

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061495.D
 Acq On : 19 May 2020 19:50
 Operator : JC/MD
 Sample : L2645-06DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-051320DL

Quant Time: May 20 03:02:14 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	7.63	168	282704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	533608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	520676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	245681	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	198759	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
35) Dibromofluoromethane	7.55	113	147128	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	10.06	98	655620	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.38	95	264536	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1208	0.315	ug/l	100
5) Bromomethane	2.52	94	178	Below Cal	#	3
6) Chloroethane	2.67	64	989	0.268	ug/l #	54
11) Tert butyl alcohol	4.73	59	8199	16.865	ug/l #	73
13) Acrolein	3.53	56	8413	5.399	ug/l #	1
14) Allyl chloride	4.38	41	19934	4.227	ug/l #	35
15) Acrylonitrile	4.95	53	309	0.215	ug/l #	18
16) Acetone	3.77	43	25356	12.627	ug/l #	87
17) Carbon Disulfide	4.01	76	3036	Below Cal	#	75
18) Methyl Acetate	4.35	43	7447	1.536	ug/l #	49
19) Methyl tert-butyl Ether	4.99	73	73481	6.682	ug/l #	1
20) Methylene Chloride	4.50	84	1958	0.565	ug/l #	57
23) Vinyl Acetate	5.81	43	3200	0.380	ug/l #	70
25) 2-Butanone	6.78	43	11946	6.218	ug/l	99
28) Bromochloromethane	7.33	49	7261	2.767	ug/l #	13
29) Tetrahydrofuran	7.17	42	306	0.241	ug/l #	29
30) Chloroform	7.33	83	93306	14.453	ug/l	96
31) Cyclohexane	7.62	56	62228	8.996	ug/l #	85
36) 1,1-Dichloropropene	7.63	75	23355	4.681	ug/l #	51
37) Ethyl Acetate	6.78	43	11946	2.640	ug/l #	72
38) Carbon Tetrachloride	7.62	117	29769	6.480	ug/l #	15
39) Methylcyclohexane	9.05	83	31653	5.194	ug/l	97
40) Benzene	8.00	78	1347578	89.622	ug/l	99
41) Methacrylonitrile	7.14	41	449	0.235	ug/l #	35
42) 1,2-Dichloroethane	8.00	62	11597	2.141	ug/l	83
43) Isopropyl Acetate	8.09	43	22307	2.827	ug/l #	52
47) Bromodichloromethane	9.37	83	1727	0.311	ug/l #	79
48) Methyl methacrylate	9.24	41	4507	1.236	ug/l #	67
51) 4-Methyl-2-Pentanone	9.95	43	3816	0.888	ug/l	93
52) Toluene	10.13	92	2356604	244.121	ug/l	92
53) t-1,3-Dichloropropene	10.12	75	26859	4.408	ug/l #	1
55) 1,1,2-Trichloroethane	10.51	97	1856	0.509	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.58	63	506	0.202	ug/l #	46
59) 2-Hexanone	10.73	43	5725	1.841	ug/l	89

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

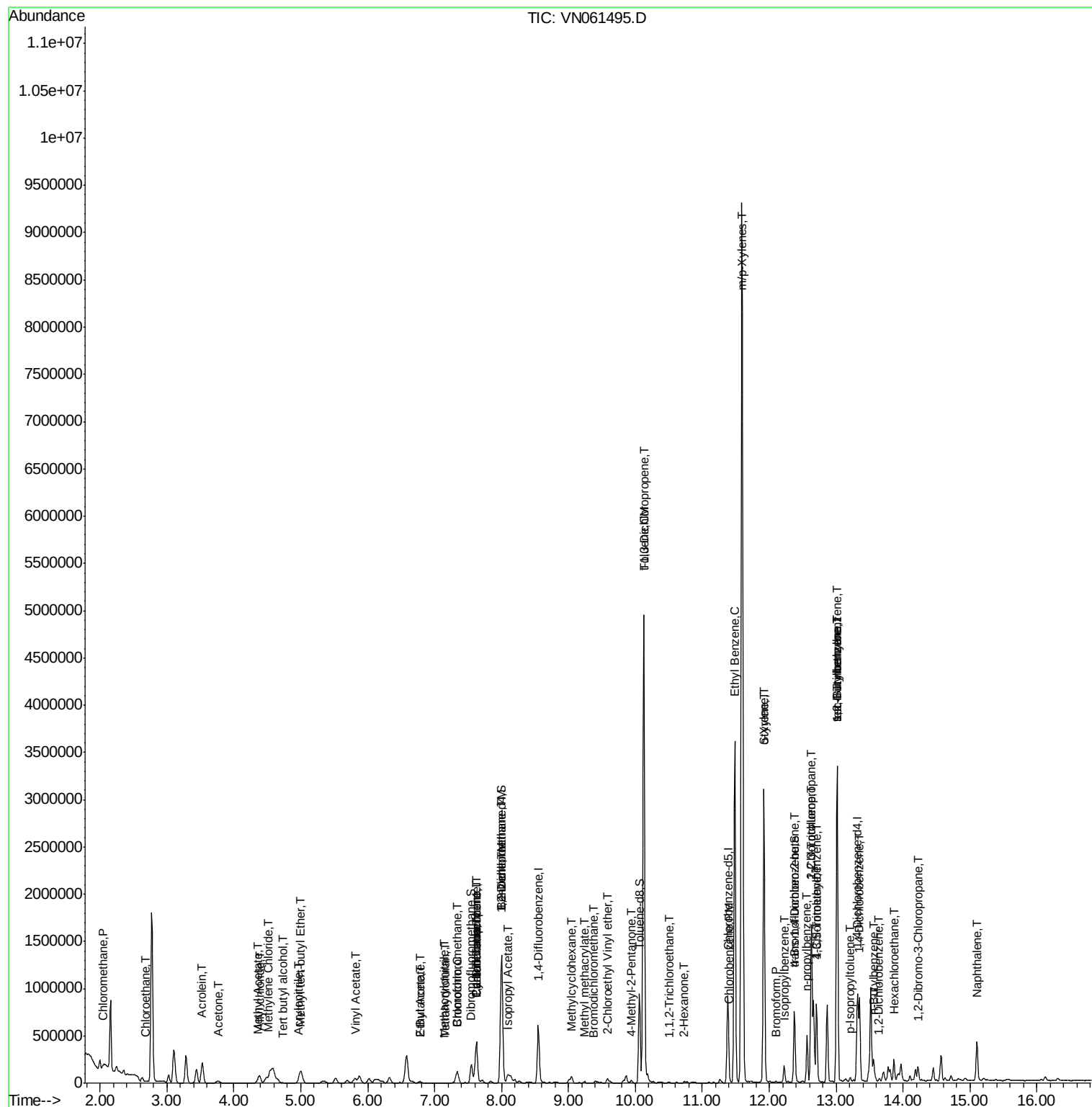
65) Chlorobenzene	11.41	112	2581	0.243	ug/l	98
67) Ethyl Benzene	11.48	91	2646694	136.557	ug/l	95
68) m/p-Xylenes	11.59	106	3382847	459.831	ug/l	76
69) o-Xylene	11.92	106	902229	126.732	ug/l	96
70) Styrene	11.92	104	43882	3.722	ug/l #	1
71) Bromoform	12.09	173	62	2.040	ug/l #	29
73) Isopropylbenzene	12.22	105	120971	6.133	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	8991	1.706	ug/l #	100
78) n-propylbenzene	12.56	91	401974	17.887	ug/l	99
79) 2-Chlorotoluene	12.63	91	130987	9.861	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.71	105	463214	28.683	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.37	75	134608	67.736	ug/l #	12
82) 4-Chlorotoluene	12.71	91	46369	3.371	ug/l #	43
83) tert-Butylbenzene	13.01	119	226238	16.355	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.01	105	1911317	118.261	ug/l	97
85) sec-Butylbenzene	13.01	105	1911317	102.182	ug/l #	57
86) p-Isopropyltoluene	13.21	119	21767	1.310	ug/l #	72
88) 1,4-Dichlorobenzene	13.34	146	3425	0.437	ug/l #	61
89) n-Butylbenzene	13.56	91	7425	0.492	ug/l #	1
90) Hexachloroethane	13.86	117	12101	5.376	ug/l #	17
91) 1,2-Dichlorobenzene	13.62	146	1930	0.257	ug/l #	62
92) 1,2-Dibromo-3-Chloropropan	14.23	75	576	0.525	ug/l #	10
95) Naphthalene	15.10	128	348788	26.927	ug/l	99

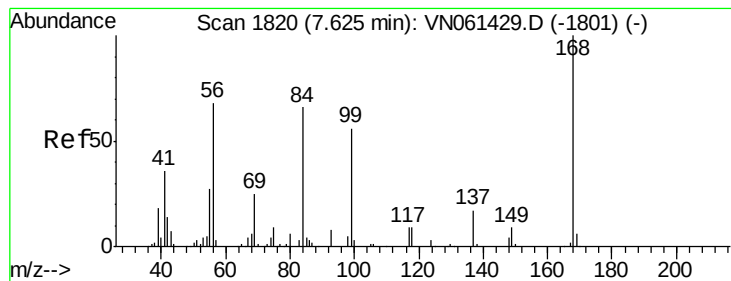
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

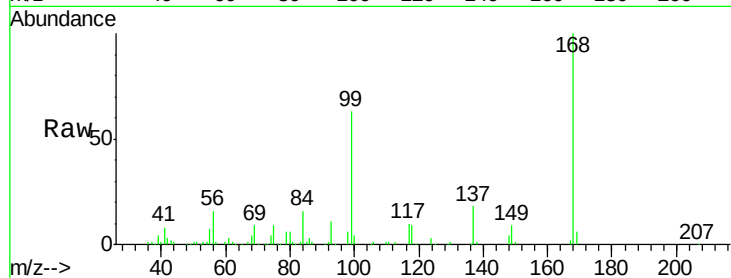
DUP-051320DL

Tot Ion:168 Resp: 282704

Ion Ratio Lower Upper

168 100

99 62.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

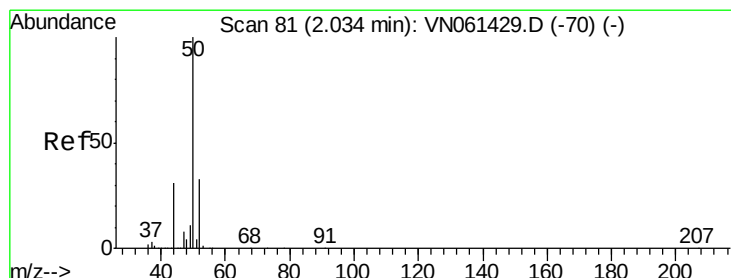
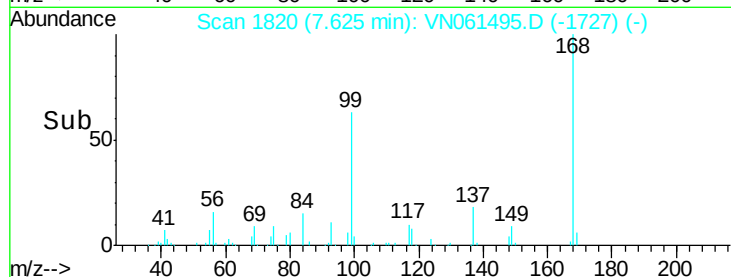
7.63

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.315 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061495.D

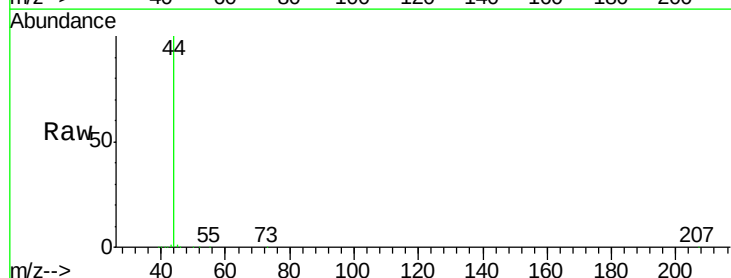
Acq: 19 May 2020 19:50

Tgt Ion: 50 Resp: 1208

Ion Ratio Lower Upper

50 100

52 33.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

800

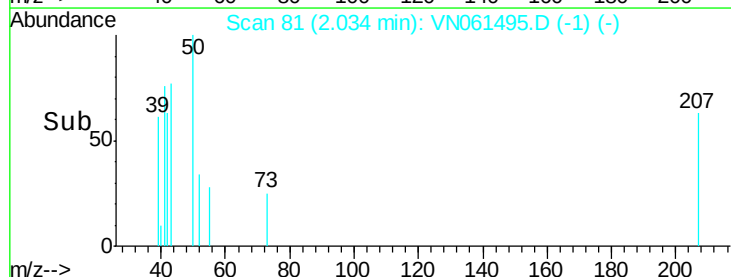
600

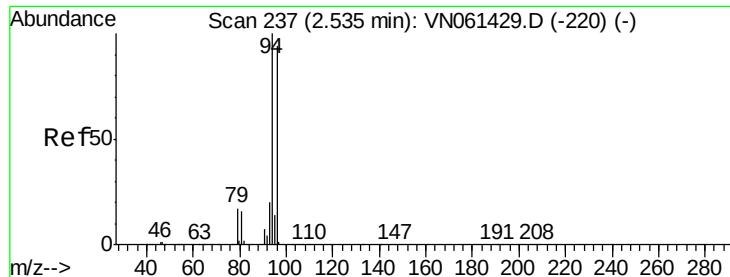
400

200

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

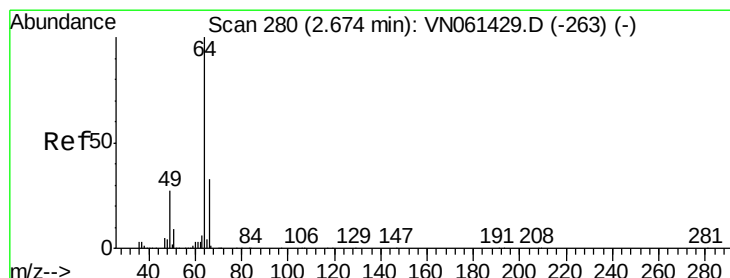
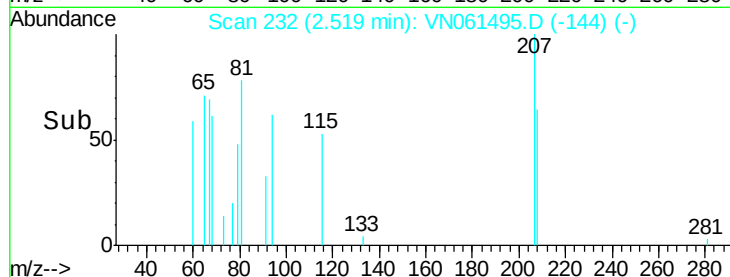
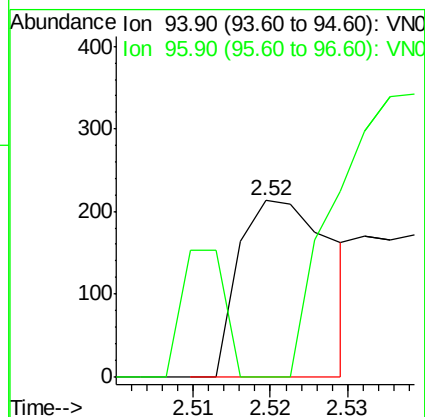
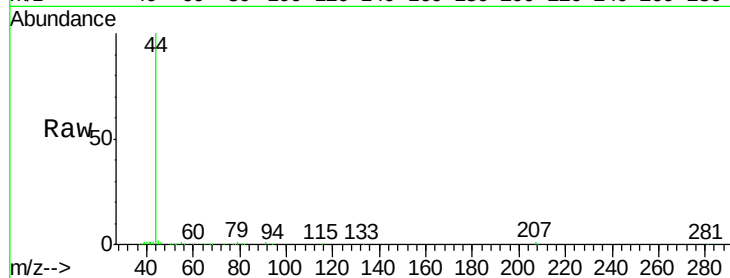
DUP-051320DL

Tot Ion: 94 Resp: 178

Ion Ratio Lower Upper

94 100

96 0.0 74.9 112.3#



#6

Chloroethane

Concen: 0.268 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061495.D

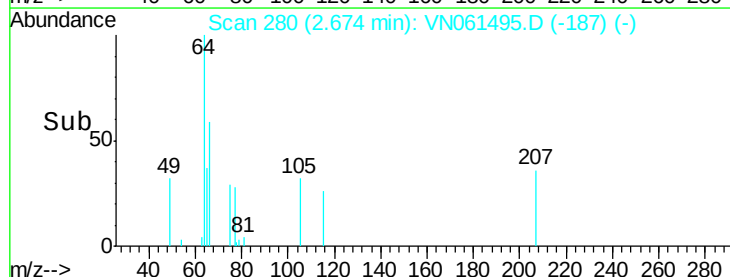
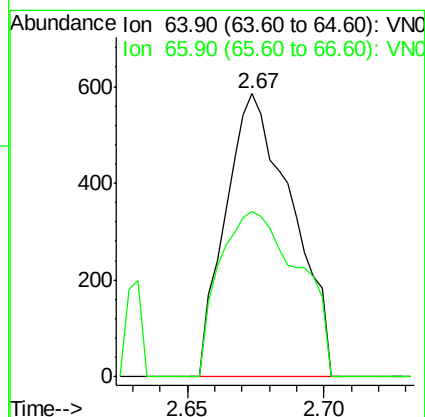
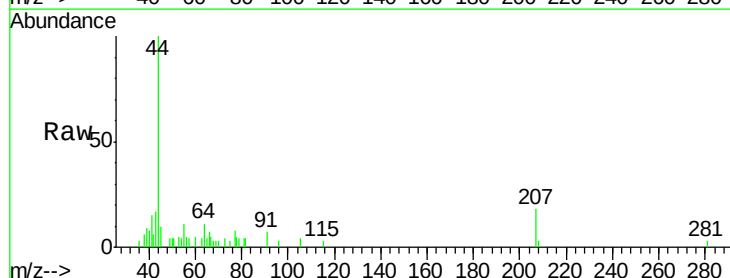
Acq: 19 May 2020 19:50

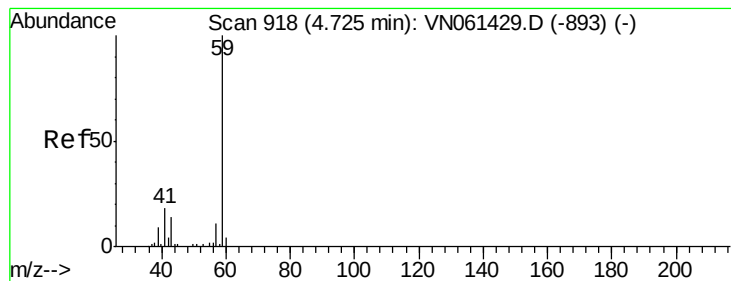
Tgt Ion: 64 Resp: 989

Ion Ratio Lower Upper

64 100

66 58.6 26.3 39.5#





#11

Tert butyl alcohol

Concen: 16.865 ug/l

RT: 4.73 min Scan# 920

Delta R.T. 0.01 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

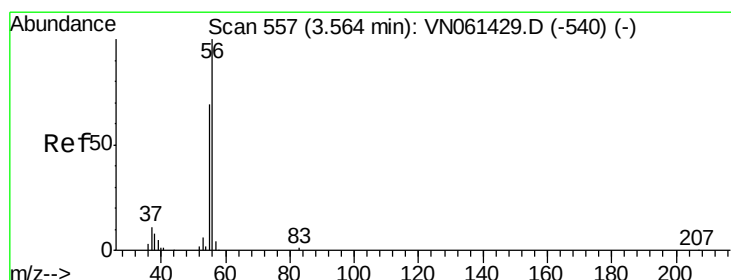
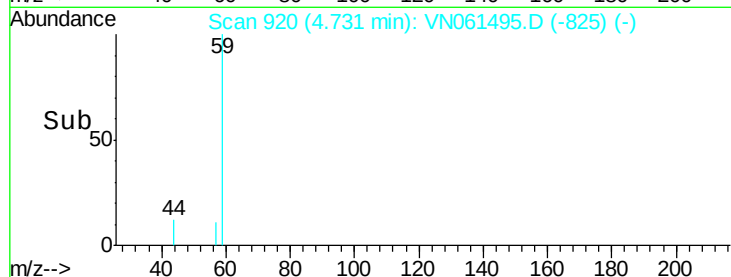
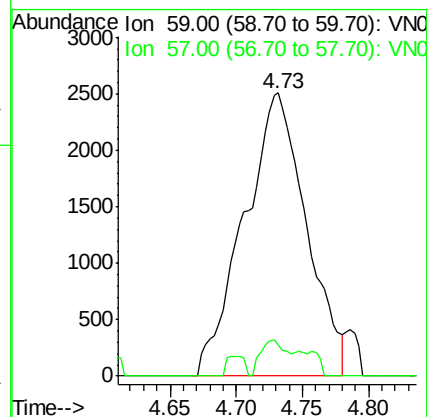
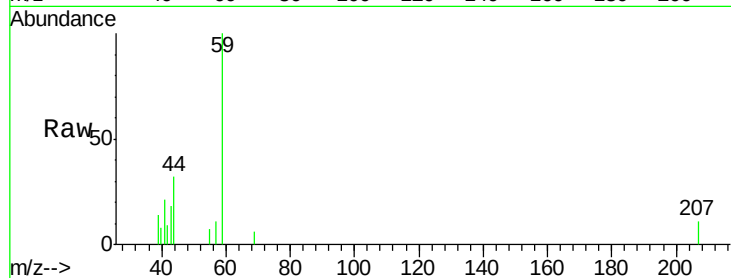
DUP-051320DL

Tot Ion: 59 Resp: 8199

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 5.399 ug/l

RT: 3.53 min Scan# 545

Delta R.T. -0.04 min

Lab File: VN061495.D

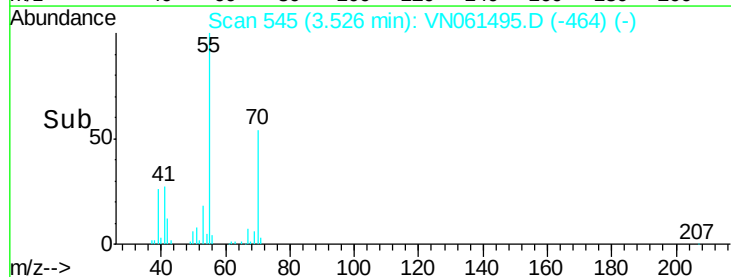
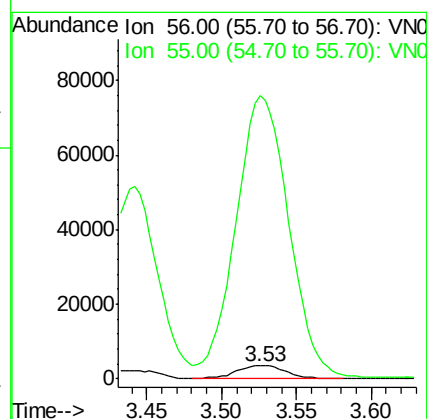
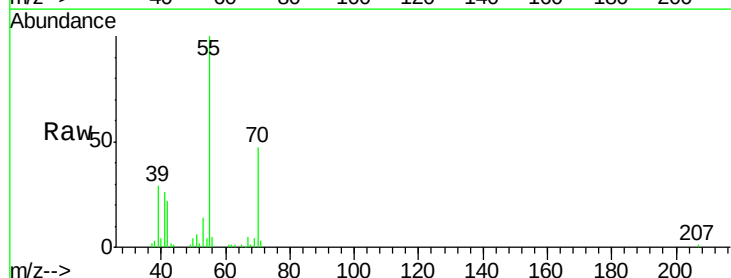
Acq: 19 May 2020 19:50

