

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
 Data File : VV019301.D
 Acq On : 09 Nov 2020 13:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB306

Quant Time: Nov 10 07:00:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 06 14:44:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	275308	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	271215	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	149925	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80000	37.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.30%
7) Chloroethane-d5	1.58	69	72486	43.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.08%
11) 1,1-Dichloroethene-d2	2.12	63	177017	45.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.00%
21) 2-Butanone-d5	3.91	46	128810	109.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.95%
24) Chloroform-d	4.37	84	176107	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.58%
26) 1,2-Dichloroethane-d4	5.05	65	120252	43.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.80%
32) Benzene-d6	5.07	84	323841	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.48%
36) 1,2-Dichloropropane-d6	6.09	67	103211	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.32%
41) Toluene-d8	7.33	98	298024	42.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.44%
43) trans-1,3-Dichloropropene-	7.64	79	57367	45.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.62%
47) 2-Hexanone-d5	8.11	63	87300	100.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.57%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	139963	46.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.96%
66) 1,2-Dichlorobenzene-d4	11.65	152	130458	43.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	76734	45.495	ug/L 99
3) Chloromethane	1.25	50	91469	52.082	ug/L 98
5) Vinyl chloride	1.32	62	94226	51.543	ug/L 99
6) Bromomethane	1.53	94	63256	51.486	ug/L 98
8) Chloroethane	1.60	64	63496	53.108	ug/L 99
9) Trichlorofluoromethane	1.77	101	160862	53.153	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	85258	59.289	ug/L 97
12) 1,1-Dichloroethene	2.13	96	79713	53.634	ug/L 96
13) Acetone	2.20	43	122868	137.911	ug/L 98
14) Carbon disulfide	2.31	76	209923	49.188	ug/L 100
15) Methyl Acetate	2.45	43	91178	52.818	ug/L 97
16) Methylene chloride	2.52	84	89450	50.629	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	80920	50.188	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	278592	49.155	ug/L 98
19) 1,1-Dichloroethane	3.21	63	160602	50.839	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	89661	50.321	ug/L 98
22) 2-Butanone	4.00	43	135327	119.662	ug/L 95

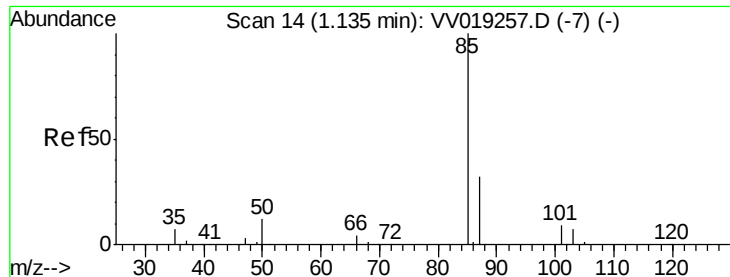
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	48032	48.959	ug/L	96
25) Chloroform	4.40	83	169948	50.179	ug/L	97
27) 1,2-Dichloroethane	5.15	62	141111	49.015	ug/L	100
29) Cyclohexane	4.70	56	129647	55.859	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	156132	49.637	ug/L	98
31) Carbon tetrachloride	4.85	117	135355	49.837	ug/L	99
33) Benzene	5.12	78	343346	50.940	ug/L	100
34) Trichloroethene	5.94	95	94848	51.781	ug/L	99
35) Methylcyclohexane	6.15	83	122689	55.339	ug/L	96
37) 1,2-Dichloropropane	6.19	63	93090	51.750	ug/L	98
38) Bromodichloromethane	6.53	83	129077	49.860	ug/L	98
39) cis-1,3-Dichloropropene	7.04	75	143748	49.942	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	253559	104.926	ug/L	99
42) Toluene	7.41	91	377162	51.769	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	151134	51.241	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	88402	49.721	ug/L	97
46) Tetrachloroethene	7.99	164	75675	50.633	ug/L	98
48) 2-Hexanone	8.15	43	201507	110.295	ug/L	99
49) Dibromochloromethane	8.26	129	103949	49.024	ug/L	99
50) 1,2-Dibromoethane	8.37	107	91610	49.710	ug/L	98
51) Chlorobenzene	8.90	112	246157	50.511	ug/L	99
52) Ethylbenzene	9.03	91	423695	52.711	ug/L	98
53) m,p-Xylene	9.16	106	156890	52.135	ug/L	99
54) o-Xylene	9.56	106	152599	51.445	ug/L	97
55) Styrene	9.58	104	278088	52.668	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	131533	48.900	ug/L	99
59) Bromoform	9.75	173	78500	47.177	ug/L	99
60) Isopropylbenzene	9.95	105	417497	53.132	ug/L	99
61) 1,2,3-Trichloropropane	10.29	75	113014	48.520	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	346919	53.009	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	336705	52.579	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	207108	50.389	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	214148	50.361	ug/L	99
67) 1,2-Dichlorobenzene	11.66	146	207691	49.393	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	31918	46.972	ug/L	96
69) 1,3,5-Trichlorobenzene	12.67	180	148679	50.399	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	137840	49.658	ug/L	99
71) Naphthalene	13.52	128	384580	49.125	ug/L	100
72) 1,2,3-Trichlorobenzene	13.76	180	137823	50.087	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 45.495 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019301.D

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Instrument :

MSVOA_V

ClientSampleId :

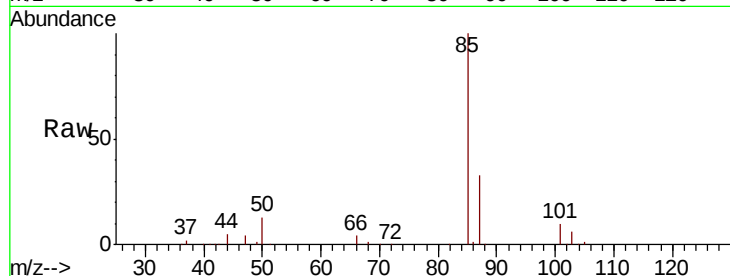
BFB306

Tot Ion: 85 Resp: 76734

Ion Ratio Lower Upper

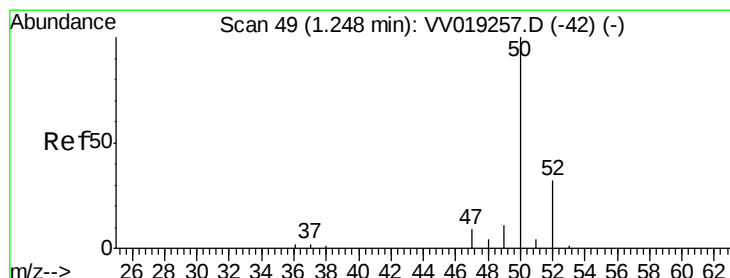
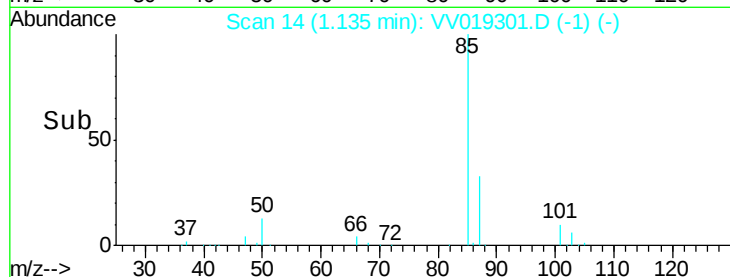
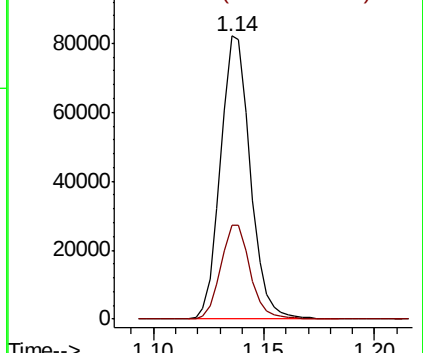
85 100

87 33.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 52.082 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019301.D

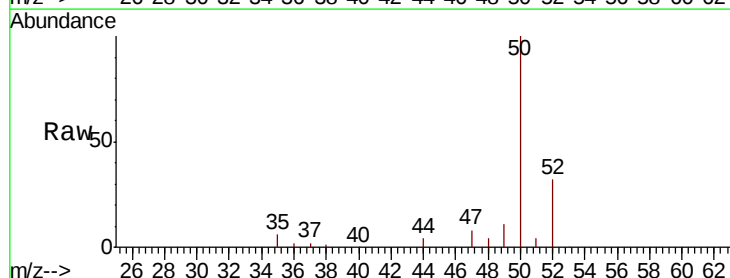
Acq: 09 Nov 2020 13:21

Tgt Ion: 50 Resp: 91469

Ion Ratio Lower Upper

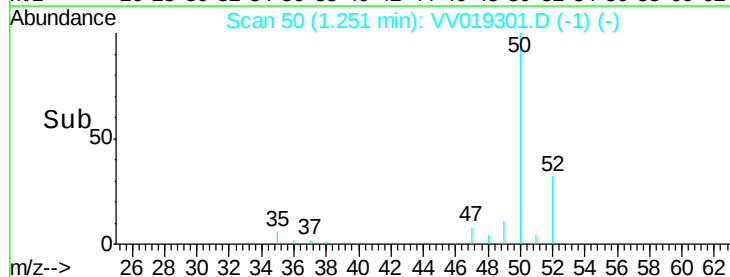
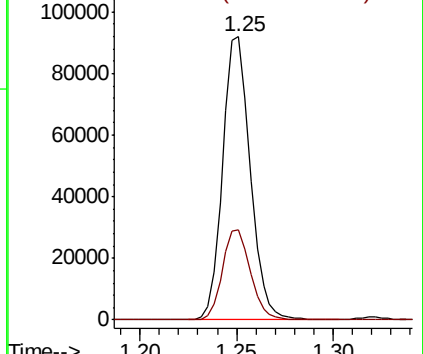
50 100

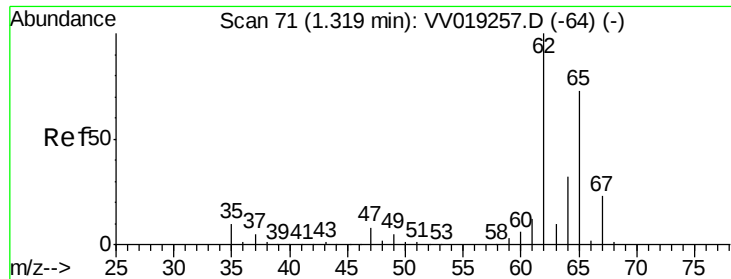
52 31.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.543 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

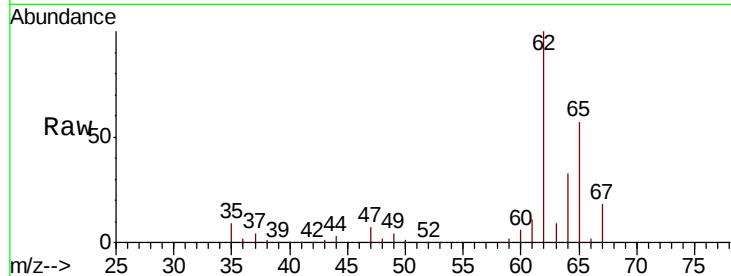
BFB306

Tot Ion: 62 Resp: 94226

Ion Ratio Lower Upper

62 100

64 32.6 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

100000

80000

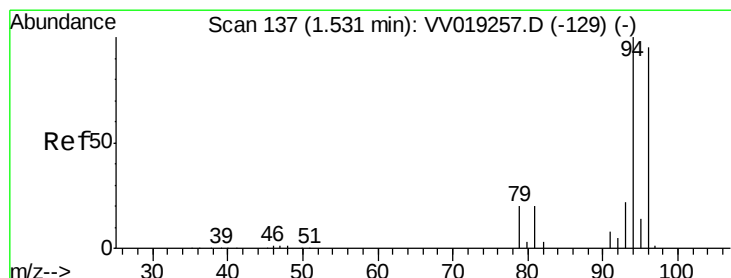
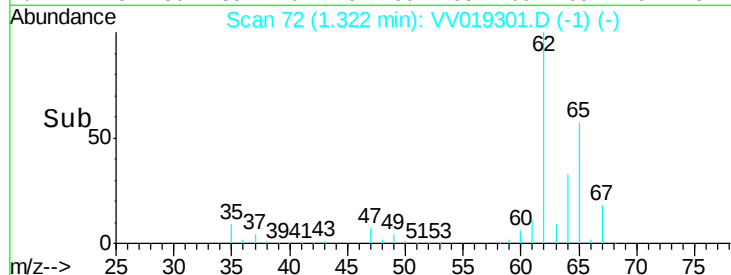
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 51.486 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019301.D

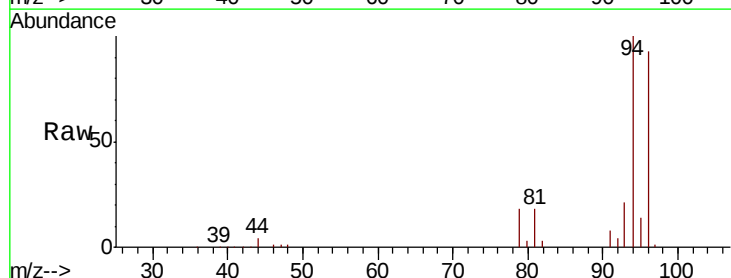
Acq: 09 Nov 2020 13:21

Tgt Ion: 94 Resp: 63256

Ion Ratio Lower Upper

94 100

96 93.1 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

60000

50000

40000

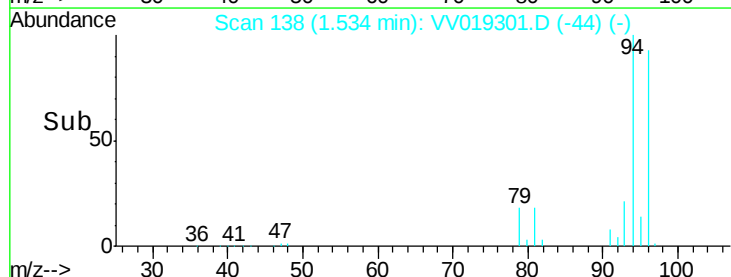
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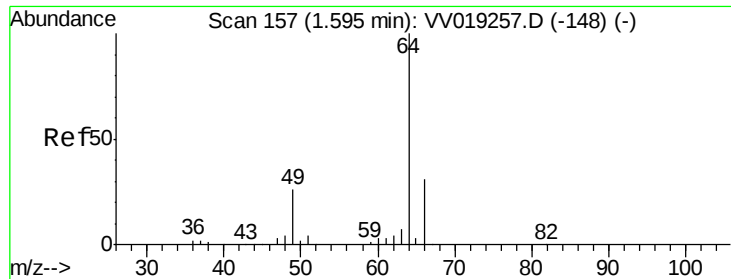
20000

10000

0

Time-->





#8

Chloroethane

Concen: 53.108 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

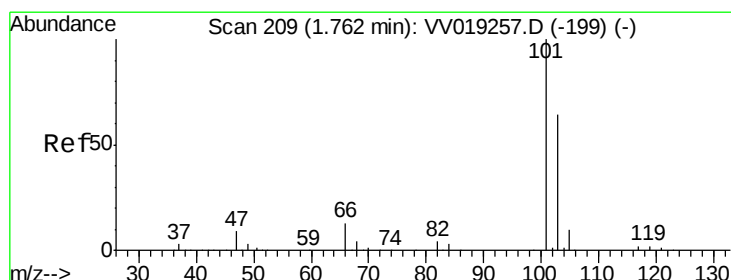
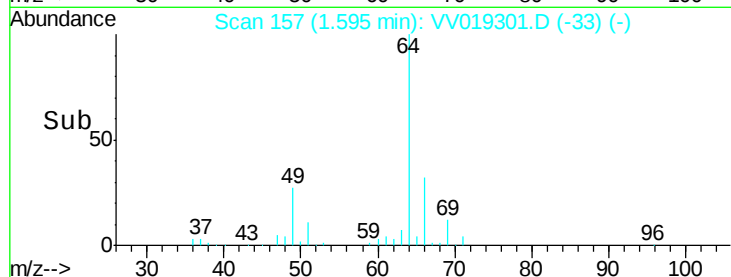
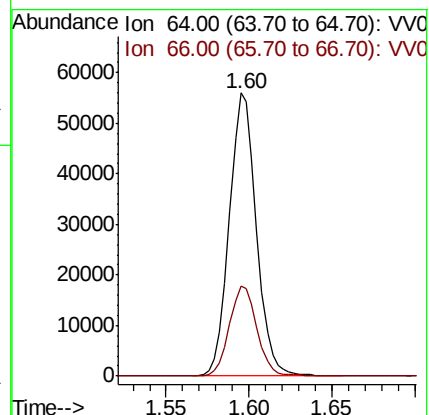
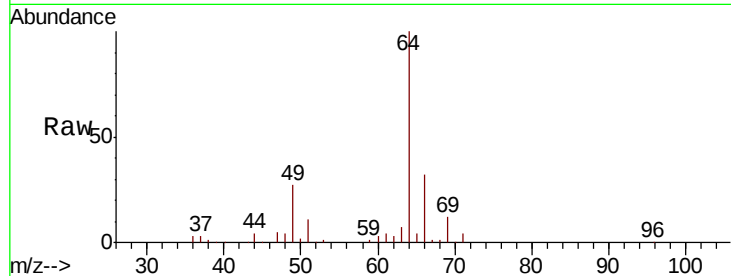
BFB306

Tot Ion: 64 Resp: 63496

Ion Ratio Lower Upper

64 100

66 31.7 22.5 41.9



#9

Trichlorofluoromethane

Concen: 53.153 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019301.D

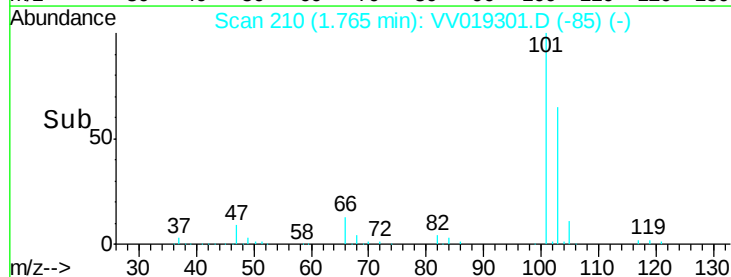
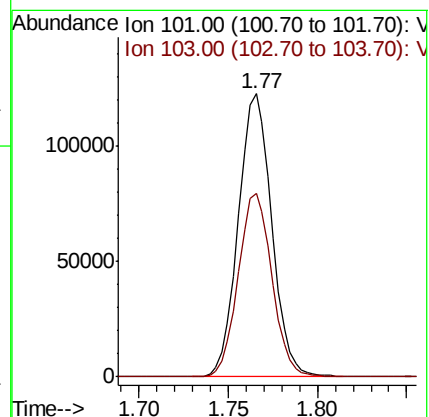
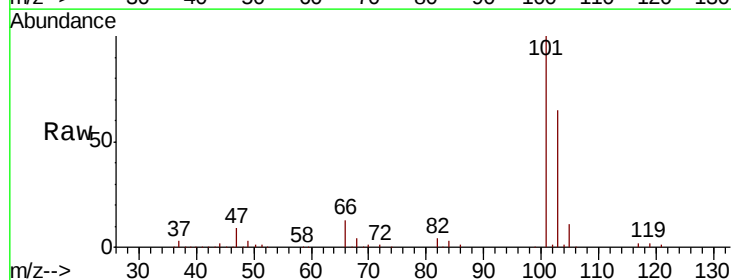
Acq: 09 Nov 2020 13:21

