

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122820\
 Data File : VV019848.D
 Acq On : 28 Dec 2020 14:03
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB74

Quant Time: Dec 29 03:04:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 29 03:03:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	614566	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	590786	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	298454	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	246904	51.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.84%
7) Chloroethane-d5	1.57	69	196866	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.16%
11) 1,1-Dichloroethene-d2	2.11	63	461793	51.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.74%
21) 2-Butanone-d5	3.89	46	362895	102.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.95%
24) Chloroform-d	4.35	84	457856	50.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.92%
26) 1,2-Dichloroethane-d4	5.04	65	307454	52.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.70%
32) Benzene-d6	5.05	84	869055	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.16%
36) 1,2-Dichloropropane-d6	6.07	67	283084	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.20%
41) Toluene-d8	7.32	98	781167	51.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.18%
43) trans-1,3-Dichloropropene-	7.62	79	141471	50.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.76%
47) 2-Hexanone-d5	8.09	63	245105	106.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.02%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	371696	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	11.63	152	286050	50.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.22%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	247906	51.965	ug/L 100
3) Chloromethane	1.24	50	298484	51.087	ug/L 99
5) Vinyl chloride	1.31	62	296266	51.899	ug/L 100
6) Bromomethane	1.52	94	180806	52.283	ug/L 98
8) Chloroethane	1.59	64	181824	51.235	ug/L 100
9) Trichlorofluoromethane	1.75	101	357589	51.709	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	202299	51.941	ug/L 100
12) 1,1-Dichloroethene	2.12	96	203467	52.063	ug/L 91
13) Acetone	2.19	43	261354	95.776	ug/L 99
14) Carbon disulfide	2.30	76	654621	51.417	ug/L 100
15) Methyl Acetate	2.44	43	282876	51.019	ug/L 100
16) Methylene chloride	2.51	84	248429	50.614	ug/L 100
17) trans-1,2-Dichloroethene	2.76	96	227453	52.018	ug/L 99
18) Methyl tert-butyl Ether	2.77	73	767523	51.988	ug/L 100
19) 1,1-Dichloroethane	3.19	63	450872	51.098	ug/L 99
20) cis-1,2-Dichloroethene	3.91	96	246689	51.566	ug/L 97
22) 2-Butanone	3.98	43	396930	103.606	ug/L 98

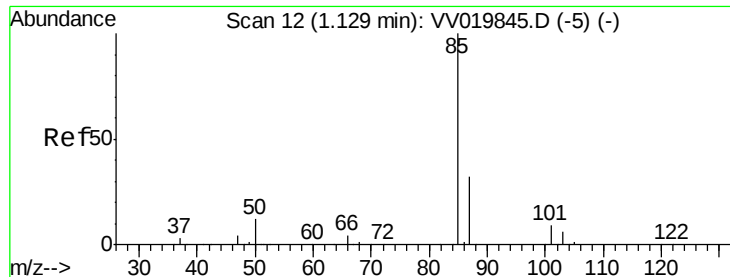
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122820\
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 29 03:03:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	120044	50.785	ug/L	96
25) Chloroform	4.38	83	448401	51.514	ug/L	97
27) 1,2-Dichloroethane	5.13	62	373130	51.994	ug/L	100
29) Cyclohexane	4.68	56	382141	50.521	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	381437	50.429	ug/L	100
31) Carbon tetrachloride	4.83	117	315671	50.715	ug/L	99
33) Benzene	5.10	78	963524	51.853	ug/L	100
34) Trichloroethene	5.92	95	249609	50.635	ug/L	99
35) Methylcyclohexane	6.14	83	377762	51.098	ug/L	100
37) 1,2-Dichloropropane	6.18	63	257490	51.601	ug/L	99
38) Bromodichloromethane	6.51	83	336103	51.519	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	391742	50.966	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	767612	102.733	ug/L	100
42) Toluene	7.39	91	987532	51.882	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	389129	51.906	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	236426	51.652	ug/L	99
46) Tetrachloroethene	7.98	164	165186	50.177	ug/L	99
48) 2-Hexanone	8.14	43	596877	103.323	ug/L	99
49) Dibromochloromethane	8.25	129	243359	51.417	ug/L	97
50) 1,2-Dibromoethane	8.35	107	247060	51.428	ug/L	98
51) Chlorobenzene	8.88	112	621573	51.210	ug/L	98
52) Ethylbenzene	9.02	91	1099087	51.314	ug/L	99
53) m,p-Xylene	9.14	106	396956	50.882	ug/L	98
54) o-xylene	9.55	106	394361	51.705	ug/L	98
55) Styrene	9.57	104	703428	53.066	ug/L	98
56) Isopropylbenzene	9.94	105	1048264	51.318	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	374965	51.576	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	322223	50.794	ug/L	100
61) Bromoform	9.74	173	157130	51.191	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	469176	51.639	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	475284	50.862	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	469292	50.600	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	92918	52.633	ug/L	96
67) 1,3,5-Trichlorobenzene	12.65	180	340918	52.007	ug/L	98
68) 1,2,4-trichlorobenzene	13.27	180	314842	53.943	ug/L	99
69) Naphthalene	13.51	128	1019881	55.555	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	304350	53.653	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.965 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampled :

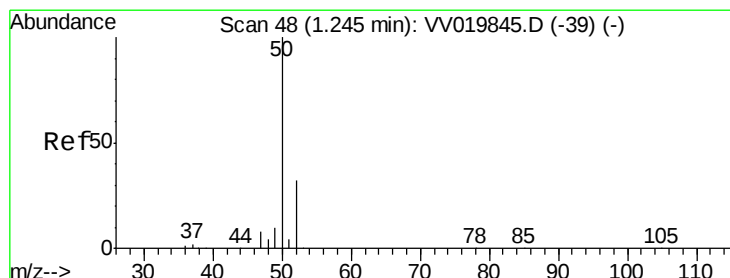
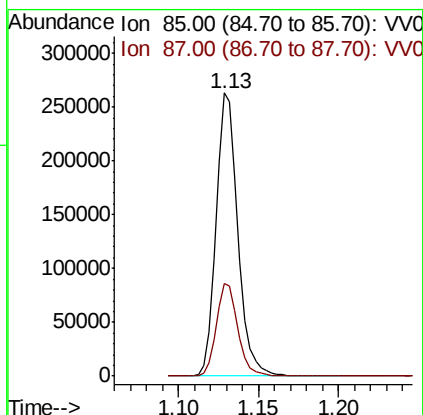
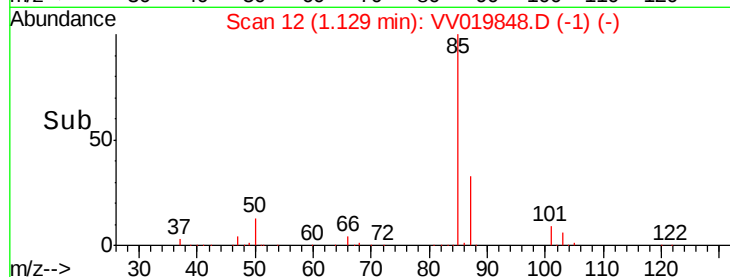
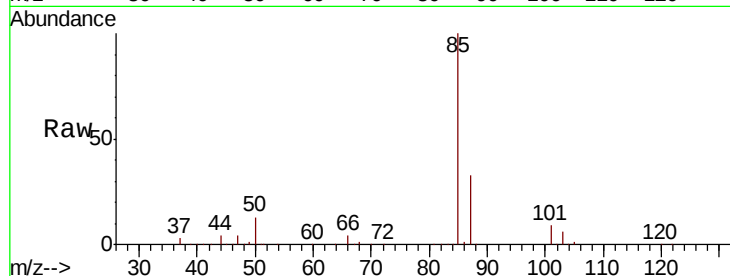
BFB74

Tot Ion: 85 Resp: 247906

Ion Ratio Lower Upper

85 100

87 32.6 25.9 38.9



#3

Chloromethane

Concen: 51.087 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019848.D

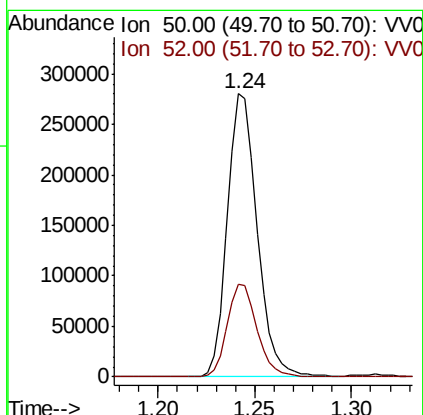
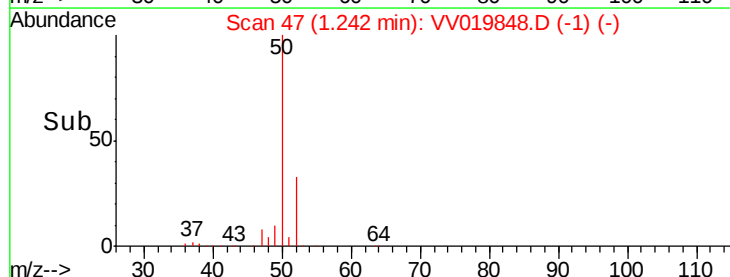
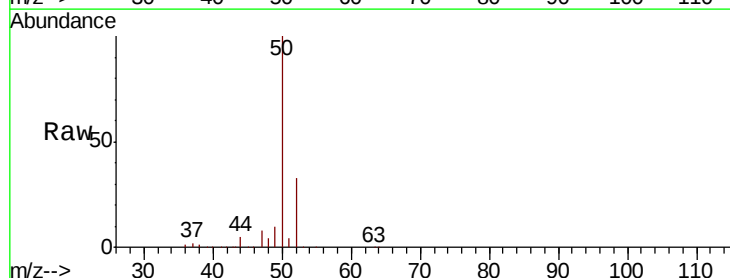
Acq: 28 Dec 2020 14:03

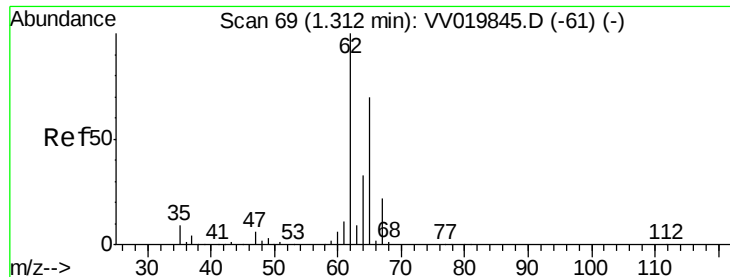
Tgt Ion: 50 Resp: 298484

Ion Ratio Lower Upper

50 100

52 33.0 22.7 42.1





#5

Vinyl chloride

Concen: 51.899 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

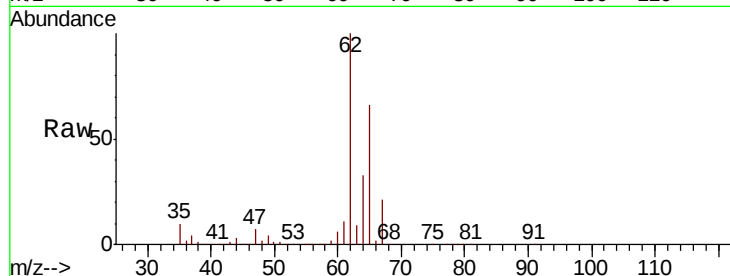
BFB74

Tot Ion: 62 Resp: 296266

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV019848.D (-61) (-)

Ion 64.00 (63.70 to 64.70): VV019848.D (-61) (-)

1.31

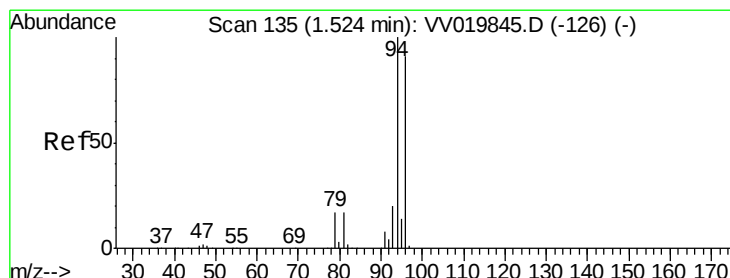
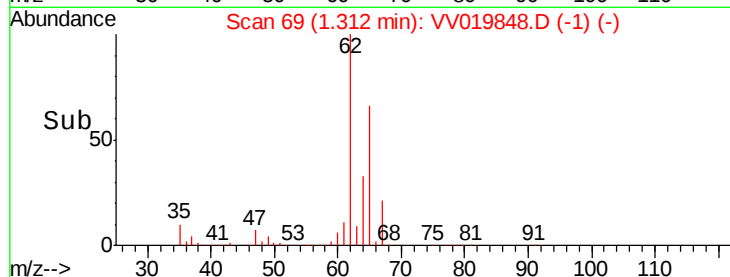
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200000

100000

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Time-->



#6

Bromomethane

Concen: 52.283 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019848.D

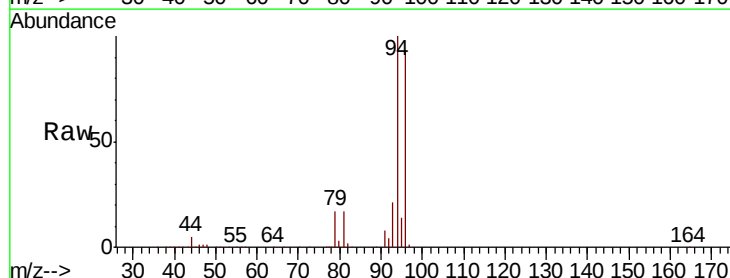
Acq: 28 Dec 2020 14:03

Tgt Ion: 94 Resp: 180806

Ion Ratio Lower Upper

94 100

96 93.0 63.6 118.2



Abundance Ion 94.00 (93.70 to 94.70): VV019848.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV019848.D (-126) (-)

1.52

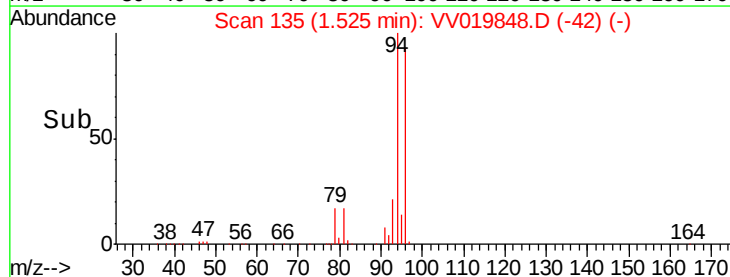
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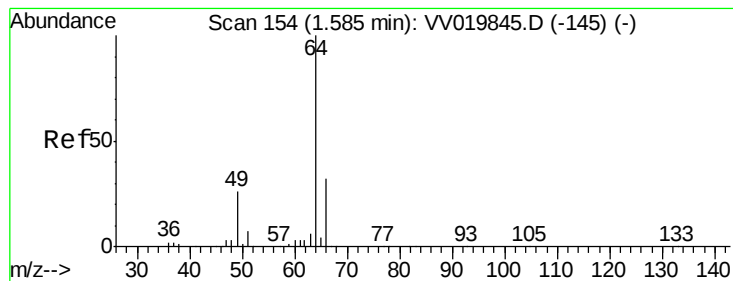
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50000

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Time-->





#8

Chloroethane

Concen: 51.235 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

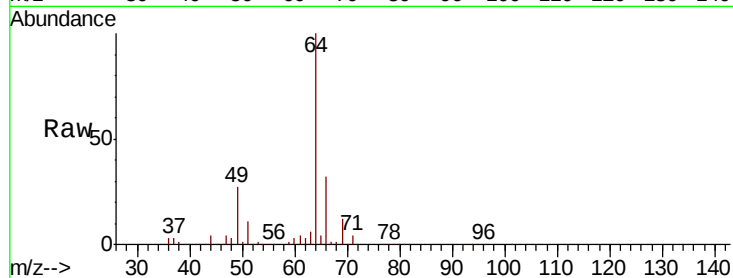
BFB74

Tot Ion: 64 Resp: 181824

Ion Ratio Lower Upper

64 100

66 32.3 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV019848.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV019848.D (-145) (-)

1.59

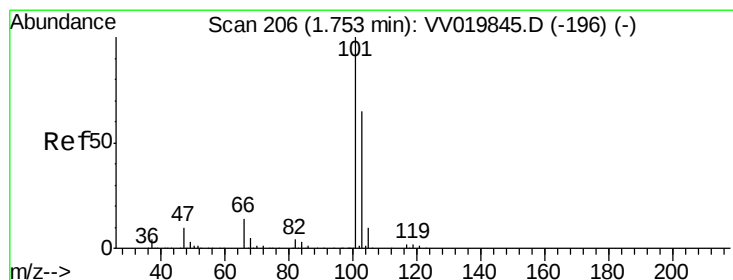
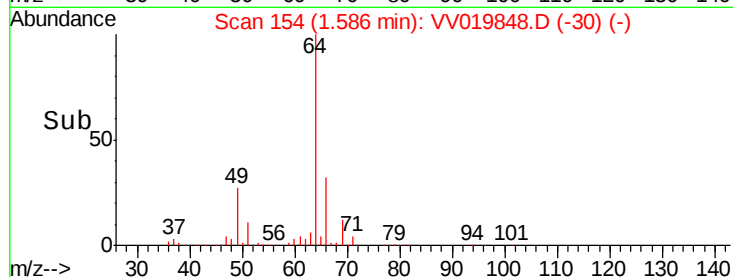
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 51.709 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV019848.D

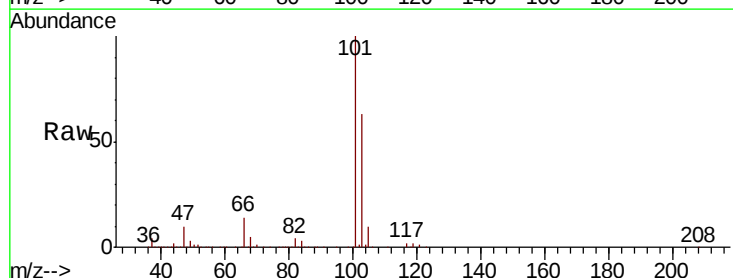
Acq: 28 Dec 2020 14:03

Tgt Ion:101 Resp: 357589

Ion Ratio Lower Upper

101 100

103 64.4 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019848.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019848.D (-196) (-)

