

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055571.D
 Acq On : 13 May 2019 11:38
 Operator : JC/SP
 Sample : VN0513MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Quant Time: May 14 01:47:17 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	682131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1163363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	997166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	386795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	494403	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	7.59	113	385841	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.09	98	1473146	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.40	95	480327	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123992	17.854	ug/l	99
3) Chloromethane	2.06	50	194625	17.250	ug/l	99
4) Vinyl Chloride	2.19	62	195347	18.342	ug/l	99
5) Bromomethane	2.57	94	121351	20.796	ug/l	98
6) Chloroethane	2.71	64	119374	19.242	ug/l	98
7) Trichlorofluoromethane	3.02	101	234813	20.097	ug/l	100
8) Diethyl Ether	3.41	74	103851	19.791	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	146911	19.763	ug/l	99
10) Methyl Iodide	3.95	142	169767	16.897	ug/l	100
11) Tert butyl alcohol	4.80	59	106109	69.971	ug/l	99
12) 1,1-Dichloroethene	3.73	96	147080	19.728	ug/l	95
13) Acrolein	3.61	56	87155	86.235	ug/l	98
14) Allyl chloride	4.32	41	276849	18.128	ug/l	98
15) Acrylonitrile	4.99	53	411335	87.598	ug/l	98
16) Acetone	3.82	43	403539	84.855	ug/l	96
17) Carbon Disulfide	4.05	76	373044	18.333	ug/l	99
18) Methyl Acetate	4.33	43	178233	17.133	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	471994	19.053	ug/l	96
20) Methylene Chloride	4.55	84	176689	18.170	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	155791	19.274	ug/l	96
22) Diisopropyl ether	5.96	45	589876	19.007	ug/l	96
23) Vinyl Acetate	5.90	43	2161861	90.075	ug/l	99
24) 1,1-Dichloroethane	5.85	63	318596	19.017	ug/l	98
25) 2-Butanone	6.84	43	553966	84.327	ug/l	98
26) 2,2-Dichloropropane	6.82	77	211920	20.292	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	182700	19.558	ug/l	99
28) Bromochloromethane	7.20	49	170053	19.546	ug/l	95
29) Tetrahydrofuran	7.22	42	356314	82.046	ug/l	98
30) Chloroform	7.37	83	306472	19.789	ug/l	98
31) Cyclohexane	7.65	56	301112	18.166	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	235358	19.956	ug/l	100
36) 1,1-Dichloropropene	7.79	75	218883	19.098	ug/l	98
37) Ethyl Acetate	6.93	43	220248	17.617	ug/l	100
38) Carbon Tetrachloride	7.77	117	192383	19.934	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260778	18.662	ug/l	98
40) Benzene	8.04	78	712702	20.036	ug/l	99
41) Methacrylonitrile	7.18	41	112455	19.380	ug/l	96
42) 1,2-Dichloroethane	8.12	62	239431	19.159	ug/l	98
43) Isopropyl Acetate	8.17	43	341644	17.987	ug/l	98
44) Trichloroethene	8.83	130	170117	20.100	ug/l	96
45) 1,2-Dichloropropane	9.12	63	198137	19.468	ug/l	99
46) Dibromomethane	9.21	93	117225	19.871	ug/l	99
47) Bromodichloromethane	9.40	83	226456	20.066	ug/l	98
48) Methyl methacrylate	9.20	41	161394	17.636	ug/l	98
49) 1,4-Dioxane	9.20	88	49423	277.092	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1059320	84.800	ug/l	98
52) Toluene	10.16	92	410794	20.201	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211026	19.469	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	255953	19.761	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	163568	19.852	ug/l	99
56) Ethyl methacrylate	10.43	69	226911	18.515	ug/l	95
57) 1,3-Dichloropropane	10.71	76	281881	19.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	245978	69.151	ug/l	98
59) 2-Hexanone	10.75	43	713010	81.388	ug/l	99
60) Dibromochloromethane	10.90	129	154995	20.690	ug/l	98
61) 1,2-Dibromoethane	11.00	107	153747	19.421	ug/l	100
64) Tetrachloroethene	10.63	164	164581	20.143	ug/l	99
65) Chlorobenzene	11.43	112	408505	19.912	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	145861	20.652	ug/l	96
67) Ethyl Benzene	11.51	91	749376	19.449	ug/l	100
68) m/p-Xylenes	11.62	106	541580	39.167	ug/l	99
69) o-Xylene	11.95	106	263072	19.357	ug/l	99
70) Styrene	11.96	104	432648	19.870	ug/l	99
71) Bromoform	12.13	173	93774	19.676	ug/l #	99
73) Isopropylbenzene	12.25	105	706545	20.684	ug/l	100
74) N-amyl acetate	12.07	43	227213	15.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	223621	20.102	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	254884	24.206	ug/l #	100
77) Bromobenzene	12.53	156	161575	18.955	ug/l	95
78) n-propylbenzene	12.59	91	782854	18.870	ug/l	99
79) 2-Chlorotoluene	12.67	91	484743	18.749	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	575183	18.594	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	50148	17.573	ug/l	97
82) 4-Chlorotoluene	12.77	91	459408	18.805	ug/l	98
83) tert-Butylbenzene	12.99	119	484133	18.259	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	541139	19.074	ug/l	98
85) sec-Butylbenzene	13.17	105	650709	18.466	ug/l	100
86) p-Isopropyltoluene	13.29	119	526894	18.372	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	261744	19.872	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	253419	19.495	ug/l	99
89) n-Butylbenzene	13.61	91	380810	17.131	ug/l	99
90) Hexachloroethane	13.87	117	90968	19.445	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	263298	20.001	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30341	17.058	ug/l	99

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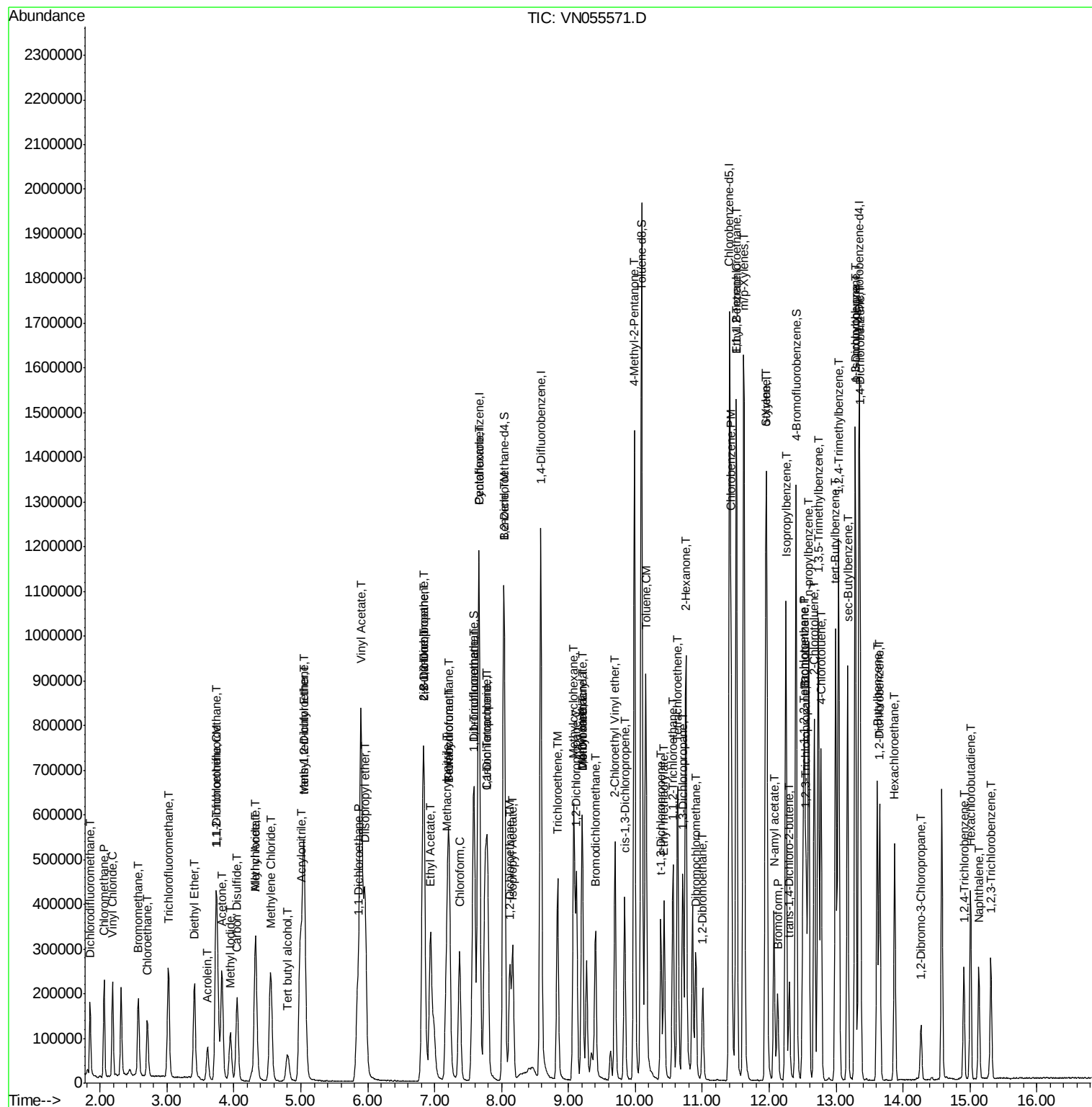
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	78712	16.057	ug/l	99
94) Hexachlorobutadiene	15.01	225	83127	19.938	ug/l	100
95) Naphthalene	15.13	128	212322	15.329	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	92439	16.594	ug/l	100

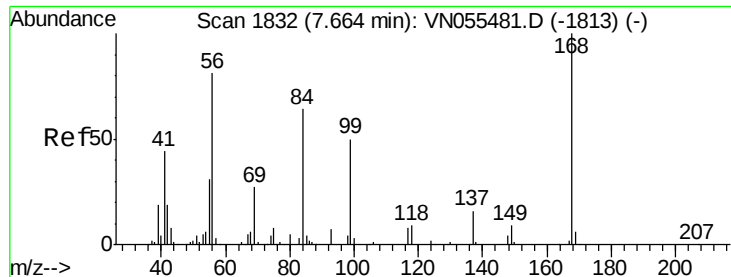
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

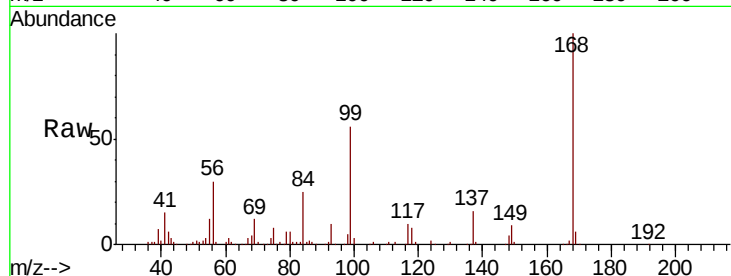
VN0513MBS01

Tot Ion:168 Resp: 682131

Ion Ratio Lower Upper

168 100

99 54.7 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

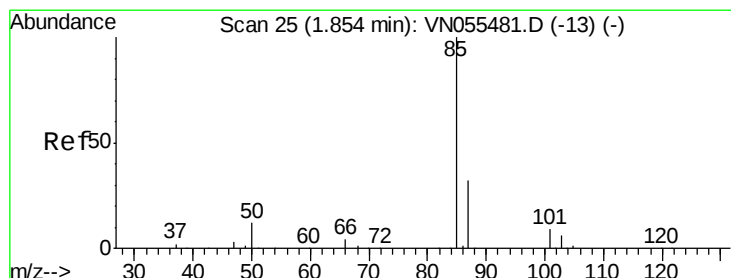
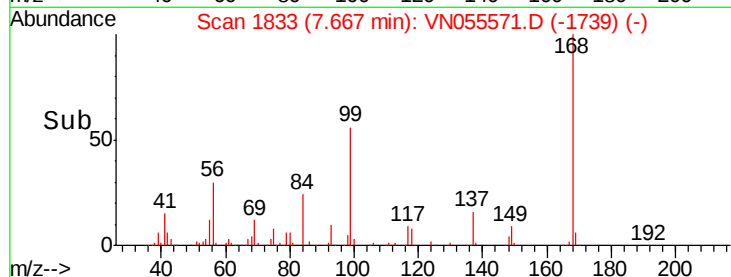
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.854 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055571.D

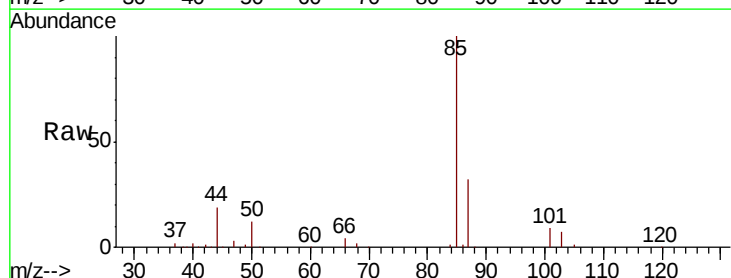
Acq: 13 May 2019 11:38

Tgt Ion: 85 Resp: 123992

Ion Ratio Lower Upper

85 100

87 32.4 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

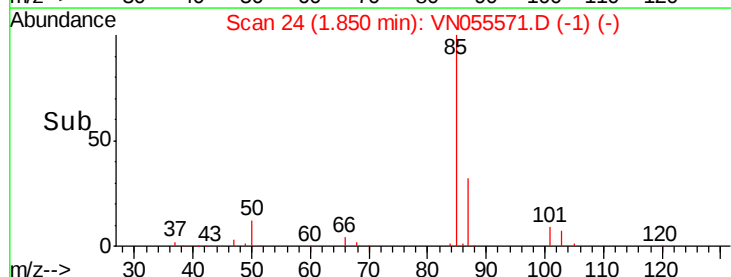
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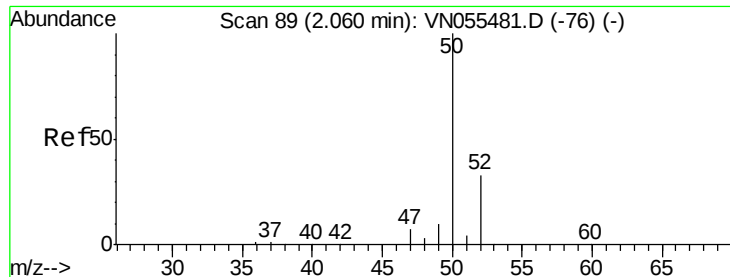
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.250 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

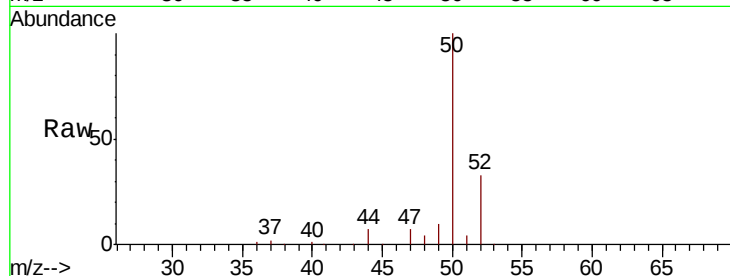
VN0513MBS01

Tot Ion: 50 Resp: 194625

Ion Ratio Lower Upper

50 100

52 32.8 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN055571.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN055571.D (-1) (-)

2.06

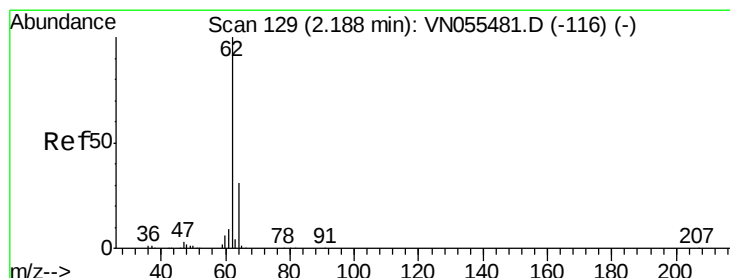
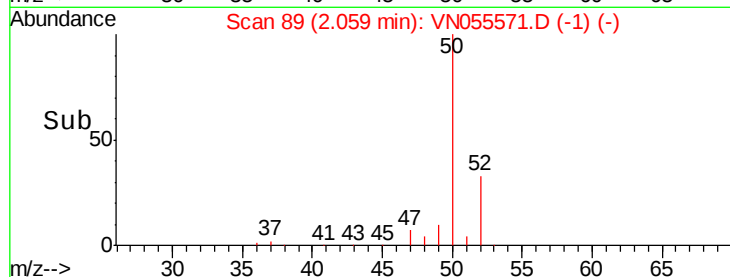
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.342 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055571.D

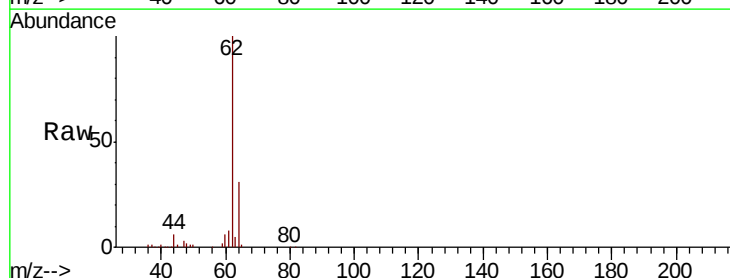
Acq: 13 May 2019 11:38

Tgt Ion: 62 Resp: 195347

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN055571.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN055571.D (-36) (-)

2.19

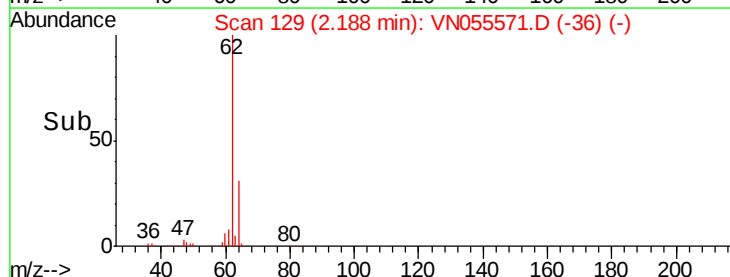
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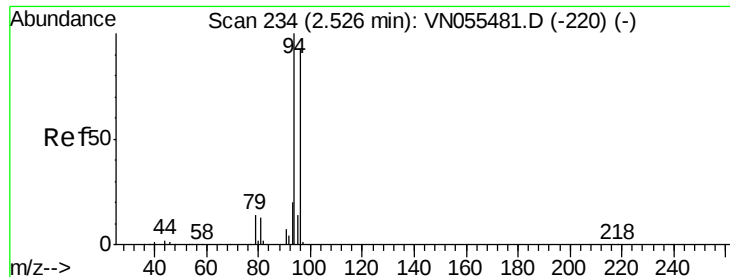
100000

50000

0

Time-->





#5

Bromomethane

Concen: 20.796 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.04 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

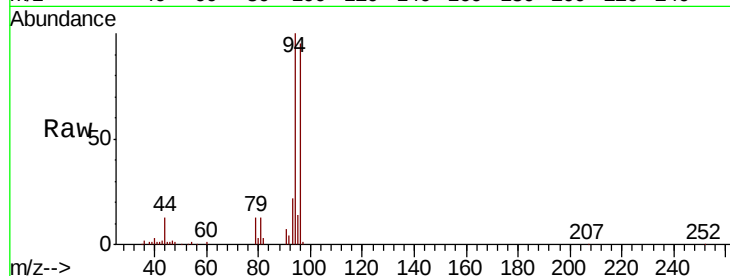
VN0513MBS01

Tot Ion: 94 Resp: 121351

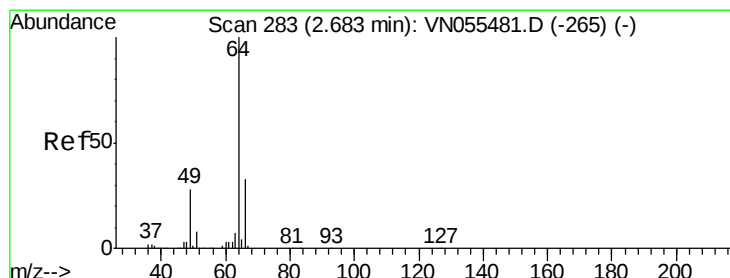
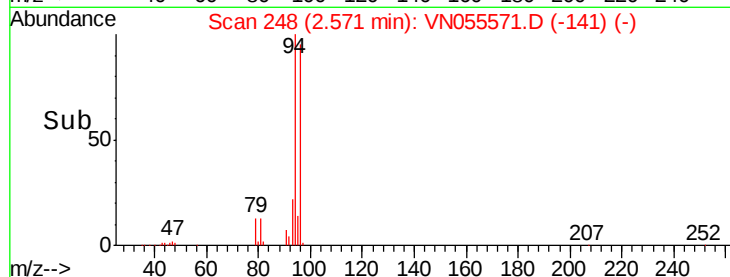
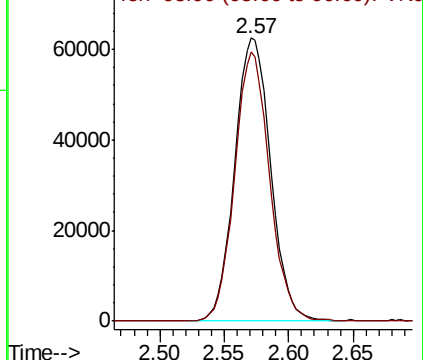
Ion Ratio Lower Upper

94 100

96 95.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.242 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.02 min

Lab File: VN055571.D

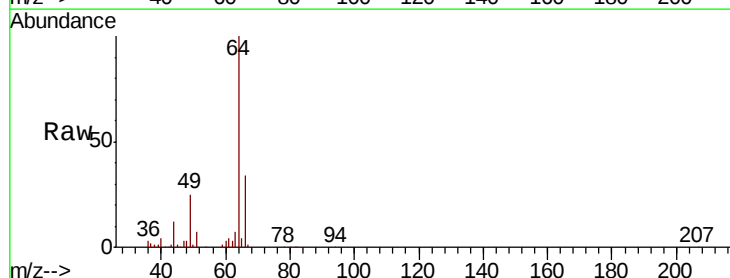
Acq: 13 May 2019 11:38

Tgt Ion: 64 Resp: 119374

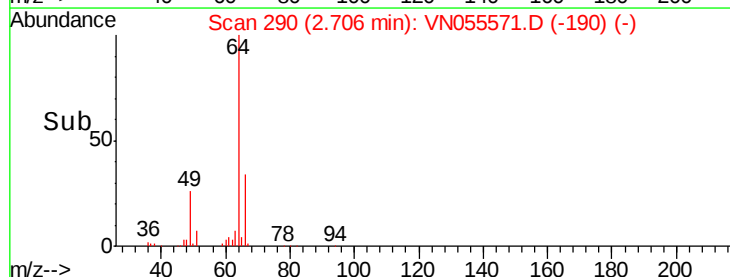
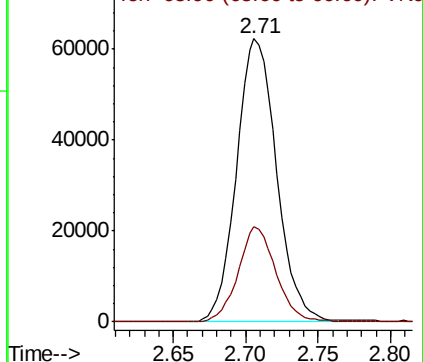
Ion Ratio Lower Upper

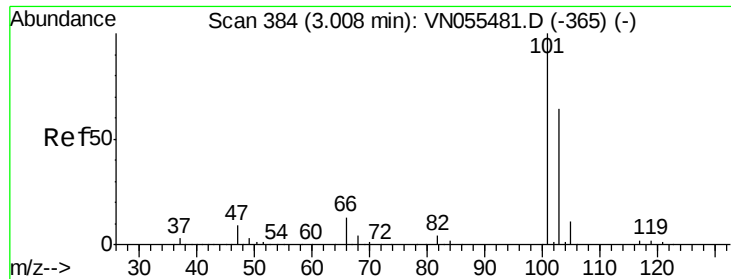
64 100

66 33.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



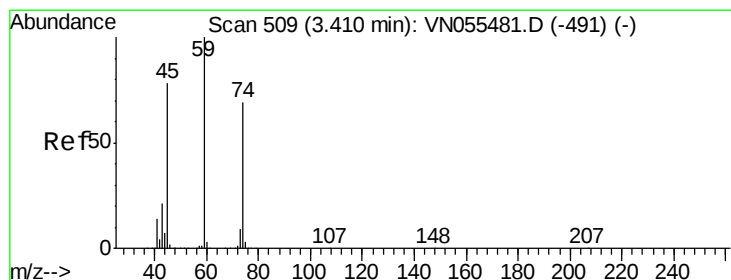
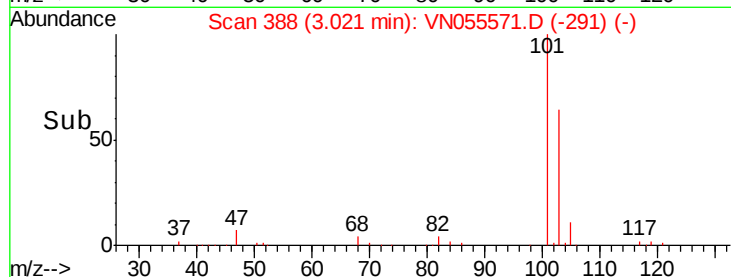
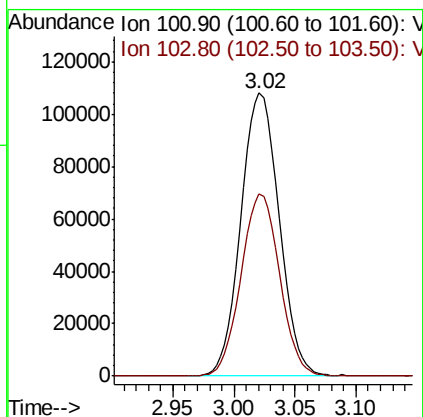
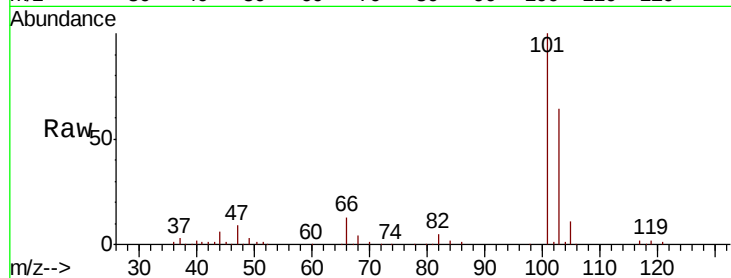


#7

Trichlorofluoromethane
Concen: 20.097 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.01 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

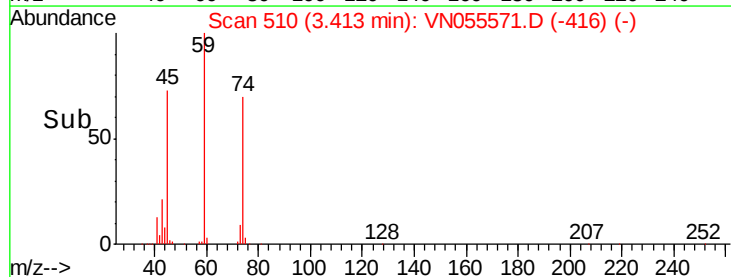
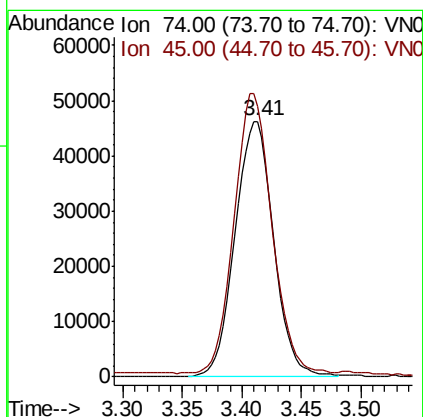
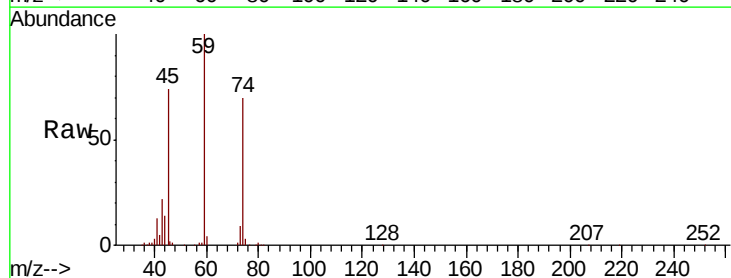
Tot Ion:101 Resp: 234813
Ion Ratio Lower Upper
101 100
103 64.2 51.2 76.8

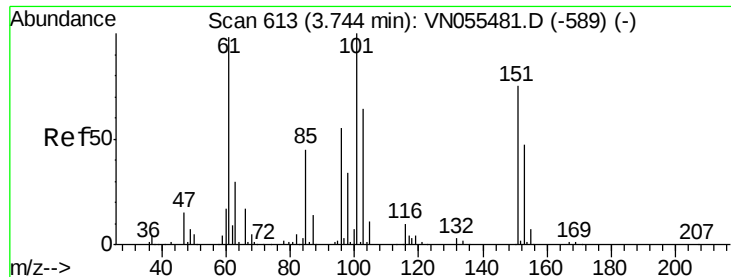


#8

Diethyl Ether
Concen: 19.791 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 74 Resp: 103851
Ion Ratio Lower Upper
74 100
45 106.5 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.763 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

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VN0513MBS01

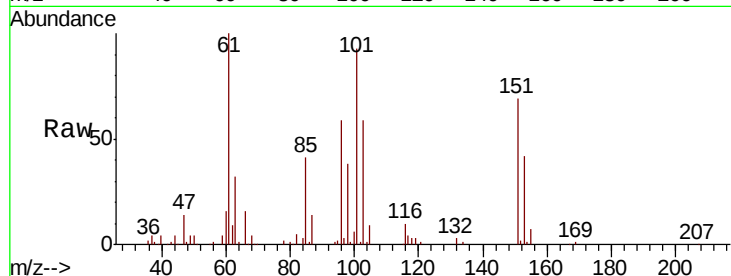
Tot Ion:101 Resp: 146911

Ion Ratio Lower Upper

101 100

85 44.0 35.5 53.3

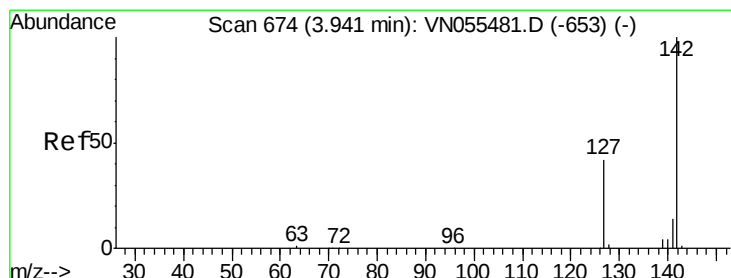
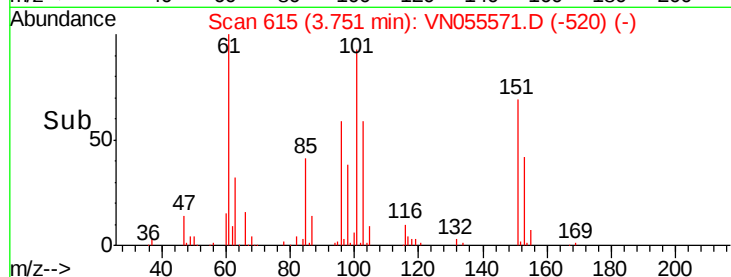
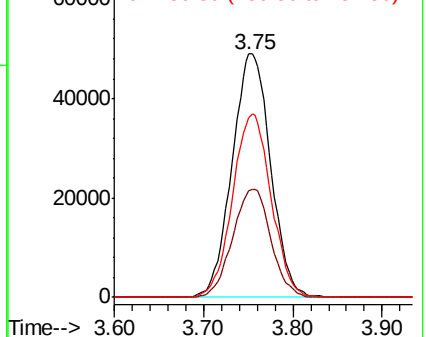
151 75.4 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.897 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

