

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033120\
 Data File : VV015303.D
 Acq On : 31 Mar 2020 09:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 01 01:17:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 31 17:11:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	607478	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	613776	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	296077	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	185796	41.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.90%
7) Chloroethane-d5	1.58	69	184348	44.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.44%
11) 1,1-Dichloroethene-d2	2.12	63	414699	43.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.82%
21) 2-Butanone-d5	4.12	46	425	0.15	ug/L	0.19
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.15%#
24) Chloroform-d	4.38	84	380586	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
26) 1,2-Dichloroethane-d4	5.05	65	246045	47.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.54%
32) Benzene-d6	5.07	84	709809	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.09	67	232400	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.76%
41) Toluene-d8	7.33	98	689394	44.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.94%
43) trans-1,3-Dichloropropene-	7.64	79	124737	45.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.44%
47) 2-Hexanone-d5	8.11	63	215970	91.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	354767	47.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	263931	44.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	196573	45.996	ug/L 99
3) Chloromethane	1.25	50	236778	48.787	ug/L 100
5) Vinyl chloride	1.32	62	249749	48.777	ug/L 96
6) Bromomethane	1.53	94	168647	49.237	ug/L 98
8) Chloroethane	1.60	64	176585	50.013	ug/L 98
9) Trichlorofluoromethane	1.77	101	456923	52.794	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	235544	50.753	ug/L 99
12) 1,1-Dichloroethene	2.13	96	220528	49.084	ug/L 94
13) Acetone	2.21	43	185276	93.733	ug/L 99
14) Carbon disulfide	2.31	76	497157	45.472	ug/L 99
15) Methyl Acetate	2.46	43	193021	48.632	ug/L 100
16) Methylene chloride	2.52	84	203575	48.431	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	180884	48.044	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	645271	50.337	ug/L 99
19) 1,1-Dichloroethane	3.21	63	355714	50.676	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	212083	50.111	ug/L # 97
22) 2-Butanone	4.01	43	278771	96.747	ug/L 95

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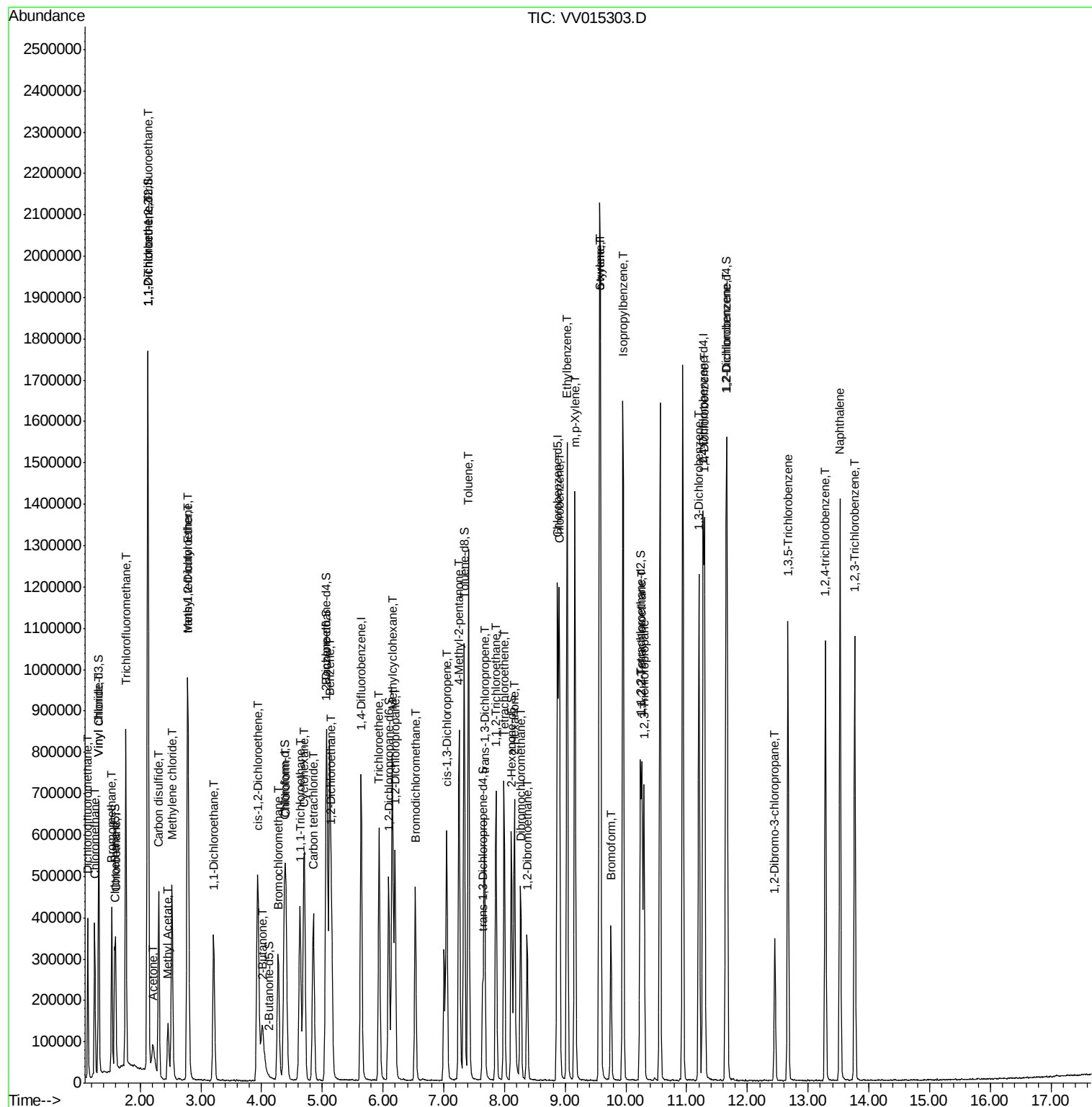
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	100871	48.416	ug/L	97
25) Chloroform	4.40	83	377263	50.338	ug/L	99
27) 1,2-Dichloroethane	5.15	62	300335	50.384	ug/L	99
29) Cyclohexane	4.70	56	316310	48.584	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	344691	49.530	ug/L	99
31) Carbon tetrachloride	4.85	117	289946	49.181	ug/L	100
33) Benzene	5.12	78	799173	49.185	ug/L	100
34) Trichloroethene	5.94	95	211577	48.539	ug/L	99
35) Methylcyclohexane	6.15	83	343029	50.174	ug/L	99
37) 1,2-Dichloropropane	6.20	63	210310	50.886	ug/L	99
38) Bromodichloromethane	6.53	83	301110	50.663	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	350869	50.269	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	571754	93.042	ug/L	99
42) Toluene	7.41	91	917163	50.282	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	345573	50.388	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	205746	49.415	ug/L	98
46) Tetrachloroethene	7.99	164	139783	48.463	ug/L	98
48) 2-Hexanone	8.16	43	443253	94.025	ug/L	100
49) Dibromochloromethane	8.27	129	228226	50.155	ug/L	98
50) 1,2-Dibromoethane	8.37	107	218149	48.222	ug/L	99
51) Chlorobenzene	8.90	112	592318	49.895	ug/L	97
52) Ethylbenzene	9.03	91	1052170	51.153	ug/L	99
53) m,p-Xylene	9.16	106	401813	51.215	ug/L	100
54) o-xylene	9.57	106	398509	51.059	ug/L	98
55) Styrene	9.58	104	685966	51.505	ug/L	100
56) Isopropylbenzene	9.95	105	1059160	51.553	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	348227	50.395	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	278996	48.791	ug/L	98
61) Bromoform	9.75	173	147318	49.892	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	443140	49.075	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	451459	48.983	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	450343	49.422	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	89621	44.702	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	288198	50.007	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	269367	49.191	ug/L	99
69) Naphthalene	13.53	128	1035718	47.448	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	267166	48.613	ug/L	98

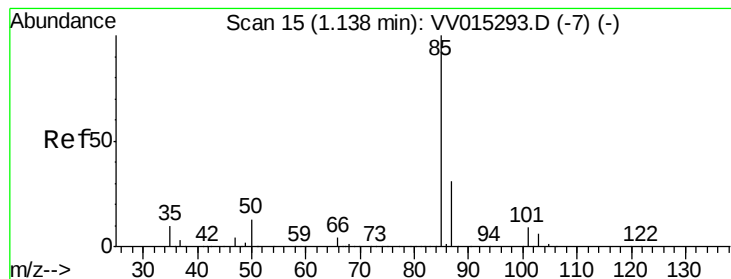
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.996 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Instrument :

MSVOA_V

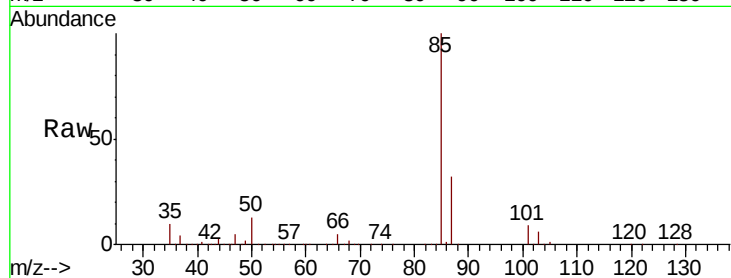
ClientSampled :

Tot Ion: 85 Resp: 196573

Ion Ratio Lower Upper

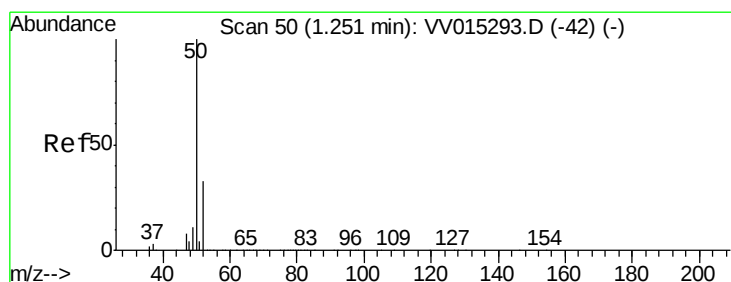
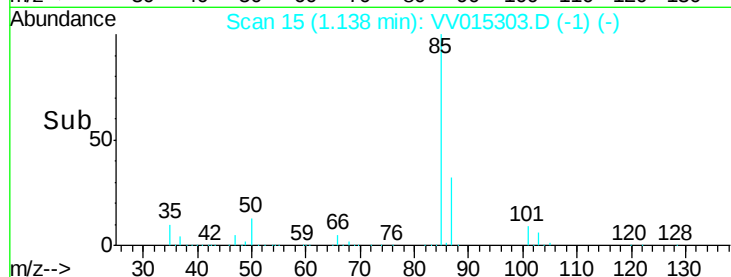
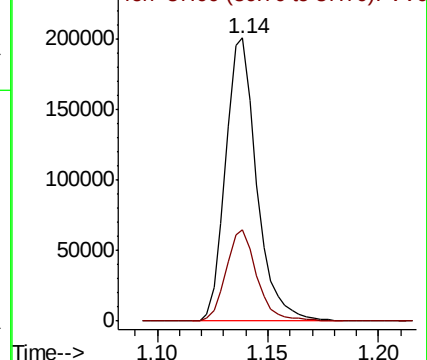
85 100

87 31.9 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 48.787 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015303.D

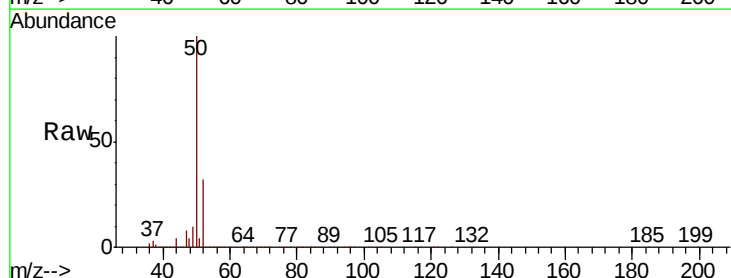
Acq: 31 Mar 2020 09:56

Tgt Ion: 50 Resp: 236778

Ion Ratio Lower Upper

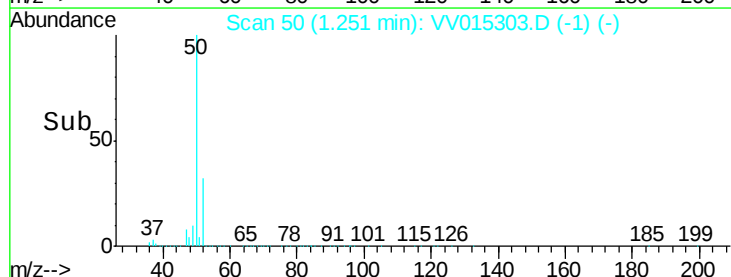
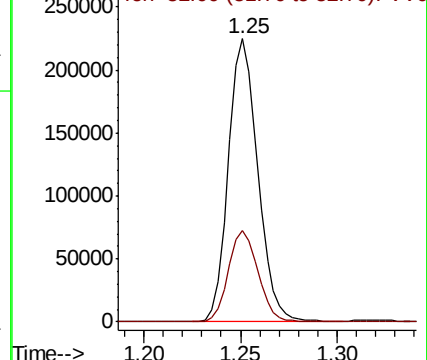
50 100

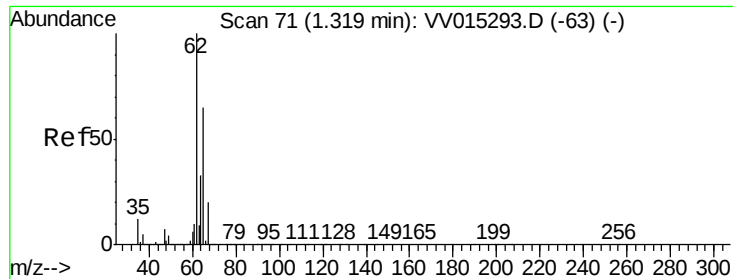
52 32.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 48.777 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

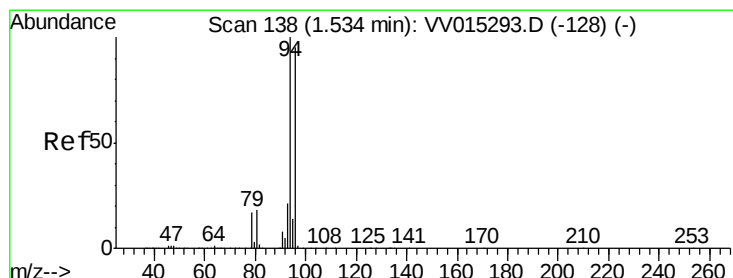
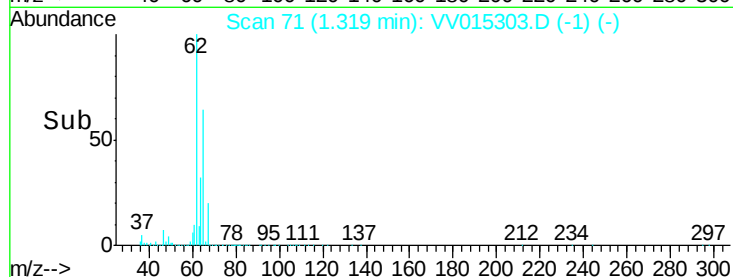
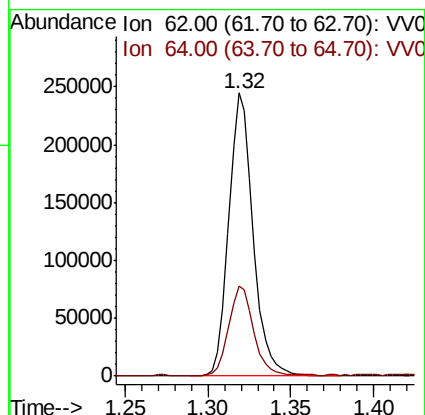
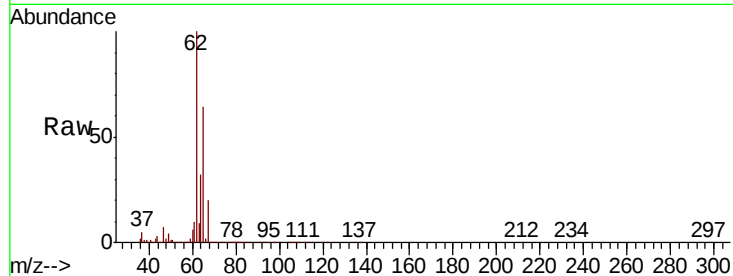
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 249749

Ion Ratio Lower Upper

62 100

64 31.9 23.9 44.3



#6

Bromomethane

Concen: 49.237 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015303.D

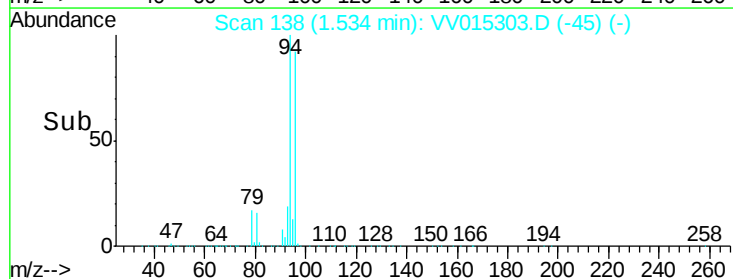
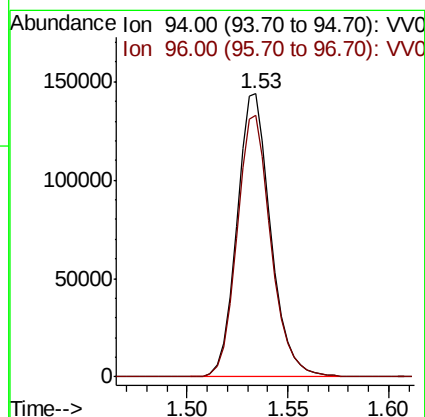
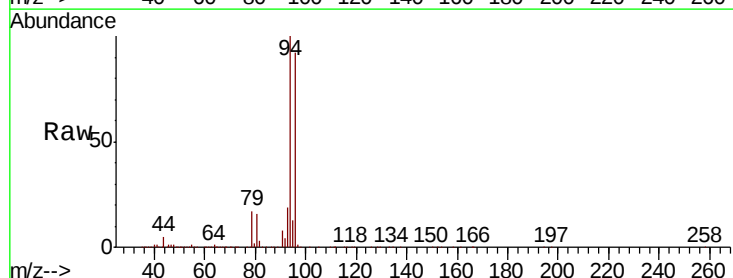
Acq: 31 Mar 2020 09:56

