Ether
 Concen: 18.916 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBSD01

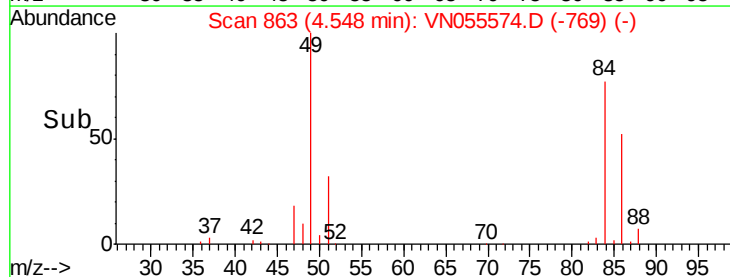
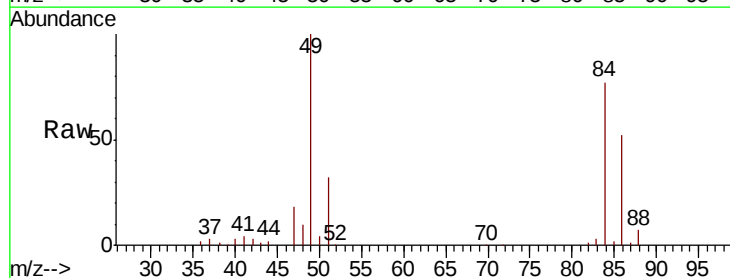
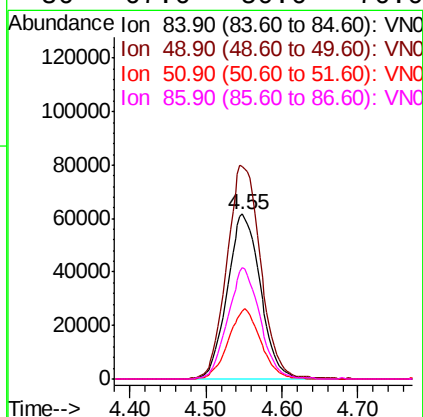
Tot Ion: 73 Resp: 503862
 Ion Ratio Lower Upper
 73 100
 57 23.6 20.0 30.0

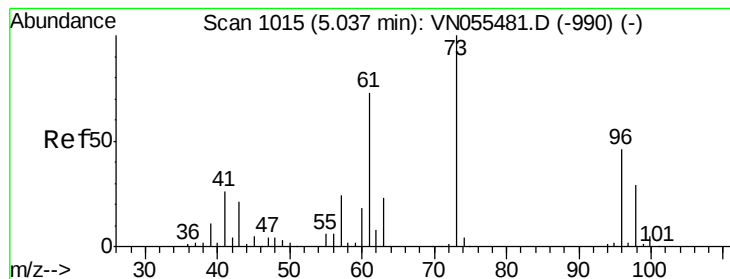


#20

Methylene Chloride
 Concen: 17.842 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Tgt Ion: 84 Resp: 186564
 Ion Ratio Lower Upper
 84 100
 49 128.7 107.0 160.6
 51 41.2 33.0 49.4
 86 67.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.197 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampled :

VN0513MBSD01

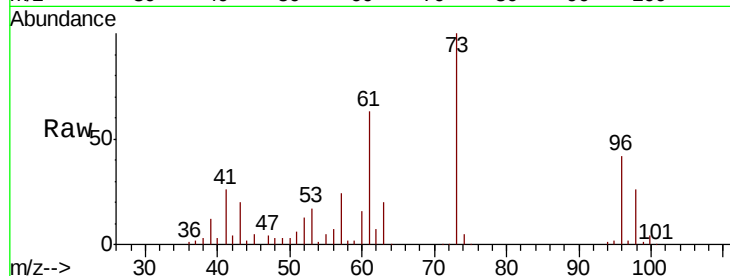
Tot Ion: 96 Resp: 166851

Ion Ratio Lower Upper

96 100

61 149.2 127.4 191.0

98 62.4 51.6 77.4

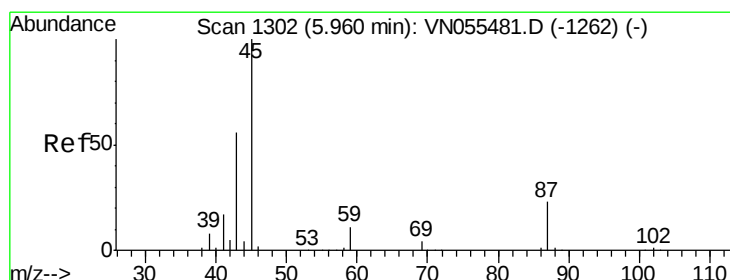
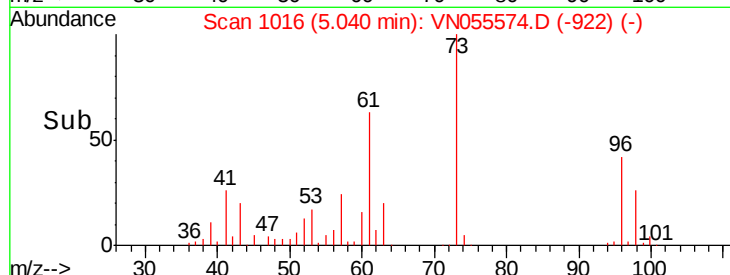
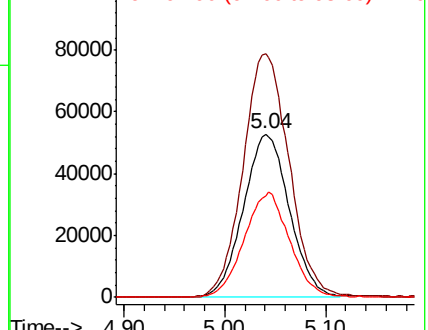


Abundance

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: 18.792 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Tgt Ion: 45 Resp: 627115

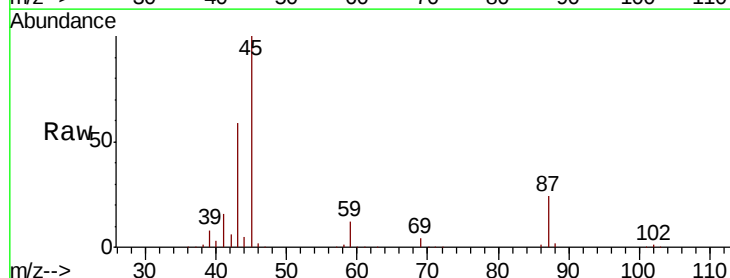
Ion Ratio Lower Upper

45 100

43 58.5 44.6 66.8

87 24.1 18.6 28.0

59 11.4 8.6 12.8



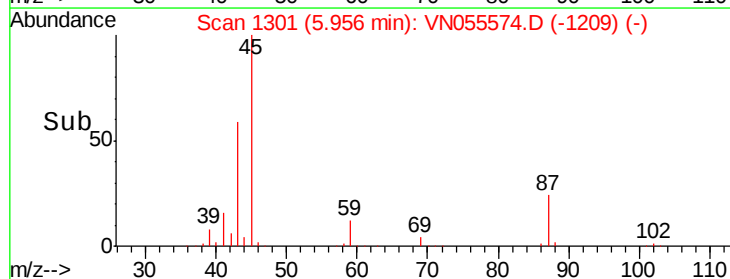
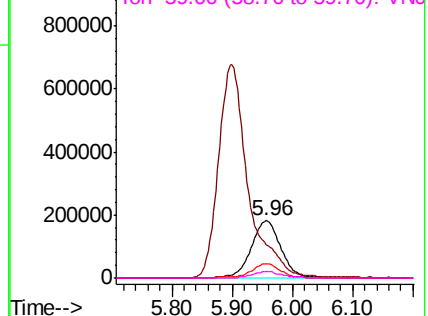
Abundance

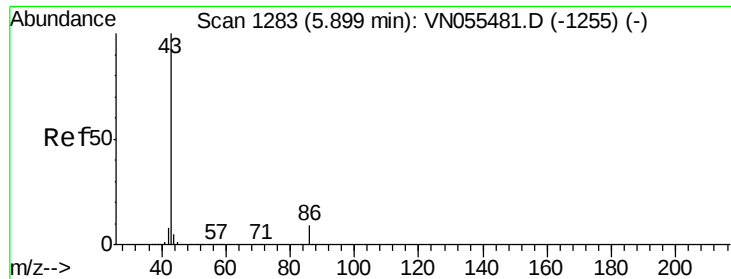
Ion 45.00 (44.70 to 45.70): VN0

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: 89.446 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

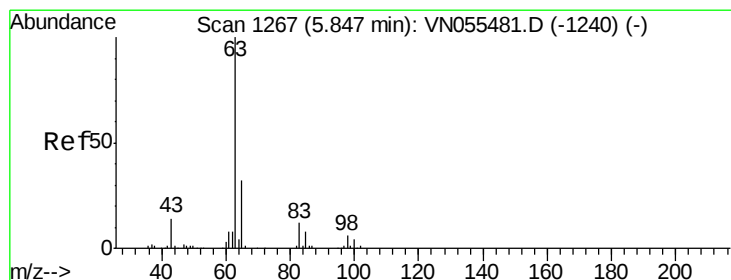
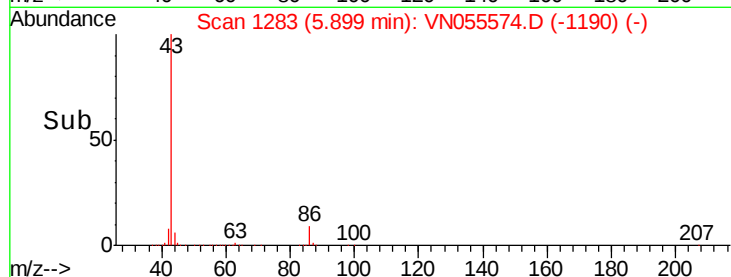
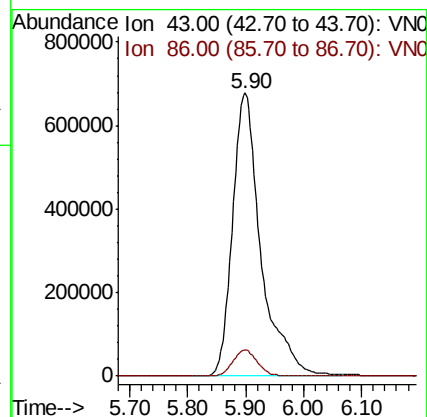
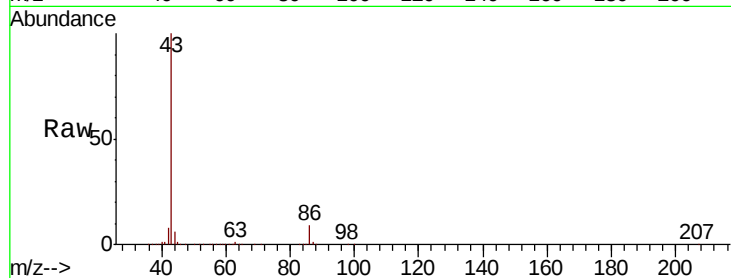
VN0513MBSD01

Tot Ion: 43 Resp: 2308360

Ion Ratio Lower Upper

43 100

86 9.2 7.1 10.7



#24

1,1-Dichloroethane

Concen: 18.828 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

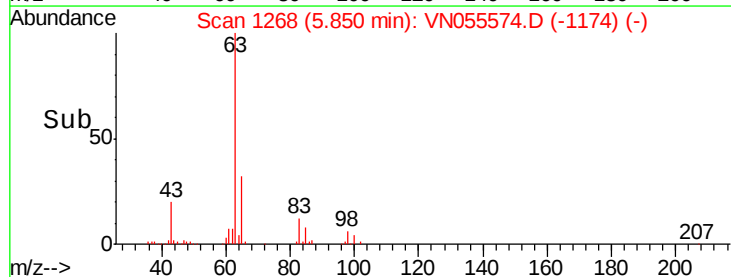
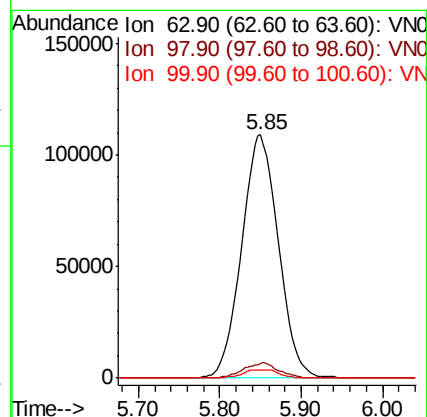
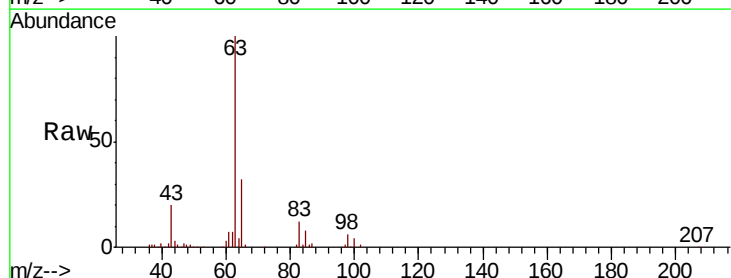
Tgt Ion: 63 Resp: 339170

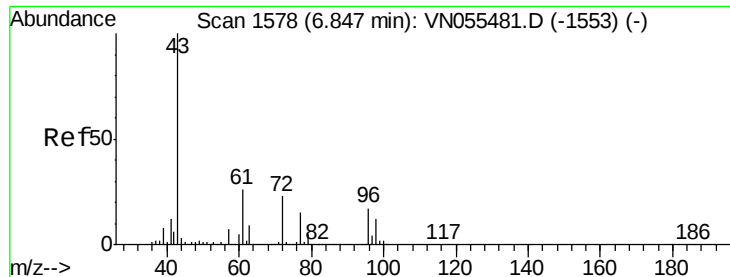
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 3.5 1.9 5.7





#25

2-Butanone

Concen: 80.236 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

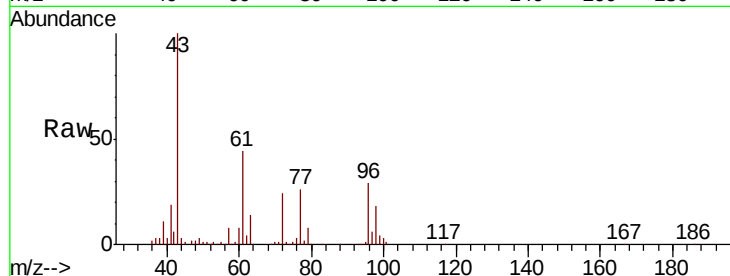
VN0513MBSD01

Tot Ion: 43 Resp: 566775

Ion Ratio Lower Upper

43 100

72 23.7 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

200000

150000

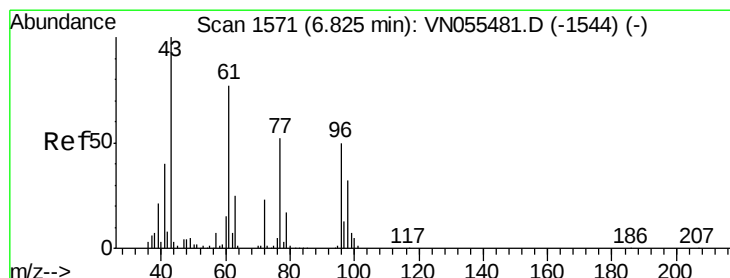
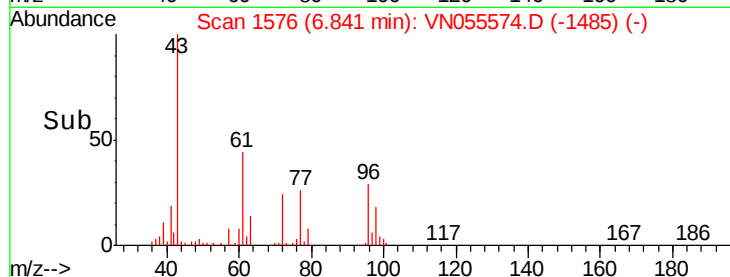
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.624 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055574.D

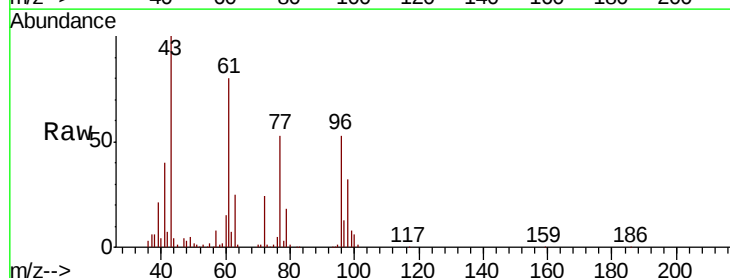
Acq: 13 May 2019 12:53

Tgt Ion: 77 Resp: 209143

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

60000

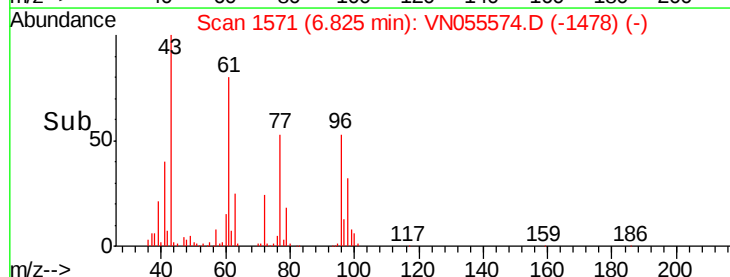
40000

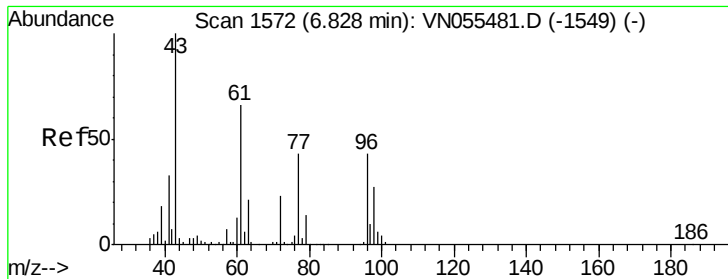
20000

0

6.70 6.80 6.90

Time-->

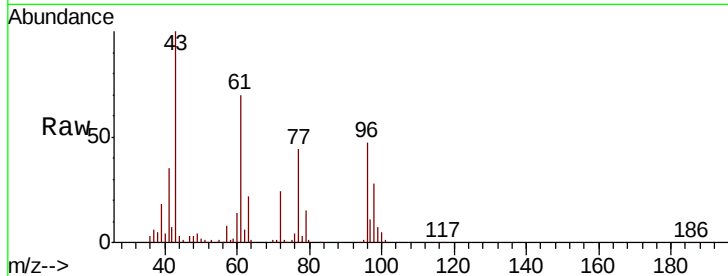




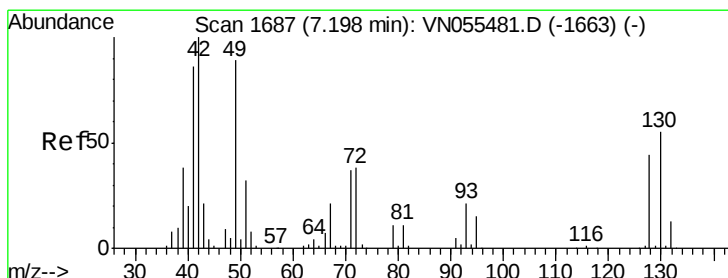
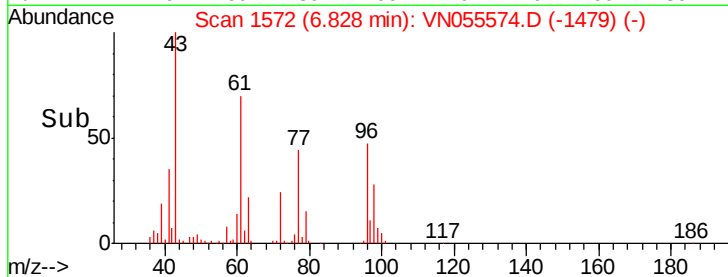
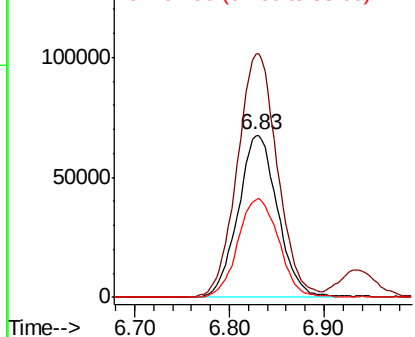
#27
 cis-1,2-Dichloroethene
 Concen: 19.512 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	310.8
98	63.2	0.0	129.4

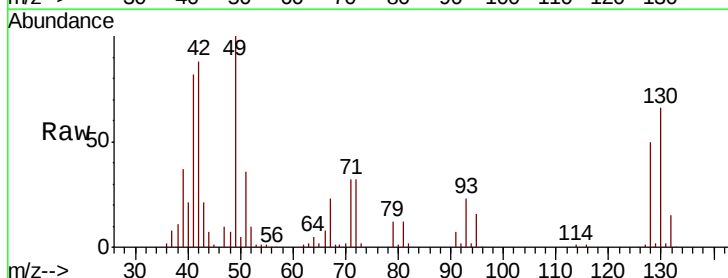


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

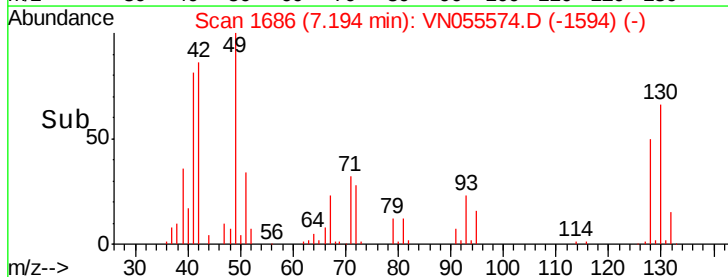
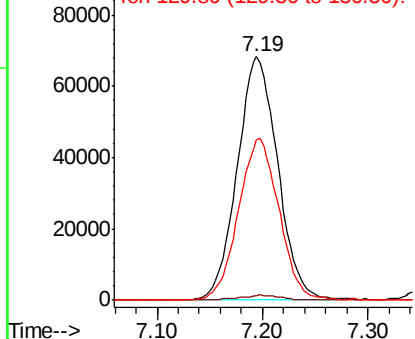


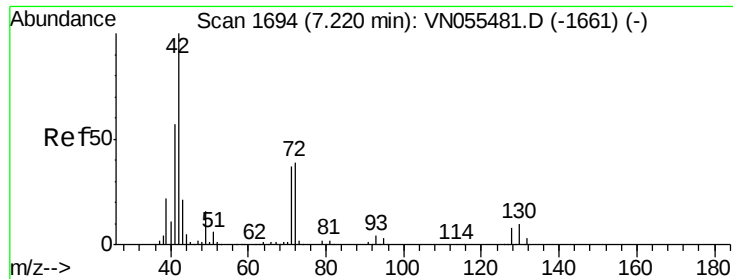
#28
 Bromochloromethane
 Concen: 19.512 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	66.4	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

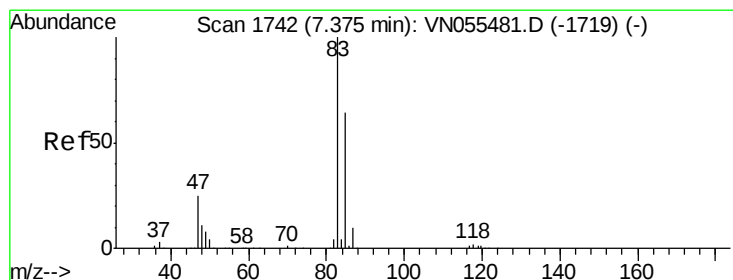
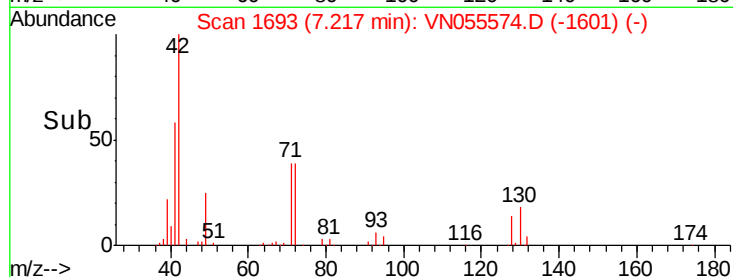
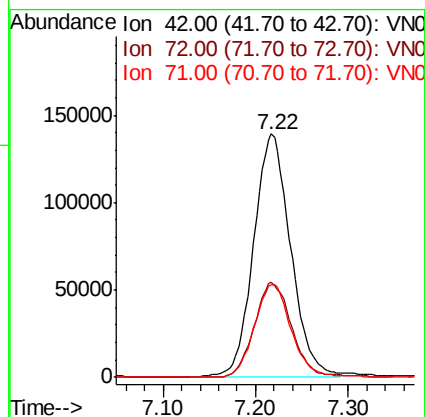
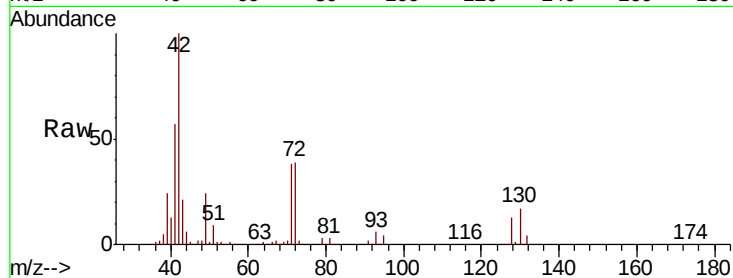