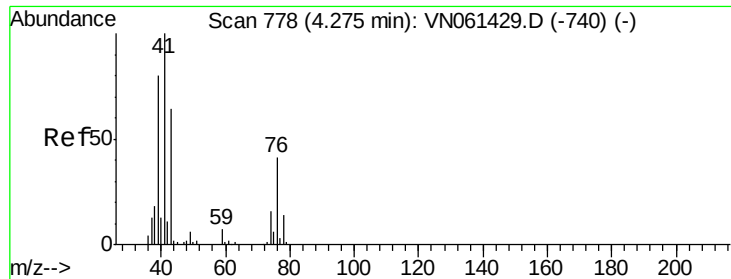
Tgt Ion: 56 Resp: 8413

Ion Ratio Lower Upper

56 100

55 2209.7 54.8 82.2#

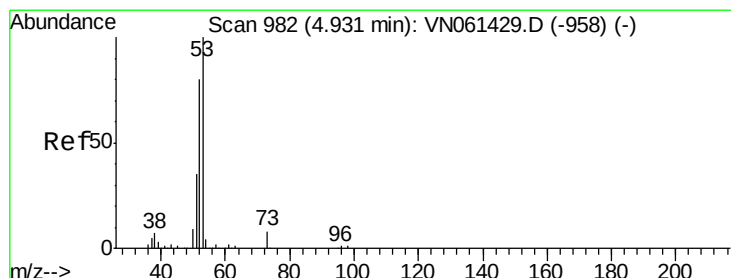
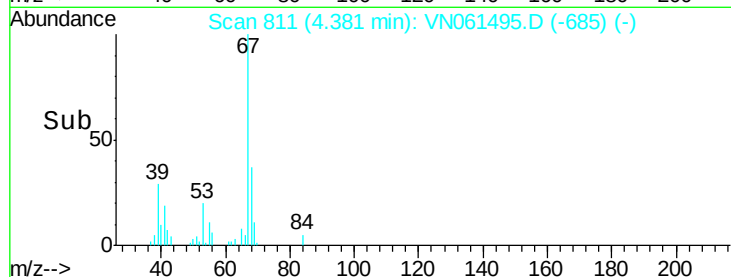
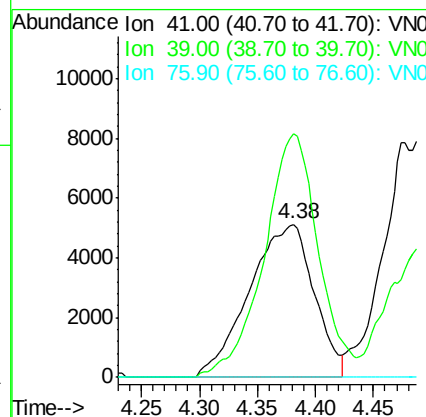
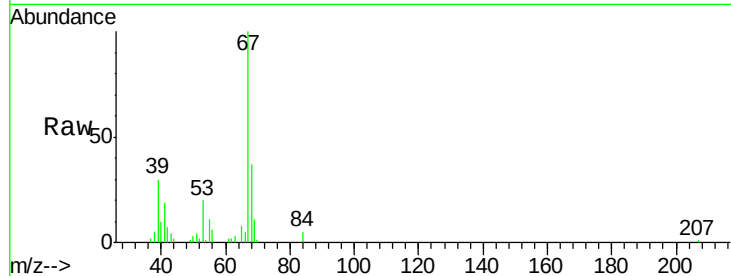




#14
Allvl chloride
Concen: 4.227 ug/l
RT: 4.38 min Scan# 811
Delta R.T. 0.11 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

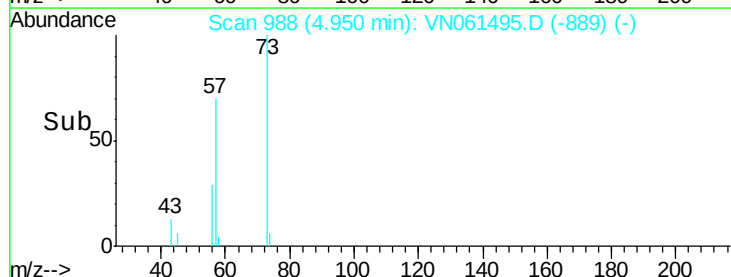
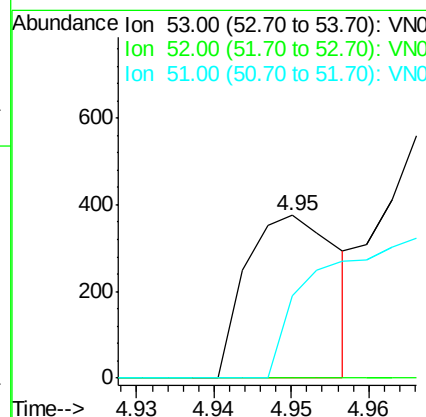
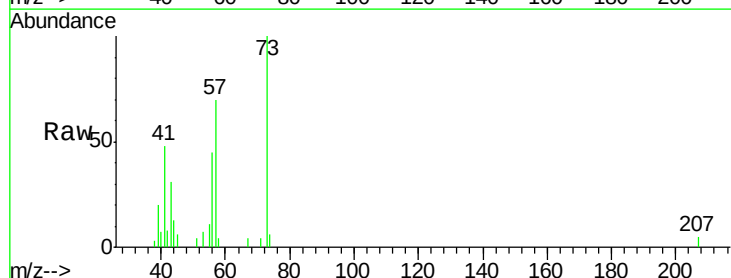
Instrument :
MSVOA_N
ClientSampled :
DUP-051320DL

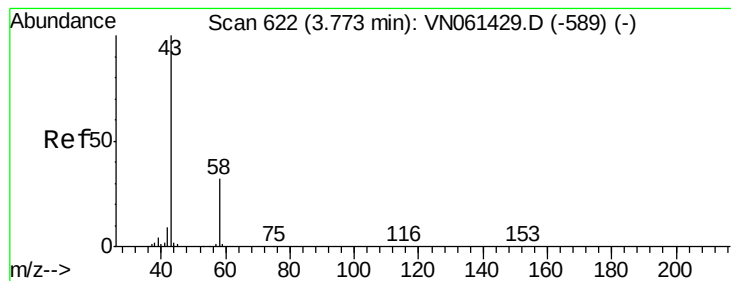
Tot Ion: 41 Resp: 19934
Ion Ratio Lower Upper
41 100
39 133.4 61.2 91.8#
76 0.0 29.9 44.9#



#15
Acrylonitrile
Concen: 0.215 ug/l
RT: 4.95 min Scan# 988
Delta R.T. 0.02 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

Tgt Ion: 53 Resp: 309
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 29.5 44.3#





#16

Acetone

Concen: 12.627 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

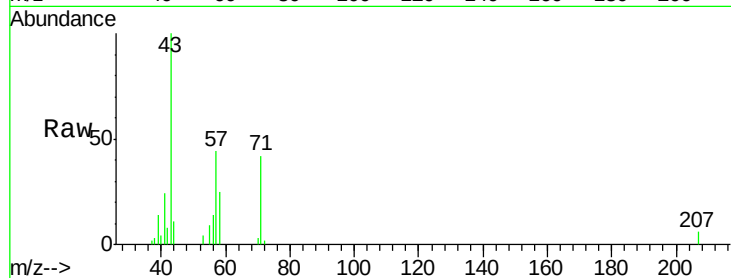
DUP-051320DL

Tot Ion: 43 Resp: 25356

Ion Ratio Lower Upper

43 100

58 25.0 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061495.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061495.D (-529) (-)

8000

6000

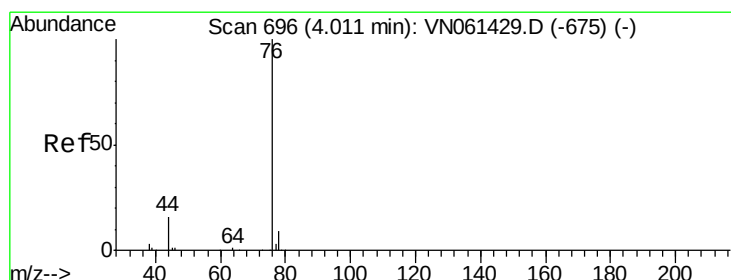
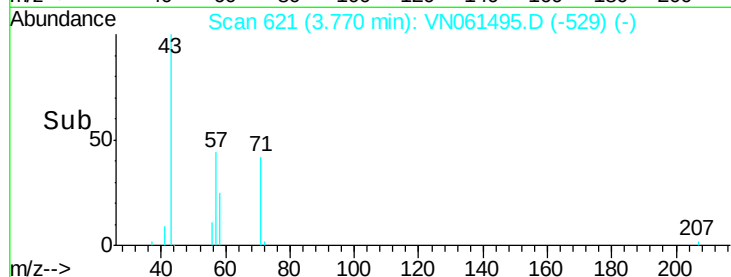
4000

2000

0

3.60 3.70 3.80 3.90

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061495.D

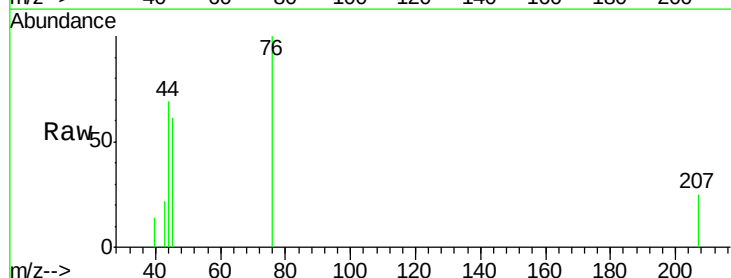
Acq: 19 May 2020 19:50

Tgt Ion: 76 Resp: 3036

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN061495.D (-603) (-)

Ion 77.90 (77.60 to 78.60): VN061495.D (-603) (-)

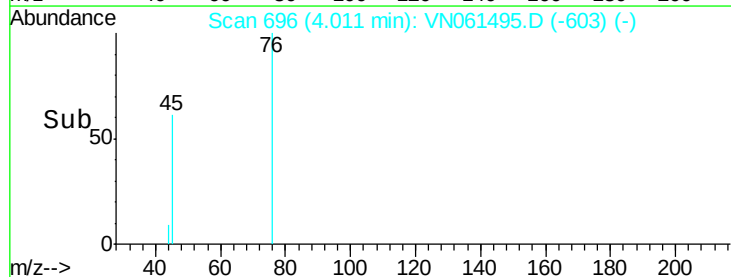
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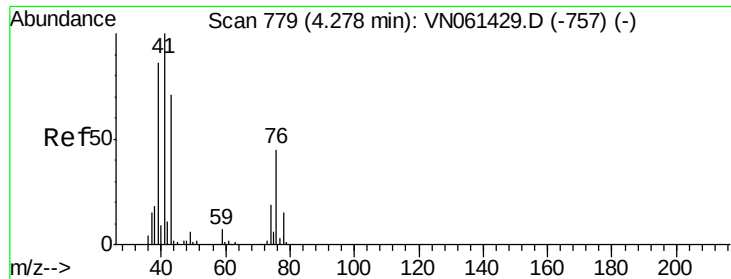
500

0

3.95 4.00 4.05

Time-->

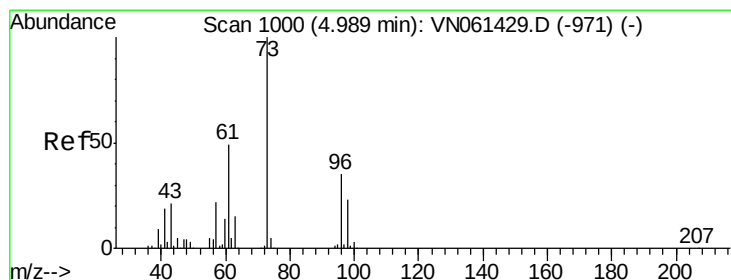
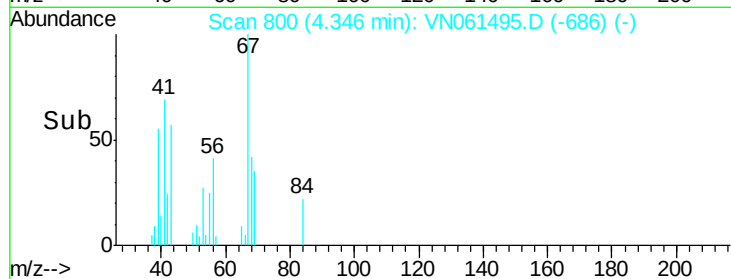
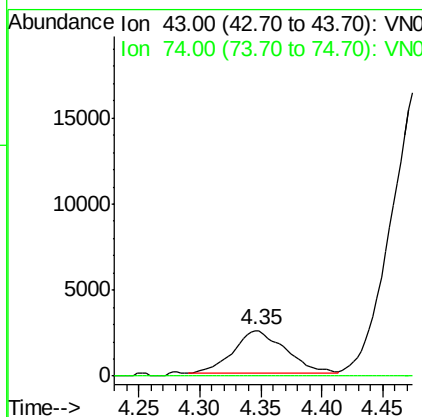
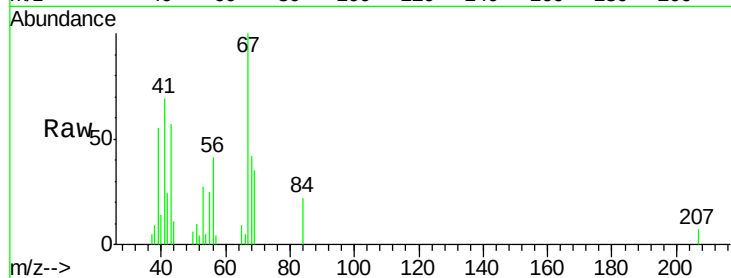




#18
Methyl Acetate
Concen: 1.536 ug/l
RT: 4.35 min Scan# 800
Delta R.T. 0.07 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

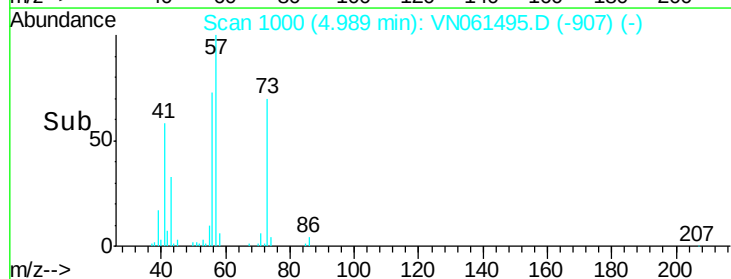
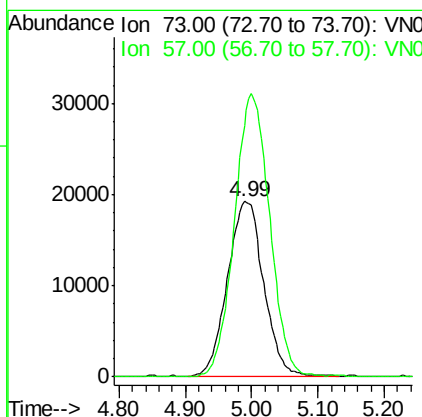
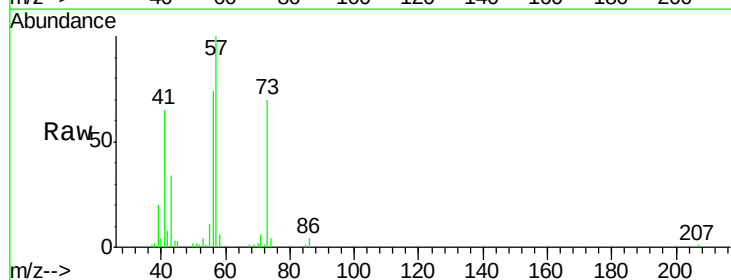
Instrument :
MSVOA_N
ClientSampleId :
DUP-051320DL

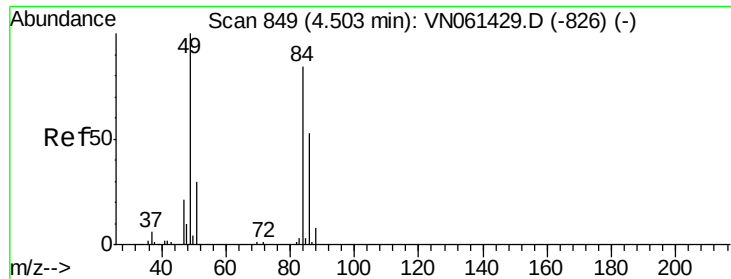
Tot Ion: 43 Resp: 7447
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 6.682 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

Tgt Ion: 73 Resp: 73481
Ion Ratio Lower Upper
73 100
57 143.1 17.4 26.0#

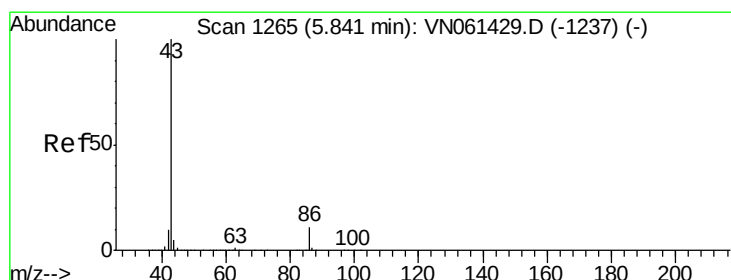
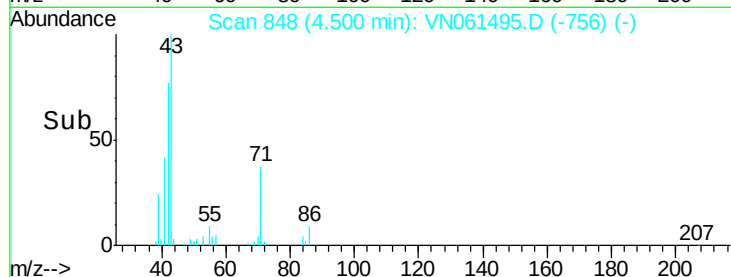
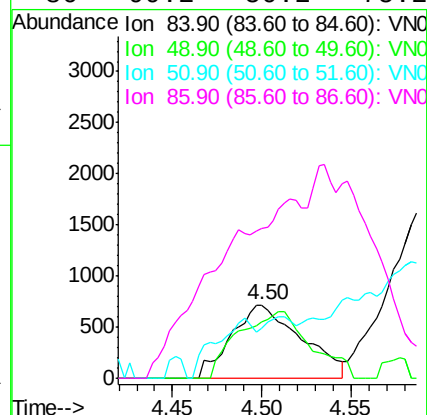
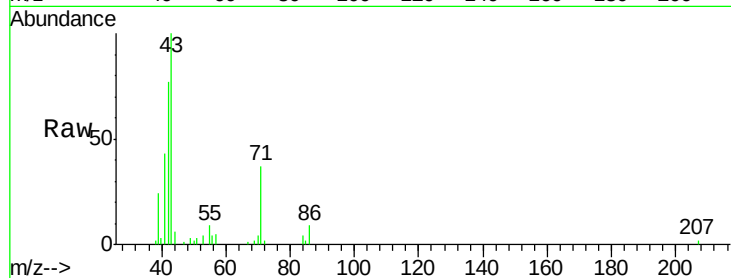




#20
Methvlene Chloride
Concen: 0.565 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

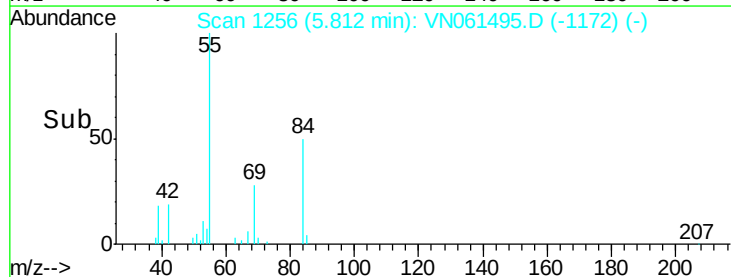
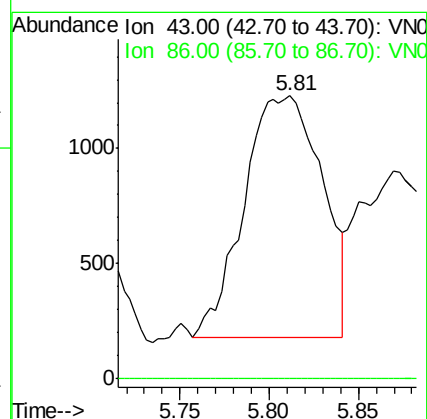
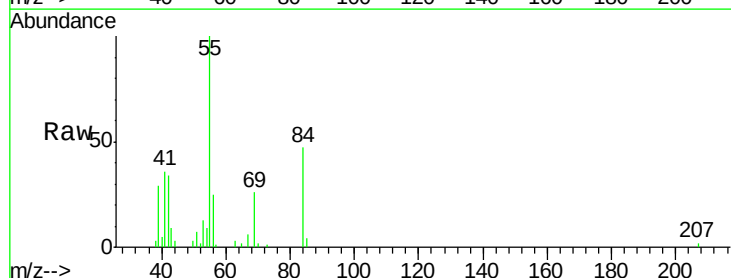
Instrument :
MSVOA_N
ClientSampleId :
DUP-051320DL

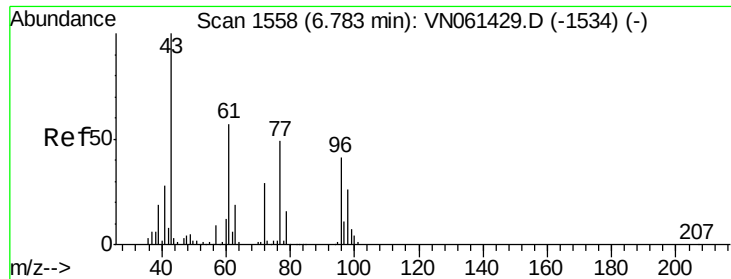
Tot Ion: 84 Resp: 1958
Ion Ratio Lower Upper
84 100
49 77.2 95.3 142.9#
51 67.5 29.0 43.6#
86 99.2 50.2 75.2#



#23
Vinyl Acetate
Concen: 0.380 ug/l
RT: 5.81 min Scan# 1256
Delta R.T. -0.03 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

