

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061479.D
 Acq On : 19 May 2020 13:24
 Operator : JC/MD
 Sample : VN0519WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

Quant Time: May 20 02:50:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	259442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	469336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	440982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204826	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	176864	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	
35) Dibromofluoromethane	7.54	113	119298	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	10.06	98	514244	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	
62) 4-Bromofluorobenzene	12.37	95	192707	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	41598	19.283	ug/l	99
3) Chloromethane	2.03	50	61622	17.513	ug/l	100
4) Vinyl Chloride	2.16	62	88105	17.496	ug/l	98
5) Bromomethane	2.54	94	49962	16.985	ug/l	97
6) Chloroethane	2.67	64	59401	17.526	ug/l	98
7) Trichlorofluoromethane	2.98	101	112230	18.358	ug/l	96
8) Diethyl Ether	3.37	74	34024	19.107	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	49316	19.398	ug/l	100
10) Methyl Iodide	3.91	142	59497	19.268	ug/l	98
11) Tert butyl alcohol	4.72	59	49754	111.519	ug/l #	84
12) 1,1-Dichloroethene	3.69	96	48262	18.148	ug/l	94
13) Acrolein	3.56	56	23725	59.876	ug/l	99
14) Allyl chloride	4.27	41	76959	17.782	ug/l	99
15) Acrylonitrile	4.92	53	121399	91.844	ug/l	99
16) Acetone	3.77	43	98703	92.430	ug/l	98
17) Carbon Disulfide	4.00	76	126154	20.202	ug/l	98
18) Methyl Acetate	4.27	43	51159	18.593	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	191177	18.944	ug/l	100
20) Methylene Chloride	4.50	84	58390	18.349	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	56319	18.366	ug/l	95
22) Diisopropyl ether	5.90	45	179083	18.414	ug/l	95
23) Vinyl Acetate	5.84	43	714828	92.430	ug/l	99
24) 1,1-Dichloroethane	5.79	63	104953	18.502	ug/l	98
25) 2-Butanone	6.78	43	156459	88.747	ug/l	97
26) 2,2-Dichloropropane	6.77	77	98184	18.157	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	69961	19.314	ug/l	95
28) Bromochloromethane	7.15	49	46699	19.395	ug/l	94
29) Tetrahydrofuran	7.16	42	106376	91.109	ug/l	99
30) Chloroform	7.33	83	113487	19.155	ug/l	100
31) Cyclohexane	7.61	56	94235	16.903	ug/l	92
32) 1,1,1-Trichloroethane	7.53	97	99907	18.453	ug/l	99
36) 1,1-Dichloropropene	7.75	75	80179	18.270	ug/l	99
37) Ethyl Acetate	6.88	43	65637	16.492	ug/l	97
38) Carbon Tetrachloride	7.73	117	76605	18.957	ug/l	99

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

39) Methylcyclohexane	9.04	83	97084	18.112	ug/l	98
40) Benzene	8.00	78	248674	18.803	ug/l	100
41) Methacrylonitrile	7.16	41	97594	58.058	ug/l #	15
42) 1,2-Dichloroethane	8.08	62	92987	19.515	ug/l	99
43) Isopropyl Acetate	8.12	43	125019	18.011	ug/l	99
44) Trichloroethene	8.80	130	68173	19.673	ug/l	94
45) 1,2-Dichloropropane	9.08	63	62292	18.818	ug/l	99
46) Dibromomethane	9.17	93	45347	19.541	ug/l	97
47) Bromodichloromethane	9.37	83	93102	19.042	ug/l	98
48) Methyl methacrylate	9.16	41	57018	17.781	ug/l	98
49) 1,4-Dioxane	9.16	88	19745	569.184	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	347447	91.884	ug/l	100
52) Toluene	10.12	92	161471	19.017	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	102232	19.077	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	107236	18.824	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	63950	19.922	ug/l	97
56) Ethyl methacrylate	10.40	69	93357	18.602	ug/l	99
57) 1,3-Dichloropropane	10.68	76	109402	19.721	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	185099	84.028	ug/l	98
59) 2-Hexanone	10.72	43	246271	90.019	ug/l	100
60) Dibromochloromethane	10.87	129	68097	19.178	ug/l	100
61) 1,2-Dibromoethane	10.98	107	65108	19.290	ug/l	100
64) Tetrachloroethene	10.60	164	64349	18.862	ug/l	98
65) Chlorobenzene	11.41	112	171366	19.056	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	60736	18.839	ug/l	99
67) Ethyl Benzene	11.48	91	314878	19.182	ug/l	97
68) m/p-Xylenes	11.59	106	238441	38.269	ug/l	100
69) o-Xylene	11.92	106	115081	19.086	ug/l	98
70) Styrene	11.94	104	188280	18.857	ug/l	99
71) Bromoform	12.10	173	40911	17.680	ug/l #	97
73) Isopropylbenzene	12.22	105	304069	18.492	ug/l	100
74) N-amyl acetate	12.04	43	104527	17.367	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	85167	18.826	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	110631	25.172	ug/l #	100
77) Bromobenzene	12.50	156	68747	19.265	ug/l	97
78) n-propylbenzene	12.56	91	347485	18.547	ug/l	98
79) 2-Chlorotoluene	12.65	91	203734	18.397	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	253334	18.816	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	28322	17.095	ug/l	99
82) 4-Chlorotoluene	12.75	91	212234	18.509	ug/l	99
83) tert-Butylbenzene	12.97	119	215270	18.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	255483	18.961	ug/l	99
85) sec-Butylbenzene	13.15	105	286381	18.364	ug/l	100
86) p-Isopropyltoluene	13.26	119	255475	18.449	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	124443	19.054	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	124332	19.009	ug/l	98
89) n-Butylbenzene	13.59	91	224304	17.829	ug/l	99
90) Hexachloroethane	13.85	117	33042	17.606	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	122684	19.583	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16799	18.383	ug/l	99

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Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

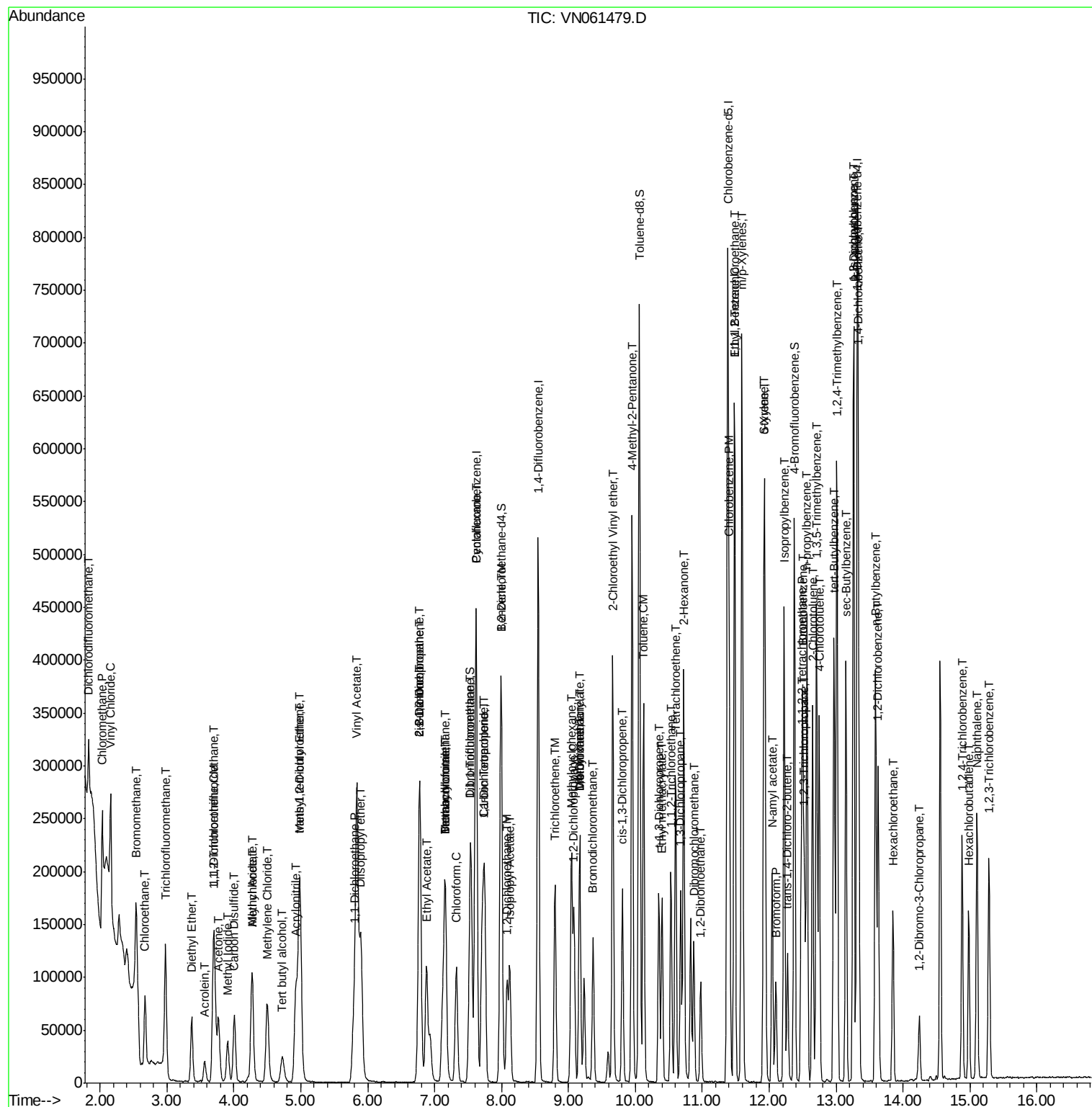
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	66909	19.697	ug/l	98
94) Hexachlorobutadiene	14.98	225	26407	17.496	ug/l	98
95) Naphthalene	15.10	128	211775	19.610	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	64643	19.116	ug/l	98

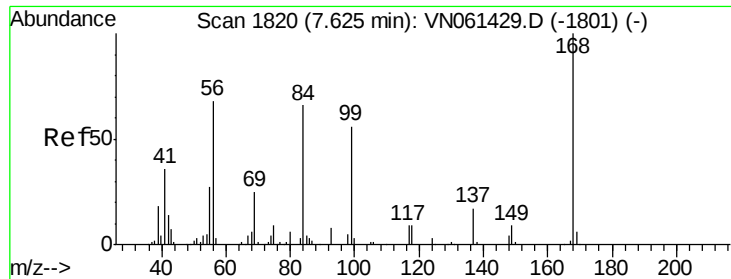
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

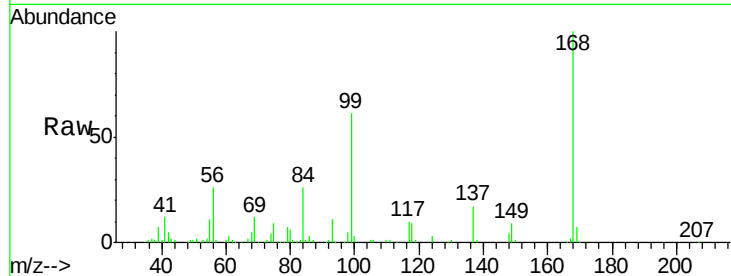
VN0519WBSD01

Tot Ion:168 Resp: 259442

Ion Ratio Lower Upper

168 100

99 61.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

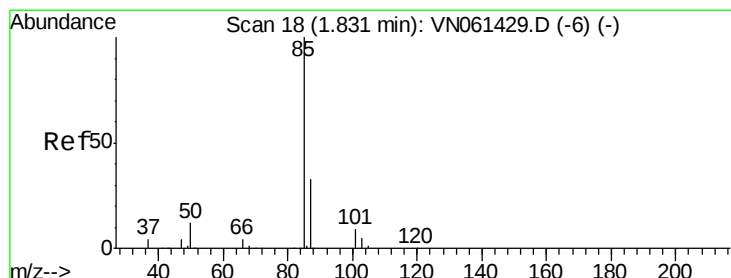
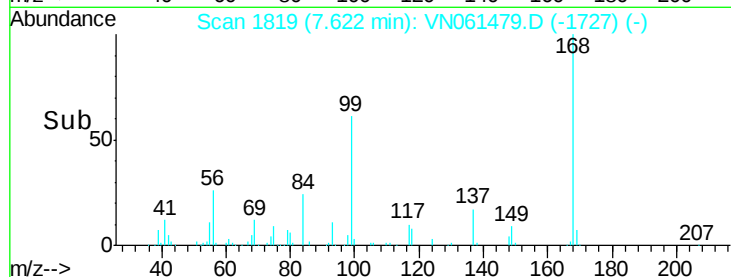
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.283 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061479.D

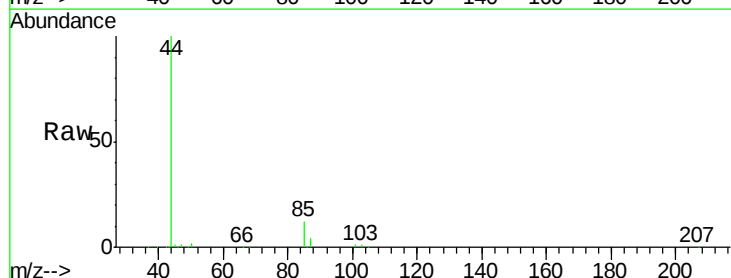
Acq: 19 May 2020 13:24

Tgt Ion: 85 Resp: 41598

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

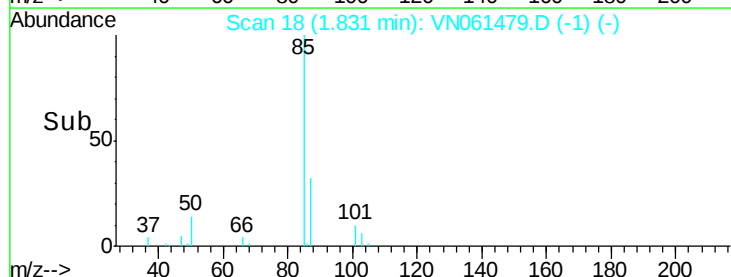
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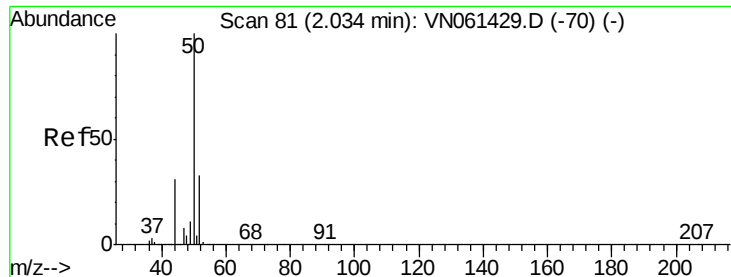
20000

10000

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Time-->





#3

Chloromethane

Concen: 17.513 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

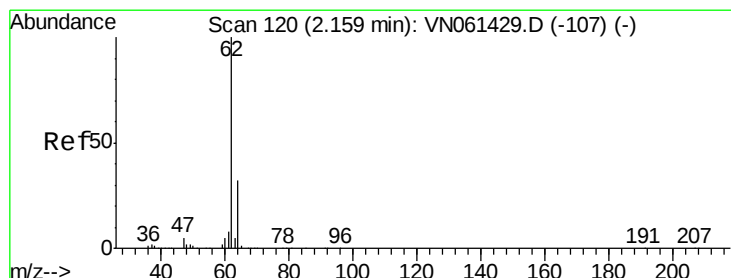
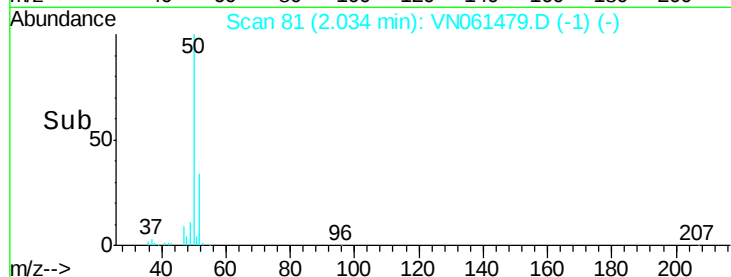
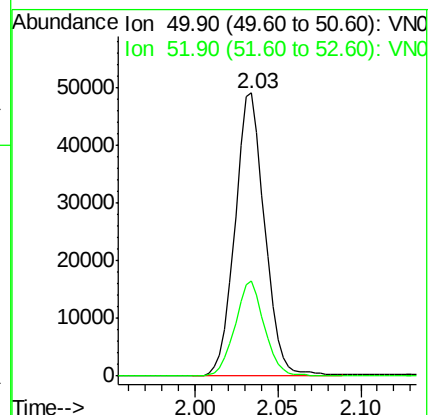
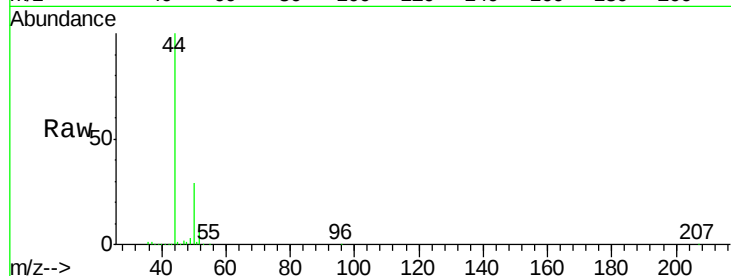
VN0519WBSD01

Tot Ion: 50 Resp: 61622

Ion Ratio Lower Upper

50 100

52 33.6 26.7 40.1



#4

Vinyl Chloride

Concen: 17.496 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061479.D

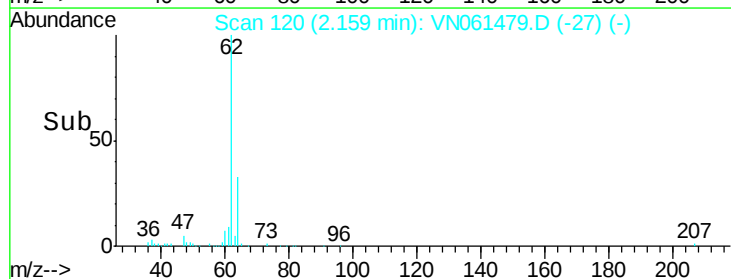
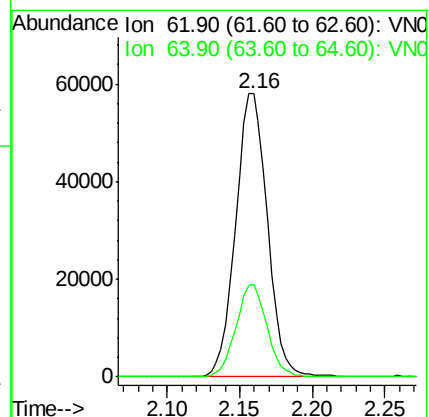
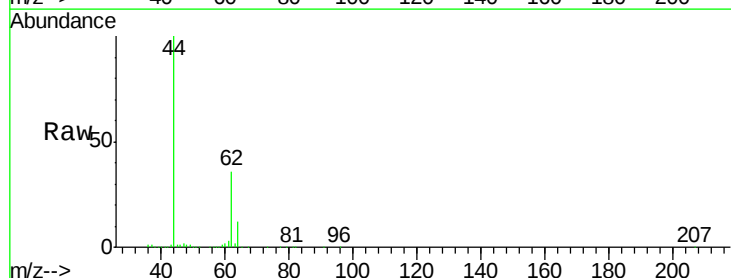
Acq: 19 May 2020 13:24

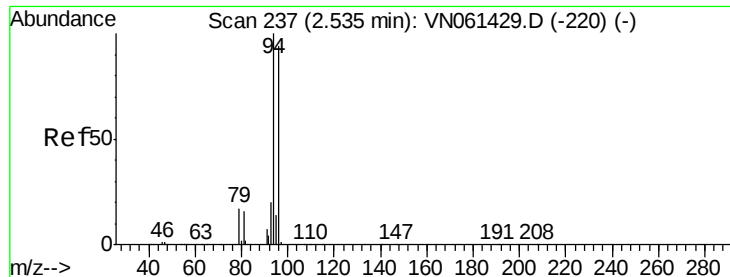
Tgt Ion: 62 Resp: 88105

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9





#5

Bromomethane

Concen: 16.985 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

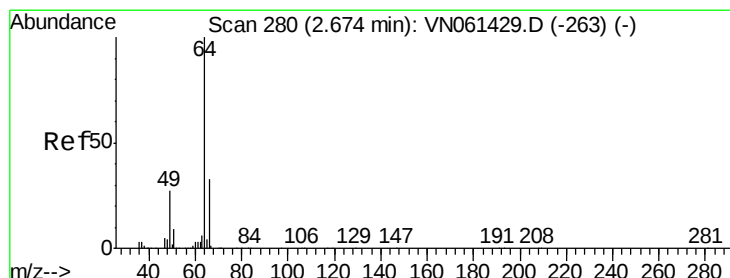
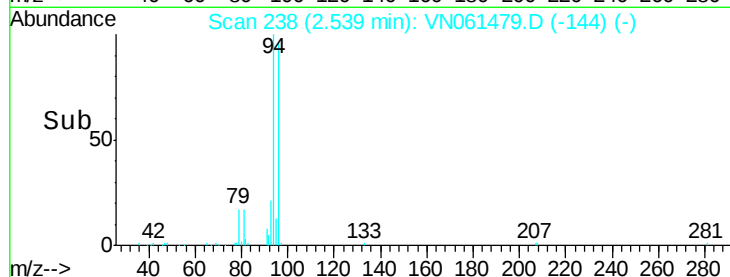
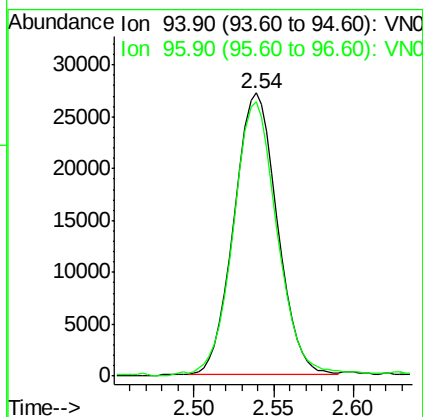
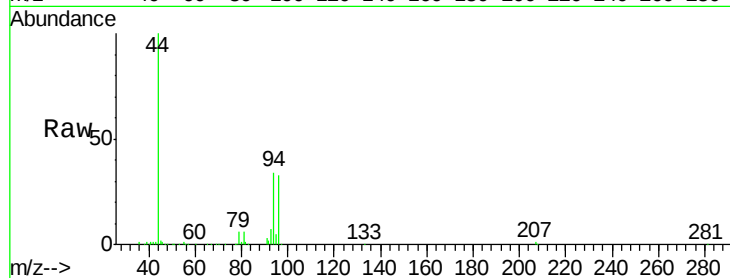
VN0519WBSD01

Tot Ion: 94 Resp: 49962

Ion Ratio Lower Upper

94 100

96 96.4 74.9 112.3



#6

Chloroethane

Concen: 17.526 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061479.D

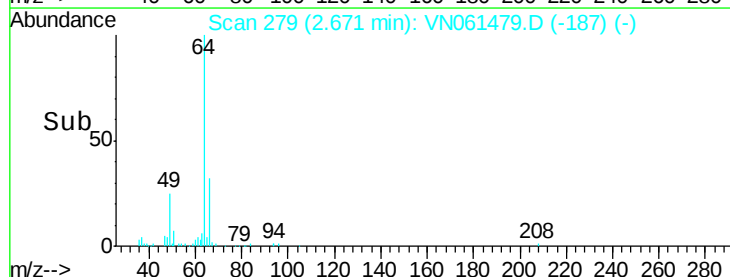
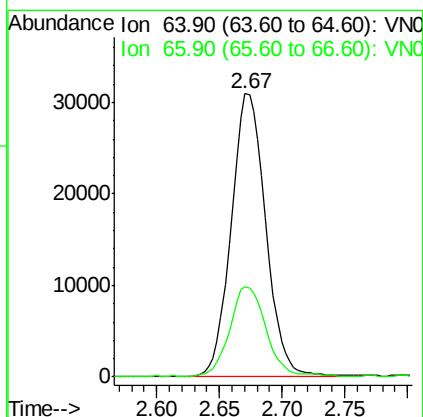
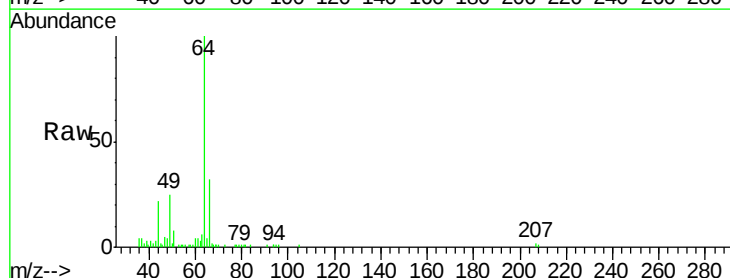
Acq: 19 May 2020 13:24

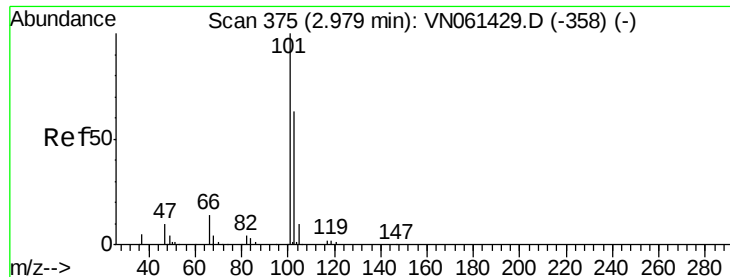
Tgt Ion: 64 Resp: 59401

Ion Ratio Lower Upper

64 100

66 31.9 26.3 39.5



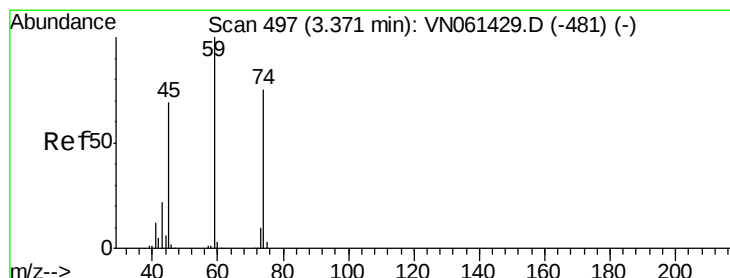
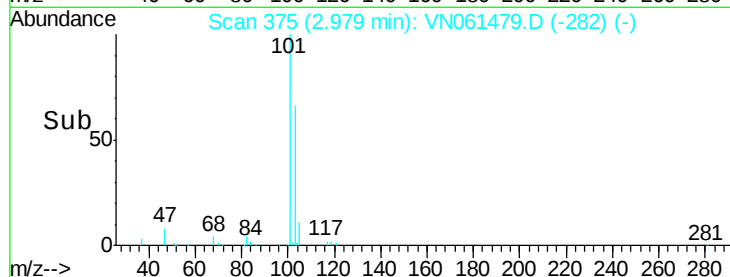
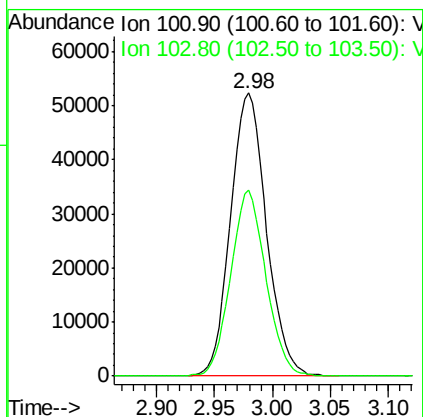
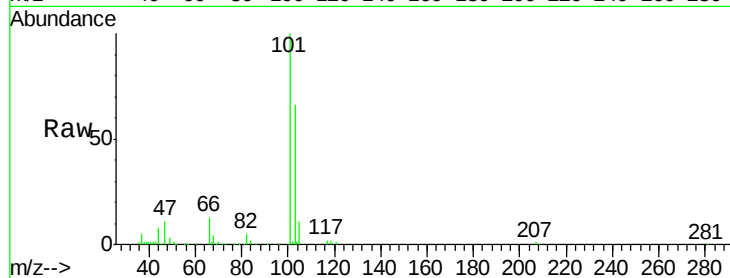


#7

Trichlorofluoromethane
 Concen: 18.358 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Instrument :
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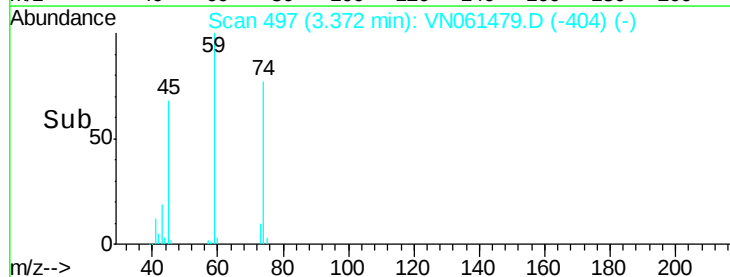
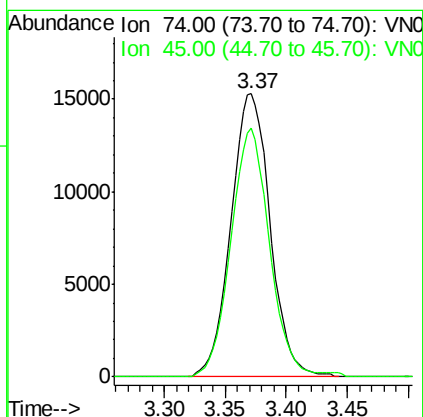
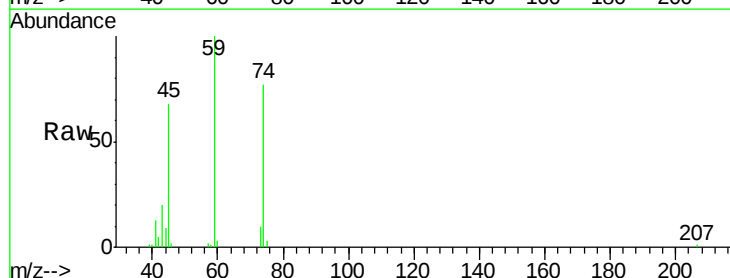
Tot Ion:101 Resp: 112230
 Ion Ratio Lower Upper
 101 100
 103 65.9 50.2 75.4

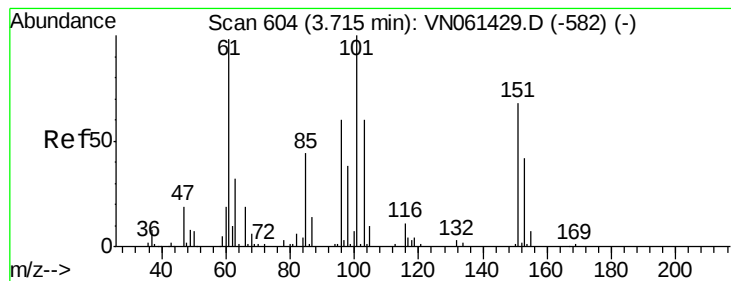


#8

Diethyl Ether
 Concen: 19.107 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion: 74 Resp: 34024
 Ion Ratio Lower Upper
 74 100
 45 86.8 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.398 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

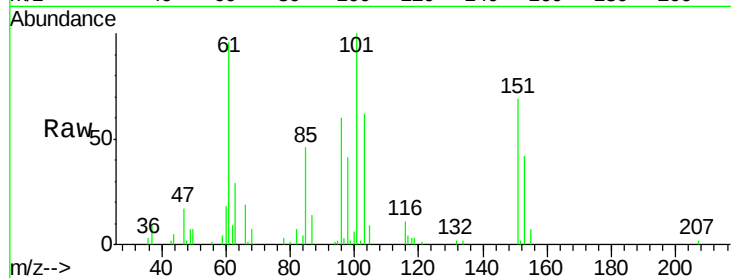
Tot Ion:101 Resp: 49316

Ion Ratio Lower Upper

101 100

85 45.4 36.6 55.0

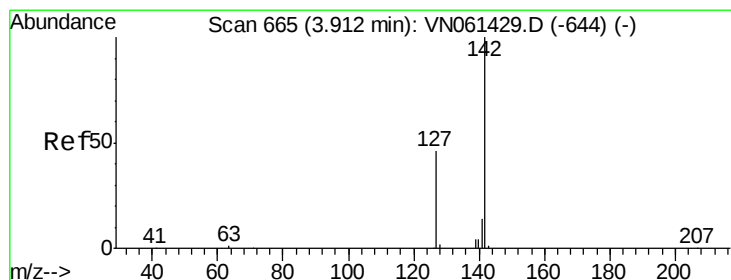
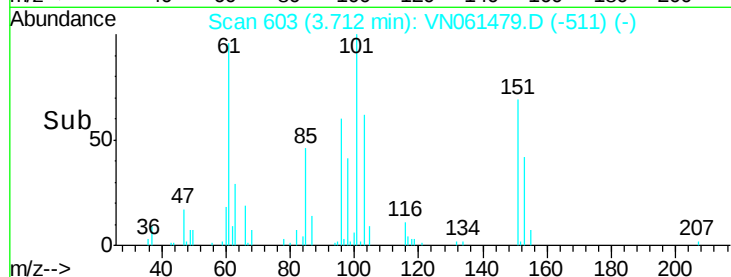
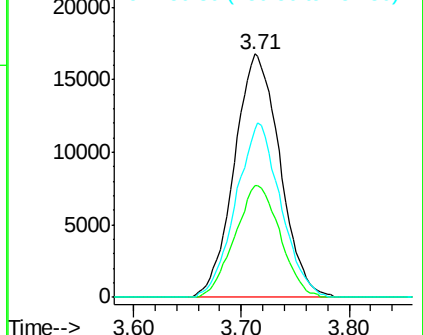
151 70.4 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.268 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

