

Data File : VV014516.D
Acq On : 06 Feb 2020 12:44
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV206

Quant Time: Feb 07 01:39:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 01:37:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	379544	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	350276	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	172840	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95089	46.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.40%
7) Chloroethane-d5	1.58	69	69137	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.48%
11) 1,1-Dichloroethene-d2	2.13	63	147145	47.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.14%
21) 2-Butanone-d5	3.92	46	179622	113.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.05%
24) Chloroform-d	4.40	84	244741	52.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.36%
26) 1,2-Dichloroethane-d4	5.08	65	154724	54.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.08%
32) Benzene-d6	5.10	84	498812	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
36) 1,2-Dichloropropane-d6	6.11	67	157720	53.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.06%
41) Toluene-d8	7.35	98	452700	50.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.38%
43) trans-1,3-Dichloropropene-	7.66	79	83751	52.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.04%
47) 2-Hexanone-d5	8.12	63	144986	114.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.59%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	210389	54.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.94%
66) 1,2-Dichlorobenzene-d4	11.67	152	168211	50.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	140926	46.352	ug/L	99
3) Chloromethane	1.26	50	149645	48.610	ug/L	99
5) Vinyl chloride	1.33	62	107571	45.622	ug/L	99
6) Bromomethane	1.53	94	53082	48.958	ug/L	96
8) Chloroethane	1.60	64	55802	47.628	ug/L	98
9) Trichlorofluoromethane	1.77	101	150271	47.311	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72081	47.261	ug/L	99
12) 1,1-Dichloroethene	2.14	96	69639	47.739	ug/L	88
13) Acetone	2.18	43	169340	127.298	ug/L	95
14) Carbon disulfide	2.32	76	340568	48.084	ug/L	100
15) Methyl Acetate	2.45	43	141062	55.147	ug/L	99
16) Methylene chloride	2.54	84	143946	51.958	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	129323	50.318	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	447335	54.964	ug/L	100
19) 1,1-Dichloroethane	3.23	63	238125	51.813	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	148811	51.452	ug/L	98
22) 2-Butanone	4.00	43	220608	112.129	ug/L	95

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	73383	53.584	ug/L	97
25) Chloroform	4.42	83	240456	51.455	ug/L	98
27) 1,2-Dichloroethane	5.17	62	187673	53.898	ug/L	100
29) Cyclohexane	4.73	56	202676	47.060	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	198646	49.691	ug/L	100
31) Carbon tetrachloride	4.87	117	170870	48.450	ug/L	100
33) Benzene	5.14	78	534203	51.875	ug/L	100
34) Trichloroethene	5.96	95	137380	50.329	ug/L	98
35) Methylcyclohexane	6.17	83	208781	46.805	ug/L	99
37) 1,2-Dichloropropane	6.22	63	138529	52.813	ug/L	99
38) Bromodichloromethane	6.55	83	187969	53.398	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	235111	53.733	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	380757	112.329	ug/L	100
42) Toluene	7.43	91	551941	49.989	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	210378	53.624	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	136512	54.248	ug/L	99
46) Tetrachloroethene	8.01	164	99225	47.650	ug/L	97
48) 2-Hexanone	8.18	43	302367	115.875	ug/L	98
49) Dibromochloromethane	8.28	129	154007	54.207	ug/L	100
50) 1,2-Dibromoethane	8.39	107	148205	54.378	ug/L	98
51) Chlorobenzene	8.92	112	359093	49.790	ug/L	99
52) Ethylbenzene	9.05	91	608274	49.126	ug/L	99
53) m,p-Xylene	9.18	106	232998	48.852	ug/L	98
54) o-Xylene	9.58	106	229141	50.195	ug/L	100
55) Styrene	9.60	104	399599	51.217	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	213835	54.217	ug/L	99
59) Bromoform	9.77	173	105109	54.523	ug/L	99
60) Isopropylbenzene	9.97	105	589236	50.412	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	171432	56.005	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	500909	50.059	ug/L	98
63) 1,2,4-Trimethylbenzene	10.95	105	499717	50.657	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	275445	49.960	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	284976	50.209	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	272071	50.898	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	48417	56.482	ug/L	99
69) 1,3,5-Trichlorobenzene	12.68	180	194055	49.961	ug/L	98
70) 1,2,4-trichlorobenzene	13.30	180	181538	50.907	ug/L	99
71) Naphthalene	13.54	128	637615	54.432	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	179601	51.836	ug/L	99

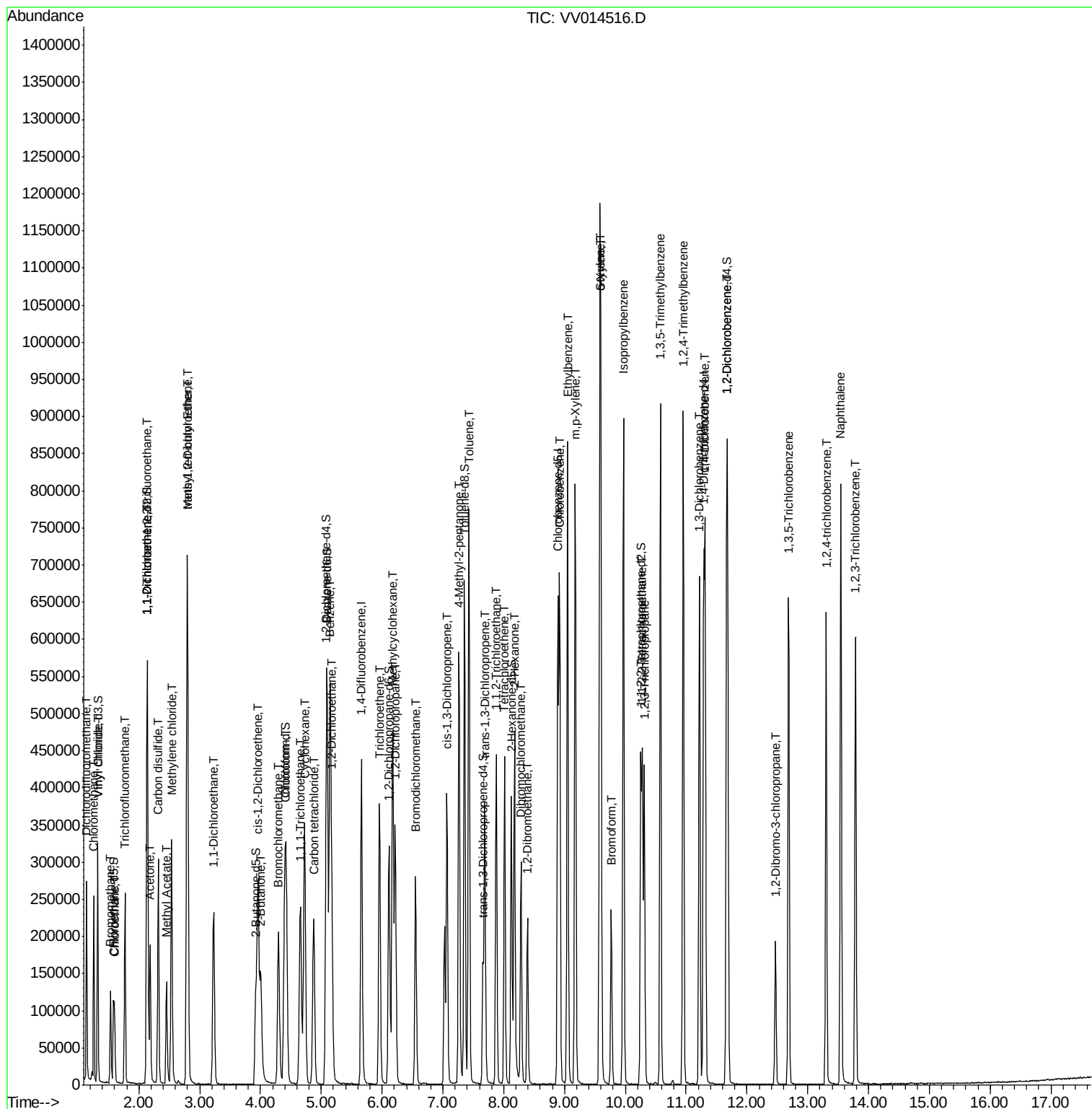
(#) = qualifier out of range (m) = manual integration (+) = signals summed

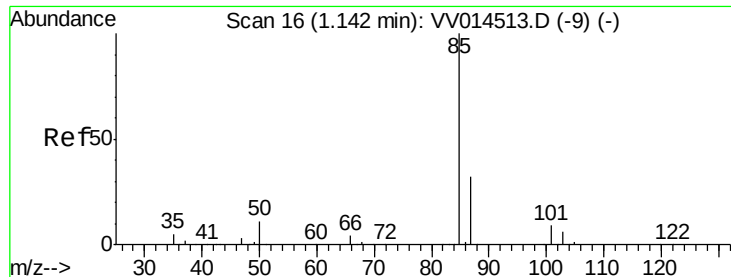
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#2

Dichlorodifluoromethane

Concen: 46.352 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

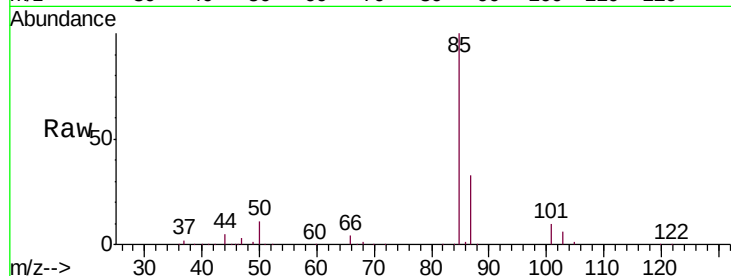
VICV206

Tgt Ion: 85 Resp: 140926

Ion Ratio Lower Upper

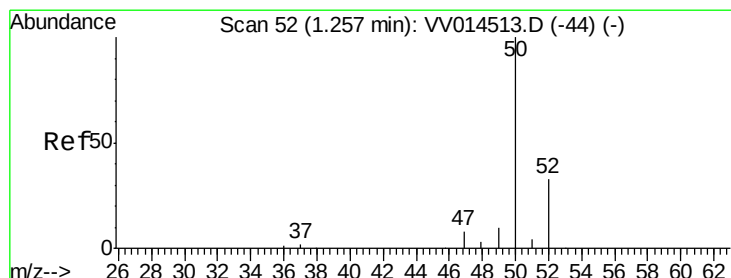
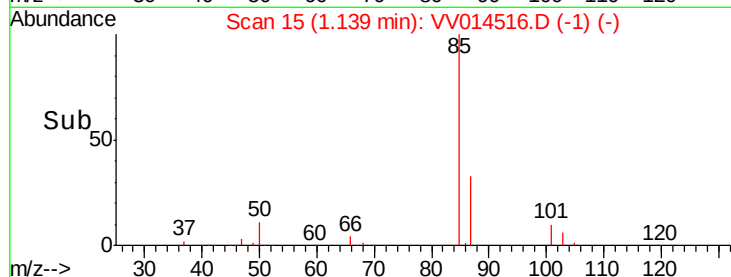
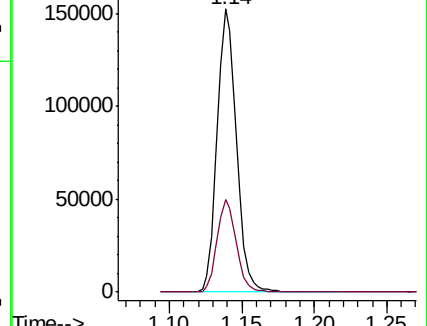
85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 48.610 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014516.D

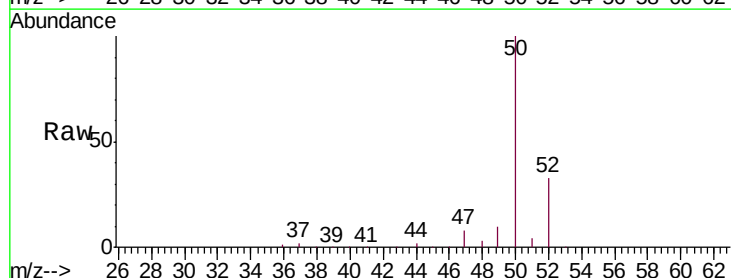
Acq: 06 Feb 2020 12:44

Tgt Ion: 50 Resp: 149645

Ion Ratio Lower Upper

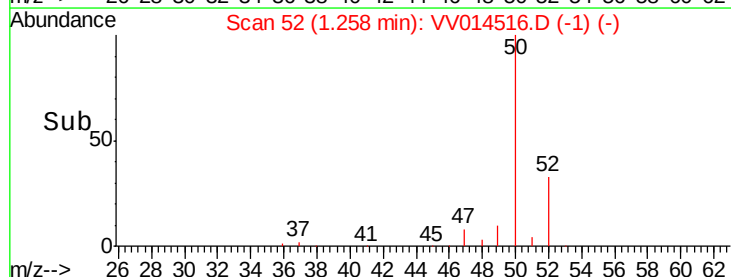
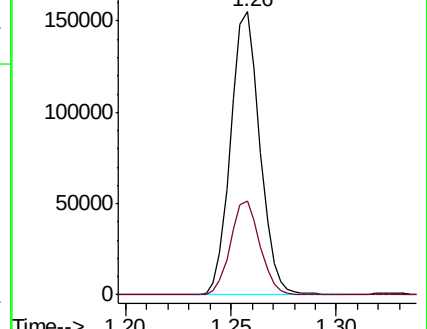
50 100

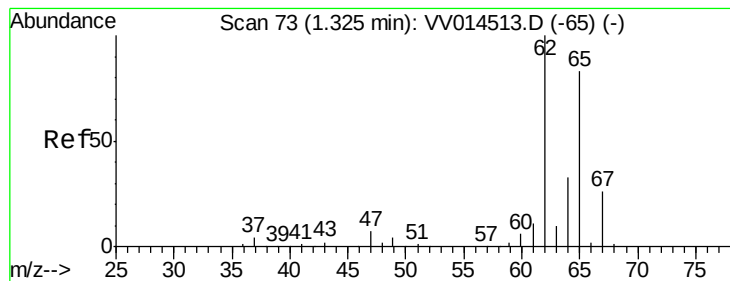
52 33.1 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 45.622 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

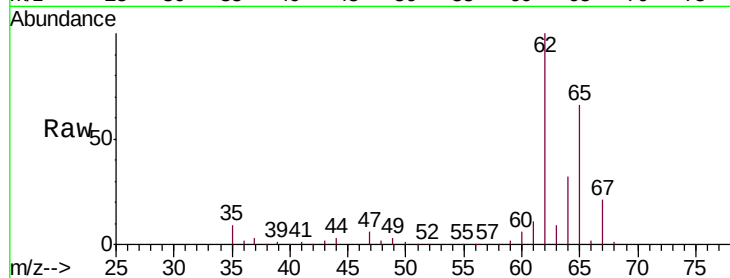
VICV206

Tgt Ion: 62 Resp: 107571

Ion Ratio Lower Upper

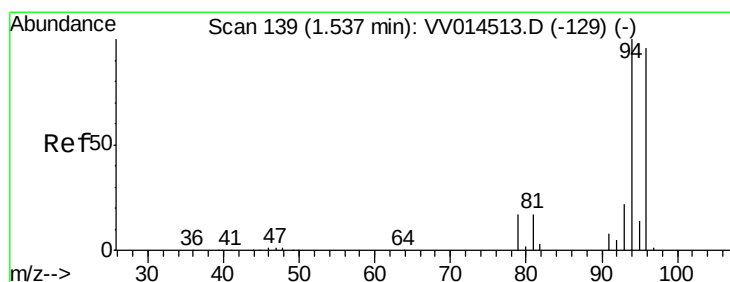
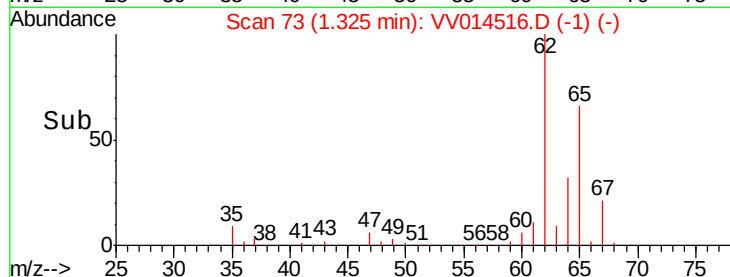
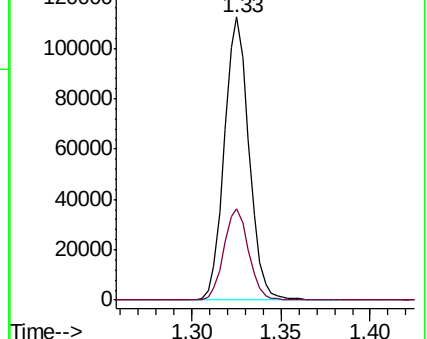
62 100

64 32.4 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 48.958 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014516.D

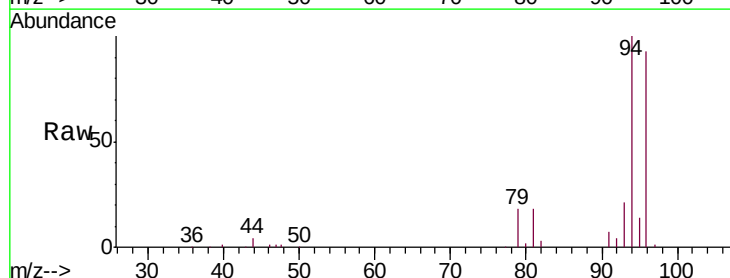
Acq: 06 Feb 2020 12:44

Tgt Ion: 94 Resp: 53082

Ion Ratio Lower Upper

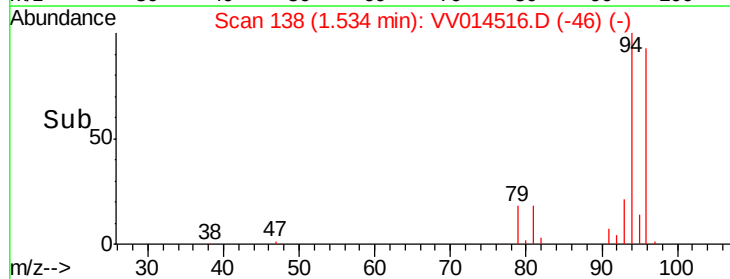
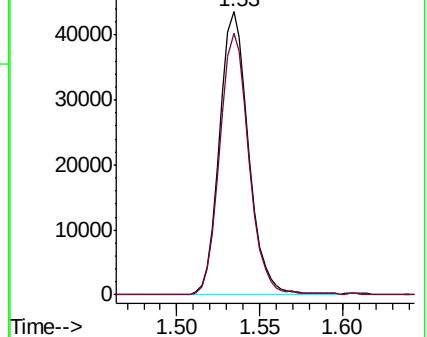
94 100