#29
Tetrahydrofuran
Concen: 82.520 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

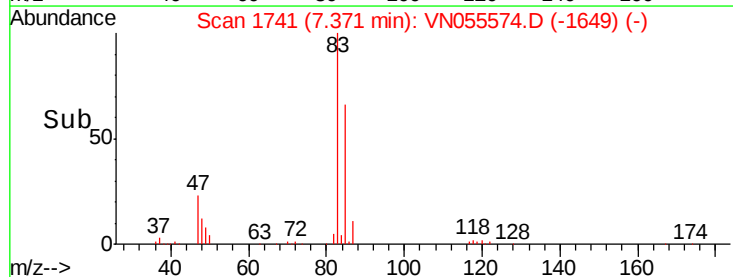
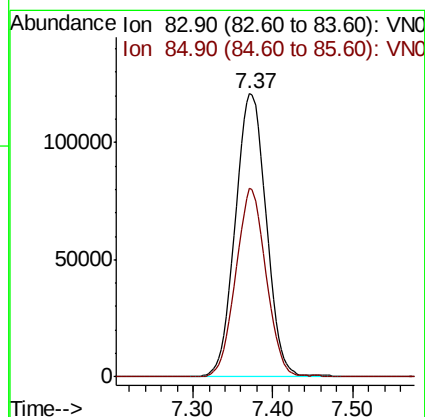
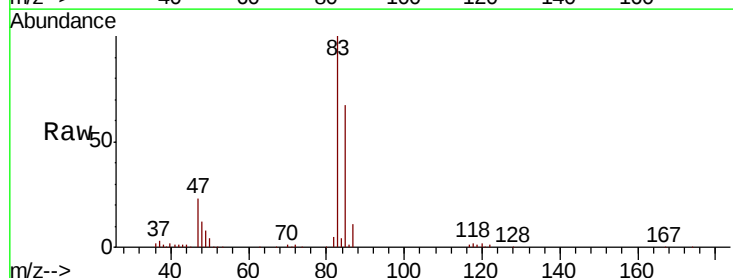
Instrument :
MSVOA_N
ClientSampled :
VN0513MBSD01

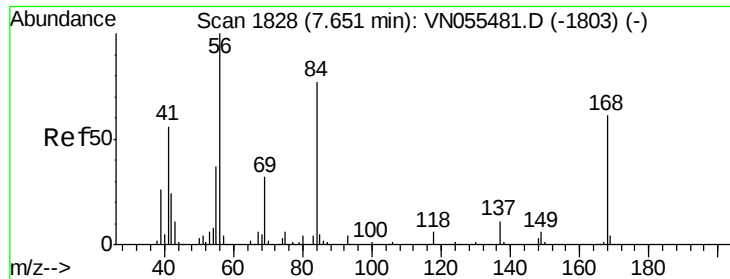
Tot Ion: 42 Resp: 385351
Ion Ratio Lower Upper
42 100
72 39.9 31.0 46.6
71 38.0 29.4 44.2



#30
Chloroform
Concen: 18.991 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

Tgt Ion: 83 Resp: 316260
Ion Ratio Lower Upper
83 100
85 66.6 51.3 76.9





#31

Cyclohexane

Concen: 18.052 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

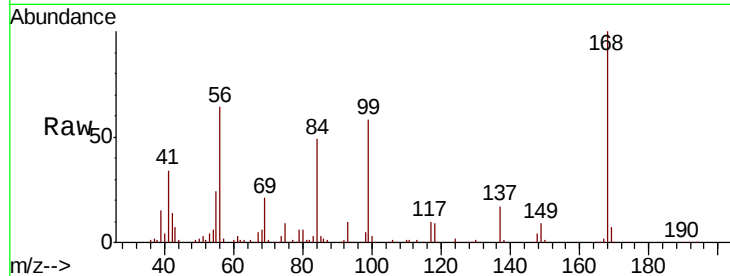
Tot Ion: 56 Resp: 321753

Ion Ratio Lower Upper

56 100

69 33.5 26.0 39.0

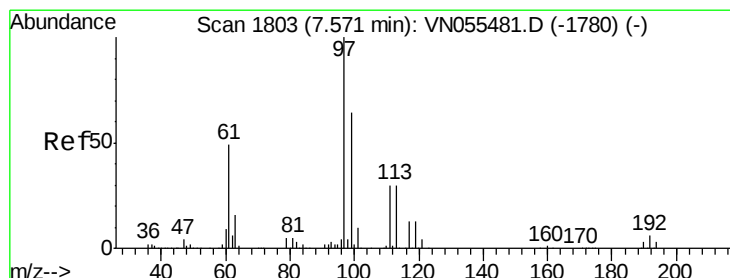
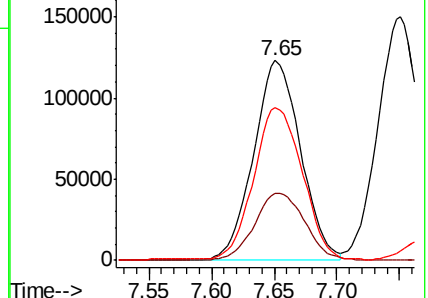
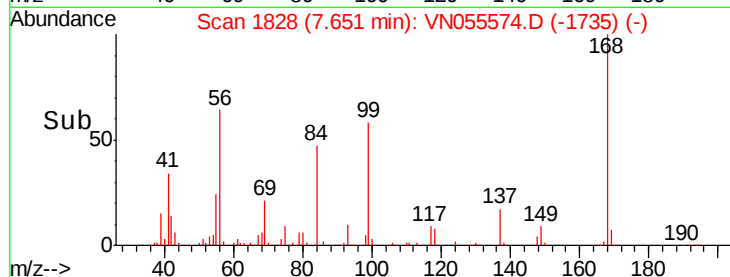
84 75.5 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.291 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

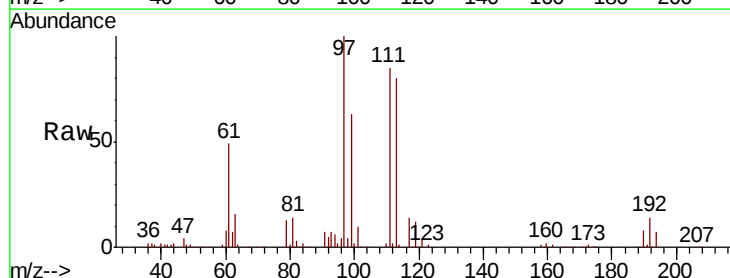
Tgt Ion: 97 Resp: 244636

Ion Ratio Lower Upper

97 100

99 63.7 51.2 76.8

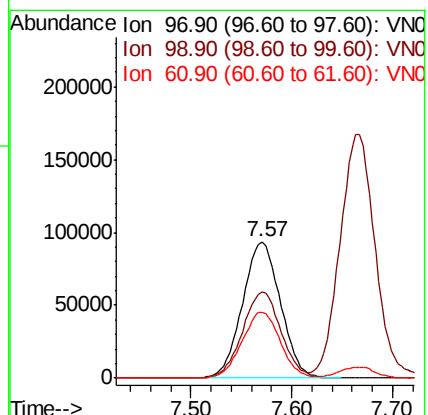
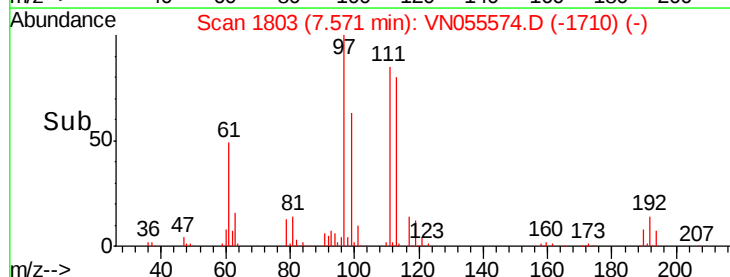
61 48.9 39.2 58.8

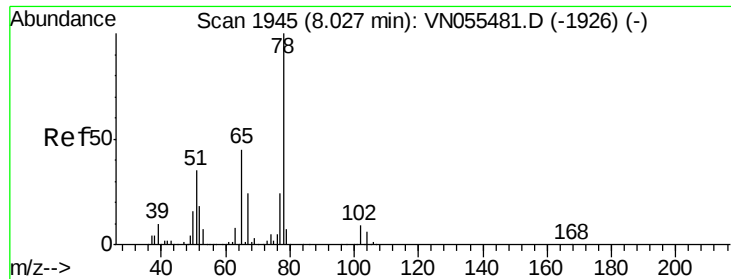


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

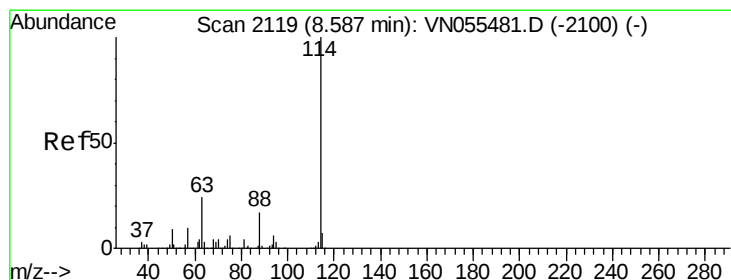
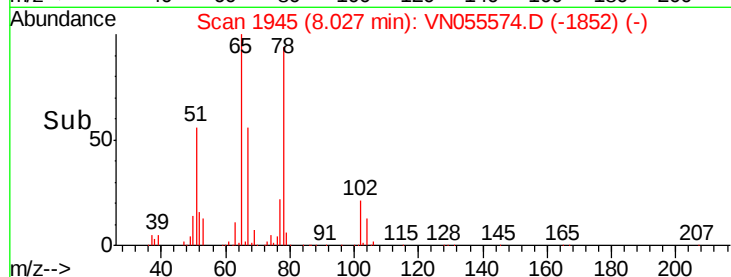
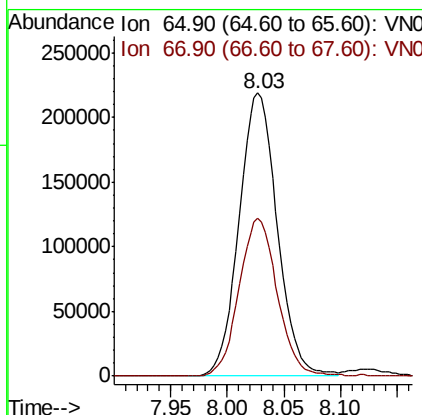
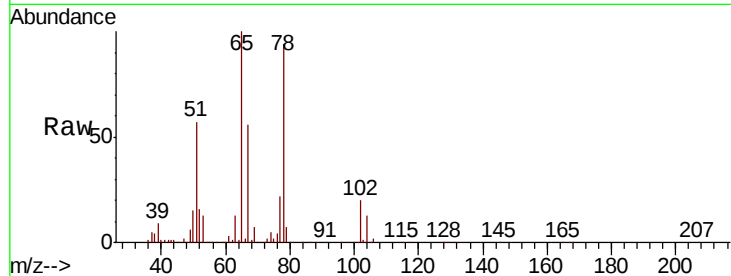




#33
 1,2-Dichloroethane-d4
 Concen: 46.700 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

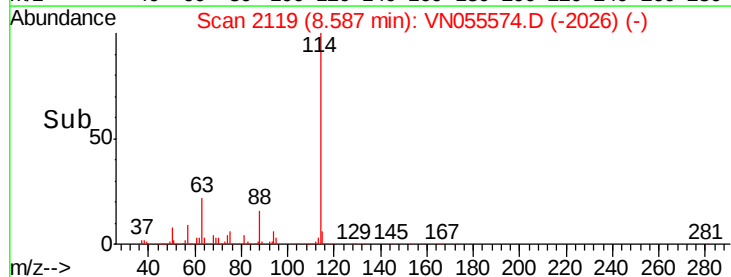
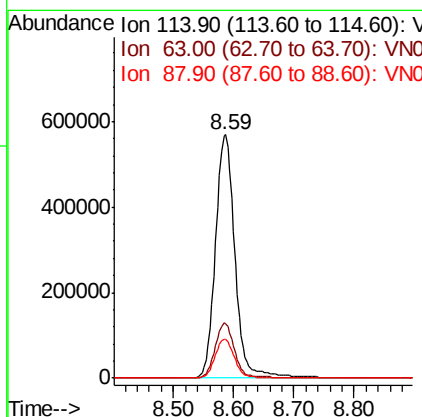
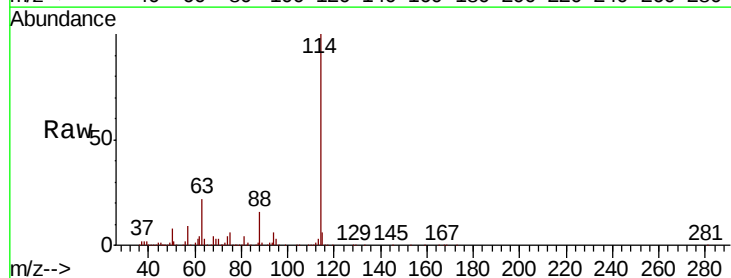
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBSD01

Tot Ion: 65 Resp: 515739
 Ion Ratio Lower Upper
 65 100
 67 55.7 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: VN055574.D
 Acq: 13 May 2019 12:53

Tgt Ion: 114 Resp: 1263511
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.4
 88 16.0 0.0 34.0

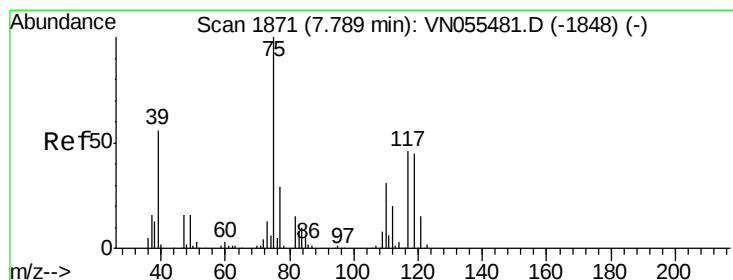
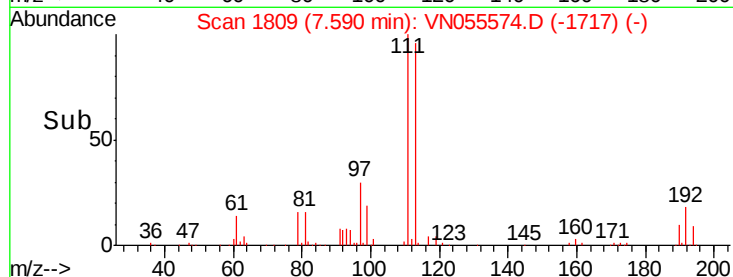
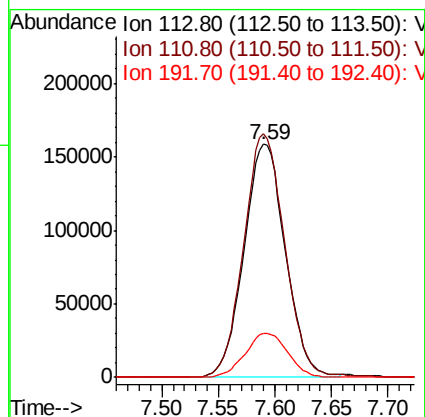
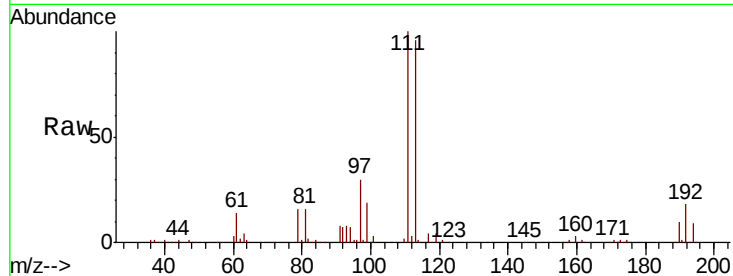




#35
 Dibromofluoromethane
 Concen: 49.576 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

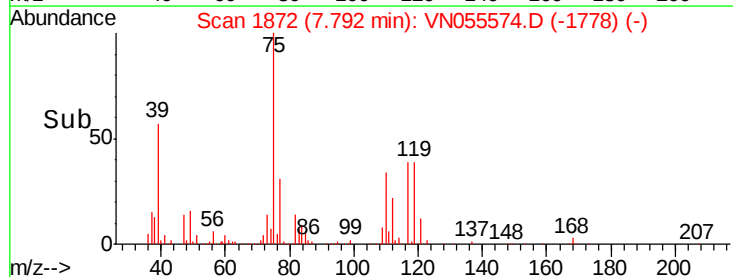
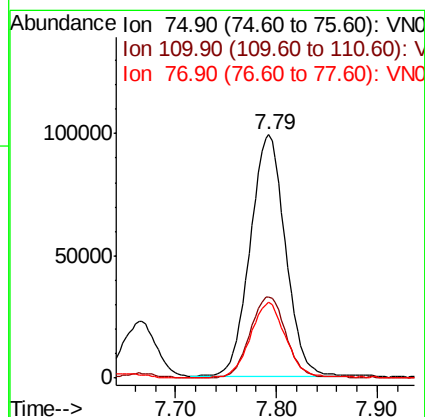
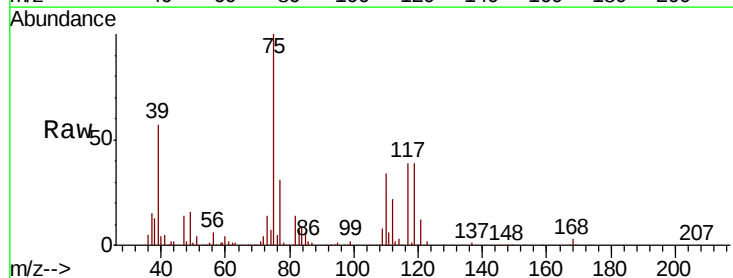
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBSD01

Tot Ion:113 Resp: 404078
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.9 124.3
 192 19.6 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 19.318 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Tgt Ion: 75 Resp: 240465
 Ion Ratio Lower Upper
 75 100
 110 34.1 16.1 48.3
 77 30.7 24.6 37.0

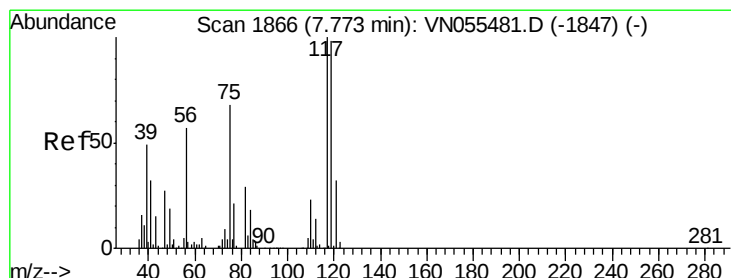
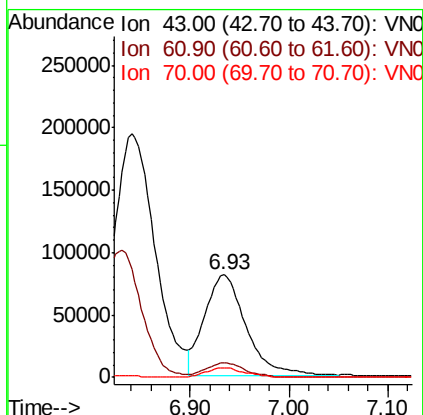
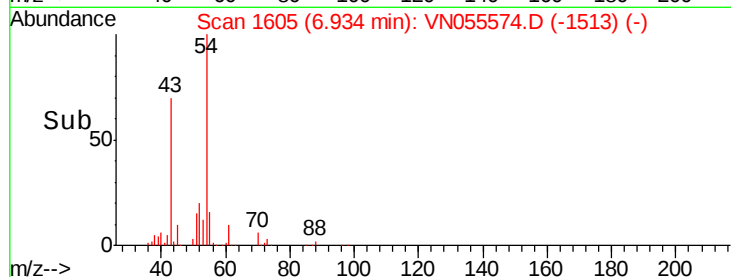
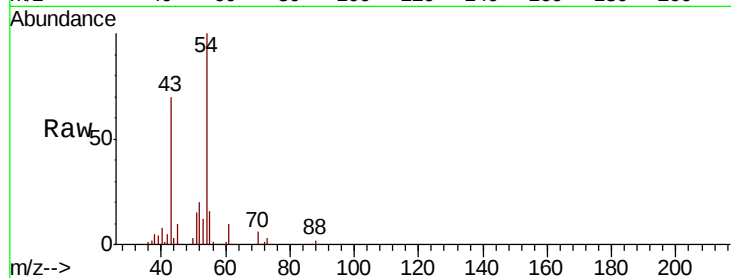




#37
Ethyl Acetate
Concen: 17.541 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

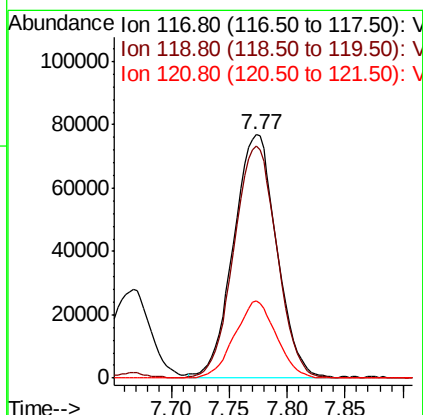
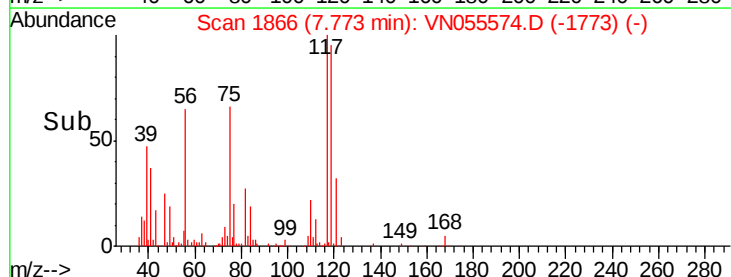
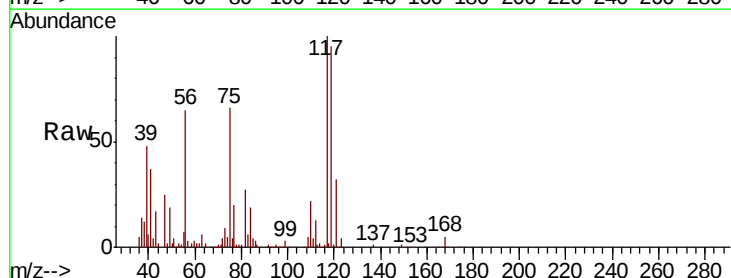
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBSD01

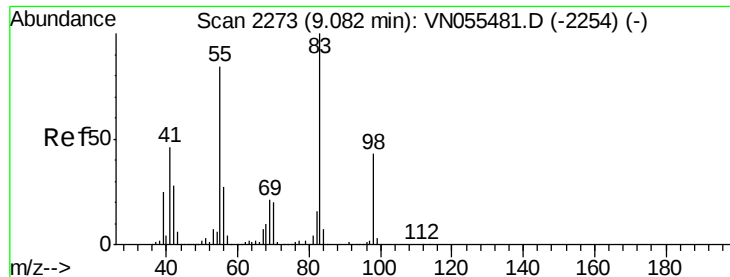
Tot Ion: 43 Resp: 238179
Ion Ratio Lower Upper
43 100
61 12.9 10.9 16.3
70 8.3 7.0 10.6



#38
Carbon Tetrachloride
Concen: 18.873 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

Tgt Ion: 117 Resp: 197820
Ion Ratio Lower Upper
117 100
119 95.5 77.8 116.6
121 31.8 25.2 37.8

