

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061783.D
 Acq On : 12 Jun 2020 12:06
 Operator : JC/MD
 Sample : L2988-21DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D2-20200609DL

Quant Time: Jun 13 05:10:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	268886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	442524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	429693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186816	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	144046	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	
35) Dibromofluoromethane	7.55	113	125043	55.70	ug/l	0.00
Spiked Amount			Recovery	=	111.40%	
50) Toluene-d8	10.06	98	528725	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.38	95	182500	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	300	1.243	ug/l #	43
3) Chloromethane	2.04	50	982	0.299	ug/l	90
5) Bromomethane	2.54	94	886	0.344	ug/l #	3
9) 1,1,2-Trichlorotrifluoroet	3.72	101	131917	51.295	ug/l	96
10) Methyl Iodide	3.91	142	836	0.234	ug/l #	72
11) Tert butyl alcohol	4.70	59	320	0.751	ug/l #	72
12) 1,1-Dichloroethene	3.70	96	1463	0.532	ug/l	87
15) Acrylonitrile	4.94	53	291	0.245	ug/l #	64
16) Acetone	3.78	43	1503	Below Cal		93
17) Carbon Disulfide	4.00	76	1849	0.306	ug/l #	52
20) Methylene Chloride	4.50	84	395	Below Cal	#	89
27) cis-1,2-Dichloroethene	6.78	96	5500	1.568	ug/l	77
29) Tetrahydrofuran	7.17	42	604	0.603	ug/l #	45
31) Cyclohexane	7.62	56	4896	1.084	ug/l #	17
36) 1,1-Dichloropropene	7.63	75	18475	4.716	ug/l #	47
38) Carbon Tetrachloride	7.63	117	24106	6.379	ug/l #	16
44) Trichloroethene	8.80	130	100775	27.129	ug/l	92
49) 1,4-Dioxane	9.17	88	634	16.024	ug/l #	58
51) 4-Methyl-2-Pentanone	9.95	43	918	0.287	ug/l #	83
59) 2-Hexanone	10.73	43	1795	0.781	ug/l	95
60) Dibromochloromethane	10.60	129	10356	2.898	ug/l #	11
64) Tetrachloroethene	10.60	164	10953	2.708	ug/l	96
71) Bromoform	12.37	173	803	0.313	ug/l #	1
74) N-amyl acetate	12.04	43	1176	0.274	ug/l #	52
76) 1,2,3-Trichloropropane	12.38	75	86968	25.601	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	86968	65.469	ug/l #	15
82) 4-Chlorotoluene	12.75	91	2113	0.221	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	2231	0.362	ug/l	96
88) 1,4-Dichlorobenzene	13.26	146	2231	0.355	ug/l	96
89) n-Butylbenzene	13.59	91	3554	0.355	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	2069	0.351	ug/l	85
92) 1,2-Dibromo-3-Chloropropan	14.26	75	271	0.348	ug/l #	40
93) 1,2,4-Trichlorobenzene	14.89	180	3059	0.888	ug/l	96
94) Hexachlorobutadiene	14.99	225	1287	0.876	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

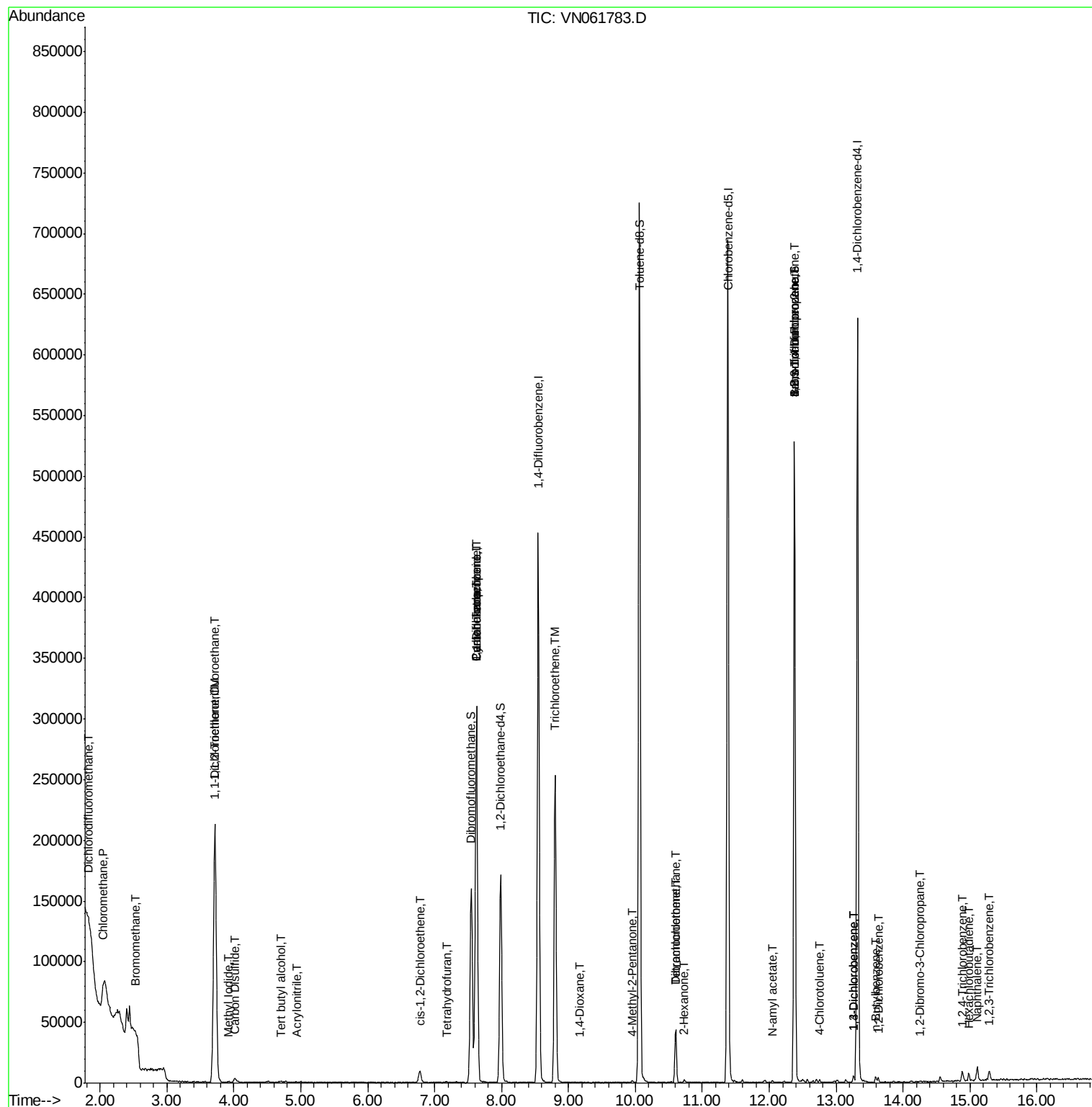
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.11	128	10693	1.020	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.29	180	3616	1.068	ug/l	99

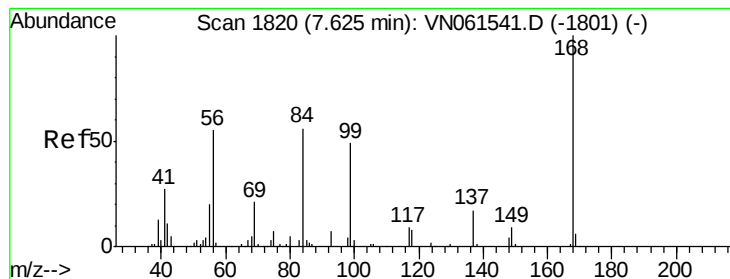
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061220\
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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: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

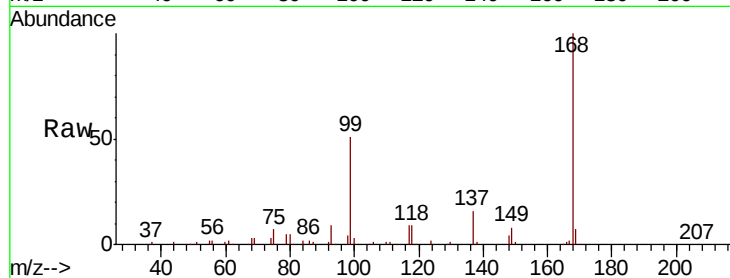
RE131D2-20200609DL

Tot Ion:168 Resp: 268886

Ion Ratio Lower Upper

168 100

99 51.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VN061783.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN061783.D (-1727) (-)

7.63

120000

100000

80000

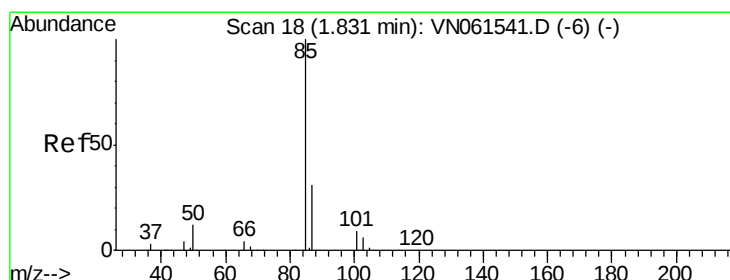
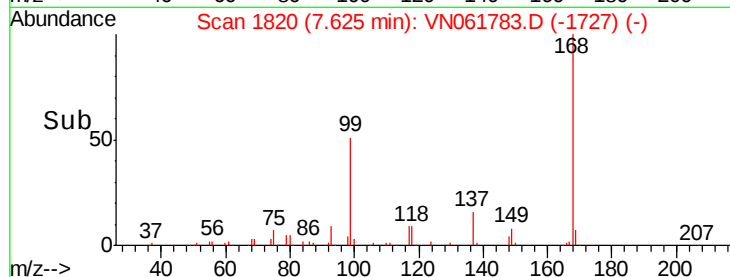
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 1.243 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061783.D

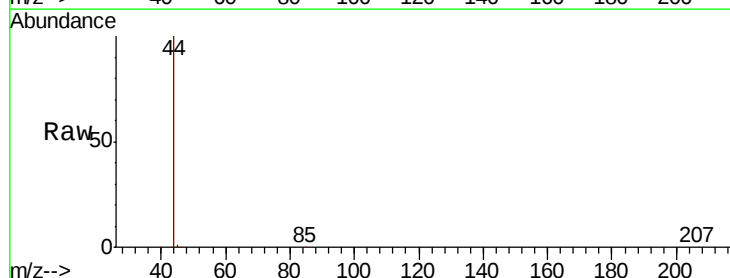
Acq: 12 Jun 2020 12:06

Tgt Ion: 85 Resp: 300

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VN061783.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN061783.D (-1) (-)

1.83

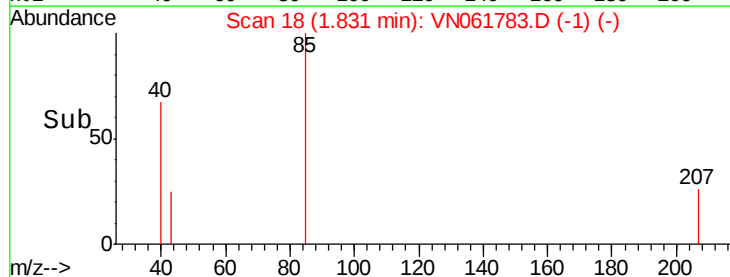
300

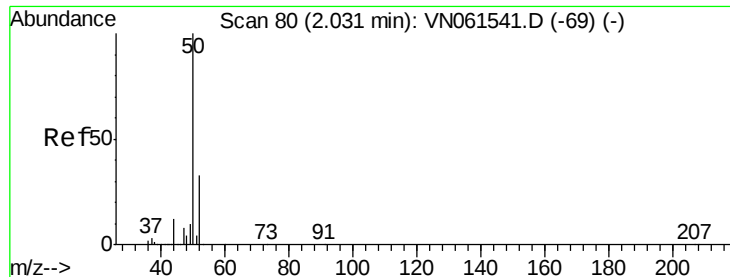
200

100

0

Time--> 1.82 1.84





#3

Chloromethane

Concen: 0.299 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

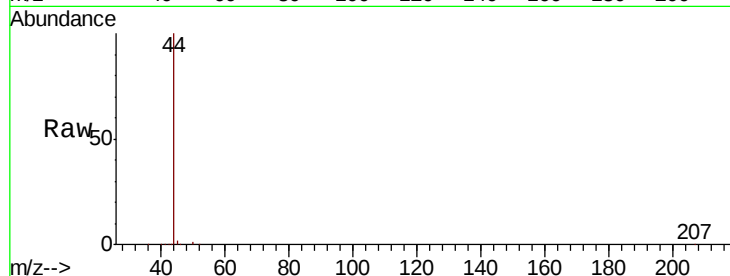
RE131D2-20200609DL

Tot Ion: 50 Resp: 982

Ion Ratio Lower Upper

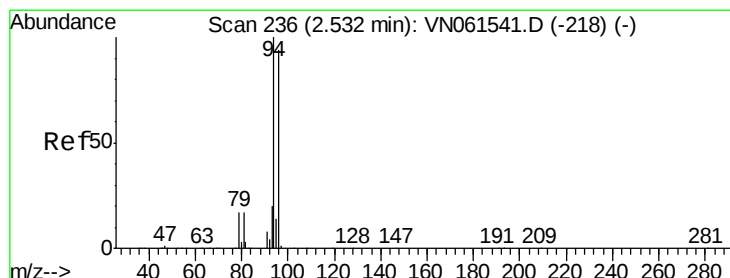
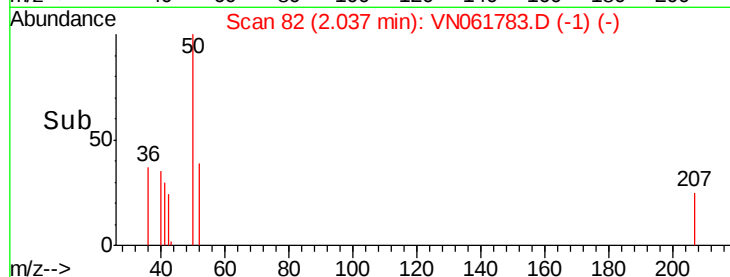
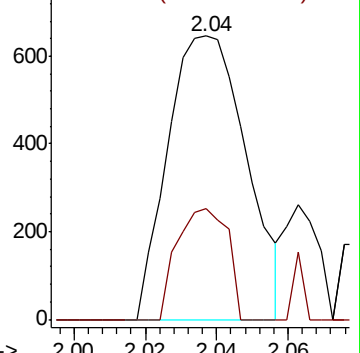
50 100