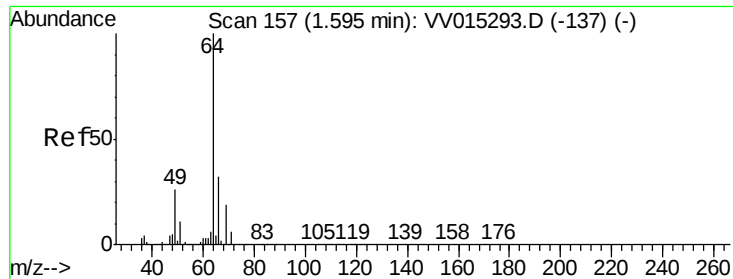
Tgt Ion: 94 Resp: 168647

Ion Ratio Lower Upper

94 100

96 92.4 63.7 118.3

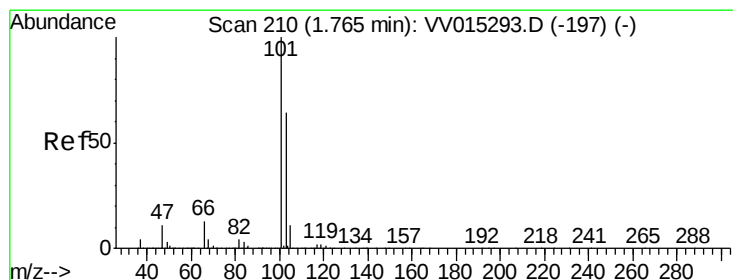
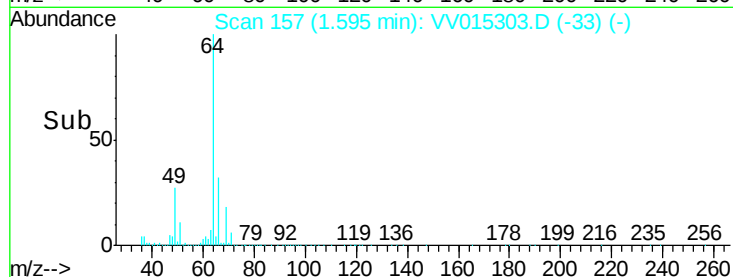
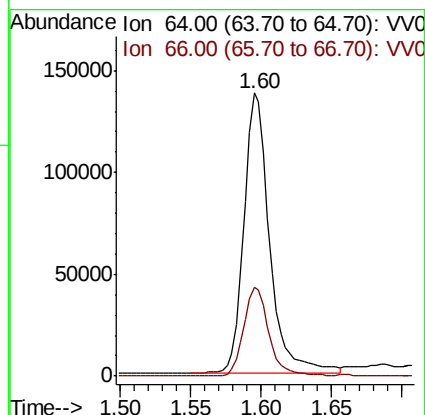
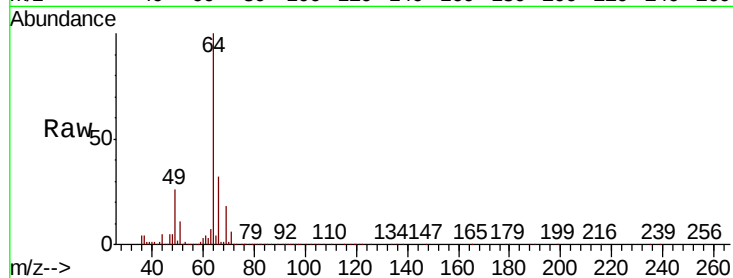




#8
Chloroethane
Concen: 50.013 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

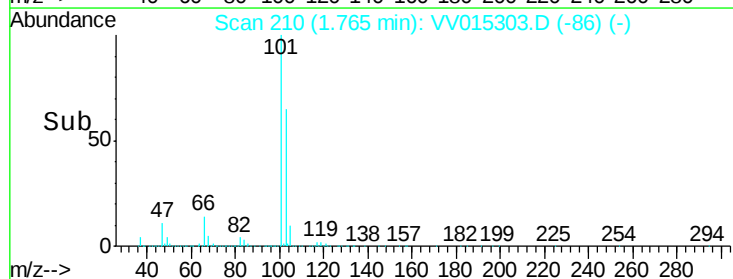
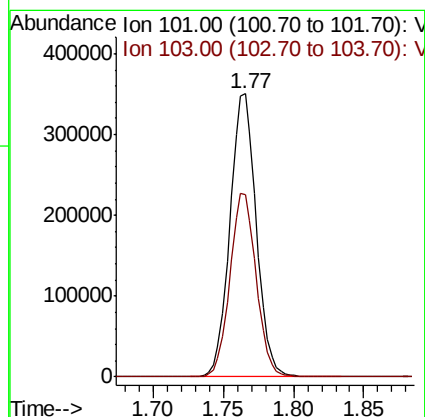
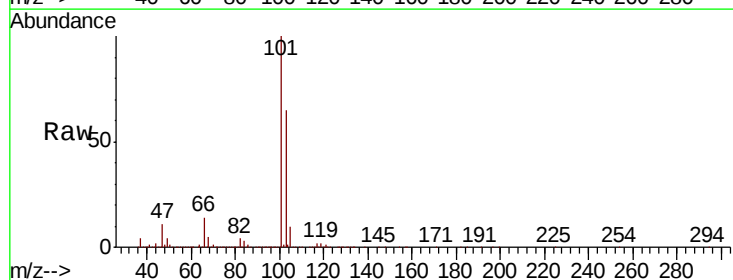
Instrument :
MSVOA_V
ClientSampleId :

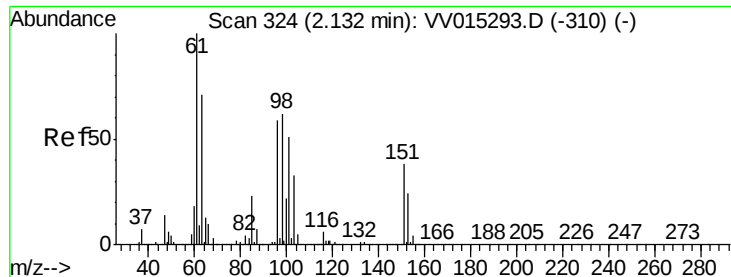
Tot Ion: 64 Resp: 176585
Ion Ratio Lower Upper
64 100
66 31.5 21.5 39.9



#9
Trichlorofluoromethane
Concen: 52.794 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

Tgt Ion: 101 Resp: 456923
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9





#10

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

Concen: 50.753 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

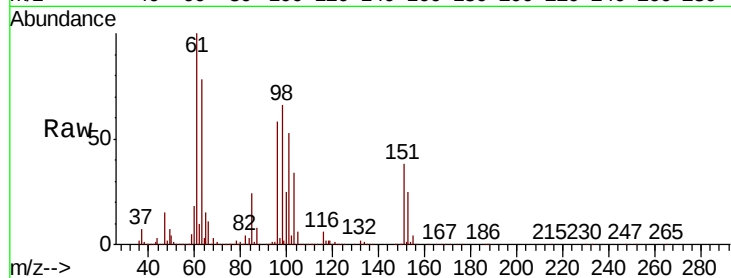
Tot Ion:101 Resp: 23544

Ion Ratio Lower Upper

101 100

85 44.9 35.0 52.6

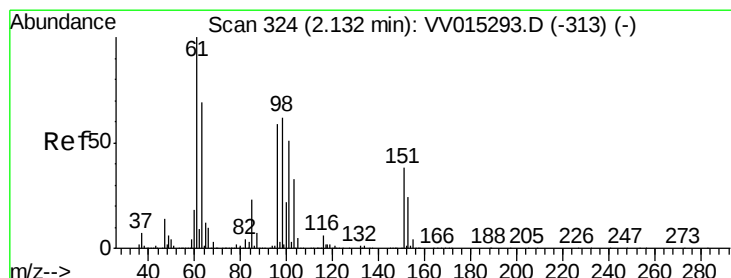
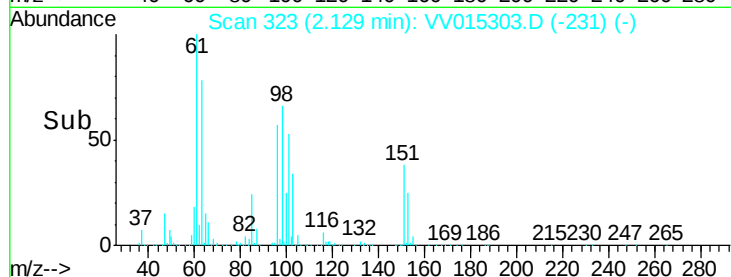
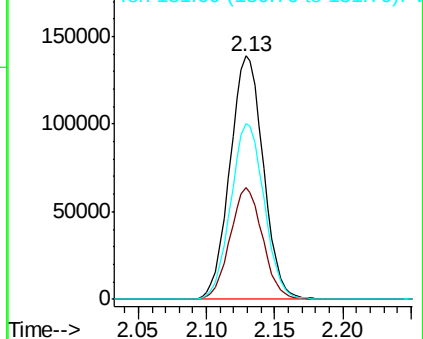
151 72.5 58.2 87.4



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: 49.084 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

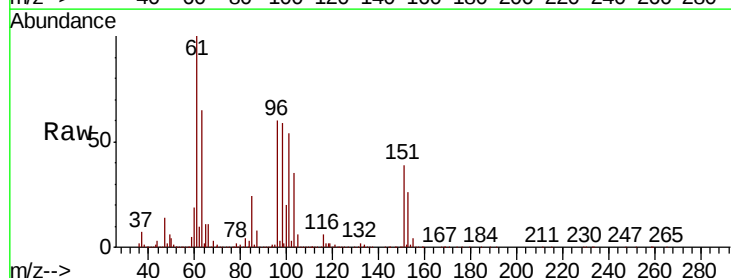
Tgt Ion: 96 Resp: 220528

Ion Ratio Lower Upper

96 100

61 166.6 120.9 224.5

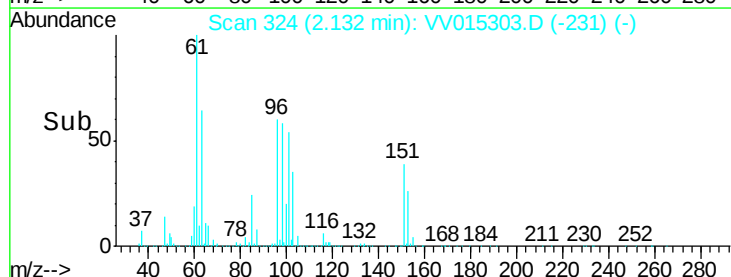
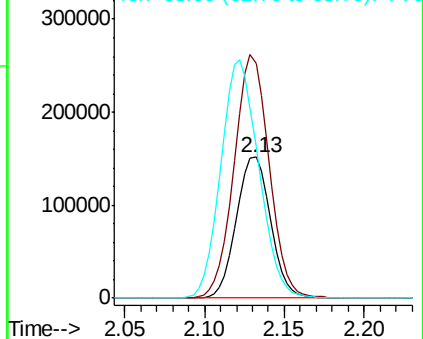
63 107.6 81.2 150.8

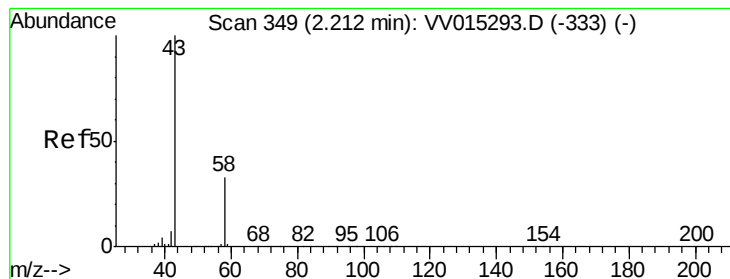


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 93.733 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

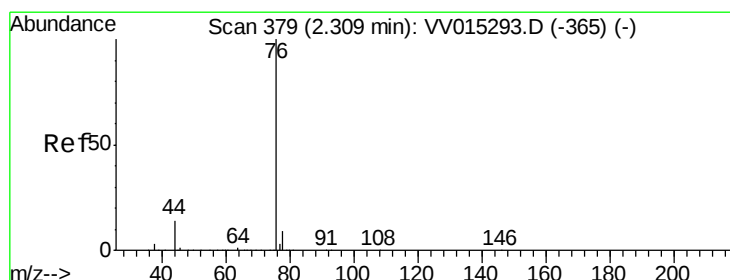
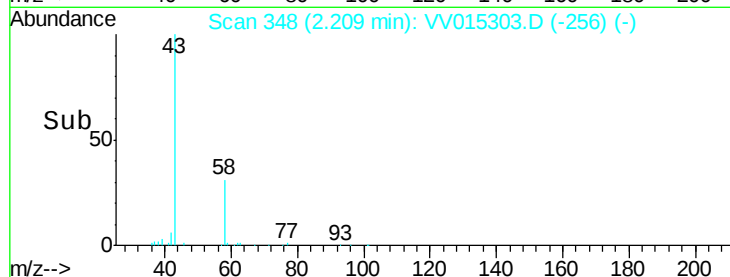
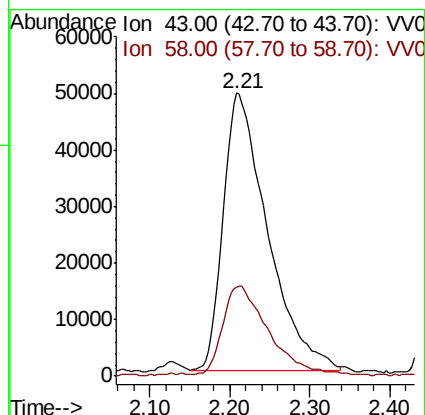
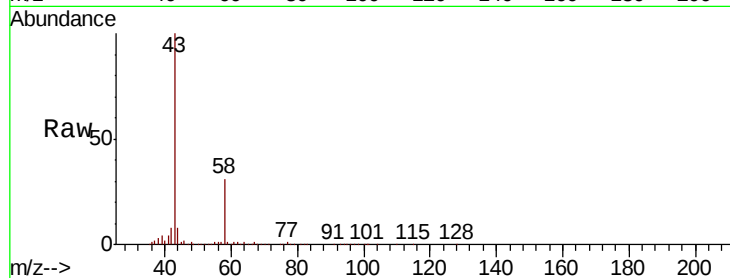
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 185276

Ion Ratio Lower Upper

43 100

58 31.4 0.0 63.6



#14

Carbon disulfide

Concen: 45.472 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015303.D

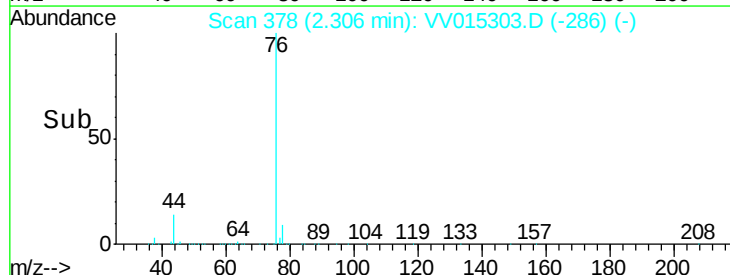
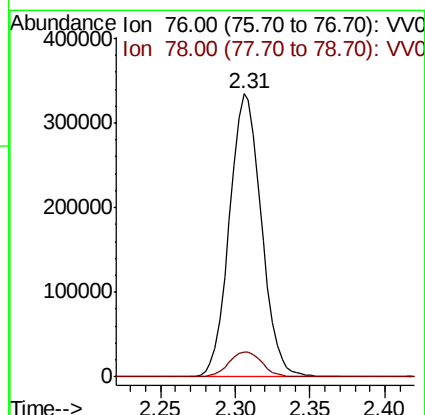
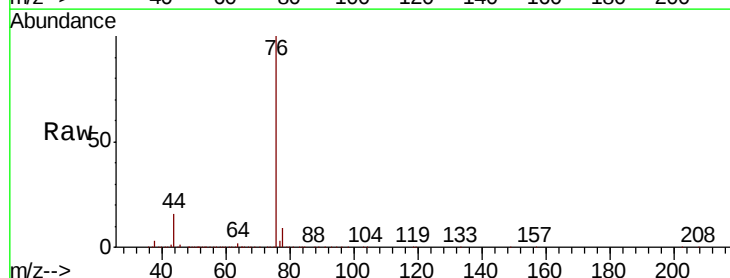
Acq: 31 Mar 2020 09:56

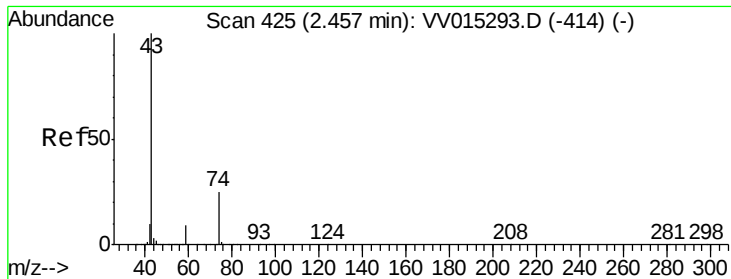
Tgt Ion: 76 Resp: 497157

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

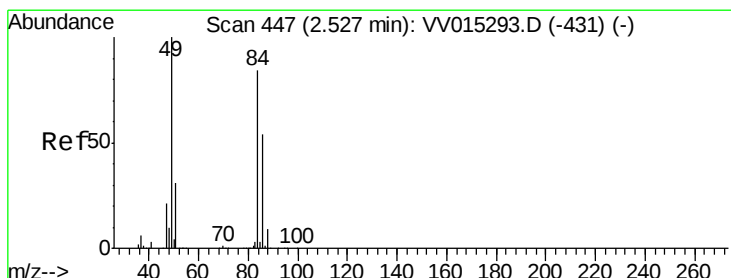
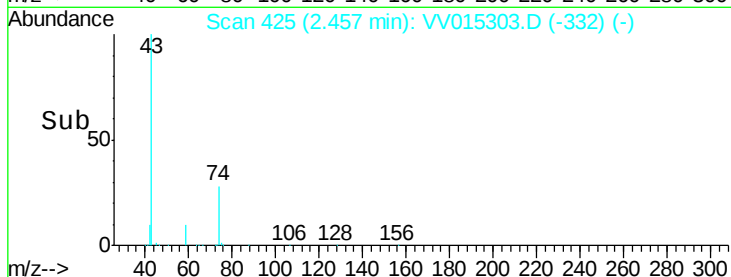
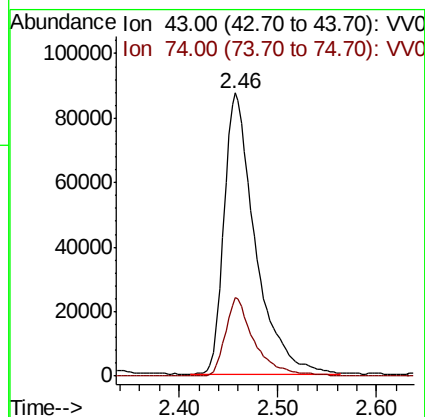
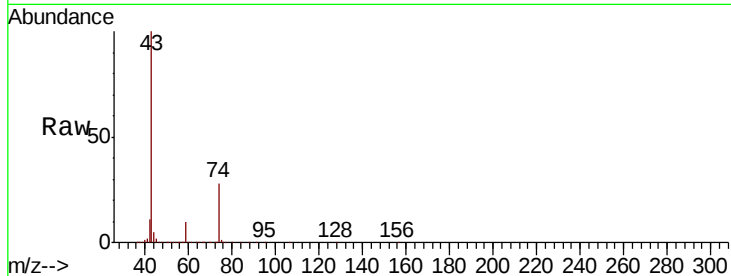