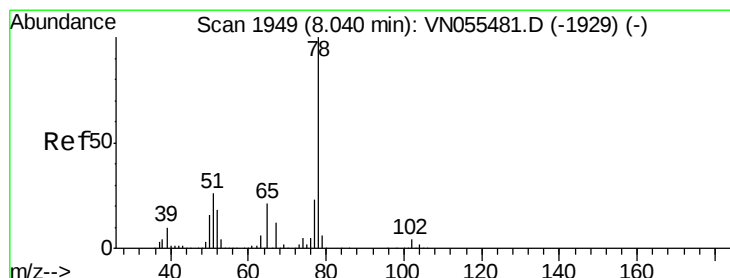
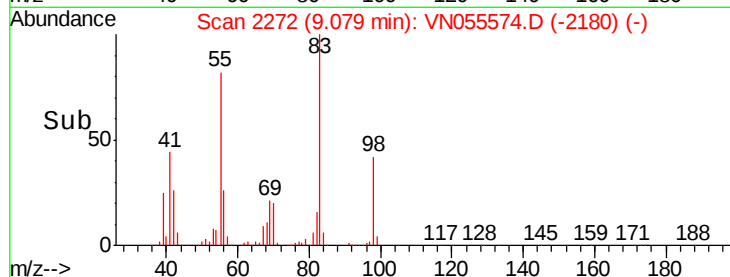
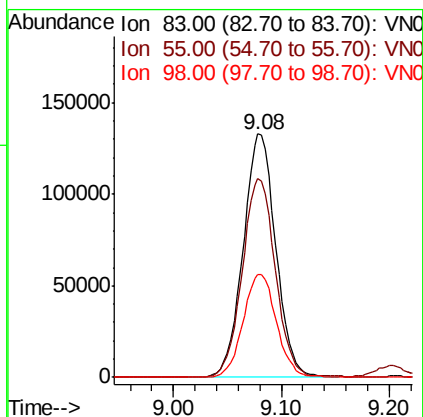
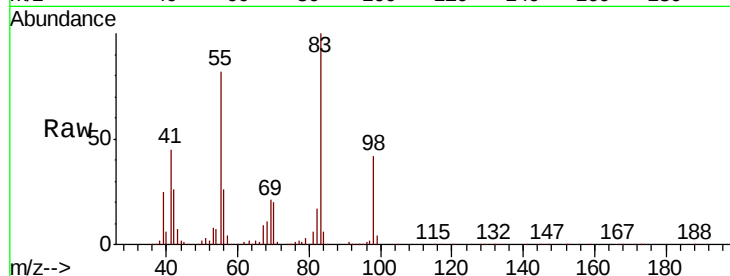




#39
Methvlcvclohexane
Concen: 18.364 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

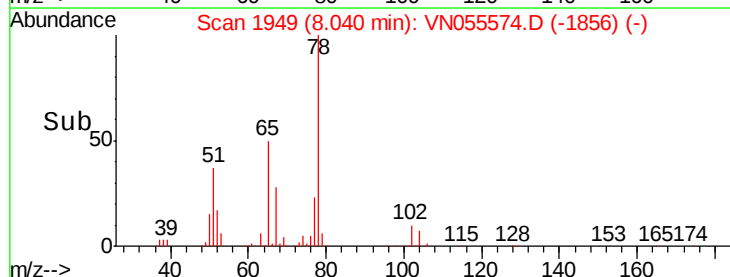
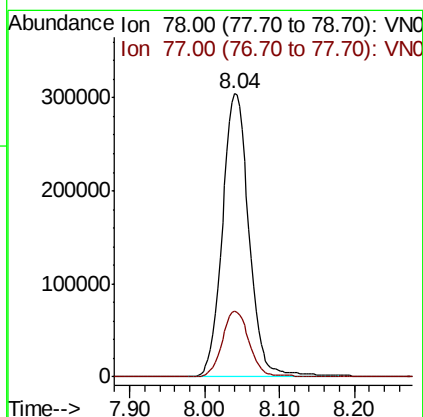
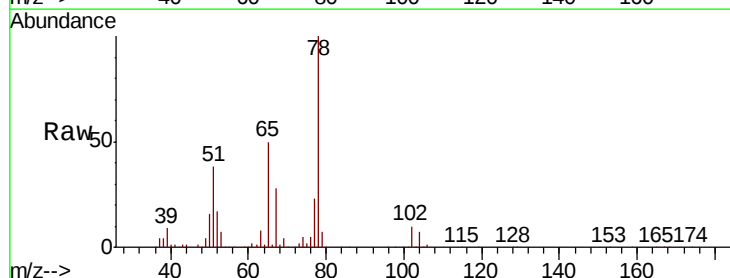
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBSD01

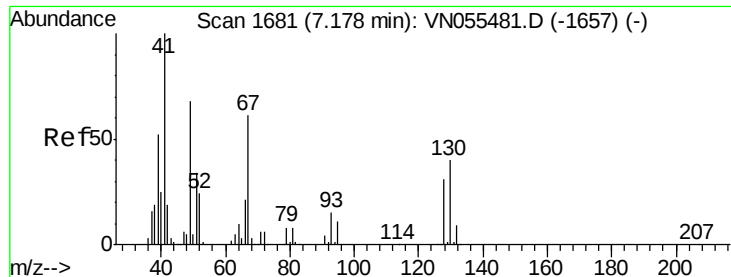
Tot Ion: 83 Resp: 278715
Ion Ratio Lower Upper
83 100
55 81.6 67.0 100.4
98 42.2 34.2 51.4



#40
Benzene
Concen: 19.465 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

Tgt Ion: 78 Resp: 751984
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8

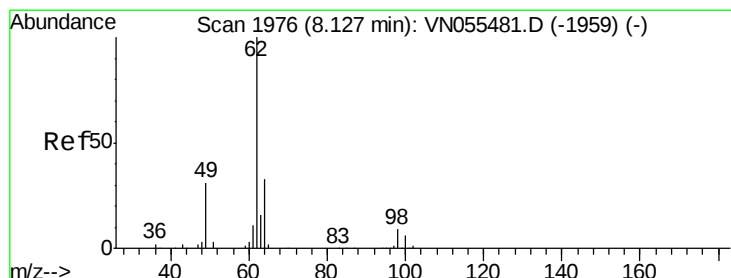
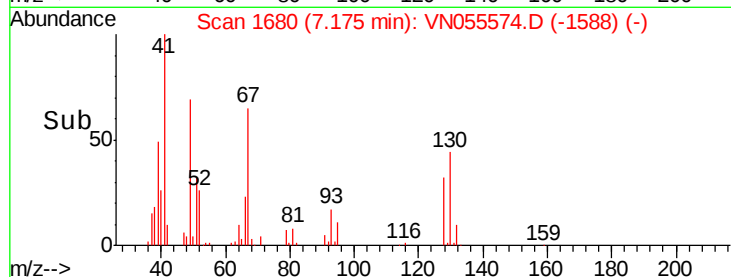
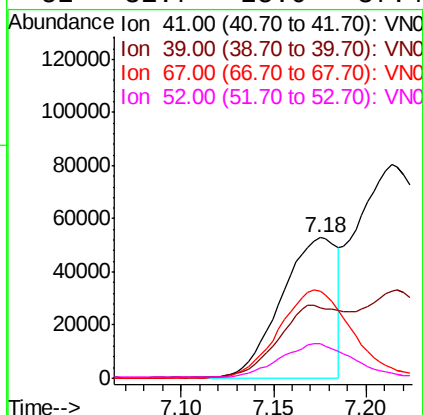
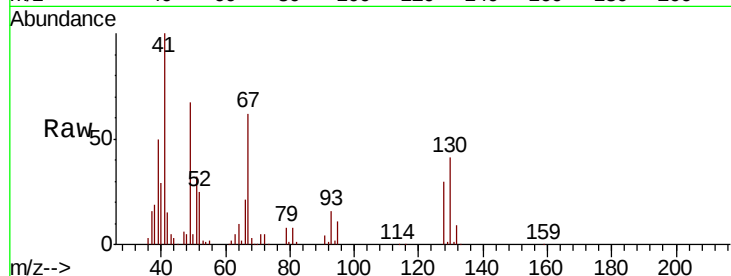




#41
Methacrylonitrile
Concen: 17.500 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

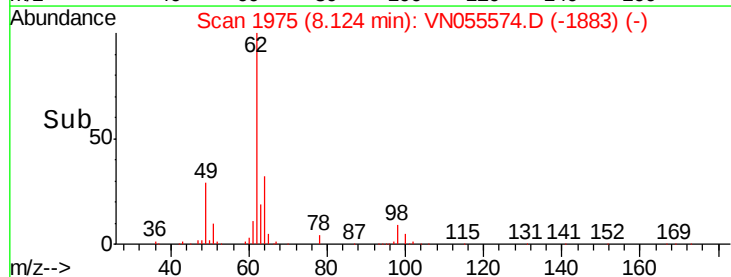
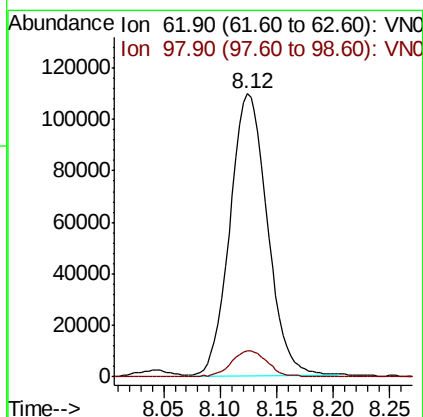
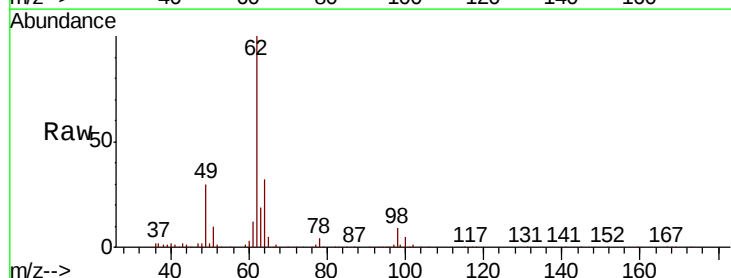
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBSD01

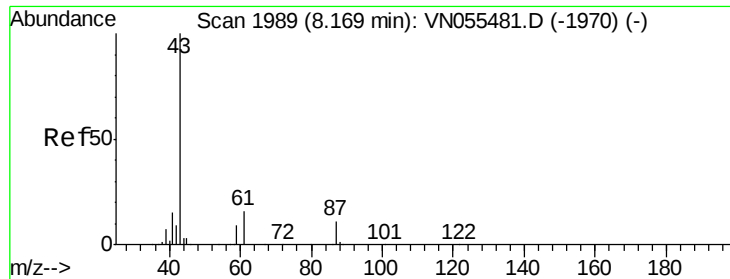
Tot Ion:	41	Resp:	110289
Ion	Ratio	Lower	Upper
41	100		
39	56.8	44.7	67.1
67	83.4	61.4	92.0
52	31.7	25.0	37.4



#42
1,2-Dichloroethane
Concen: 18.583 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

Tgt Ion:	62	Resp:	252228
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.4





#43

Isopropyl Acetate

Concen: 17.648 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

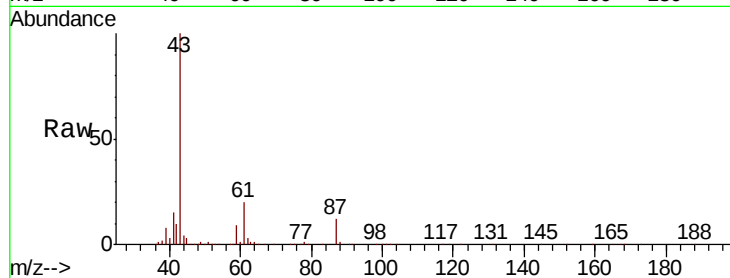
Tot Ion: 43 Resp: 364064

Ion Ratio Lower Upper

43 100

61 20.0 15.1 22.7

87 12.5 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) (-)

8.17

200000

150000

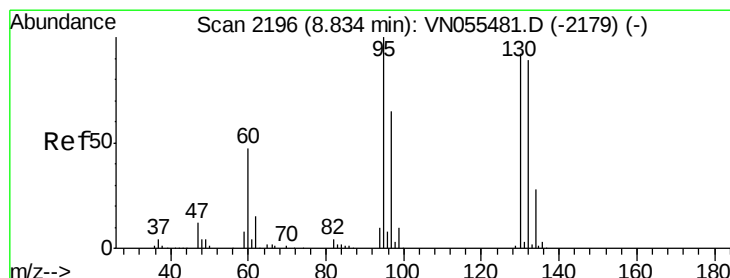
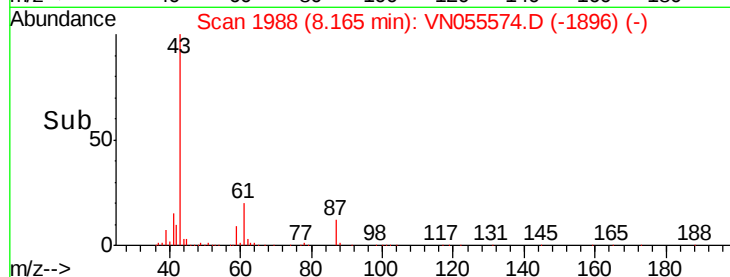
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 20.125 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055574.D

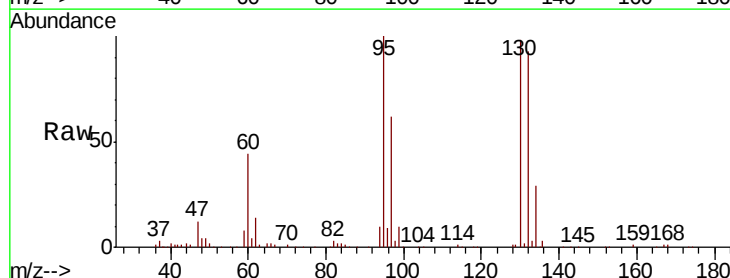
Acq: 13 May 2019 12:53

Tgt Ion:130 Resp: 184993

Ion Ratio Lower Upper

130 100

95 102.3 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) (-)

8.84

100000

80000

60000

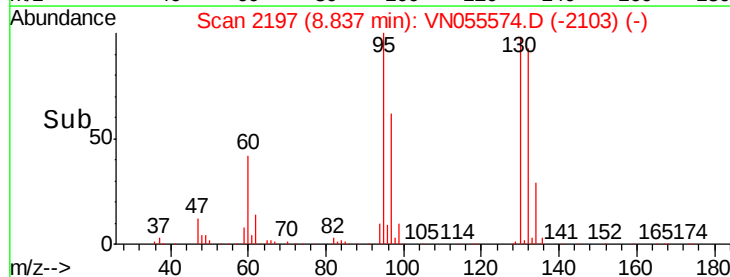
40000

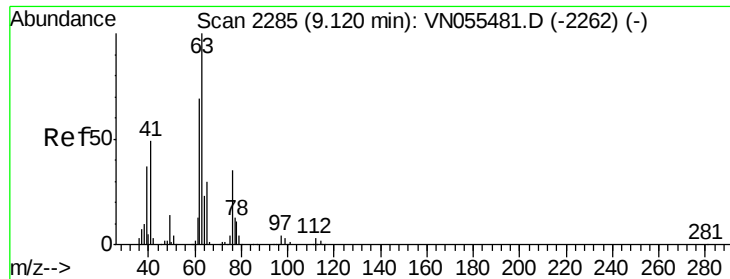
20000

0

8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 19.119 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

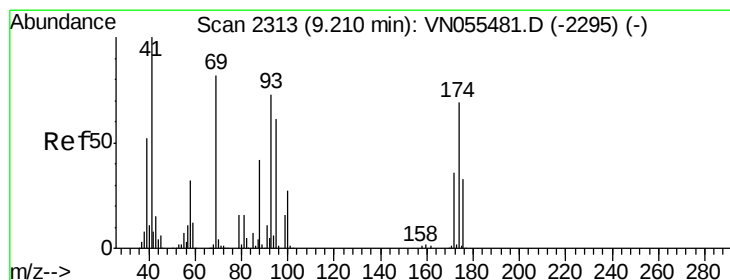
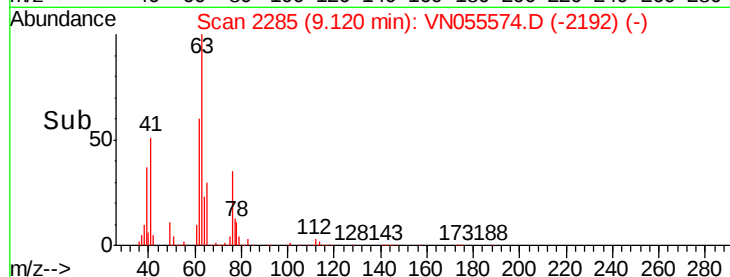
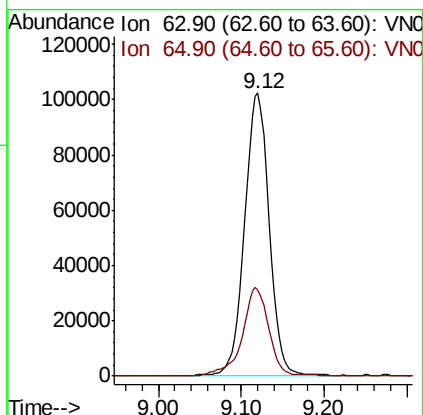
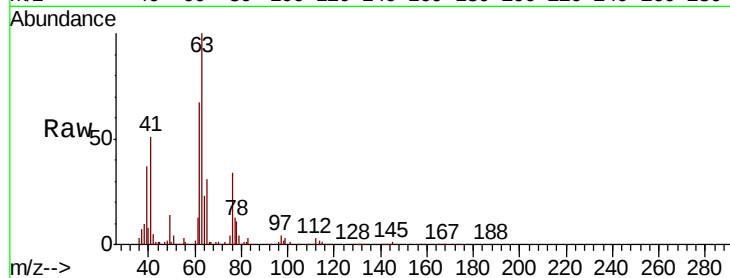
VN0513MBSD01

Tot Ion: 63 Resp: 211336

Ion Ratio Lower Upper

63 100

65 30.4 24.1 36.1



#46

Dibromomethane

Concen: 19.458 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

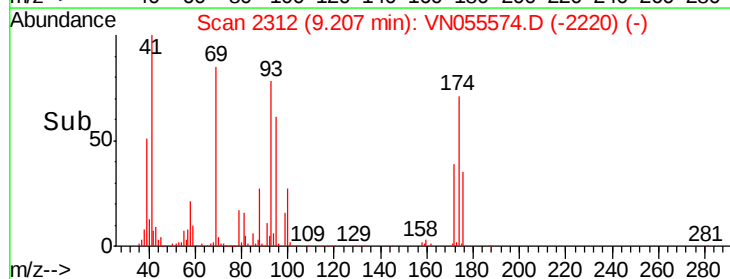
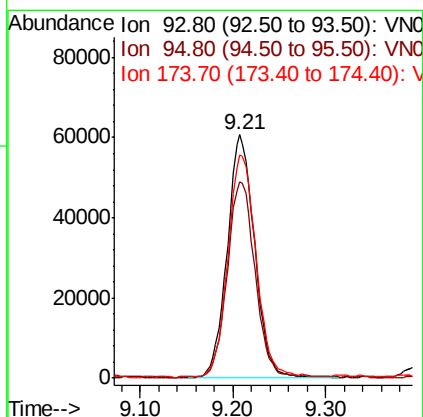
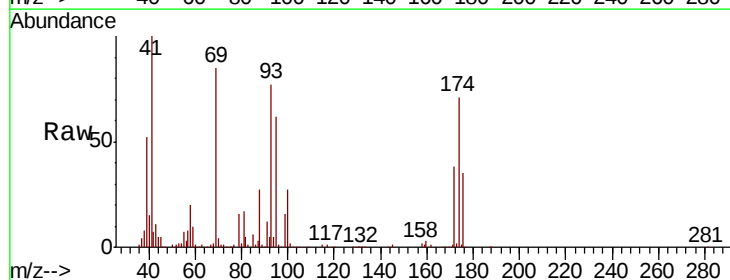
Tgt Ion: 93 Resp: 124671

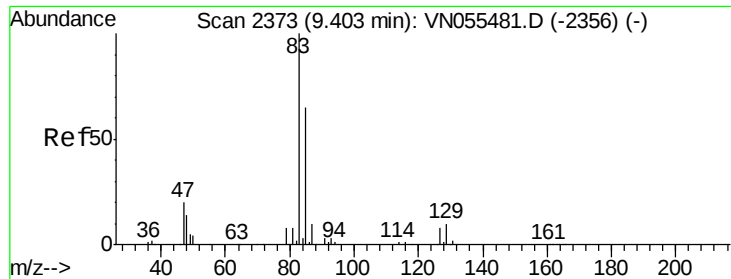
Ion Ratio Lower Upper

93 100

95 80.5 64.8 97.2

174 92.7 75.0 112.6





#47

Bromodichloromethane

Concen: 18.979 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

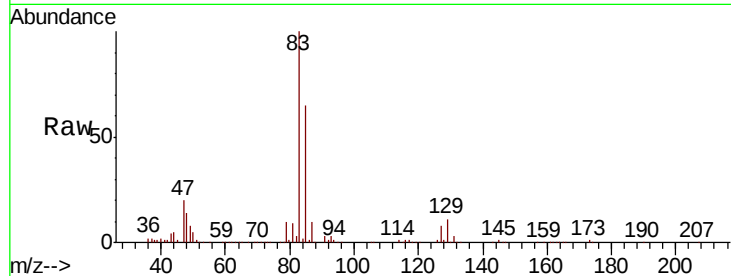
Tot Ion: 83 Resp: 232636

Ion Ratio Lower Upper

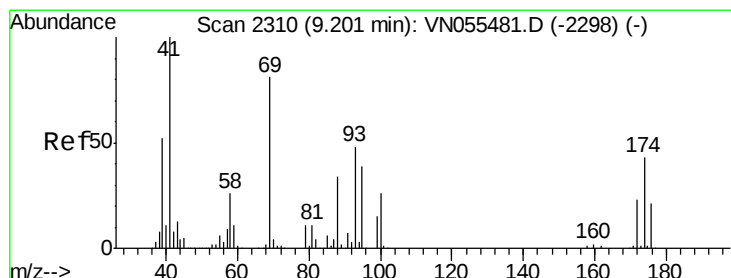
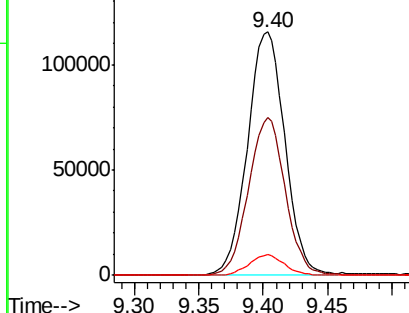
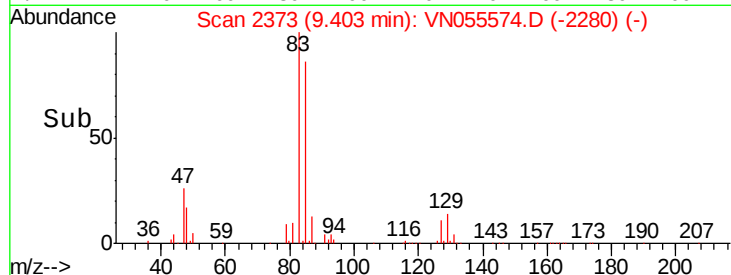
83 100

85 65.0 52.2 78.2

127 8.4 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): V



#48

Methyl methacrylate

Concen: 17.207 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

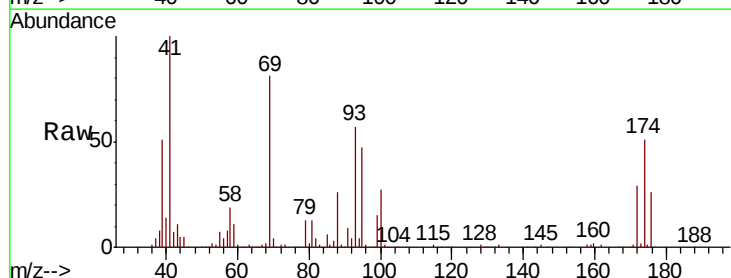
Tgt Ion: 41 Resp: 171019

Ion Ratio Lower Upper

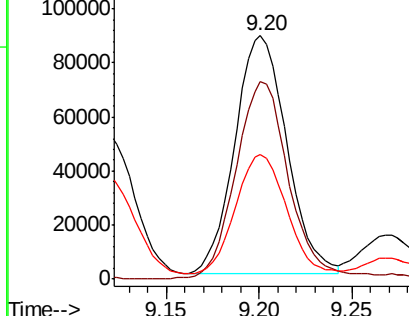
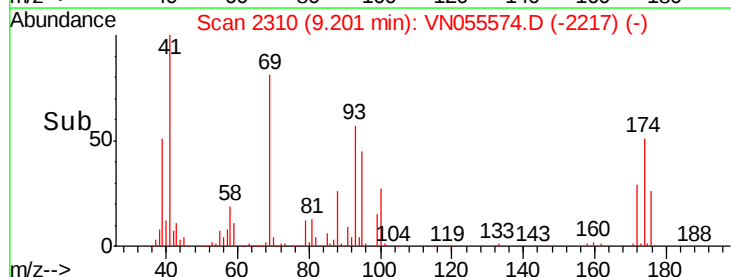
41 100