52 39.0 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#5

Bromomethane

Concen: 0.344 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061783.D

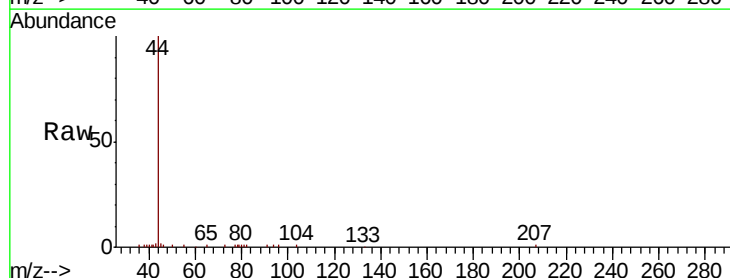
Acq: 12 Jun 2020 12:06

Tgt Ion: 94 Resp: 886

Ion Ratio Lower Upper

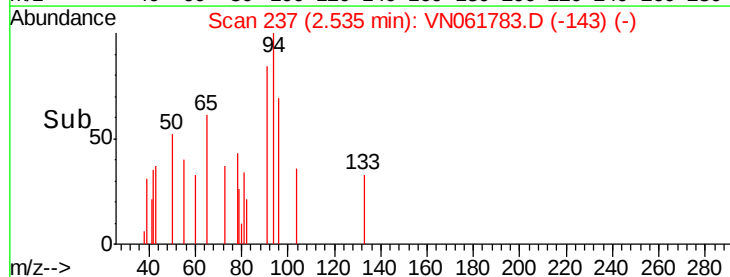
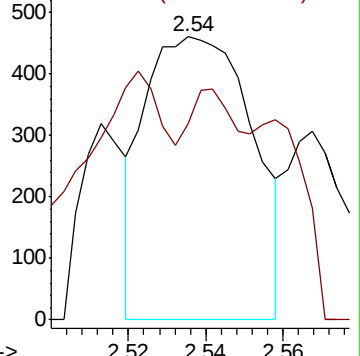
94 100

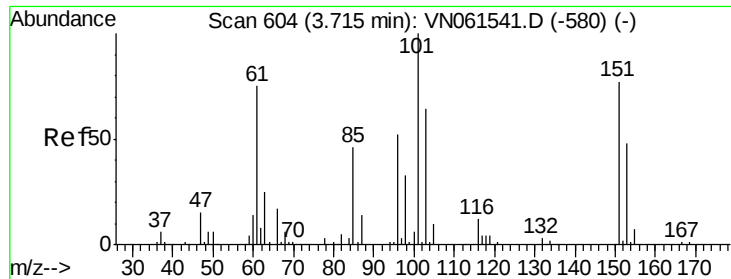
96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.295 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

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RE131D2-20200609DL

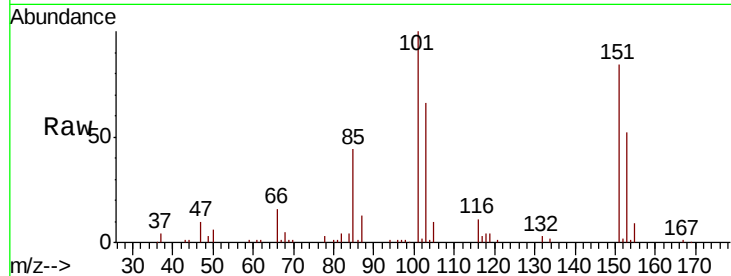
Tot Ion:101 Resp: 131917

Ion Ratio Lower Upper

101 100

85 43.3 35.2 52.8

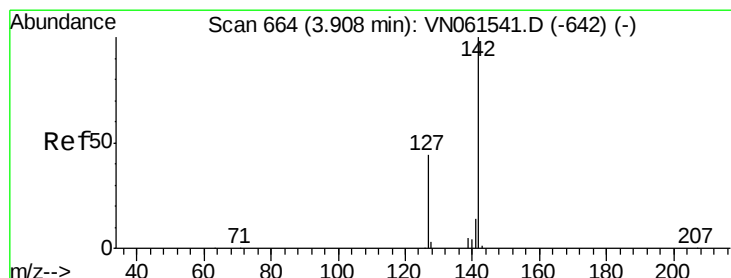
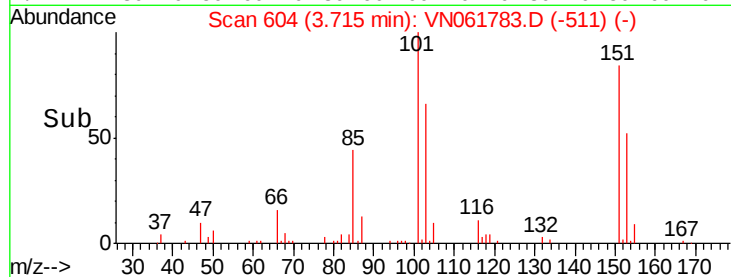
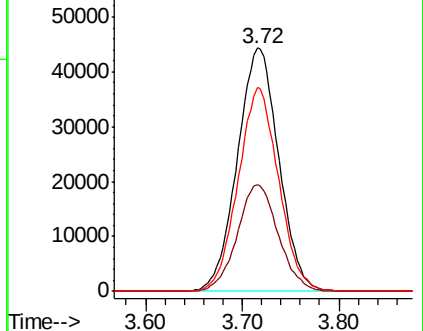
151 81.7 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.234 ug/l

RT: 3.91 min Scan# 666

Delta R.T. 0.01 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

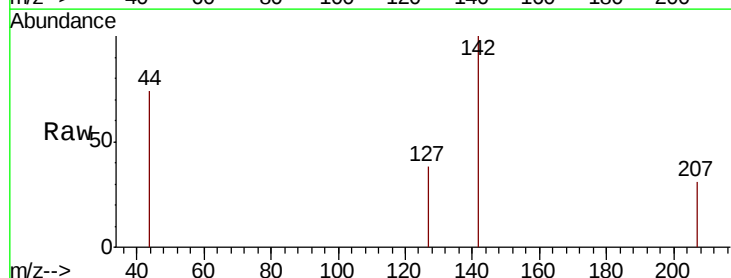
Tgt Ion:142 Resp: 836

Ion Ratio Lower Upper

142 100

127 27.8 35.5 53.3#

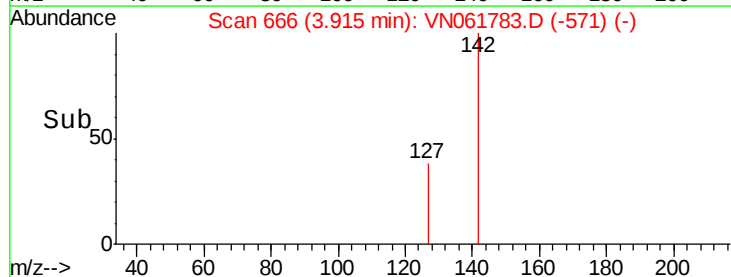
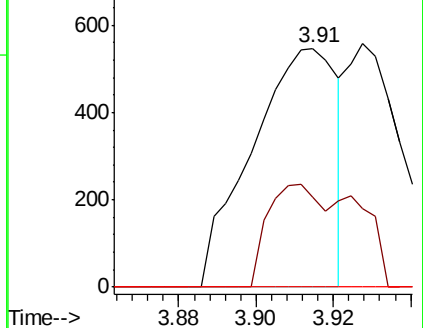
141 0.0 11.5 17.3#

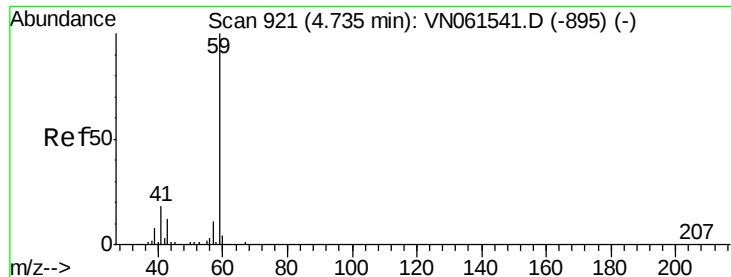


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.751 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.04 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

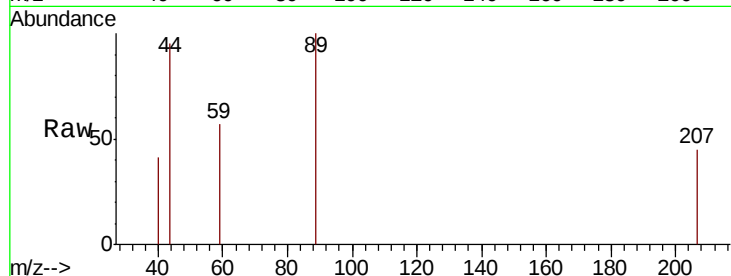
RE131D2-20200609DL

Tot Ion: 59 Resp: 320

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.70

300

250

200

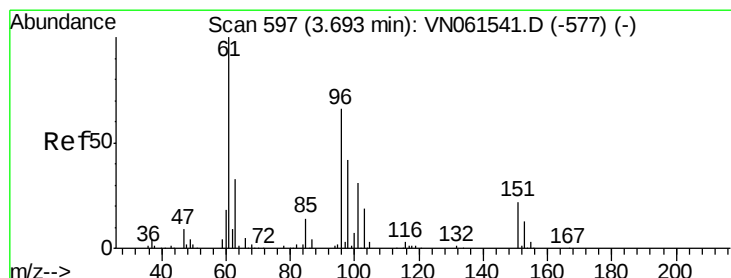
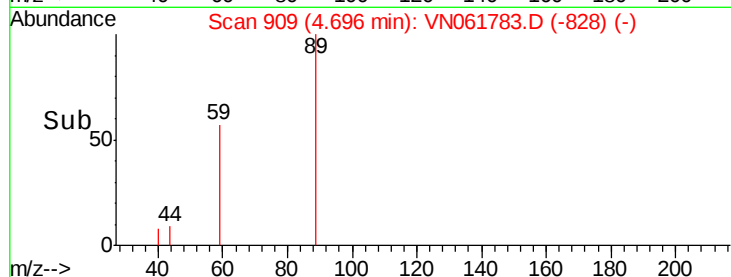
150

100

50

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.532 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.01 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

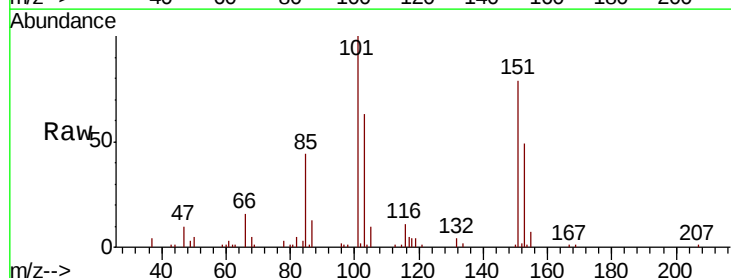
Tgt Ion: 96 Resp: 1463

Ion Ratio Lower Upper

96 100

61 134.6 120.5 180.7

98 51.5 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

1000

800

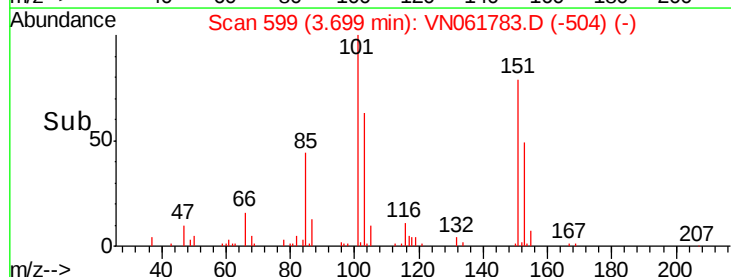
600

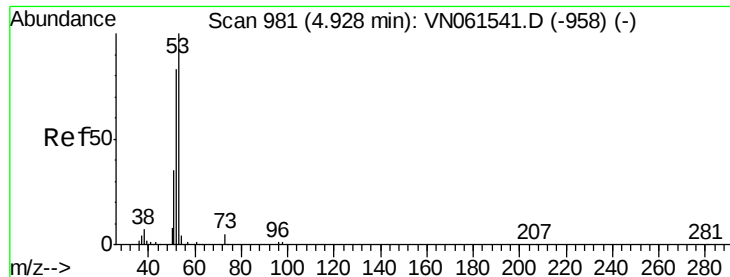
400

200

0

Time-->





#15

Acrylonitrile

Concen: 0.245 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.02 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

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ClientSampleId :

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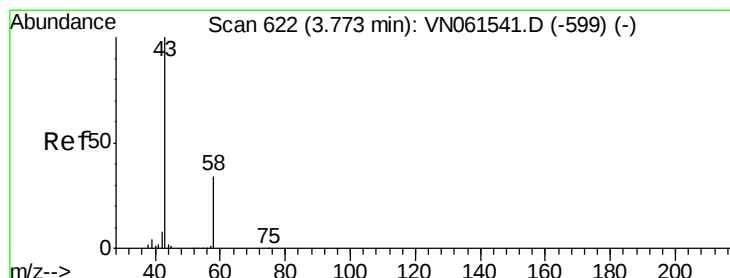
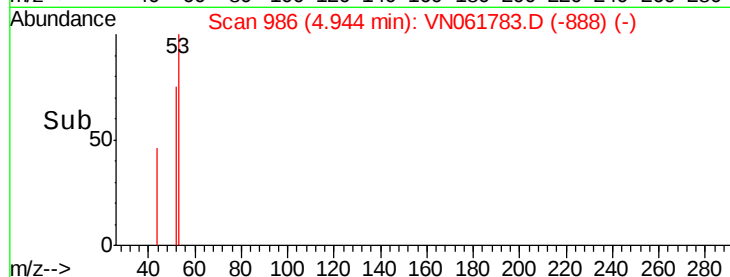
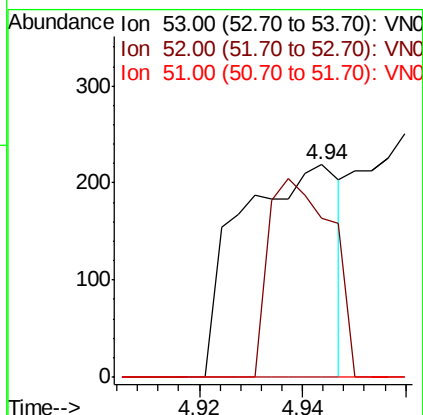
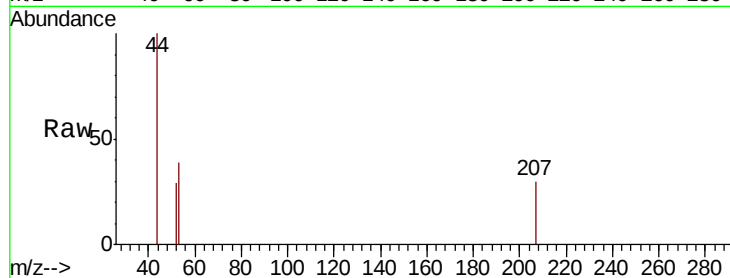
Tot Ion: 53 Resp: 291

Ion Ratio Lower Upper

53 100

52 59.5 65.4 98.2#

51 0.0 29.0 43.6#



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061783.D

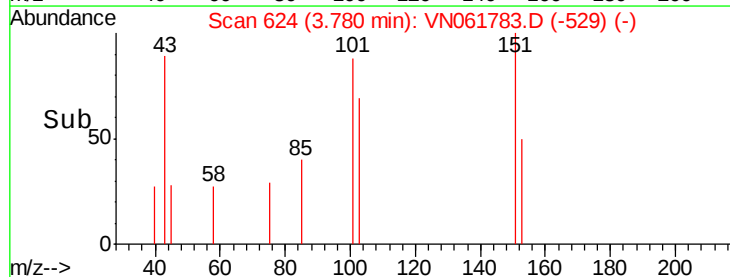
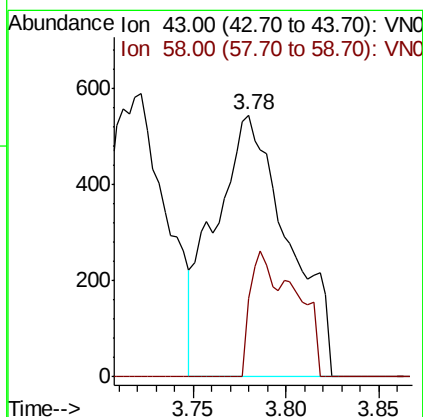
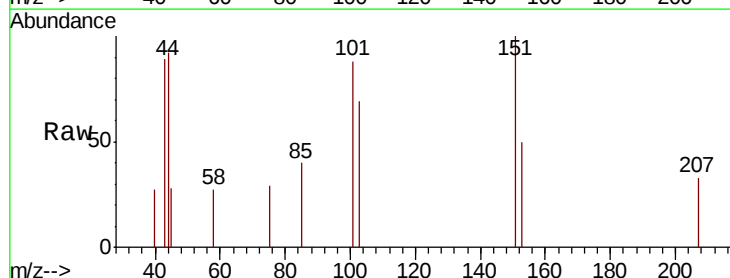
Acq: 12 Jun 2020 12:06

