

Data File : VV015142.D
Acq On : 25 Mar 2020 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB72

Quant Time: Mar 26 01:45:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 25 19:57:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	748107	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	726616	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	349953	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	260520	41.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.30%
7) Chloroethane-d5	1.58	69	244503	43.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.30%
11) 1,1-Dichloroethene-d2	2.12	63	547590	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.88%
21) 2-Butanone-d5	3.93	46	348537	84.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.91%
24) Chloroform-d	4.37	84	456095	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.92%
26) 1,2-Dichloroethane-d4	5.06	65	290296	43.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.24%
32) Benzene-d6	5.07	84	889327	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.90%
36) 1,2-Dichloropropane-d6	6.09	67	280966	42.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.52%
41) Toluene-d8	7.33	98	863428	43.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.24%
43) trans-1,3-Dichloropropene-	7.64	79	156956	43.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.20%
47) 2-Hexanone-d5	8.11	63	277980	83.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.47%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	413524	42.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	327509	41.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	286383	49.445 ug/L	99
3) Chloromethane	1.25	50	300981	48.786 ug/L	99
5) Vinyl chloride	1.32	62	314511	50.018 ug/L	99
6) Bromomethane	1.53	94	197433	49.386 ug/L	96
8) Chloroethane	1.60	64	203520	44.601 ug/L	99
9) Trichlorofluoromethane	1.77	101	505299	51.125 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	268785	51.425 ug/L	99
12) 1,1-Dichloroethene	2.13	96	248711	49.420 ug/L	93
13) Acetone	2.13	43	3041	1.411 ug/L	77
14) Carbon disulfide	2.31	76	623014	46.631 ug/L	99
15) Methyl Acetate	2.46	43	226249	46.700 ug/L	99
16) Methylene chloride	2.52	84	238805	49.192 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	215358	48.341 ug/L	97
18) Methyl tert-butyl Ether	2.79	73	748235	50.036 ug/L	99
19) 1,1-Dichloroethane	3.21	63	405320	49.917 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	242197	49.204 ug/L	98
22) 2-Butanone	4.01	43	348459	99.216 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	117815	47.722	ug/L	96
25) Chloroform	4.40	83	422681	49.776	ug/L	98
27) 1,2-Dichloroethane	5.15	62	332047	50.468	ug/L	99
29) Cyclohexane	4.70	56	388468	50.774	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	389673	49.448	ug/L	99
31) Carbon tetrachloride	4.85	117	339826	49.939	ug/L	99
33) Benzene	5.12	78	920636	49.235	ug/L	100
34) Trichloroethene	5.94	95	248637	50.186	ug/L	94
35) Methylcyclohexane	6.15	83	418926	50.327	ug/L	99
37) 1,2-Dichloropropane	6.20	63	235556	49.876	ug/L	100
38) Bromodichloromethane	6.53	83	335604	49.662	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	409346	50.267	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	679889	95.042	ug/L	99
42) Toluene	7.41	91	1033819	49.743	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	393899	49.833	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	231464	49.786	ug/L	99
46) Tetrachloroethene	8.00	164	173183	48.986	ug/L	98
48) 2-Hexanone	8.16	43	549108	100.704	ug/L	98
49) Dibromochloromethane	8.27	129	265094	50.056	ug/L	99
50) 1,2-Dibromoethane	8.37	107	250196	48.919	ug/L	98
51) Chlorobenzene	8.90	112	672475	49.885	ug/L	98
52) Ethylbenzene	9.03	91	1202533	51.586	ug/L	99
53) m,p-Xylene	9.16	106	458430	50.015	ug/L	98
54) o-xylene	9.56	106	458730	51.269	ug/L	98
55) Styrene	9.58	104	781269	51.182	ug/L	100
56) Isopropylbenzene	9.95	105	1200596	51.503	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	381793	48.780	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	307251	48.834	ug/L	100
61) Bromoform	9.75	173	173380	47.605	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	513628	50.111	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	510281	48.867	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	511617	49.474	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	105078	46.788	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	344354	49.855	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	318008	48.899	ug/L	99
69) Naphthalene	13.52	128	1209599	48.619	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	319224	49.395	ug/L	100

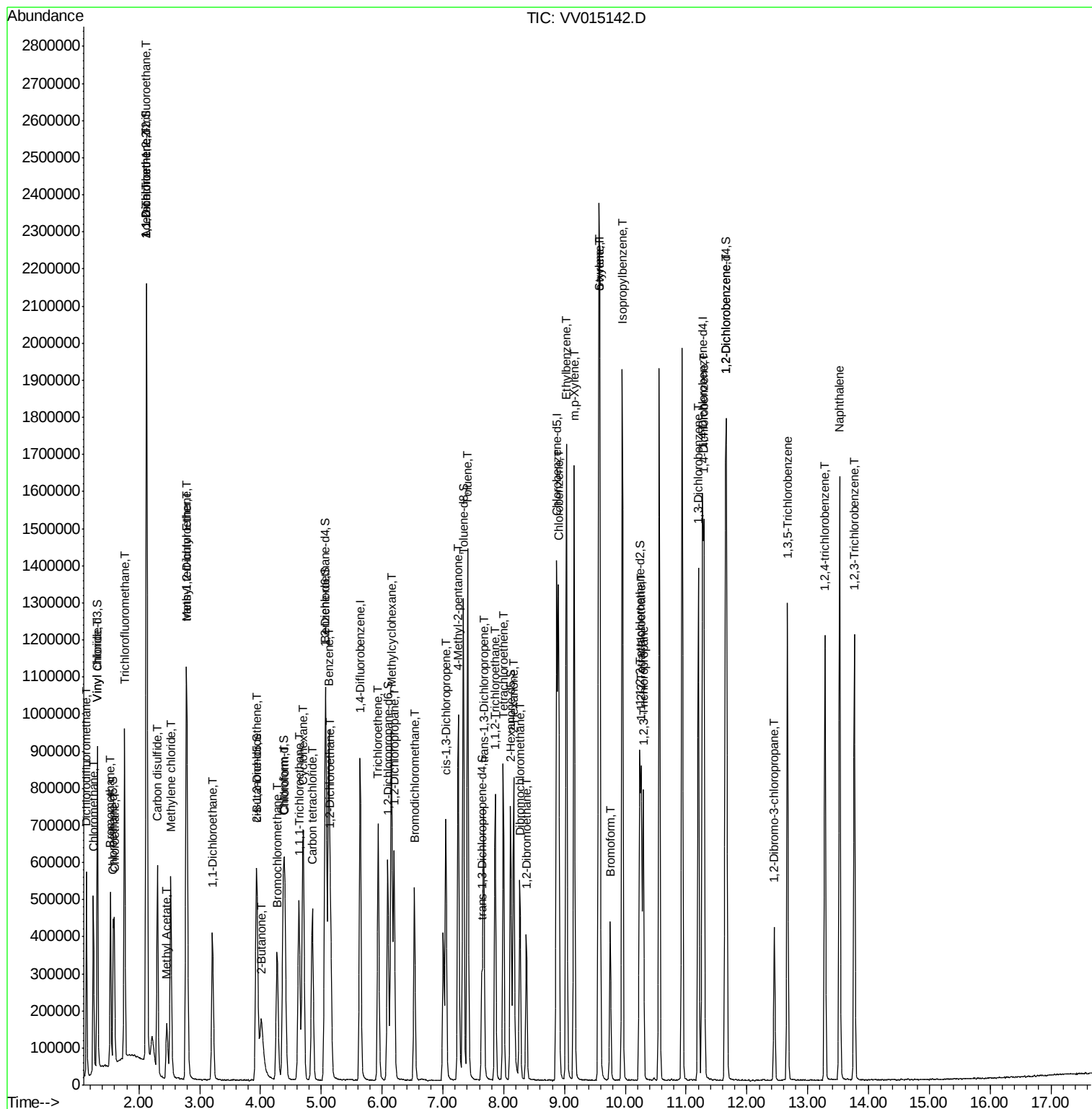
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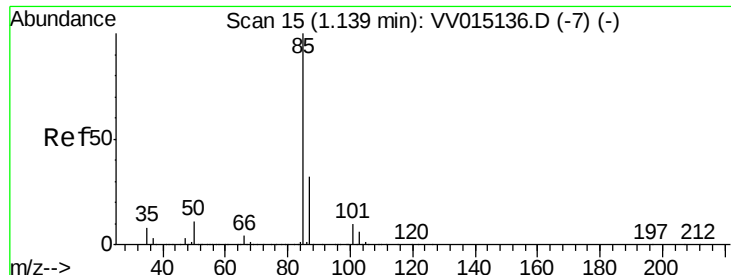
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#2

Dichlorodifluoromethane

Concen: 49.445 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampleId :

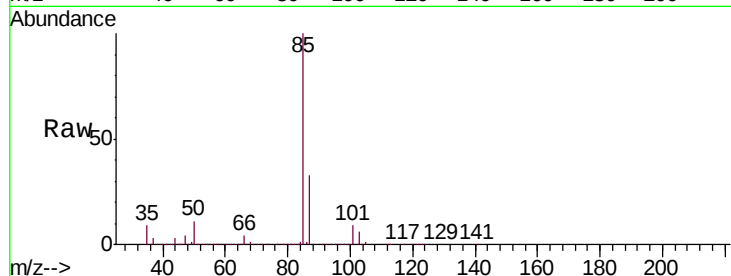
BFB72

Tgt Ion: 85 Resp: 286383

Ion Ratio Lower Upper

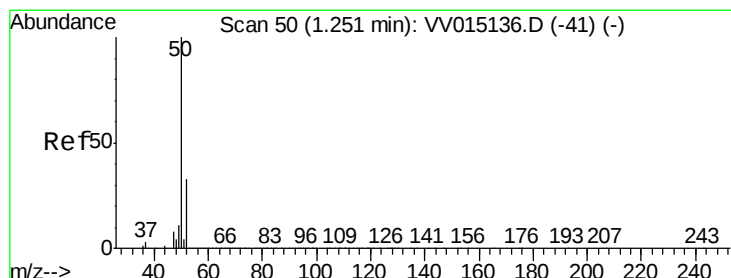
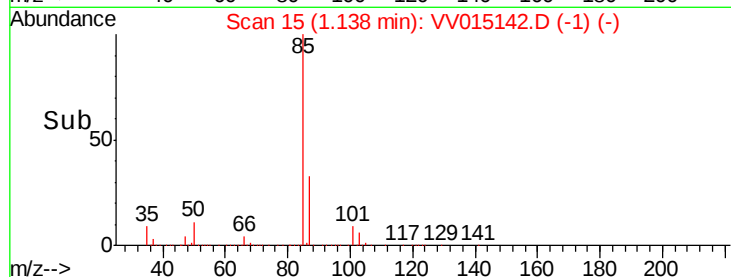
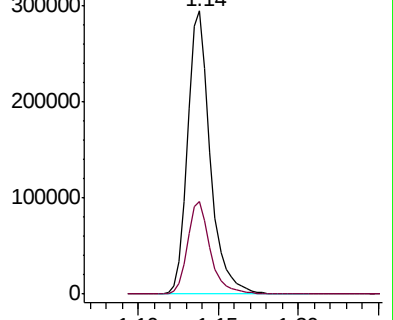
85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV015136.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV015136.D (-7) (-)



#3

Chloromethane

Concen: 48.786 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV015142.D

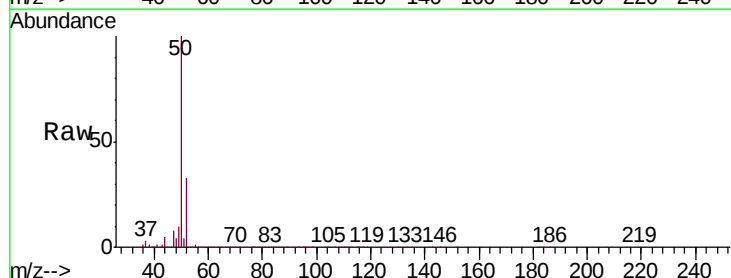
Acq: 25 Mar 2020 17:41

Tgt Ion: 50 Resp: 300981

Ion Ratio Lower Upper

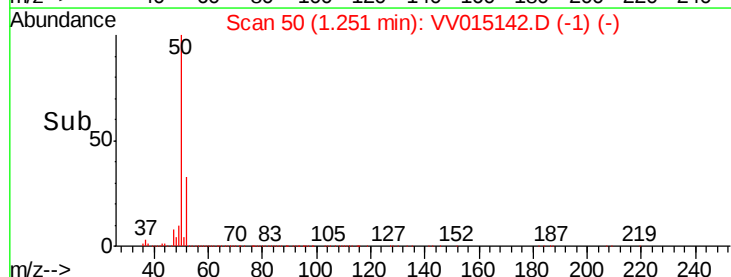
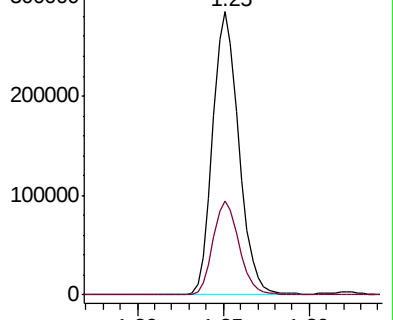
50 100

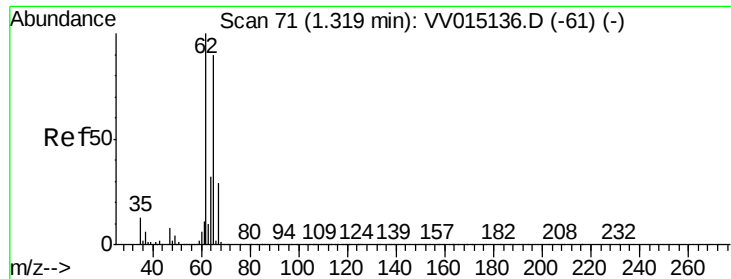
52 33.3 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV015136.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV015136.D (-41) (-)





#5

Vinyl chloride

Concen: 50.018 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

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ClientSampleId :

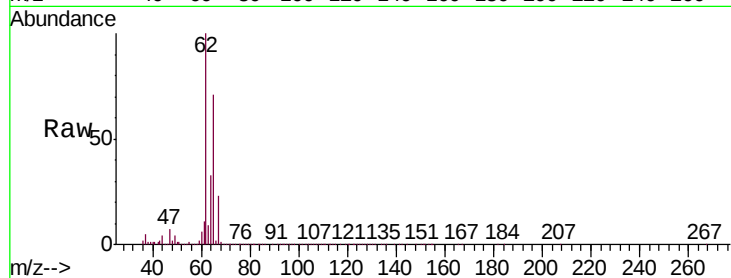
BFB72

Tgt Ion: 62 Resp: 314511

Ion Ratio Lower Upper

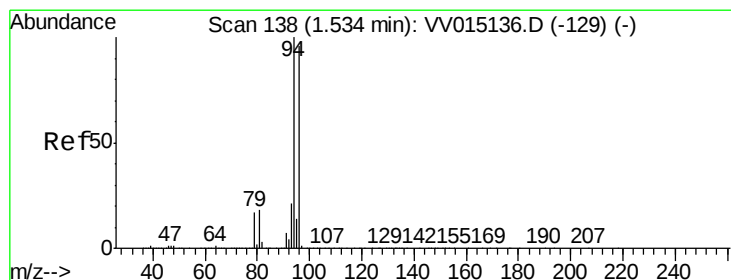
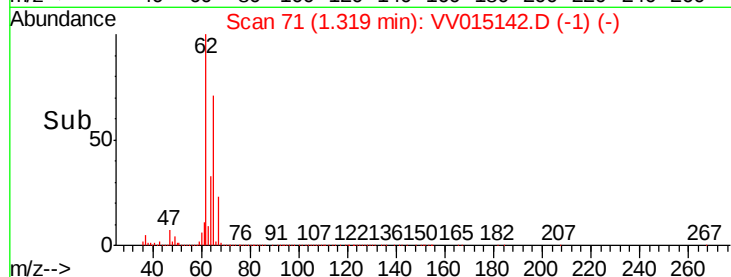
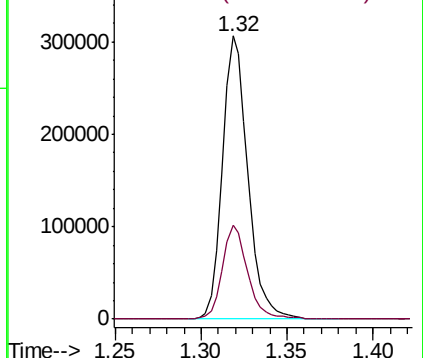
62 100

64 33.0 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 49.386 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV015142.D

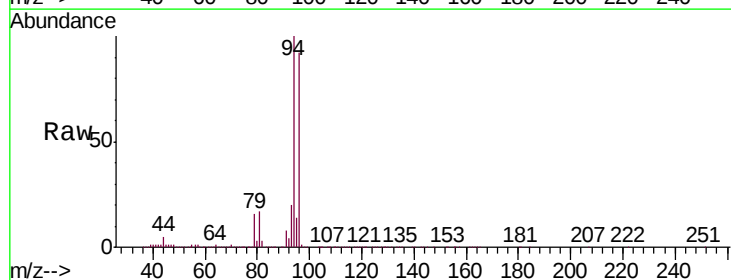
Acq: 25 Mar 2020 17:41

Tgt Ion: 94 Resp: 197433

Ion Ratio Lower Upper

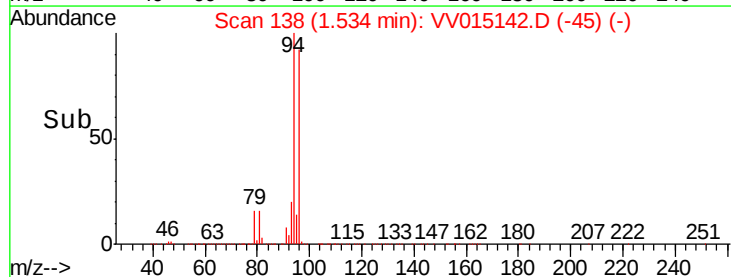
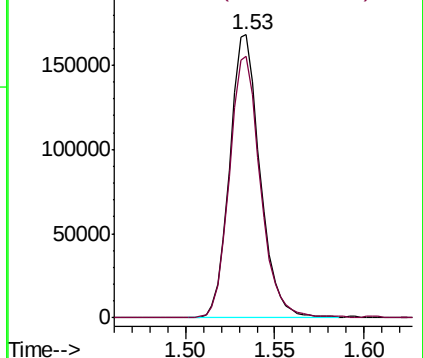
94 100

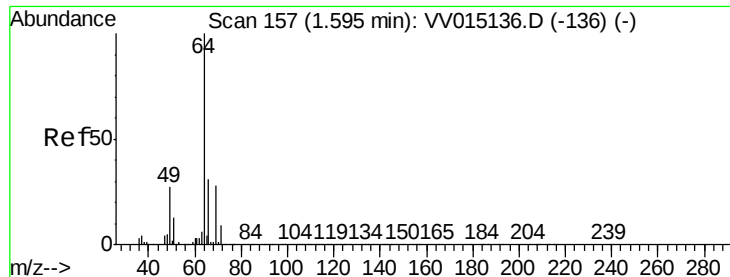
96 92.5 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