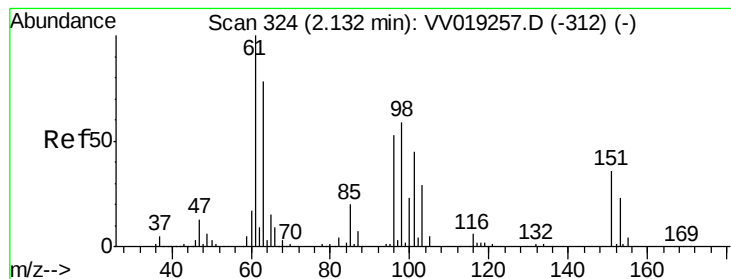
Tgt Ion: 101 Resp: 160862

Ion Ratio Lower Upper

101 100

103 65.3 52.3 78.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 59.289 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

BFB306

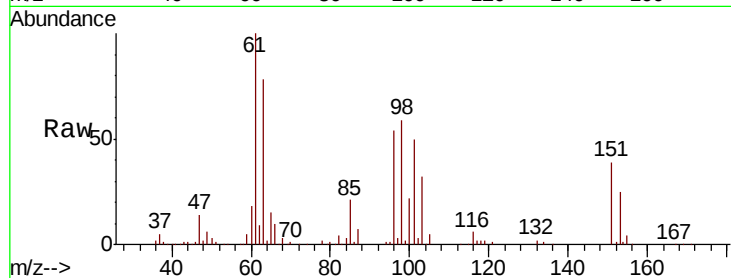
Tot Ion:101 Resp: 85258

Ion Ratio Lower Upper

101 100

85 43.9 35.6 53.4

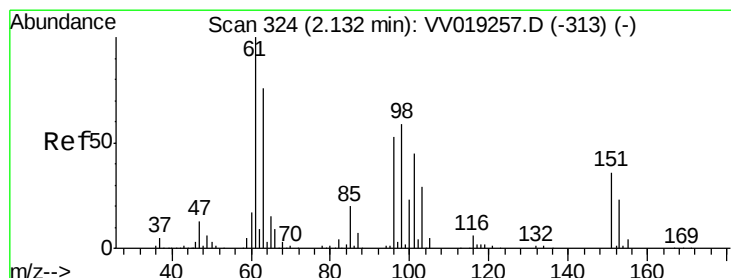
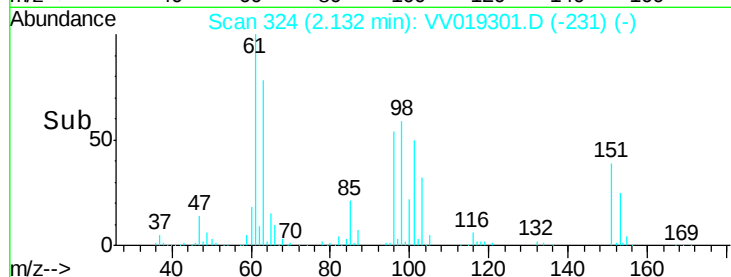
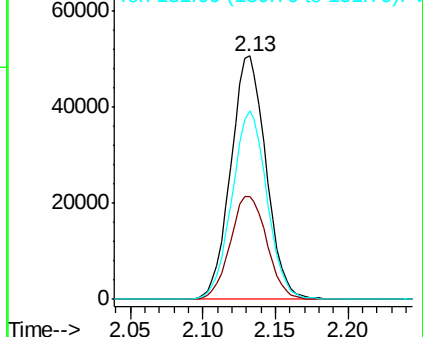
151 76.9 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.634 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

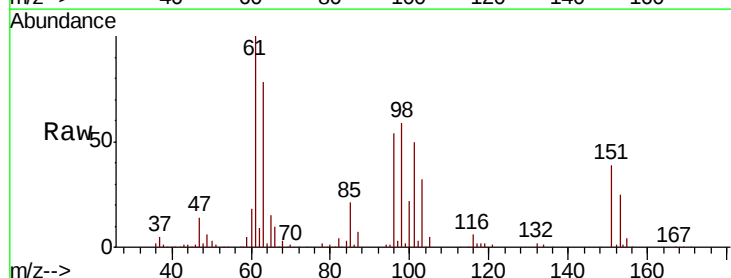
Tgt Ion: 96 Resp: 79713

Ion Ratio Lower Upper

96 100

61 183.6 133.6 248.0

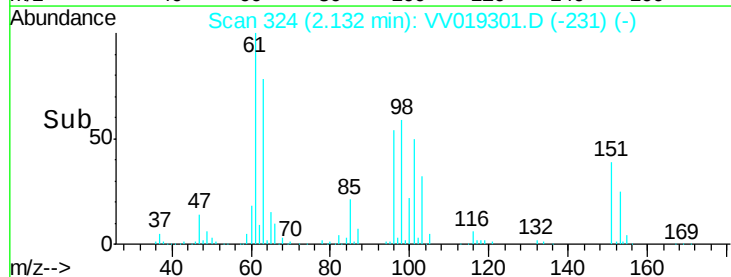
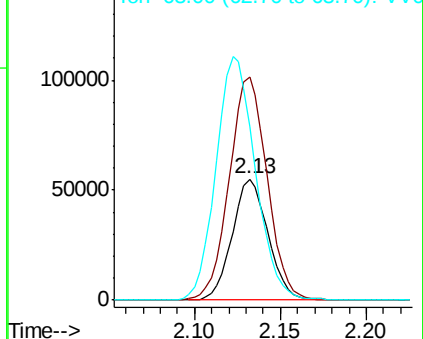
63 142.7 103.0 191.2

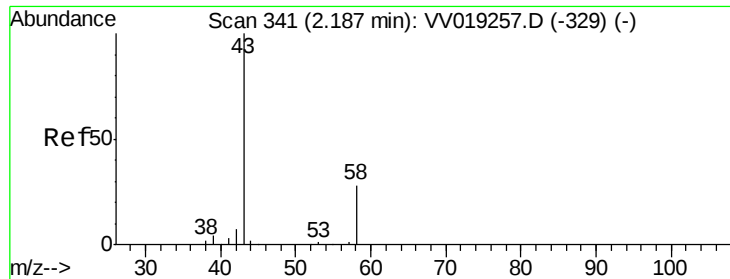


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 137.911 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

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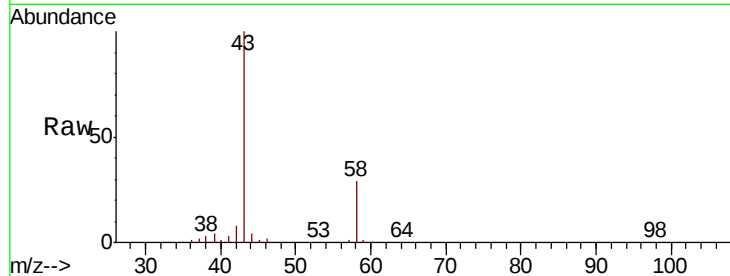
BFB306

Tot Ion: 43 Resp: 122868

Ion Ratio Lower Upper

43 100

58 29.8 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019257.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019257.D (-329) (-)

2.20

50000

40000

30000

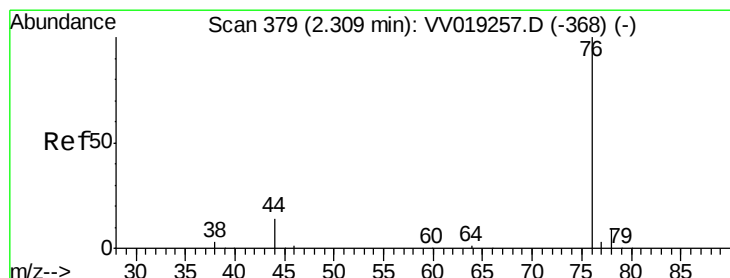
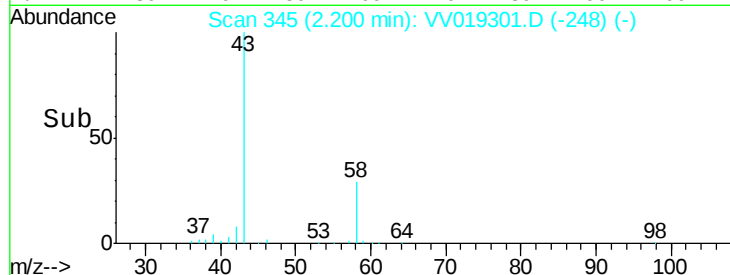
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 49.188 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019301.D

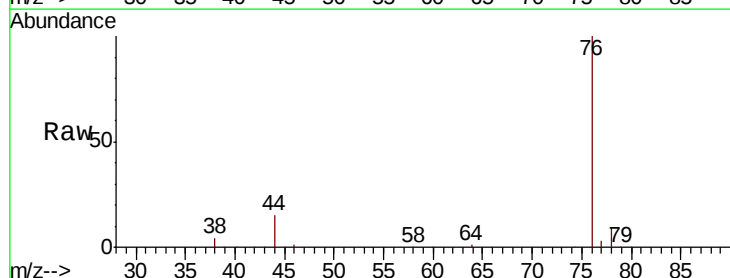
Acq: 09 Nov 2020 13:21

Tgt Ion: 76 Resp: 209923

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019257.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019257.D (-368) (-)

2.31

150000

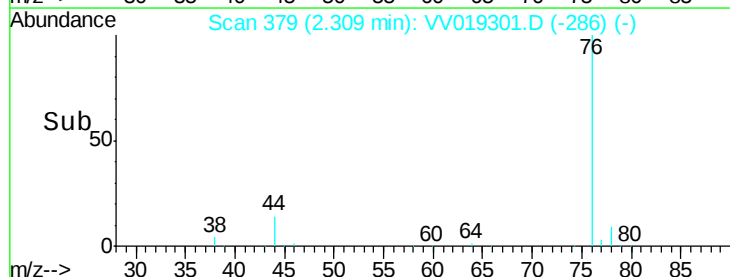
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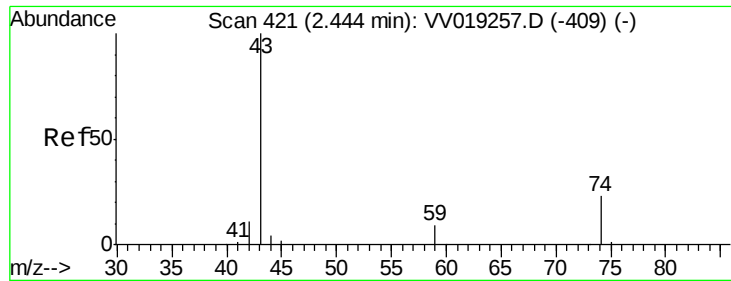
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Time-->

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 52.818 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.01 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampled :

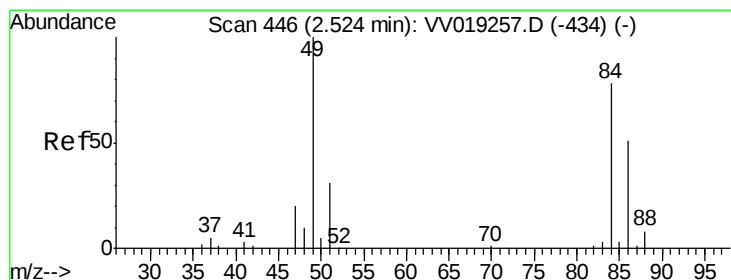
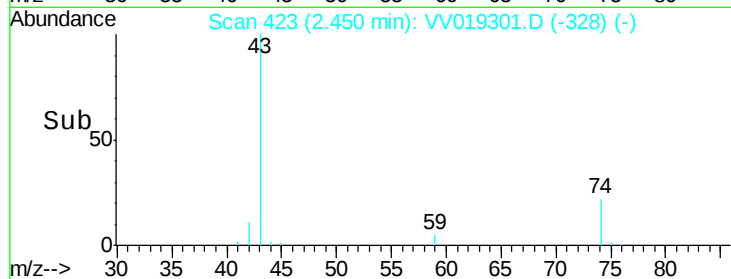
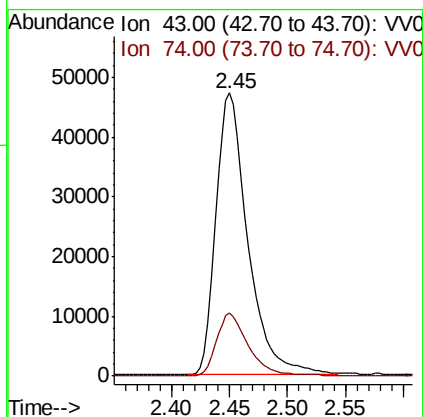
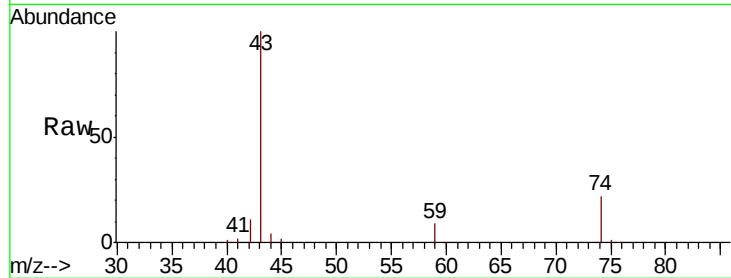
BFB306

Tot Ion: 43 Resp: 91178

Ion Ratio Lower Upper

43 100

74 22.2 18.8 28.2



#16

Methylene chloride

Concen: 50.629 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

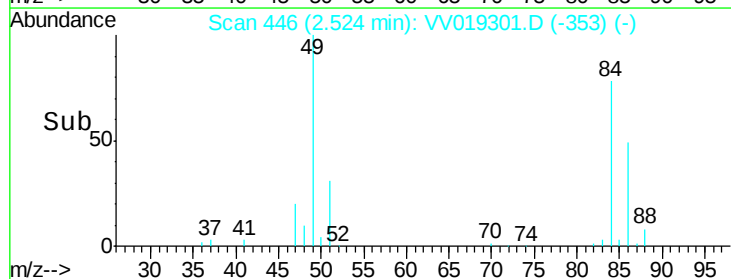
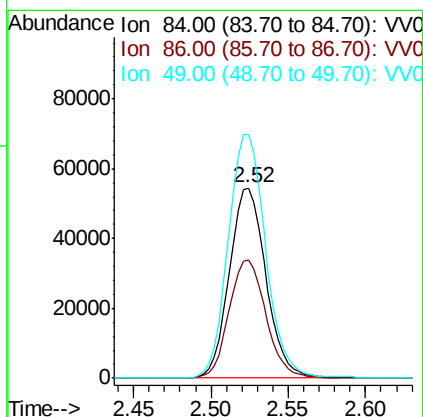
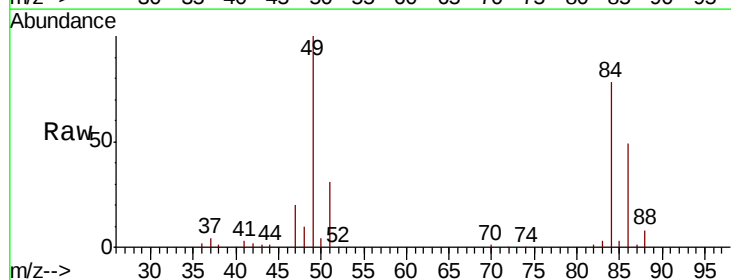
Tgt Ion: 84 Resp: 89450

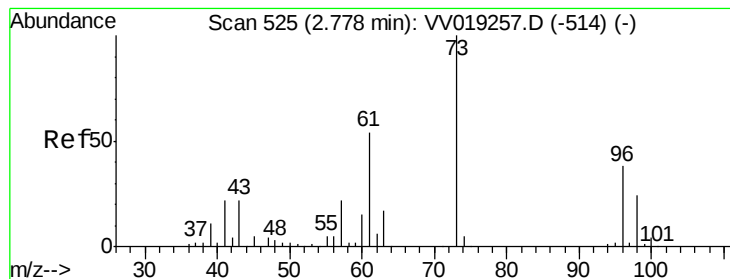
Ion Ratio Lower Upper

84 100

86 62.2 45.6 84.8

49 128.1 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 50.188 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

BFB306

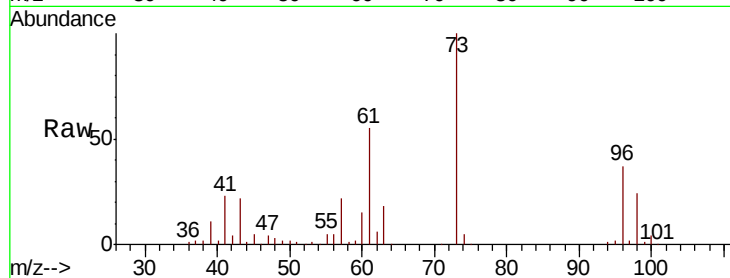
Tot Ion: 96 Resp: 80920

Ion Ratio Lower Upper

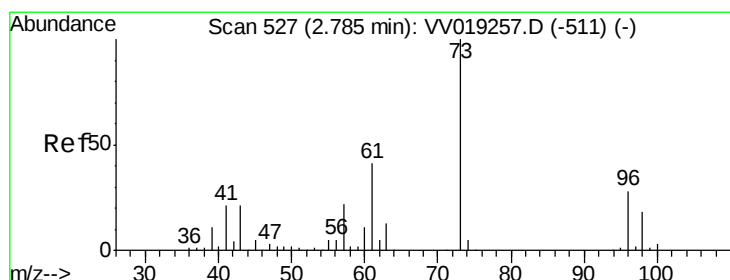
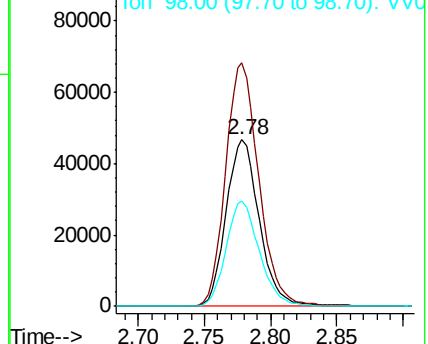
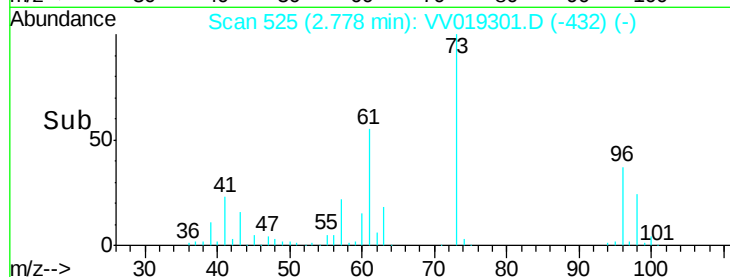
96 100