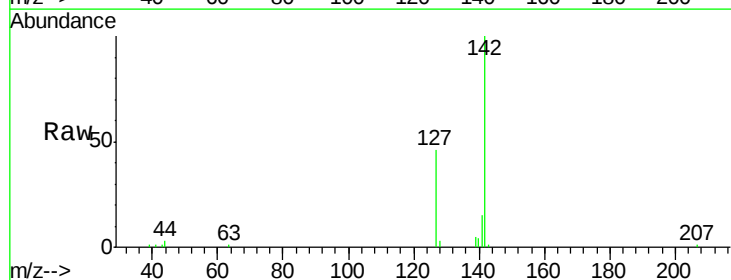
Tgt Ion:142 Resp: 59497

Ion Ratio Lower Upper

142 100

127 47.3 36.7 55.1

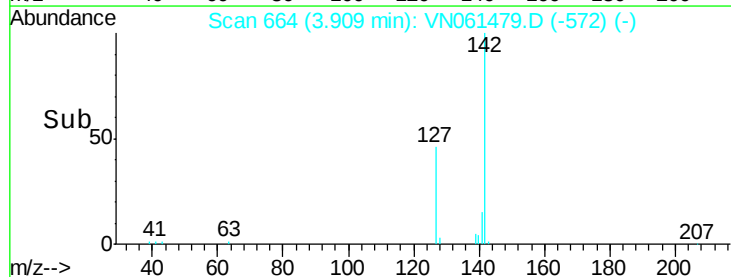
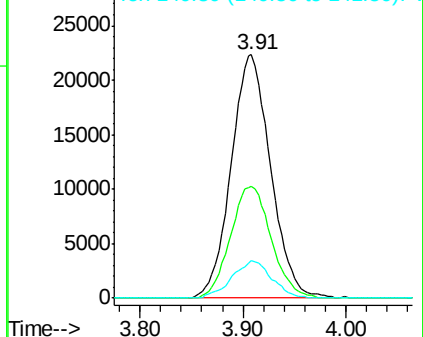
141 15.4 11.5 17.3

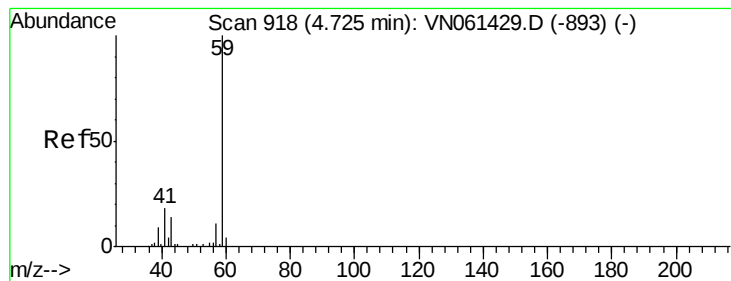


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



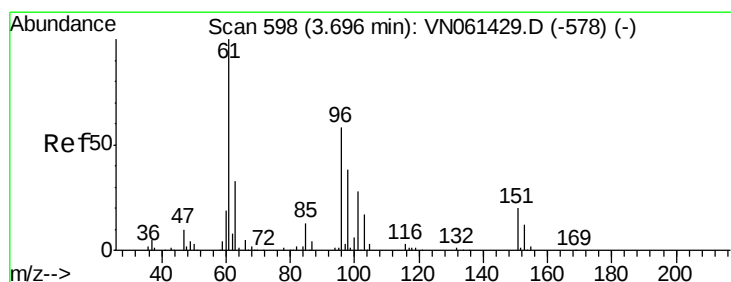
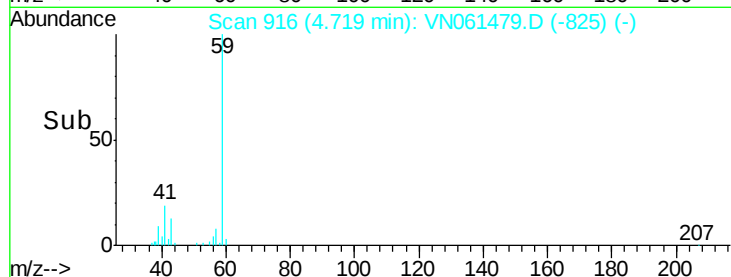
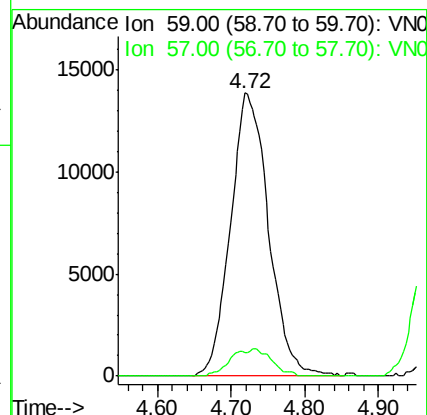
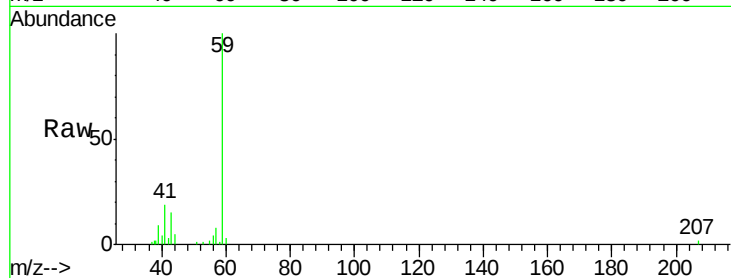


#11

Tert butyl alcohol
 Concen: 111.519 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

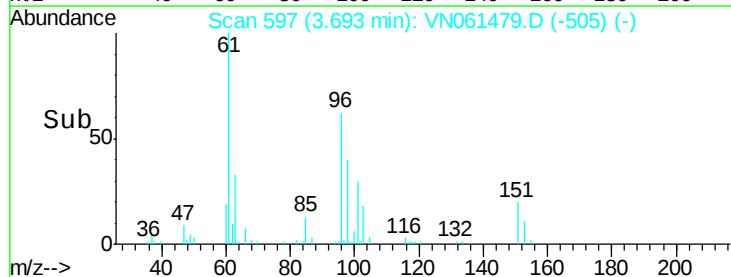
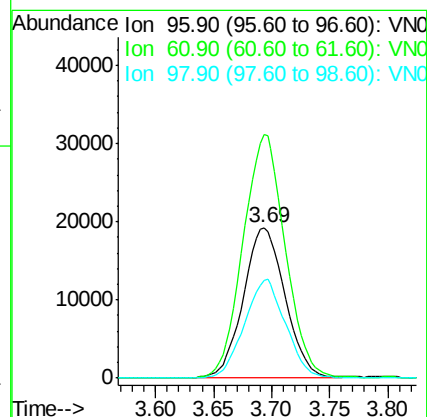
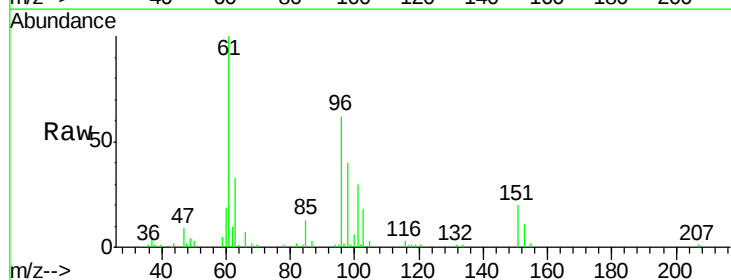
Tot Ion: 59 Resp: 49754
 Ion Ratio Lower Upper
 59 100
 57 4.2 8.2 12.2#

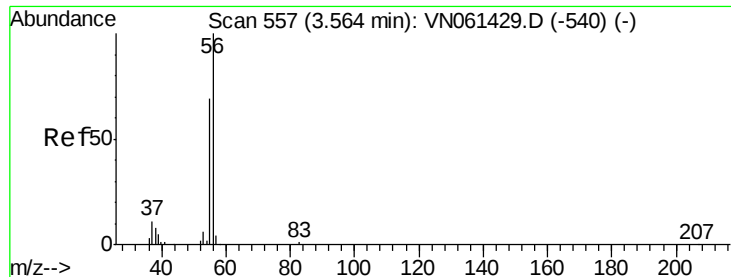


#12

1,1-Dichloroethene
 Concen: 18.148 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion: 96 Resp: 48262
 Ion Ratio Lower Upper
 96 100
 61 162.1 138.7 208.1
 98 65.1 53.0 79.6





#13

Acrolein

Concen: 59.876 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

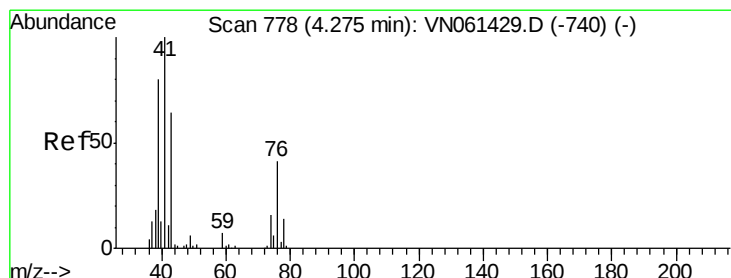
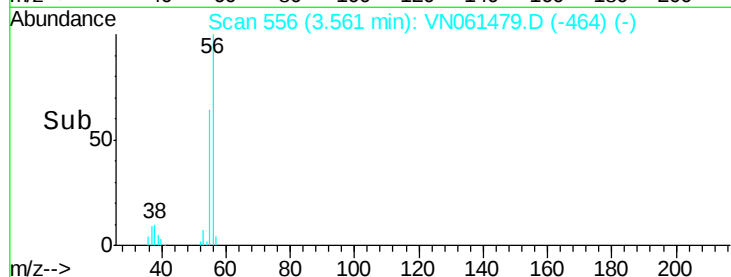
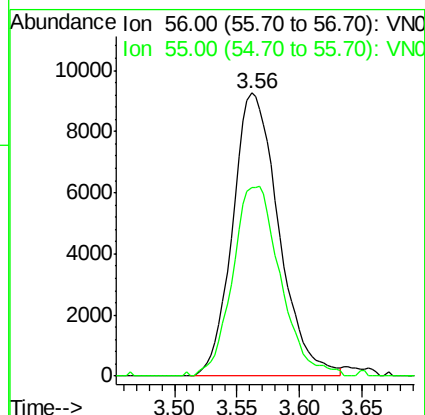
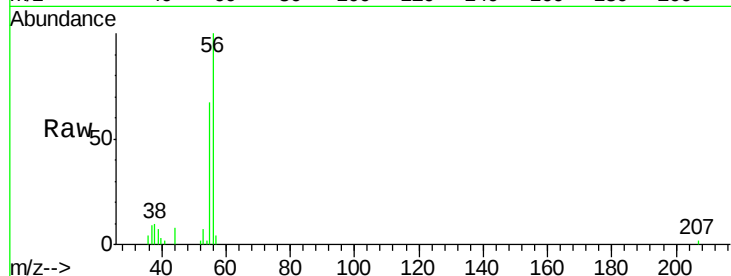
VN0519WBSD01

Tot Ion: 56 Resp: 23725

Ion Ratio Lower Upper

56 100

55 69.2 54.8 82.2



#14

Allyl chloride

Concen: 17.782 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

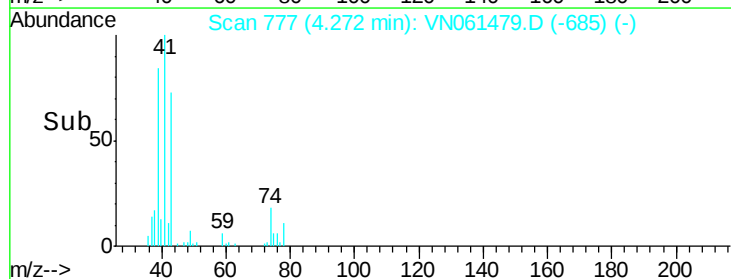
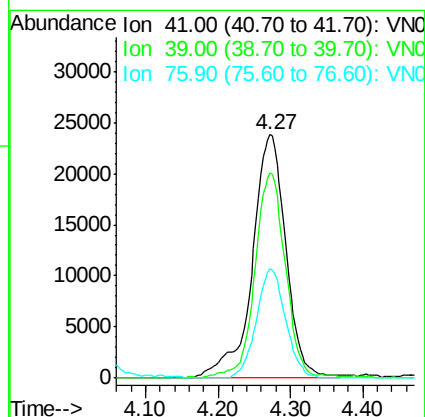
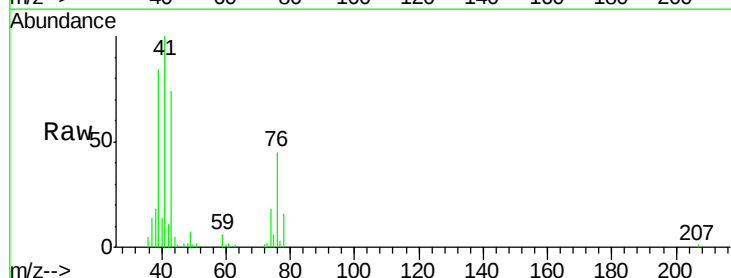
Tgt Ion: 41 Resp: 76959

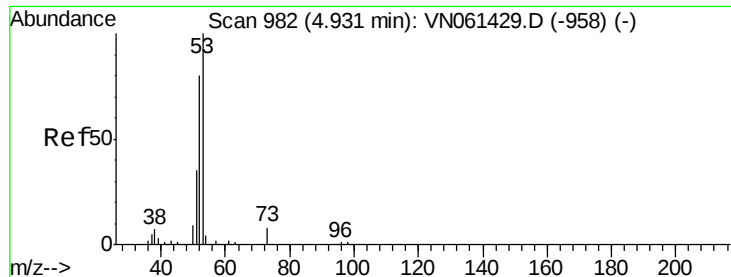
Ion Ratio Lower Upper

41 100

39 75.9 61.2 91.8

76 39.0 29.9 44.9





#15

Acrylonitrile

Concen: 91.844 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

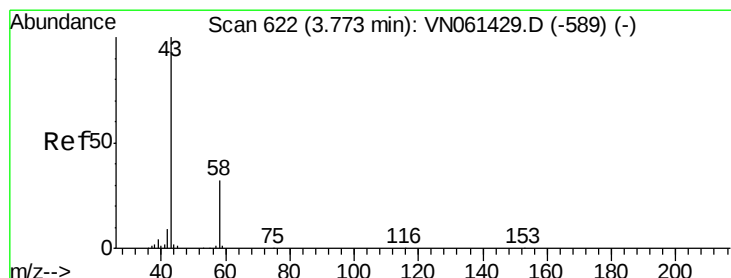
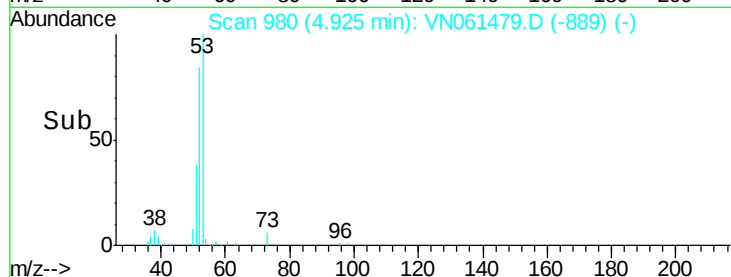
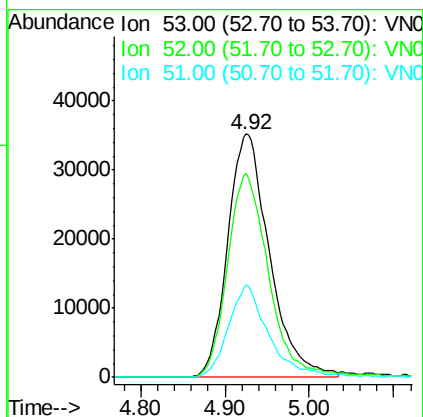
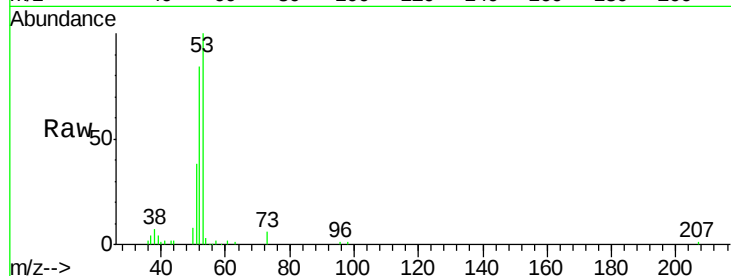
Tot Ion: 53 Resp: 121399

Ion Ratio Lower Upper

53 100

52 81.7 64.7 97.1

51 36.7 29.5 44.3



#16

Acetone

Concen: 92.430 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061479.D

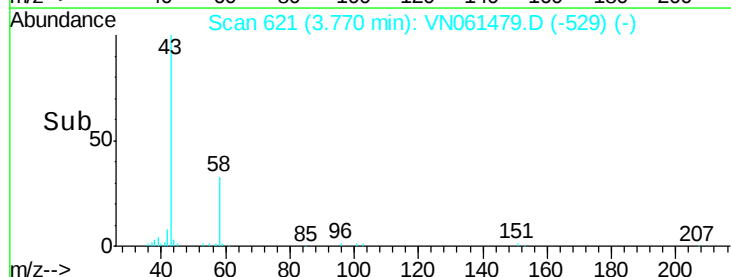
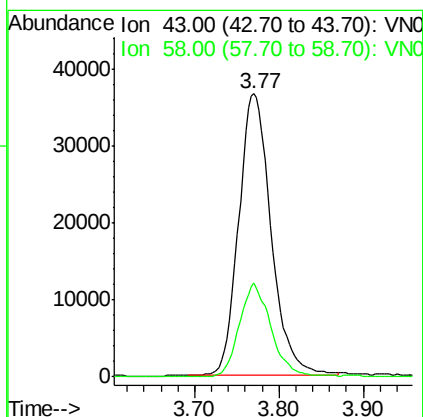
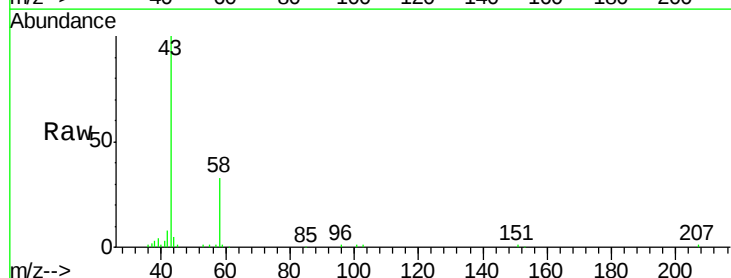
Acq: 19 May 2020 13:24

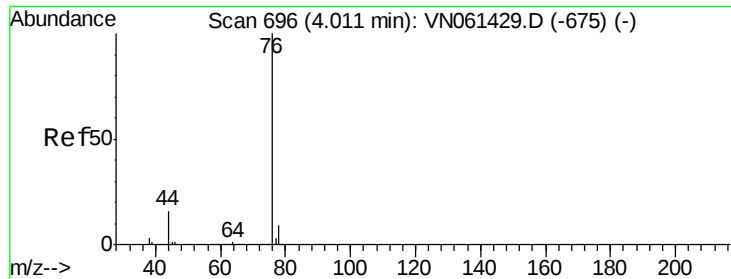
Tgt Ion: 43 Resp: 98703

Ion Ratio Lower Upper

43 100

58 33.2 25.6 38.4

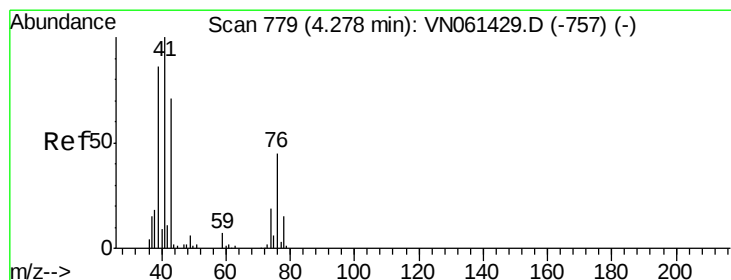
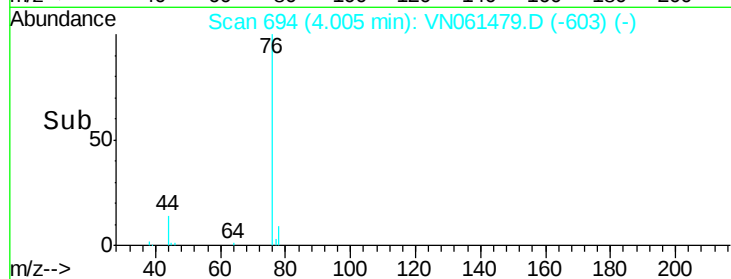
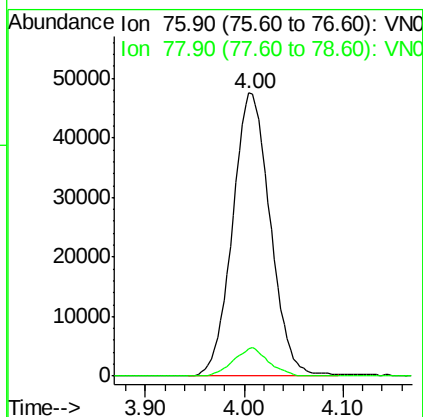
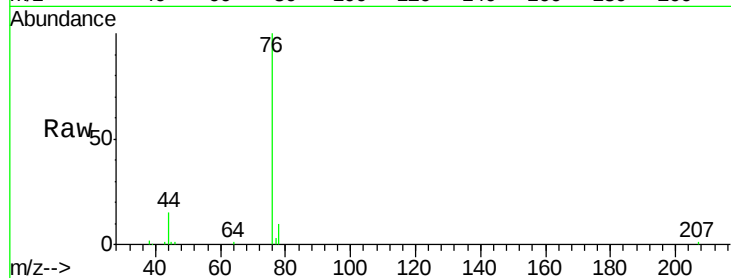




#17
Carbon Disulfide
Concen: 20.202 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.01 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

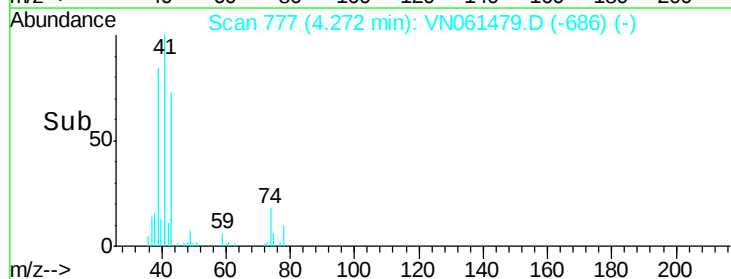
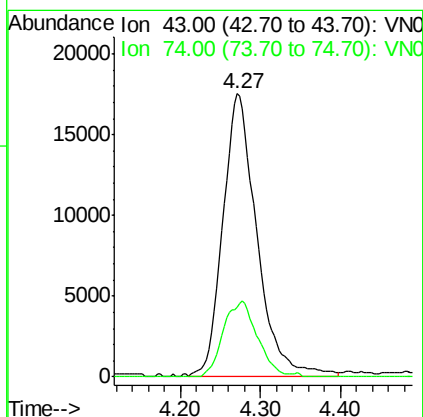
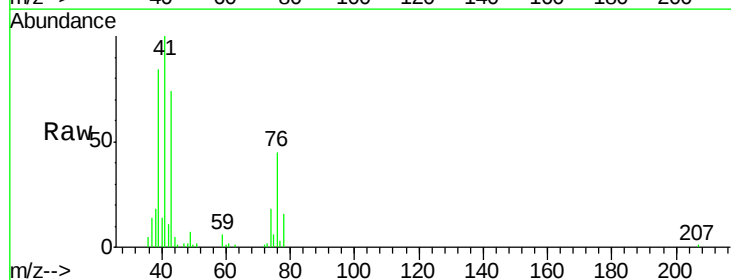
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

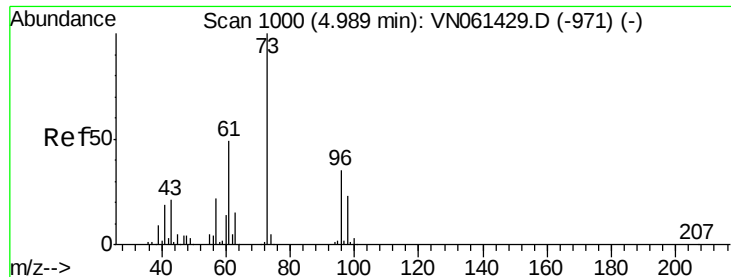
Tot Ion: 76 Resp: 126154
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#18
Methyl Acetate
Concen: 18.593 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion: 43 Resp: 51159
Ion Ratio Lower Upper
43 100
74 26.5 20.8 31.2

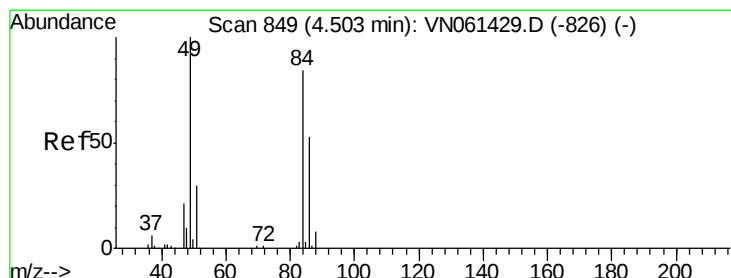
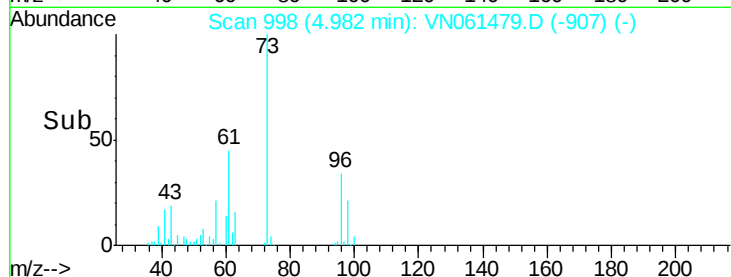
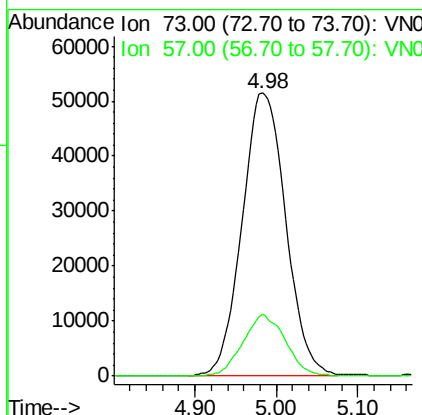
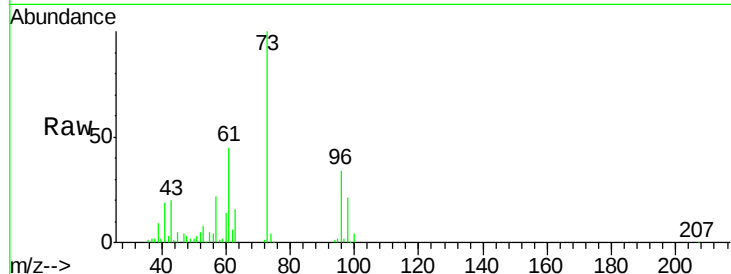




#19
Methvl tert-butvl Ether
Concen: 18.944 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

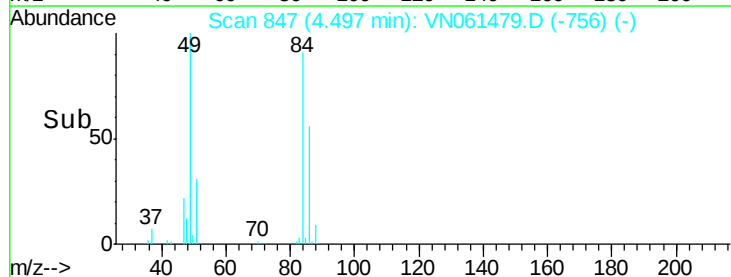
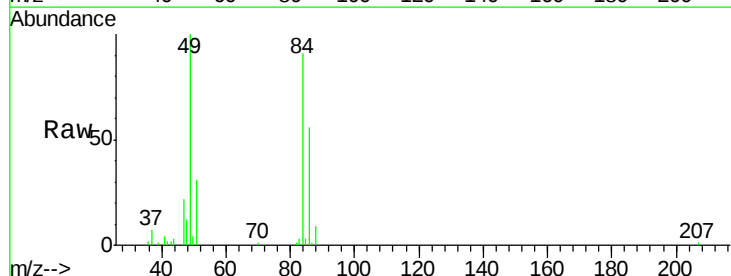
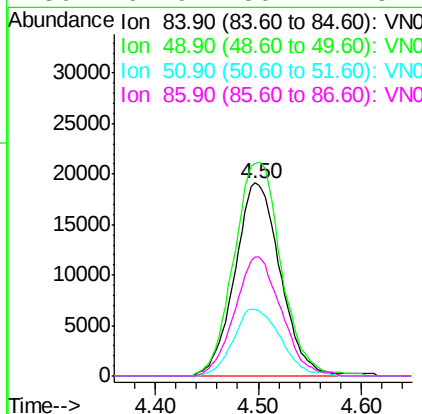
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

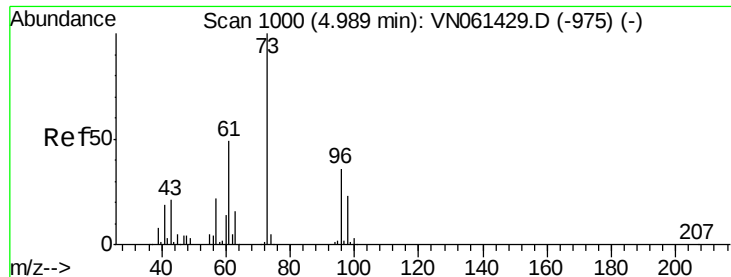
Tot Ion: 73 Resp: 191177
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0



#20
Methylene Chloride
Concen: 18.349 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion: 84 Resp: 58390
Ion Ratio Lower Upper
84 100
49 110.2 95.3 142.9
51 34.4 29.0 43.6
86 61.9 50.2 75.2

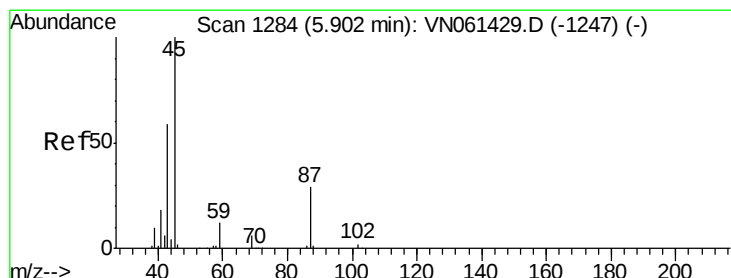
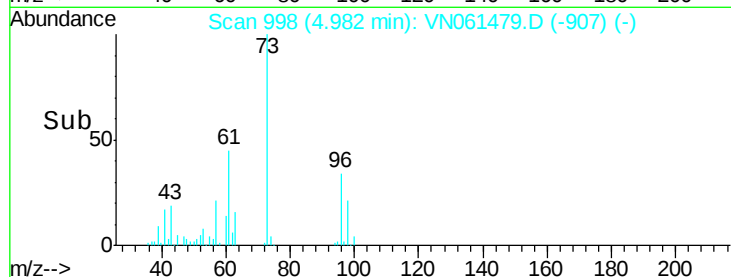
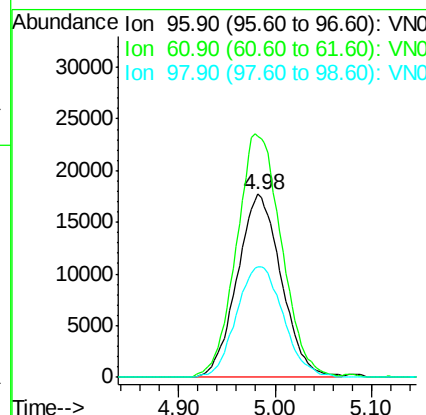
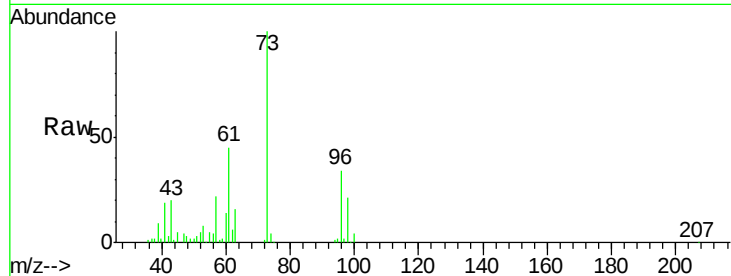