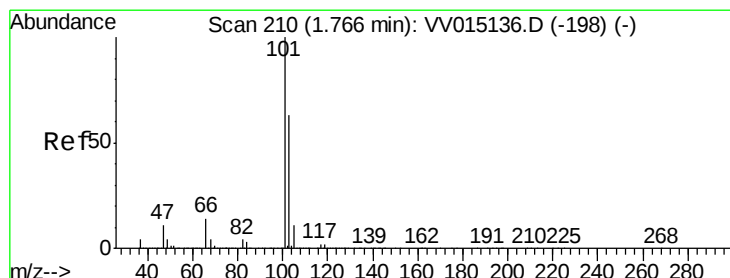
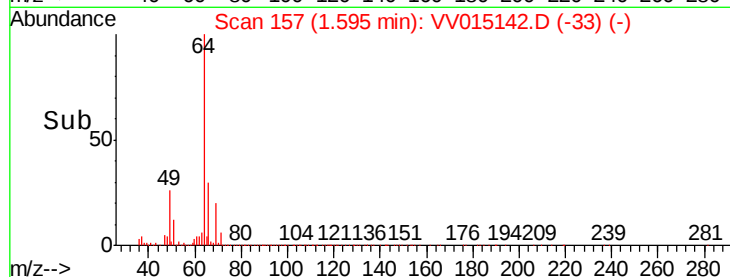
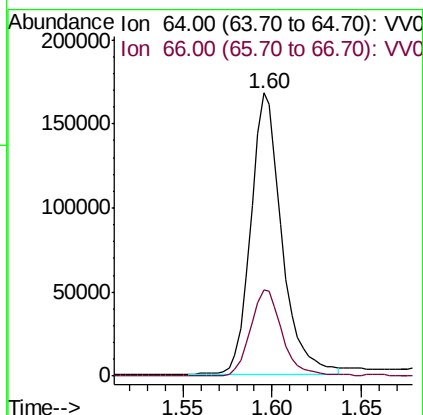
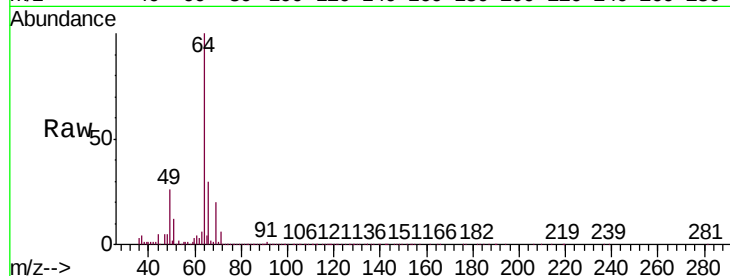




#8
Chloroethane
Concen: 44.601 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

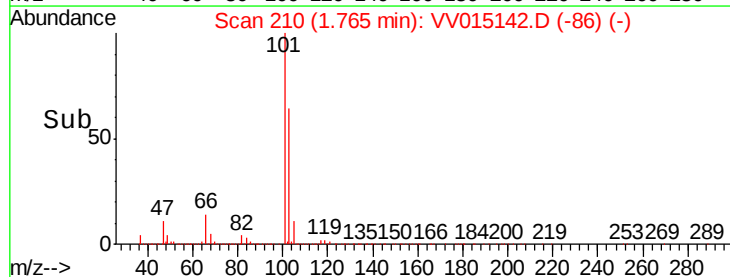
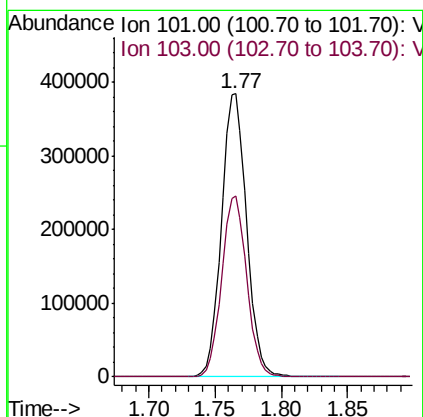
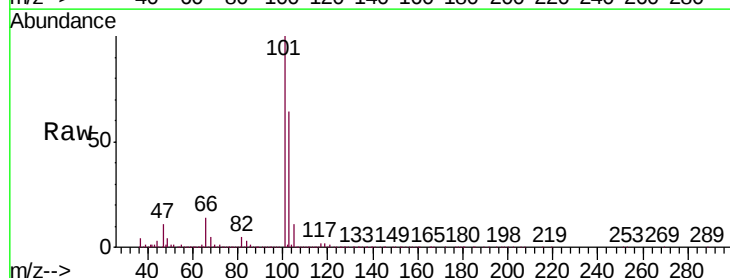
Instrument :
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ClientSampleId :
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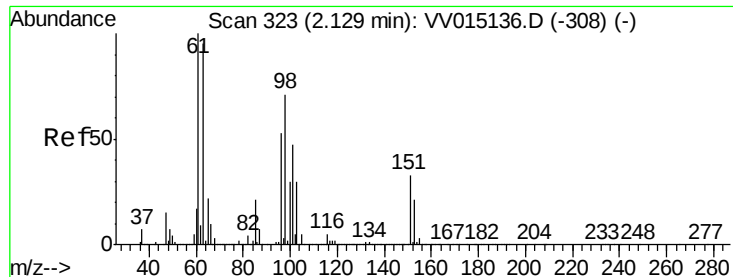
Tgt Ion: 64 Resp: 203520
Ion Ratio Lower Upper
64 100
66 30.4 21.6 40.2



#9
Trichlorofluoromethane
Concen: 51.125 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Tgt Ion: 101 Resp: 505299
Ion Ratio Lower Upper
101 100
103 63.4 51.4 77.0





#10

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

Concen: 51.425 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampleId :

BFB72

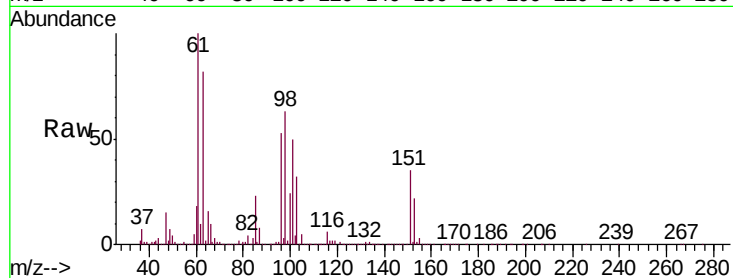
Tgt Ion:101 Resp: 268785

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

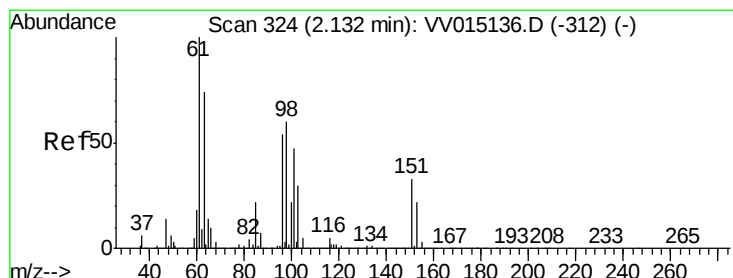
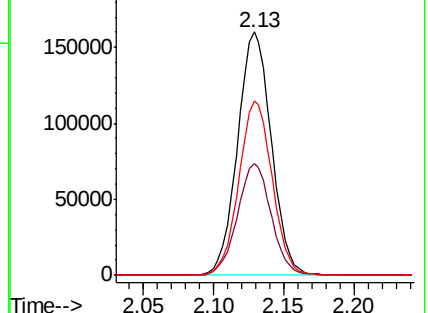
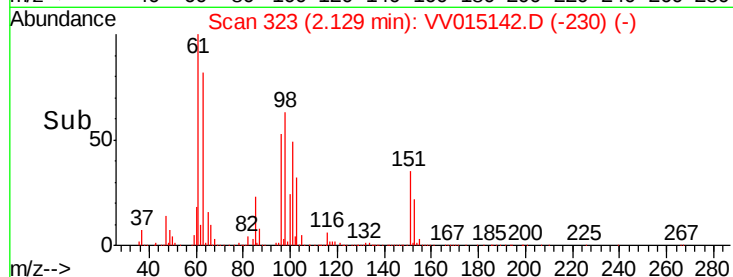
151 70.9 56.2 84.2



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: 49.420 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

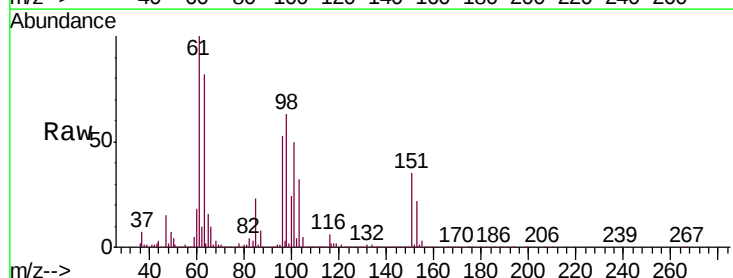
Tgt Ion: 96 Resp: 248711

Ion Ratio Lower Upper

96 100

61 188.0 128.6 238.8

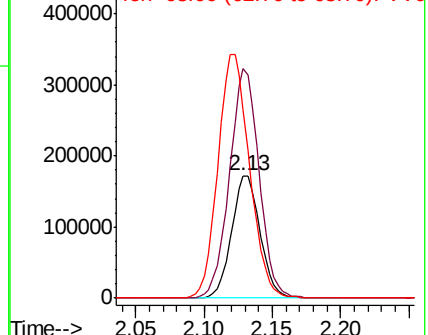
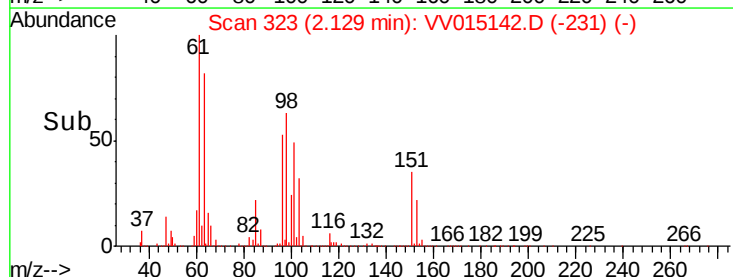
63 154.5 97.5 181.1

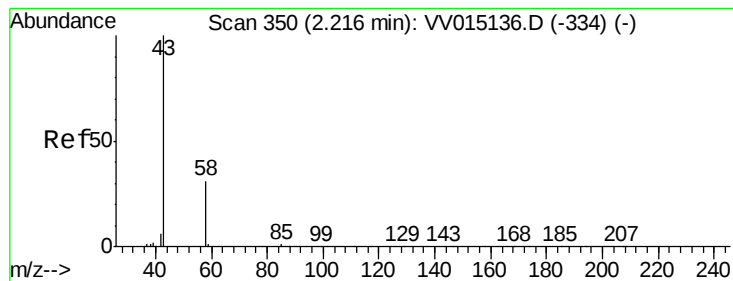


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.411 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.09 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampled :

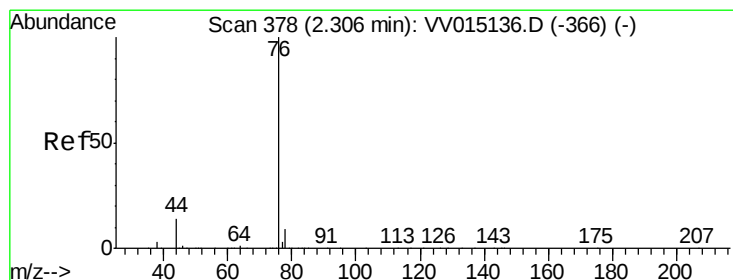
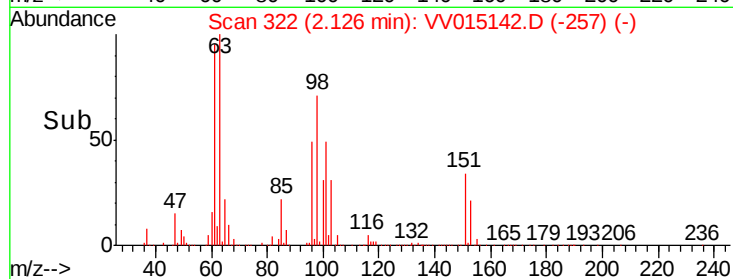
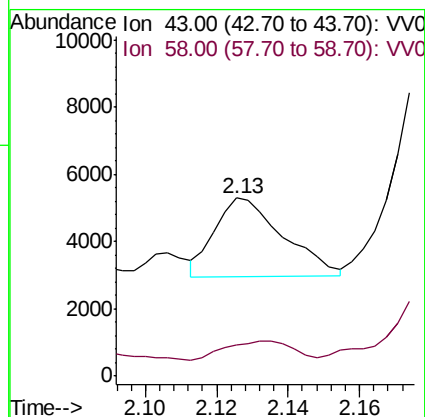
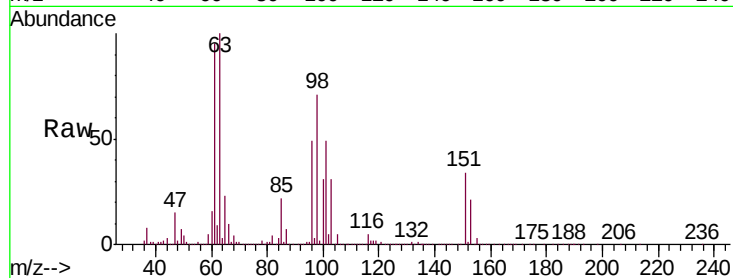
BFB72

Tgt Ion: 43 Resp: 3041

Ion Ratio Lower Upper

43 100

58 23.5 0.0 28.4



#14

Carbon disulfide

Concen: 46.631 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015142.D

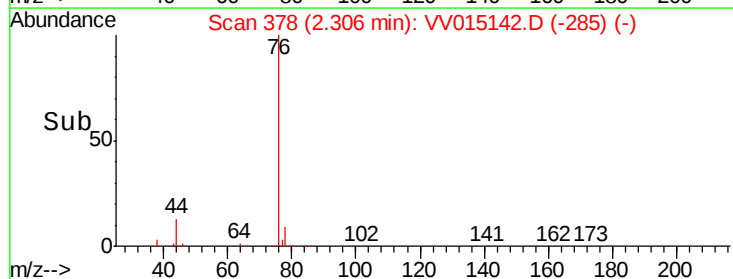
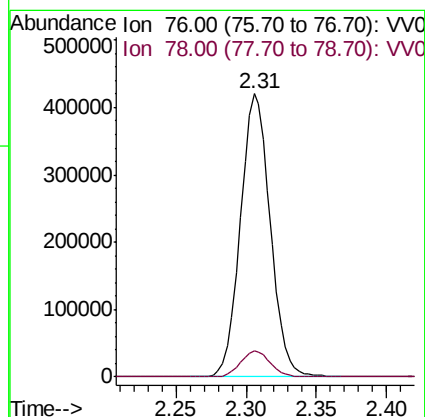
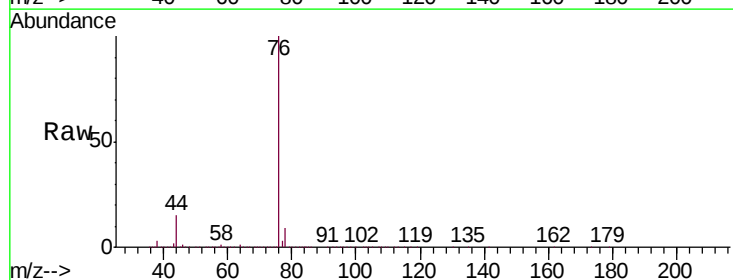
Acq: 25 Mar 2020 17:41

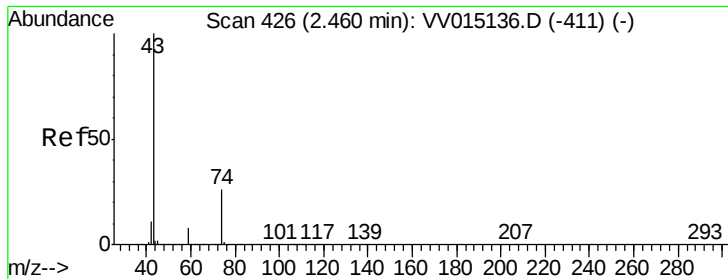
Tgt Ion: 76 Resp: 623014

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

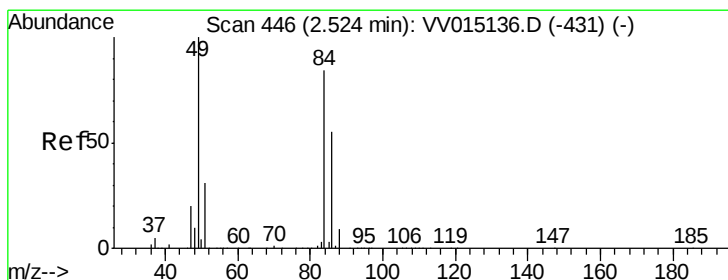
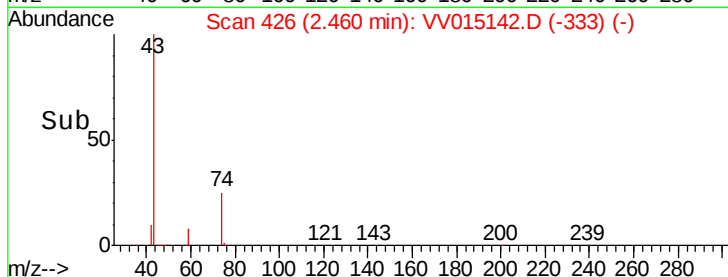
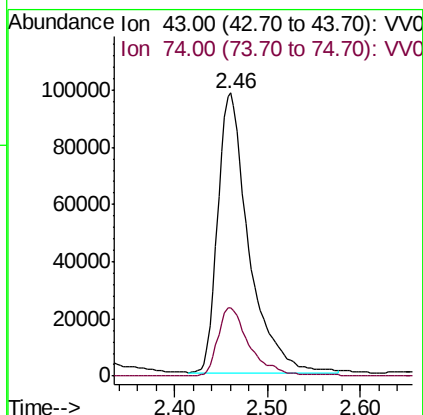
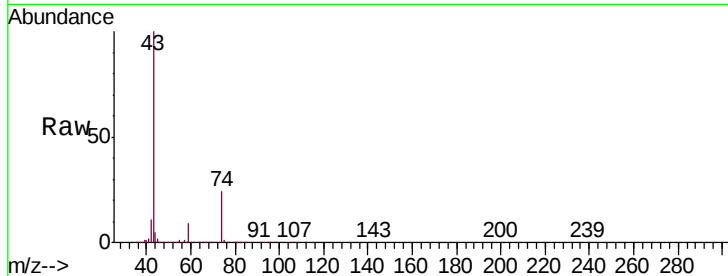




#15
Methyl Acetate
Concen: 46.700 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