1.75

300000

250000

200000

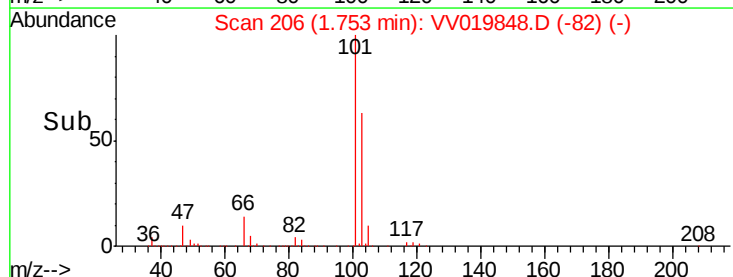
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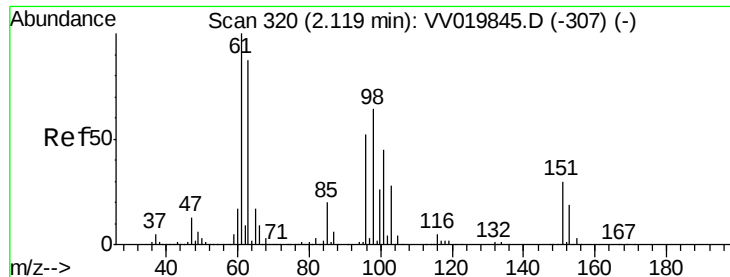
100000

50000

0

Time-->





#10

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

Concen: 51.941 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

BFB74

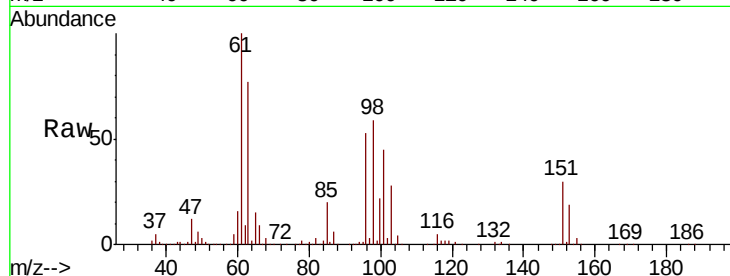
Tot Ion:101 Resp: 202299

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

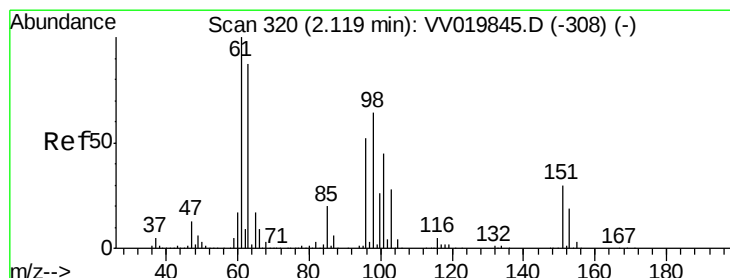
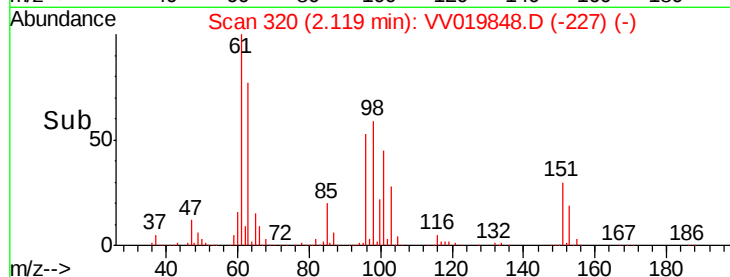
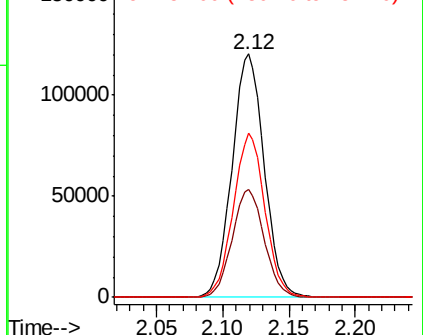
151 66.5 53.6 80.4



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: 52.063 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

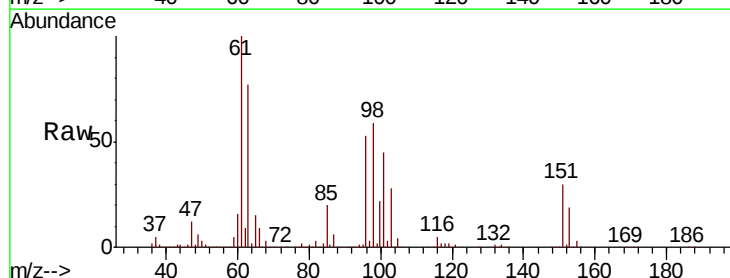
Tgt Ion: 96 Resp: 203467

Ion Ratio Lower Upper

96 100

61 188.8 134.9 250.5

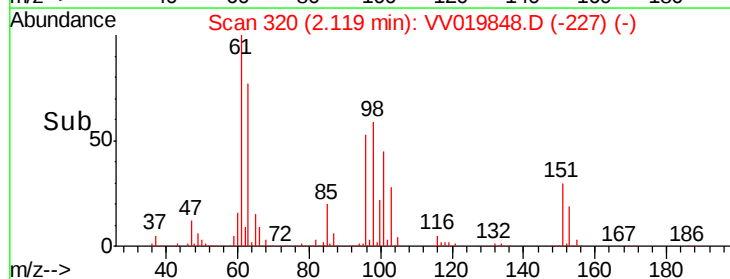
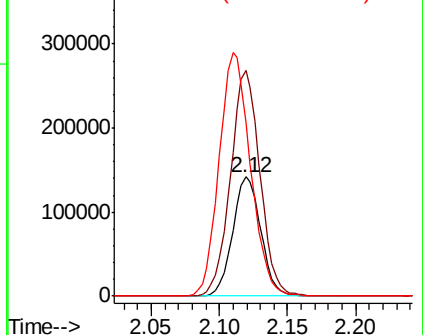
63 145.2 117.6 218.4

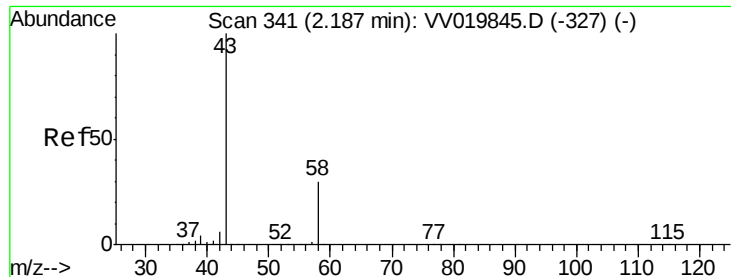


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 95.776 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

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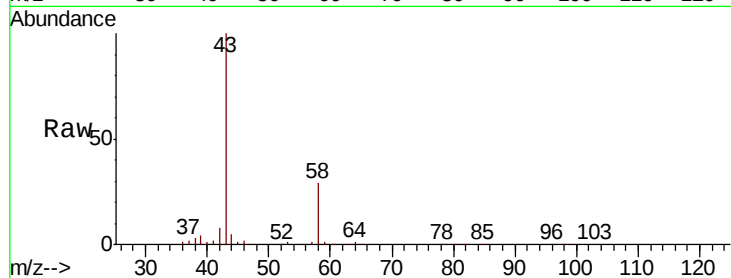
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Tot Ion: 43 Resp: 261354

Ion Ratio Lower Upper

43 100

58 29.7 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019845.D (-327) (-)

Ion 58.00 (57.70 to 58.70): VV019845.D (-327) (-)

2.19

100000

80000

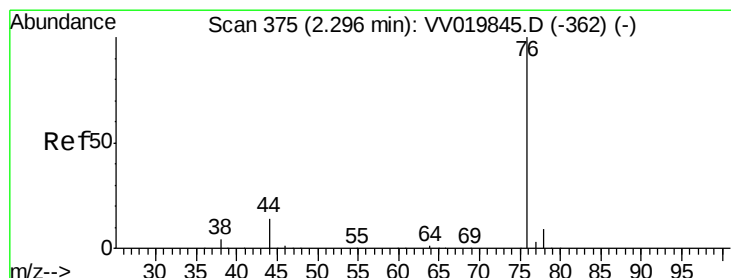
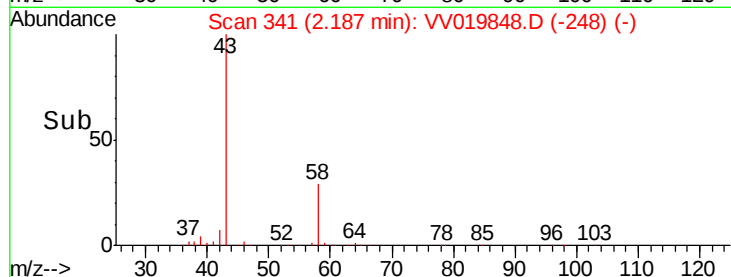
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40000

20000

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Time-->



#14

Carbon disulfide

Concen: 51.417 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019848.D

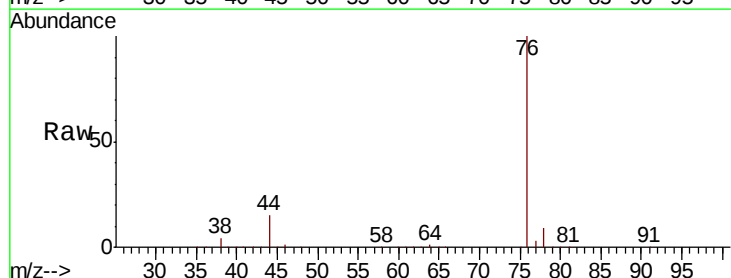
Acq: 28 Dec 2020 14:03

Tgt Ion: 76 Resp: 654621

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019845.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VV019845.D (-362) (-)

2.30

500000

400000

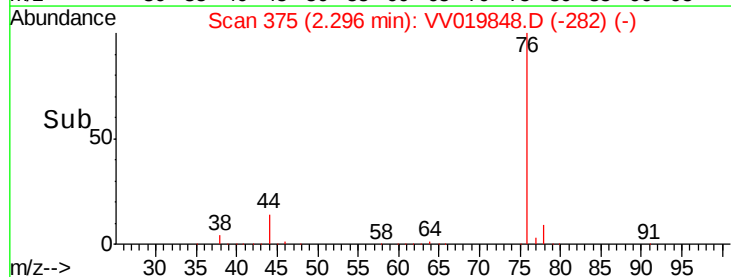
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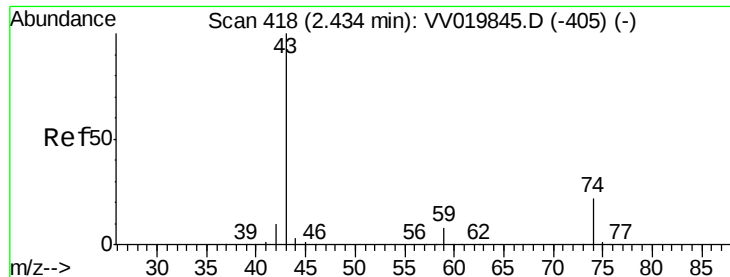
200000

100000

0

Time-->





#15

Methvl Acetate

Concen: 51.019 ug/L

RT: 2.44 min Scan# 419

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

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ClientSampleId :

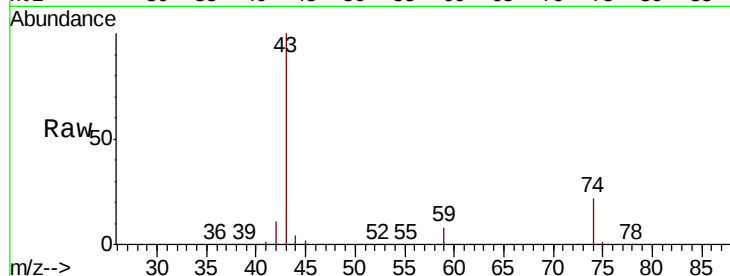
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Tot Ion: 43 Resp: 282876

Ion Ratio Lower Upper

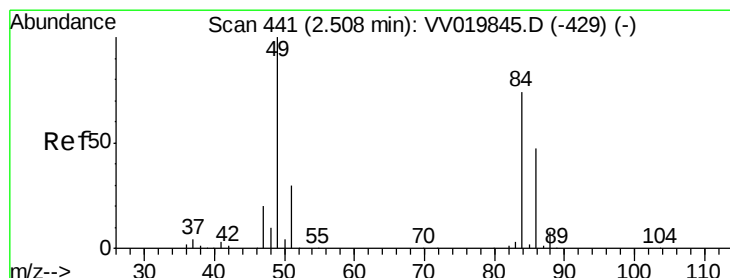
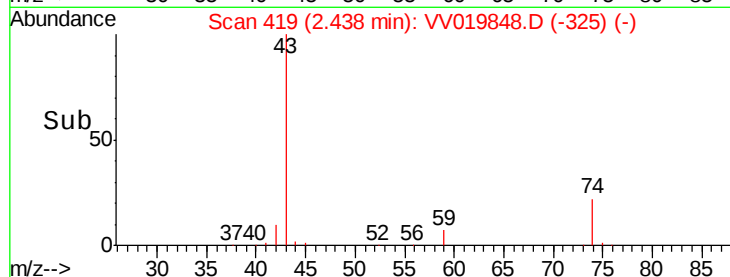
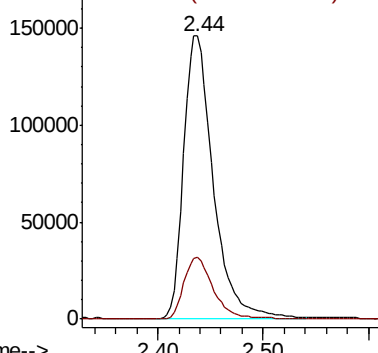
43 100

74 22.0 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 50.614 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

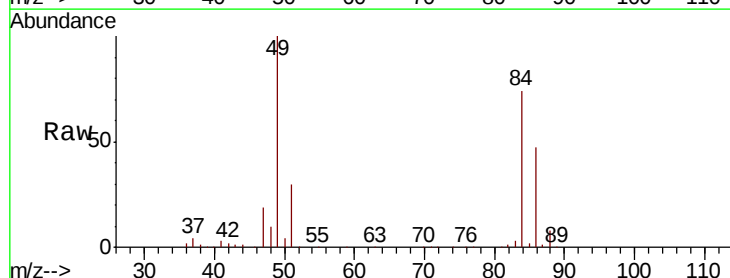
Tgt Ion: 84 Resp: 248429

Ion Ratio Lower Upper

84 100

86 64.2 44.6 82.8

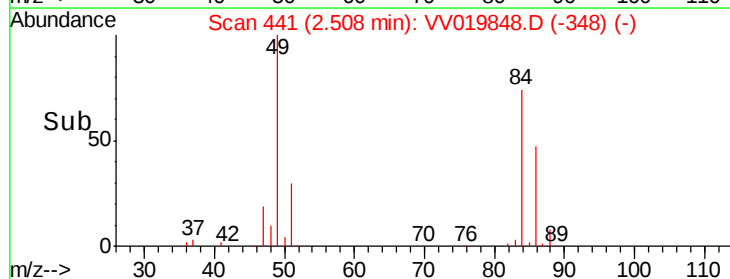
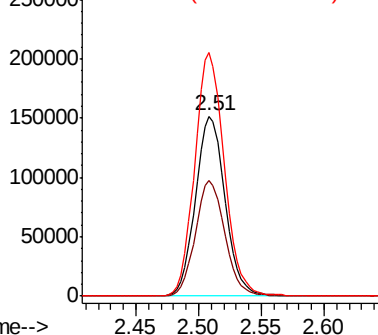
49 135.4 94.6 175.8

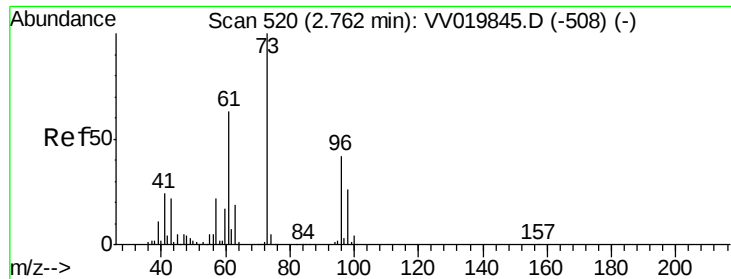


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

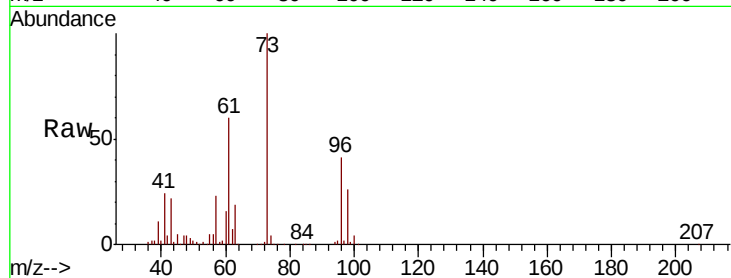




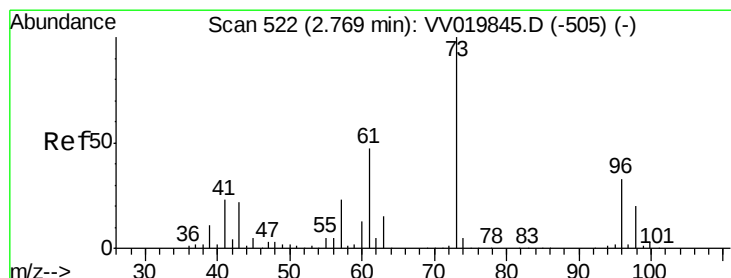
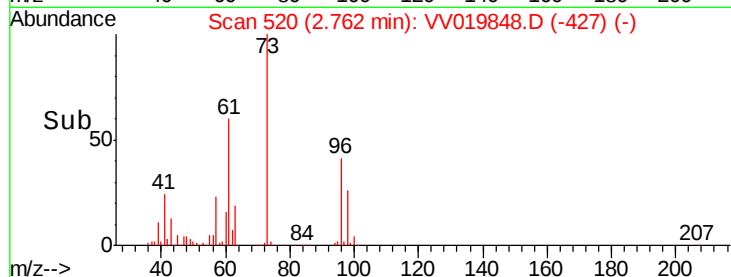
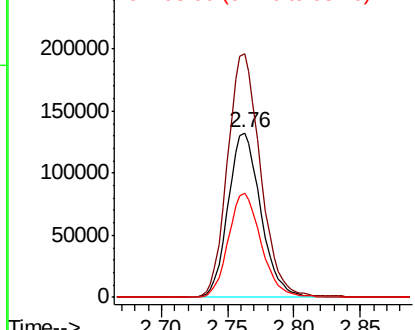
#17
trans-1,2-Dichloroethene
Concen: 52.018 ug/L
RT: 2.76 min Scan# 520
Delta R.T. 0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Instrument :
MSVOA_V
ClientSampled :
BFB74