#21
trans-1,2-Dichloroethene
Concen: 18.366 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

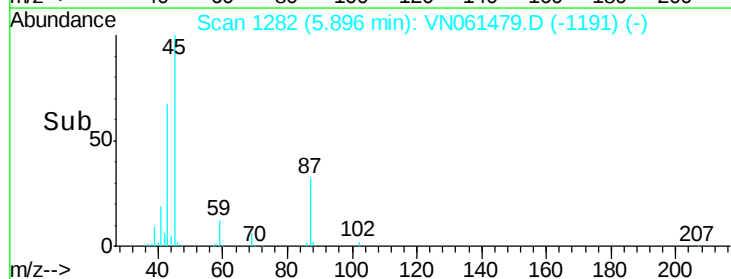
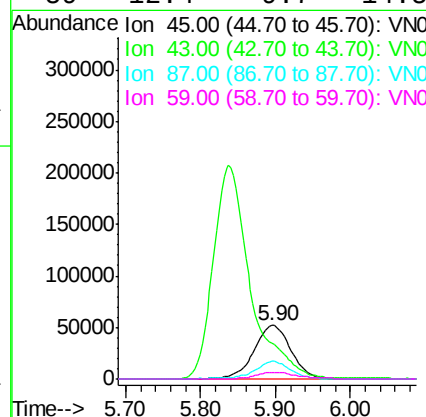
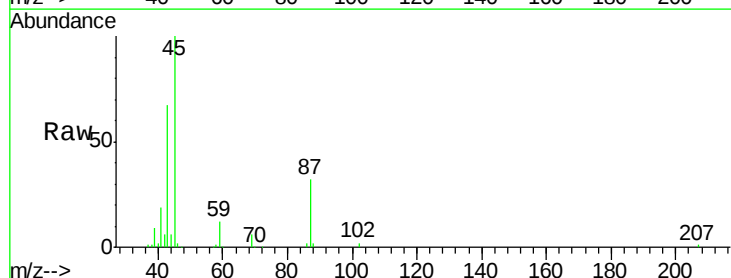
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

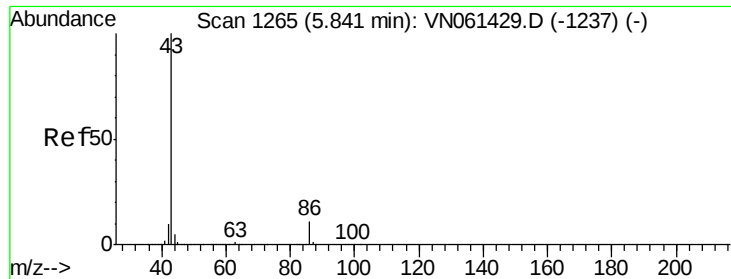
Tot Ion: 96 Resp: 56319
Ion Ratio Lower Upper
96 100
61 131.3 109.8 164.6
98 60.1 52.4 78.6



#22
Diisopropyl ether
Concen: 18.414 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion: 45 Resp: 179083
Ion Ratio Lower Upper
45 100
43 64.4 47.9 71.9
87 32.4 24.0 36.0
59 12.4 9.7 14.5





#23

Vinyl Acetate

Concen: 92.430 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

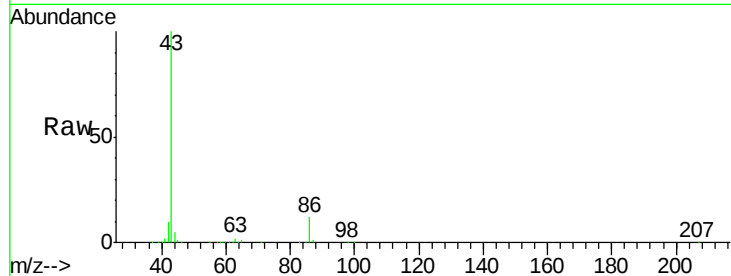
VN0519WBSD01

Tot Ion: 43 Resp: 714828

Ion Ratio Lower Upper

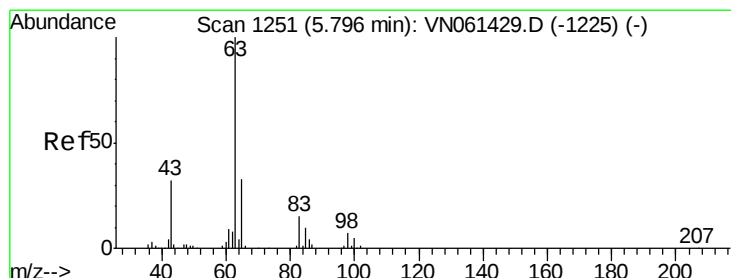
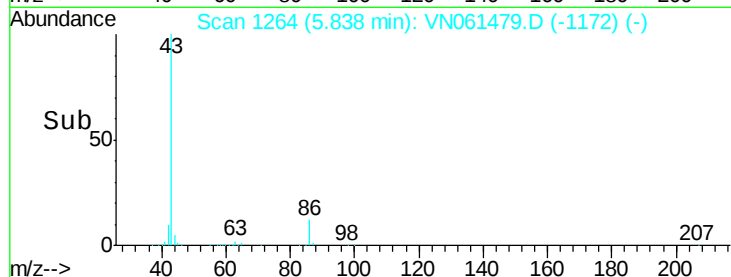
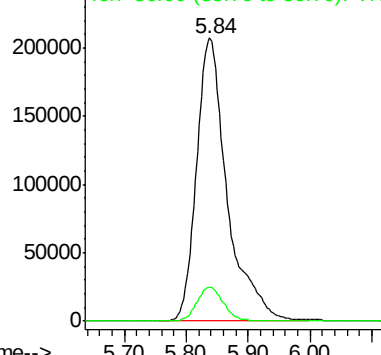
43 100

86 12.0 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.502 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

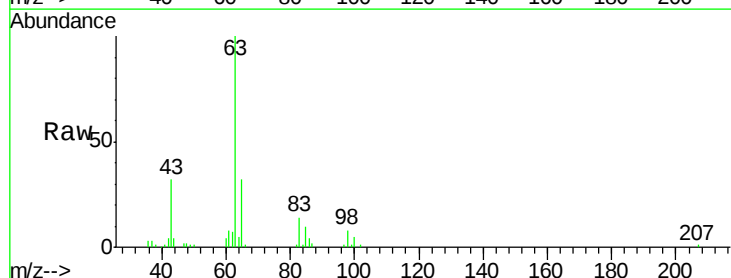
Tgt Ion: 63 Resp: 104953

Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.5

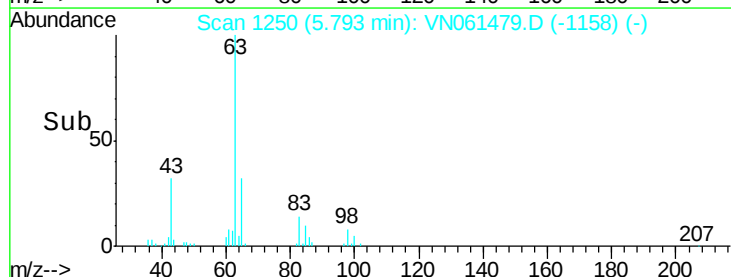
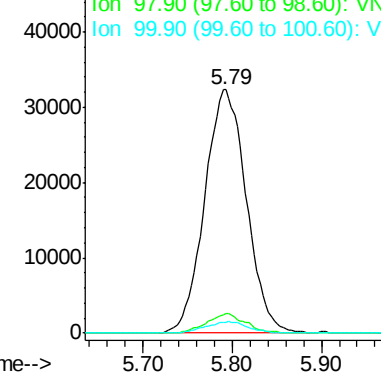
100 4.6 2.3 6.9

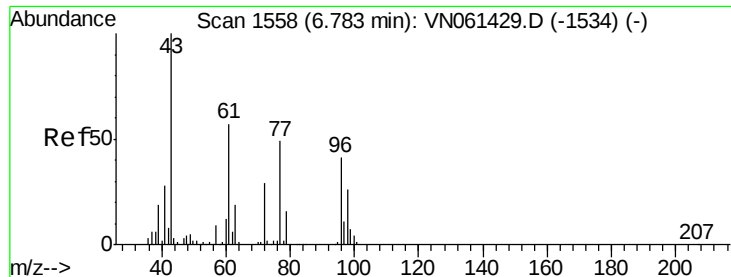


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

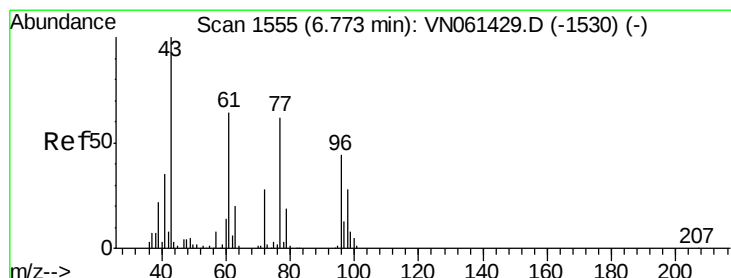
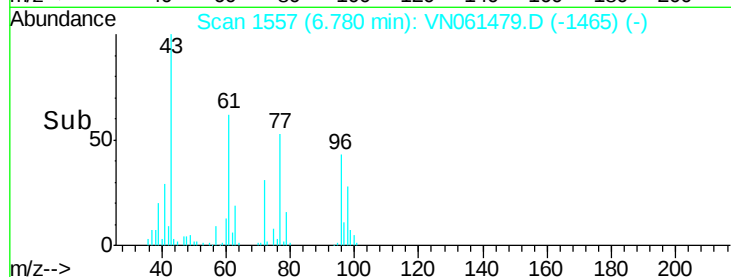
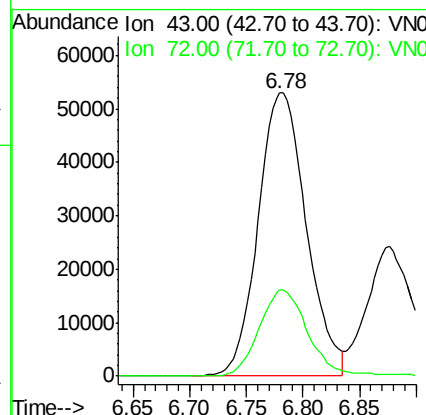
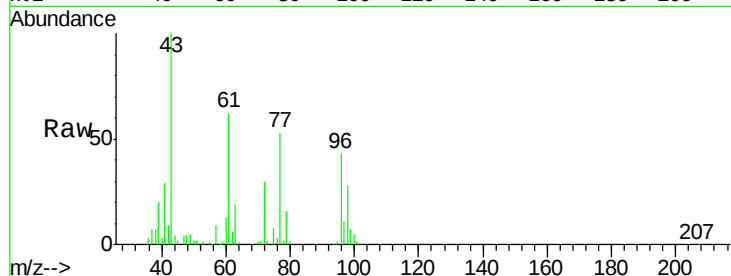




#25
 2-Butanone
 Concen: 88.747 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

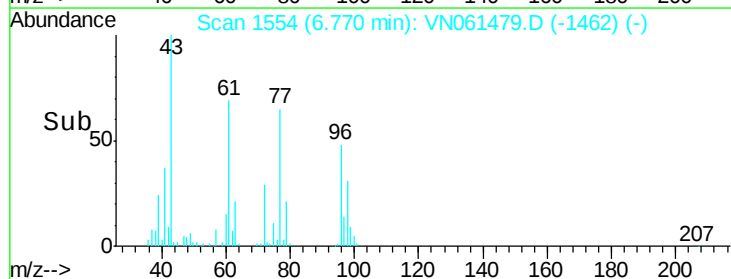
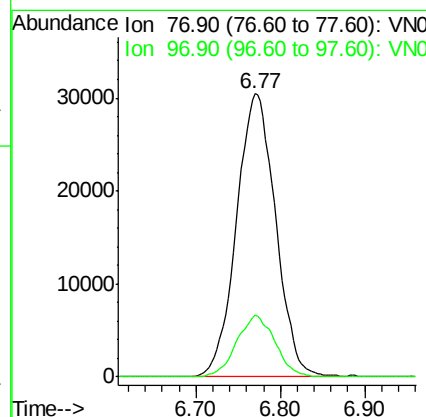
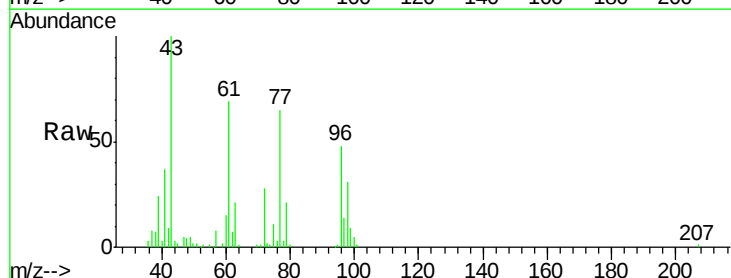
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

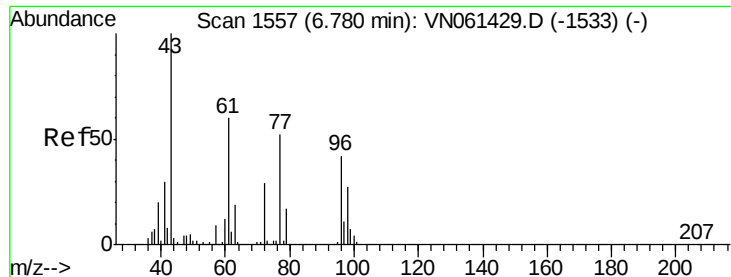
Tot Ion: 43 Resp: 156459
 Ion Ratio Lower Upper
 43 100
 72 30.4 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 18.157 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion: 77 Resp: 98184
 Ion Ratio Lower Upper
 77 100
 97 21.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 19.314 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

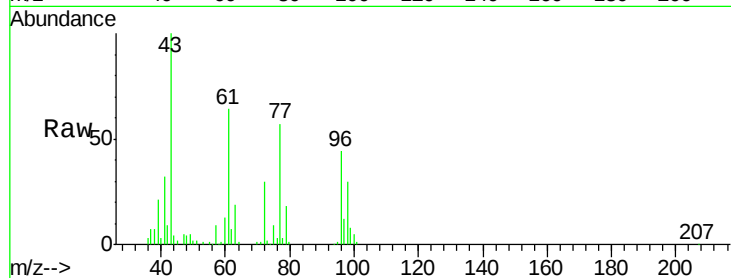
Tot Ion: 96 Resp: 69961

Ion Ratio Lower Upper

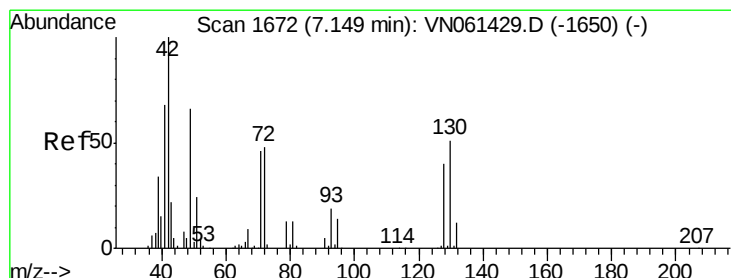
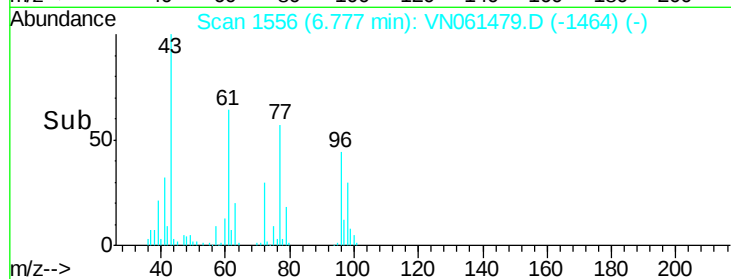
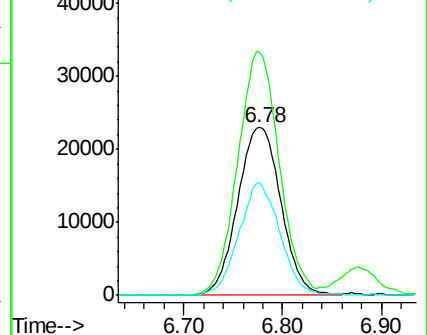
96 100

61 139.4 0.0 294.2

98 63.5 0.0 128.2



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



#28

Bromochloromethane

Concen: 19.395 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

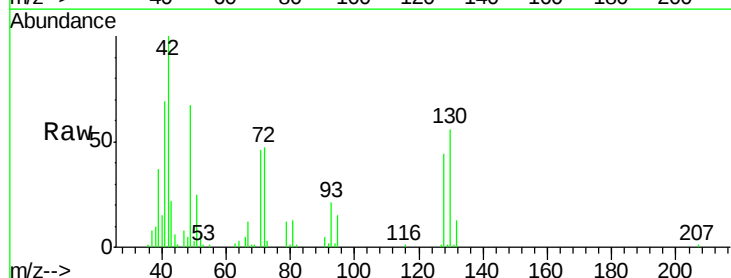
Tgt Ion: 49 Resp: 46699

Ion Ratio Lower Upper

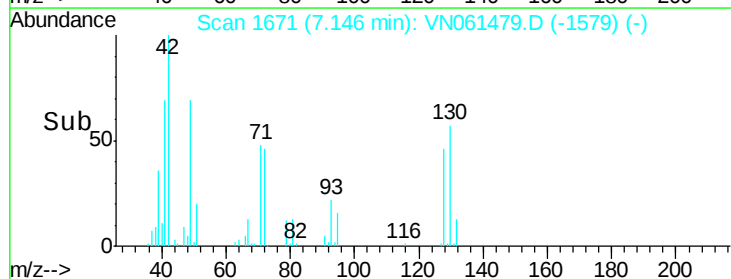
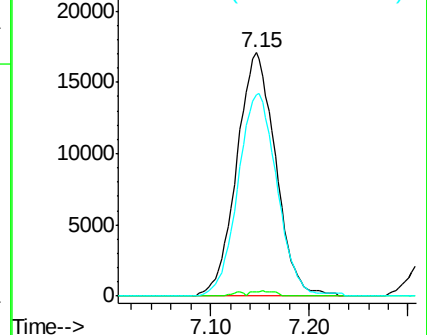
49 100

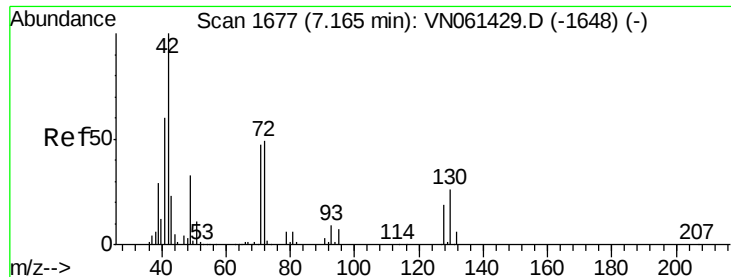
129 1.3 0.0 4.6

130 83.4 62.2 93.2



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO

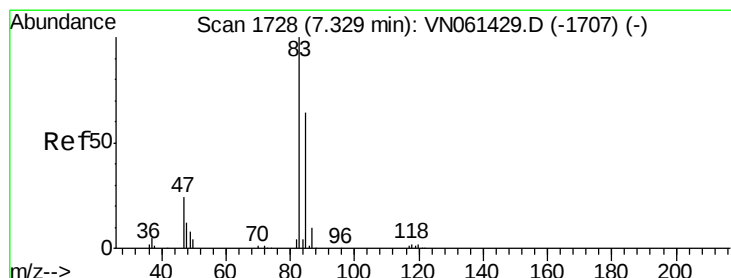
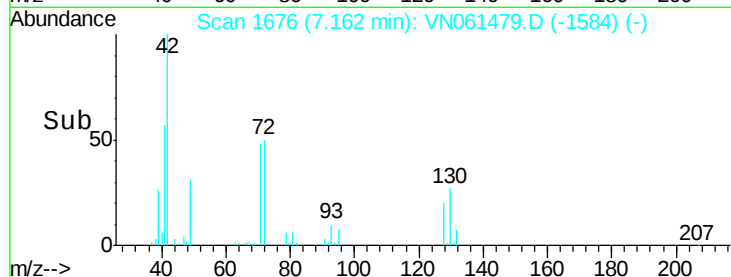
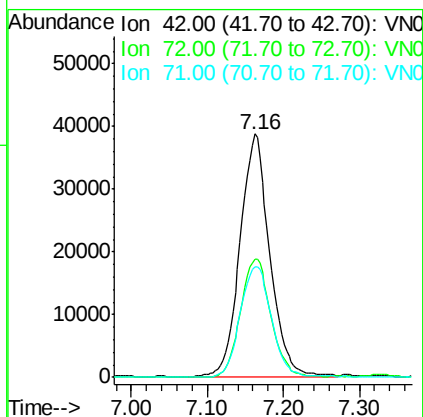
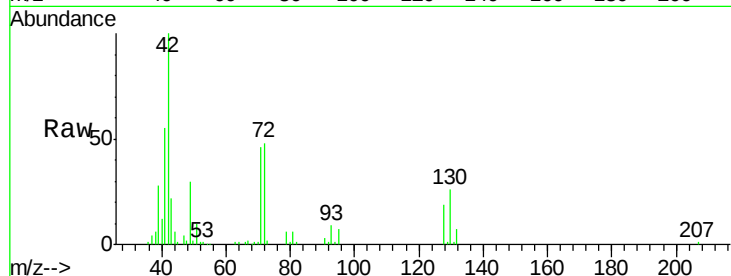




#29
Tetrahydrofuran
Concen: 91.109 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

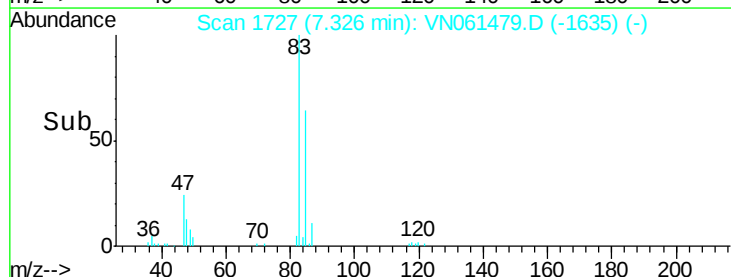
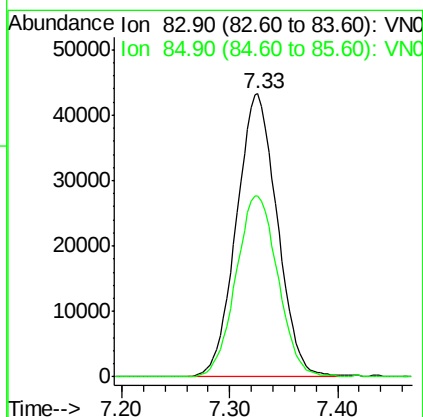
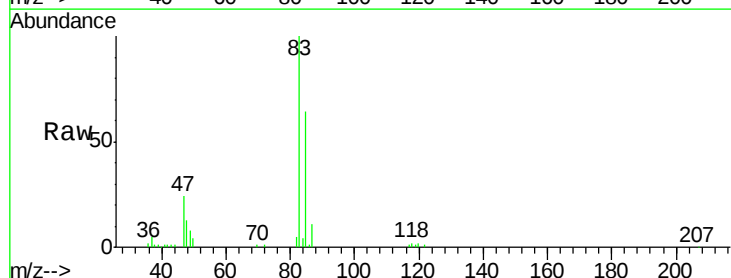
Instrument :
MSVOA_N
ClientSampled :
VN0519WBSD01

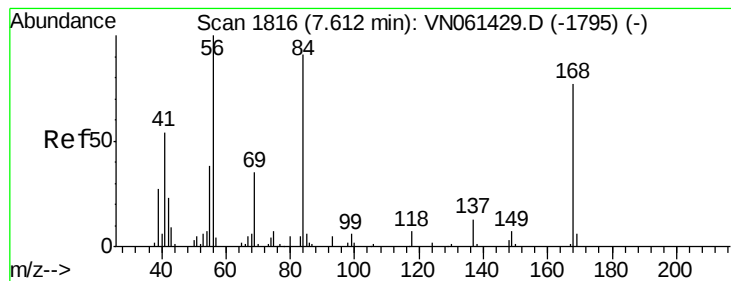
Tot Ion: 42 Resp: 106376
Ion Ratio Lower Upper
42 100
72 49.4 39.0 58.6
71 47.3 36.9 55.3



#30
Chloroform
Concen: 19.155 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion: 83 Resp: 113487
Ion Ratio Lower Upper
83 100
85 63.8 51.0 76.4





#31

Cvclohexane

Concen: 16.903 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

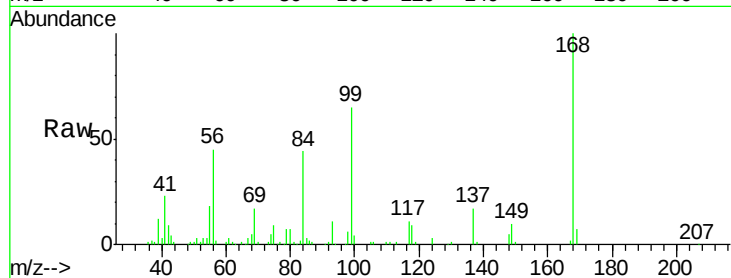
Tot Ion: 56 Resp: 94235

Ion Ratio Lower Upper

56 100

69 39.1 27.8 41.6

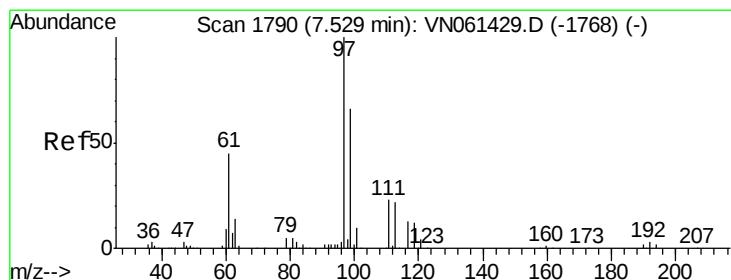
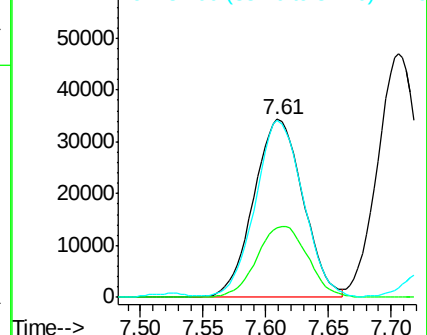
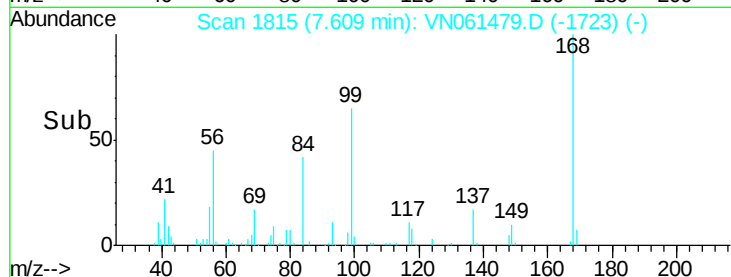
84 98.4 72.7 109.1



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: 18.453 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

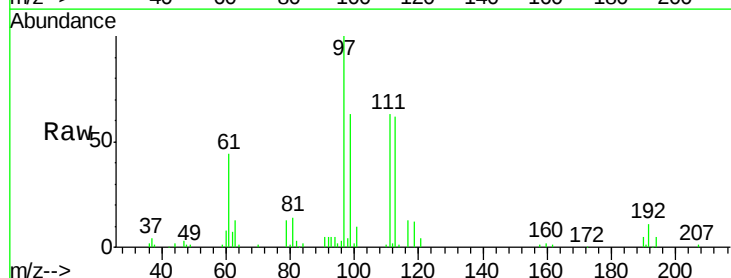
Tgt Ion: 97 Resp: 99907

Ion Ratio Lower Upper

97 100

99 63.3 51.5 77.3

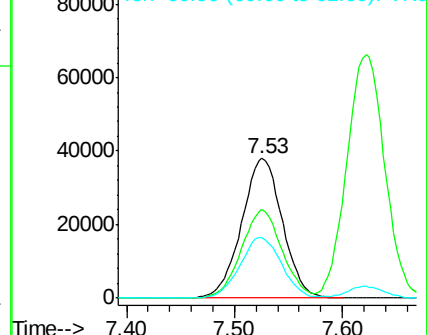
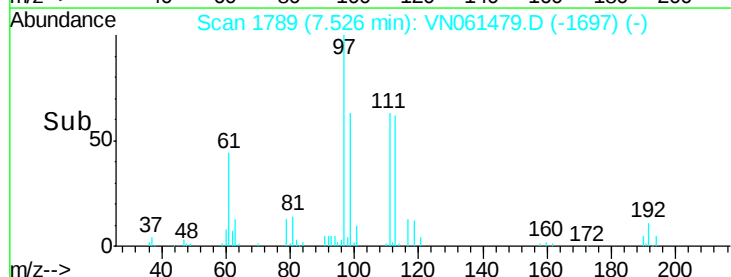
61 44.4 35.8 53.6

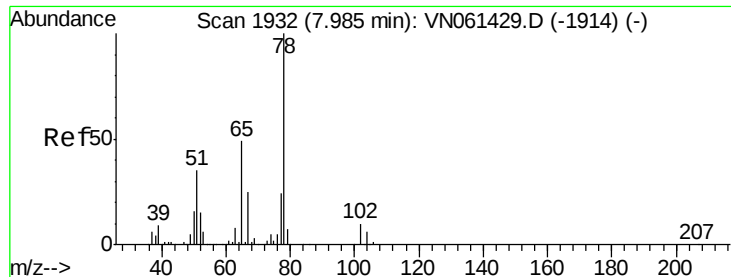


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

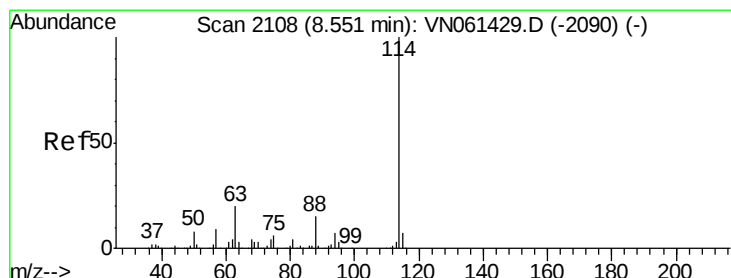
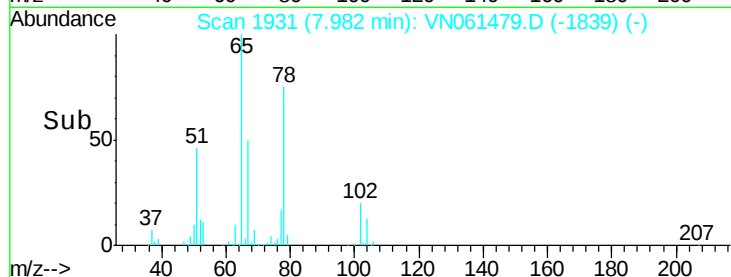
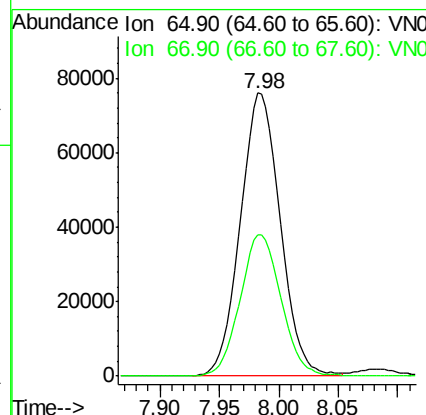
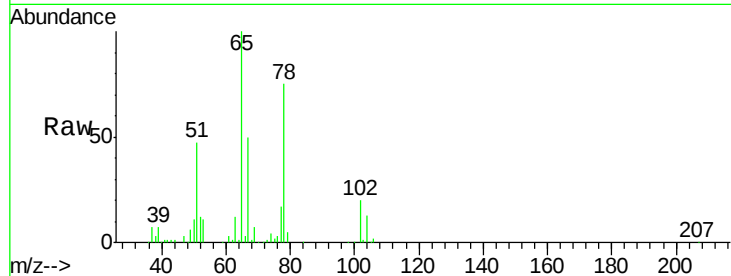