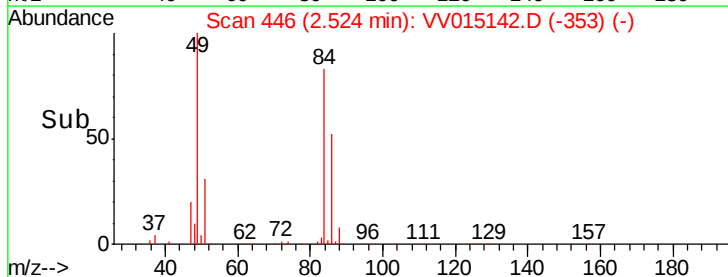
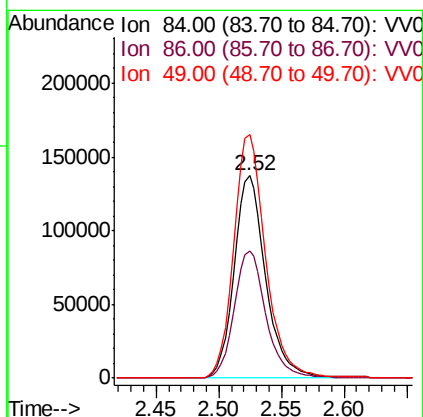
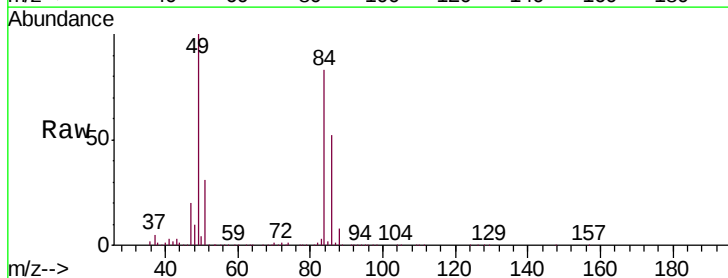
Instrument :
MSVOA_V
ClientSampled :
BFB72

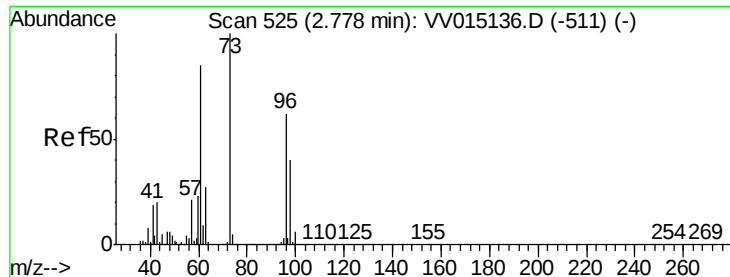
Tgt Ion: 43 Resp: 226249
Ion Ratio Lower Upper
43 100
74 24.8 19.5 29.3



#16
Methylene chloride
Concen: 49.192 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Tgt Ion: 84 Resp: 238805
Ion Ratio Lower Upper
84 100
86 63.0 45.8 85.2
49 120.4 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 48.341 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampleId :

BFB72

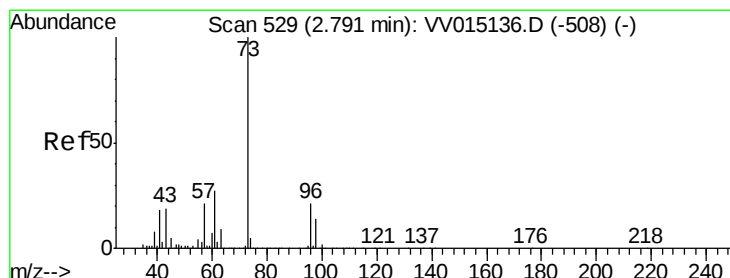
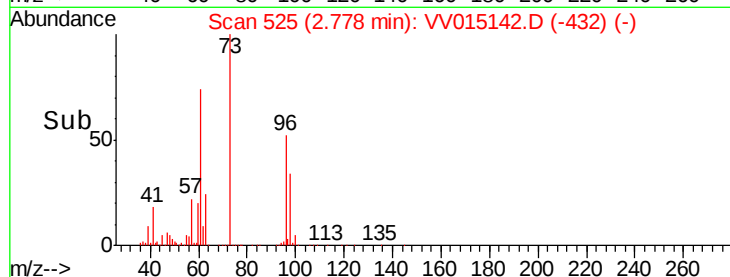
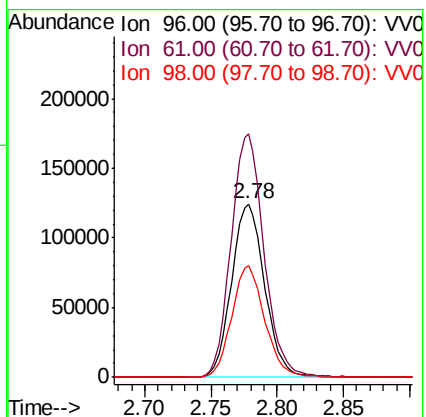
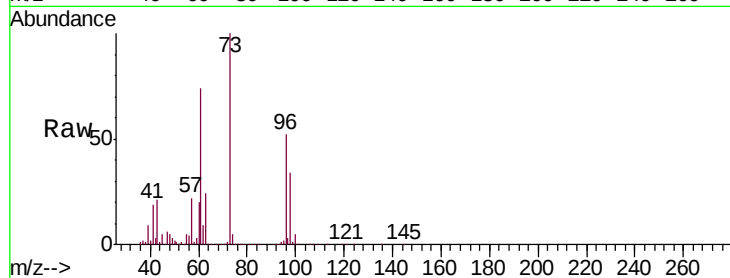
Tgt Ion: 96 Resp: 215358

Ion Ratio Lower Upper

96 100

61 140.5 94.8 176.0

98 64.2 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 50.036 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

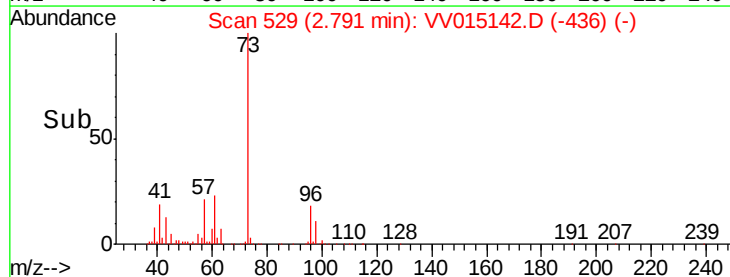
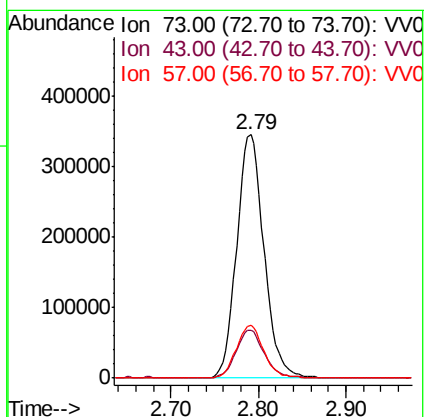
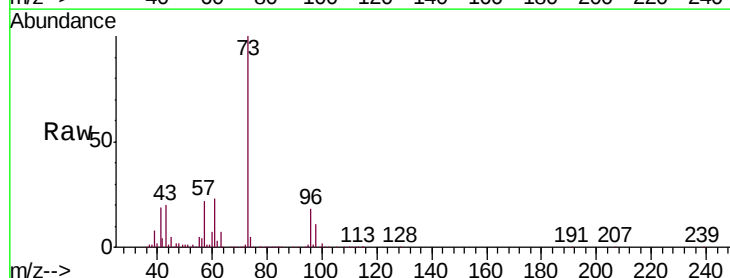
Tgt Ion: 73 Resp: 748235

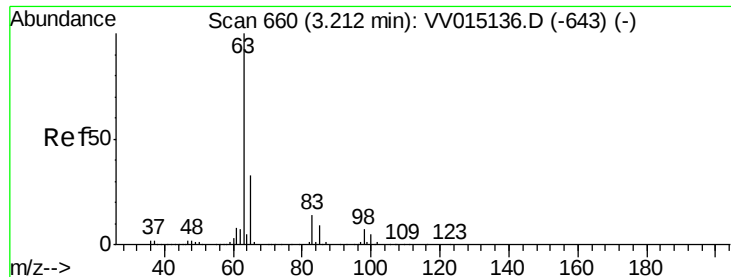
Ion Ratio Lower Upper

73 100

43 19.7 15.4 23.0

57 21.3 17.0 25.6

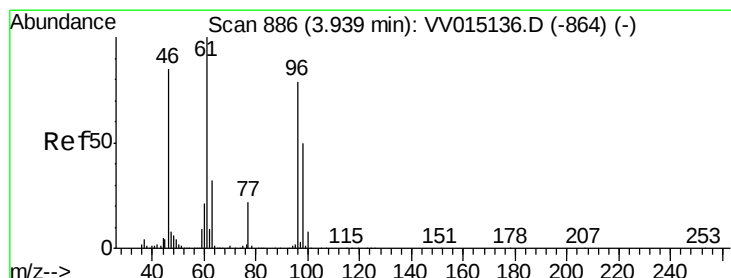
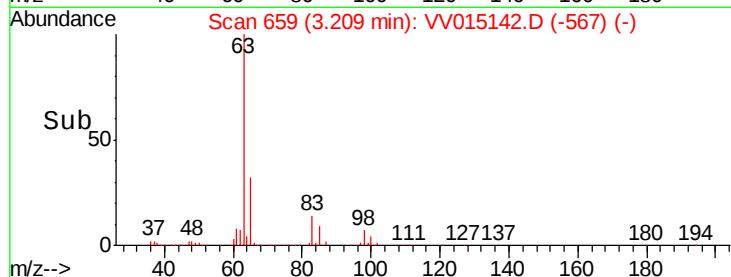
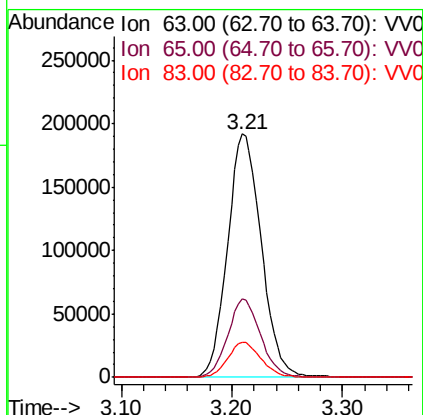
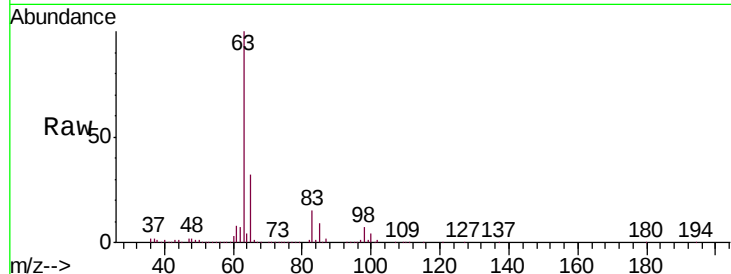




#19
 1,1-Dichloroethane
 Concen: 49.917 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

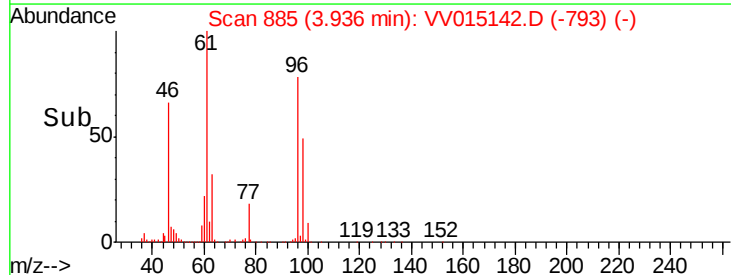
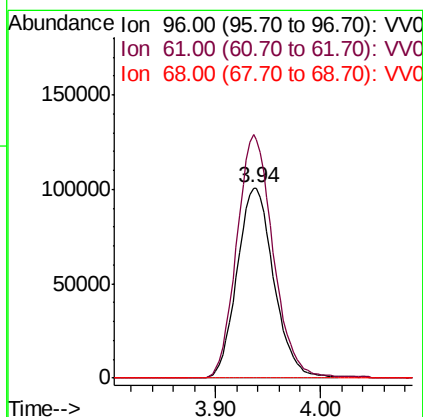
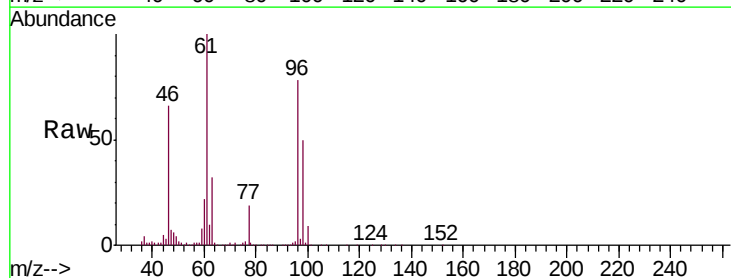
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

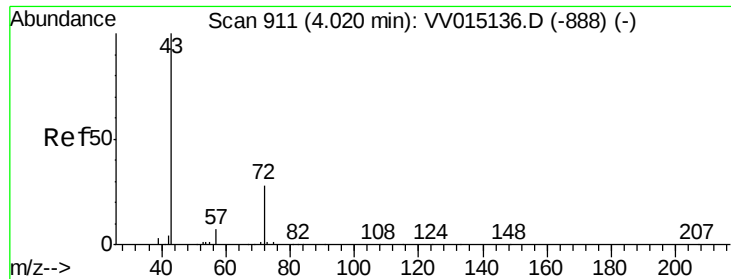
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.8	42.4
83	14.5	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.204 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.8	88.3	163.9
68	0.2	0.1	0.3

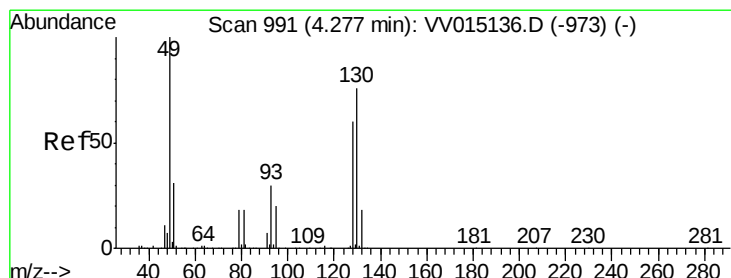
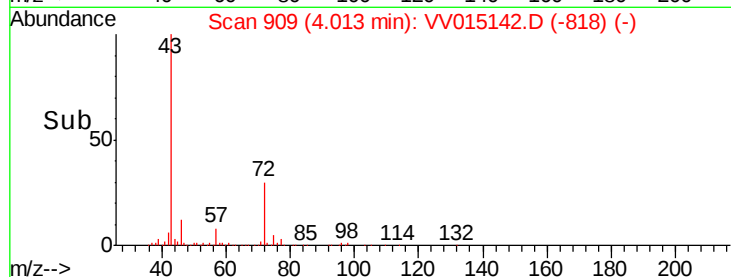
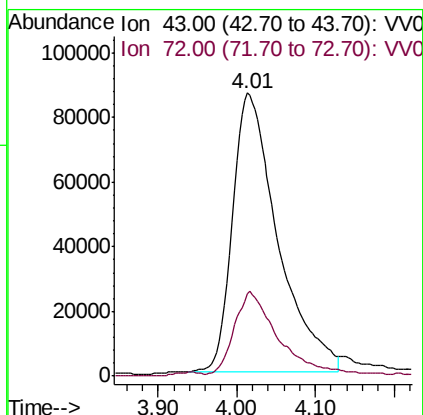
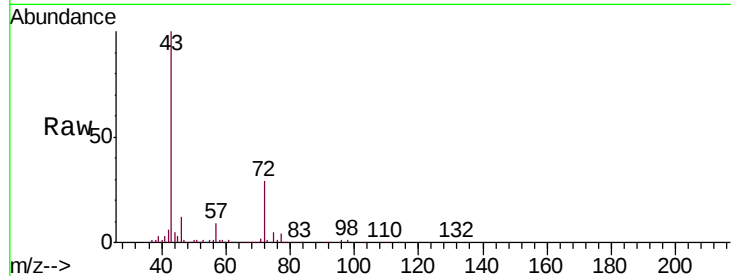




#22
 2-Butanone
 Concen: 99.216 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

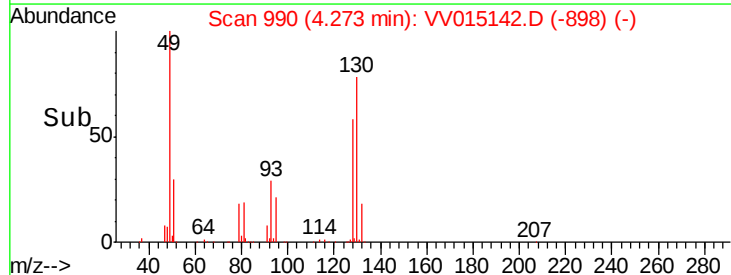
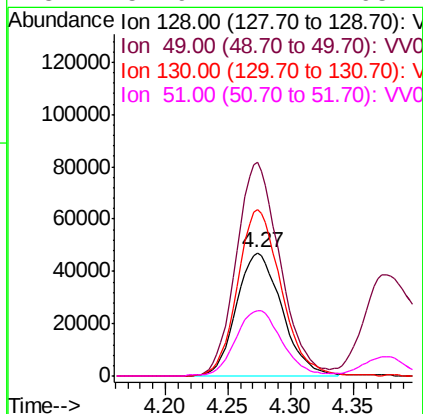
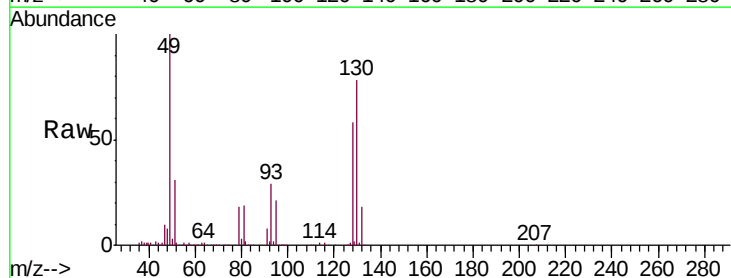
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

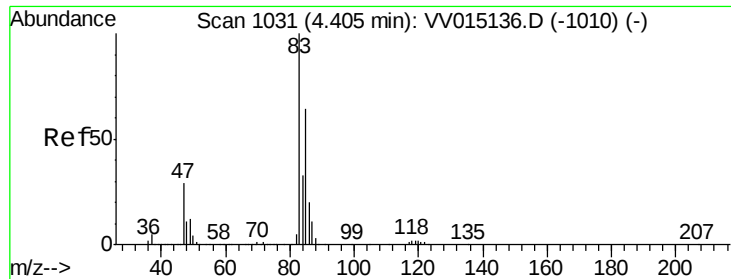
Tgt Ion: 43 Resp: 348459
 Ion Ratio Lower Upper
 43 100
 72 27.8 13.5 40.4



#23
 Bromochloromethane
 Concen: 47.722 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

Tgt Ion: 128 Resp: 117815
 Ion Ratio Lower Upper
 128 100
 49 173.5 117.1 217.5
 130 134.7 89.5 166.1
 51 52.9 42.2 63.4