Tot Ion: 96 Resp: 227453
Ion Ratio Lower Upper
96 100
61 147.9 103.1 191.5
98 63.0 43.1 80.1

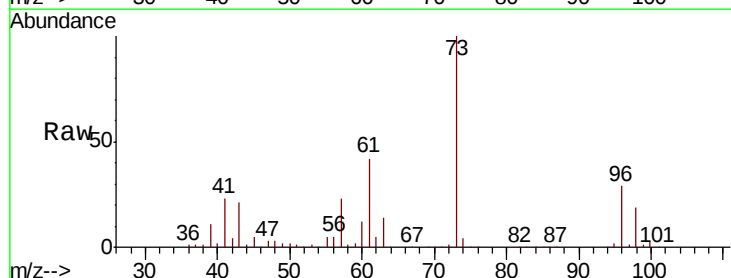


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

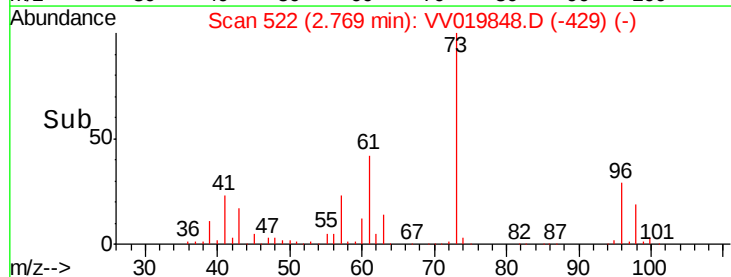
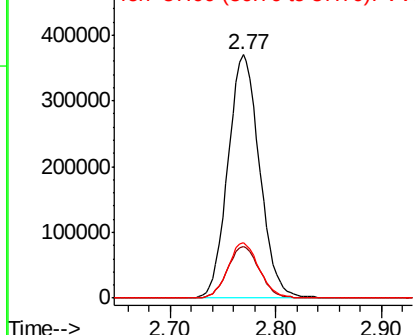


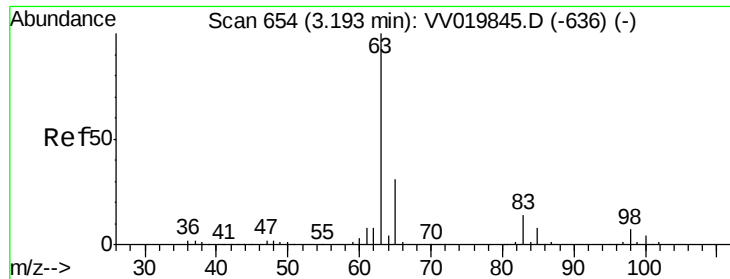
#18
Methyl tert-butyl Ether
Concen: 51.988 ug/L
RT: 2.77 min Scan# 522
Delta R.T. 0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Tgt Ion: 73 Resp: 767523
Ion Ratio Lower Upper
73 100
43 21.4 17.3 25.9
57 22.4 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.098 ug/L

RT: 3.19 min Scan# 654

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

BFB74

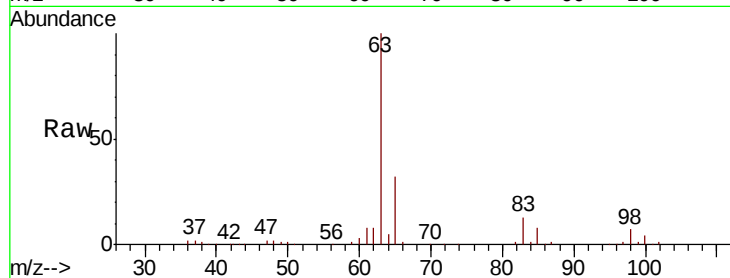
Tot Ion: 63 Resp: 450872

Ion Ratio Lower Upper

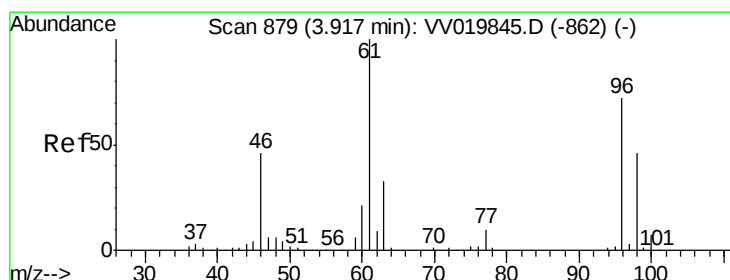
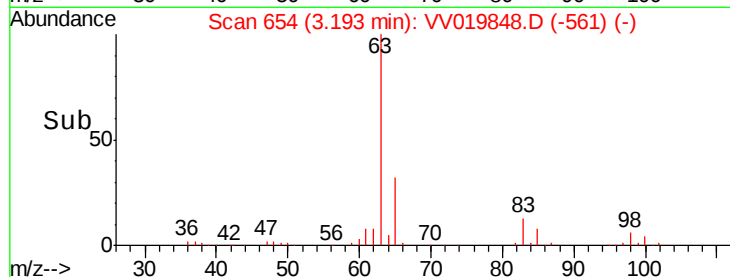
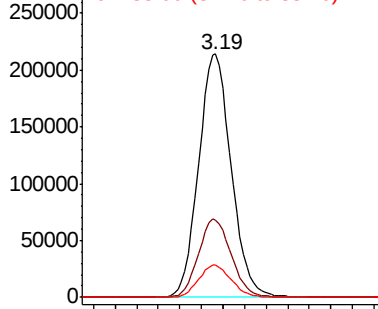
63 100

65 32.0 21.9 40.7

83 13.2 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: 51.566 ug/L

RT: 3.91 min Scan# 878

Delta R.T. -0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

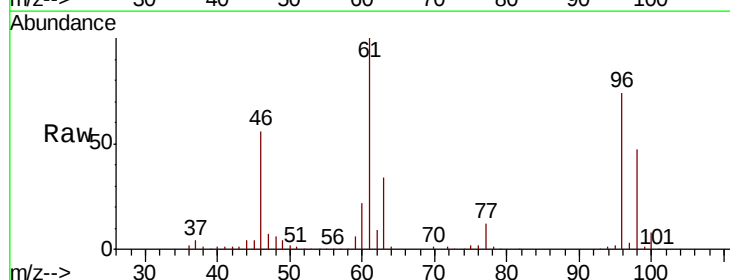
Tgt Ion: 96 Resp: 246689

Ion Ratio Lower Upper

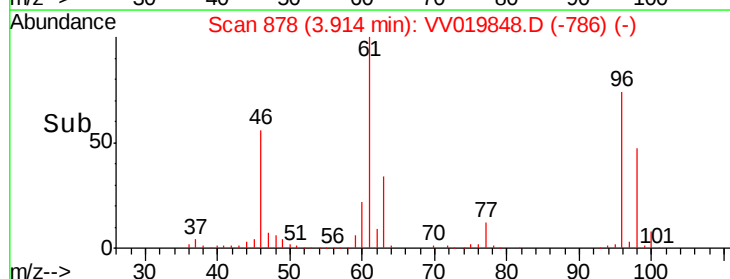
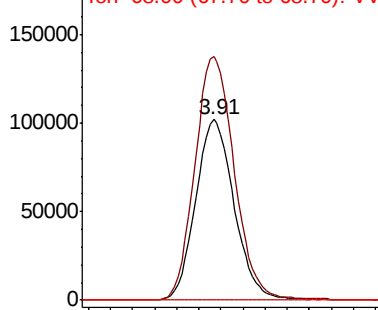
96 100

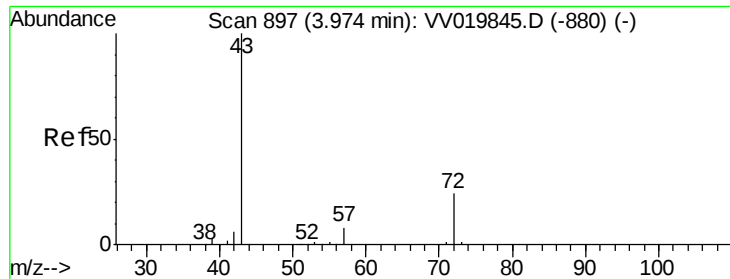
61 134.7 96.9 179.9

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: 103.606 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampled :

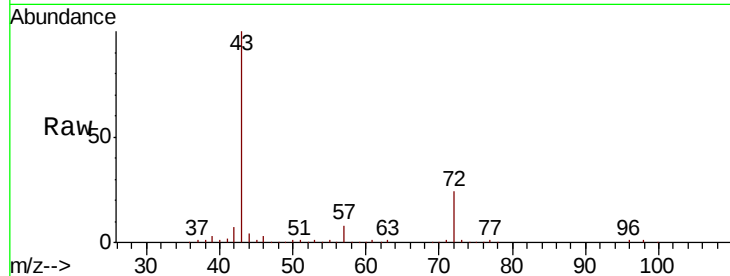
BFB74

Tot Ion: 43 Resp: 396930

Ion Ratio Lower Upper

43 100

72 23.3 12.2 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV019845.D (-880) (-)

Ion 72.00 (71.70 to 72.70): VV019845.D (-880) (-)

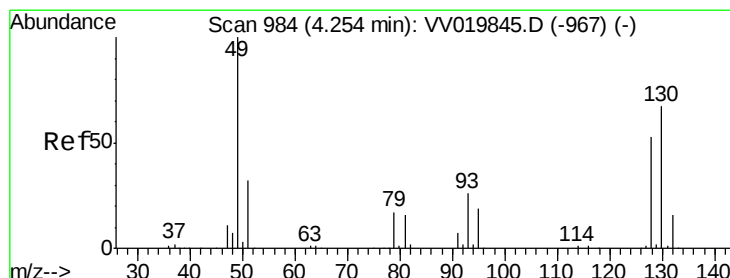
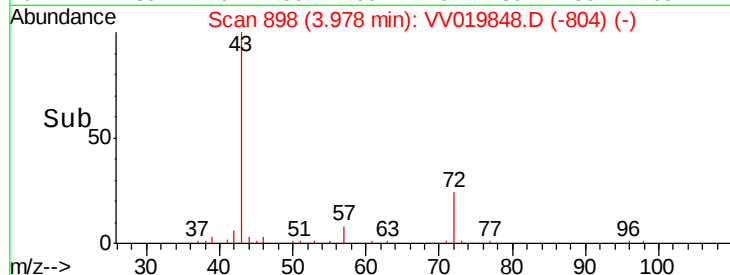
3.98

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 50.785 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Tgt Ion: 128 Resp: 120044

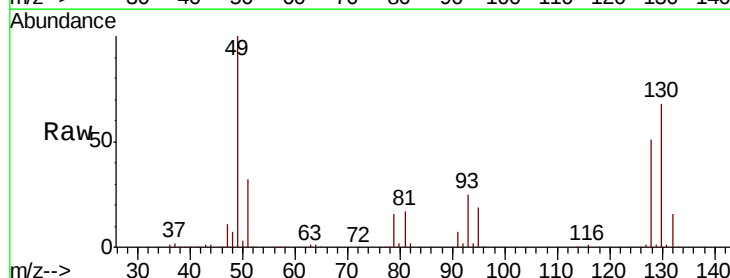
Ion Ratio Lower Upper

128 100

49 195.7 133.1 247.1

130 133.3 89.0 165.4

51 62.4 49.3 73.9



Abundance Ion 128.00 (127.70 to 128.70): VV019845.D (-967) (-)

Ion 49.00 (48.70 to 49.70): VV019845.D (-967) (-)

Ion 130.00 (129.70 to 130.70): VV019845.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VV019845.D (-967) (-)

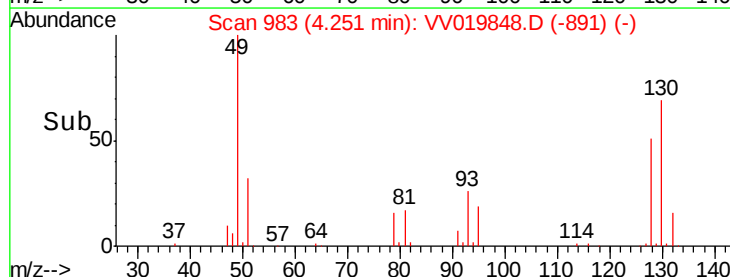
150000

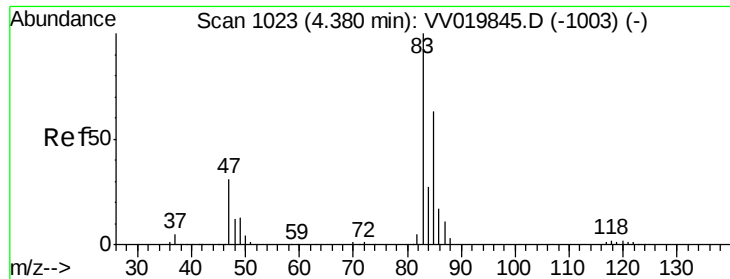
100000

50000

0

Time-->

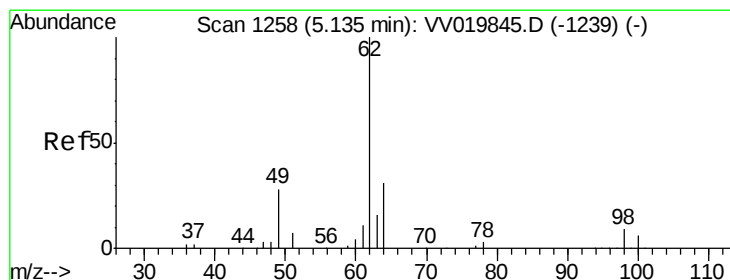
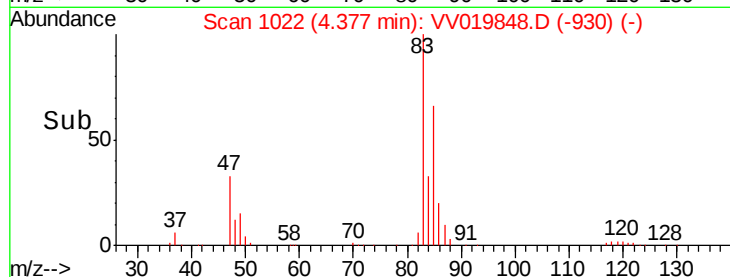
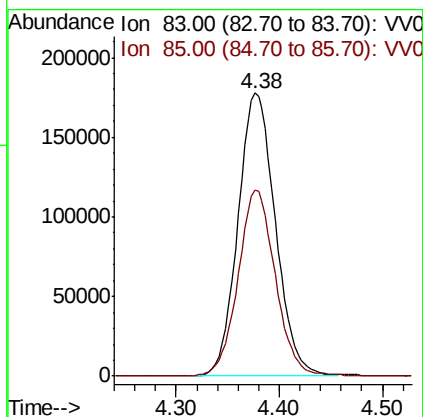
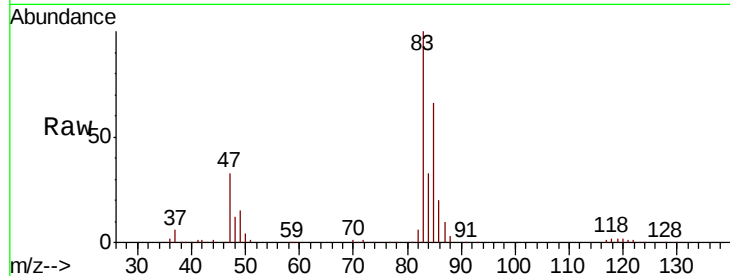




#25
Chloroform
Concen: 51.514 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

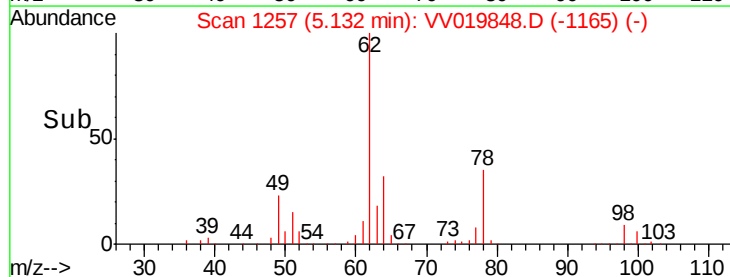
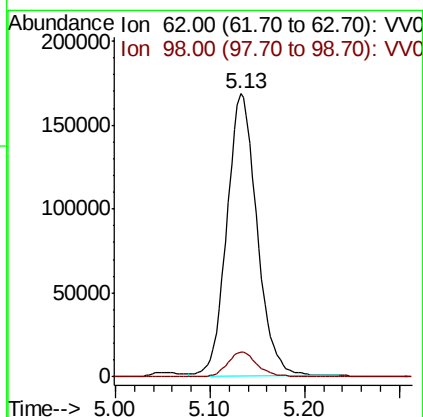
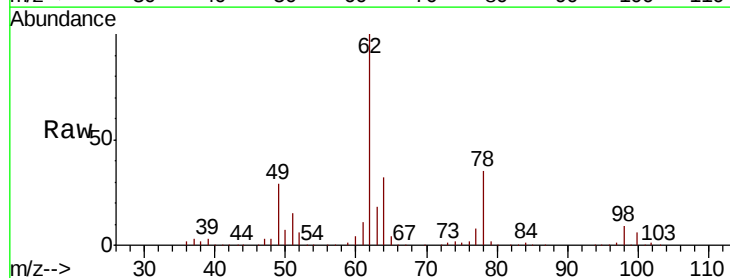
Instrument :
MSVOA_V
ClientSampled :
BFB74