#33
 1,2-Dichloroethane-d4
 Concen: 45.677 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

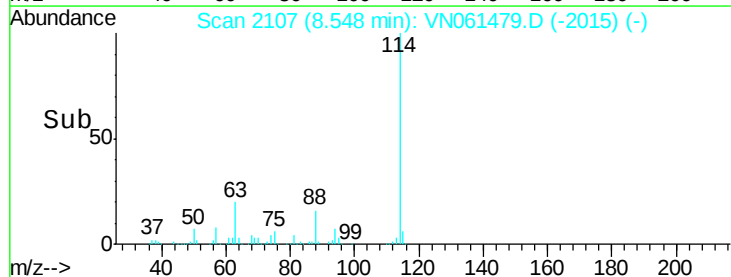
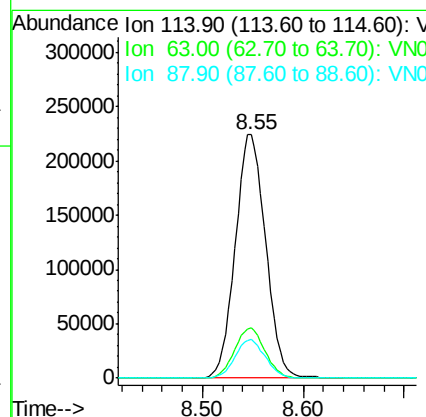
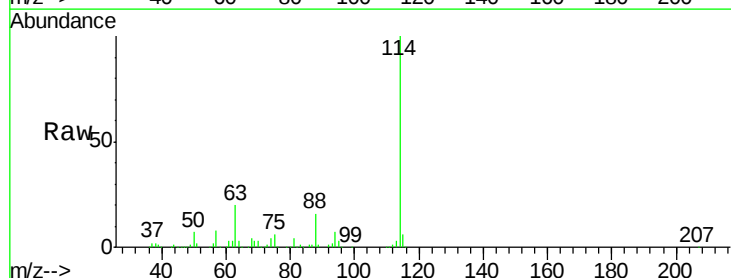
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

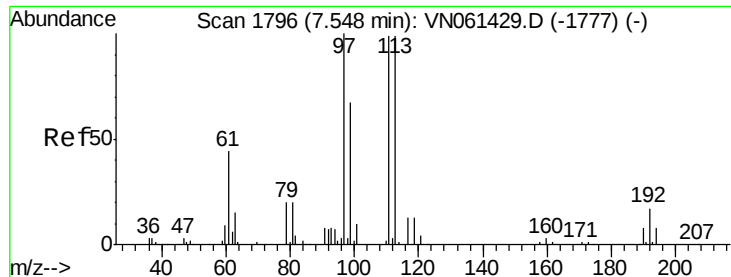
Tot Ion: 65 Resp: 176864
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion: 114 Resp: 469336
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 15.7 0.0 30.8

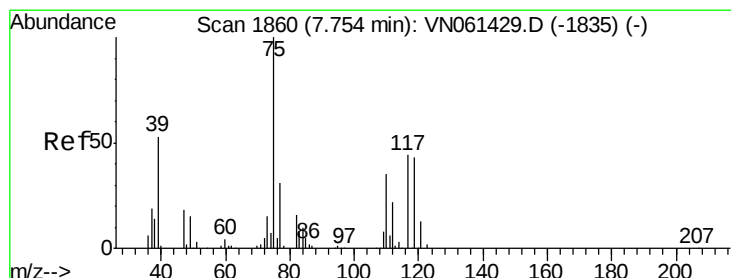
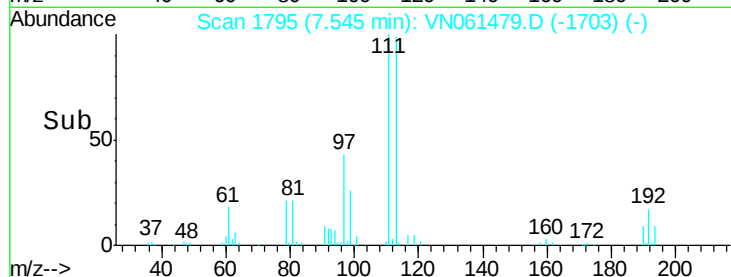
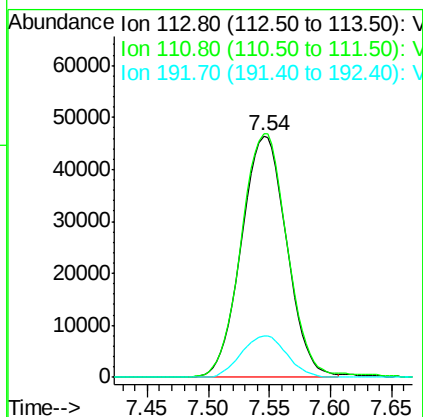
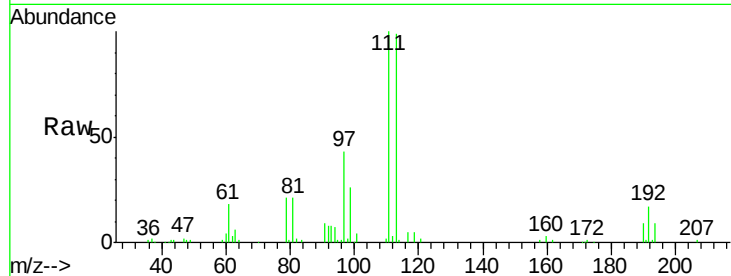




#35
 Dibromofluoromethane
 Concen: 48.520 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

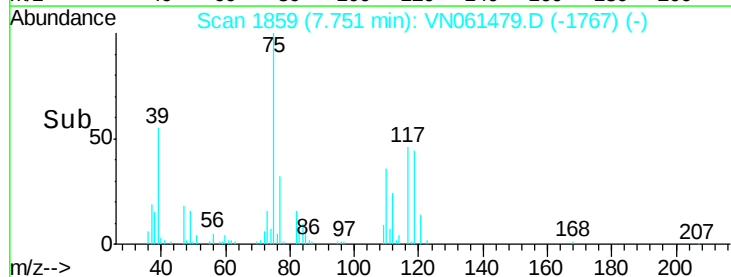
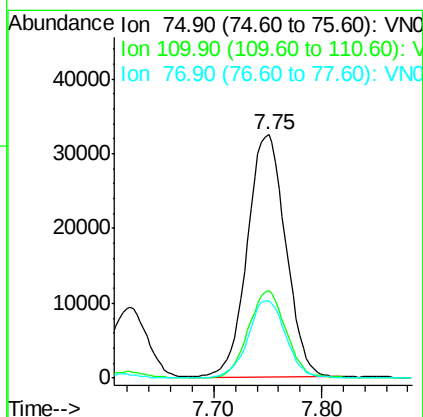
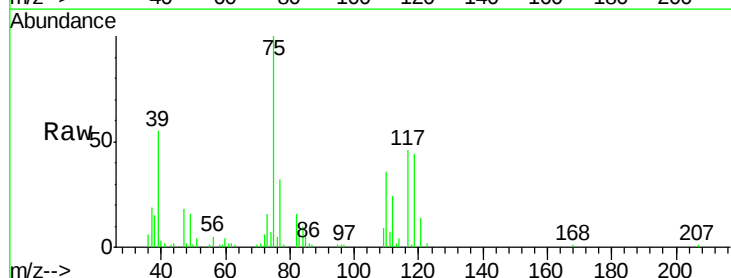
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

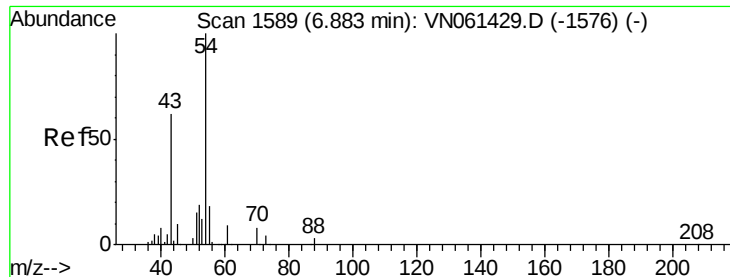
Tot Ion:113 Resp: 119298
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.6 121.0
 192 17.2 13.2 19.8



#36
 1,1-Dichloropropene
 Concen: 18.270 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion: 75 Resp: 80179
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.3 51.9
 77 31.4 24.9 37.3

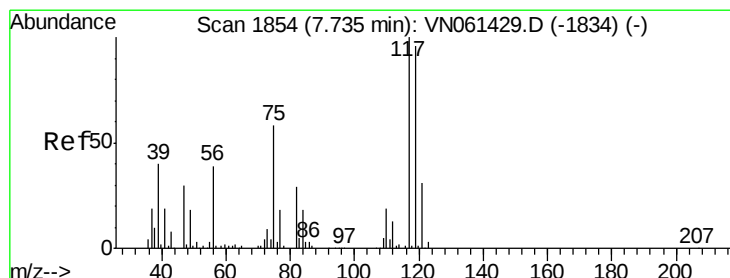
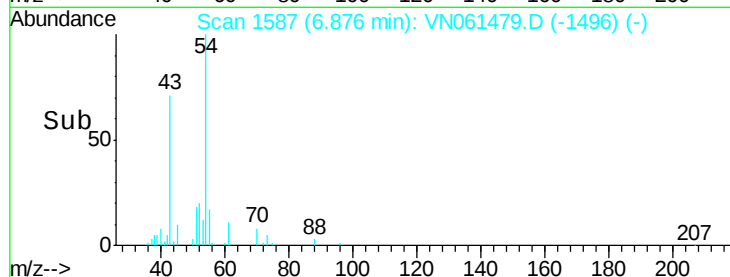
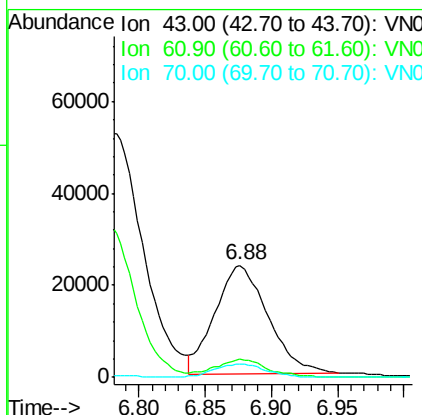
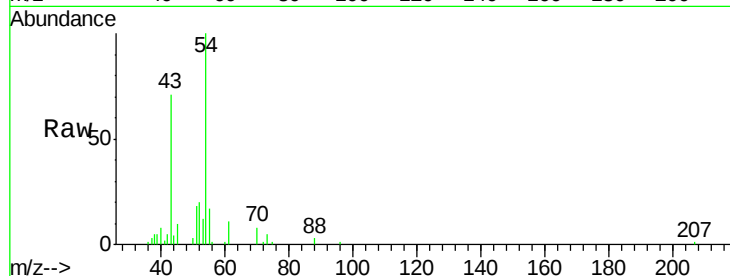




#37
Ethyl Acetate
Concen: 16.492 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

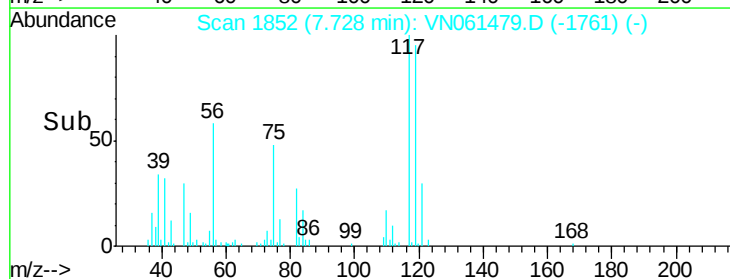
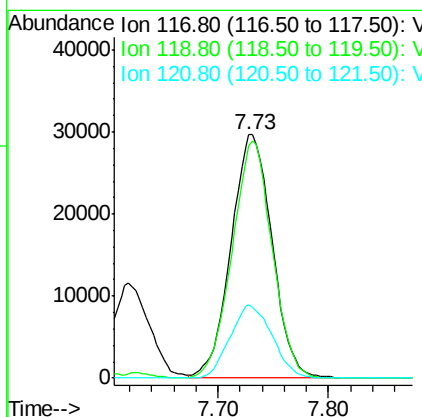
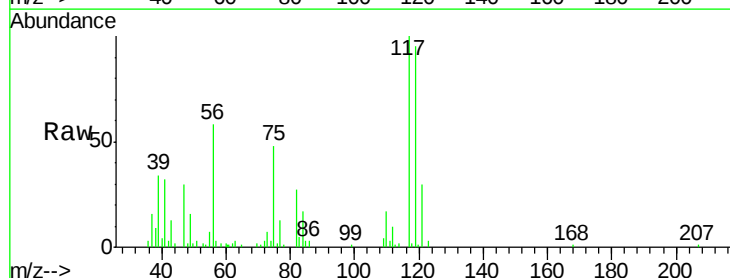
Instrument :
MSVOA_N
ClientSampled :
VN0519WBSD01

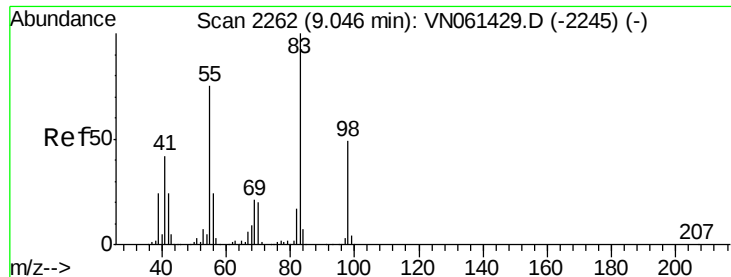
Tot Ion: 43 Resp: 65637
Ion Ratio Lower Upper
43 100
61 16.2 11.7 17.5
70 12.1 9.2 13.8



#38
Carbon Tetrachloride
Concen: 18.957 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion: 117 Resp: 76605
Ion Ratio Lower Upper
117 100
119 95.3 77.0 115.6
121 30.3 24.7 37.1

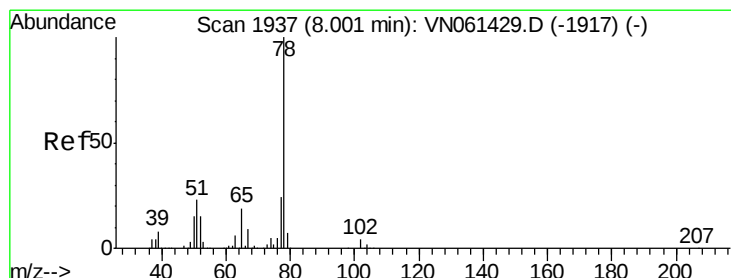
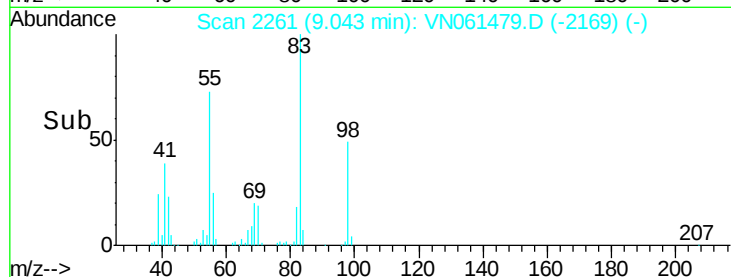
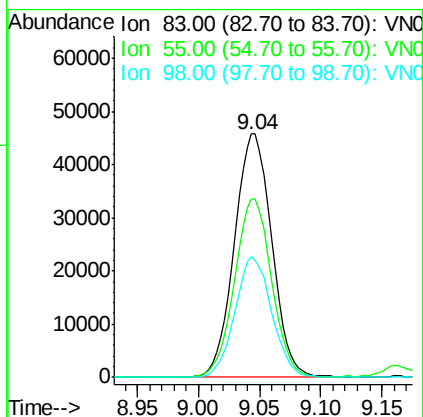
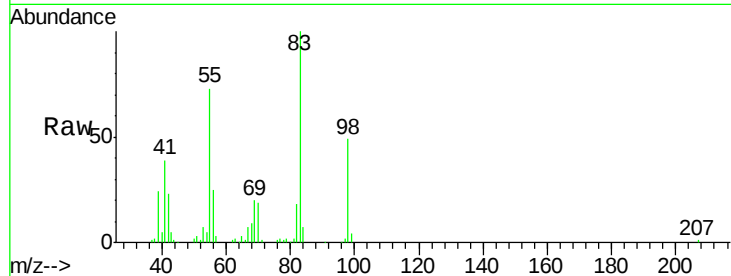




#39
Methvlcvclohexane
Concen: 18.112 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

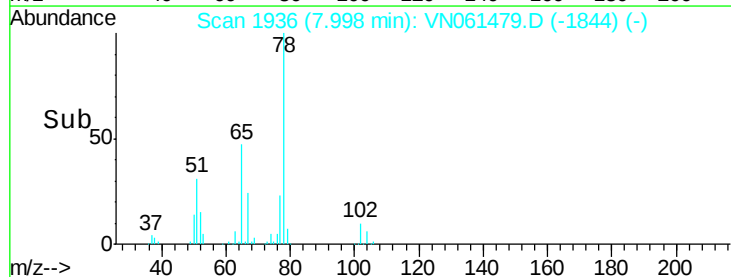
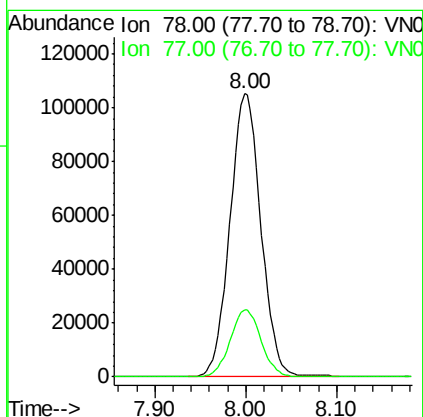
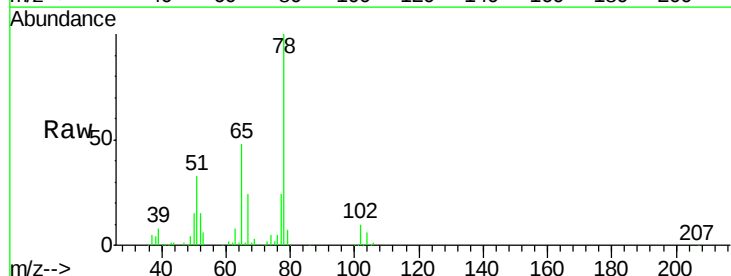
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

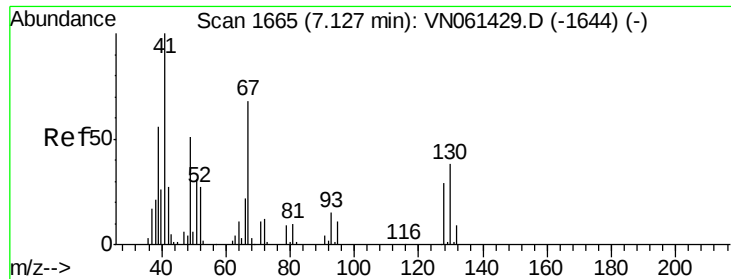
Tot Ion: 83 Resp: 97084
Ion Ratio Lower Upper
83 100
55 73.1 59.7 89.5
98 49.4 38.9 58.3



#40
Benzene
Concen: 18.803 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion: 78 Resp: 248674
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

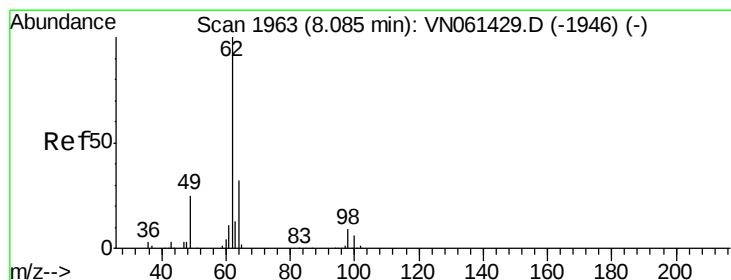
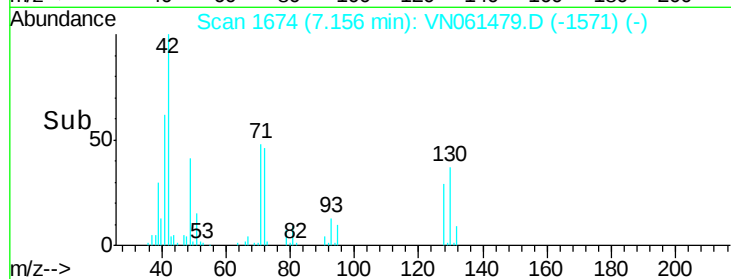
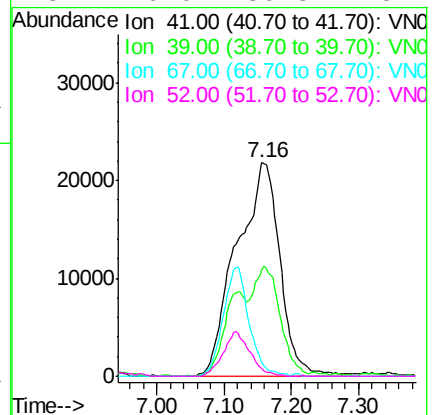
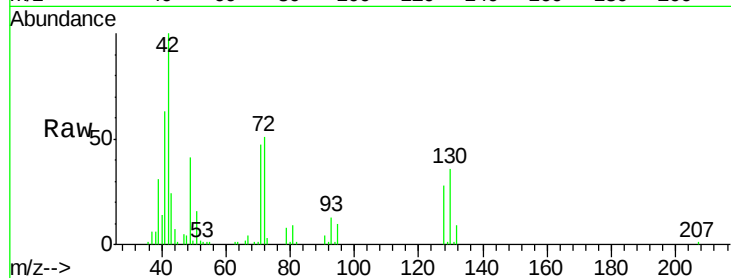




#41
Methacrylonitrile
Concen: 58.058 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.03 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

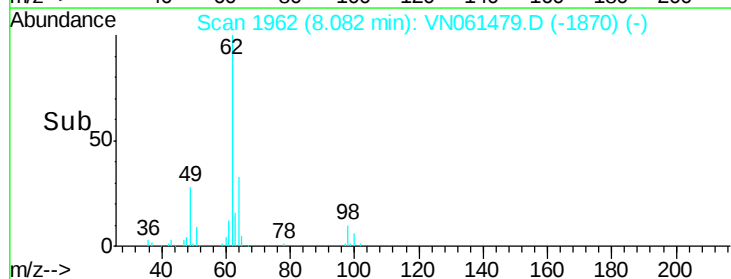
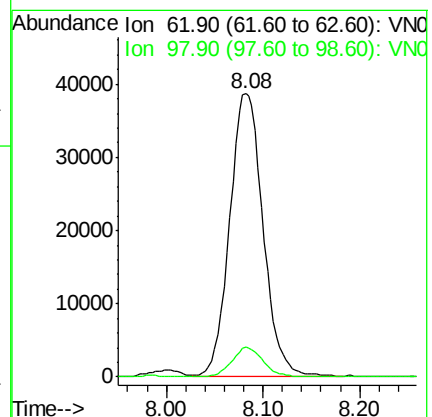
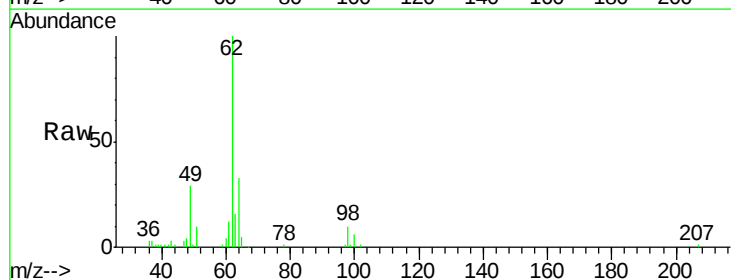
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

Tot Ion: 41 Resp: 97594
Ion Ratio Lower Upper
41 100
39 0.0 48.3 72.5#
67 0.0 74.2 111.4#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 19.515 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion: 62 Resp: 92987
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.011 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleID :

VN0519WBSD01

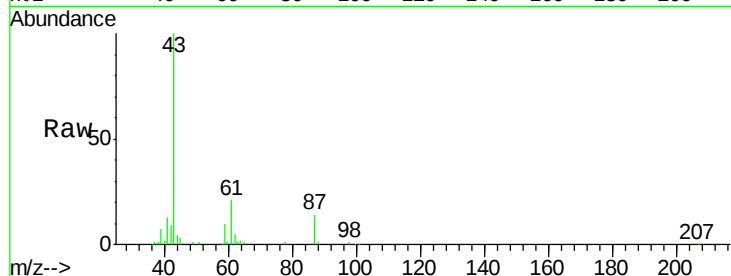
Tot Ion: 43 Resp: 125019

Ion Ratio Lower Upper

43 100

61 28.3 23.0 34.4

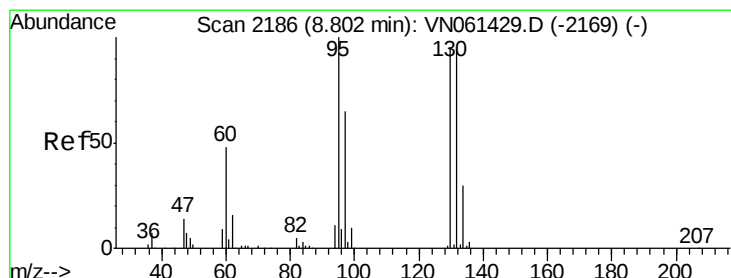
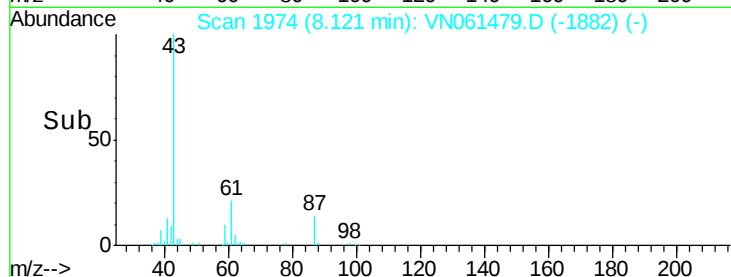
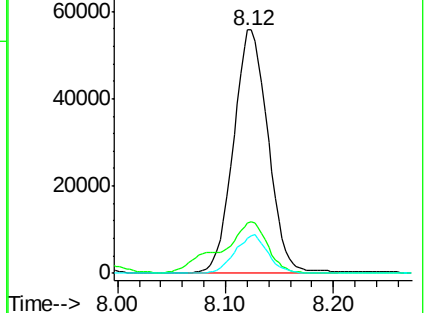
87 14.9 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)



#44

Trichloroethene

Concen: 19.673 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061479.D

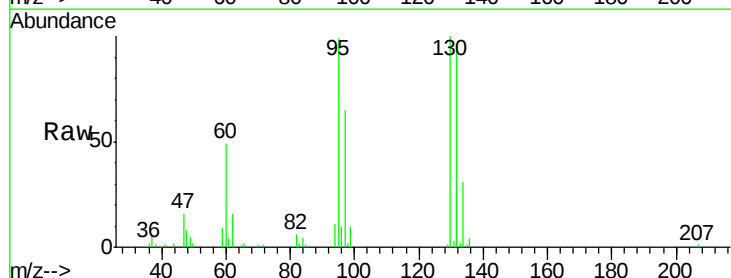
Acq: 19 May 2020 13:24

Tgt Ion: 130 Resp: 68173

Ion Ratio Lower Upper

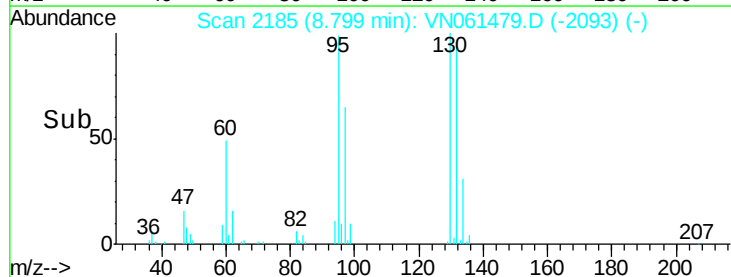
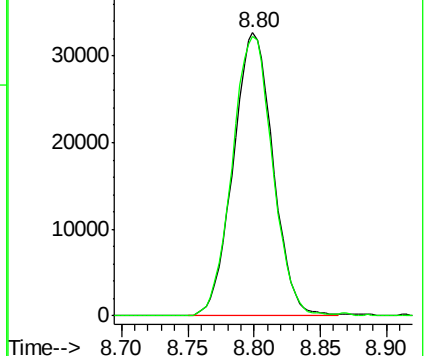
130 100

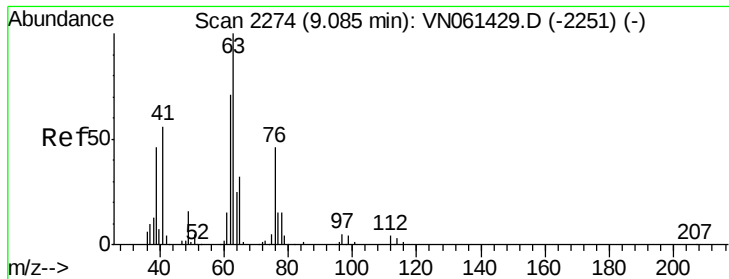
95 98.7 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)





#45

1,2-Dichloropropane

Concen: 18.818 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

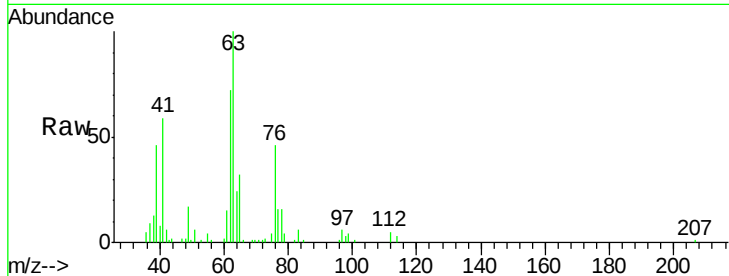
VN0519WBSD01

Tot Ion: 63 Resp: 62292

Ion Ratio Lower Upper

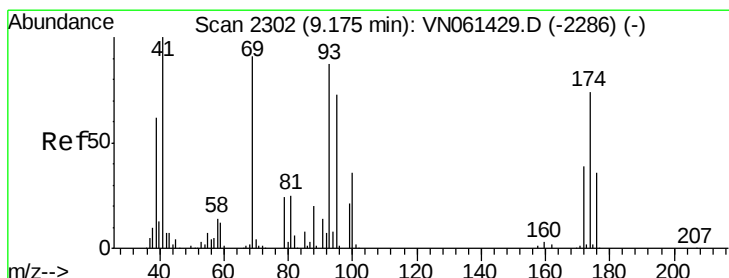
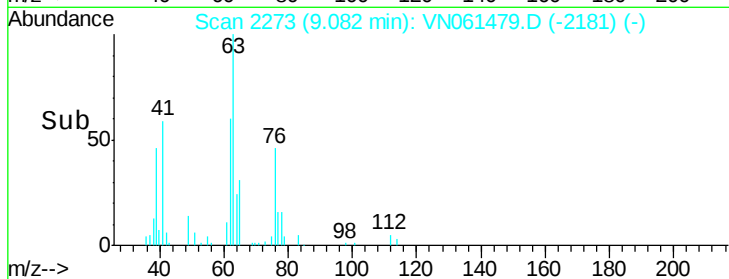
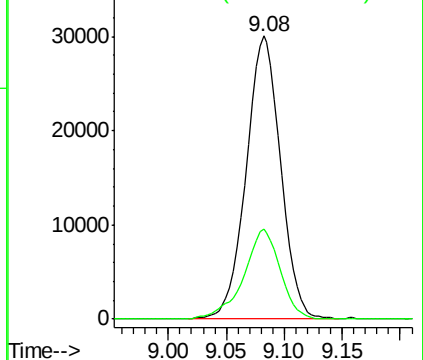
63 100

65 31.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.541 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