#15
Methvl Acetate
Concen: 48.632 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

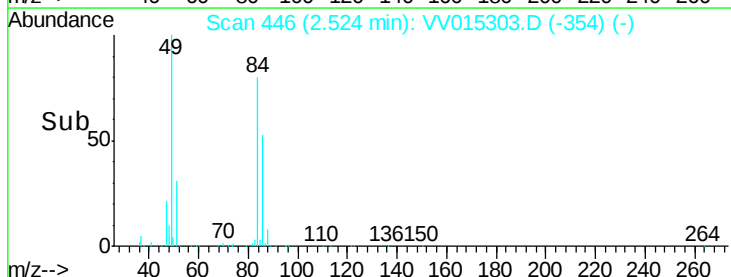
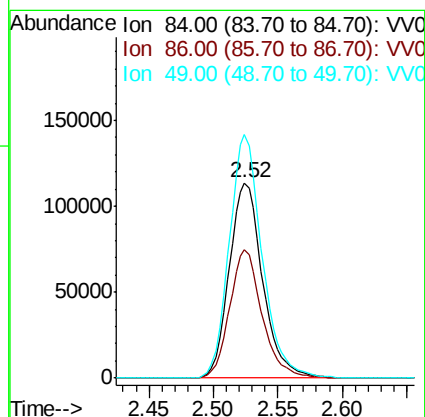
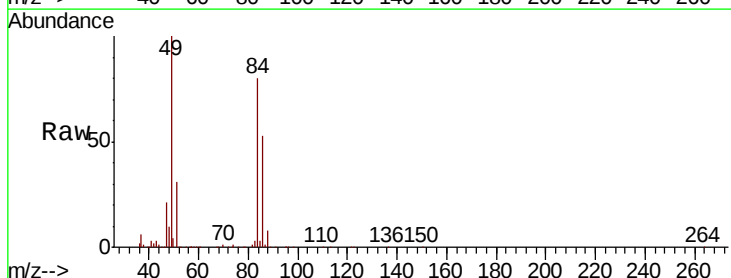
Instrument :
MSVOA_V
ClientSampleId :

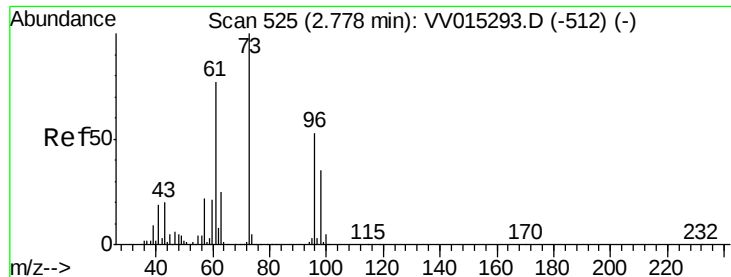
Tot Ion: 43 Resp: 193021
Ion Ratio Lower Upper
43 100
74 25.5 20.3 30.5



#16
Methylene chloride
Concen: 48.431 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

Tgt Ion: 84 Resp: 203575
Ion Ratio Lower Upper
84 100
86 65.8 45.5 84.5
49 124.9 83.7 155.4





#17

trans-1,2-Dichloroethene

Concen: 48.044 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Instrument :
MSVOA_V
ClientSampleId :

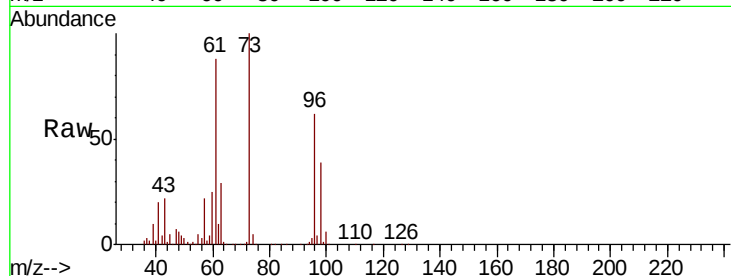
Tot Ion: 96 Resp: 180884

Ion Ratio Lower Upper

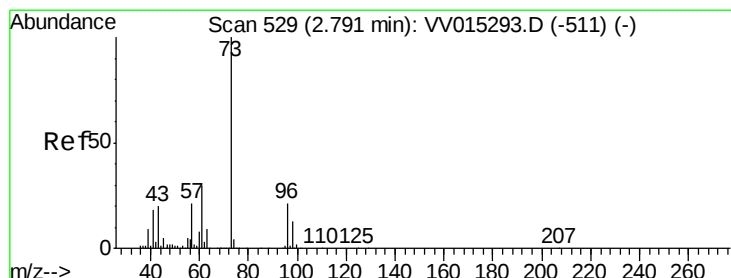
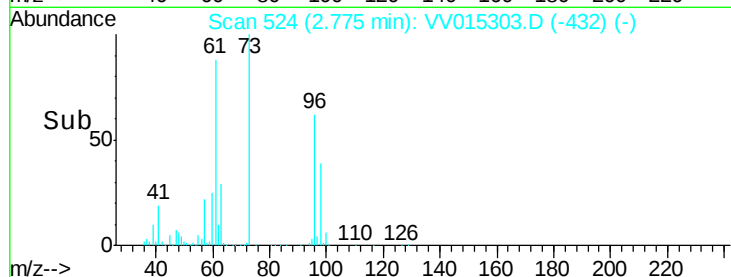
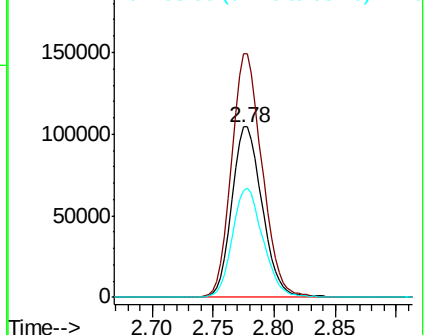
96 100

61 142.8 98.5 182.9

98 62.4 45.5 84.5



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: 50.337 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

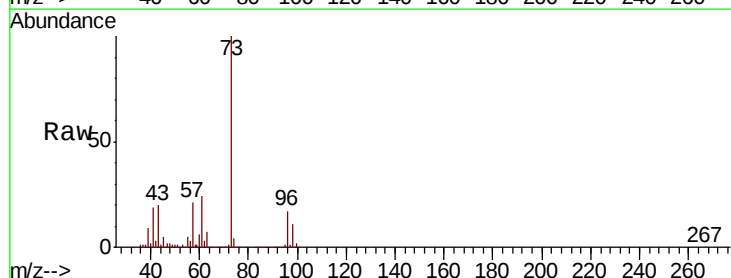
Tgt Ion: 73 Resp: 645271

Ion Ratio Lower Upper

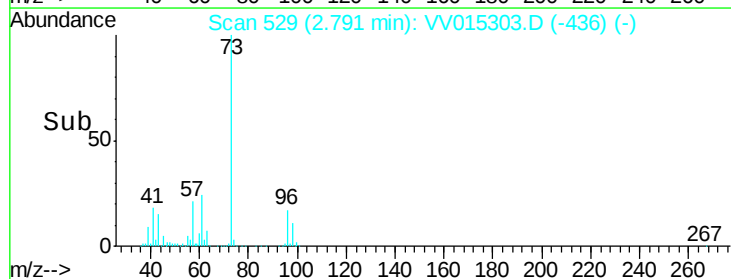
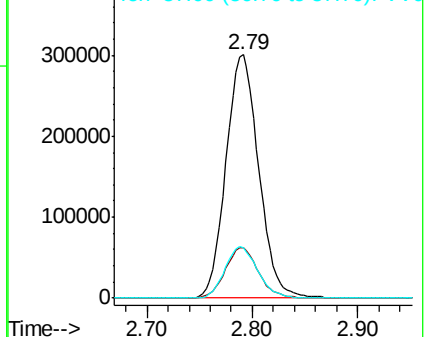
73 100

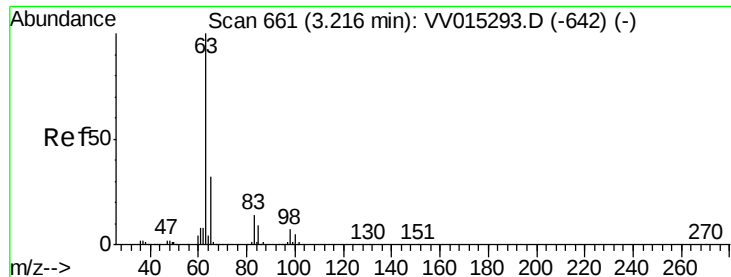
43 20.7 15.7 23.5

57 20.9 16.6 25.0



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

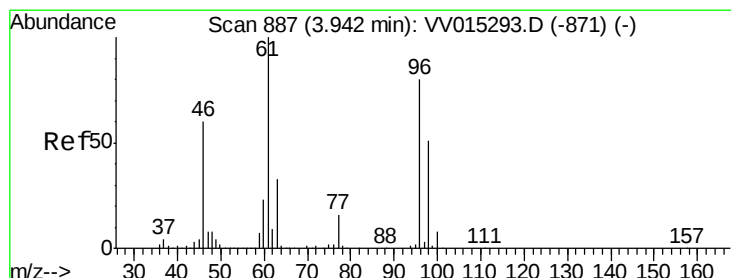
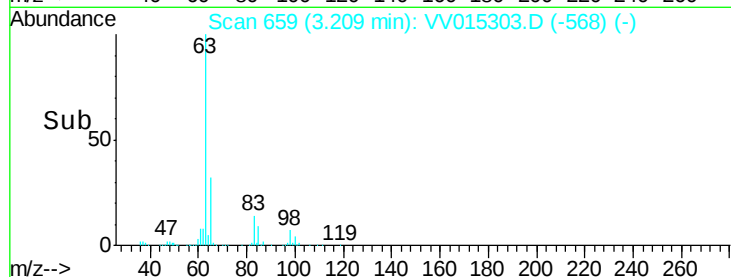
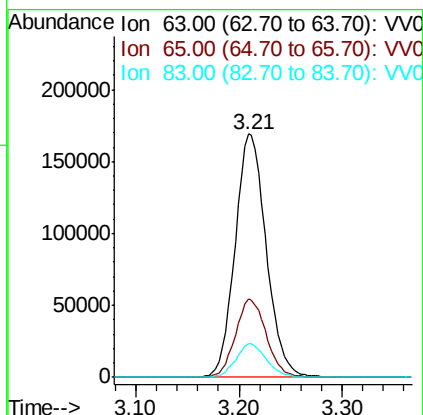
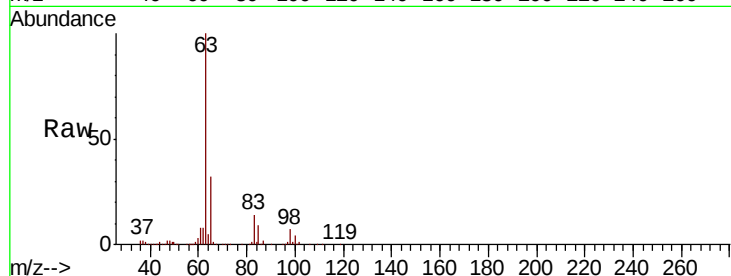




#19
 1,1-Dichloroethane
 Concen: 50.676 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

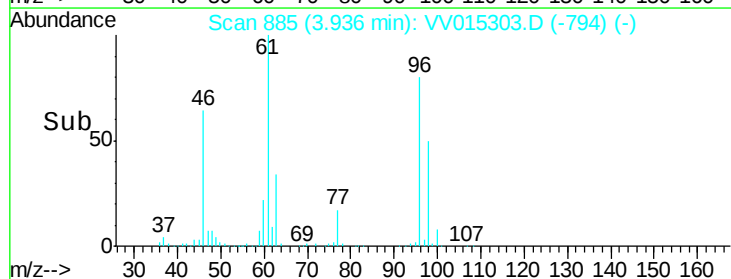
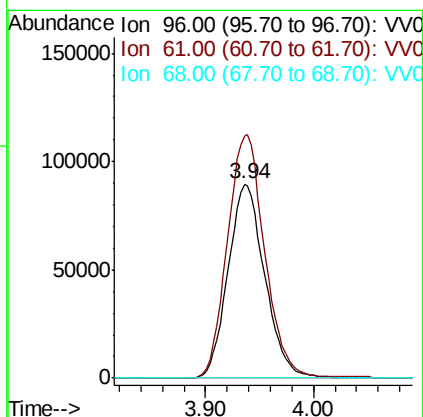
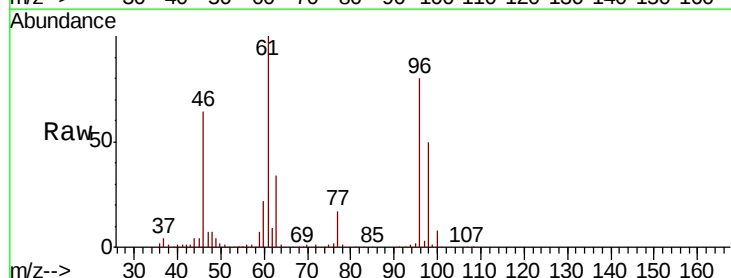
Instrument :
 MSVOA_V
 ClientSampleId :

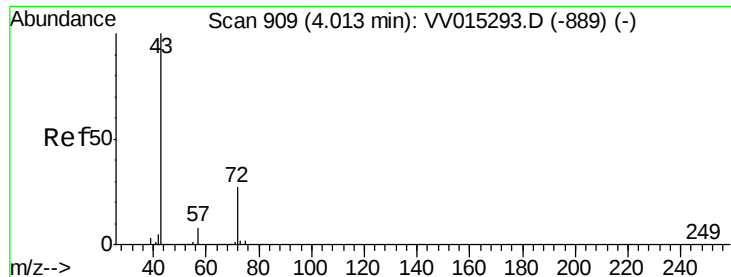
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.2	41.2
83	13.9	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 50.111 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.0	90.2	167.6
68	0.2	0.1	0.1#





#22

2-Butanone

Concen: 96.747 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

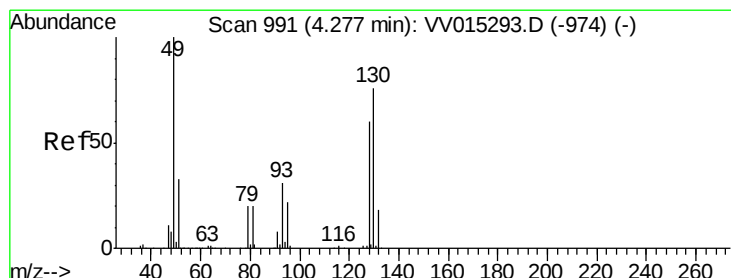
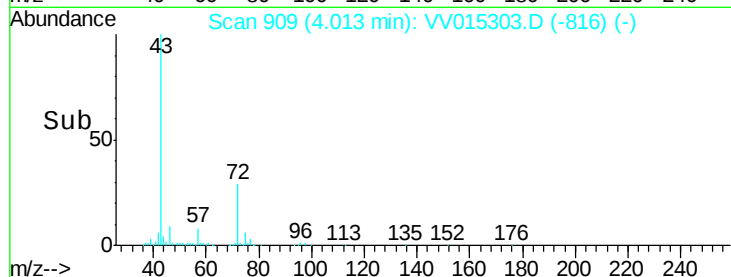
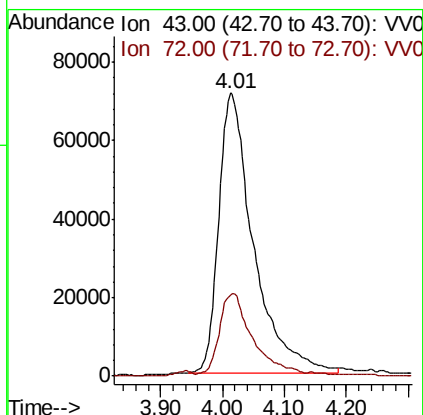
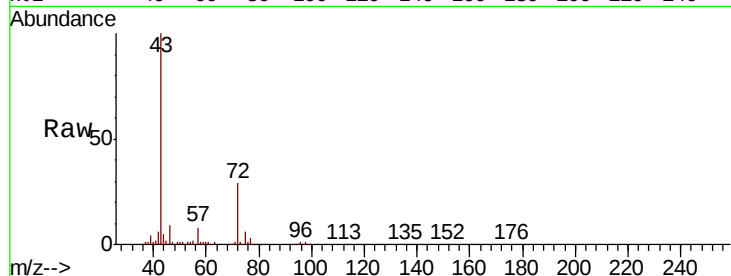
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 278771

Ion Ratio Lower Upper

43 100

72 27.2 12.4 37.0



#23

Bromochloromethane

Concen: 48.416 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Tgt Ion:128 Resp: 100871

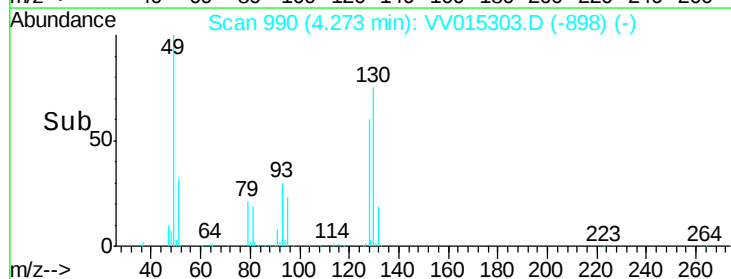
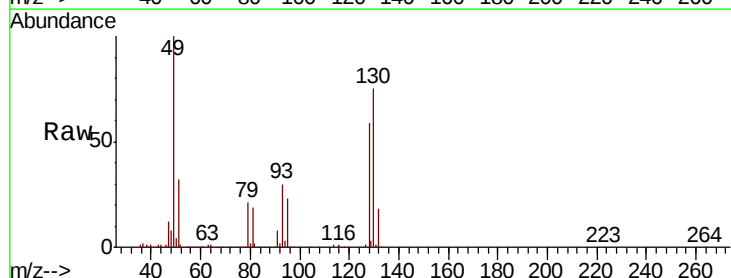
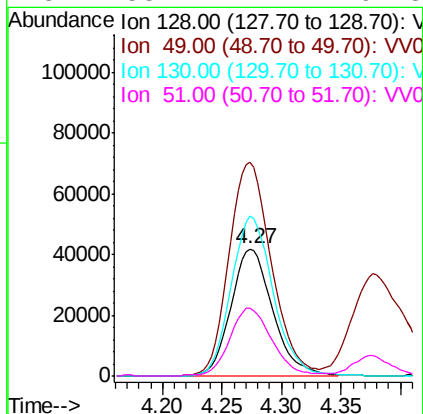
Ion Ratio Lower Upper