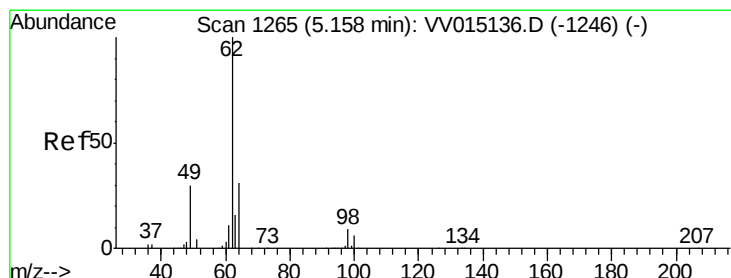
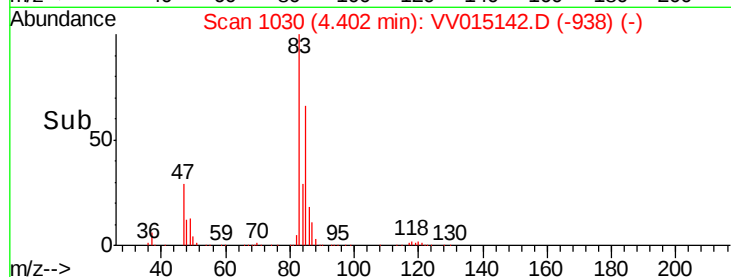
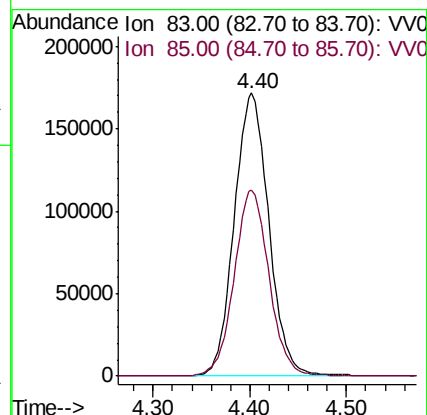
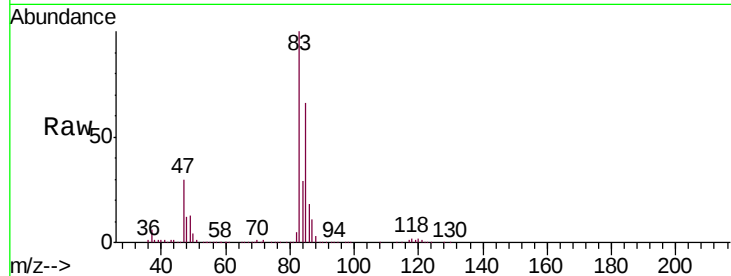




#25
Chloroform
Concen: 49.776 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

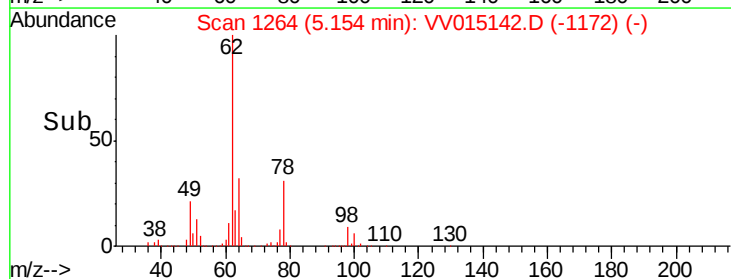
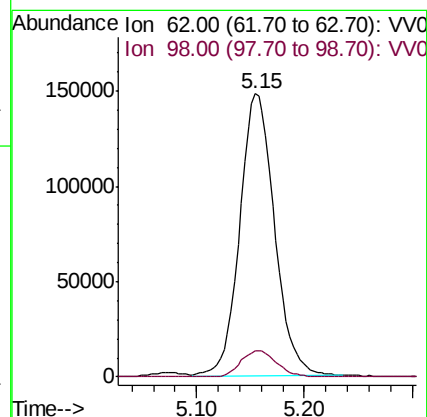
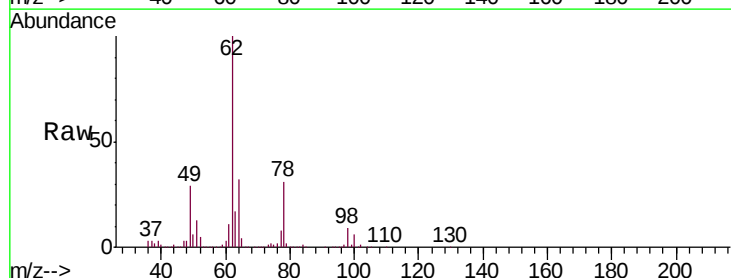
Instrument :
MSVOA_V
ClientSampled :
BFB72

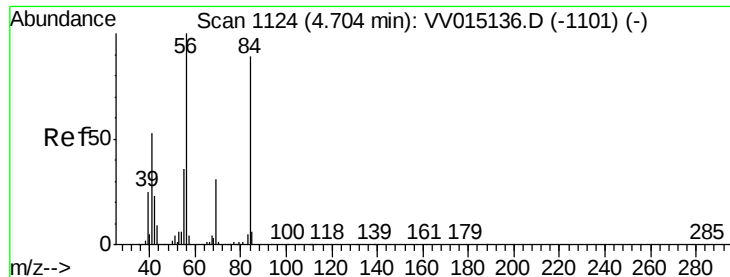
Tgt Ion: 83 Resp: 422681
Ion Ratio Lower Upper
83 100
85 65.7 44.8 83.2



#27
1,2-Dichloroethane
Concen: 50.468 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Tgt Ion: 62 Resp: 332047
Ion Ratio Lower Upper
62 100
98 9.1 7.5 11.3

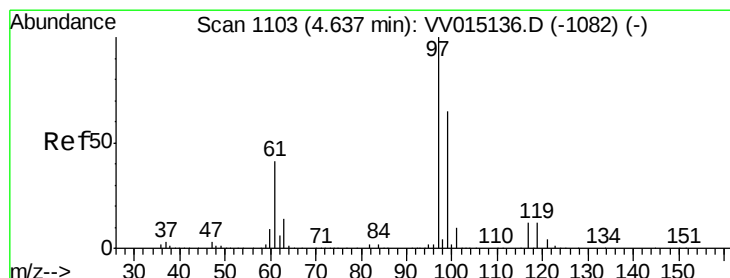
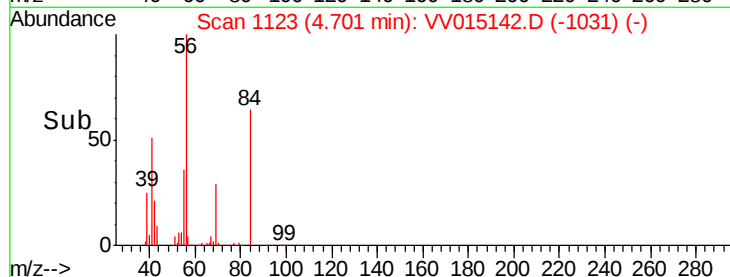
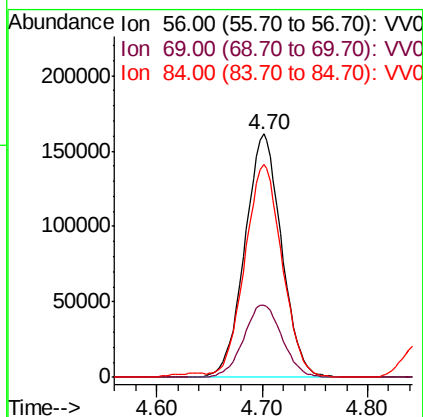
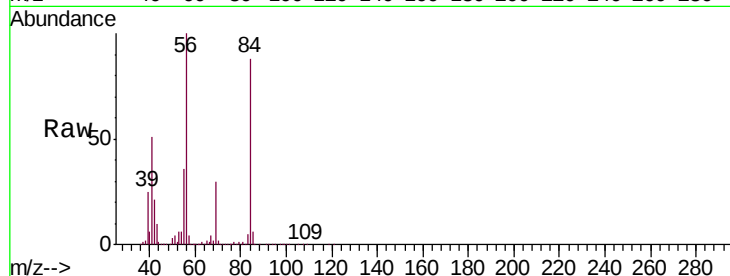




#29
Cyclohexane
Concen: 50.774 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

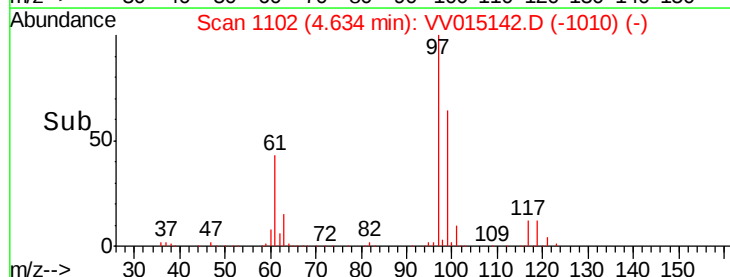
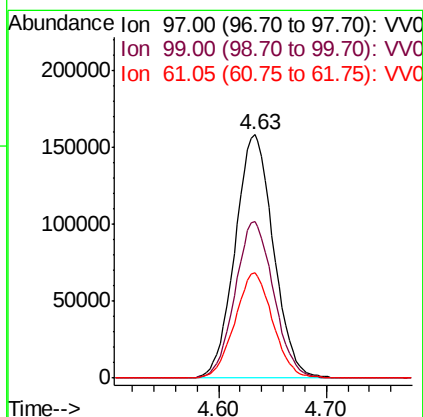
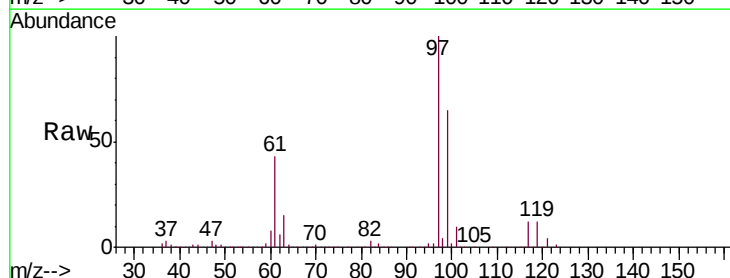
Instrument :
MSVOA_V
ClientSampleId :
BFB72

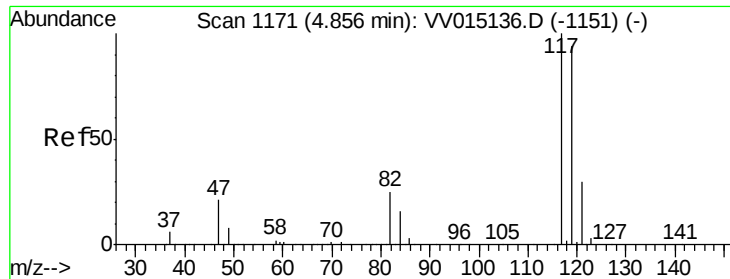
Tgt Ion: 56 Resp: 388468
Ion Ratio Lower Upper
56 100
69 30.9 25.4 38.2
84 89.3 74.0 111.0



#30
1,1,1-Trichloroethane
Concen: 49.448 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Tgt Ion: 97 Resp: 389673
Ion Ratio Lower Upper
97 100
99 64.9 52.5 78.7
61 42.7 33.2 49.8



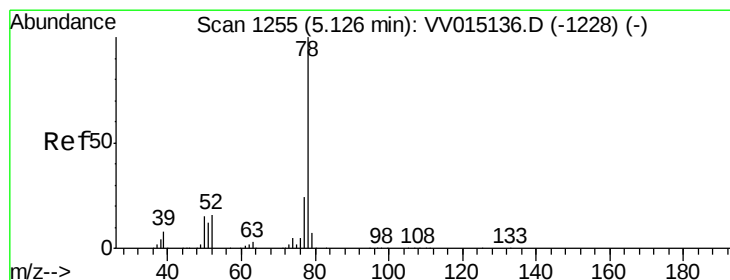
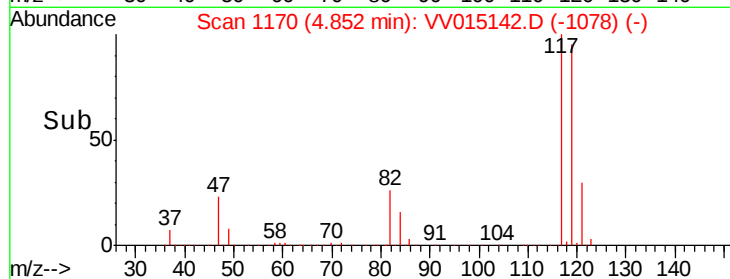
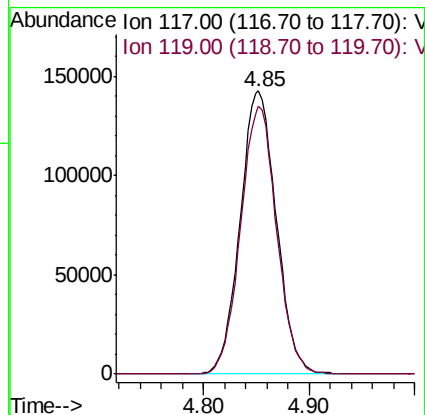
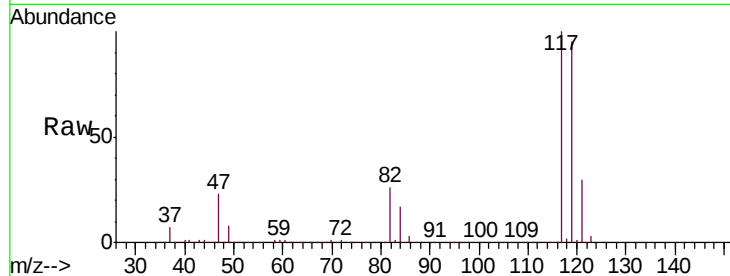


#31

Carbon tetrachloride
Concen: 49.939 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Instrument :
MSVOA_V
ClientSampleId :
BFB72

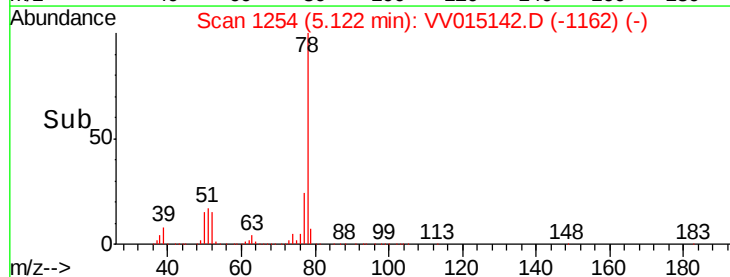
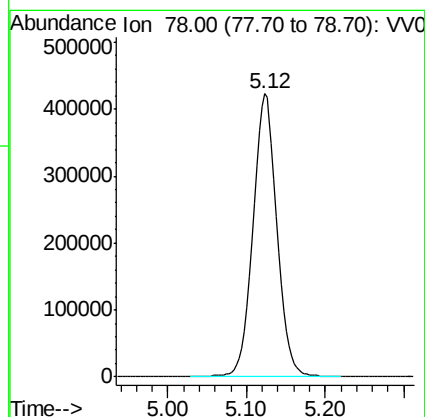
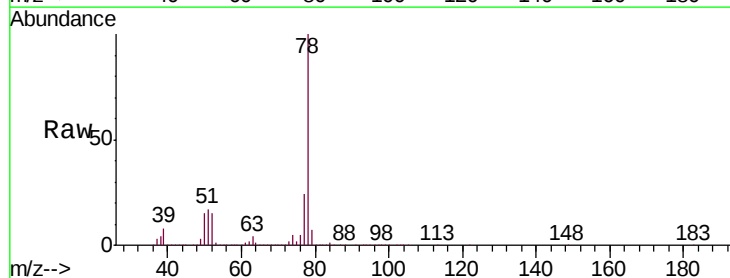
Tgt Ion:117 Resp: 339826
Ion Ratio Lower Upper
117 100
119 94.1 76.2 114.4

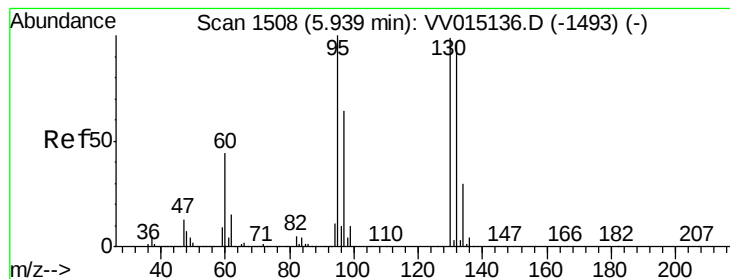


#33

Benzene
Concen: 49.235 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Tgt Ion: 78 Resp: 920636





#34

Trichloroethene

Concen: 50.186 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampleId :

BFB72

Tgt Ion: 95 Resp: 248637

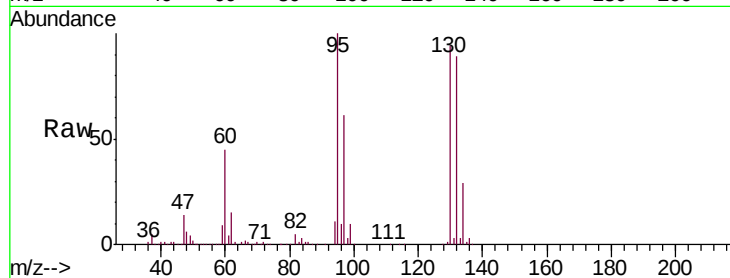
Ion Ratio Lower Upper

95 100

97 61.2 44.4 82.4

132 88.6 67.6 125.6

130 93.7 69.2 128.4

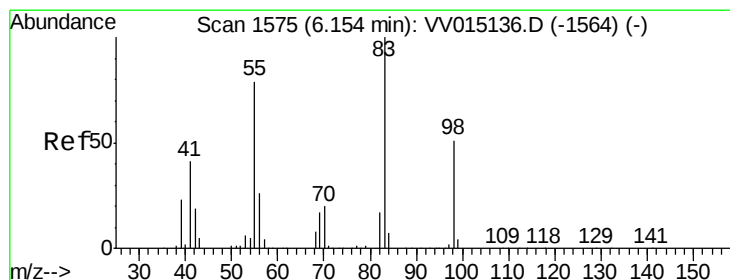
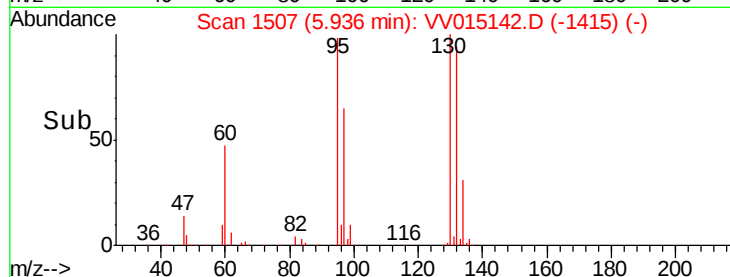
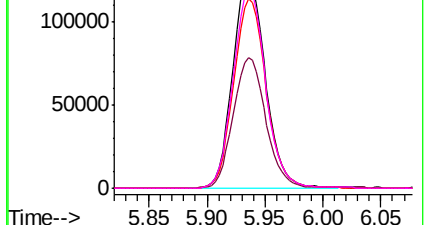


Abundance Ion 95.00 (94.70 to 95.70): VV015136.D (-1493) (-)

Ion 97.00 (96.70 to 97.70): VV015136.D (-1493) (-)

Ion 132.00 (131.70 to 132.70): VV015136.D (-1493) (-)

Ion 130.00 (129.70 to 130.70): VV015136.D (-1493) (-)