61 146.2 100.7 187.1

98 63.5 42.9 79.7



Abundance Ion 96.00 (95.70 to 96.70): VV019301.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 49.155 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

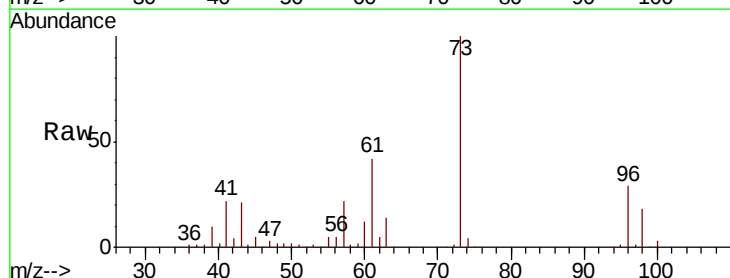
Tgt Ion: 73 Resp: 278592

Ion Ratio Lower Upper

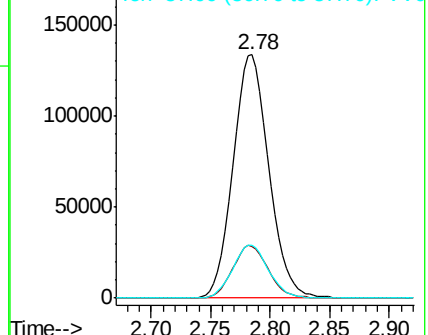
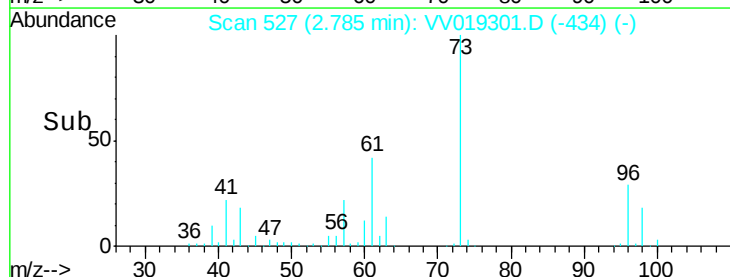
73 100

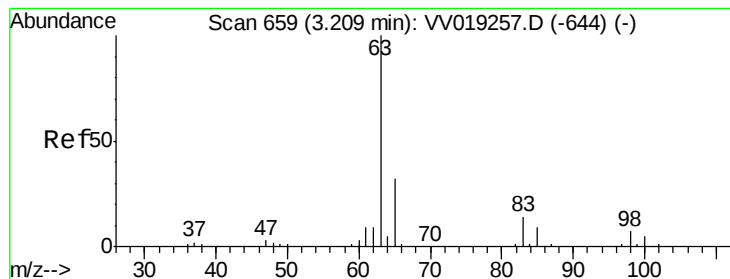
43 21.4 17.9 26.9

57 21.9 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV019301.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 50.839 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

BFB306

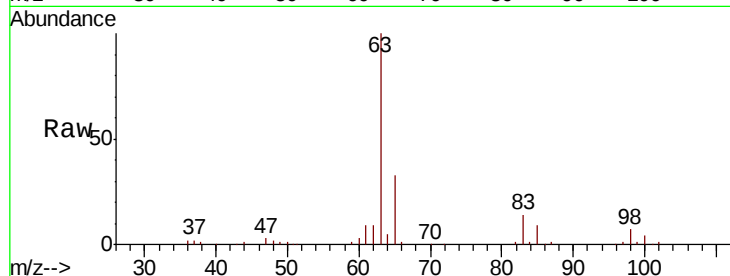
Tot Ion: 63 Resp: 160602

Ion Ratio Lower Upper

63 100

65 32.5 21.8 40.6

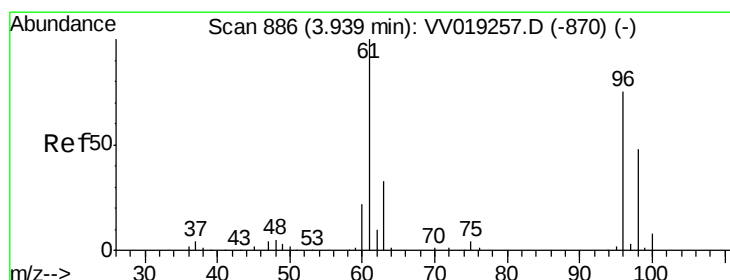
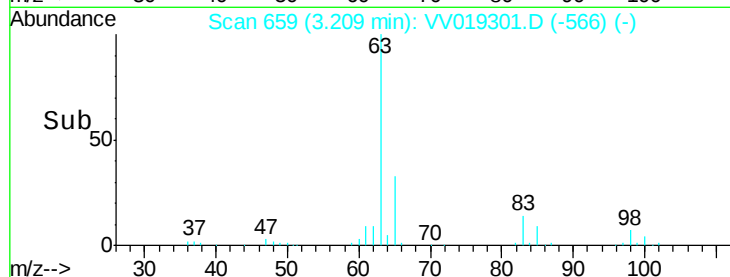
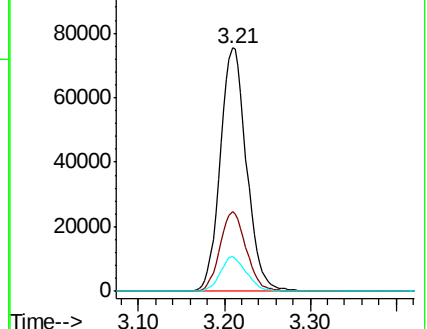
83 14.2 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 50.321 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

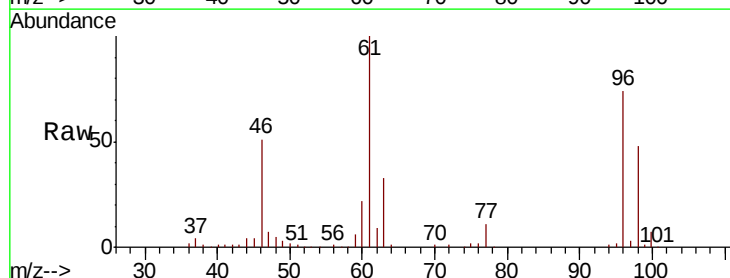
Tgt Ion: 96 Resp: 89661

Ion Ratio Lower Upper

96 100

61 134.3 95.6 177.6

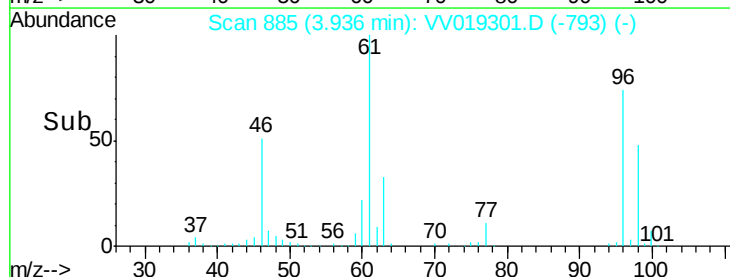
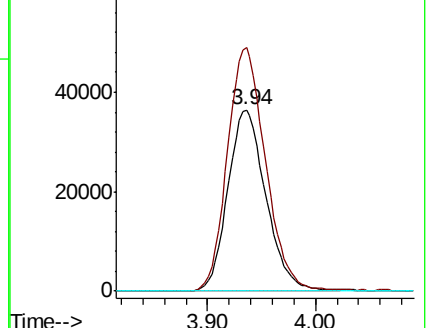
68 0.0 0.0 0.0

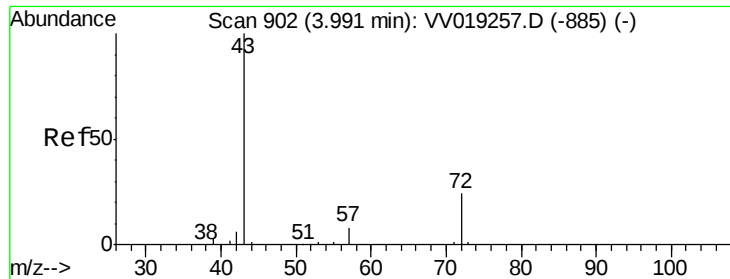


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 119.662 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.01 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

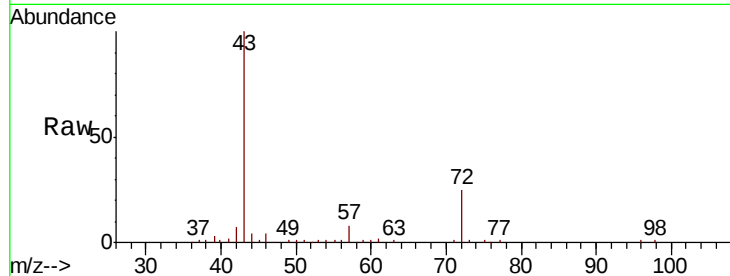
BFB306

Tot Ion: 43 Resp: 135327

Ion Ratio Lower Upper

43 100

72 22.9 12.7 38.0



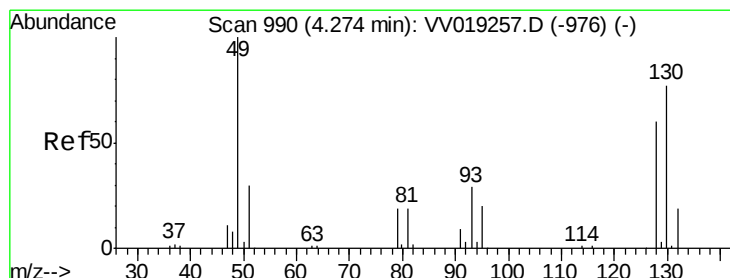
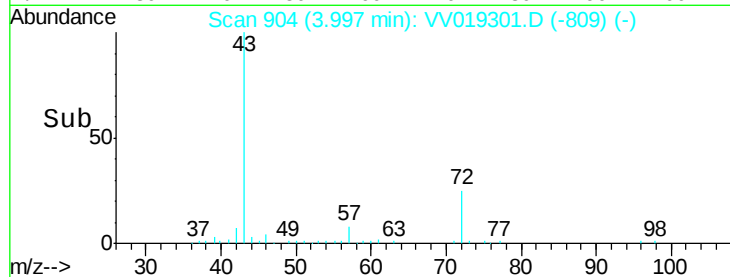
Abundance Ion 43.00 (42.70 to 43.70): VV019301.D (-809) (-)

Ion 72.00 (71.70 to 72.70): VV019301.D (-809) (-)

4.00

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 48.959 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Tgt Ion: 128 Resp: 48032

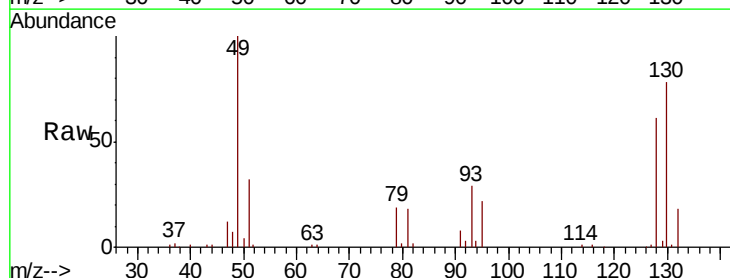
Ion Ratio Lower Upper

128 100

49 163.2 108.8 202.2

130 127.2 88.5 164.3

51 52.5 37.8 56.6



Abundance Ion 128.00 (127.70 to 128.70): VV019301.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV019301.D (-897) (-)

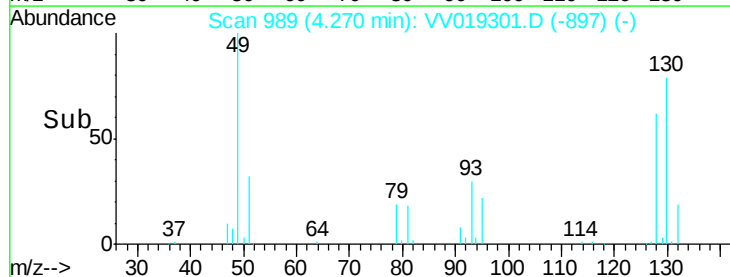
Ion 130.00 (129.70 to 130.70): VV019301.D (-897) (-)

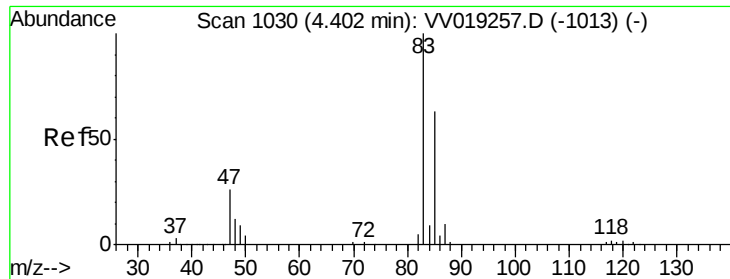
Ion 51.00 (50.70 to 51.70): VV019301.D (-897) (-)

4.27

4.20 4.25 4.30 4.35

Time-->

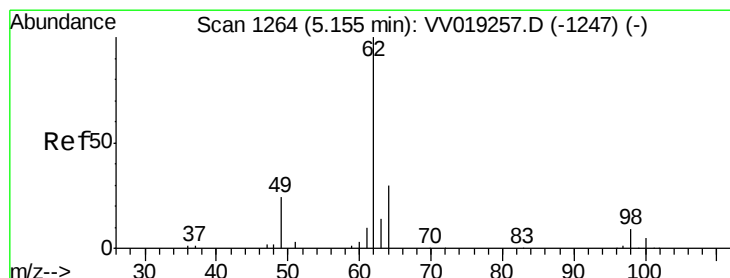
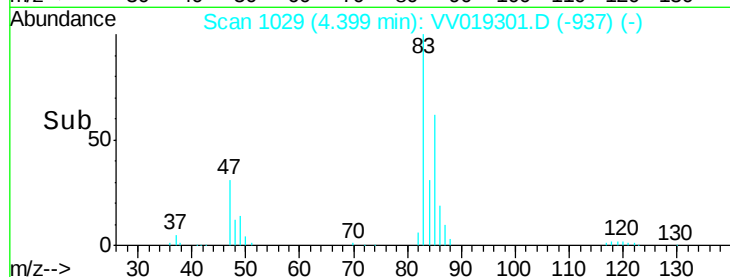
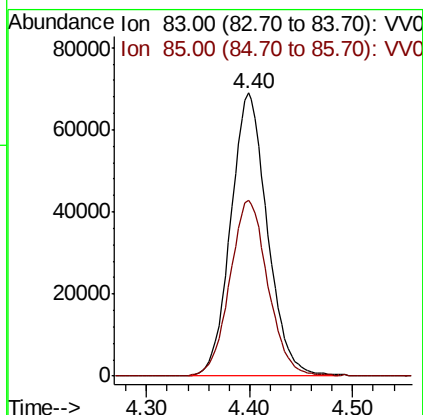
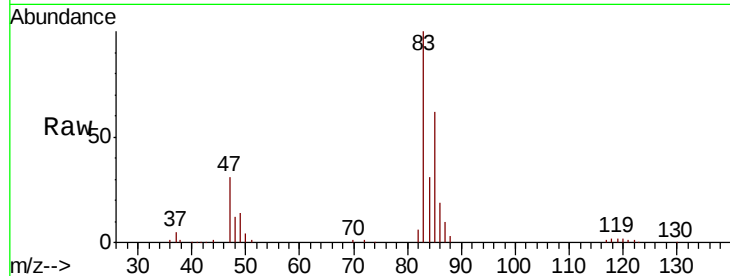




#25
Chloroform
Concen: 50.179 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019301.D
Acq: 09 Nov 2020 13:21

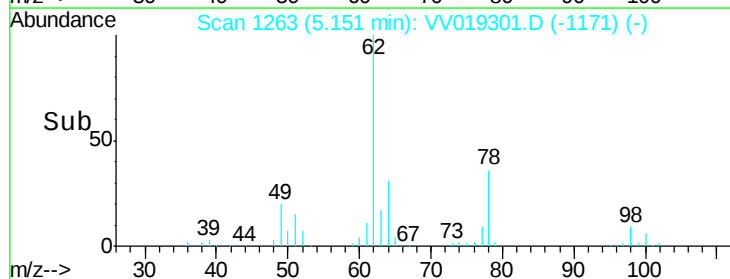
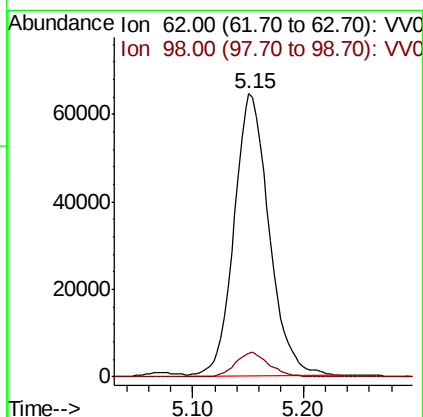
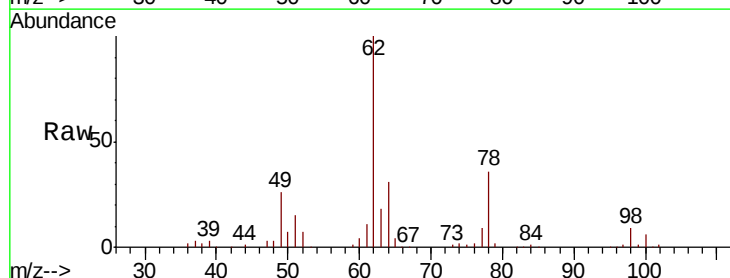
Instrument :
MSVOA_V
ClientSampleId :
BFB306

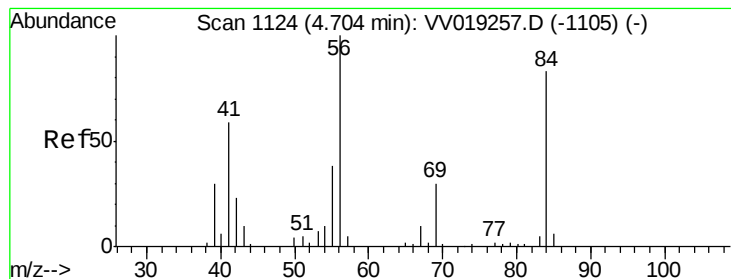
Tot Ion: 83 Resp: 169948
Ion Ratio Lower Upper
83 100
85 62.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 49.015 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV019301.D
Acq: 09 Nov 2020 13:21