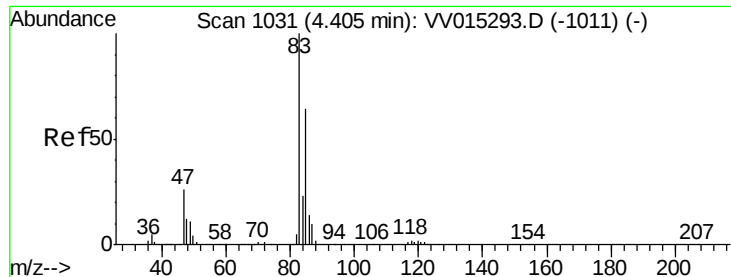
128 100

49 168.1 116.3 216.1

130 125.8 91.1 169.3

51 53.7 41.2 61.8

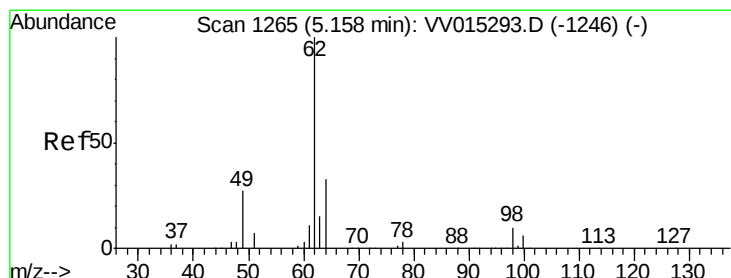
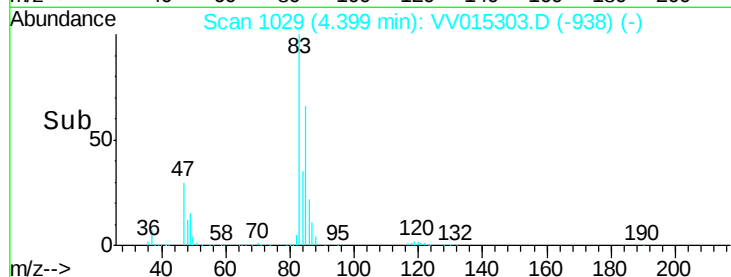
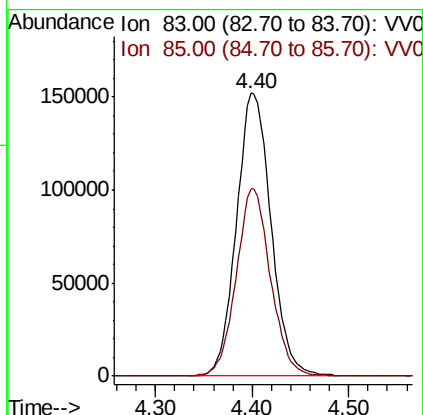
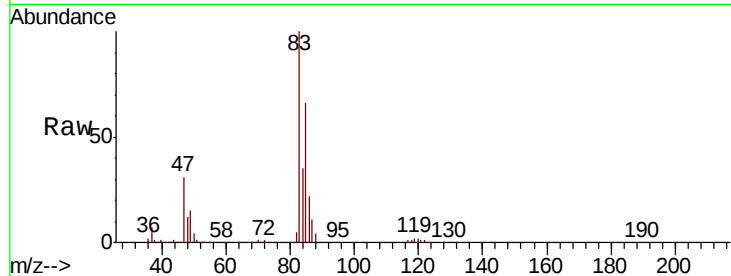




#25
Chloroform
Concen: 50.338 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

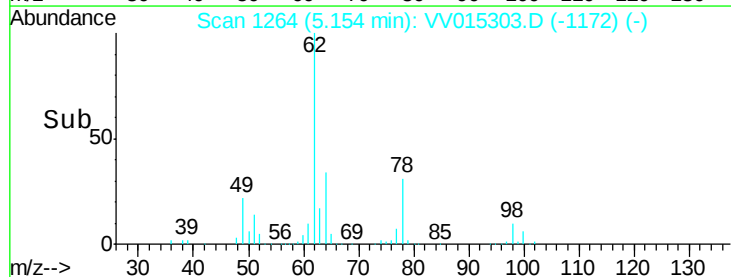
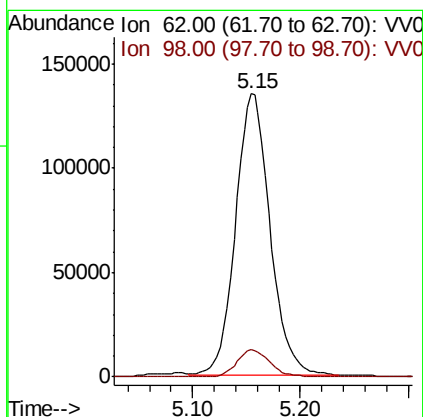
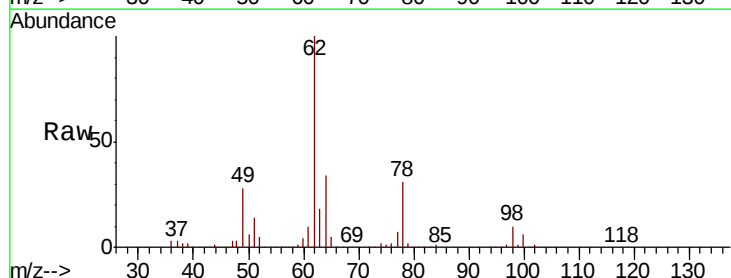
Instrument :
MSVOA_V
ClientSampleId :

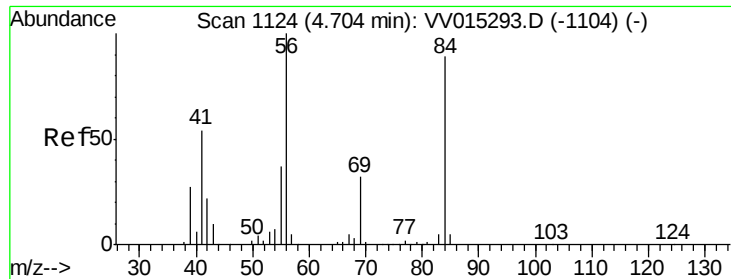
Tot Ion: 83 Resp: 377263
Ion Ratio Lower Upper
83 100
85 66.1 46.6 86.6



#27
1,2-Dichloroethane
Concen: 50.384 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

Tgt Ion: 62 Resp: 300335
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.0

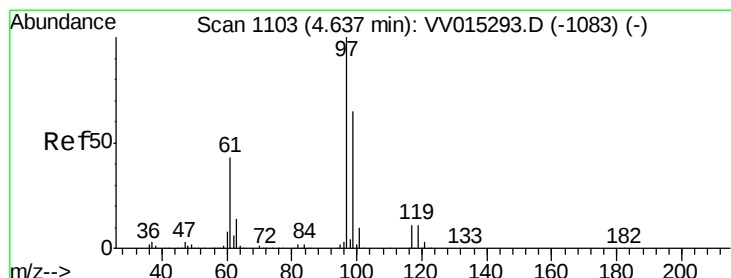
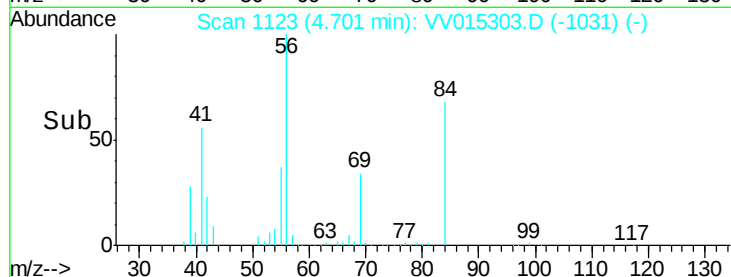
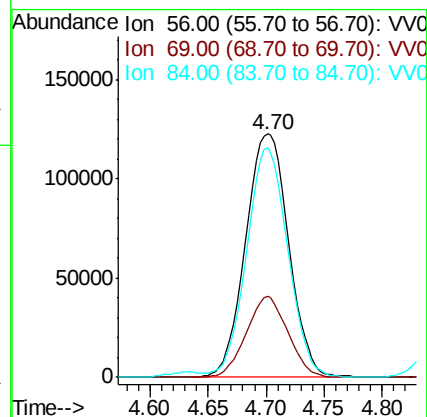
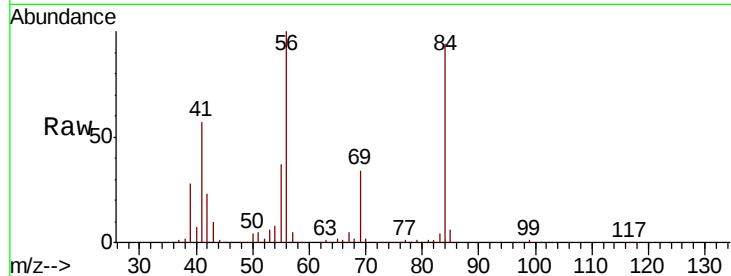




#29
Cyclohexane
Concen: 48.584 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

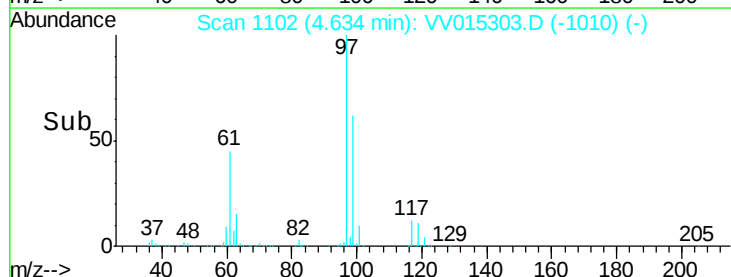
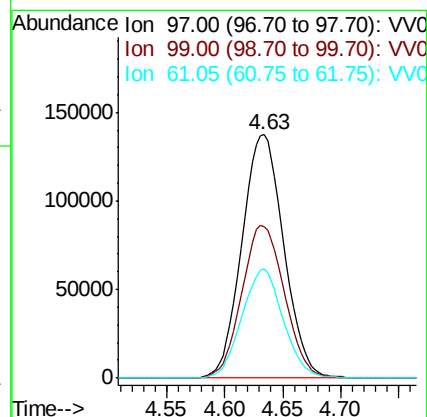
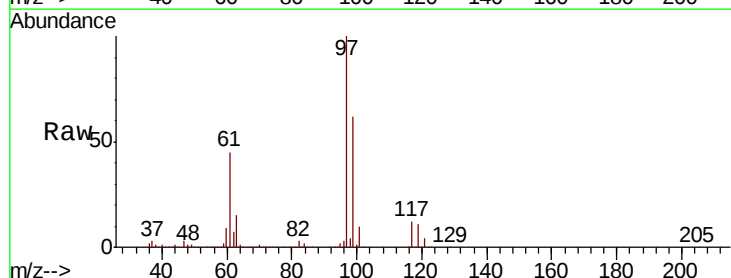
Instrument :
MSVOA_V
ClientSampleId :

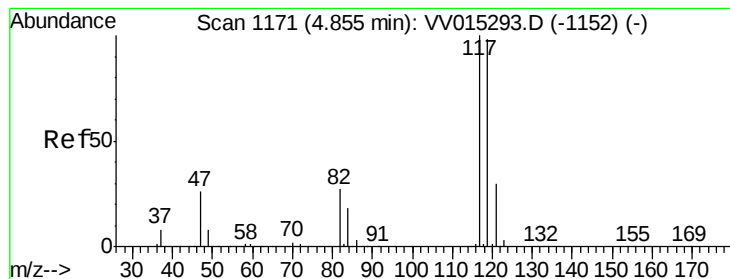
Tot Ion: 56 Resp: 316310
Ion Ratio Lower Upper
56 100
69 32.1 25.3 37.9
84 90.4 72.7 109.1



#30
1,1,1-Trichloroethane
Concen: 49.530 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

Tgt Ion: 97 Resp: 344691
Ion Ratio Lower Upper
97 100
99 63.9 50.9 76.3
61 44.0 34.3 51.5





#31

Carbon tetrachloride

Concen: 49.181 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Instrument :

MSVOA_V

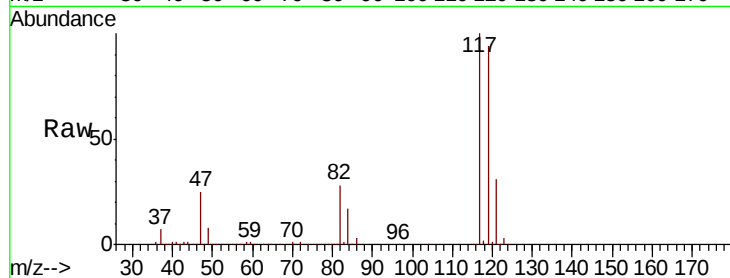
ClientSampleId :

Tot Ion:117 Resp: 289946

Ion Ratio Lower Upper

117 100

119 94.6 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

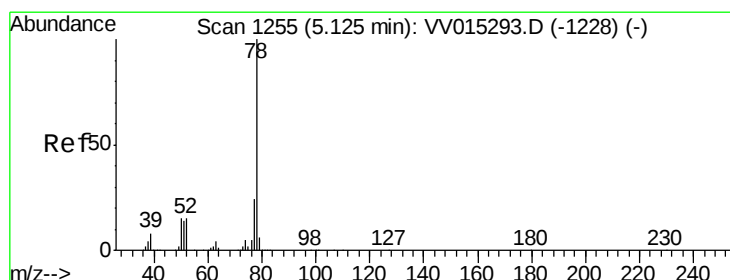
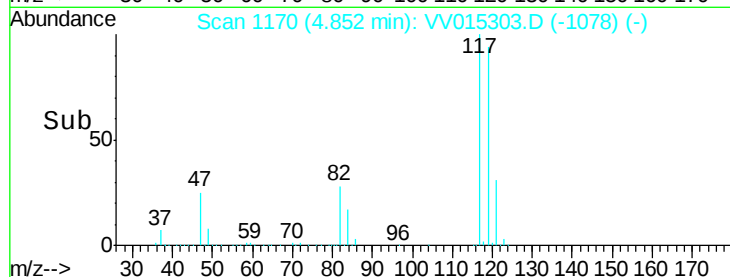
4.85

100000

50000

0

Time-->



#33

Benzene

Concen: 49.185 ug/L

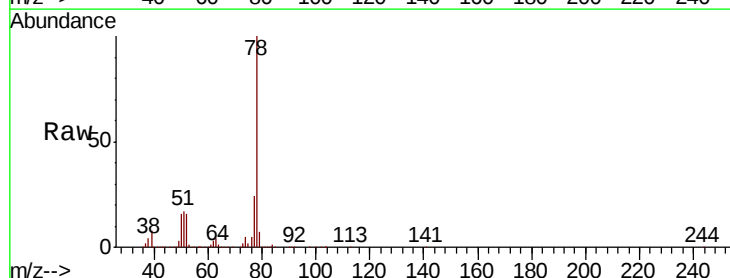
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Tgt Ion: 78 Resp: 799173



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.12

400000

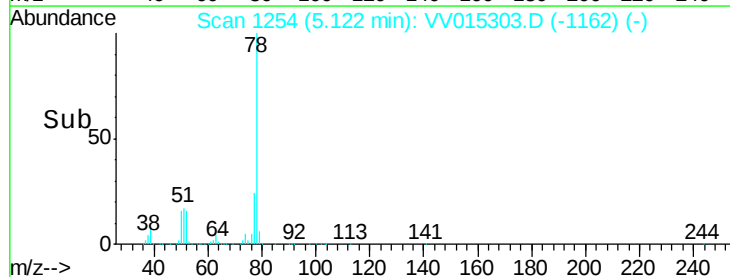
300000

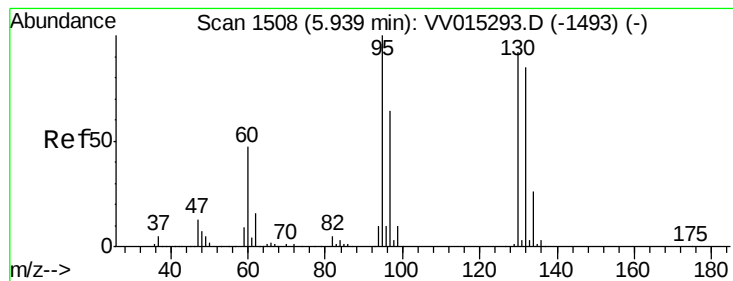
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 48.539 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 211577

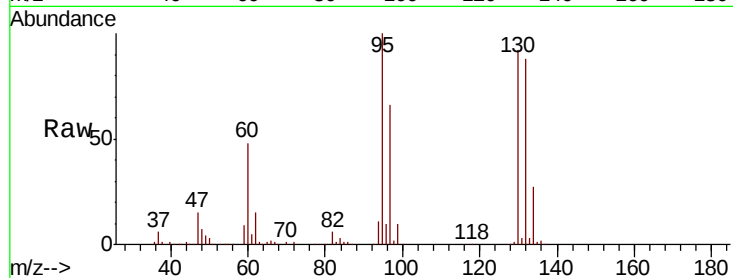
Ion Ratio Lower Upper

95 100

97 65.9 44.0 81.6

132 88.3 61.8 114.8

130 92.2 64.5 119.9

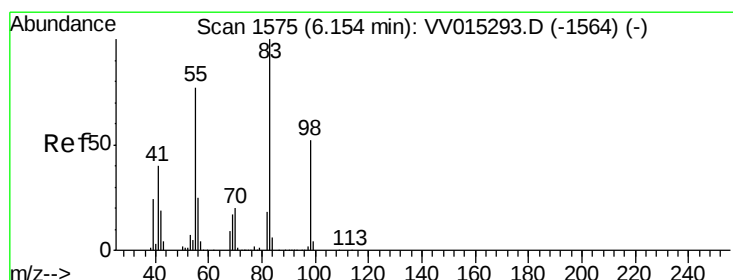
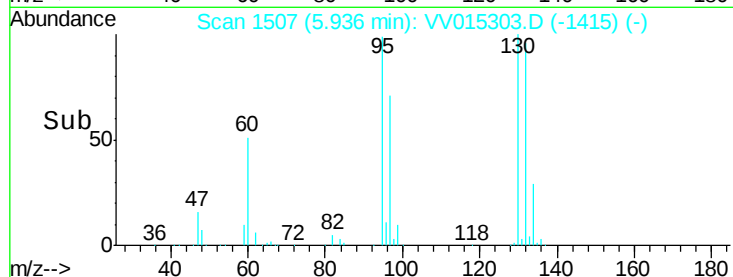
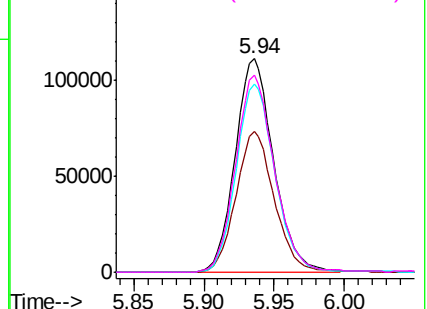


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 50.174 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