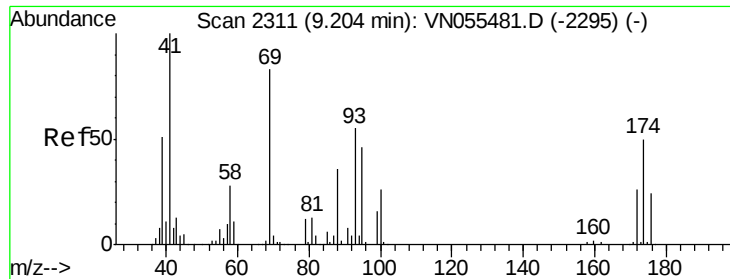
69 85.1 64.2 96.2

39 52.5 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

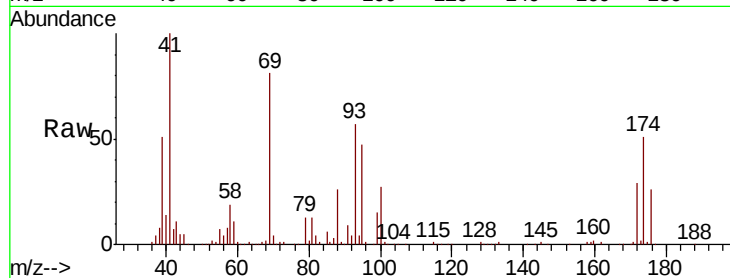




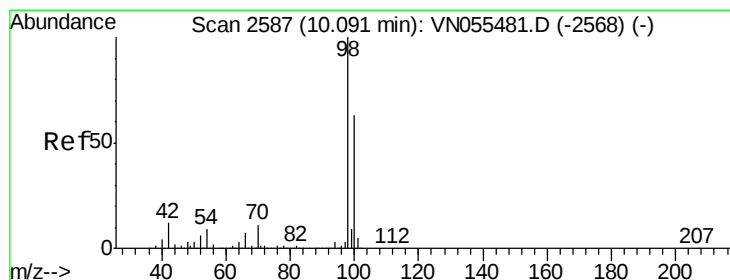
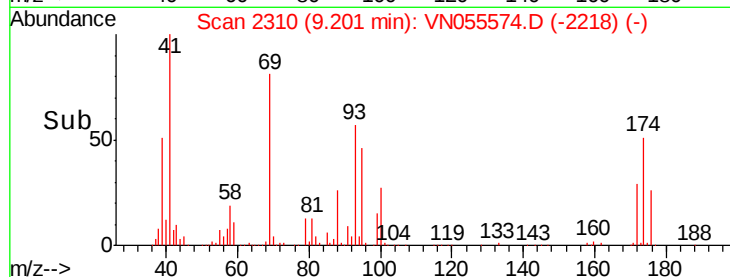
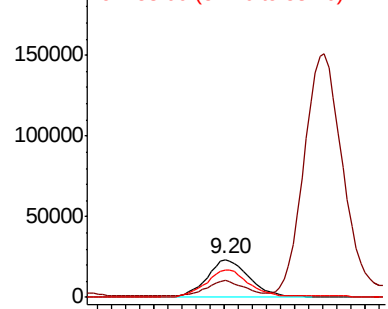
#49
1,4-Dioxane
Concen: 254.979 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBSD01

Tot Ion: 88 Resp: 49394
Ion Ratio Lower Upper
88 100
43 35.8 27.8 41.8
58 74.6 61.8 92.6

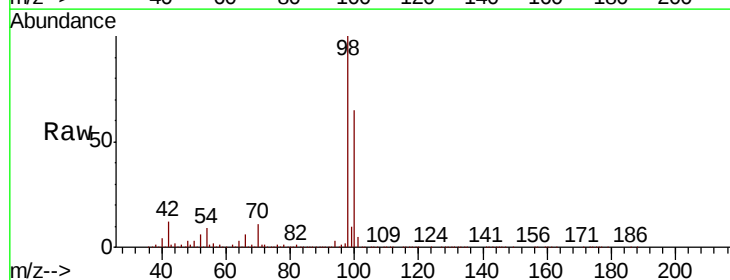


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

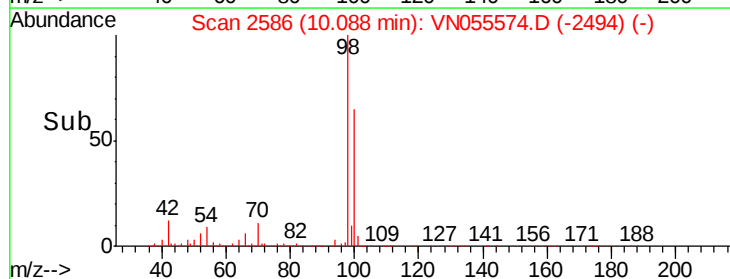
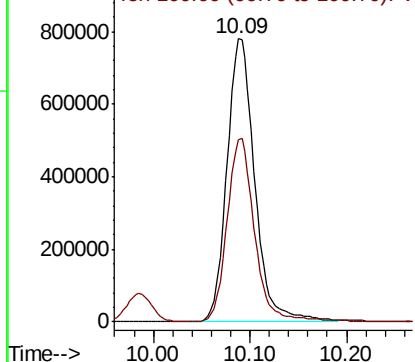


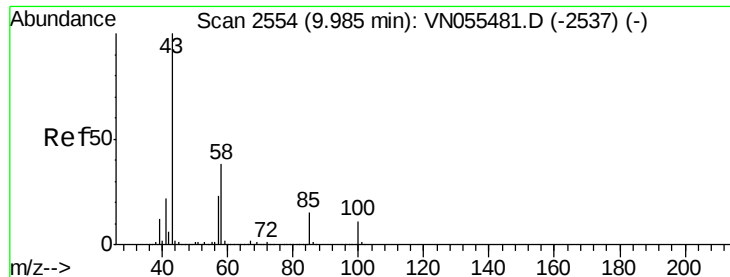
#50
Toluene-d8
Concen: 49.187 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

Tgt Ion: 98 Resp: 1562301
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



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





#51

4-Methyl-2-Pentanone

Concen: 84.995 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

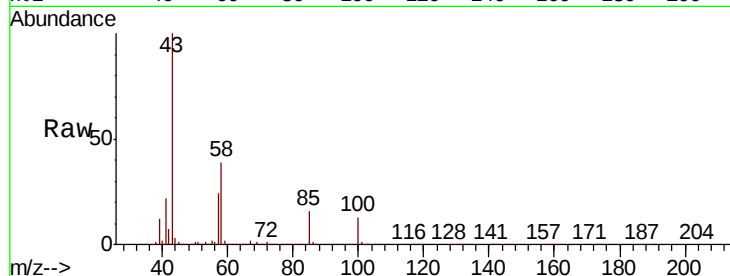
VN0513MBSD01

Tot Ion: 43 Resp: 1153160

Ion Ratio Lower Upper

43 100

58 39.0 29.9 44.9



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

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

9.99

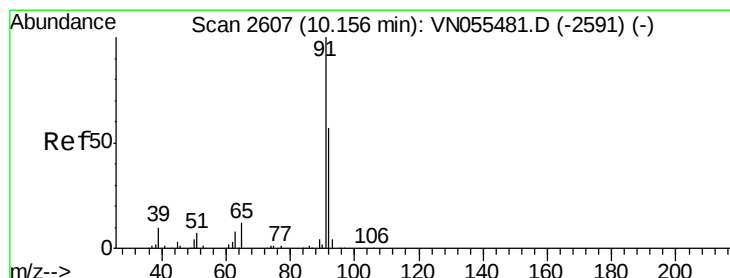
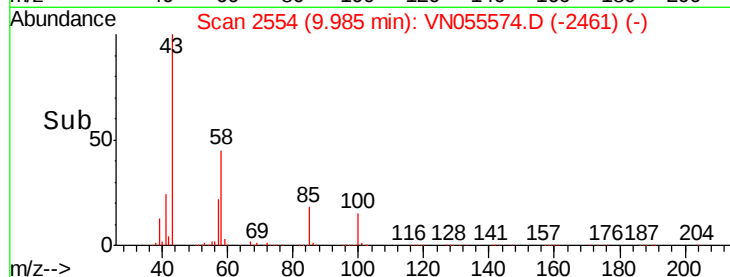
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 19.794 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055574.D

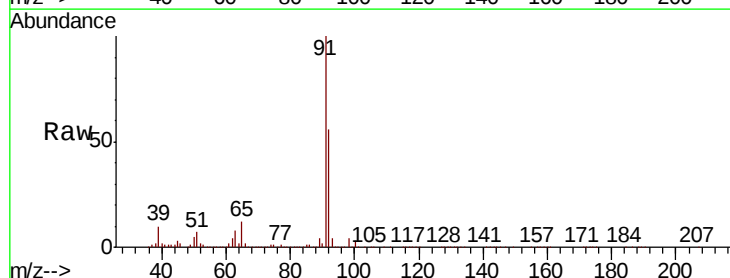
Acq: 13 May 2019 12:53

Tgt Ion: 92 Resp: 437171

Ion Ratio Lower Upper

92 100

91 176.4 140.5 210.7



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

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

10.16

400000

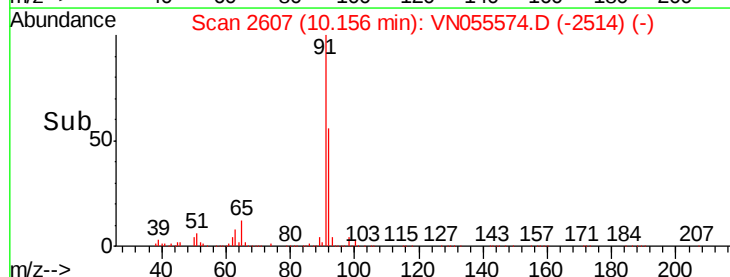
300000

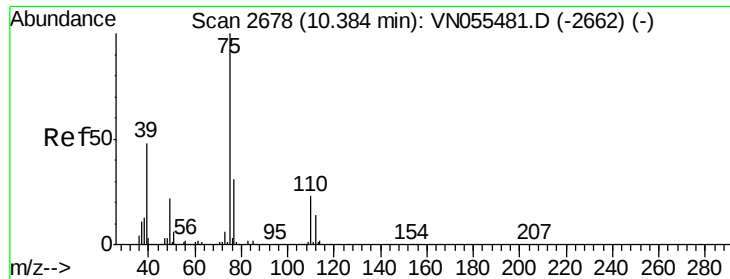
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.365 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

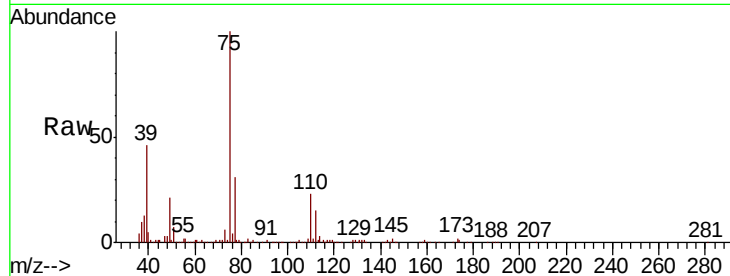
VN0513MBSD01

Tot Ion: 75 Resp: 227970

Ion Ratio Lower Upper

75 100

77 30.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

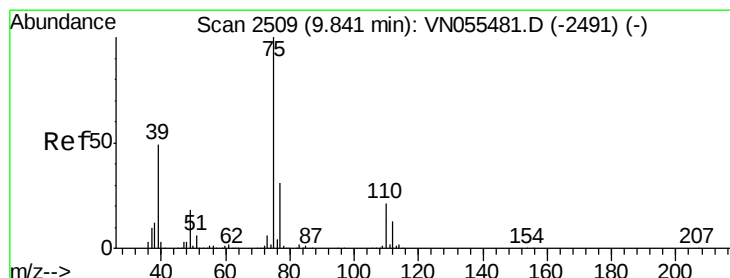
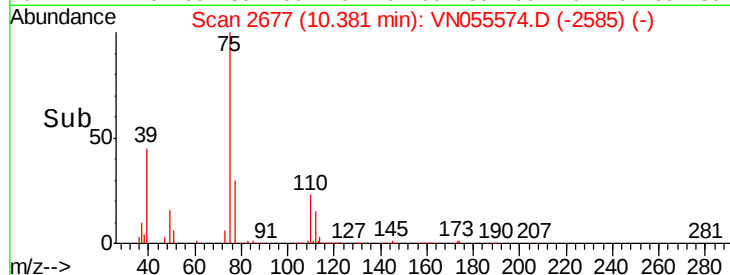
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.542 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

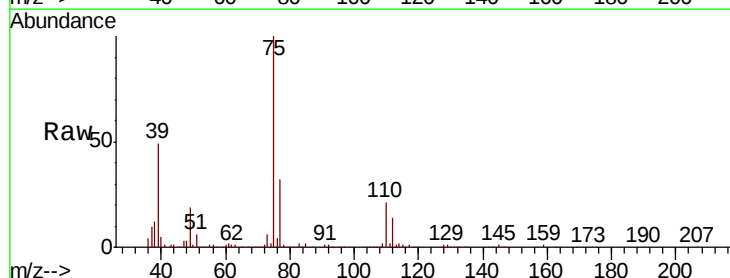
Tgt Ion: 75 Resp: 274905

Ion Ratio Lower Upper

75 100

77 31.3 24.4 36.6

39 48.3 39.5 59.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

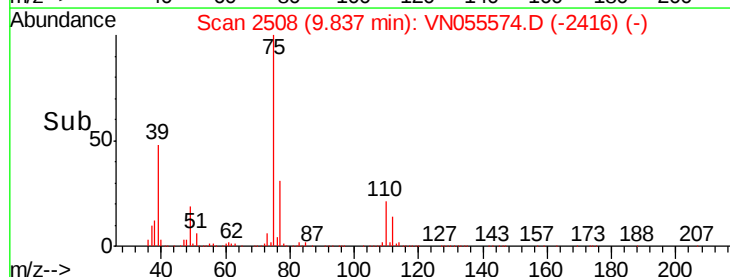
150000

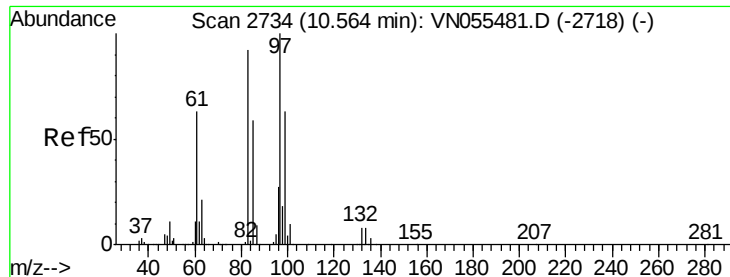
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.597 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

Tot Ion: 97 Resp: 175364

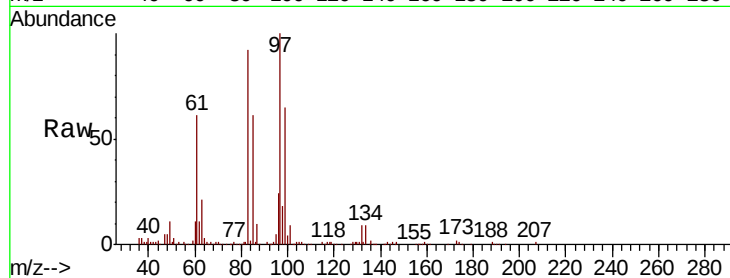
Ion Ratio Lower Upper

97 100

83 92.0 73.2 109.8

85 60.7 47.5 71.3

99 65.2 50.2 75.2

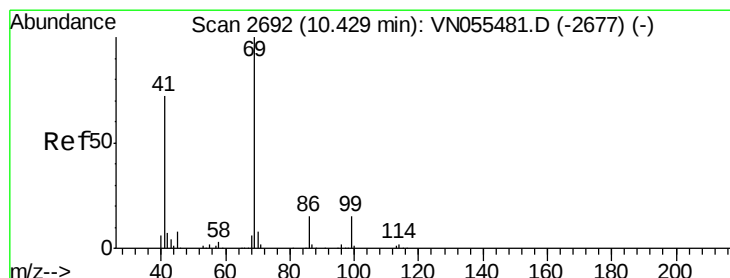
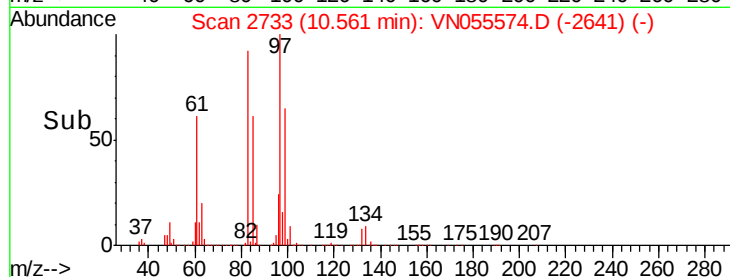
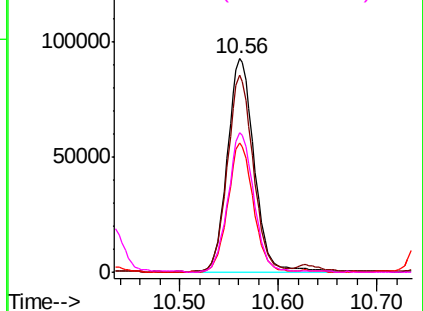


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 18.690 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

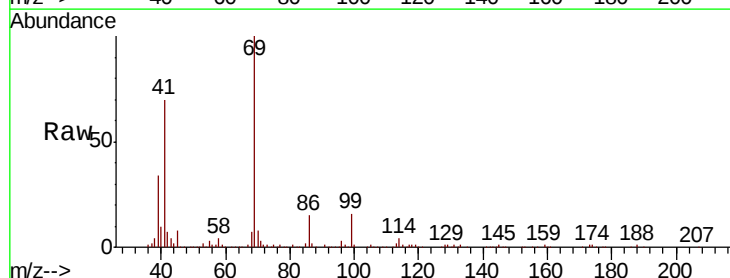
Tgt Ion: 69 Resp: 248771

Ion Ratio Lower Upper

69 100

41 68.0 56.2 84.2

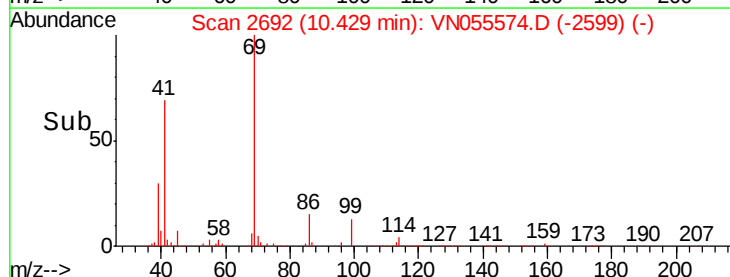
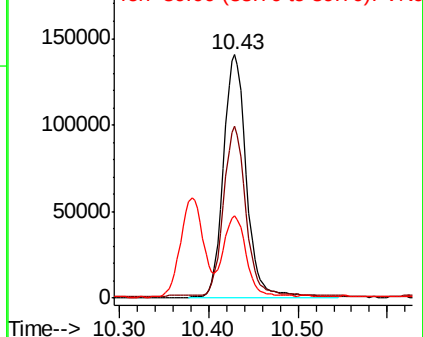
39 31.5 27.8 41.6

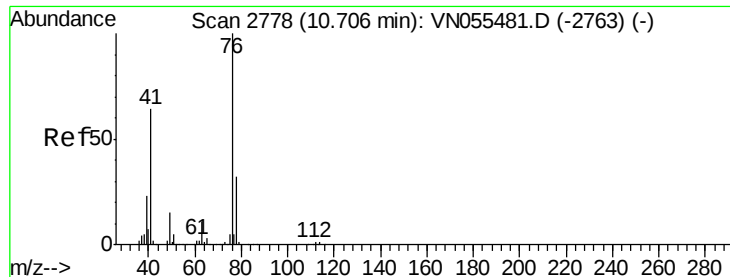


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.616 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

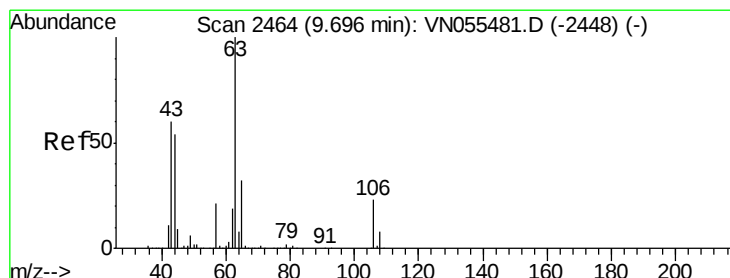
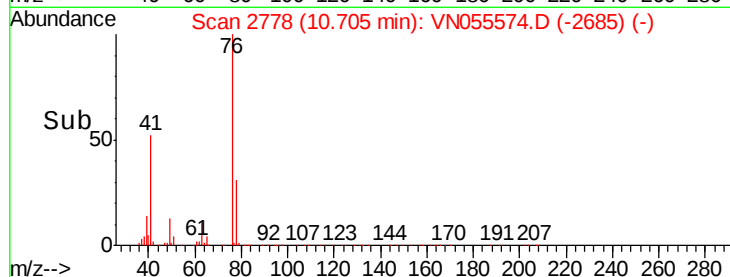
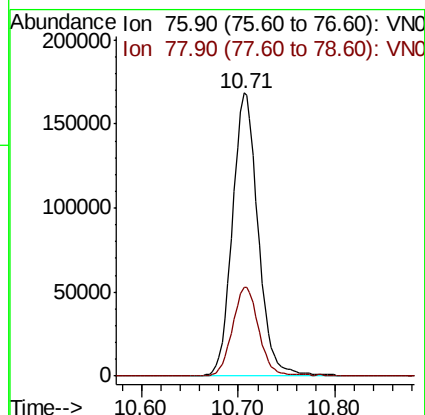
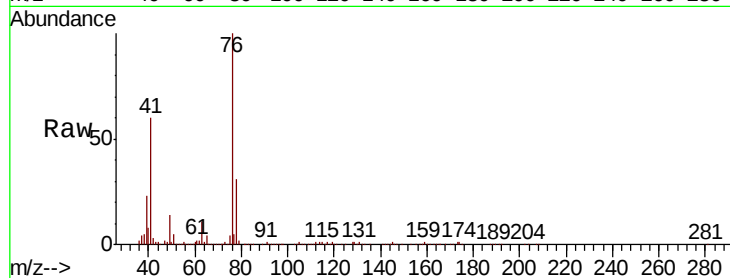
VN0513MBSD01

Tot Ion: 76 Resp: 311639

Ion Ratio Lower Upper

76 100

78 31.4 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 78.174 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055574.D

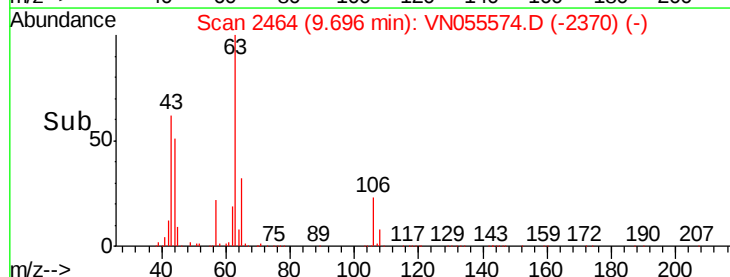
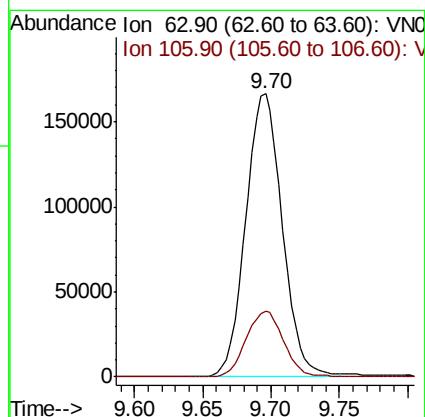
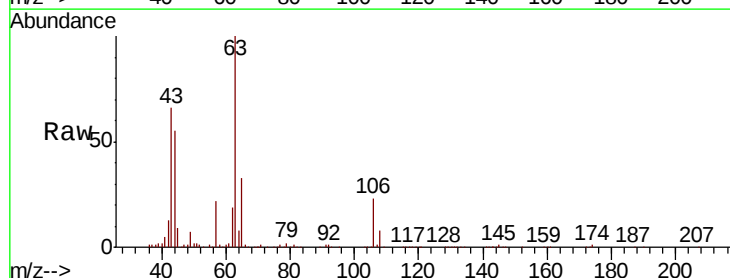
Acq: 13 May 2019 12:53