Tgt Ion: 62 Resp: 141111
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2





#29

Cyclohexane

Concen: 55.859 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

BFB306

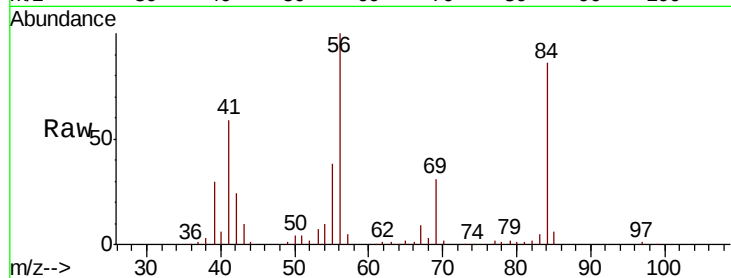
Tot Ion: 56 Resp: 129647

Ion Ratio Lower Upper

56 100

69 30.5 24.6 36.8

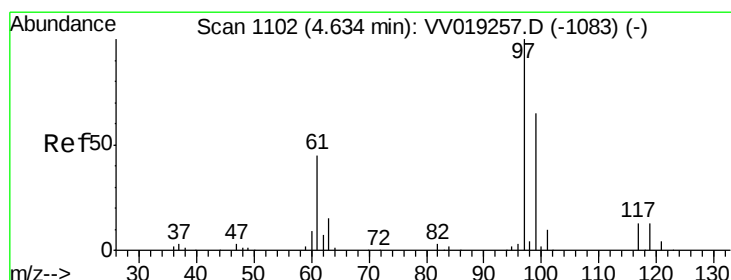
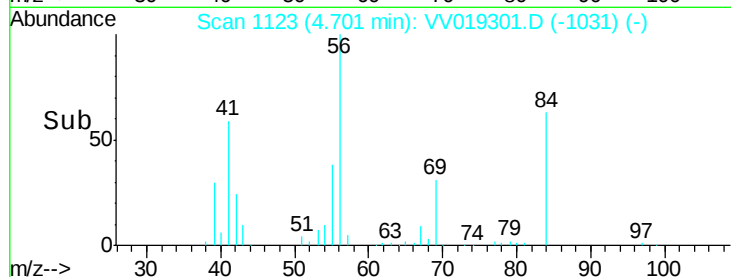
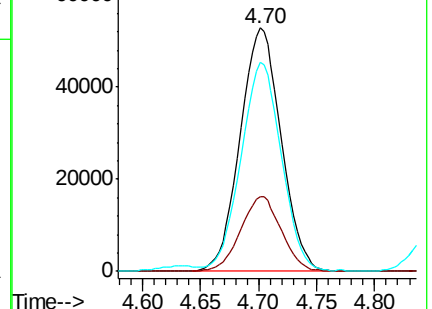
84 83.9 70.5 105.7



Abundance Ion 56.00 (55.70 to 56.70): VV019257.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV019257.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV019257.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 49.637 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

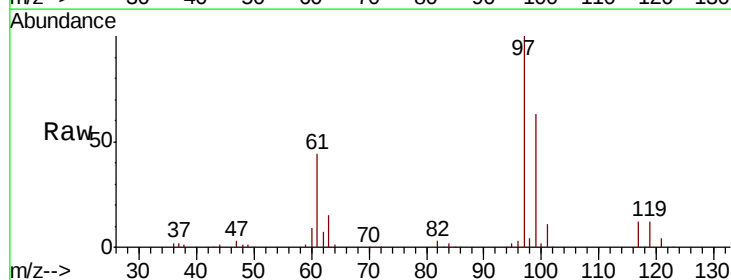
Tgt Ion: 97 Resp: 156132

Ion Ratio Lower Upper

97 100

99 63.3 52.0 78.0

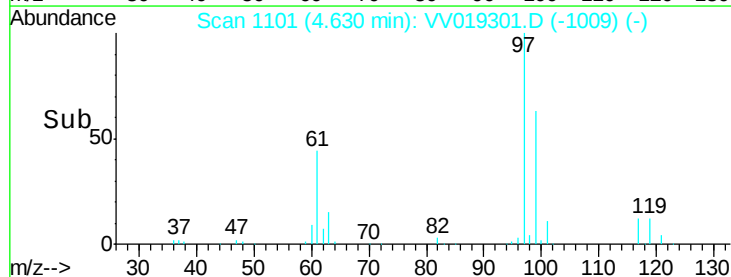
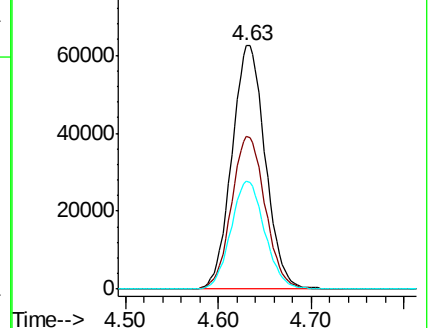
61 44.8 35.3 52.9

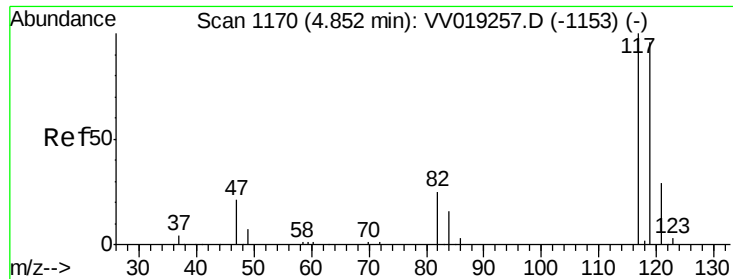


Abundance Ion 97.00 (96.70 to 97.70): VV019257.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV019257.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV019257.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 49.837 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

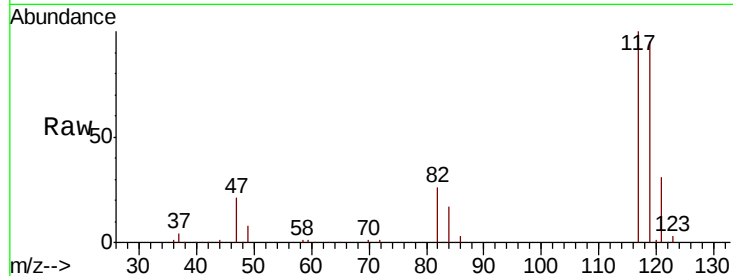
BFB306

Tot Ion:117 Resp: 135355

Ion Ratio Lower Upper

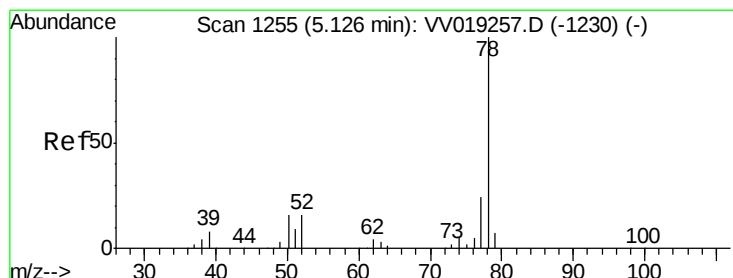
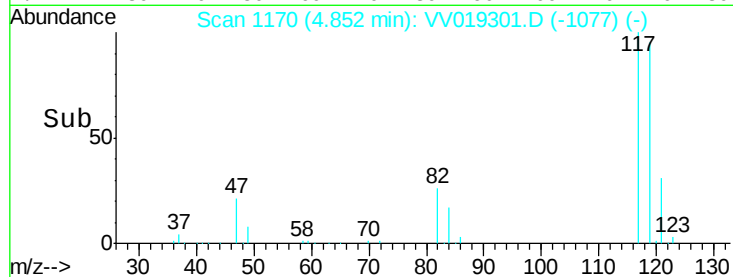
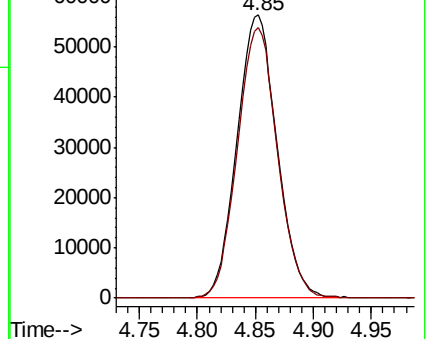
117 100

119 95.8 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.940 ug/L

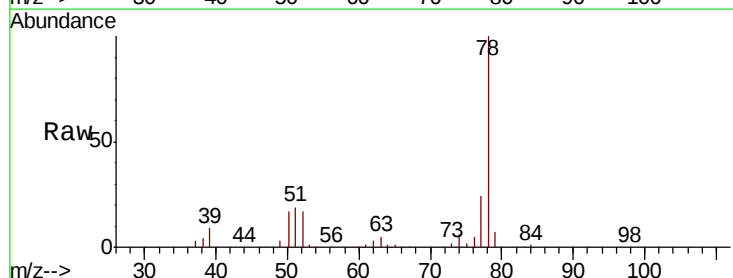
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

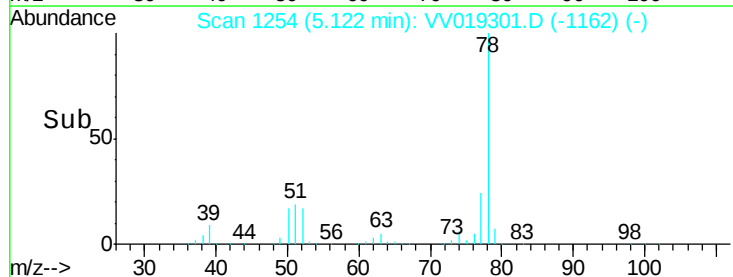
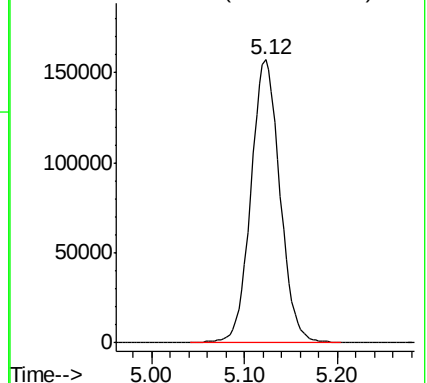
Lab File: VV019301.D

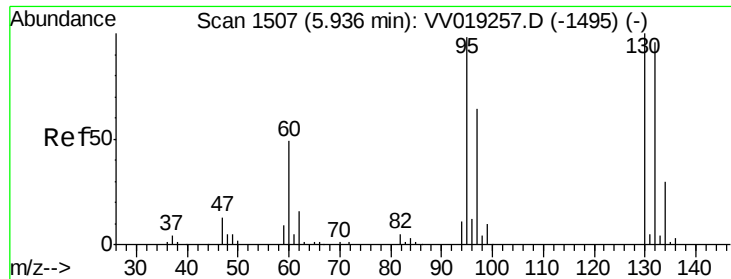
Acq: 09 Nov 2020 13:21

Tgt Ion: 78 Resp: 343346



Abundance Ion 78.00 (77.70 to 78.70): VV0

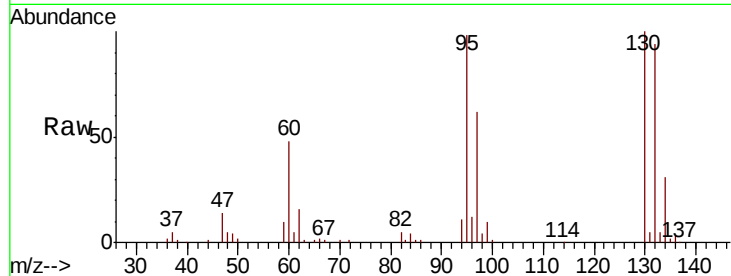




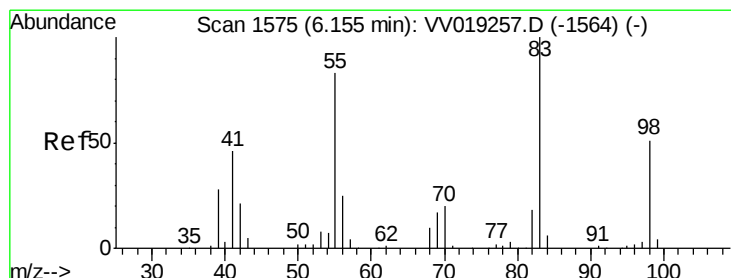
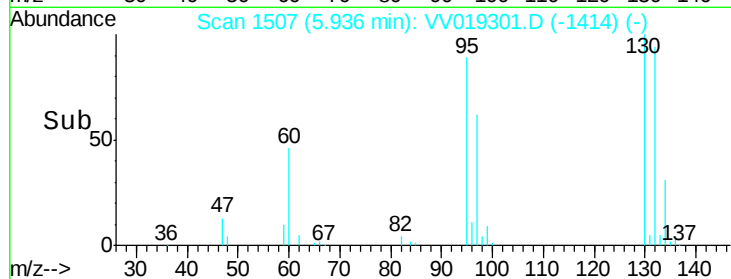
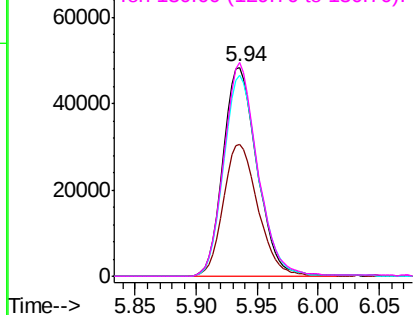
#34
 Trichloroethene
 Concen: 51.781 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB306

Tot Ion: 95 Resp: 94848
 Ion Ratio Lower Upper
 95 100
 97 63.2 45.4 84.4
 132 96.5 68.5 127.3
 130 102.3 72.0 133.6

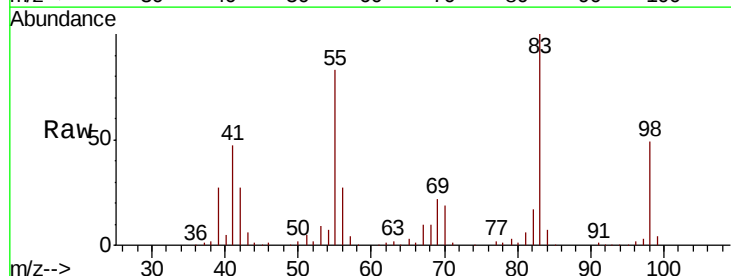


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

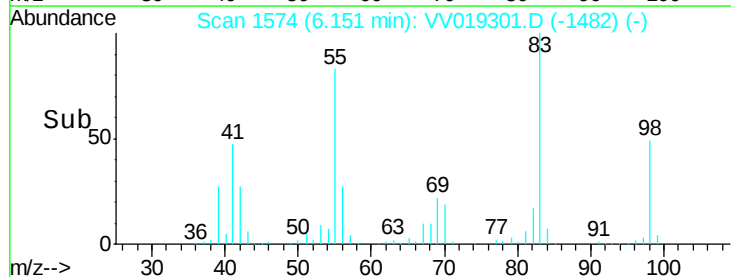
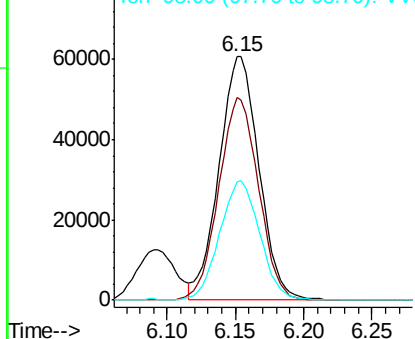


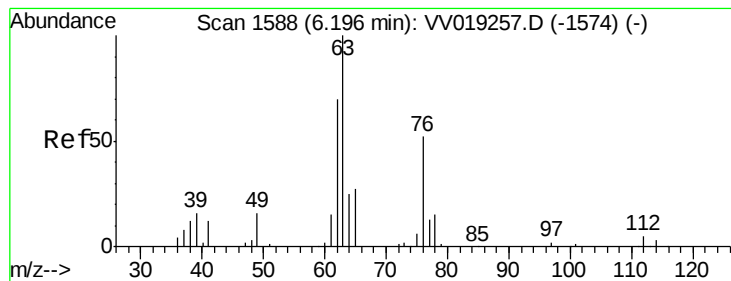
#35
 Methylcyclohexane
 Concen: 55.339 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

Tgt Ion: 83 Resp: 122689
 Ion Ratio Lower Upper
 83 100
 55 83.1 62.8 94.2
 98 49.5 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 51.750 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

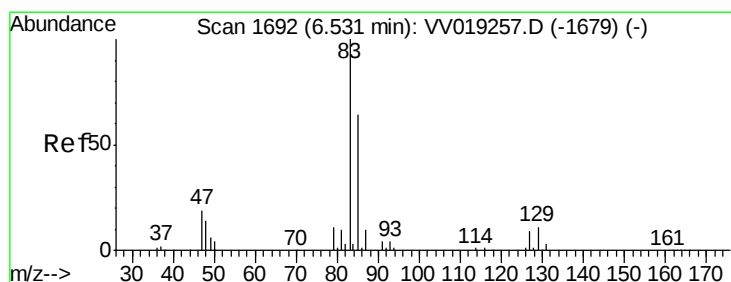
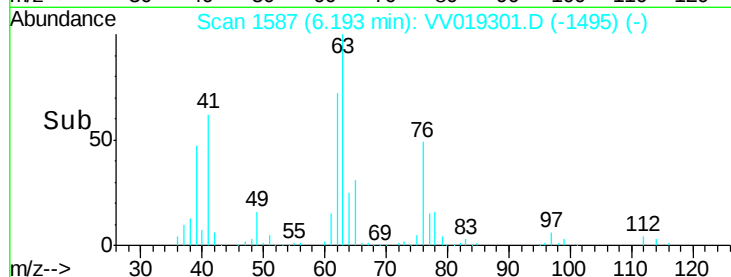
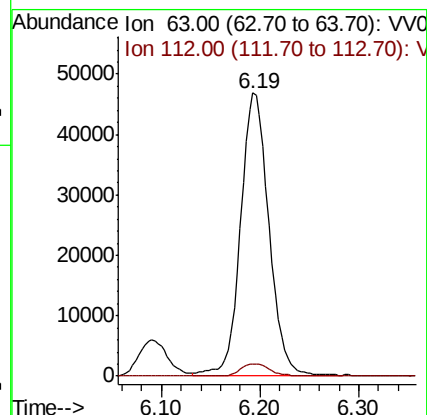
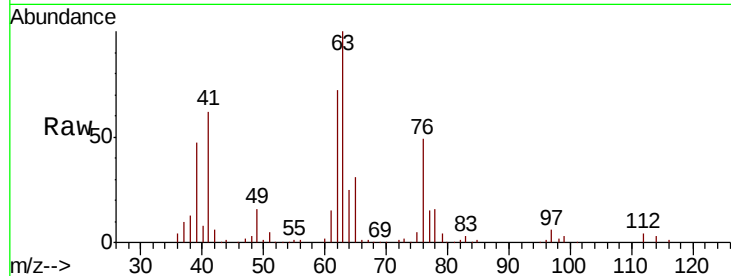
BFB306