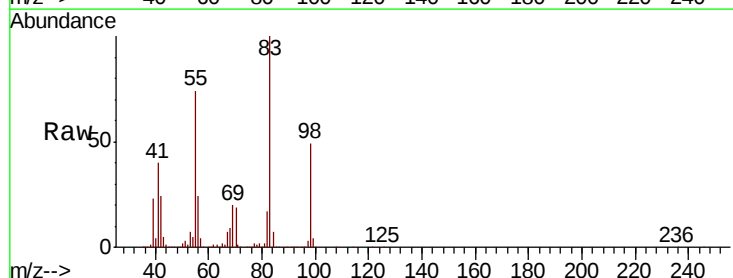
Tgt Ion: 83 Resp: 343029

Ion Ratio Lower Upper

83 100

55 75.1 59.4 89.2

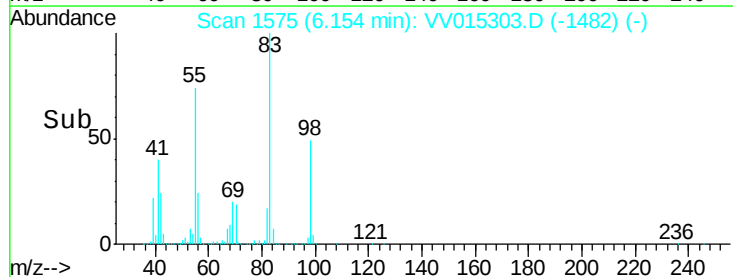
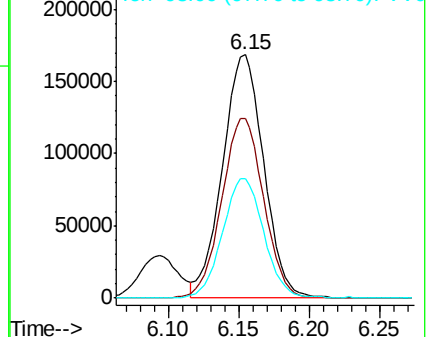
98 49.3 38.6 58.0

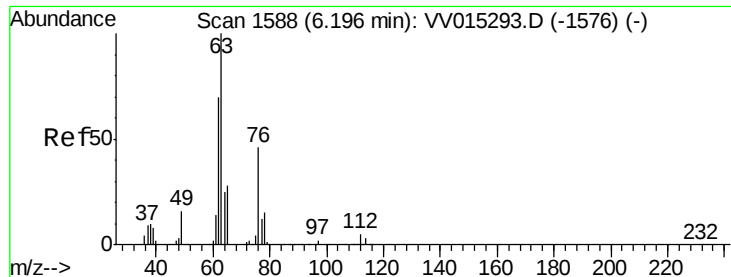


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

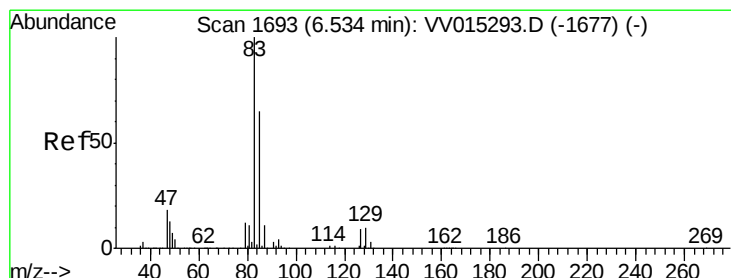
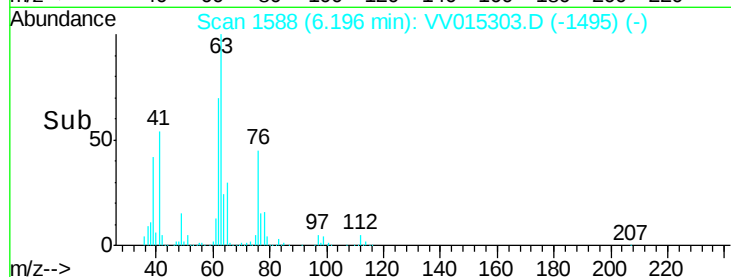
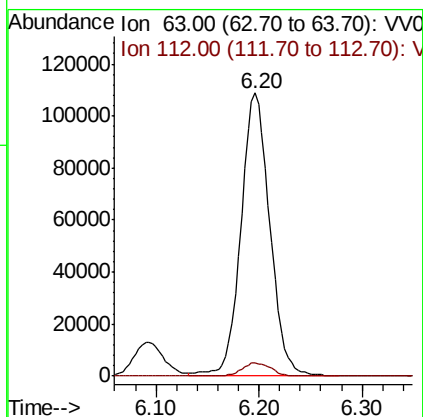
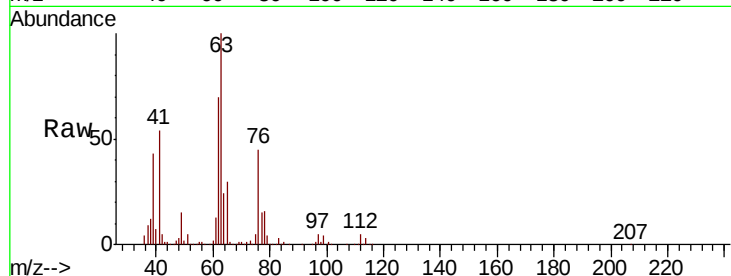




#37
 1,2-Dichloropropane
 Concen: 50.886 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

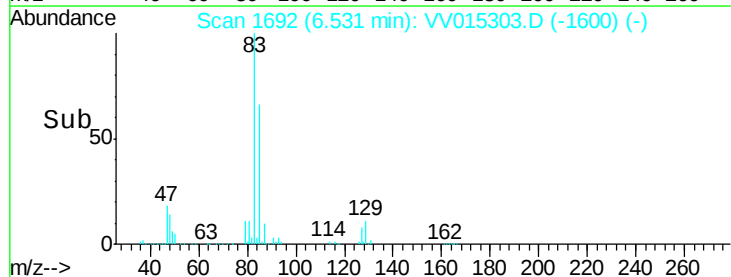
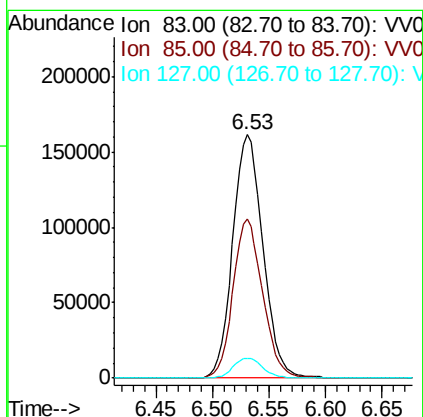
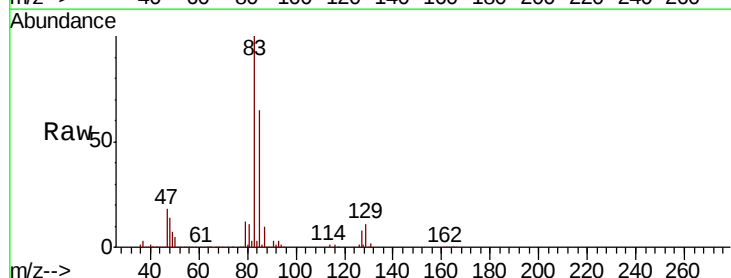
Instrument :
 MSVOA_V
 ClientSampleId :

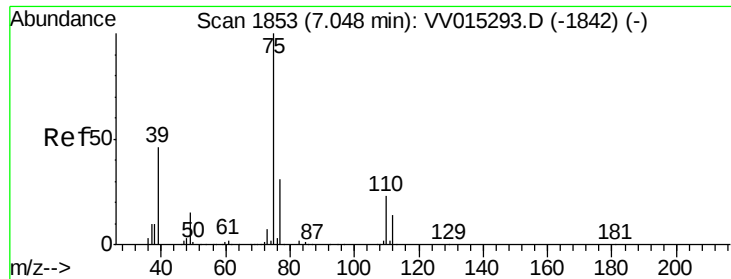
Tot Ion: 63 Resp: 210310
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.7 5.5



#38
 Bromodichloromethane
 Concen: 50.663 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

Tgt Ion: 83 Resp: 301110
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.1 83.9
 127 8.1 6.3 9.5

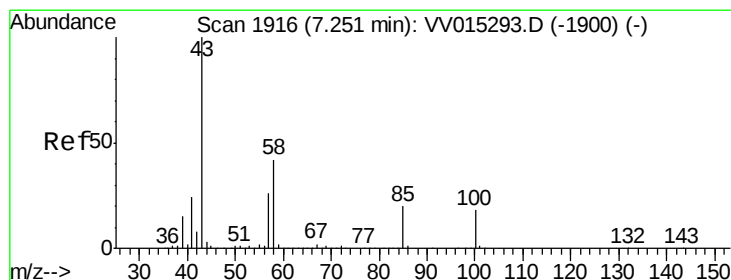
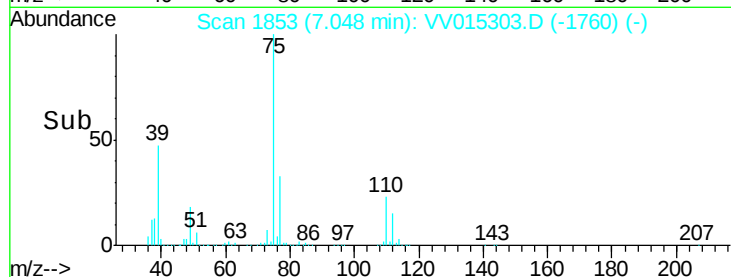
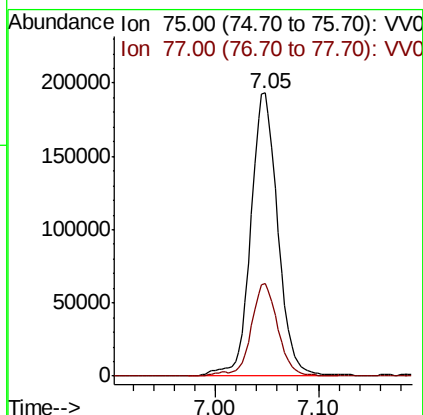
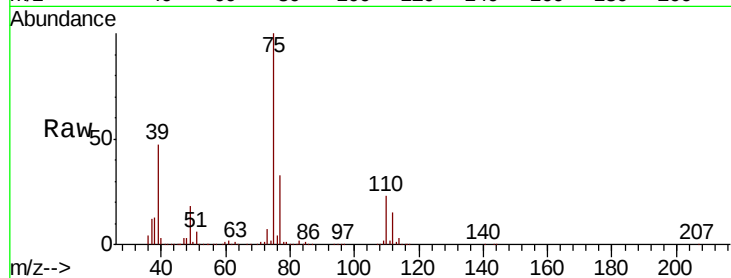




#39
 cis-1,3-Dichloropropene
 Concen: 50.269 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

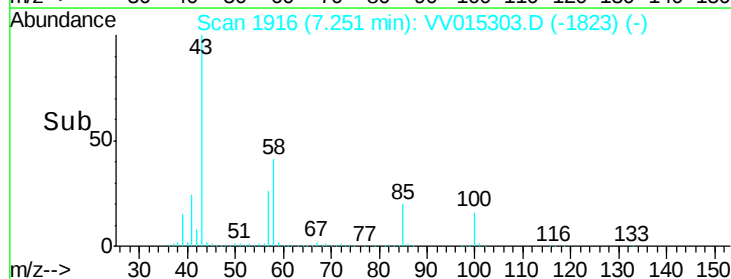
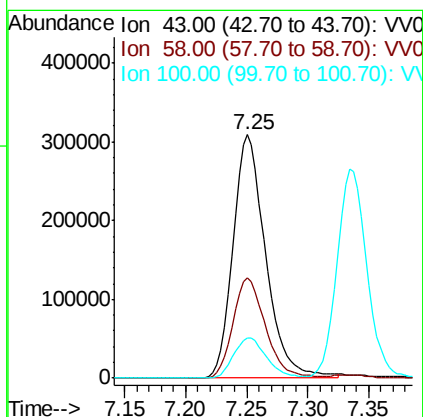
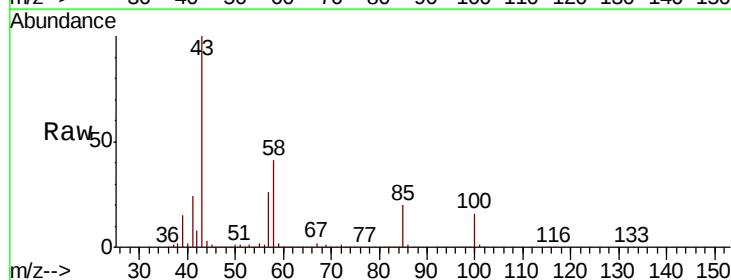
Instrument :
 MSVOA_V
 ClientSampleId :

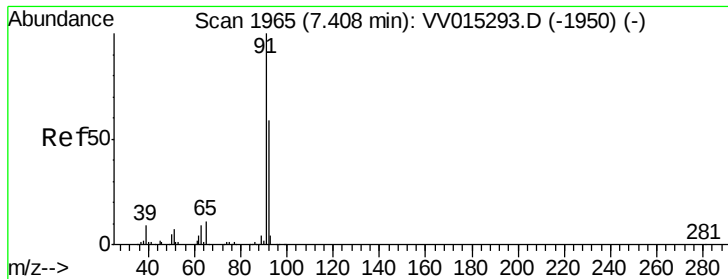
Tot Ion: 75 Resp: 350869
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 93.042 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

Tgt Ion: 43 Resp: 571754
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.9 49.3
 100 16.6 13.9 20.9





#42

Toluene

Concen: 50.282 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

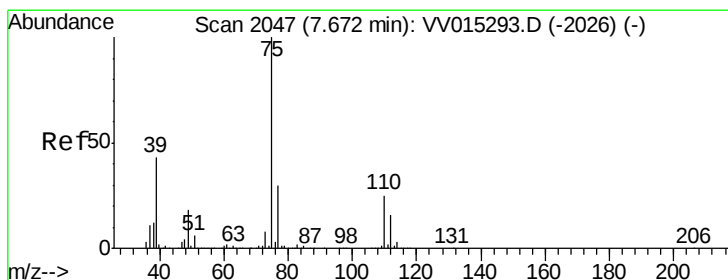
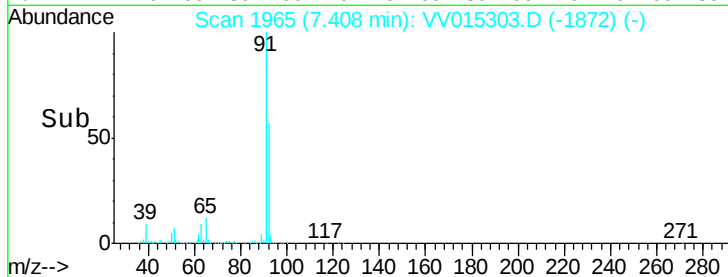
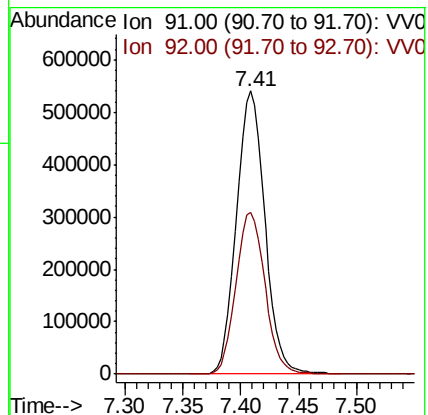
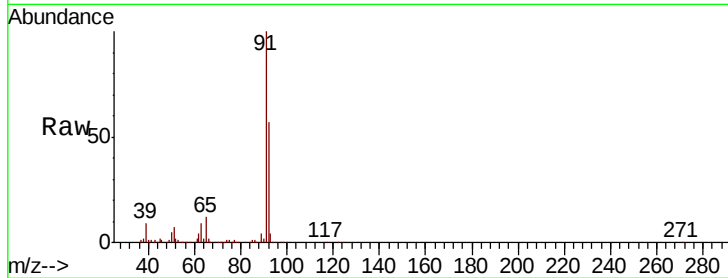
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 917163

Ion Ratio Lower Upper

91 100

92 57.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 50.388 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015303.D

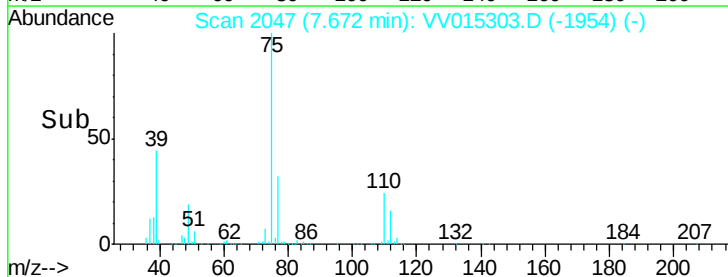
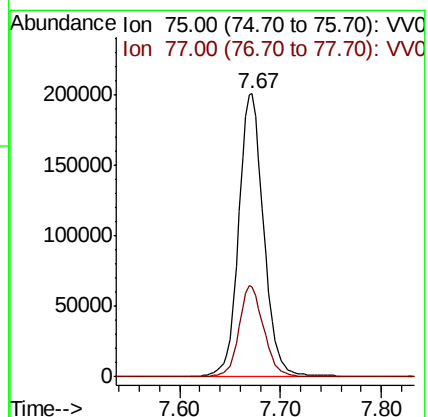
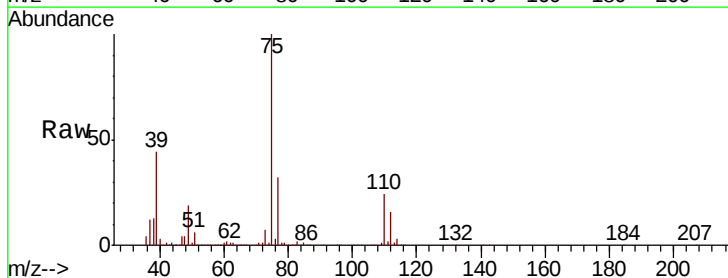
Acq: 31 Mar 2020 09:56