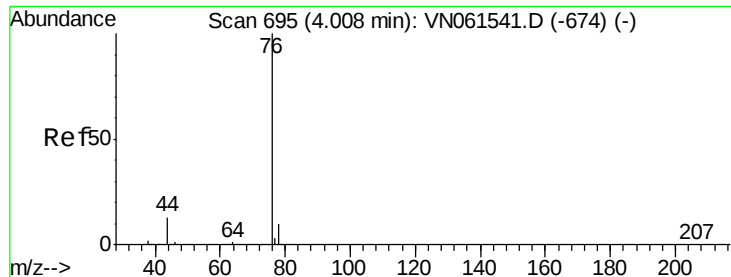
Tgt Ion: 43 Resp: 1503

Ion Ratio Lower Upper

43 100

58 30.1 27.2 40.8

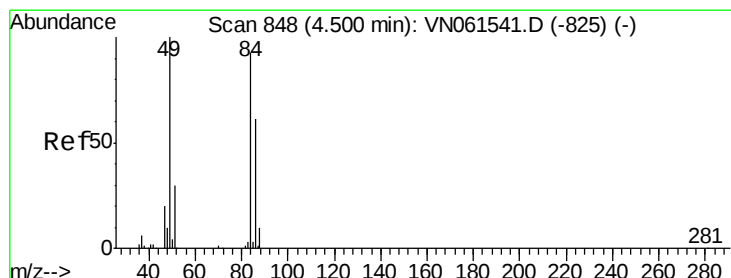
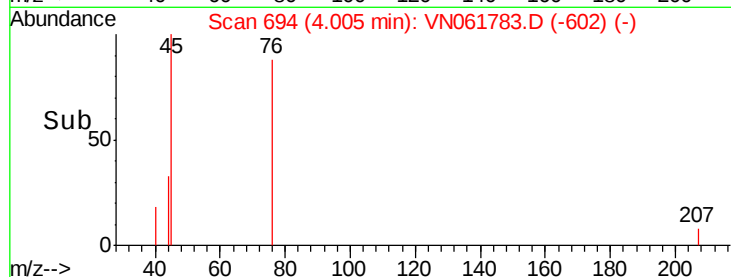
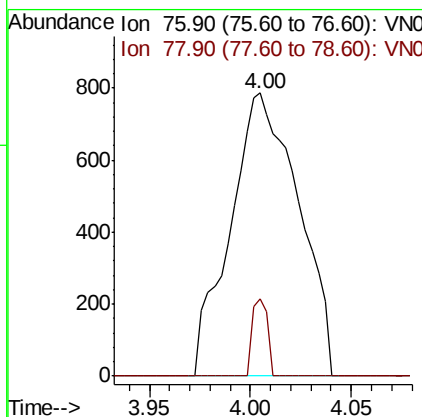
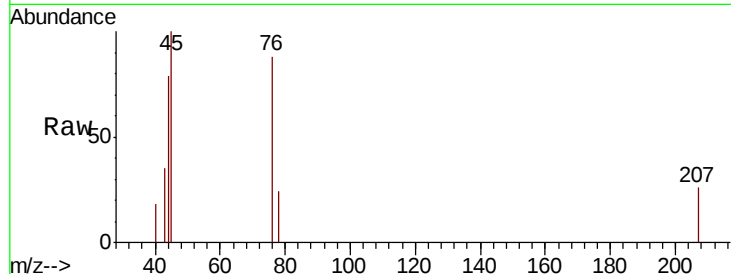




#17
Carbon Disulfide
Concen: 0.306 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061783.D
Acq: 12 Jun 2020 12:06

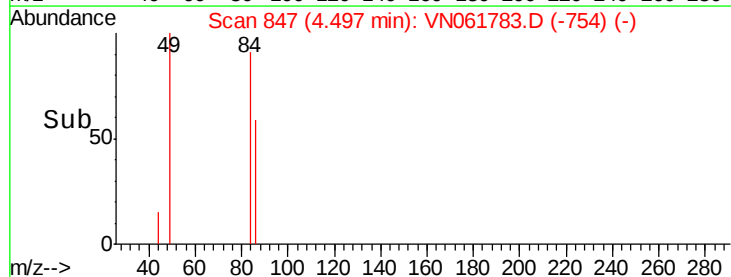
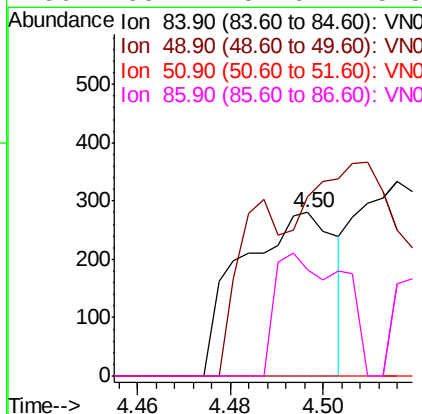
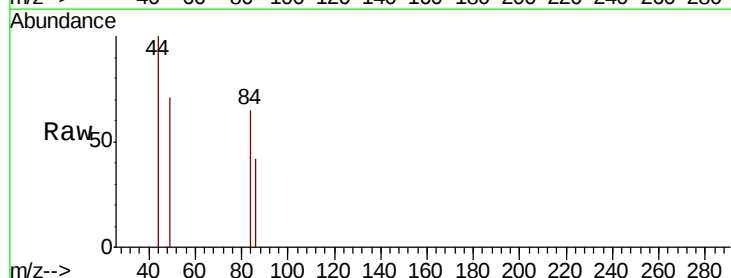
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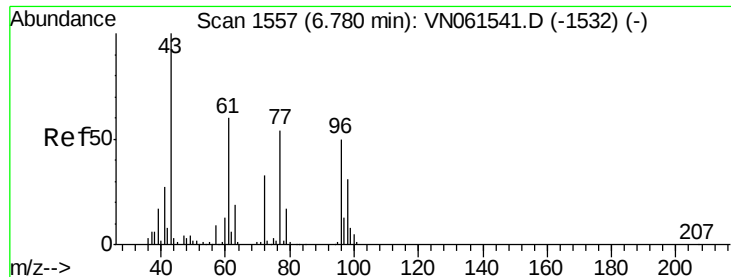
Tot Ion: 76 Resp: 1849
Ion Ratio Lower Upper
76 100
78 27.4 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061783.D
Acq: 12 Jun 2020 12:06

Tgt Ion: 84 Resp: 395
Ion Ratio Lower Upper
84 100
49 110.0 85.8 128.8
51 0.0 26.2 39.2#
86 65.4 52.6 78.8

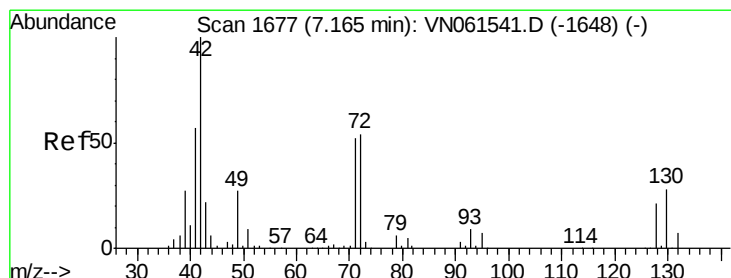
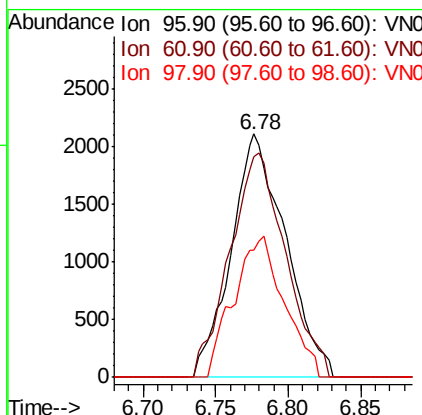
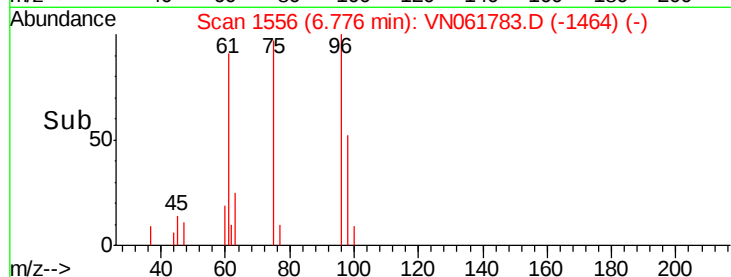
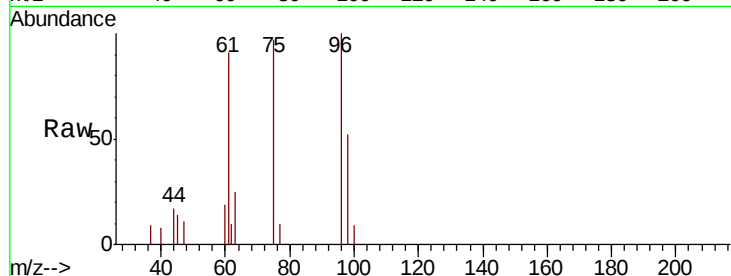




#27
 cis-1,2-Dichloroethene
 Concen: 1.568 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061783.D
 Acq: 12 Jun 2020 12:06

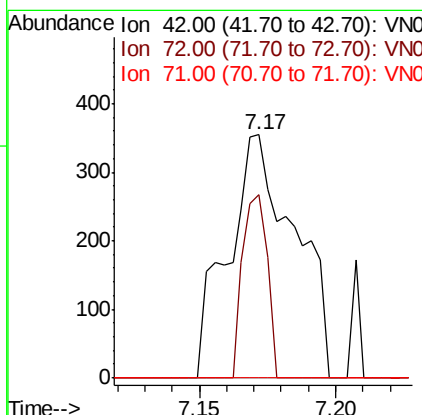
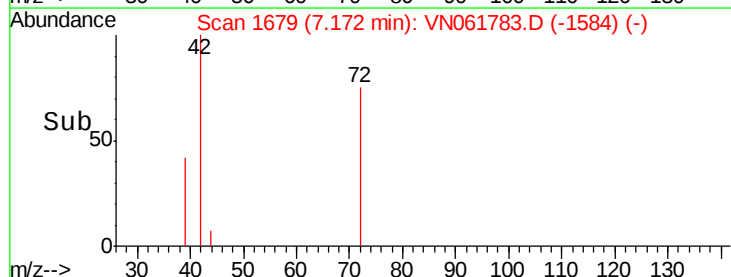
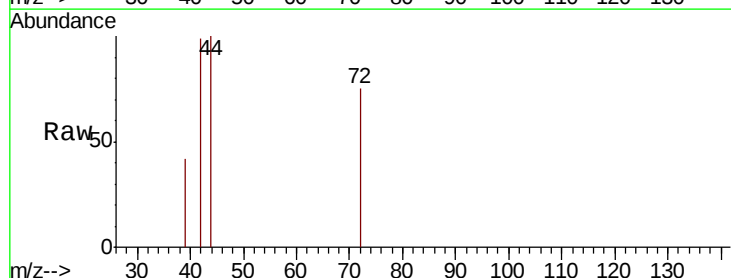
Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D2-20200609DL

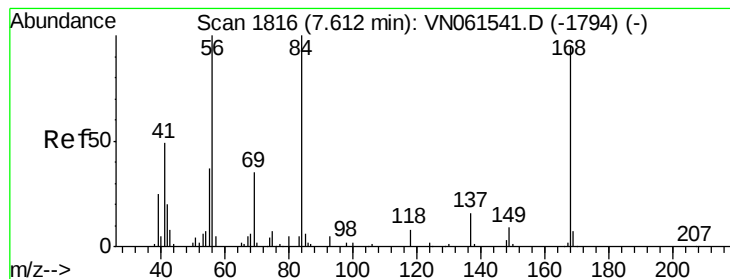
Tot Ion: 96 Resp: 5500
 Ion Ratio Lower Upper
 96 100
 61 94.5 0.0 252.2
 98 53.8 0.0 129.2



#29
 Tetrahydrofuran
 Concen: 0.603 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. 0.01 min
 Lab File: VN061783.D
 Acq: 12 Jun 2020 12:06

Tgt Ion: 42 Resp: 604
 Ion Ratio Lower Upper
 42 100
 72 27.6 43.6 65.4#
 71 0.0 41.2 61.8#





#31

Cyclohexane

Concen: 1.084 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20200609DL

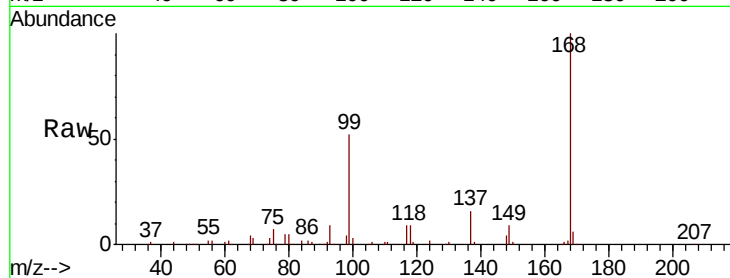
Tot Ion: 56 Resp: 4896

Ion Ratio Lower Upper

56 100

69 171.9 27.8 41.8#

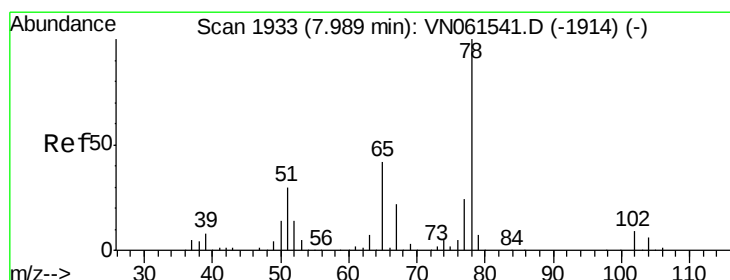
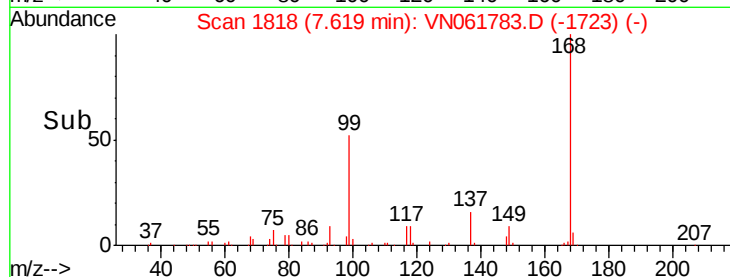
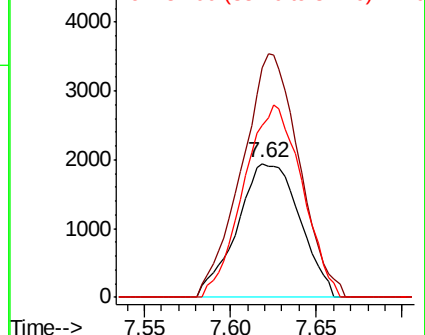
84 129.0 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 44.964 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061783.D