Tgt Ion: 43 Resp: 3200
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#

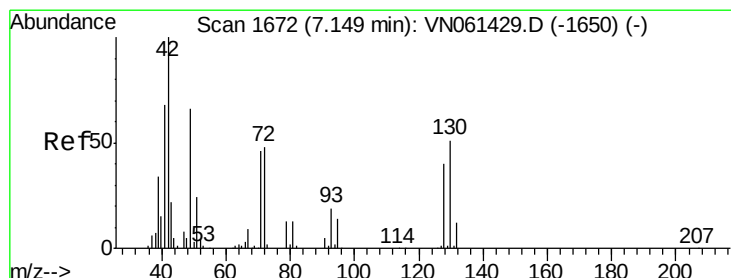
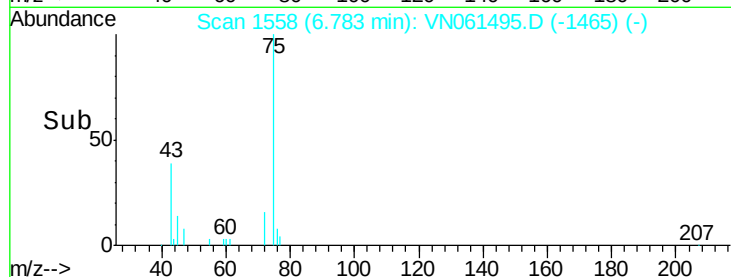
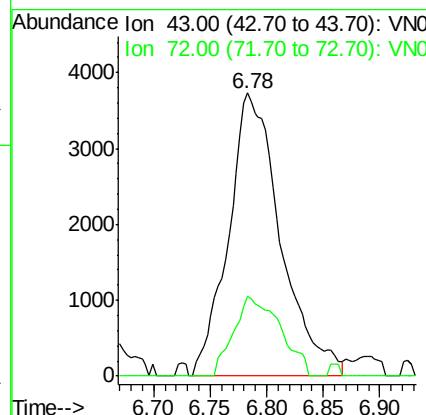
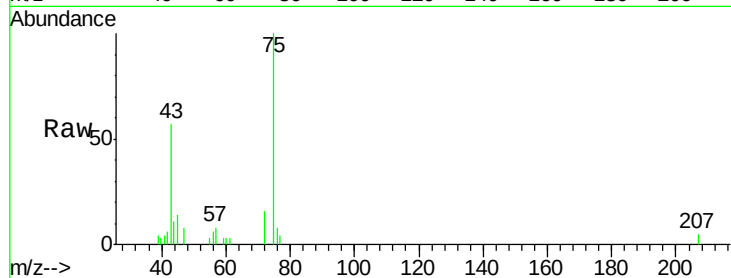




#25
 2-Butanone
 Concen: 6.218 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

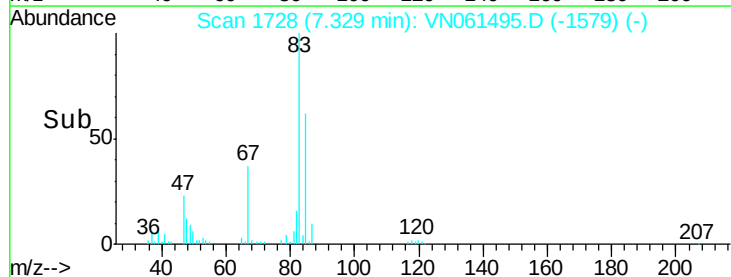
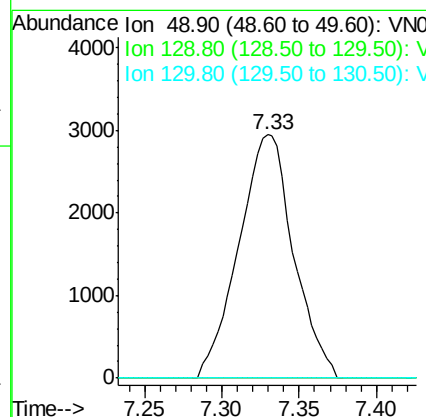
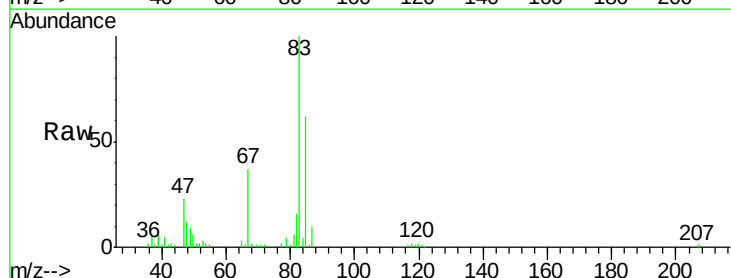
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-051320DL

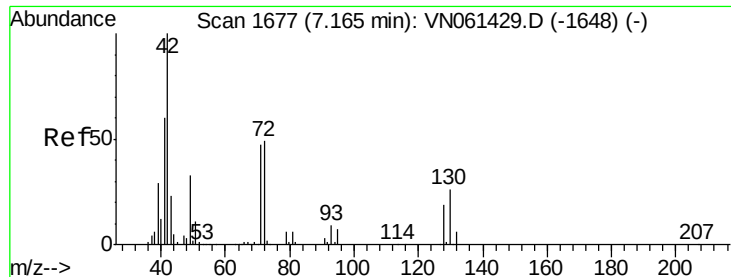
Tot Ion: 43 Resp: 11946
 Ion Ratio Lower Upper
 43 100
 72 28.3 23.0 34.6



#28
 Bromochloromethane
 Concen: 2.767 ug/l
 RT: 7.33 min Scan# 1728
 Delta R.T. 0.18 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

Tgt Ion: 49 Resp: 7261
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 0.0 62.2 93.2#





#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

DUP-051320DL

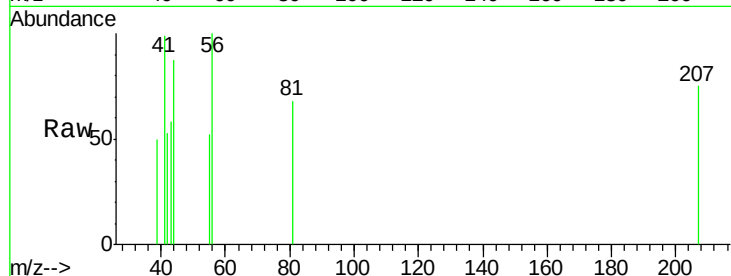
Tot Ion: 42 Resp: 306

Ion Ratio Lower Upper

42 100

72 0.0 39.0 58.6#

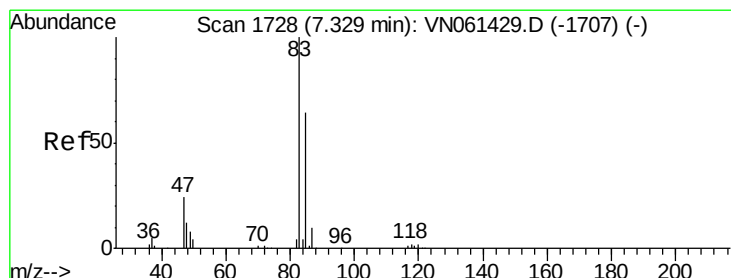
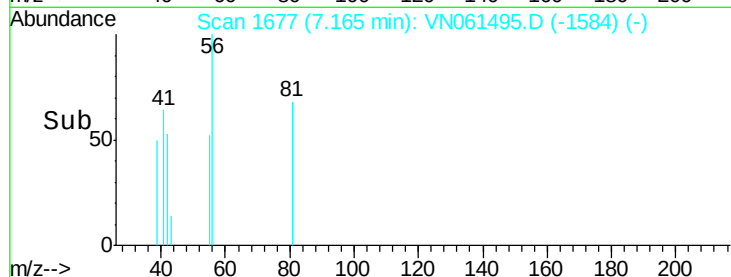
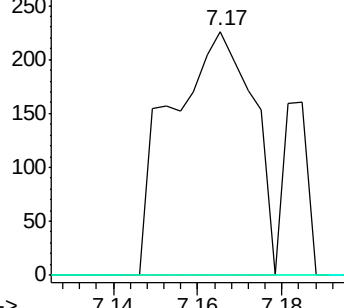
71 0.0 36.9 55.3#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 14.453 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN061495.D

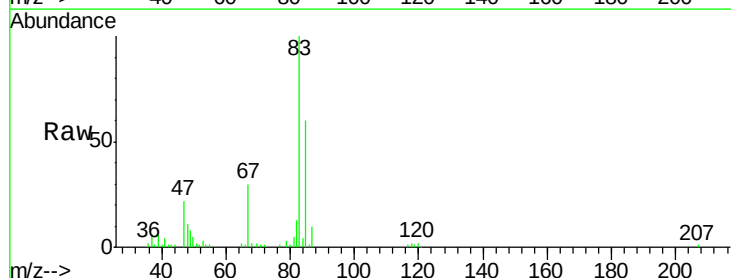
Acq: 19 May 2020 19:50

Tgt Ion: 83 Resp: 93306

Ion Ratio Lower Upper

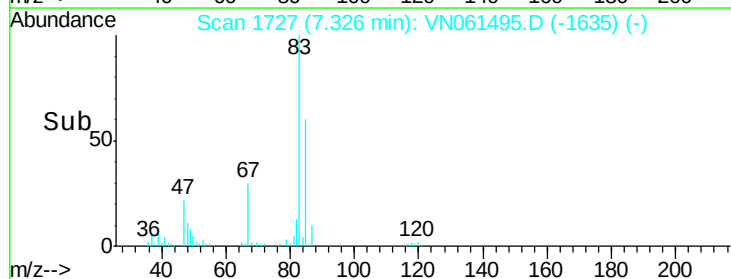
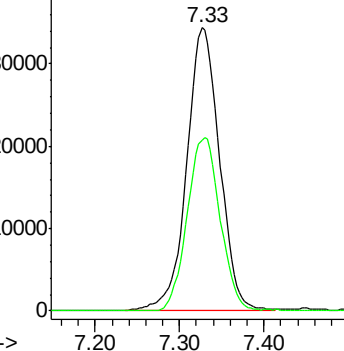
83 100

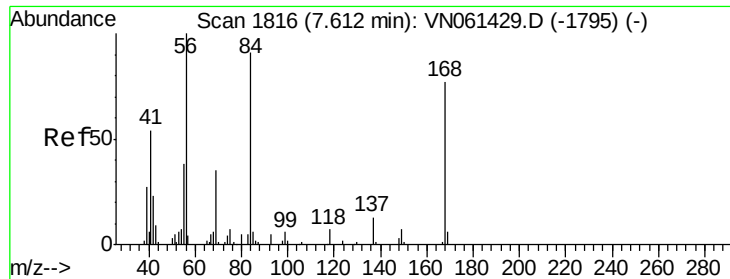
85 60.2 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 8.996 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

DUP-051320DL

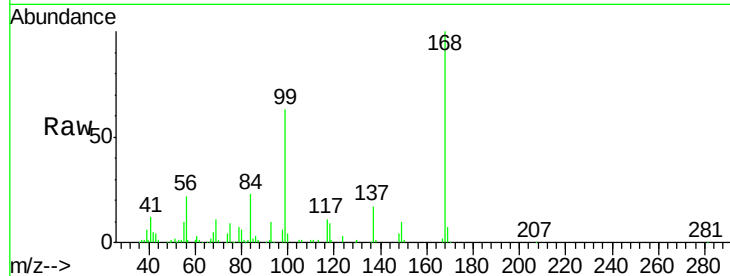
Tot Ion: 56 Resp: 62228

Ion Ratio Lower Upper

56 100

69 49.5 27.8 41.6#

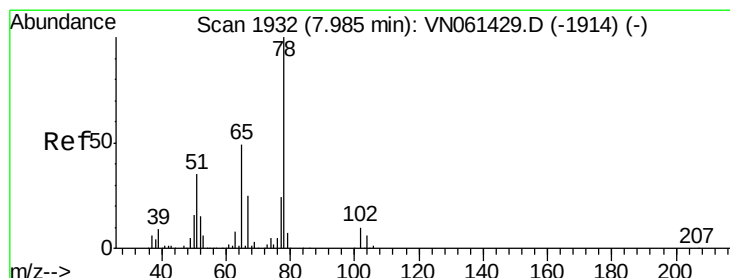
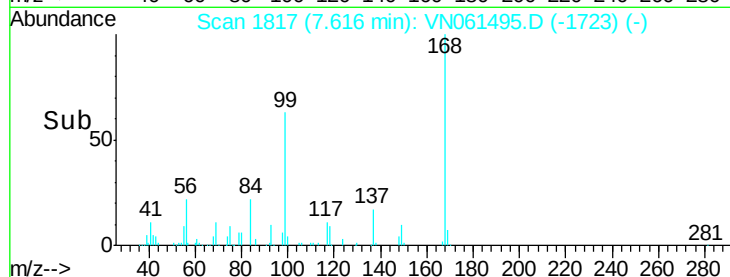
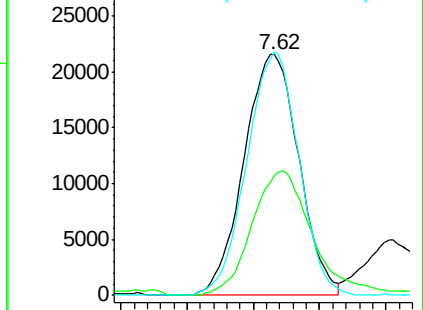
84 101.0 72.7 109.1



Abundance Ion 56.00 (55.70 to 56.70): VN061495.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061495.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061495.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.108 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061495.D

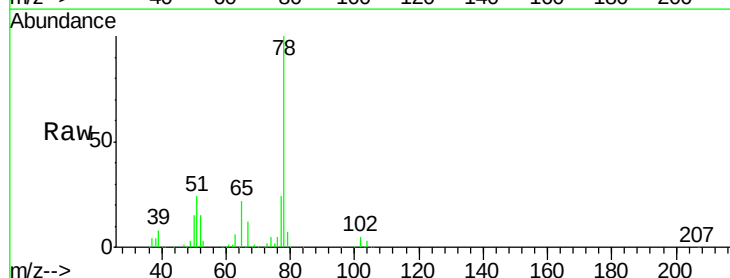
Acq: 19 May 2020 19:50

Tgt Ion: 65 Resp: 198759

Ion Ratio Lower Upper

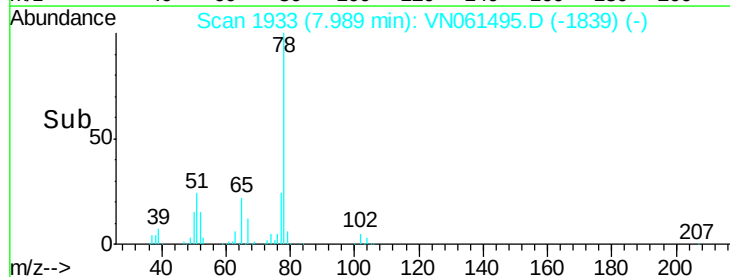
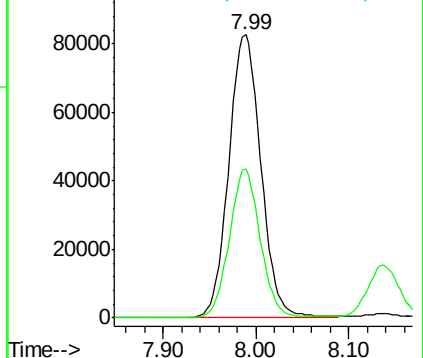
65 100

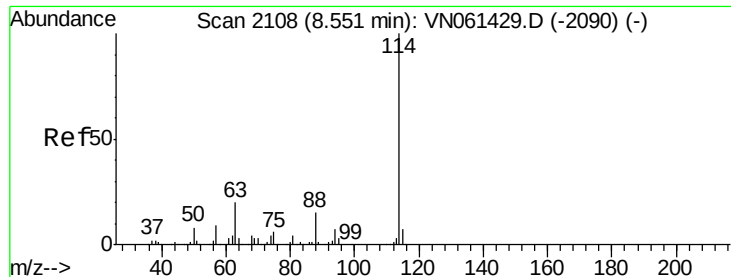
67 50.2 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN061495.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN061495.D (-1839) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

DUP-051320DL

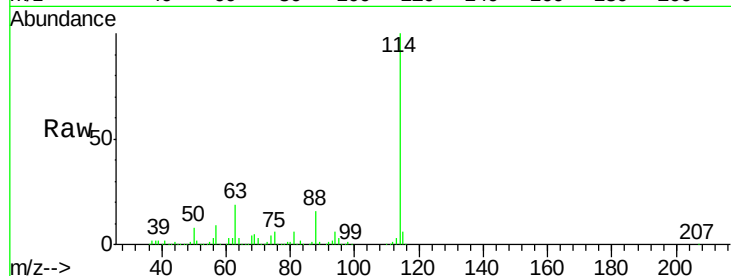
Tot Ion:114 Resp: 533608

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.8

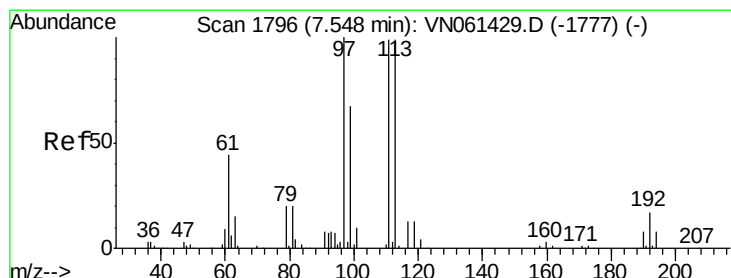
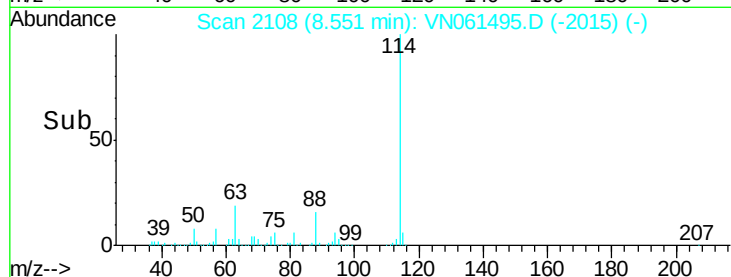
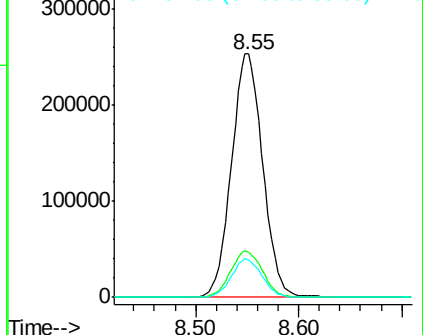
88 15.6 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 52.632 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

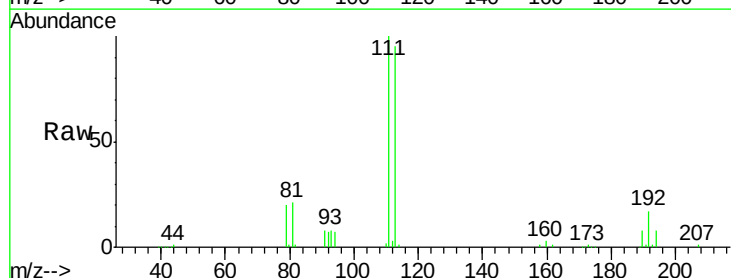
Tgt Ion:113 Resp: 147128

Ion Ratio Lower Upper

113 100

111 103.6 80.6 121.0

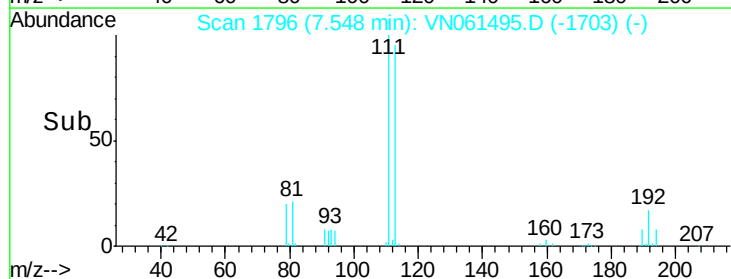
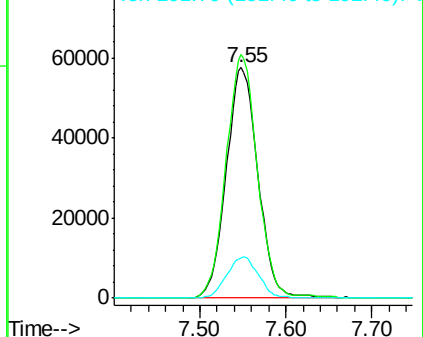
192 17.8 13.2 19.8

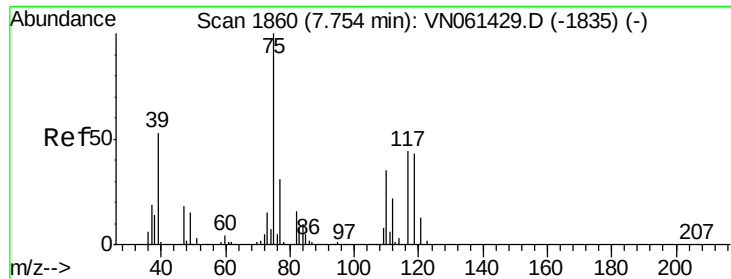


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

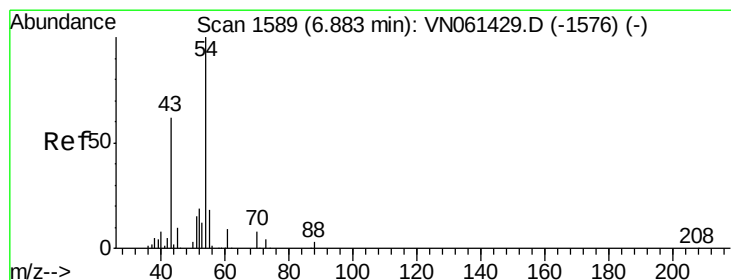
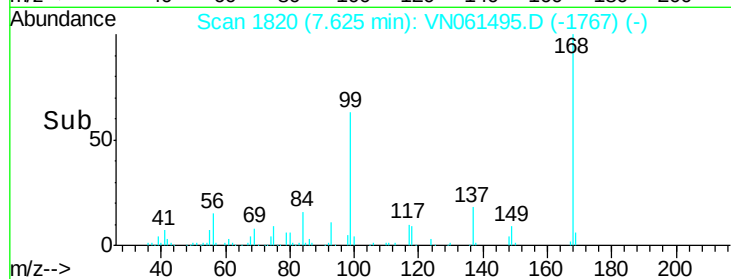
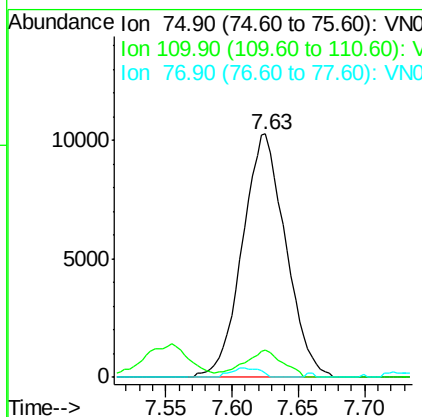
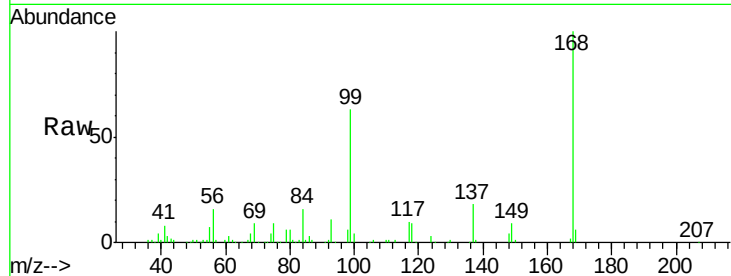