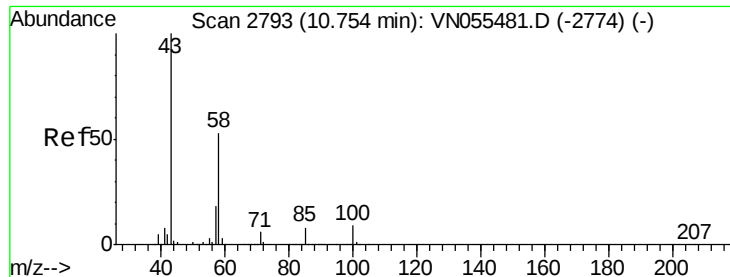
Tgt Ion: 63 Resp: 309715

Ion Ratio Lower Upper

63 100

106 24.0 18.6 27.8





#59

2-Hexanone

Concen: 81.104 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

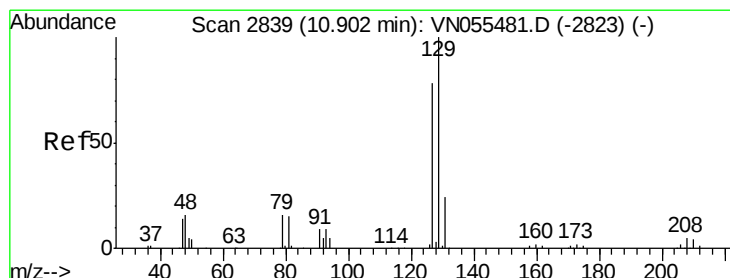
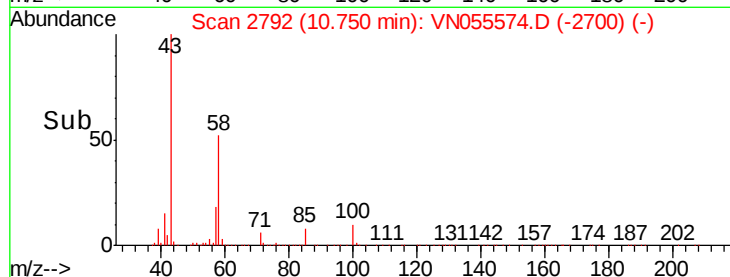
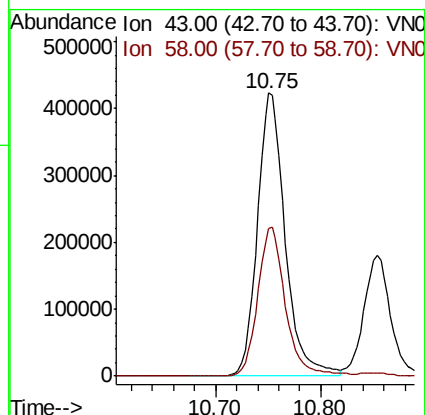
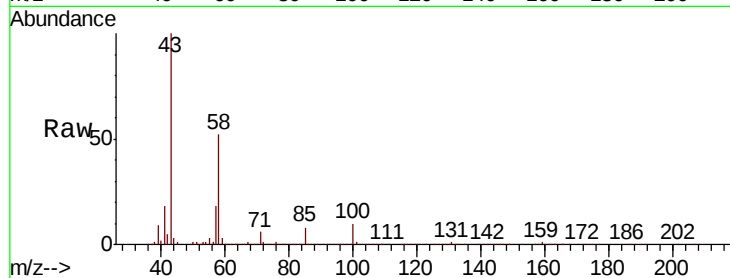
VN0513MBSD01

Tot Ion: 43 Resp: 771684

Ion Ratio Lower Upper

43 100

58 52.9 26.4 79.0



#60

Dibromochloromethane

Concen: 19.470 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055574.D

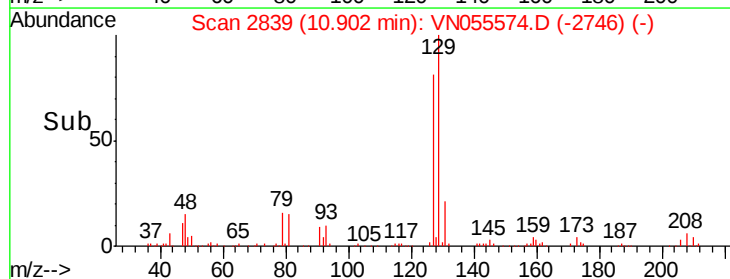
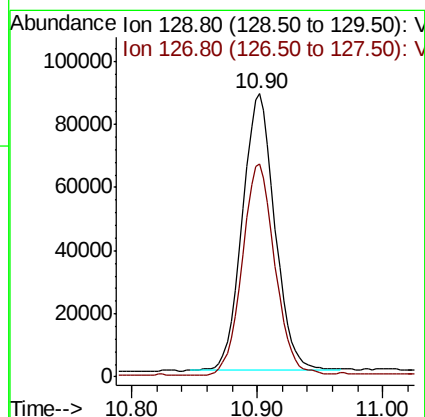
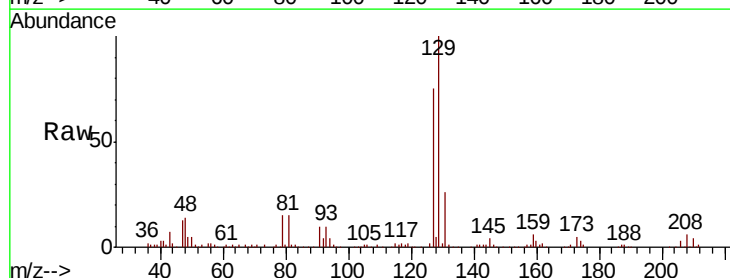
Acq: 13 May 2019 12:53

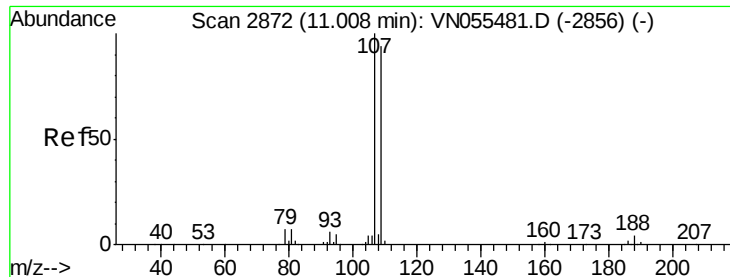
Tgt Ion: 129 Resp: 158410

Ion Ratio Lower Upper

129 100

127 76.9 38.6 116.0

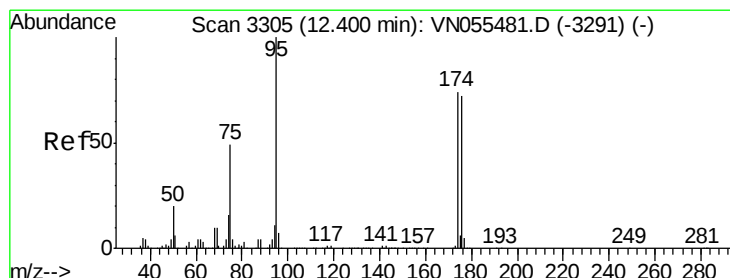
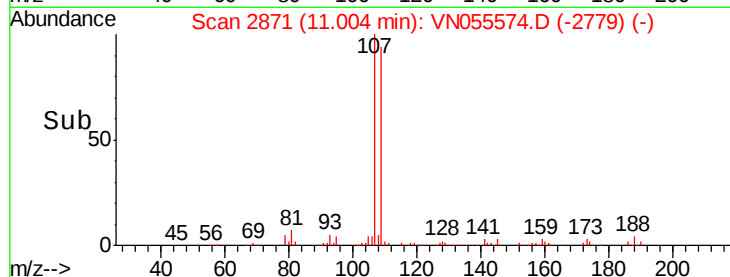
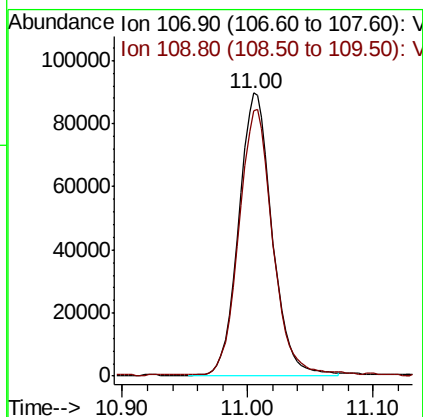
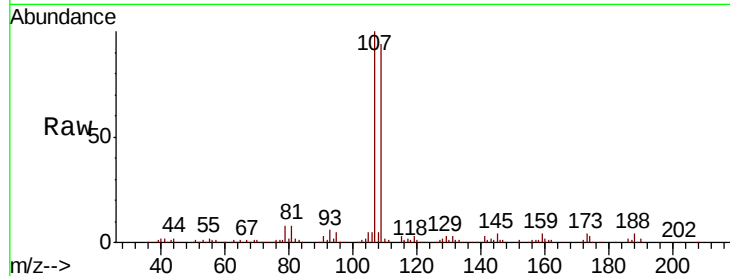




#61
 1,2-Dibromoethane
 Concen: 19.185 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

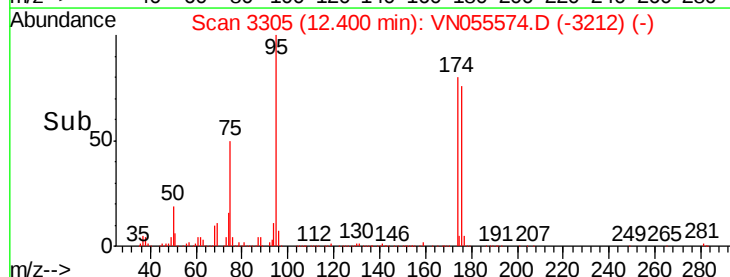
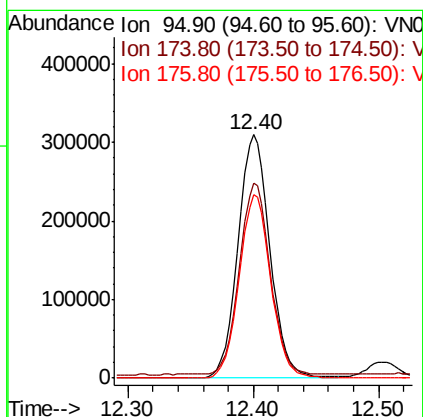
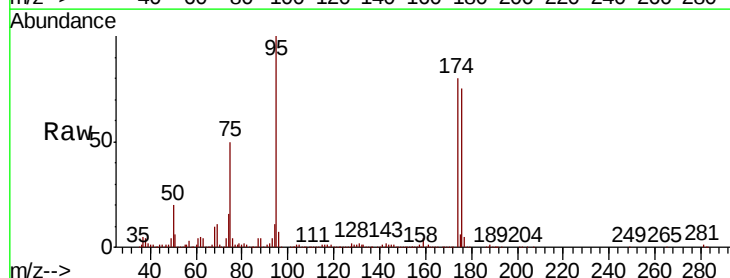
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBSD01

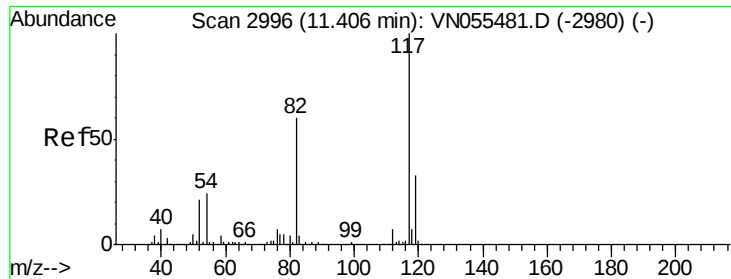
Tot Ion:107 Resp: 164951
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 50.495 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Tgt Ion: 95 Resp: 540793
 Ion Ratio Lower Upper
 95 100
 174 76.9 0.0 152.2
 176 75.6 0.0 147.8

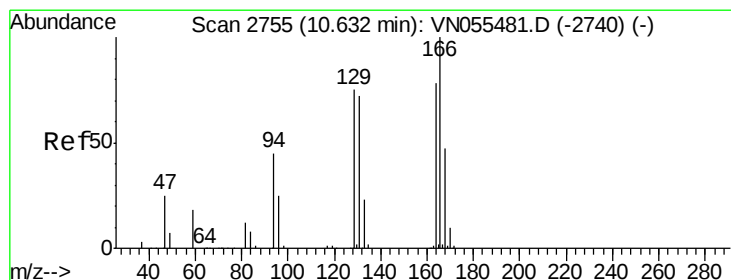
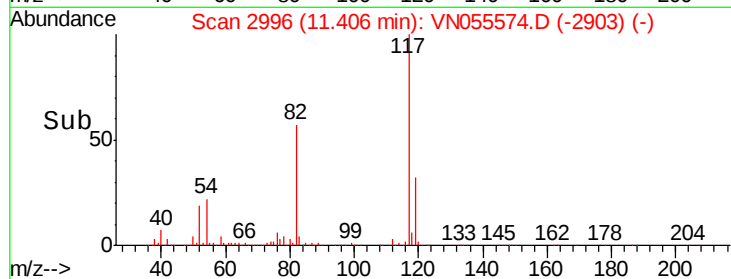
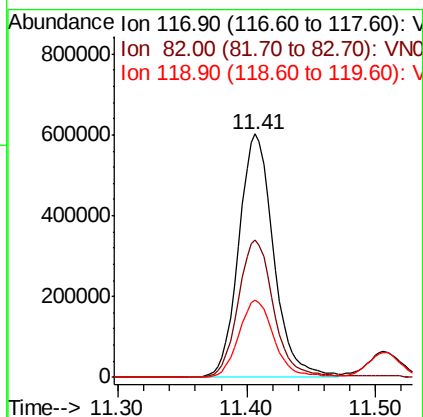
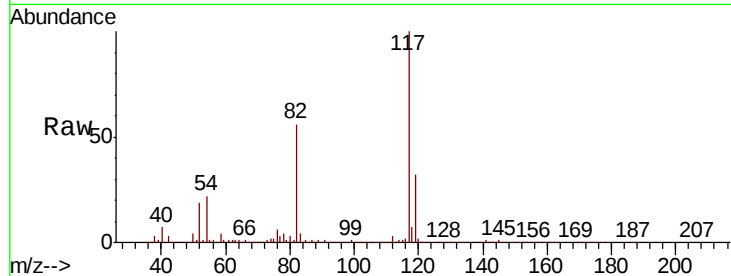




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

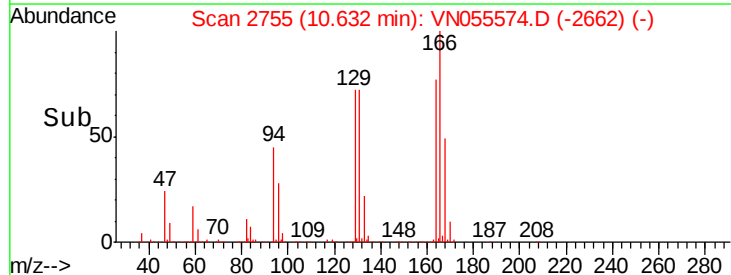
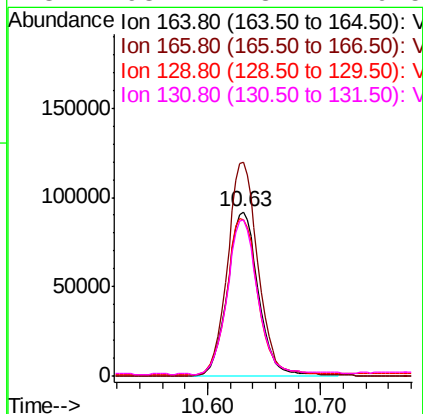
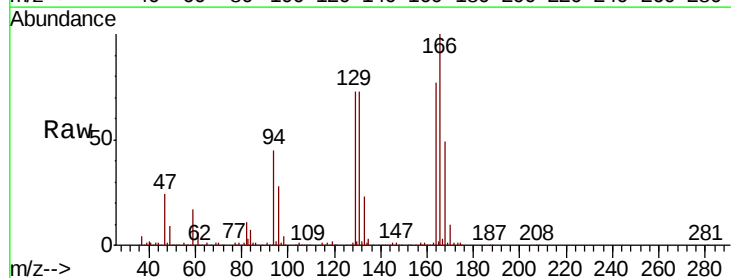
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBSD01

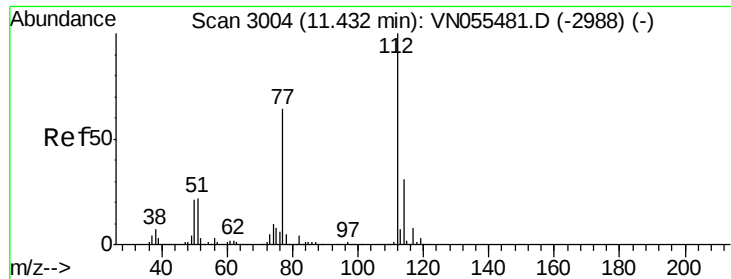
Tot Ion:117 Resp: 1122483
Ion Ratio Lower Upper
117 100
82 56.4 48.0 72.0
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 18.919 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

Tgt Ion:164 Resp: 174007
Ion Ratio Lower Upper
164 100
166 130.0 102.6 153.8
129 94.1 77.0 115.6
131 93.7 73.7 110.5





#65

Chlorobenzene

Concen: 19.868 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

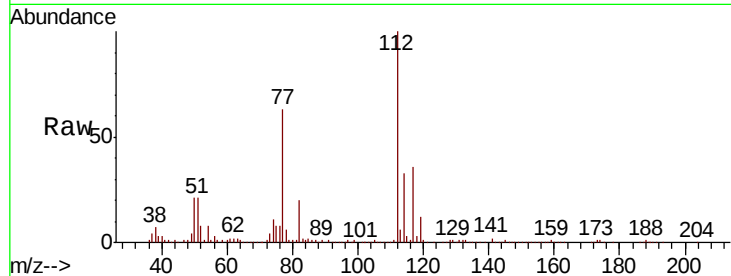
VN0513MBSD01

Tot Ion:112 Resp: 458830

Ion Ratio Lower Upper

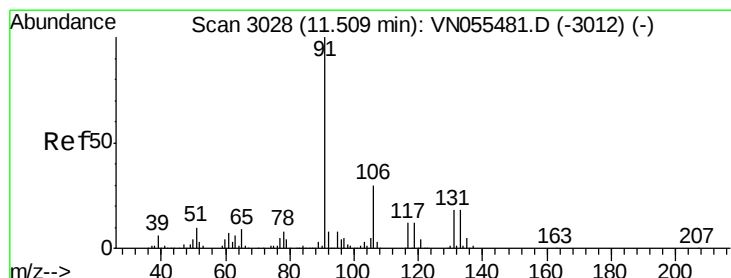
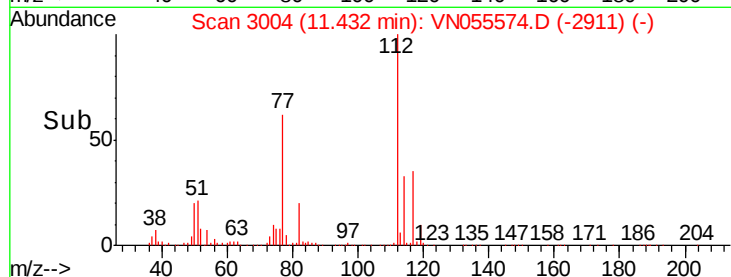
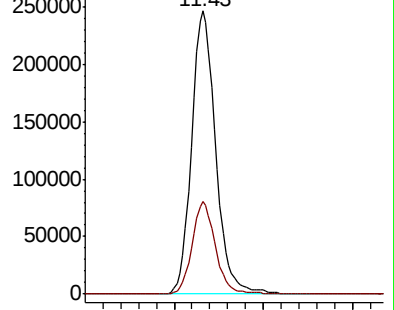
112 100

114 32.6 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.572 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

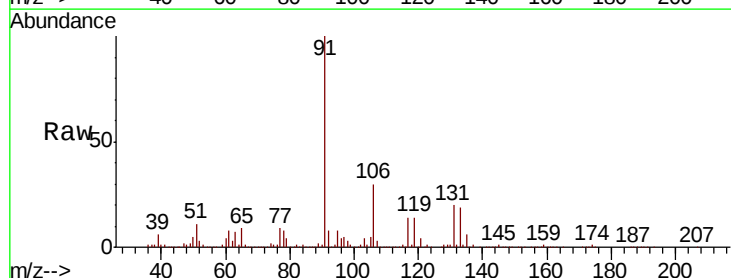
Tgt Ion:131 Resp: 155603

Ion Ratio Lower Upper

131 100

133 94.8 47.4 142.2

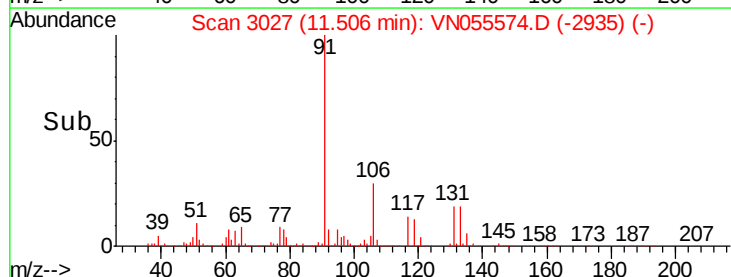
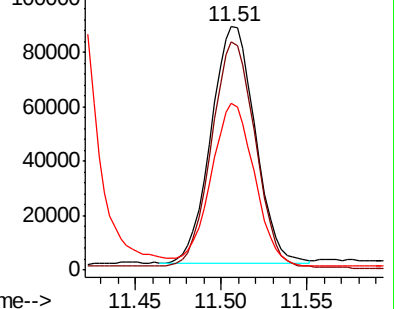
119 68.5 34.1 102.2

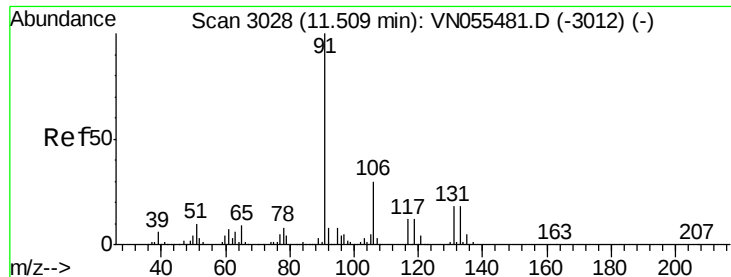


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.281 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

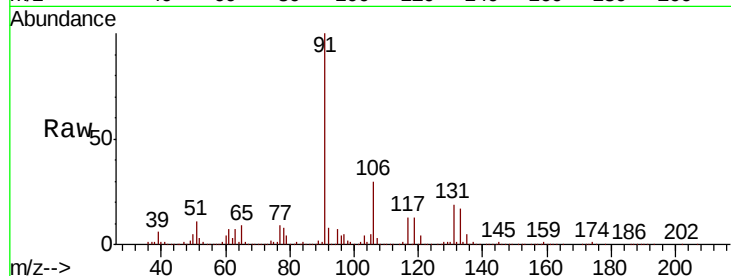
VN0513MBSD01

Tot Ion: 91 Resp: 836286

Ion Ratio Lower Upper

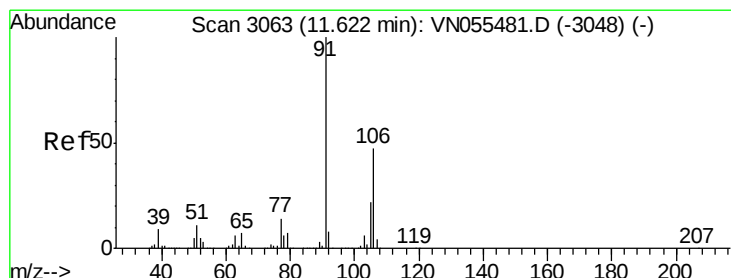
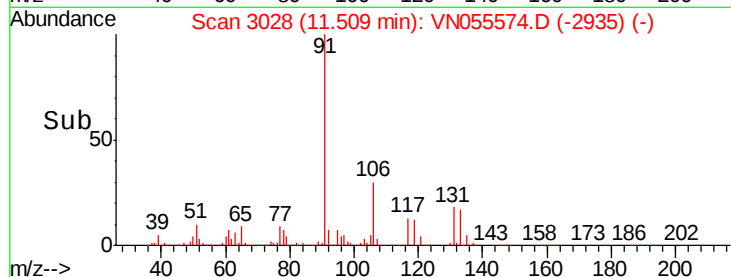
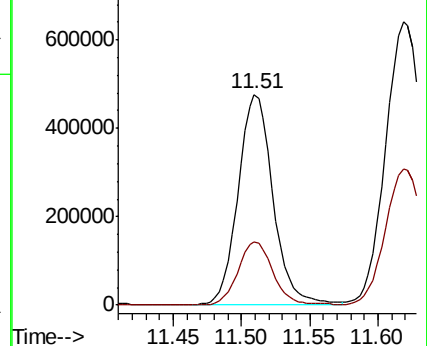
91 100

106 30.1 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) (-)