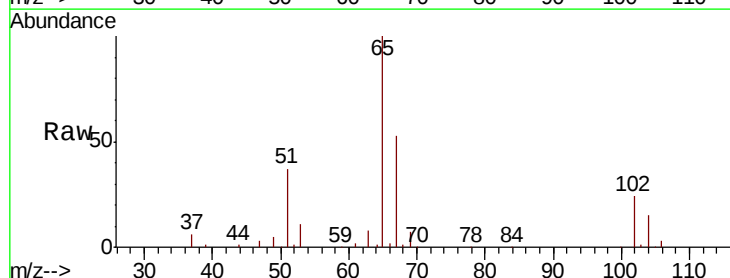
Acq: 12 Jun 2020 12:06

Tgt Ion: 65 Resp: 144046

Ion Ratio Lower Upper

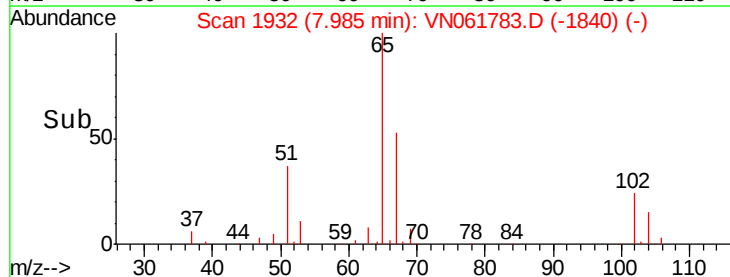
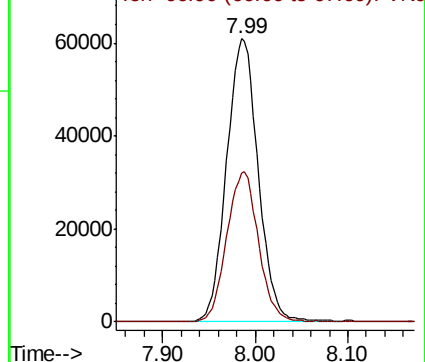
65 100

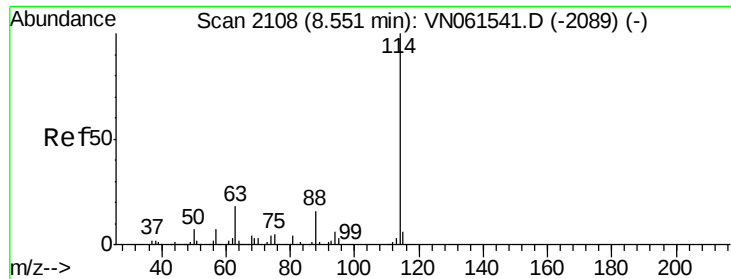
67 53.1 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20200609DL

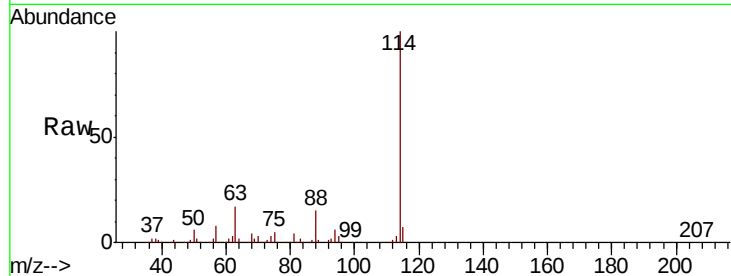
Tot Ion:114 Resp: 442524

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.8

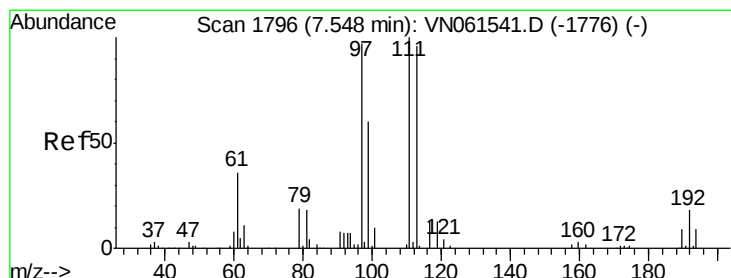
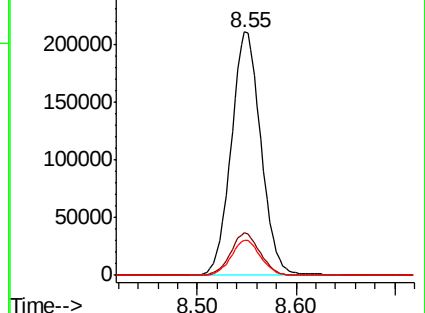
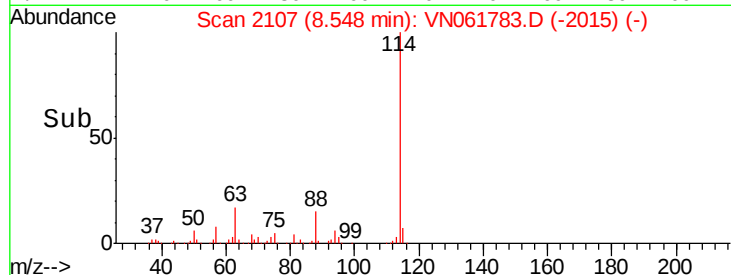
88 14.6 0.0 31.0



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: 55.702 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

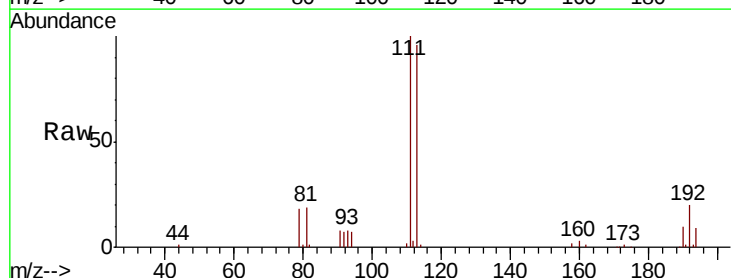
Tgt Ion:113 Resp: 125043

Ion Ratio Lower Upper

113 100

111 104.6 83.4 125.0

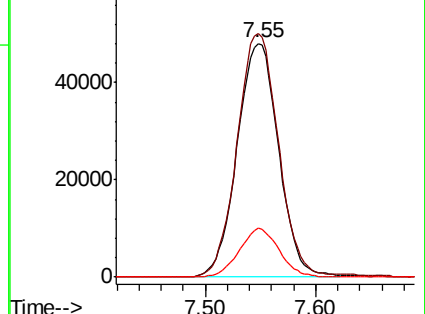
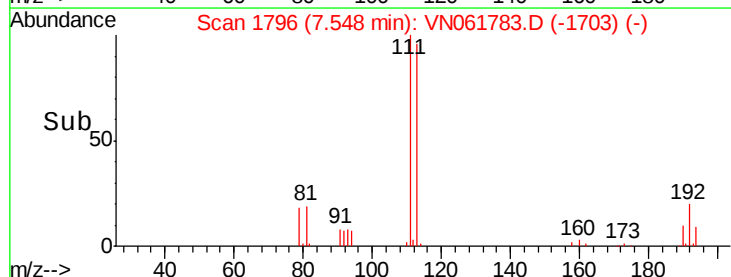
192 20.0 15.4 23.2

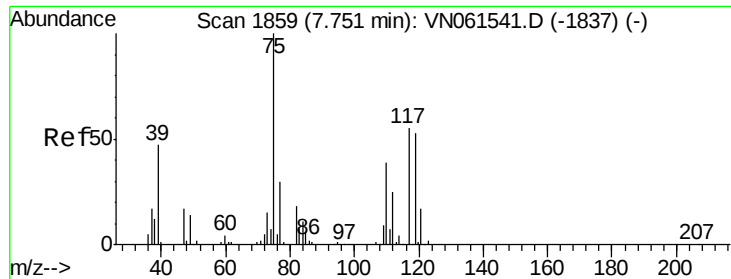


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

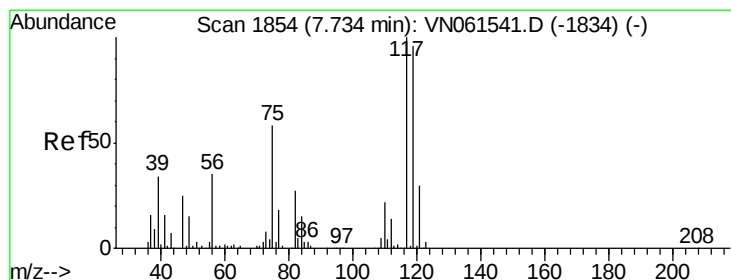
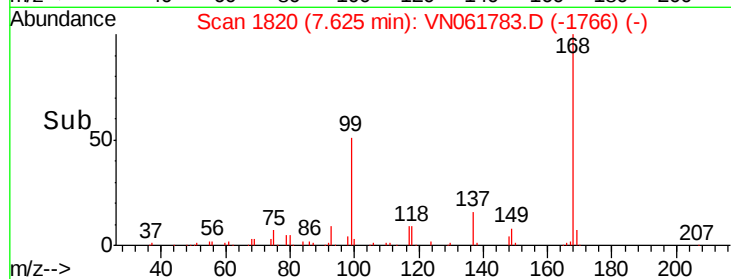
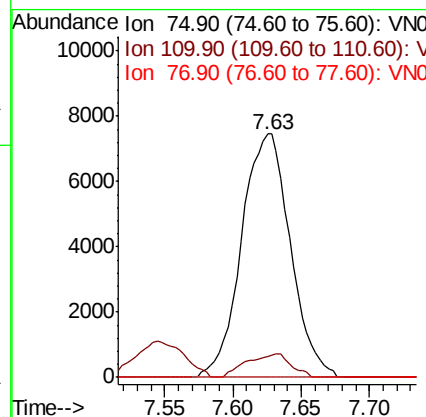
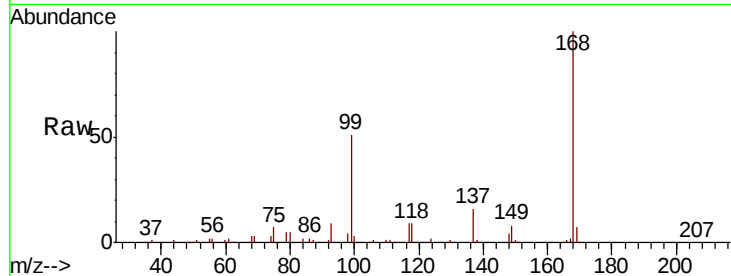




#36
 1,1-Dichloropropene
 Concen: 4.716 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061783.D
 Acq: 12 Jun 2020 12:06

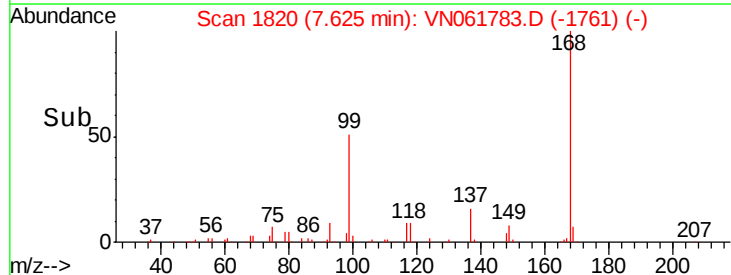
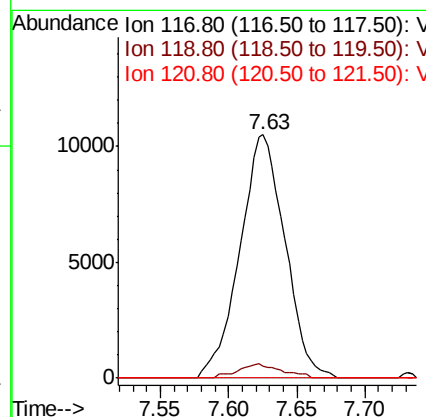
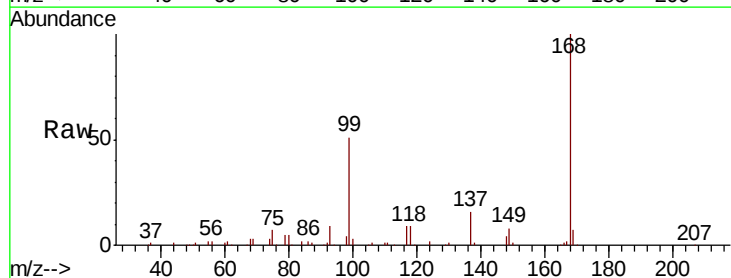
Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D2-20200609DL

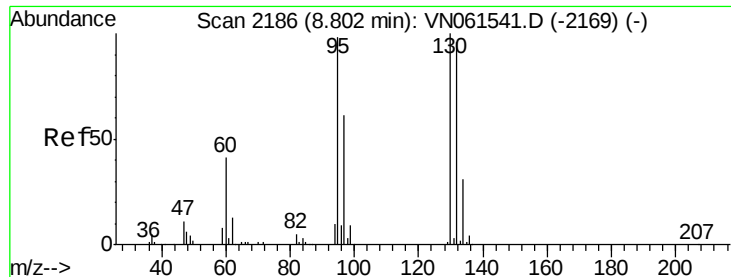
Tot Ion	75	Resp	18475
Ion Ratio	100	Lower	Upper
75	100		
110	8.7	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.379 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061783.D
 Acq: 12 Jun 2020 12:06

Tgt Ion	117	Resp	24106
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.1	76.5	114.7#
121	0.0	24.1	36.1#





#44

Trichloroethene

Concen: 27.129 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

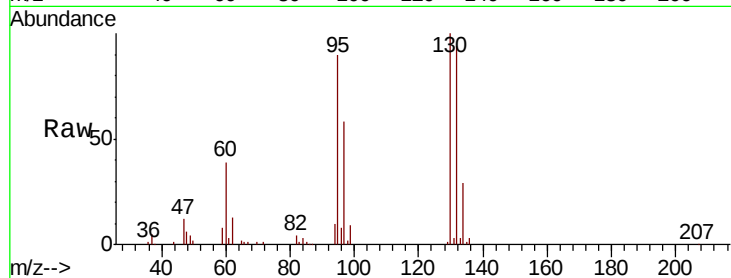
RE131D2-20200609DL

Tot Ion:130 Resp: 100775

Ion Ratio Lower Upper

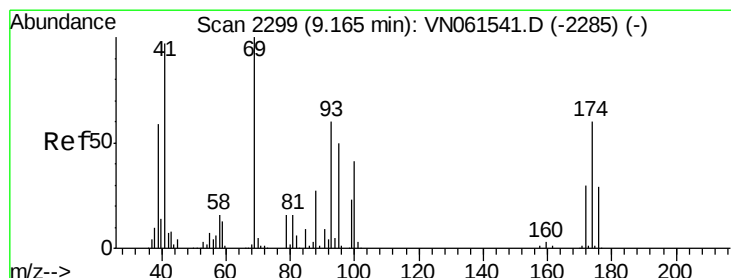
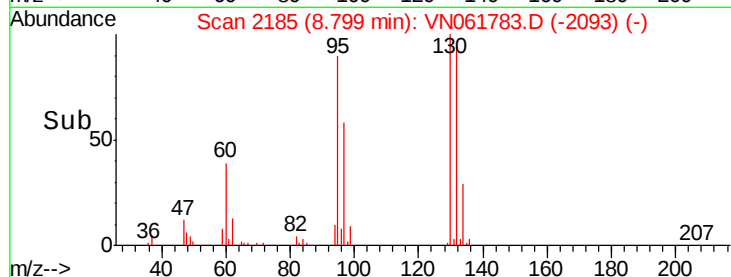
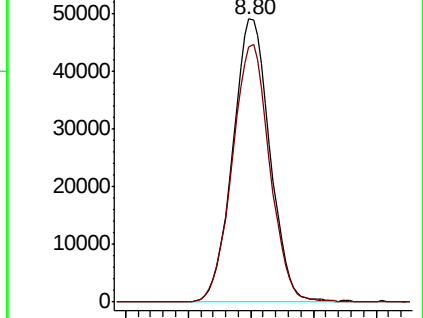
130 100