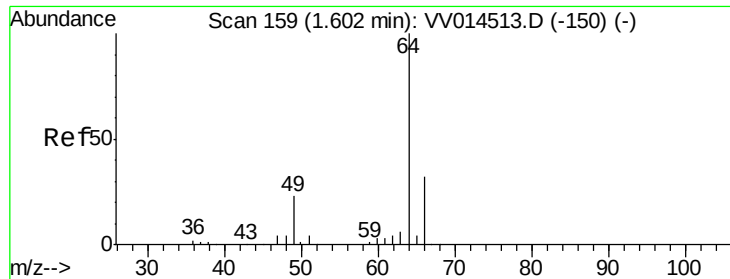
96 92.6 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 47.628 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

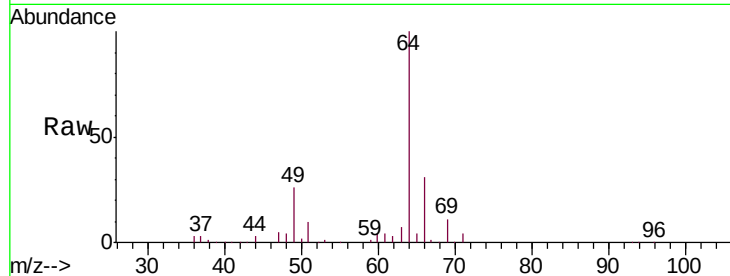
VICV206

Tgt Ion: 64 Resp: 55802

Ion Ratio Lower Upper

64 100

66 31.2 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV014516.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014516.D (-150) (-)

1.60

50000

40000

30000

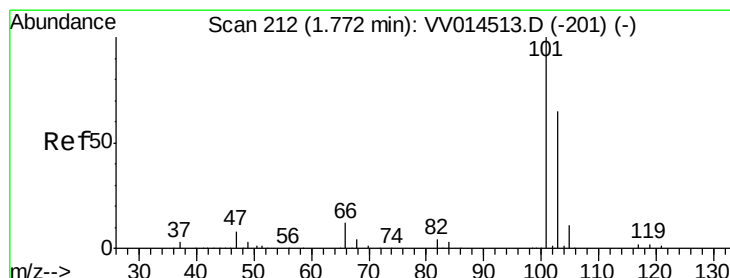
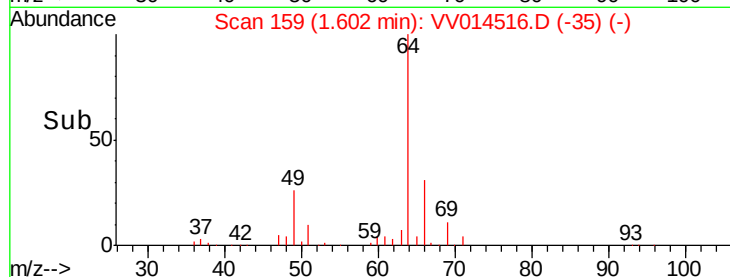
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 47.311 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014516.D

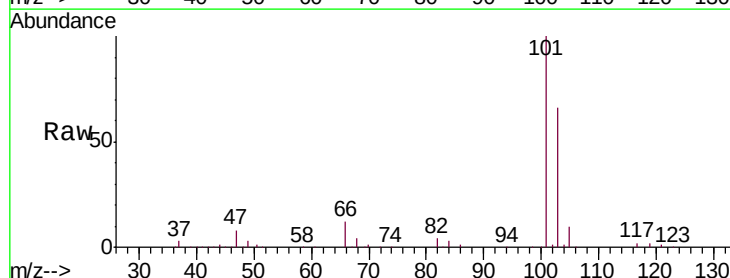
Acq: 06 Feb 2020 12:44

Tgt Ion: 101 Resp: 150271

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014516.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014516.D (-201) (-)

1.77

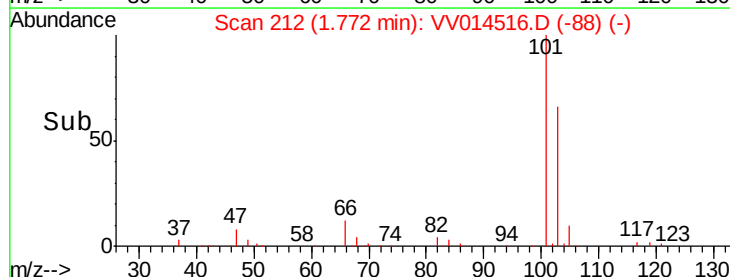
100000

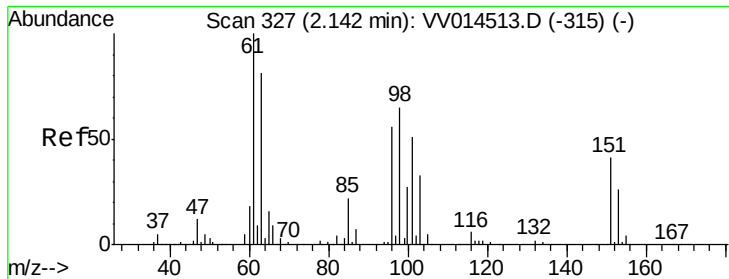
50000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 47.261 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampled :

VICV206

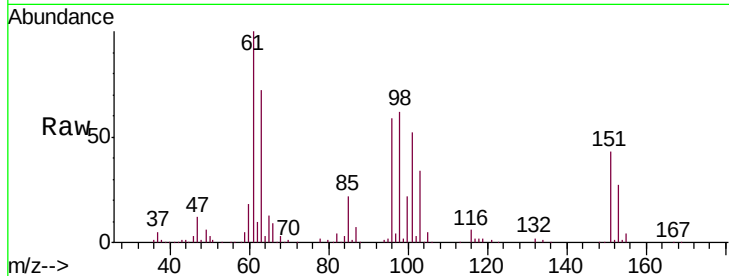
Tgt Ion: 101 Resp: 72081

Ion Ratio Lower Upper

101 100

85 43.1 35.0 52.6

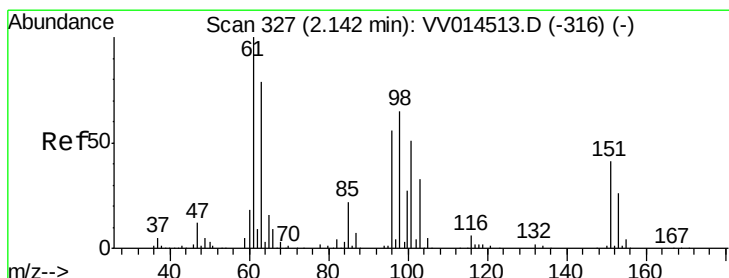
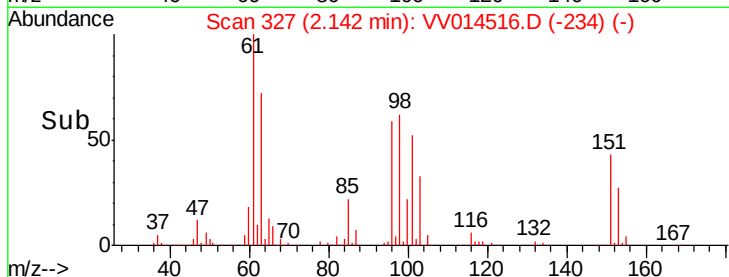
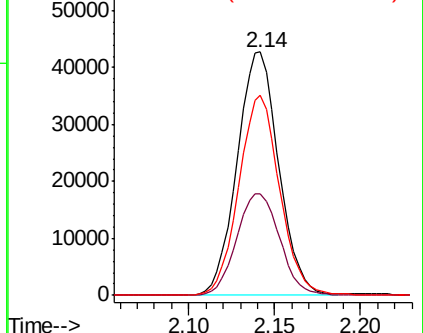
151 80.7 64.4 96.6



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: 47.739 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

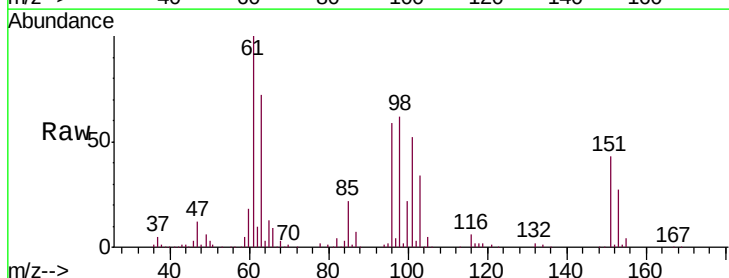
Tgt Ion: 96 Resp: 69639

Ion Ratio Lower Upper

96 100

61 168.8 125.0 232.2

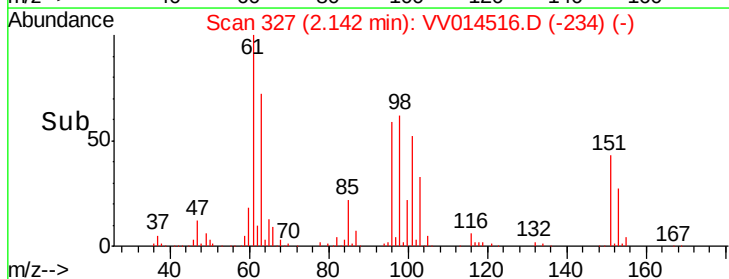
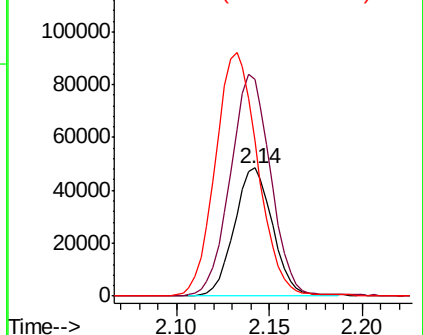
63 121.5 101.6 188.6

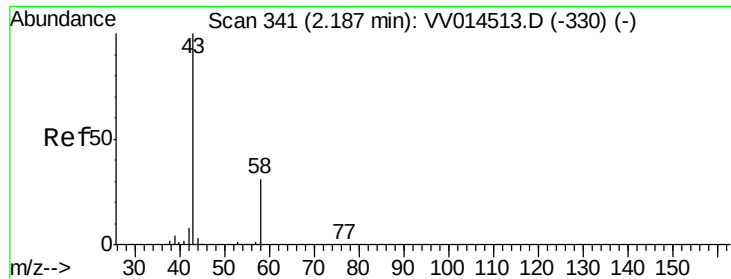


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 127.298 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

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MSVOA_V

ClientSampleId :

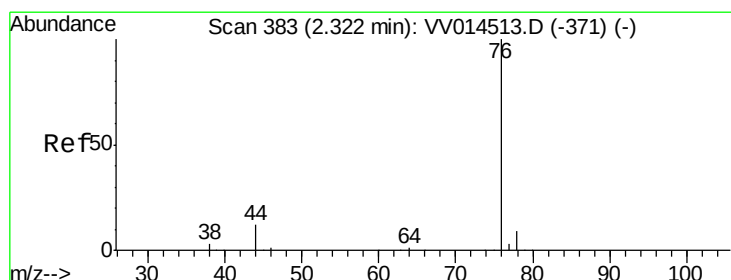
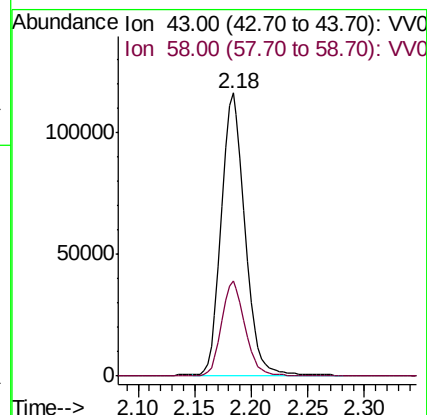
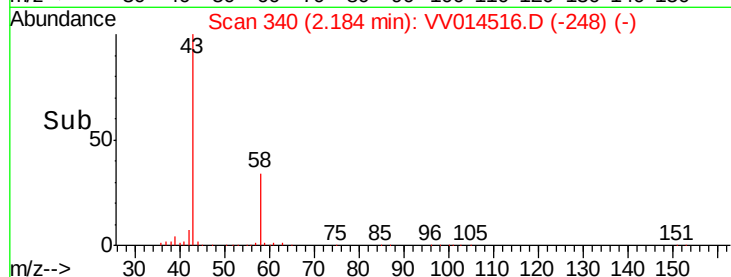
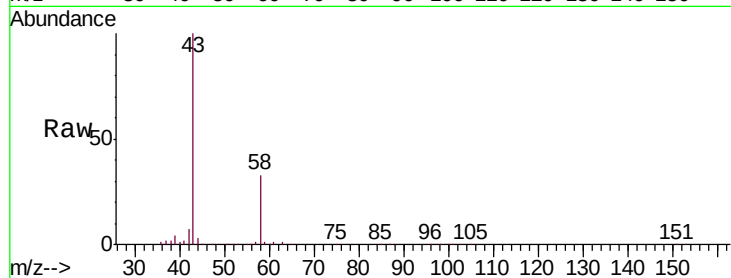
VICV206

Tgt Ion: 43 Resp: 169340

Ion Ratio Lower Upper

43 100

58 33.5 0.0 61.8



#14

Carbon disulfide

Concen: 48.084 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014516.D

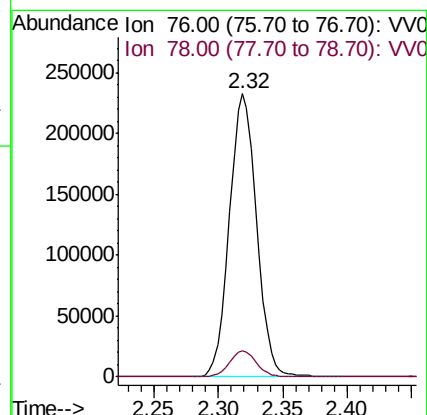
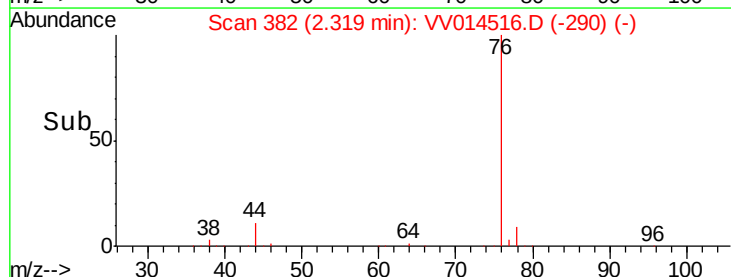
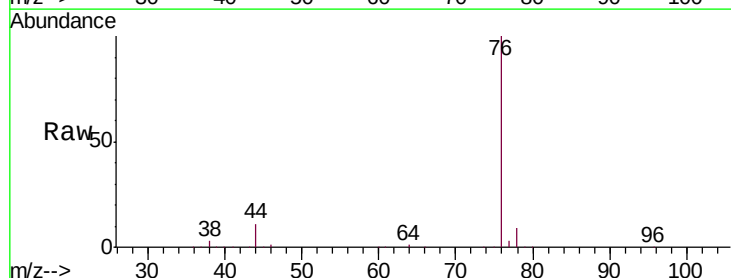
Acq: 06 Feb 2020 12:44

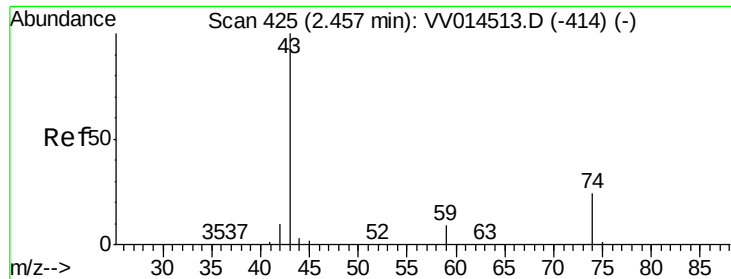
Tgt Ion: 76 Resp: 340568

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 55.147 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampled :

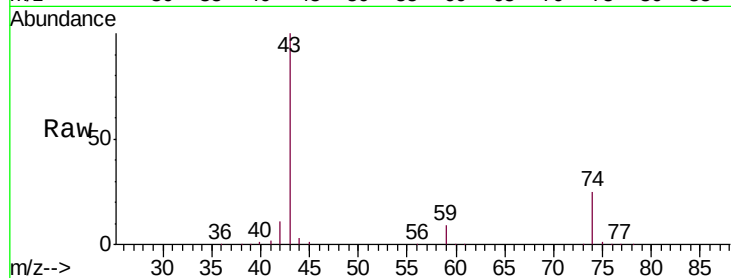
VICV206

Tgt Ion: 43 Resp: 141062

Ion Ratio Lower Upper

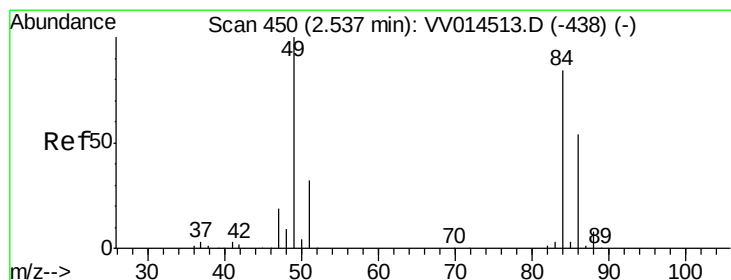
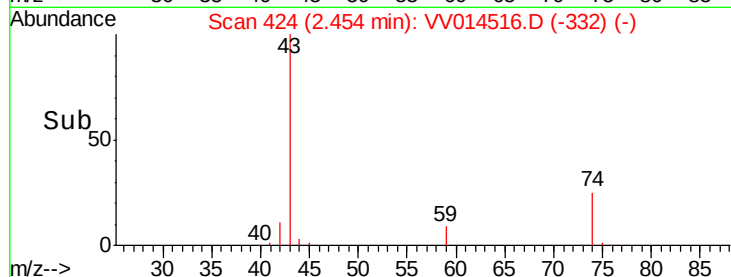
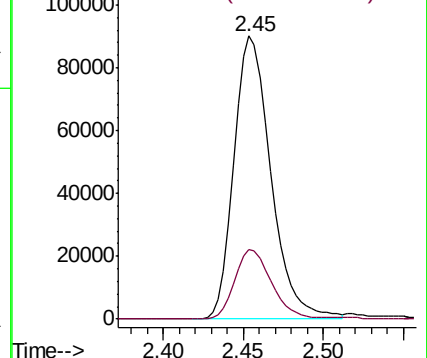
43 100