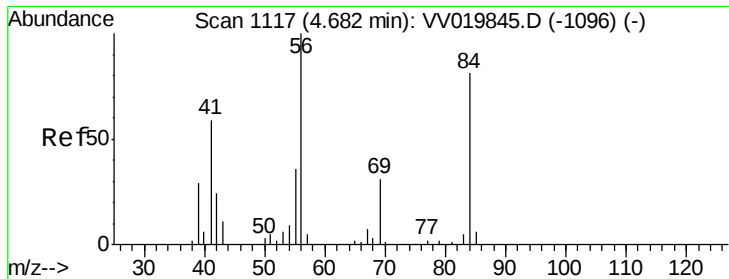
Tot Ion: 83 Resp: 448401
Ion Ratio Lower Upper
83 100
85 65.8 44.2 82.2



#27
1,2-Dichloroethane
Concen: 51.994 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Tgt Ion: 62 Resp: 373130
Ion Ratio Lower Upper
62 100
98 8.7 6.9 10.3

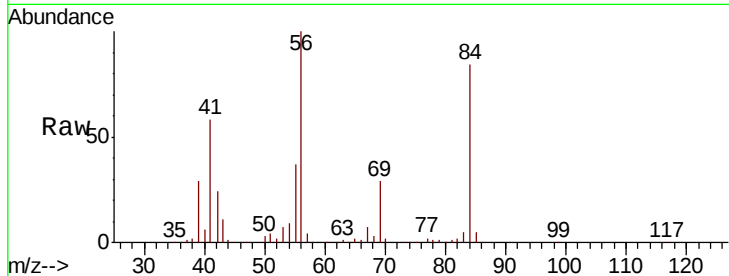




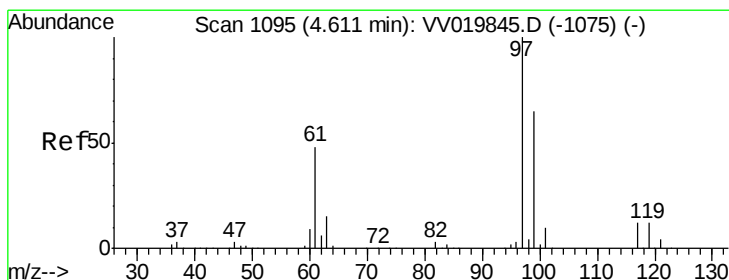
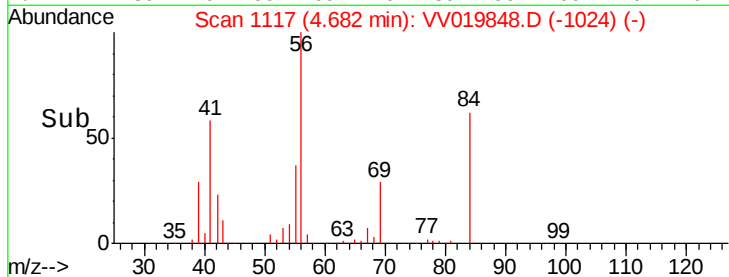
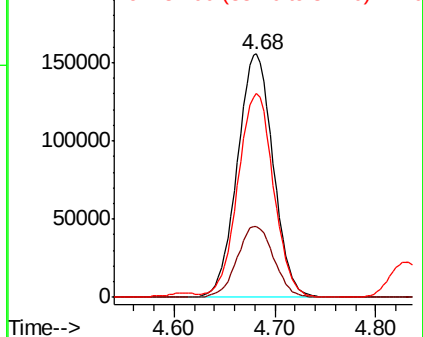
#29
Cvclohexane
Concen: 50.521 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Instrument :
MSVOA_V
ClientSampleId :
BFB74

Tot Ion: 56 Resp: 382141
Ion Ratio Lower Upper
56 100
69 29.7 24.2 36.2
84 83.7 66.3 99.5

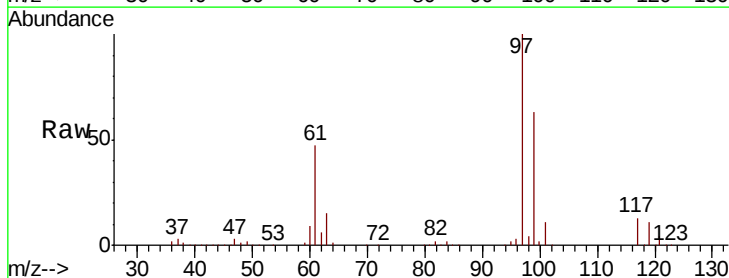


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

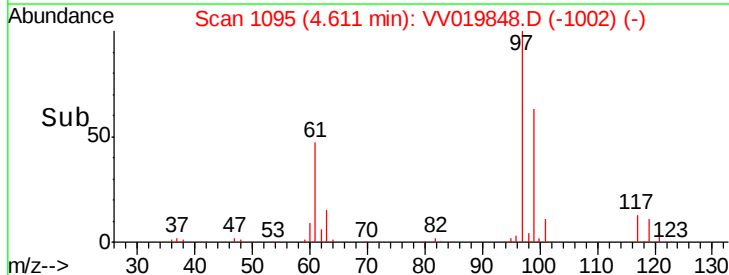
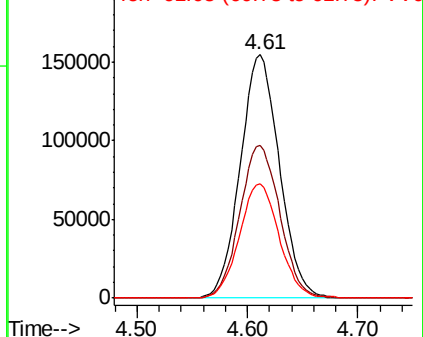


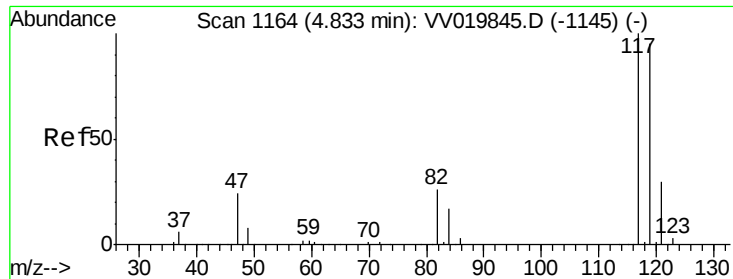
#30
1,1,1-Trichloroethane
Concen: 50.429 ug/L
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Tgt Ion: 97 Resp: 381437
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 47.8 38.5 57.7



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.715 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

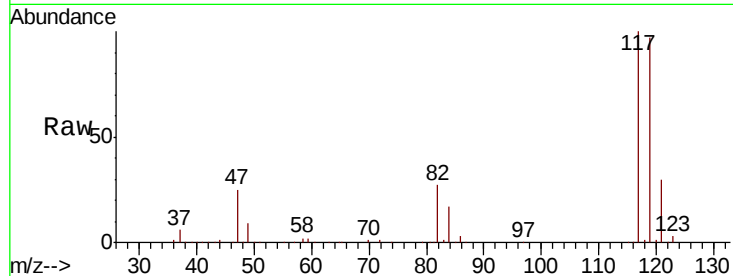
BFB74

Tot Ion:117 Resp: 315671

Ion Ratio Lower Upper

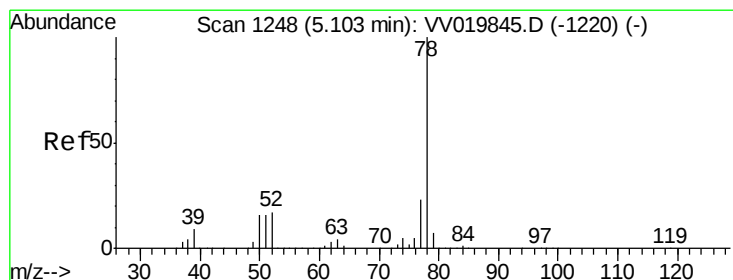
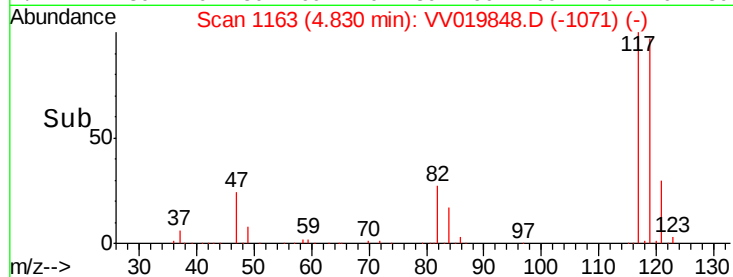
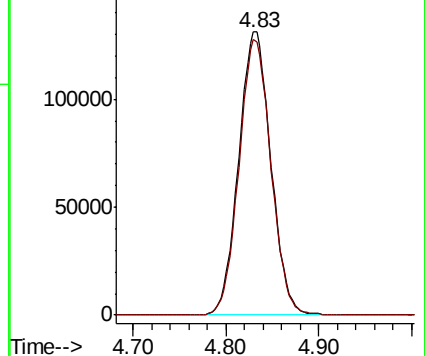
117 100

119 96.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.853 ug/L

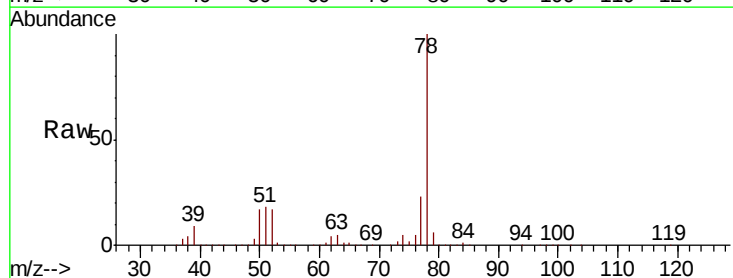
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

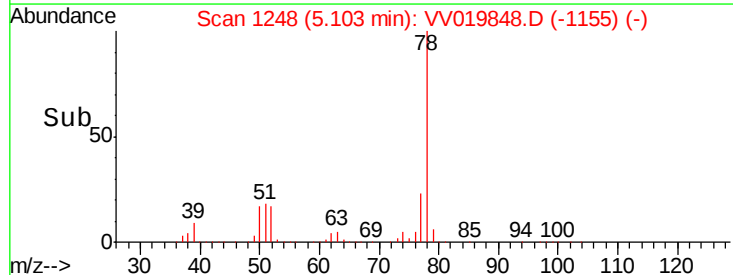
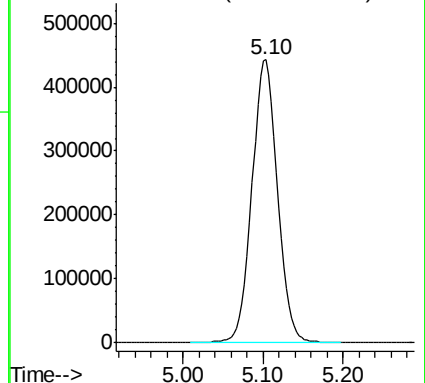
Lab File: VV019848.D

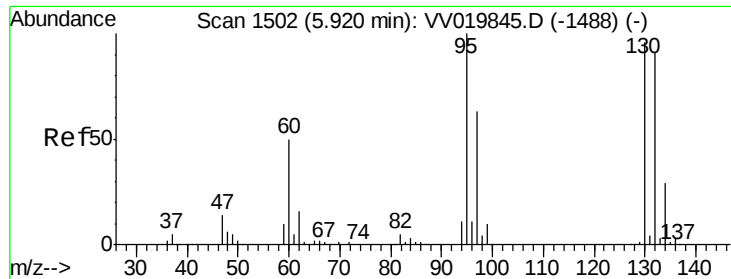
Acq: 28 Dec 2020 14:03

Tgt Ion: 78 Resp: 963524



Abundance Ion 78.00 (77.70 to 78.70): VV0

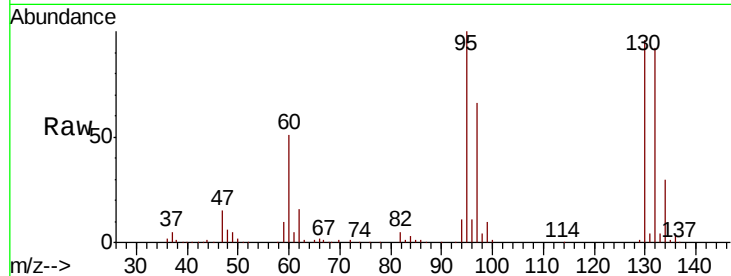




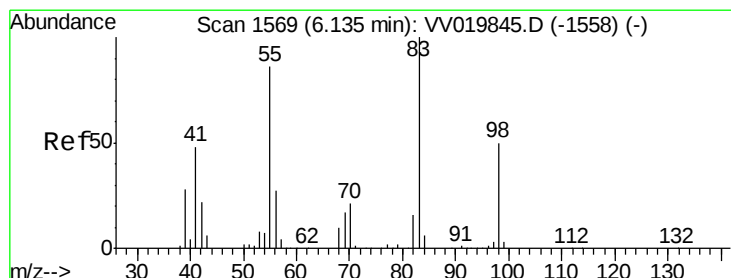
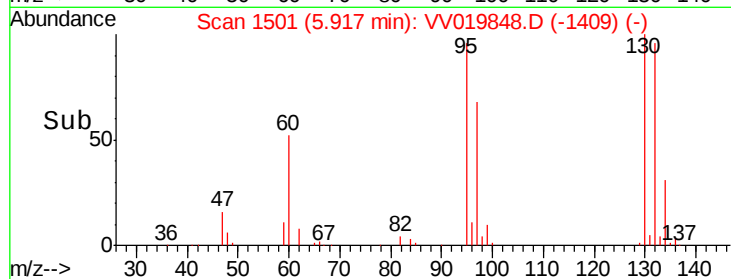
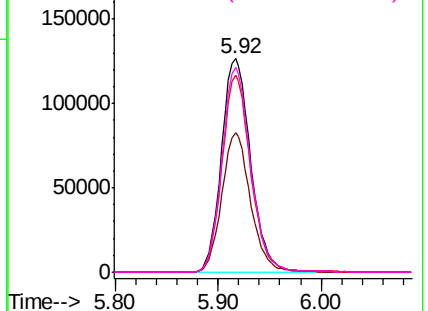
#34
Trichloroethene
Concen: 50.635 ug/L
RT: 5.92 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Instrument :
MSVOA_V
ClientSampleId :
BFB74

Tot Ion: 95 Resp: 249609
Ion Ratio Lower Upper
95 100
97 65.6 44.5 82.7
132 92.4 63.4 117.8
130 95.8 67.1 124.5

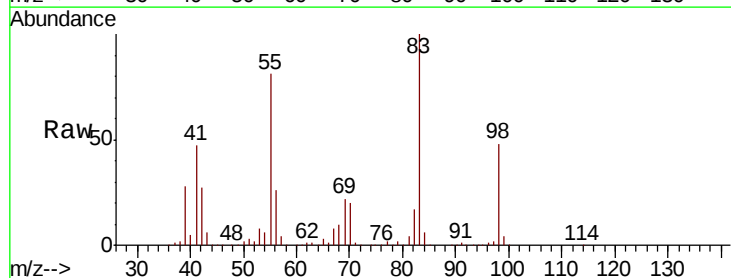


Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 97.00 (96.70 to 97.70): VV0
Ion 132.00 (131.70 to 132.70): VV0
Ion 130.00 (129.70 to 130.70): VV0

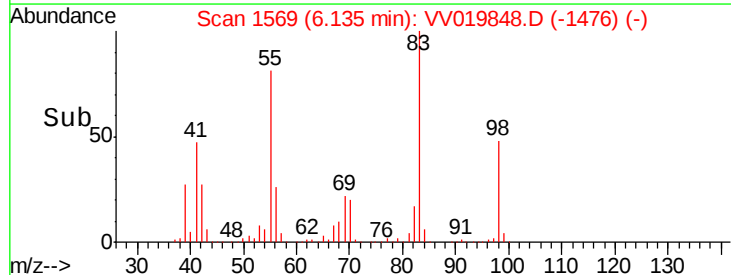
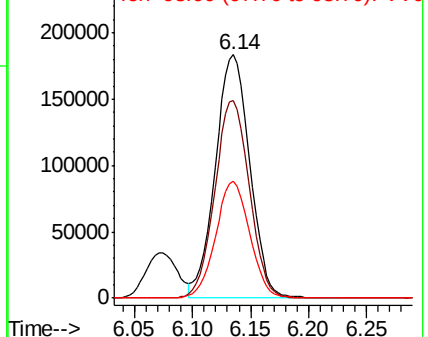


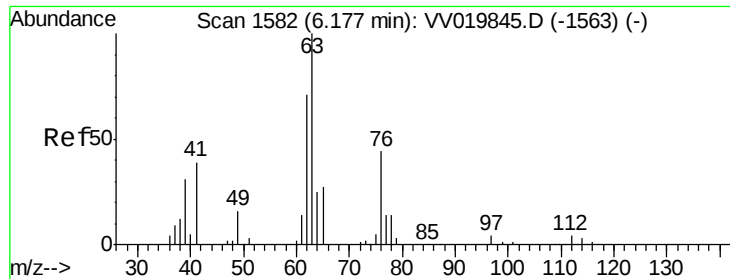
#35
Methylcyclohexane
Concen: 51.098 ug/L
RT: 6.14 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Tgt Ion: 83 Resp: 377762
Ion Ratio Lower Upper
83 100
55 81.0 65.1 97.7
98 47.4 38.2 57.2