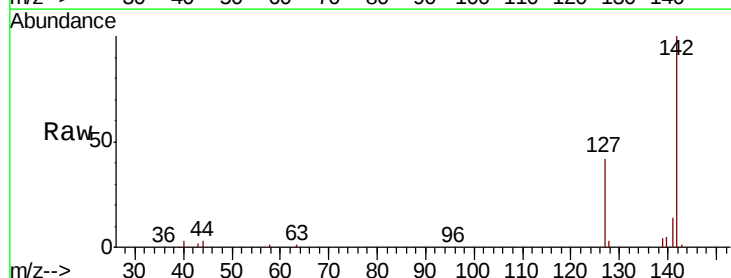
Tgt Ion:142 Resp: 169767

Ion Ratio Lower Upper

142 100

127 41.5 33.0 49.4

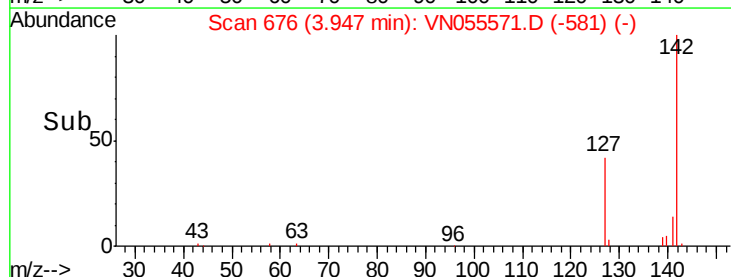
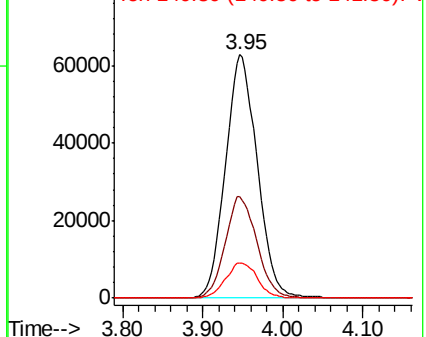
141 14.4 11.4 17.0

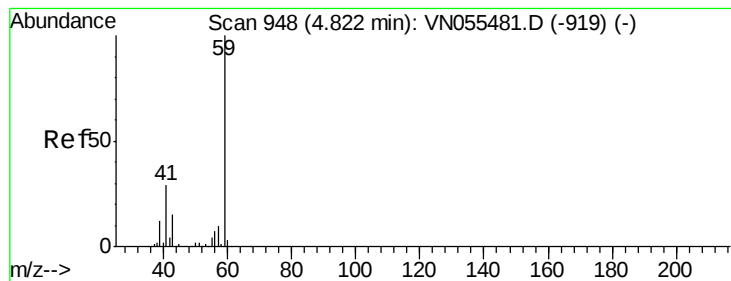


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 69.971 ug/l

RT: 4.80 min Scan# 941

Delta R.T. -0.02 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

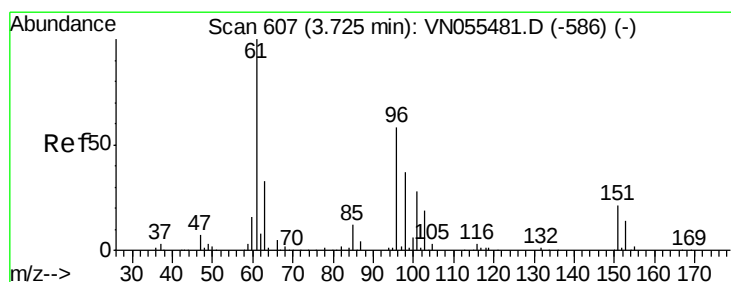
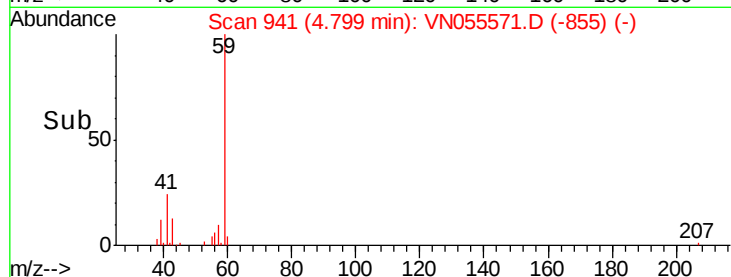
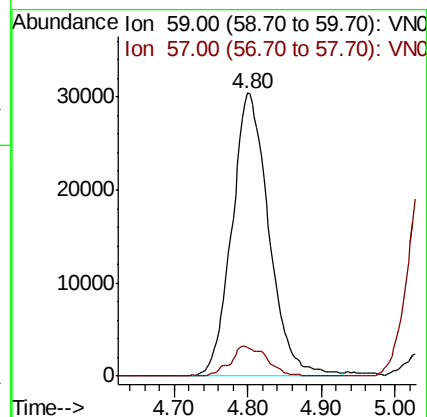
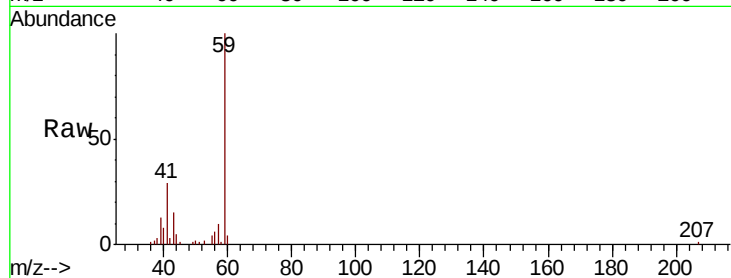
VN0513MBS01

Tot Ion: 59 Resp: 106109

Ion Ratio Lower Upper

59 100

57 10.4 8.0 12.0



#12

1,1-Dichloroethene

Concen: 19.728 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

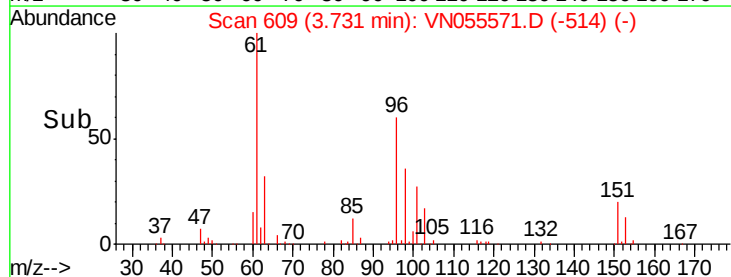
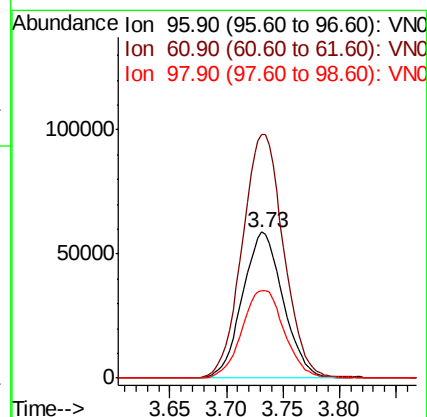
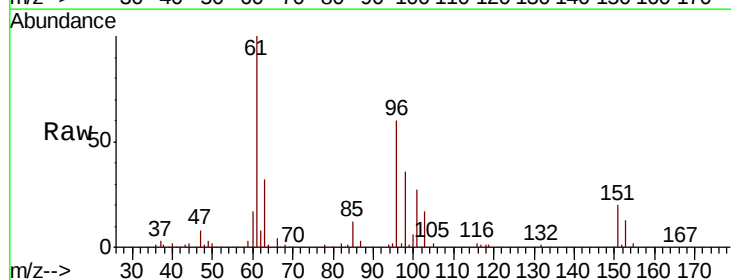
Tgt Ion: 96 Resp: 147080

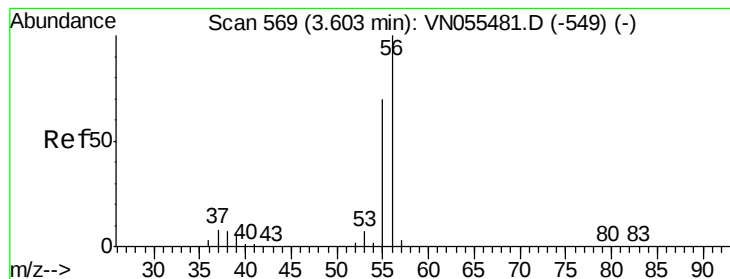
Ion Ratio Lower Upper

96 100

61 166.7 138.7 208.1

98 60.1 50.6 76.0





#13

Acrolein

Concen: 86.235 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

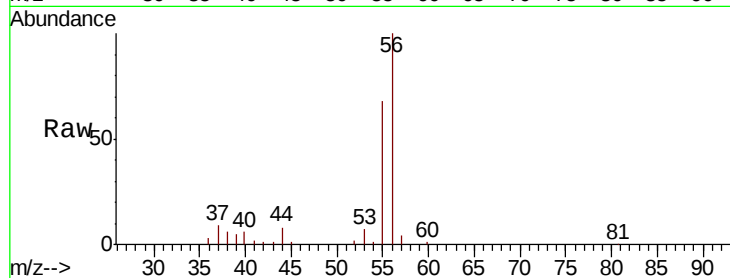
VN0513MBS01

Tot Ion: 56 Resp: 87155

Ion Ratio Lower Upper

56 100

55 70.5 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

30000

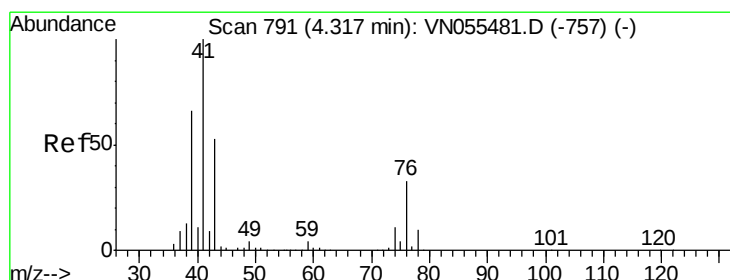
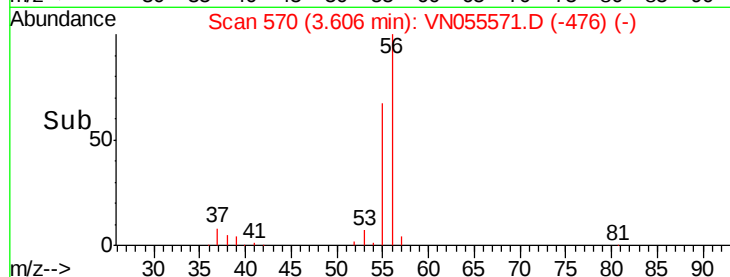
20000

10000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 18.128 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

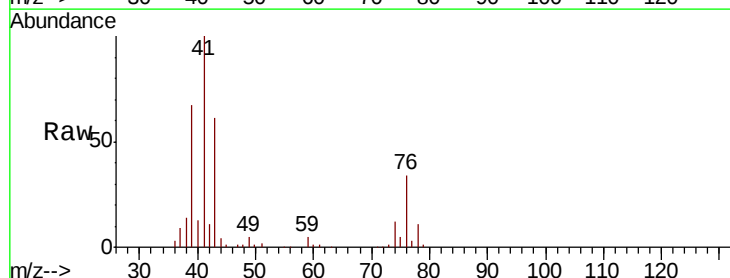
Tgt Ion: 41 Resp: 276849

Ion Ratio Lower Upper

41 100

39 63.6 49.8 74.8

76 30.9 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

120000

100000

80000

60000

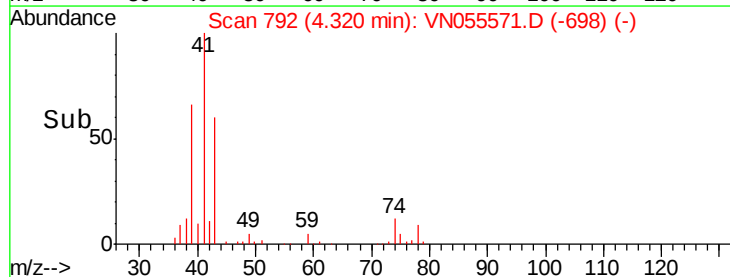
40000

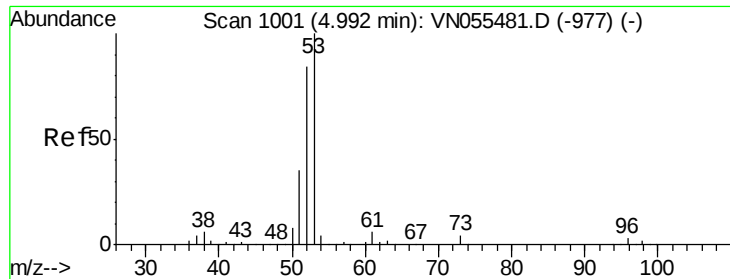
20000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 87.598 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

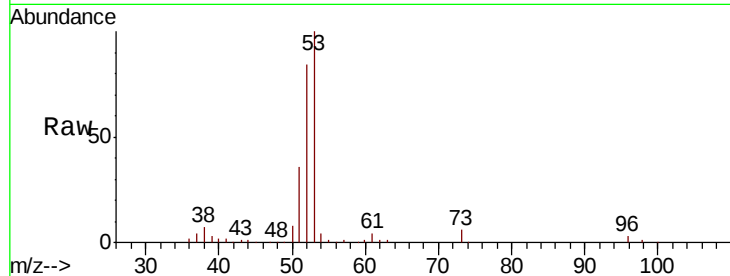
Tot Ion: 53 Resp: 411335

Ion Ratio Lower Upper

53 100

52 83.8 66.1 99.1

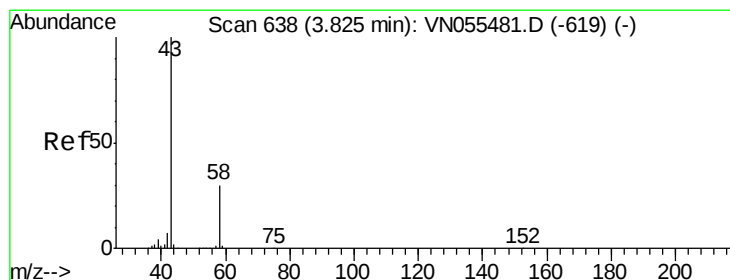
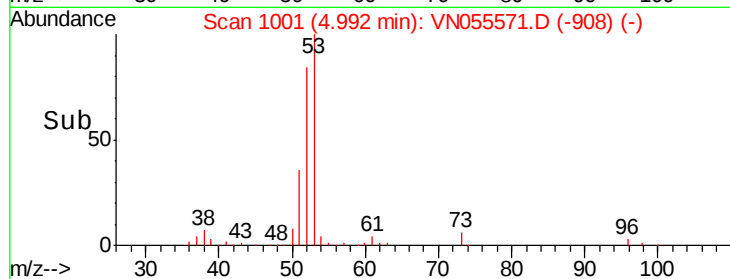
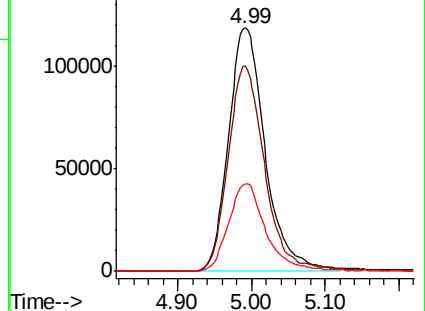
51 36.7 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 84.855 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055571.D

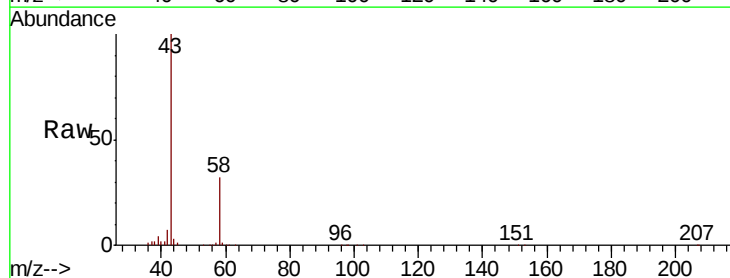
Acq: 13 May 2019 11:38

Tgt Ion: 43 Resp: 403539

Ion Ratio Lower Upper

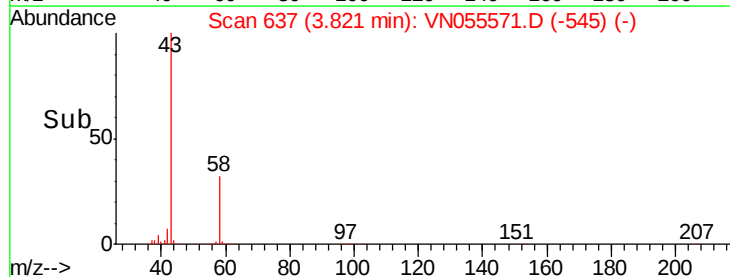
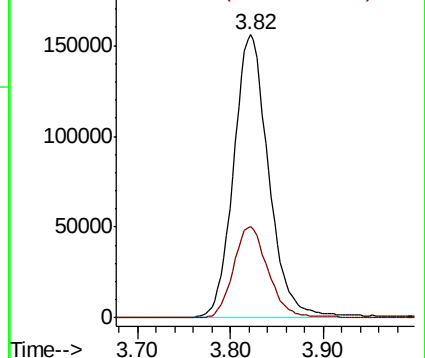
43 100

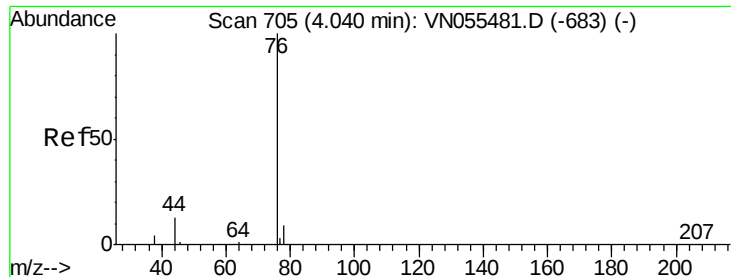
58 32.3 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

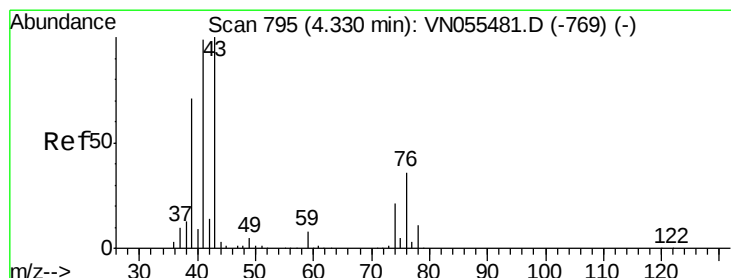
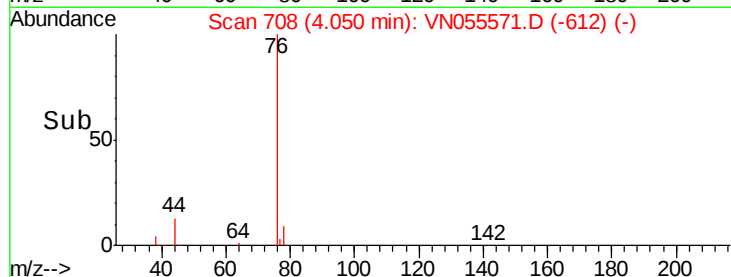
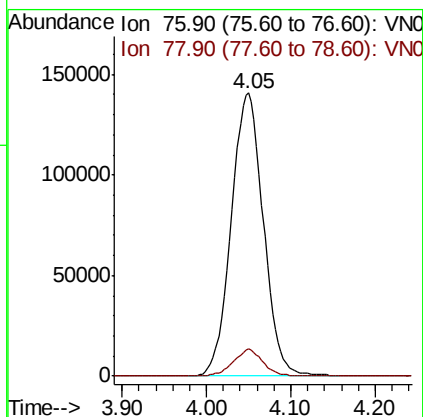
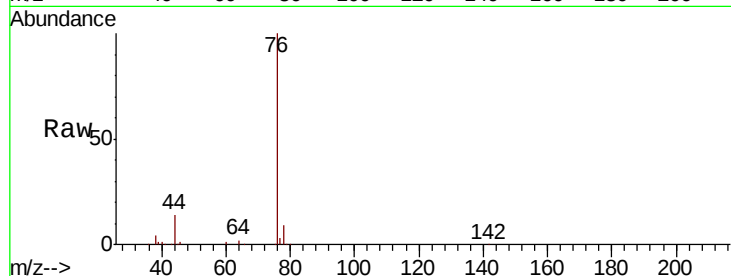




#17
Carbon Disulfide
Concen: 18.333 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.01 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

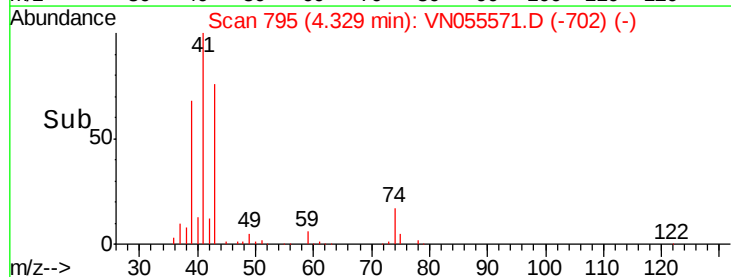
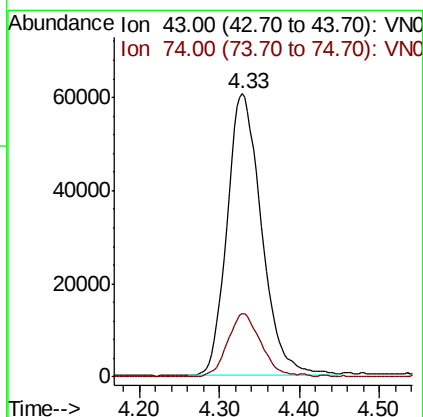
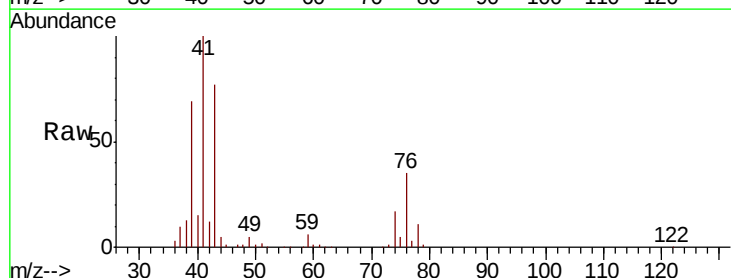
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

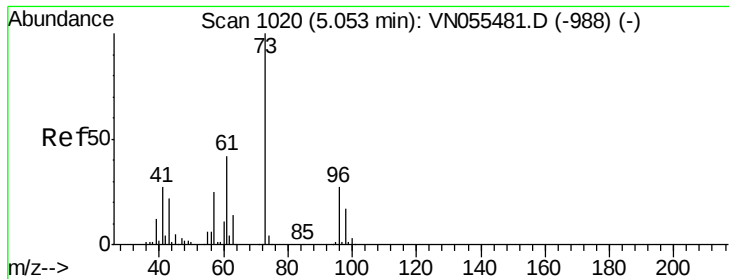
Tot Ion: 76 Resp: 373044
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 17.133 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 43 Resp: 178233
Ion Ratio Lower Upper
43 100
74 21.6 16.3 24.5

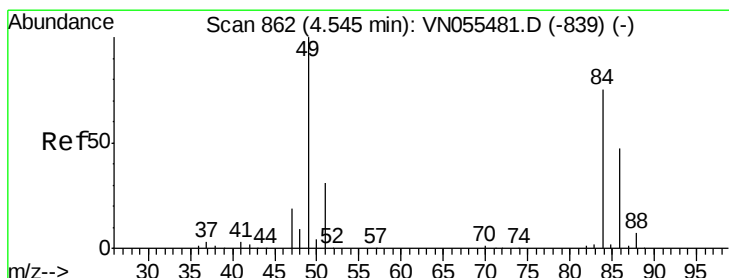
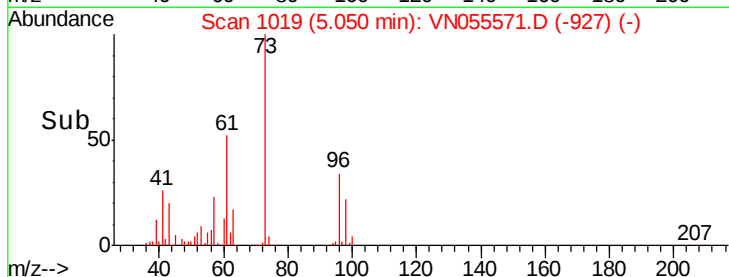
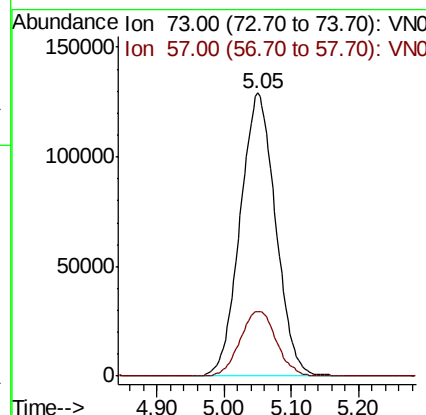
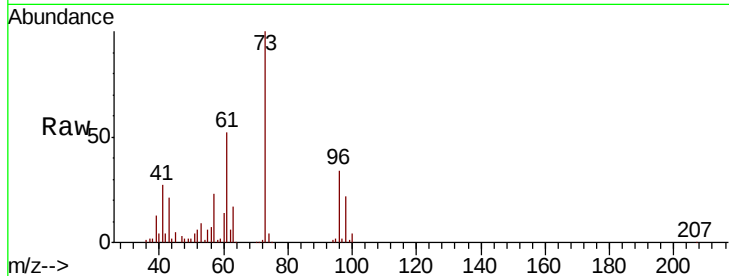




#19
Methyl tert-butyl Ether
Concen: 19.053 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

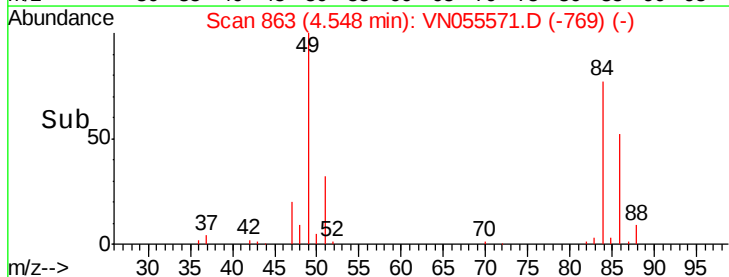
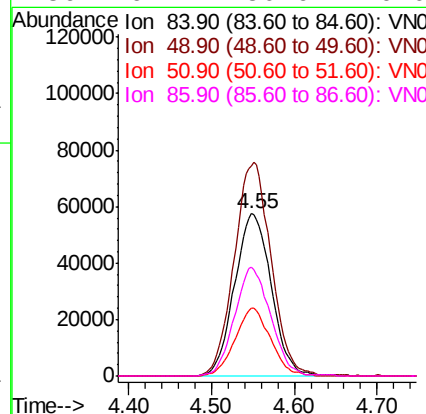
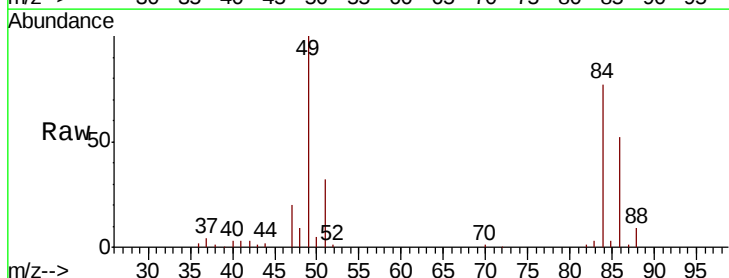
Instrument :
MSVOA_N
ClientSampled :
VN0513MBS01

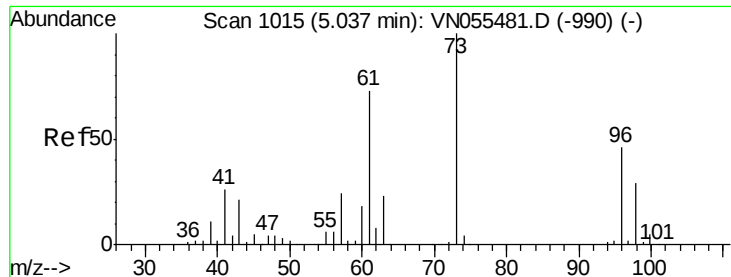
Tot Ion: 73 Resp: 471994
Ion Ratio Lower Upper
73 100
57 22.8 20.0 30.0



#20
Methylene Chloride
Concen: 18.170 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 84 Resp: 176689
Ion Ratio Lower Upper
84 100
49 129.8 107.0 160.6
51 41.8 33.0 49.4
86 67.4 50.6 76.0

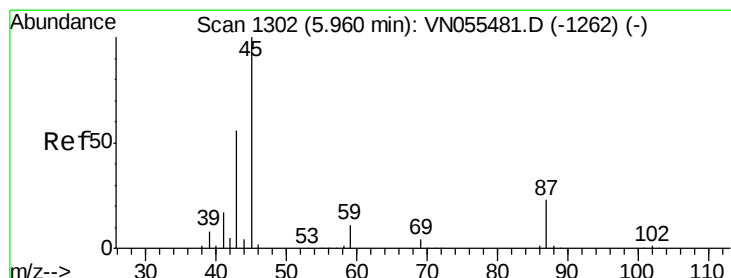
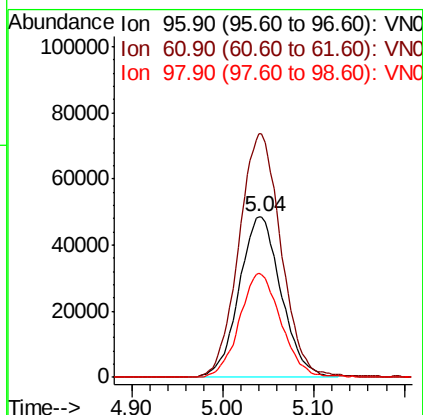
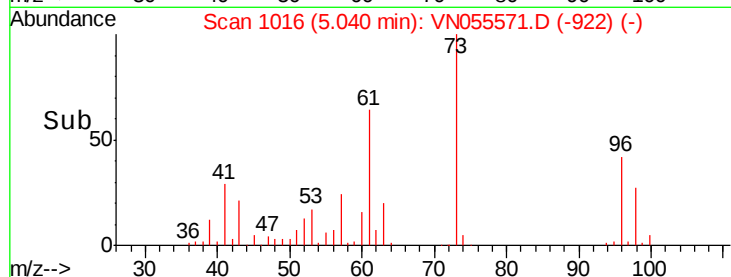
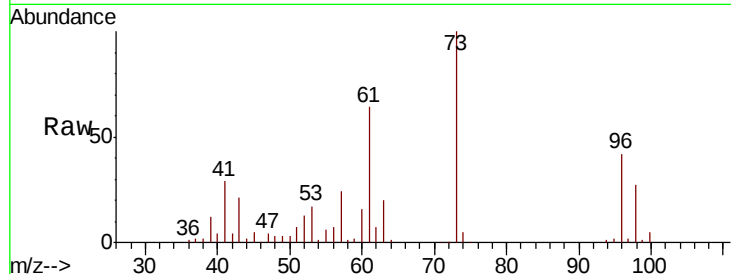




#21
trans-1,2-Dichloroethene
Concen: 19.274 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

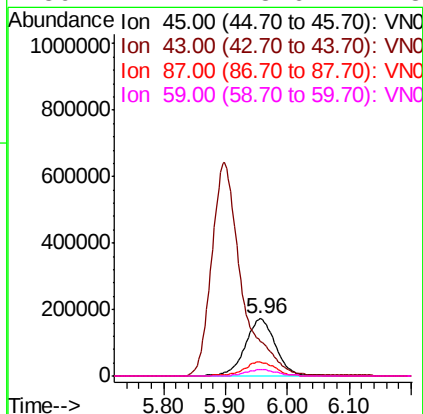
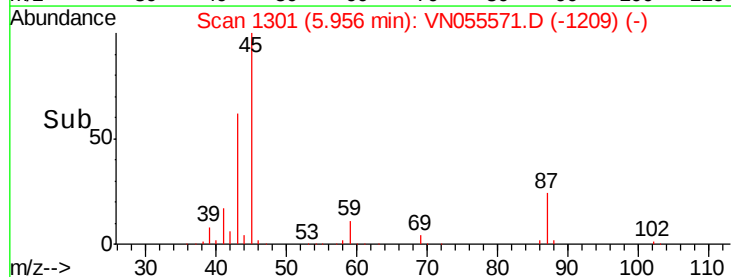
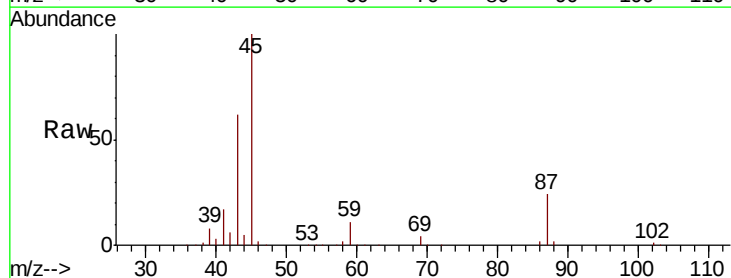
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