#68

m/p-Xylenes

Concen: 39.601 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055574.D

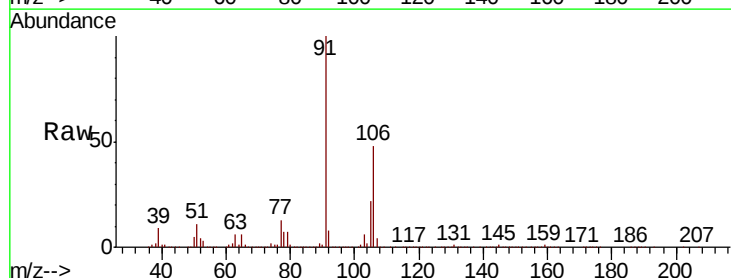
Acq: 13 May 2019 12:53

Tgt Ion:106 Resp: 616403

Ion Ratio Lower Upper

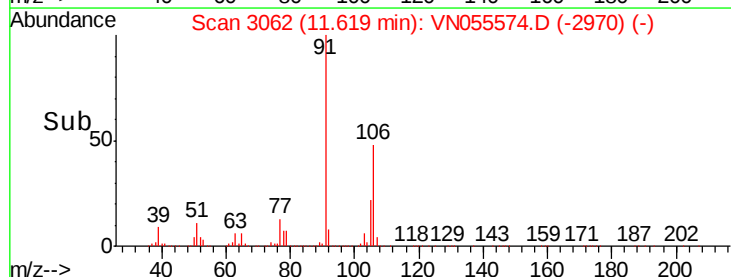
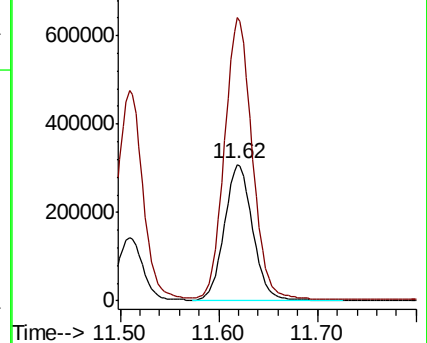
106 100

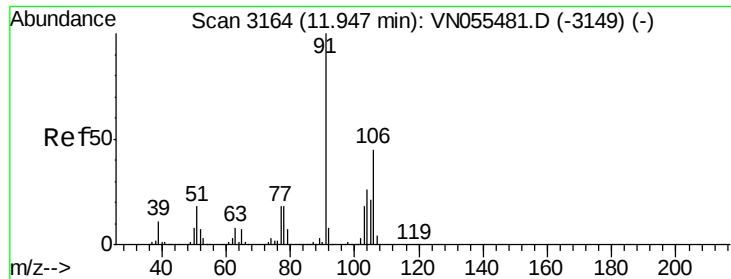
91 203.6 169.2 253.8



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

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

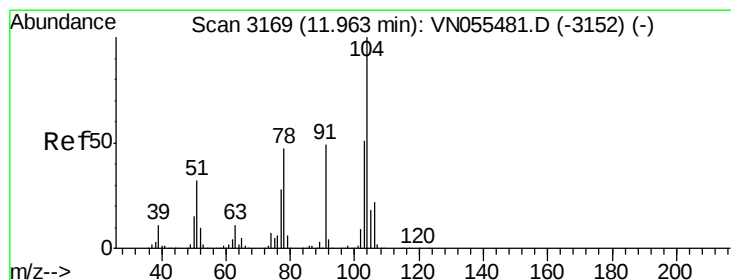
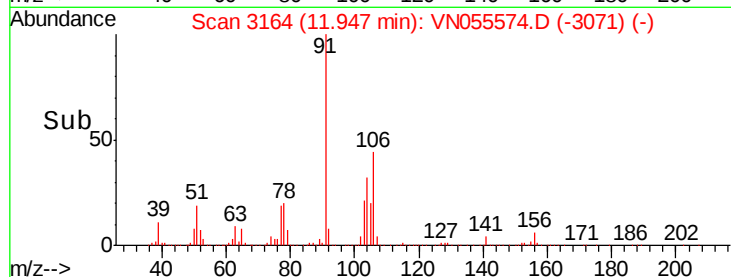
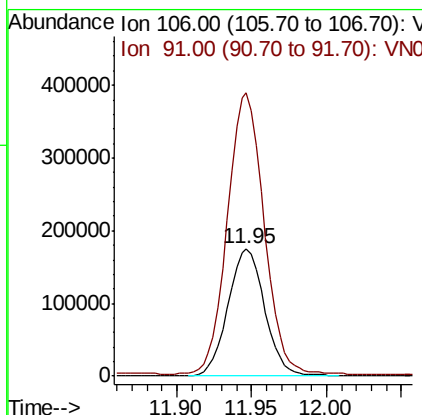
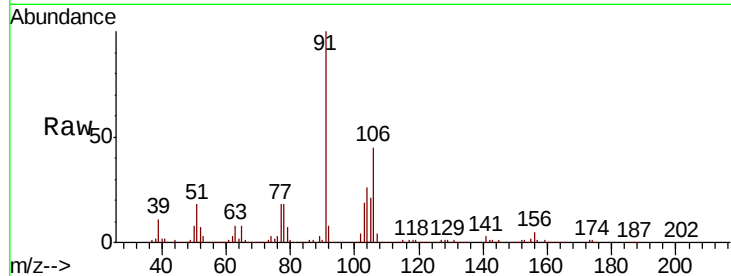




#69
o-Xylene
Concen: 19.255 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

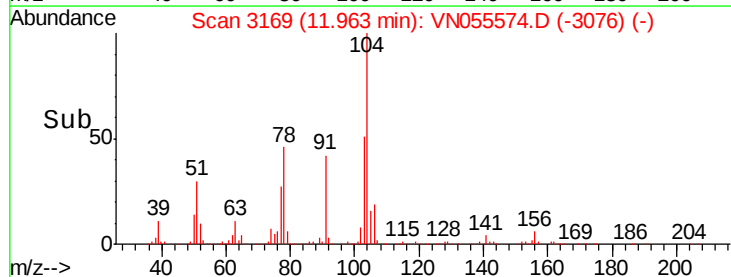
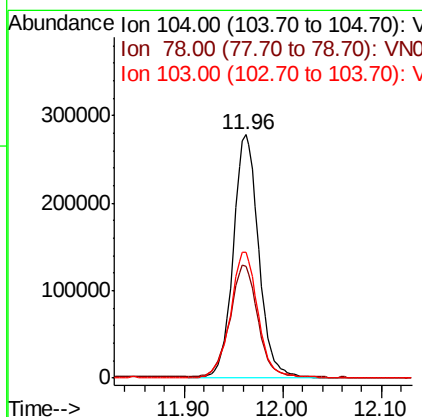
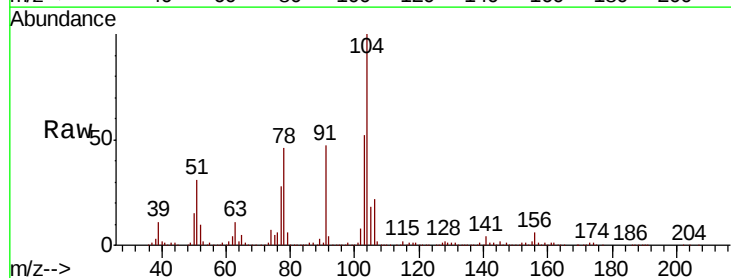
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBSD01

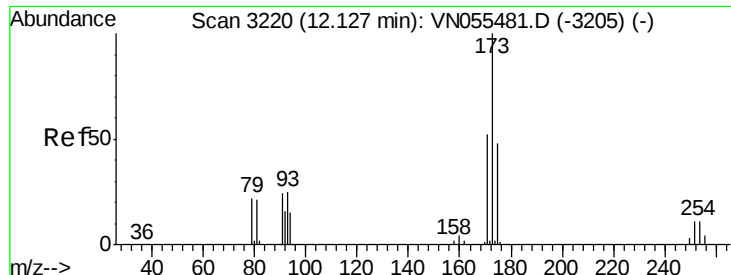
Tot Ion:106 Resp: 294578
Ion Ratio Lower Upper
106 100
91 223.8 111.3 333.8



#70
Styrene
Concen: 20.277 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

Tgt Ion:104 Resp: 496995
Ion Ratio Lower Upper
104 100
78 50.6 41.6 62.4
103 55.5 44.4 66.6





#71

Bromoform

Concen: 19.468 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

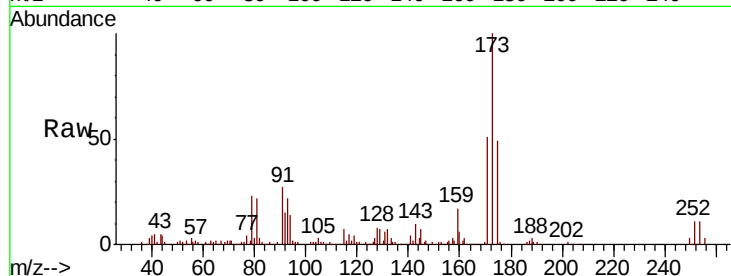
Tot Ion:173 Resp: 104442

Ion Ratio Lower Upper

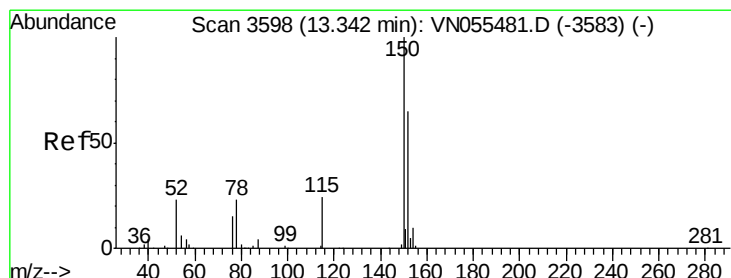
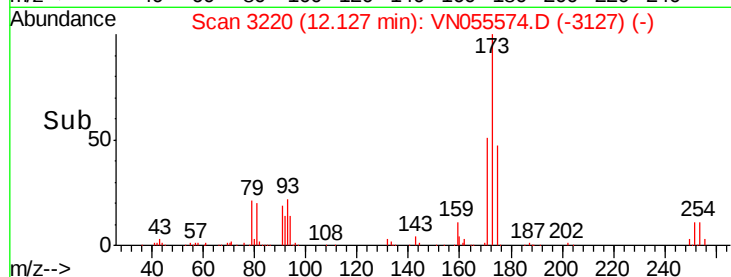
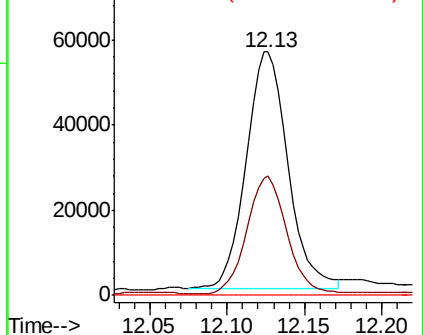
173 100

175 47.1 24.1 72.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

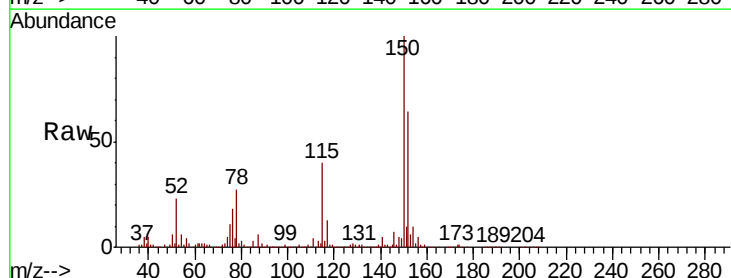
Tgt Ion:152 Resp: 461856

Ion Ratio Lower Upper

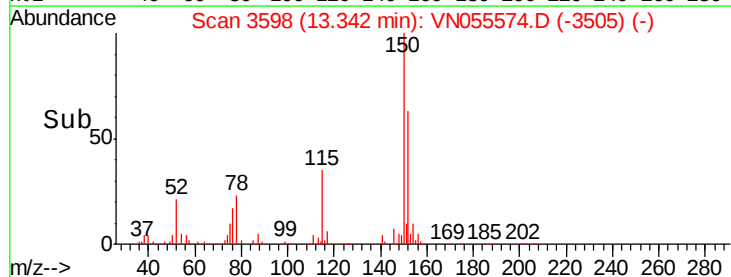
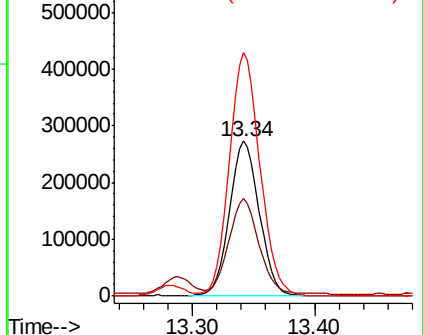
152 100

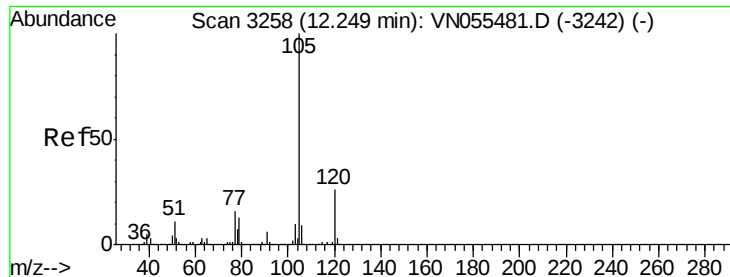
115 62.9 30.1 90.5

150 162.1 0.0 355.0



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





#73

Isopropylbenzene

Concen: 19.277 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

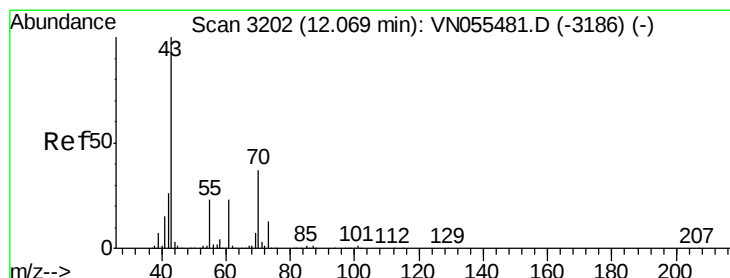
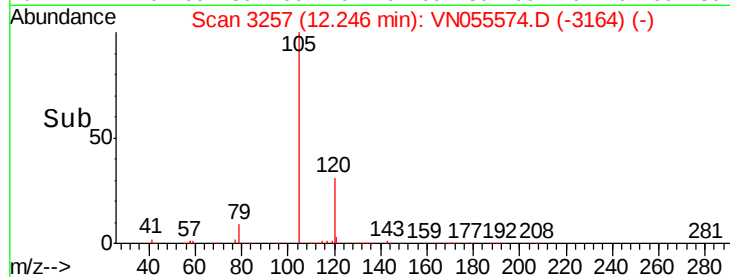
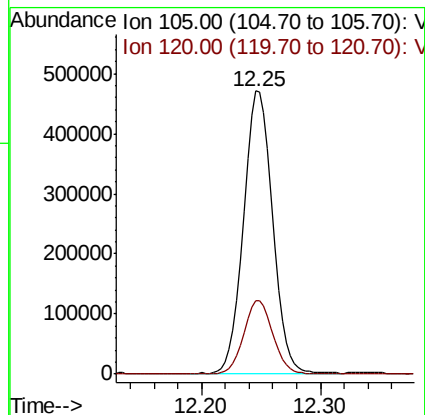
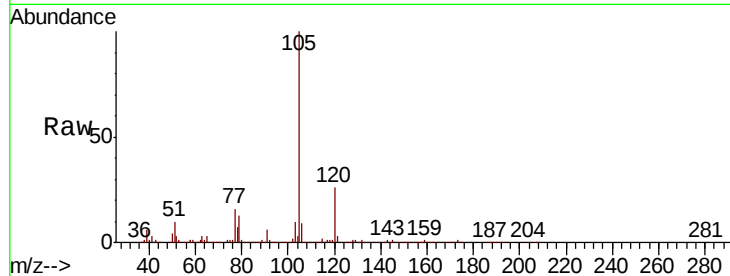
VN0513MBSD01

Tot Ion:105 Resp: 792740

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 15.672 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Tgt Ion: 43 Resp: 274804

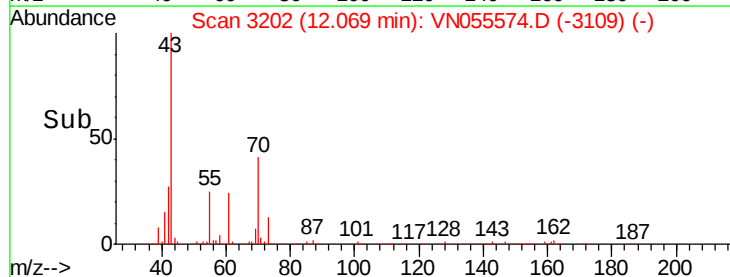
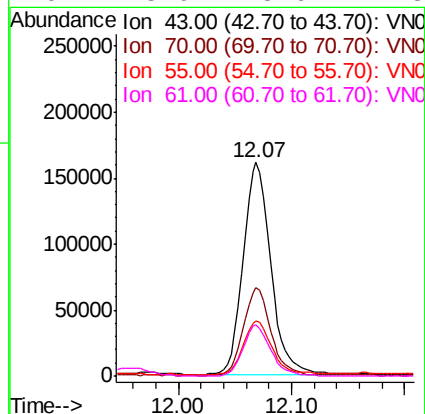
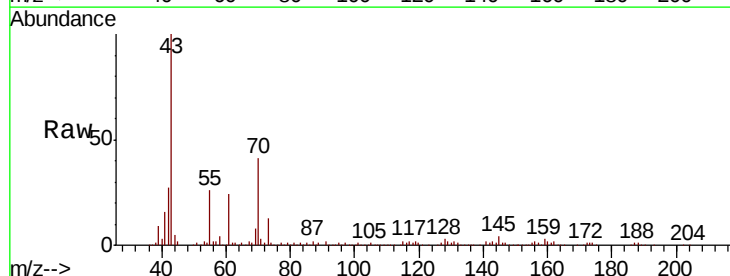
Ion Ratio Lower Upper

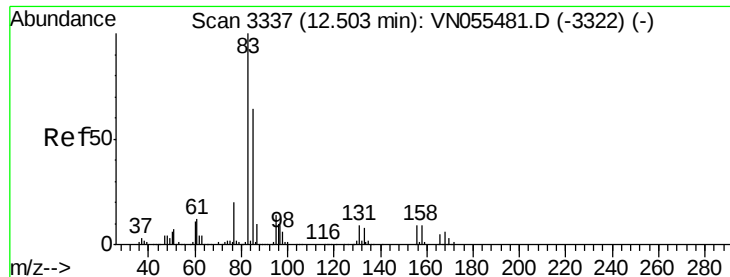
43 100

70 41.9 30.7 46.1

55 26.0 19.3 28.9

61 23.9 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 17.804 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

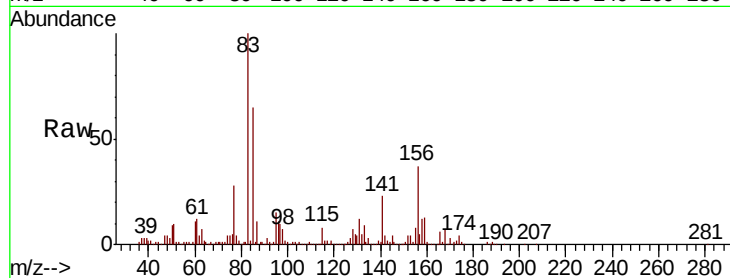
Tot Ion: 83 Resp: 239948

Ion Ratio Lower Upper

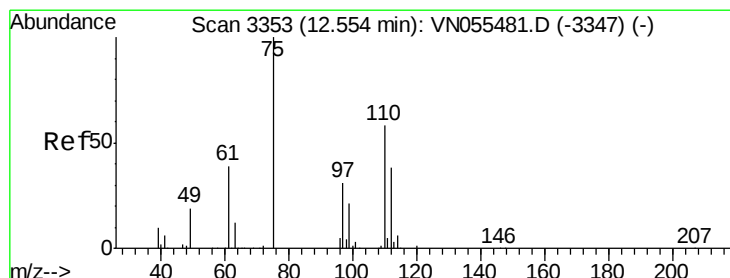
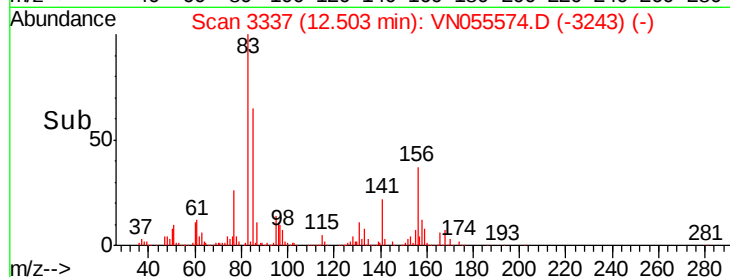
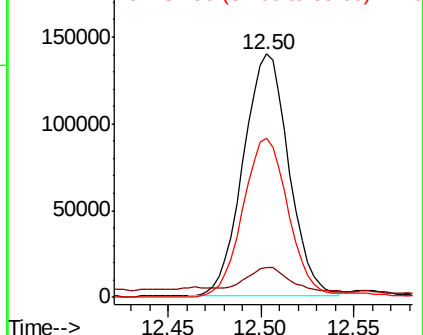
83 100

131 9.5 4.5 13.5

85 65.0 32.0 96.0



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



#76

1,2,3-Trichloropropane

Concen: 23.283 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055574.D

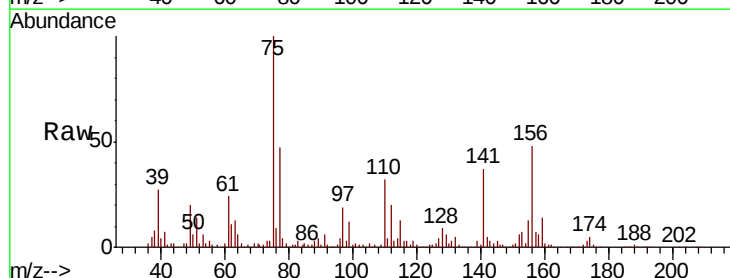
Acq: 13 May 2019 12:53

Tgt Ion: 75 Resp: 292749

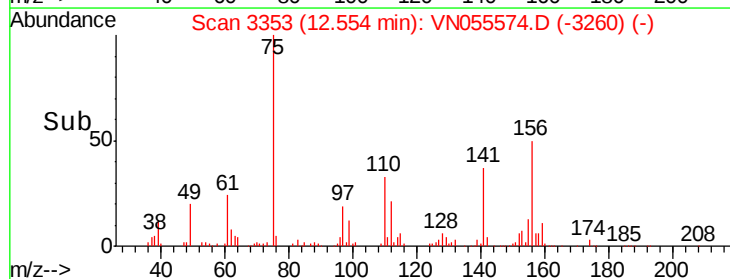
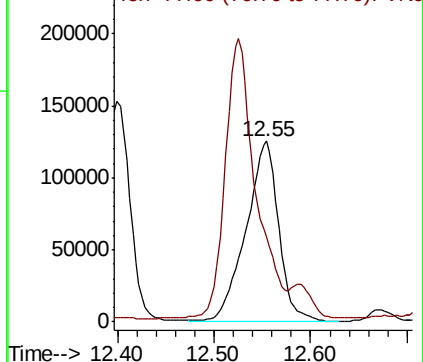
Ion Ratio Lower Upper

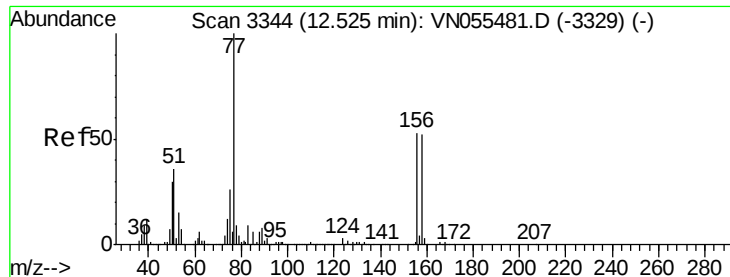
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 49.945 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