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

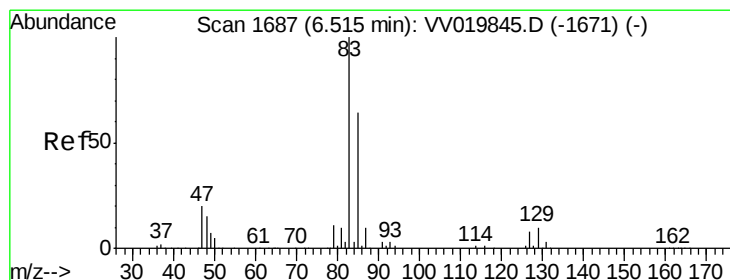
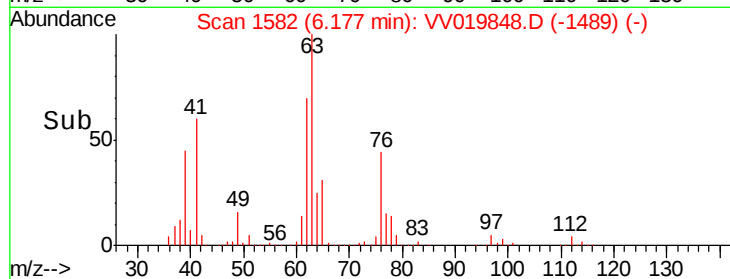
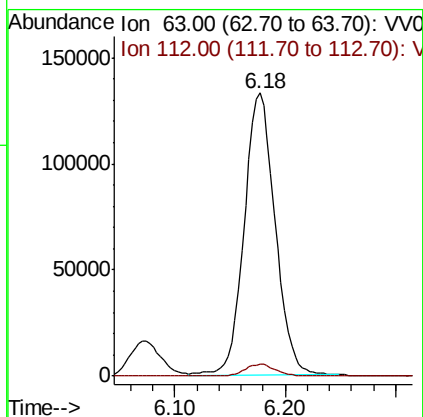
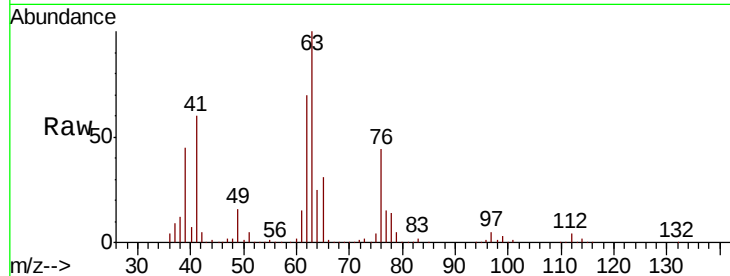




#37
 1,2-Dichloropropane
 Concen: 51.601 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV019848.D
 Acq: 28 Dec 2020 14:03

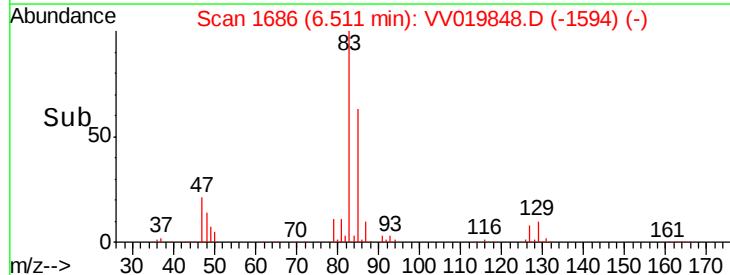
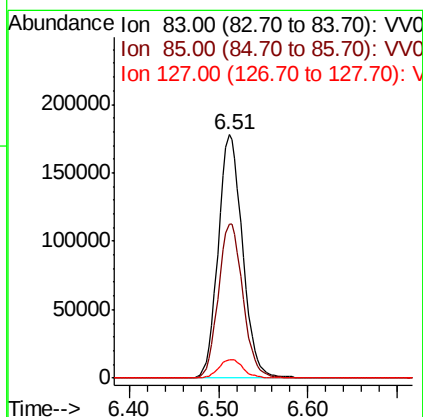
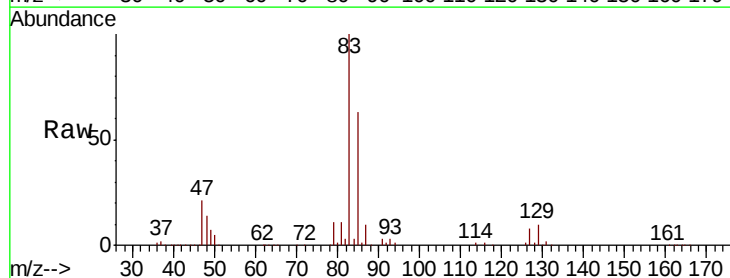
Instrument :
 MSVOA_V
 ClientSampled :
 BFB74

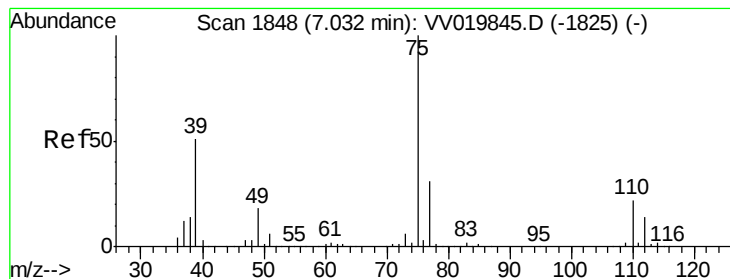
Tot Ion: 63 Resp: 257490
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 51.519 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VV019848.D
 Acq: 28 Dec 2020 14:03

Tgt Ion: 83 Resp: 336103
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.5 82.7
 127 7.6 6.3 9.5



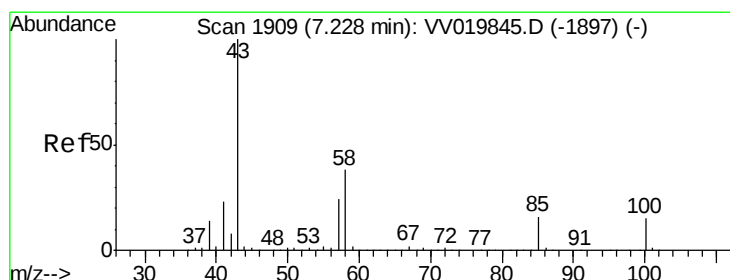
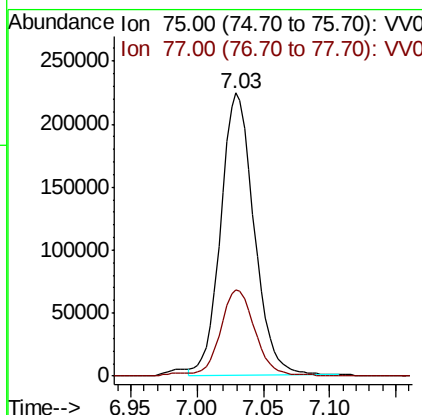
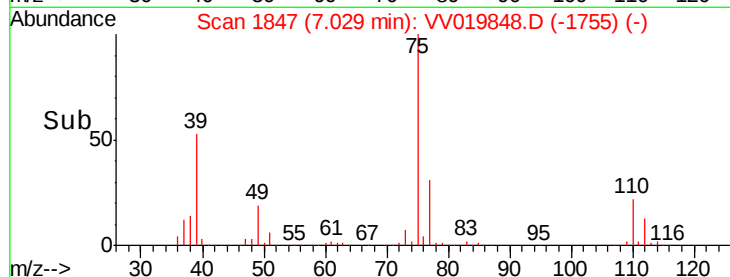
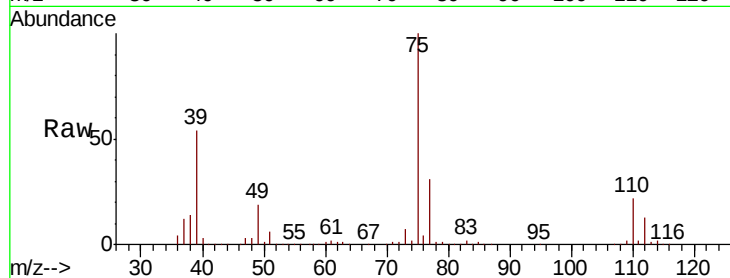


#39

cis-1,3-Dichloropropene
Concen: 50.966 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Instrument :
MSVOA_V
ClientSampled :
BFB74

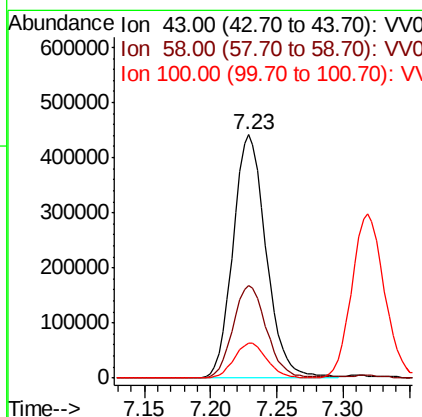
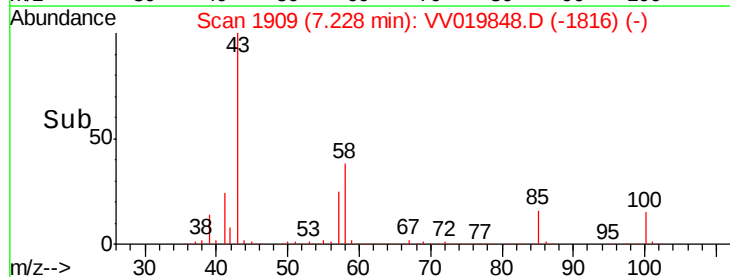
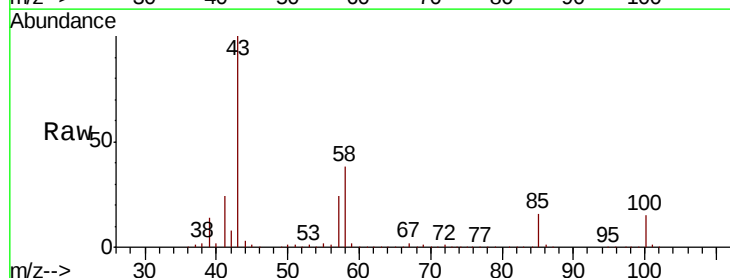
Tot Ion: 75 Resp: 391742
Ion Ratio Lower Upper
75 100
77 30.6 21.8 40.6

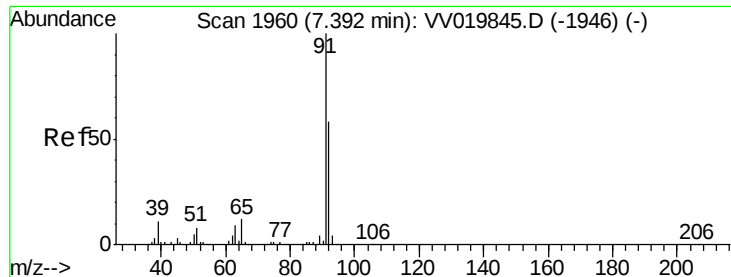


#40

4-Methyl-2-pentanone
Concen: 102.733 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Tgt Ion: 43 Resp: 767612
Ion Ratio Lower Upper
43 100
58 38.4 30.7 46.1
100 14.3 11.6 17.4





#42

Toluene

Concen: 51.882 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

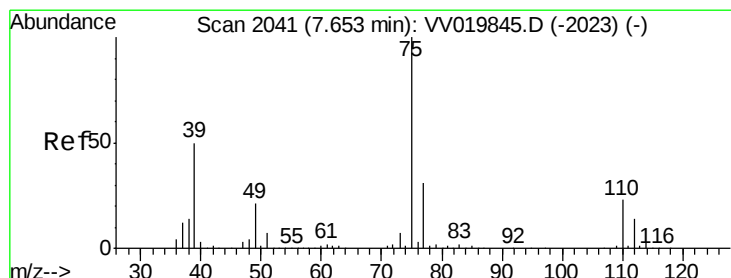
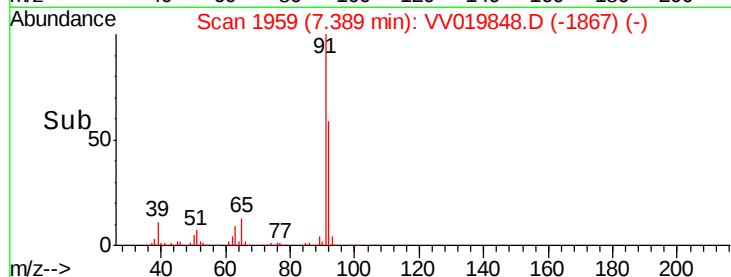
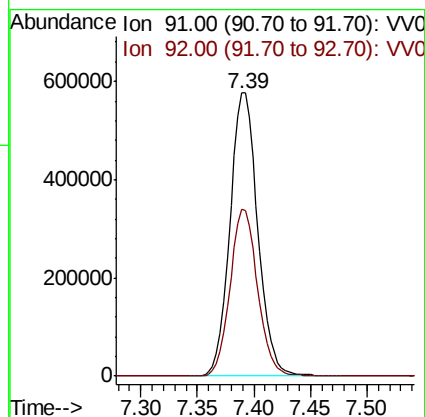
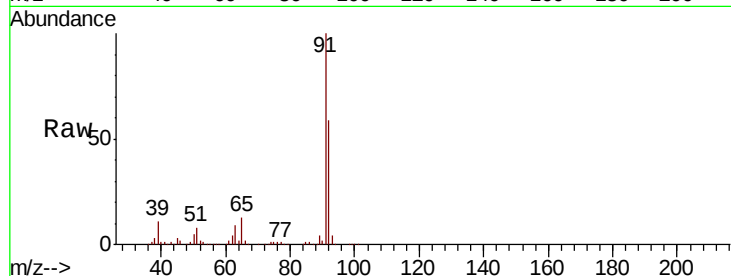
BFB74

Tot Ion: 91 Resp: 987532

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 51.906 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019848.D

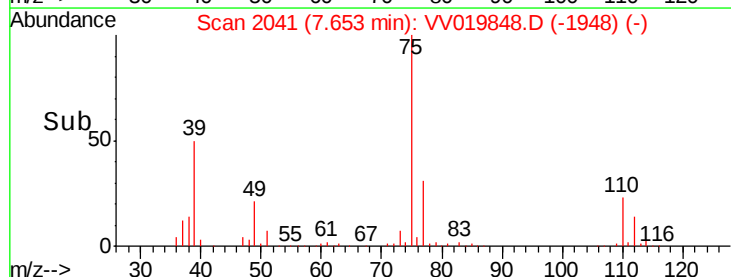
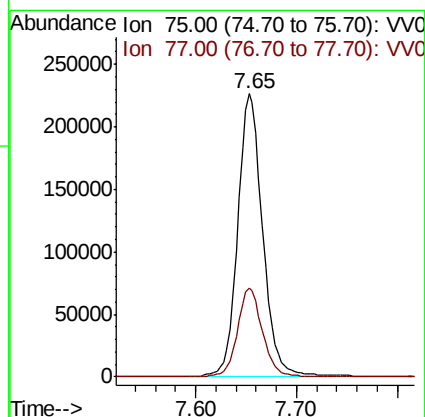
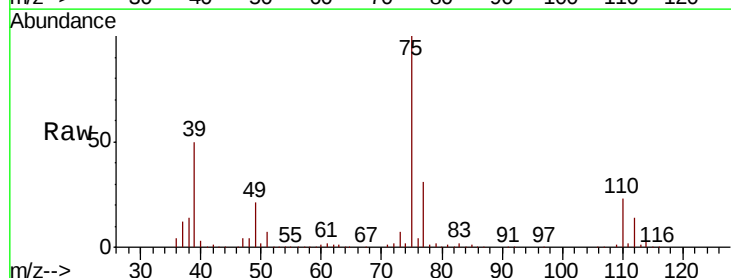
Acq: 28 Dec 2020 14:03

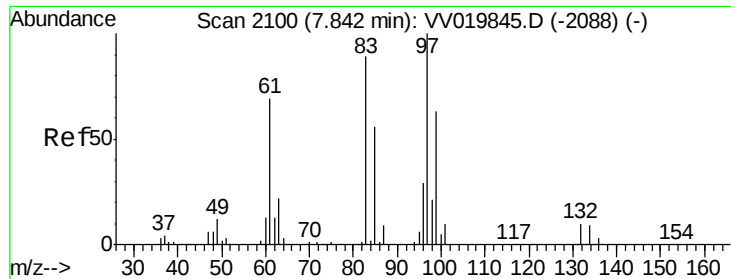
Tgt Ion: 75 Resp: 389129

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0

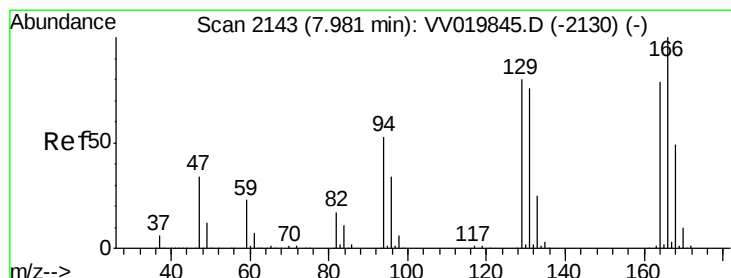
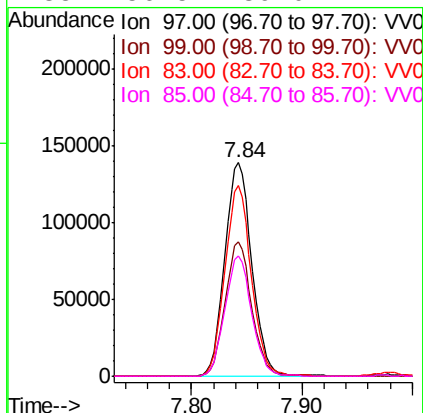
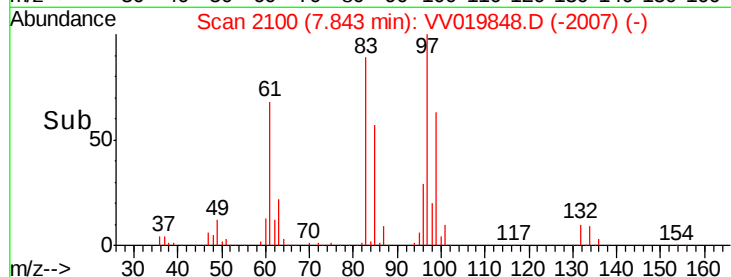
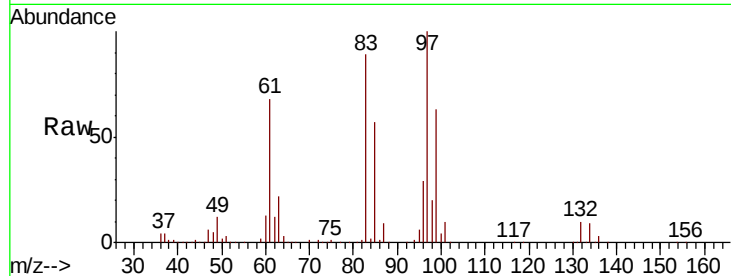




#45
1,1,2-Trichloroethane
Concen: 51.652 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