#36
 1,1-Dichloropropene
 Concen: 4.681 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

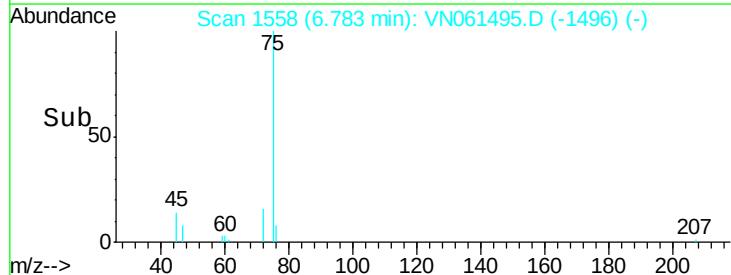
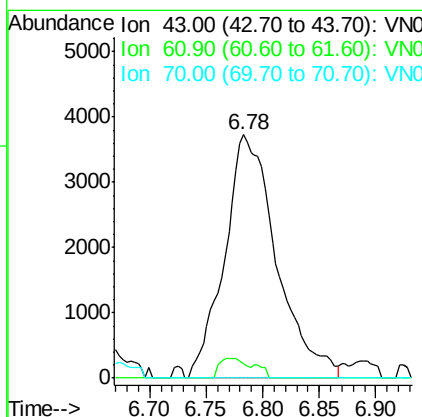
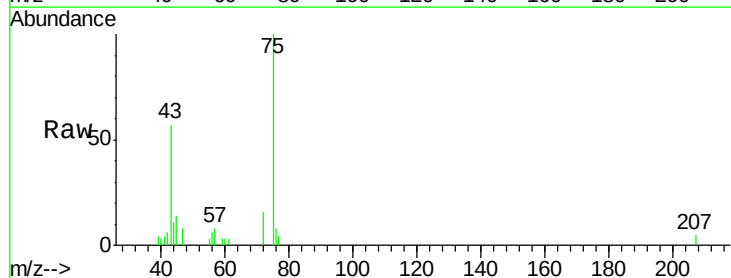
Instrument :
 MSVOA_N
 ClientSampled :
 DUP-051320DL

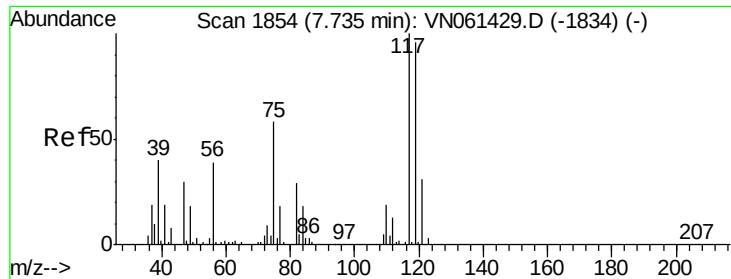
Tot Ion	75	Resp	23355
Ion Ratio	Lower	Upper	
75	100		
110	10.1	17.3	51.9#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 2.640 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.10 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

Tgt Ion	43	Resp	11946
Ion Ratio	Lower	Upper	
43	100		
61	4.0	11.7	17.5#
70	0.0	9.2	13.8#

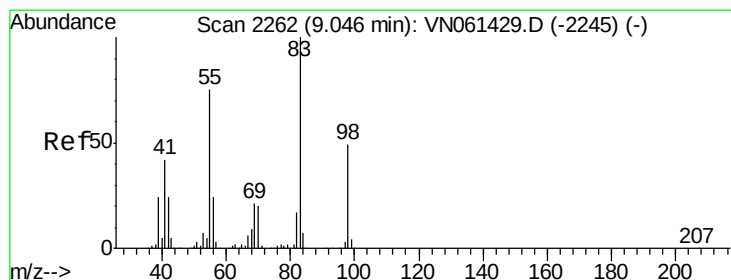
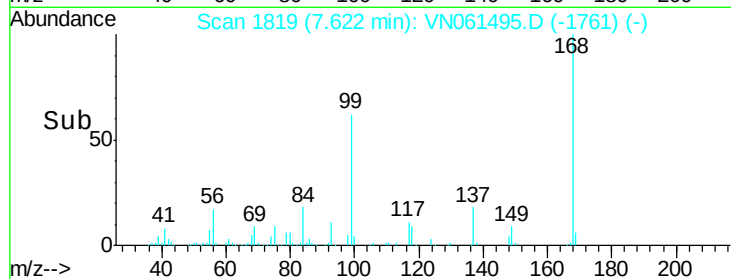
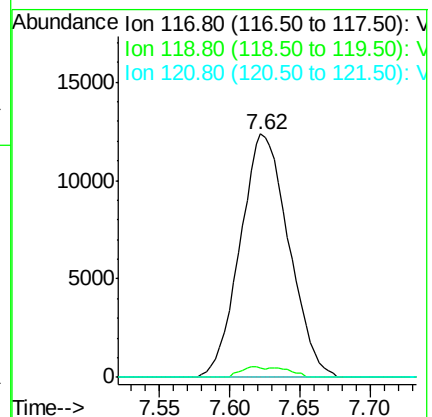
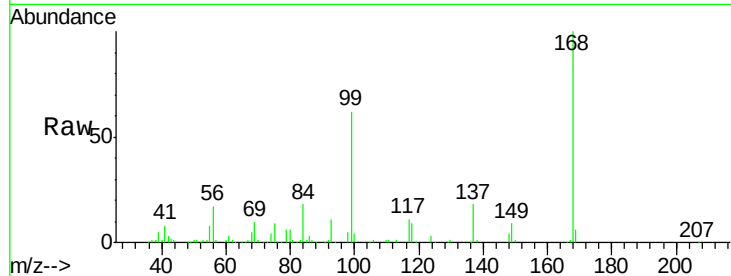




#38
Carbon Tetrachloride
Concen: 6.480 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

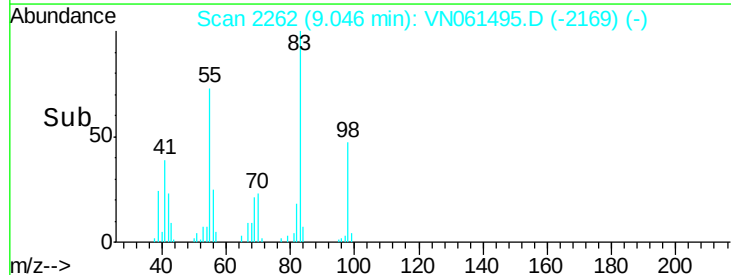
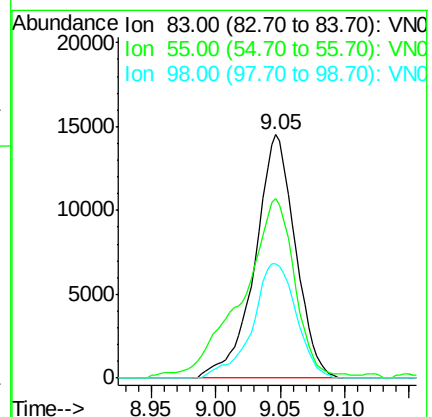
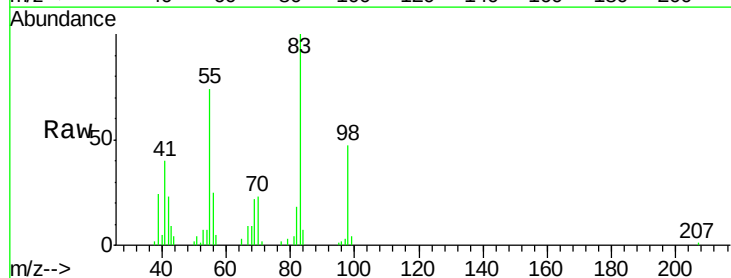
Instrument :
MSVOA_N
ClientSampleId :
DUP-051320DL

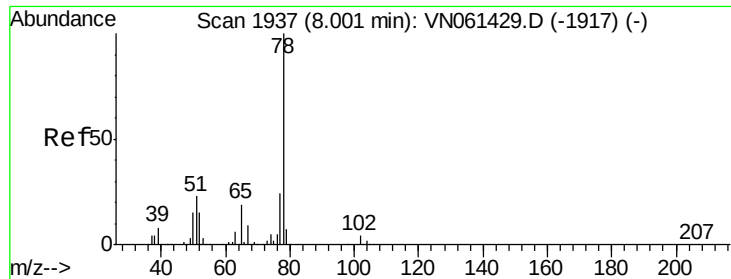
Tot Ion:117 Resp: 29769
Ion Ratio Lower Upper
117 100
119 3.7 77.0 115.6#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 5.194 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

Tgt Ion: 83 Resp: 31653
Ion Ratio Lower Upper
83 100
55 71.8 59.7 89.5
98 46.8 38.9 58.3





#40

Benzene

Concen: 89.622 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

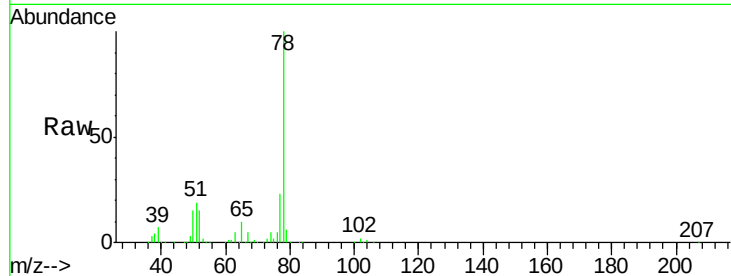
DUP-051320DL

Tot Ion: 78 Resp: 1347578

Ion Ratio Lower Upper

78 100

77 23.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN061429.D (-1917) (-)

Ion 77.00 (76.70 to 77.70): VN061429.D (-1917) (-)

8.00

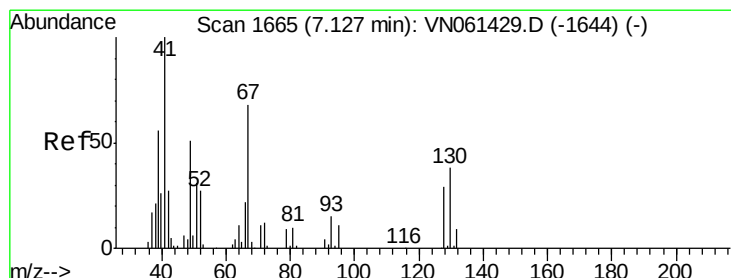
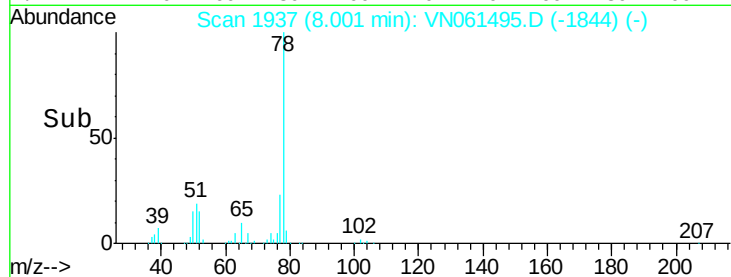
600000

400000

200000

0

Time-->



#41

Methacrylonitrile

Concen: 0.235 ug/l

RT: 7.14 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Tgt Ion: 41 Resp: 449

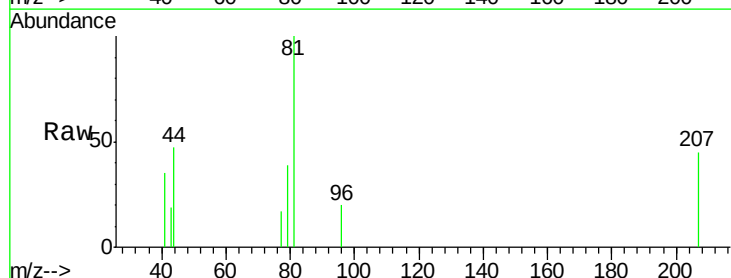
Ion Ratio Lower Upper

41 100

39 72.8 48.3 72.5#

67 0.0 74.2 111.4#

52 0.0 30.8 46.2#



Abundance Ion 41.00 (40.70 to 41.70): VN061429.D (-1644) (-)

Ion 39.00 (38.70 to 39.70): VN061429.D (-1644) (-)

Ion 67.00 (66.70 to 67.70): VN061429.D (-1644) (-)

Ion 52.00 (51.70 to 52.70): VN061429.D (-1644) (-)

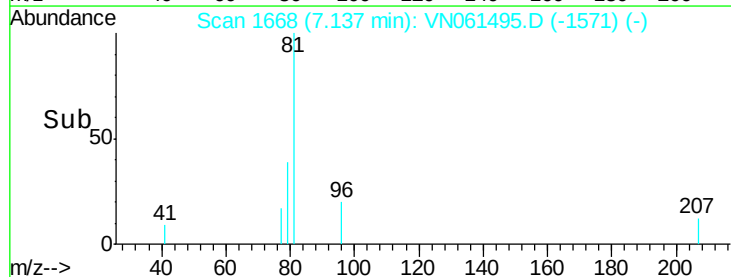
7.14

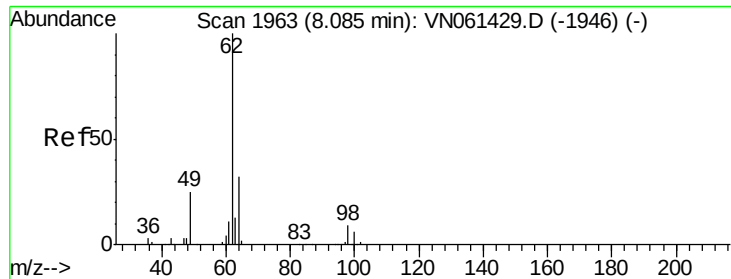
400

200

0

Time-->

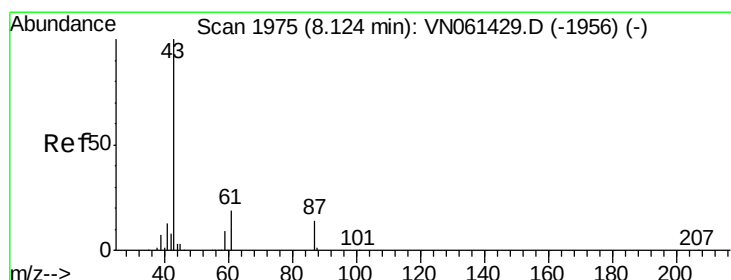
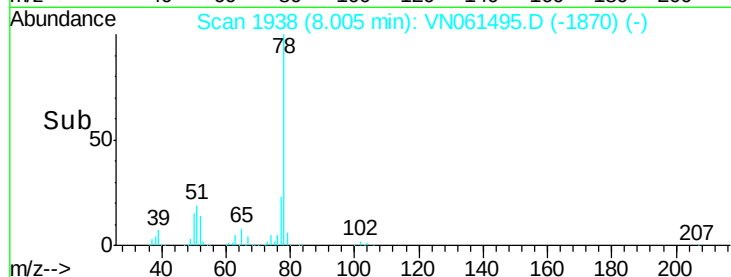
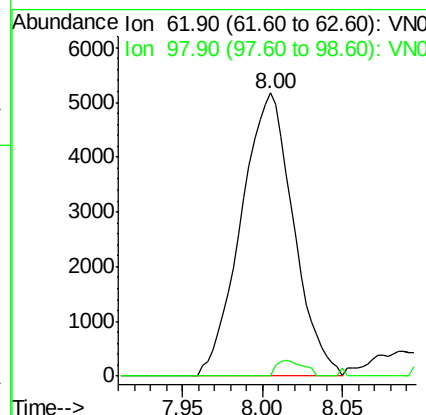
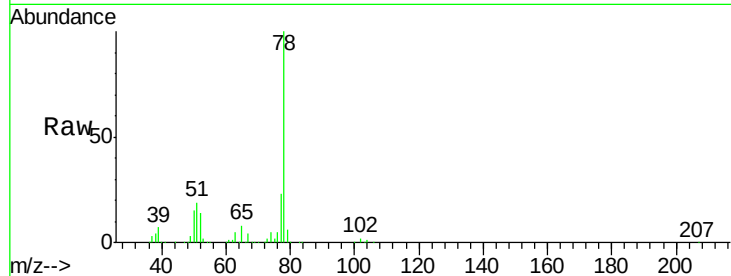




#42
 1,2-Dichloroethane
 Concen: 2.141 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.08 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

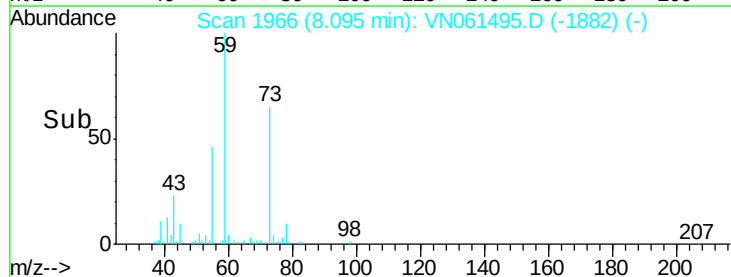
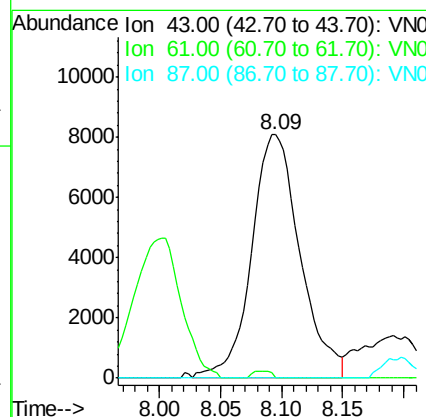
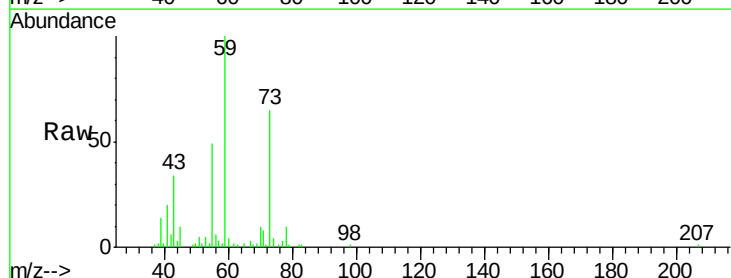
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-051320DL

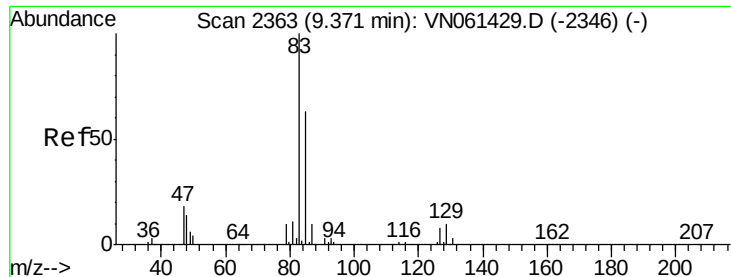
Tot Ion: 62 Resp: 11597
 Ion Ratio Lower Upper
 62 100
 98 2.9 0.0 18.4



#43
 Isopropyl Acetate
 Concen: 2.827 ug/l
 RT: 8.09 min Scan# 1966
 Delta R.T. -0.03 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

Tgt Ion: 43 Resp: 22307
 Ion Ratio Lower Upper
 43 100
 61 0.0 23.0 34.4#
 87 0.0 11.6 17.4#





#47

Bromodichloromethane

Concen: 0.311 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

DUP-051320DL

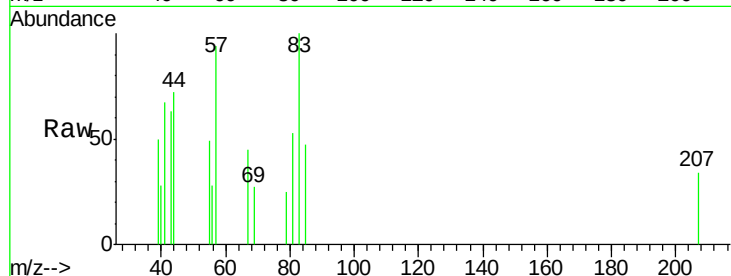
Tot Ion: 83 Resp: 1727

Ion Ratio Lower Upper

83 100

85 46.9 50.6 76.0#

127 0.0 6.1 9.1#

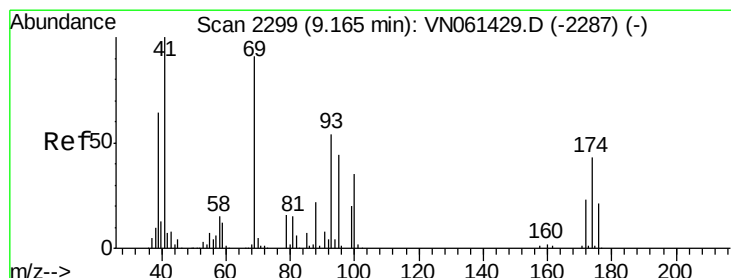
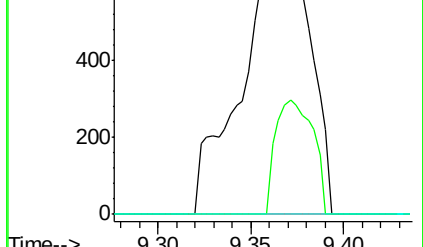
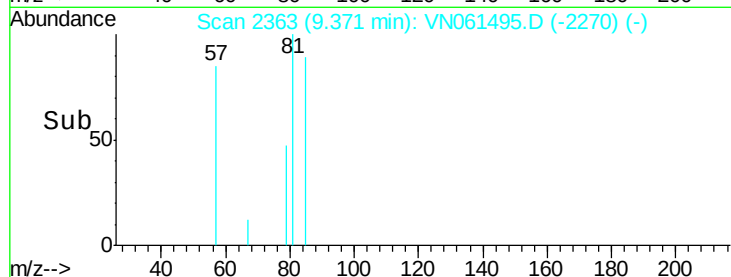


Abundance Ion 82.90 (82.60 to 83.60): VN061495.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061495.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061495.D (-2270) (-)

Time-->



#48

Methyl methacrylate

Concen: 1.236 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.07 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