95 90.0 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#49

1,4-Dioxane

Concen: 16.024 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

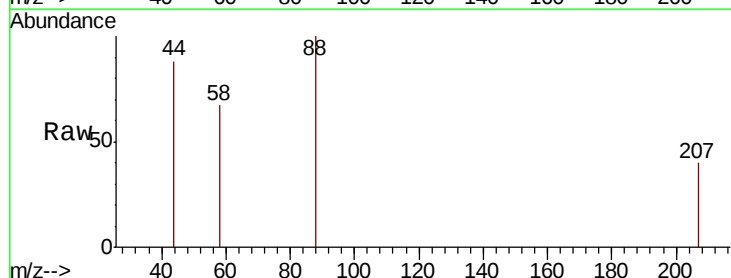
Tgt Ion: 88 Resp: 634

Ion Ratio Lower Upper

88 100

43 0.0 23.1 34.7#

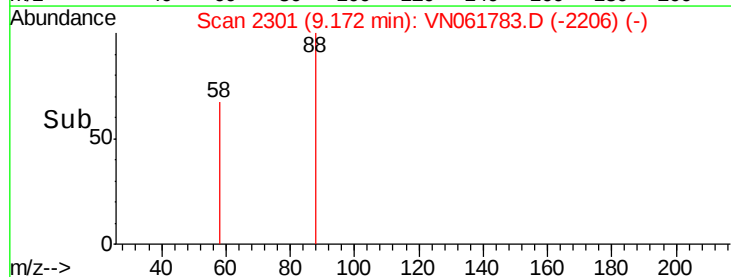
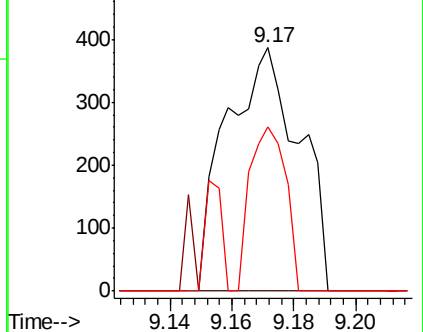
58 33.1 48.3 72.5#

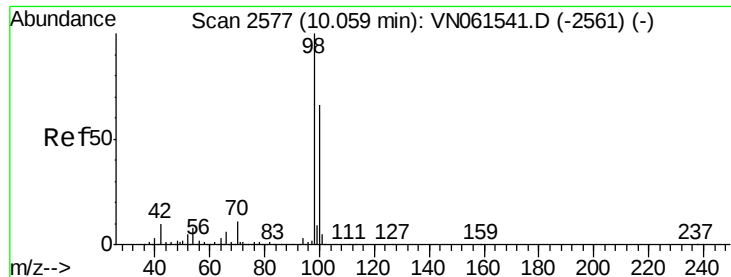


Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#50

Toluene-d8

Concen: 50.825 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

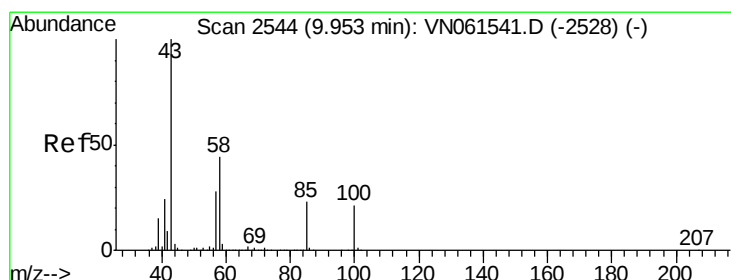
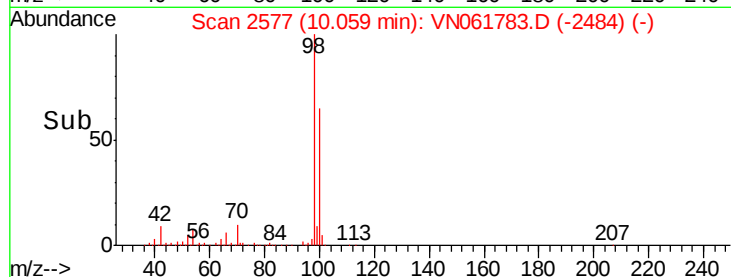
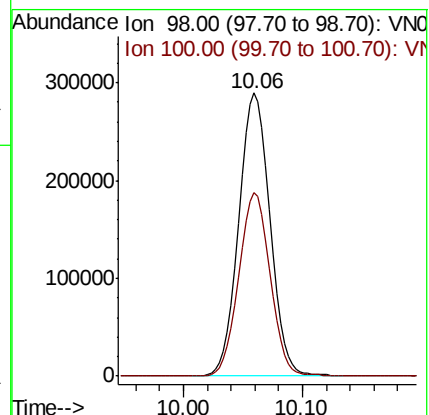
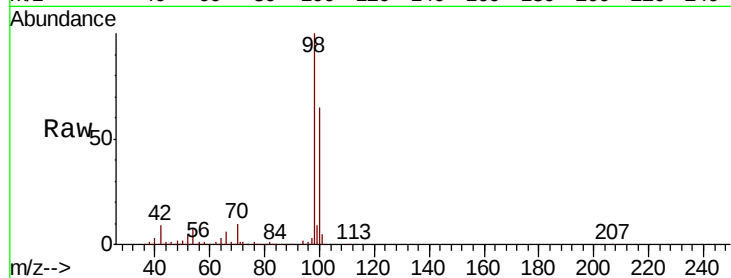
RE131D2-20200609DL

Tot Ion: 98 Resp: 528725

Ion Ratio Lower Upper

98 100

100 64.8 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 0.287 ug/l

RT: 9.95 min Scan# 2542

Delta R.T. -0.01 min

Lab File: VN061783.D

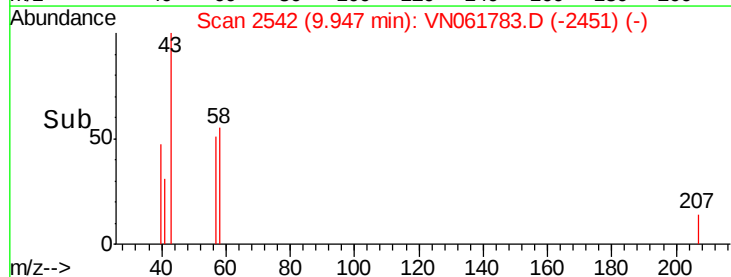
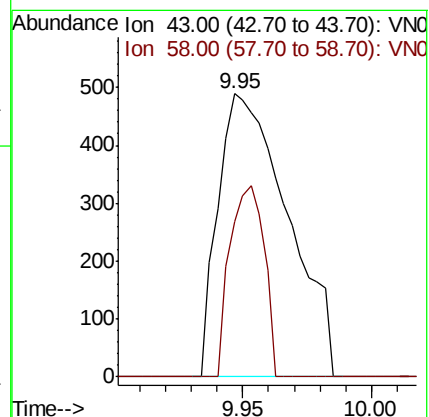
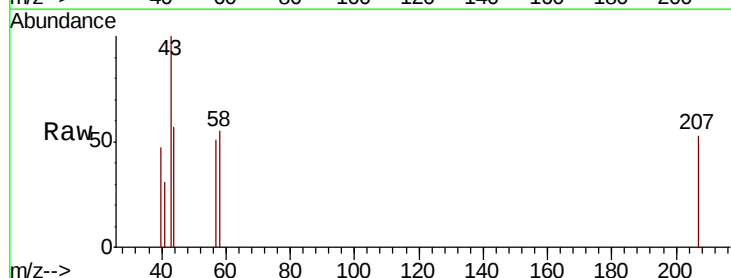
Acq: 12 Jun 2020 12:06

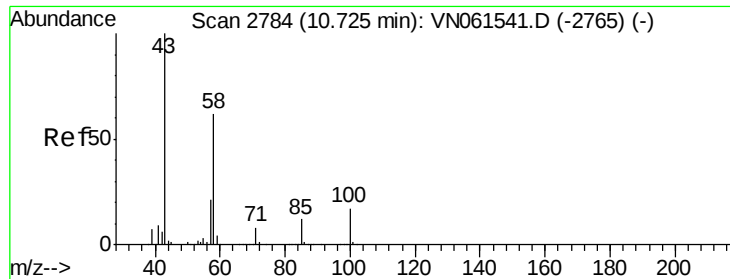
Tgt Ion: 43 Resp: 918

Ion Ratio Lower Upper

43 100

58 33.0 35.0 52.6#

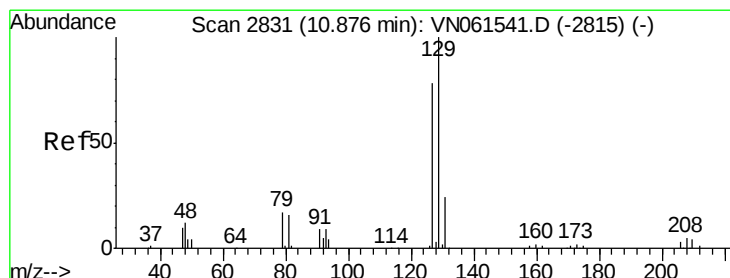
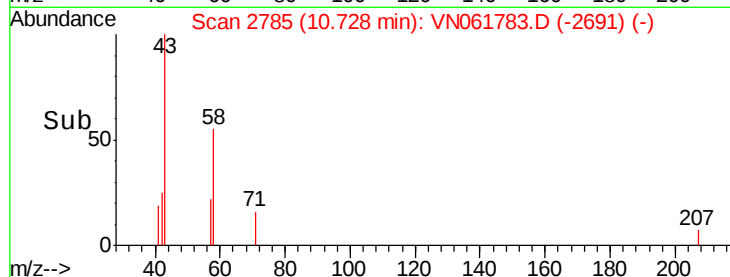
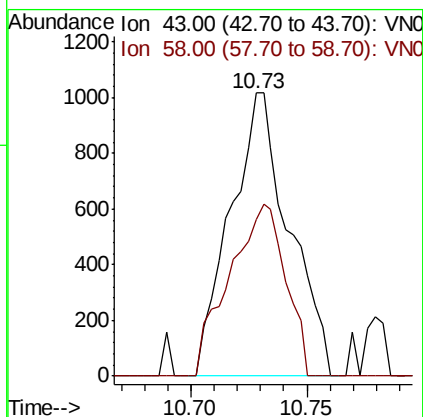
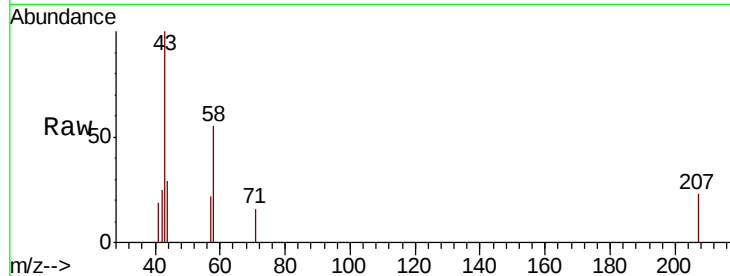




#59
2-Hexanone
Concen: 0.781 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN061783.D
Acq: 12 Jun 2020 12:06

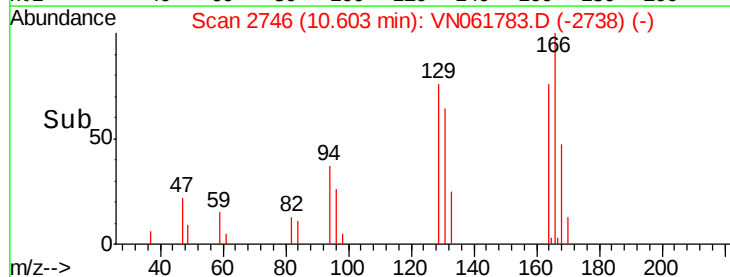
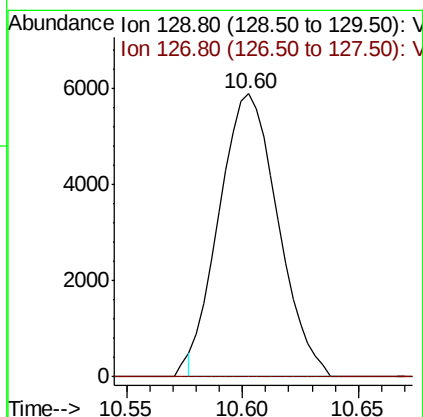
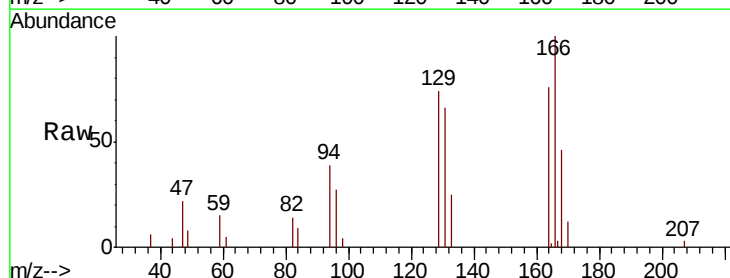
Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20200609DL

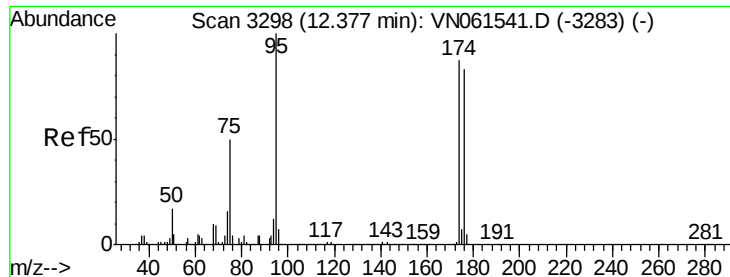
Tot Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
58 57.9 30.7 92.1



#60
Dibromochloromethane
Concen: 2.898 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.27 min
Lab File: VN061783.D
Acq: 12 Jun 2020 12:06