#35

Methylcyclohexane

Concen: 50.327 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

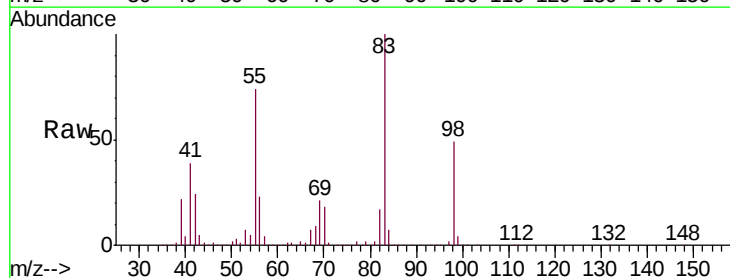
Tgt Ion: 83 Resp: 418926

Ion Ratio Lower Upper

83 100

55 73.1 59.5 89.3

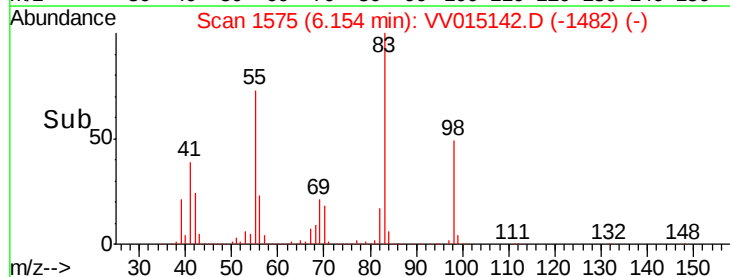
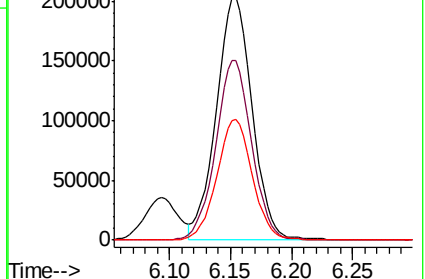
98 49.2 39.1 58.7

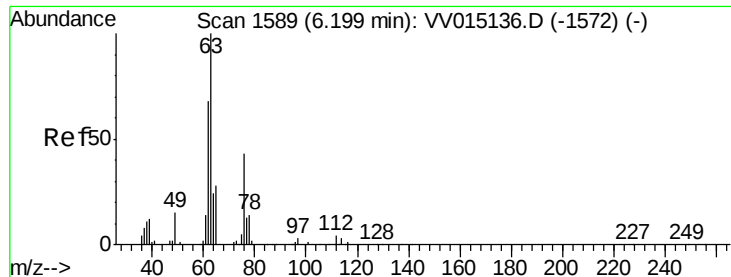


Abundance Ion 83.00 (82.70 to 83.70): VV015136.D (-1564) (-)

Ion 55.00 (54.70 to 55.70): VV015136.D (-1564) (-)

Ion 98.00 (97.70 to 98.70): VV015136.D (-1564) (-)

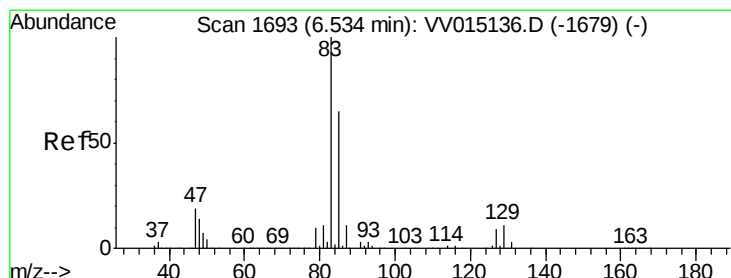
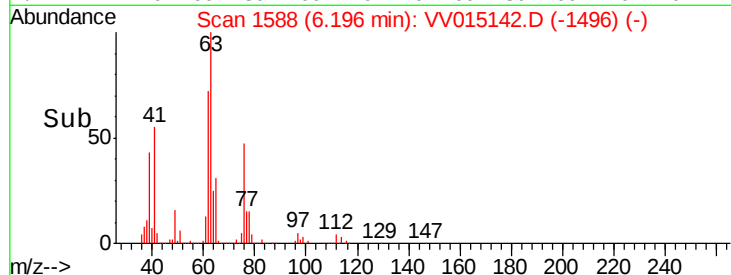
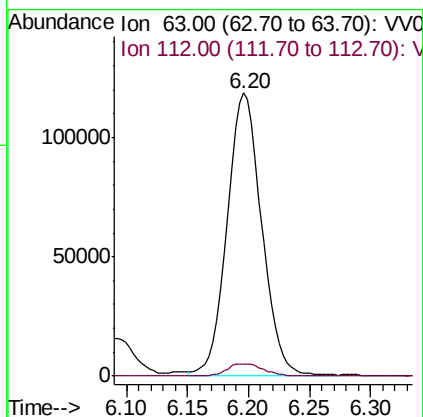
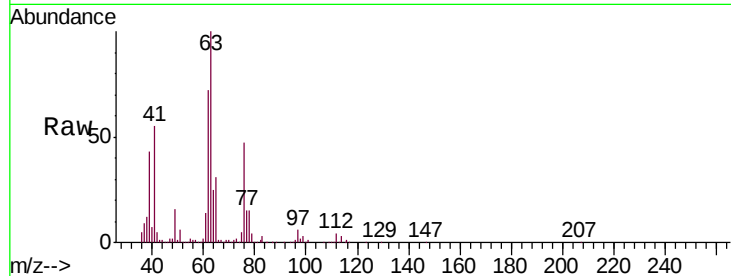




#37
 1,2-Dichloropropane
 Concen: 49.876 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

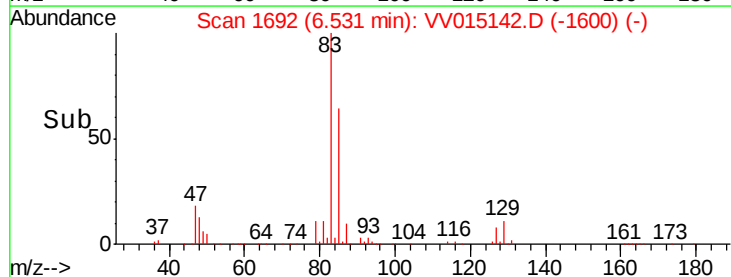
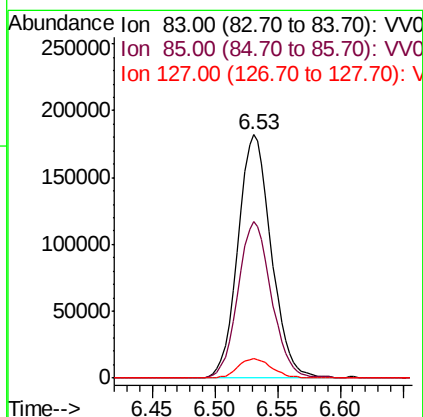
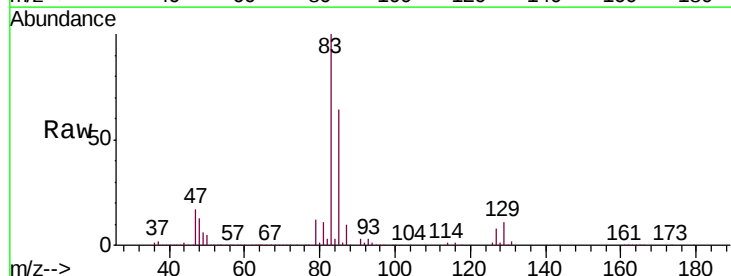
Instrument :
 MSVOA_V
 ClientSampled :
 BFB72

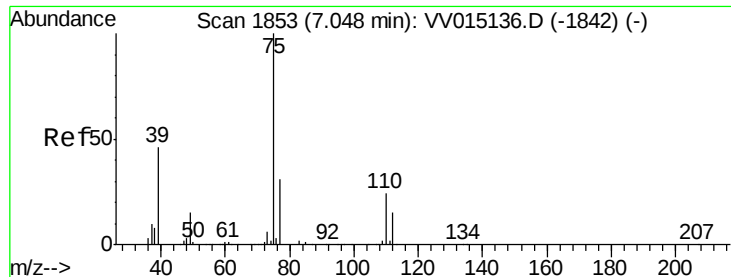
Tgt Ion: 63 Resp: 235556
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 49.662 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

Tgt Ion: 83 Resp: 335604
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.4 84.4
 127 7.8 6.9 10.3

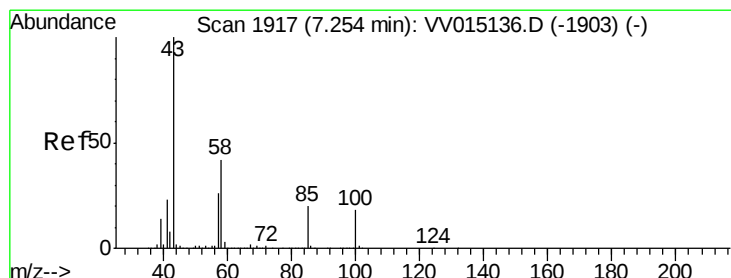
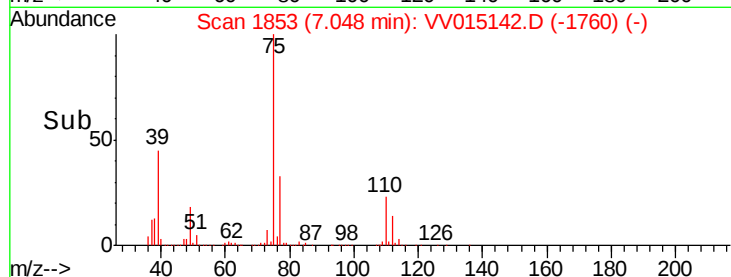
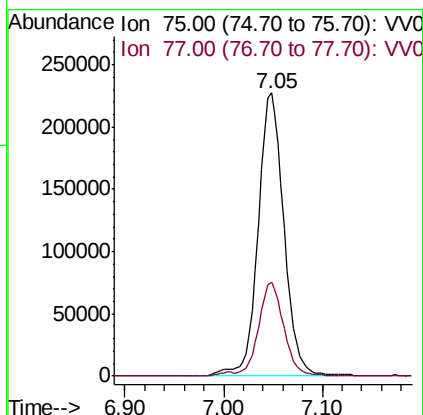
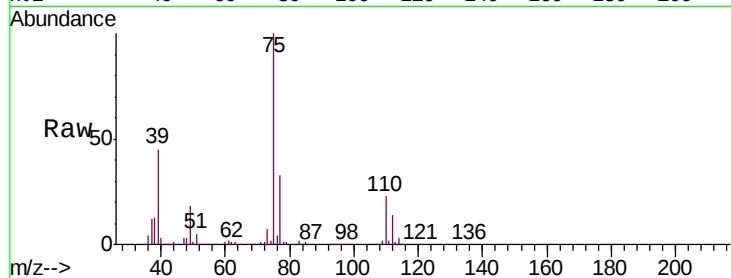




#39
 cis-1,3-Dichloropropene
 Concen: 50.267 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

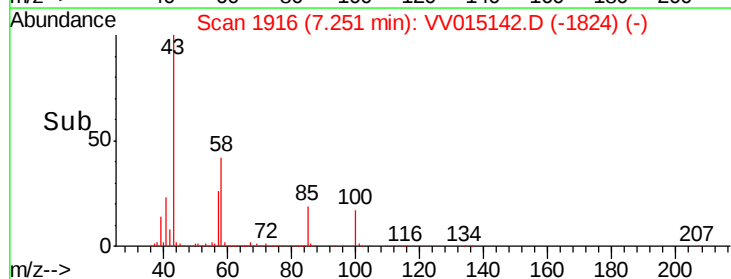
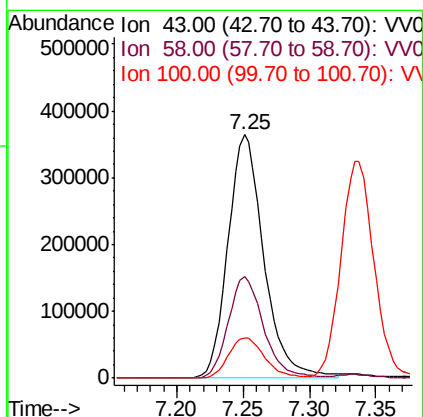
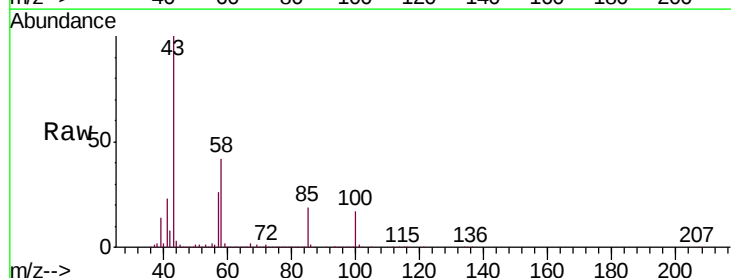
Instrument :
 MSVOA_V
 ClientSampled :
 BFB72

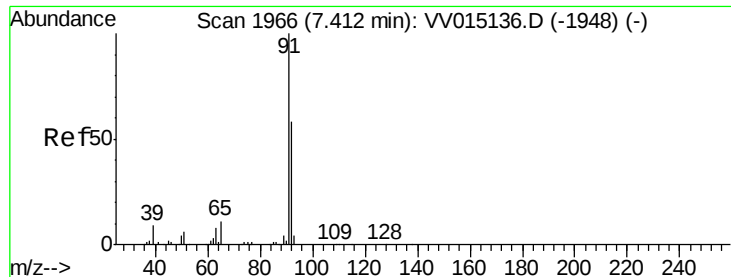
Tgt Ion: 75 Resp: 409346
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 95.042 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

Tgt Ion: 43 Resp: 679889
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.5 48.7
 100 16.9 13.8 20.8





#42

Toluene

Concen: 49.743 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampleId :

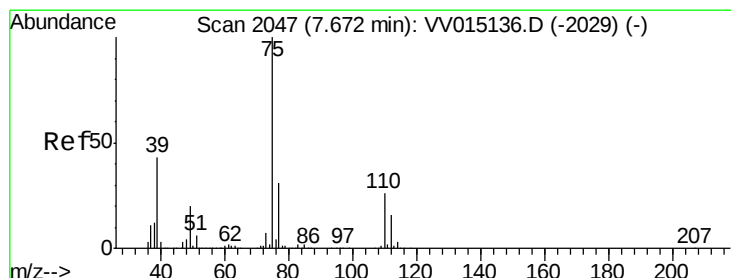
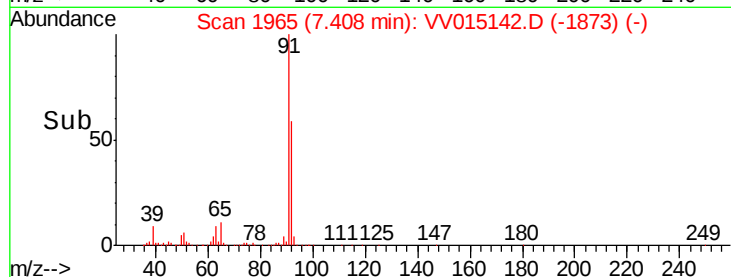
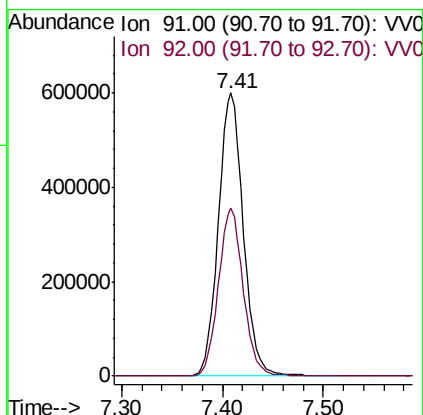
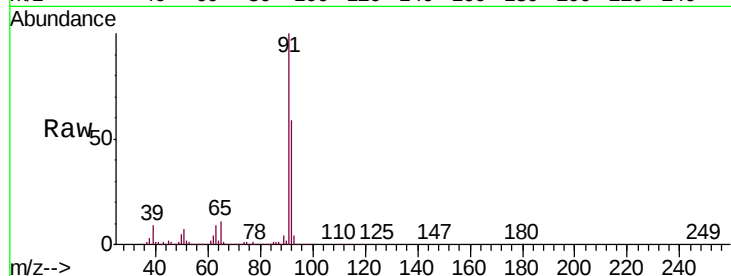
BFB72

Tgt Ion: 91 Resp: 1033819

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 49.833 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV015142.D

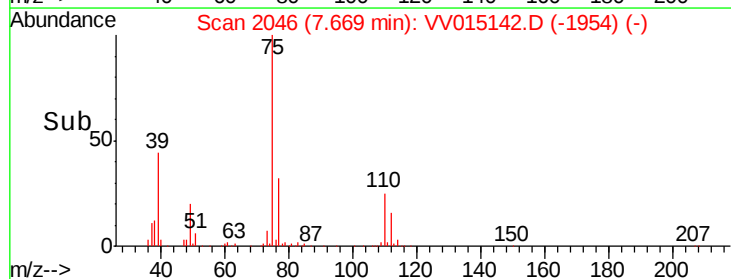
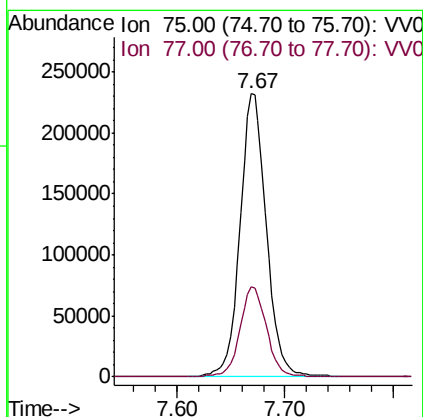
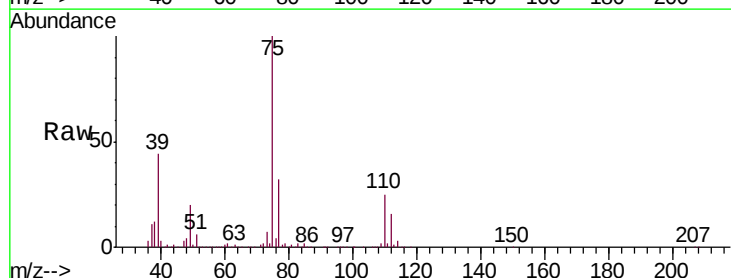
Acq: 25 Mar 2020 17:41

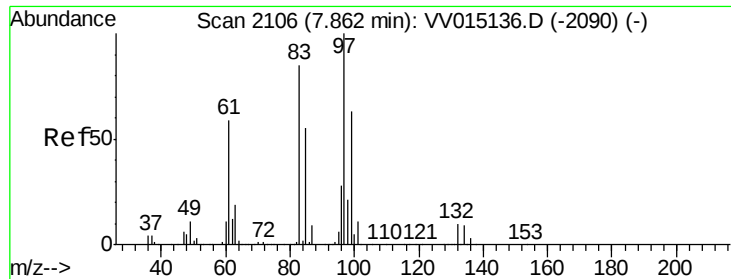
Tgt Ion: 75 Resp: 393899

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0

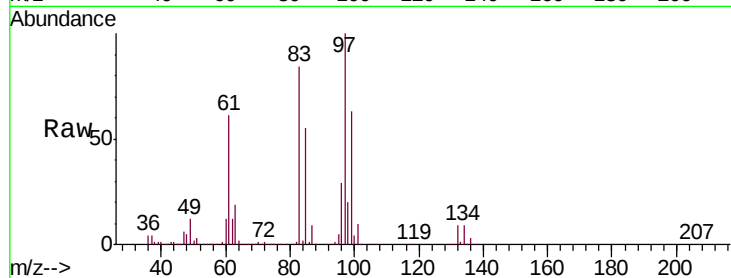




#45
1,1,2-Trichloroethane
Concen: 49.786 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Instrument :
MSVOA_V
ClientSampleId :
BFB72