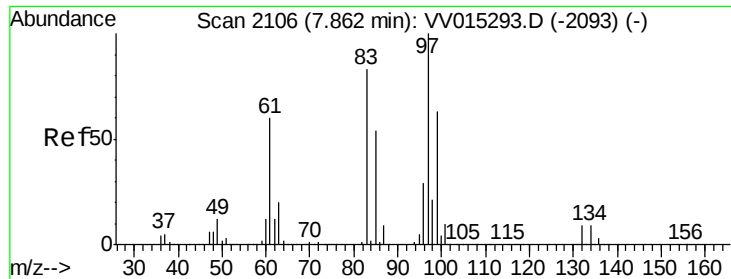
Tgt Ion: 75 Resp: 345573

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4

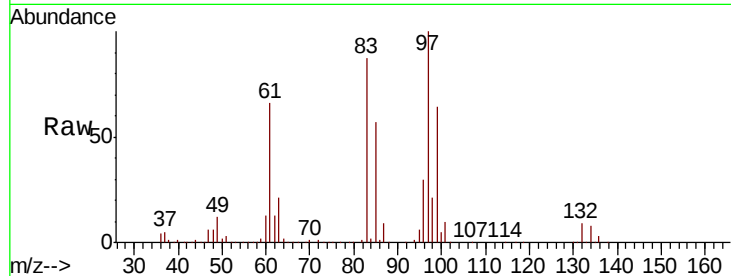




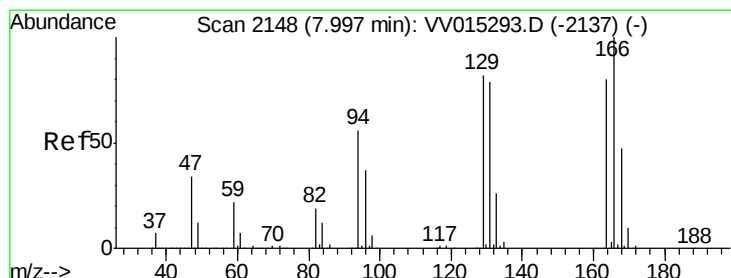
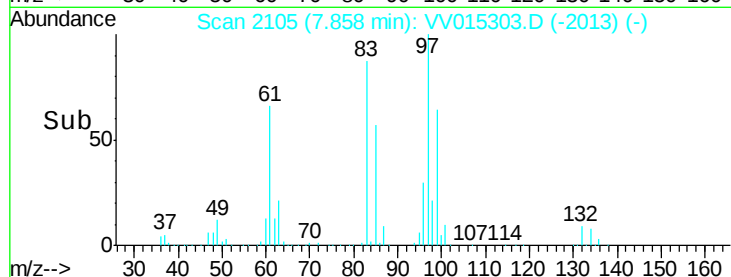
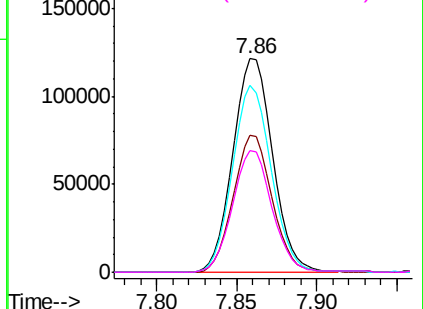
#45
 1,1,2-Trichloroethane
 Concen: 49.415 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	205746
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.6	81.0
83	87.3	60.0	111.4
85	56.7	39.3	72.9

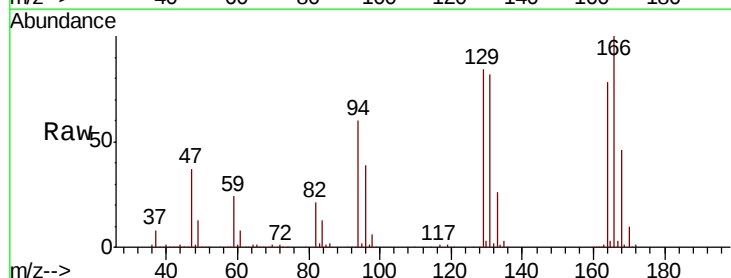


Abundance Ion 97.00 (96.70 to 97.70): VV015303.D (-2093) (-)
 Ion 99.00 (98.70 to 99.70): VV015303.D (-2093) (-)
 Ion 83.00 (82.70 to 83.70): VV015303.D (-2093) (-)
 Ion 85.00 (84.70 to 85.70): VV015303.D (-2093) (-)

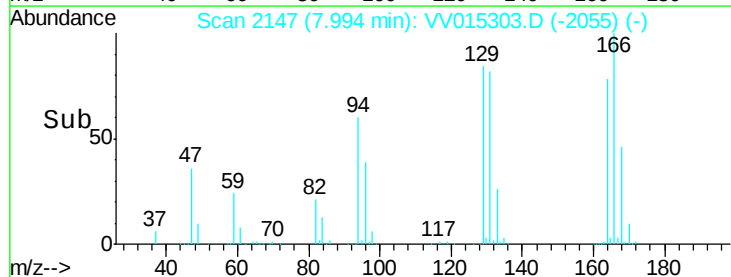
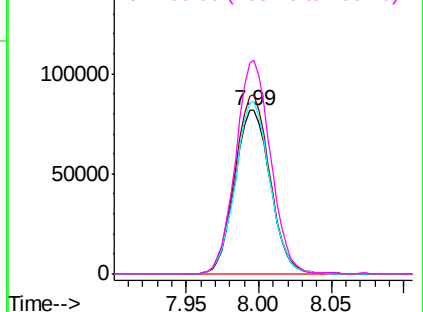


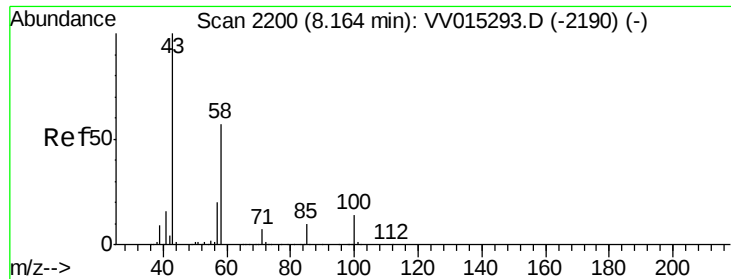
#46
 Tetrachloroethene
 Concen: 48.463 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

Tgt Ion:	164	Resp:	139783
Ion	Ratio	Lower	Upper
164	100		
129	108.8	77.8	144.4
131	105.0	73.9	137.3
166	128.8	91.7	170.3



Abundance Ion 164.00 (163.70 to 164.70): VV015303.D (-2055) (-)
 Ion 129.00 (128.70 to 129.70): VV015303.D (-2055) (-)
 Ion 131.00 (130.70 to 131.70): VV015303.D (-2055) (-)
 Ion 166.00 (165.70 to 166.70): VV015303.D (-2055) (-)

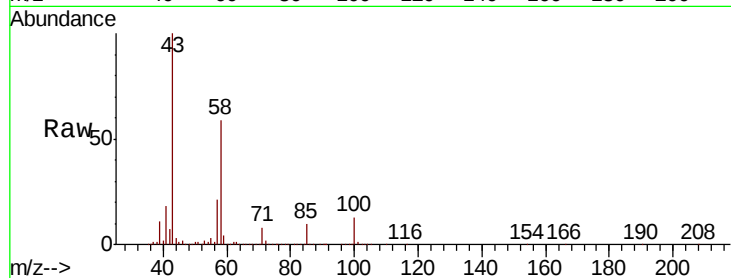




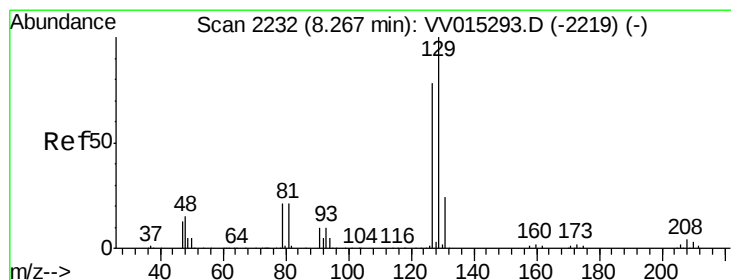
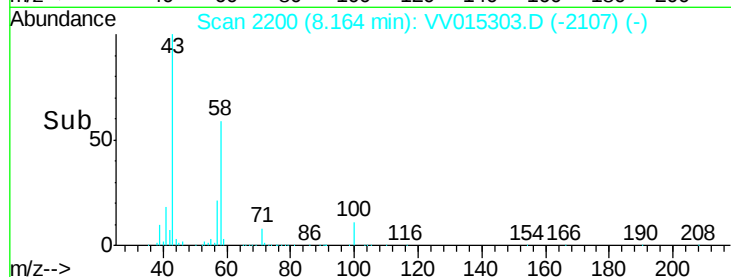
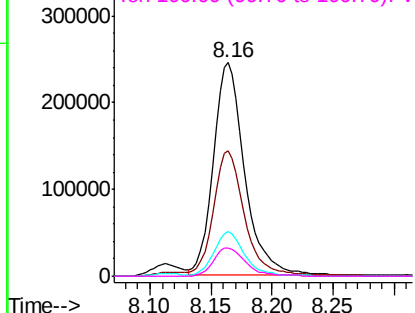
#48
2-Hexanone
Concen: 94.025 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 443253
Ion Ratio Lower Upper
43 100
58 58.3 47.0 70.6
57 20.4 16.2 24.2
100 13.8 11.0 16.6

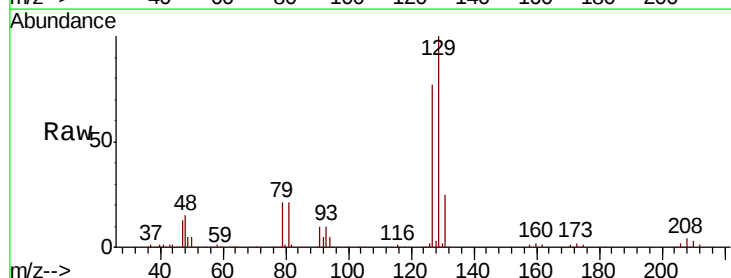


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

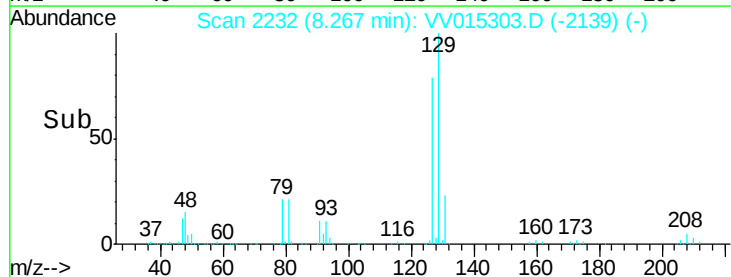
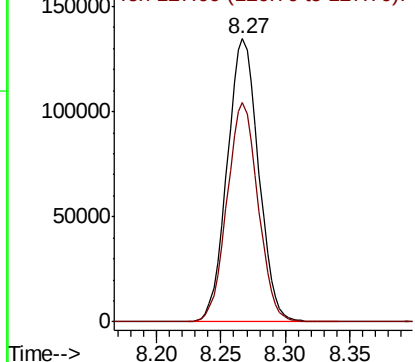


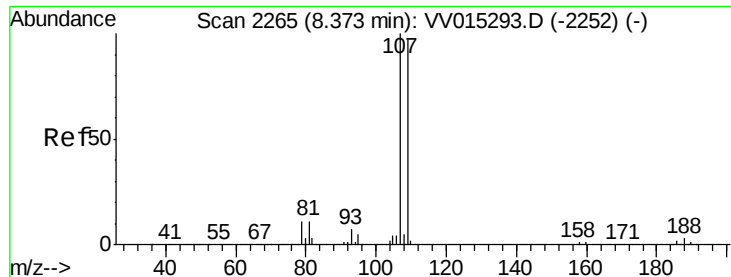
#49
Dibromochloromethane
Concen: 50.155 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

Tgt Ion: 129 Resp: 228226
Ion Ratio Lower Upper
129 100
127 77.3 52.8 98.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

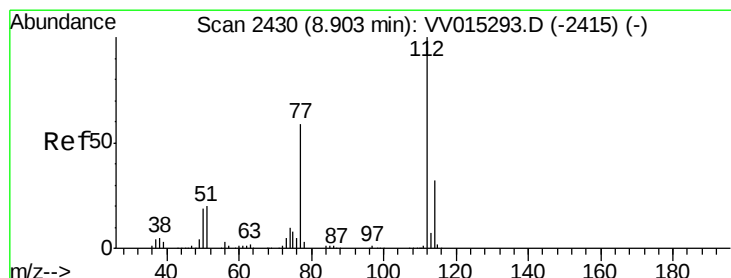
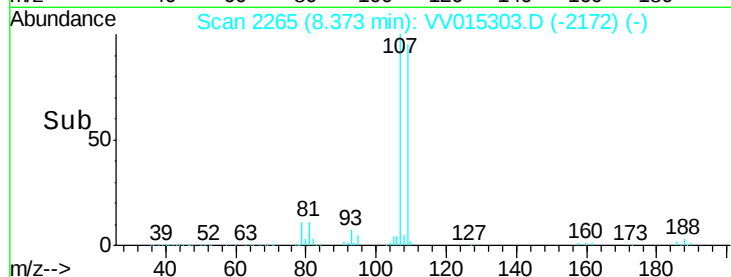
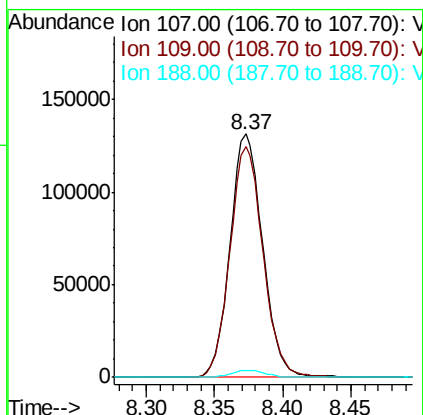
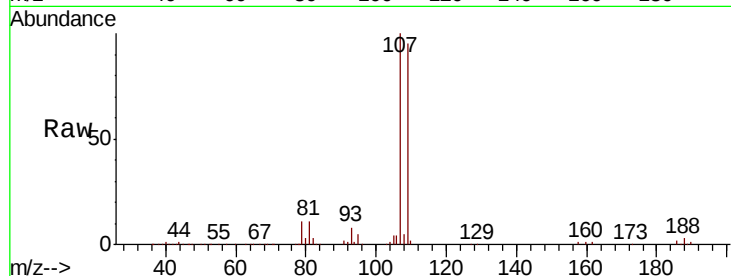




#50
1,2-Dibromoethane
Concen: 48.222 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

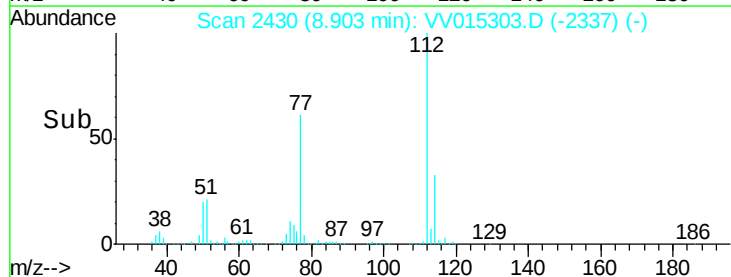
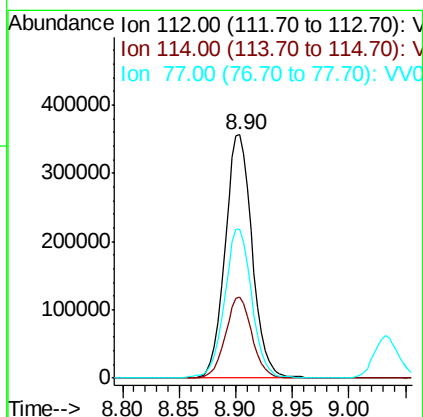
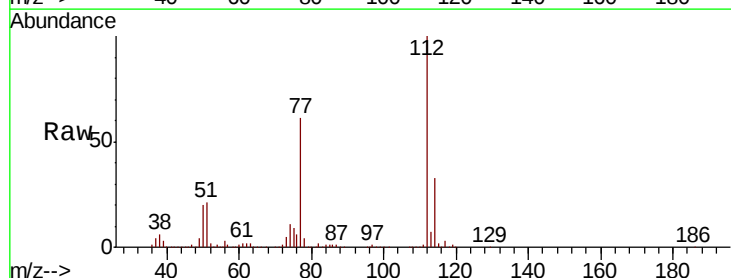
Instrument :
MSVOA_V
ClientSampleId :

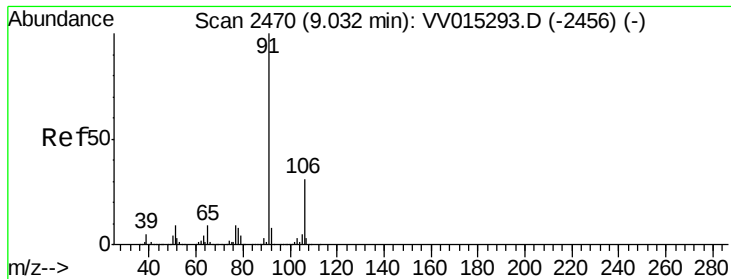
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	67.1	124.7
188	3.2	2.5	3.7



#51
Chlorobenzene
Concen: 49.895 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015303.D
Acq: 31 Mar 2020 09:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	21.7	40.3
77	61.3	47.9	71.9





#52

Ethylbenzene

Concen: 51.153 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Instrument :

MSVOA_V

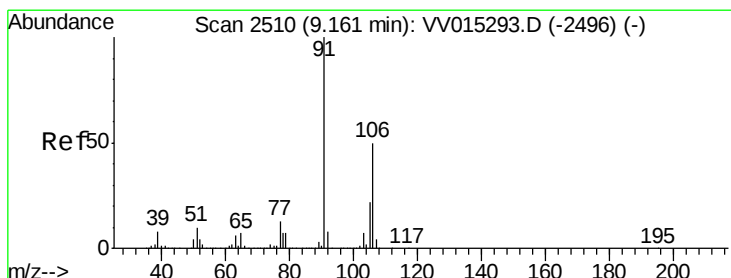
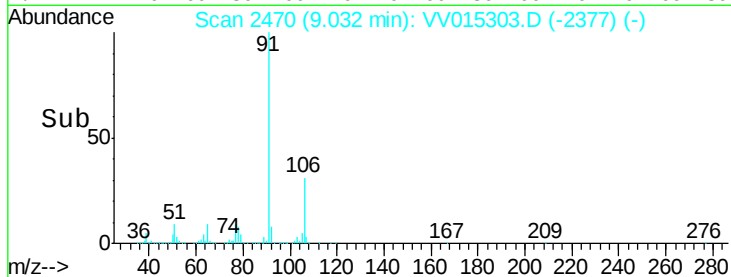
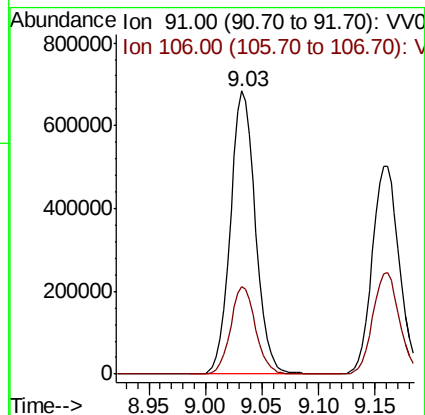
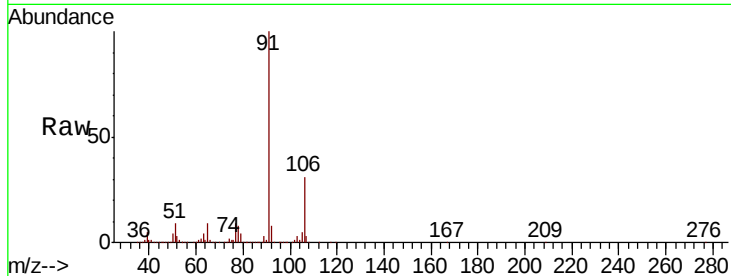
ClientSampleId :