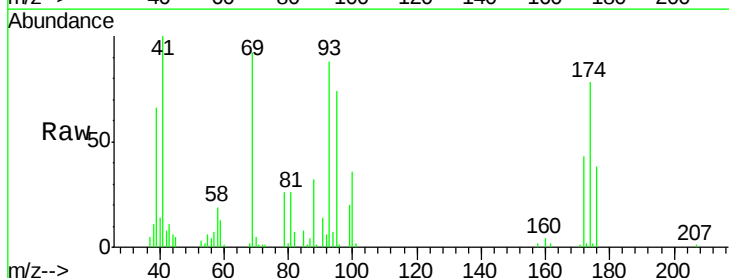
Tgt Ion: 93 Resp: 45347

Ion Ratio Lower Upper

93 100

95 83.6 65.6 98.4

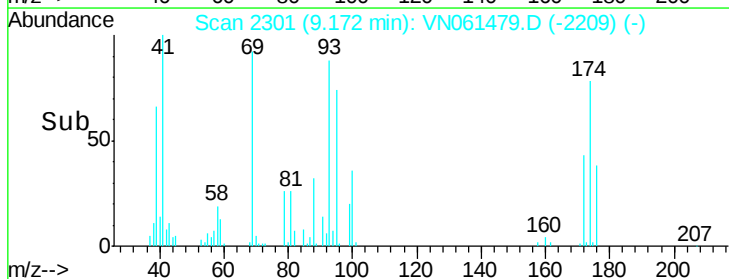
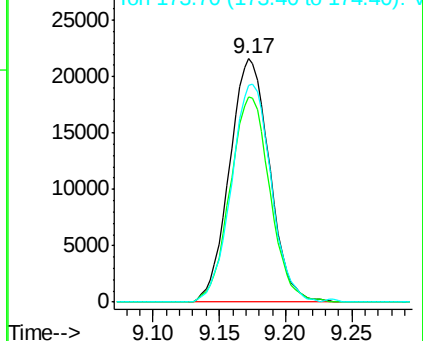
174 88.4 68.0 102.0

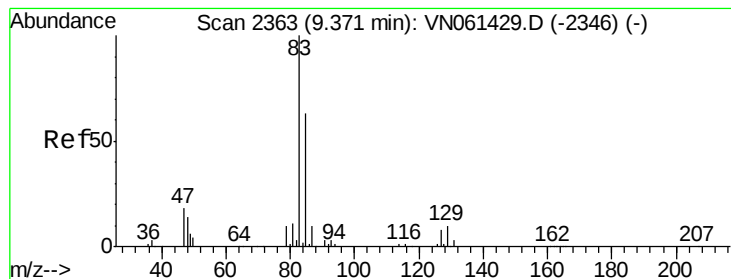


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.042 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

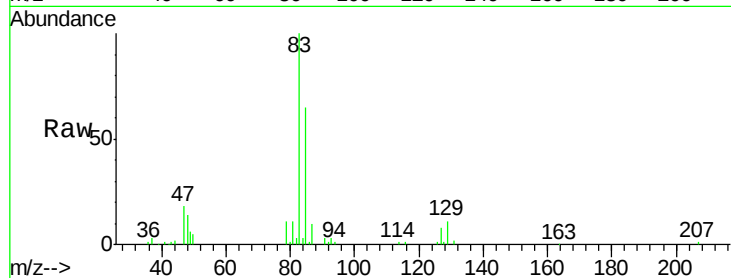
Tot Ion: 83 Resp: 93102

Ion Ratio Lower Upper

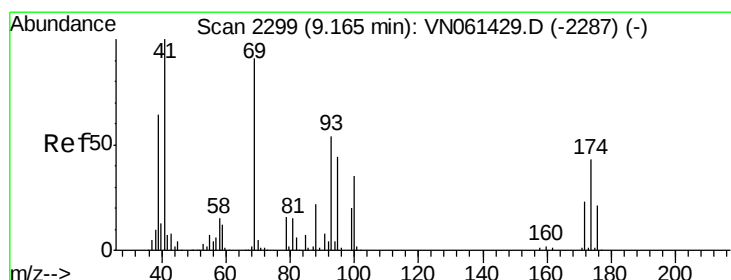
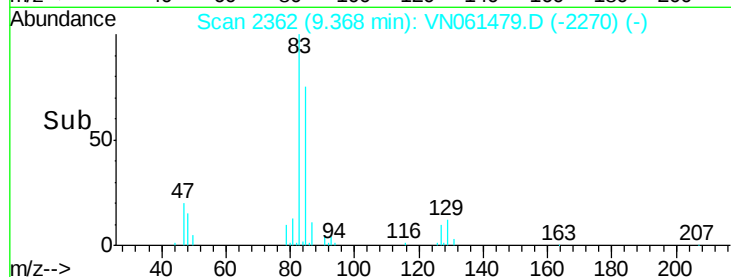
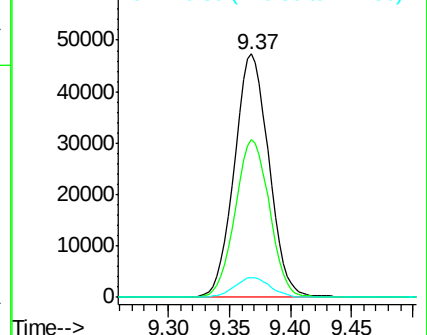
83 100

85 64.7 50.6 76.0

127 8.3 6.1 9.1



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: 17.781 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

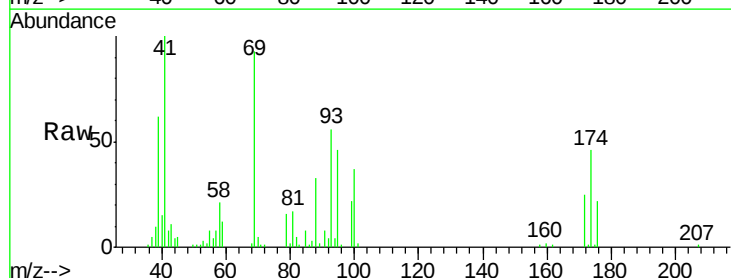
Tgt Ion: 41 Resp: 57018

Ion Ratio Lower Upper

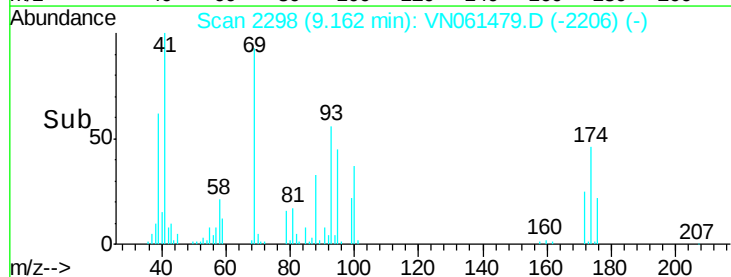
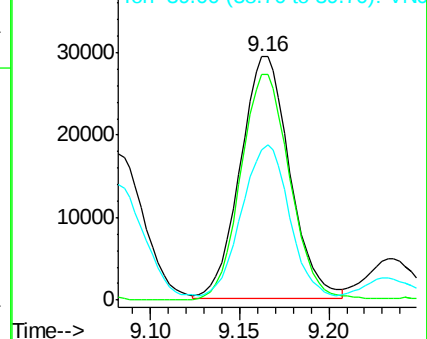
41 100

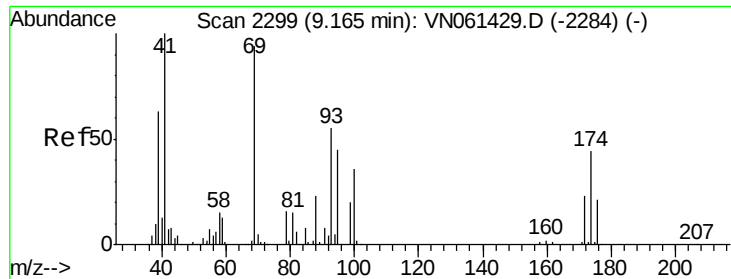
69 92.7 75.3 112.9

39 63.1 52.6 79.0



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

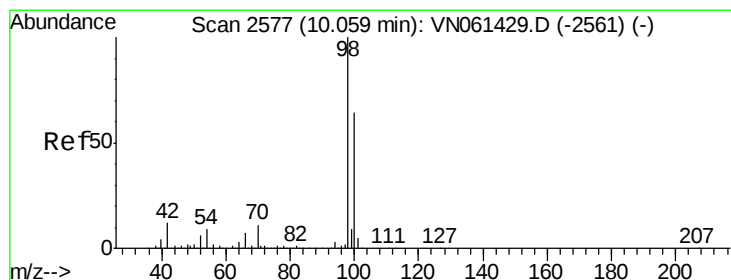
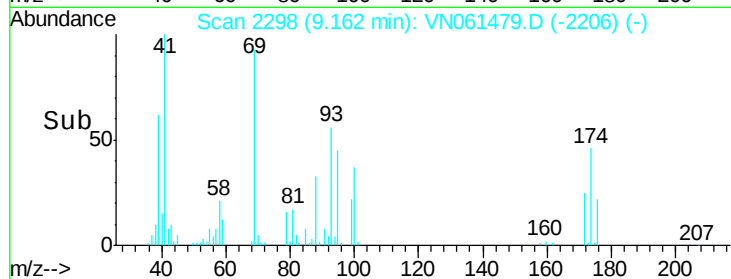
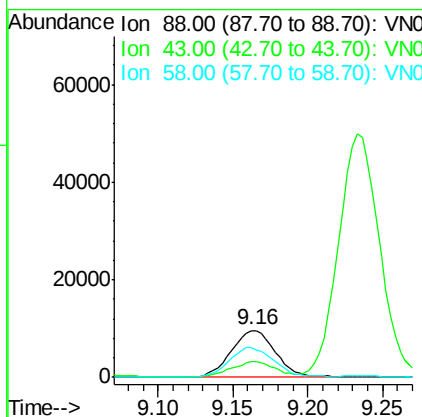
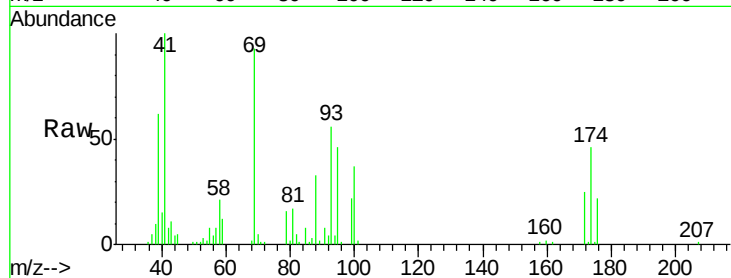




#49
 1,4-Dioxane
 Concen: 569.184 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

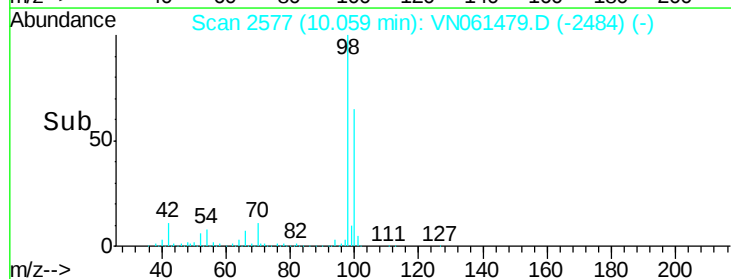
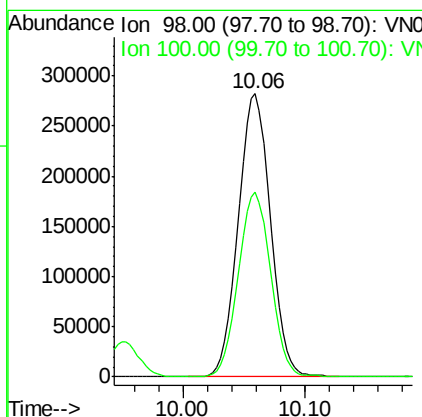
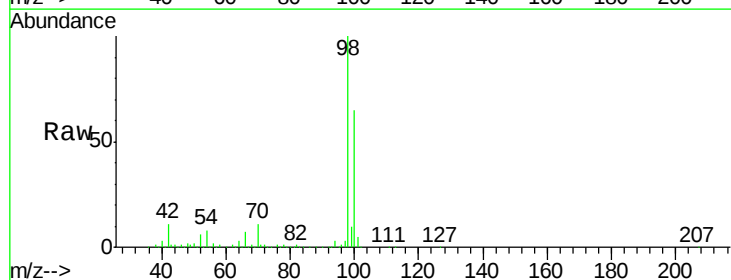
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

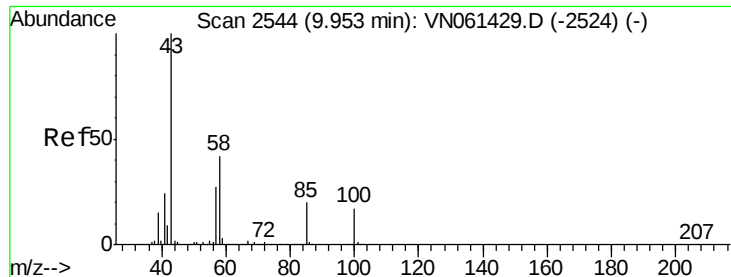
Tot Ion: 88 Resp: 19745
 Ion Ratio Lower Upper
 88 100
 43 33.7 26.3 39.5
 58 64.8 54.1 81.1



#50
 Toluene-d8
 Concen: 45.093 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion: 98 Resp: 514244
 Ion Ratio Lower Upper
 98 100
 100 65.5 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 91.884 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

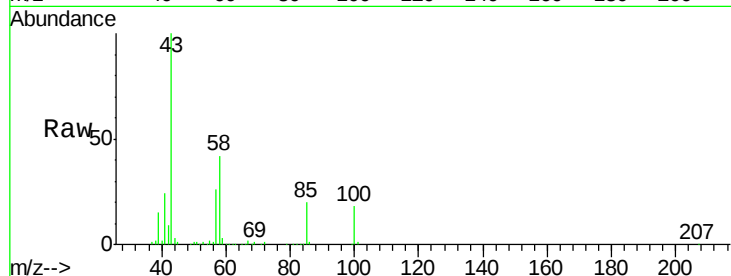
VN0519WBSD01

Tot Ion: 43 Resp: 347447

Ion Ratio Lower Upper

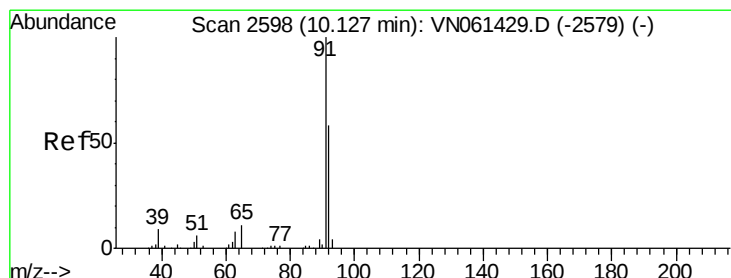
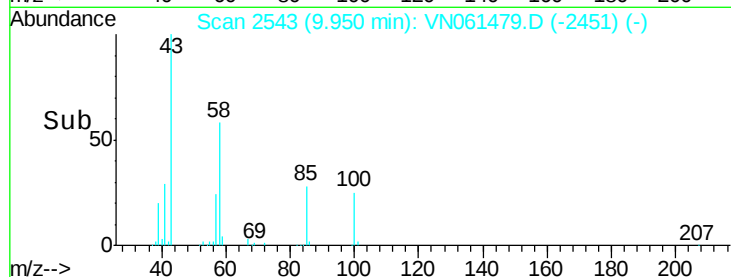
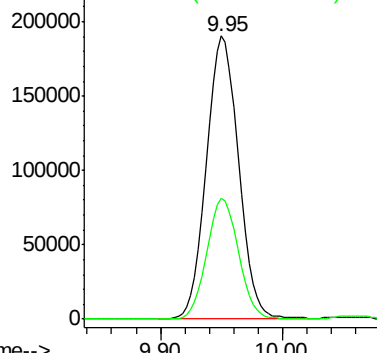
43 100

58 41.9 33.4 50.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.017 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061479.D

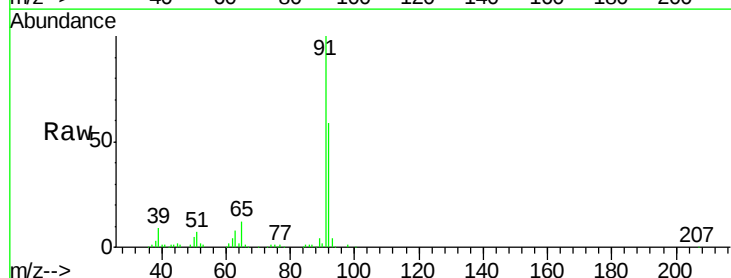
Acq: 19 May 2020 13:24

Tgt Ion: 92 Resp: 161471

Ion Ratio Lower Upper

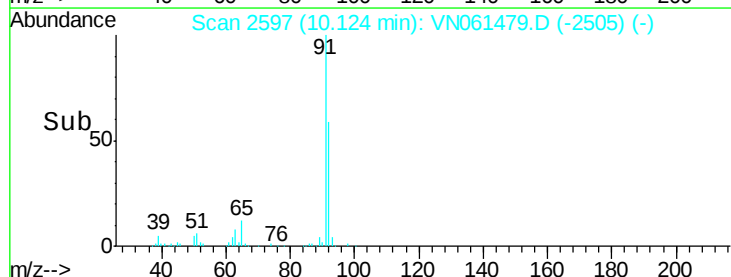
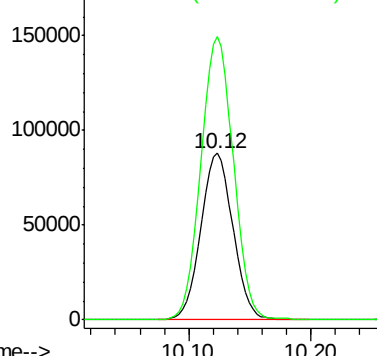
92 100

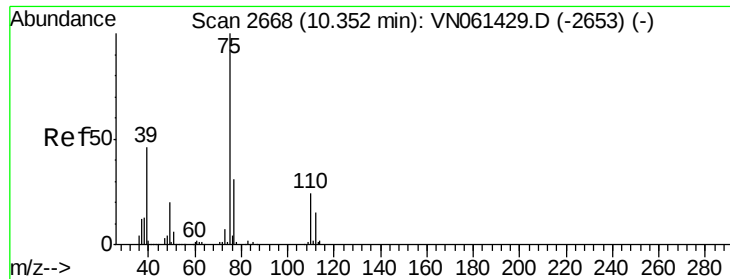
91 171.3 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.077 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

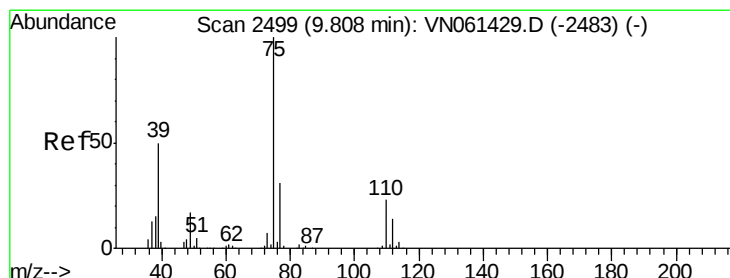
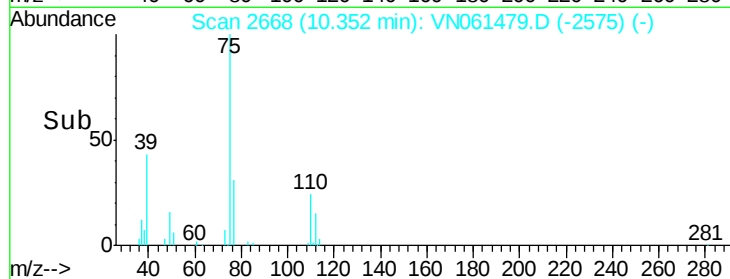
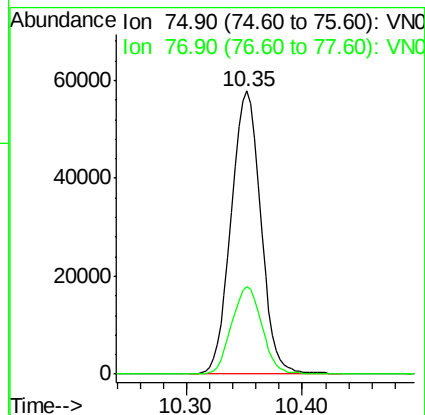
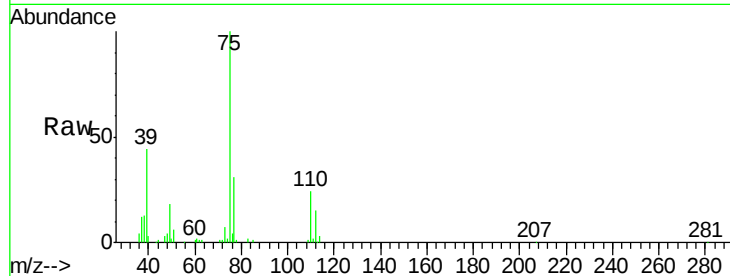
VN0519WBSD01

Tot Ion: 75 Resp: 102232

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 18.824 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

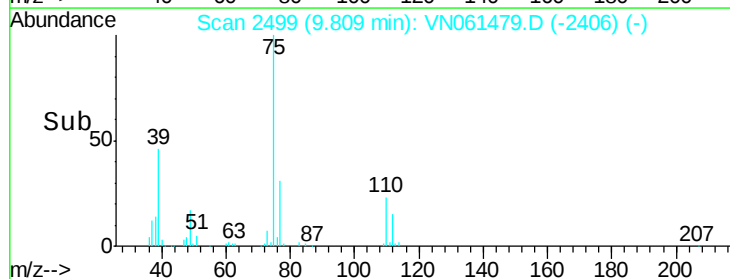
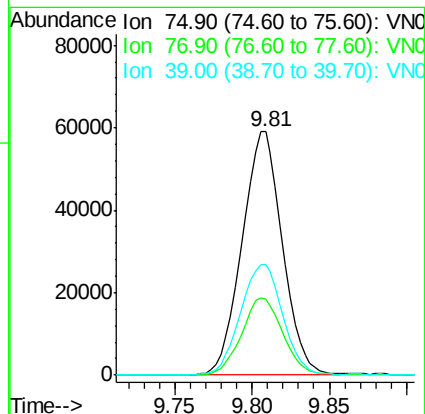
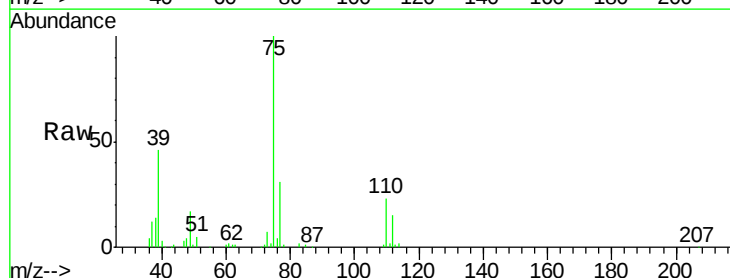
Tgt Ion: 75 Resp: 107236

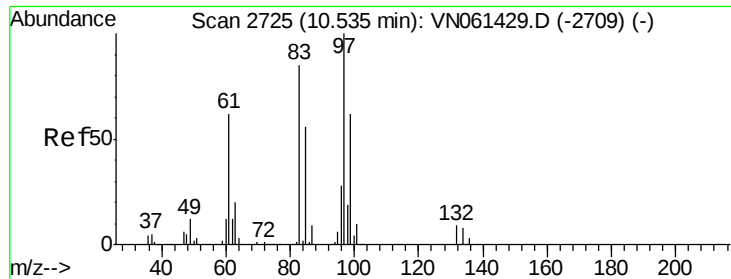
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 45.5 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 19.922 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

Tot Ion: 97 Resp: 63950

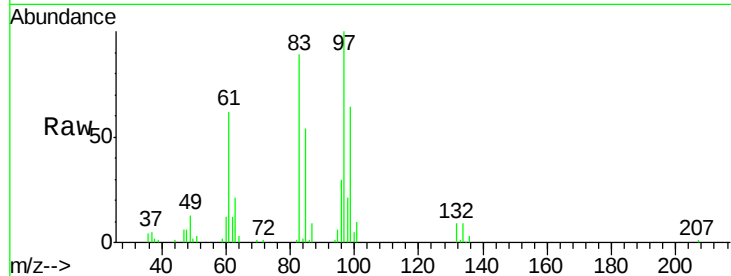
Ion Ratio Lower Upper

97 100

83 88.7 68.2 102.4

85 54.4 44.6 67.0

99 64.2 49.5 74.3

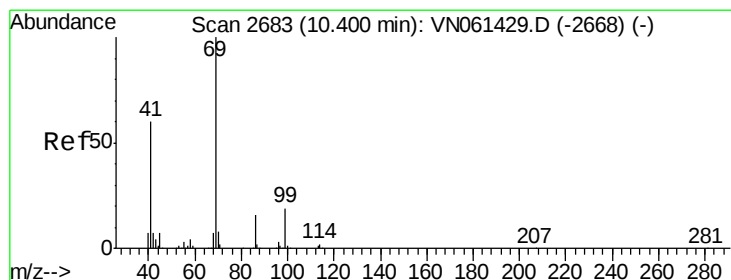
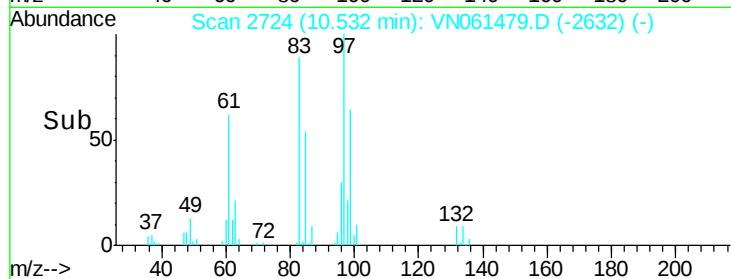
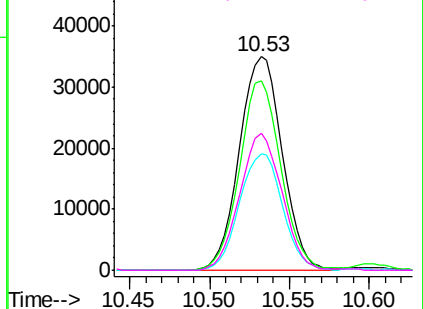


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.602 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

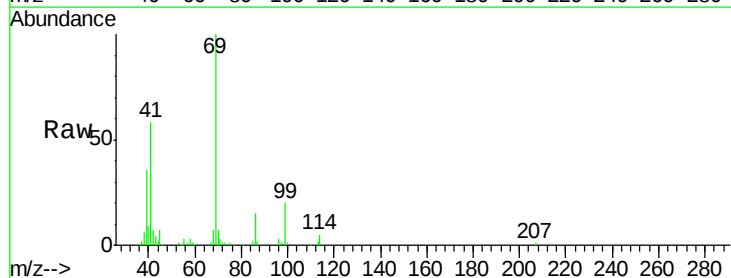
Tgt Ion: 69 Resp: 93357

Ion Ratio Lower Upper

69 100

41 60.5 48.3 72.5

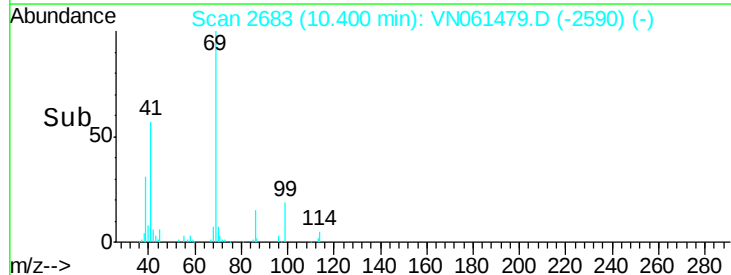
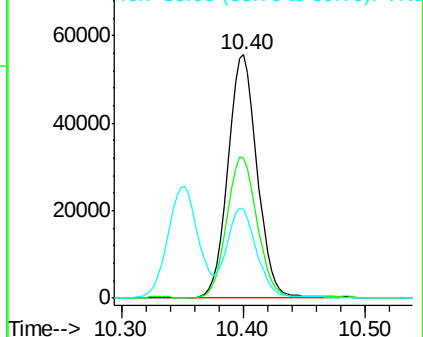
39 37.0 30.2 45.2

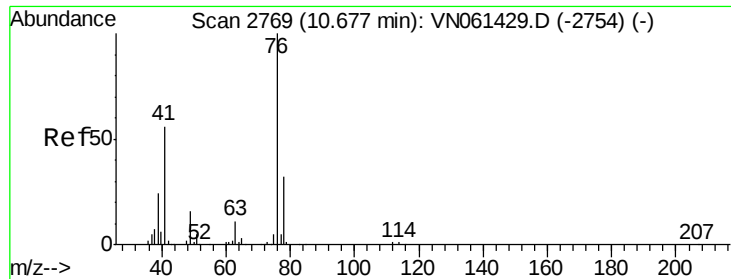


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

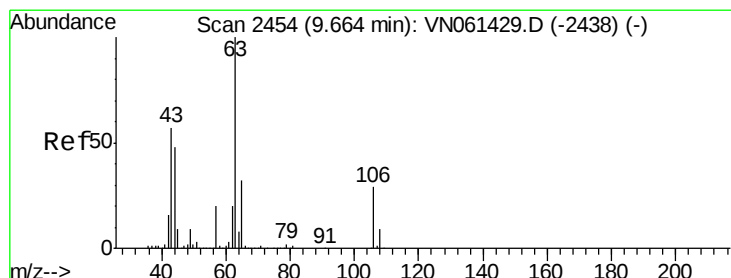
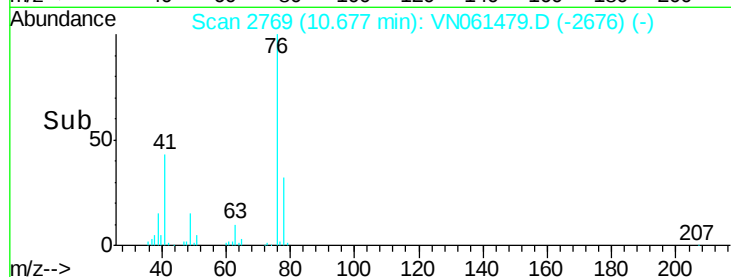
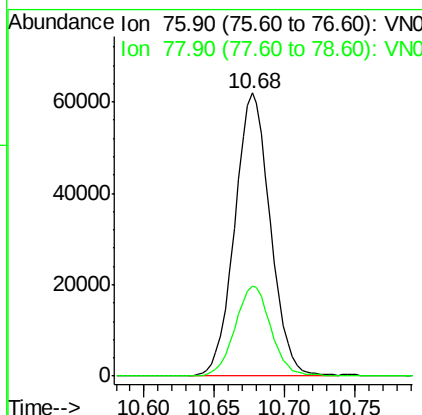
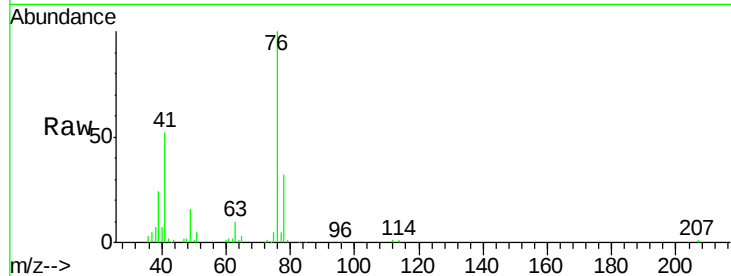




#57
 1,3-Dichloropropane
 Concen: 19.721 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

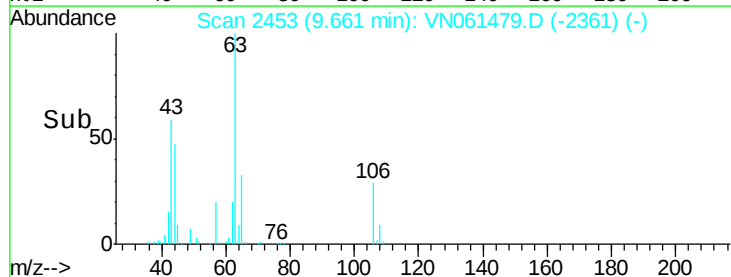
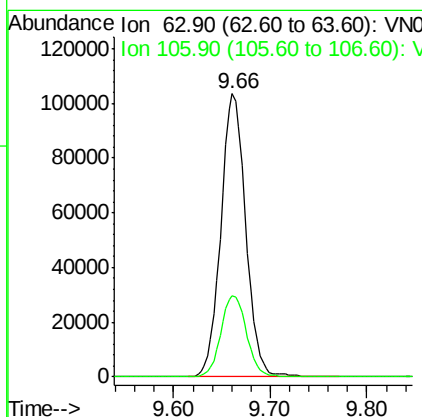
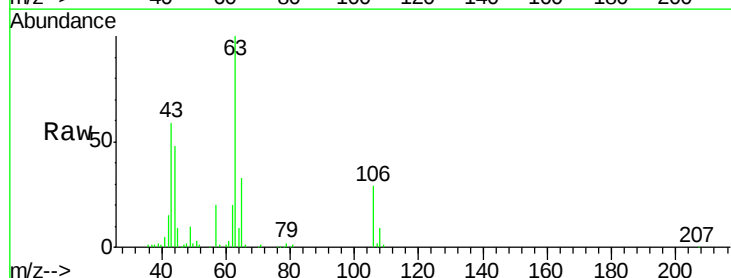
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