74 24.9 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 51.958 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

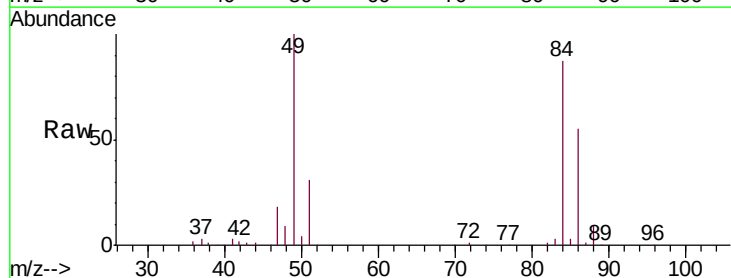
Tgt Ion: 84 Resp: 143946

Ion Ratio Lower Upper

84 100

86 63.0 44.6 82.8

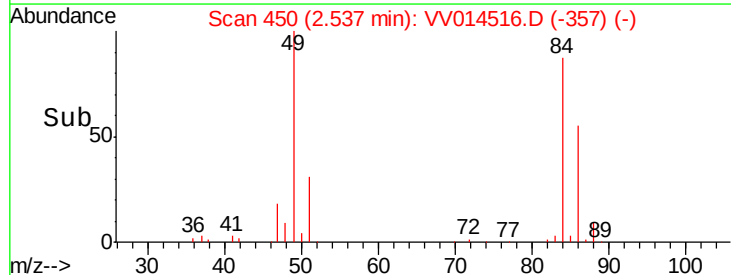
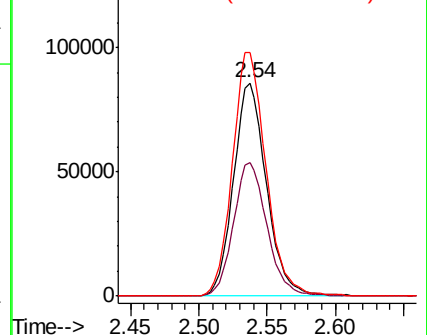
49 114.3 83.2 154.4

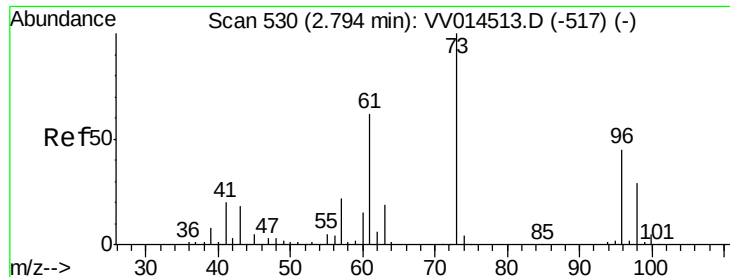


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 50.318 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampled :

VICV206

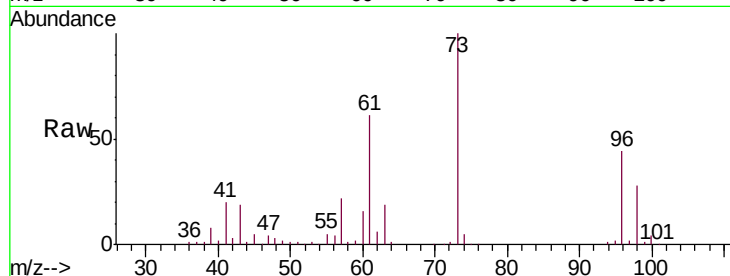
Tgt Ion: 96 Resp: 129323

Ion Ratio Lower Upper

96 100

61 137.8 95.8 178.0

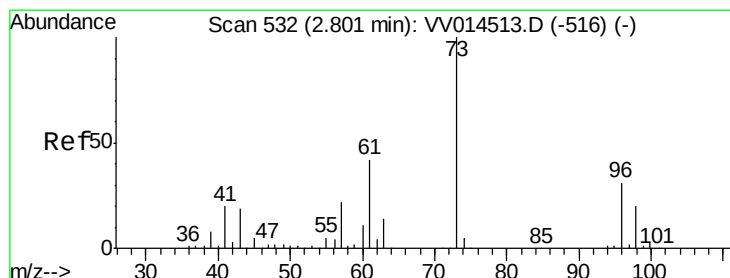
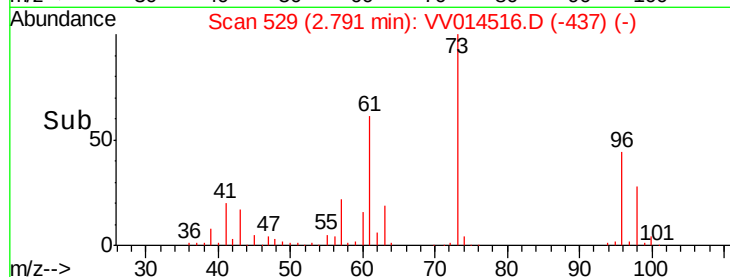
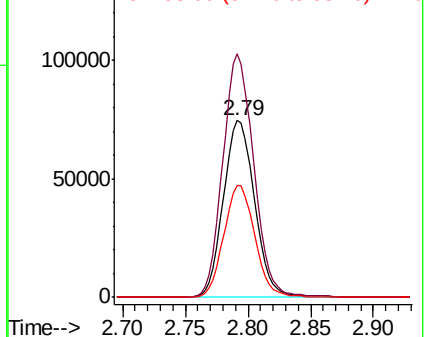
98 63.2 45.1 83.7



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: 54.964 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

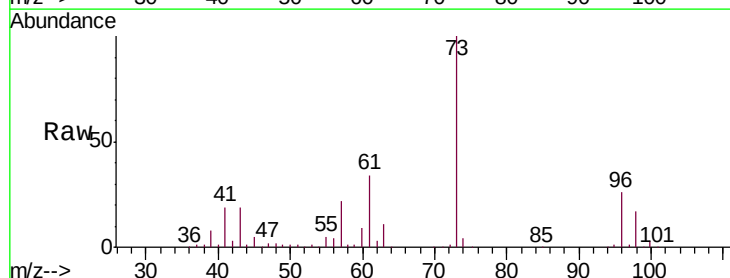
Tgt Ion: 73 Resp: 447335

Ion Ratio Lower Upper

73 100

43 18.4 14.9 22.3

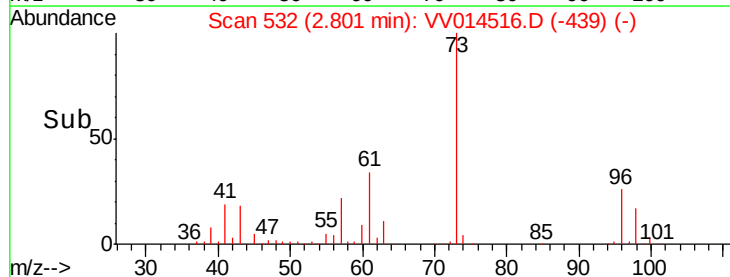
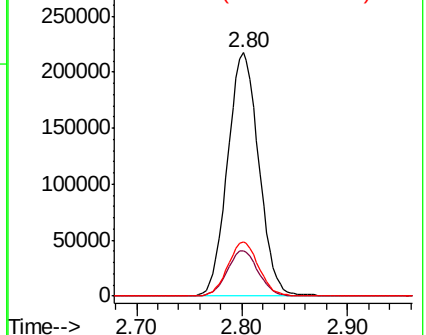
57 21.9 17.5 26.3

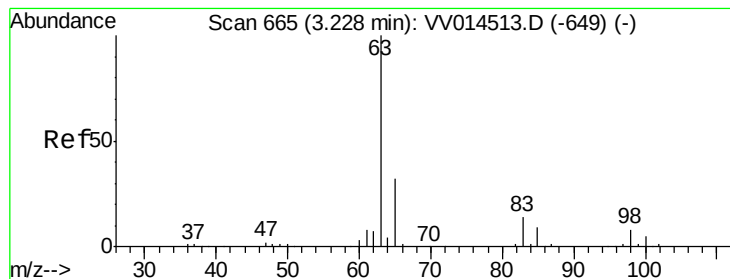


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.813 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampled :

VICV206

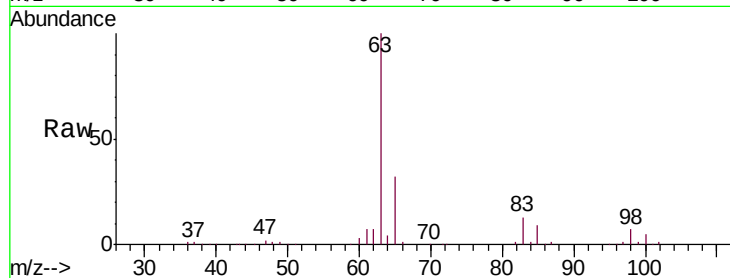
Tgt Ion: 63 Resp: 238125

Ion Ratio Lower Upper

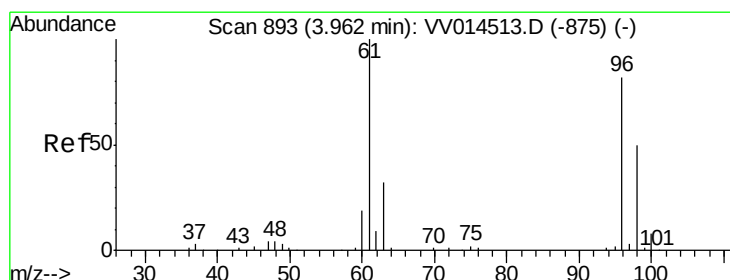
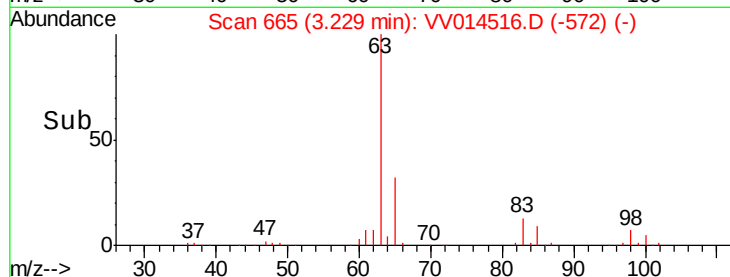
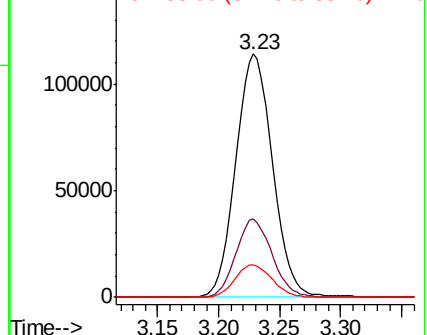
63 100

65 32.3 22.5 41.7

83 13.2 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 51.452 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

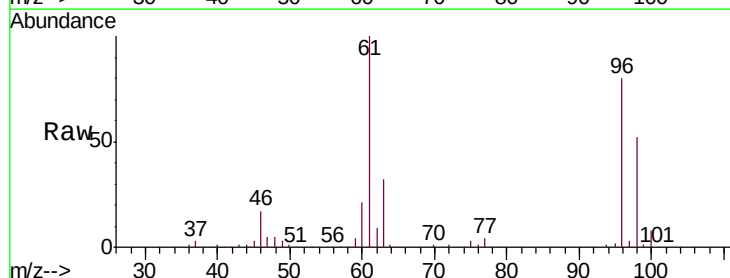
Tgt Ion: 96 Resp: 148811

Ion Ratio Lower Upper

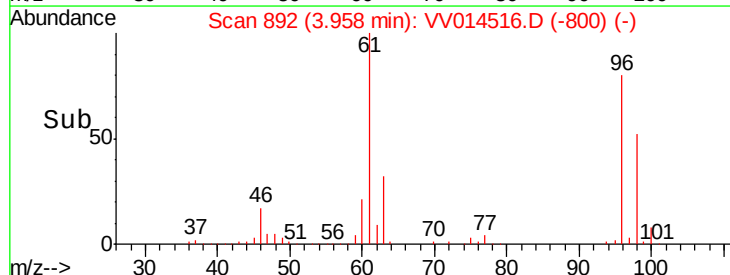
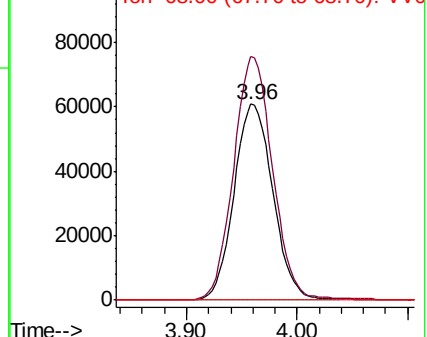
96 100

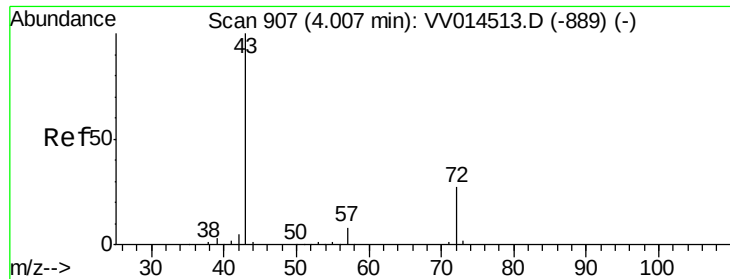
61 124.3 85.2 158.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 112.129 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

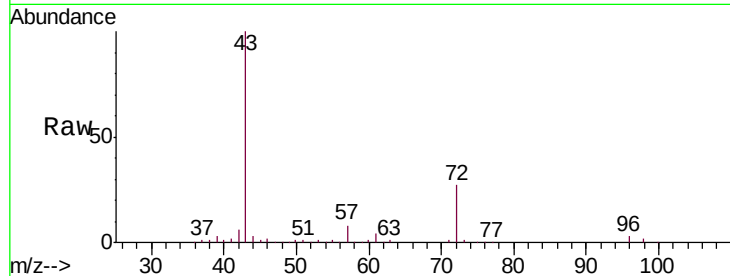
VICV206

Tgt Ion: 43 Resp: 220608

Ion Ratio Lower Upper

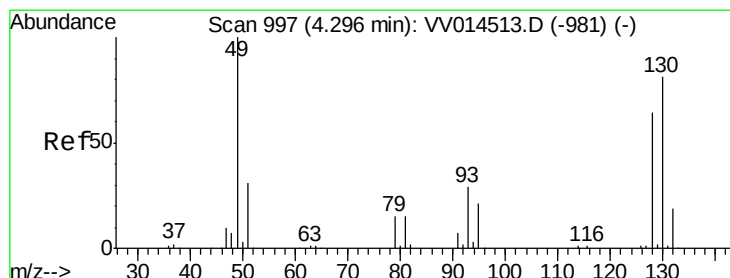
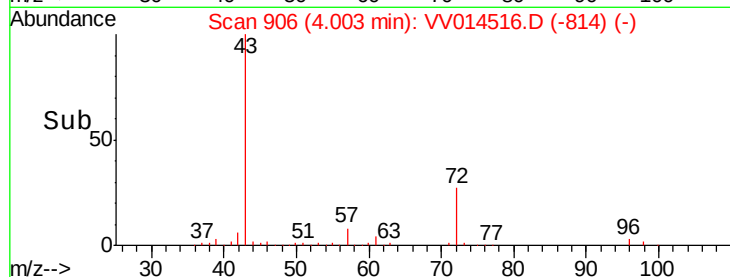
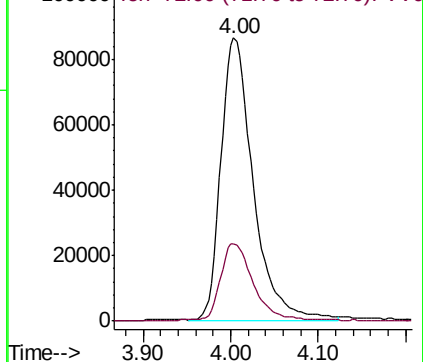
43 100

72 27.8 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV014516.D (-904) (-)

Ion 72.00 (71.70 to 72.70): VV014516.D (-904) (-)



#23

Bromochloromethane

Concen: 53.584 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Tgt Ion: 128 Resp: 73383

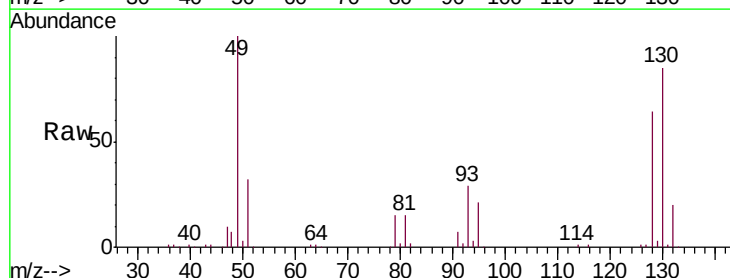
Ion Ratio Lower Upper

128 100

49 156.4 110.1 204.5

130 132.6 88.5 164.4

51 50.6 39.4 59.0

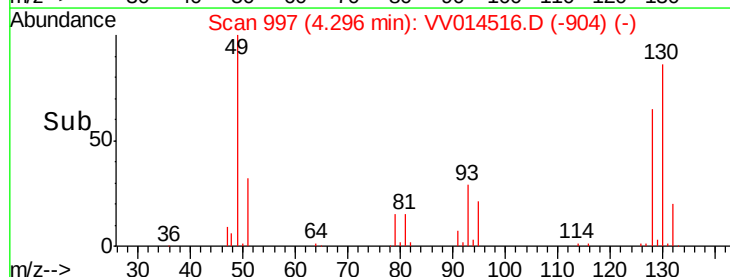
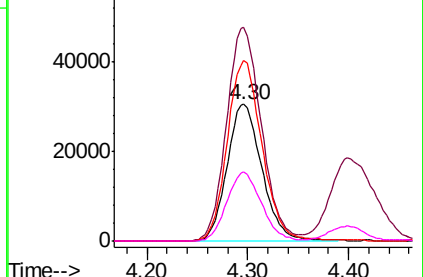


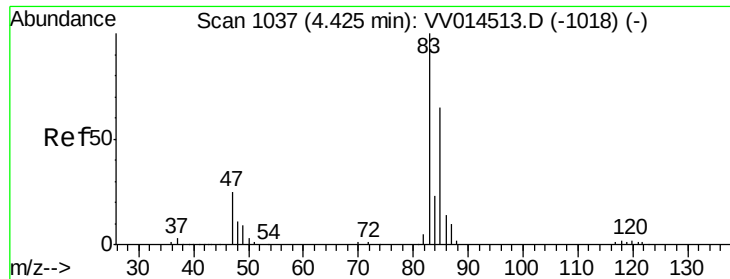
Abundance Ion 128.00 (127.70 to 128.70): VV014516.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV014516.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV014516.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV014516.D (-904) (-)