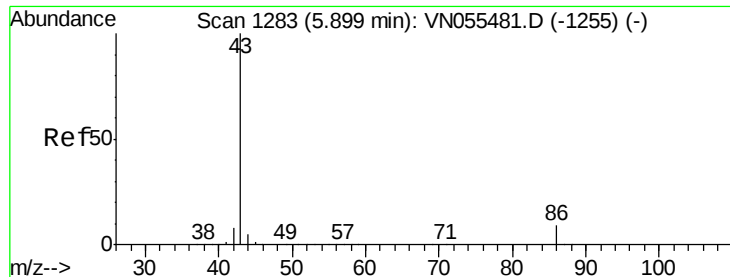
Tot Ion: 96 Resp: 155791
Ion Ratio Lower Upper
96 100
61 151.2 127.4 191.0
98 64.7 51.6 77.4



#22
Diisopropyl ether
Concen: 19.007 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 45 Resp: 589876
Ion Ratio Lower Upper
45 100
43 59.7 44.6 66.8
87 23.7 18.6 28.0
59 11.1 8.6 12.8





#23

Vinyl Acetate

Concen: 90.075 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

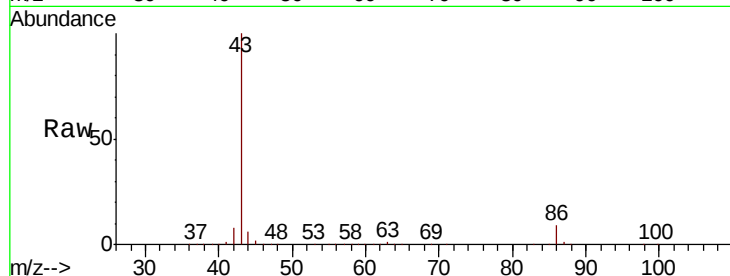
VN0513MBS01

Tot Ion: 43 Resp: 2161861

Ion Ratio Lower Upper

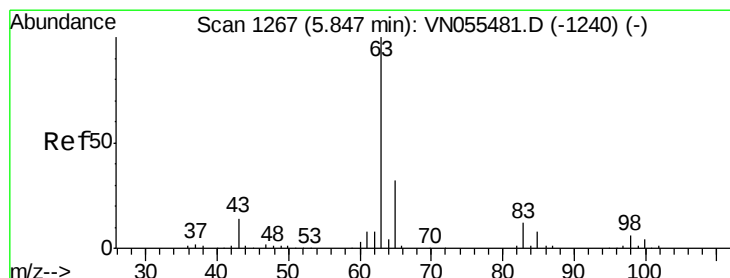
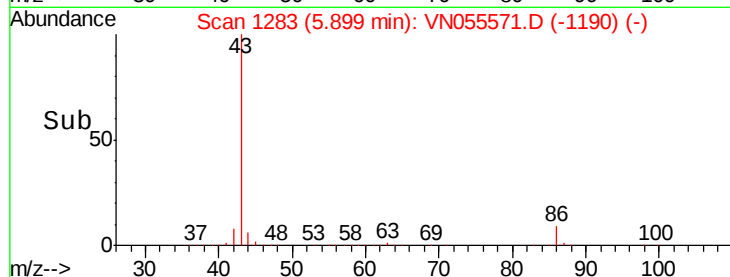
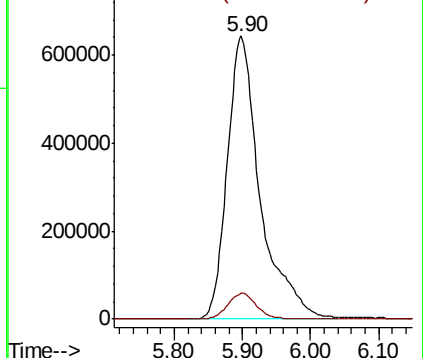
43 100

86 9.2 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.017 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

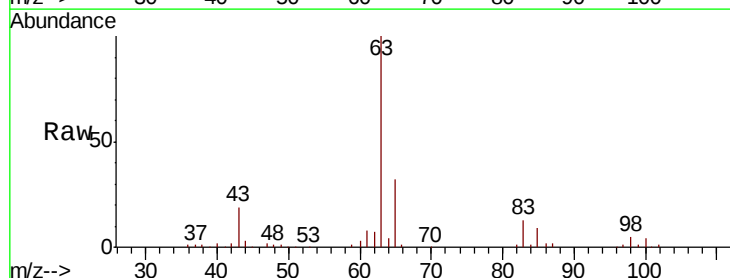
Tgt Ion: 63 Resp: 318596

Ion Ratio Lower Upper

63 100

98 4.9 3.0 9.0

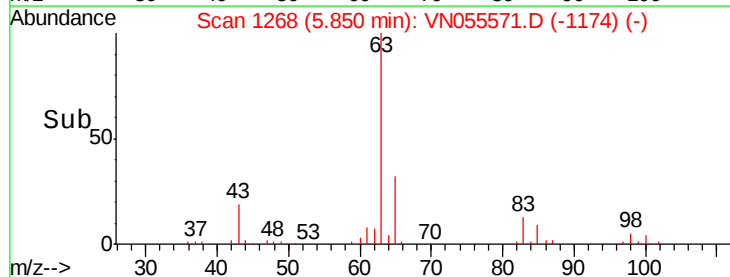
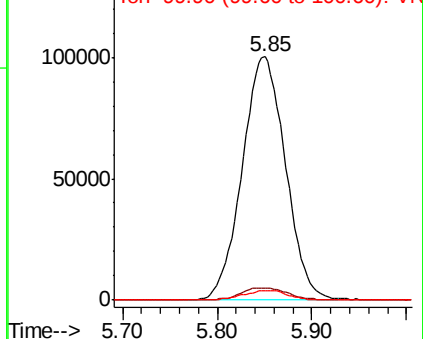
100 4.0 1.9 5.7

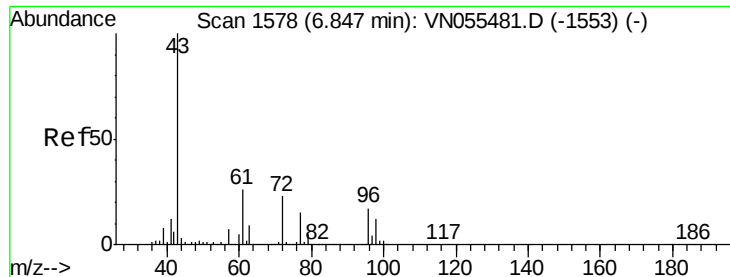


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 84.327 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

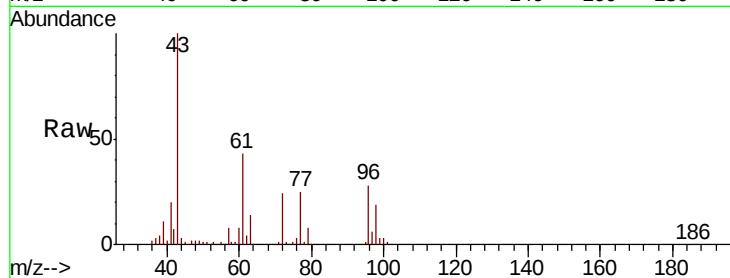
VN0513MBS01

Tot Ion: 43 Resp: 553966

Ion Ratio Lower Upper

43 100

72 24.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1553) (-)

Ion 72.00 (71.70 to 72.70): VN055481.D (-1553) (-)

6.84

200000

150000

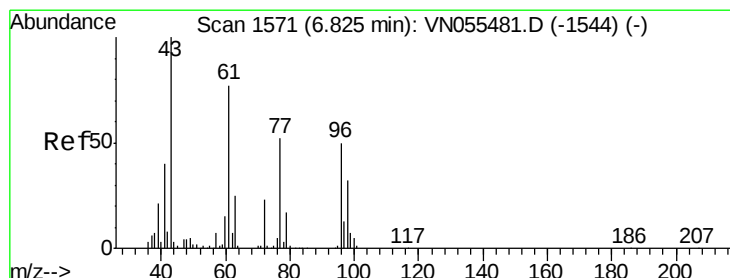
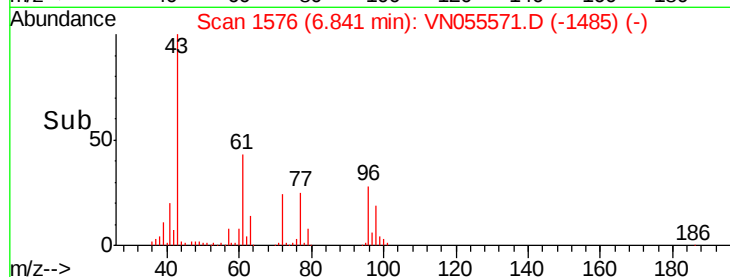
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 20.292 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055571.D

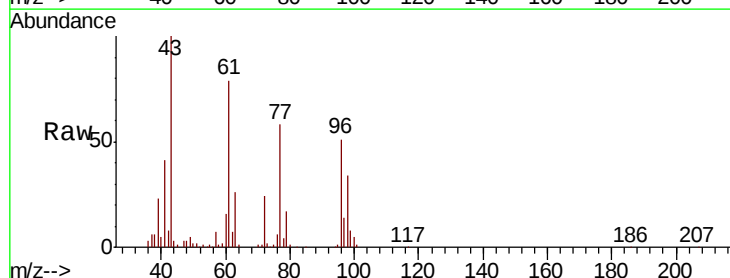
Acq: 13 May 2019 11:38

Tgt Ion: 77 Resp: 211920

Ion Ratio Lower Upper

77 100

97 24.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN055481.D (-1544) (-)

Ion 96.90 (96.60 to 97.60): VN055481.D (-1544) (-)

6.82

80000

60000

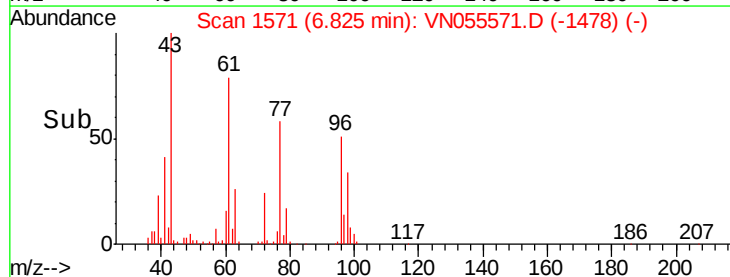
40000

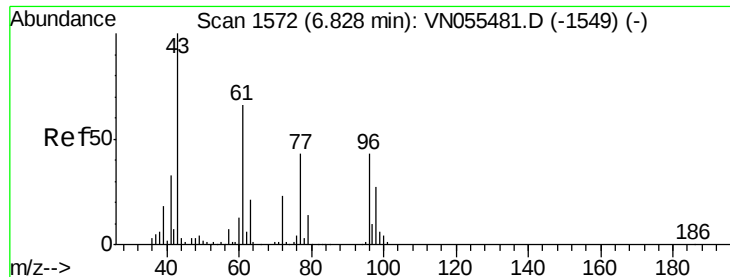
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.558 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

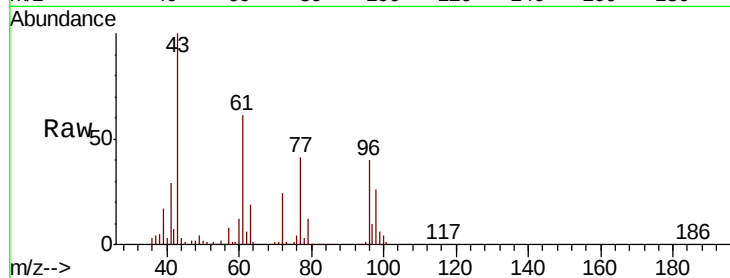
Tot Ion: 96 Resp: 182700

Ion Ratio Lower Upper

96 100

61 155.7 0.0 310.8

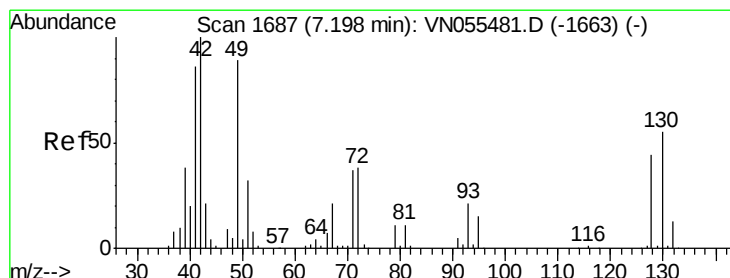
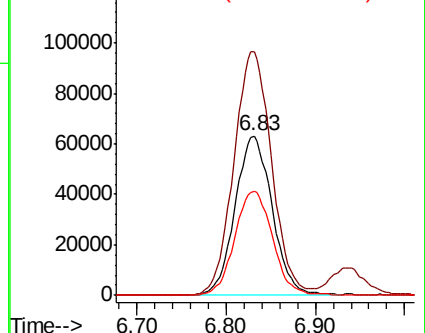
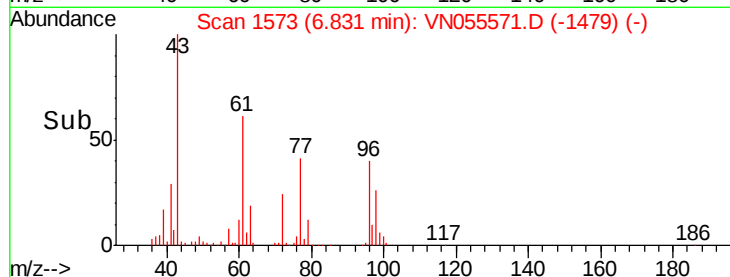
98 66.6 0.0 129.4



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: 19.546 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

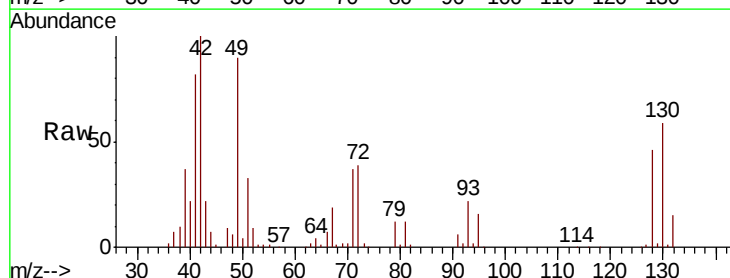
Tgt Ion: 49 Resp: 170053

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.2

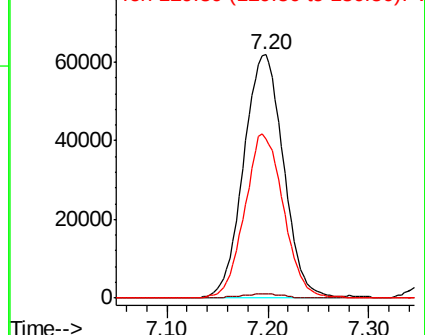
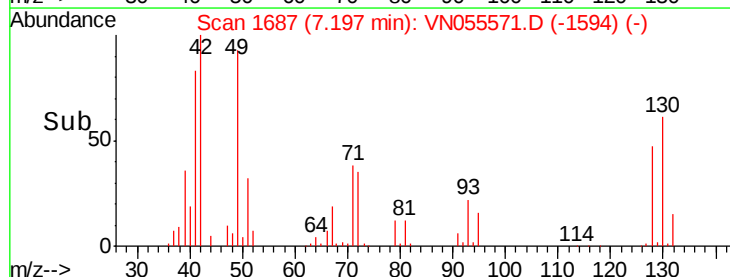
130 65.5 49.5 74.3

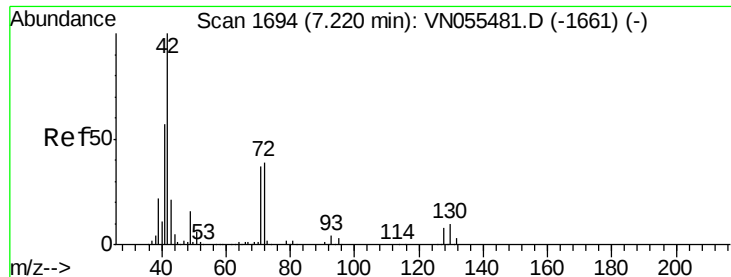


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

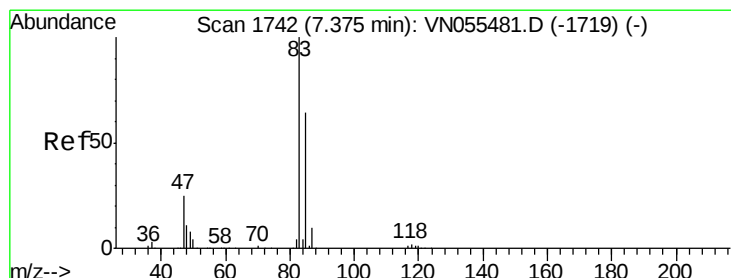
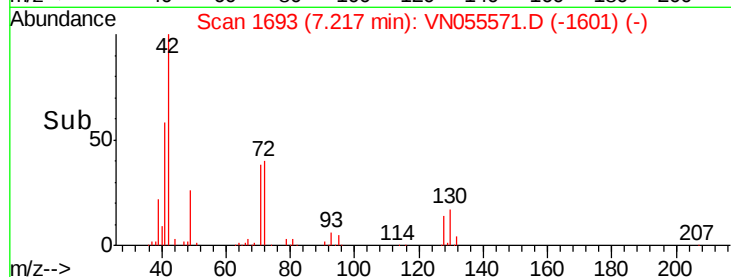
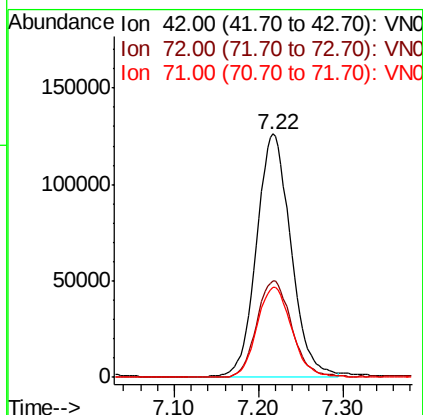
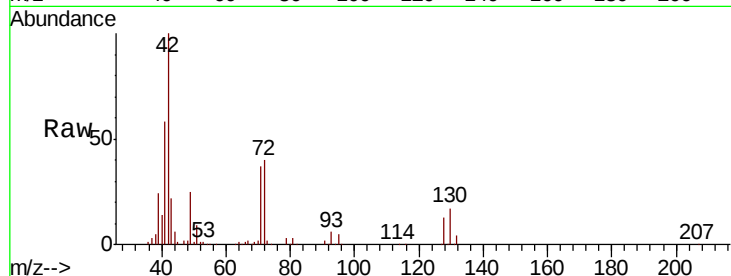




#29
Tetrahydrofuran
Concen: 82.046 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

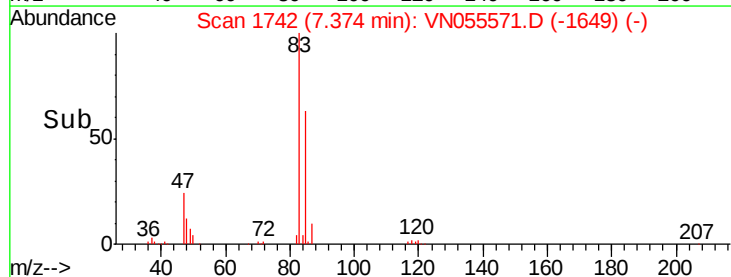
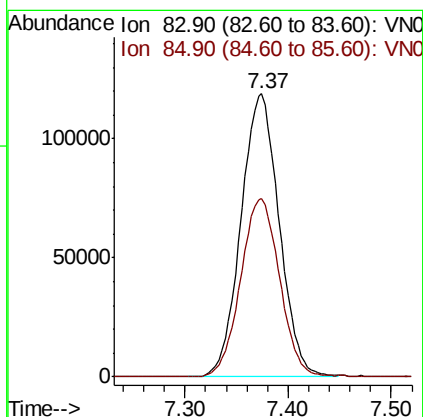
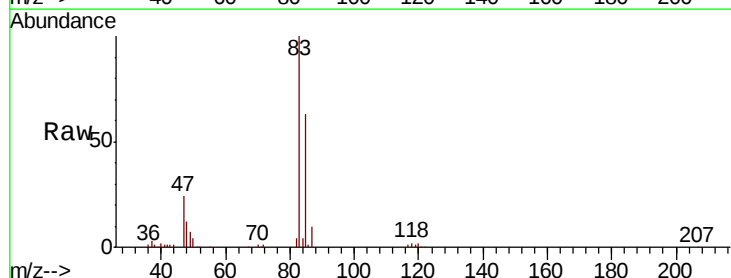
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

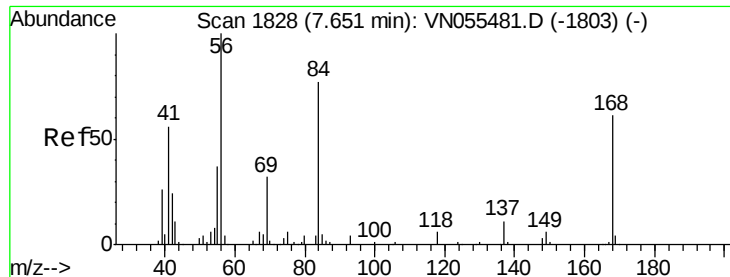
Tot Ion: 42 Resp: 356314
Ion Ratio Lower Upper
42 100
72 40.6 31.0 46.6
71 37.7 29.4 44.2



#30
Chloroform
Concen: 19.789 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 83 Resp: 306472
Ion Ratio Lower Upper
83 100
85 62.8 51.3 76.9





#31

Cyclohexane

Concen: 18.166 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

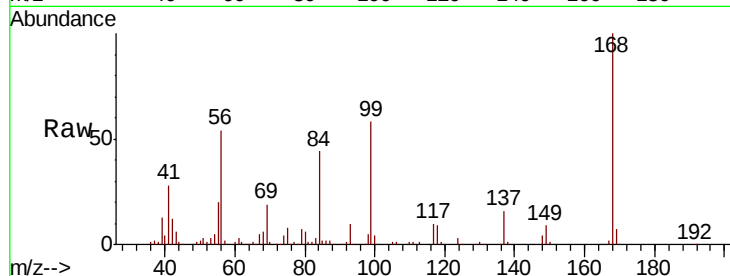
Tot Ion: 56 Resp: 301112

Ion Ratio Lower Upper

56 100

69 34.6 26.0 39.0

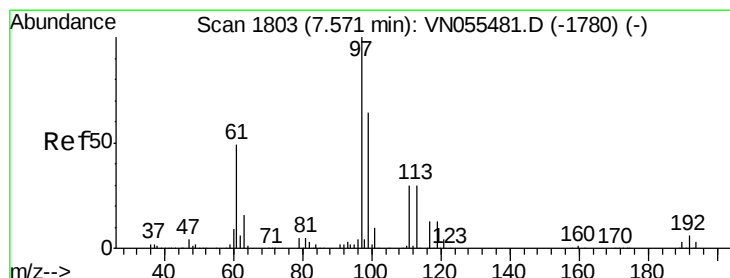
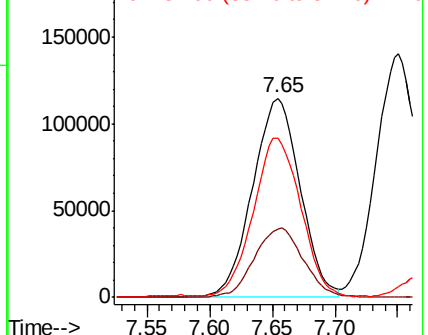
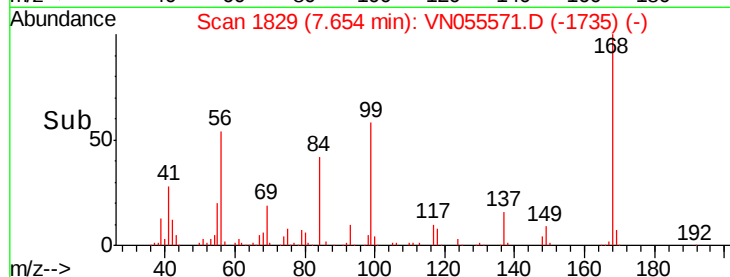
84 79.2 61.9 92.9



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: 19.956 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

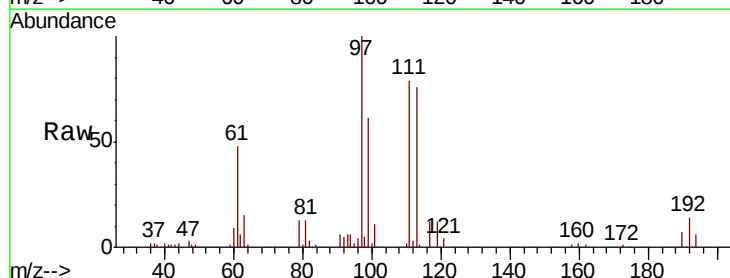
Tgt Ion: 97 Resp: 235358

Ion Ratio Lower Upper

97 100

99 63.6 51.2 76.8

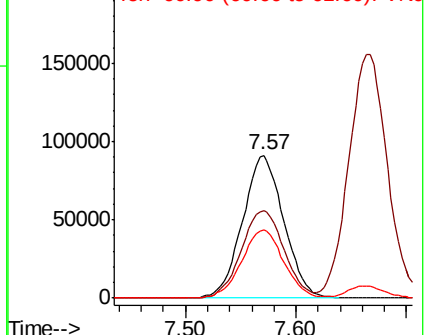
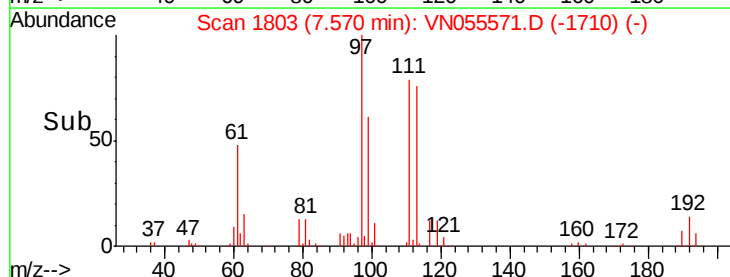
61 48.8 39.2 58.8

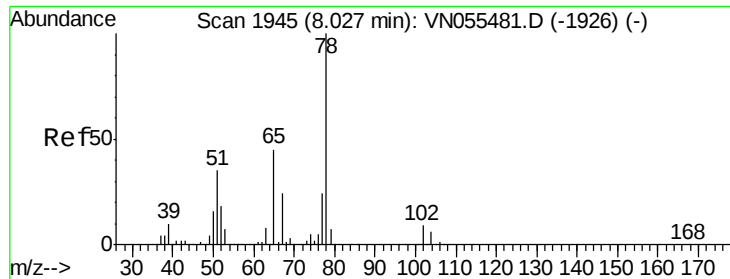


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

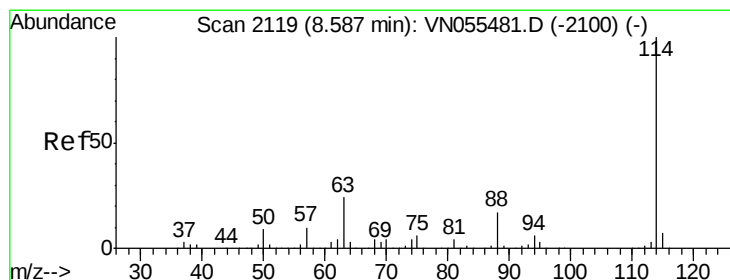
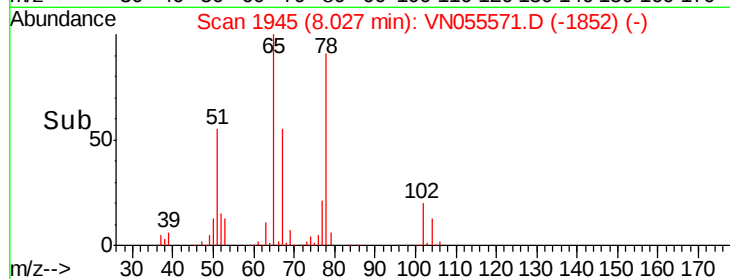
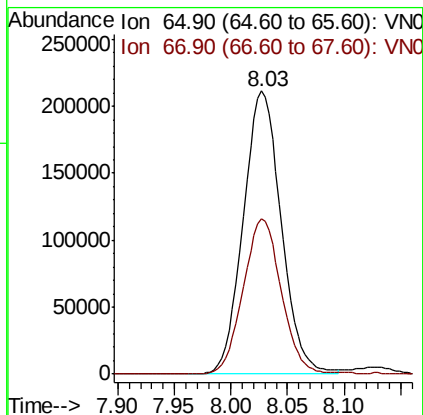
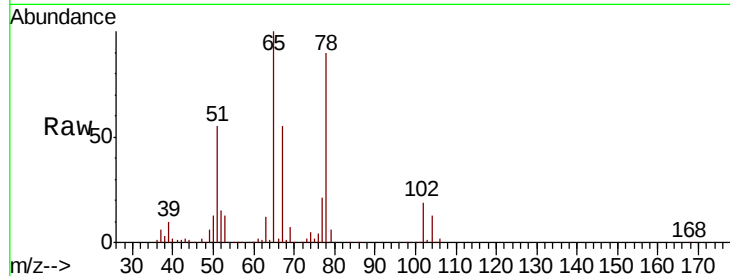




#33
 1,2-Dichloroethane-d4
 Concen: 48.138 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

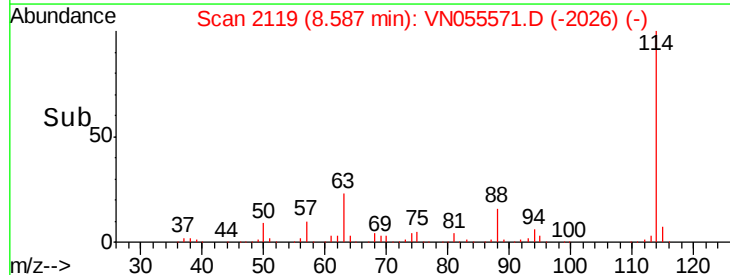
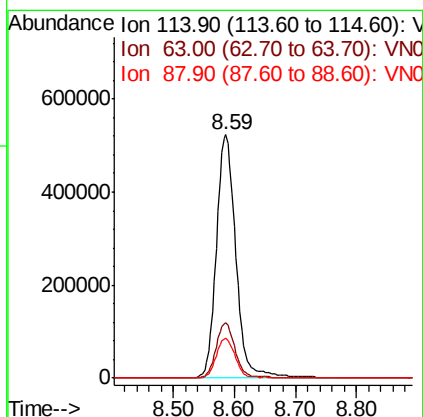
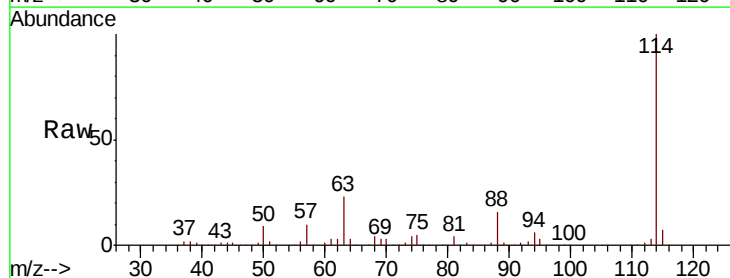
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Tot Ion: 65 Resp: 494403
 Ion Ratio Lower Upper
 65 100
 67 54.8 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: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion: 114 Resp: 1163363
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.3 0.0 34.0