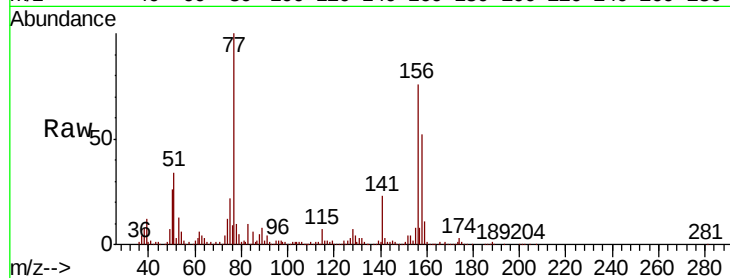
Tot Ion:156 Resp: 508358

Ion Ratio Lower Upper

156 100

77 84.3 115.4 346.2#

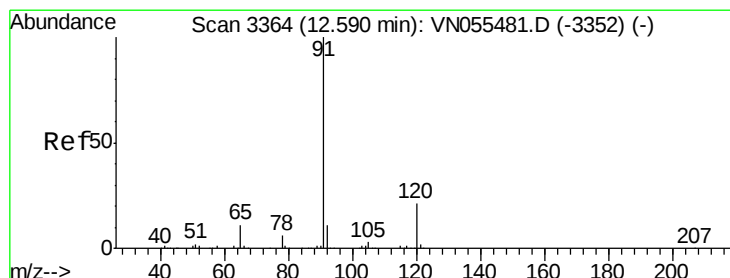
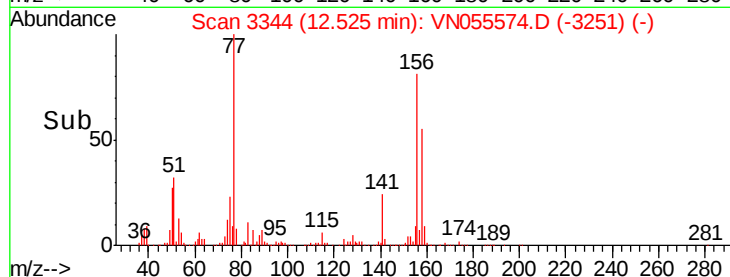
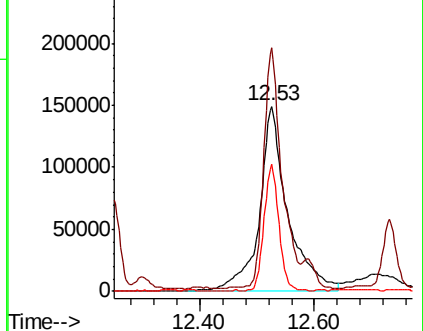
158 35.8 48.7 146.1#



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: 17.884 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055574.D

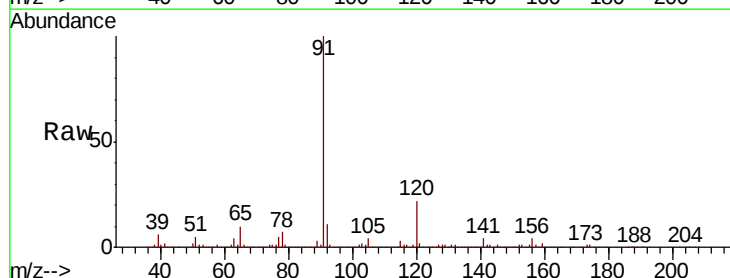
Acq: 13 May 2019 12:53

Tgt Ion: 91 Resp: 885902

Ion Ratio Lower Upper

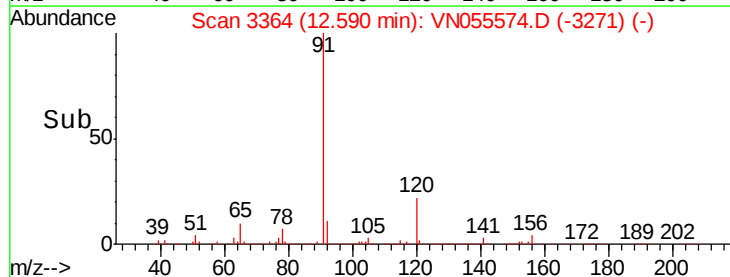
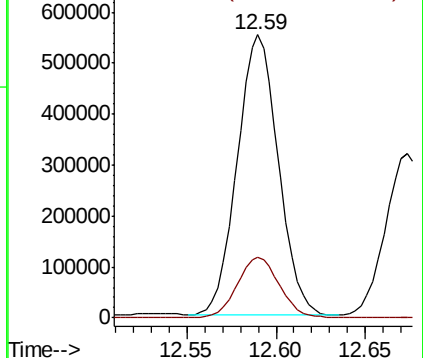
91 100

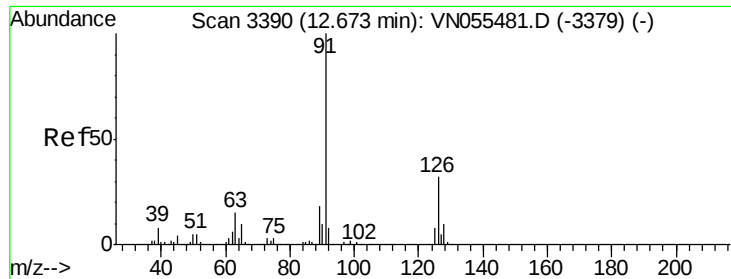
120 22.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.354 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

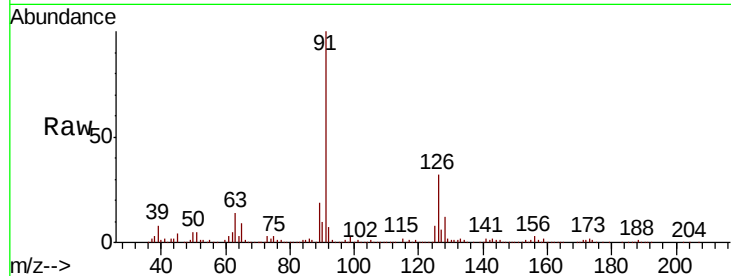
VN0513MBSD01

Tot Ion: 91 Resp: 535741

Ion Ratio Lower Upper

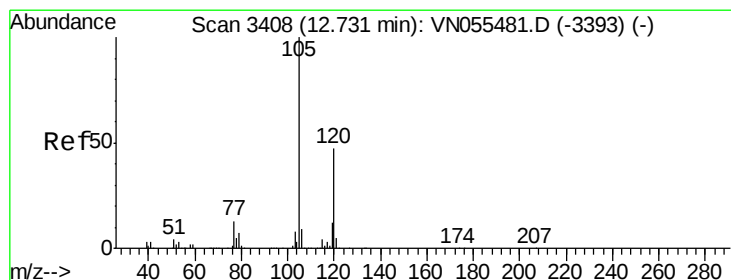
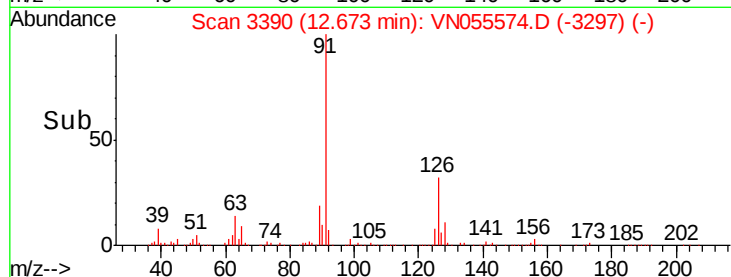
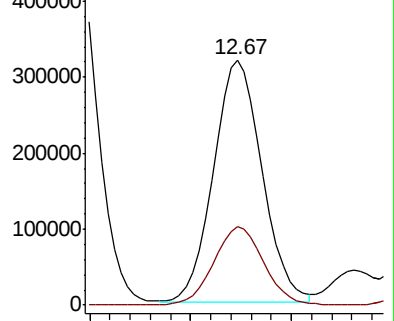
91 100

126 33.1 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055481.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.440 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055574.D

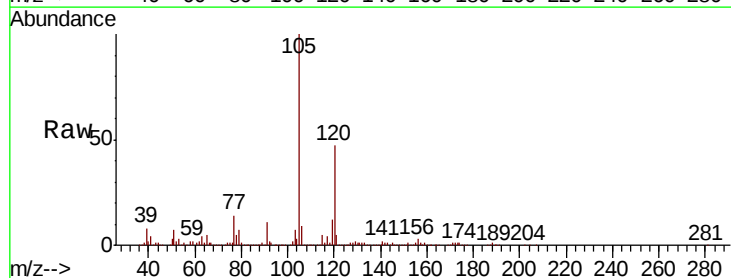
Acq: 13 May 2019 12:53

Tgt Ion: 105 Resp: 681137

Ion Ratio Lower Upper

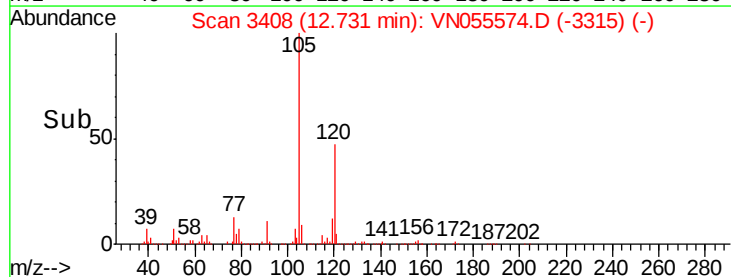
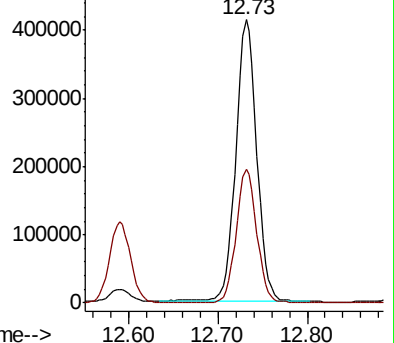
105 100

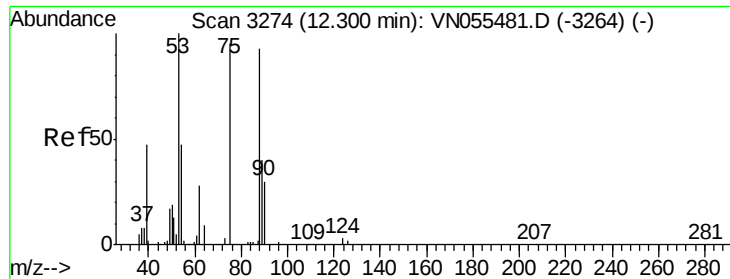
120 46.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.200 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

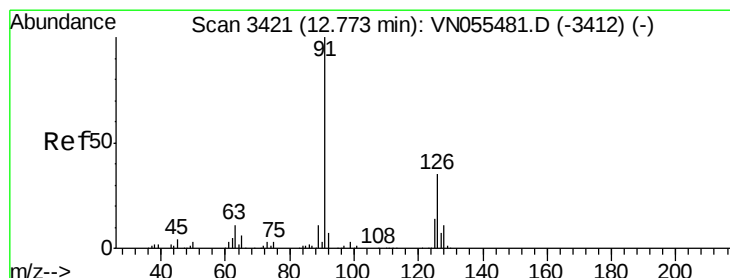
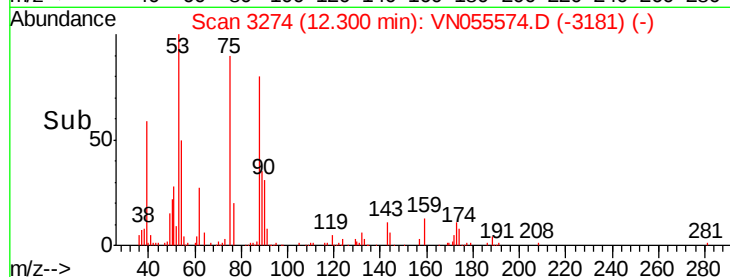
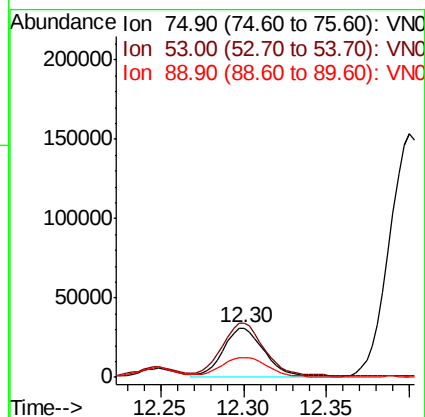
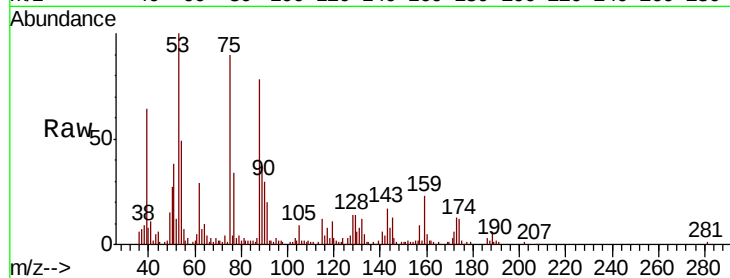
Tot Ion: 75 Resp: 51795

Ion Ratio Lower Upper

75 100

53 114.6 86.5 129.7

89 44.3 35.7 53.5



#82

4-Chlorotoluene

Concen: 18.010 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055574.D

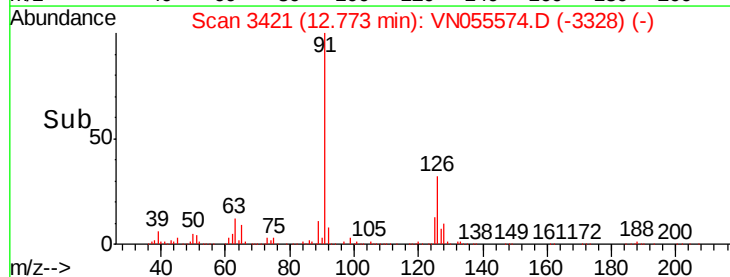
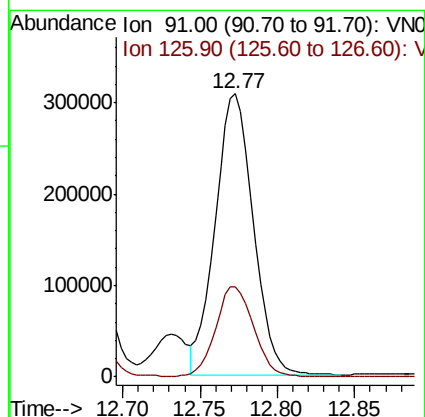
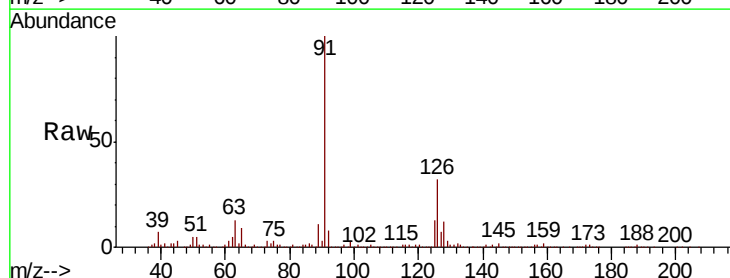
Acq: 13 May 2019 12:53

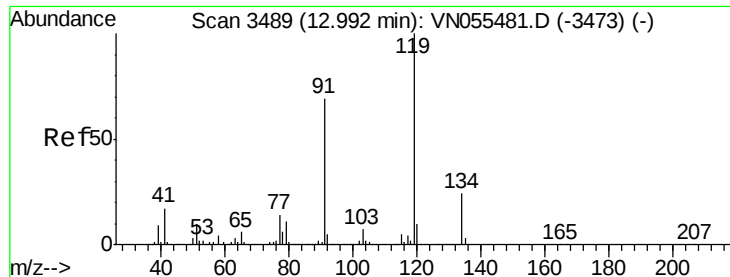
Tgt Ion: 91 Resp: 525367

Ion Ratio Lower Upper

91 100

126 32.3 15.7 47.0

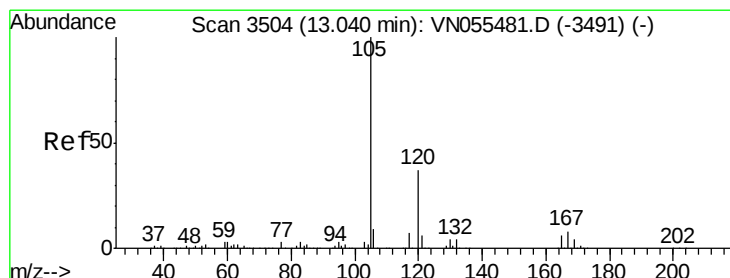
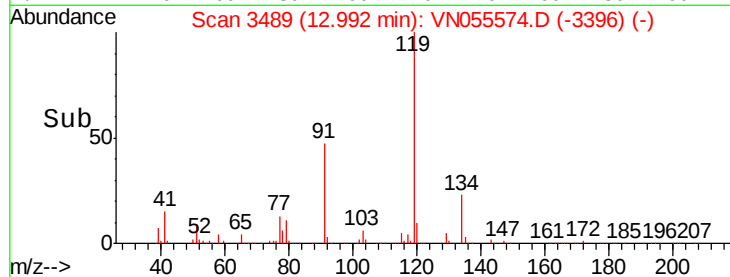
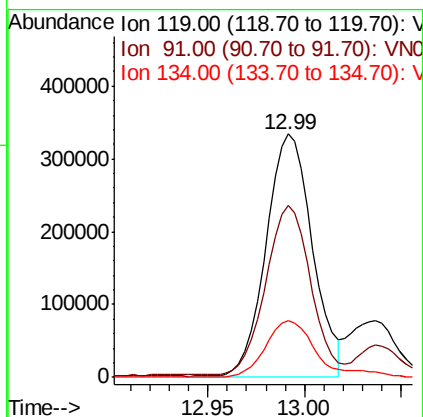
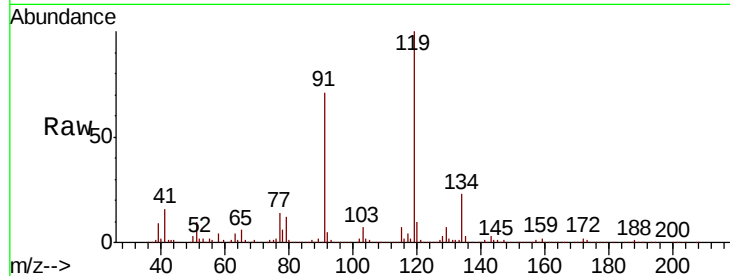




#83
tert-Butylbenzene
Concen: 17.430 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

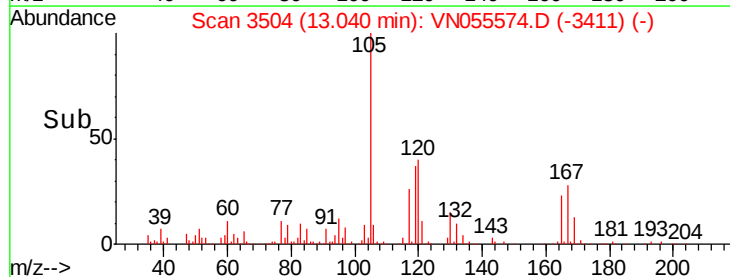
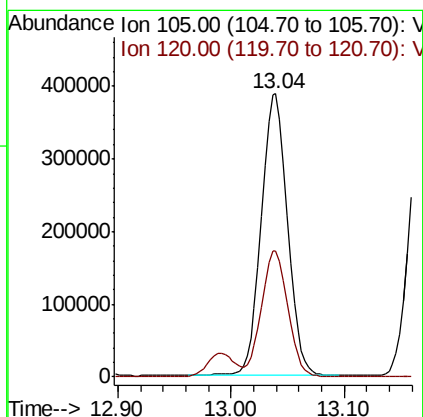
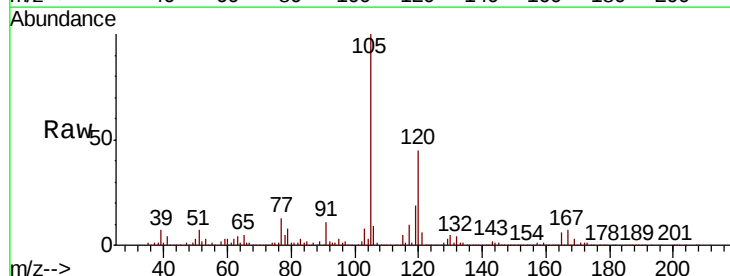
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBSD01

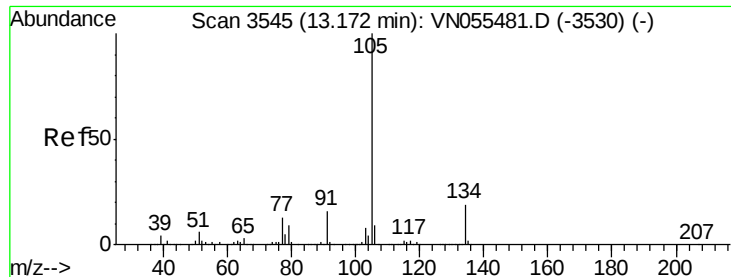
Tot Ion:119 Resp: 551846
Ion Ratio Lower Upper
119 100
91 68.0 33.8 101.3
134 26.0 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 18.545 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055574.D
Acq: 13 May 2019 12:53

Tgt Ion:105 Resp: 628243
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 17.534 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

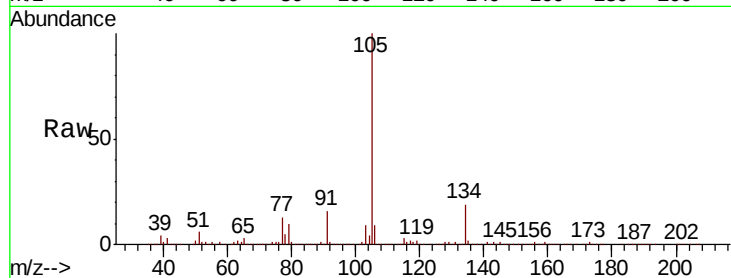
VN0513MBSD01

Tot Ion:105 Resp: 737787

Ion Ratio Lower Upper

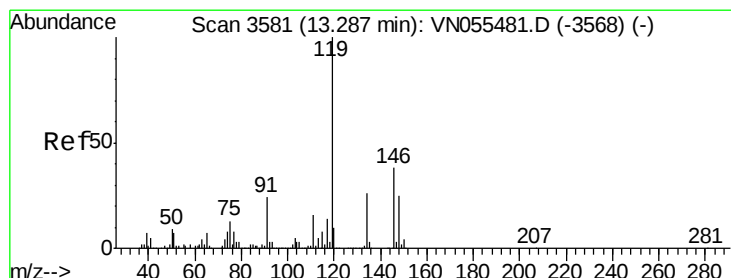
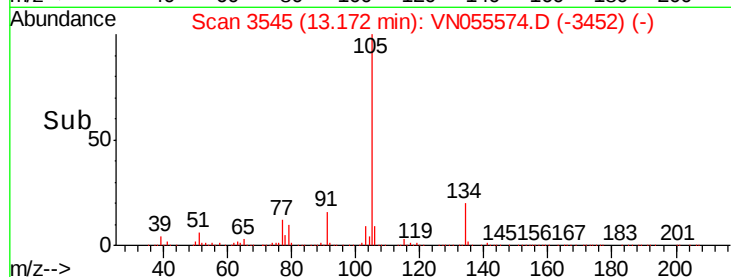
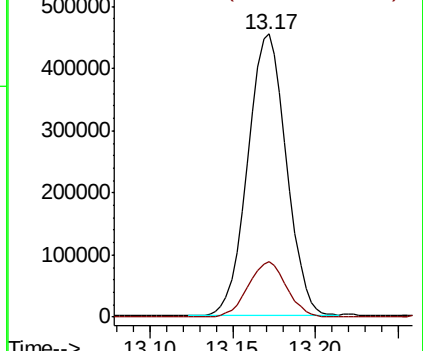
105 100

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: 18.477 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

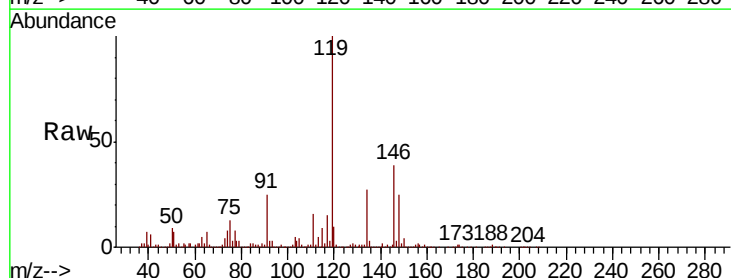
Tgt Ion:119 Resp: 632746

Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.4

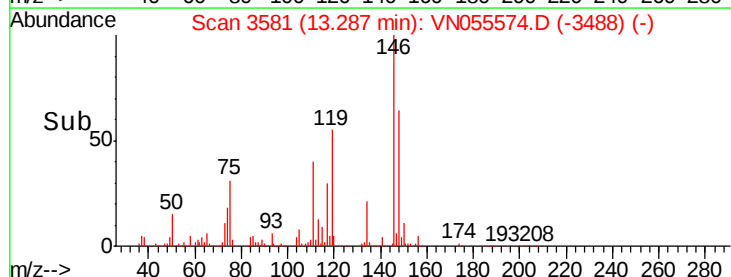
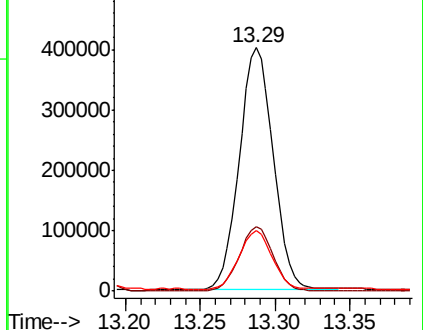
91 23.3 12.0 36.0