Tgt Ion: 129 Resp: 10356
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#

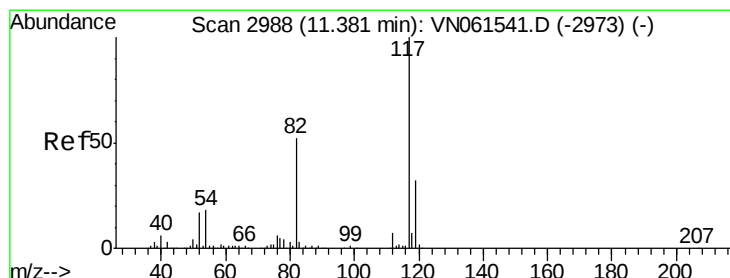
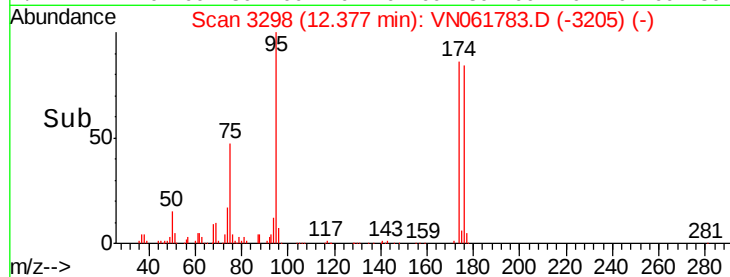
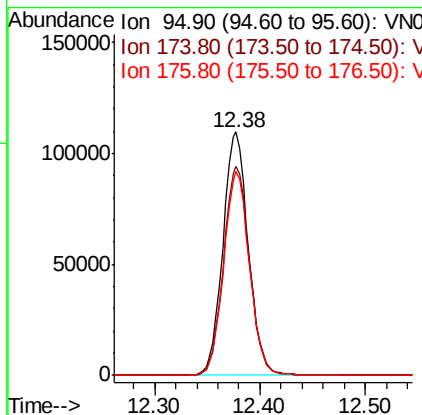
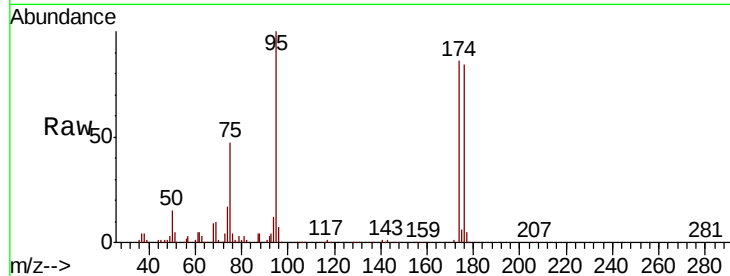




#62
4-Bromofluorobenzene
Concen: 48.085 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061783.D
Acq: 12 Jun 2020 12:06

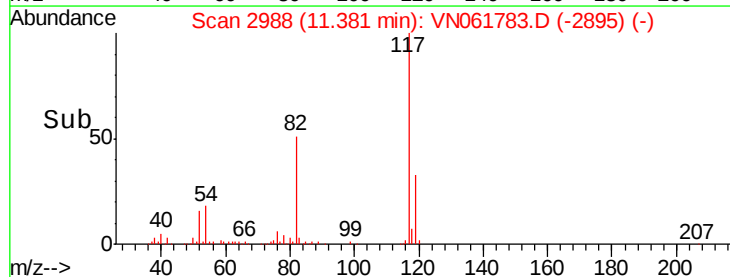
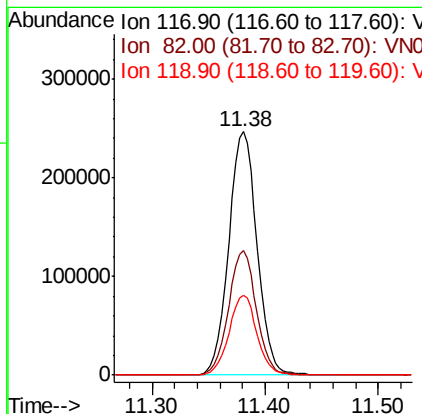
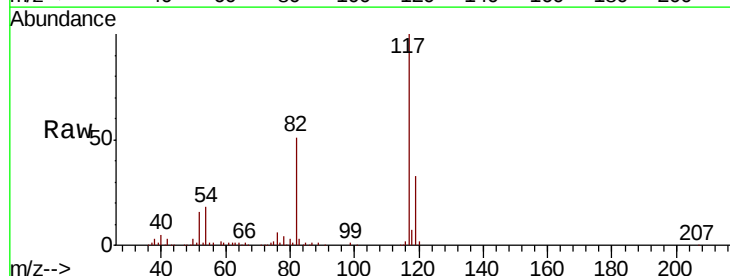
Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20200609DL

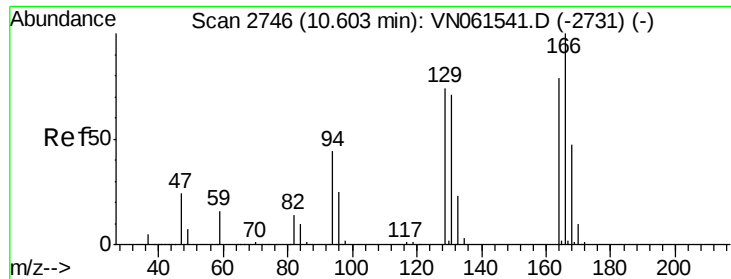
Tot Ion	95	Resp	182500
Ion Ratio	Lower	Upper	
95	100		
174	88.1	0.0	172.8
176	84.8	0.0	164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061783.D
Acq: 12 Jun 2020 12:06

Tgt Ion	117	Resp	429693
Ion Ratio	Lower	Upper	
117	100		
82	51.0	41.5	62.3
119	32.9	25.6	38.4

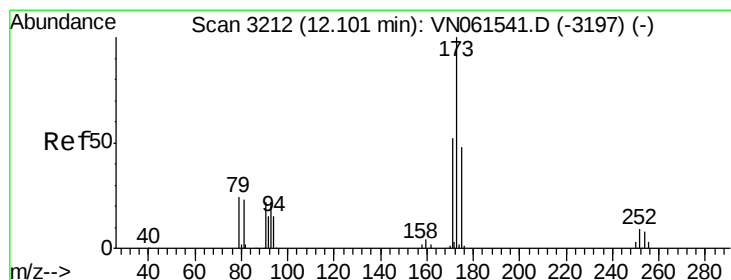
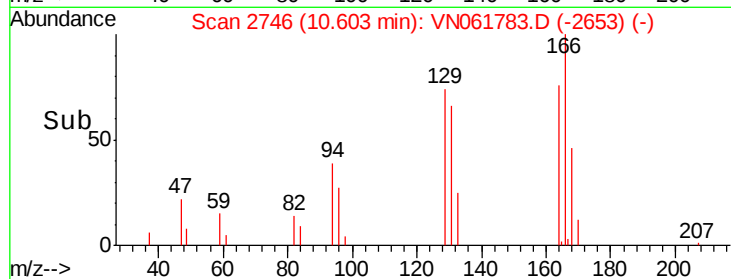
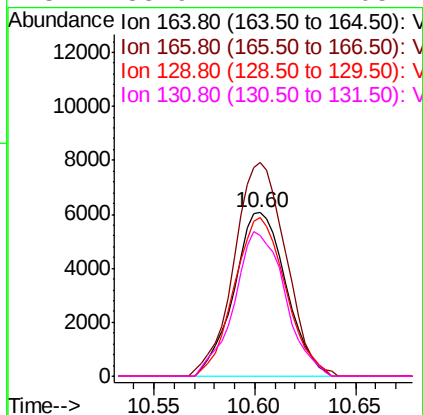
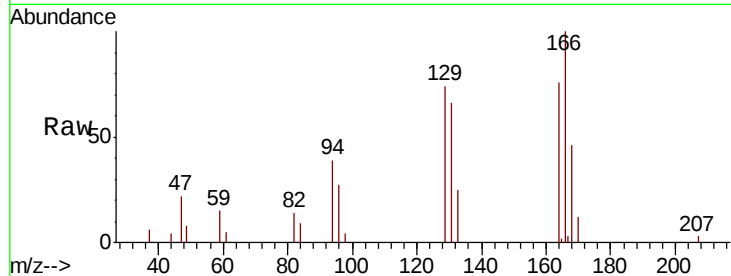




#64
Tetrachloroethene
Concen: 2.708 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061783.D
Acq: 12 Jun 2020 12:06

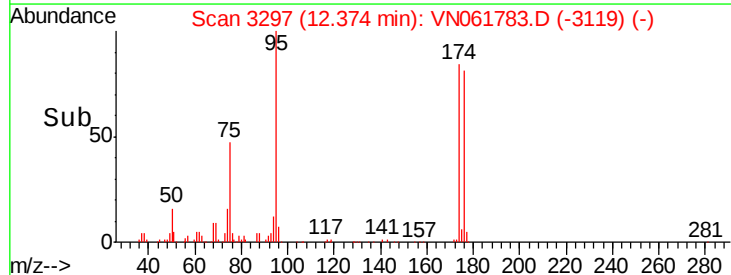
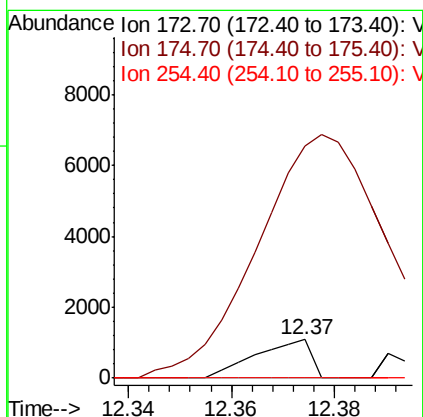
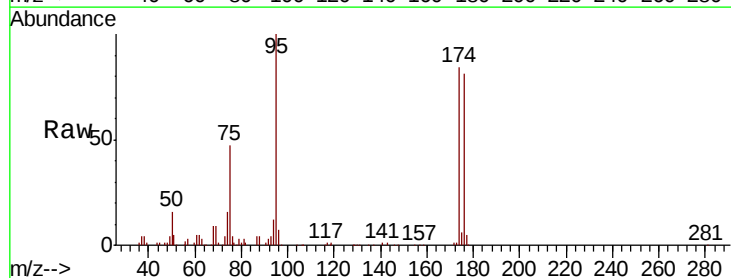
Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20200609DL

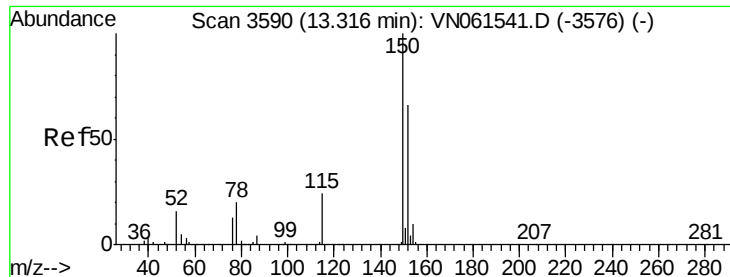
Tot Ion:164 Resp: 10953
Ion Ratio Lower Upper
164 100
166 130.8 101.5 152.3
129 97.1 74.9 112.3
131 85.9 72.2 108.2



#71
Bromoform
Concen: 0.313 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061783.D
Acq: 12 Jun 2020 12:06

Tgt Ion:173 Resp: 803
Ion Ratio Lower Upper
173 100
175 1227.1 24.4 73.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20200609DL

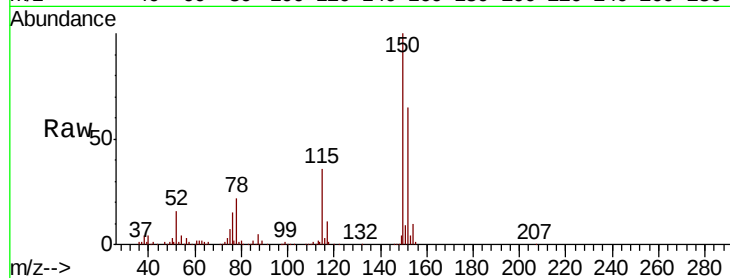
Tot Ion:152 Resp: 186816

Ion Ratio Lower Upper

152 100

115 54.9 28.0 84.0

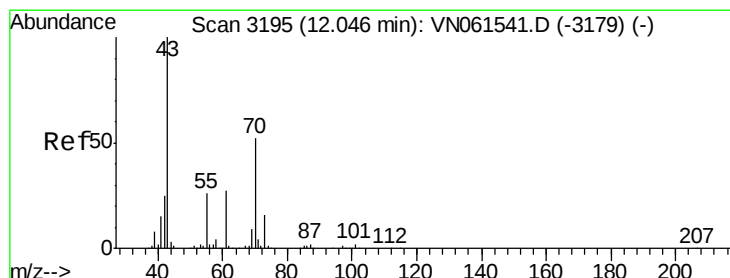
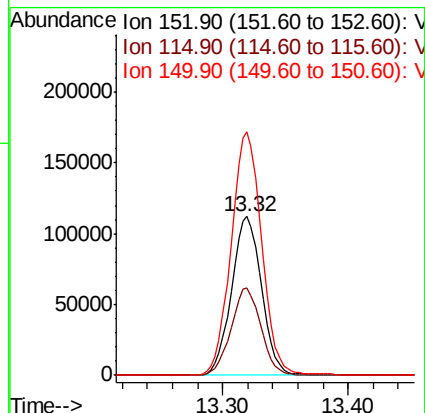
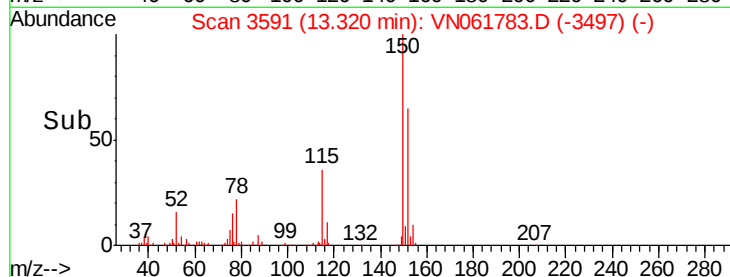
150 155.0 0.0 344.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.274 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Tgt Ion: 43 Resp: 1176

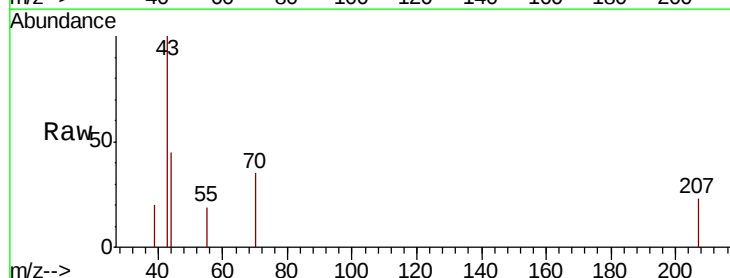
Ion Ratio Lower Upper

43 100

70 19.6 40.5 60.7#

55 0.0 20.6 31.0#

61 0.0 21.8 32.6#

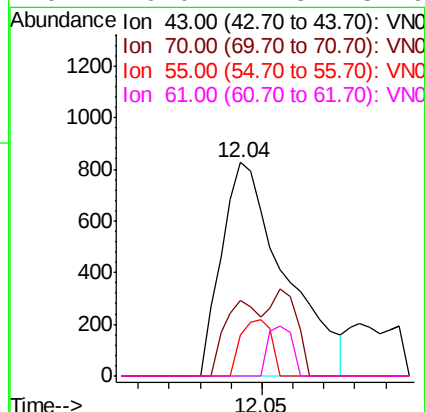
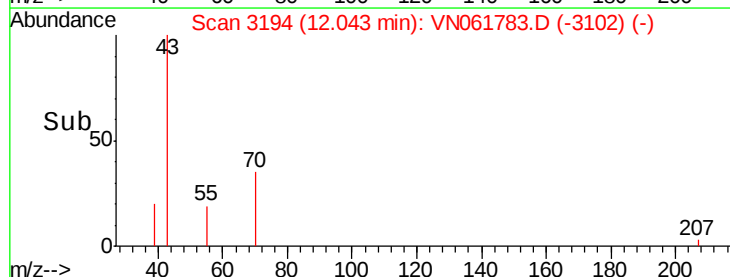