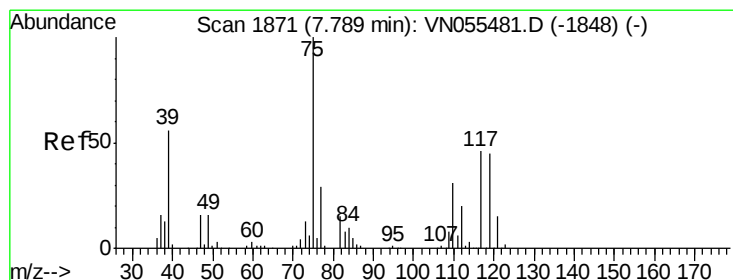
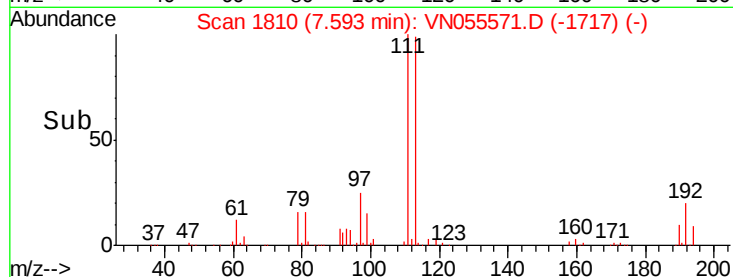
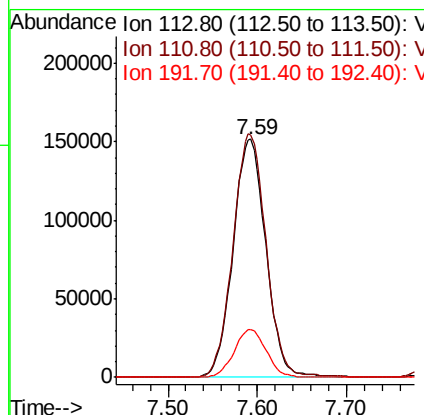
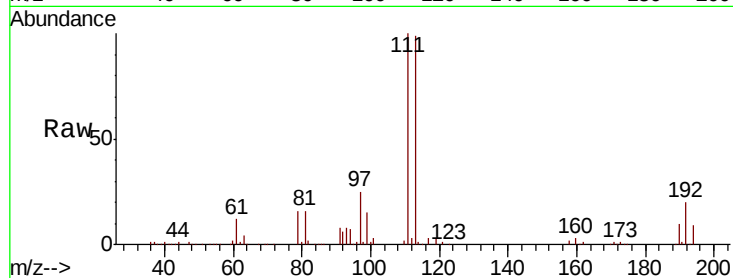




#35
Dibromofluoromethane
Concen: 51.414 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

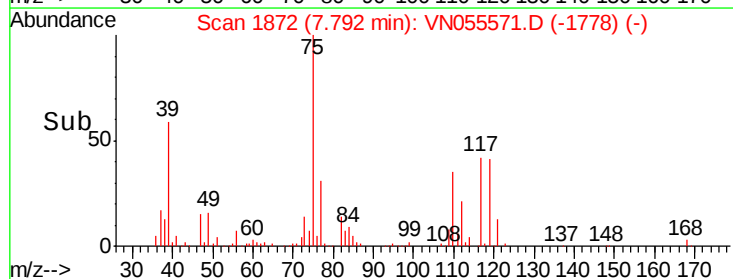
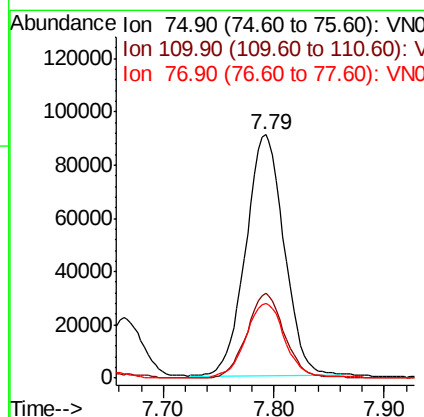
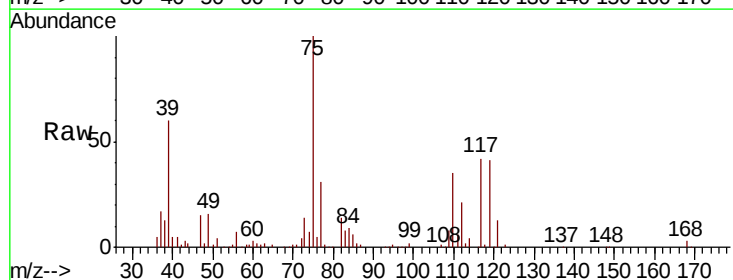
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

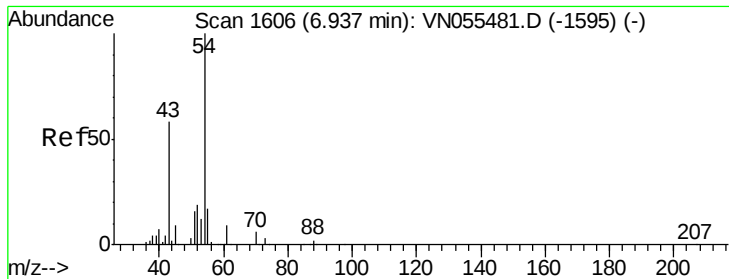
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	19.8	15.6	23.4



#36
1,1-Dichloropropene
Concen: 19.098 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.1	48.3
77	30.9	24.6	37.0

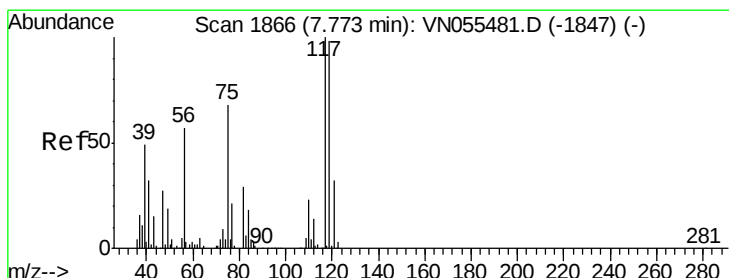
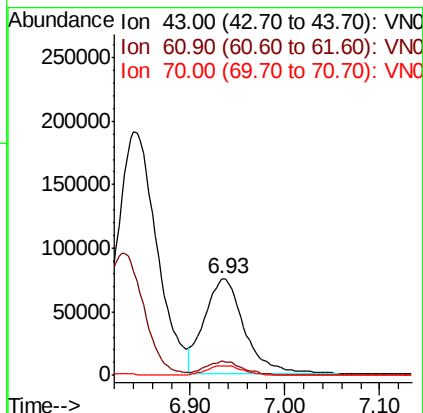
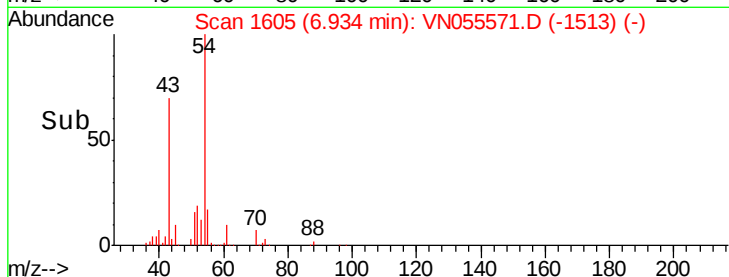
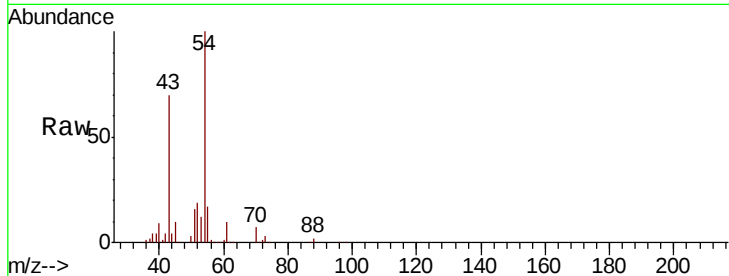




#37
Ethyl Acetate
Concen: 17.617 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

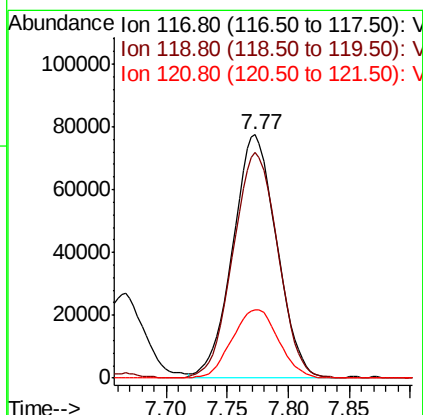
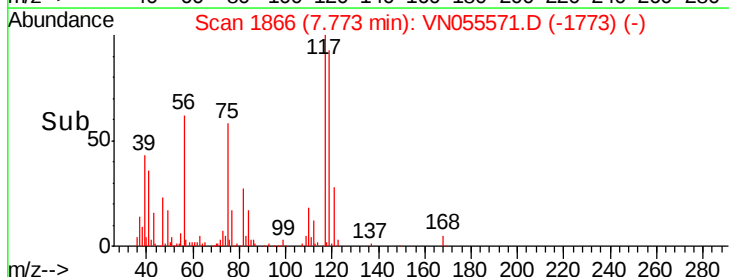
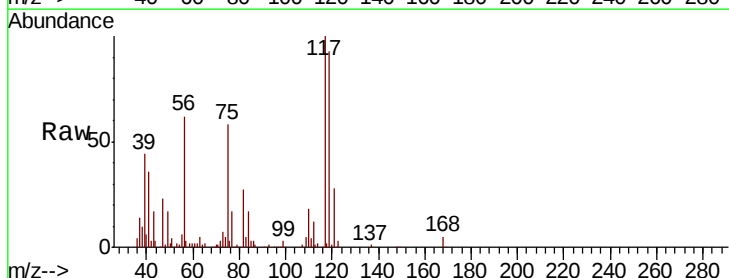
Instrument :
MSVOA_N
ClientSampled :
VN0513MBS01

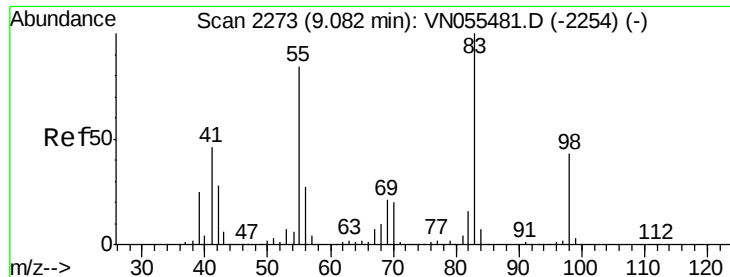
Tot Ion: 43 Resp: 220248
Ion Ratio Lower Upper
43 100
61 13.5 10.9 16.3
70 8.9 7.0 10.6



#38
Carbon Tetrachloride
Concen: 19.934 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 117 Resp: 192383
Ion Ratio Lower Upper
117 100
119 92.6 77.8 116.6
121 28.3 25.2 37.8

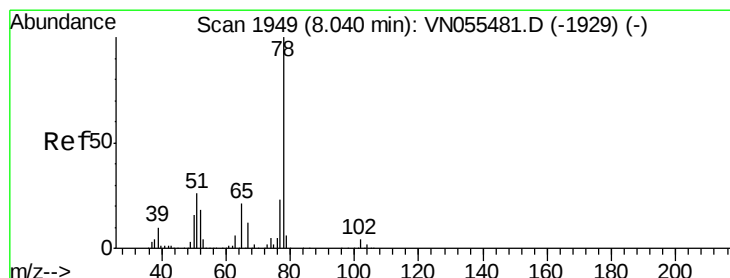
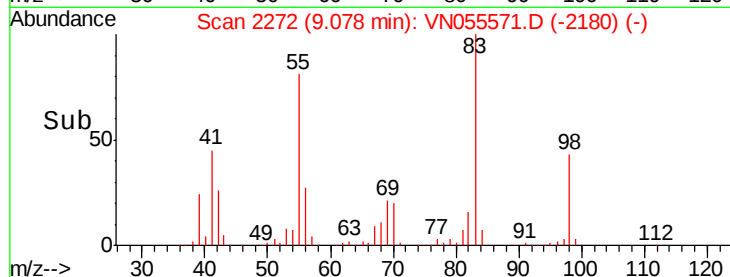
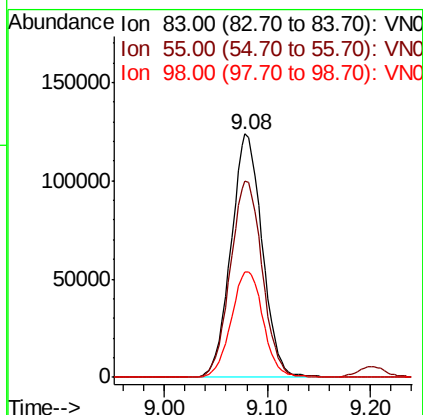
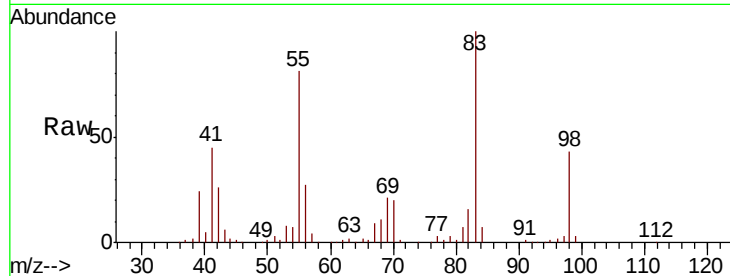




#39
Methvlcvclohexane
Concen: 18.662 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

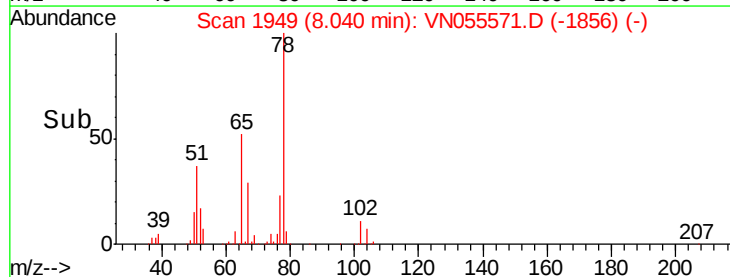
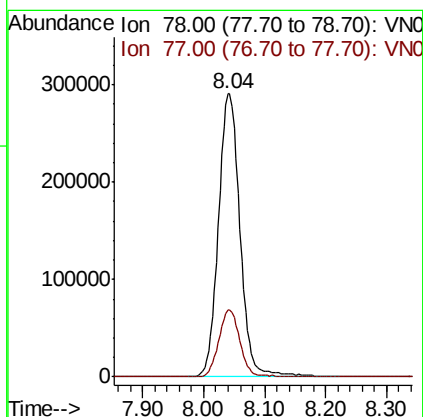
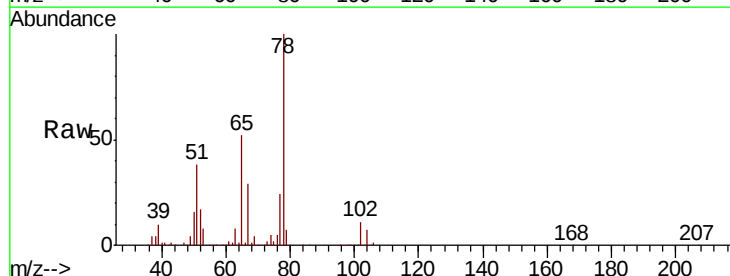
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

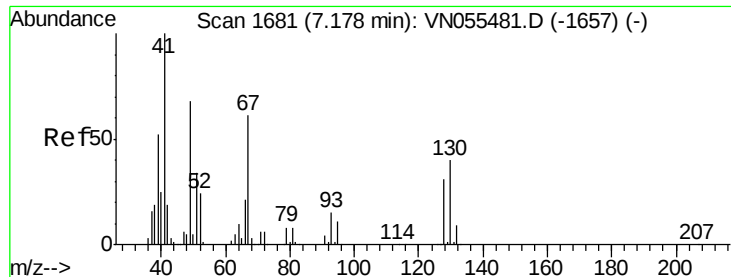
Tot Ion: 83 Resp: 260778
Ion Ratio Lower Upper
83 100
55 80.7 67.0 100.4
98 43.2 34.2 51.4



#40
Benzene
Concen: 20.036 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 78 Resp: 712702
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8





#41

Methacrylonitrile

Concen: 19.380 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0513MBS01

Tot Ion: 41 Resp: 112455

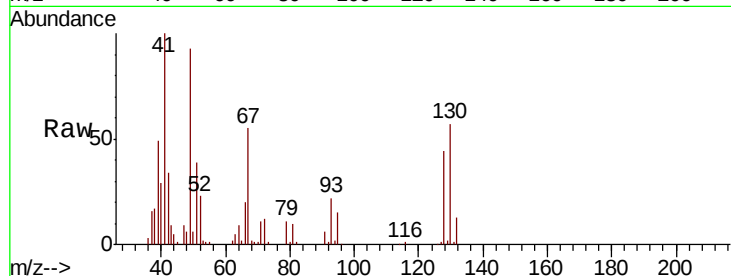
Ion Ratio Lower Upper

41 100

39 51.1 44.7 67.1

67 78.6 61.4 92.0

52 32.2 25.0 37.4

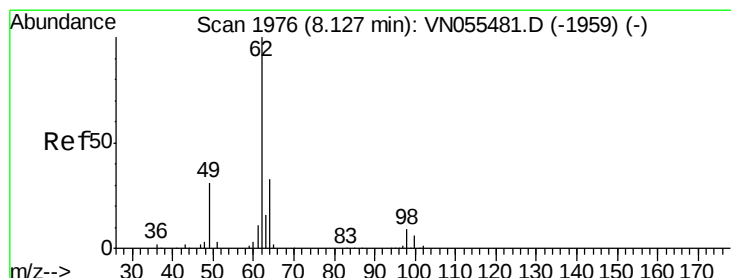
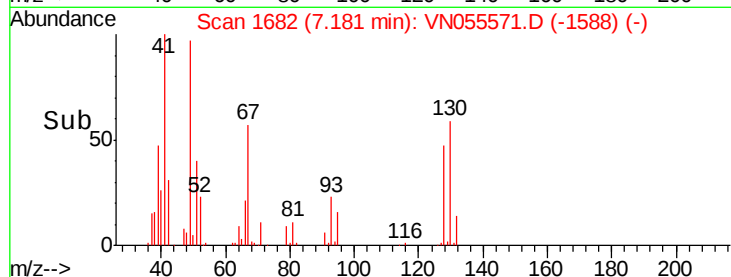
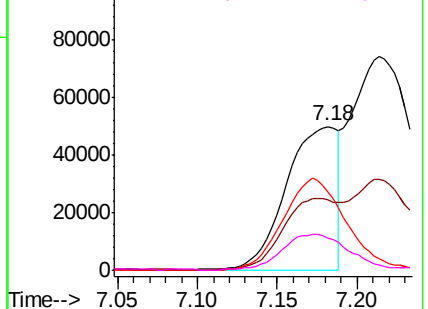


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.159 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN055571.D

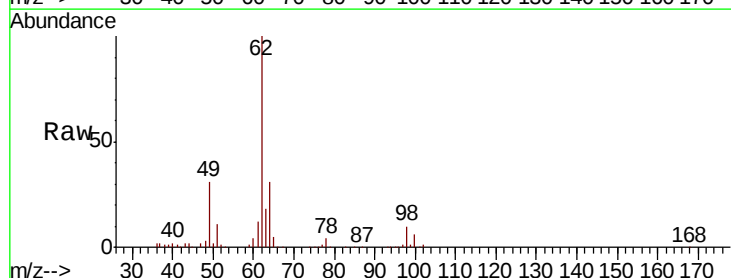
Acq: 13 May 2019 11:38

Tgt Ion: 62 Resp: 239431

Ion Ratio Lower Upper

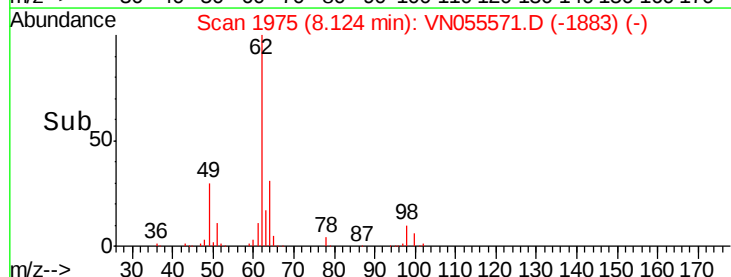
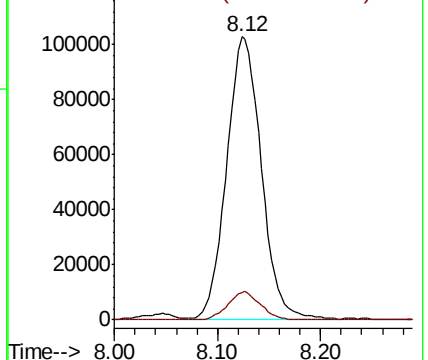
62 100

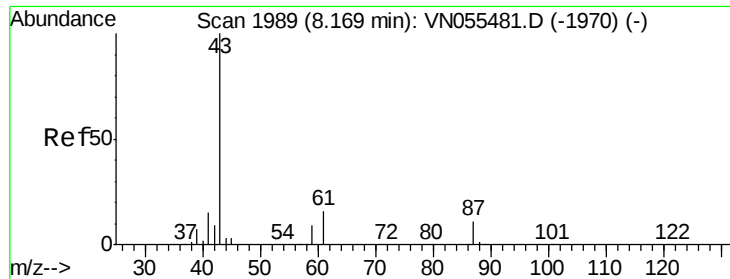
98 9.4 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.987 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

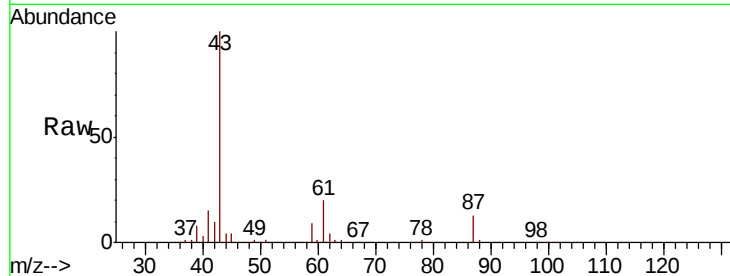
Tot Ion: 43 Resp: 341644

Ion Ratio Lower Upper

43 100

61 19.7 15.1 22.7

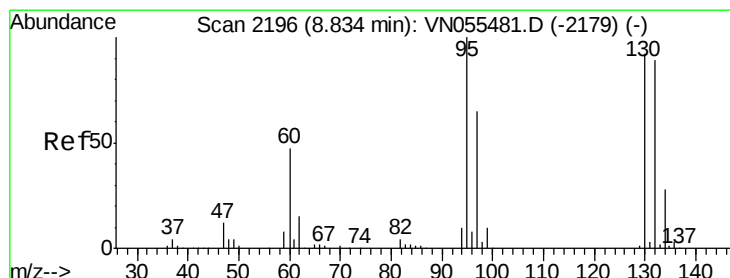
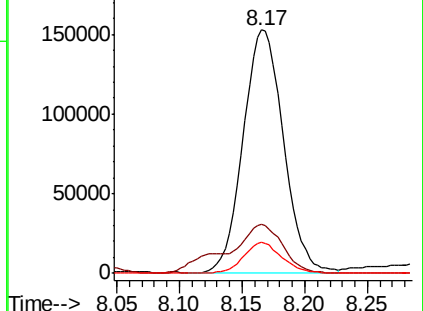
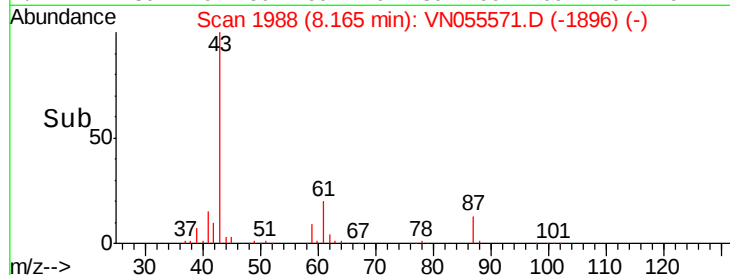
87 12.1 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055571.D (-1986) (-)

Ion 61.00 (60.70 to 61.70): VN055571.D (-1986) (-)

Ion 87.00 (86.70 to 87.70): VN055571.D (-1986) (-)



#44

Trichloroethene

Concen: 20.100 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055571.D

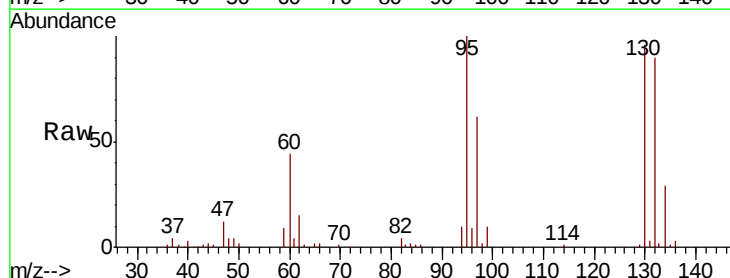
Acq: 13 May 2019 11:38

Tgt Ion: 130 Resp: 170117

Ion Ratio Lower Upper

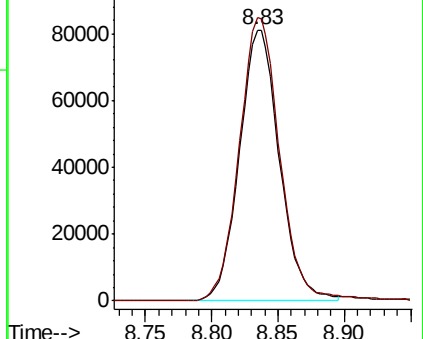
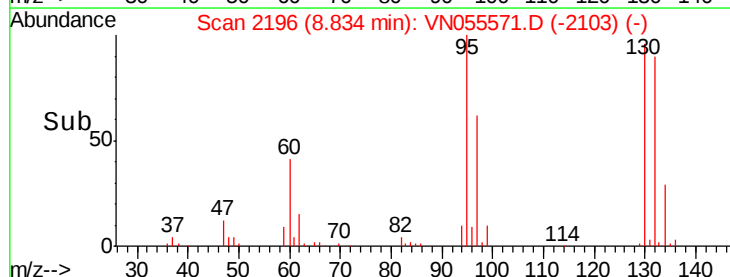
130 100

95 104.6 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055571.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055571.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 19.468 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

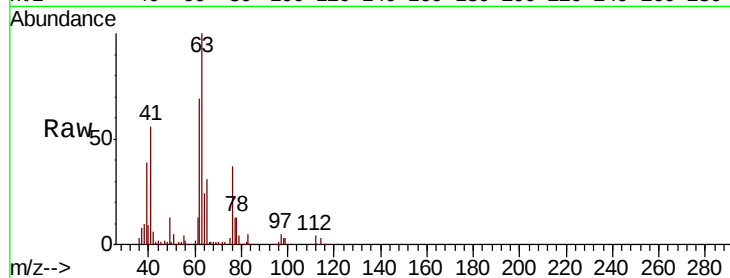
VN0513MBS01

Tot Ion: 63 Resp: 198137

Ion Ratio Lower Upper

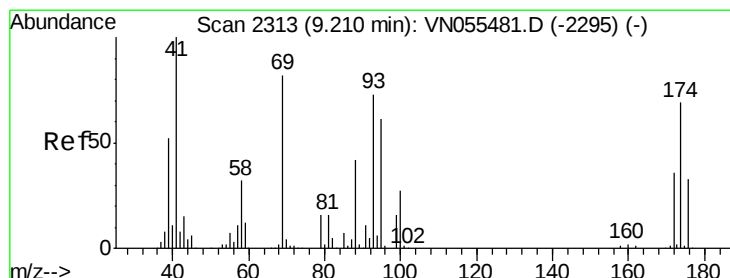
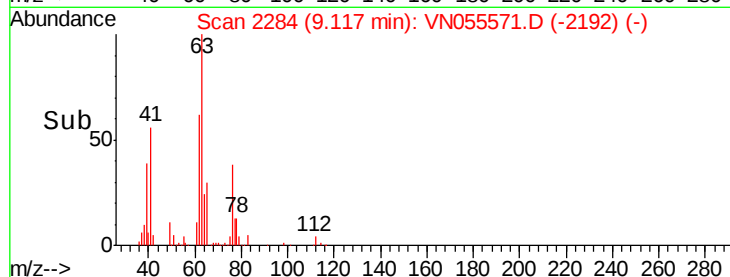
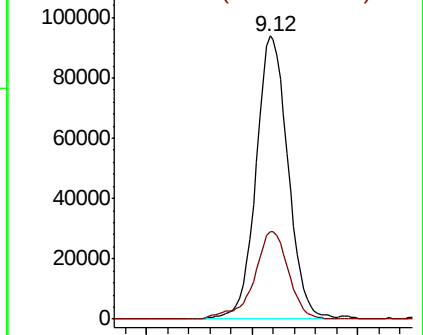
63 100

65 30.9 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.871 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

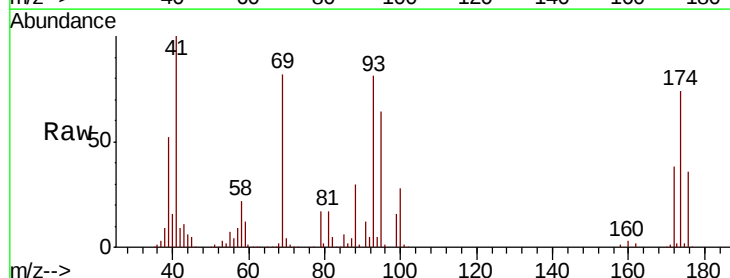
Tgt Ion: 93 Resp: 117225

Ion Ratio Lower Upper

93 100

95 80.2 64.8 97.2

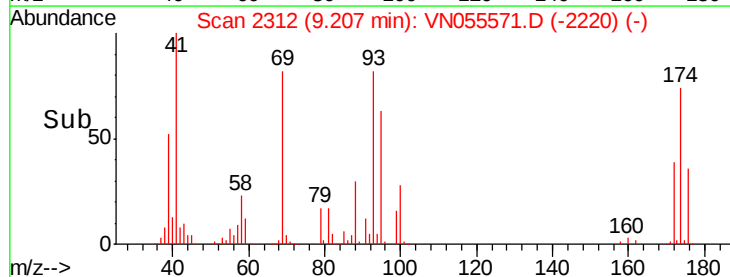
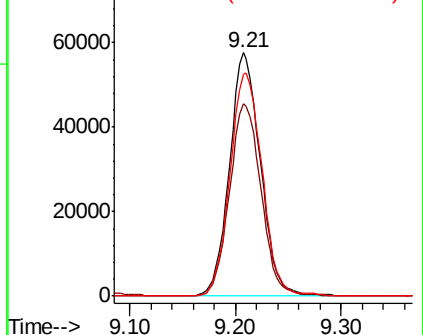
174 95.0 75.0 112.6

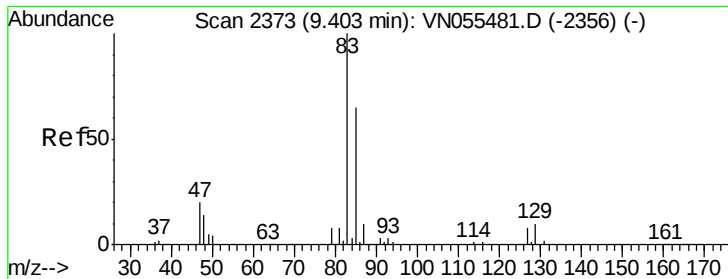


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.066 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