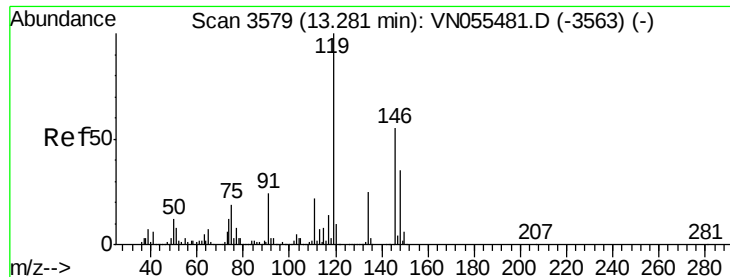


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.954 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

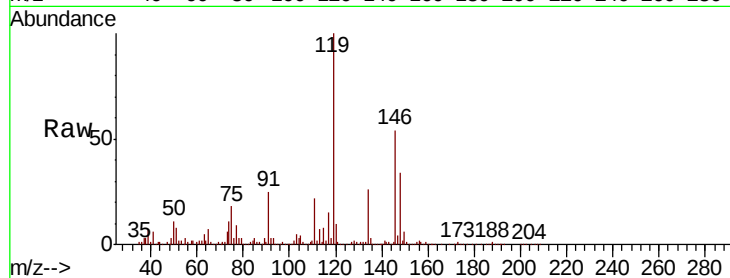
Tot Ion:146 Resp: 298114

Ion Ratio Lower Upper

146 100

111 41.0 20.4 61.3

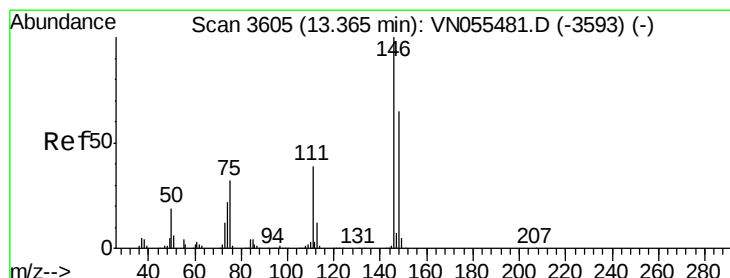
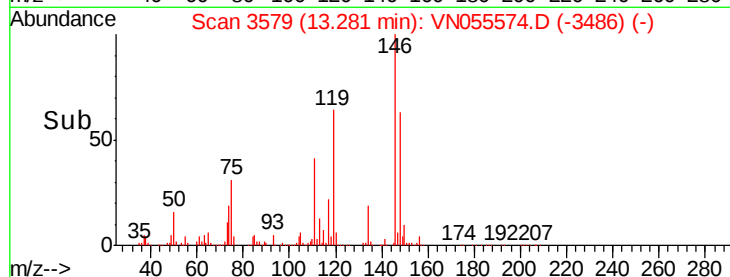
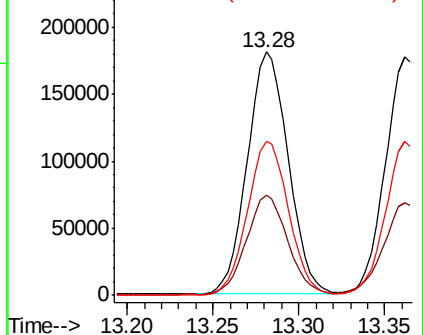
148 64.4 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.918 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

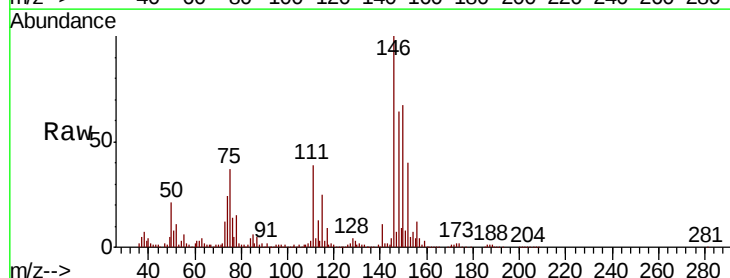
Tgt Ion:146 Resp: 293633

Ion Ratio Lower Upper

146 100

111 39.7 19.6 58.8

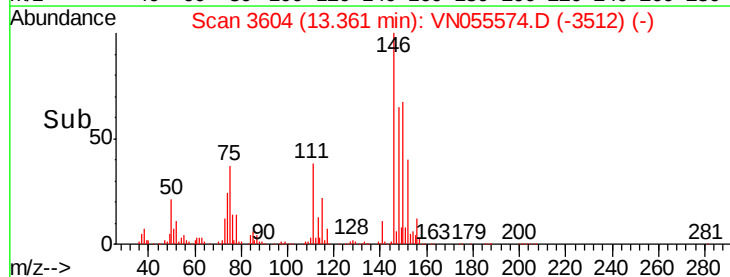
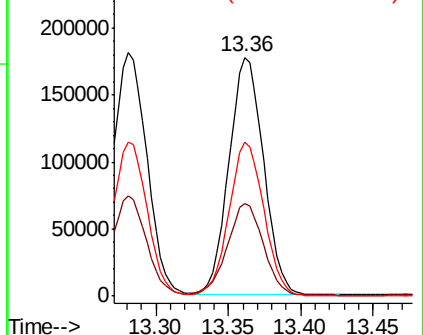
148 65.0 32.5 97.4

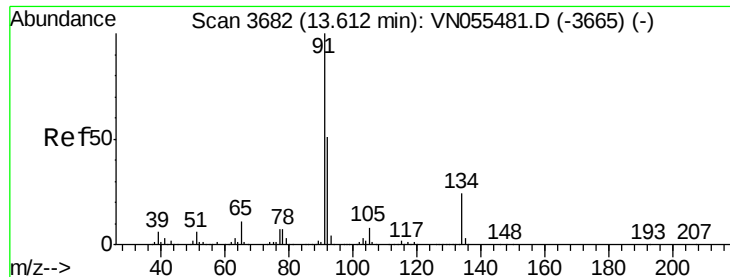


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.049 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

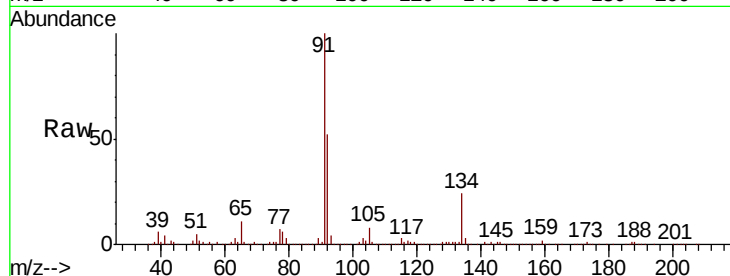
Tot Ion: 91 Resp: 505633

Ion Ratio Lower Upper

91 100

92 52.2 25.9 77.7

134 24.8 11.8 35.4

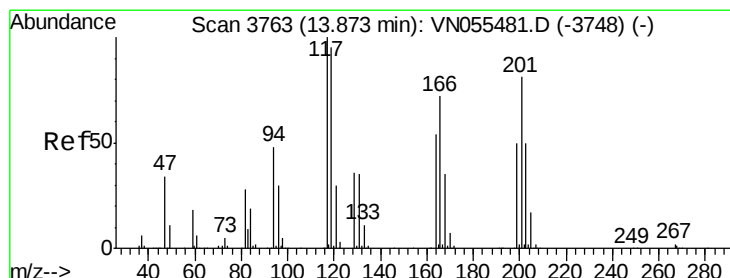
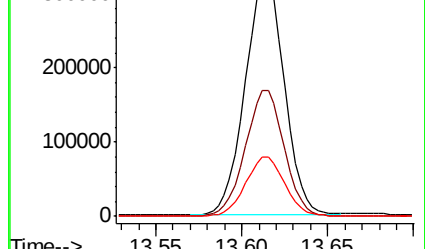
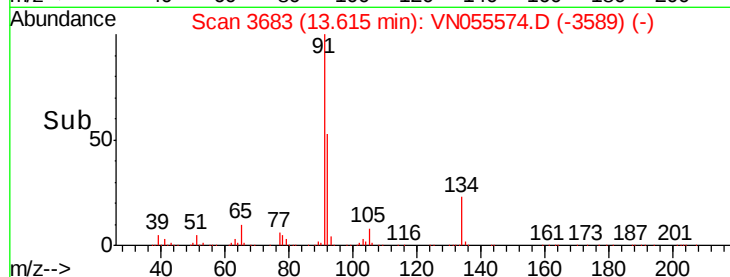


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

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: 17.266 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055574.D

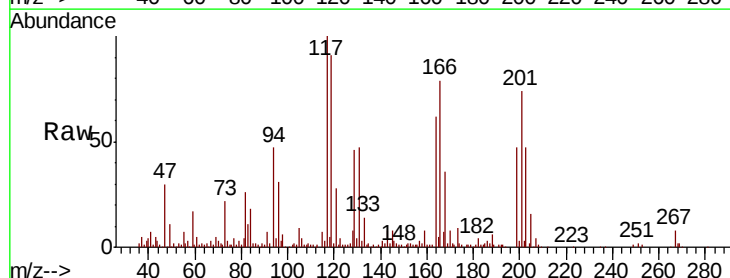
Acq: 13 May 2019 12:53

Tgt Ion: 117 Resp: 96450

Ion Ratio Lower Upper

117 100

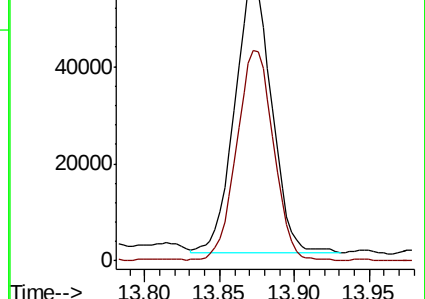
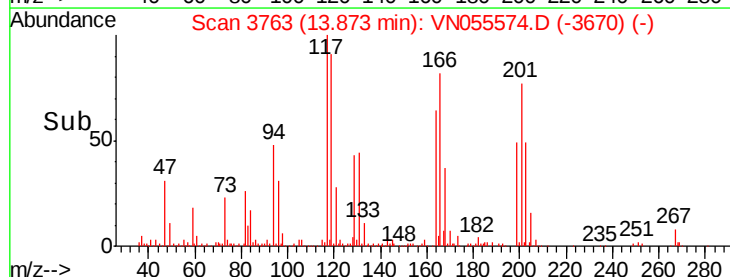
201 77.6 40.1 120.2

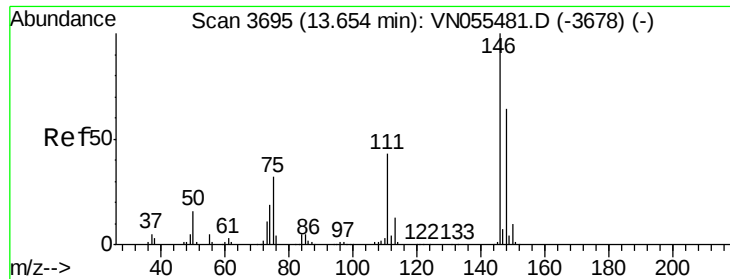


Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)

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

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.589 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

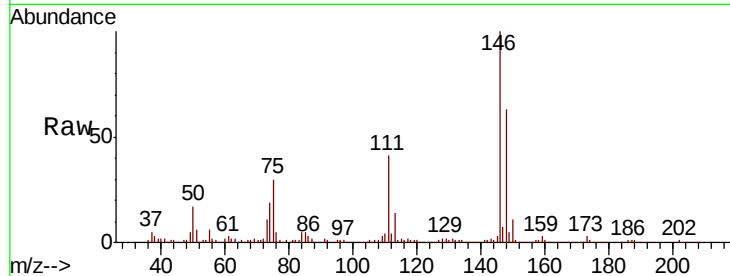
Tot Ion:146 Resp: 307921

Ion Ratio Lower Upper

146 100

111 41.4 21.3 63.7

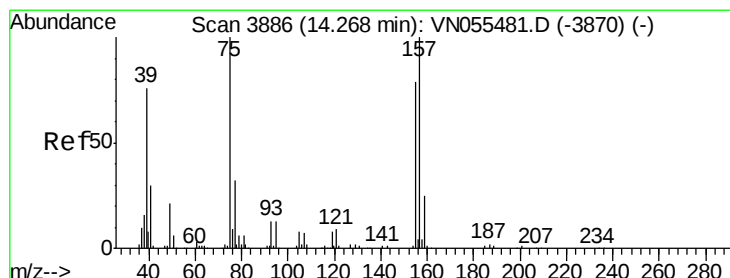
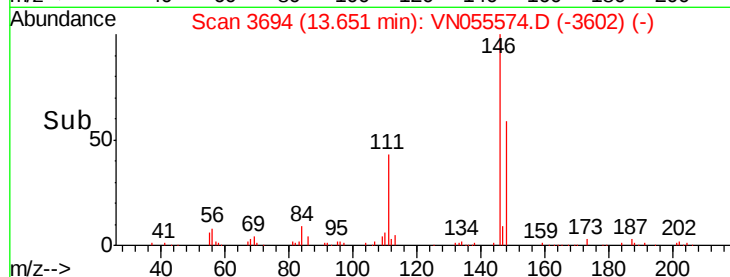
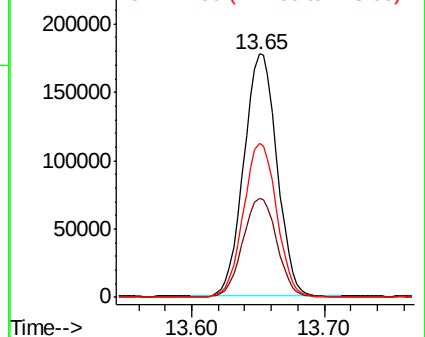
148 63.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.293 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

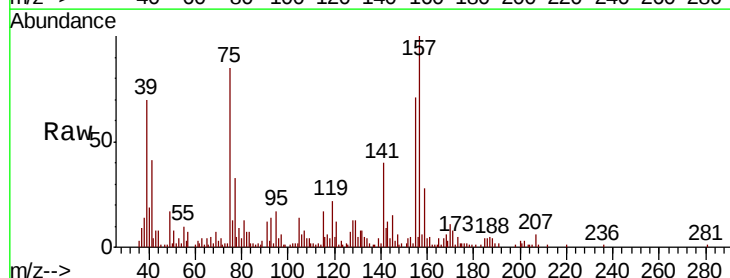
Tgt Ion: 75 Resp: 36728

Ion Ratio Lower Upper

75 100

155 78.7 39.3 117.8

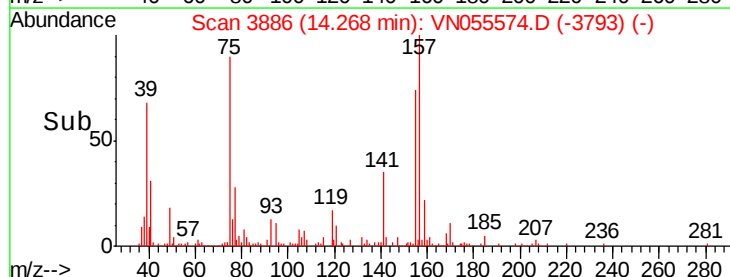
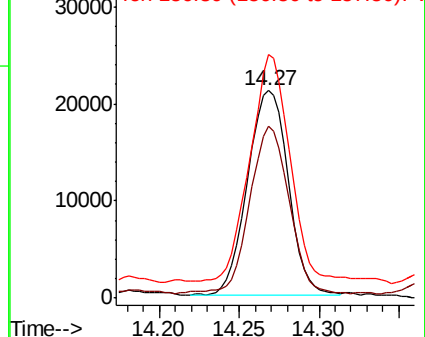
157 107.9 50.6 151.8

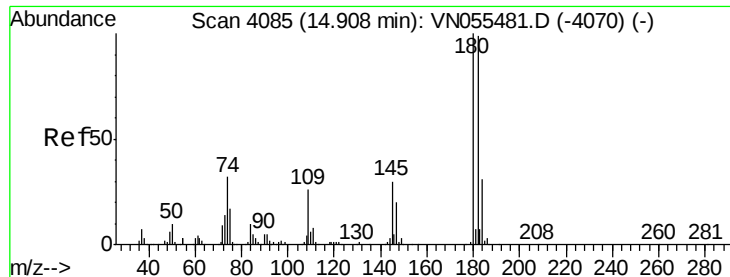


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

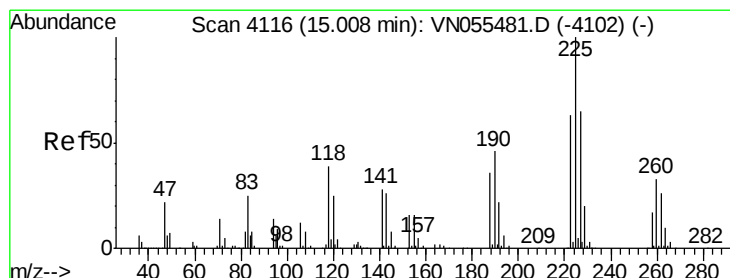
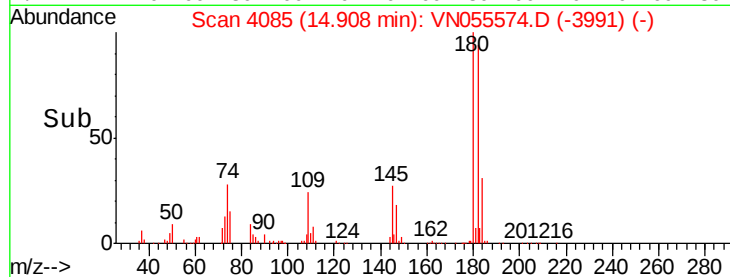
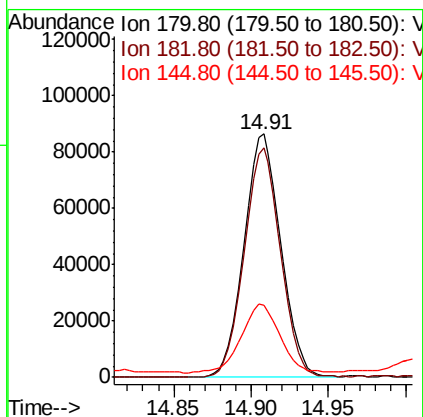
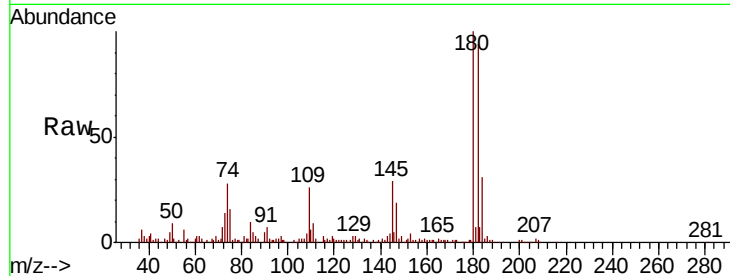




#93
 1,2,4-Trichlorobenzene
 Concen: 22.795 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

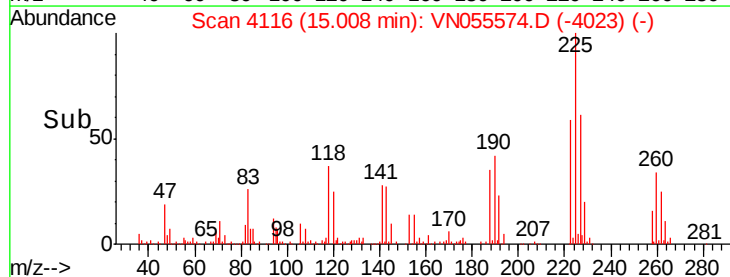
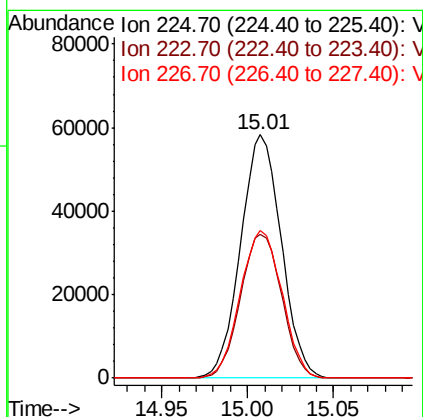
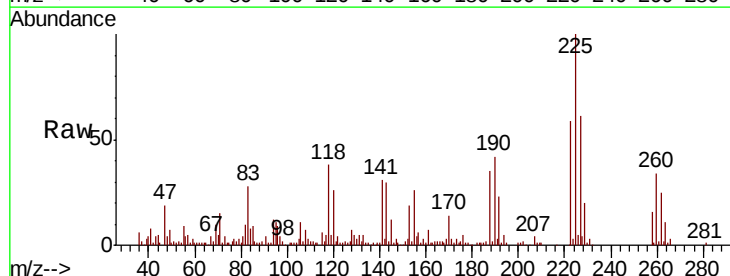
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBSD01

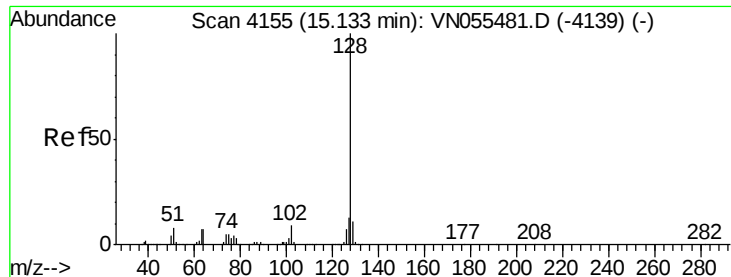
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.7	146.1
145	29.4	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 19.155 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055574.D
 Acq: 13 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.4	94.3
227	62.2	32.0	96.0





#95

Naphthalene

Concen: 21.983 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBSD01

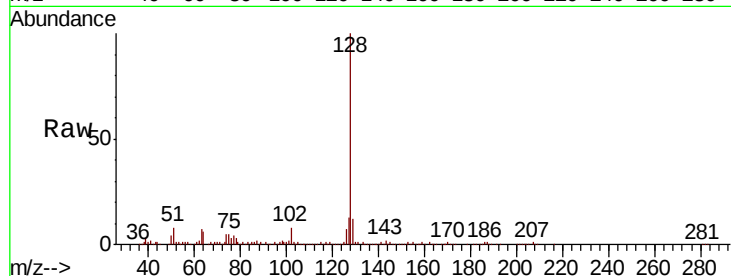
Tot Ion:128 Resp: 389652

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

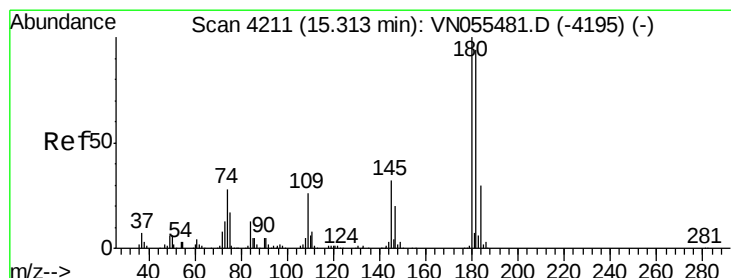
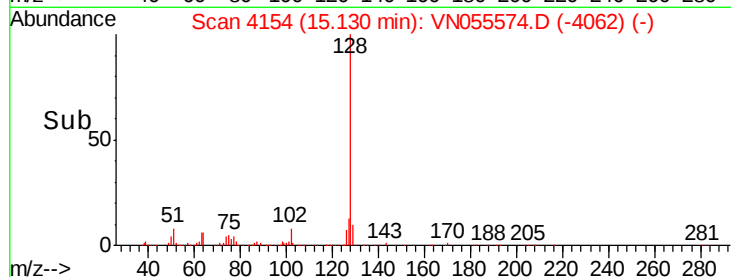
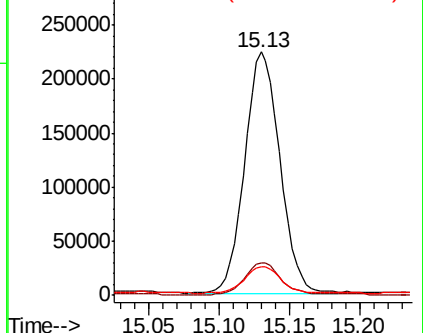
129 11.3 8.8 13.2



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: 23.081 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055574.D

Acq: 13 May 2019 12:53

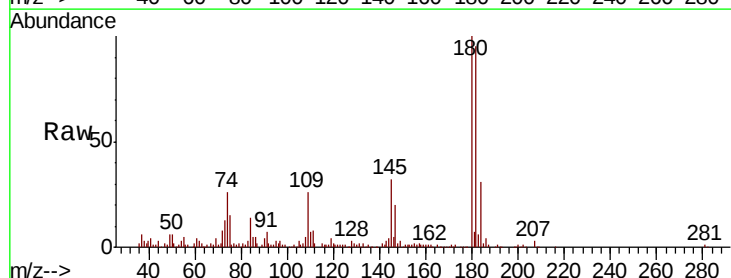
Tgt Ion:180 Resp: 160902

Ion Ratio Lower Upper

180 100

182 94.8 47.1 141.3

145 35.2 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