Tot Ion: 63 Resp: 93090

Ion Ratio Lower Upper

63 100

112 4.5 4.2 6.2



#38

Bromodichloromethane

Concen: 49.860 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

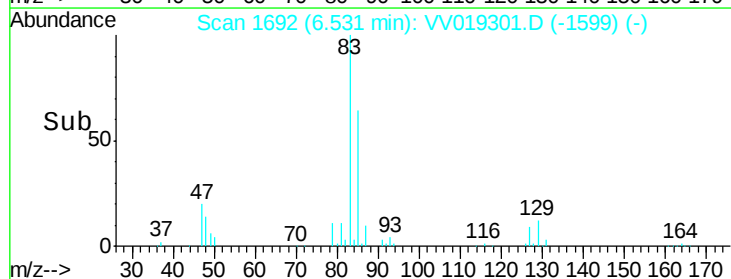
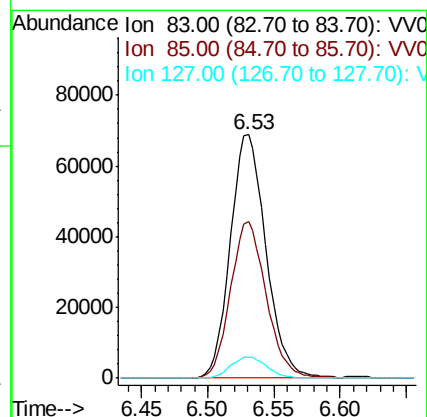
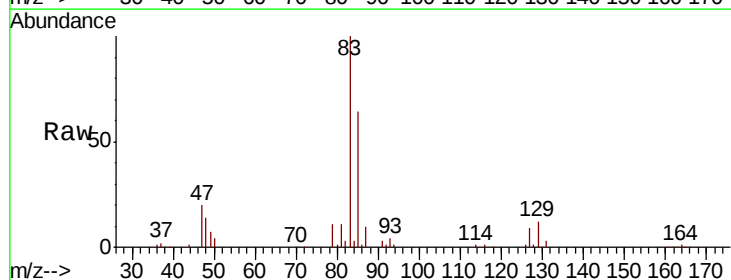
Tgt Ion: 83 Resp: 129077

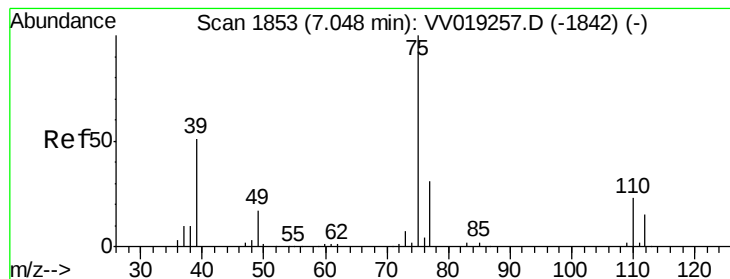
Ion Ratio Lower Upper

83 100

85 64.3 44.0 81.8

127 8.6 7.3 10.9



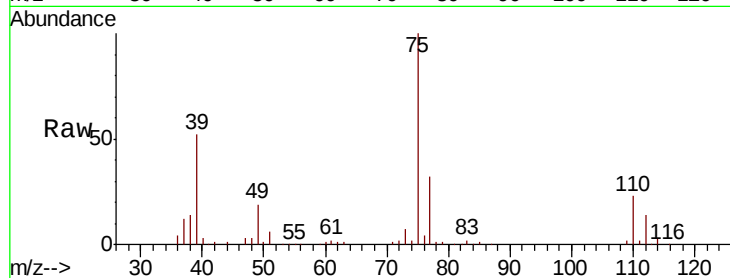


#39

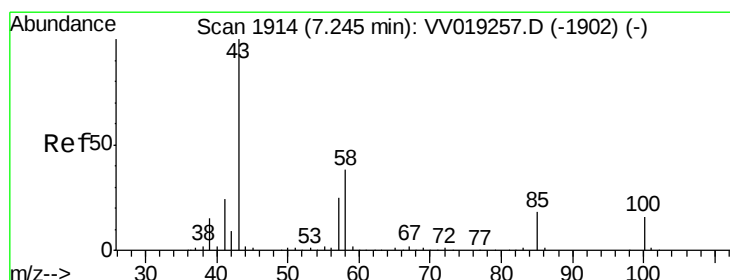
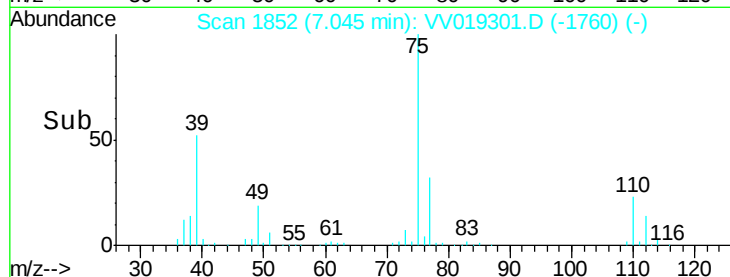
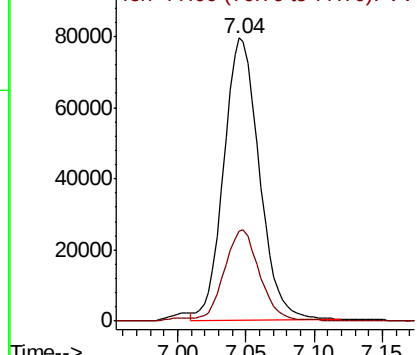
cis-1,3-Dichloropropene
Concen: 49.942 ug/L
RT: 7.04 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV019301.D
Acq: 09 Nov 2020 13:21

Instrument :
MSVOA_V
ClientSampleId :
BFB306

Tot Ion: 75 Resp: 143748
Ion Ratio Lower Upper
75 100
77 31.7 22.2 41.2



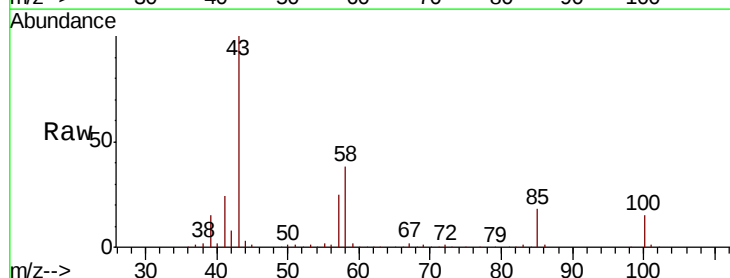
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



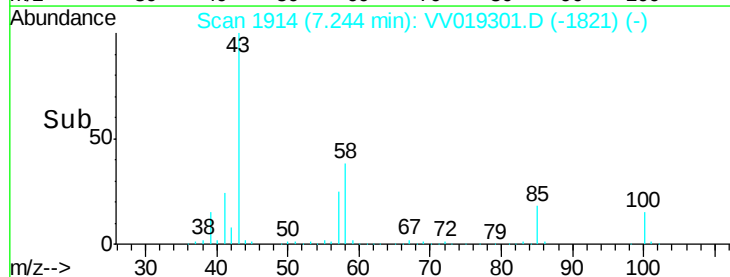
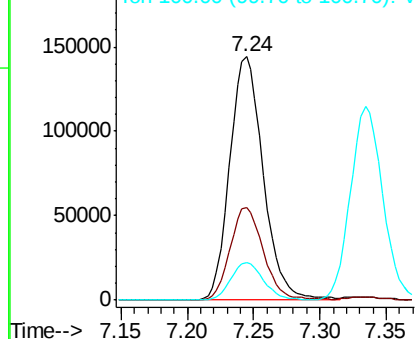
#40

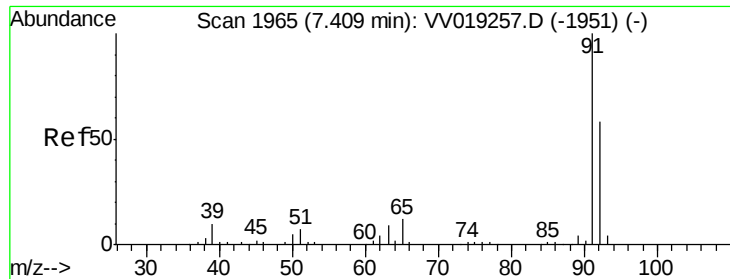
4-Methyl-2-pentanone
Concen: 104.926 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV019301.D
Acq: 09 Nov 2020 13:21

Tgt Ion: 43 Resp: 253559
Ion Ratio Lower Upper
43 100
58 37.8 30.5 45.7
100 15.2 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 51.769 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

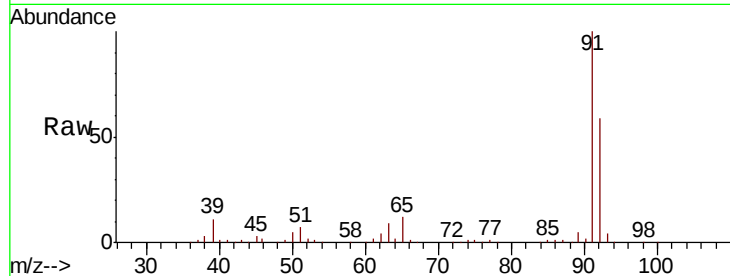
BFB306

Tot Ion: 91 Resp: 377162

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV019257.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV019257.D (-1951) (-)

7.41

250000

200000

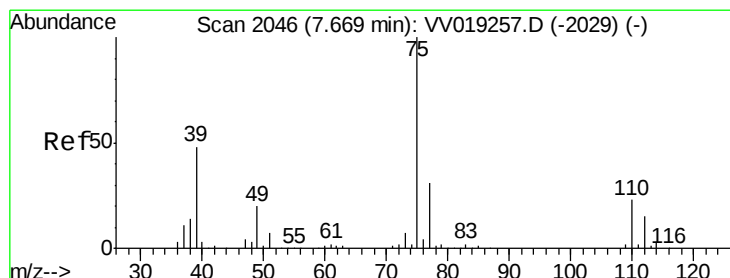
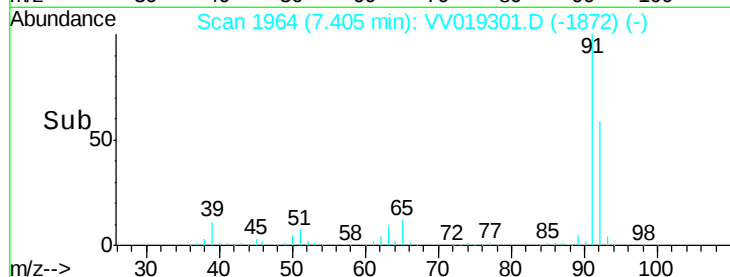
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.241 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019301.D

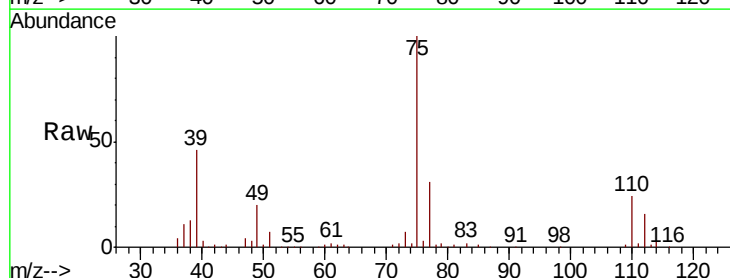
Acq: 09 Nov 2020 13:21

Tgt Ion: 75 Resp: 151134

Ion Ratio Lower Upper

75 100

77 30.7 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV019257.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV019257.D (-2029) (-)

7.67

100000

80000

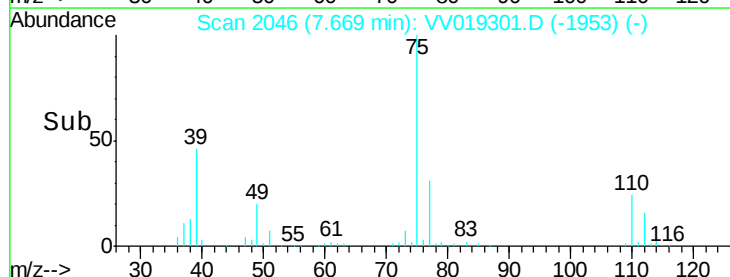
60000

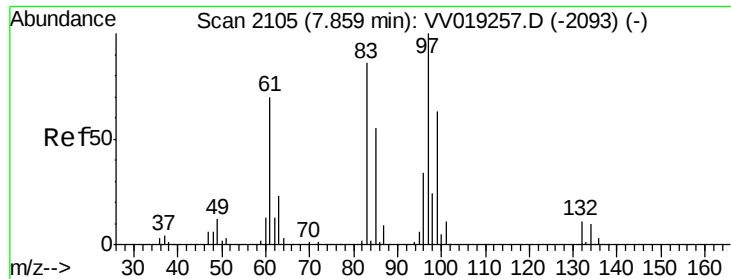
40000

20000

0

Time-->

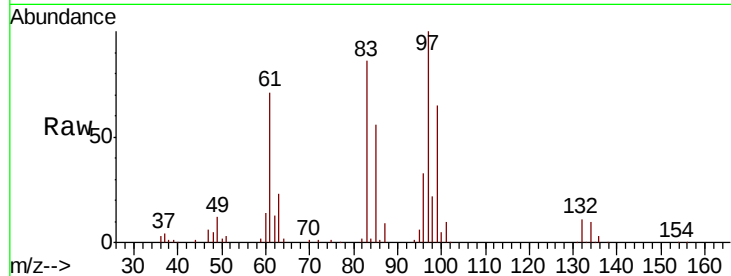




#45
 1,1,2-Trichloroethane
 Concen: 49.721 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB306

Tot Ion:	97	Resp:	88402
Ion	Ratio	Lower	Upper
97	100		
99	65.1	45.1	83.9
83	85.8	57.6	107.0
85	56.2	37.8	70.2



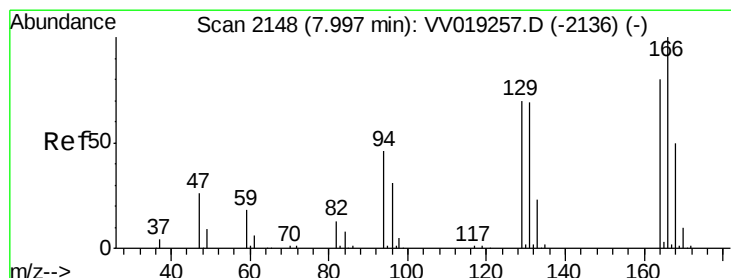
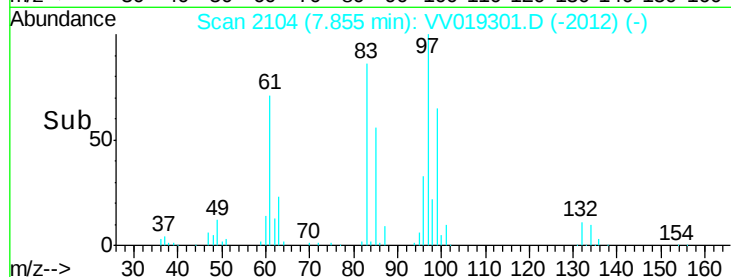
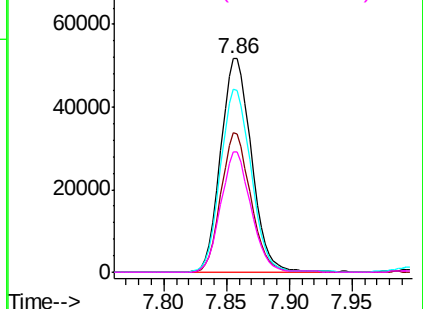
Abundance

Ion 97.00 (96.70 to 97.70): VV019257.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV019257.D (-2093) (-)

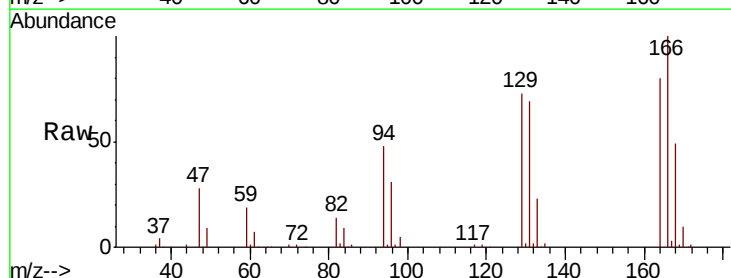
Ion 83.00 (82.70 to 83.70): VV019257.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV019257.D (-2093) (-)



#46
 Tetrachloroethene
 Concen: 50.633 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

Tgt Ion:	164	Resp:	75675
Ion	Ratio	Lower	Upper
164	100		
129	91.2	62.6	116.3
131	86.3	59.0	109.6
166	124.3	88.0	163.4



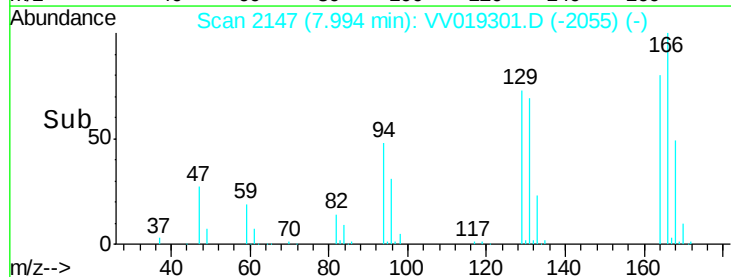
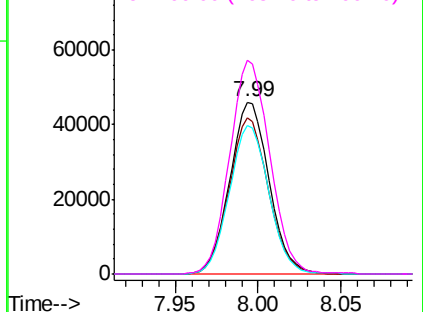
Abundance

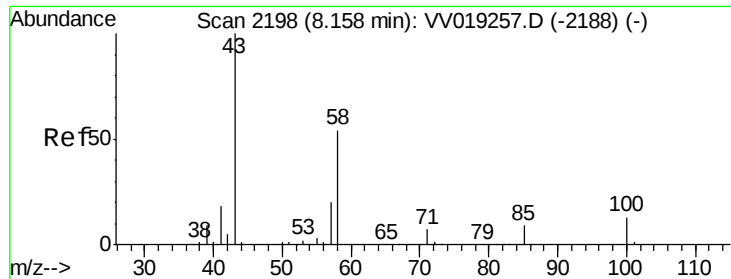
Ion 164.00 (163.70 to 164.70): VV019257.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV019257.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV019257.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV019257.D (-2136) (-)