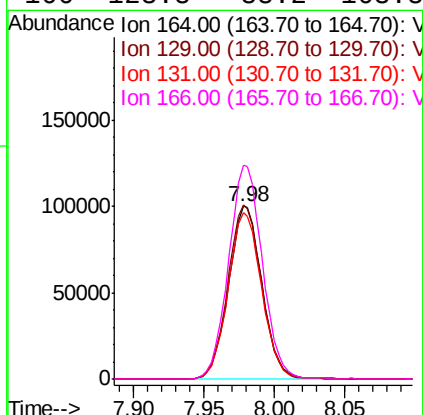
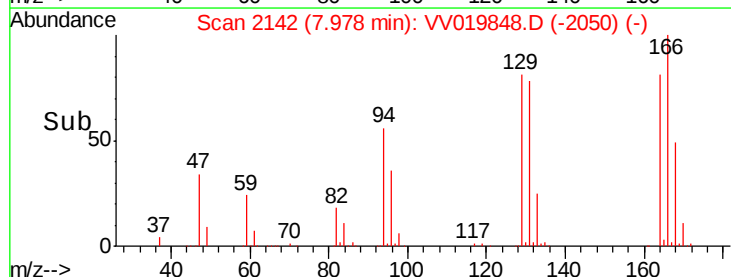
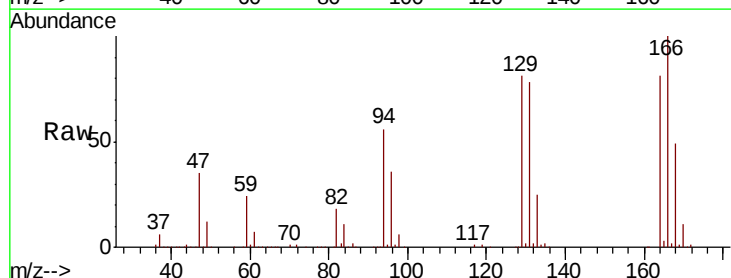
Instrument :
MSVOA_V
ClientSampleId :
BFB74

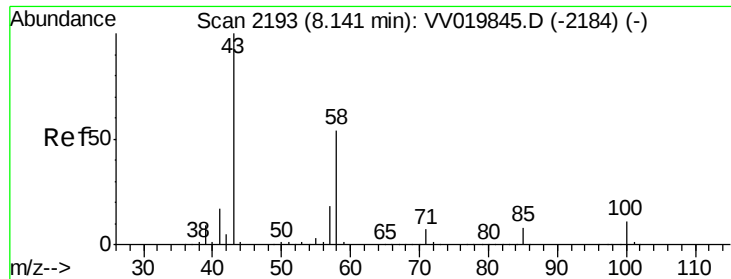
Tot Ion:	97	Resp:	236426
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.8	81.3
83	89.2	62.2	115.4
85	56.5	39.0	72.4



#46
Tetrachloroethene
Concen: 50.177 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Tgt Ion:	164	Resp:	165186
Ion	Ratio	Lower	Upper
164	100		
129	100.7	70.6	131.0
131	96.6	66.8	124.0
166	123.8	88.2	163.8

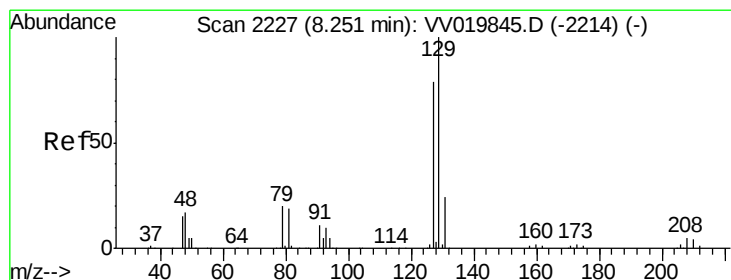
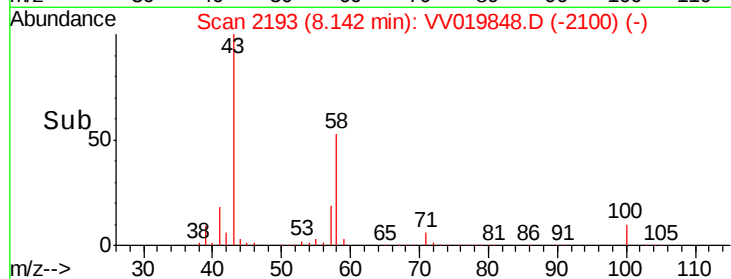
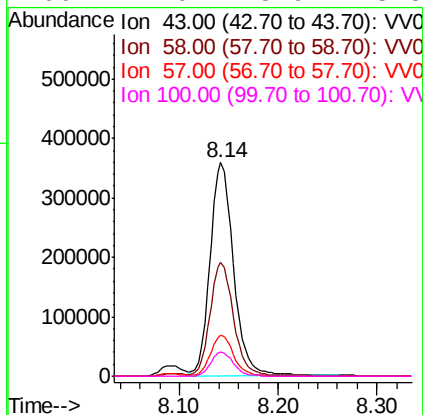
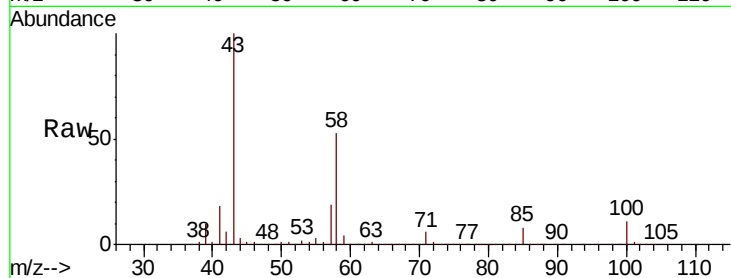




#48
2-Hexanone
Concen: 103.323 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

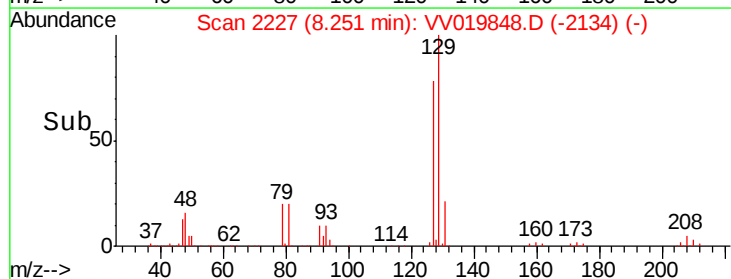
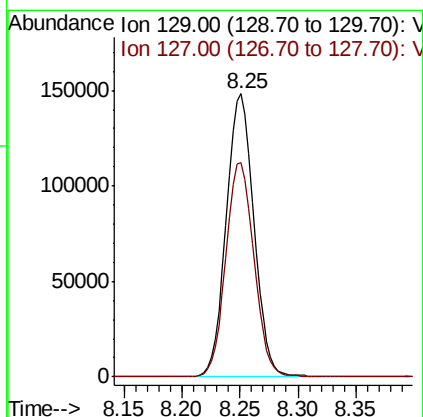
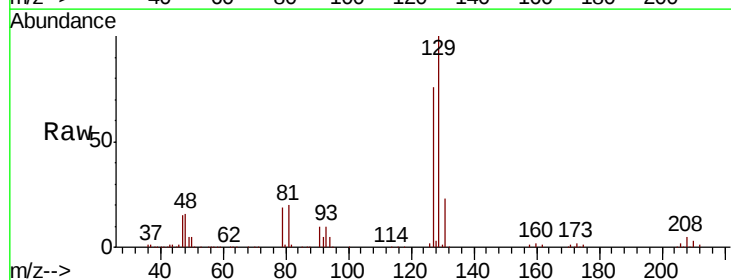
Instrument :
MSVOA_V
ClientSampleId :
BFB74

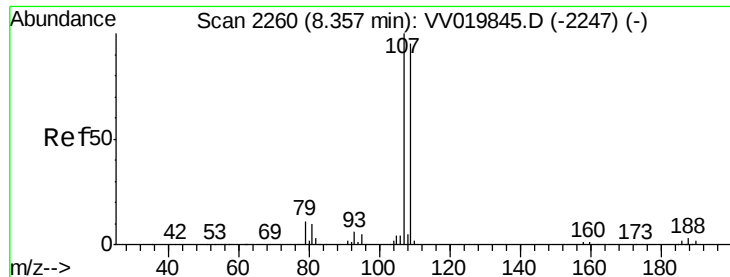
Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	41.8	62.6
57	19.0	15.0	22.4
100	11.0	8.9	13.3



#49
Dibromochloromethane
Concen: 51.417 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019848.D
Acq: 28 Dec 2020 14:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	55.2	102.6

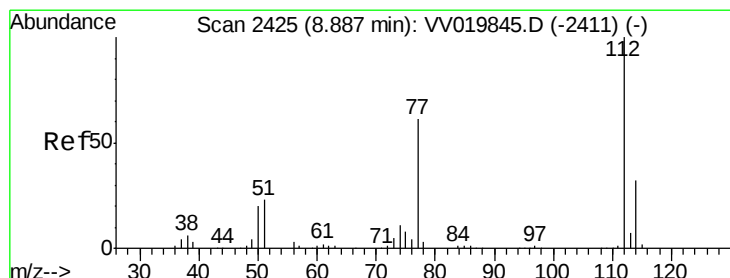
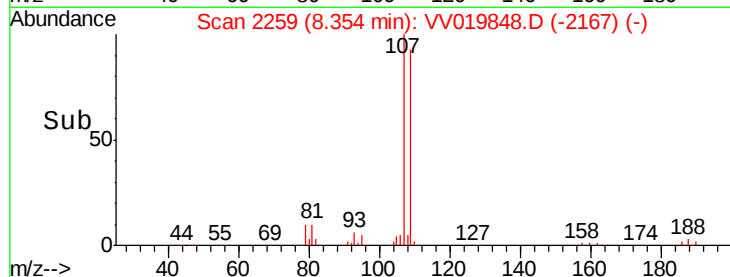
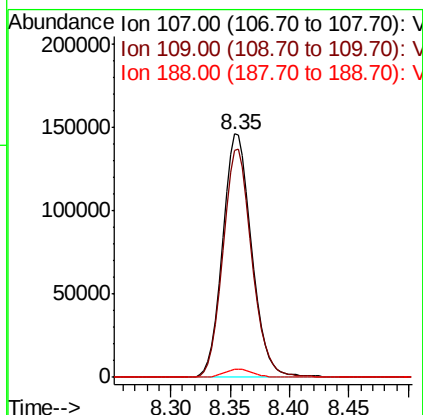
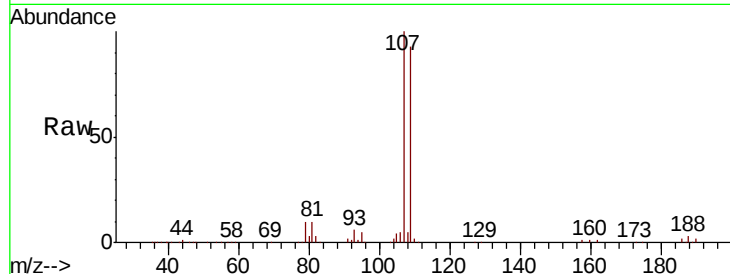




#50
 1,2-Dibromoethane
 Concen: 51.428 ug/L
 RT: 8.35 min Scan# 2259
 Delta R.T. -0.00 min
 Lab File: VV019848.D
 Acq: 28 Dec 2020 14:03

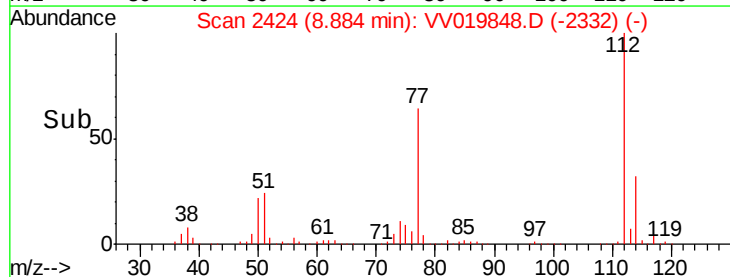
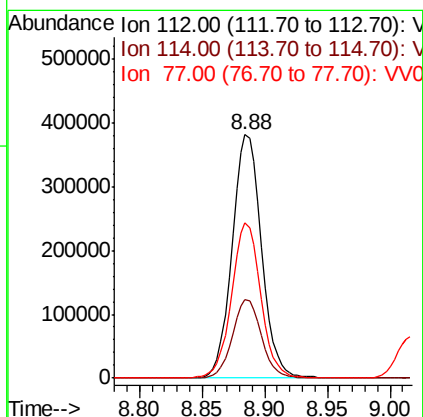
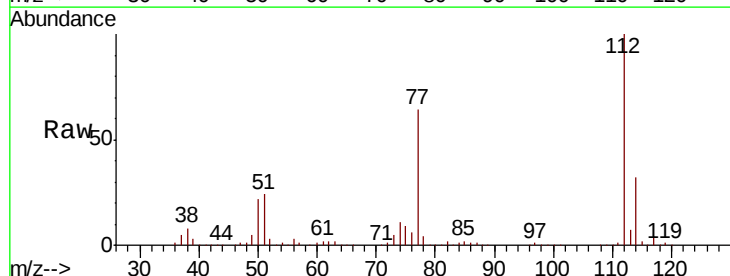
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB74

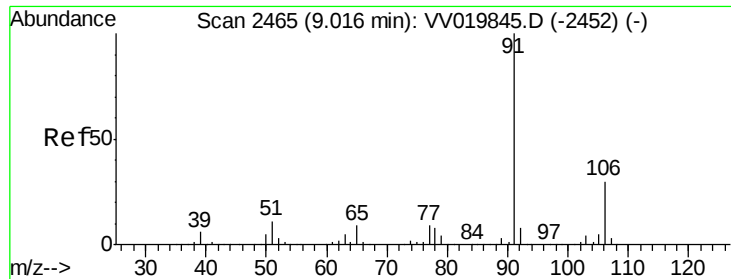
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	66.2	123.0
188	3.2	2.6	3.8



#51
 Chlorobenzene
 Concen: 51.210 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: VV019848.D
 Acq: 28 Dec 2020 14:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.2	41.2
77	63.7	49.0	73.6





#52

Ethylbenzene

Concen: 51.314 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

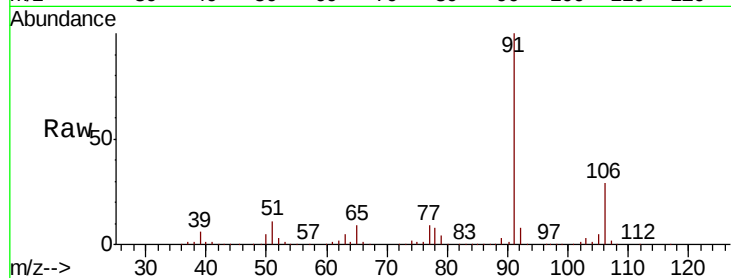
BFB74

Tot Ion: 91 Resp: 1099087

Ion Ratio Lower Upper

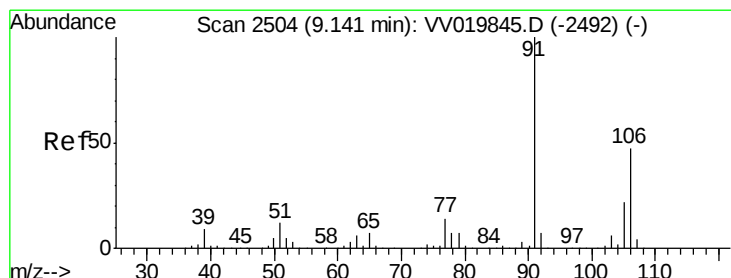
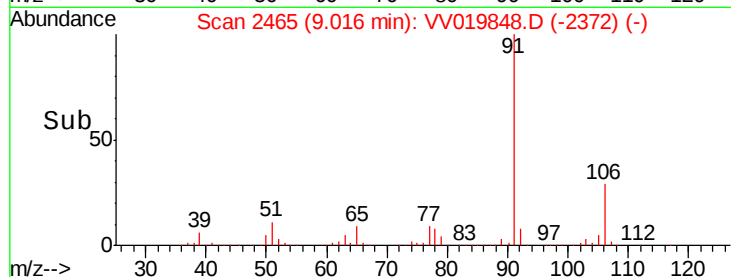
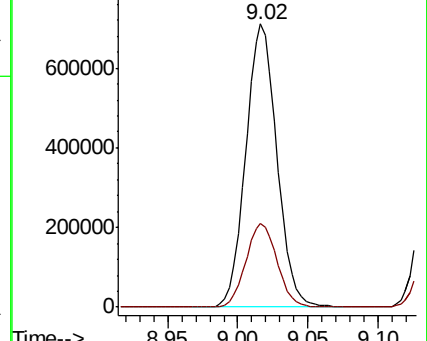
91 100

106 29.4 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VV019848.D (-2452) (-)

Ion 106.00 (105.70 to 106.70): VV019848.D (-2452) (-)



#53

m,p-Xylene

Concen: 50.882 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019848.D

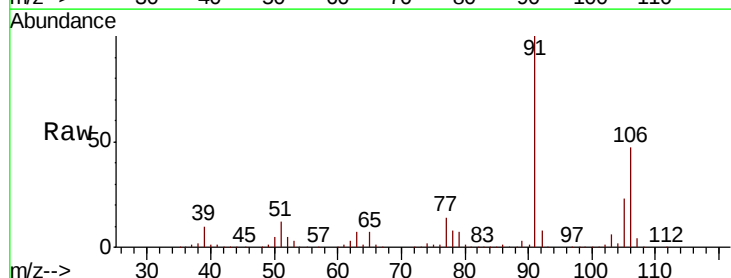
Acq: 28 Dec 2020 14:03

Tgt Ion: 106 Resp: 396956

Ion Ratio Lower Upper

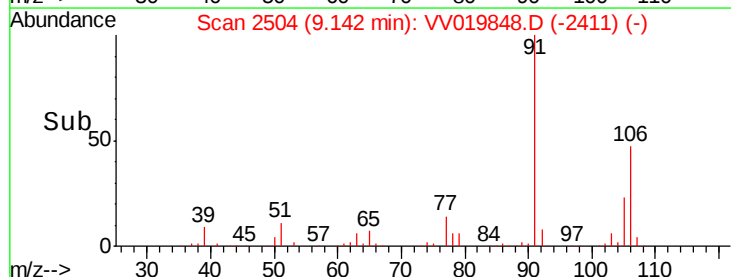
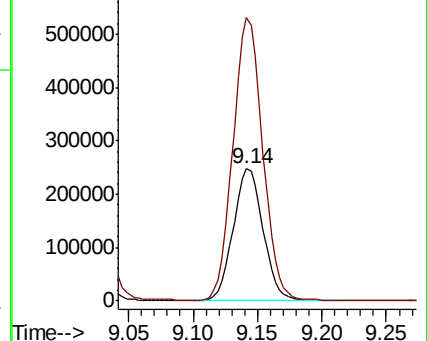
106 100