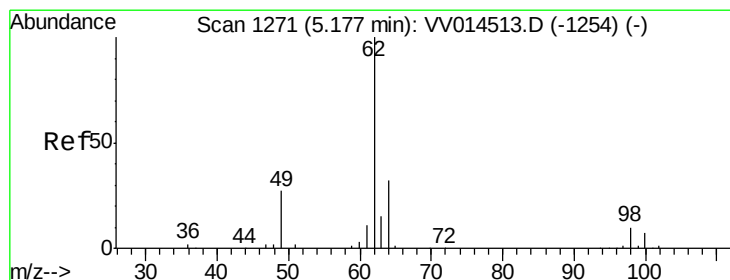
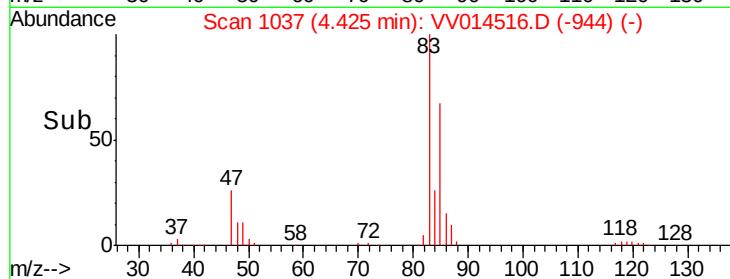
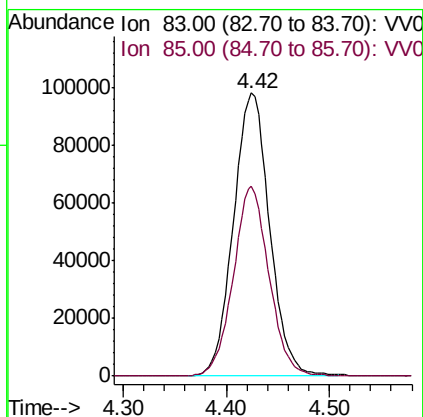
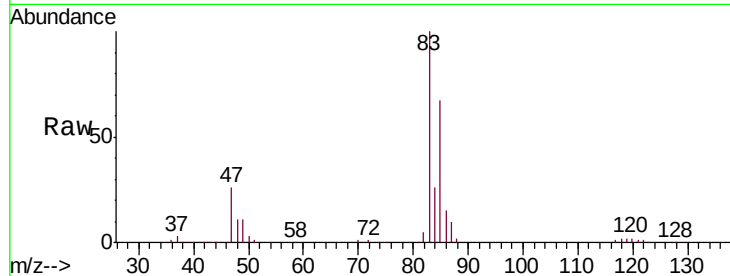




#25
Chloroform
Concen: 51.455 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014516.D
Acq: 06 Feb 2020 12:44

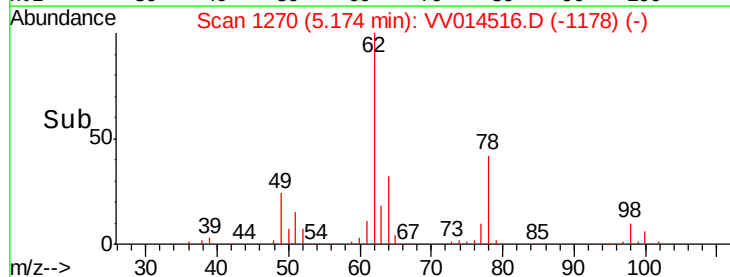
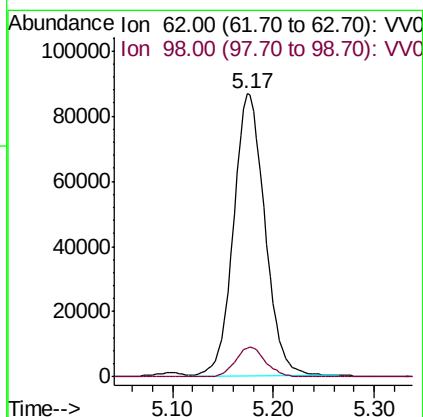
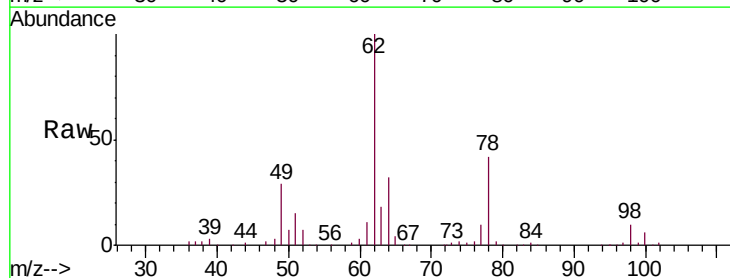
Instrument :
MSVOA_V
ClientSampled :
VICV206

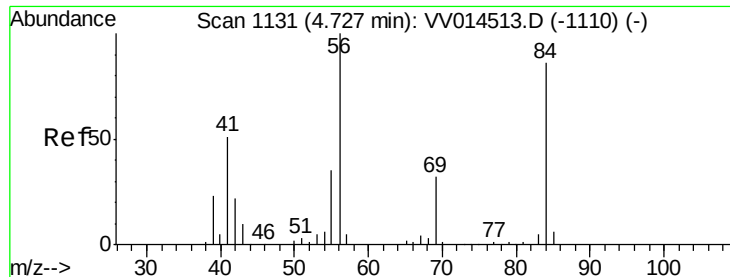
Tgt Ion: 83 Resp: 240456
Ion Ratio Lower Upper
83 100
85 67.2 45.8 85.0



#27
1,2-Dichloroethane
Concen: 53.898 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014516.D
Acq: 06 Feb 2020 12:44

Tgt Ion: 62 Resp: 187673
Ion Ratio Lower Upper
62 100
98 10.3 8.2 12.4

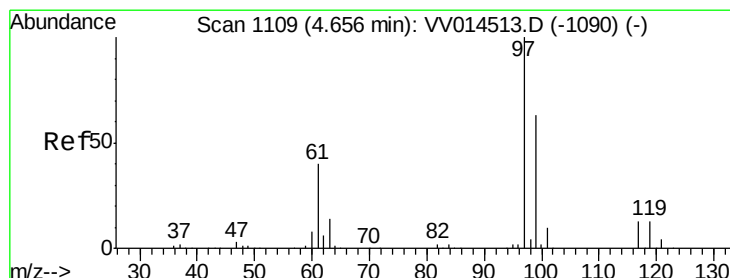
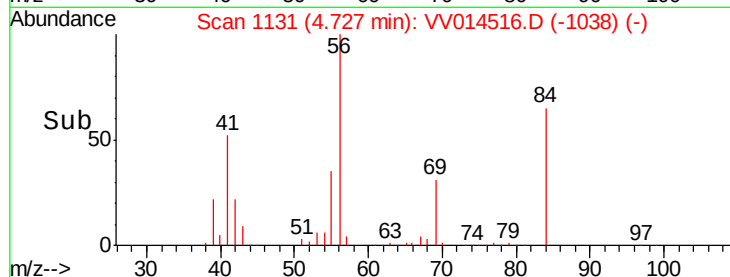
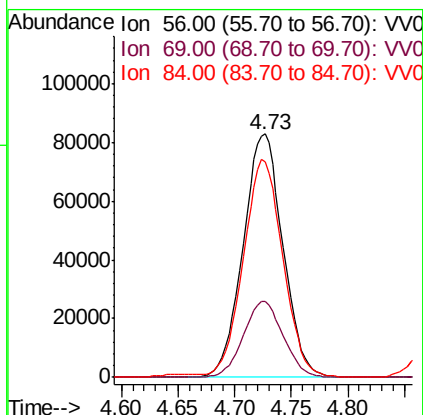
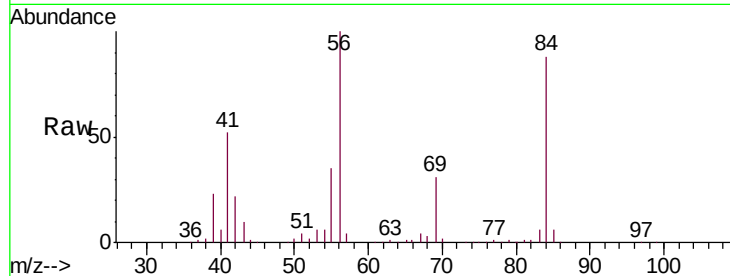




#29
Cyclohexane
Concen: 47.060 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV014516.D
Acq: 06 Feb 2020 12:44

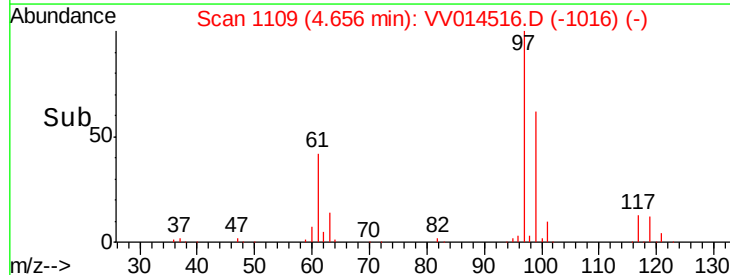
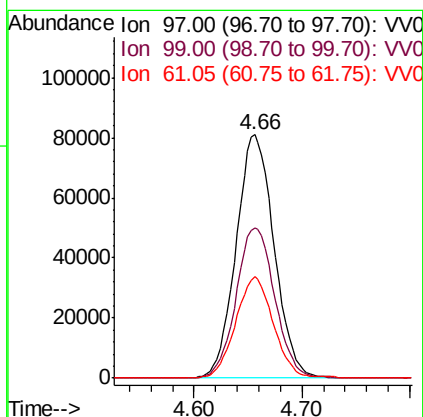
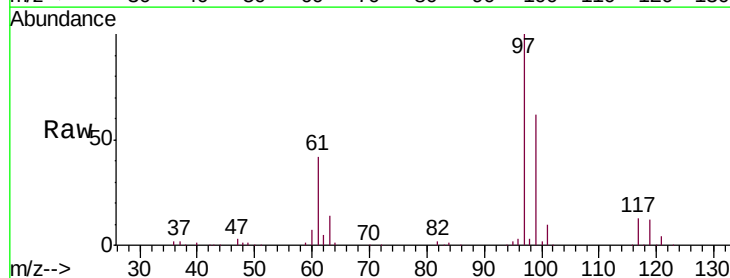
Instrument :
MSVOA_V
ClientSampleId :
VICV206

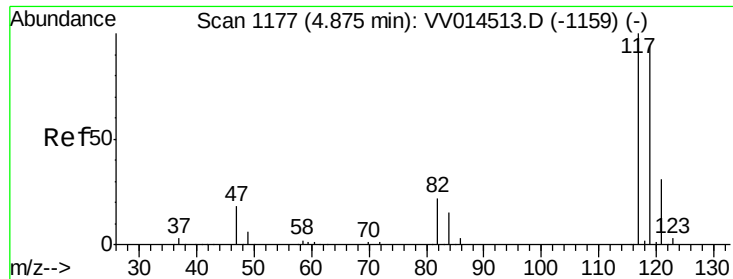
Tgt Ion: 56 Resp: 202676
Ion Ratio Lower Upper
56 100
69 31.2 25.2 37.8
84 89.3 69.8 104.8



#30
1,1,1-Trichloroethane
Concen: 49.691 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014516.D
Acq: 06 Feb 2020 12:44

Tgt Ion: 97 Resp: 198646
Ion Ratio Lower Upper
97 100
99 63.0 50.6 76.0
61 41.2 33.0 49.4





#31

Carbon tetrachloride

Concen: 48.450 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

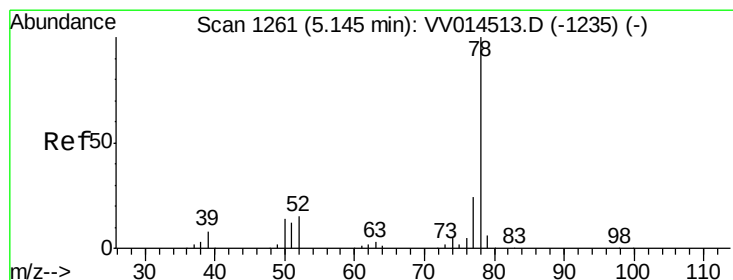
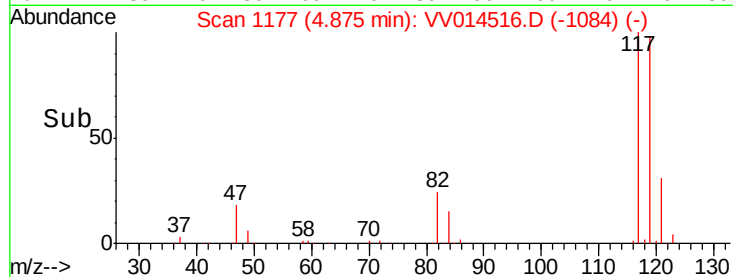
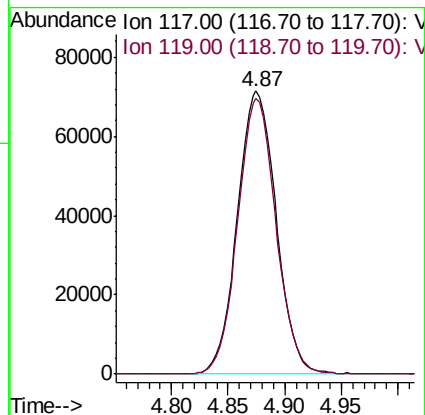
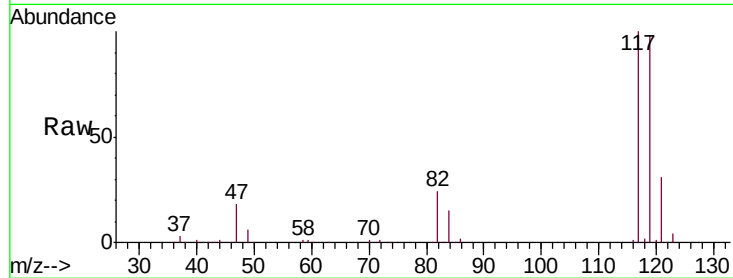
VICV206

Tgt Ion:117 Resp: 170870

Ion Ratio Lower Upper

117 100

119 96.2 76.7 115.1



#33

Benzene

Concen: 51.875 ug/L

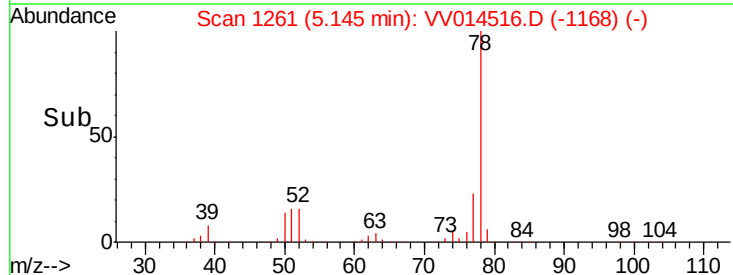
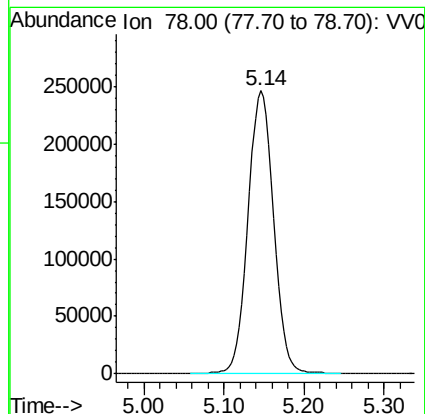
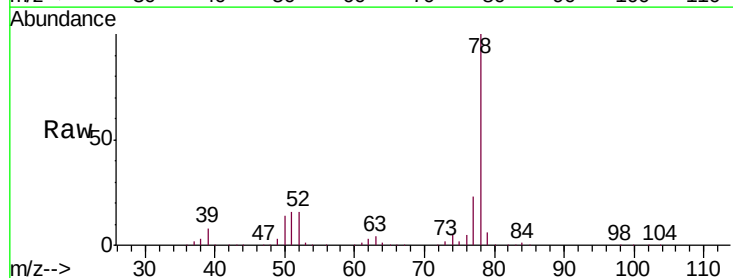
RT: 5.14 min Scan# 1261

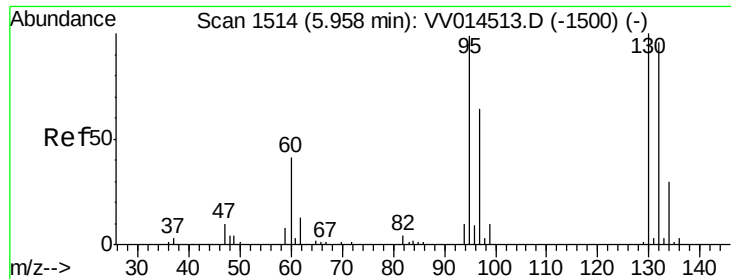
Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Tgt Ion: 78 Resp: 534203

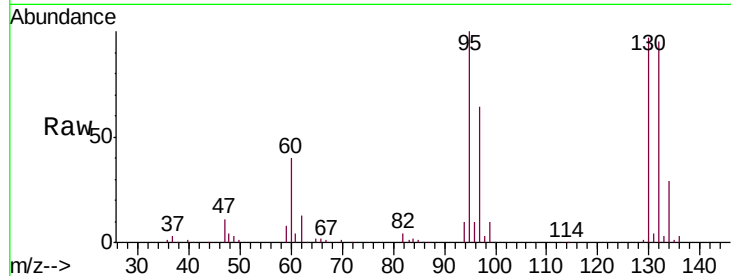




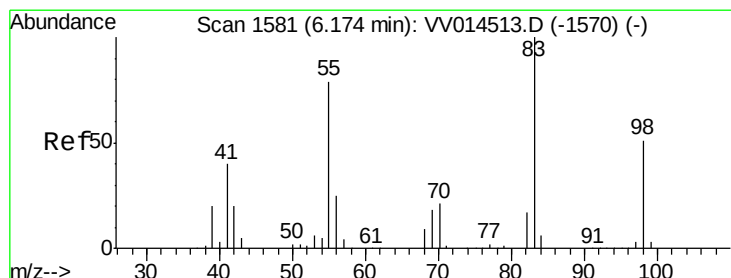
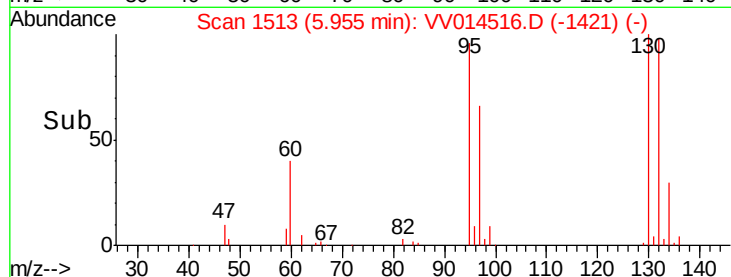
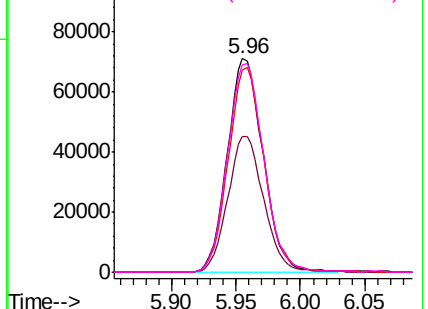
#34
 Trichloroethene
 Concen: 50.329 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV206