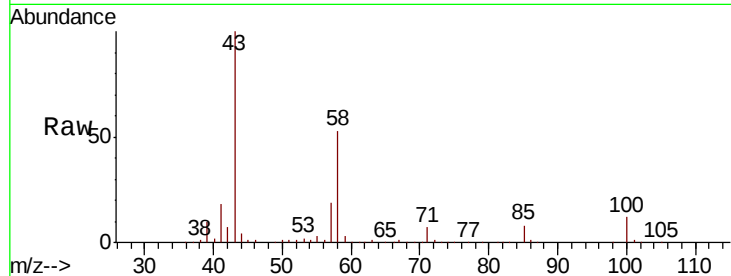




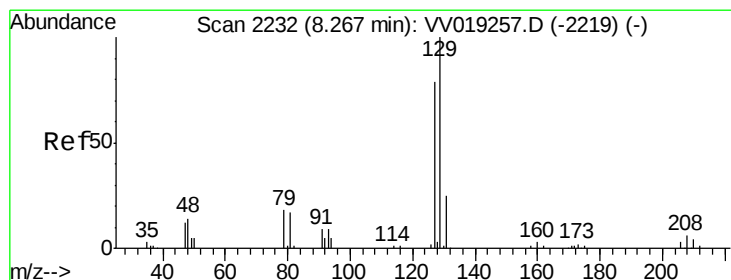
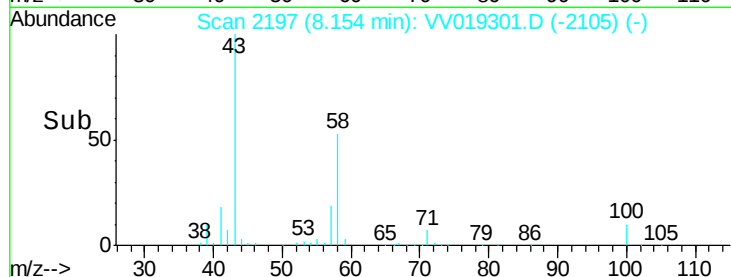
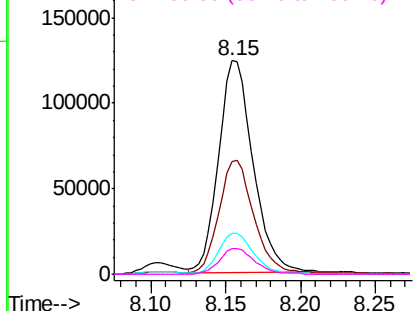
#48
2-Hexanone
Concen: 110.295 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV019301.D
Acq: 09 Nov 2020 13:21

Instrument :
MSVOA_V
ClientSampleId :
BFB306

Tot Ion: 43 Resp: 201507
Ion Ratio Lower Upper
43 100
58 54.1 42.6 63.8
57 19.4 15.8 23.8
100 12.4 10.4 15.6

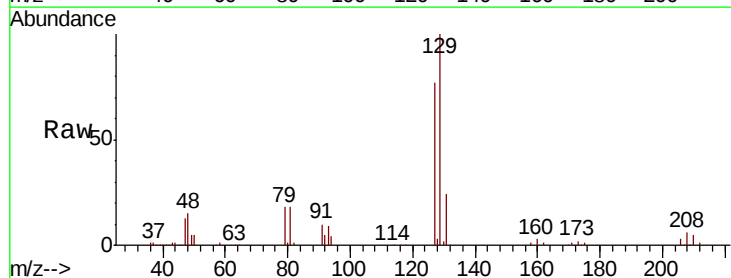


Abundance Ion 43.00 (42.70 to 43.70): VV019301.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV019301.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV019301.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV019301.D (-2105) (-)

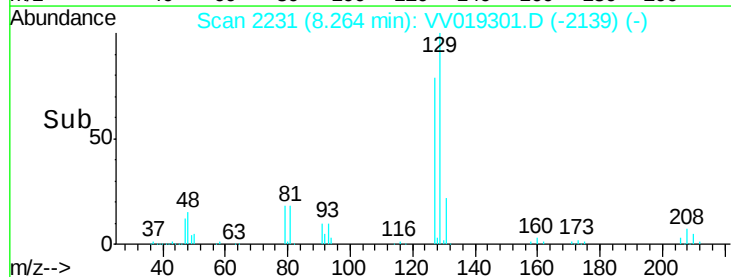
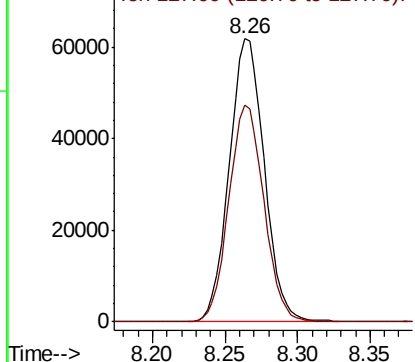


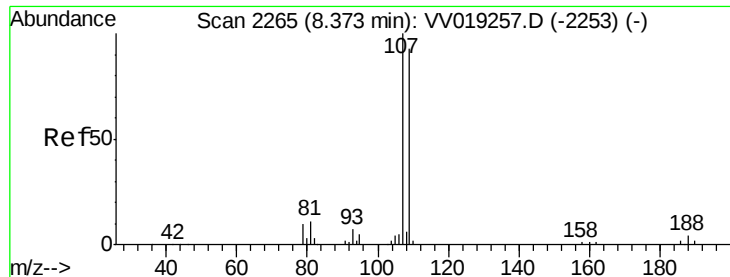
#49
Dibromochloromethane
Concen: 49.024 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV019301.D
Acq: 09 Nov 2020 13:21

Tgt Ion: 129 Resp: 103949
Ion Ratio Lower Upper
129 100
127 76.7 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): VV019301.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV019301.D (-2139) (-)

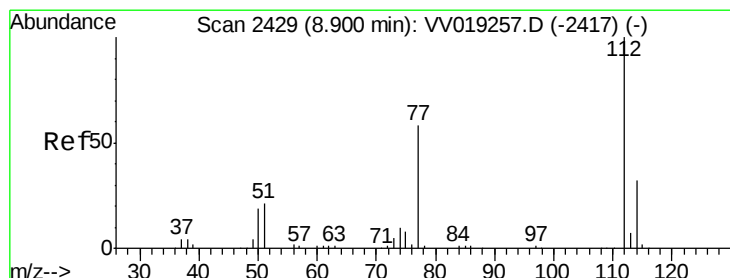
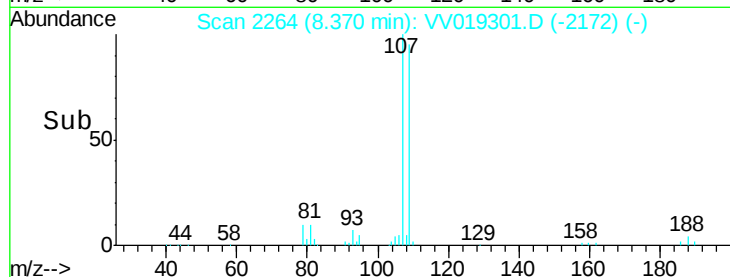
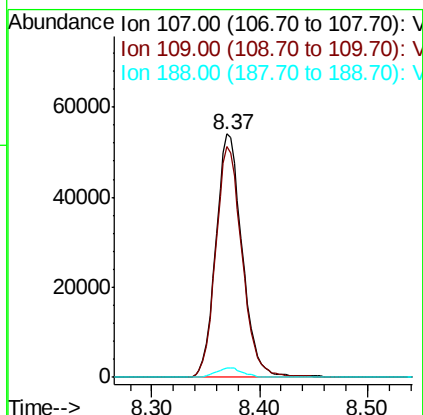
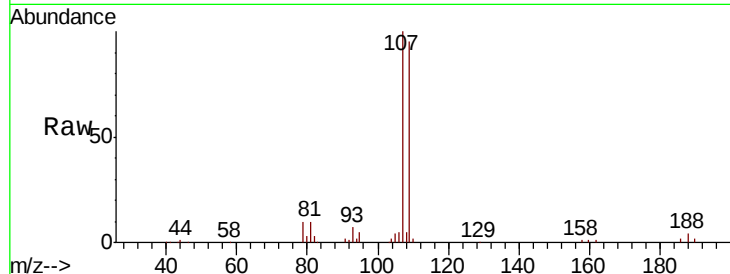




#50
 1,2-Dibromoethane
 Concen: 49.710 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

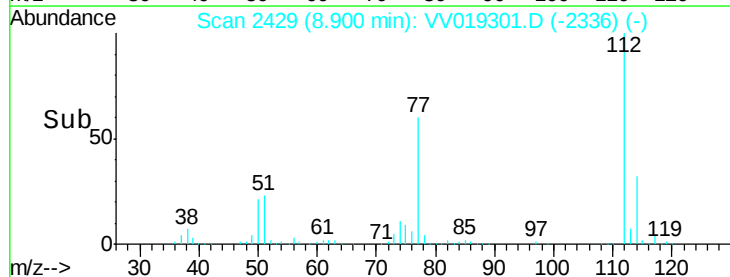
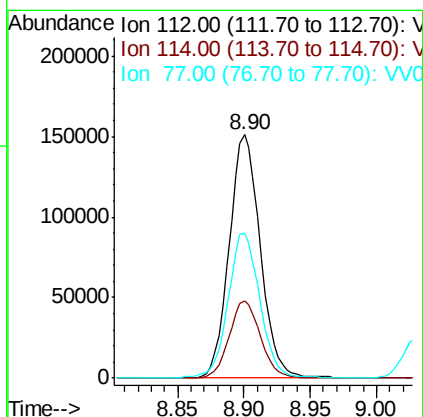
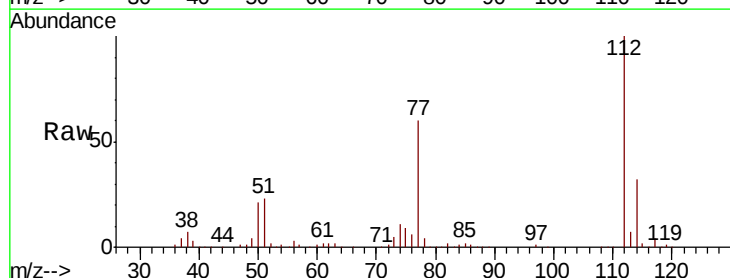
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB306

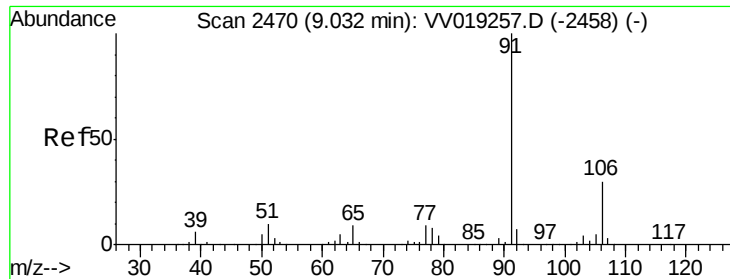
Tot Ion:107 Resp: 91610
 Ion Ratio Lower Upper
 107 100
 109 94.7 64.8 120.4
 188 4.0 3.8 5.8



#51
 Chlorobenzene
 Concen: 50.511 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

Tgt Ion:112 Resp: 246157
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.7 42.1
 77 59.7 47.3 70.9





#52

Ethylbenzene

Concen: 52.711 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

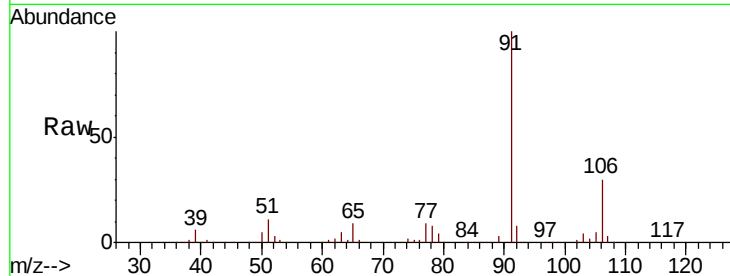
BFB306

Tot Ion: 91 Resp: 423695

Ion Ratio Lower Upper

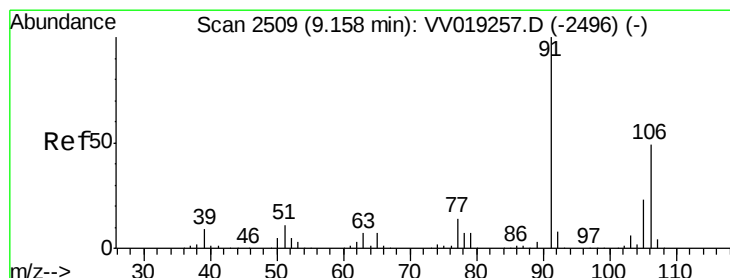
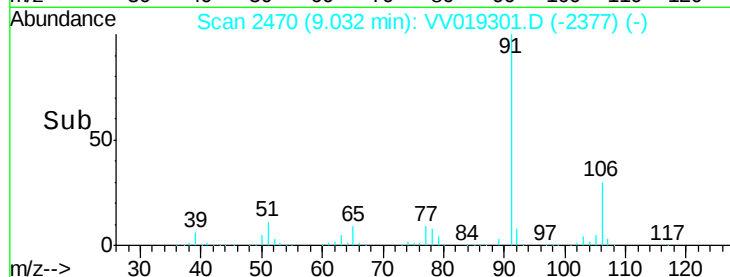
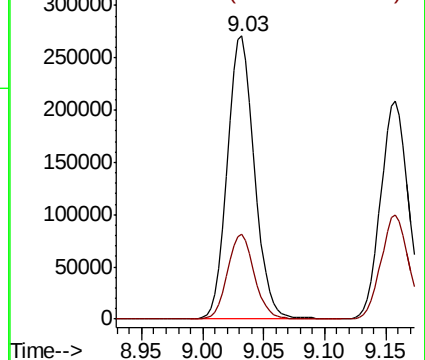
91 100

106 29.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 52.135 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019301.D

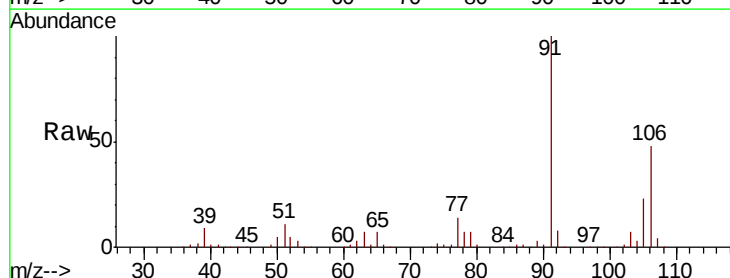
Acq: 09 Nov 2020 13:21

Tgt Ion: 106 Resp: 156890

Ion Ratio Lower Upper

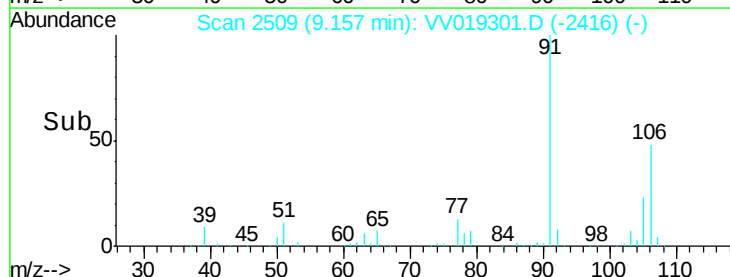
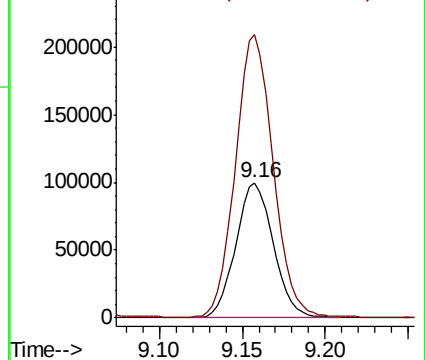
106 100

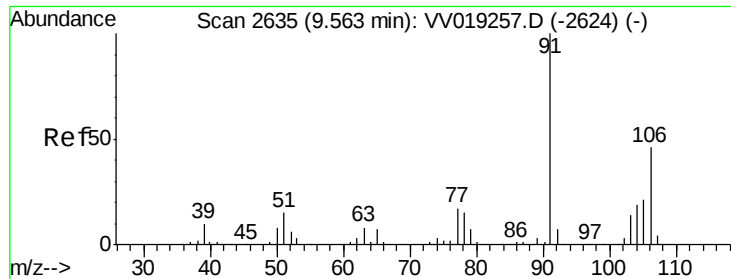
91 208.8 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

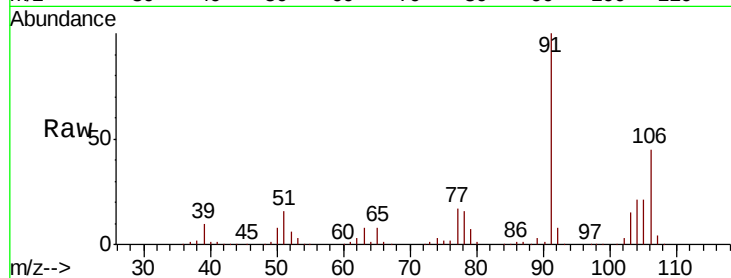




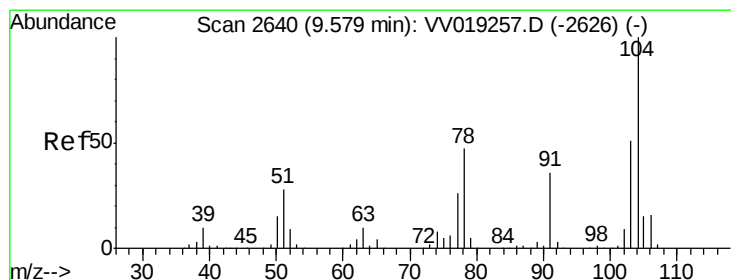
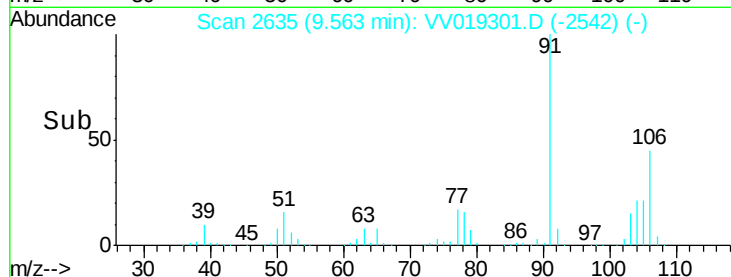
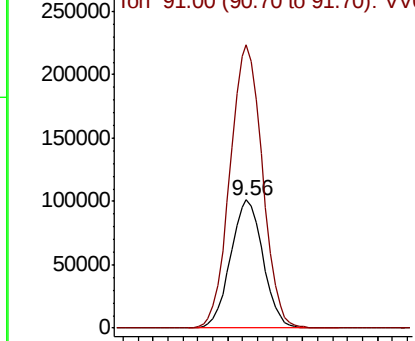
#54
o-Xylene
Concen: 51.445 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019301.D
Acq: 09 Nov 2020 13:21