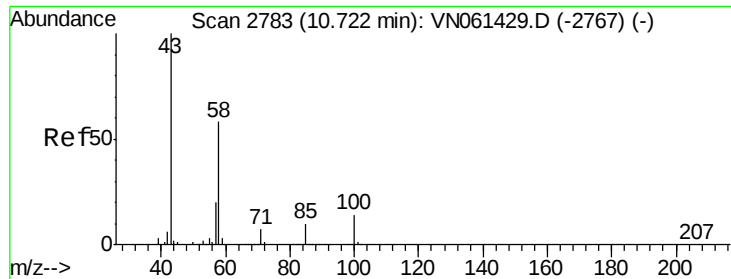
Tot Ion: 76 Resp: 109402
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.028 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion: 63 Resp: 185099
 Ion Ratio Lower Upper
 63 100
 106 29.7 22.7 34.1

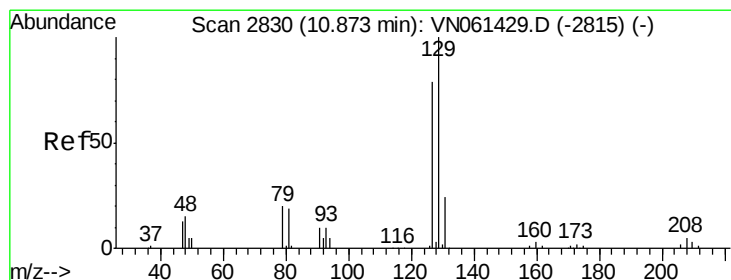
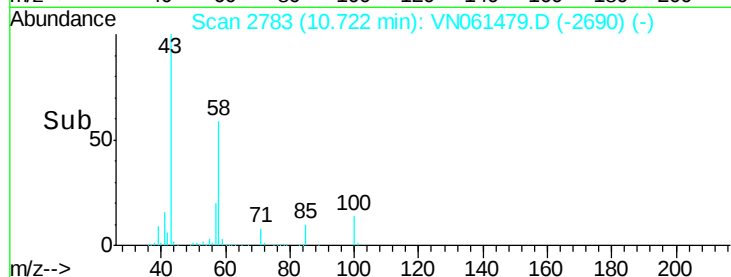
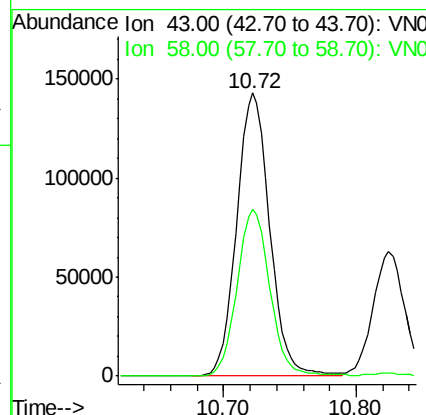
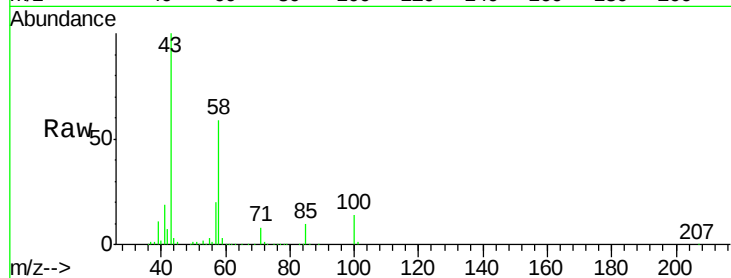




#59
2-Hexanone
Concen: 90.019 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

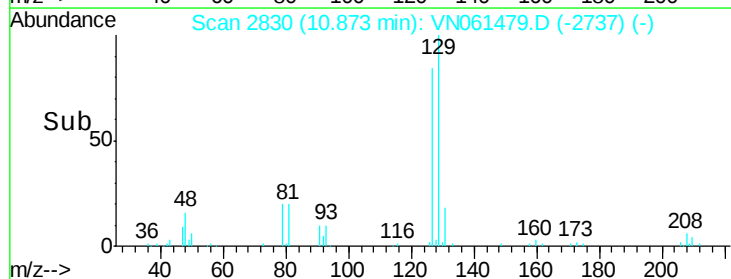
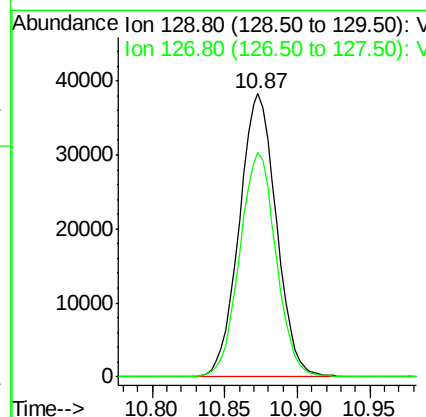
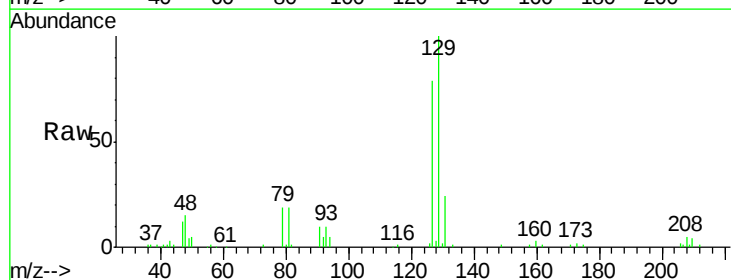
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

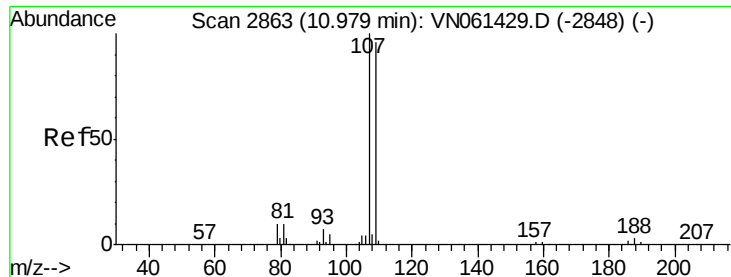
Tot Ion: 43 Resp: 246271
Ion Ratio Lower Upper
43 100
58 58.7 29.2 87.6



#60
Dibromochloromethane
Concen: 19.178 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion: 129 Resp: 68097
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.3

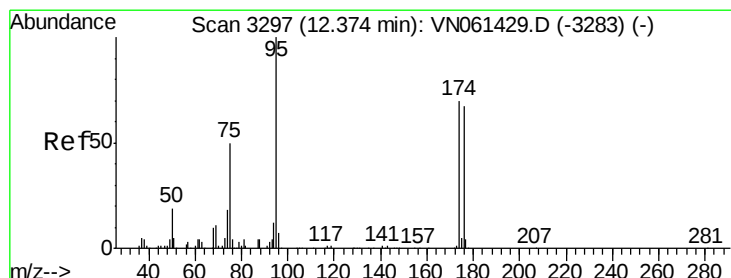
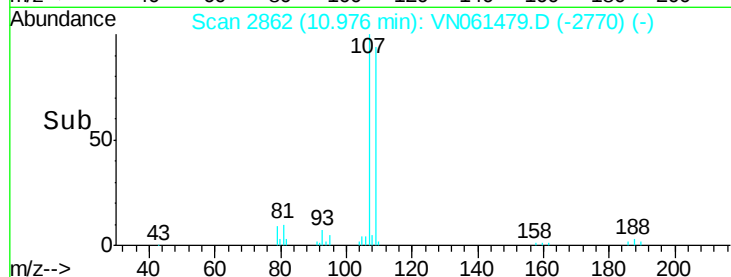
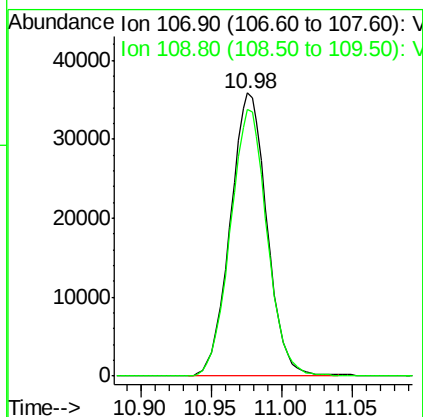
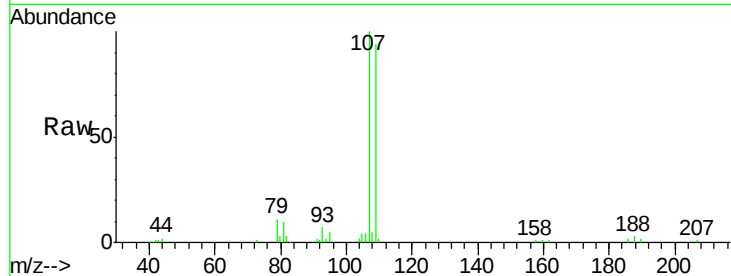




#61
 1,2-Dibromoethane
 Concen: 19.290 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

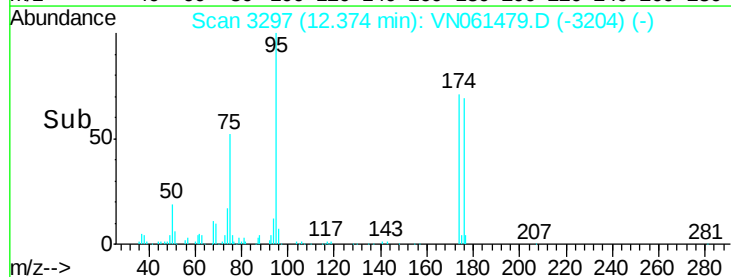
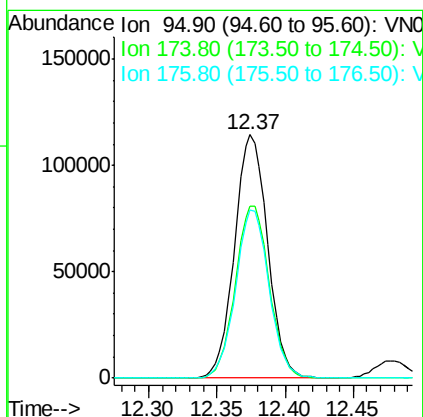
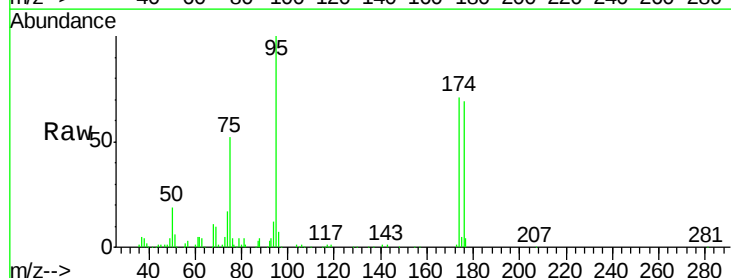
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

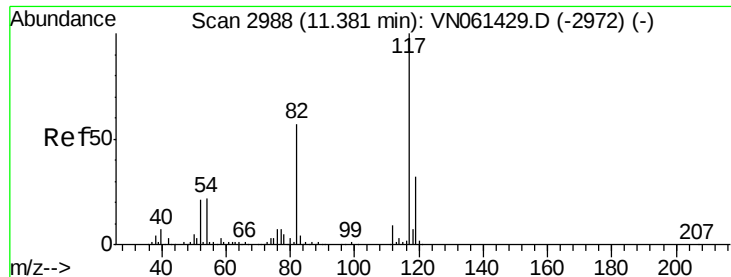
Tot Ion:107 Resp: 65108
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 45.229 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion: 95 Resp: 192707
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 141.2
 176 69.8 0.0 137.6

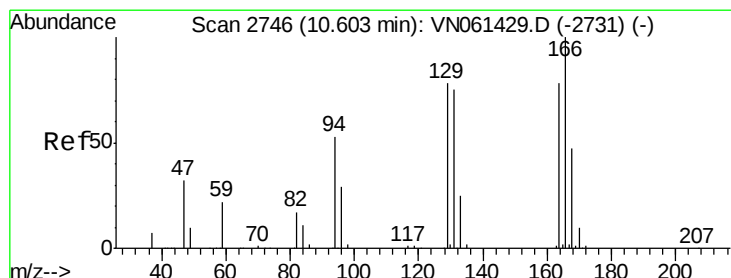
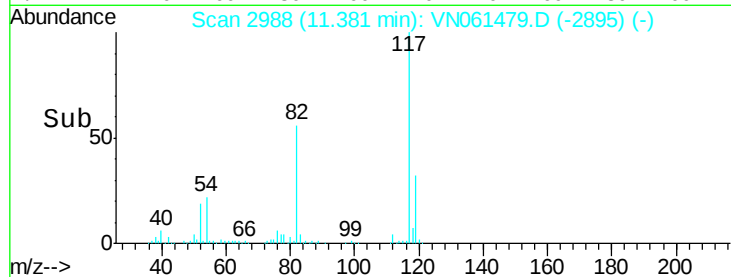
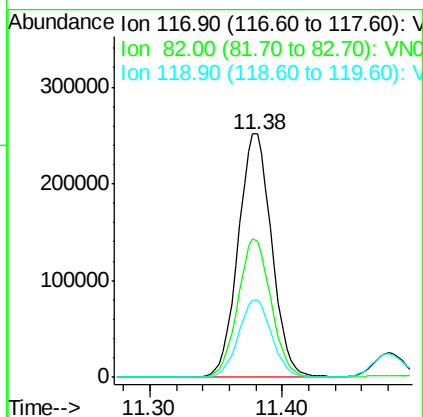
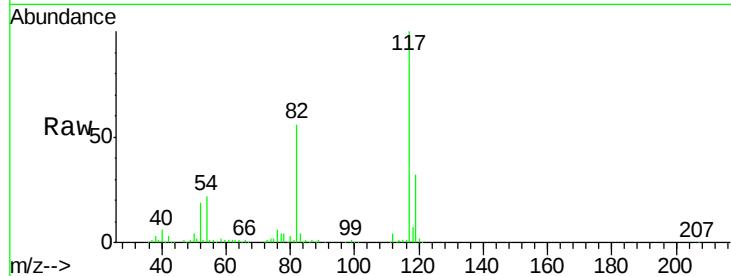




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

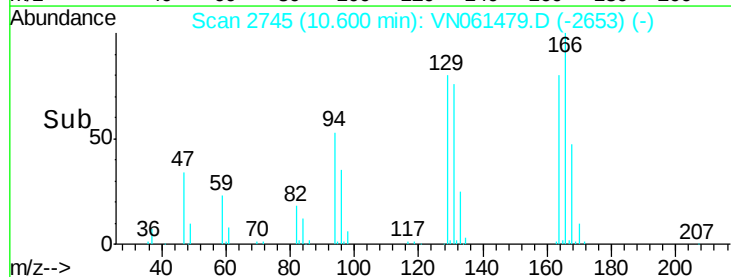
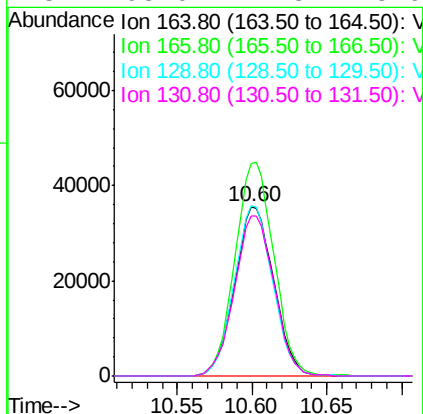
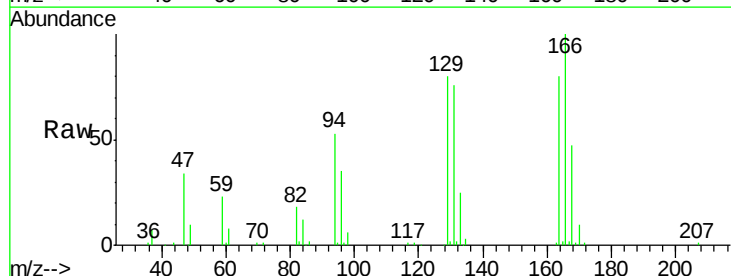
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

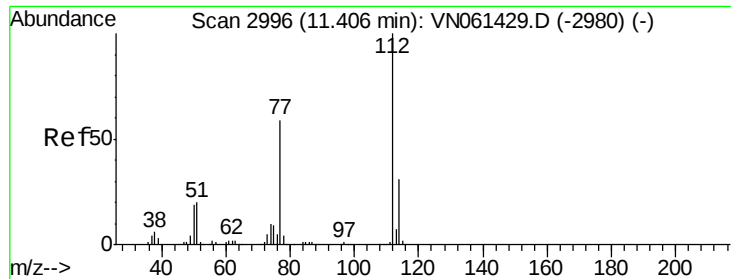
Tot Ion:117 Resp: 440982
Ion Ratio Lower Upper
117 100
82 55.9 45.2 67.8
119 31.9 25.3 37.9



#64
Tetrachloroethene
Concen: 18.862 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion:164 Resp: 64349
Ion Ratio Lower Upper
164 100
166 125.4 103.2 154.8
129 100.9 81.0 121.4
131 95.0 77.3 115.9





#65

Chlorobenzene

Concen: 19.056 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

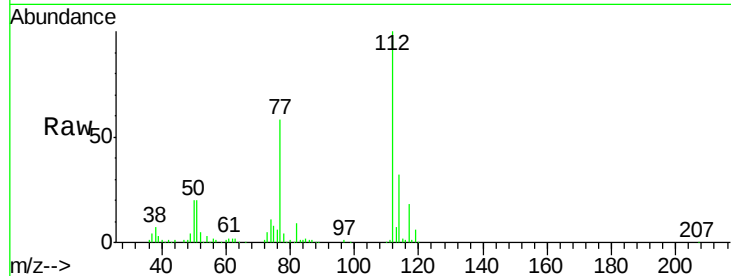
VN0519WBSD01

Tot Ion:112 Resp: 171366

Ion Ratio Lower Upper

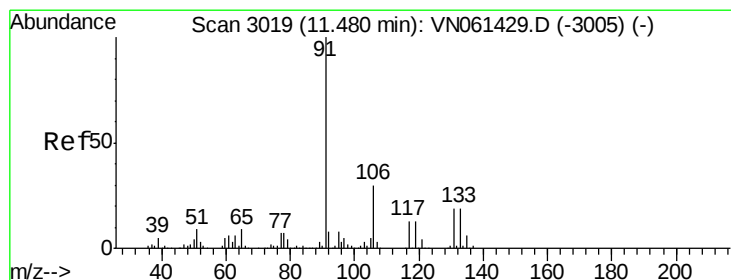
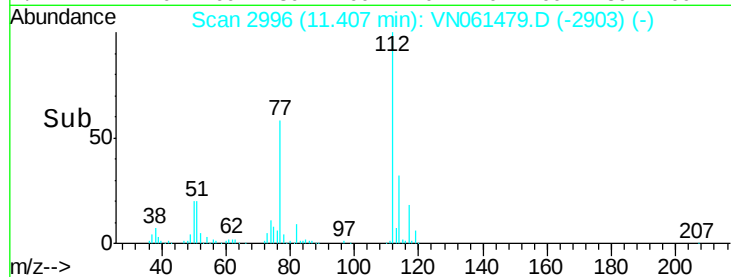
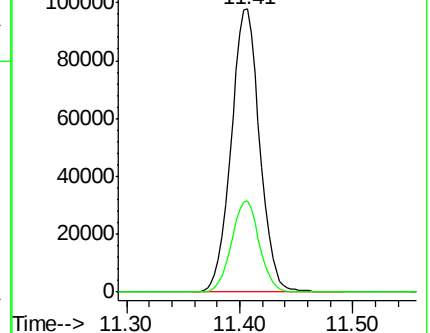
112 100

114 32.3 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.839 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

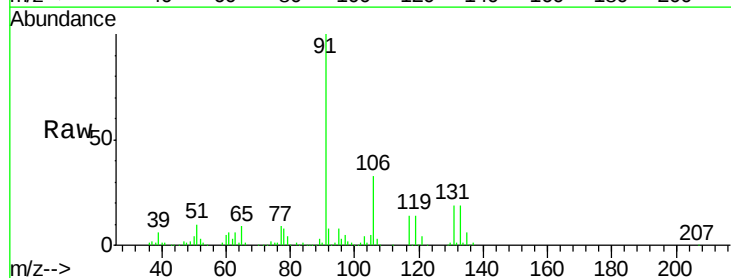
Tgt Ion:131 Resp: 60736

Ion Ratio Lower Upper

131 100

133 97.5 48.7 146.1

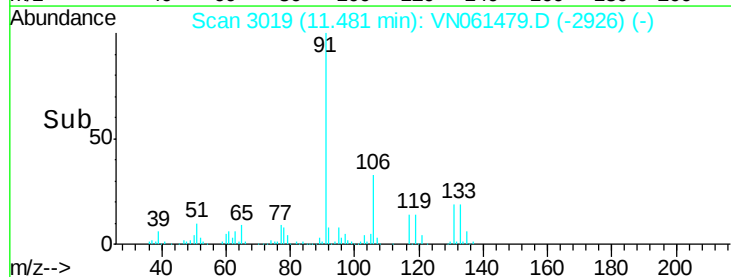
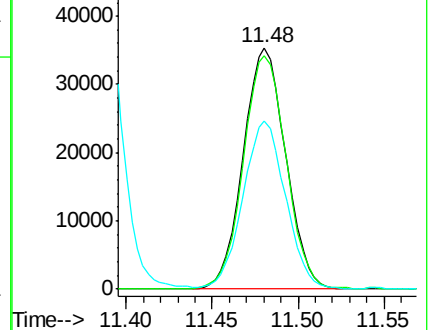
119 70.0 33.8 101.3

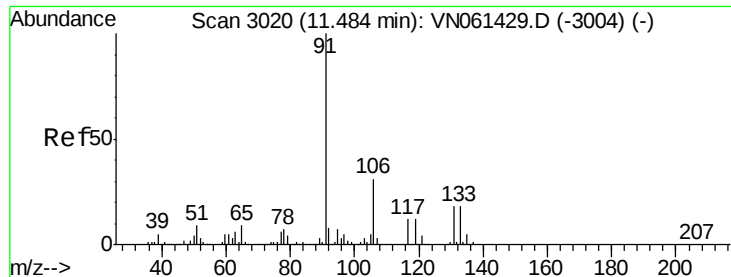


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

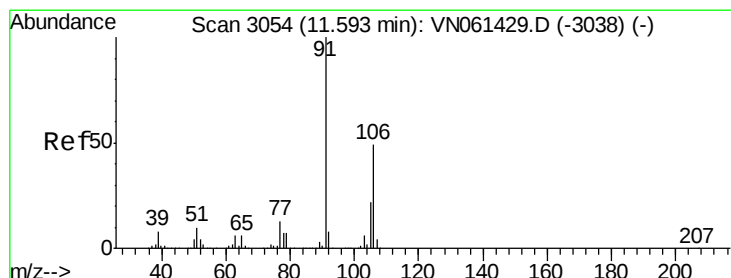
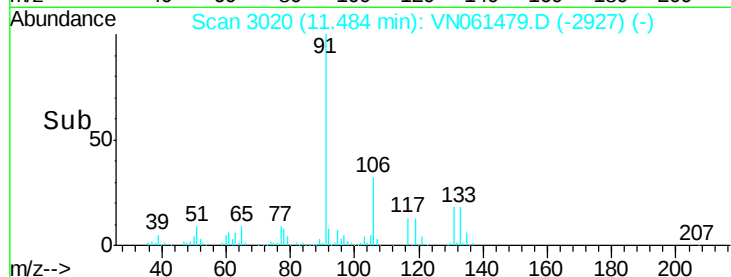
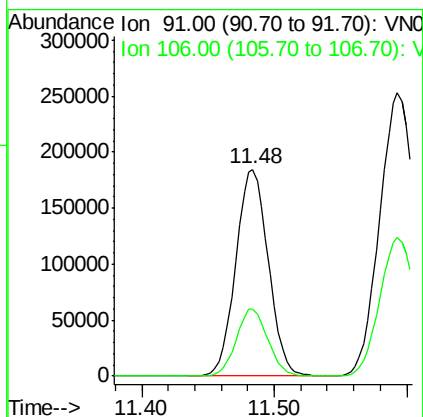
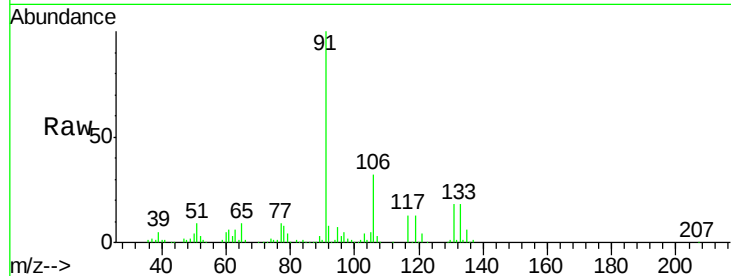




#67
Ethyl Benzene
Concen: 19.182 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

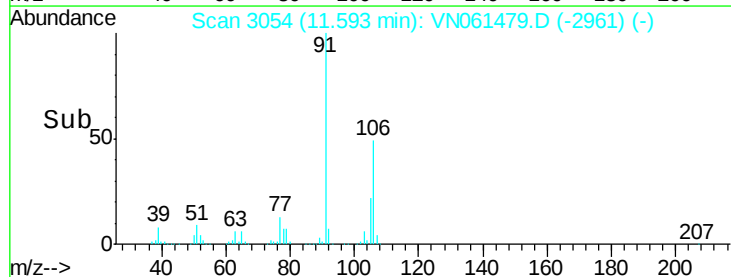
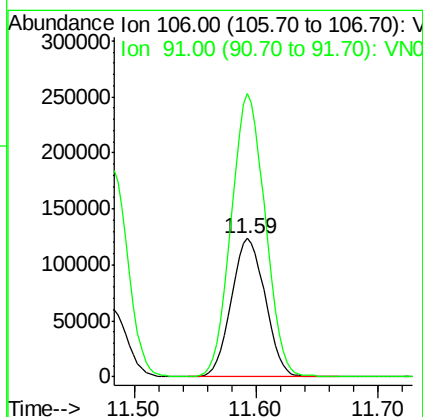
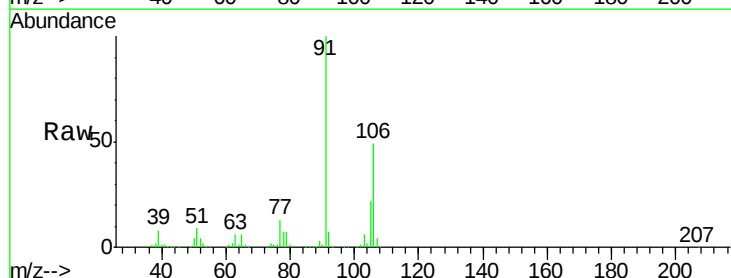
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

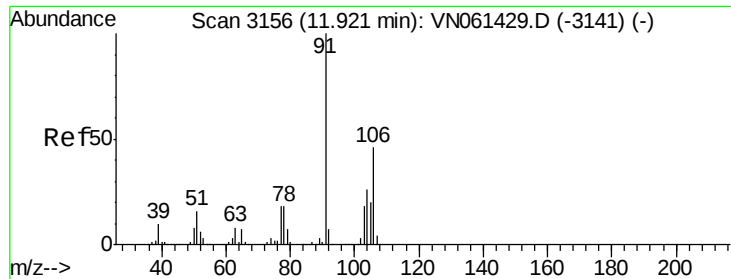
Tot Ion: 91 Resp: 314878
Ion Ratio Lower Upper
91 100
106 32.5 24.6 36.8



#68
m/p-Xylenes
Concen: 38.269 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion: 106 Resp: 238441
Ion Ratio Lower Upper
106 100
91 204.5 163.0 244.6

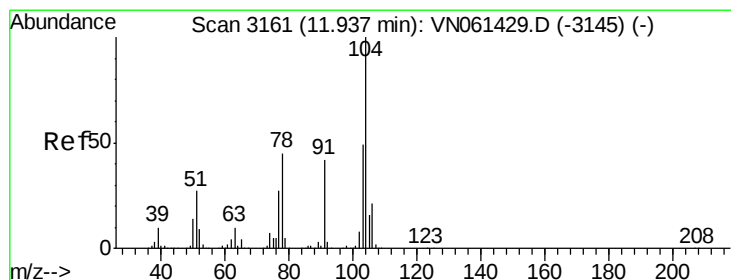
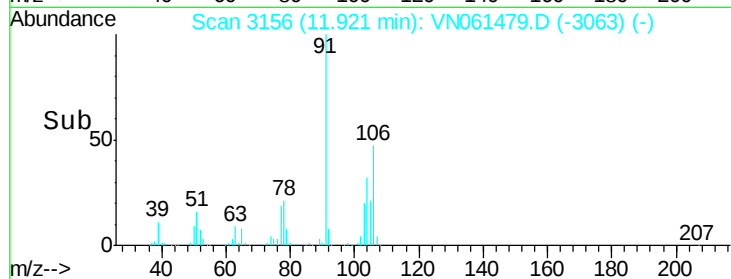
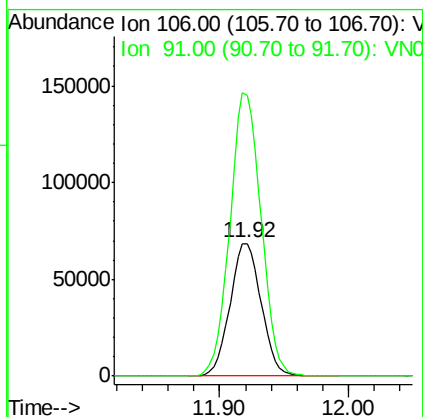
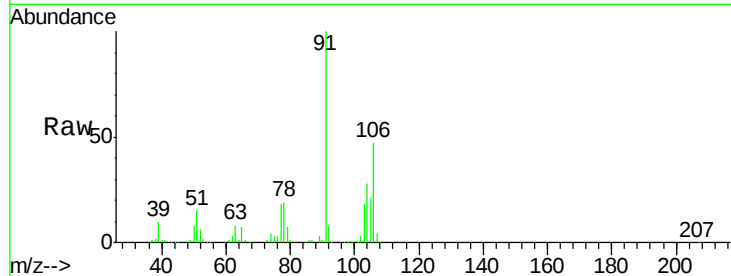




#69
o-Xylene
Concen: 19.086 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

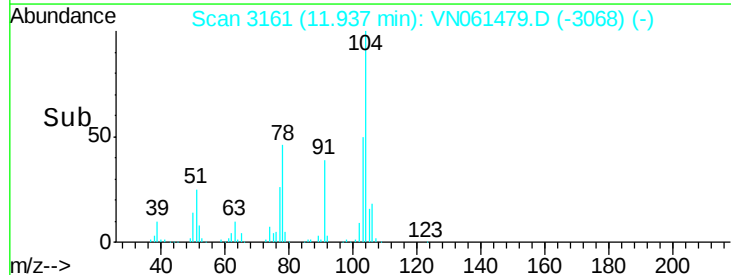
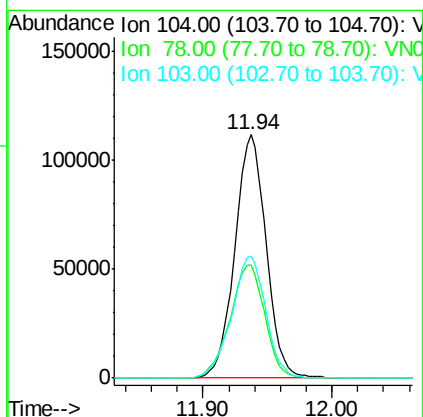
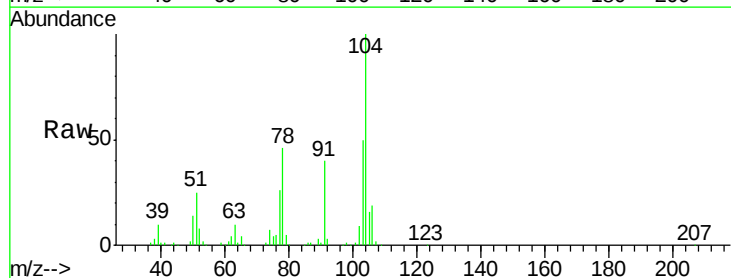
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