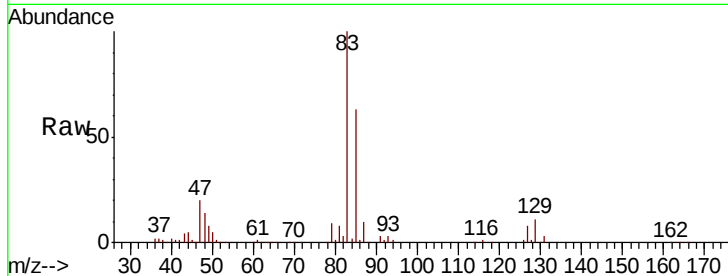
Tot Ion: 83 Resp: 226456

Ion Ratio Lower Upper

83 100

85 63.3 52.2 78.2

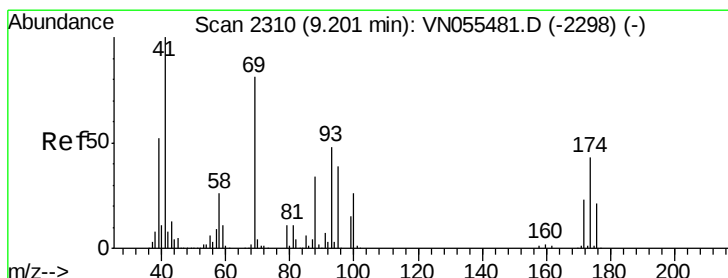
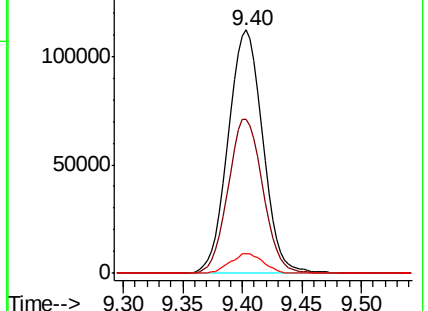
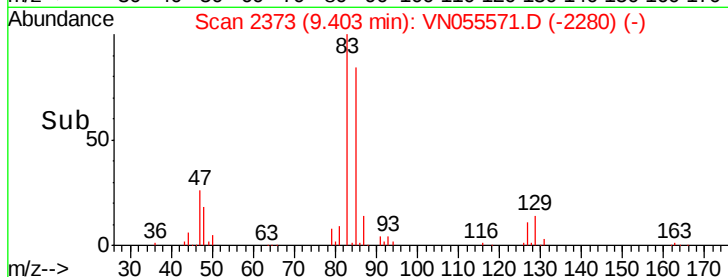
127 8.2 6.5 9.7



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: 17.636 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

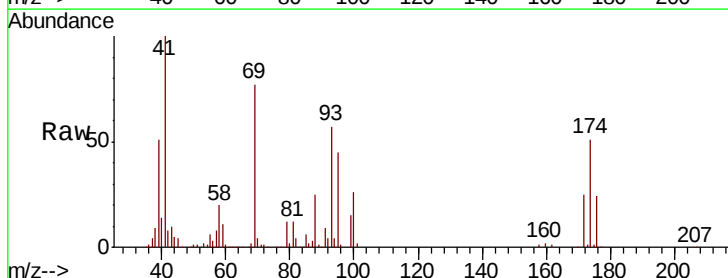
Tgt Ion: 41 Resp: 161394

Ion Ratio Lower Upper

41 100

69 83.6 64.2 96.2

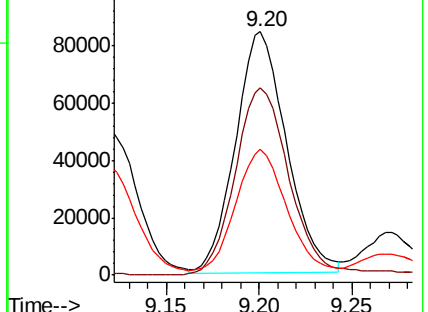
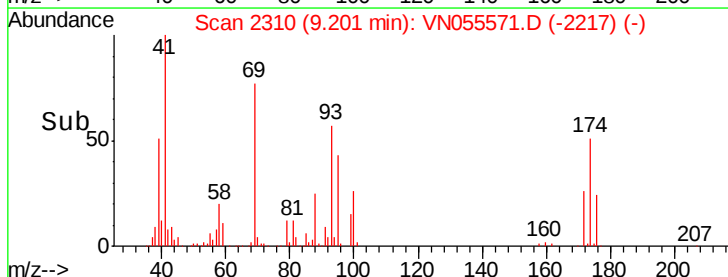
39 52.1 41.6 62.4

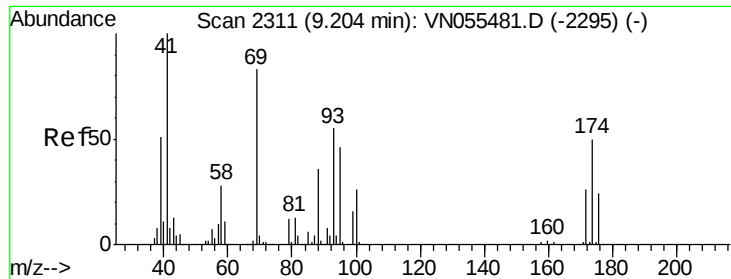


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

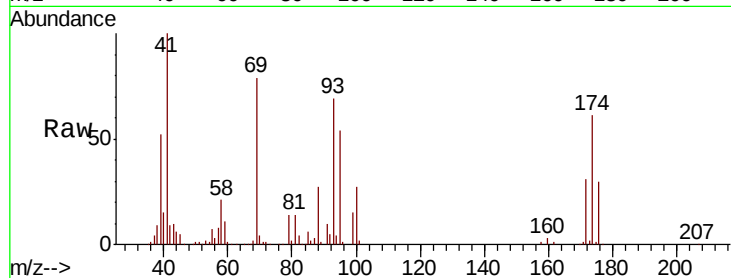




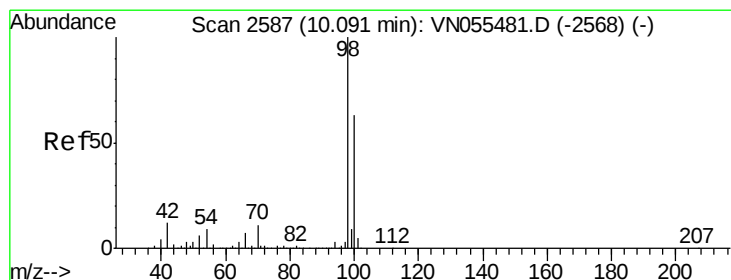
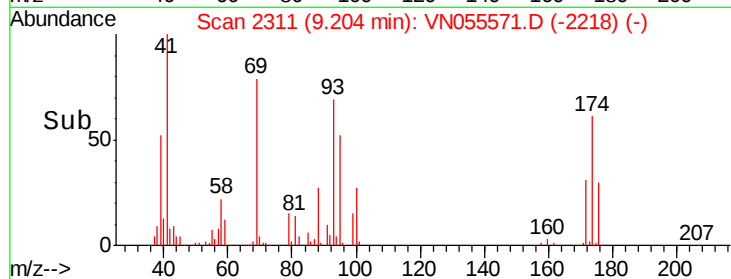
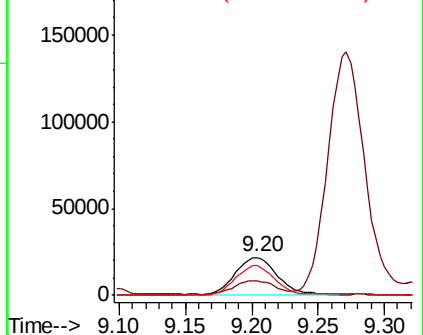
#49
1,4-Dioxane
Concen: 277.092 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion: 88 Resp: 49423
Ion Ratio Lower Upper
88 100
43 34.3 27.8 41.8
58 72.9 61.8 92.6

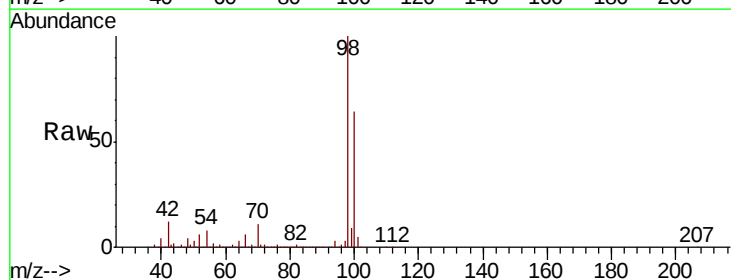


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

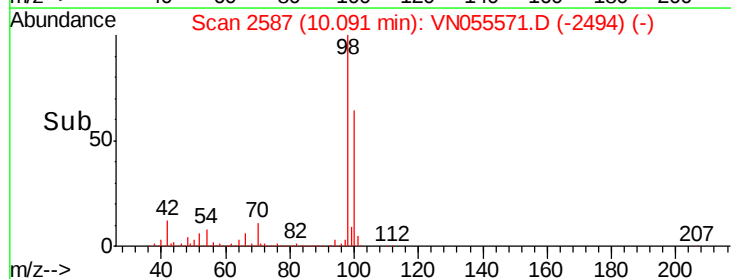
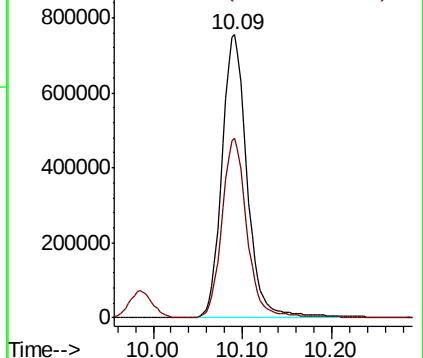


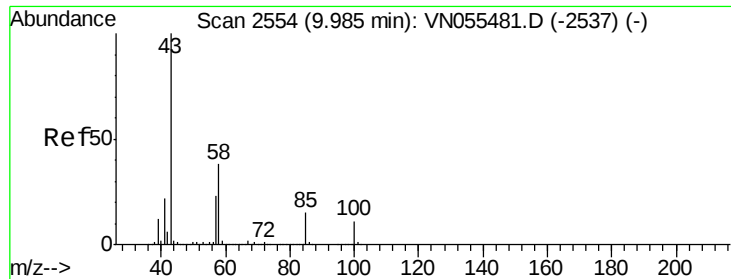
#50
Toluene-d8
Concen: 50.373 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 98 Resp: 1473146
Ion Ratio Lower Upper
98 100
100 63.2 50.4 75.6



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





#51

4-Methyl-2-Pentanone

Concen: 84.800 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

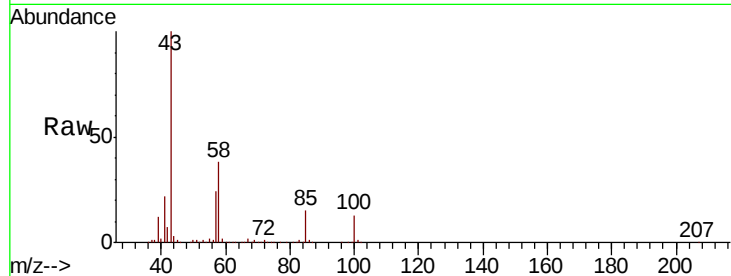
VN0513MBS01

Tot Ion: 43 Resp: 1059320

Ion Ratio Lower Upper

43 100

58 38.6 29.9 44.9



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

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

9.99

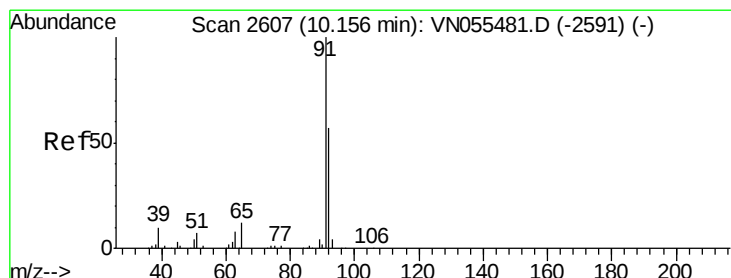
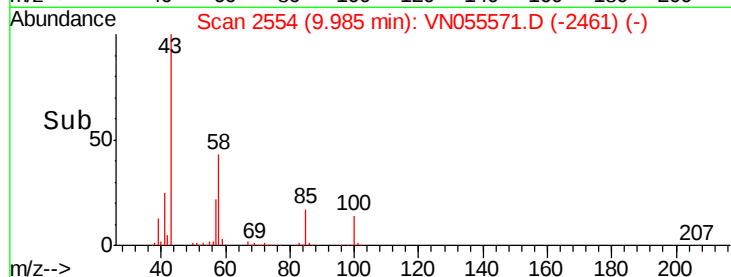
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.201 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055571.D

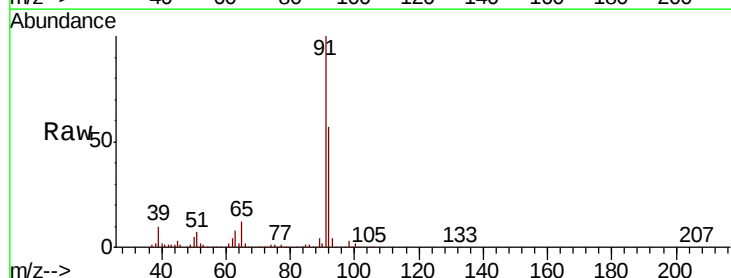
Acq: 13 May 2019 11:38

Tgt Ion: 92 Resp: 410794

Ion Ratio Lower Upper

92 100

91 175.0 140.5 210.7



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

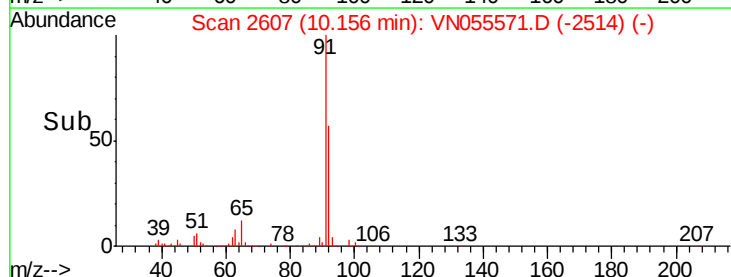
300000

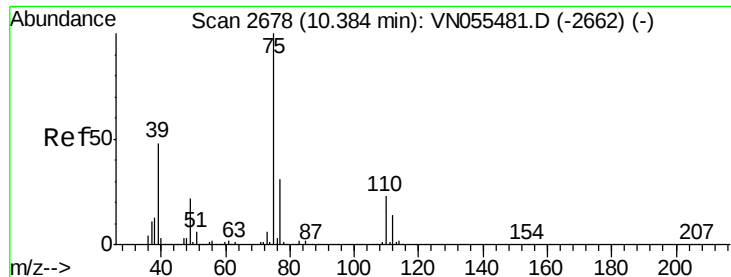
200000

100000

0

Time-->

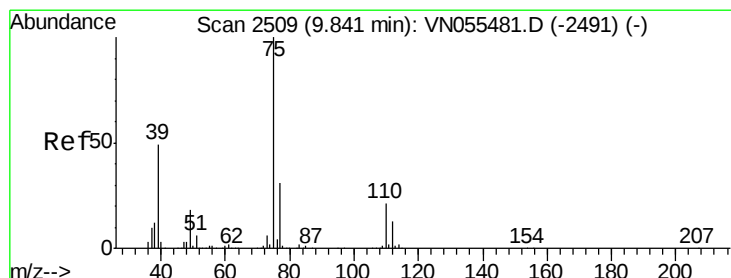
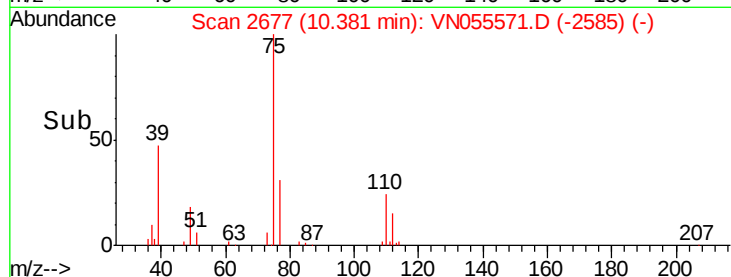
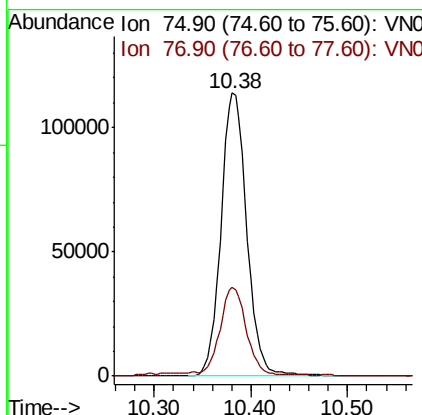
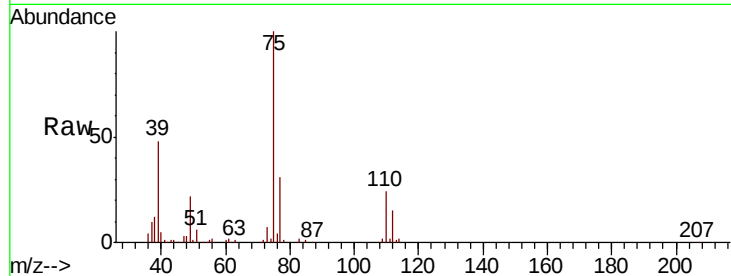




#53
t-1,3-Dichloropropene
Concen: 19.469 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

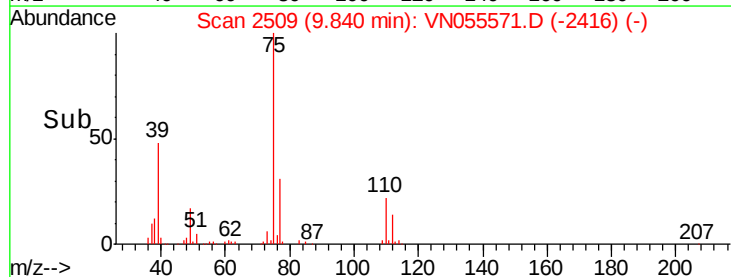
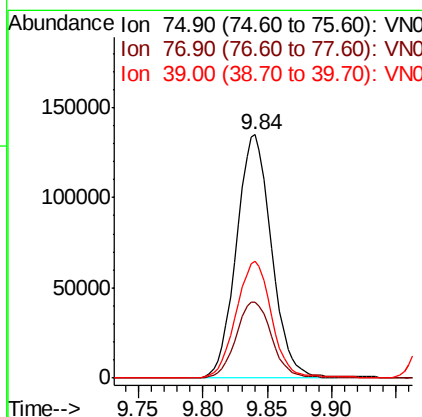
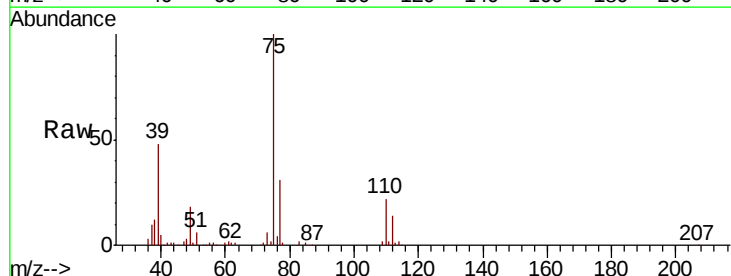
Instrument :
MSVOA_N
ClientSampled :
VN0513MBS01

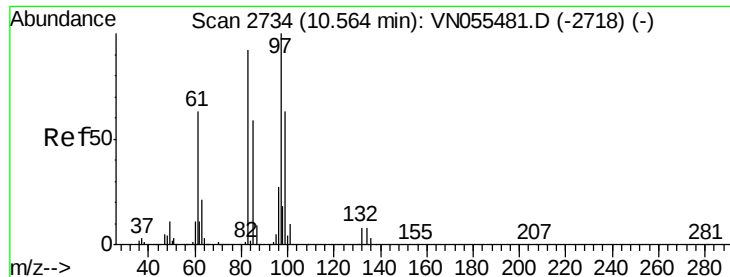
Tot Ion: 75 Resp: 211026
Ion Ratio Lower Upper
75 100
77 30.9 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 19.761 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 75 Resp: 255953
Ion Ratio Lower Upper
75 100
77 31.3 24.4 36.6
39 48.0 39.5 59.3

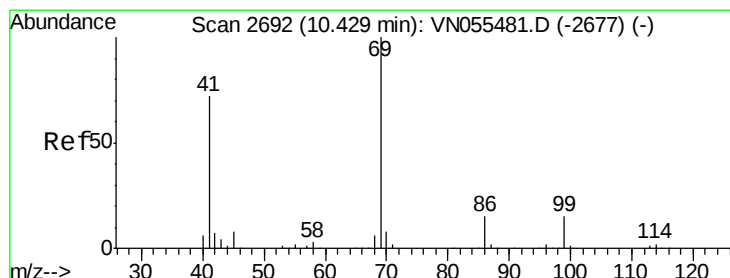
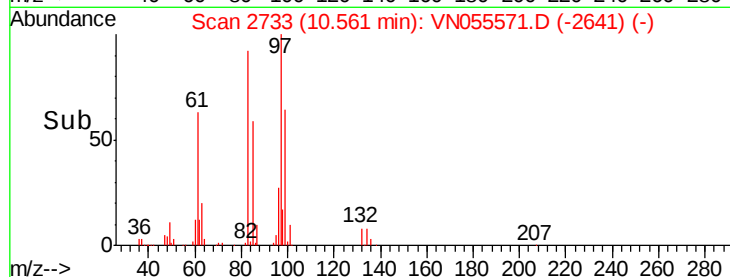
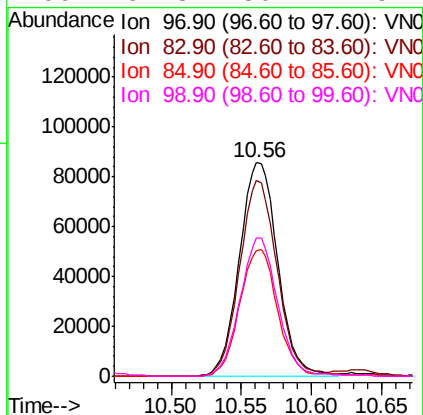
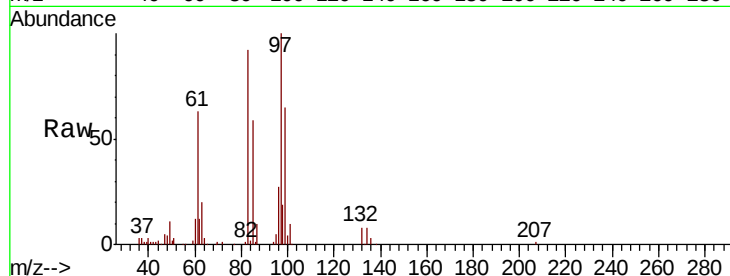




#55
 1,1,2-Trichloroethane
 Concen: 19.852 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

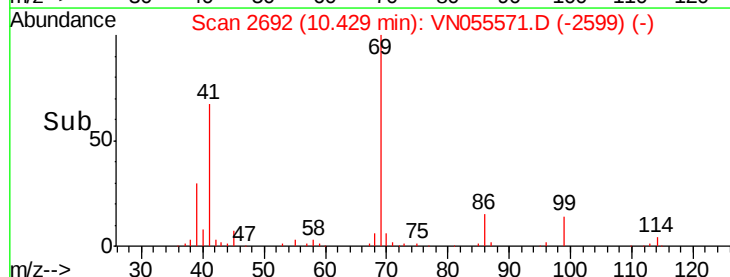
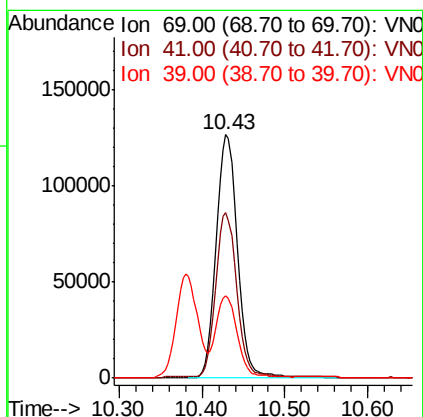
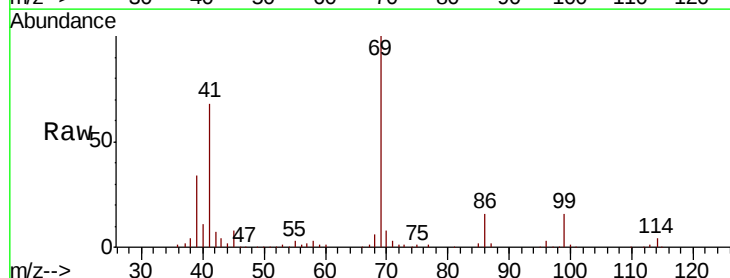
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

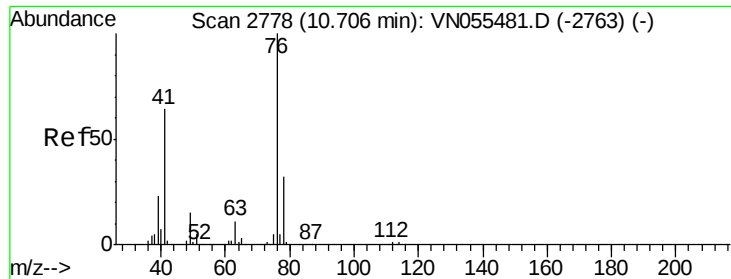
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.9	73.2	109.8	
85	58.8	47.5	71.3	
99	64.3	50.2	75.2	



#56
 Ethyl methacrylate
 Concen: 18.515 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	65.6	56.2	84.2	
39	32.9	27.8	41.6	

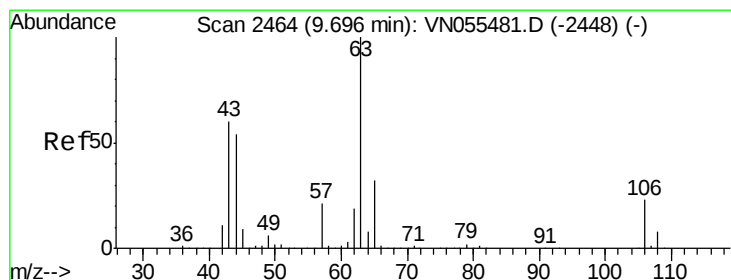
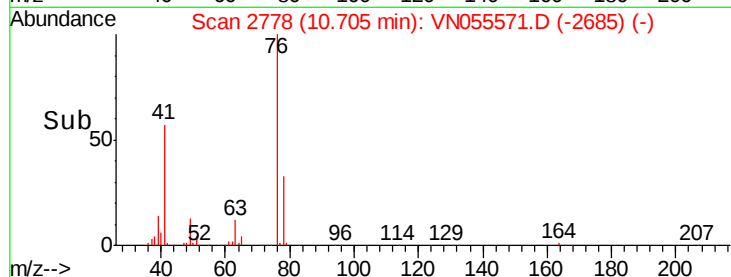
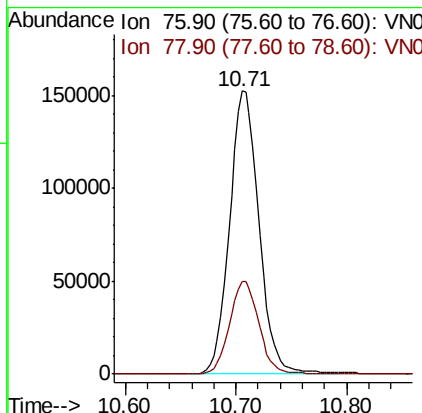
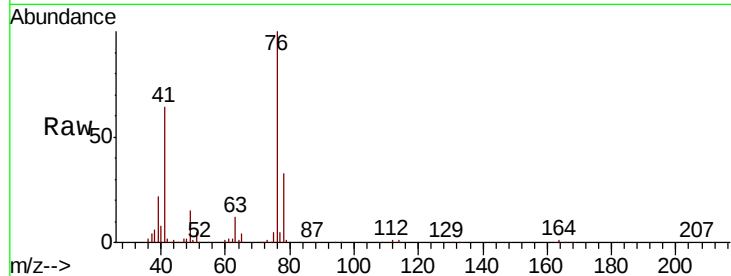




#57
 1,3-Dichloropropane
 Concen: 19.271 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

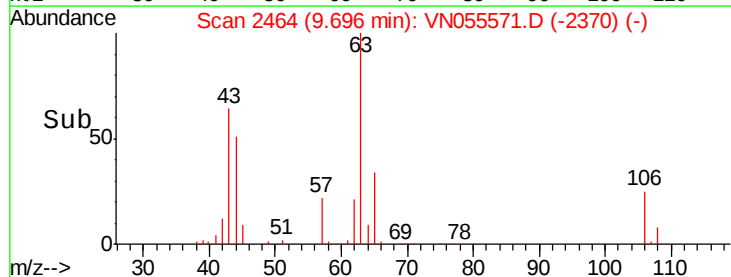
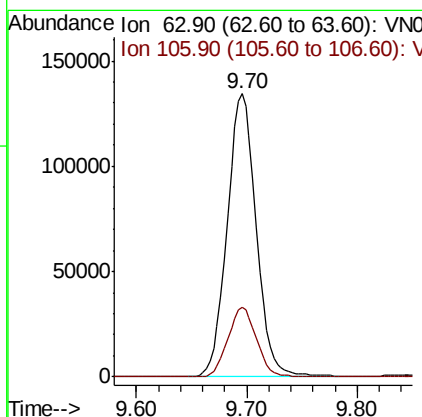
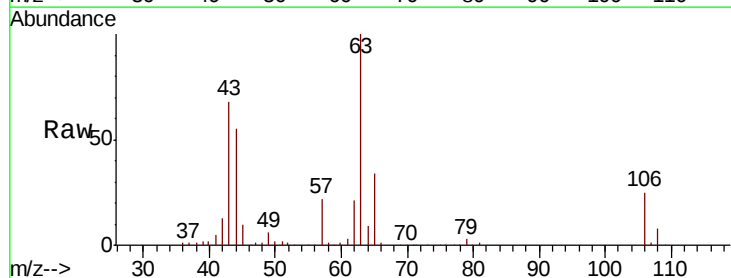
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

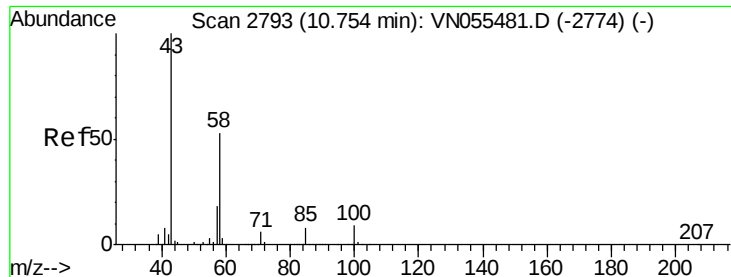
Tot Ion: 76 Resp: 281881
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 69.151 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion: 63 Resp: 245978
 Ion Ratio Lower Upper
 63 100
 106 24.1 18.6 27.8

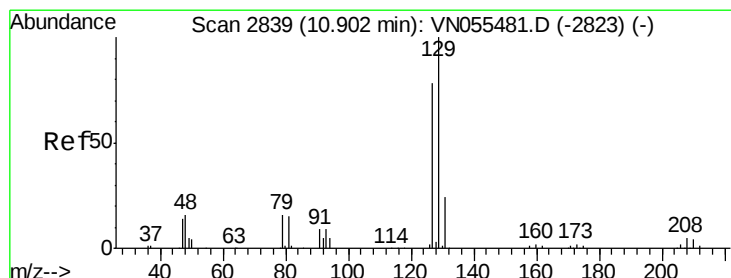
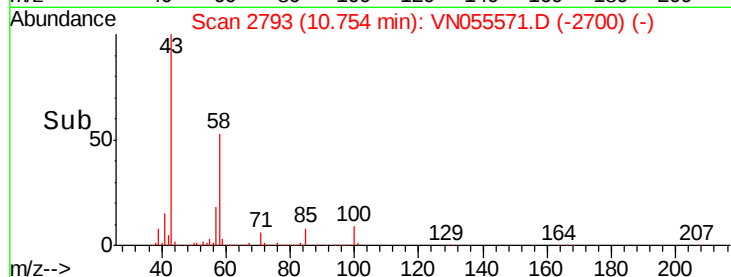
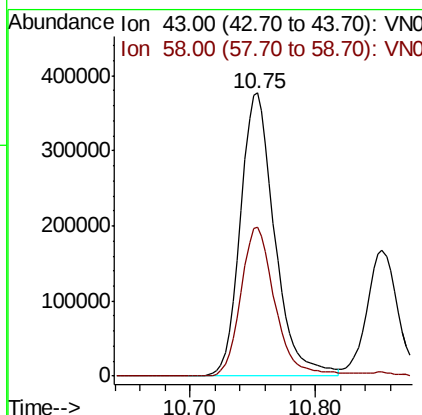
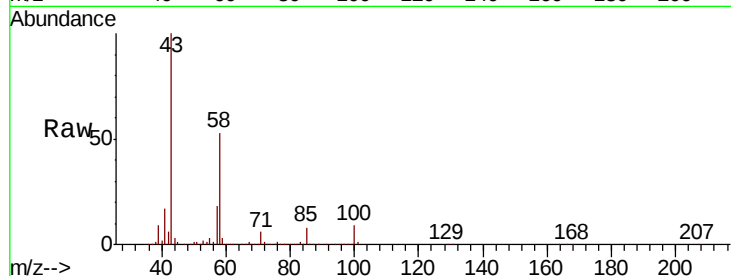