Tgt Ion: 95 Resp: 137380
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.1 83.7
 132 95.0 67.7 125.7
 130 97.1 70.5 130.9

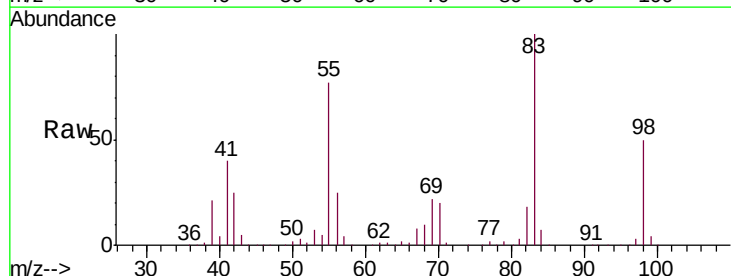


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

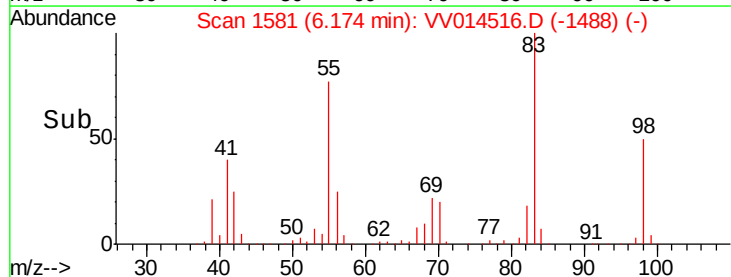
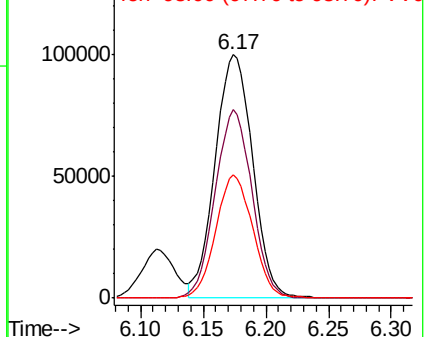


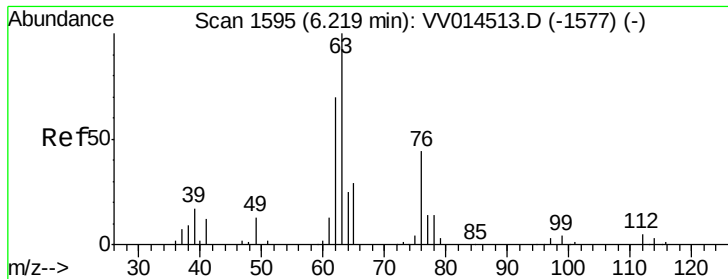
#35
 Methylcyclohexane
 Concen: 46.805 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

Tgt Ion: 83 Resp: 208781
 Ion Ratio Lower Upper
 83 100
 55 75.6 60.7 91.1
 98 49.8 39.4 59.0



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

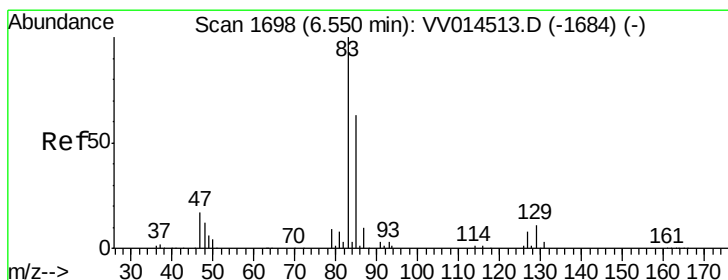
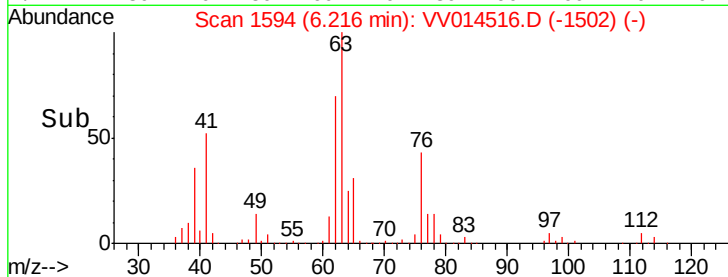
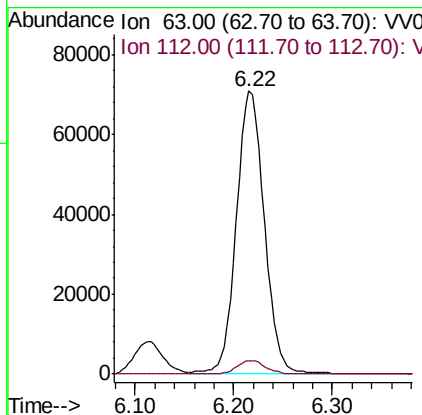
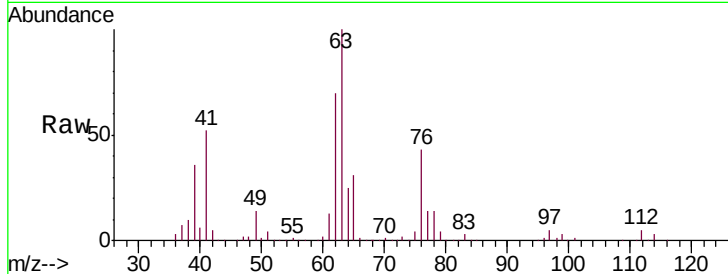




#37
 1,2-Dichloropropane
 Concen: 52.813 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

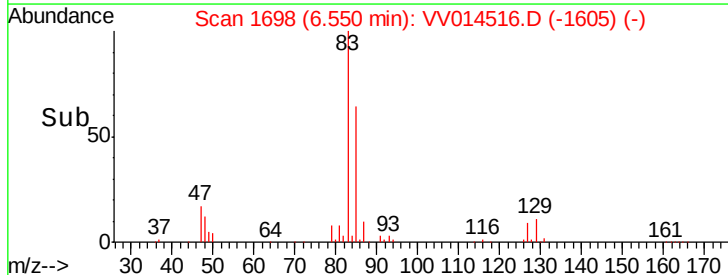
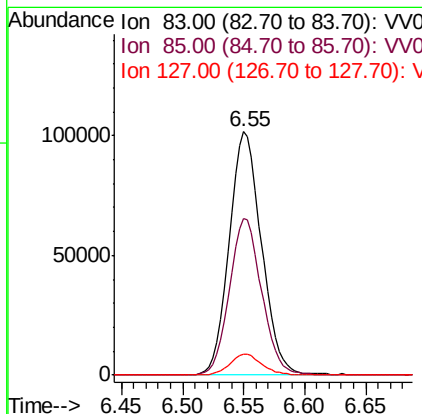
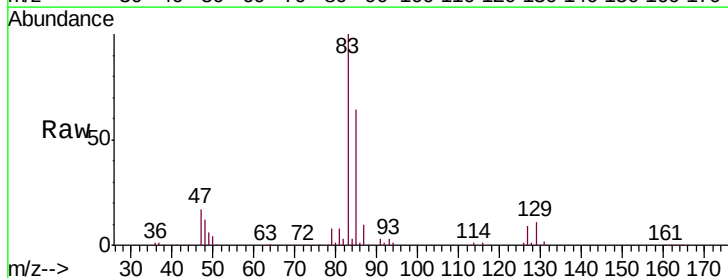
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV206

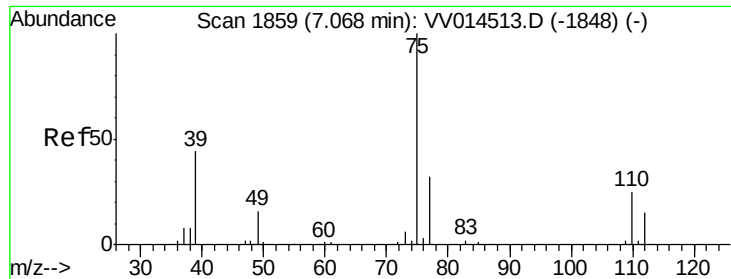
Tgt Ion: 63 Resp: 138529
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.7 5.5



#38
 Bromodichloromethane
 Concen: 53.398 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

Tgt Ion: 83 Resp: 187969
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.4 82.4
 127 8.8 6.7 10.1

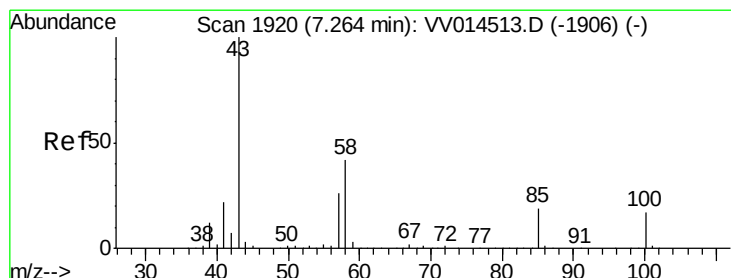
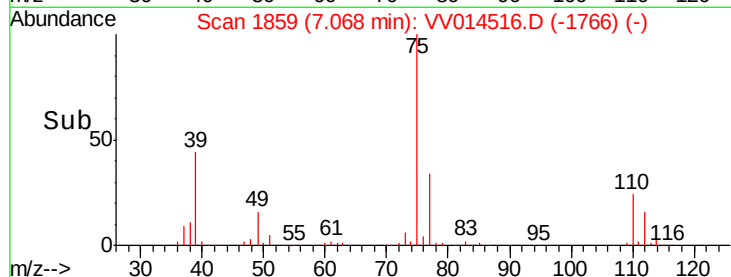
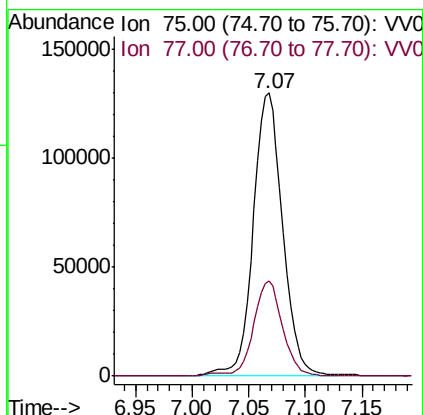
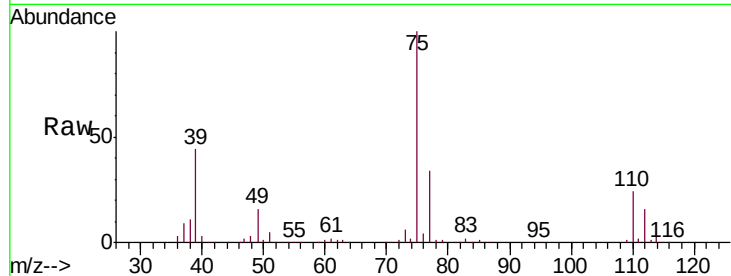




#39
 cis-1,3-Dichloropropene
 Concen: 53.733 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

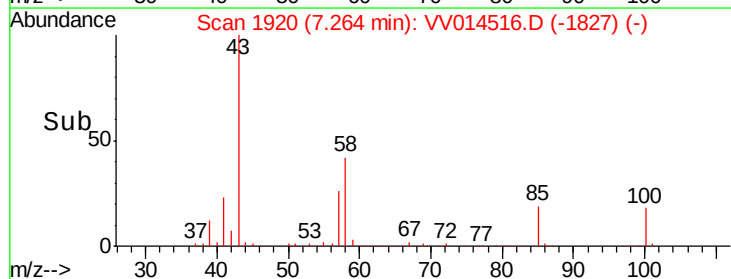
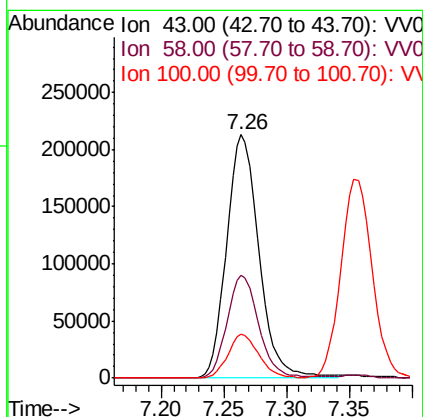
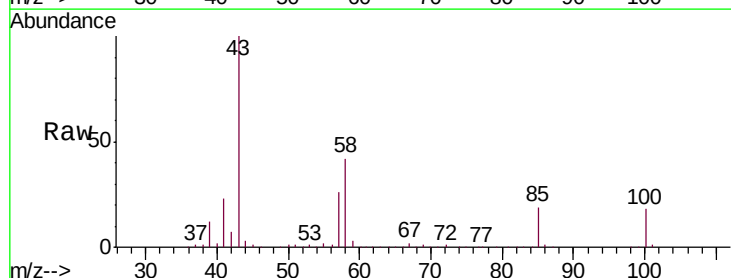
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV206

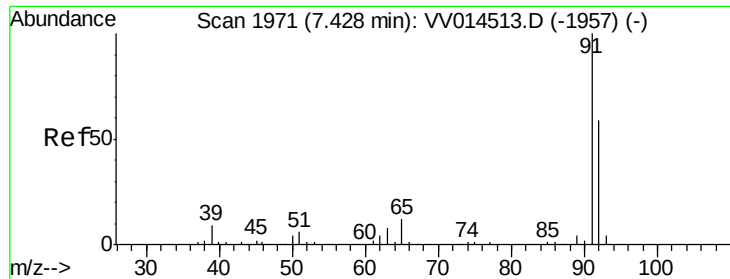
Tgt Ion: 75 Resp: 235111
 Ion Ratio Lower Upper
 75 100
 77 33.7 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 112.329 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

Tgt Ion: 43 Resp: 380757
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.2 49.8
 100 17.4 13.9 20.9





#42

Toluene

Concen: 49.989 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

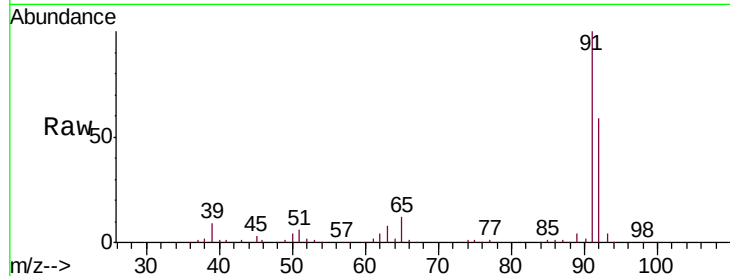
VICV206

Tgt Ion: 91 Resp: 551941

Ion Ratio Lower Upper

91 100

92 59.3 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV014516.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VV014516.D (-1878) (-)

7.43

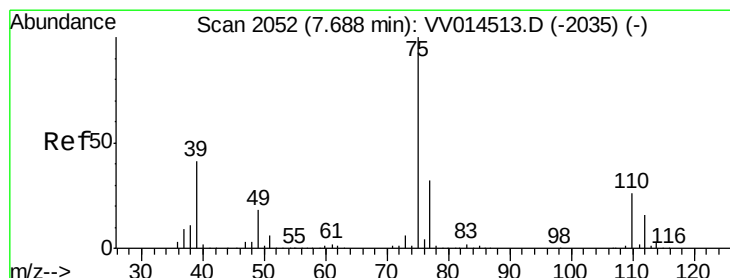
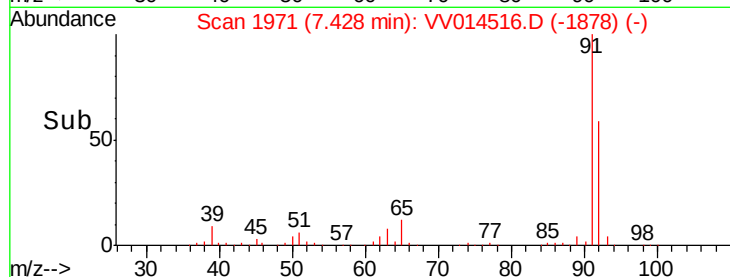
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.624 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014516.D

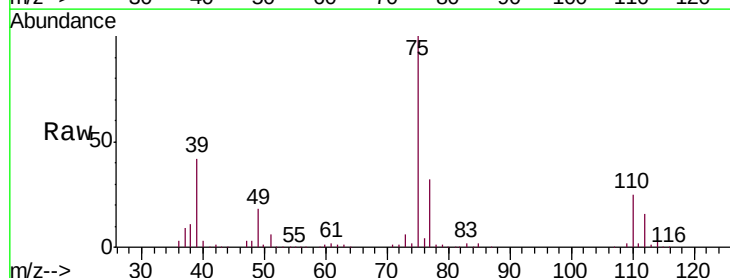
Acq: 06 Feb 2020 12:44

Tgt Ion: 75 Resp: 210378

Ion Ratio Lower Upper

75 100

77 32.0 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV014516.D (-1959) (-)

Ion 77.00 (76.70 to 77.70): VV014516.D (-1959) (-)