Tot Ion: 91 Resp: 1052170

Ion Ratio Lower Upper

91 100

106 30.9 22.0 40.8



#53

m,p-Xylene

Concen: 51.215 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015303.D

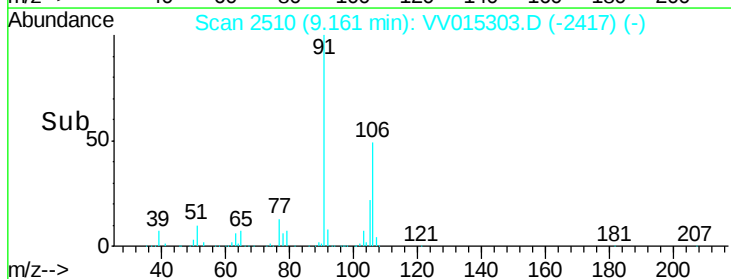
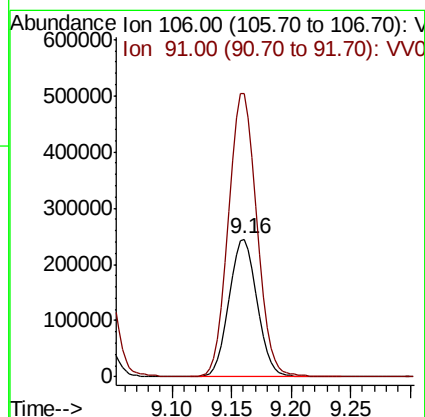
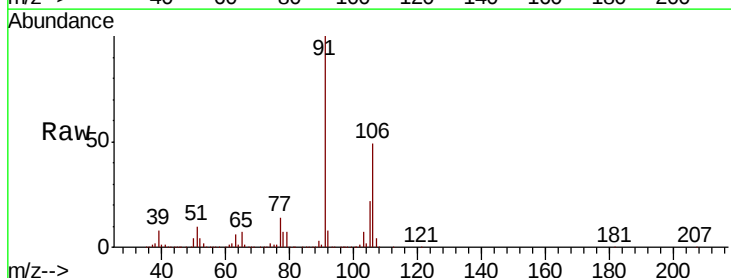
Acq: 31 Mar 2020 09:56

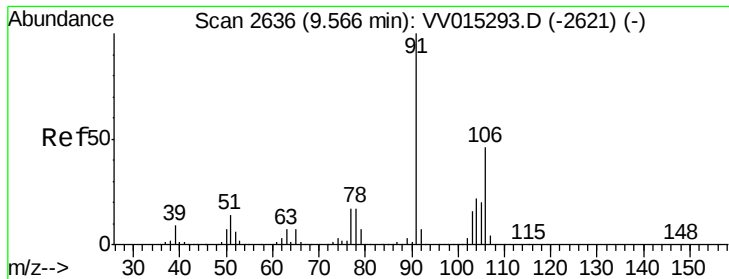
Tgt Ion: 106 Resp: 401813

Ion Ratio Lower Upper

106 100

91 205.1 143.1 265.9





#54

o-xylene

Concen: 51.059 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

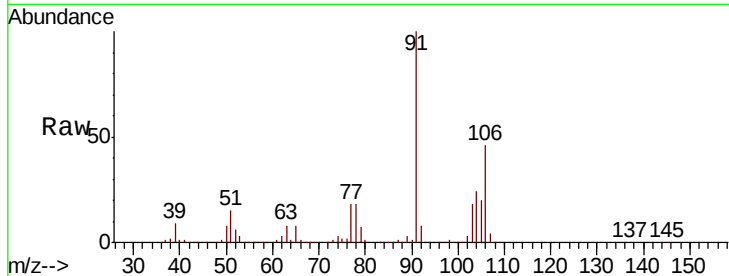
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 398509

Ion Ratio Lower Upper

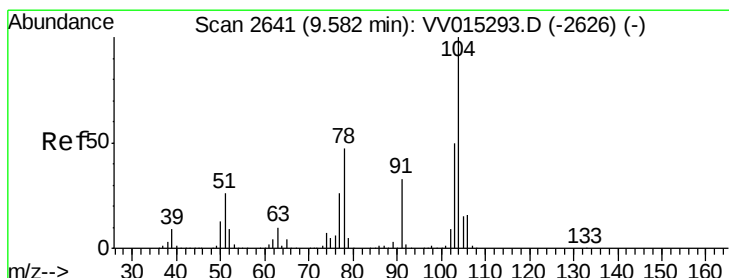
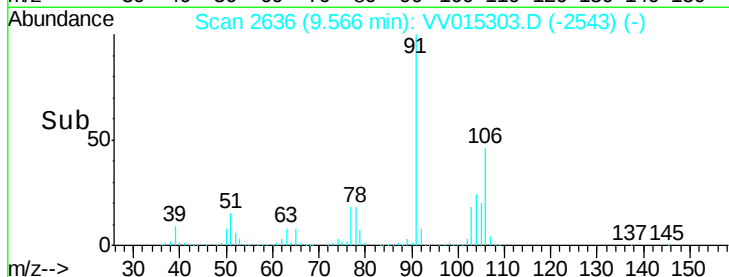
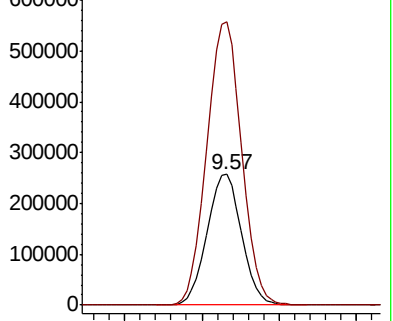
106 100

91 216.5 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.505 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015303.D

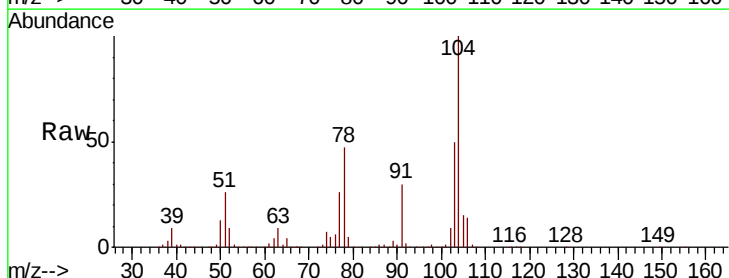
Acq: 31 Mar 2020 09:56

Tgt Ion:104 Resp: 685966

Ion Ratio Lower Upper

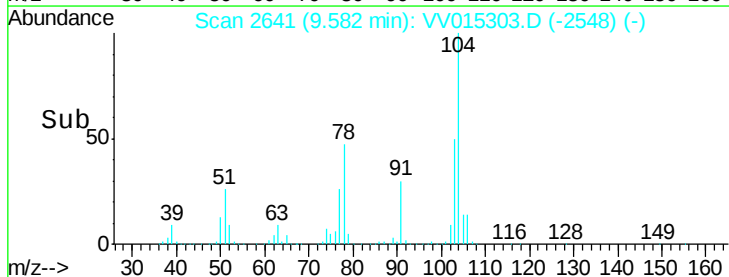
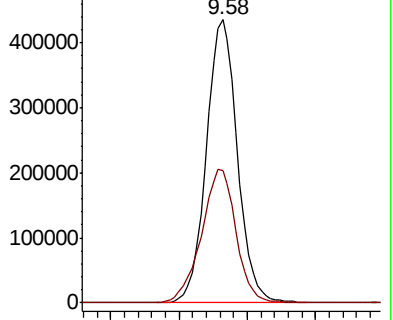
104 100

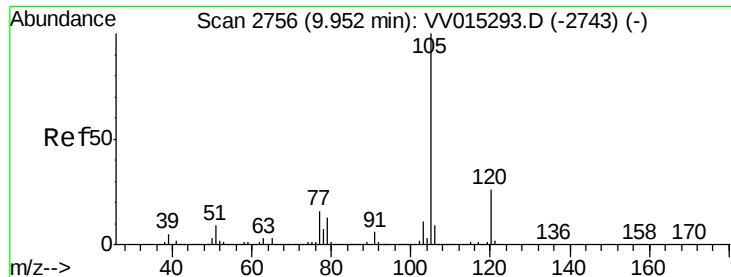
78 46.9 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.553 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Instrument :

MSVOA_V

ClientSampled :

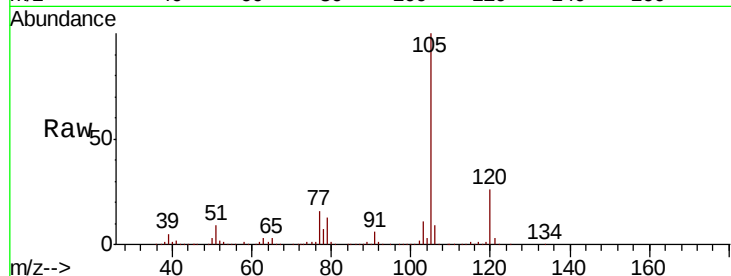
Tot Ion:105 Resp: 1059160

Ion Ratio Lower Upper

105 100

120 26.3 20.7 31.1

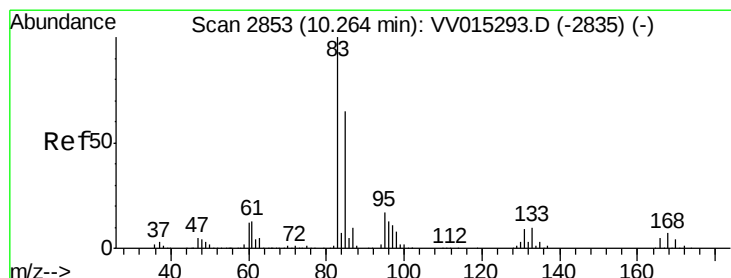
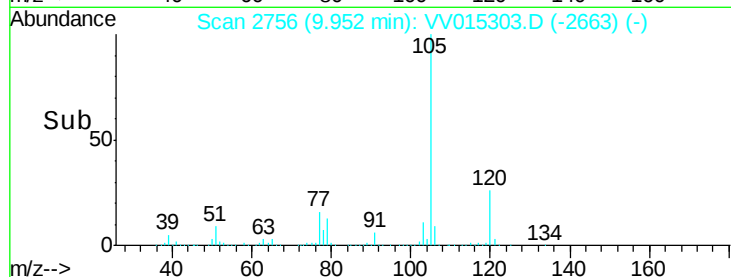
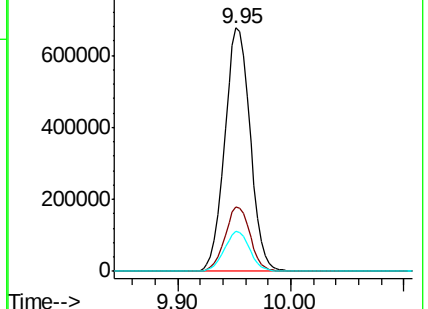
77 16.4 12.8 19.2



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: 50.395 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

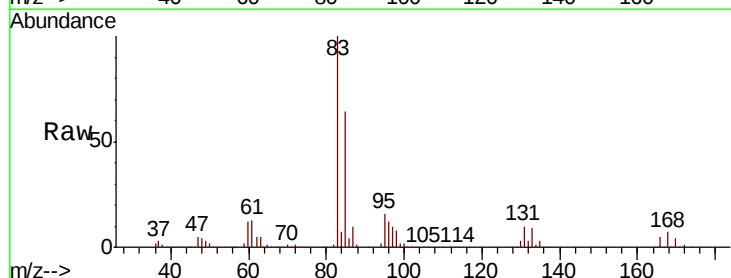
Tgt Ion: 83 Resp: 348227

Ion Ratio Lower Upper

83 100

85 64.3 46.3 85.9

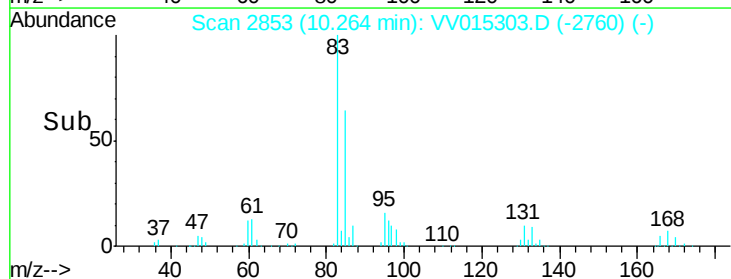
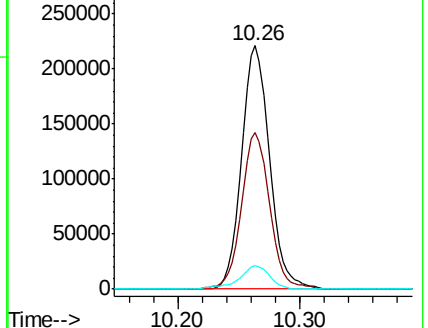
131 9.5 7.6 11.4

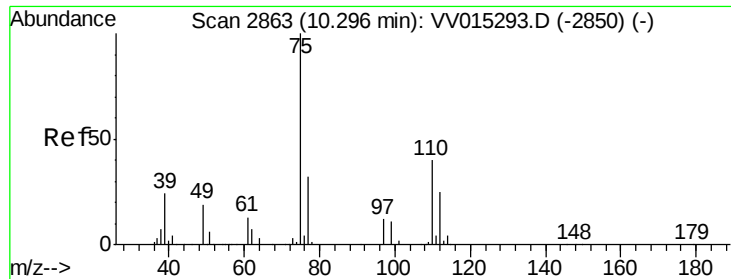


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

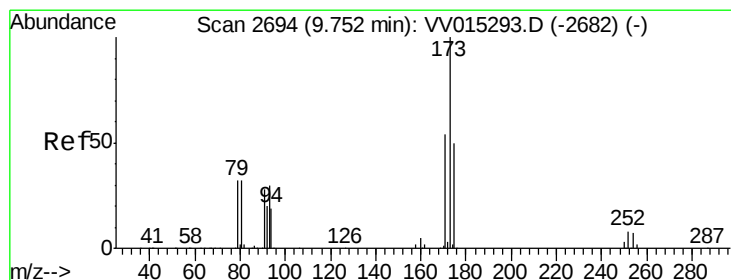
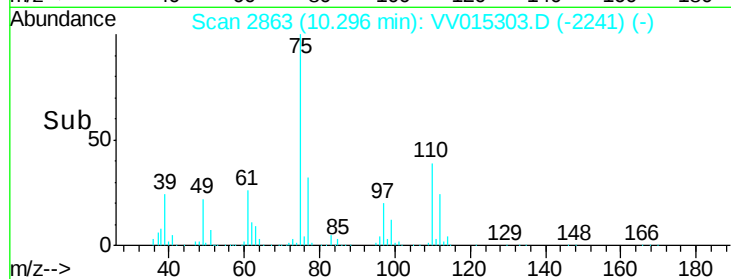
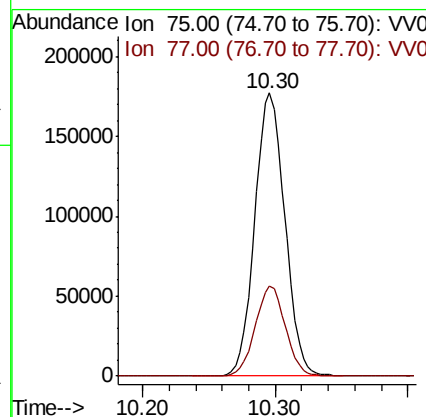
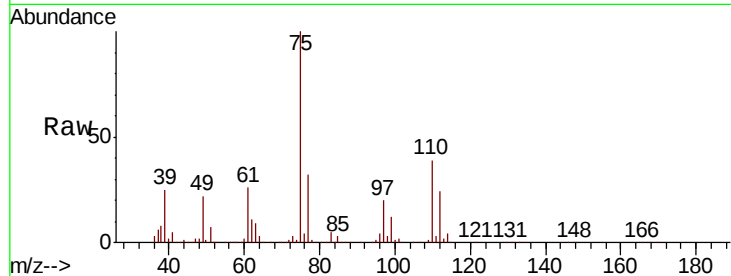




#59
 1,2,3-Trichloropropane
 Concen: 48.791 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

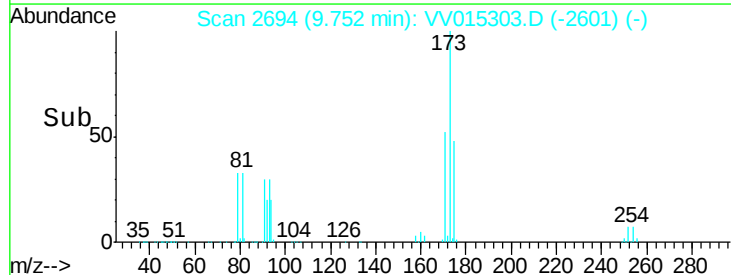
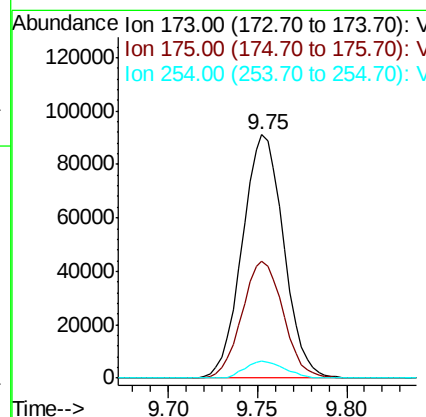
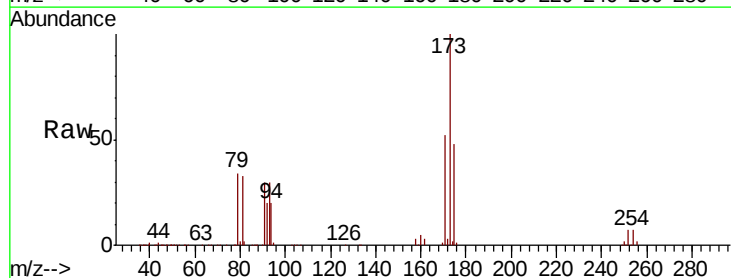
Instrument :
 MSVOA_V
 ClientSampleId :

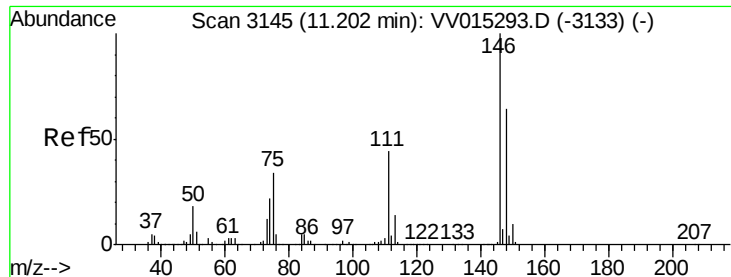
Tot Ion: 75 Resp: 278996
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.7 37.1



#61
 Bromoform
 Concen: 49.892 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

Tgt Ion: 173 Resp: 147318
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.4 59.0
 254 6.6 5.6 8.4