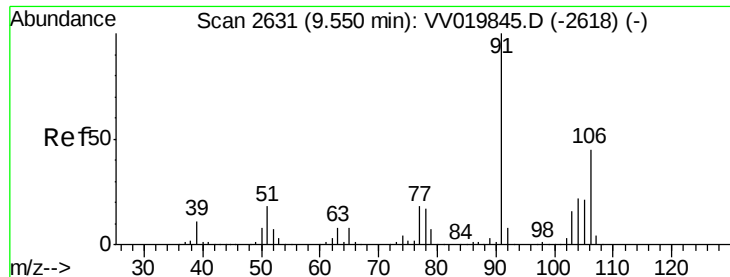
91 214.6 148.1 275.0



Abundance Ion 106.00 (105.70 to 106.70): VV019848.D (-2492) (-)

Ion 91.00 (90.70 to 91.70): VV019848.D (-2492) (-)





#54

o-xylene

Concen: 51.705 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

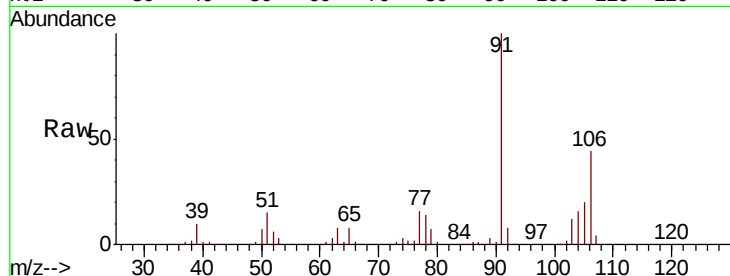
BFB74

Tot Ion:106 Resp: 394361

Ion Ratio Lower Upper

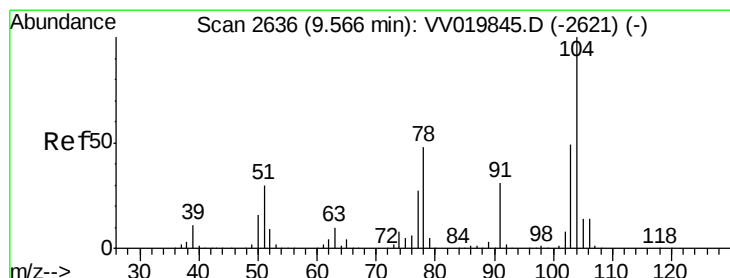
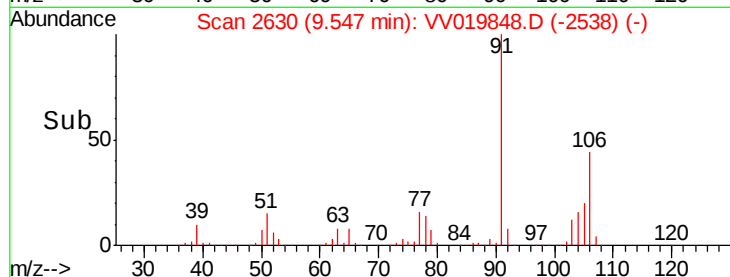
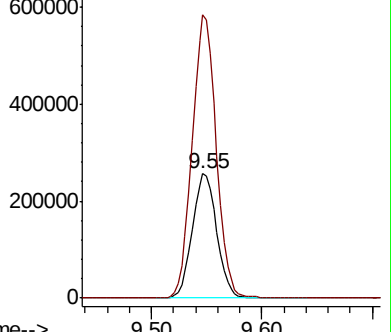
106 100

91 227.5 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.066 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019848.D

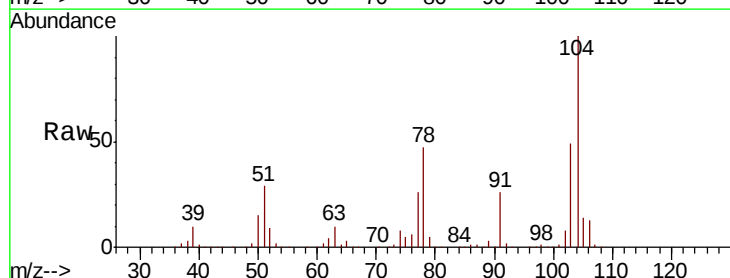
Acq: 28 Dec 2020 14:03

Tgt Ion:104 Resp: 703428

Ion Ratio Lower Upper

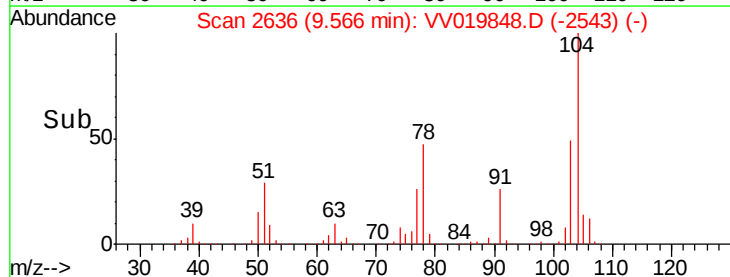
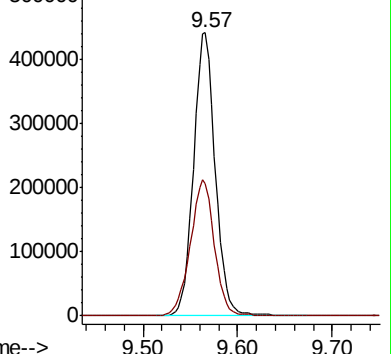
104 100

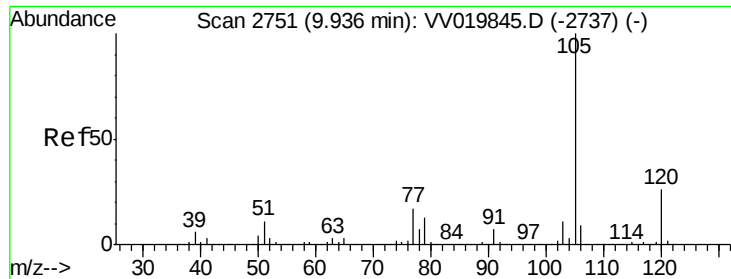
78 46.7 33.7 62.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.318 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

BFB74

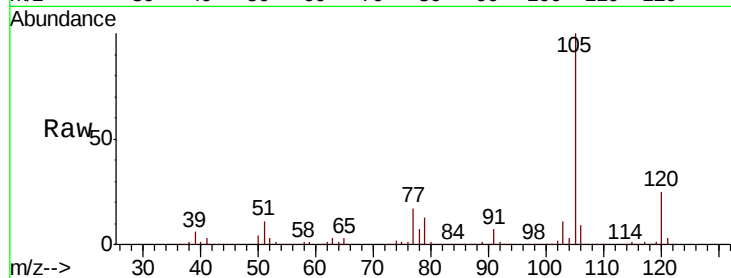
Tot Ion:105 Resp: 1048264

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

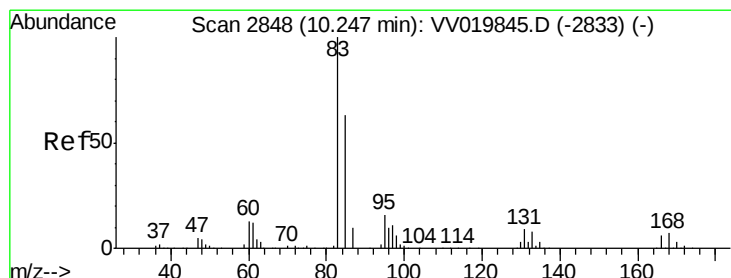
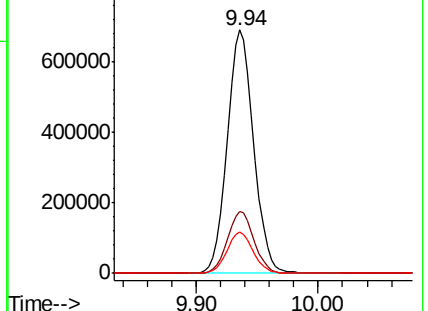
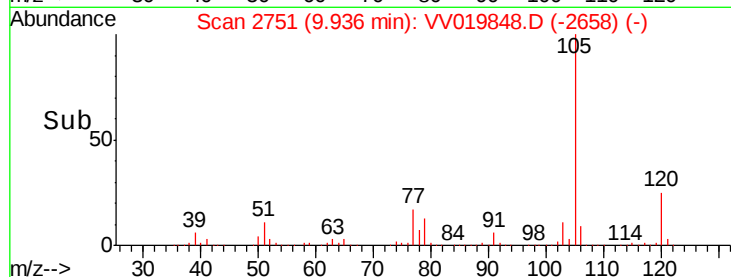
77 16.7 13.6 20.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 51.576 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

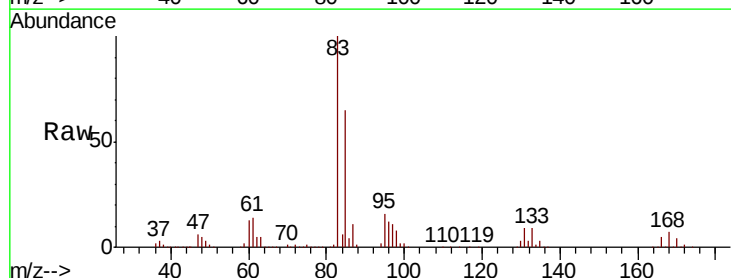
Tgt Ion: 83 Resp: 374965

Ion Ratio Lower Upper

83 100

85 64.6 44.3 82.3

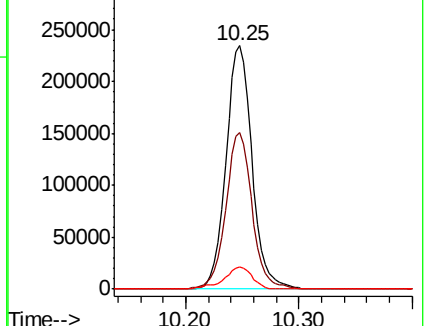
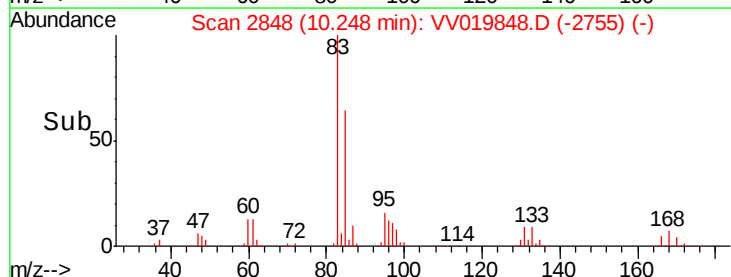
131 9.0 7.3 10.9

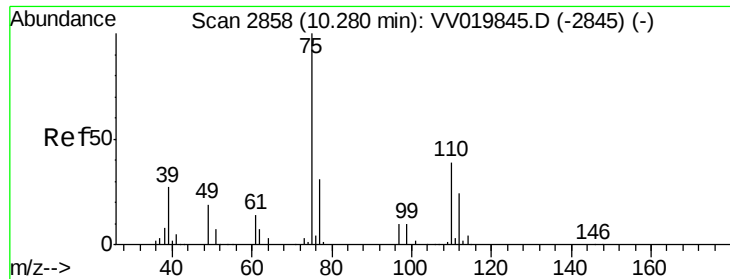


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.794 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

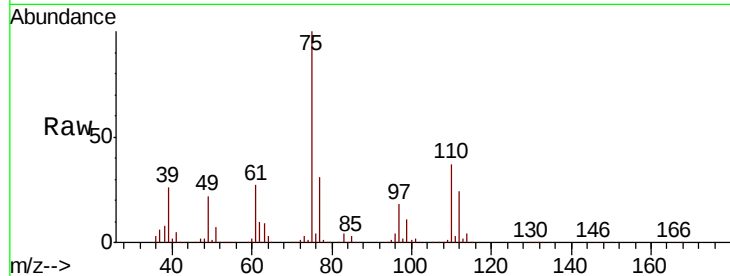
BFB74

Tot Ion: 75 Resp: 322223

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV019845.D (-2845) (-)

Ion 77.00 (76.70 to 77.70): VV019845.D (-2845) (-)

10.28

200000

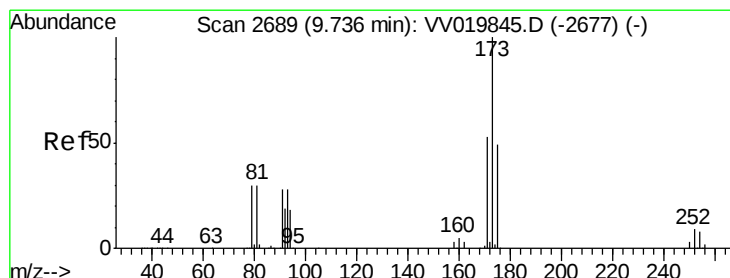
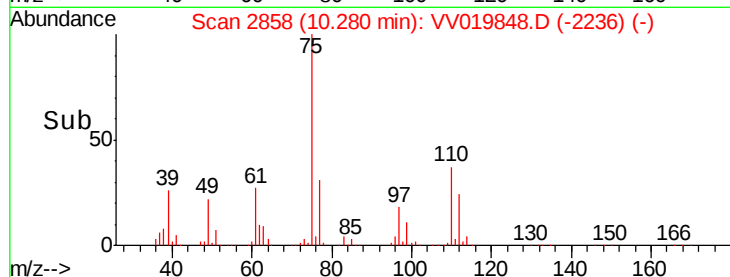
150000

100000

50000

0

Time--> 10.20 10.30



#61

Bromoform

Concen: 51.191 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

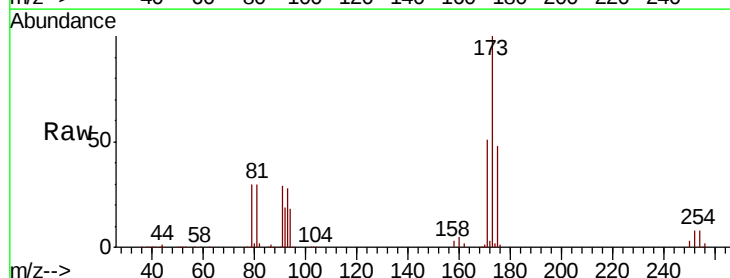
Tgt Ion: 173 Resp: 157130

Ion Ratio Lower Upper

173 100

175 48.5 38.6 57.8

254 7.9 6.5 9.7



Abundance Ion 173.00 (172.70 to 173.70): VV019845.D (-2677) (-)

Ion 175.00 (174.70 to 175.70): VV019845.D (-2677) (-)

Ion 254.00 (253.70 to 254.70): VV019845.D (-2677) (-)

9.74

120000

100000

80000

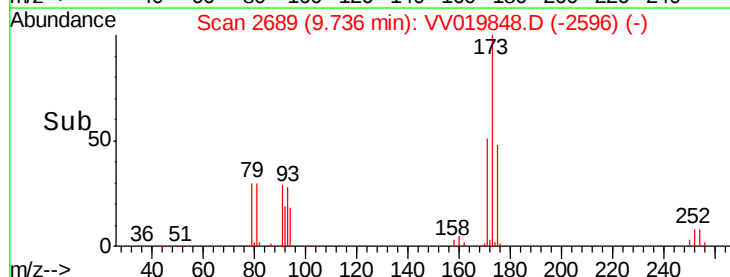
60000

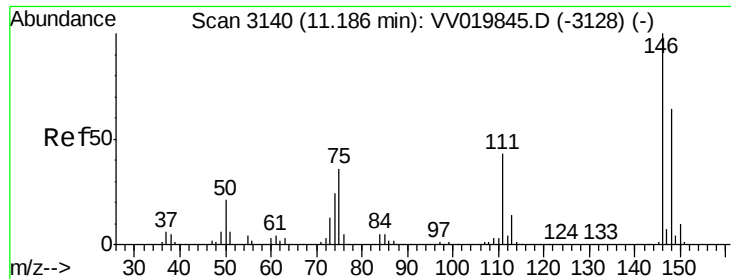
40000

20000

0

Time--> 9.65 9.70 9.75 9.80

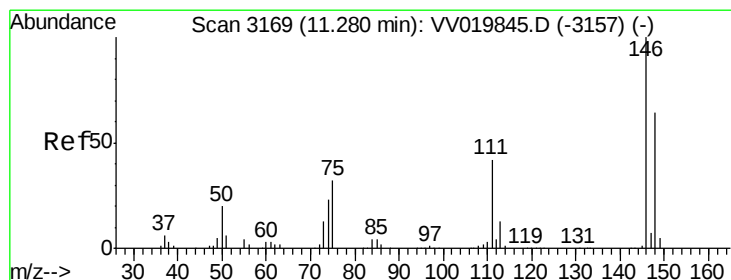
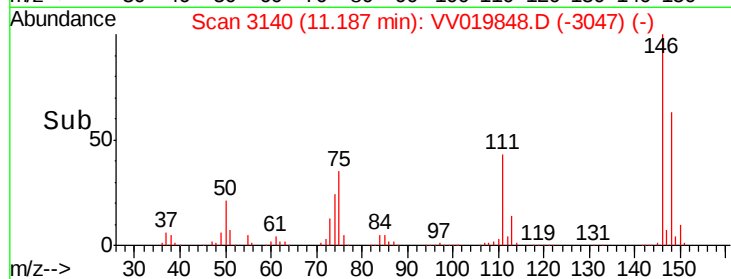
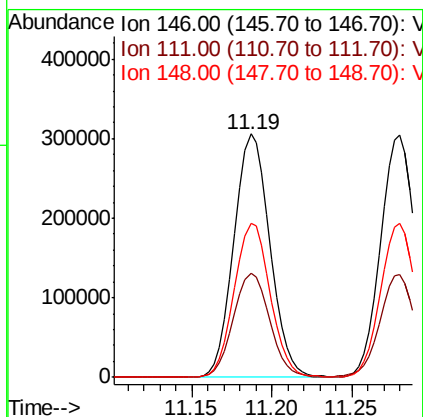
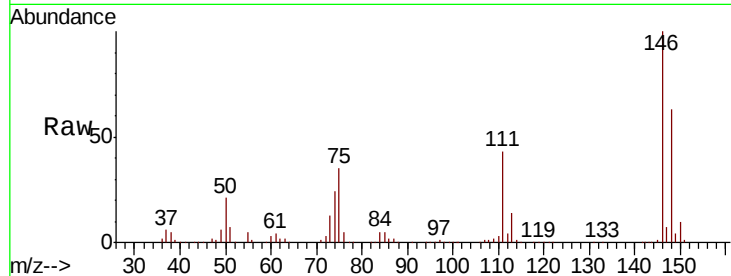