Tgt Ion:	97	Resp:	231464
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.2	82.2
83	84.1	59.9	111.3
85	54.7	38.6	71.8



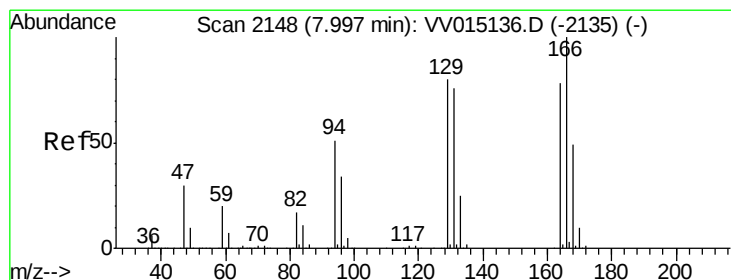
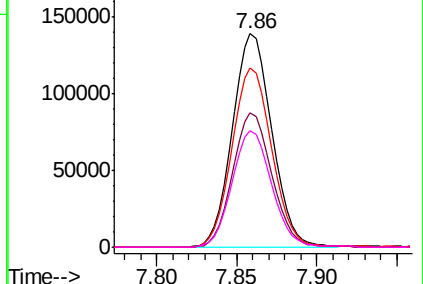
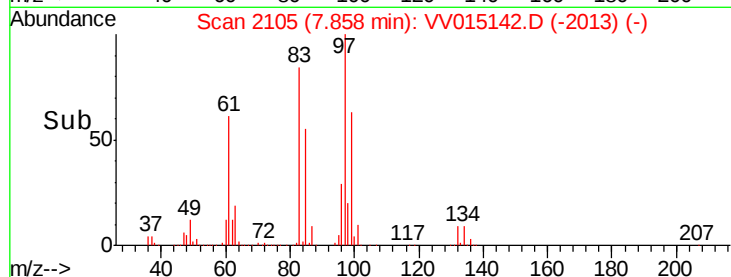
Abundance

Ion 97.00 (96.70 to 97.70): VV015142.D (-2090) (-)

Ion 99.00 (98.70 to 99.70): VV015142.D (-2090) (-)

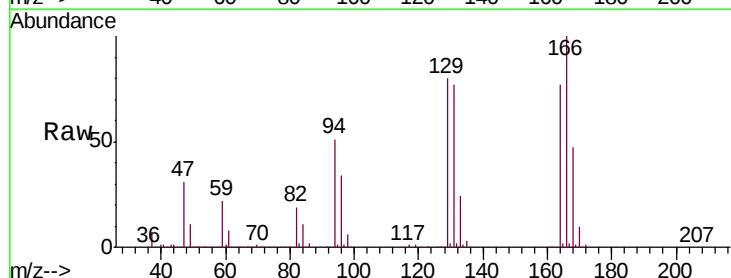
Ion 83.00 (82.70 to 83.70): VV015142.D (-2090) (-)

Ion 85.00 (84.70 to 85.70): VV015142.D (-2090) (-)



#46
Tetrachloroethene
Concen: 48.986 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Tgt Ion:	164	Resp:	173183
Ion	Ratio	Lower	Upper
164	100		
129	103.7	71.2	132.2
131	100.1	67.8	125.8
166	129.6	89.2	165.8



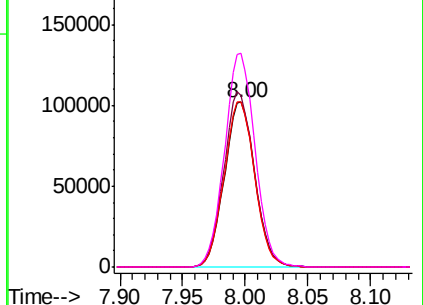
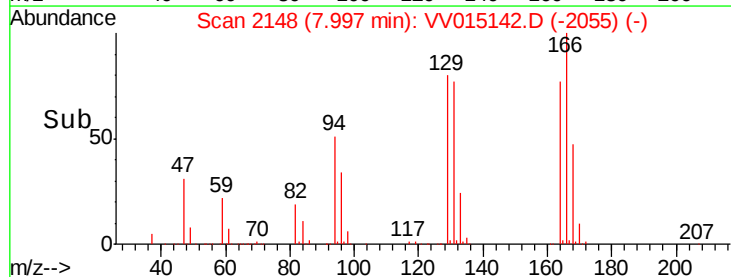
Abundance

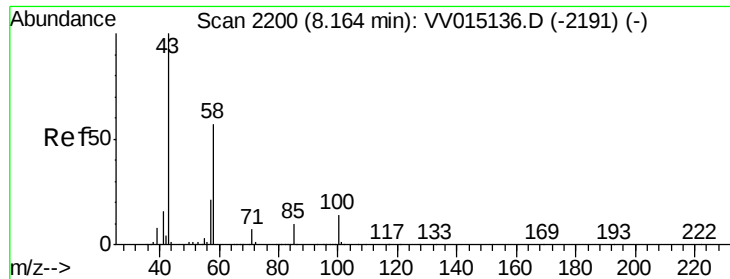
Ion 164.00 (163.70 to 164.70): VV015142.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV015142.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV015142.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV015142.D (-2055) (-)

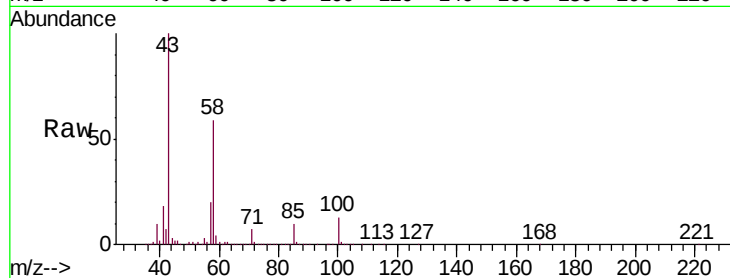




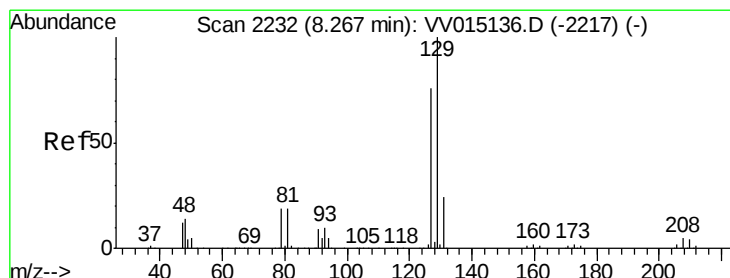
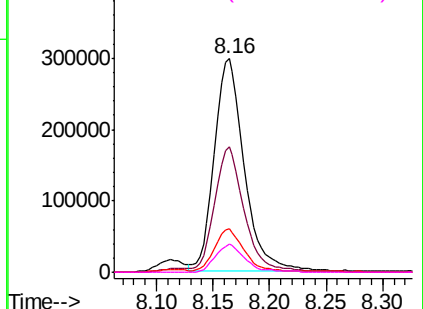
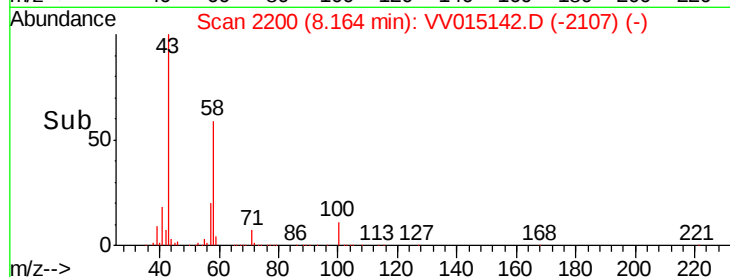
#48
2-Hexanone
Concen: 100.704 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Instrument :
MSVOA_V
ClientSampleId :
BFB72

Tgt Ion:	43	Resp:	549108
Ion	Ratio	Lower	Upper
43	100		
58	57.2	47.0	70.6
57	19.2	16.5	24.7
100	13.0	10.9	16.3

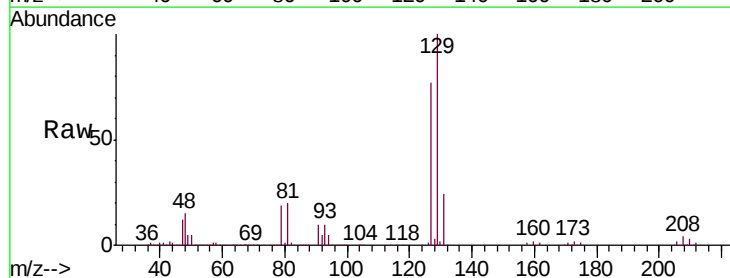


Abundance Ion 43.00 (42.70 to 43.70): VV015142.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015142.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015142.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015142.D (-2107) (-)

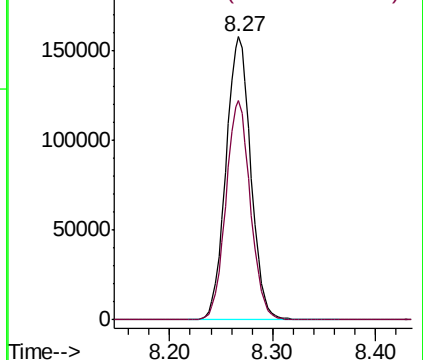
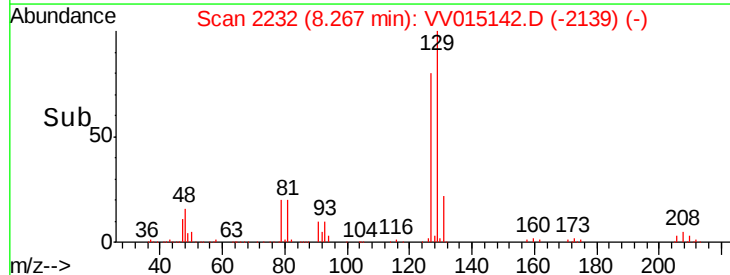


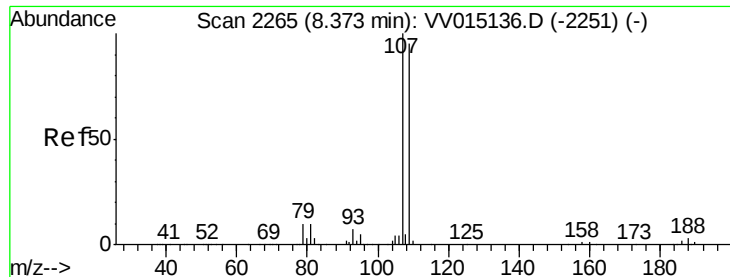
#49
Dibromochloromethane
Concen: 50.056 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Tgt Ion:	129	Resp:	265094
Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.4	99.2



Abundance Ion 129.00 (128.70 to 129.70): VV015142.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015142.D (-2139) (-)

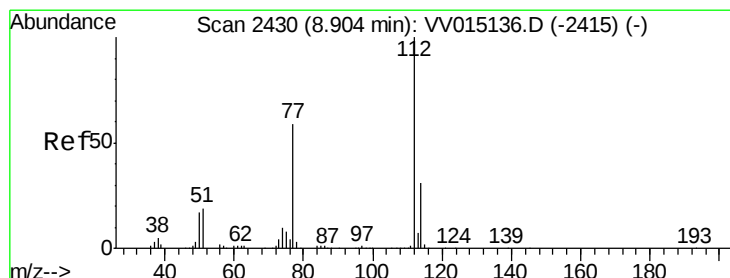
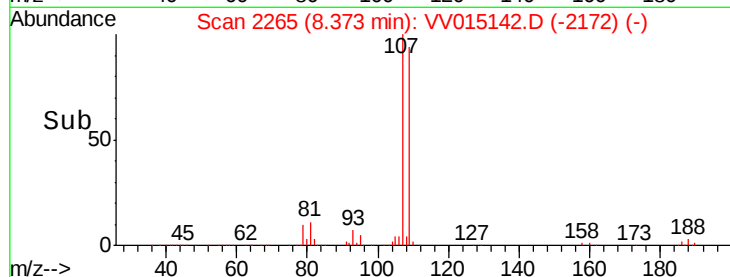
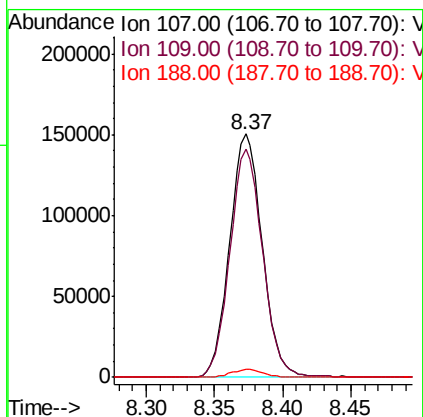
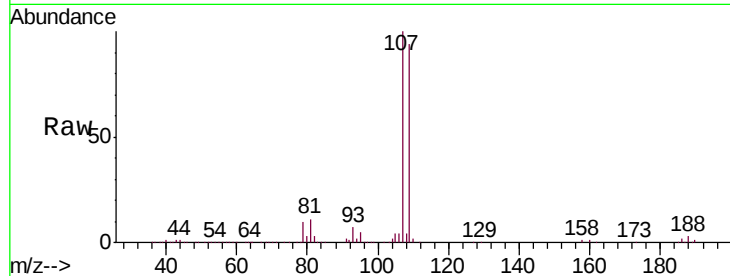




#50
1,2-Dibromoethane
Concen: 48.919 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

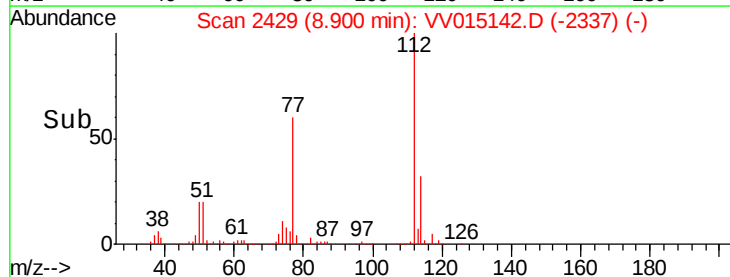
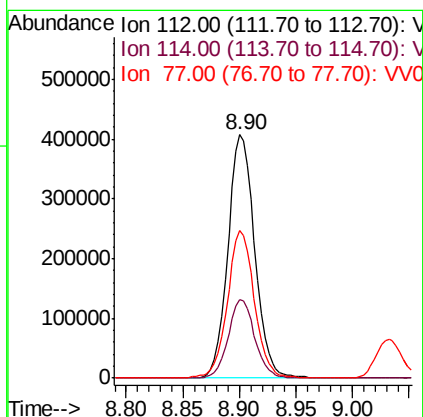
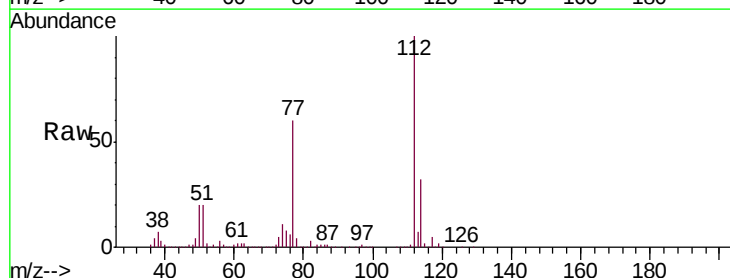
Instrument :
MSVOA_V
ClientSampleId :
BFB72

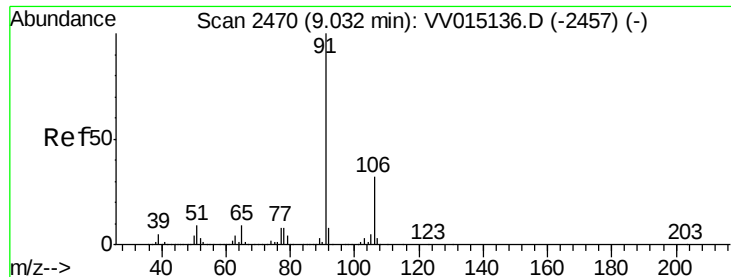
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	66.6	123.6
188	3.3	2.5	3.7



#51
Chlorobenzene
Concen: 49.885 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV015142.D
Acq: 25 Mar 2020 17:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.0	40.8
77	60.4	47.2	70.8





#52

Ethylbenzene

Concen: 51.586 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampled :

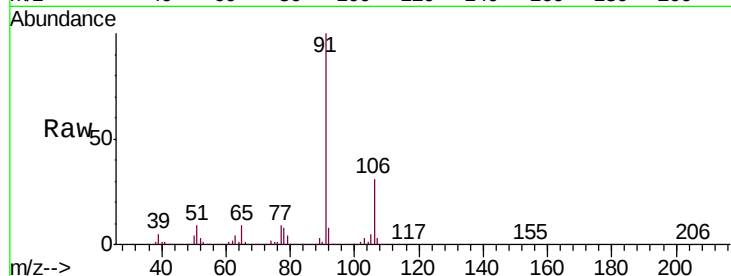
BFB72

Tgt Ion: 91 Resp: 1202533

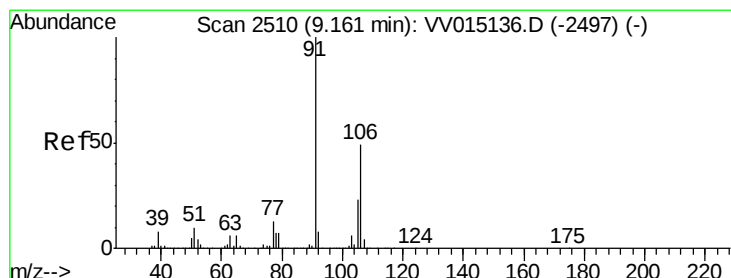
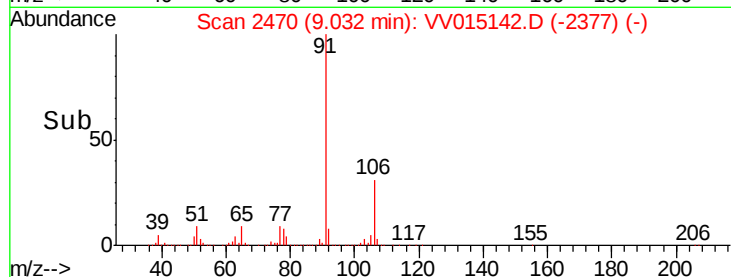
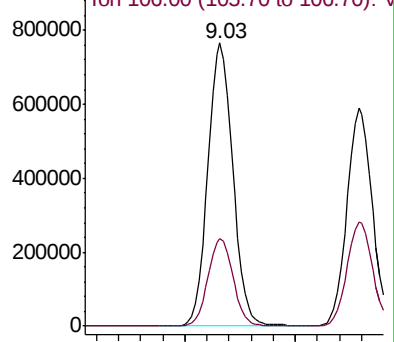
Ion Ratio Lower Upper

91 100

106 31.1 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VV015136.D (-2457) (-)