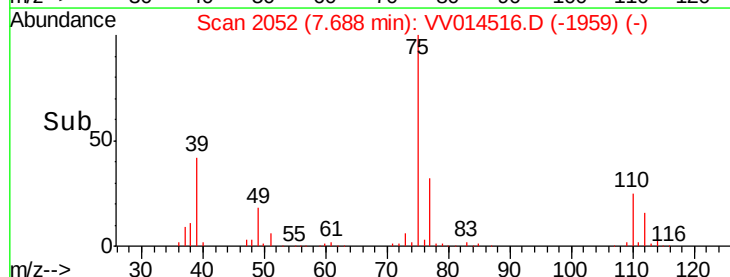
7.69

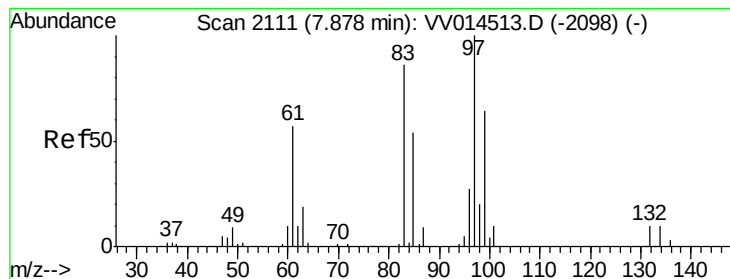
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 54.248 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VICV206

Tgt Ion: 97 Resp: 136512

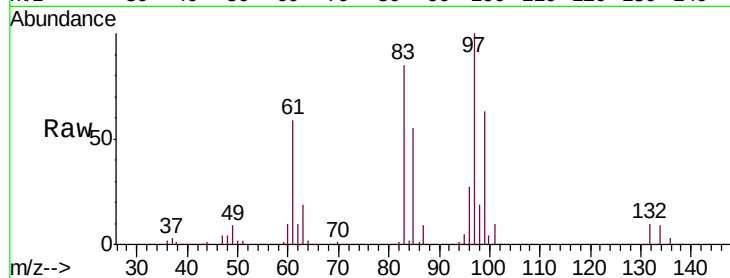
Ion Ratio Lower Upper

97 100

99 62.5 44.5 82.7

83 85.1 60.1 111.5

85 54.6 38.1 70.9

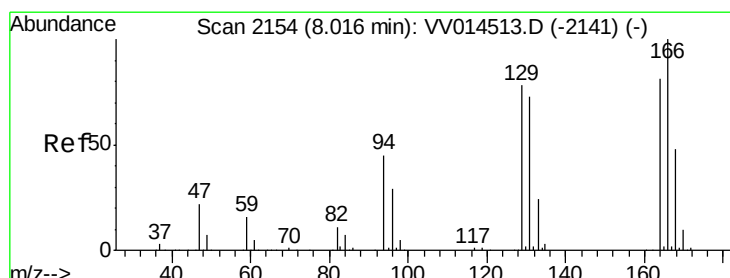
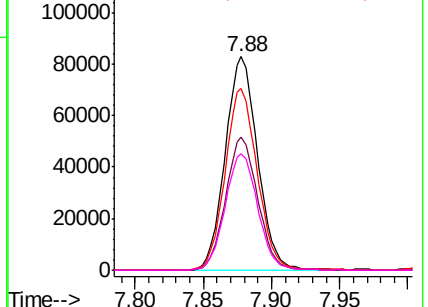
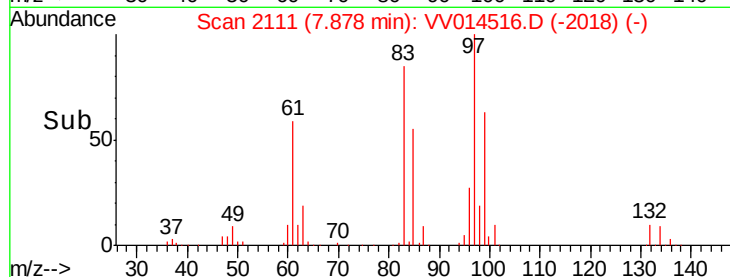


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 47.650 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Tgt Ion: 164 Resp: 99225

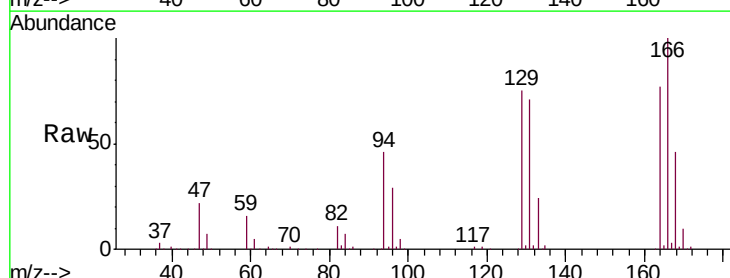
Ion Ratio Lower Upper

164 100

129 97.1 68.0 126.4

131 92.7 63.4 117.8

166 129.7 86.9 161.3

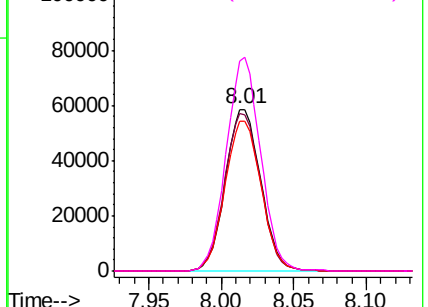
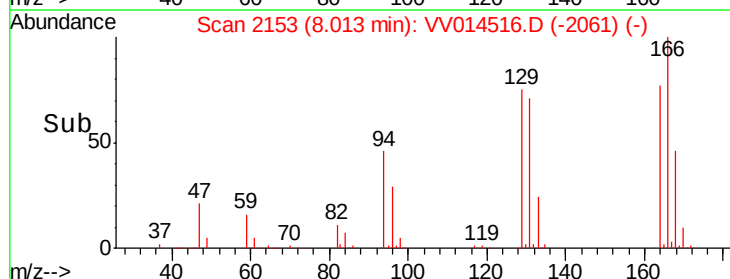


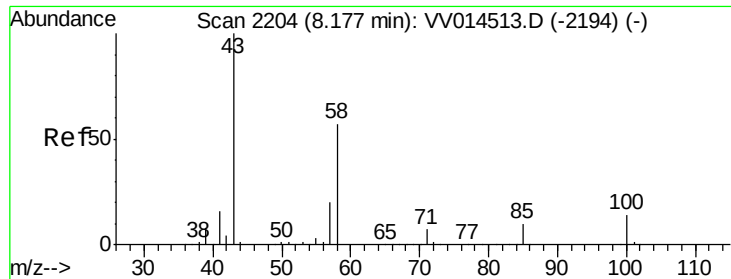
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

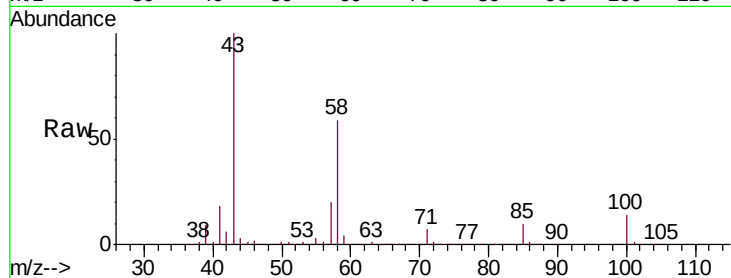




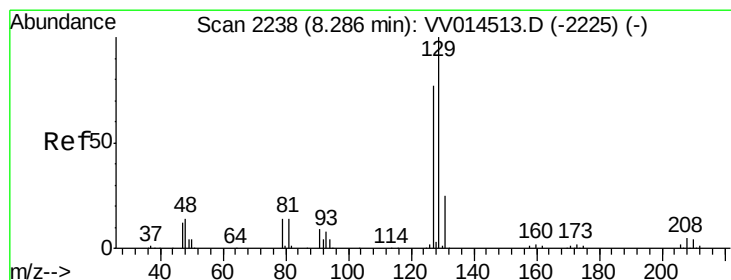
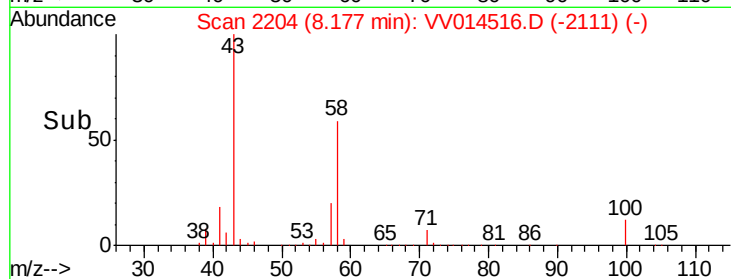
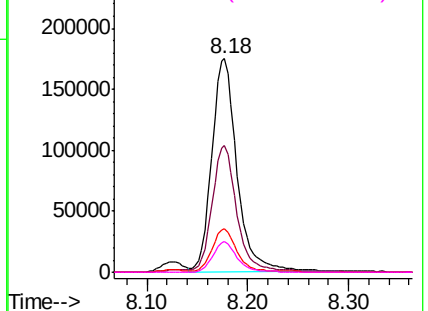
#48
2-Hexanone
Concen: 115.875 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014516.D
Acq: 06 Feb 2020 12:44

Instrument :
MSVOA_V
ClientSampleId :
VICV206

Tgt Ion: 43 Resp: 302367
Ion Ratio Lower Upper
43 100
58 58.6 45.5 68.3
57 19.4 15.8 23.6
100 13.8 10.8 16.2

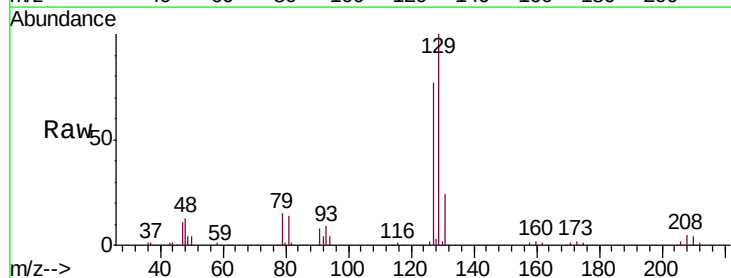


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

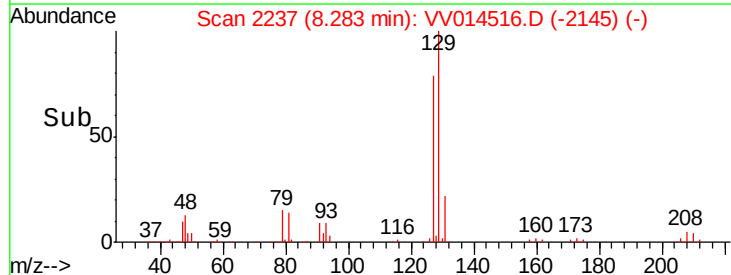
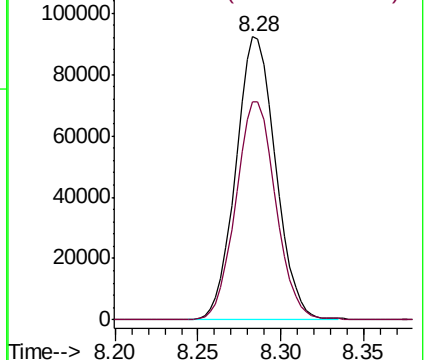


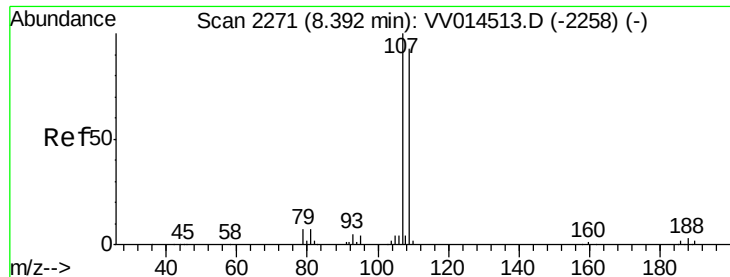
#49
Dibromochloromethane
Concen: 54.207 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014516.D
Acq: 06 Feb 2020 12:44

Tgt Ion: 129 Resp: 154007
Ion Ratio Lower Upper
129 100
127 77.2 54.1 100.5



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





#50

1,2-Dibromoethane

Concen: 54.378 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VICV206

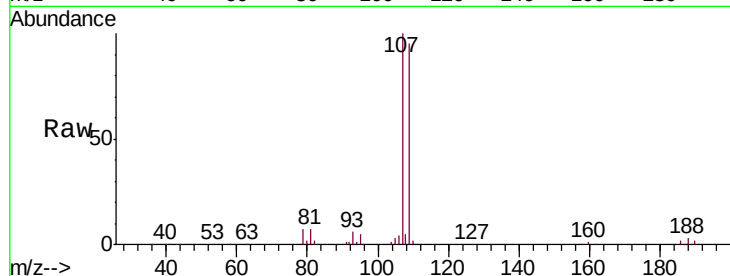
Tgt Ion:107 Resp: 148205

Ion Ratio Lower Upper

107 100

109 95.1 65.2 121.2

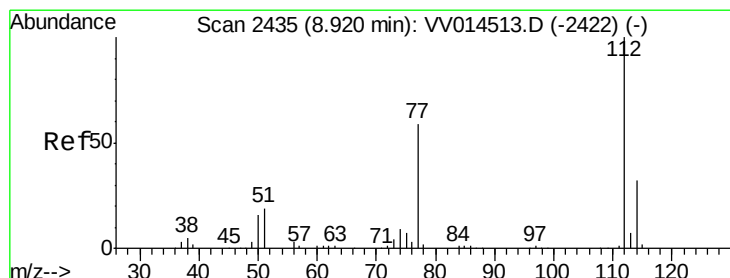
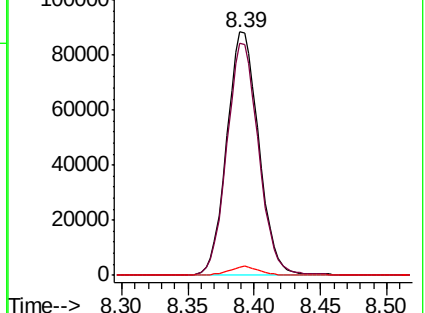
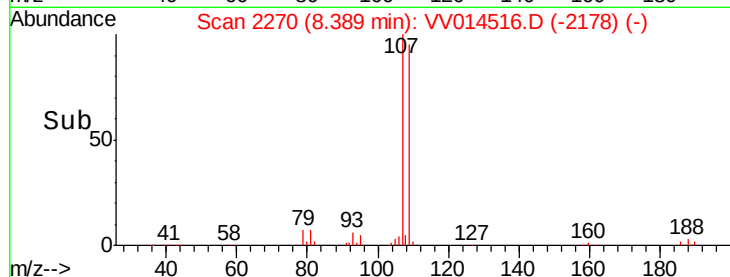
188 3.7 2.6 4.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 49.790 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

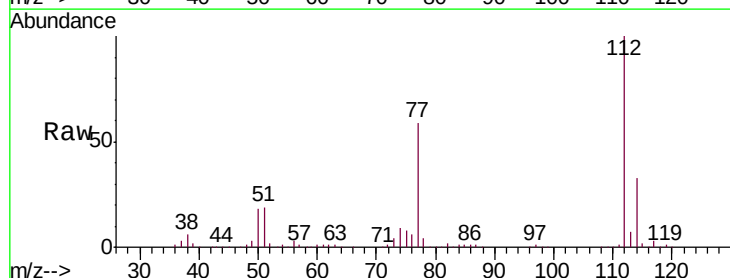
Tgt Ion:112 Resp: 359093

Ion Ratio Lower Upper

112 100

114 33.1 22.3 41.5

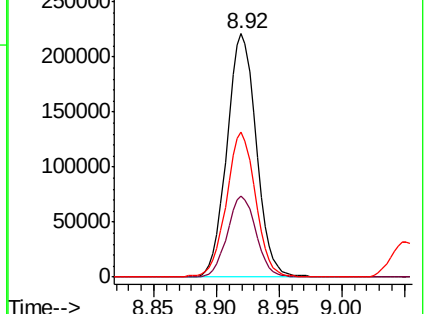
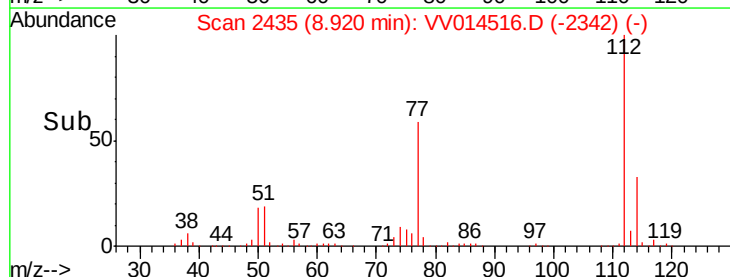
77 59.3 47.3 70.9

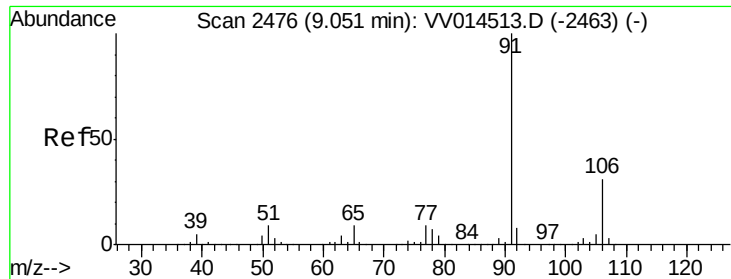


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 49.126 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

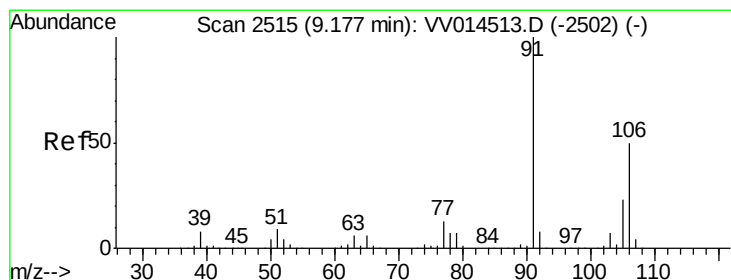
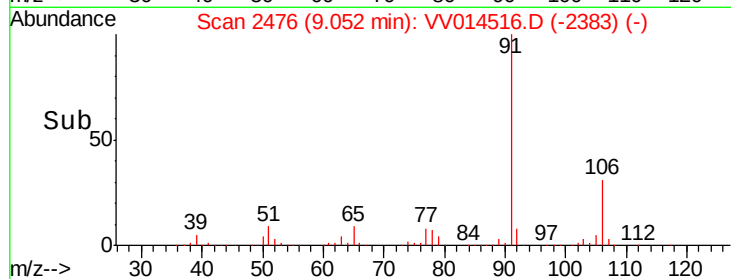
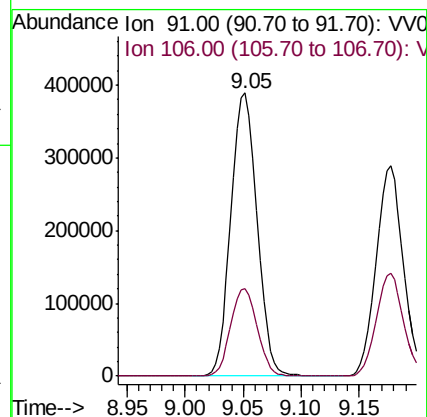
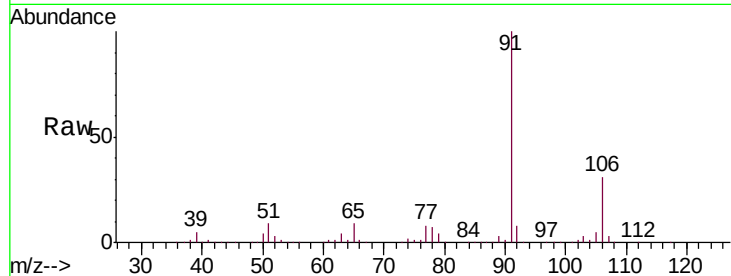
VICV206