#62

1,3-Dichlorobenzene

Concen: 49.075 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

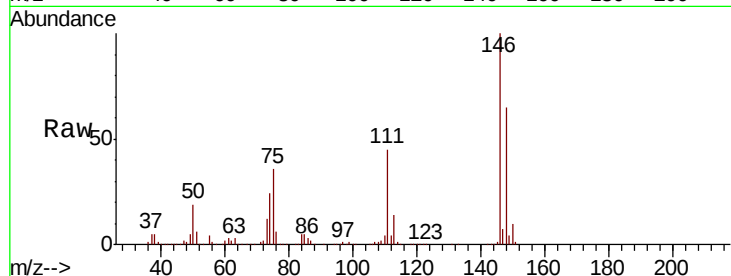
Tot Ion:146 Resp: 443140

Ion Ratio Lower Upper

146 100

111 45.2 30.4 56.4

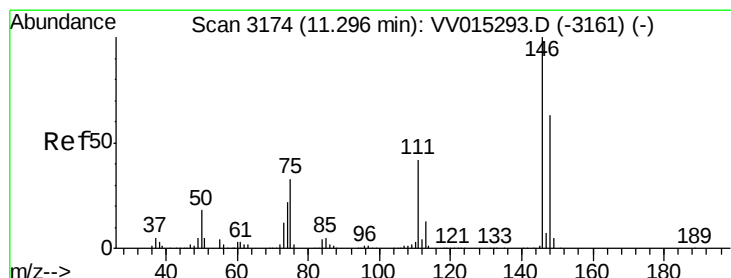
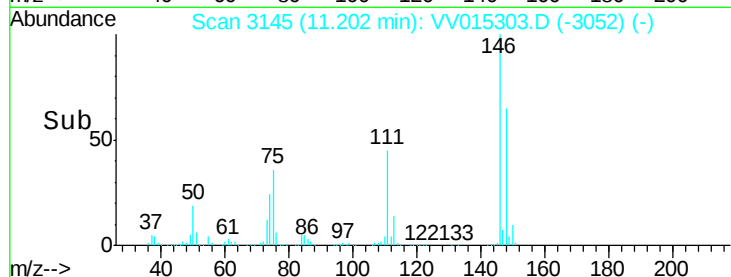
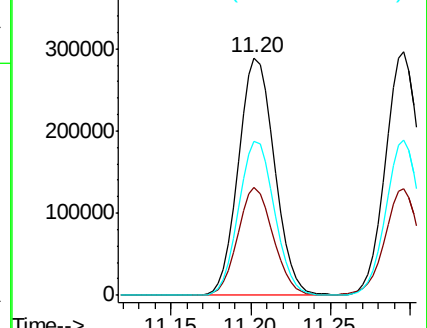
148 64.6 43.9 81.5



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



#63

1,4-Dichlorobenzene

Concen: 48.983 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

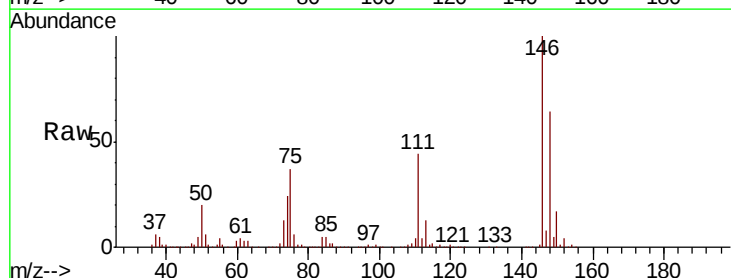
Tgt Ion:146 Resp: 451459

Ion Ratio Lower Upper

146 100

111 43.6 30.5 56.7

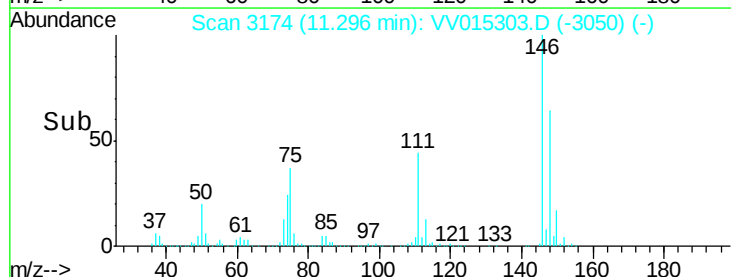
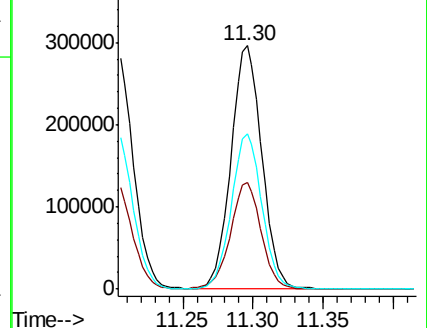
148 63.8 45.0 83.6

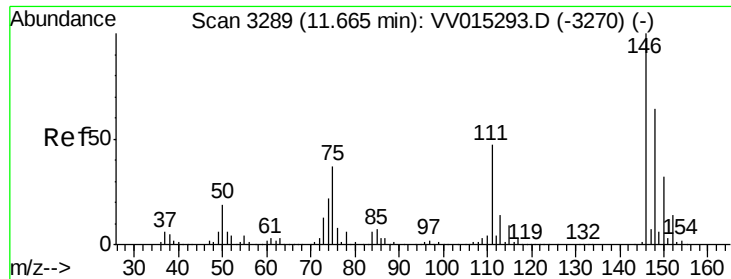


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.422 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Instrument :

MSVOA_V

ClientSampleId :

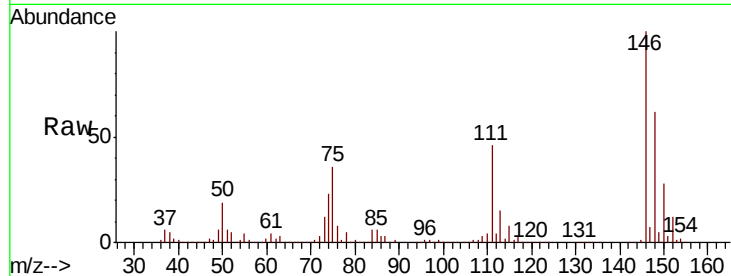
Tot Ion:146 Resp: 450343

Ion Ratio Lower Upper

146 100

111 45.9 35.8 53.6

148 61.6 49.1 73.7

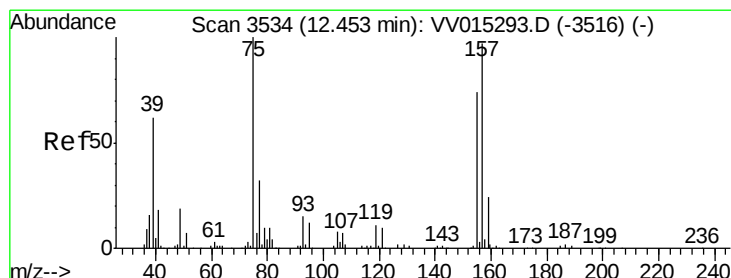
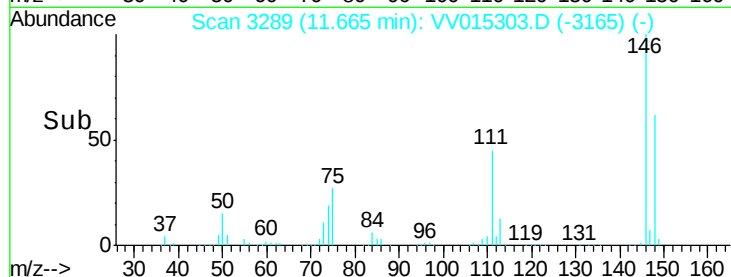
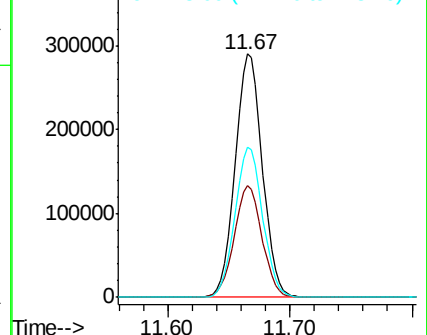


Abundance

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: 44.702 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

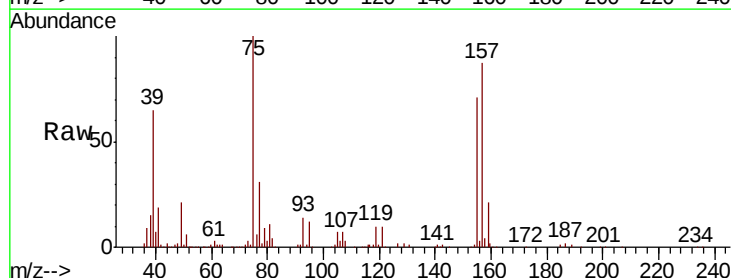
Tgt Ion: 75 Resp: 89621

Ion Ratio Lower Upper

75 100

155 71.2 58.2 87.4

157 87.0 73.0 109.6

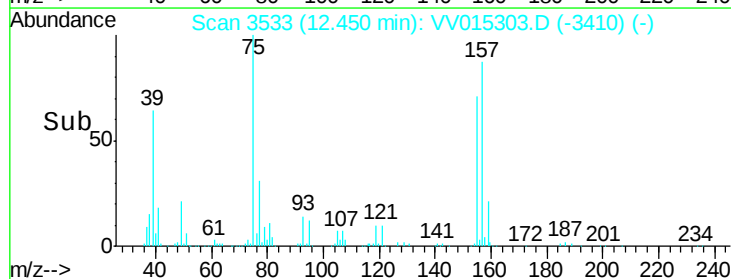
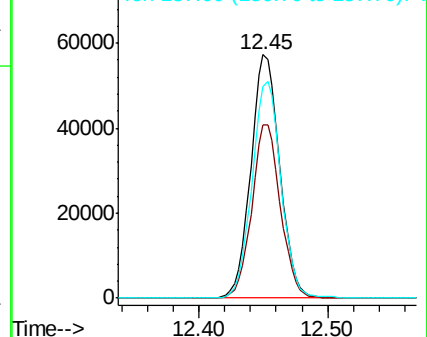


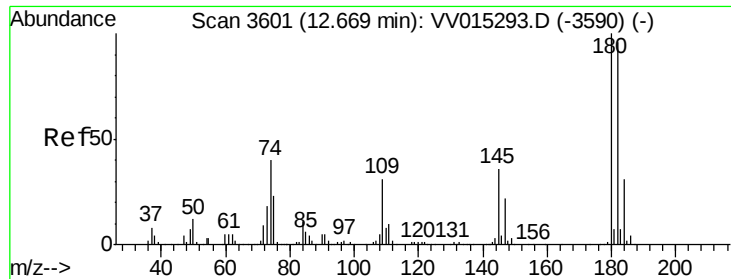
Abundance

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

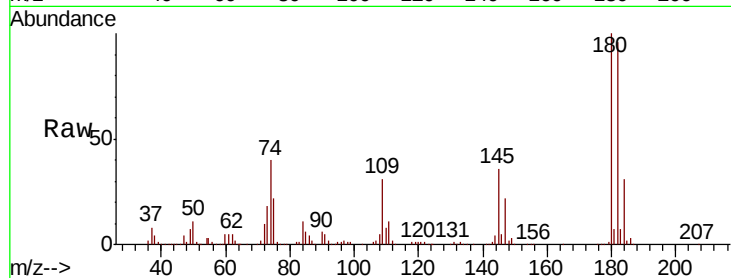




#67
 1,3,5-Trichlorobenzene
 Concen: 50.007 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	288198
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.8	115.2
184	30.3	23.6	35.4
145	35.0	27.0	40.6



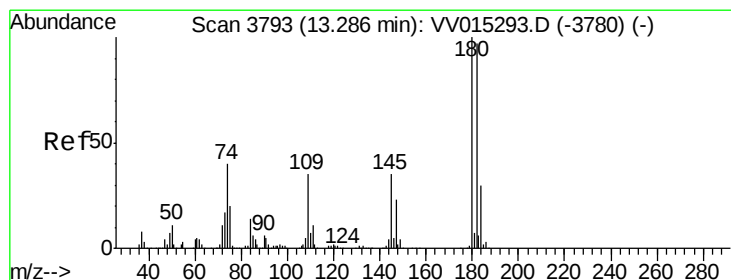
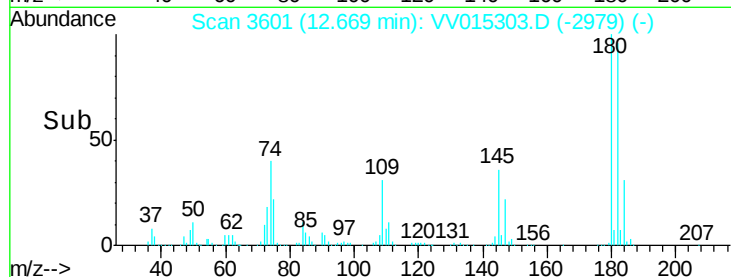
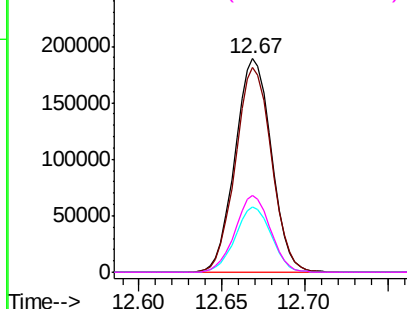
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

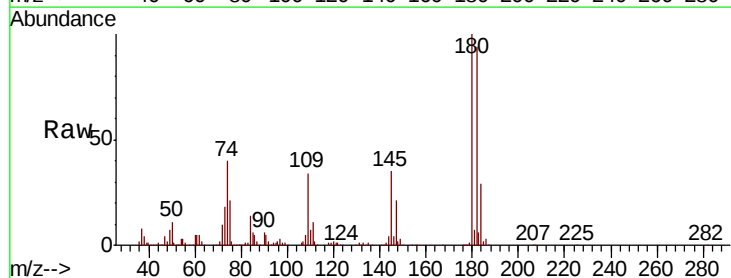
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.191 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015303.D
 Acq: 31 Mar 2020 09:56

Tgt Ion:	180	Resp:	269367
Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.2	112.8
145	35.2	27.3	40.9

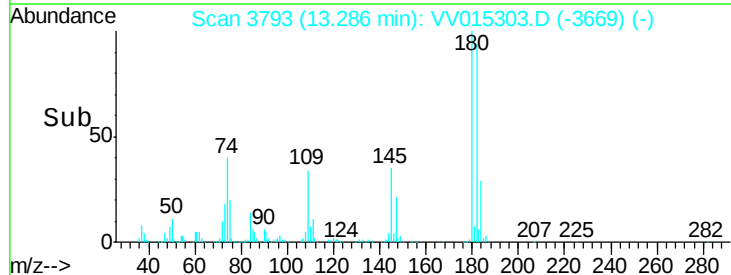
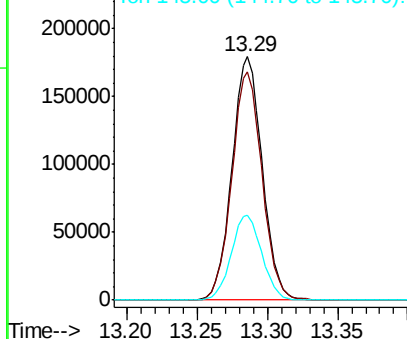


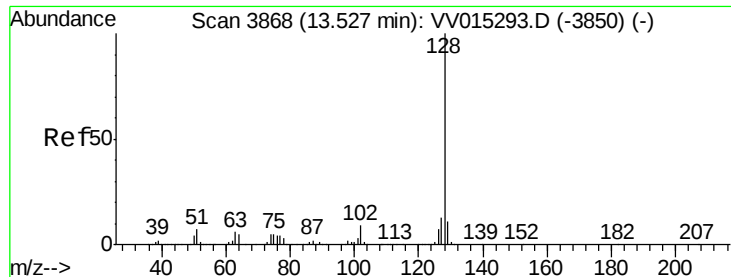
Abundance

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





#69

Naphthalene

Concen: 47.448 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

Instrument :

MSVOA_V

ClientSampled :

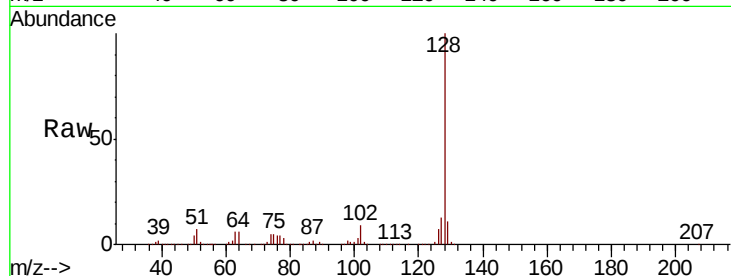
Tot Ion:128 Resp: 1035718

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

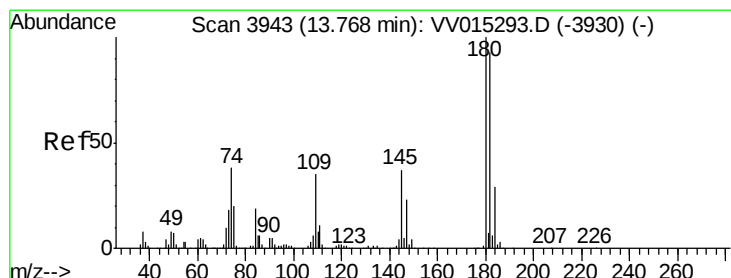
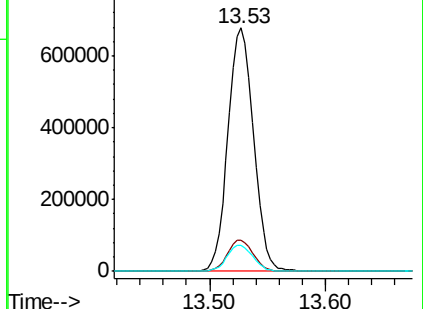
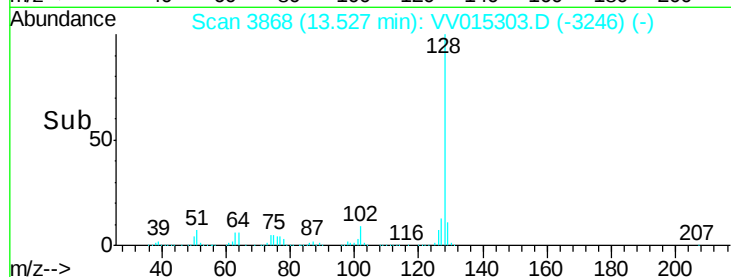
129 10.8 8.6 13.0



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: 48.613 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015303.D

Acq: 31 Mar 2020 09:56

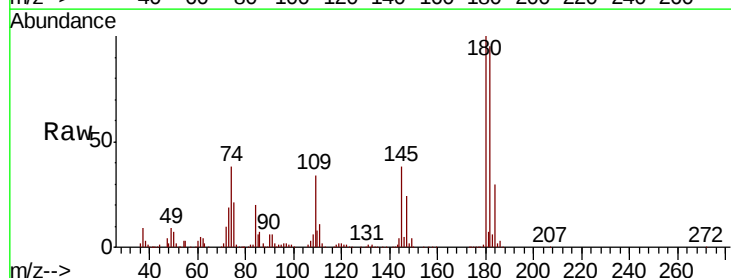
Tgt Ion:180 Resp: 267166

Ion Ratio Lower Upper

180 100

182 95.9 74.7 112.1

145 38.1 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