Instrument :
MSVOA_V
ClientSampled :
BFB306

Tot Ion:106 Resp: 152599
Ion Ratio Lower Upper
106 100
91 221.2 151.6 281.6

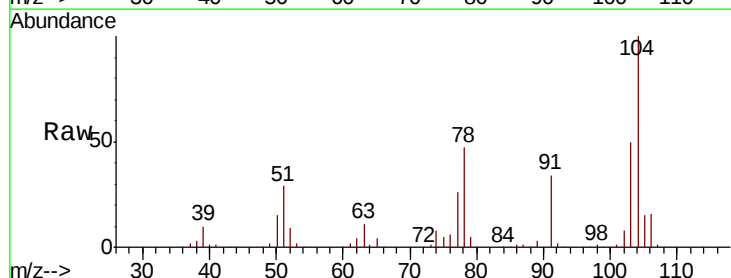


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

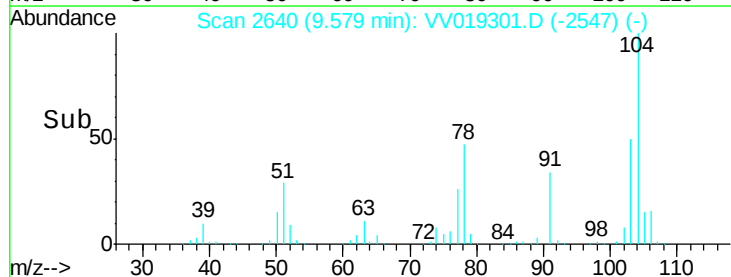
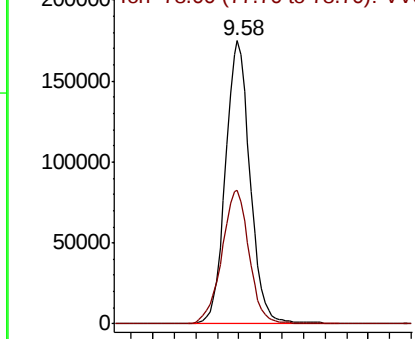


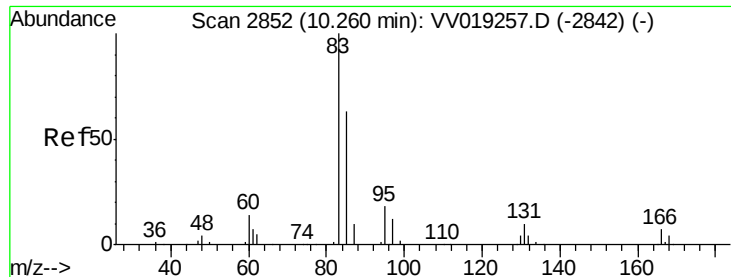
#55
Styrene
Concen: 52.668 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV019301.D
Acq: 09 Nov 2020 13:21

Tgt Ion:104 Resp: 278088
Ion Ratio Lower Upper
104 100
78 47.1 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

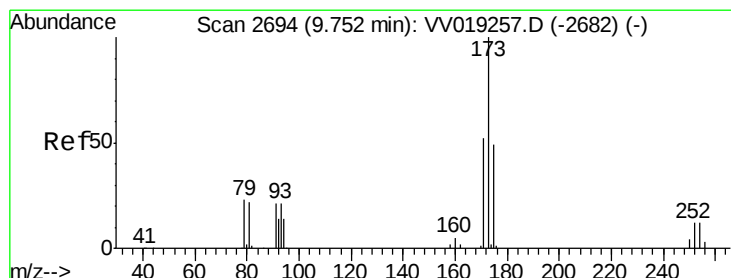
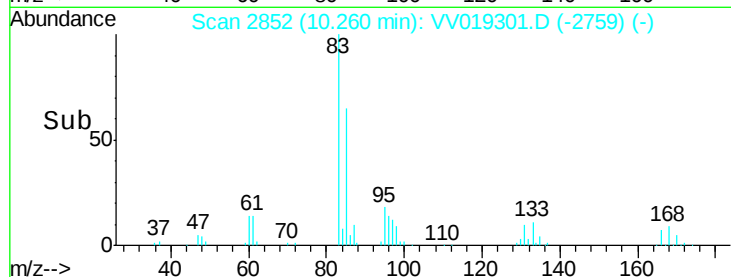
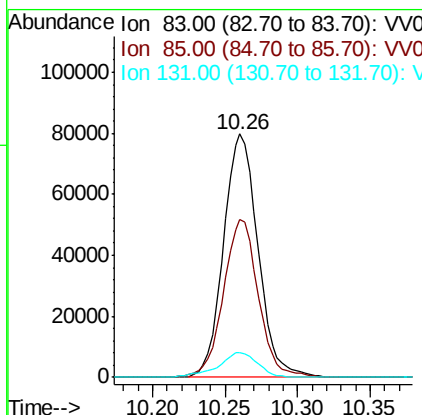
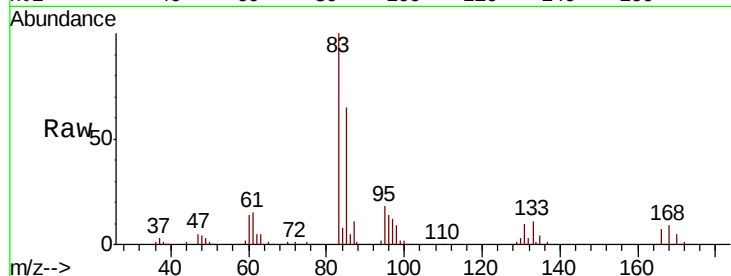




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.900 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

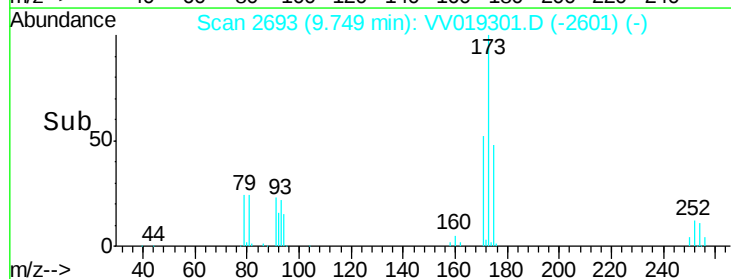
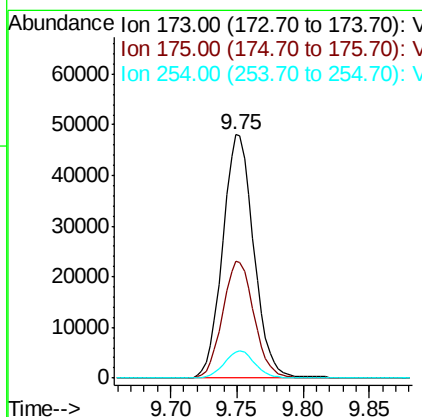
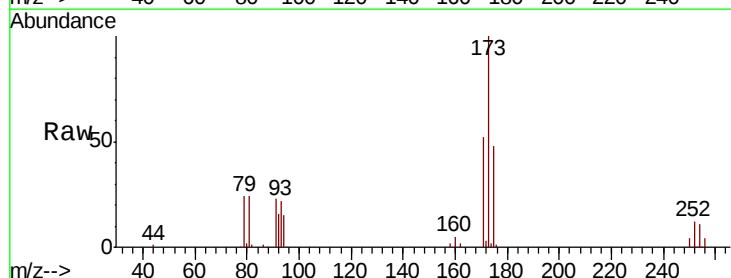
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB306

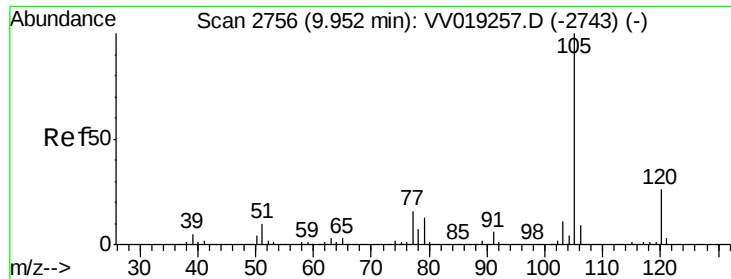
Tot Ion: 83 Resp: 131533
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.0 83.6
 131 10.3 8.9 13.3



#59
 Bromoform
 Concen: 47.177 ug/L
 RT: 9.75 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

Tgt Ion: 173 Resp: 78500
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.4 57.6
 254 11.0 9.0 13.6





#60

Isopropylbenzene

Concen: 53.132 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampled :

BFB306

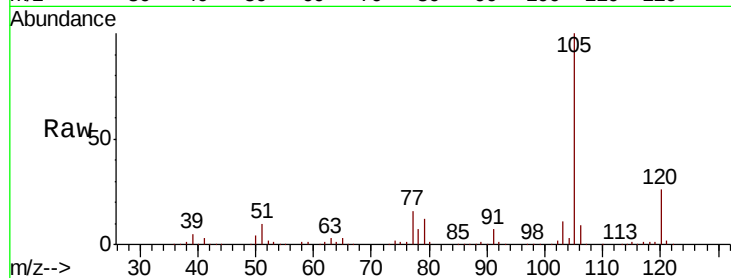
Tot Ion:105 Resp: 417497

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

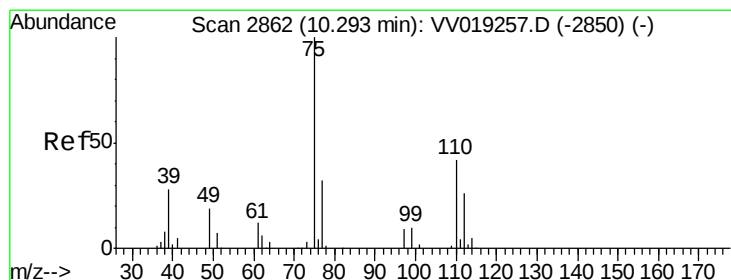
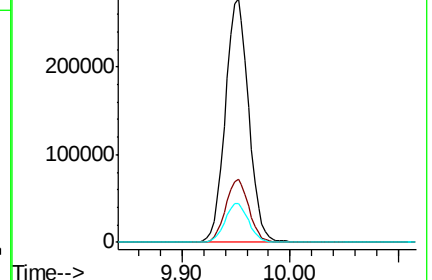
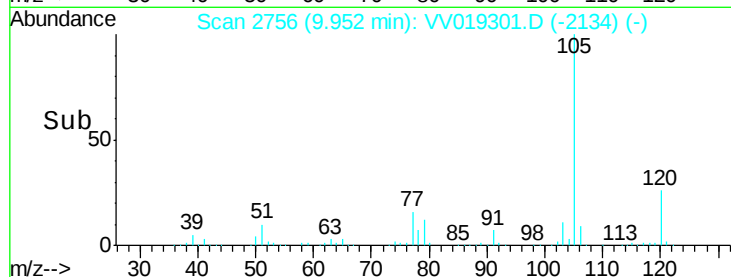
77 16.1 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 48.520 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

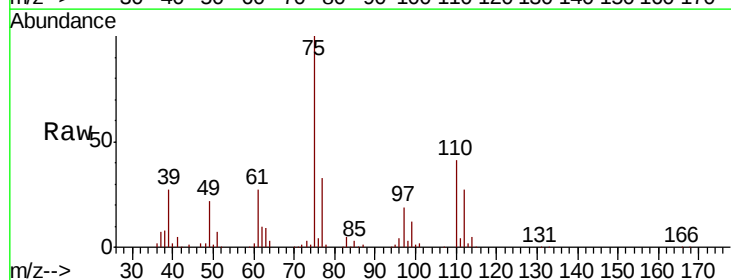
Tgt Ion: 75 Resp: 113014

Ion Ratio Lower Upper

75 100

77 32.8 24.8 37.2

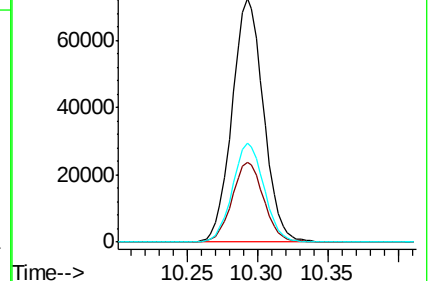
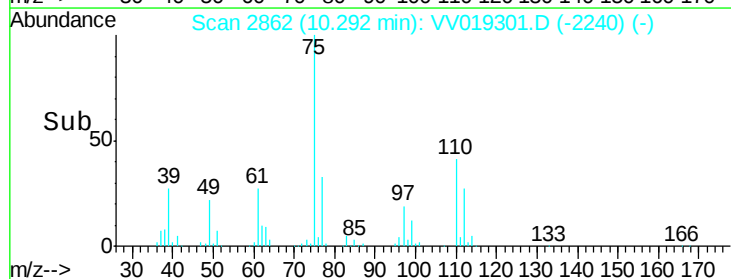
110 40.6 33.4 50.2

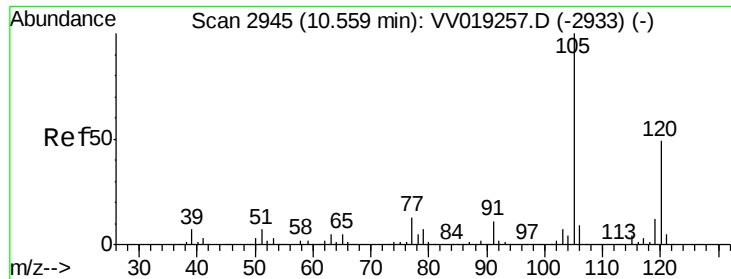


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

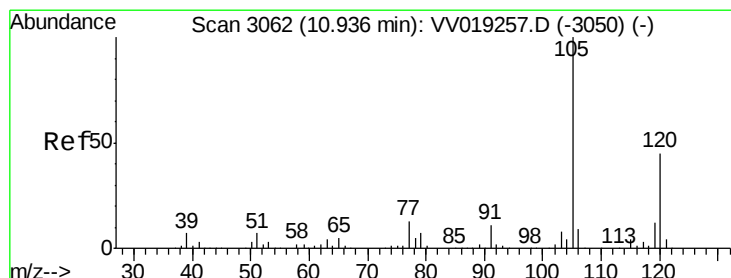
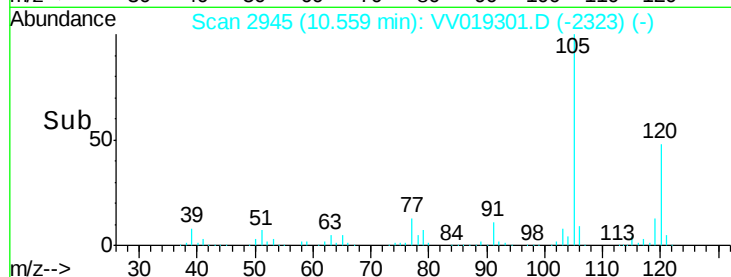
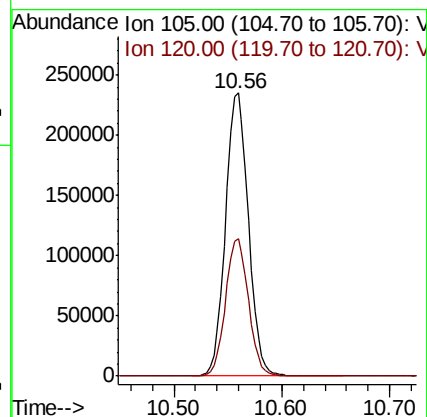
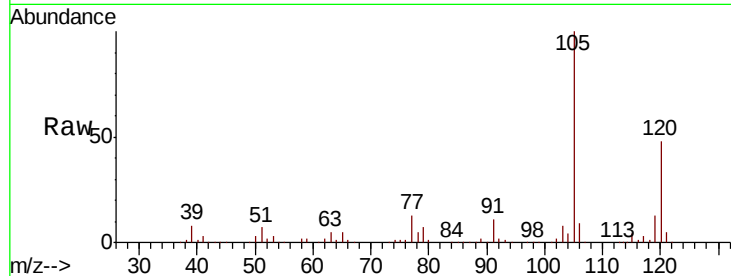




#62
 1,3,5-Trimethylbenzene
 Concen: 53.009 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

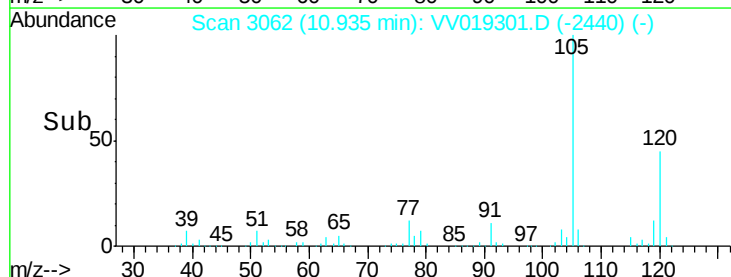
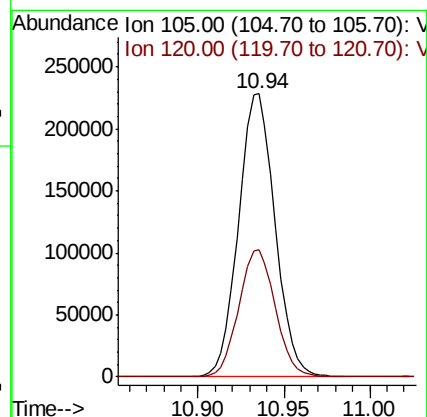
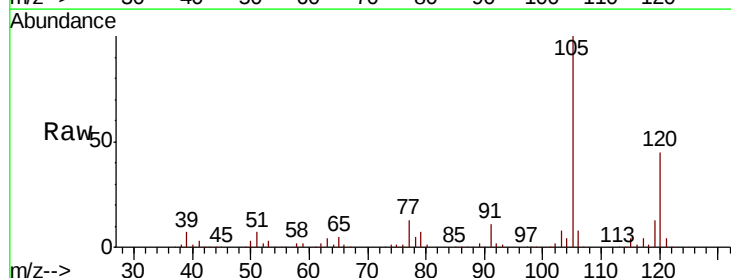
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB306

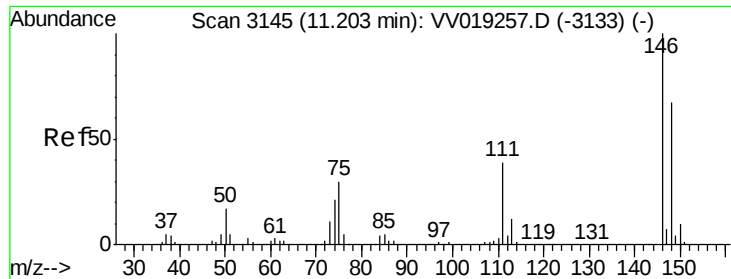
Tot Ion:105 Resp: 346919
 Ion Ratio Lower Upper
 105 100
 120 48.6 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 52.579 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

Tgt Ion:105 Resp: 336705
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.7 53.5





#64

1,3-Dichlorobenzene

Concen: 50.389 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

Instrument :

MSVOA_V

ClientSampleId :