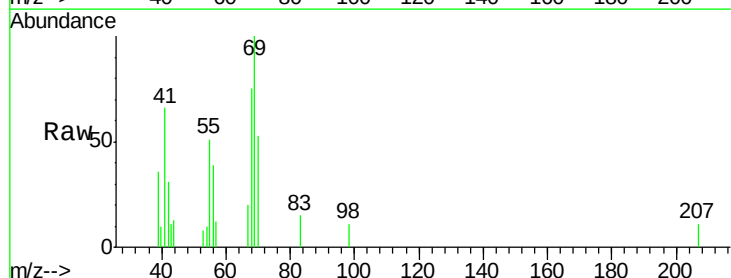
Tgt Ion: 41 Resp: 4507

Ion Ratio Lower Upper

41 100

69 136.1 75.3 112.9#

39 52.3 52.6 79.0#

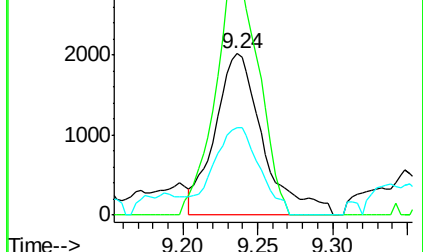
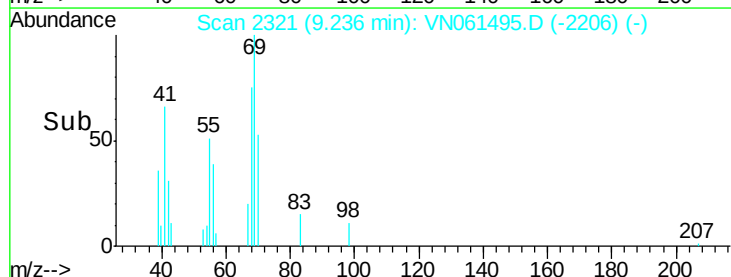


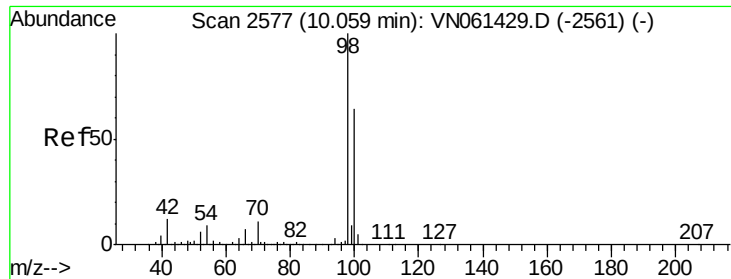
Abundance Ion 41.00 (40.70 to 41.70): VN061495.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061495.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061495.D (-2206) (-)

Time-->





#50

Toluene-d8

Concen: 50.565 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

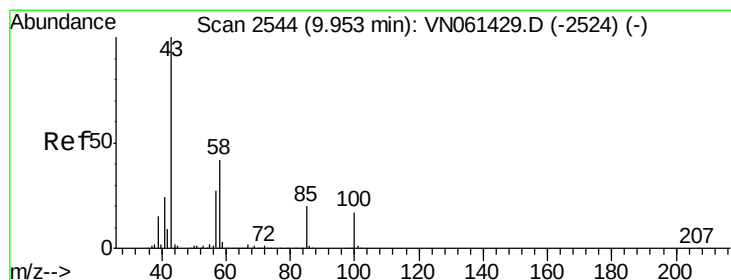
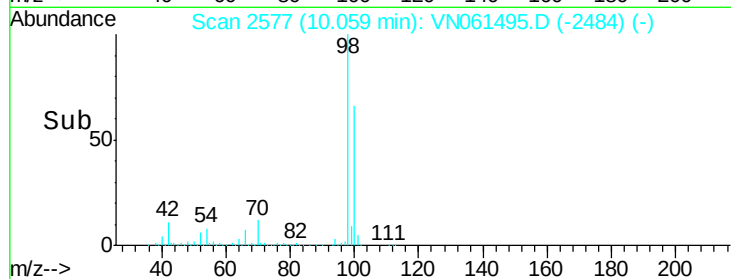
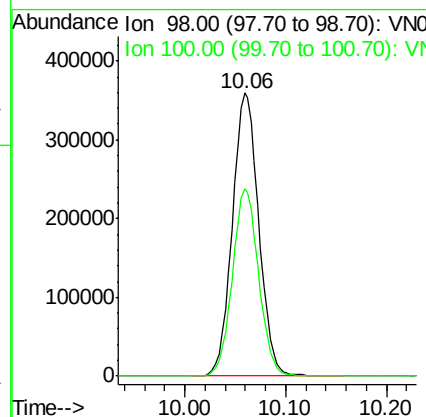
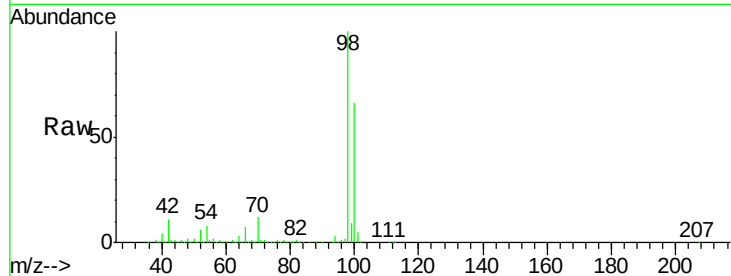
DUP-051320DL

Tot Ion: 98 Resp: 655620

Ion Ratio Lower Upper

98 100

100 65.7 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.888 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061495.D

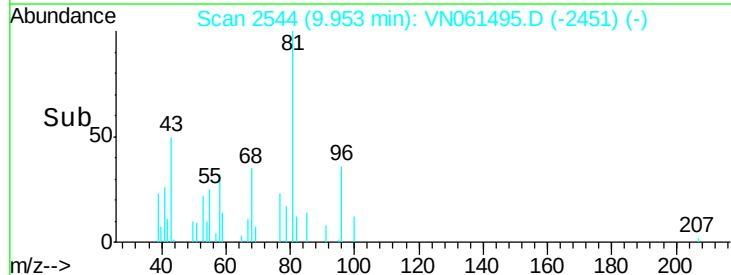
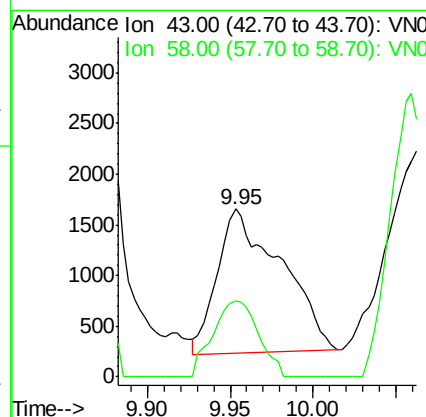
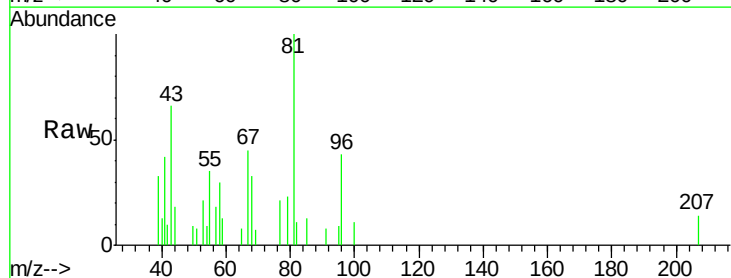
Acq: 19 May 2020 19:50

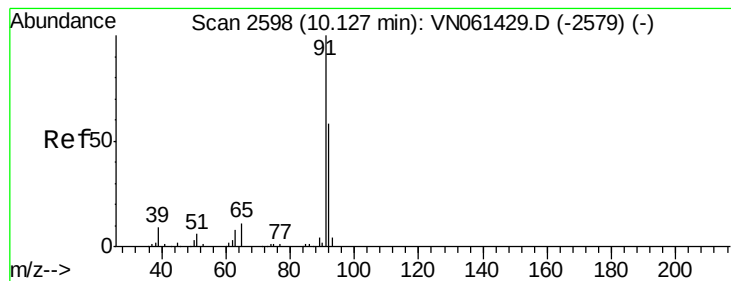
Tgt Ion: 43 Resp: 3816

Ion Ratio Lower Upper

43 100

58 37.5 33.4 50.2





#52

Toluene

Concen: 244.121 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

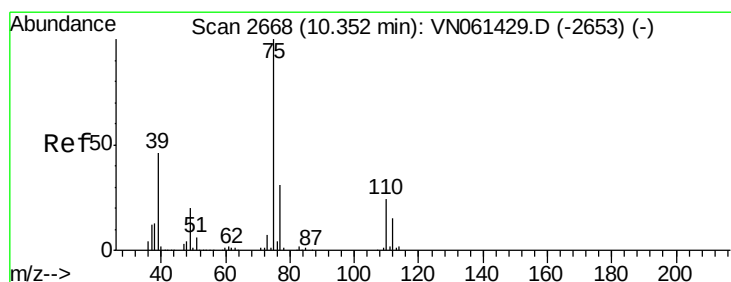
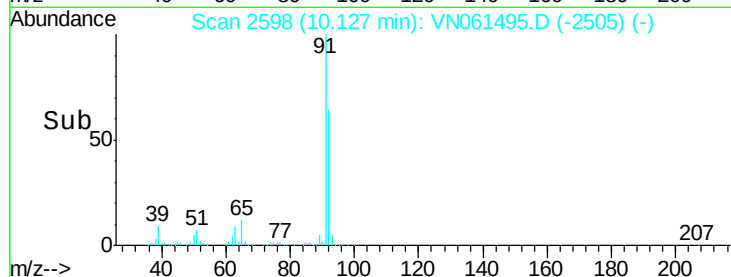
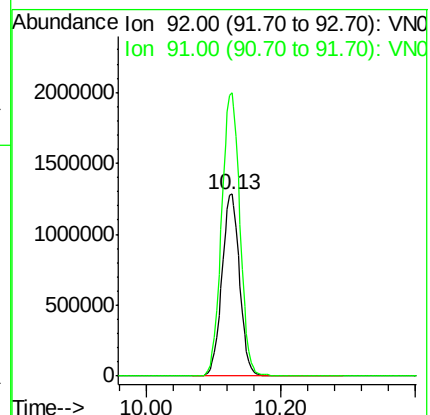
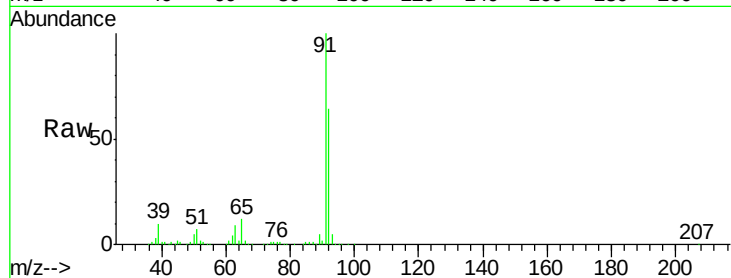
DUP-051320DL

Tot Ion: 92 Resp: 2356604

Ion Ratio Lower Upper

92 100

91 161.7 138.0 207.0



#53

t-1,3-Dichloropropene

Concen: 4.408 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.23 min

Lab File: VN061495.D

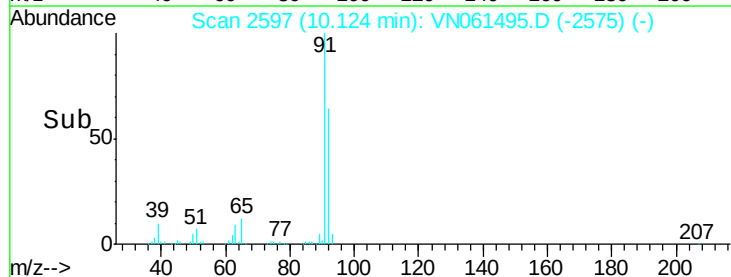
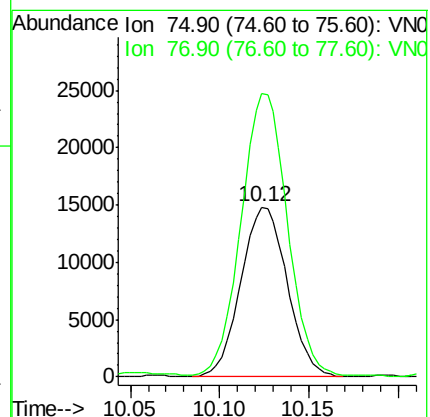
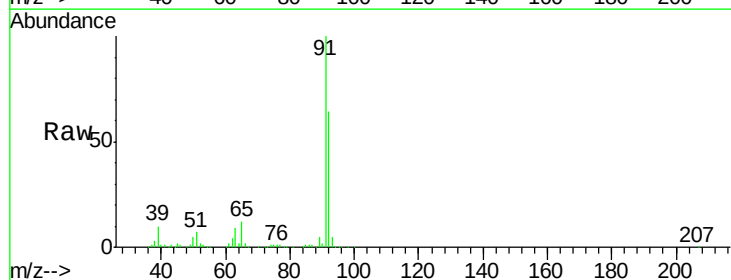
Acq: 19 May 2020 19:50

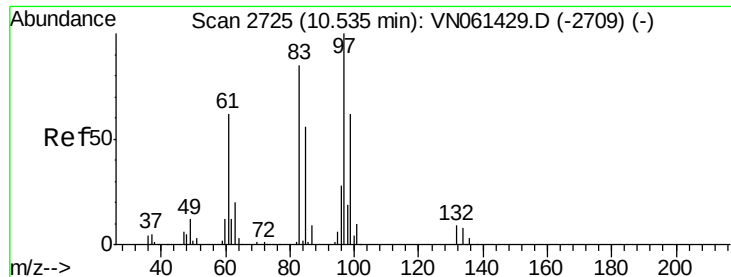
Tgt Ion: 75 Resp: 26859

Ion Ratio Lower Upper

75 100

77 165.5 24.8 37.2#

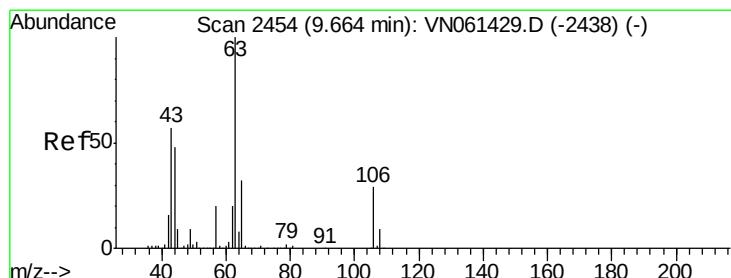
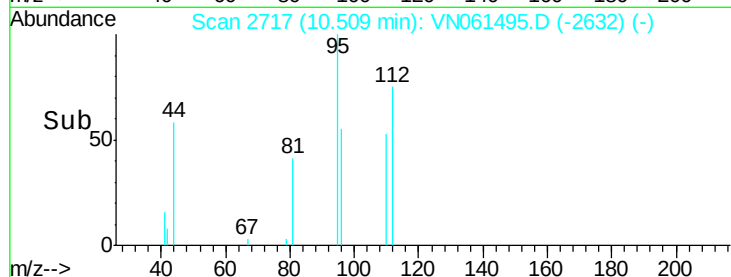
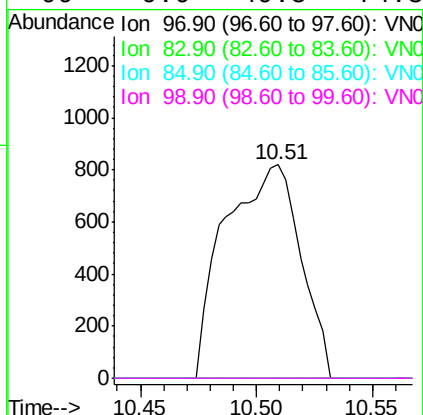
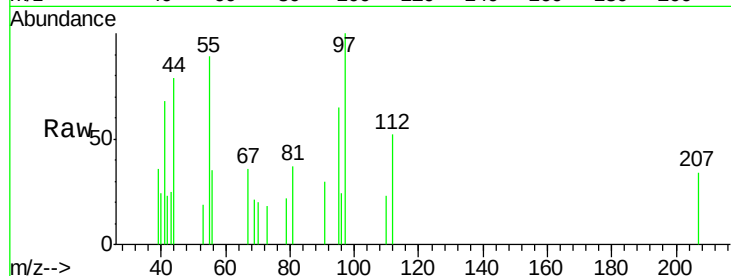




#55
 1,1,2-Trichloroethane
 Concen: 0.509 ug/l
 RT: 10.51 min Scan# 2717
 Delta R.T. -0.03 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

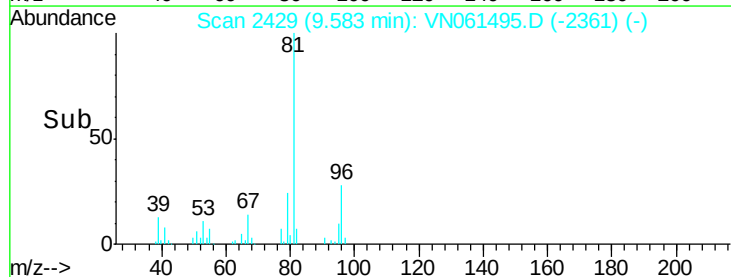
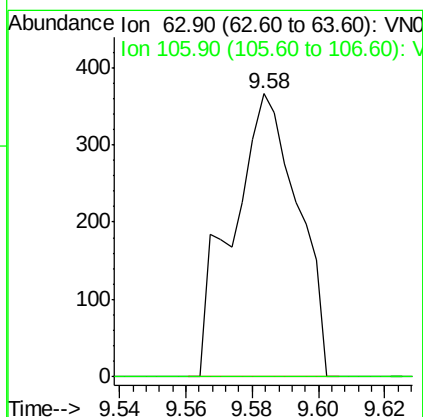
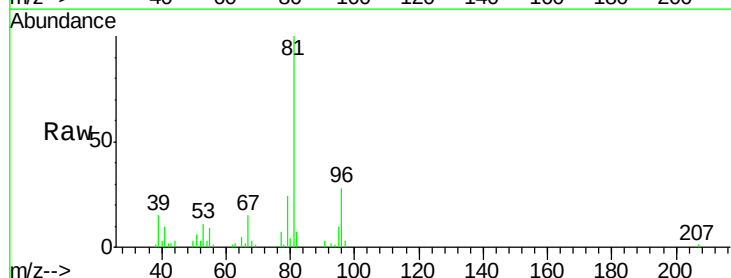
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-051320DL

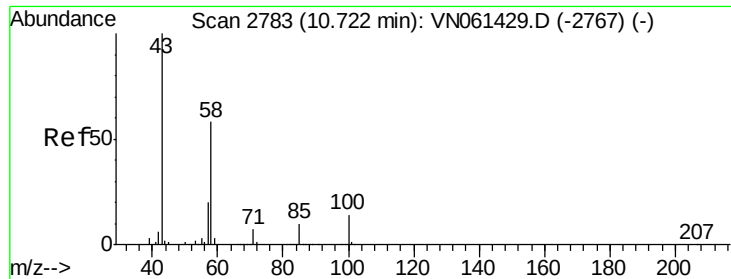
Tot Ion: 97 Resp: 1856
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.2 102.4#
 85 0.0 44.6 67.0#
 99 0.0 49.5 74.3#



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.202 ug/l
 RT: 9.58 min Scan# 2429
 Delta R.T. -0.08 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

Tgt Ion: 63 Resp: 506
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.7 34.1#





#59

2-Hexanone

Concen: 1.841 ug/l

RT: 10.73 min Scan# 2785

Delta R.T. 0.01 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

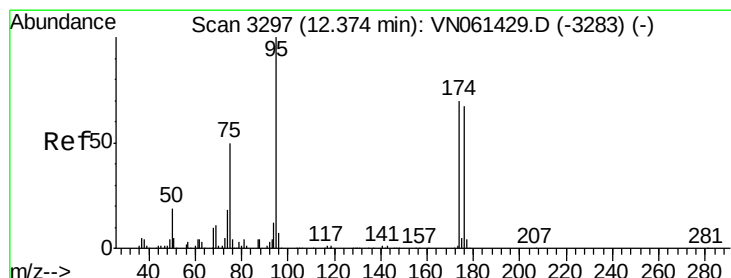
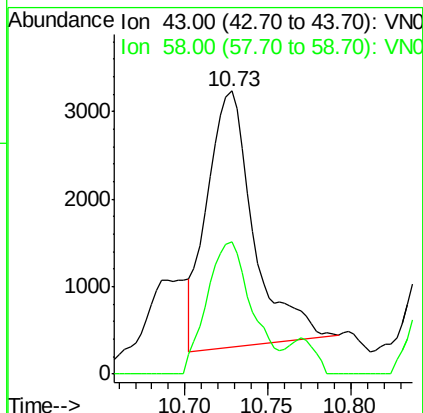
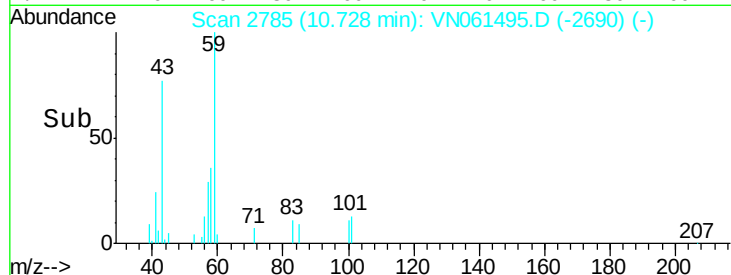
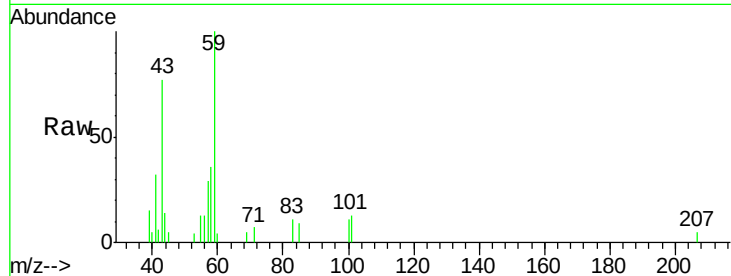
DUP-051320DL

Tot Ion: 43 Resp: 5725

Ion Ratio Lower Upper

43 100

58 50.0 29.2 87.6



#62

4-Bromofluorobenzene

Concen: 54.610 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

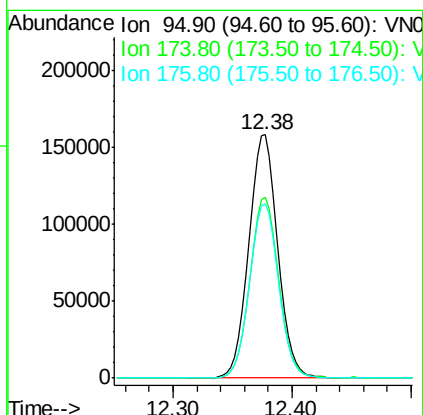
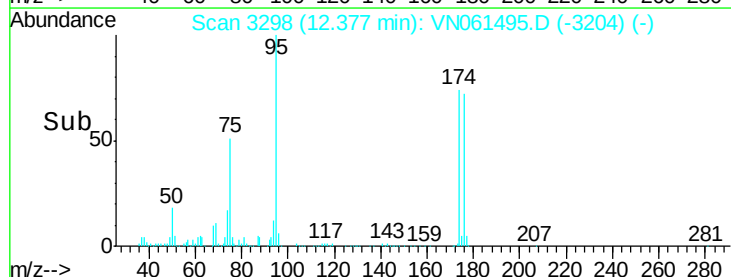
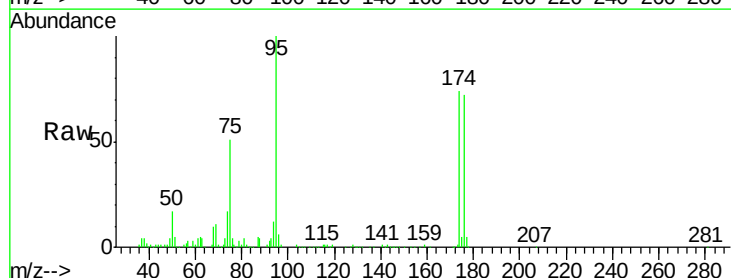
Tgt Ion: 95 Resp: 264536