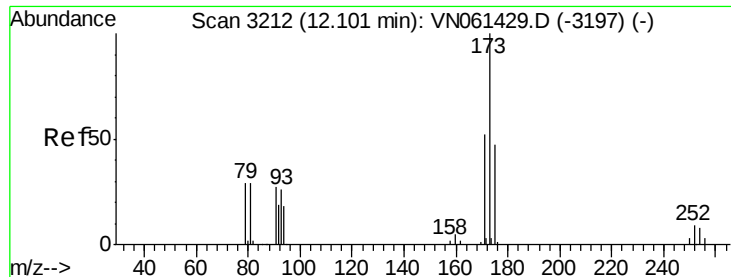
Tot Ion:106 Resp: 115081
Ion Ratio Lower Upper
106 100
91 213.2 107.9 323.7



#70
Styrene
Concen: 18.857 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion:104 Resp: 188280
Ion Ratio Lower Upper
104 100
78 51.5 40.7 61.1
103 54.6 43.0 64.4





#71

Bromoform

Concen: 17.680 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

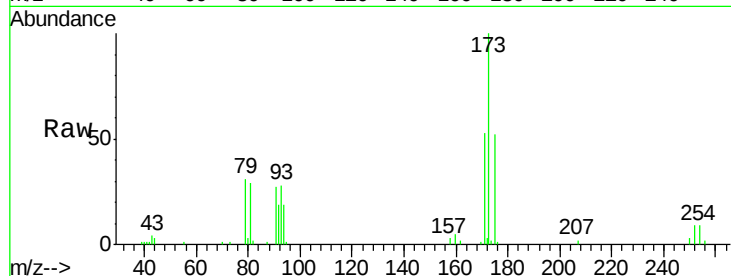
Tot Ion:173 Resp: 40911

Ion Ratio Lower Upper

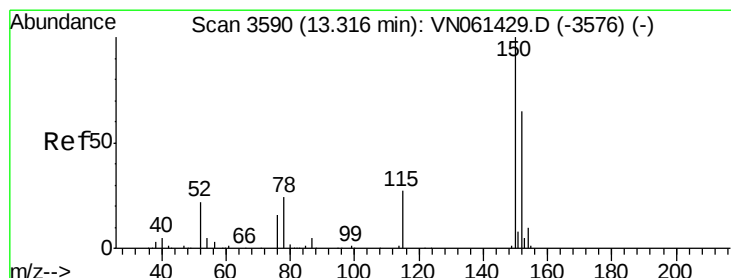
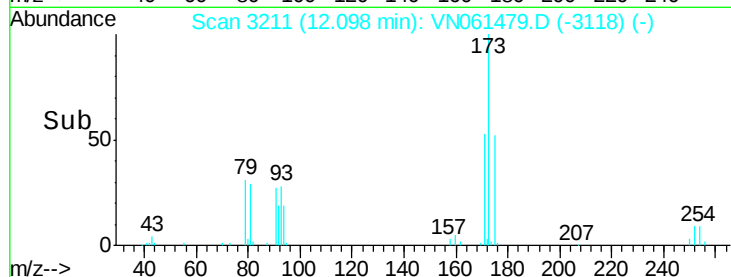
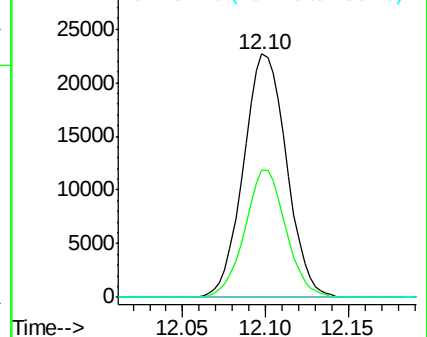
173 100

175 49.6 23.9 71.8

254 0.0 0.0 0.0



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: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

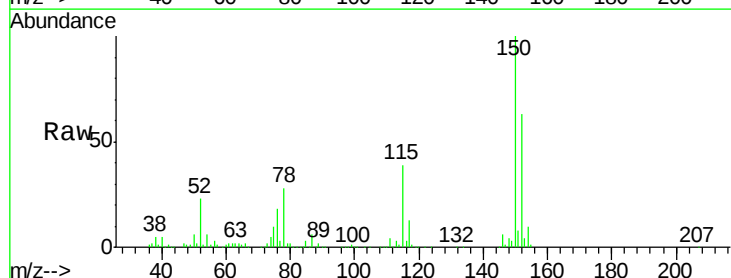
Tgt Ion:152 Resp: 204826

Ion Ratio Lower Upper

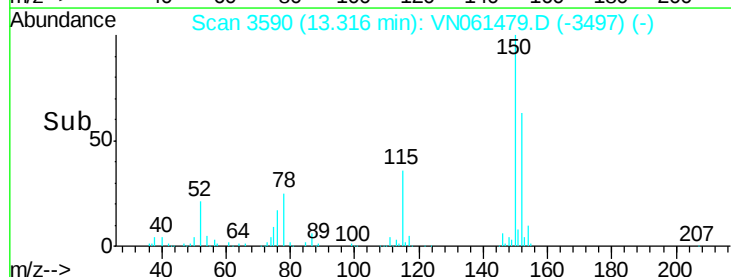
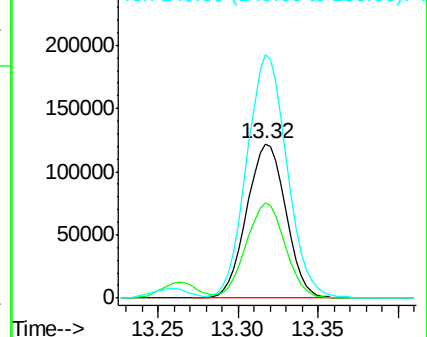
152 100

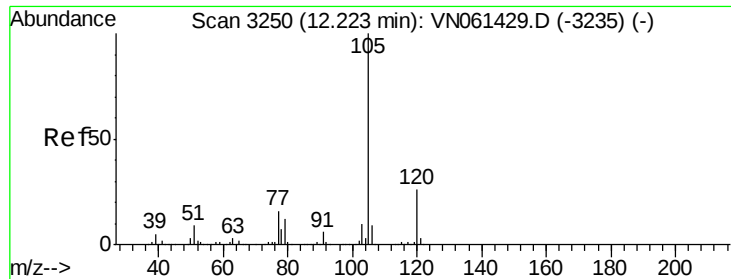
115 61.6 30.9 92.5

150 162.0 0.0 349.2



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: 18.492 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

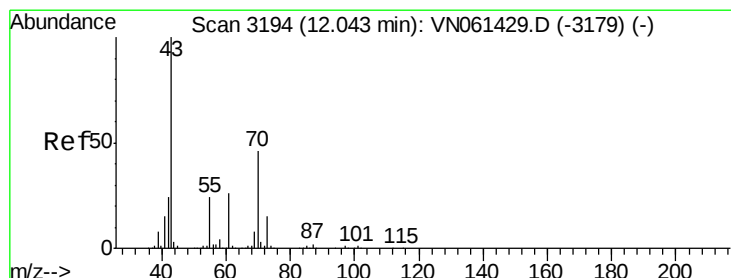
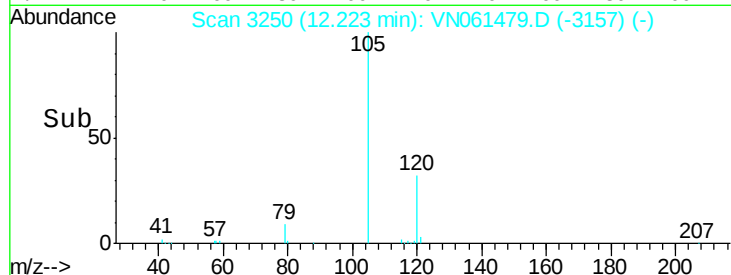
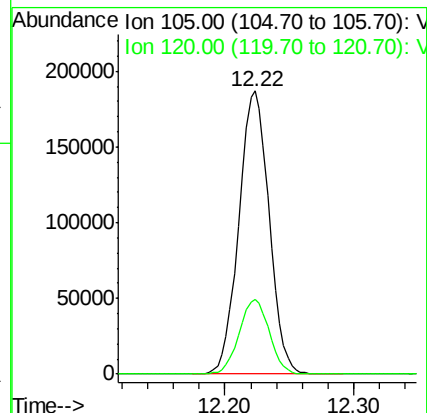
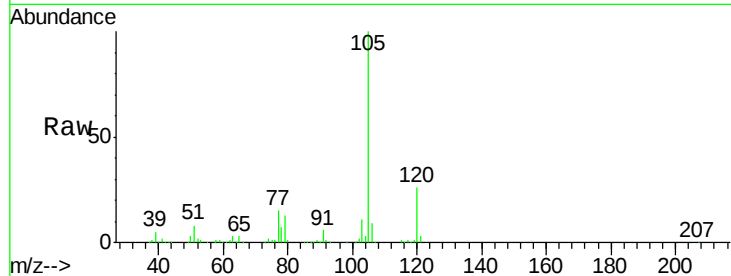
VN0519WBSD01

Tot Ion:105 Resp: 304069

Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0



#74

N-ethyl acetate

Concen: 17.367 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Tgt Ion: 43 Resp: 104527

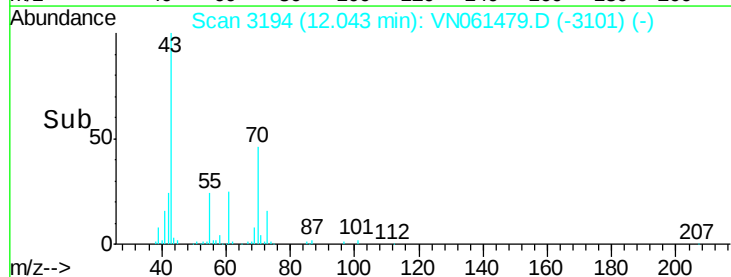
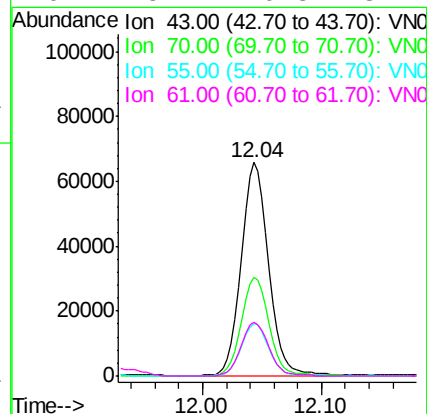
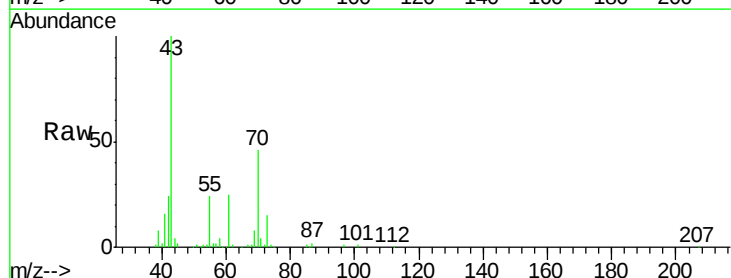
Ion Ratio Lower Upper

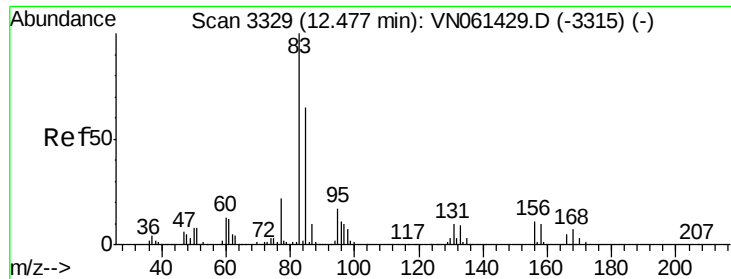
43 100

70 47.1 37.0 55.4

55 25.1 19.5 29.3

61 25.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.826 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

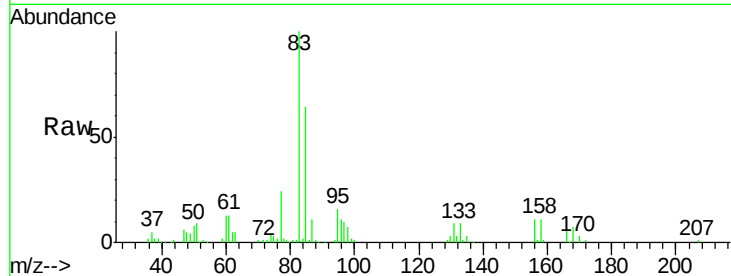
Tot Ion: 83 Resp: 85167

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.4

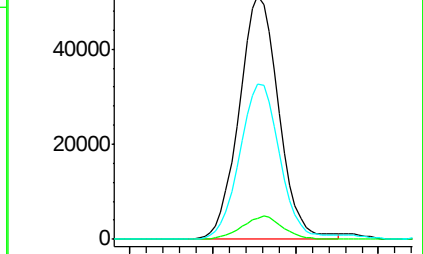
85 64.9 32.1 96.5



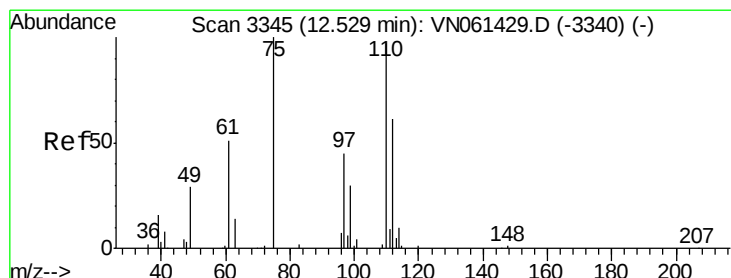
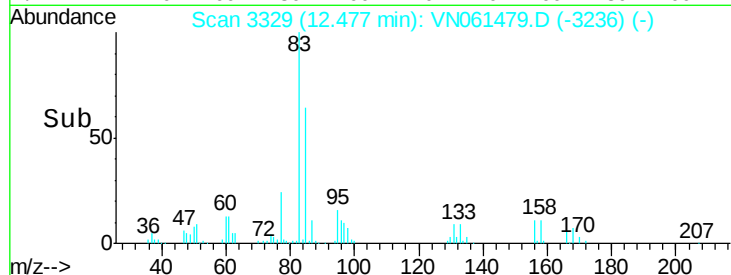
Abundance Ion 82.90 (82.60 to 83.60): VN061479.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN061479.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN061479.D (-3236) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 25.172 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061479.D

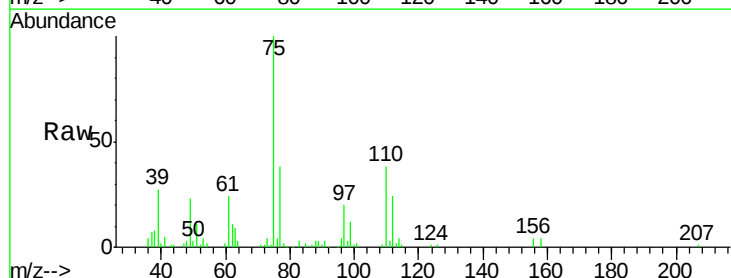
Acq: 19 May 2020 13:24

Tgt Ion: 75 Resp: 110631

Ion Ratio Lower Upper

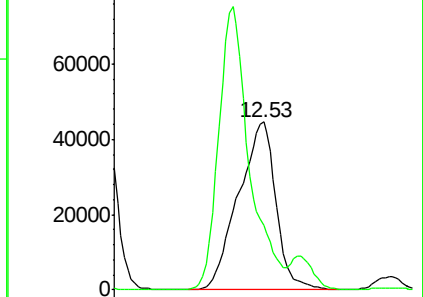
75 100

77 0.0 0.0 0.0

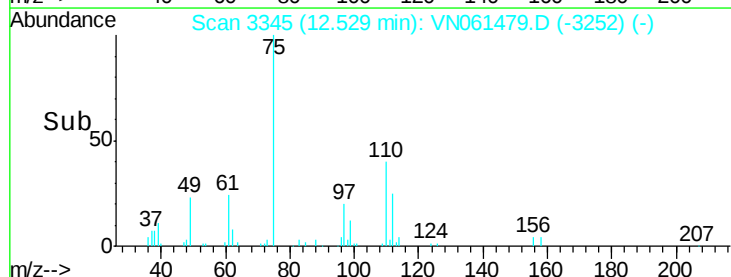


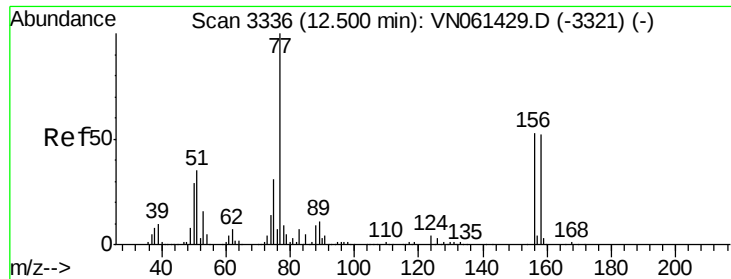
Abundance Ion 74.90 (74.60 to 75.60): VN061479.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061479.D (-3252) (-)



Time-->





#77

Bromobenzene

Concen: 19.265 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

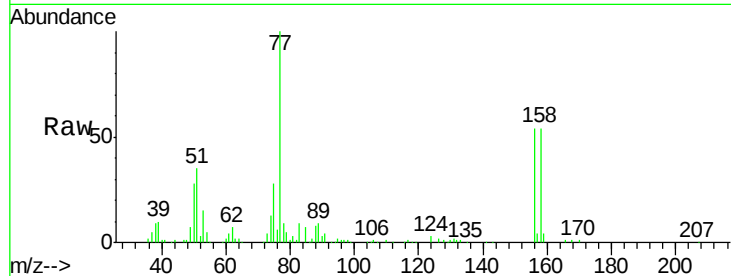
Tot Ion:156 Resp: 68747

Ion Ratio Lower Upper

156 100

77 221.3 112.3 336.9

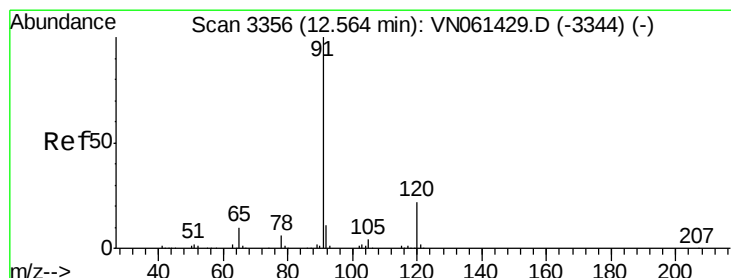
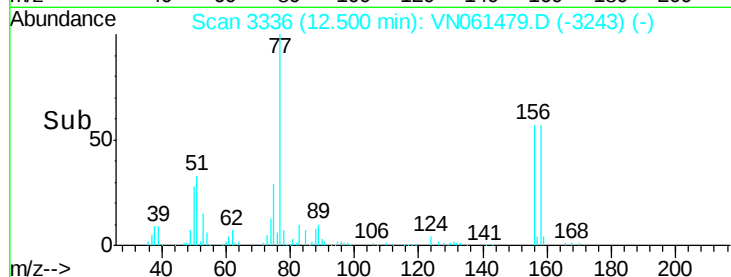
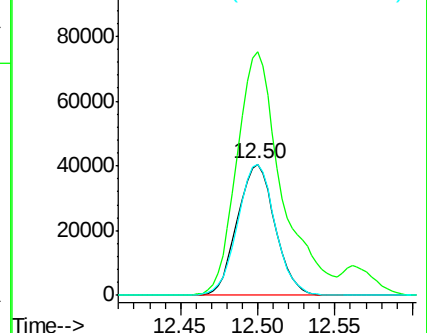
158 99.3 47.9 143.6



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: 18.547 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061479.D

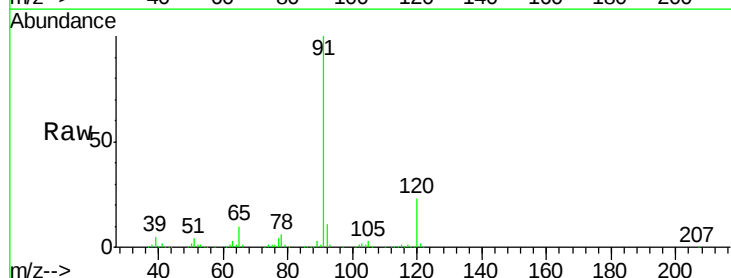
Acq: 19 May 2020 13:24

Tgt Ion: 91 Resp: 347485

Ion Ratio Lower Upper

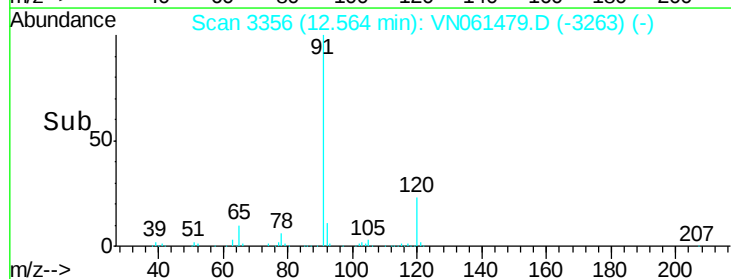
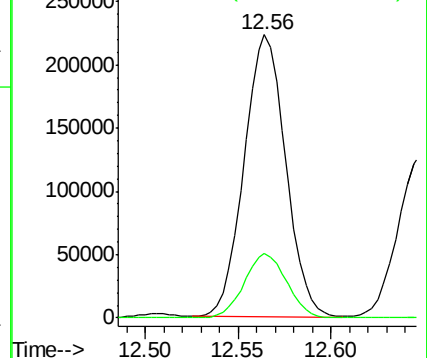
91 100

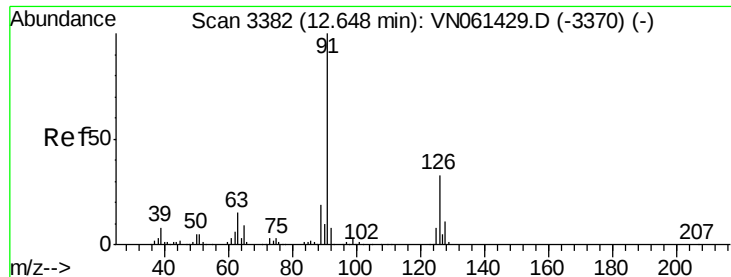
120 23.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

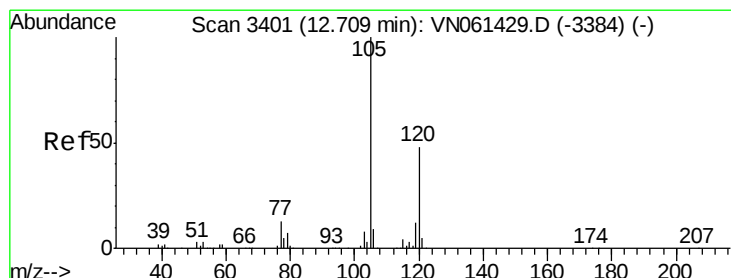
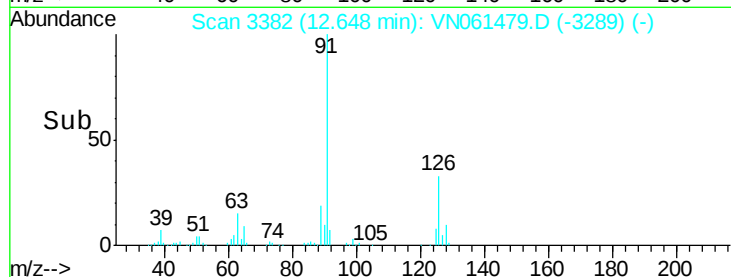
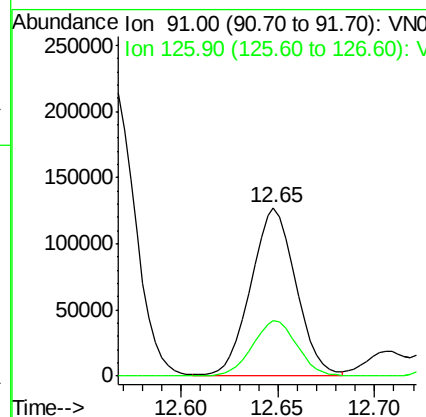
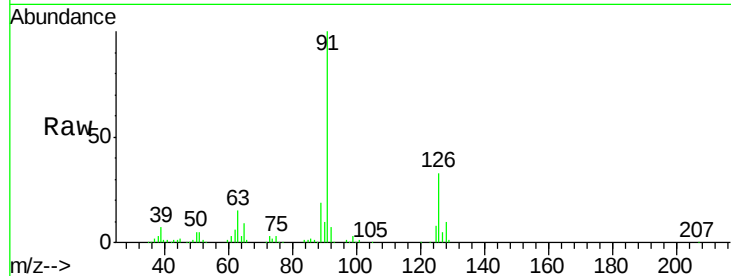




#79
 2-Chlorotoluene
 Concen: 18.397 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

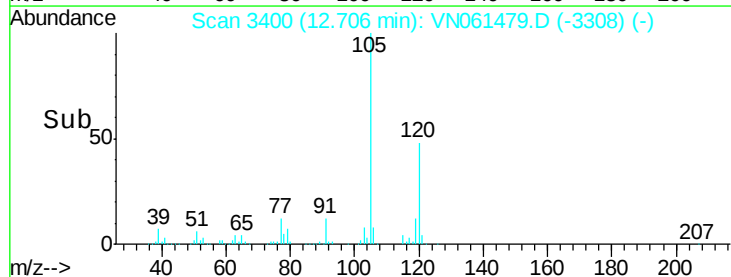
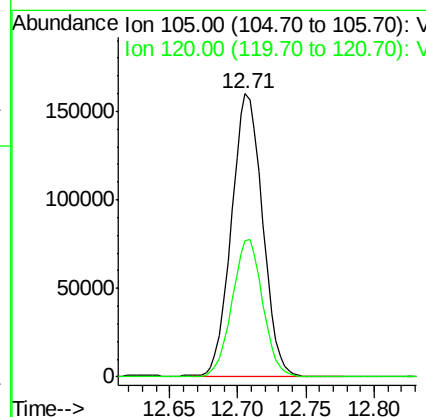
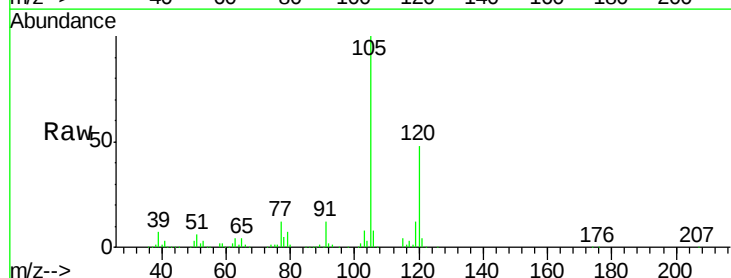
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

Tot Ion: 91 Resp: 203734
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 18.816 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion: 105 Resp: 253334
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.095 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

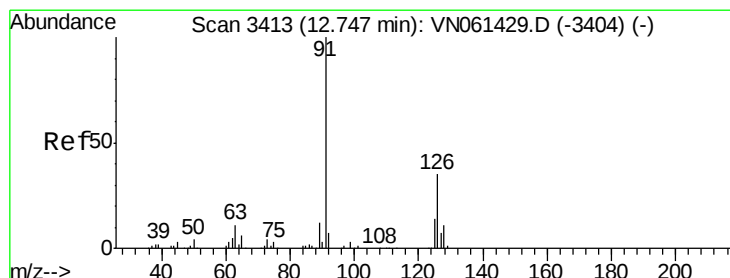
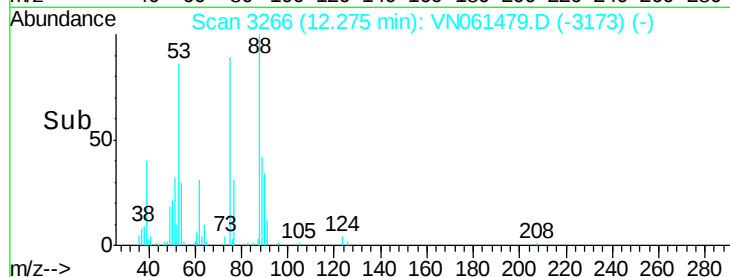
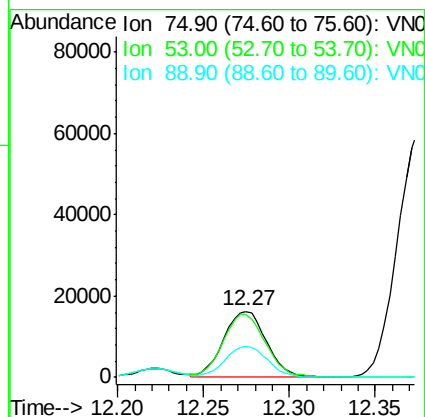
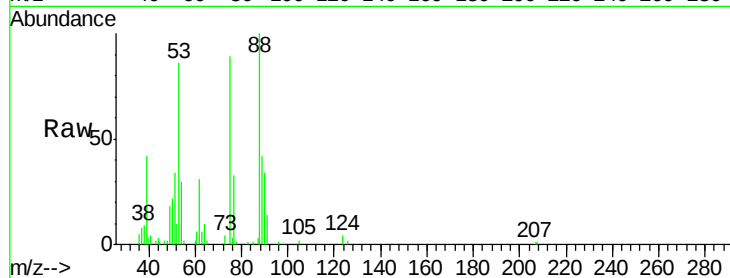
Tot Ion: 75 Resp: 28322

Ion Ratio Lower Upper

75 100

53 95.0 75.2 112.8

89 46.4 38.2 57.4



#82

4-Chlorotoluene

Concen: 18.509 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061479.D

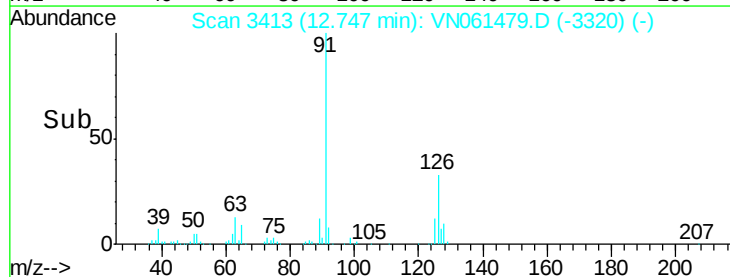
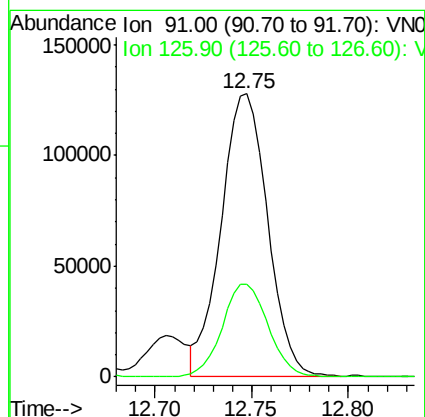
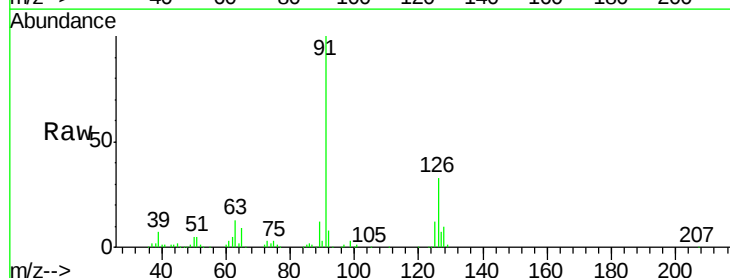
Acq: 19 May 2020 13:24

Tgt Ion: 91 Resp: 212234

Ion Ratio Lower Upper

91 100

126 32.6 16.1 48.2

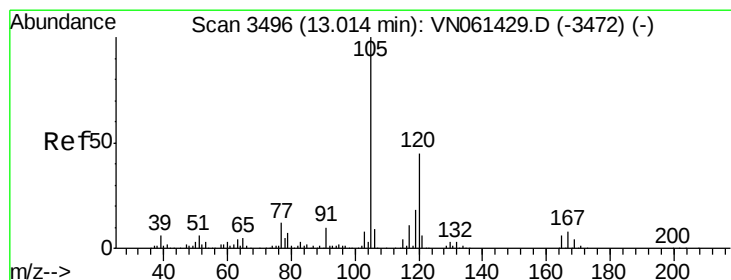
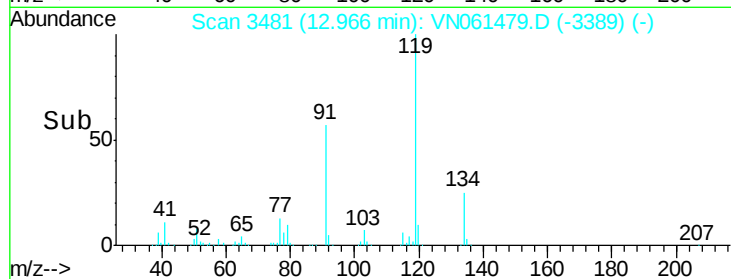
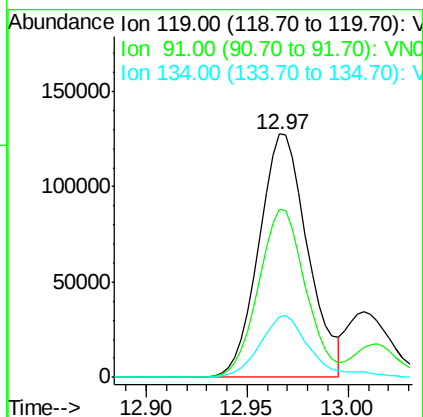
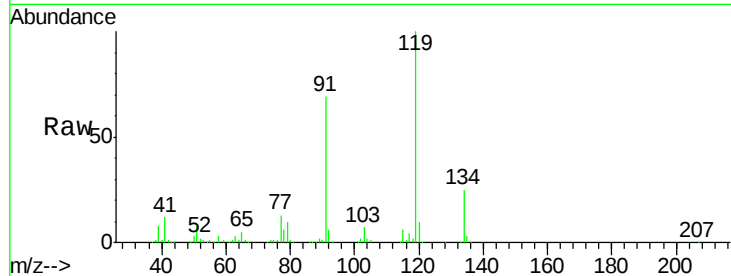