#62
 1,3-Dichlorobenzene
 Concen: 51.639 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019848.D
 Acq: 28 Dec 2020 14:03

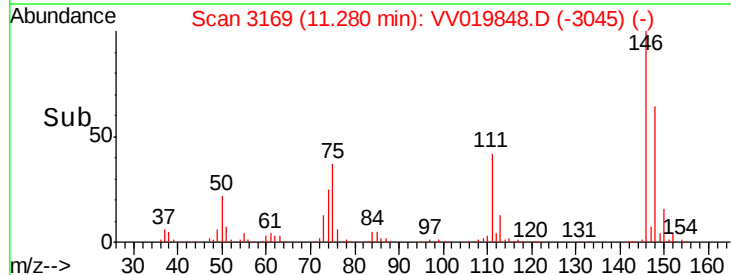
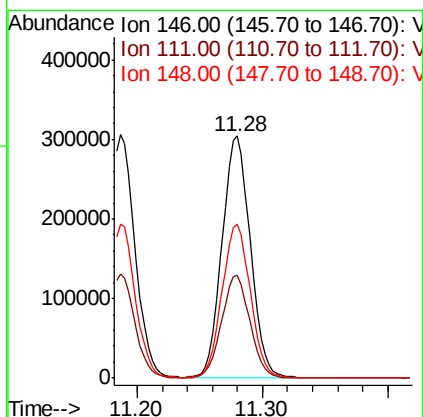
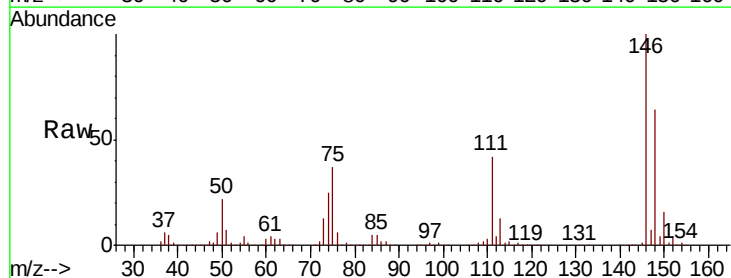
Instrument :
 MSVOA_V
 ClientSampled :
 BFB74

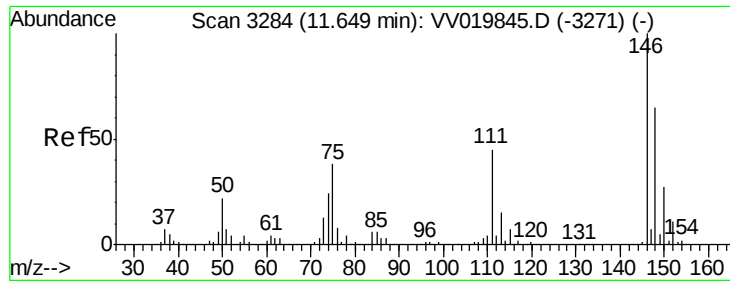
Tot Ion:146 Resp: 469176
 Ion Ratio Lower Upper
 146 100
 111 42.8 30.2 56.2
 148 63.1 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 50.862 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019848.D
 Acq: 28 Dec 2020 14:03

Tgt Ion:146 Resp: 475284
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.4 54.6
 148 63.7 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 50.600 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

BFB74

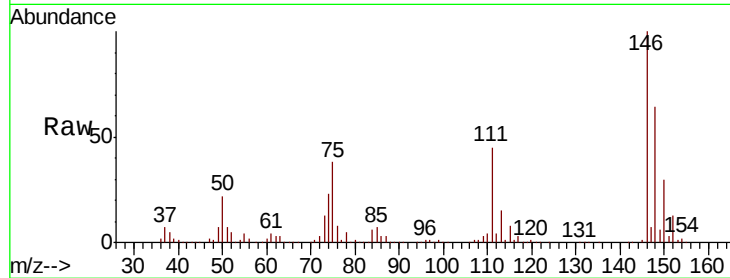
Tot Ion:146 Resp: 469292

Ion Ratio Lower Upper

146 100

111 45.0 36.3 54.5

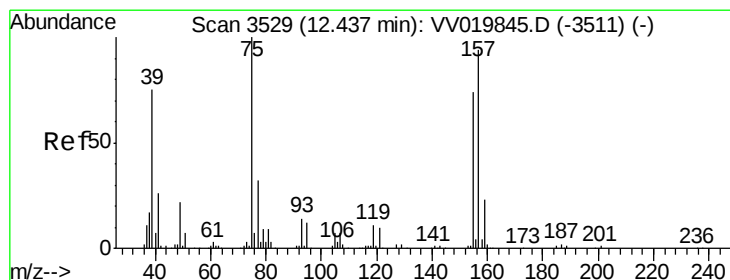
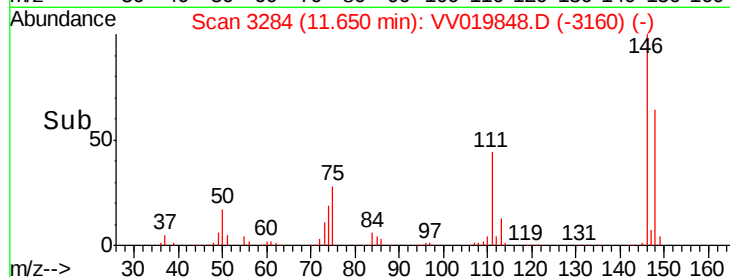
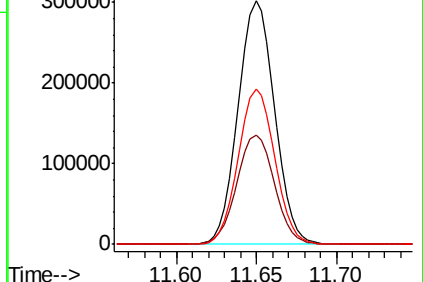
148 63.7 51.7 77.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 52.633 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

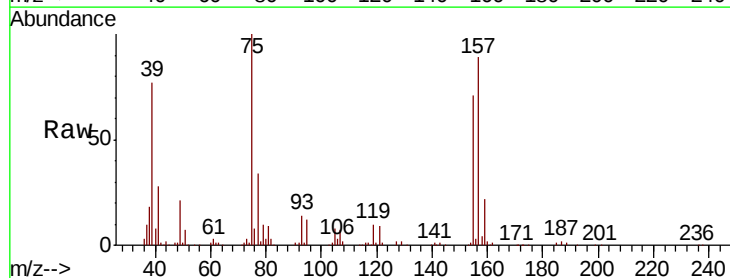
Tgt Ion: 75 Resp: 92918

Ion Ratio Lower Upper

75 100

155 71.5 59.1 88.7

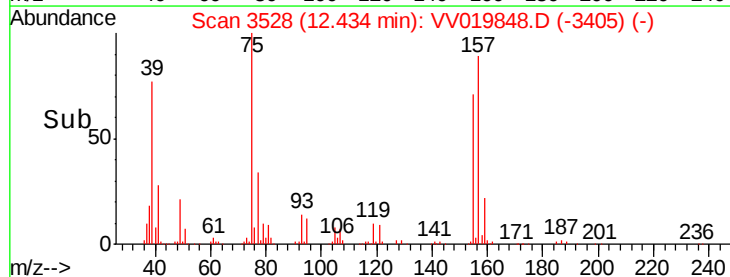
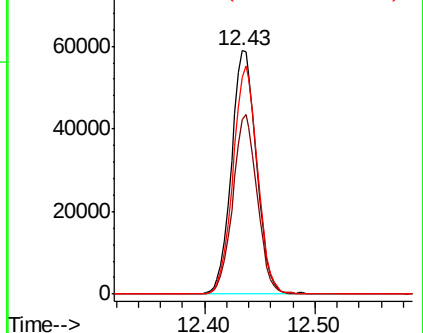
157 88.9 75.4 113.0

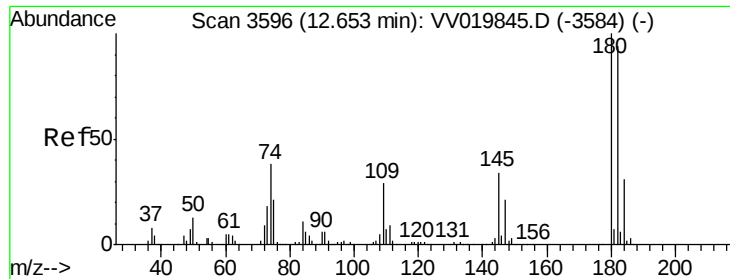


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

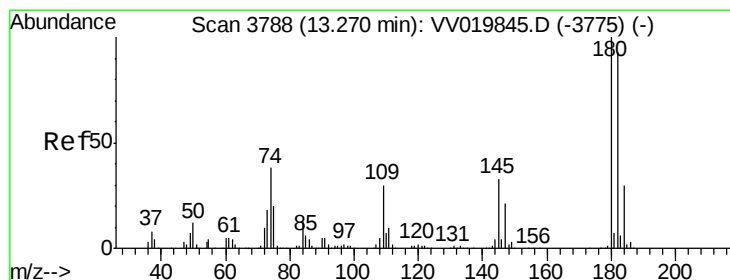
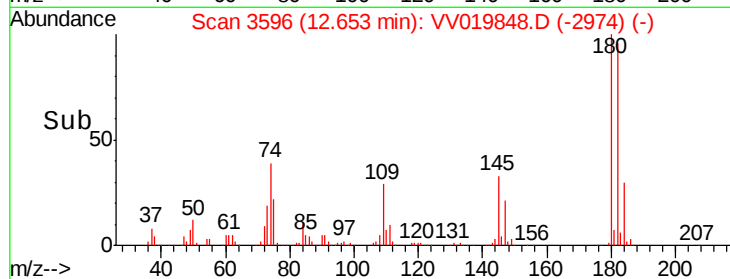
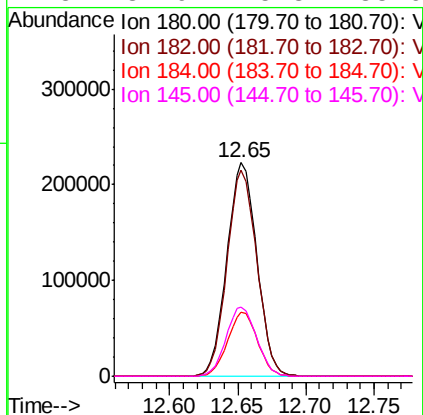
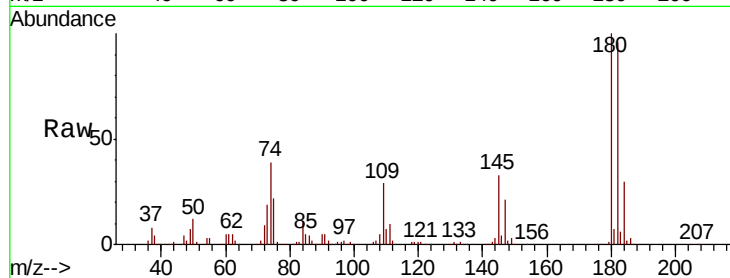




#67
 1,3,5-Trichlorobenzene
 Concen: 52.007 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019848.D
 Acq: 28 Dec 2020 14:03

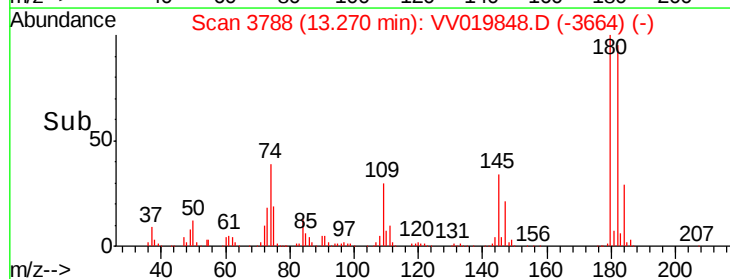
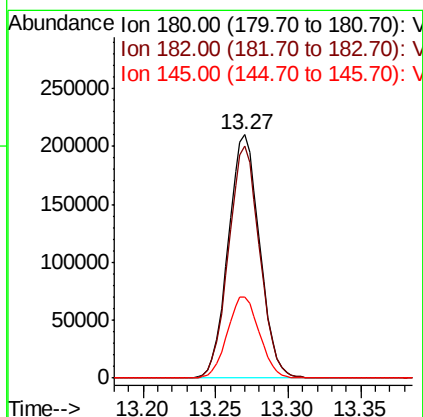
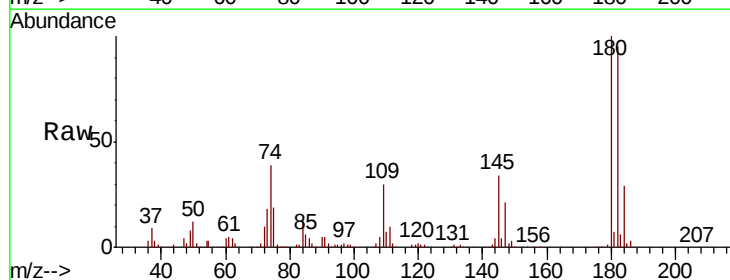
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB74

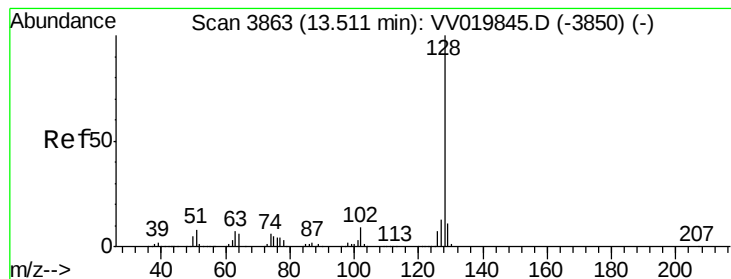
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.0	112.6
184	29.9	24.0	36.0
145	32.9	25.8	38.6



#68
 1,2,4-trichlorobenzene
 Concen: 53.943 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019848.D
 Acq: 28 Dec 2020 14:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.1	112.7
145	34.1	26.8	40.2





#69

Naphthalene

Concen: 55.555 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

BFB74

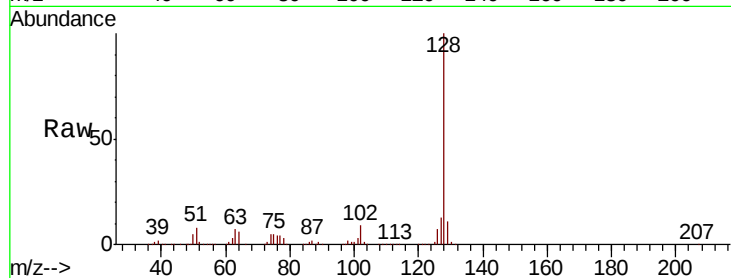
Tot Ion:128 Resp: 1019881

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

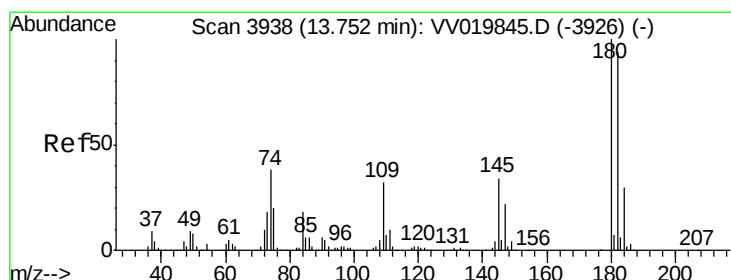
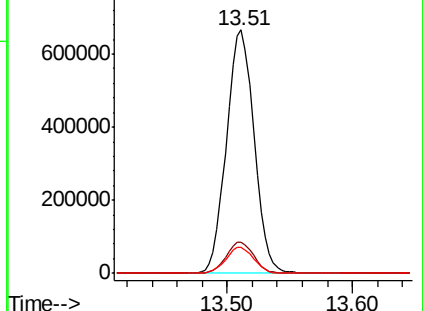
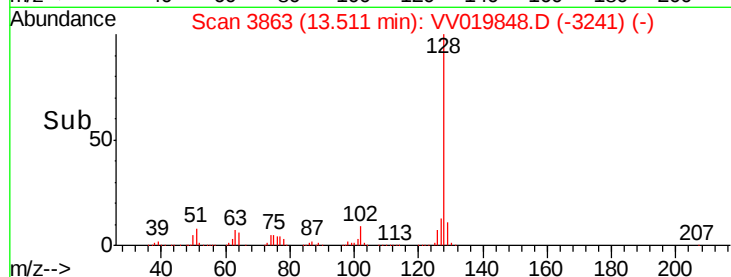
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.653 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019848.D

Acq: 28 Dec 2020 14:03

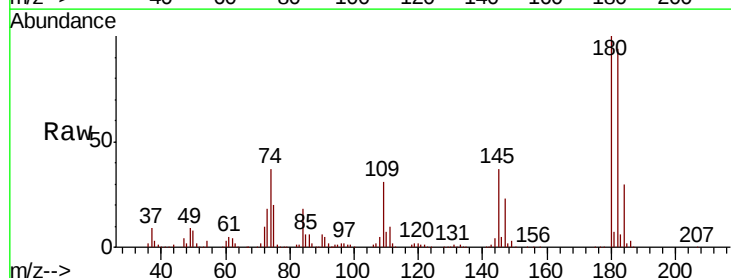
Tgt Ion:180 Resp: 304350

Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

145 36.2 27.9 41.9



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