#59
2-Hexanone
Concen: 81.388 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

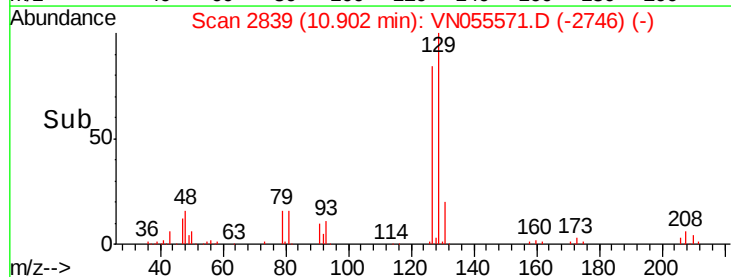
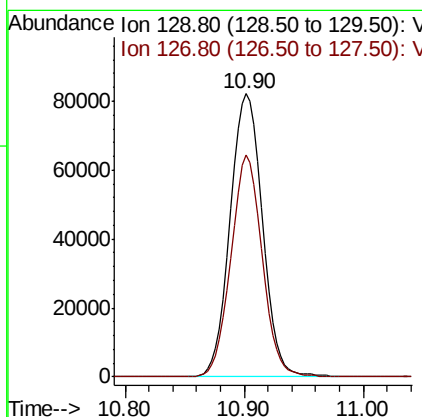
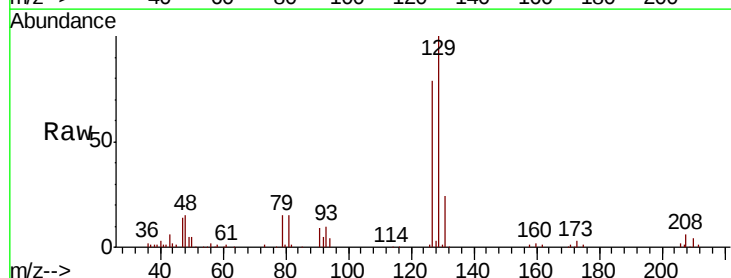
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

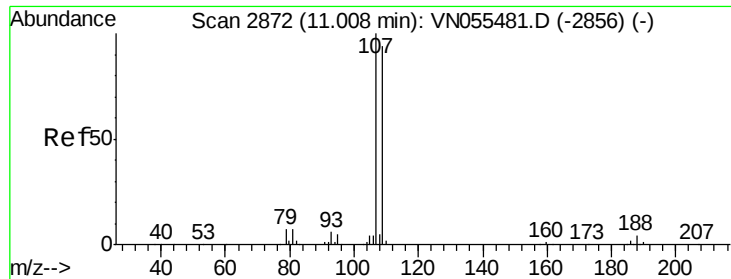
Tot Ion: 43 Resp: 713010
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0



#60
Dibromochloromethane
Concen: 20.690 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 129 Resp: 154995
Ion Ratio Lower Upper
129 100
127 75.8 38.6 116.0

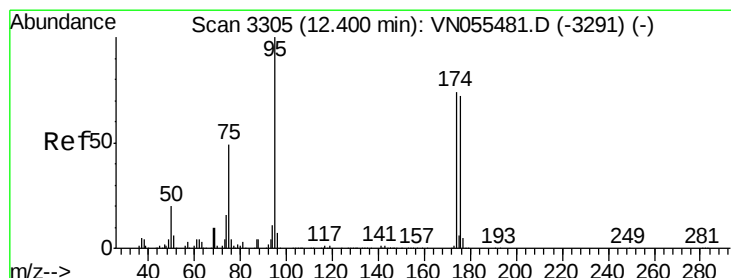
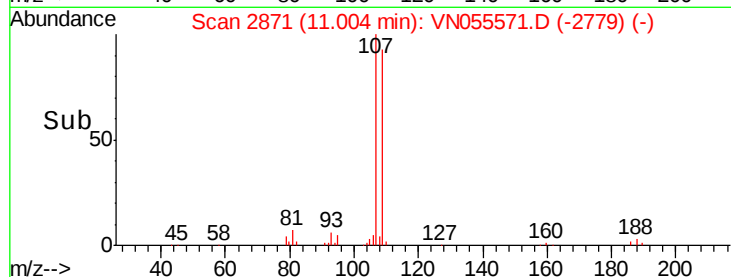
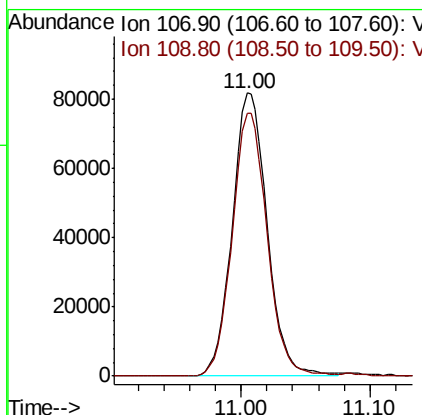
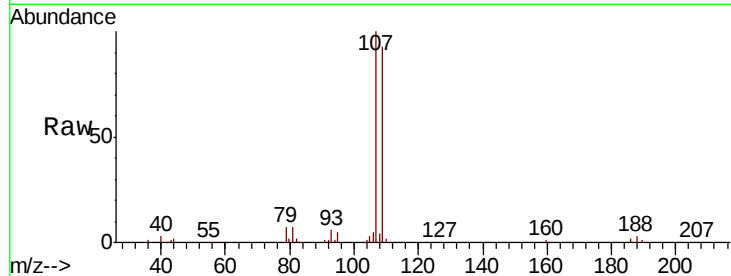




#61
 1,2-Dibromoethane
 Concen: 19.421 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

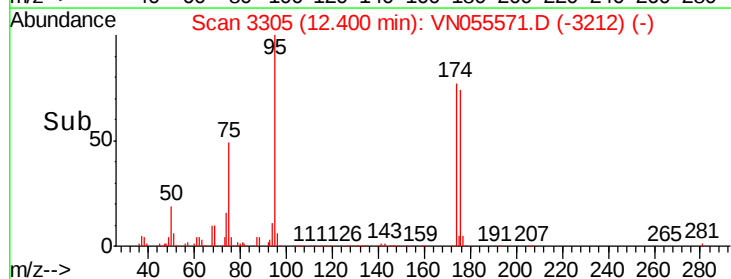
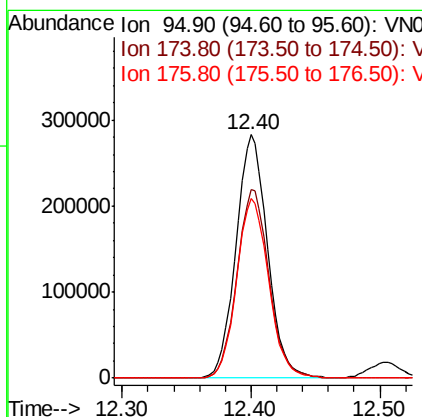
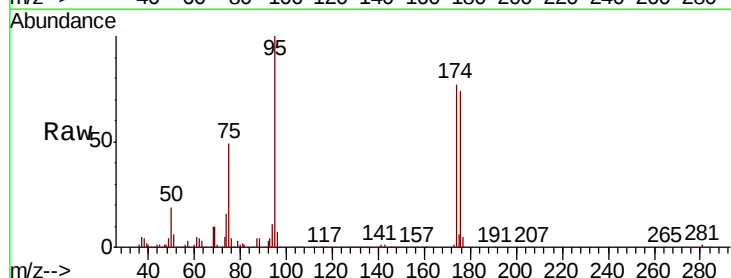
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

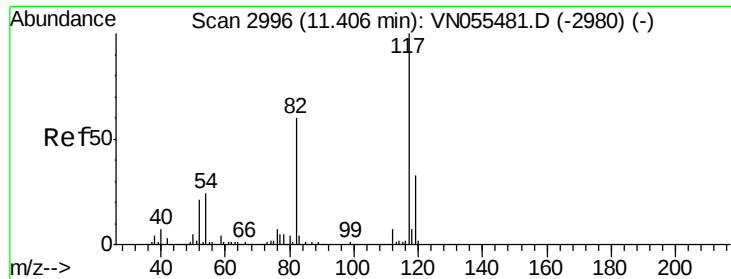
Tot Ion:107 Resp: 153747
 Ion Ratio Lower Upper
 107 100
 109 93.2 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 48.710 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion: 95 Resp: 480327
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 152.2
 176 75.2 0.0 147.8

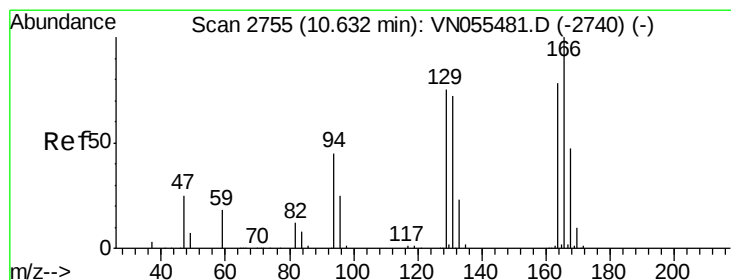
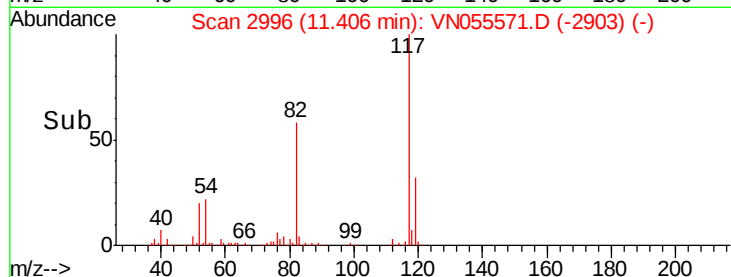
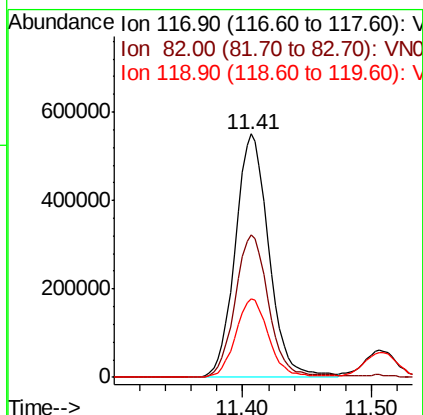
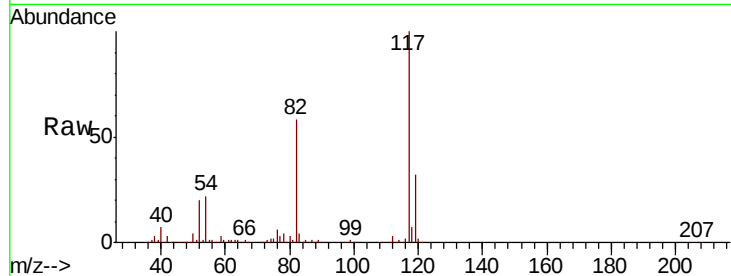




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

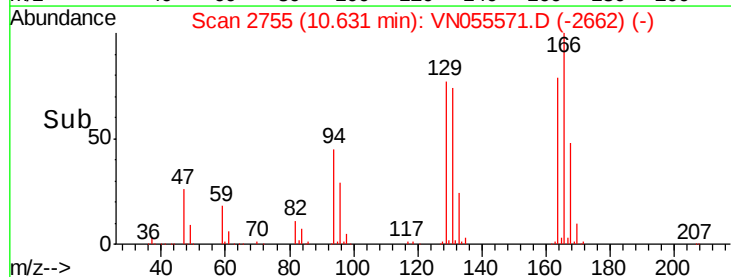
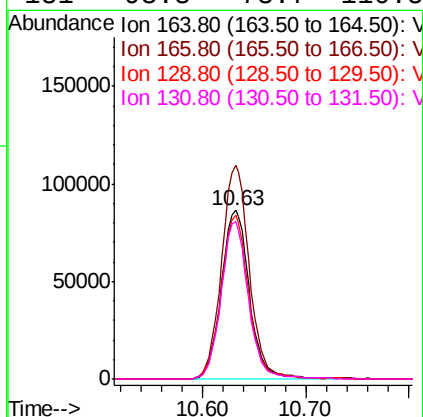
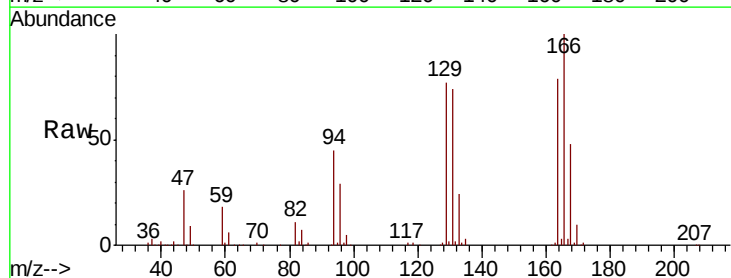
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

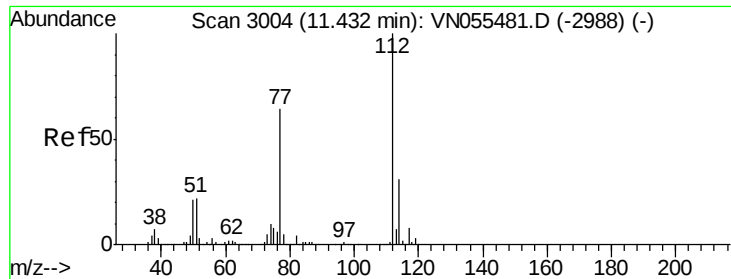
Tot Ion:117 Resp: 997166
Ion Ratio Lower Upper
117 100
82 58.5 48.0 72.0
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 20.143 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion:164 Resp: 164581
Ion Ratio Lower Upper
164 100
166 126.8 102.6 153.8
129 97.4 77.0 115.6
131 93.3 73.7 110.5





#65

Chlorobenzene

Concen: 19.912 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

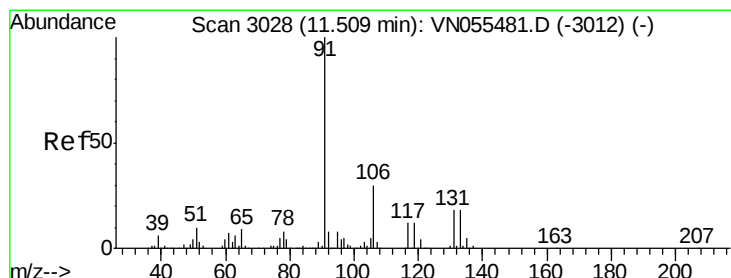
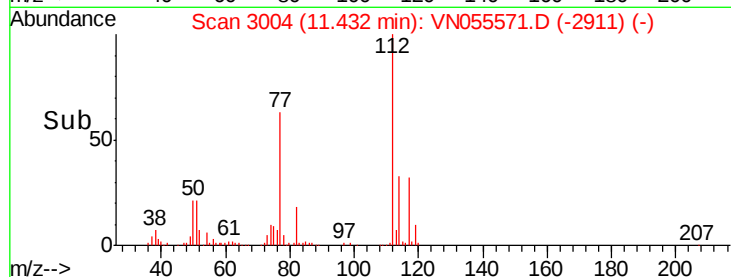
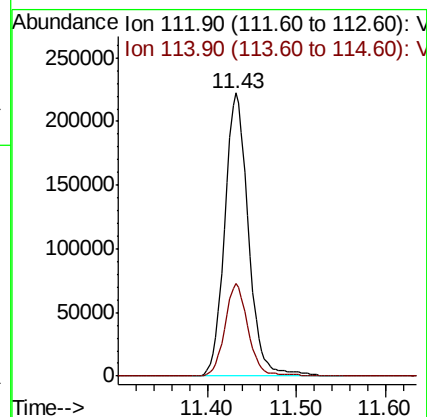
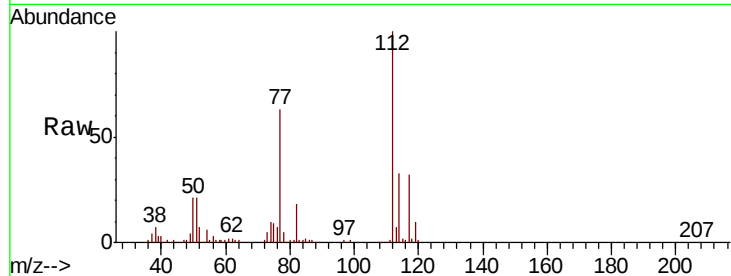
VN0513MBS01

Tot Ion:112 Resp: 408505

Ion Ratio Lower Upper

112 100

114 32.7 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.652 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

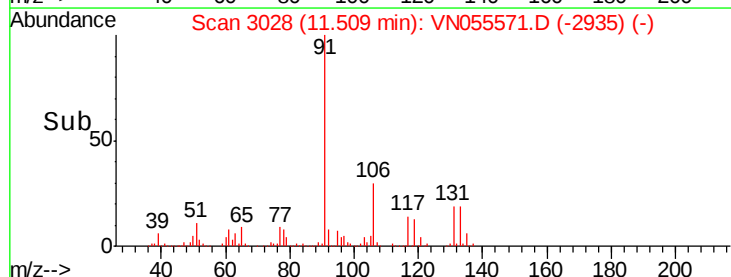
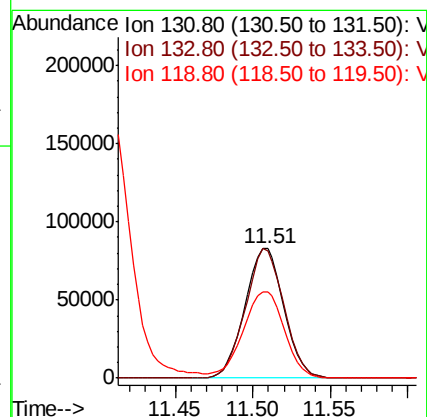
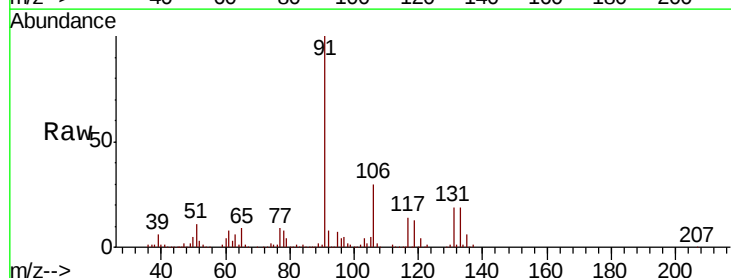
Tgt Ion:131 Resp: 145861

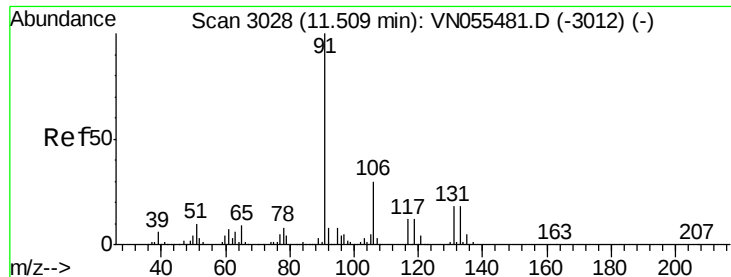
Ion Ratio Lower Upper

131 100

133 98.6 47.4 142.2

119 70.8 34.1 102.2





#67

Ethyl Benzene

Concen: 19.449 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

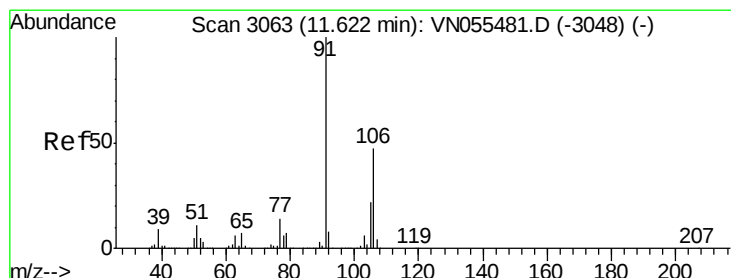
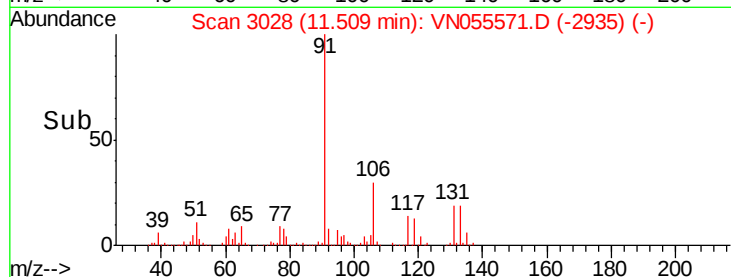
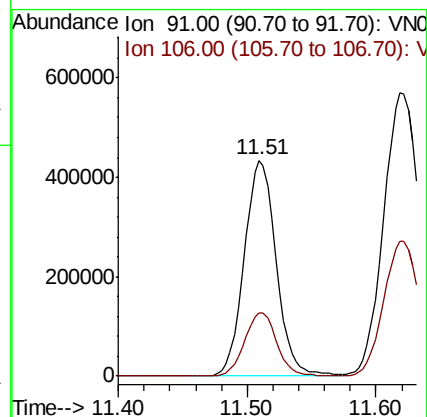
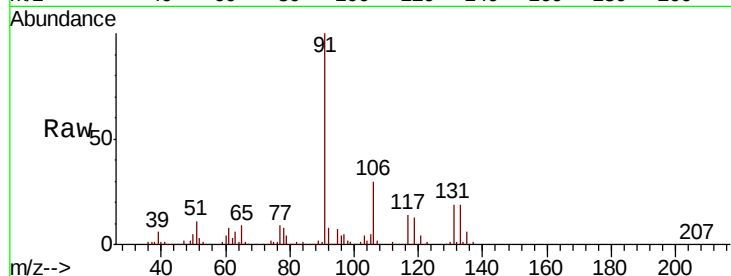
VN0513MBS01

Tot Ion: 91 Resp: 749376

Ion Ratio Lower Upper

91 100

106 29.6 23.8 35.6



#68

m/p-Xylenes

Concen: 39.167 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055571.D

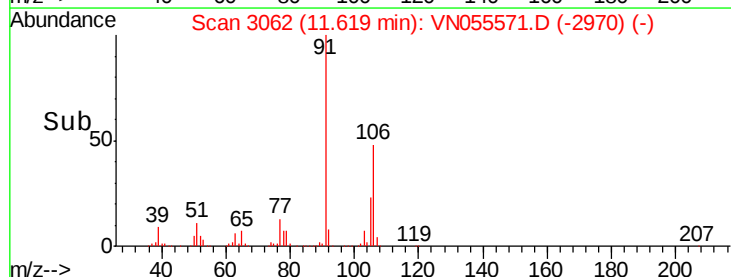
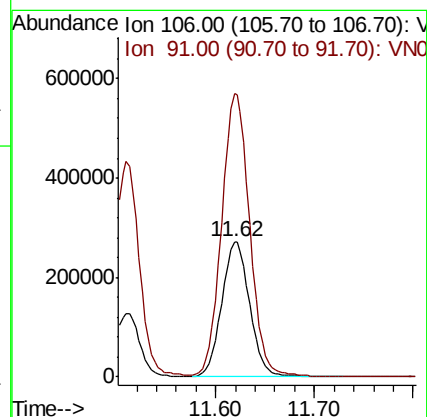
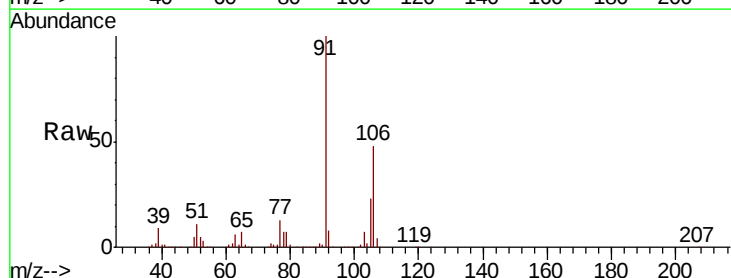
Acq: 13 May 2019 11:38

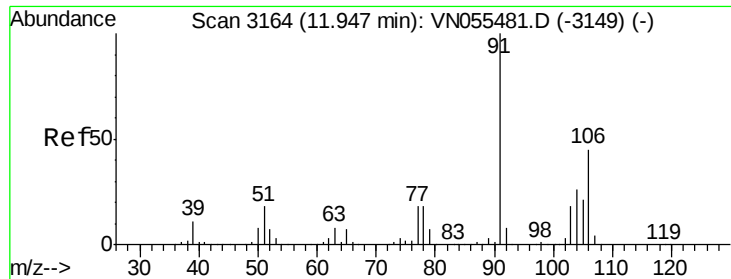
Tgt Ion: 106 Resp: 541580

Ion Ratio Lower Upper

106 100

91 209.6 169.2 253.8

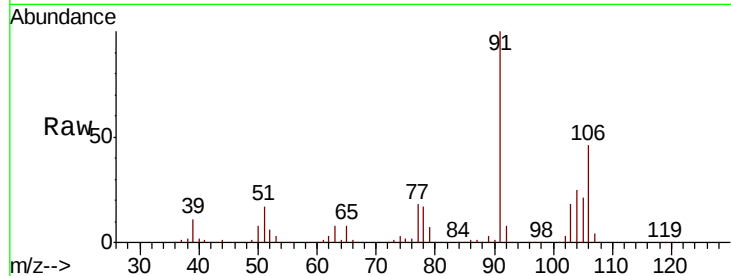




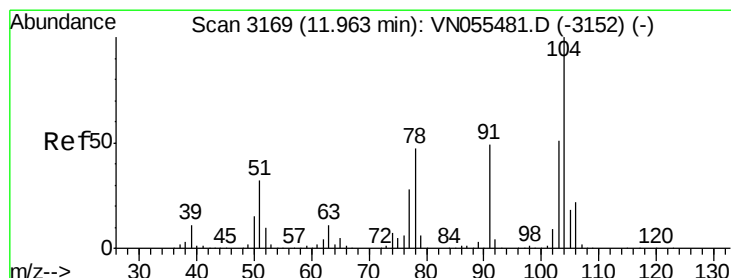
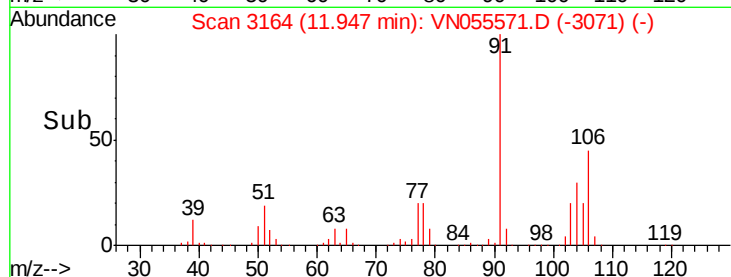
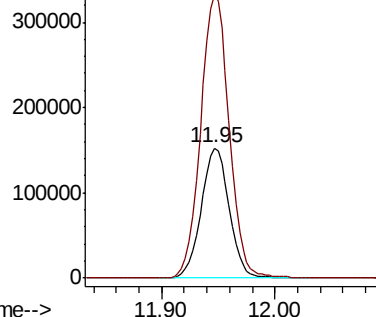
#69
o-Xylene
Concen: 19.357 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion:106 Resp: 263072
Ion Ratio Lower Upper
106 100
91 220.7 111.3 333.8

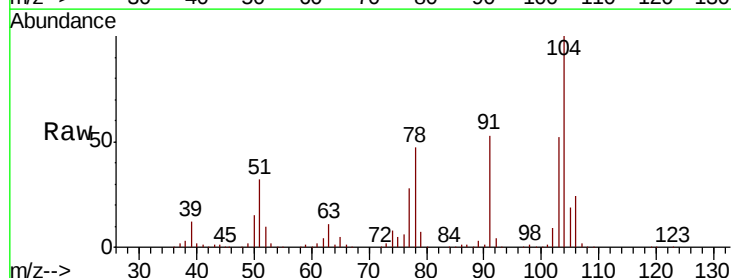


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

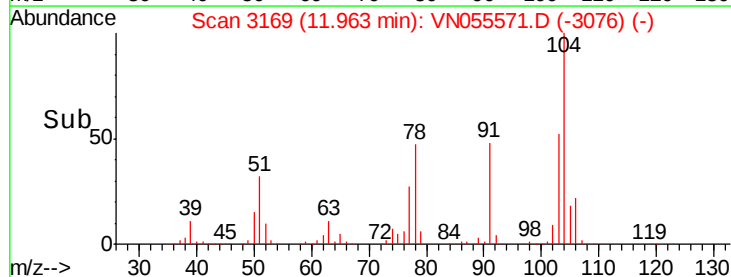
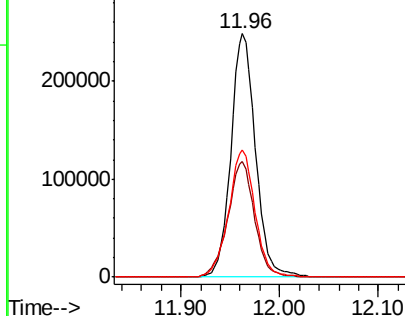


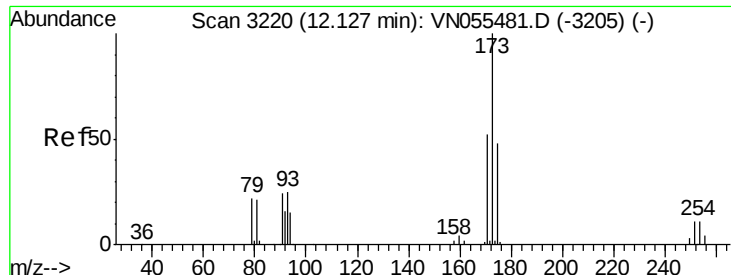
#70
Styrene
Concen: 19.870 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion:104 Resp: 432648
Ion Ratio Lower Upper
104 100
78 51.6 41.6 62.4
103 56.0 44.4 66.6



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





#71

Bromoform

Concen: 19.676 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

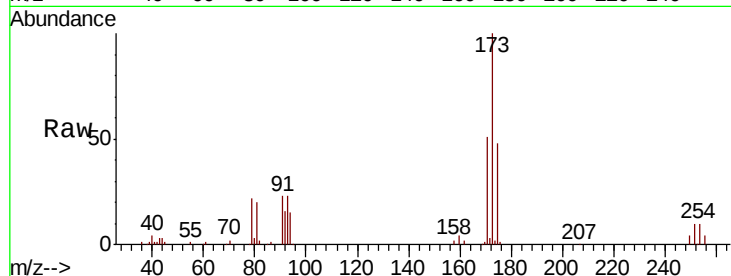
Tot Ion:173 Resp: 93774

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.4

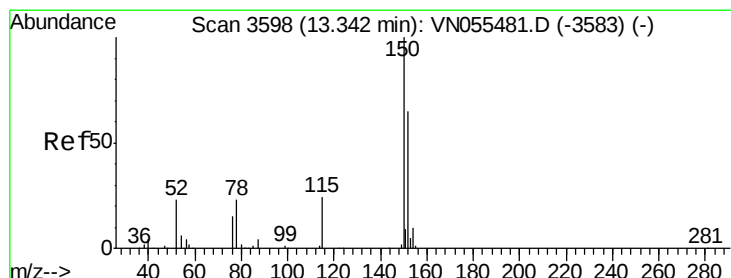
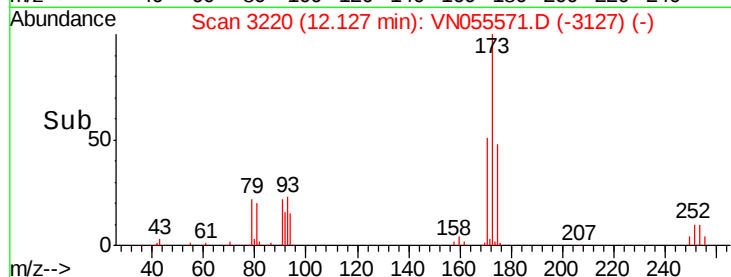
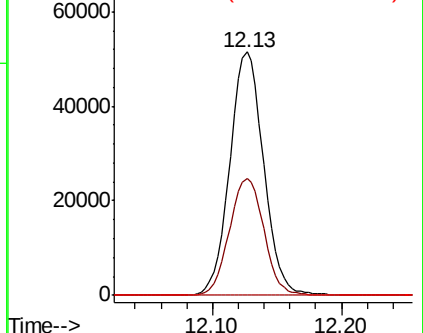
254 0.0 0.1 0.1#