Tgt Ion: 91 Resp: 608274

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



#53

m,p-Xylene

Concen: 48.852 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014516.D

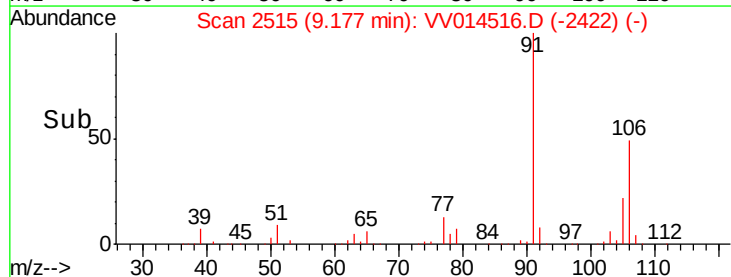
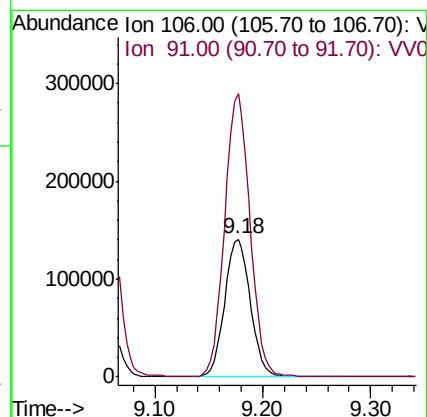
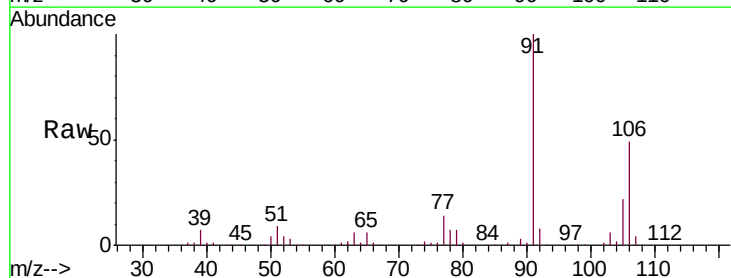
Acq: 06 Feb 2020 12:44

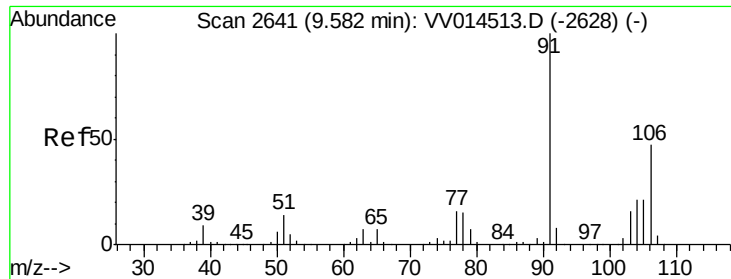
Tgt Ion: 106 Resp: 232998

Ion Ratio Lower Upper

106 100

91 205.3 141.4 262.6

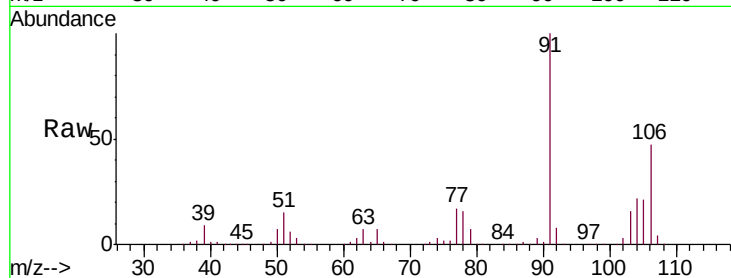




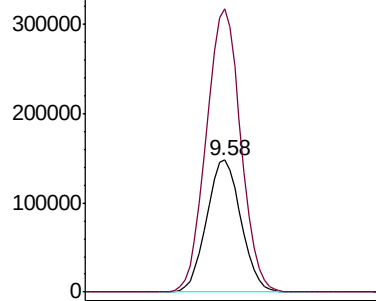
#54
o-Xylene
Concen: 50.195 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014516.D
Acq: 06 Feb 2020 12:44

Instrument :
MSVOA_V
ClientSampled :
VICV206

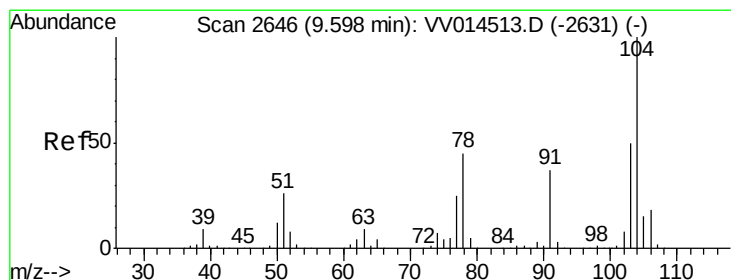
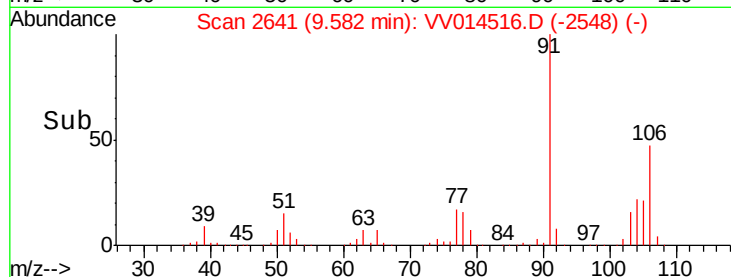
Tgt Ion:106 Resp: 229141
Ion Ratio Lower Upper
106 100
91 213.9 149.4 277.4



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

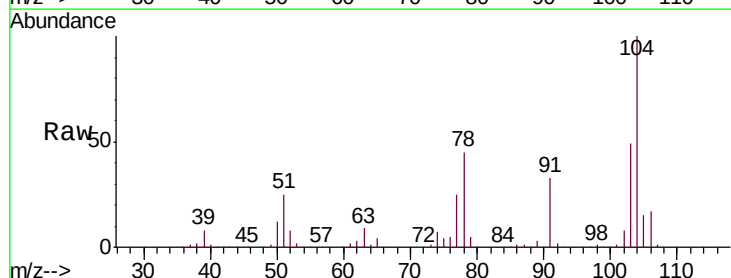


Time-->

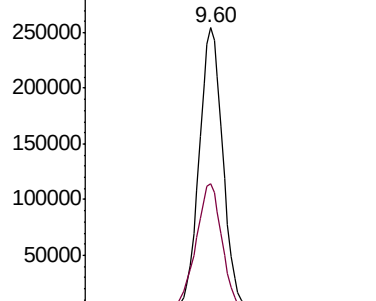


#55
Styrene
Concen: 51.217 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014516.D
Acq: 06 Feb 2020 12:44

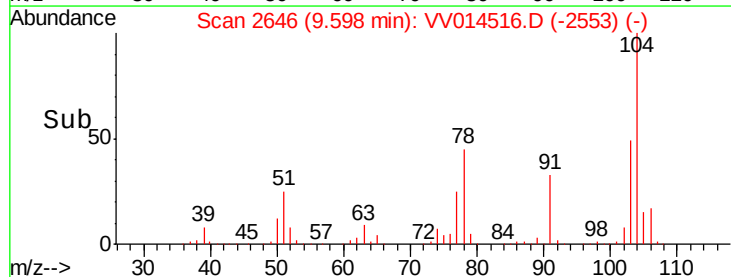
Tgt Ion:104 Resp: 399599
Ion Ratio Lower Upper
104 100
78 45.1 31.6 58.8

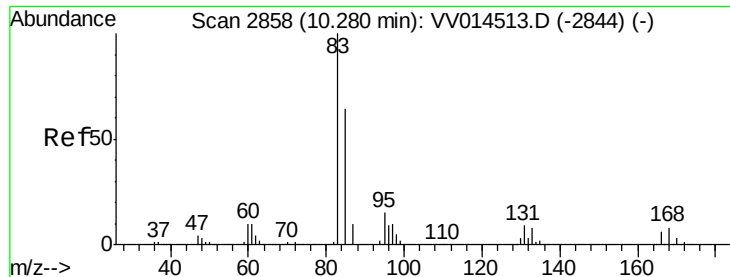


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time-->

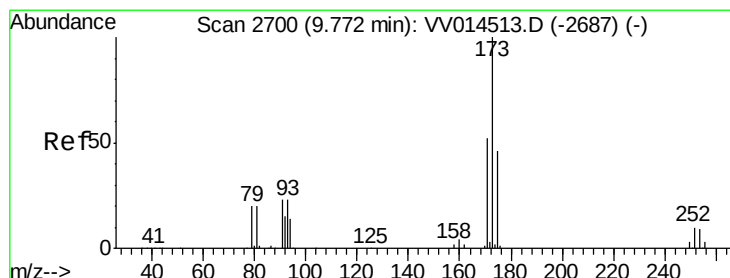
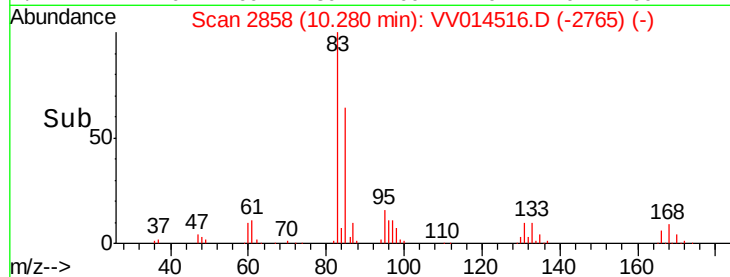
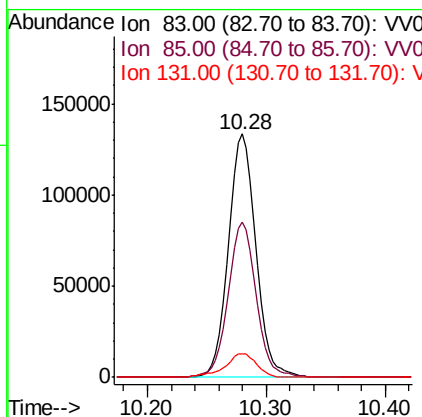
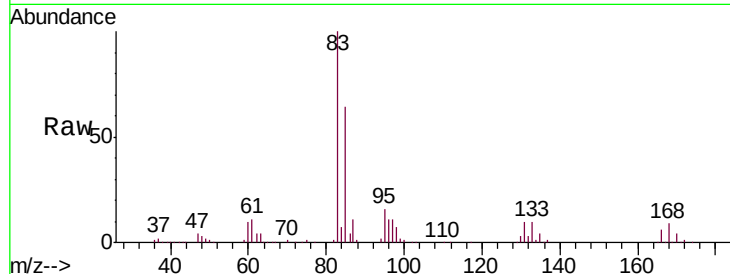




#57
 1,1,2,2-Tetrachloroethane
 Concen: 54.217 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

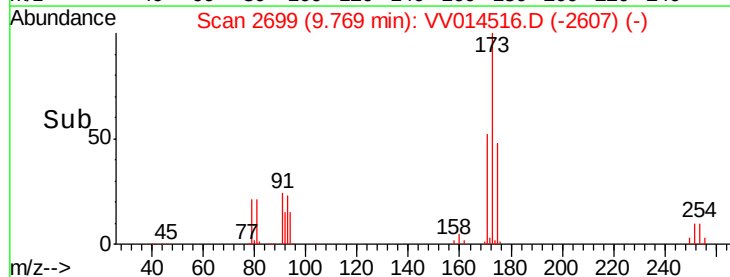
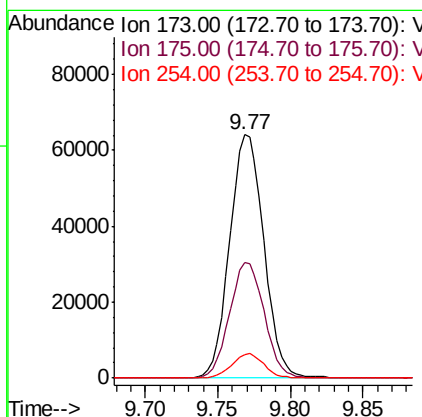
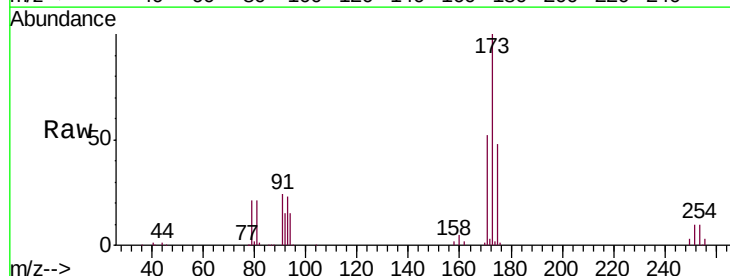
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV206

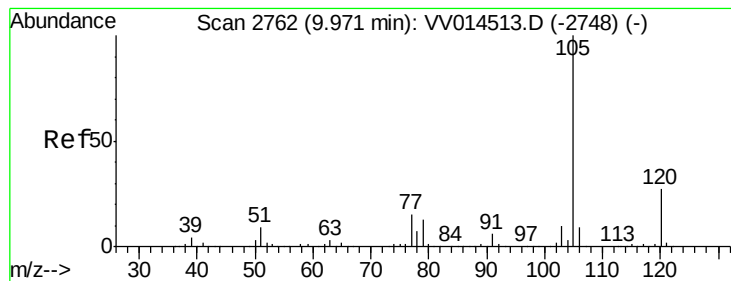
Tgt Ion: 83 Resp: 213835
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.2 84.0
 131 9.9 7.8 11.8



#59
 Bromoform
 Concen: 54.523 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

Tgt Ion: 173 Resp: 105109
 Ion Ratio Lower Upper
 173 100
 175 48.2 37.8 56.8
 254 9.5 7.0 10.6





#60

Isopropylbenzene

Concen: 50.412 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

Instrument :

MSVOA_V

ClientSampled :

VICV206

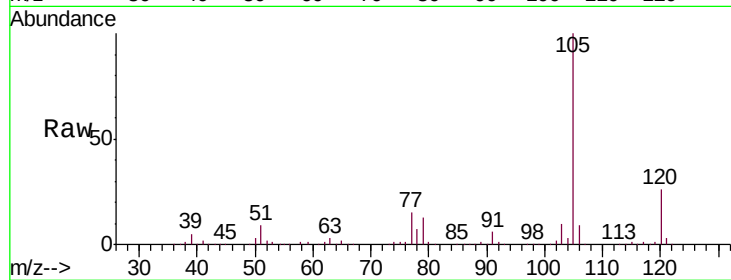
Tgt Ion: 105 Resp: 589236

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

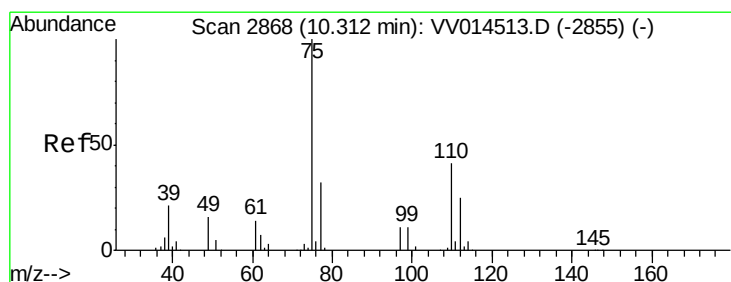
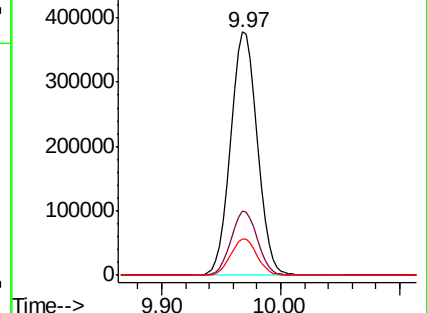
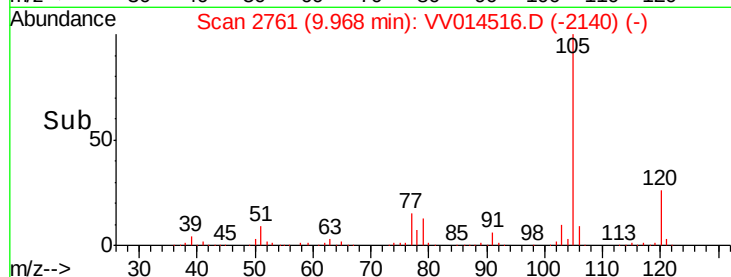
77 15.0 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 56.005 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014516.D

Acq: 06 Feb 2020 12:44

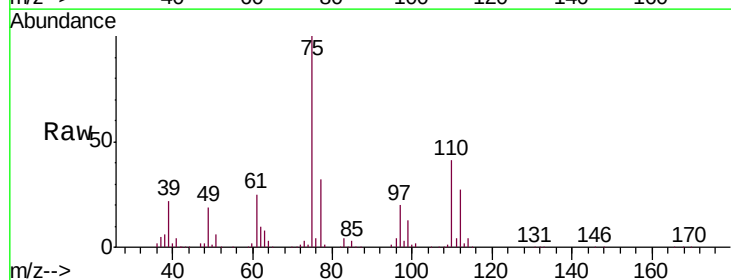
Tgt Ion: 75 Resp: 171432

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8

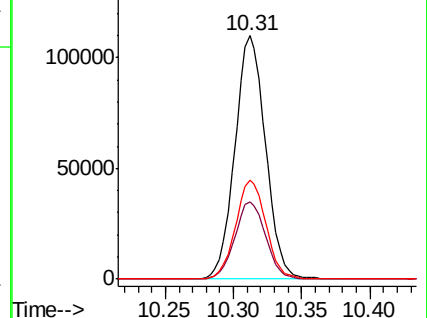
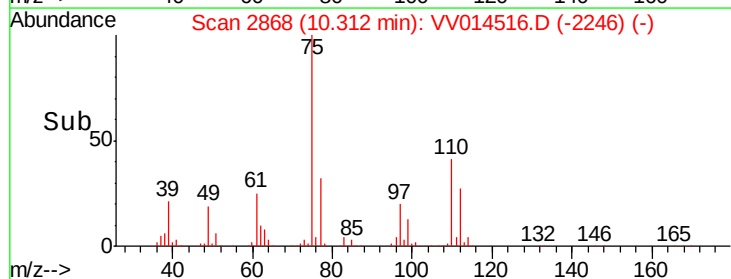
110 40.3 32.4 48.6