#53

m,p-Xylene

Concen: 50.015 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015142.D

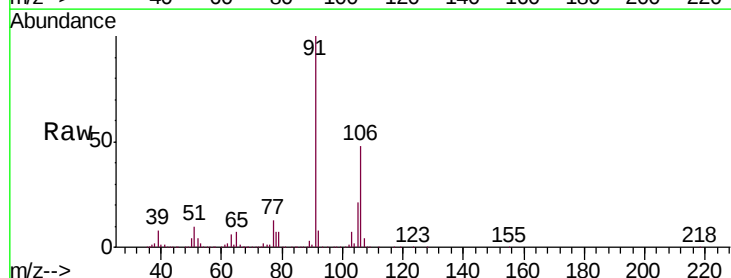
Acq: 25 Mar 2020 17:41

Tgt Ion: 106 Resp: 458430

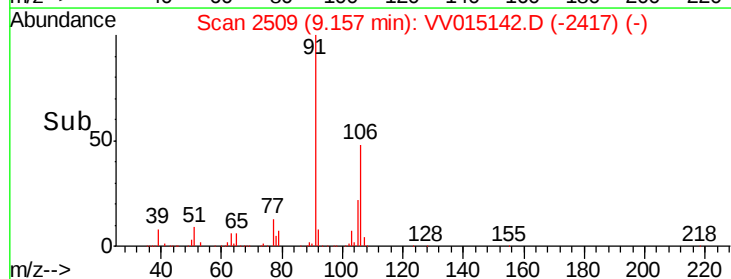
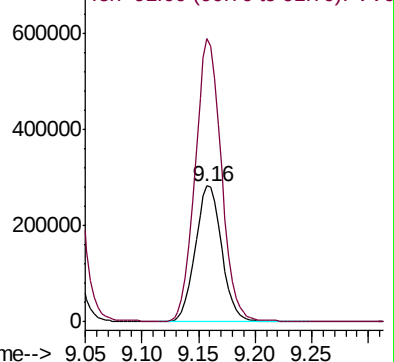
Ion Ratio Lower Upper

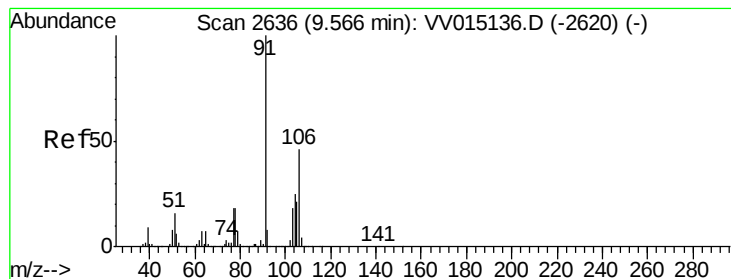
106 100

91 208.4 143.3 266.1



Abundance Ion 106.00 (105.70 to 106.70): VV015136.D (-2497) (-)





#54

o-xylene

Concen: 51.269 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampleId :

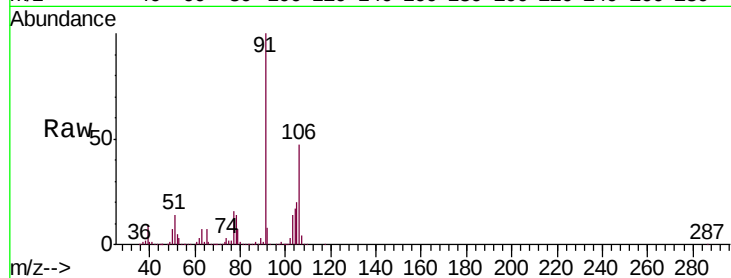
BFB72

Tgt Ion:106 Resp: 458730

Ion Ratio Lower Upper

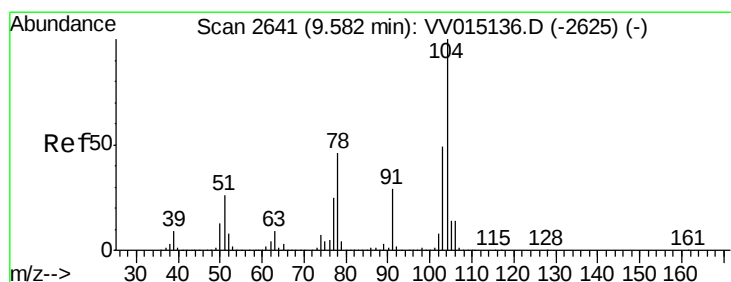
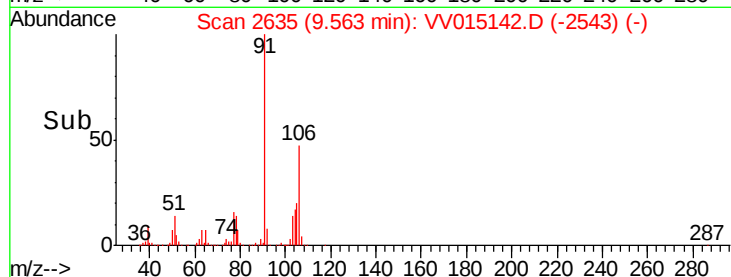
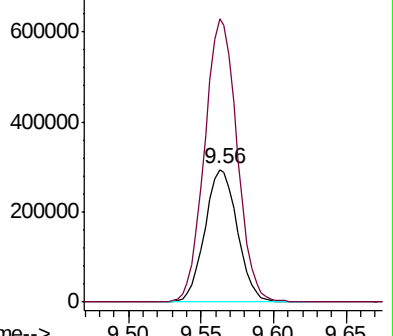
106 100

91 213.3 151.5 281.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.182 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015142.D

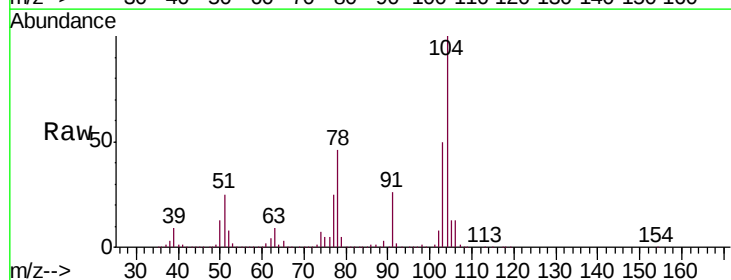
Acq: 25 Mar 2020 17:41

Tgt Ion:104 Resp: 781269

Ion Ratio Lower Upper

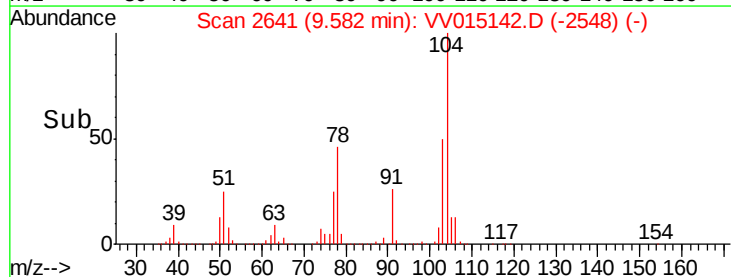
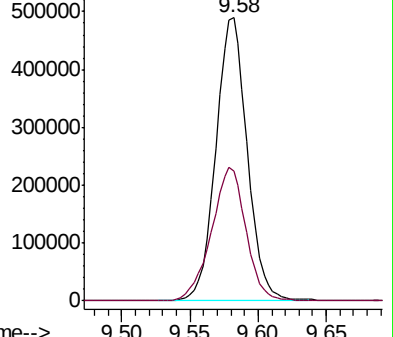
104 100

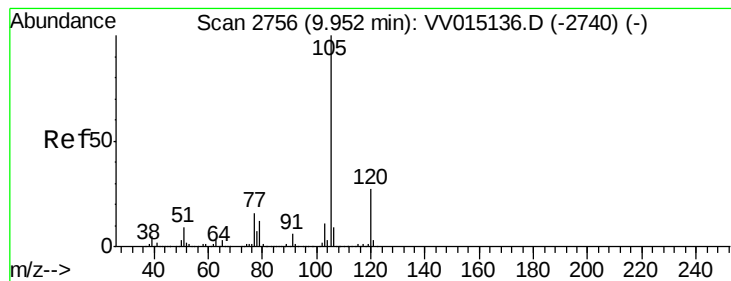
78 45.9 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.503 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampleId :

BFB72

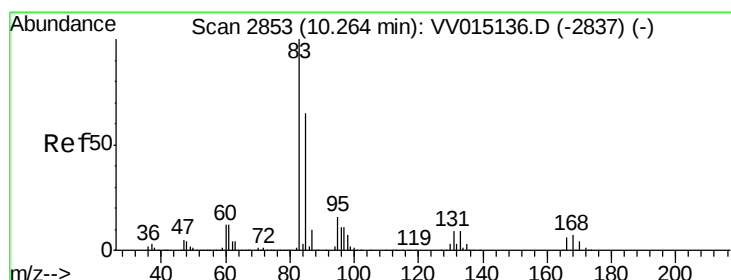
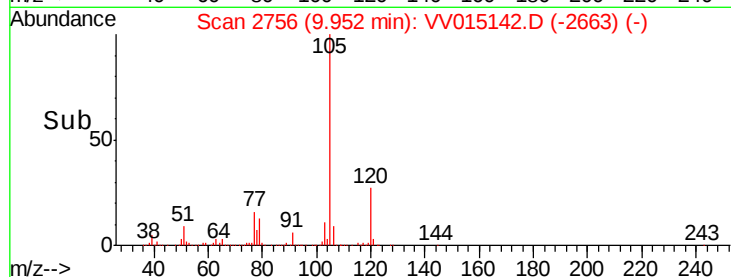
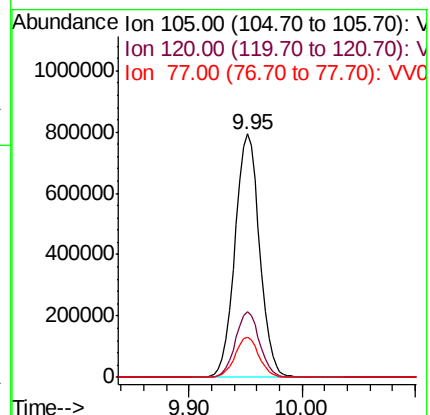
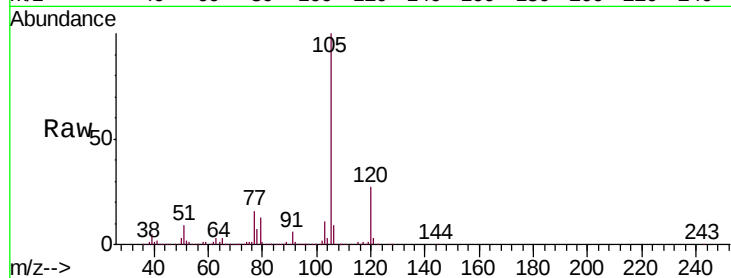
Tgt Ion:105 Resp: 1200596

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

77 16.1 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 48.780 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

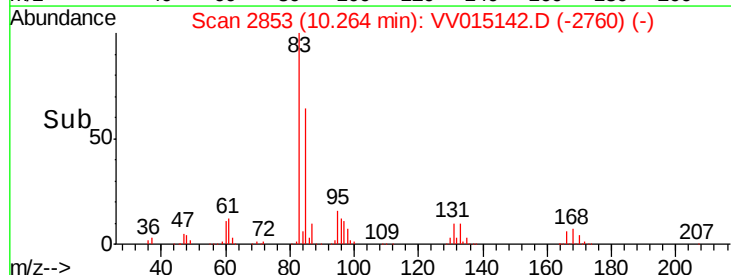
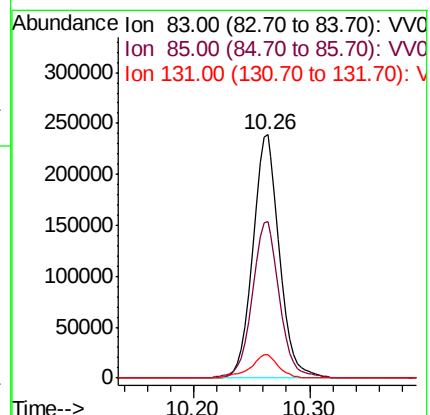
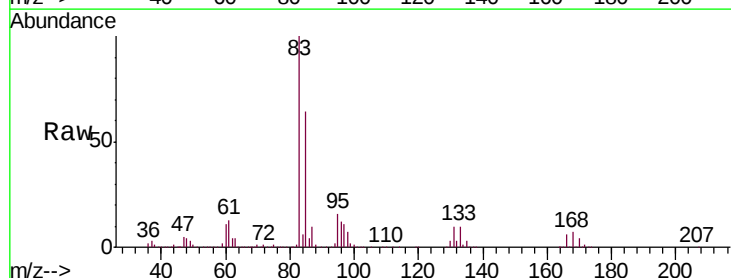
Tgt Ion: 83 Resp: 381793

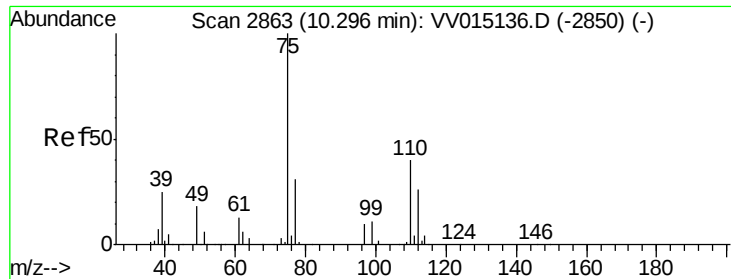
Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.2

131 9.6 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 48.834 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampleId :

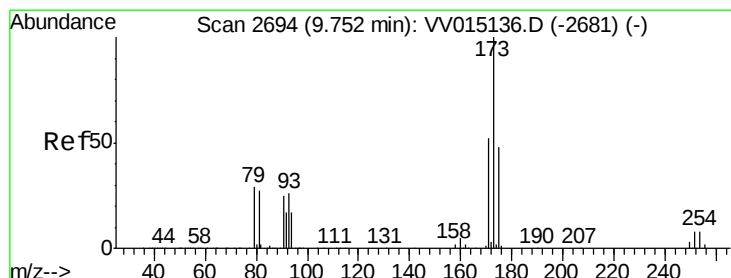
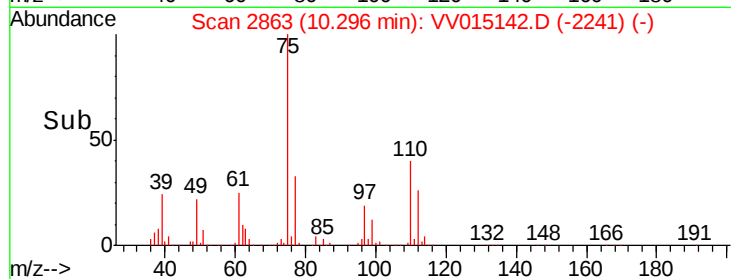
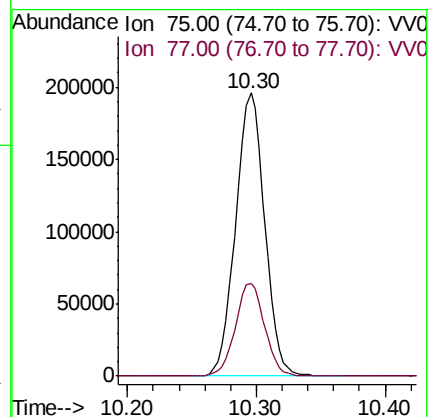
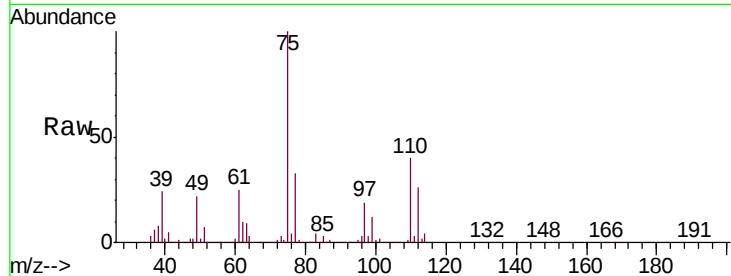
BFB72

Tgt Ion: 75 Resp: 307251

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#61

Bromoform

Concen: 47.605 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

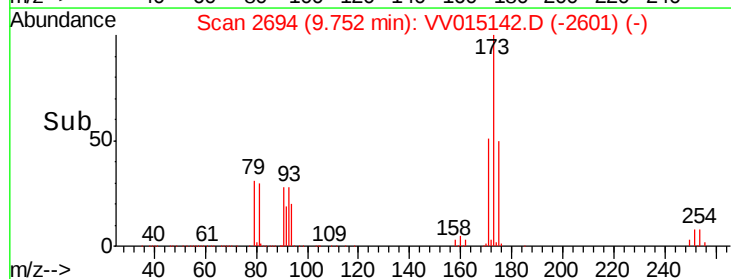
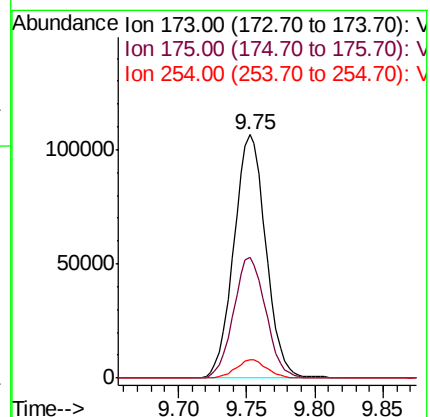
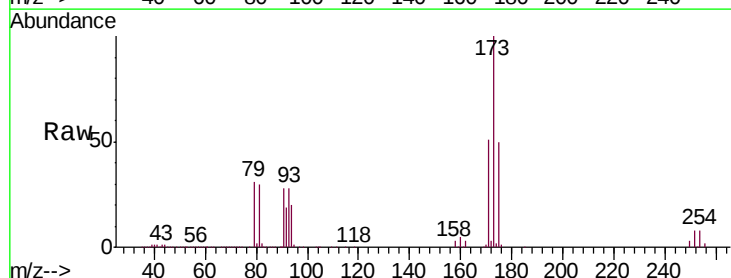
Tgt Ion: 173 Resp: 173380

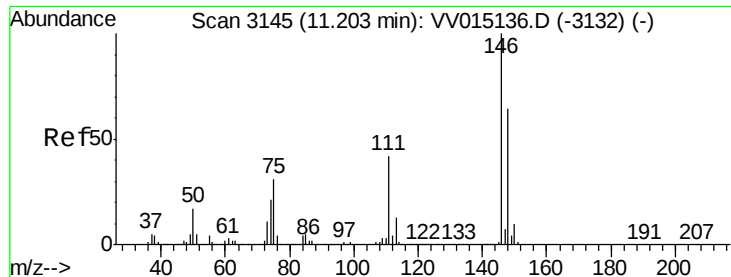
Ion Ratio Lower Upper

173 100

175 49.9 37.8 56.8

254 7.2 6.1 9.1





#62

1,3-Dichlorobenzene

Concen: 50.111 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampled :

BFB72

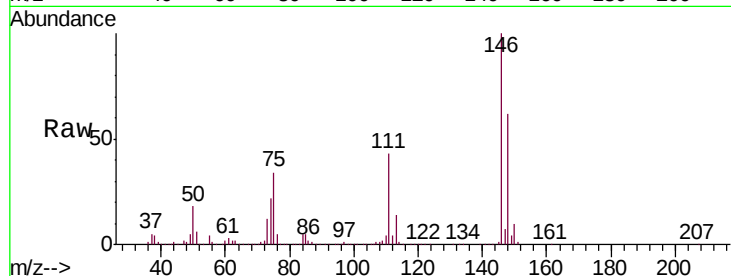
Tgt Ion:146 Resp: 513628

Ion Ratio Lower Upper

146 100

111 43.4 29.3 54.5

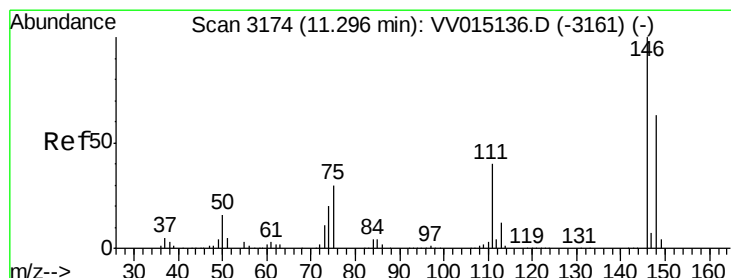
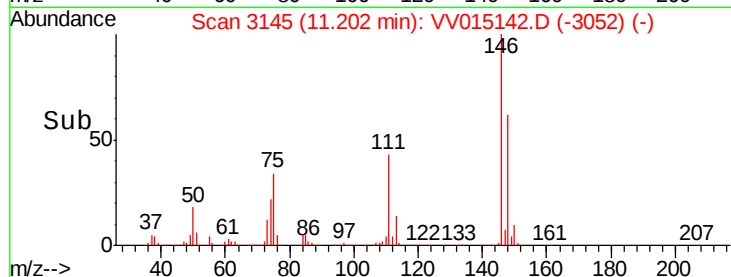
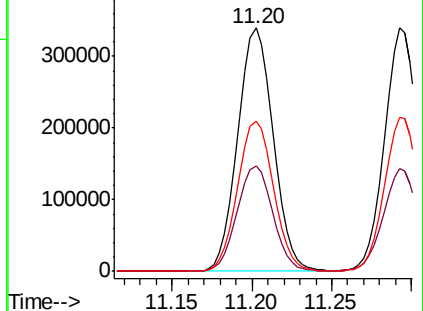
148 62.0 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 48.867 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

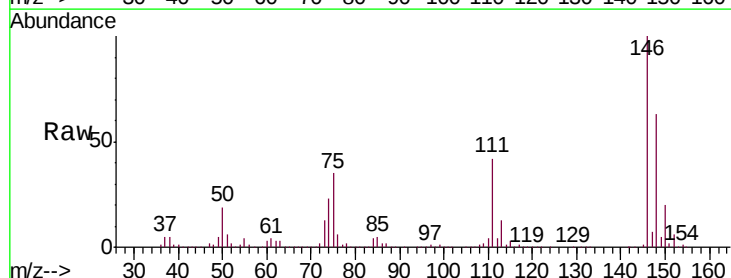
Tgt Ion:146 Resp: 510281

Ion Ratio Lower Upper

146 100

111 42.0 28.4 52.8

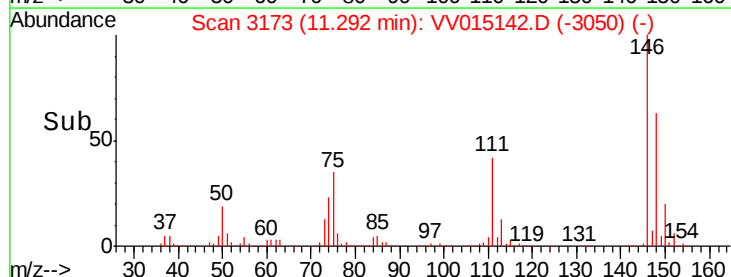
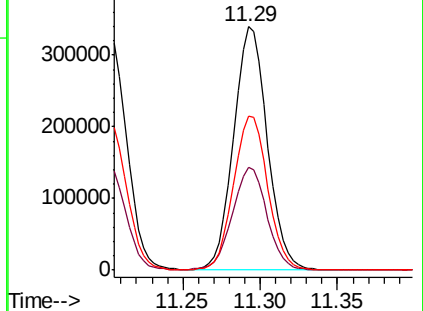
148 63.3 44.0 81.8

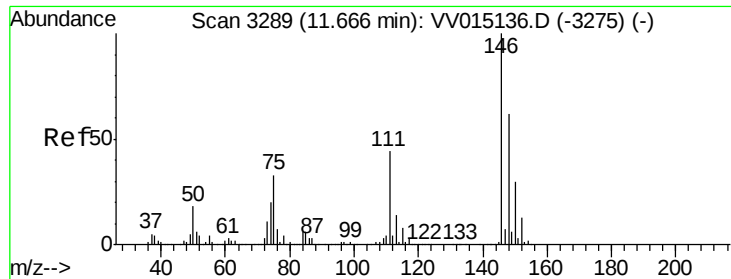


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

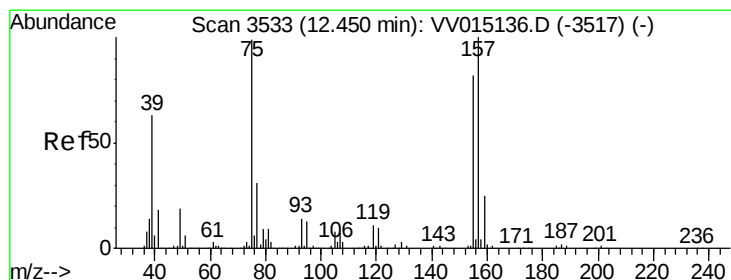
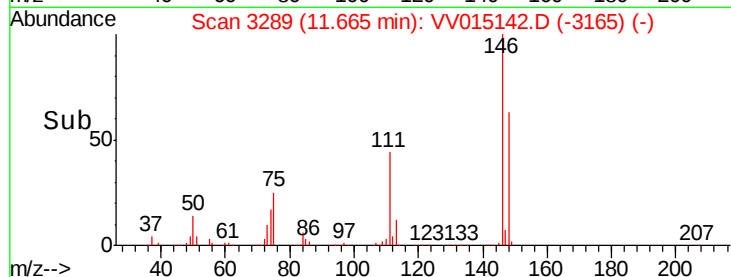
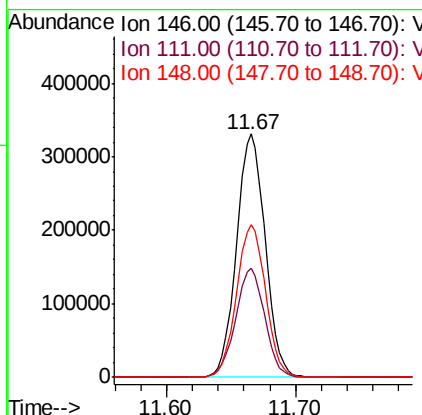
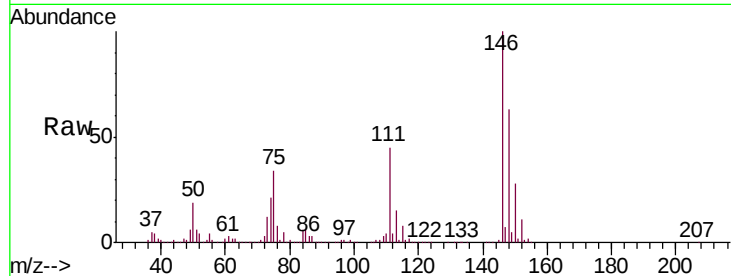




#65
 1,2-Dichlorobenzene
 Concen: 49.474 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

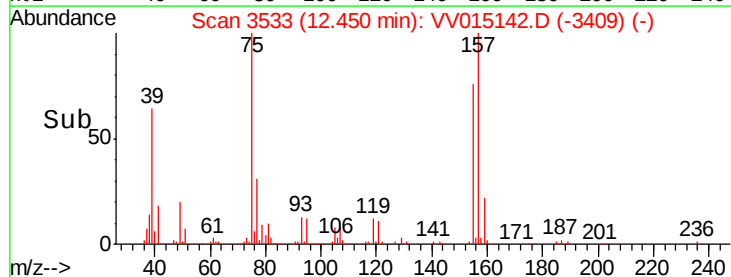
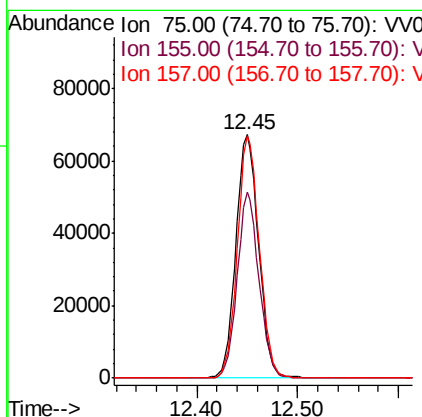
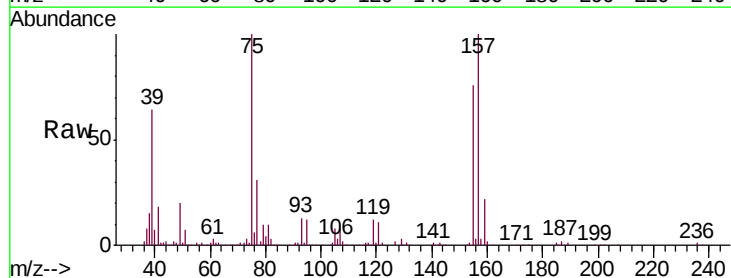
Instrument :
 MSVOA_V
 ClientSampled :
 BFB72

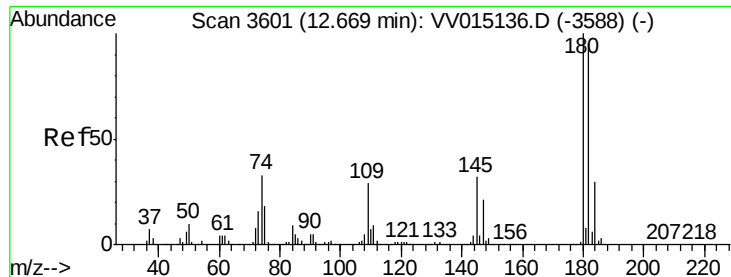
Tgt Ion: 146 Resp: 511617
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.4 53.2
 148 62.9 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.788 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

Tgt Ion: 75 Resp: 105078
 Ion Ratio Lower Upper
 75 100
 155 76.3 66.2 99.4
 157 99.5 81.1 121.7

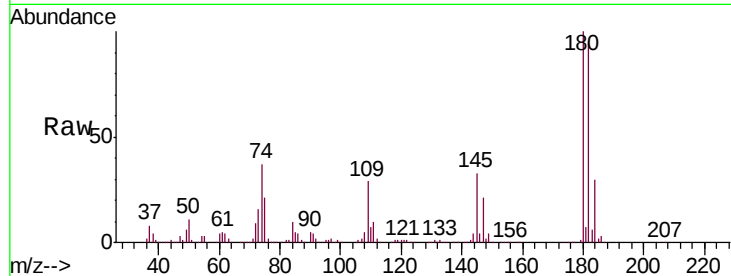




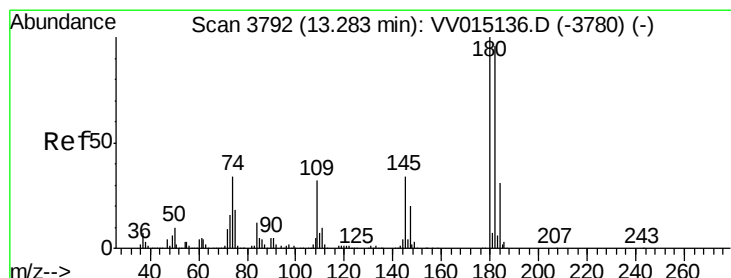
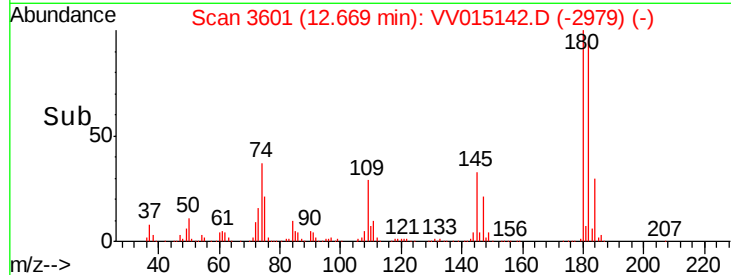
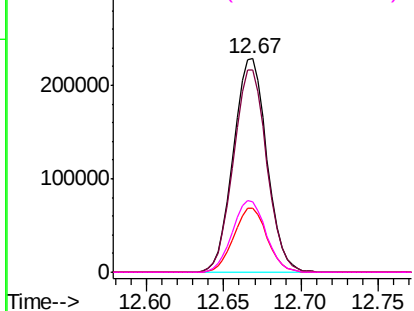
#67
 1,3,5-Trichlorobenzene
 Concen: 49.855 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

Tgt Ion:180 Resp: 344354
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.1 114.1
 184 29.9 24.4 36.6
 145 33.8 26.7 40.1

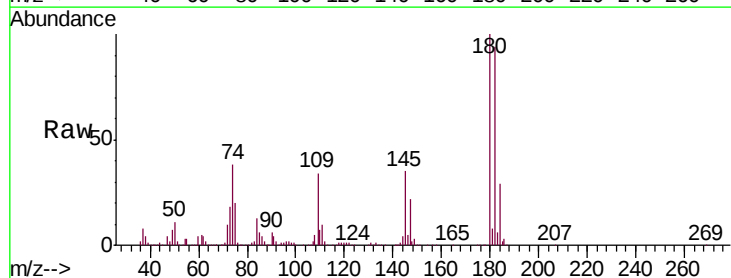


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

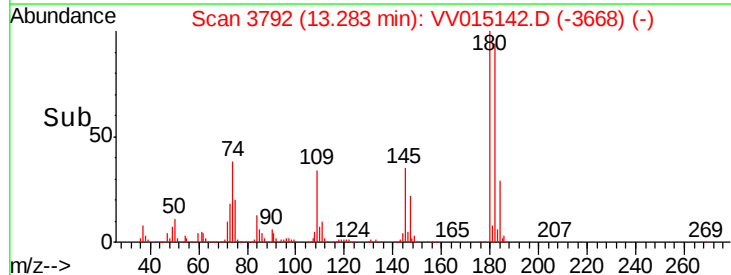
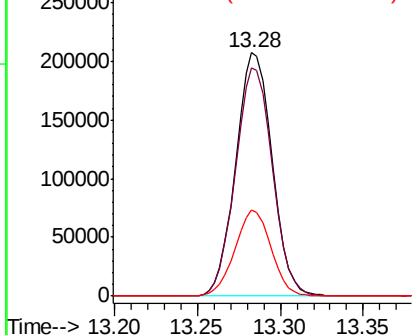


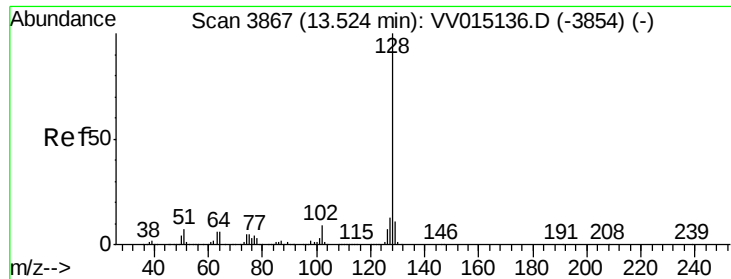
#68
 1,2,4-trichlorobenzene
 Concen: 48.899 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015142.D
 Acq: 25 Mar 2020 17:41

Tgt Ion:180 Resp: 318008
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.1 114.1
 145 35.2 26.6 40.0



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





#69

Naphthalene

Concen: 48.619 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

Instrument :

MSVOA_V

ClientSampleId :

BFB72

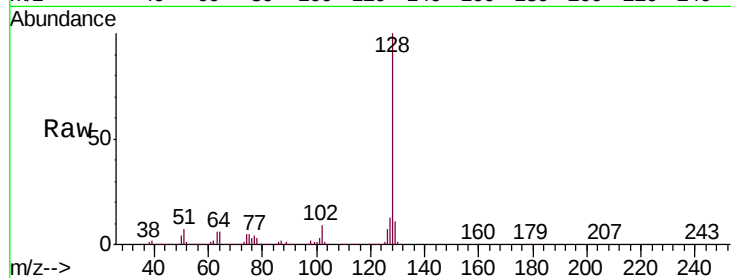
Tgt Ion:128 Resp: 1209599

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

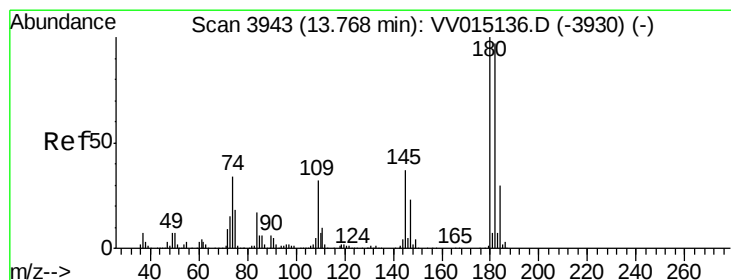
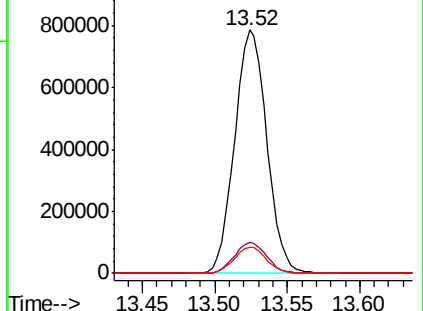
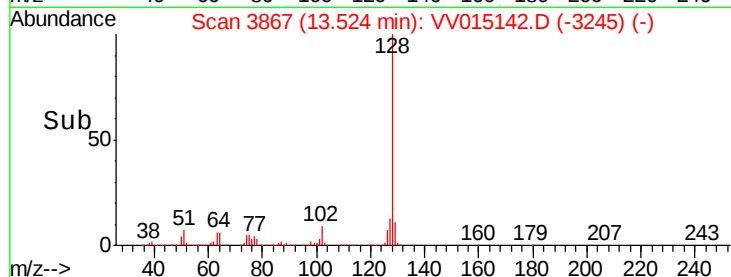
129 10.9 8.6 12.8



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: 49.395 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015142.D

Acq: 25 Mar 2020 17:41

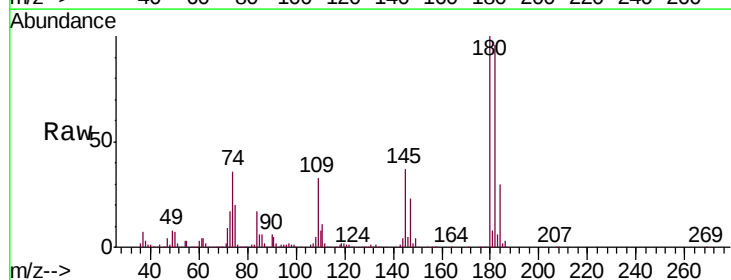
Tgt Ion:180 Resp: 319224

Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

145 36.8 29.6 44.4



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