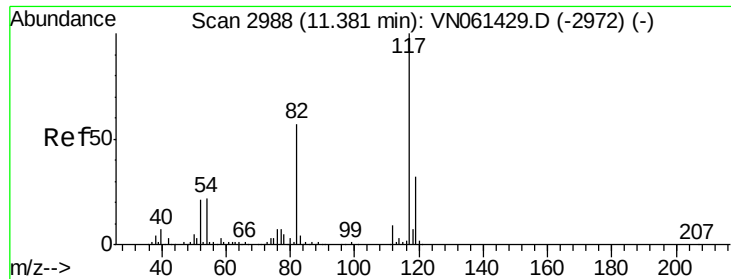
Ion Ratio Lower Upper

95 100

174 74.1 0.0 141.2

176 72.4 0.0 137.6

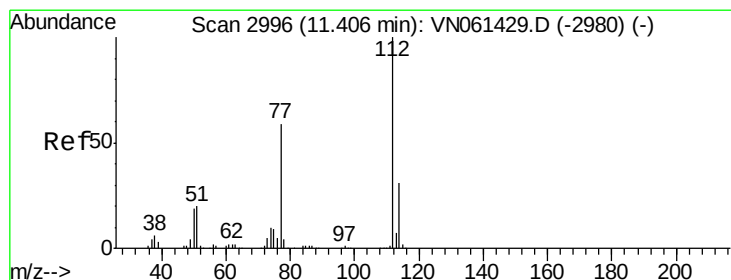
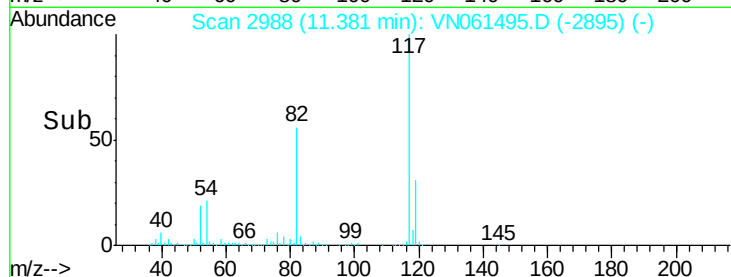
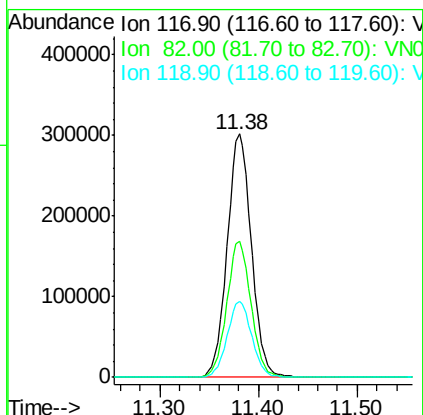
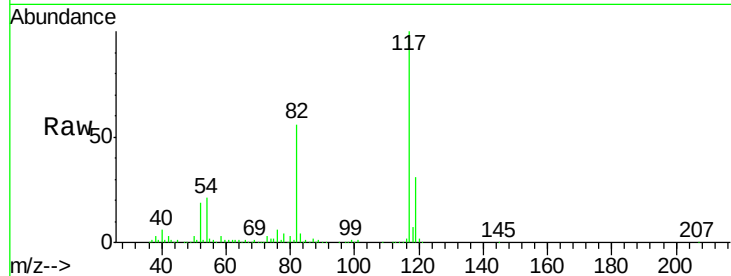




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

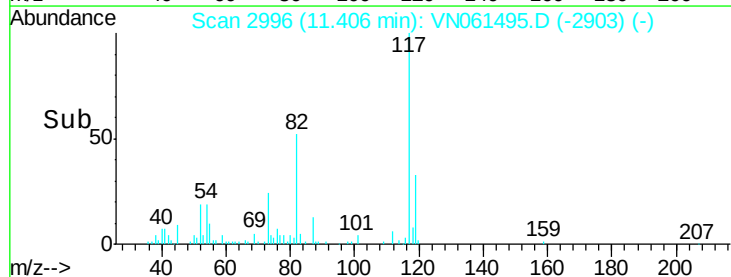
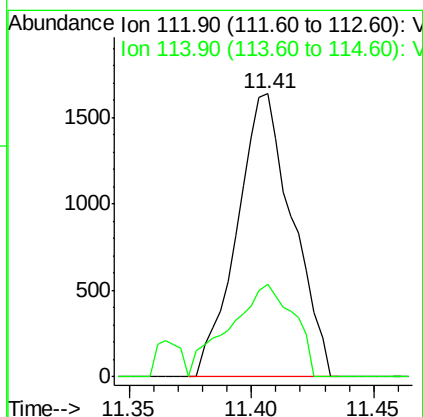
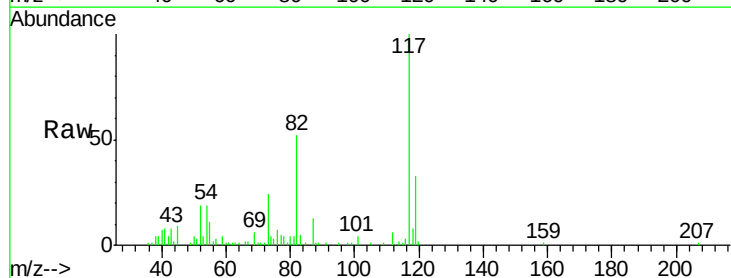
Instrument :
MSVOA_N
ClientSampleId :
DUP-051320DL

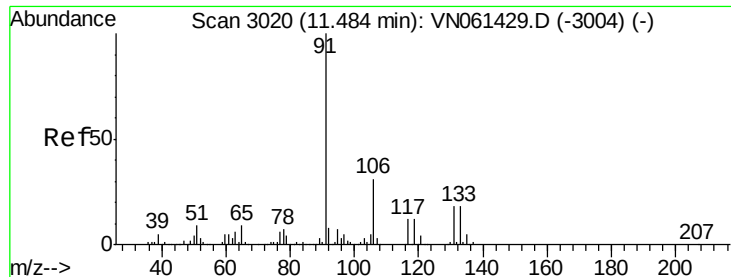
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.2	67.8
119	31.3	25.3	37.9



#65
Chlorobenzene
Concen: 0.243 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.0	37.6

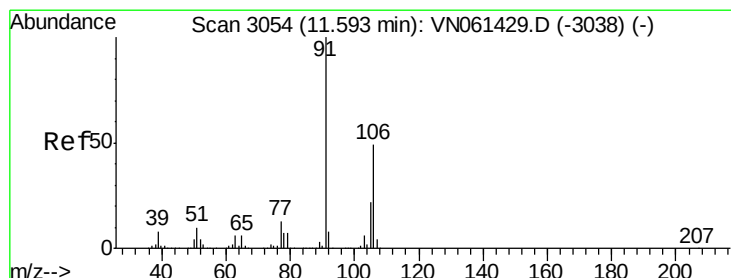
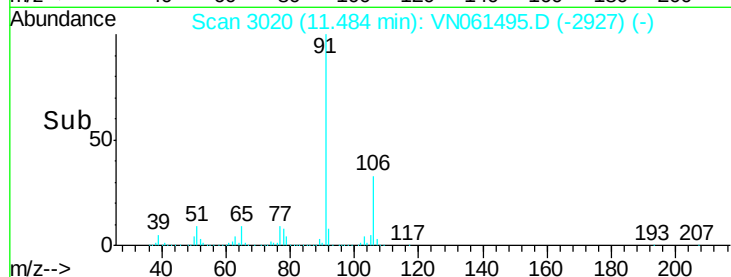
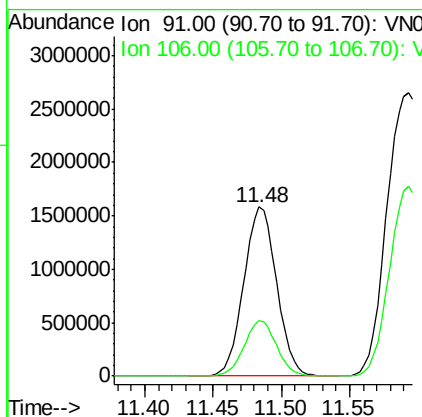
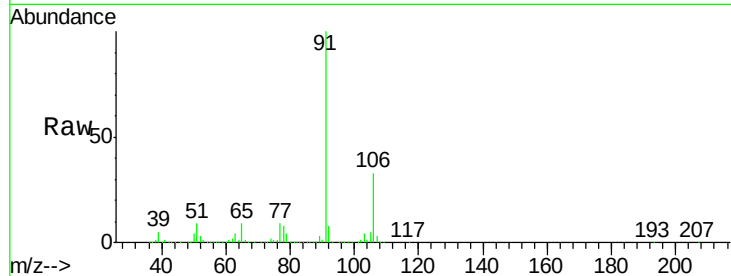




#67
Ethyl Benzene
Concen: 136.557 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

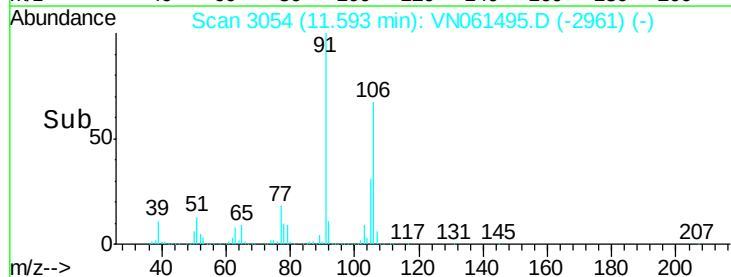
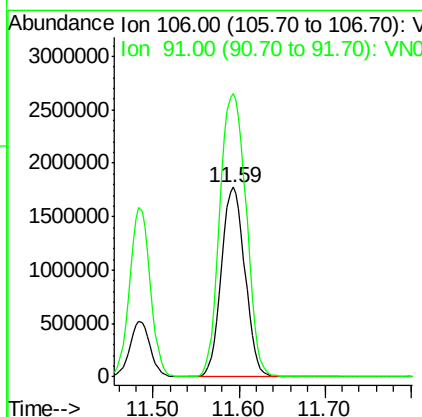
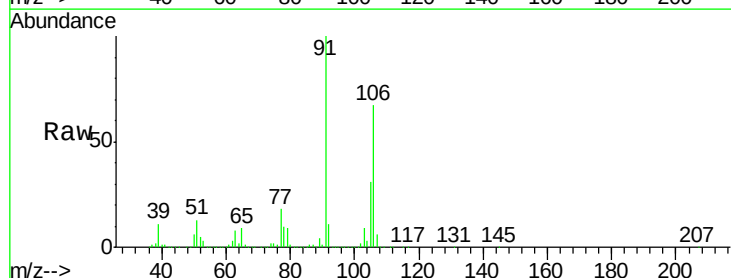
Instrument :
MSVOA_N
ClientSampleId :
DUP-051320DL

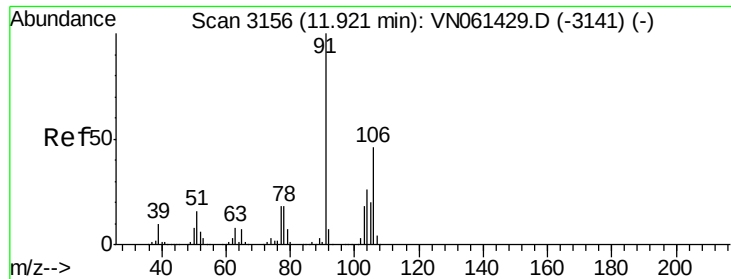
Tot Ion: 91 Resp: 2646694
Ion Ratio Lower Upper
91 100
106 33.2 24.6 36.8



#68
m/p-Xylenes
Concen: 459.831 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

Tgt Ion: 106 Resp: 3382847
Ion Ratio Lower Upper
106 100
91 167.4 163.0 244.6

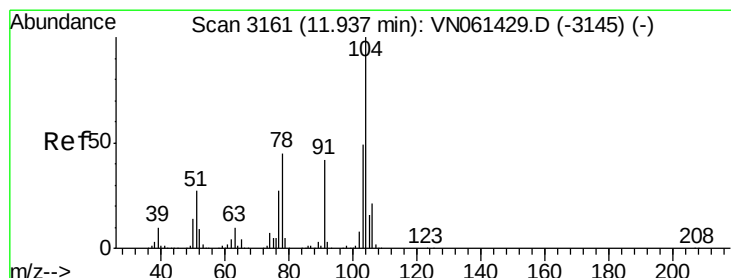
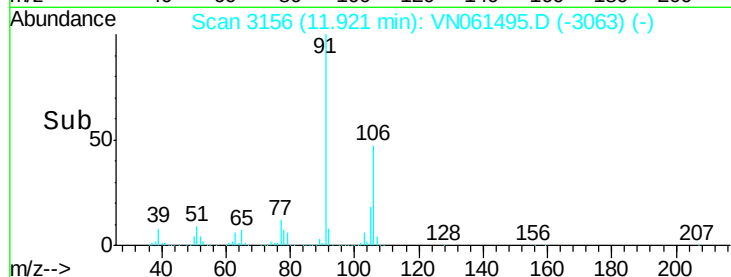
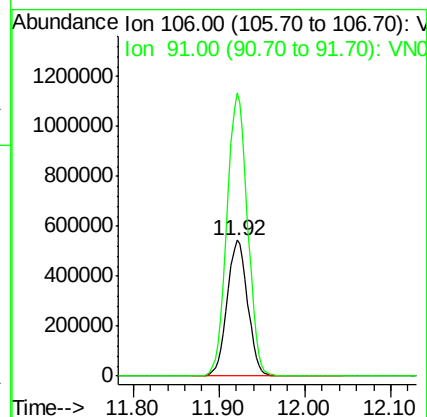
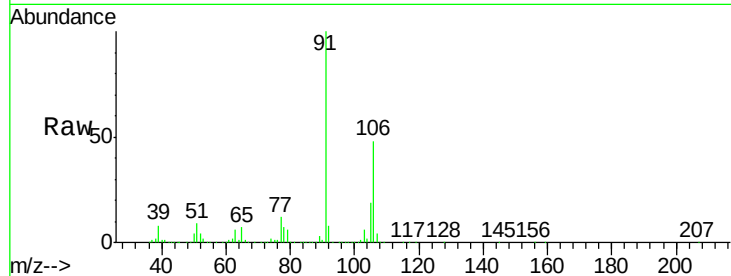




#69
o-Xylene
Concen: 126.732 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

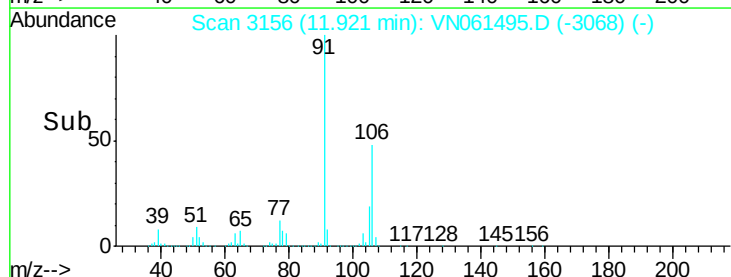
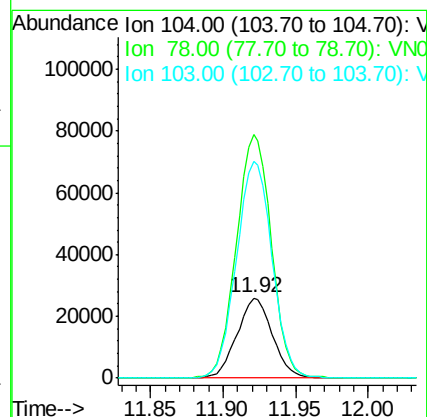
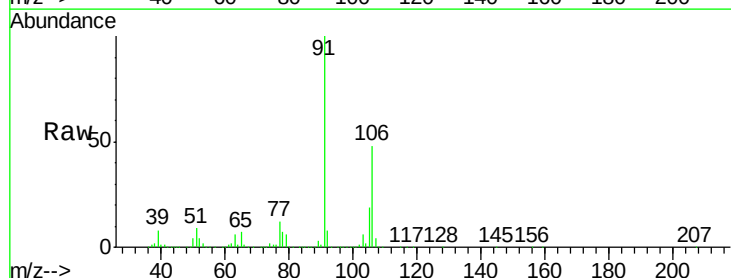
Instrument :
MSVOA_N
ClientSampleId :
DUP-051320DL

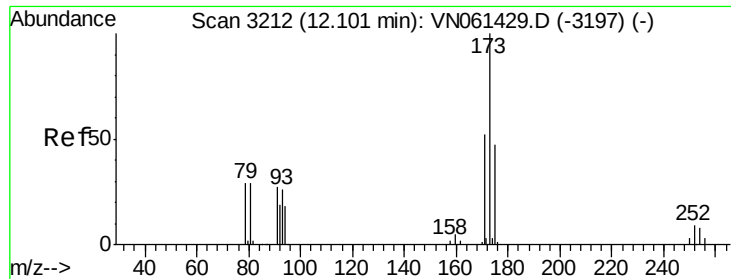
Tot Ion:106 Resp: 902229
Ion Ratio Lower Upper
106 100
91 209.7 107.9 323.7



#70
Styrene
Concen: 3.722 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.02 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

Tgt Ion:104 Resp: 43882
Ion Ratio Lower Upper
104 100
78 301.5 40.7 61.1#
103 274.6 43.0 64.4#

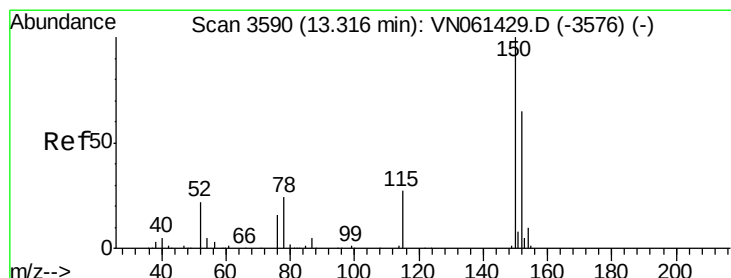
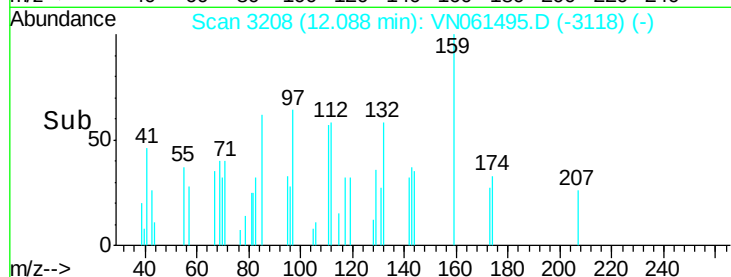
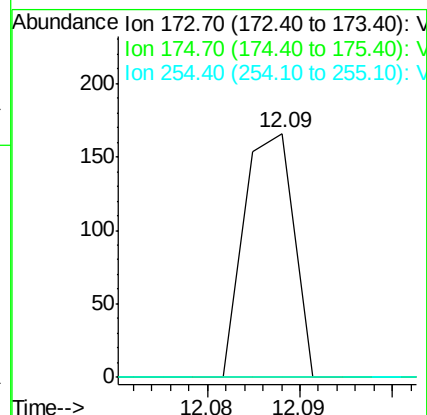
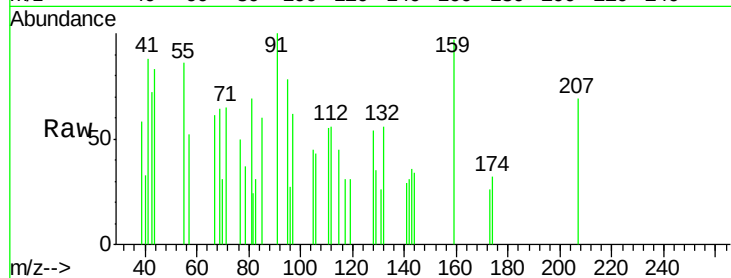




#71
Bromoform
Concen: 2.040 ug/l
RT: 12.09 min Scan# 3208
Delta R.T. -0.01 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

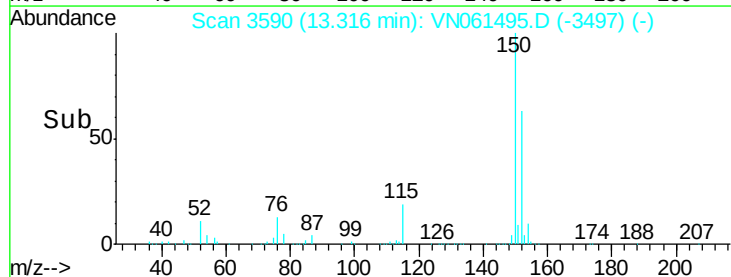
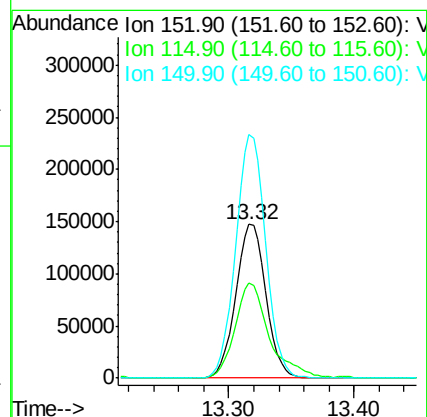
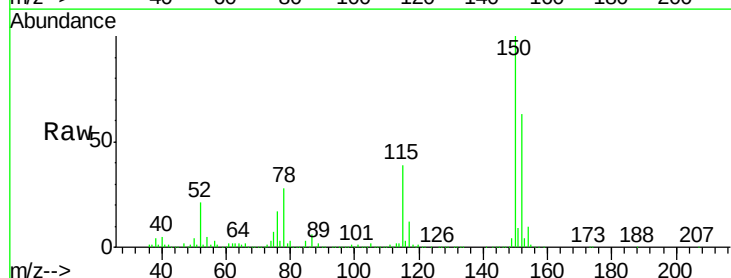
Instrument :
MSVOA_N
ClientSampleId :
DUP-051320DL