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: VN055571.D

Acq: 13 May 2019 11:38

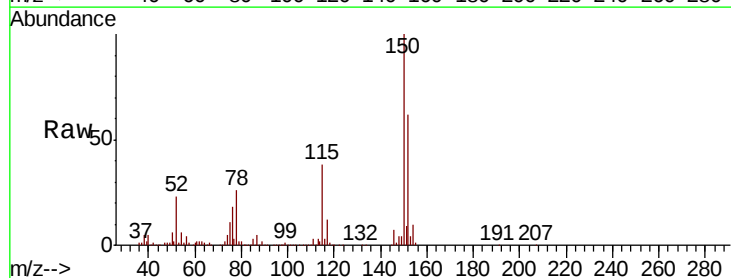
Tgt Ion:152 Resp: 386795

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.5

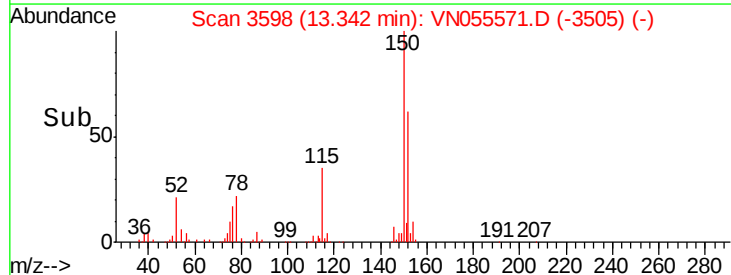
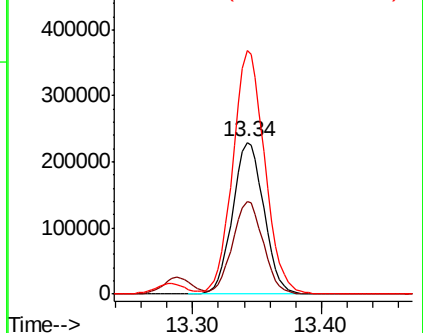
150 164.1 0.0 355.0

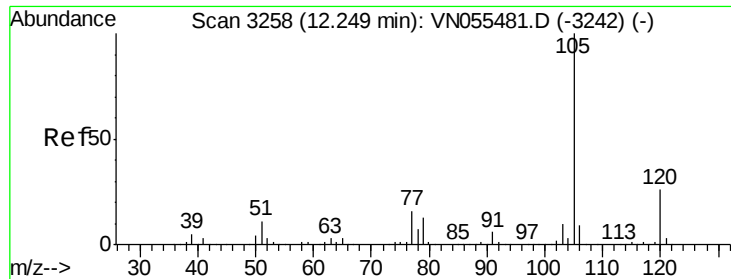


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.684 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

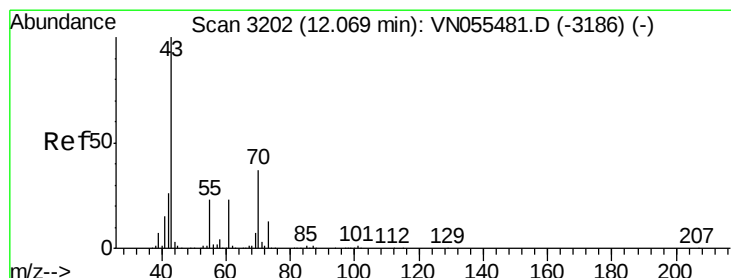
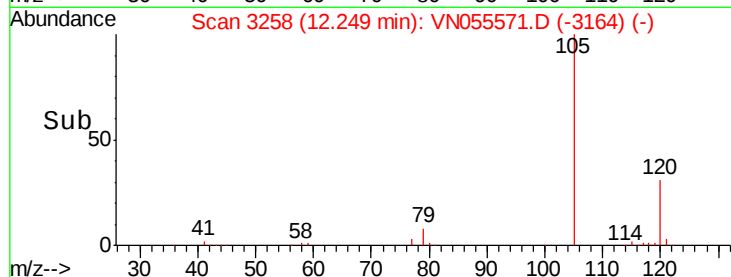
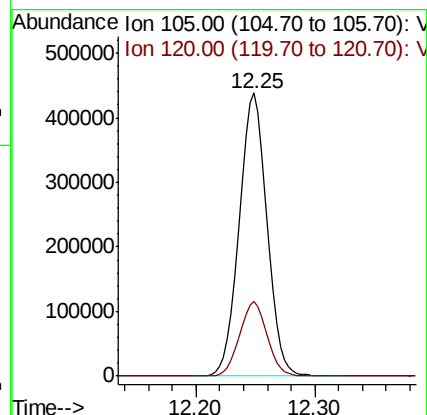
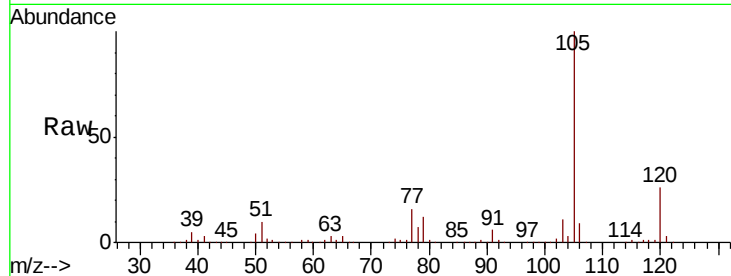
VN0513MBS01

Tot Ion:105 Resp: 706545

Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0



#74

N-ethyl acetate

Concen: 15.473 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Tgt Ion: 43 Resp: 227213

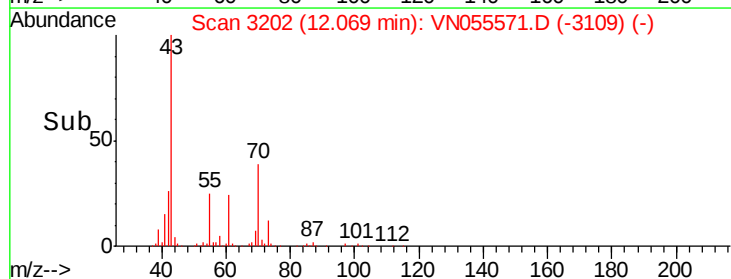
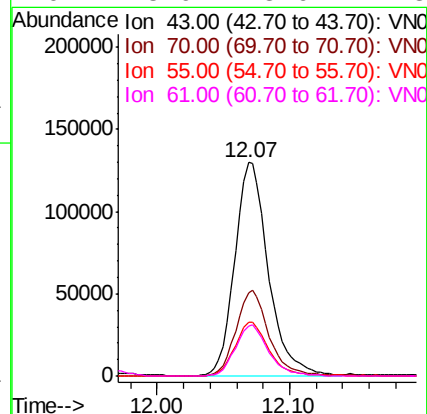
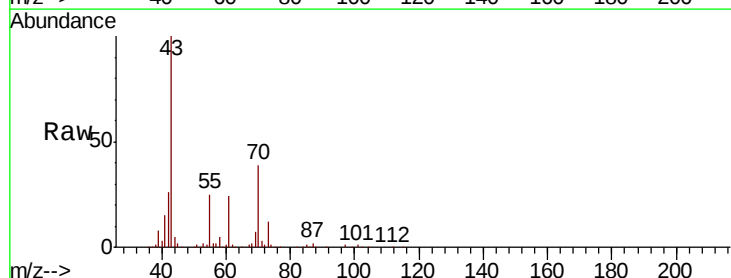
Ion Ratio Lower Upper

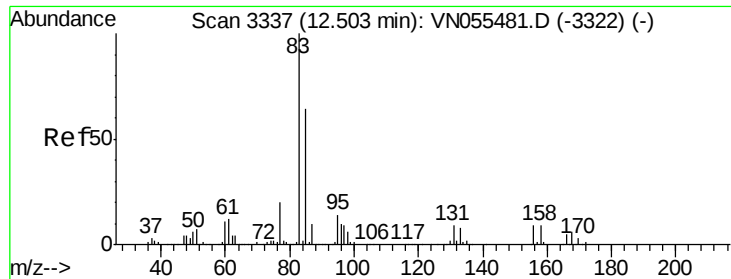
43 100

70 39.7 30.7 46.1

55 25.4 19.3 28.9

61 23.9 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.102 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

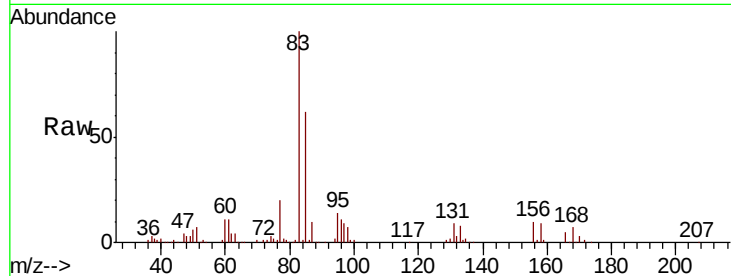
Tot Ion: 83 Resp: 223621

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

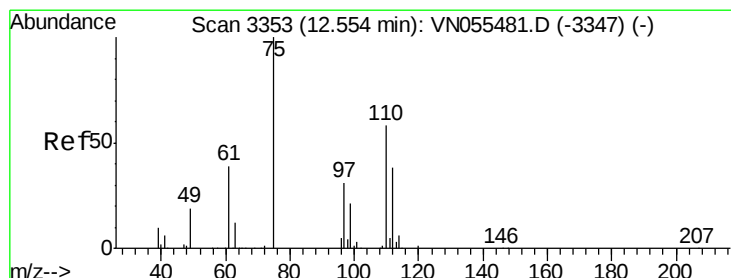
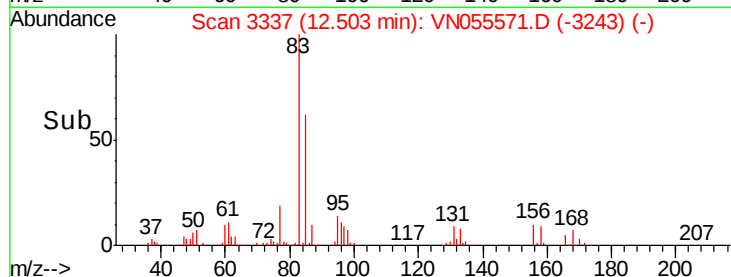
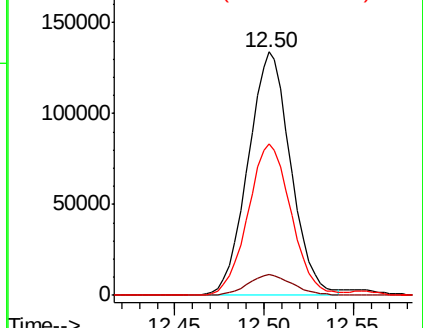
85 63.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN055571.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055571.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055571.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 24.206 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055571.D

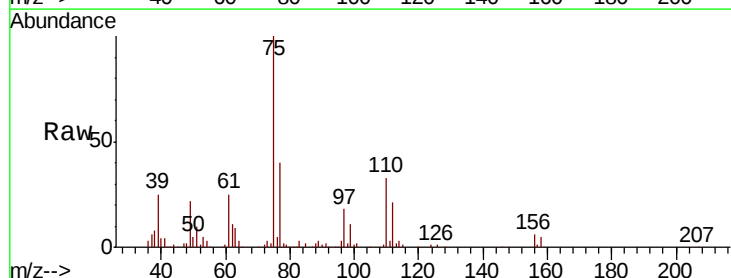
Acq: 13 May 2019 11:38

Tgt Ion: 75 Resp: 254884

Ion Ratio Lower Upper

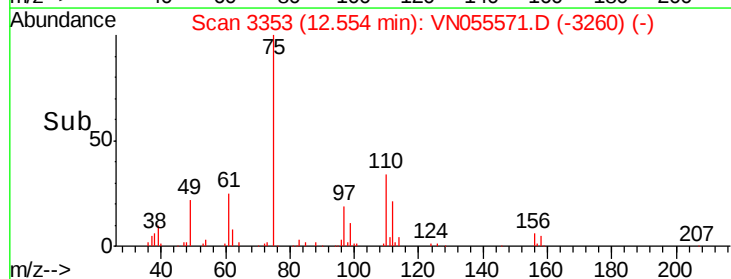
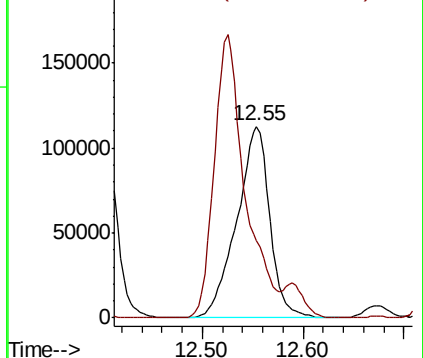
75 100

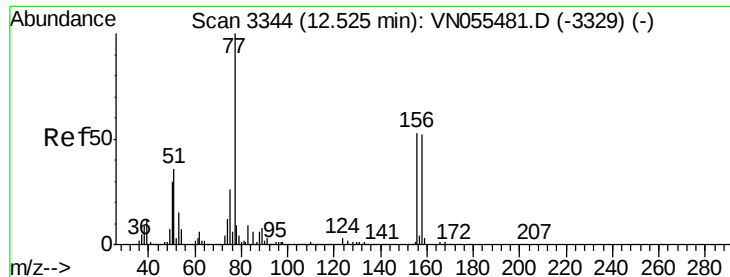
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055571.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055571.D (-3260) (-)





#77

Bromobenzene

Concen: 18.955 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

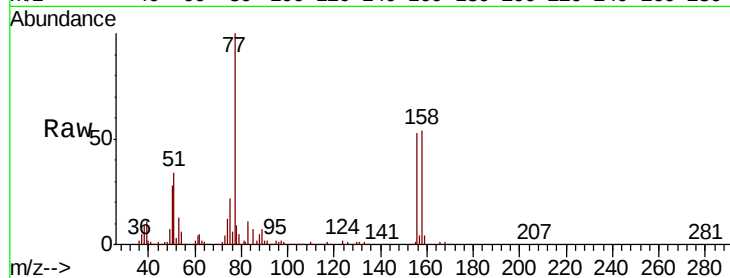
Tot Ion:156 Resp: 161575

Ion Ratio Lower Upper

156 100

77 219.6 115.4 346.2

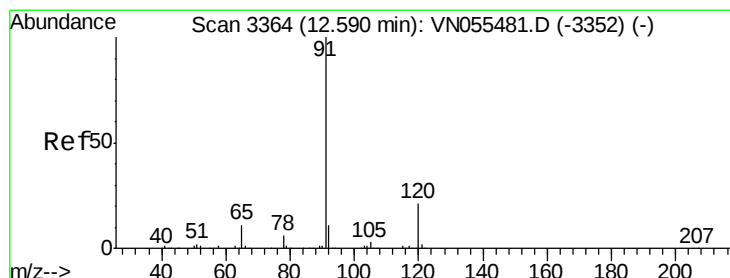
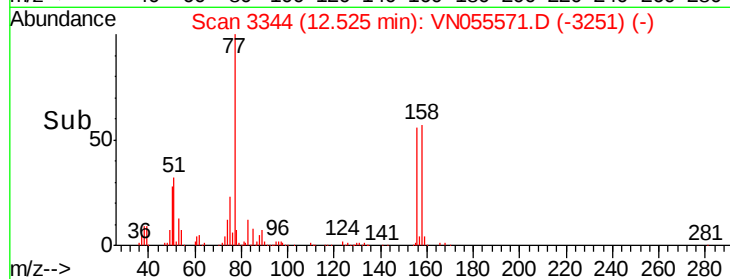
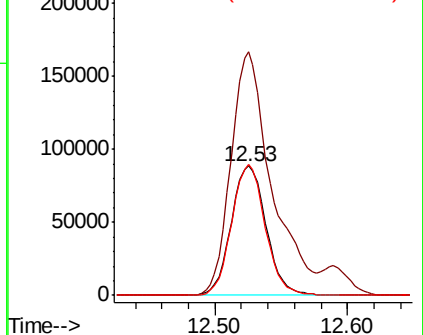
158 97.8 48.7 146.1



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: 18.870 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055571.D

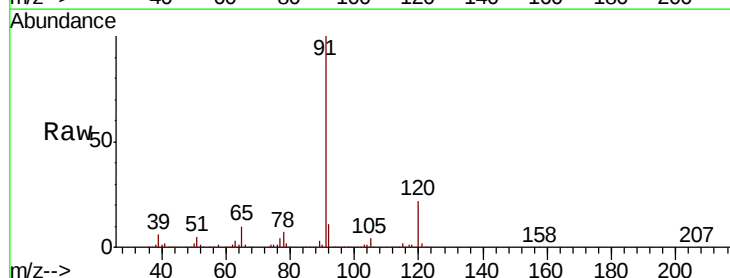
Acq: 13 May 2019 11:38

Tgt Ion: 91 Resp: 782854

Ion Ratio Lower Upper

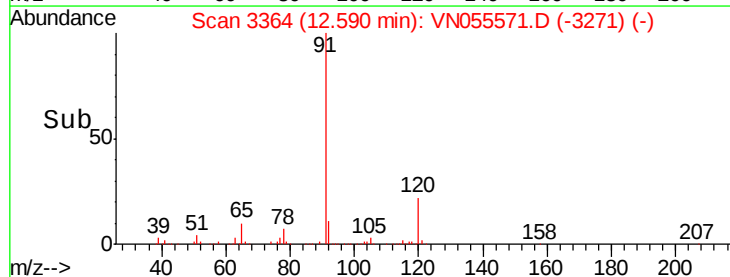
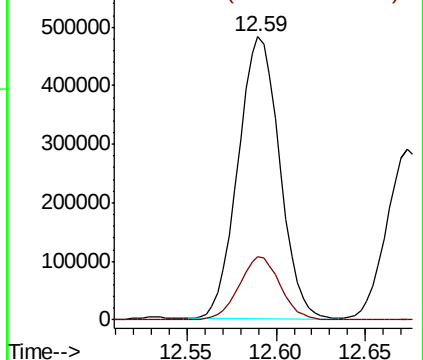
91 100

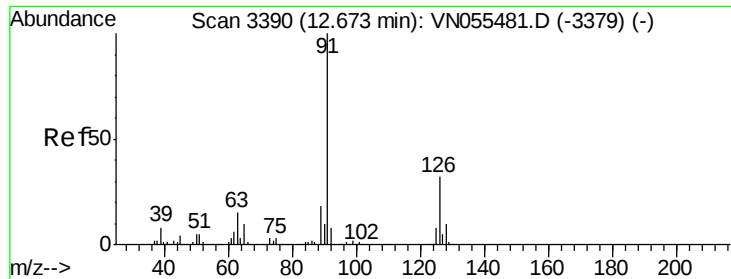
120 22.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.749 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

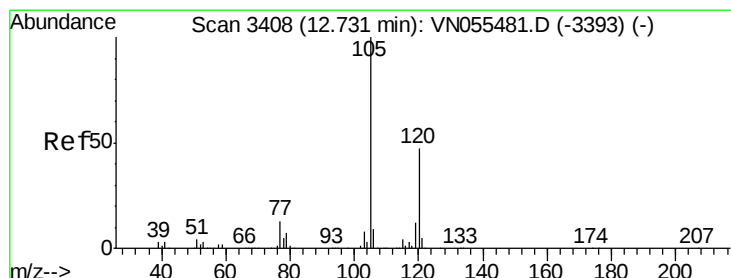
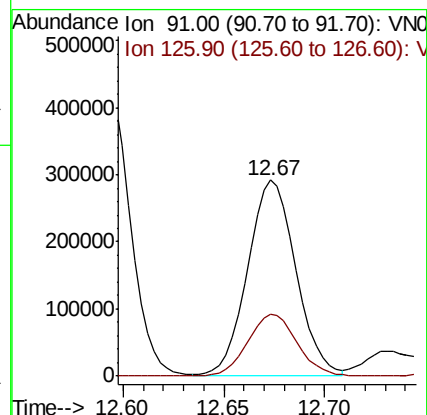
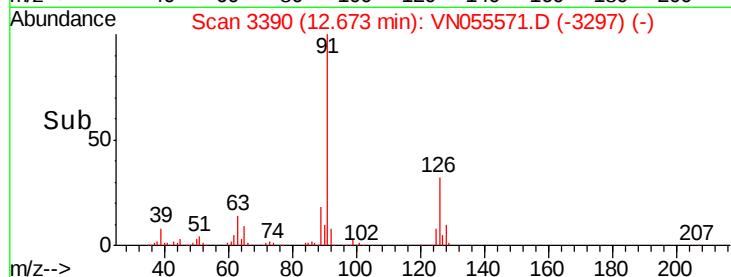
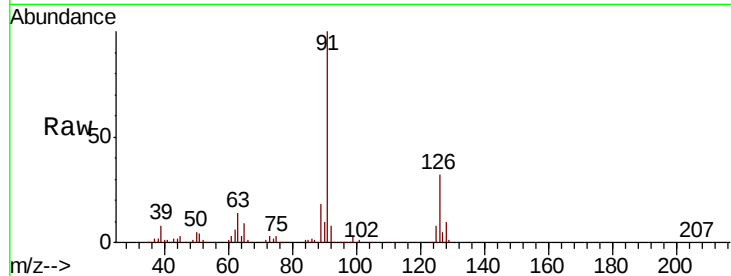
VN0513MBS01

Tot Ion: 91 Resp: 484743

Ion Ratio Lower Upper

91 100

126 32.6 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 18.594 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055571.D

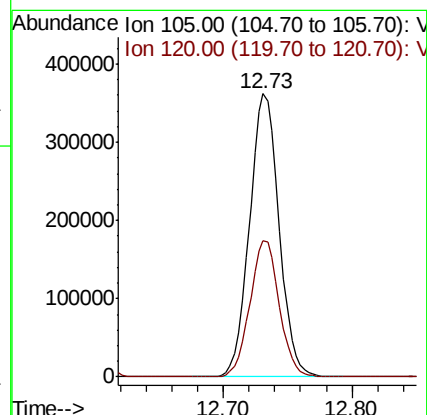
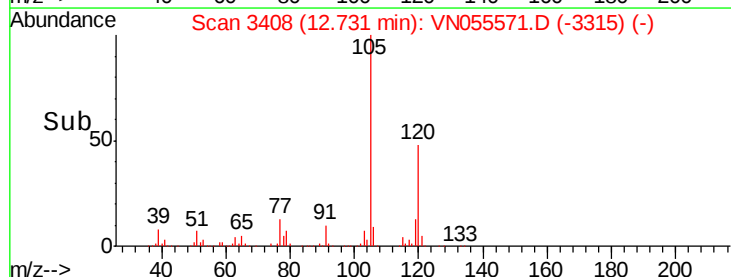
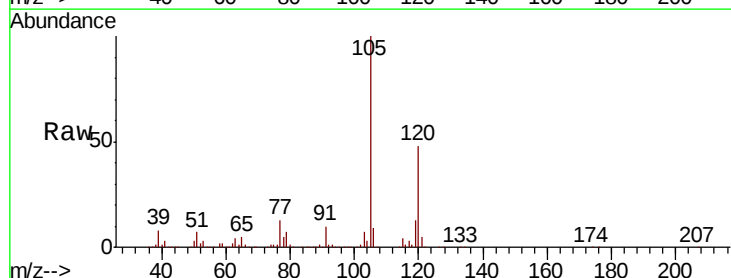
Acq: 13 May 2019 11:38

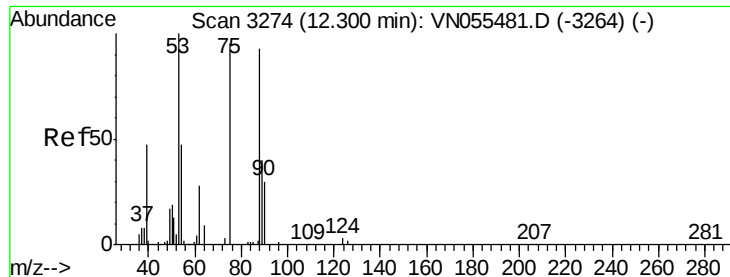
Tgt Ion: 105 Resp: 575183

Ion Ratio Lower Upper

105 100

120 48.0 23.4 70.0

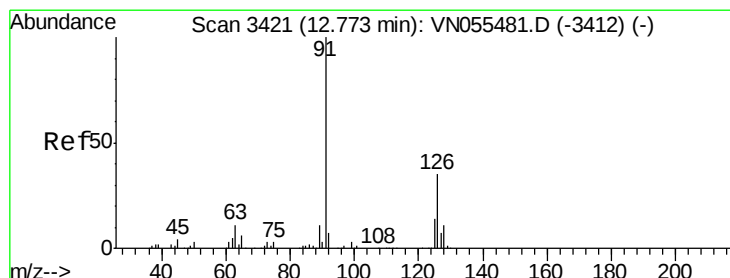
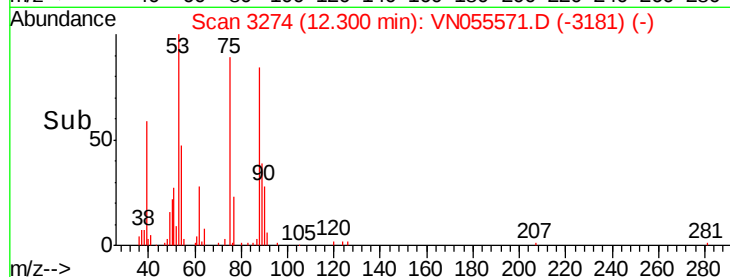
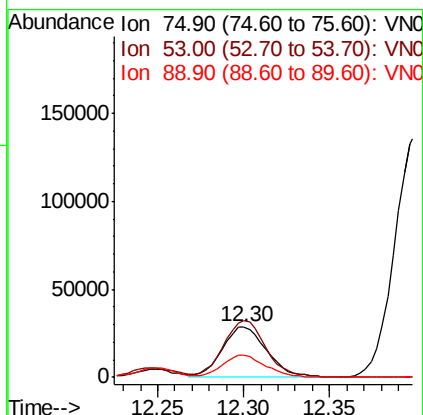
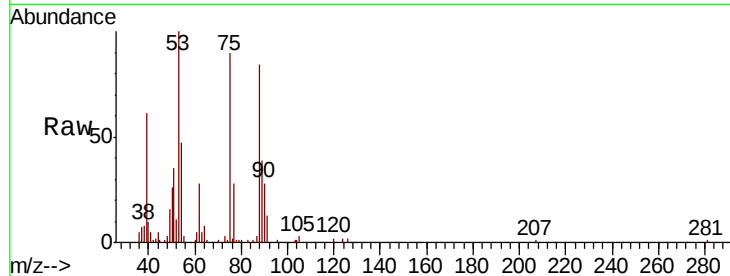




#81
trans-1,4-Dichloro-2-butene
Concen: 17.573 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

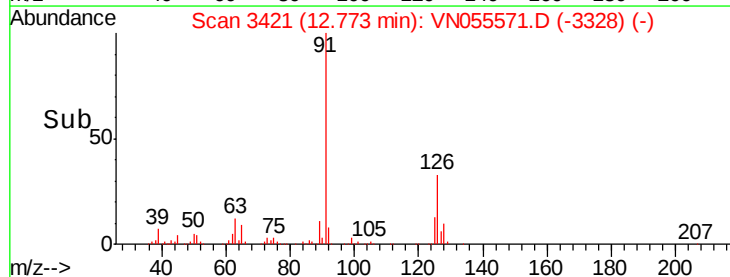
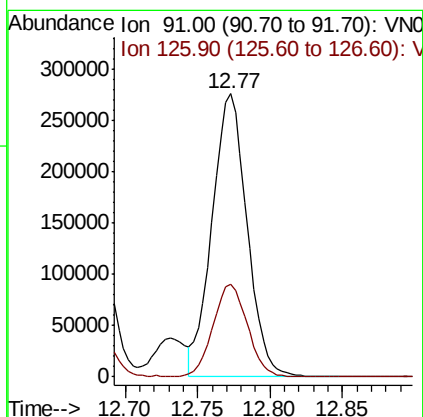
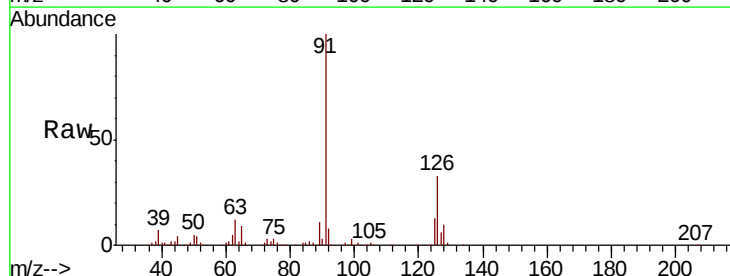
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

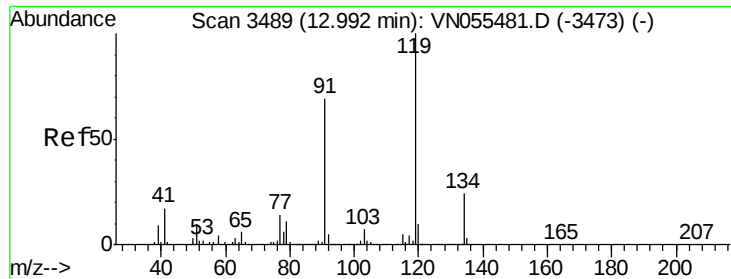
Tot Ion: 75 Resp: 50148
Ion Ratio Lower Upper
75 100
53 112.3 86.5 129.7
89 43.4 35.7 53.5



#82
4-Chlorotoluene
Concen: 18.805 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 91 Resp: 459408
Ion Ratio Lower Upper
91 100
126 32.5 15.7 47.0

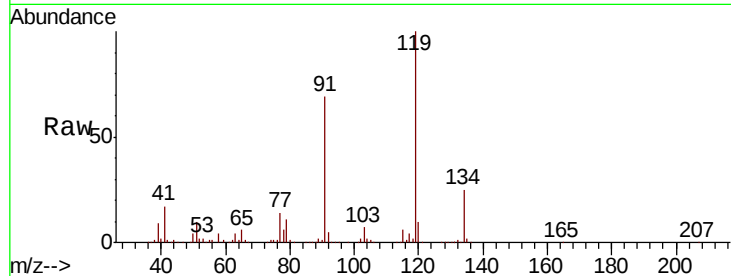




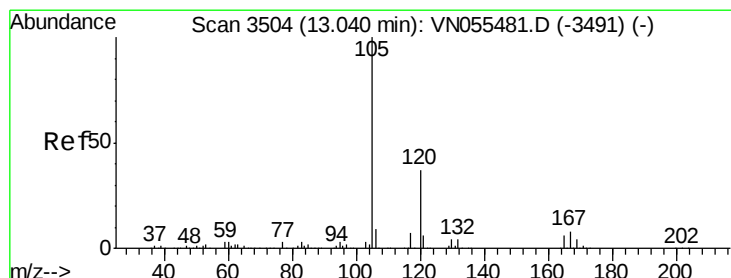
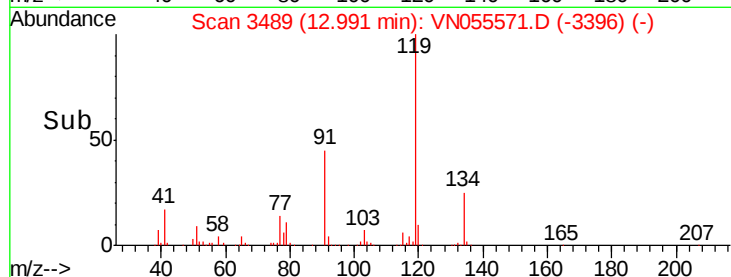
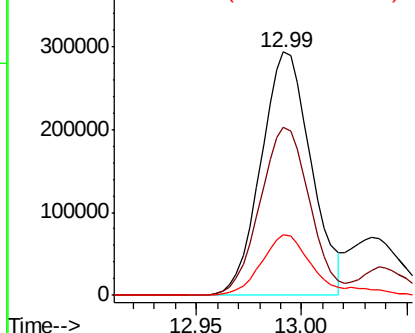
#83
tert-Butylbenzene
Concen: 18.259 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion:119 Resp: 484133
Ion Ratio Lower Upper
119 100
91 68.6 33.8 101.3
134 26.5 12.5 37.5