#83
 tert-Butylbenzene
 Concen: 18.666 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

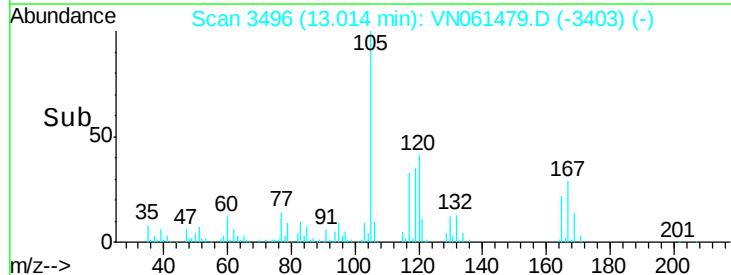
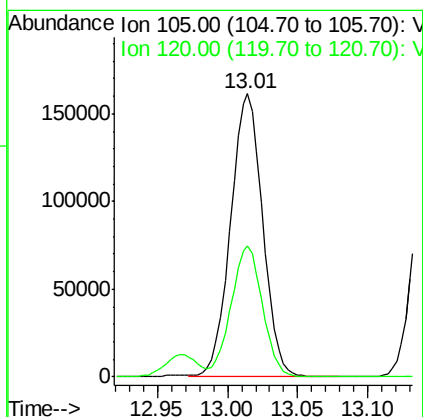
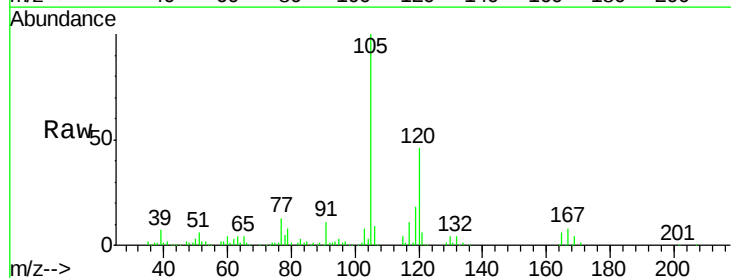
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

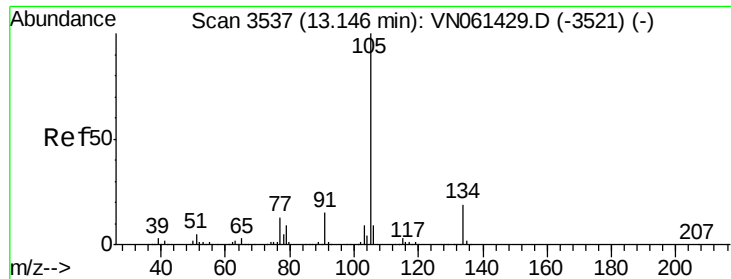
Tot Ion:119 Resp: 215270
 Ion Ratio Lower Upper
 119 100
 91 66.6 33.7 101.0
 134 25.9 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 18.961 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion:105 Resp: 255483
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 18.364 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

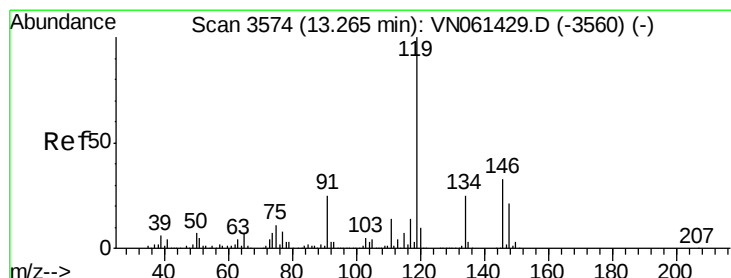
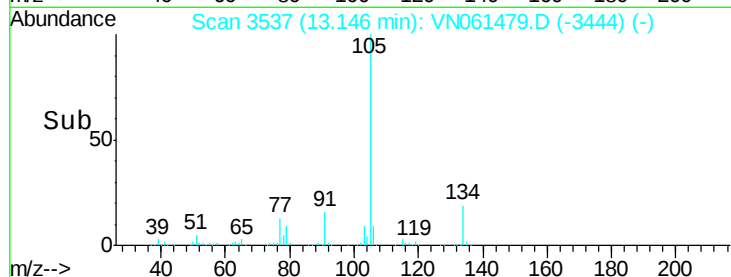
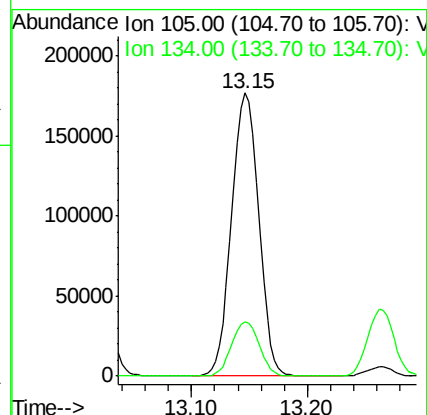
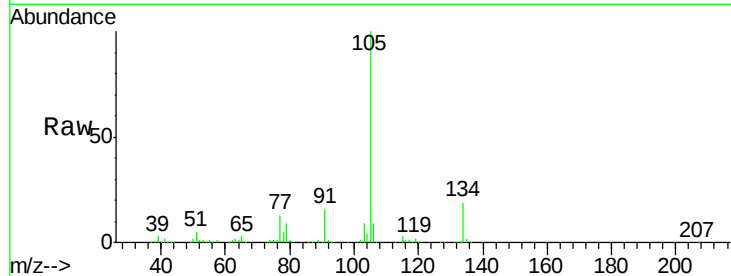
VN0519WBSD01

Tot Ion:105 Resp: 286381

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



#86

p-Isopropyltoluene

Concen: 18.449 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

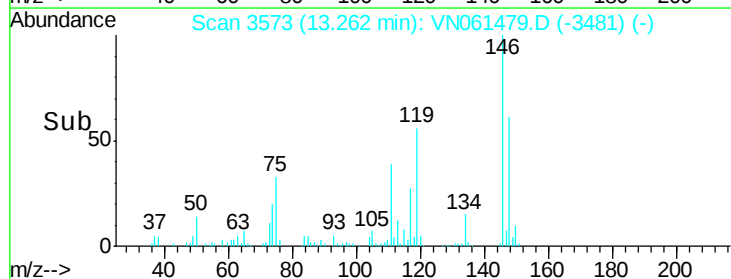
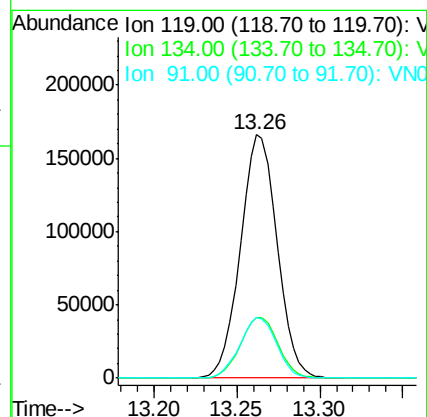
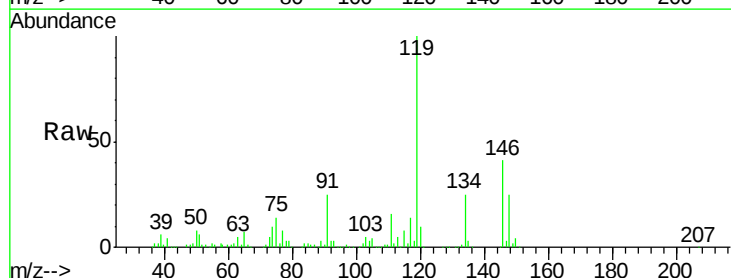
Tgt Ion:119 Resp: 255475

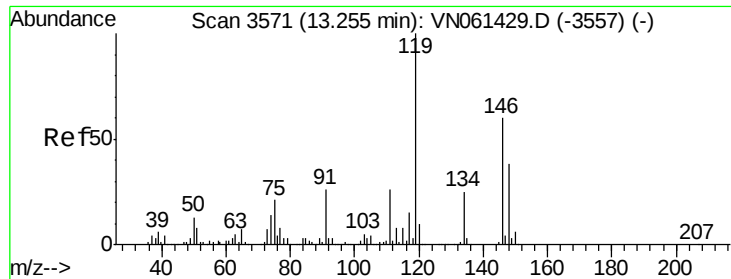
Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 25.0 12.6 37.6

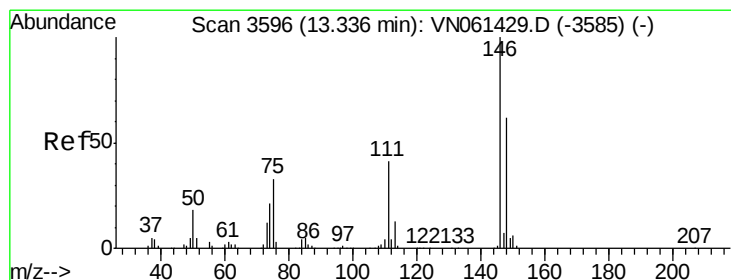
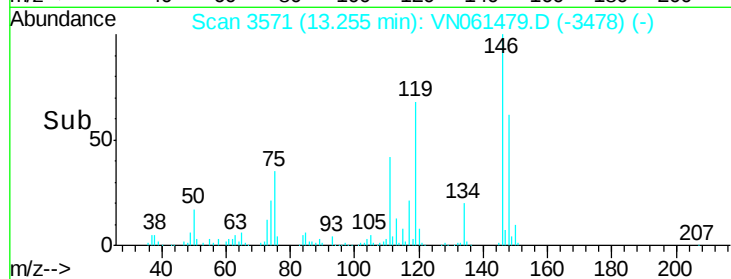
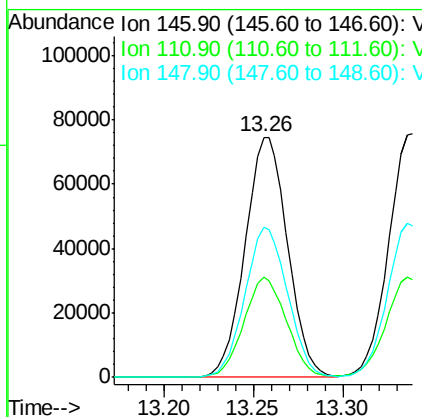
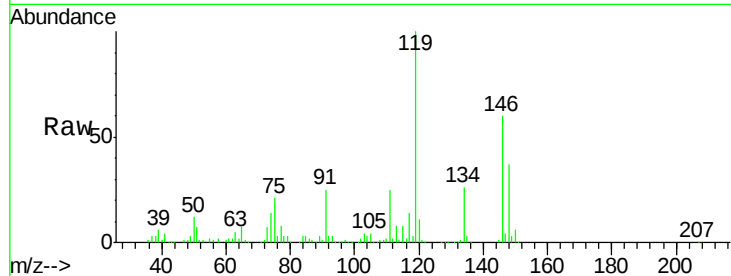




#87
 1,3-Dichlorobenzene
 Concen: 19.054 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

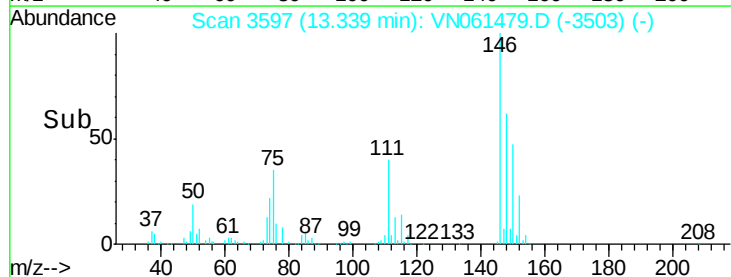
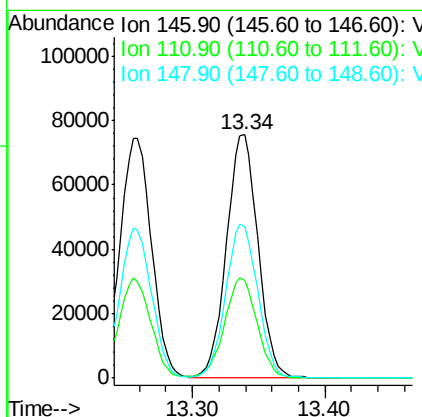
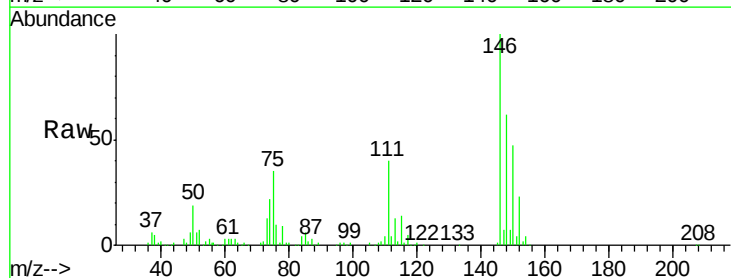
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

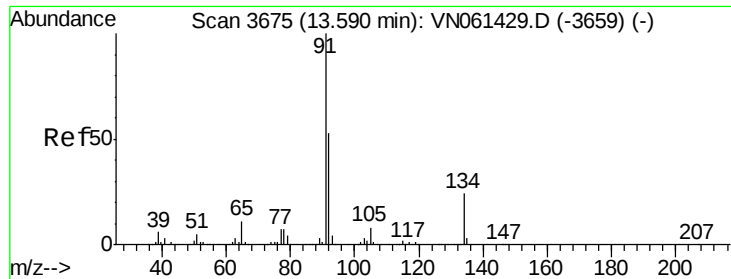
Tot Ion:146 Resp: 124443
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.5 64.5
 148 62.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.009 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion:146 Resp: 124332
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.8 62.5
 148 64.6 31.6 94.8

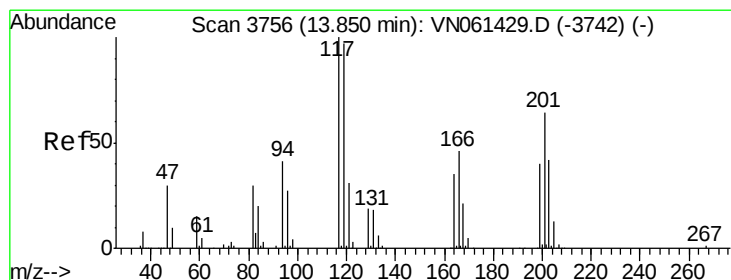
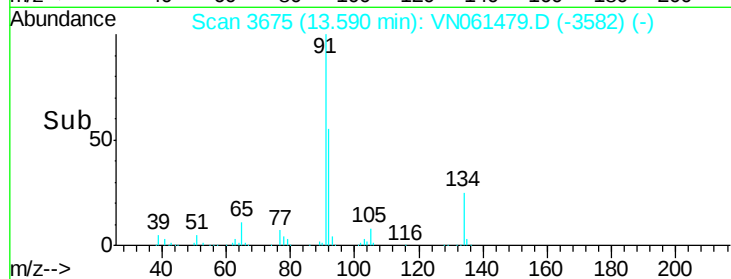
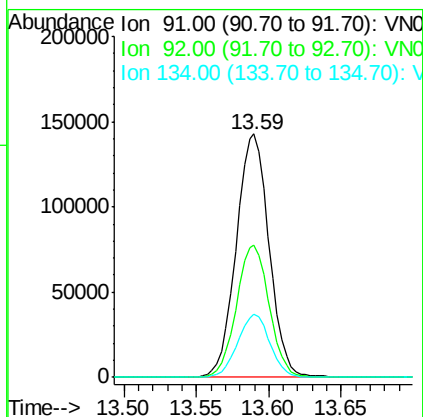
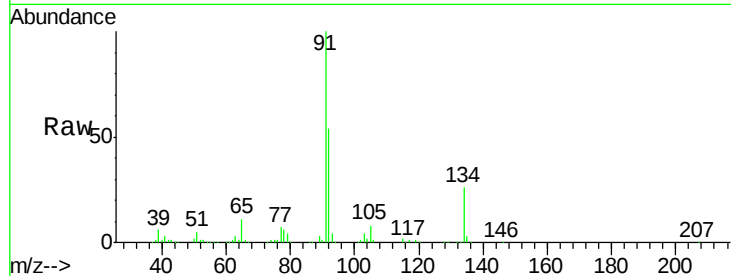




#89
n-Butylbenzene
Concen: 17.829 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

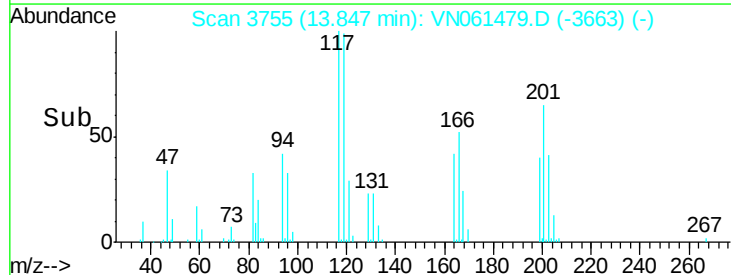
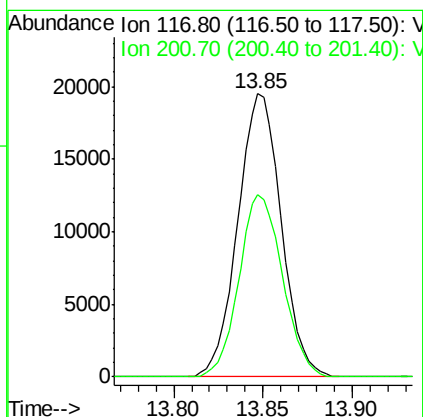
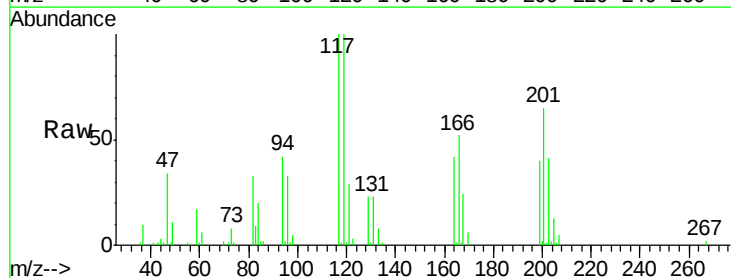
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

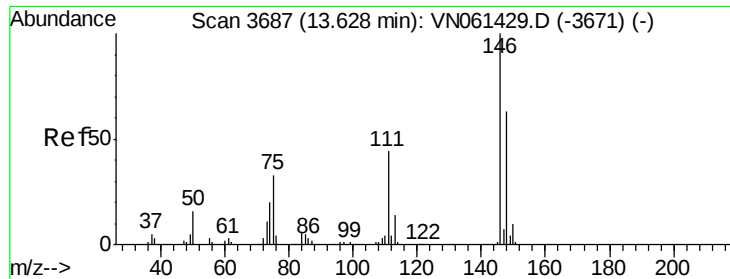
Tot Ion: 91 Resp: 224304
Ion Ratio Lower Upper
91 100
92 54.3 26.8 80.3
134 25.5 12.4 37.4



#90
Hexachloroethane
Concen: 17.606 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion: 117 Resp: 33042
Ion Ratio Lower Upper
117 100
201 64.3 32.9 98.7





#91

1,2-Dichlorobenzene

Concen: 19.583 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBSD01

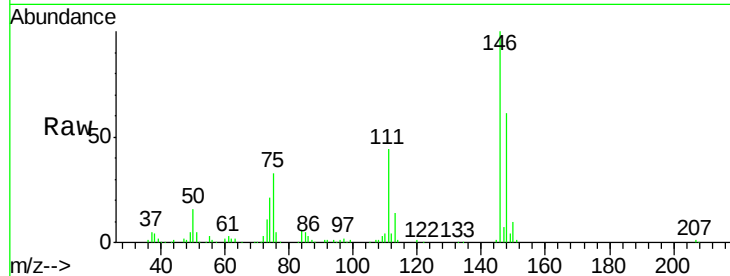
Tot Ion:146 Resp: 122684

Ion Ratio Lower Upper

146 100

111 43.5 21.9 65.7

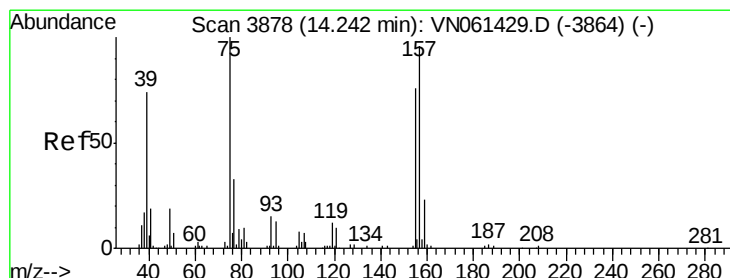
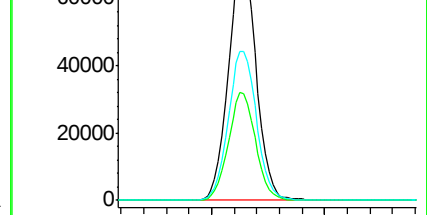
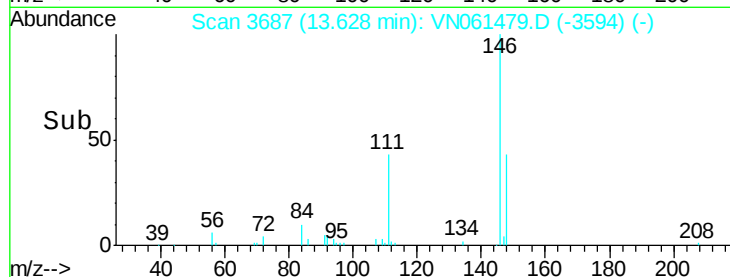
148 62.5 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.383 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VN061479.D

Acq: 19 May 2020 13:24

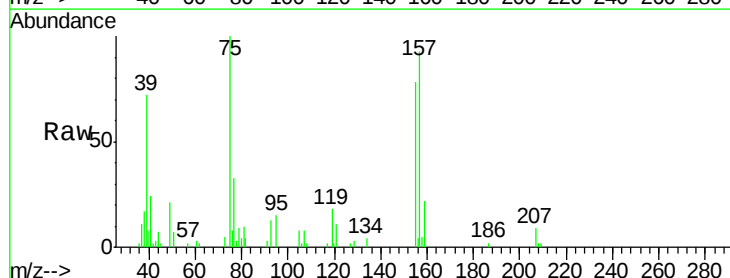
Tgt Ion: 75 Resp: 16799

Ion Ratio Lower Upper

75 100

155 77.7 38.9 116.7

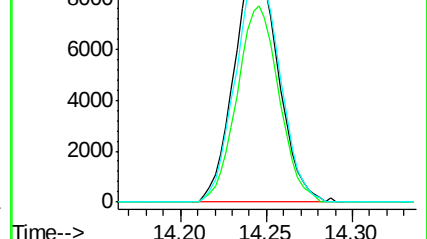
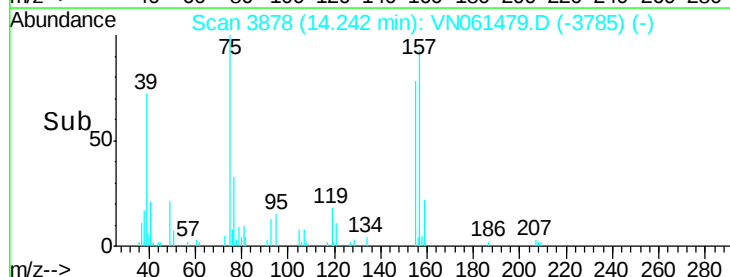
157 96.0 48.6 145.8



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

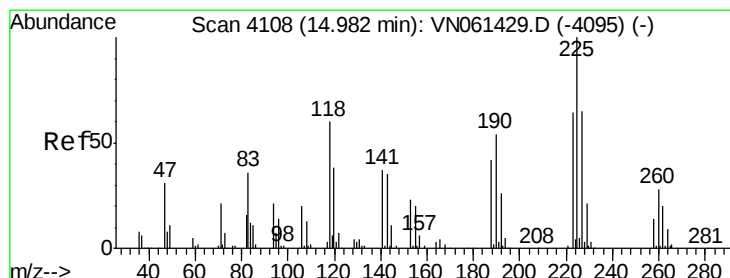
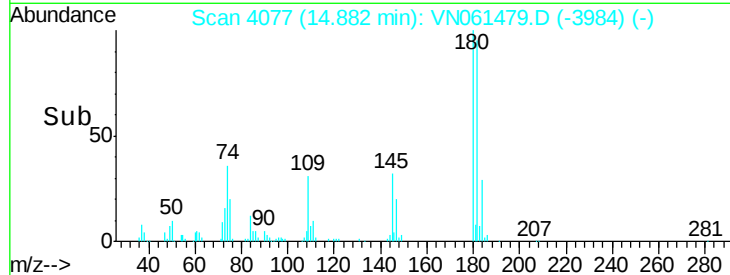
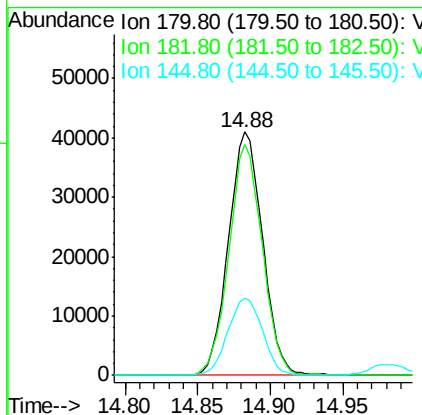
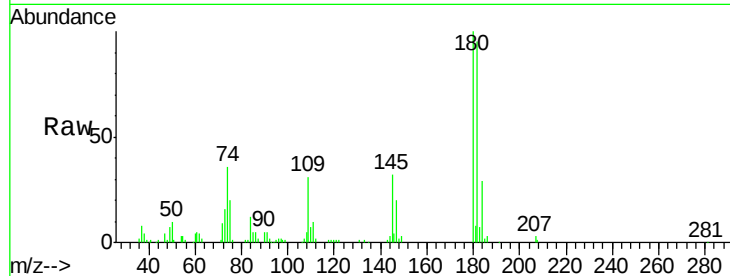




#93
 1,2,4-Trichlorobenzene
 Concen: 19.697 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

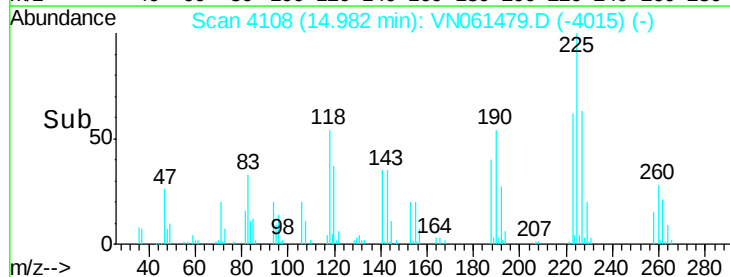
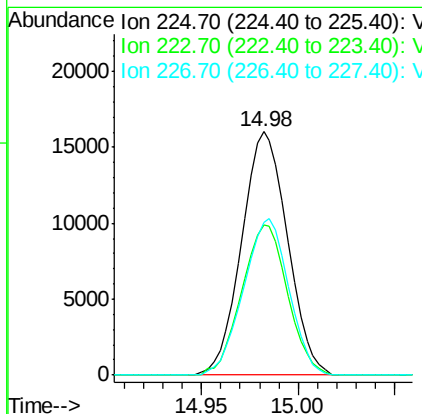
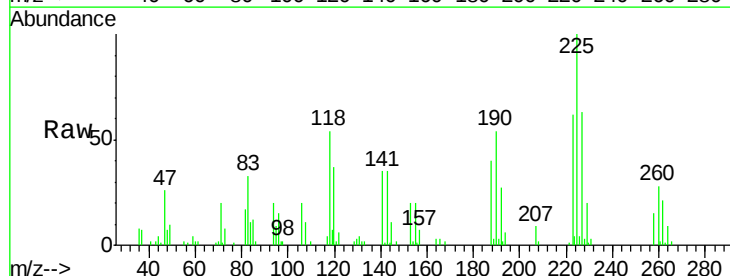
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

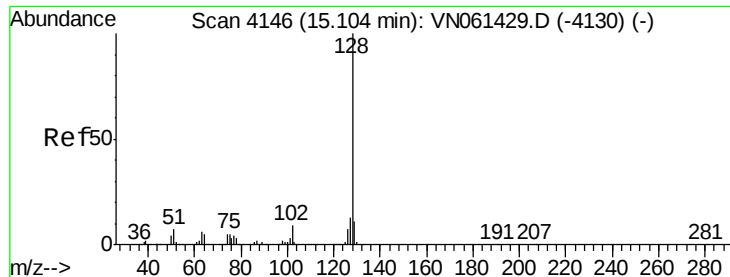
Tot Ion:180 Resp: 66909
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.0 141.0
 145 32.2 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 17.496 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061479.D
 Acq: 19 May 2020 13:24

Tgt Ion:225 Resp: 26407
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.9 95.7
 227 63.3 31.5 94.5

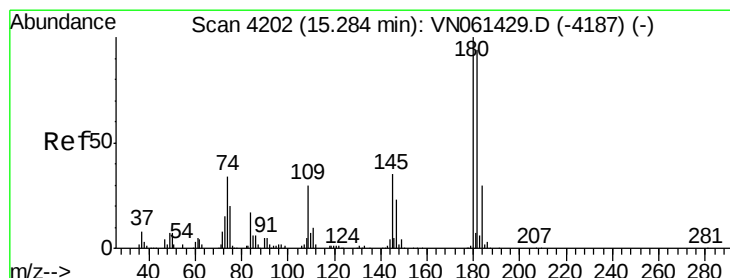
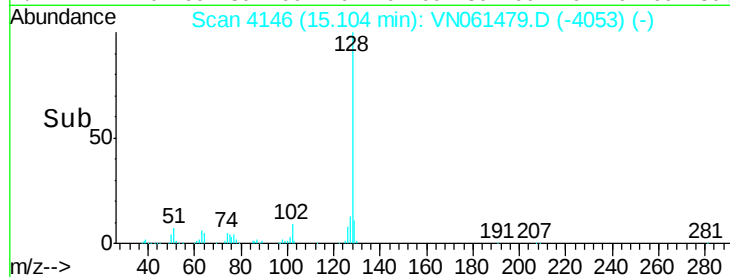
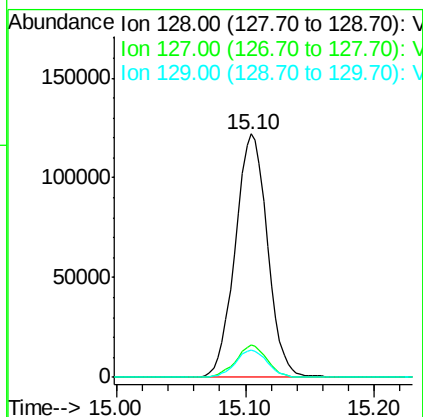
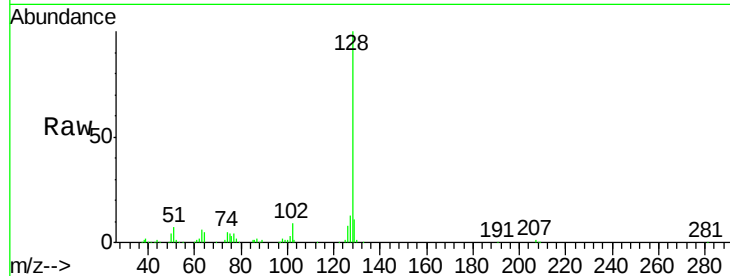




#95
Naphthalene
Concen: 19.610 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBSD01

Tot Ion:128 Resp: 211775
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.116 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061479.D
Acq: 19 May 2020 13:24

Tgt Ion:180 Resp: 64643
Ion Ratio Lower Upper
180 100
182 93.1 47.8 143.3
145 34.1 17.3 51.9