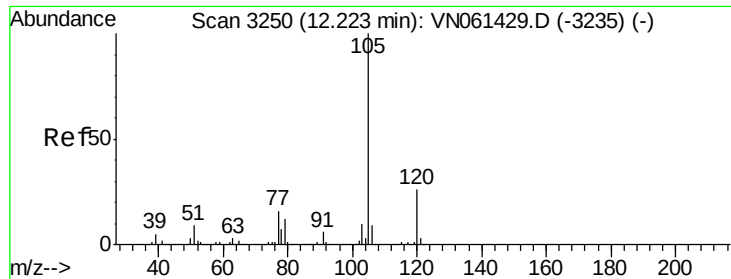
Tot Ion:173 Resp: 62
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

Tgt Ion:152 Resp: 245681
Ion Ratio Lower Upper
152 100
115 68.2 30.9 92.5
150 158.1 0.0 349.2





#73

Isopropylbenzene

Concen: 6.133 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

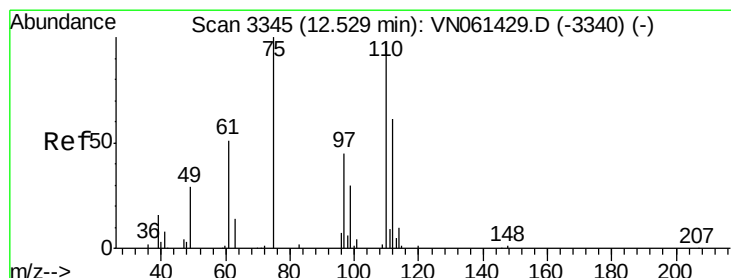
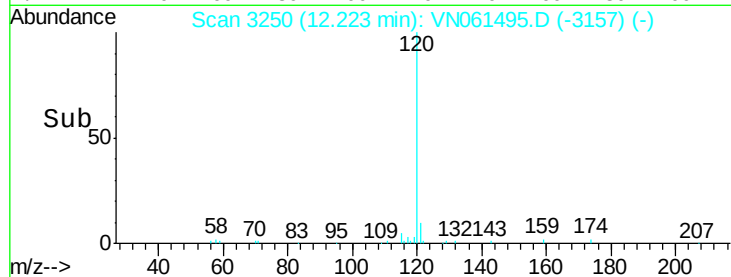
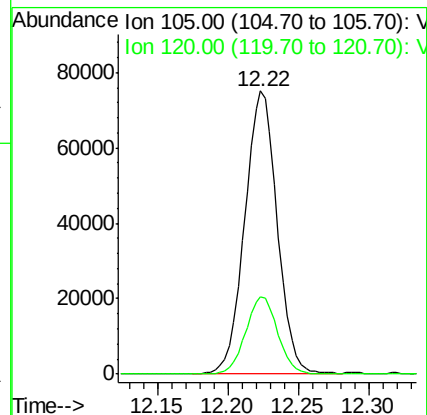
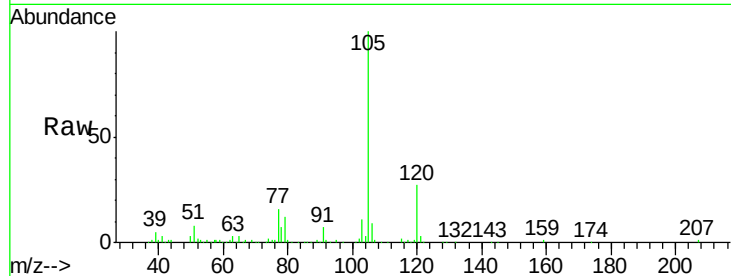
DUP-051320DL

Tot Ion:105 Resp: 120971

Ion Ratio Lower Upper

105 100

120 27.1 13.0 39.0



#76

1,2,3-Trichloropropane

Concen: 1.706 ug/l

RT: 12.63 min Scan# 3376

Delta R.T. 0.10 min

Lab File: VN061495.D

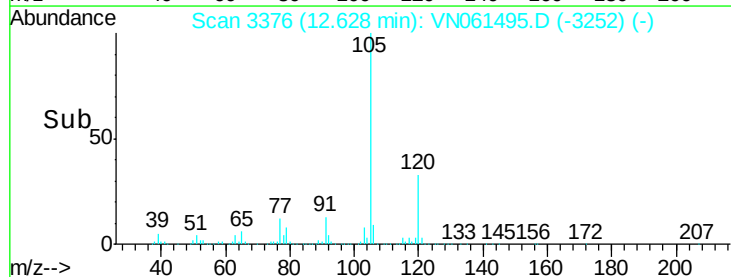
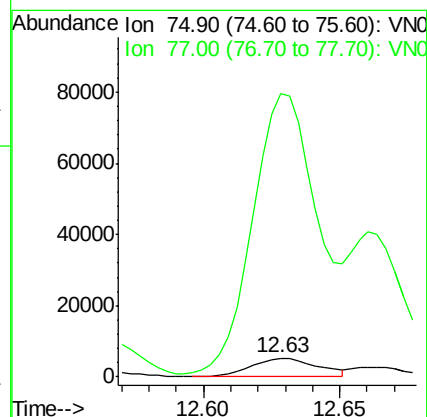
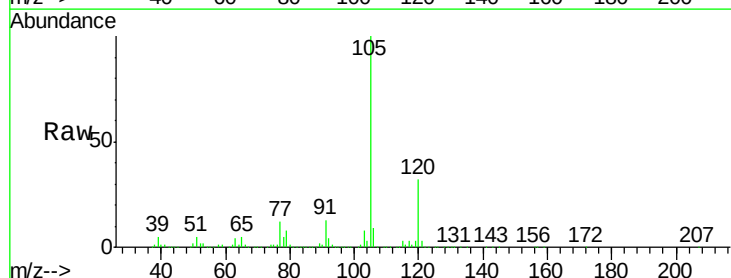
Acq: 19 May 2020 19:50

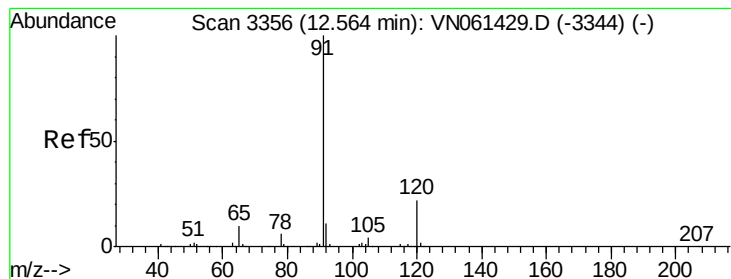
Tgt Ion: 75 Resp: 8991

Ion Ratio Lower Upper

75 100

77 1460.8 0.0 0.0#





#78

n-propylbenzene

Concen: 17.887 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

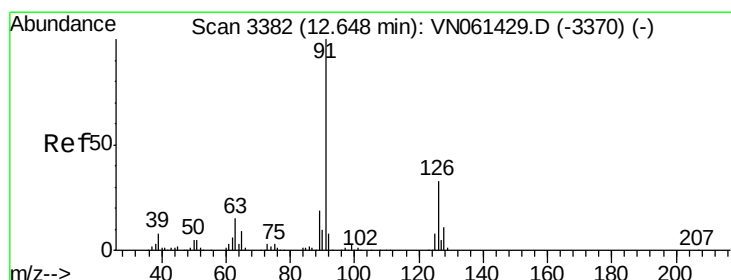
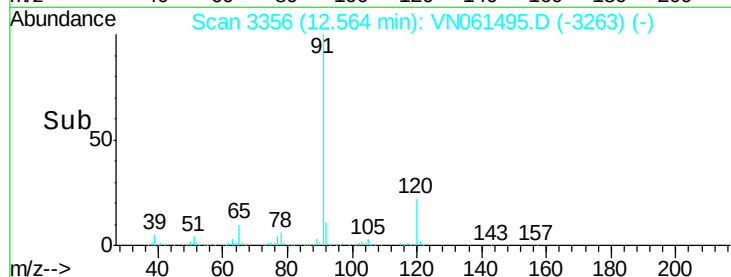
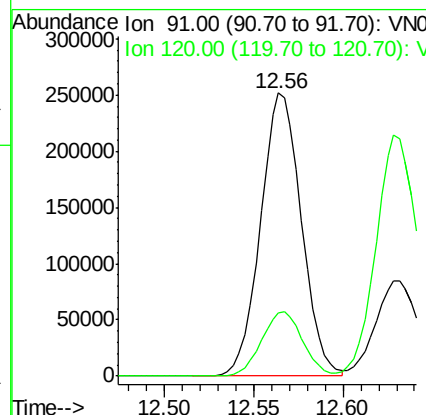
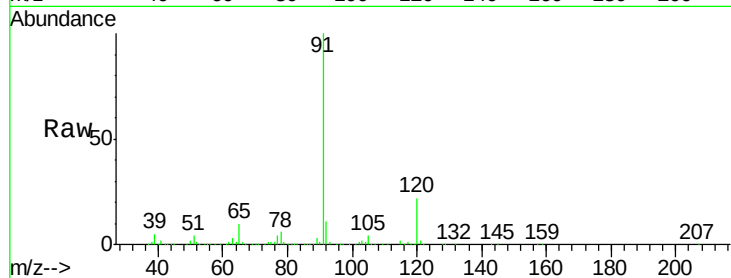
DUP-051320DL

Tot Ion: 91 Resp: 401974

Ion Ratio Lower Upper

91 100

120 23.1 11.2 33.6



#79

2-Chlorotoluene

Concen: 9.861 ug/l

RT: 12.63 min Scan# 3377

Delta R.T. -0.02 min

Lab File: VN061495.D

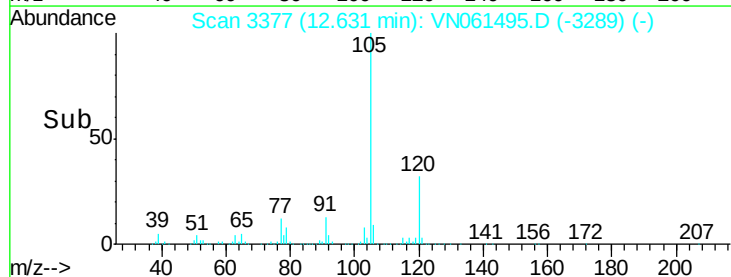
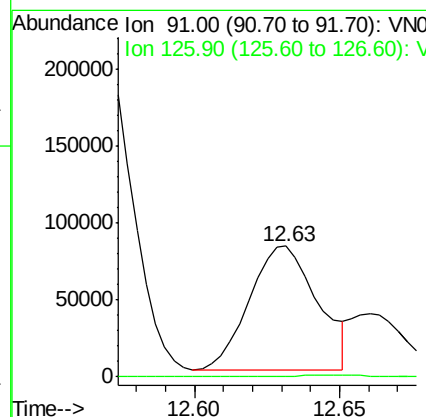
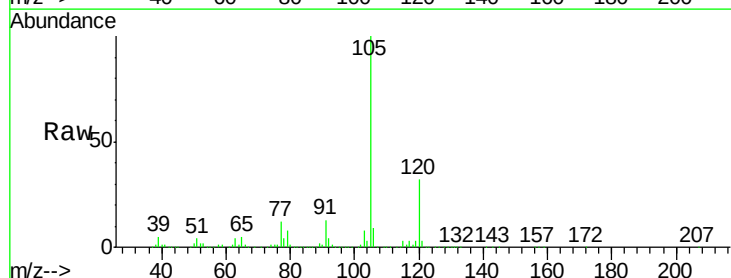
Acq: 19 May 2020 19:50

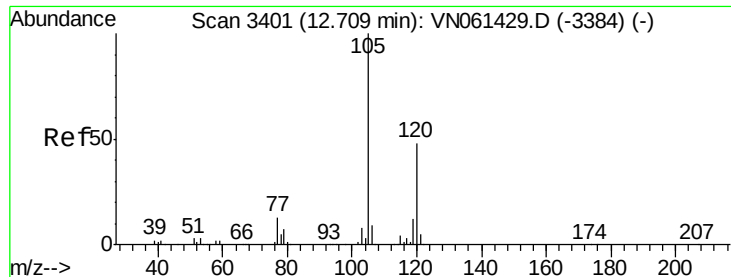
Tgt Ion: 91 Resp: 130987

Ion Ratio Lower Upper

91 100

126 1.6 16.3 48.9#





#80

1,3,5-Trimethylbenzene

Concen: 28.683 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

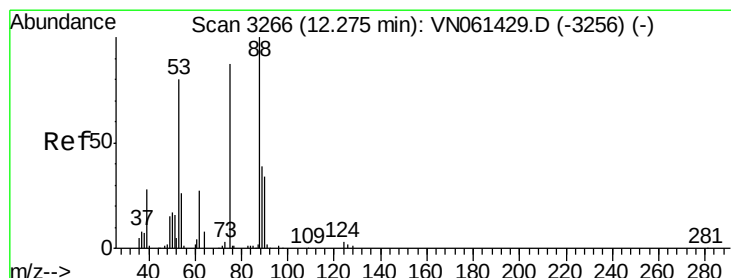
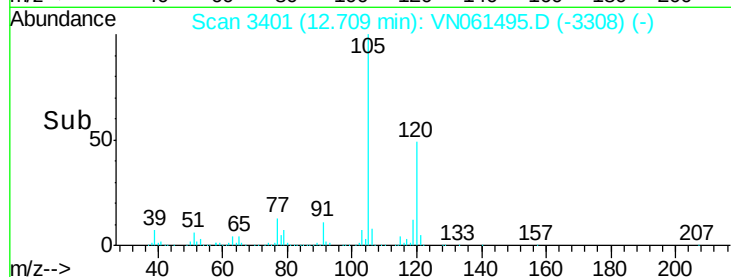
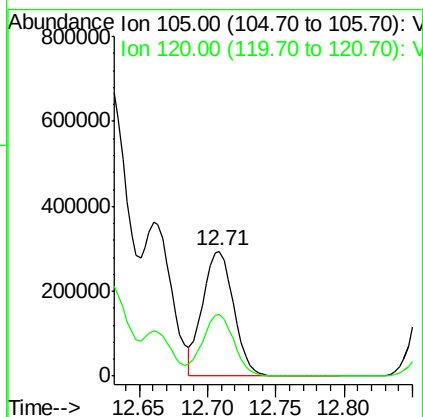
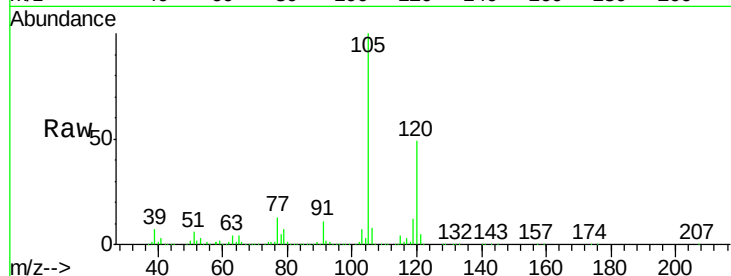
DUP-051320DL

Tot Ion:105 Resp: 463214

Ion Ratio Lower Upper

105 100

120 50.3 24.1 72.4



#81

trans-1,4-Dichloro-2-butene

Concen: 67.736 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

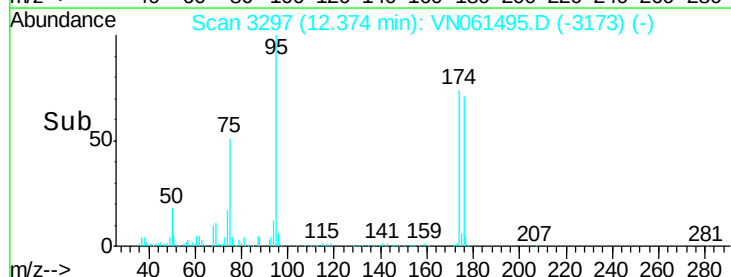
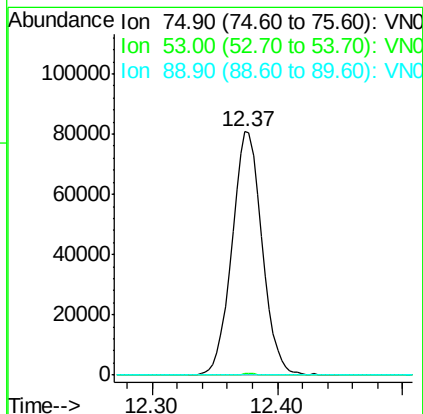
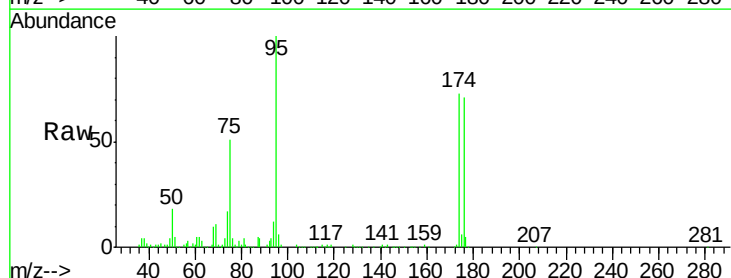
Tgt Ion: 75 Resp: 134608

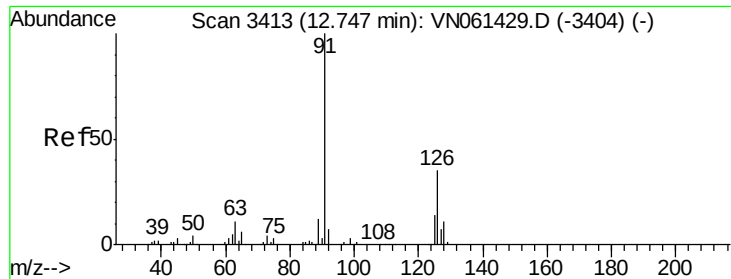
Ion Ratio Lower Upper

75 100

53 0.4 75.2 112.8#

89 0.0 38.2 57.4#





#82

4-Chlorotoluene

Concen: 3.371 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.04 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

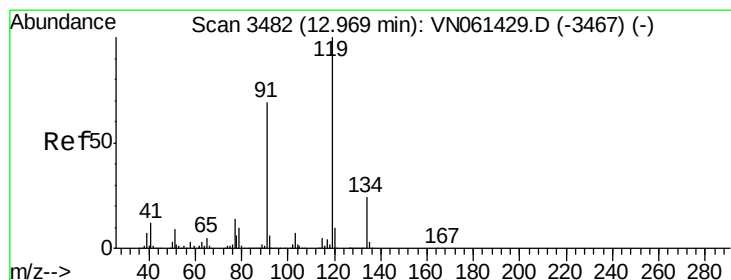
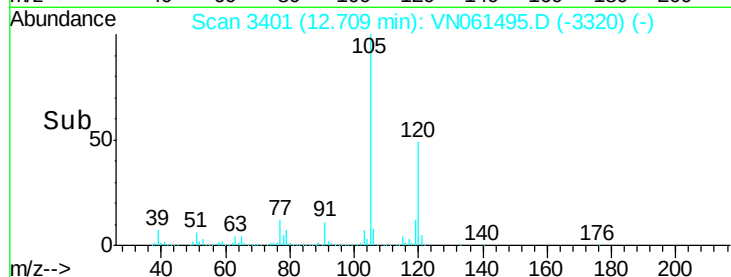
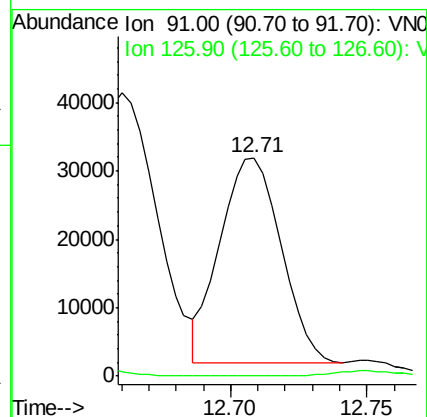
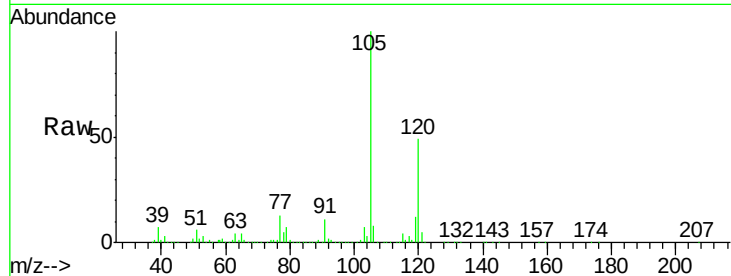
DUP-051320DL

Tot Ion: 91 Resp: 46369

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.2#



#83

tert-Butylbenzene

Concen: 16.355 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.05 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

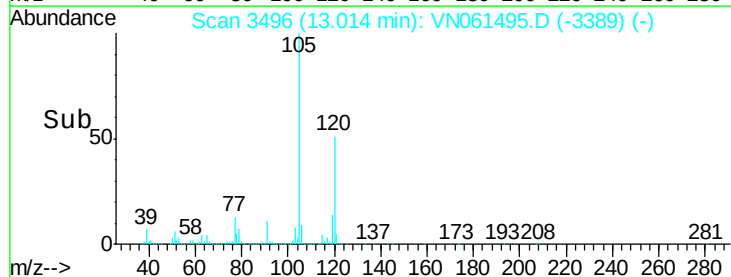
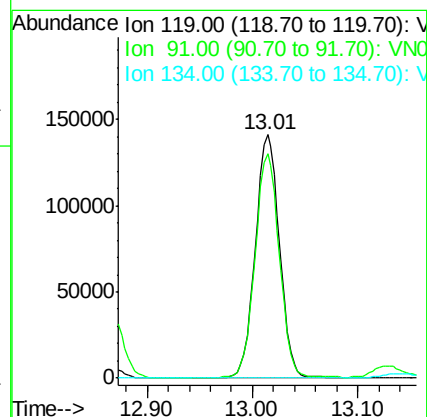
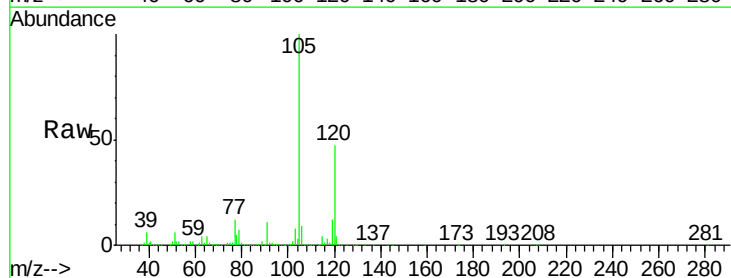
Tgt Ion: 119 Resp: 226238