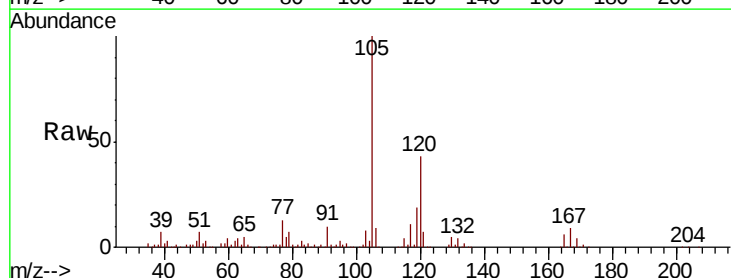


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

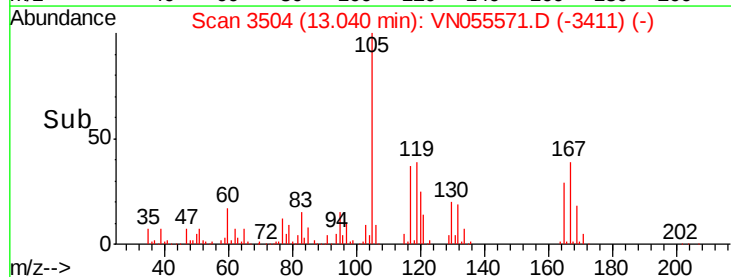
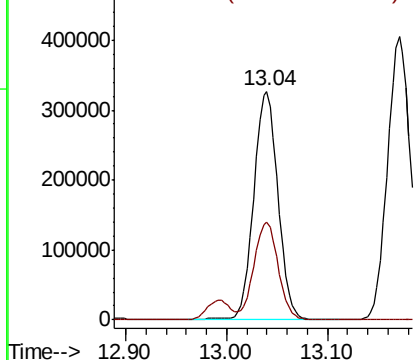


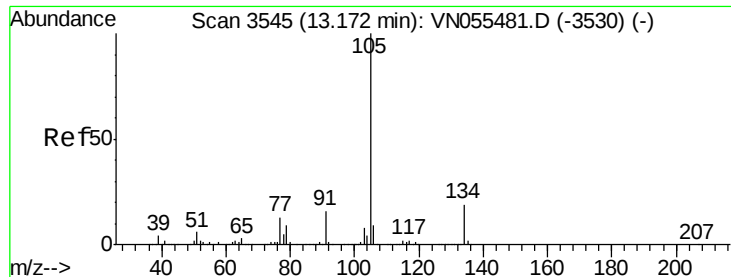
#84
1,2,4-Trimethylbenzene
Concen: 19.074 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion:105 Resp: 541139
Ion Ratio Lower Upper
105 100
120 42.8 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 18.466 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

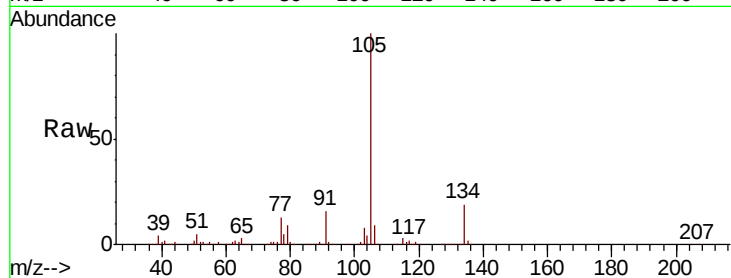
VN0513MBS01

Tot Ion:105 Resp: 650709

Ion Ratio Lower Upper

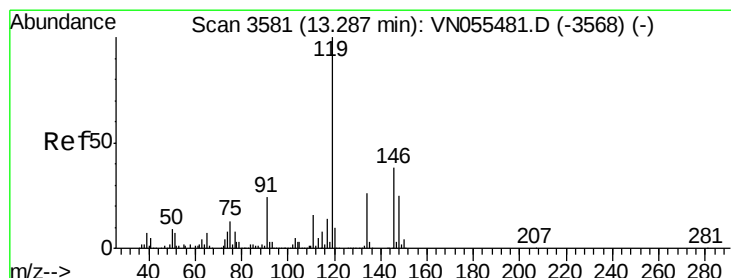
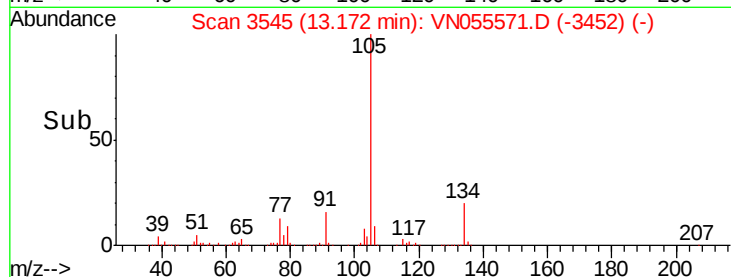
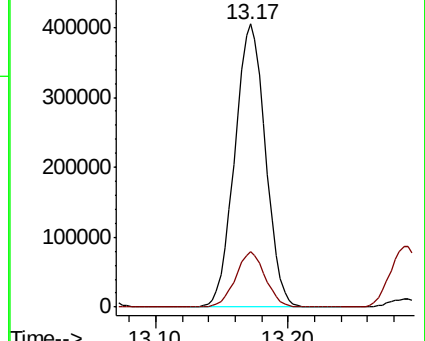
105 100

134 18.9 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: 18.372 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

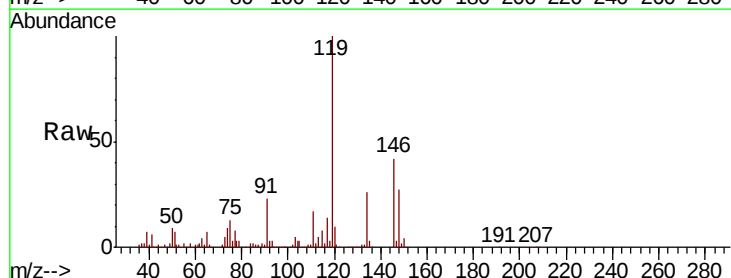
Tgt Ion:119 Resp: 526894

Ion Ratio Lower Upper

119 100

134 26.7 12.8 38.4

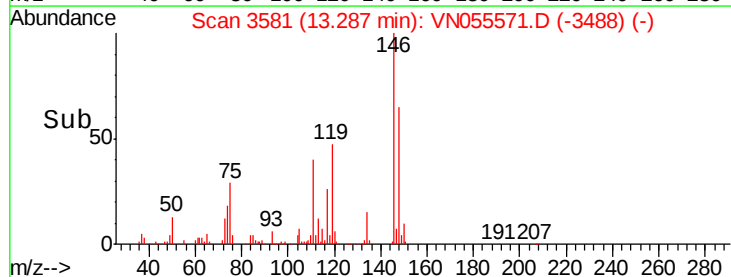
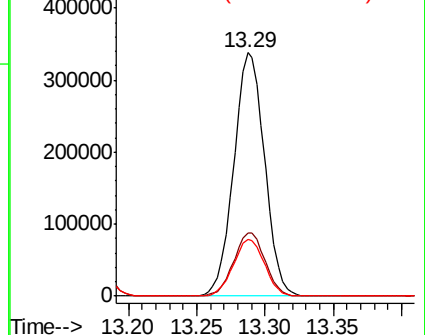
91 23.5 12.0 36.0

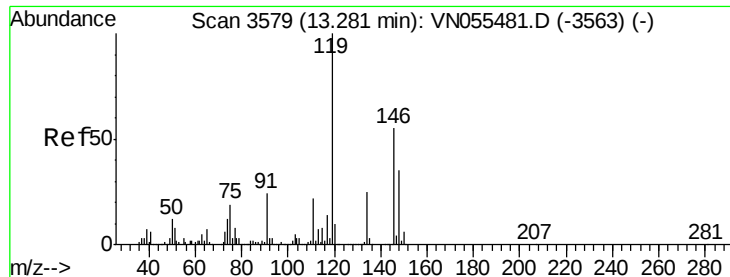


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.872 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

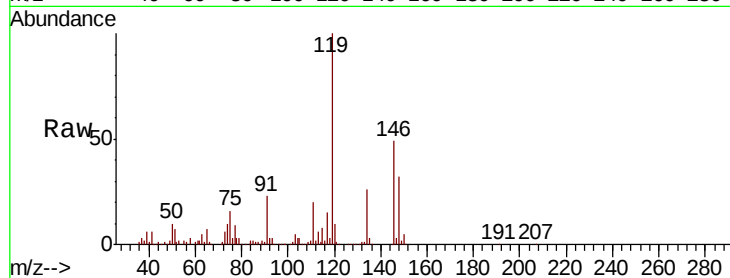
Tot Ion:146 Resp: 261744

Ion Ratio Lower Upper

146 100

111 40.5 20.4 61.3

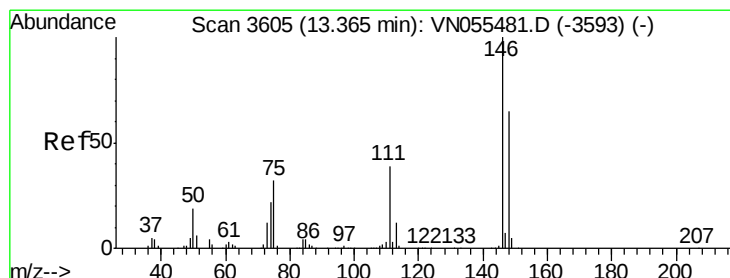
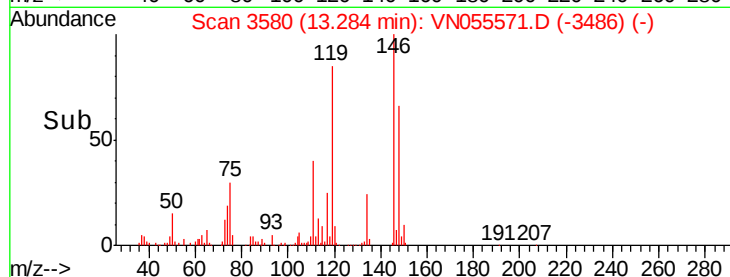
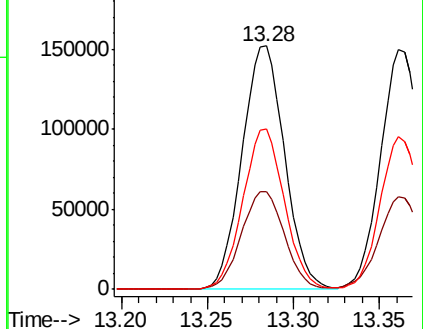
148 64.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.495 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

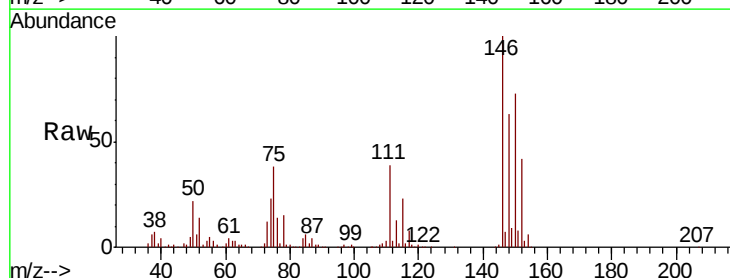
Tgt Ion:146 Resp: 253419

Ion Ratio Lower Upper

146 100

111 40.0 19.6 58.8

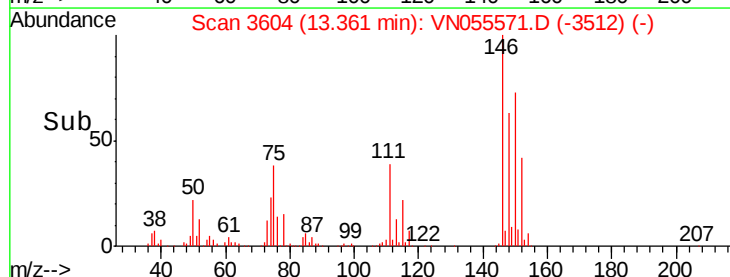
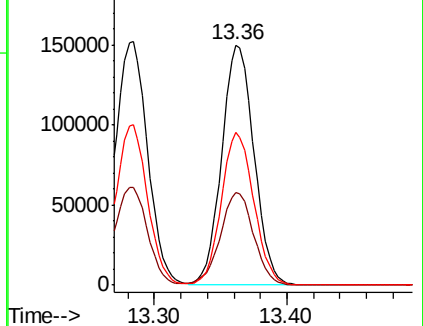
148 64.0 32.5 97.4

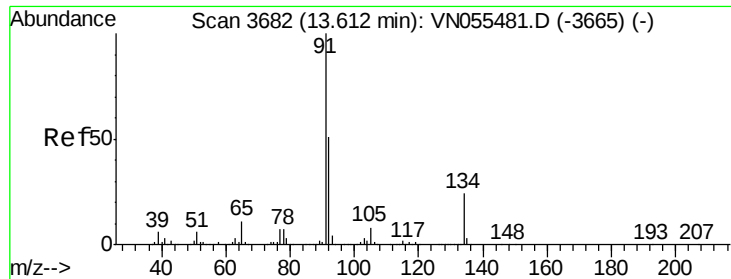


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.131 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

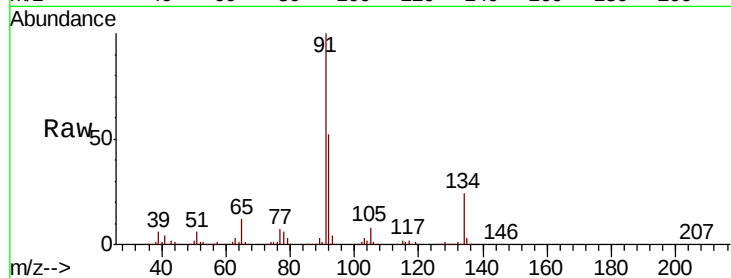
Tot Ion: 91 Resp: 380810

Ion Ratio Lower Upper

91 100

92 51.0 25.9 77.7

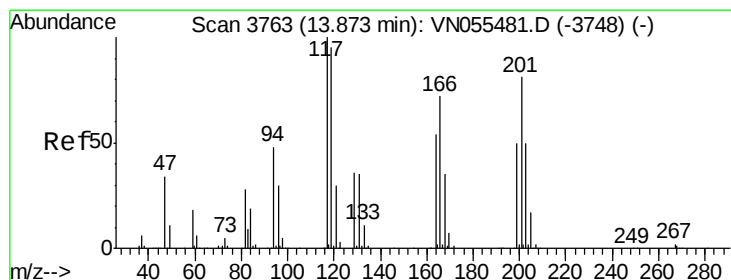
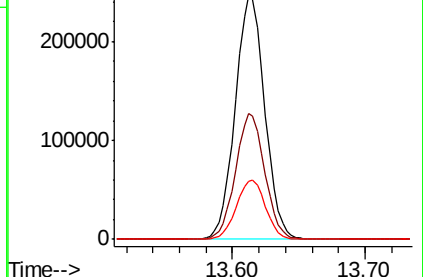
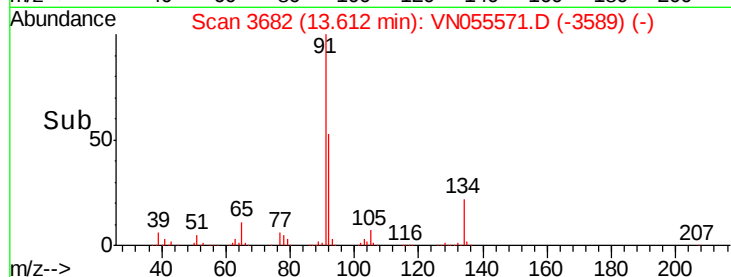
134 24.1 11.8 35.4



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

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

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



#90

Hexachloroethane

Concen: 19.445 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055571.D

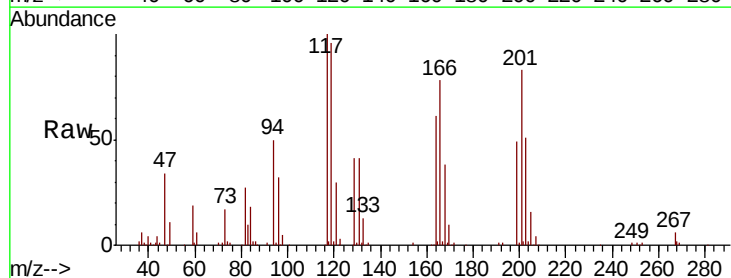
Acq: 13 May 2019 11:38

Tgt Ion: 117 Resp: 90968

Ion Ratio Lower Upper

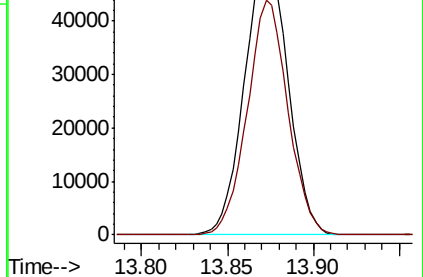
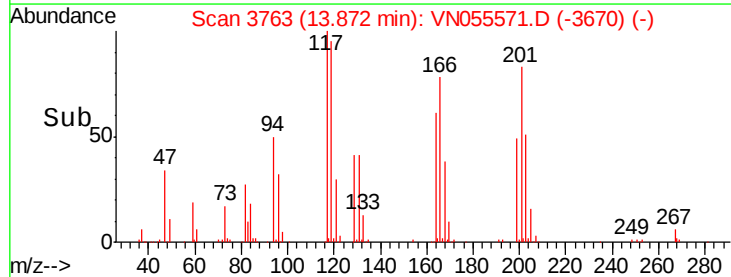
117 100

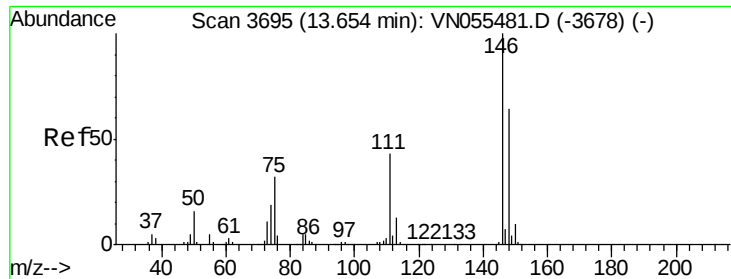
201 78.9 40.1 120.2



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

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





#91

1,2-Dichlorobenzene

Concen: 20.001 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

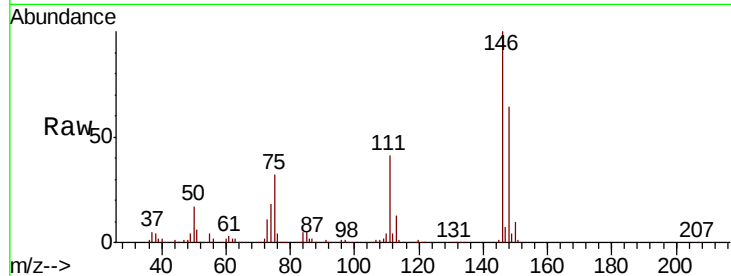
Tot Ion:146 Resp: 263298

Ion Ratio Lower Upper

146 100

111 40.8 21.3 63.7

148 63.8 31.9 95.9

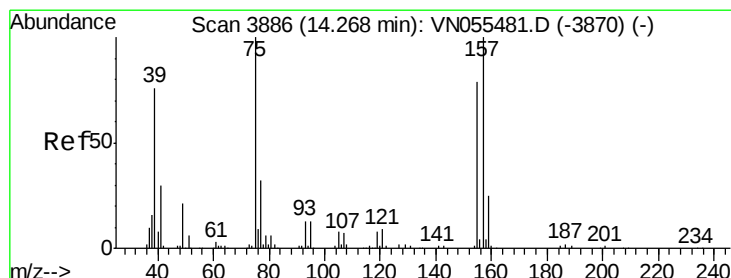
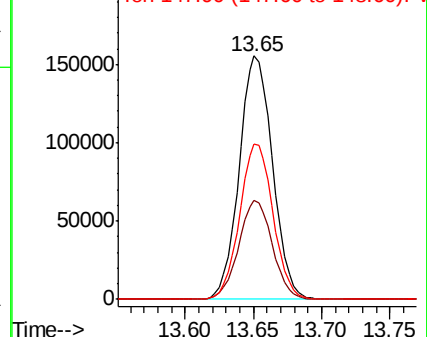
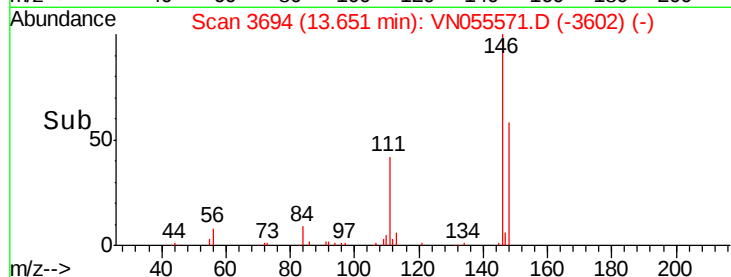


Abundance

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: 17.058 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

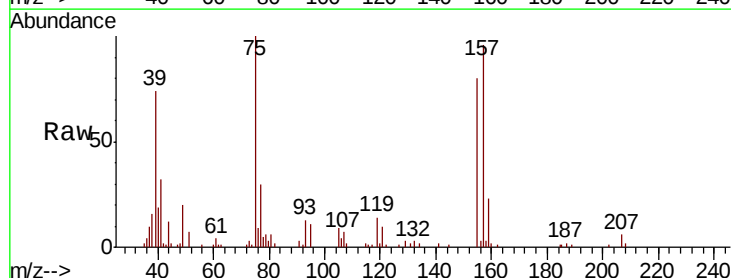
Tgt Ion: 75 Resp: 30341

Ion Ratio Lower Upper

75 100

155 79.9 39.3 117.8

157 100.8 50.6 151.8

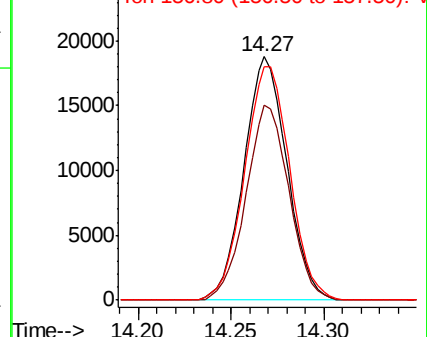
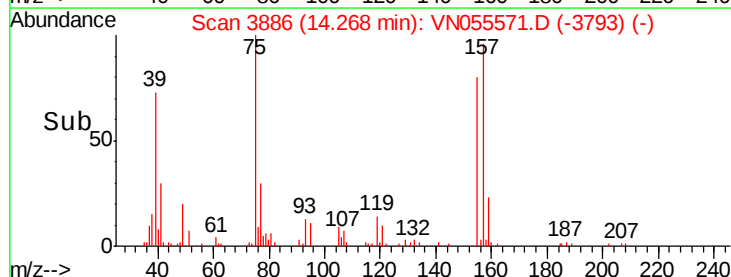


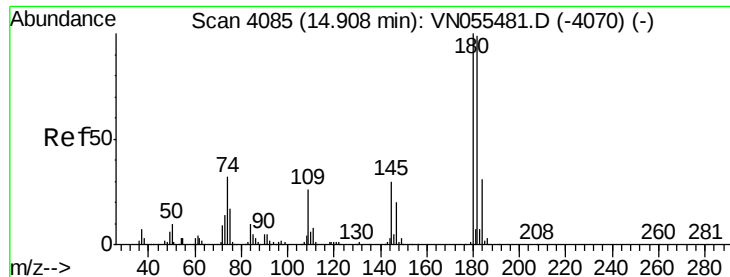
Abundance

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

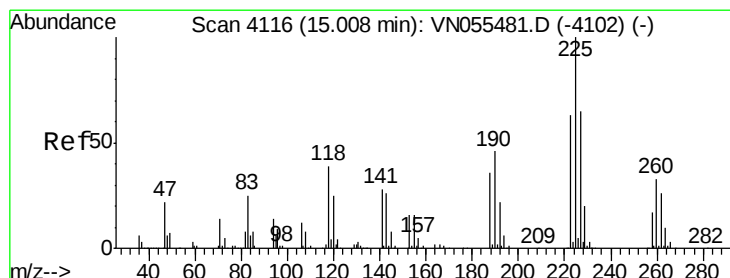
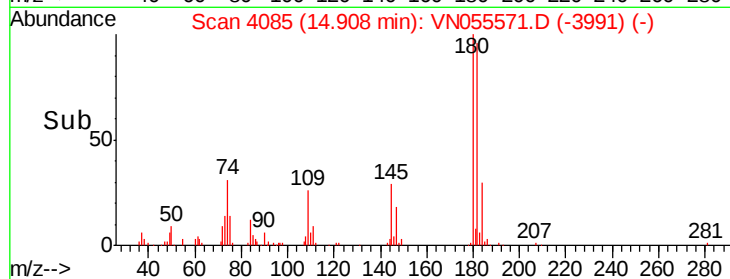
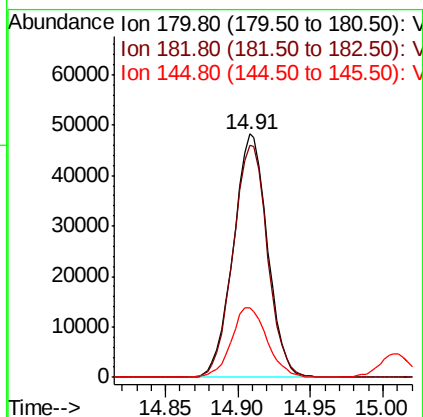
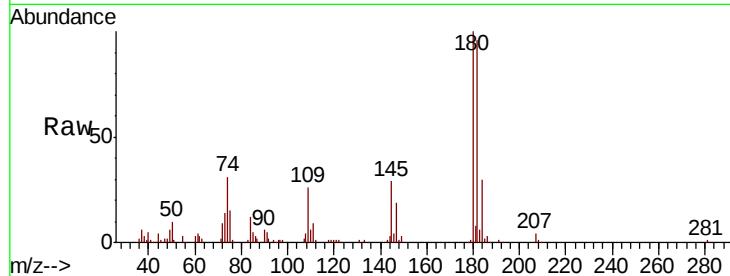




#93
 1,2,4-Trichlorobenzene
 Concen: 16.057 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

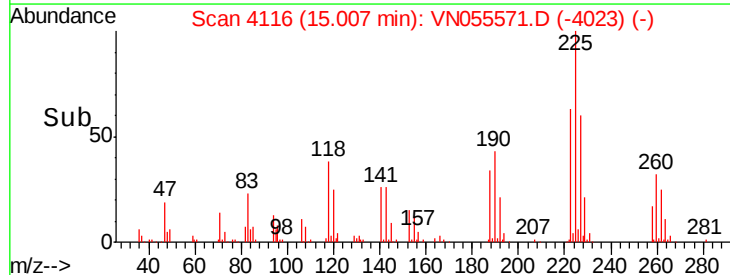
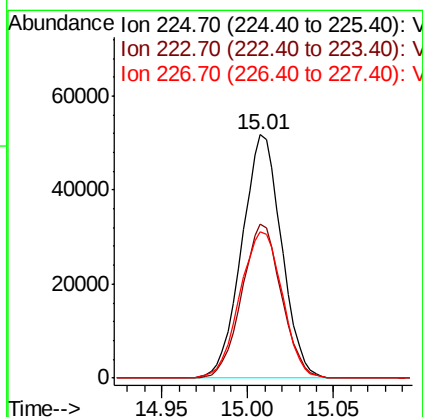
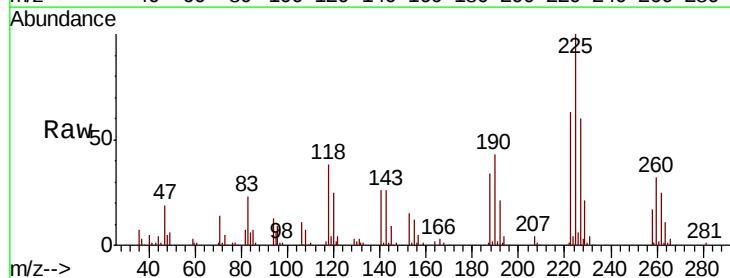
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

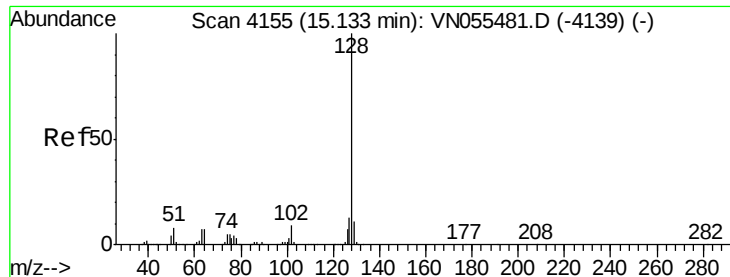
Tot Ion:180 Resp: 78712
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.7 146.1
 145 29.9 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 19.938 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion:225 Resp: 83127
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.3
 227 64.1 32.0 96.0





#95

Naphthalene

Concen: 15.329 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

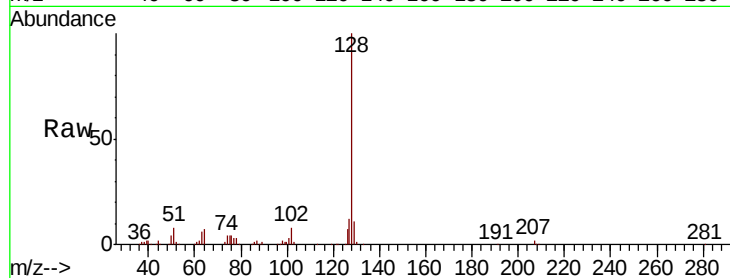
Tot Ion:128 Resp: 212322

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

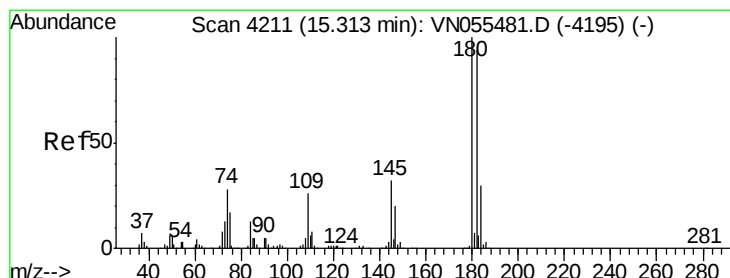
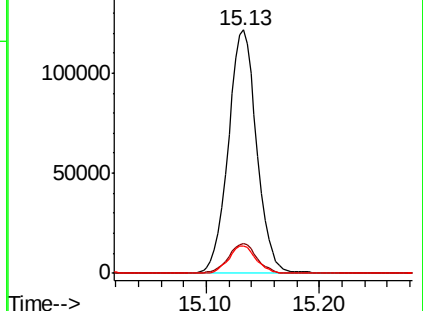
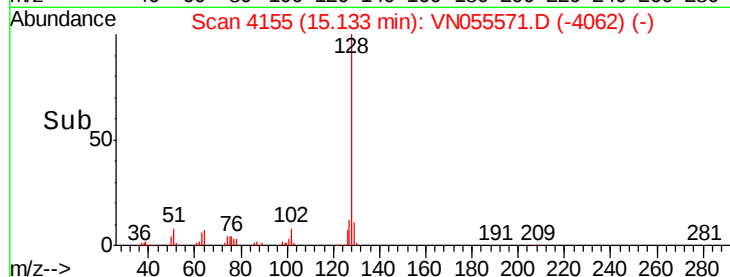
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.594 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

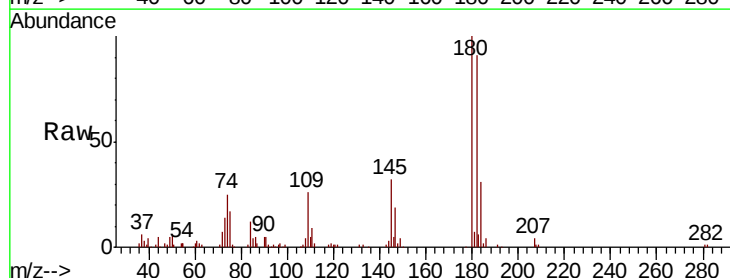
Tgt Ion:180 Resp: 92439

Ion Ratio Lower Upper

180 100

182 94.0 47.1 141.3

145 31.6 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