BFB306

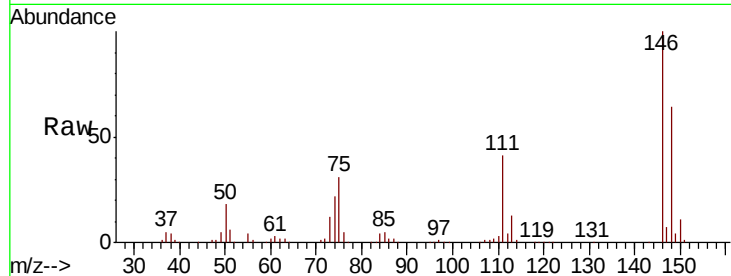
Tot Ion:146 Resp: 207108

Ion Ratio Lower Upper

146 100

111 40.6 27.3 50.7

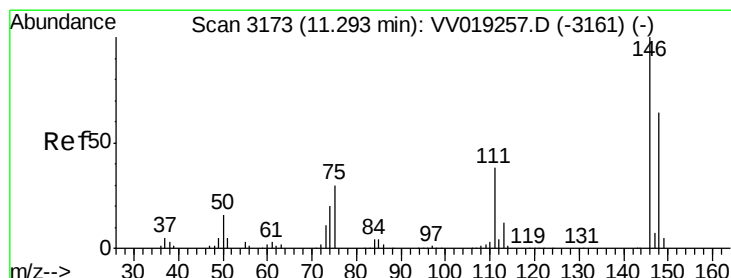
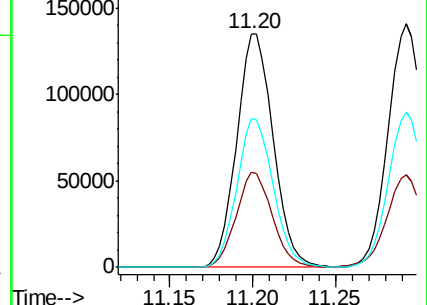
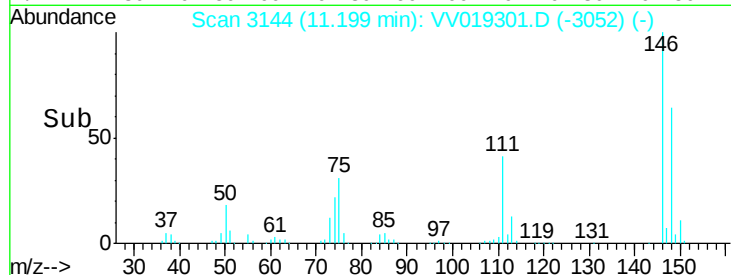
148 63.9 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 50.361 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019301.D

Acq: 09 Nov 2020 13:21

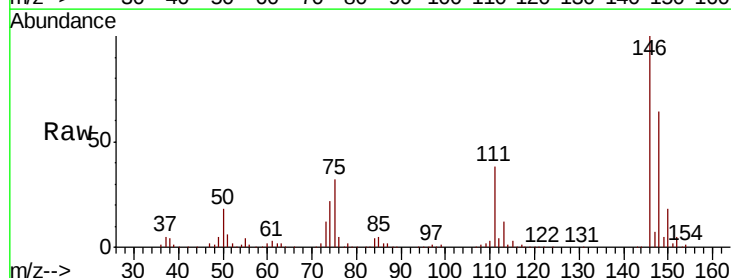
Tgt Ion:146 Resp: 214148

Ion Ratio Lower Upper

146 100

111 38.0 25.9 48.1

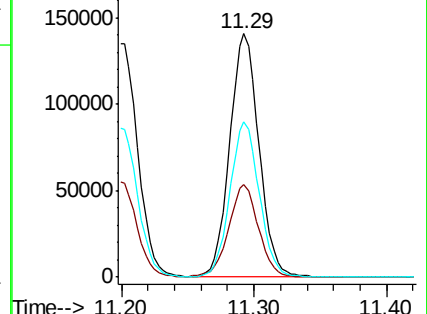
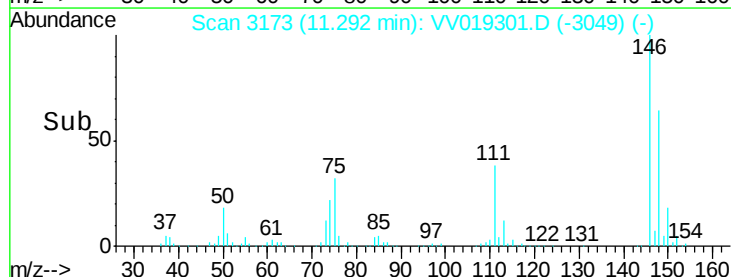
148 63.6 44.9 83.5

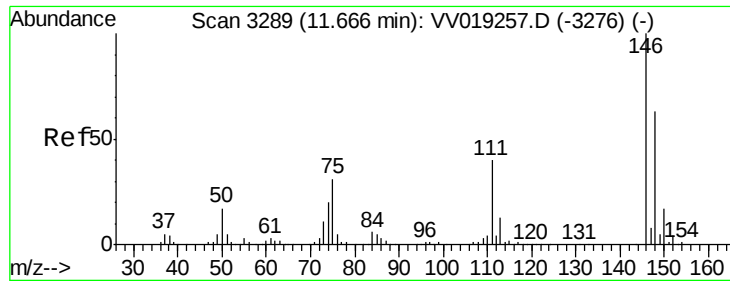


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

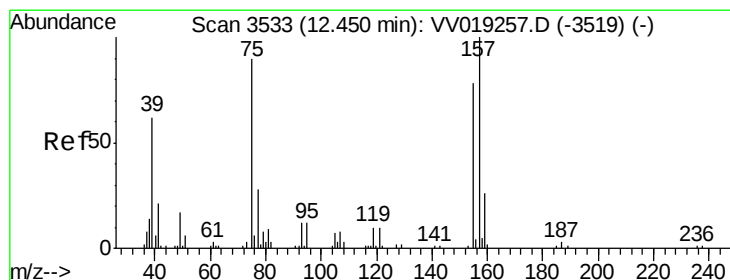
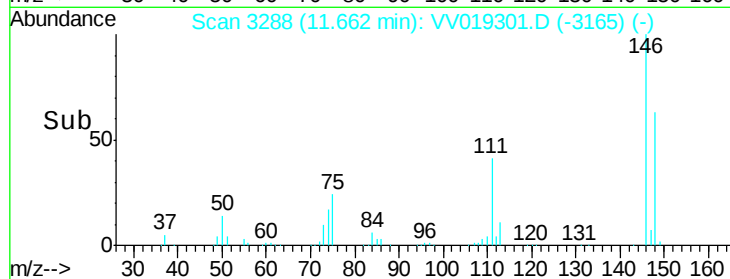
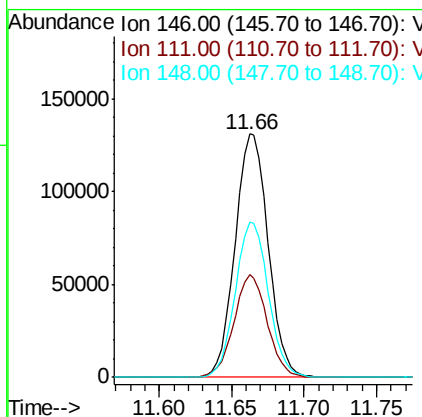
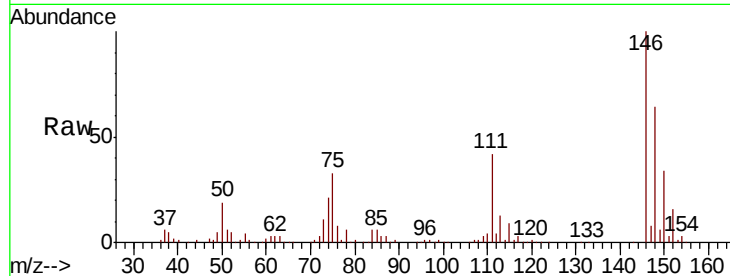




#67
 1,2-Dichlorobenzene
 Concen: 49.393 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

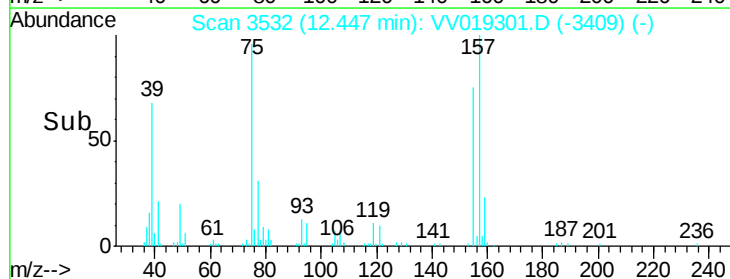
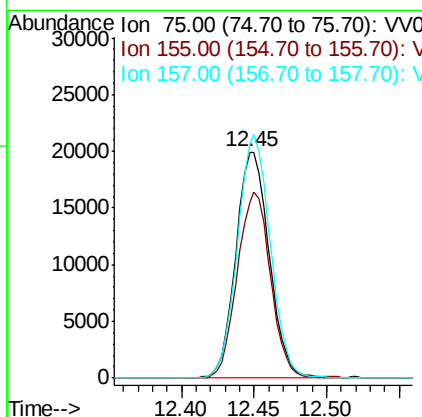
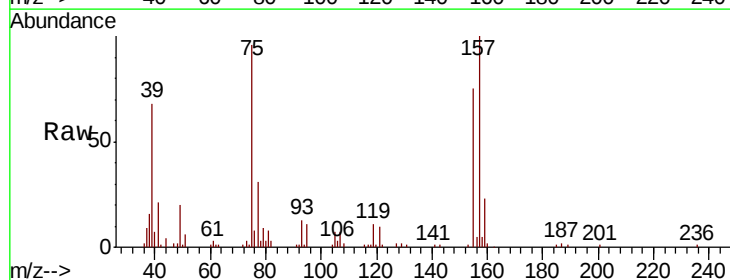
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB306

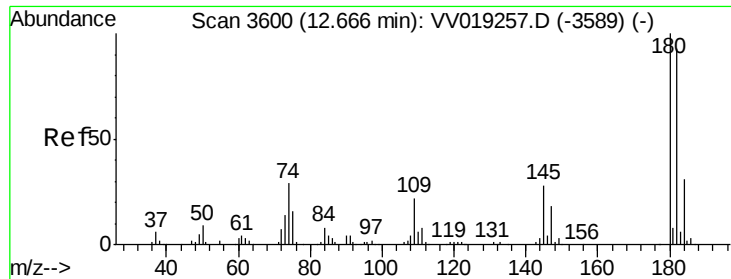
Tot Ion:146 Resp: 207691
 Ion Ratio Lower Upper
 146 100
 111 42.1 32.6 48.8
 148 63.5 50.1 75.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 46.972 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

Tgt Ion: 75 Resp: 31918
 Ion Ratio Lower Upper
 75 100
 155 78.1 65.8 98.6
 157 104.1 86.3 129.5

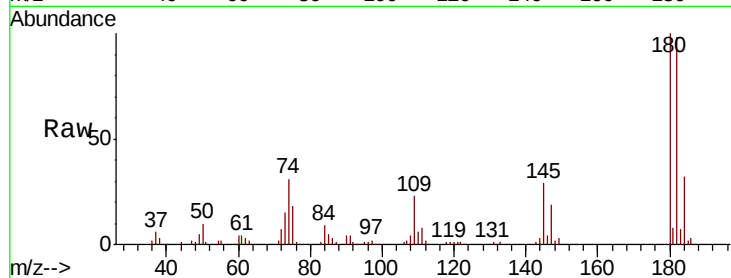




#69
 1,3,5-Trichlorobenzene
 Concen: 50.399 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

Instrument :
 MSVOA_V
 ClientSampled :
 BFB306

Tot Ion	180	Resp	148679
Ion Ratio	Lower	Upper	
180	100		
182	96.0	77.7	116.5
184	31.7	24.9	37.3
145	28.7	23.4	35.0

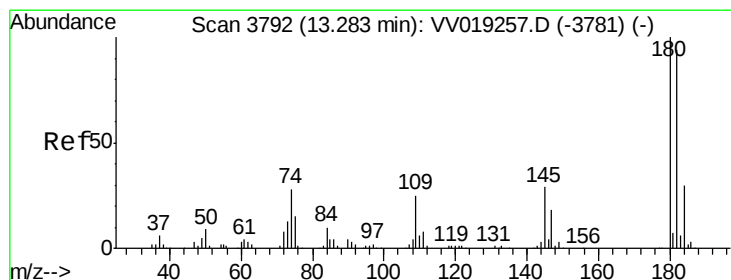
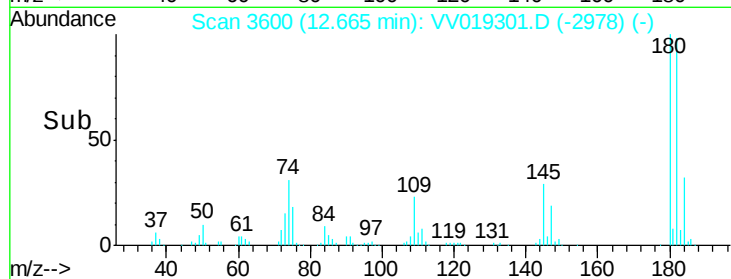
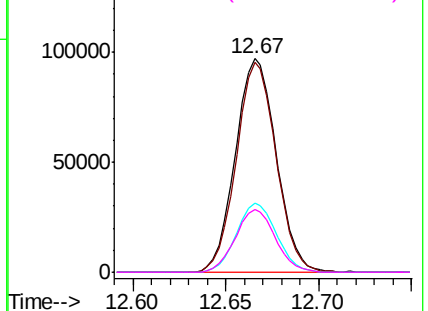


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

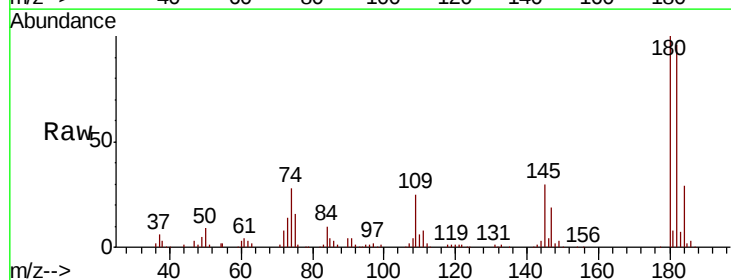
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 49.658 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019301.D
 Acq: 09 Nov 2020 13:21

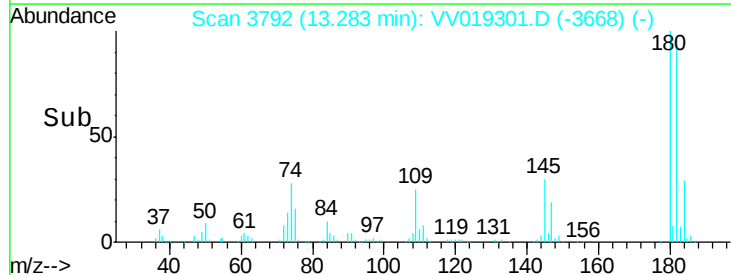
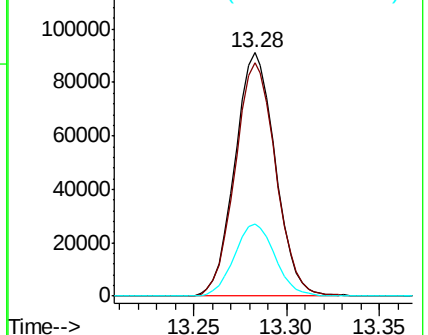
Tgt Ion	180	Resp	137840
Ion Ratio	Lower	Upper	
180	100		
182	96.4	76.6	114.8
145	30.0	23.2	34.8

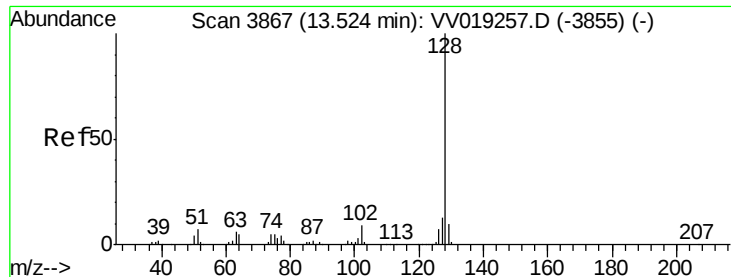


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

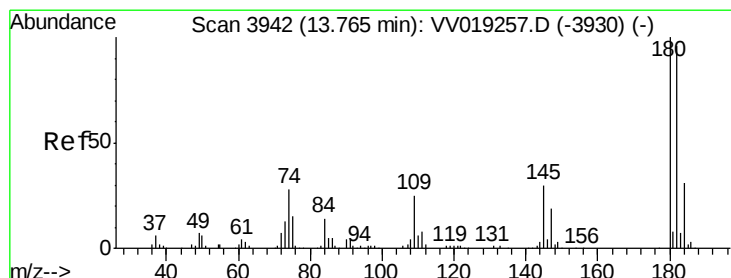
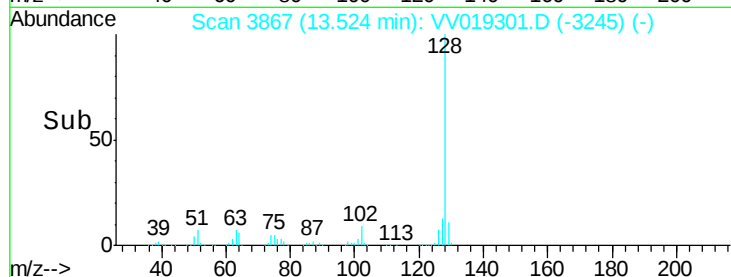
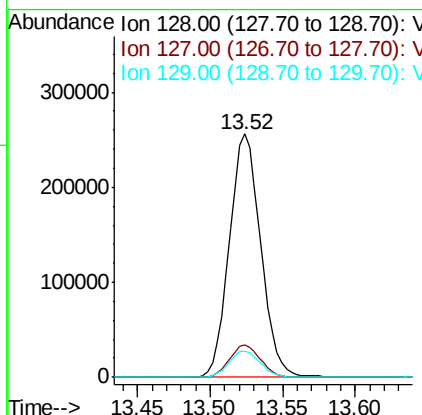
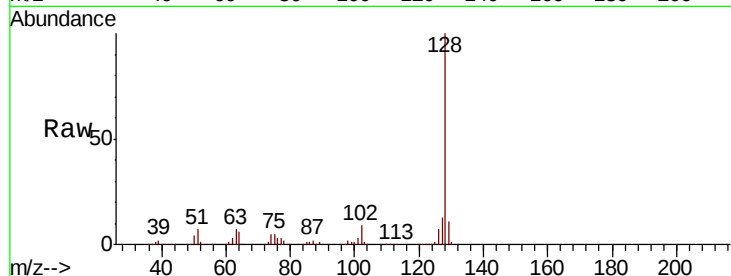




#71
Naphthalene
Concen: 49.125 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV019301.D
Acq: 09 Nov 2020 13:21

Instrument :
MSVOA_V
ClientSampleId :
BFB306

Tot Ion:128 Resp: 384580
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 50.087 ug/L
RT: 13.76 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VV019301.D
Acq: 09 Nov 2020 13:21

Tgt Ion:180 Resp: 137823
Ion Ratio Lower Upper
180 100
182 96.3 77.4 116.0
145 31.3 24.7 37.1