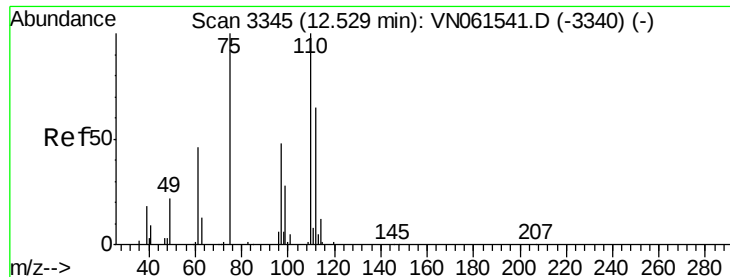
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 25.601 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

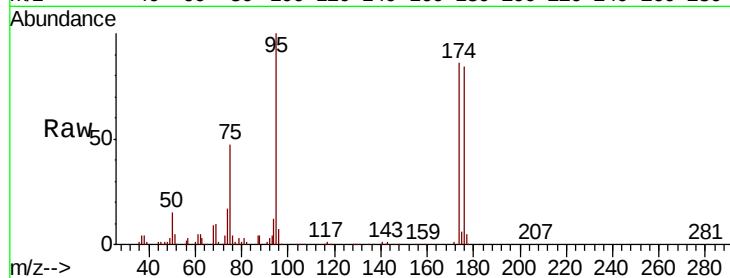
RE131D2-20200609DL

Tot Ion: 75 Resp: 86968

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

60000

50000

40000

30000

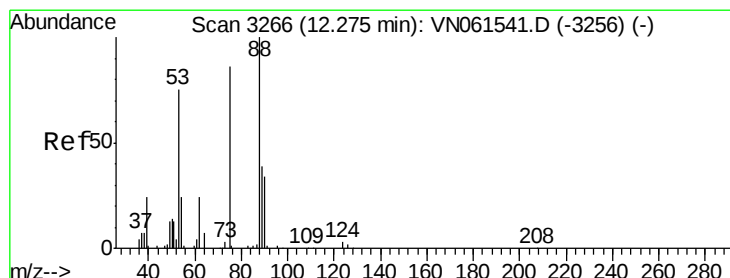
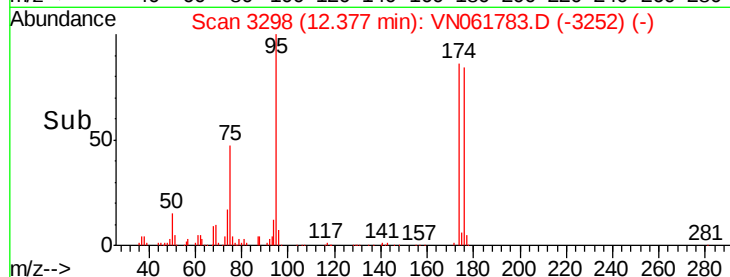
20000

10000

0

12.30 12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 65.469 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

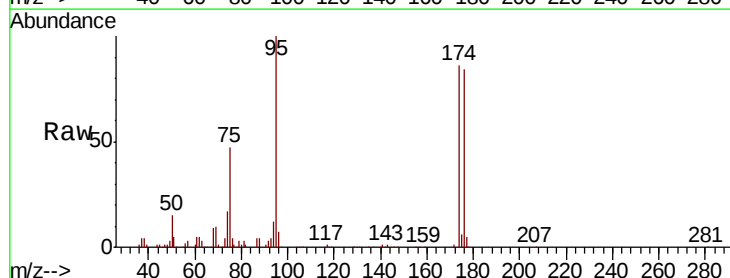
Tgt Ion: 75 Resp: 86968

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

60000

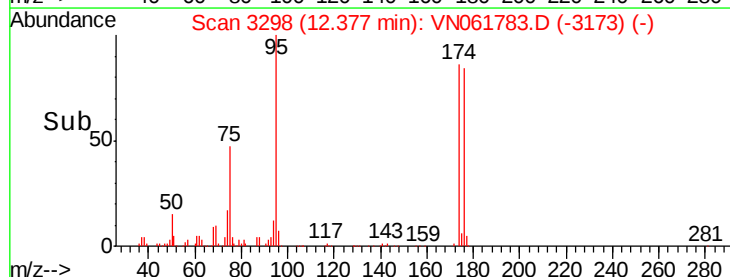
40000

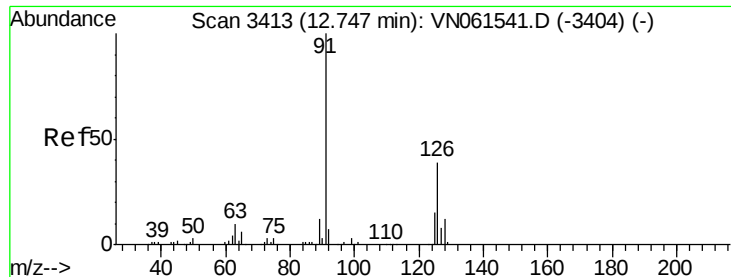
20000

0

12.30 12.35 12.40 12.45

Time-->

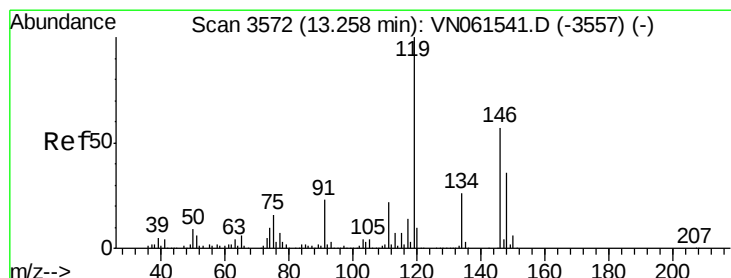
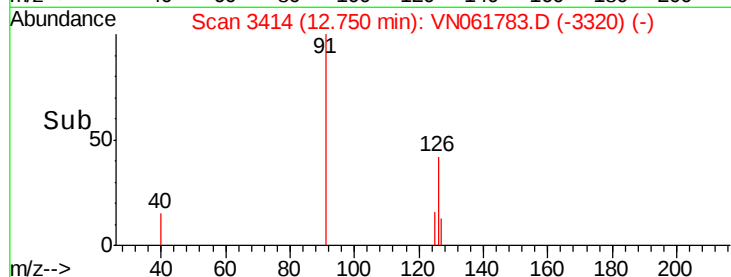
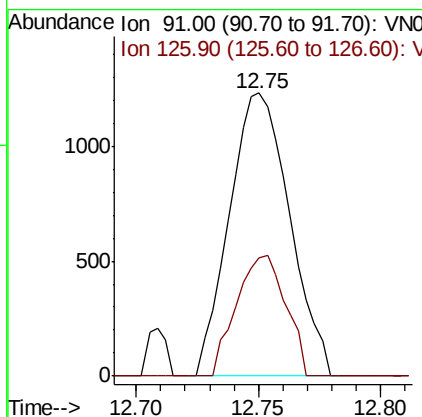
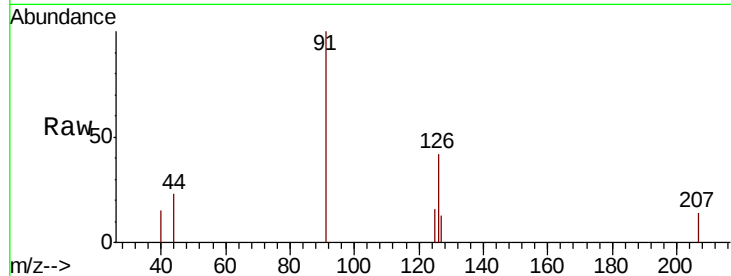




#82
4-Chlorotoluene
Concen: 0.221 ug/l
RT: 12.75 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VN061783.D
Acq: 12 Jun 2020 12:06

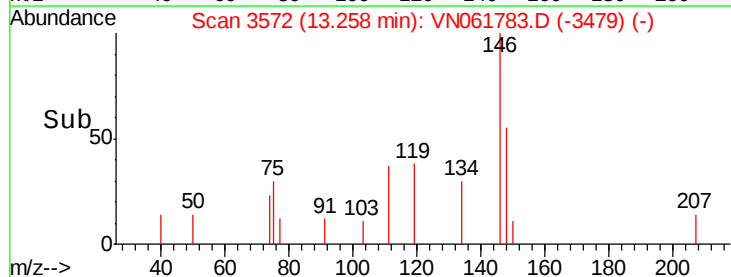
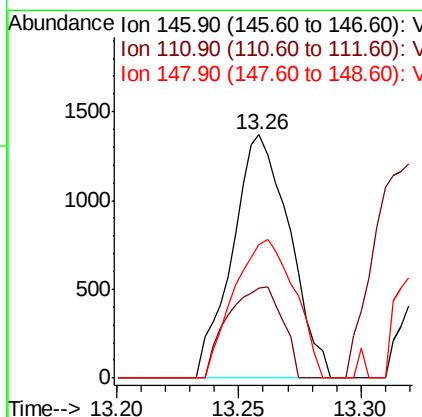
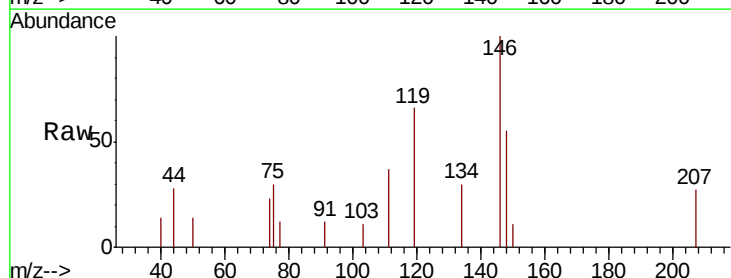
Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20200609DL

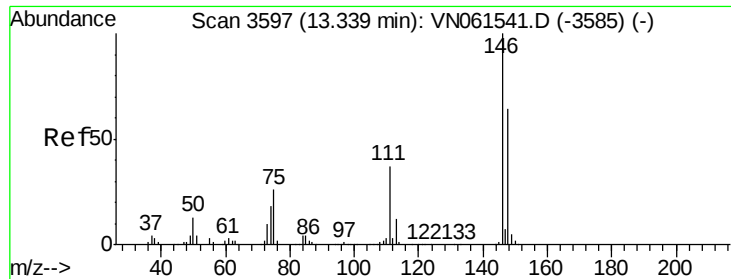
Tot Ion: 91 Resp: 2113
Ion Ratio Lower Upper
91 100
126 34.8 17.5 52.6



#87
1,3-Dichlorobenzene
Concen: 0.362 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VN061783.D
Acq: 12 Jun 2020 12:06

Tgt Ion: 146 Resp: 2231
Ion Ratio Lower Upper
146 100
111 35.9 19.2 57.6
148 60.6 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 0.355 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.08 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20200609DL

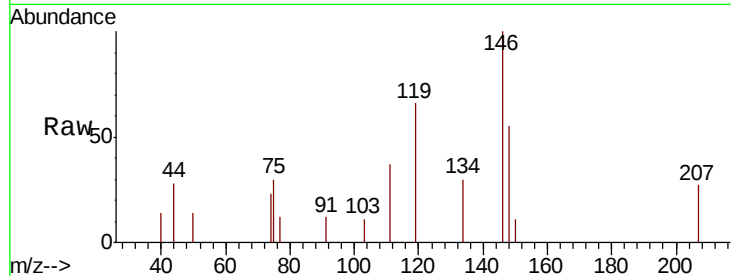
Tot Ion:146 Resp: 2231

Ion Ratio Lower Upper

146 100

111 35.9 18.9 56.9

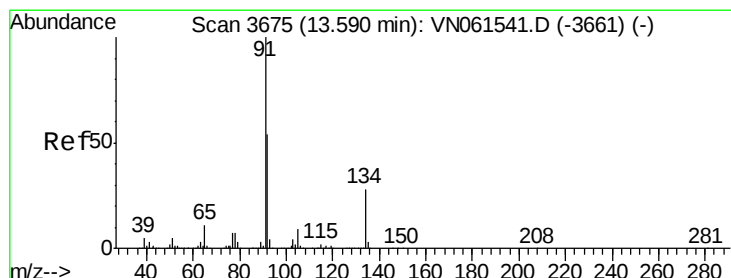
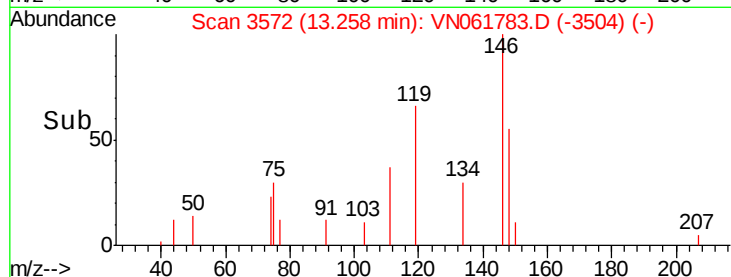
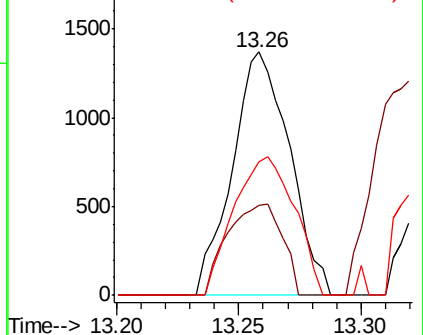
148 60.6 31.8 95.3



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: 0.355 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

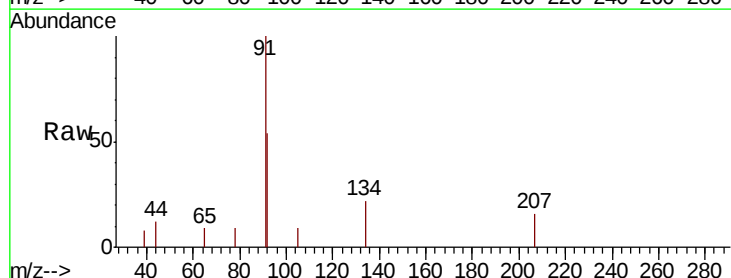
Tgt Ion: 91 Resp: 3554

Ion Ratio Lower Upper

91 100

92 54.6 27.2 81.6

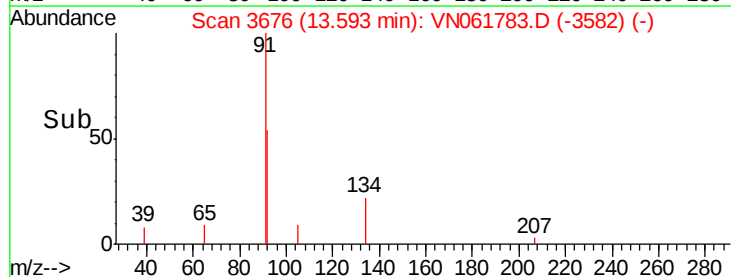
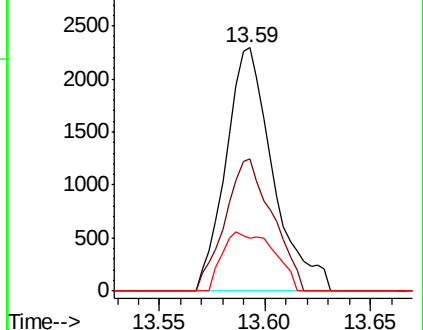
134 26.4 14.0 42.0