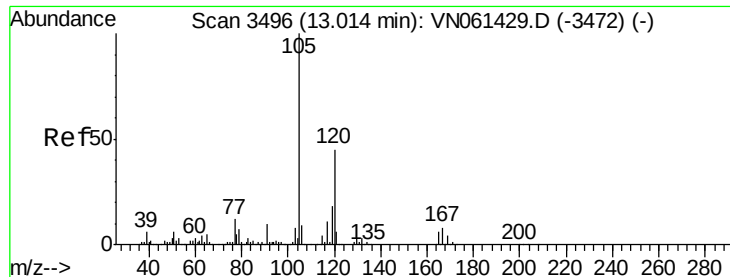
Ion Ratio Lower Upper

119 100

91 92.0 33.7 101.0

134 0.0 12.8 38.3#





#84

1,2,4-Trimethylbenzene

Concen: 118.261 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

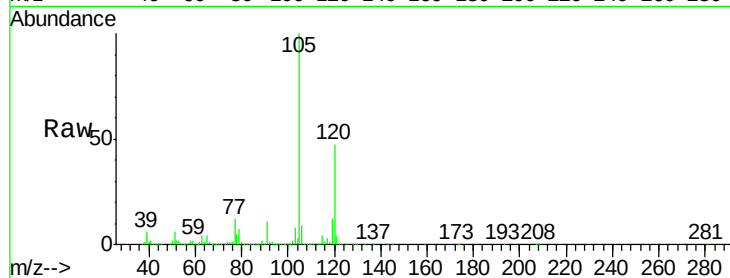
DUP-051320DL

Tot Ion:105 Resp: 1911317

Ion Ratio Lower Upper

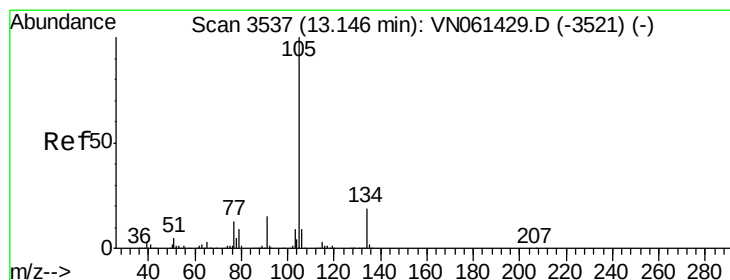
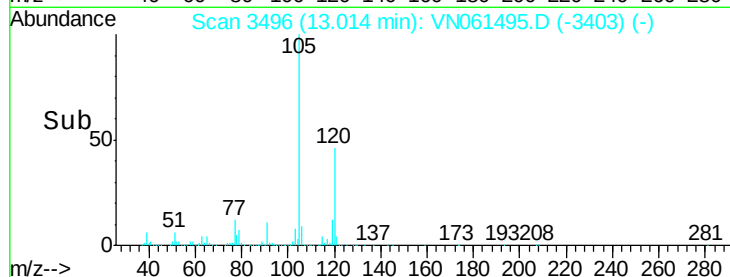
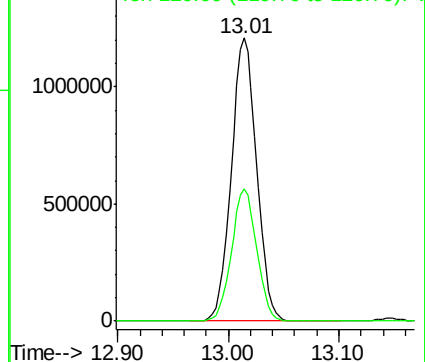
105 100

120 46.5 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 102.182 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.13 min

Lab File: VN061495.D

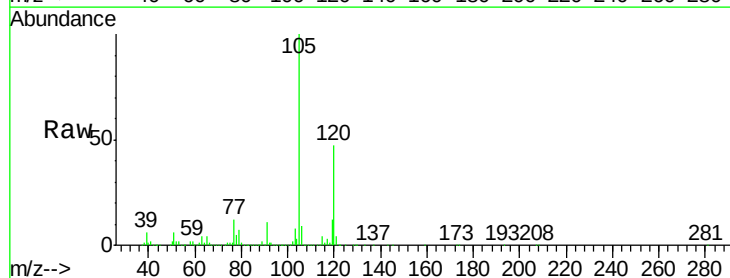
Acq: 19 May 2020 19:50

Tgt Ion:105 Resp: 1911317

Ion Ratio Lower Upper

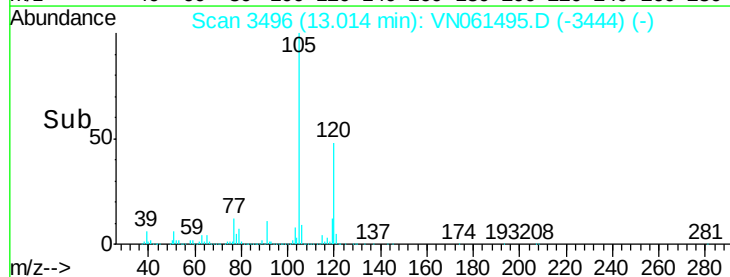
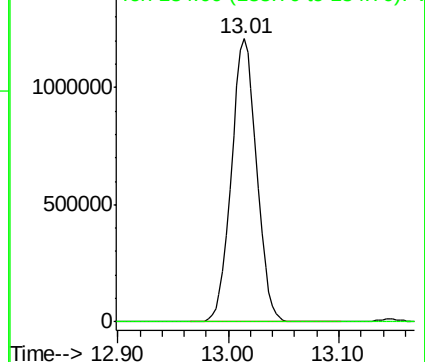
105 100

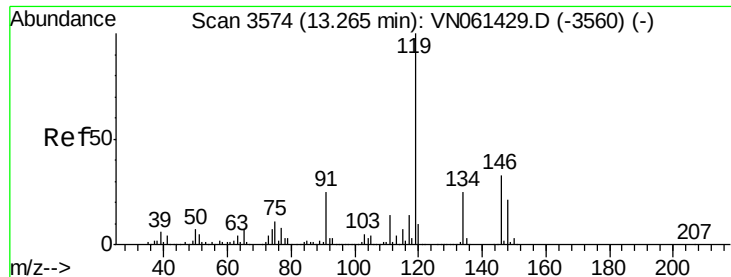
134 0.0 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

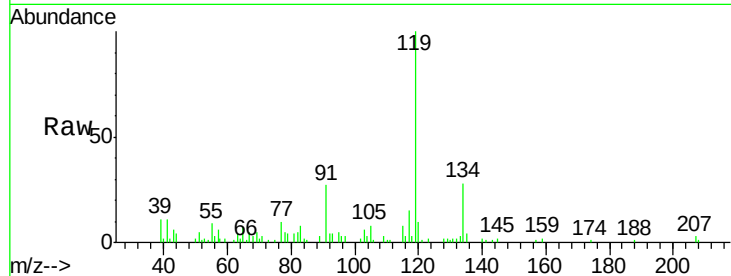




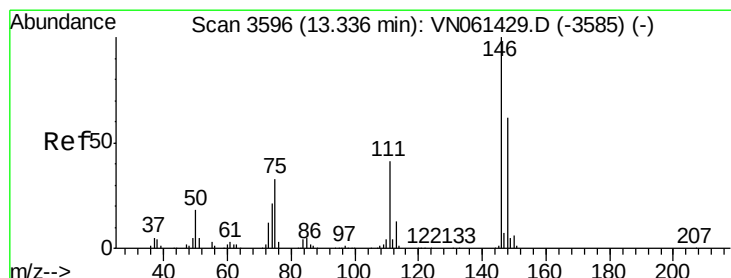
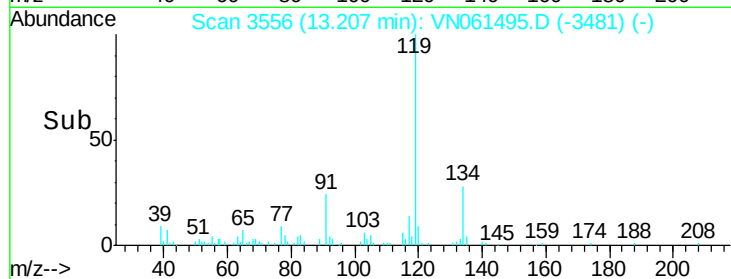
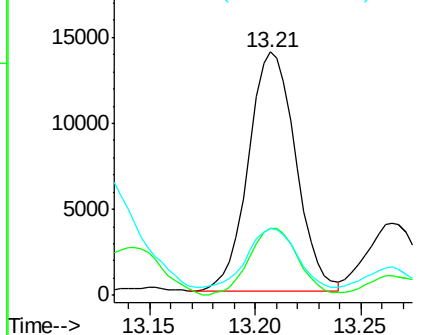
#86
 p-Isopropyltoluene
 Concen: 1.310 ug/l
 RT: 13.21 min Scan# 3556
 Delta R.T. -0.06 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-051320DL

Tot Ion:119 Resp: 21767
 Ion Ratio Lower Upper
 119 100
 134 29.0 12.7 38.1
 91 0.0 12.6 37.6#

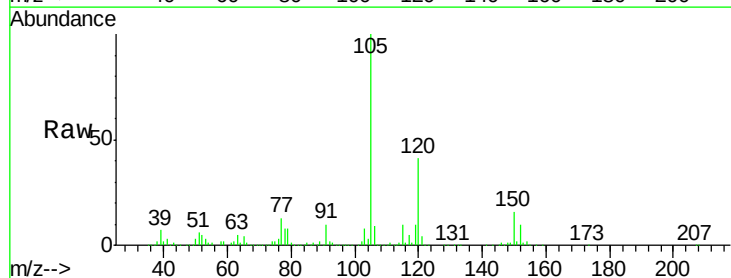


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

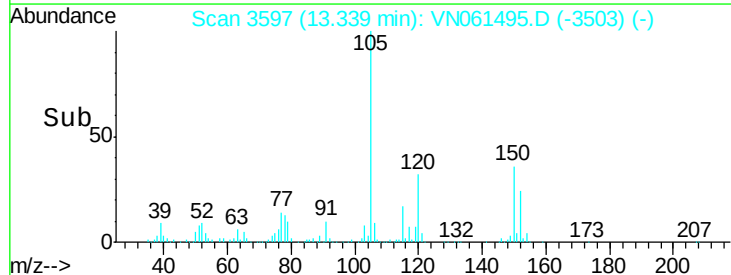
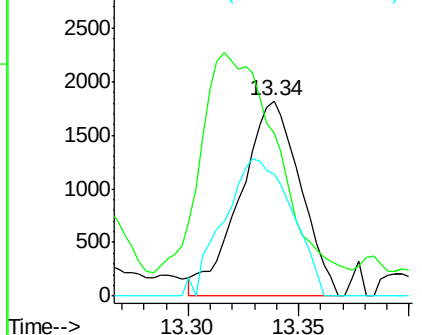


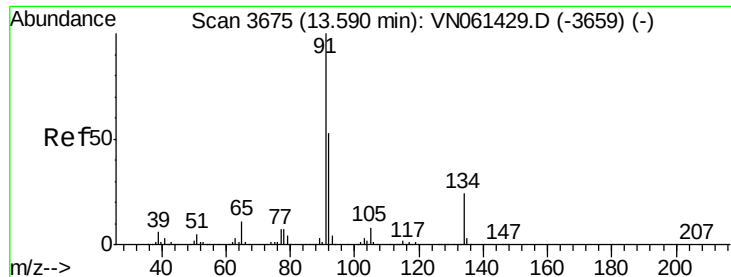
#88
 1,4-Dichlorobenzene
 Concen: 0.437 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

Tgt Ion:146 Resp: 3425
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.5#
 148 79.6 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

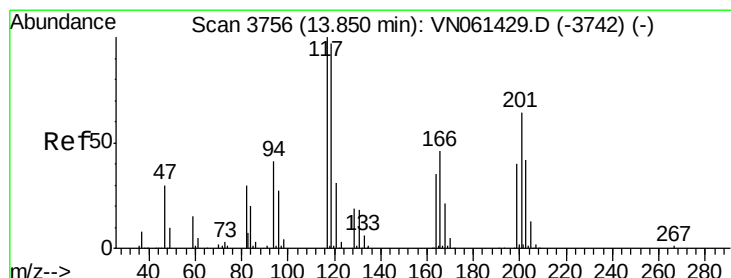
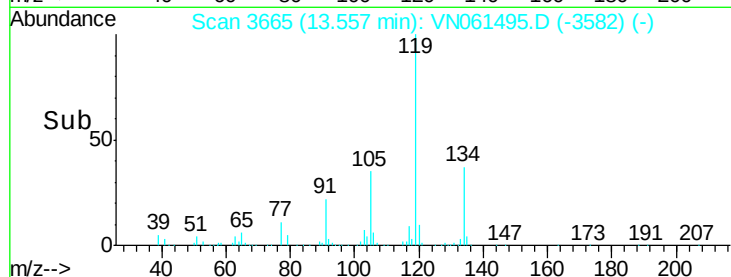
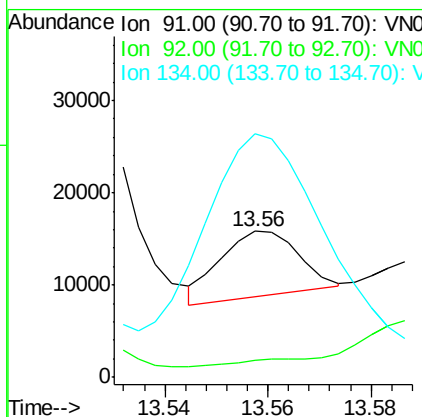
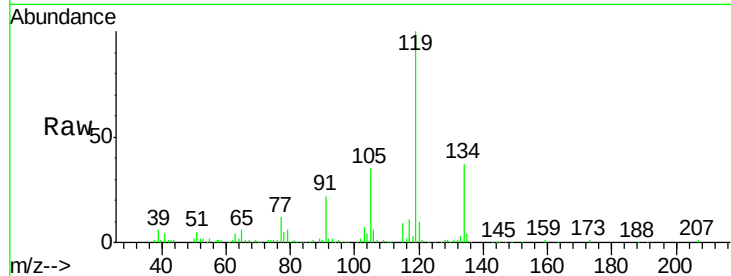




#89
n-Butylbenzene
Concen: 0.492 ug/l
RT: 13.56 min Scan# 3665
Delta R.T. -0.03 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

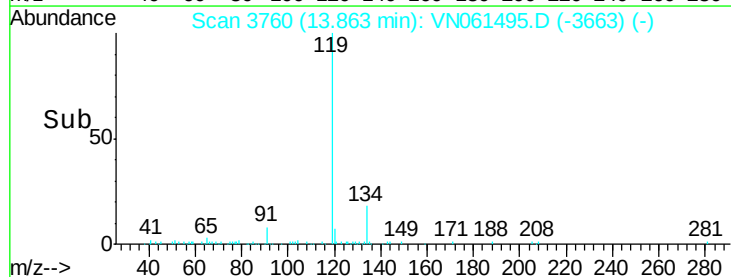
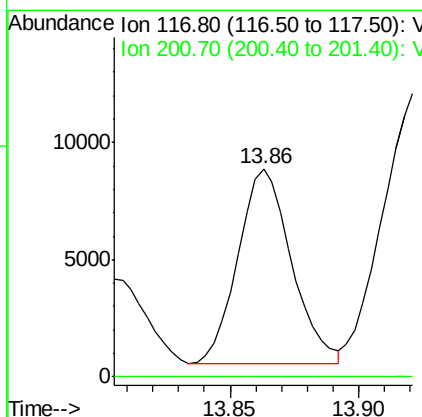
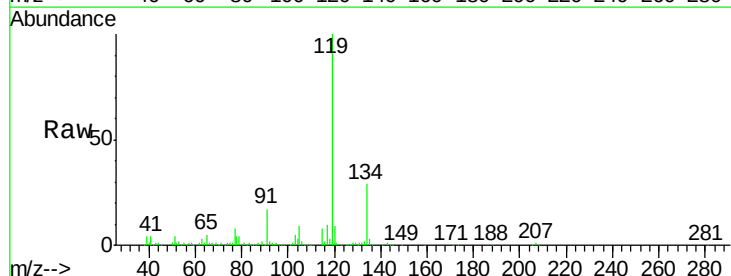
Instrument :
MSVOA_N
ClientSampleId :
DUP-051320DL

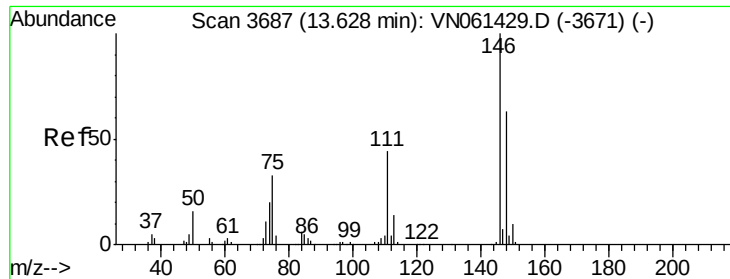
Tot Ion: 91 Resp: 7425
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.3#
134 650.9 12.4 37.4#



#90
Hexachloroethane
Concen: 5.376 ug/l
RT: 13.86 min Scan# 3760
Delta R.T. 0.01 min
Lab File: VN061495.D
Acq: 19 May 2020 19:50

Tgt Ion: 117 Resp: 12101
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.7#

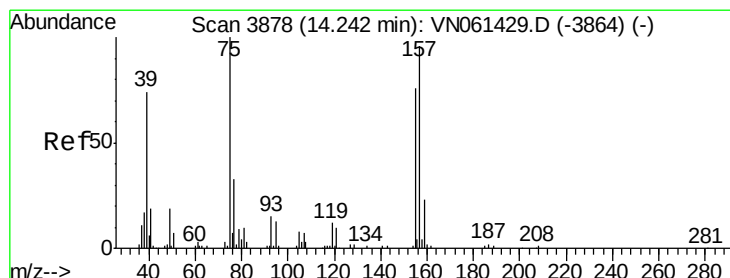
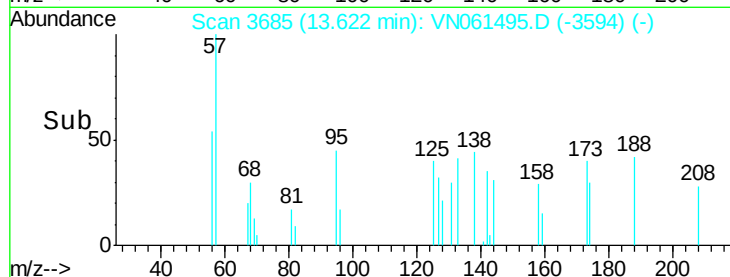
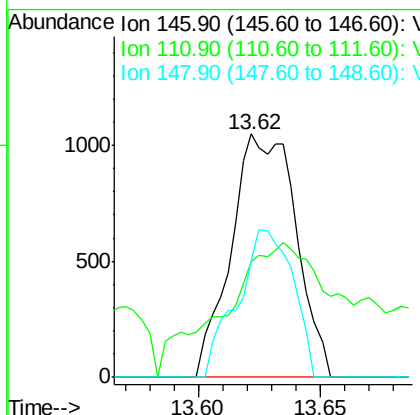
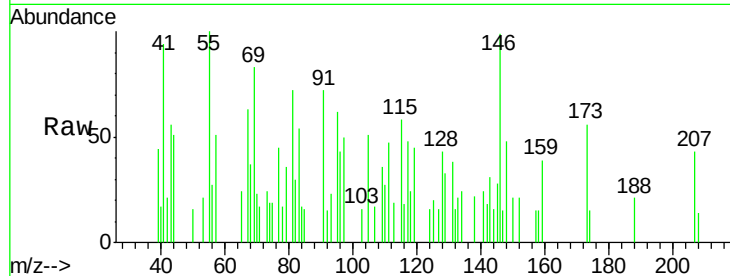




#91
 1,2-Dichlorobenzene
 Concen: 0.257 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.01 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

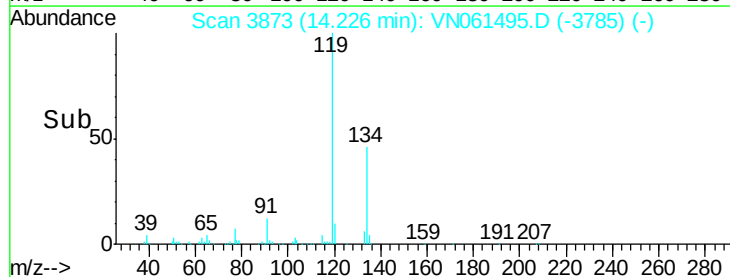
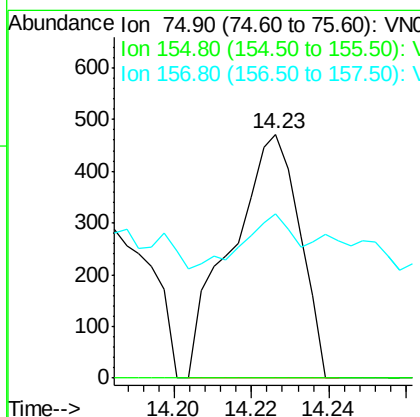
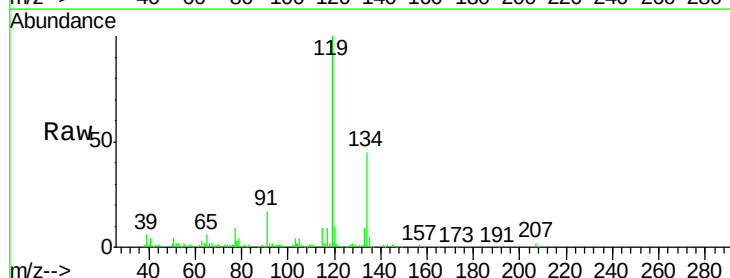
Instrument :
 MSVOA_N
 ClientSampled :
 DUP-051320DL

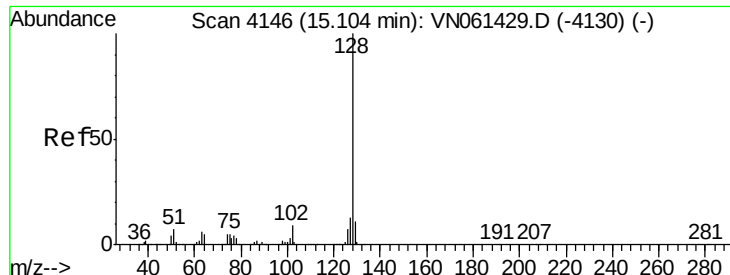
Tot Ion:146 Resp: 1930
 Ion Ratio Lower Upper
 146 100
 111 90.7 21.9 65.7#
 148 52.2 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.525 ug/l
 RT: 14.23 min Scan# 3873
 Delta R.T. -0.02 min
 Lab File: VN061495.D
 Acq: 19 May 2020 19:50

Tgt Ion: 75 Resp: 576
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.9 116.7#
 157 7.8 48.6 145.8#





#95

Naphthalene

Concen: 26.927 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061495.D

Acq: 19 May 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

DUP-051320DL

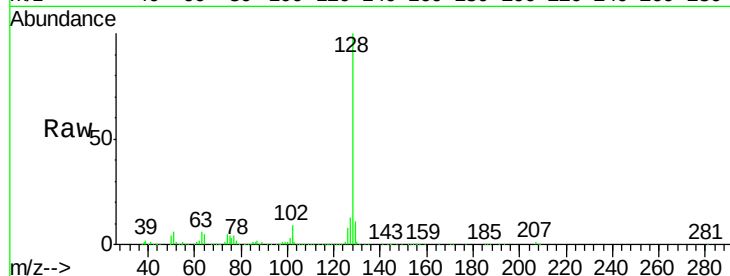
Tot Ion:128 Resp: 348788

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