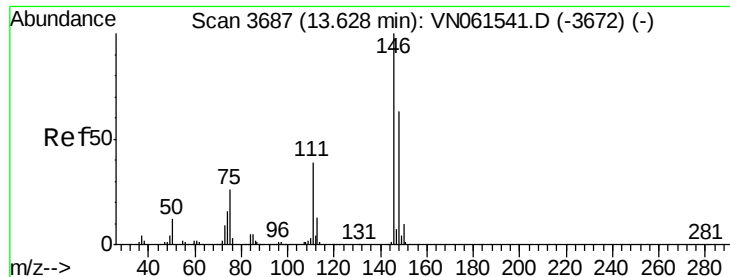


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

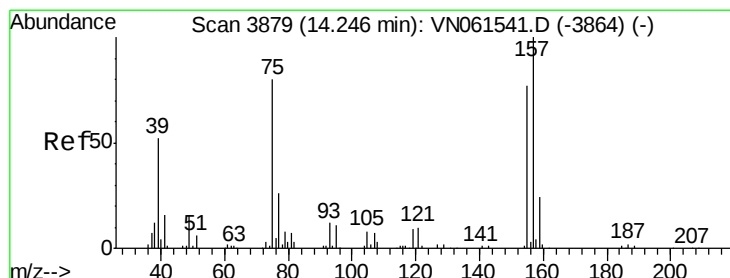
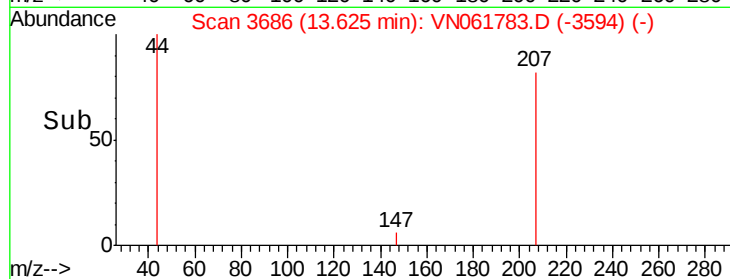
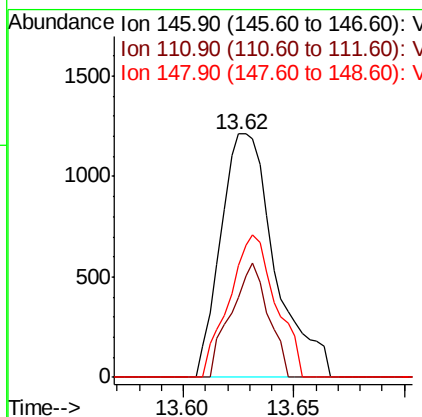
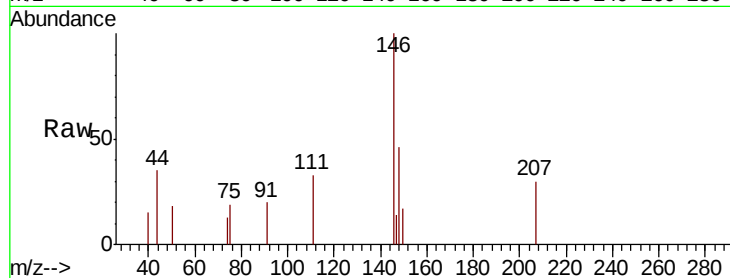




#91
 1,2-Dichlorobenzene
 Concen: 0.351 ug/l
 RT: 13.62 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN061783.D
 Acq: 12 Jun 2020 12:06

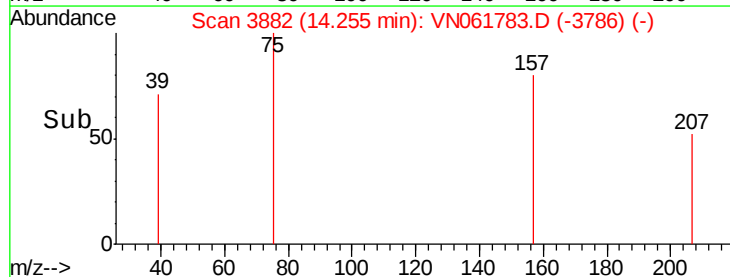
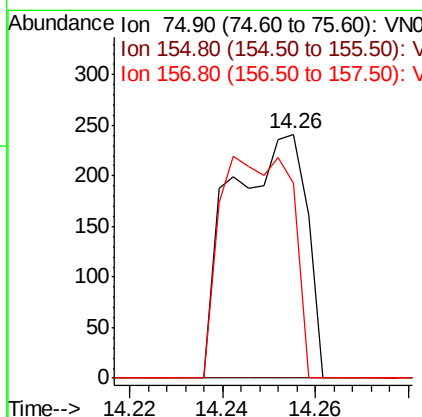
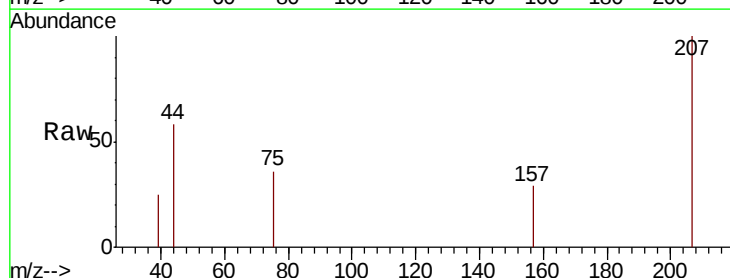
Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D2-20200609DL

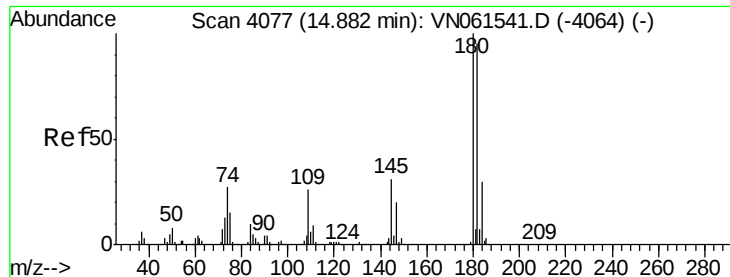
Tot Ion:146 Resp: 2069
 Ion Ratio Lower Upper
 146 100
 111 32.3 20.1 60.2
 148 50.3 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.348 ug/l
 RT: 14.26 min Scan# 3882
 Delta R.T. 0.01 min
 Lab File: VN061783.D
 Acq: 12 Jun 2020 12:06

Tgt Ion: 75 Resp: 271
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.1 141.4#
 157 86.3 60.3 180.8

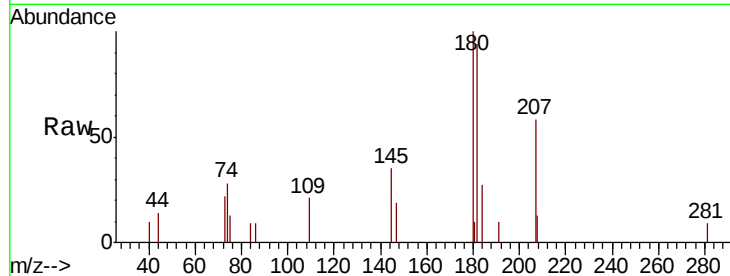




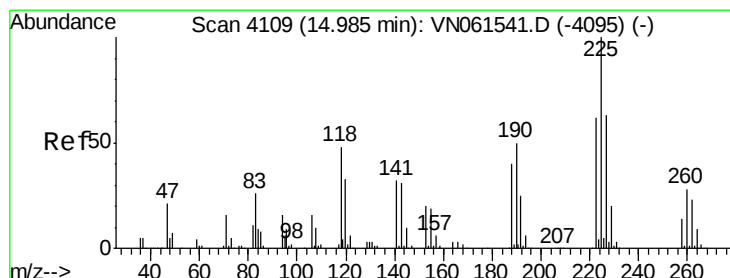
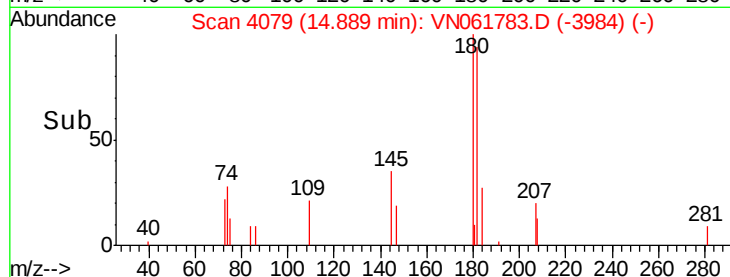
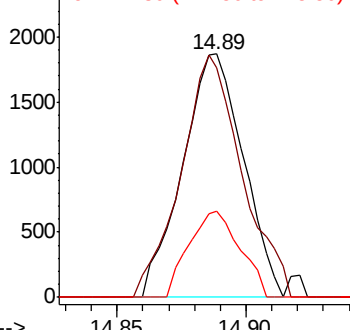
#93
 1,2,4-Trichlorobenzene
 Concen: 0.888 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN061783.D
 Acq: 12 Jun 2020 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D2-20200609DL

Tot Ion:180 Resp: 3059
 Ion Ratio Lower Upper
 180 100
 182 100.1 47.8 143.3
 145 29.9 15.5 46.5

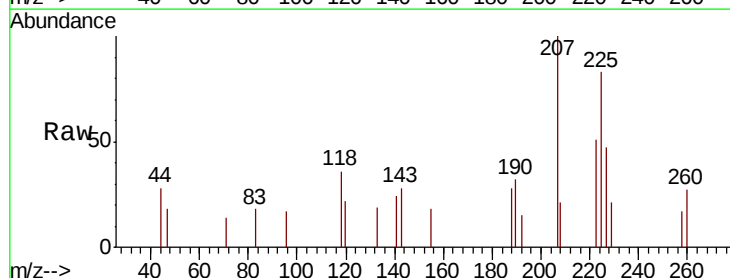


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

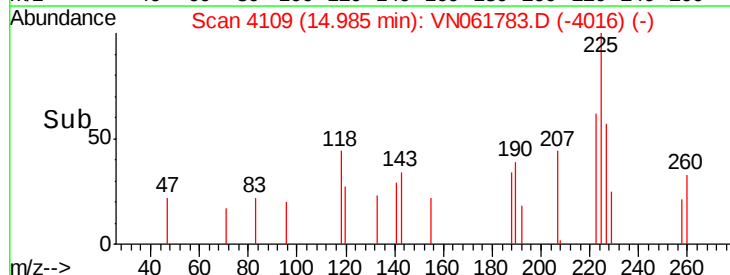
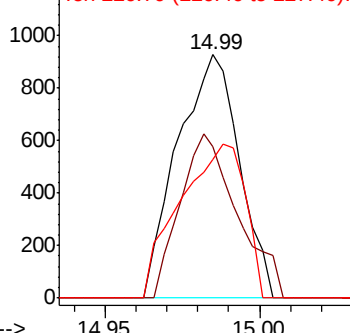


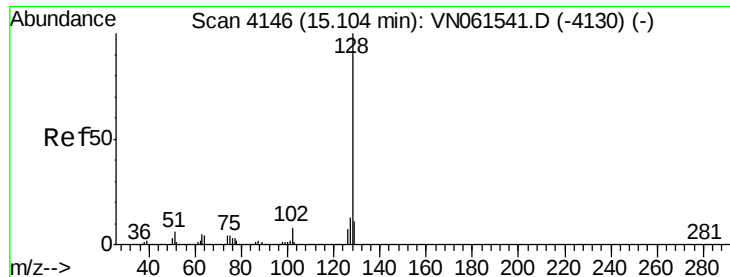
#94
 Hexachlorobutadiene
 Concen: 0.876 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061783.D
 Acq: 12 Jun 2020 12:06

Tgt Ion:225 Resp: 1287
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.9 95.5
 227 67.4 31.9 95.9



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





#95

Naphthalene

Concen: 1.020 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20200609DL

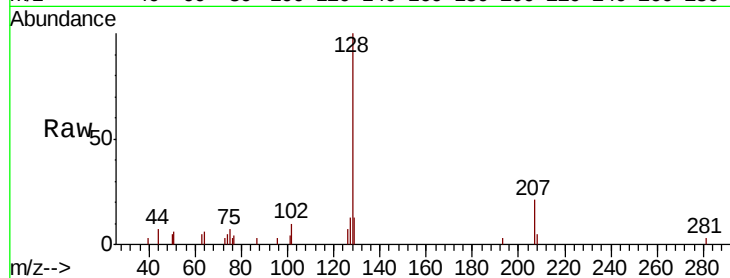
Tot Ion:128 Resp: 10693

Ion Ratio Lower Upper

128 100

127 9.8 10.0 15.0#

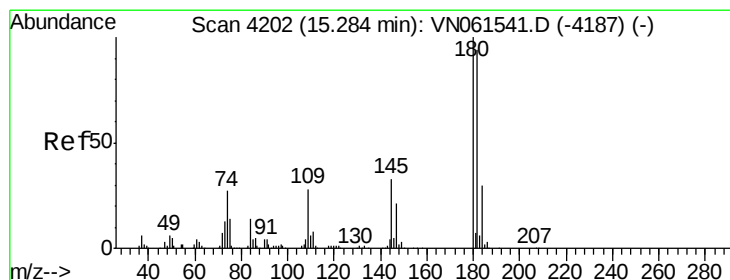
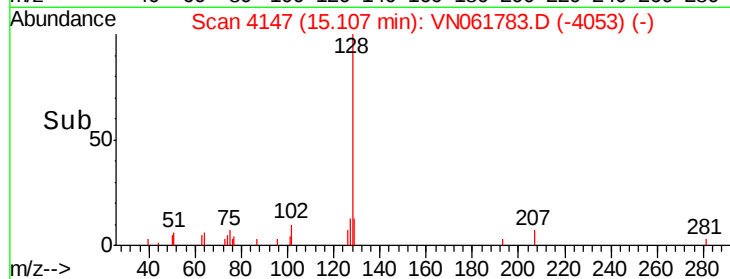
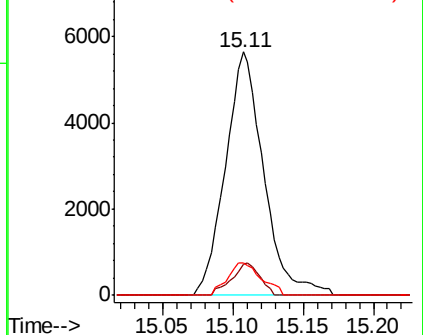
129 11.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.068 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN061783.D

Acq: 12 Jun 2020 12:06

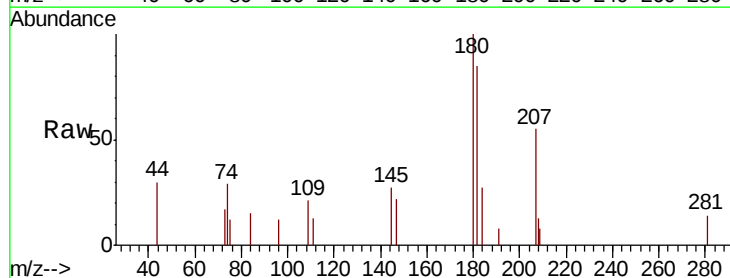
Tgt Ion:180 Resp: 3616

Ion Ratio Lower Upper

180 100

182 95.0 47.1 141.3

145 31.3 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