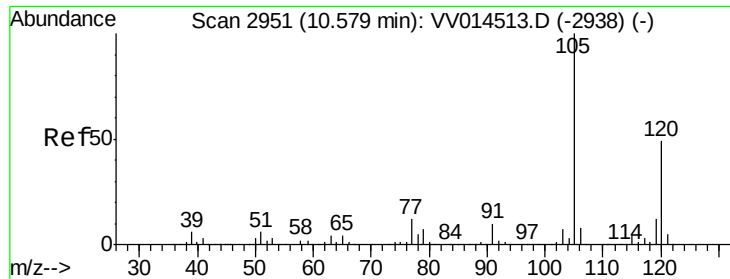


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

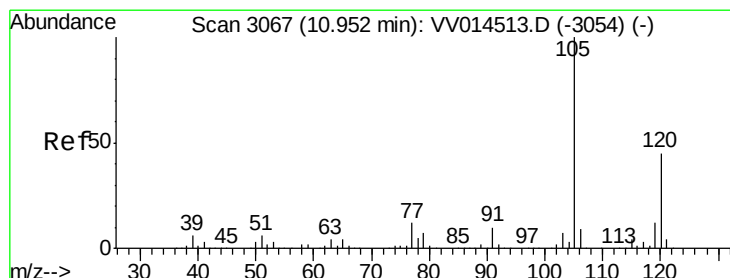
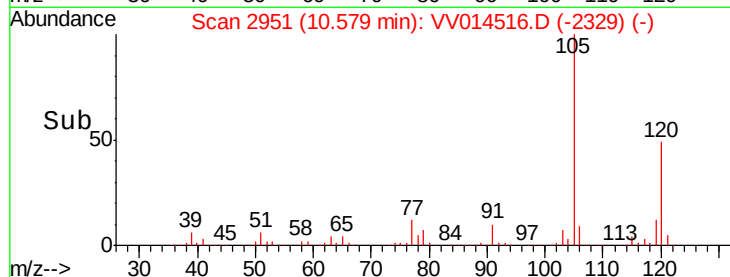
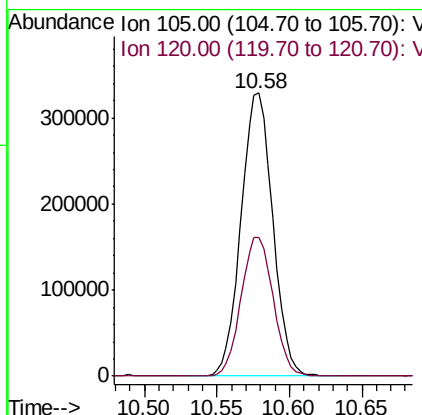
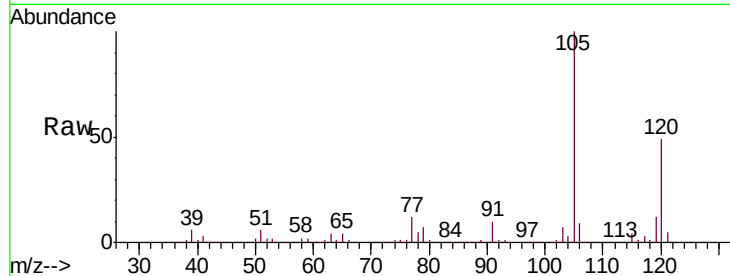




#62
 1,3,5-Trimethylbenzene
 Concen: 50.059 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

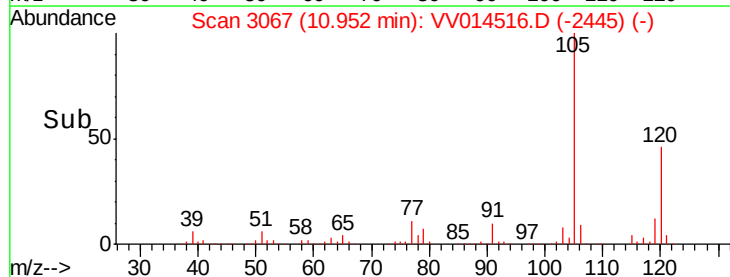
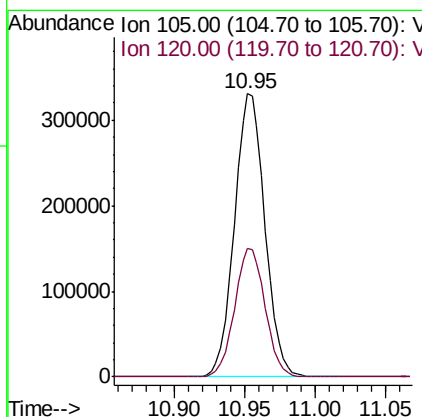
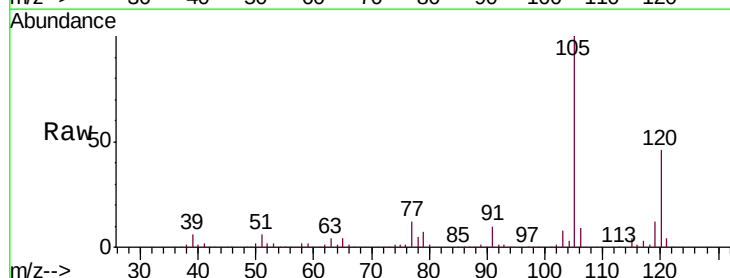
Instrument :
 MSVOA_V
 ClientSampled :
 VICV206

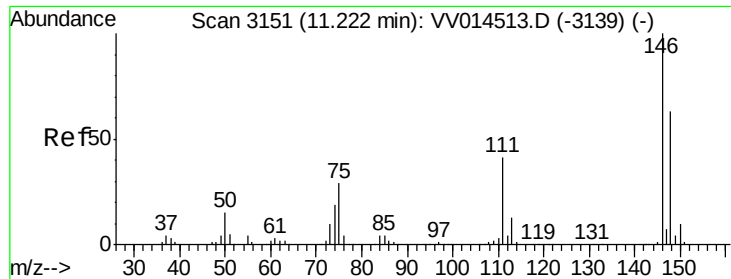
Tgt Ion:105 Resp: 500909
 Ion Ratio Lower Upper
 105 100
 120 49.8 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 50.657 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

Tgt Ion:105 Resp: 499717
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.2 54.4

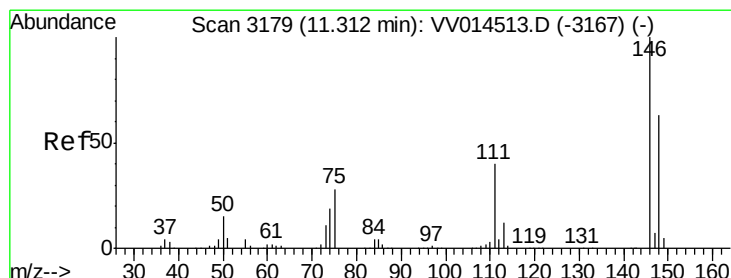
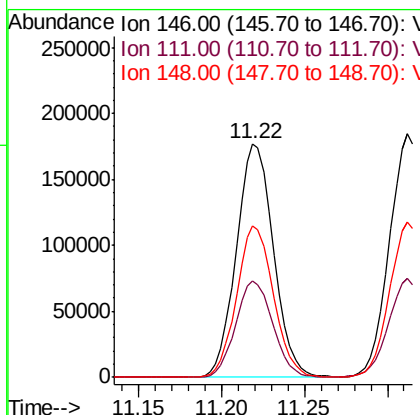
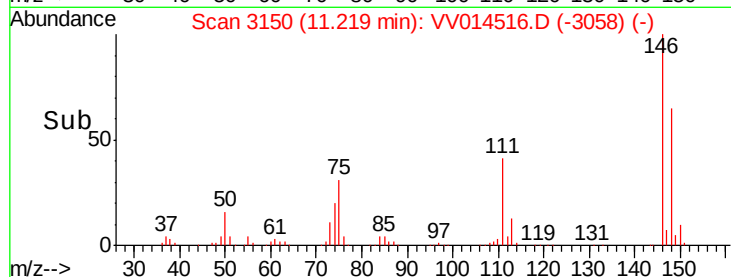
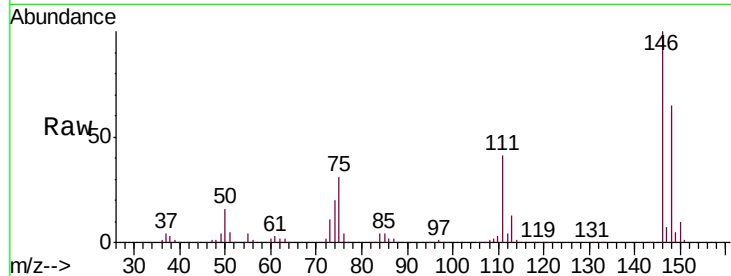




#64
 1,3-Dichlorobenzene
 Concen: 49.960 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

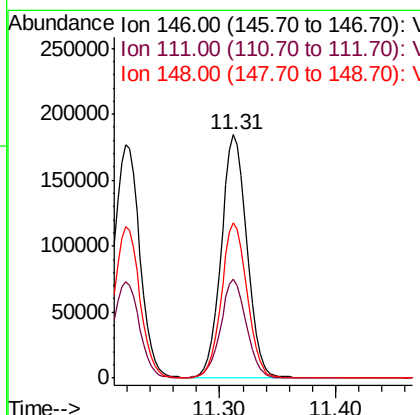
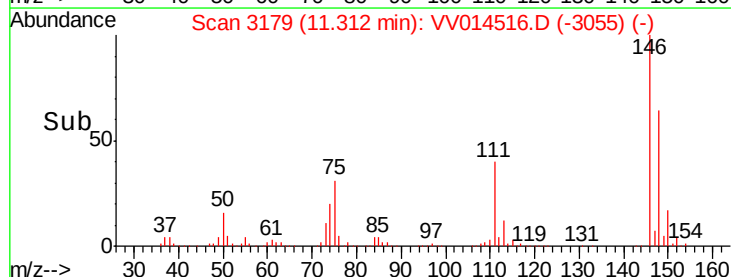
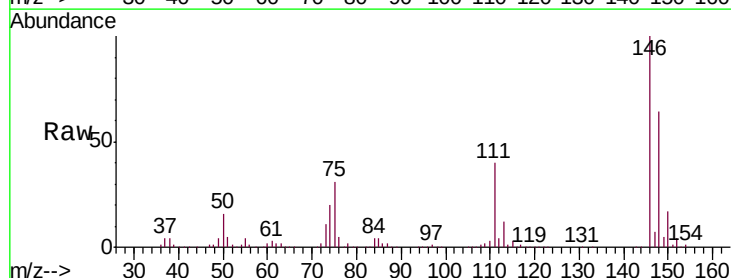
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV206

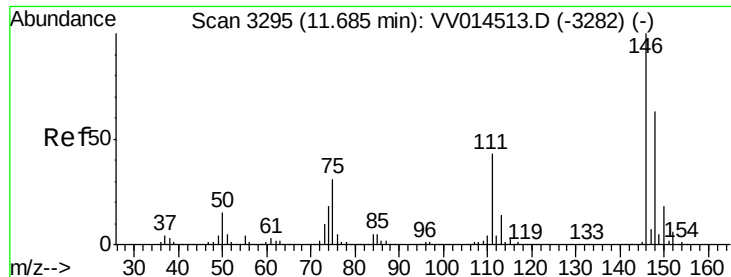
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	28.9	53.7
148	64.6	44.4	82.5



#65
 1,4-Dichlorobenzene
 Concen: 50.209 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	28.1	52.3
148	63.9	44.4	82.4

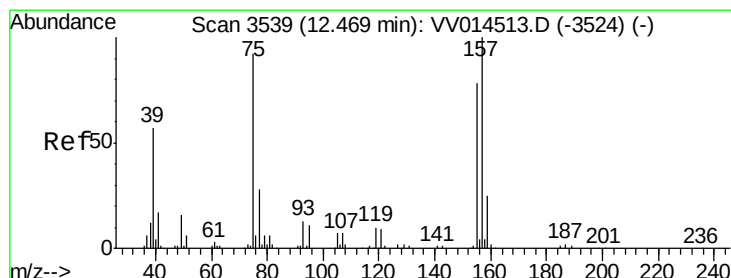
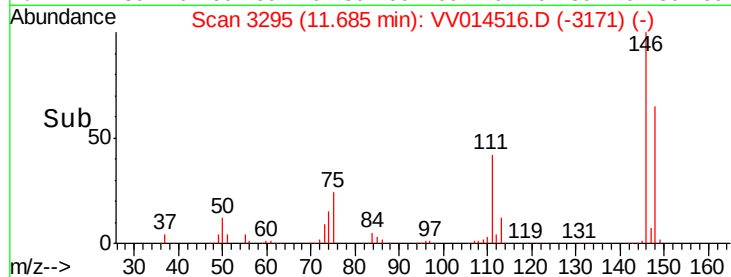
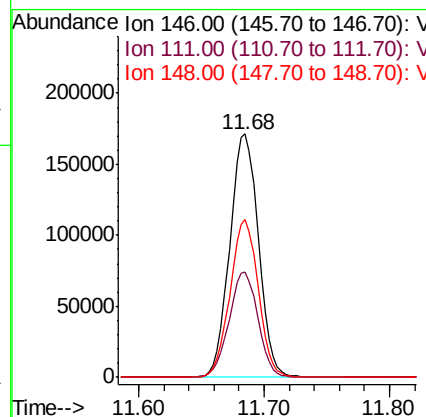
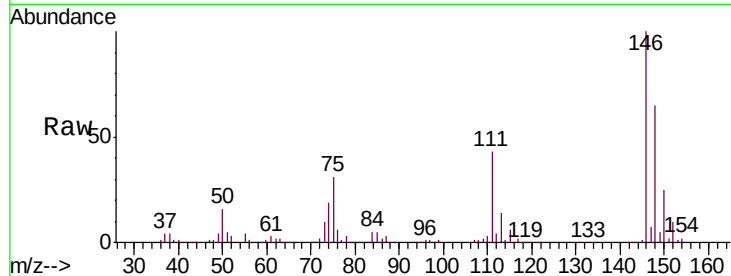




#67
 1,2-Dichlorobenzene
 Concen: 50.898 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

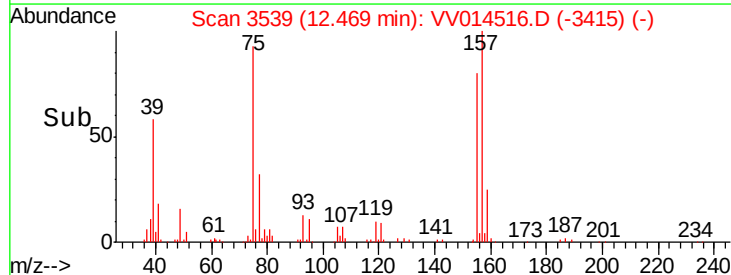
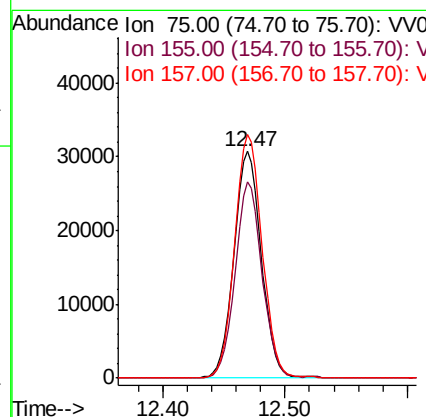
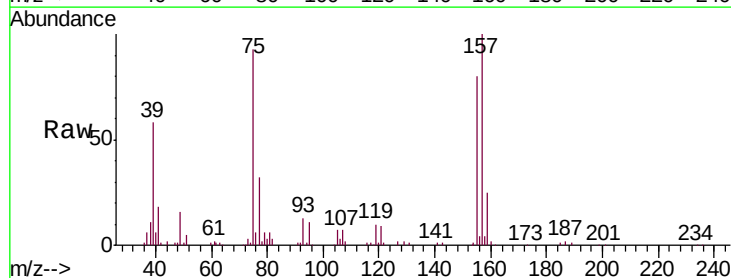
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV206

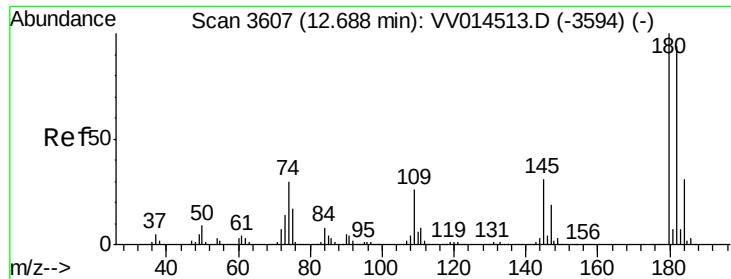
Tgt Ion: 146 Resp: 272071
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.6 51.8
 148 64.6 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 56.482 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

Tgt Ion: 75 Resp: 48417
 Ion Ratio Lower Upper
 75 100
 155 86.4 68.3 102.5
 157 107.4 87.1 130.7

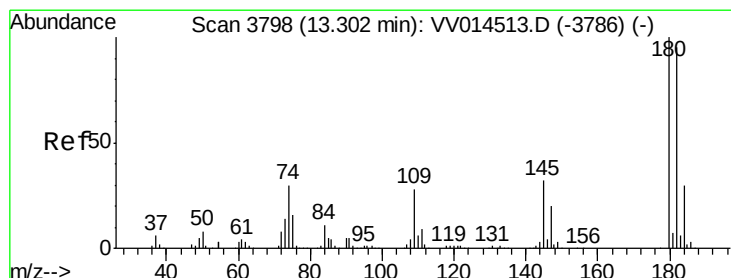
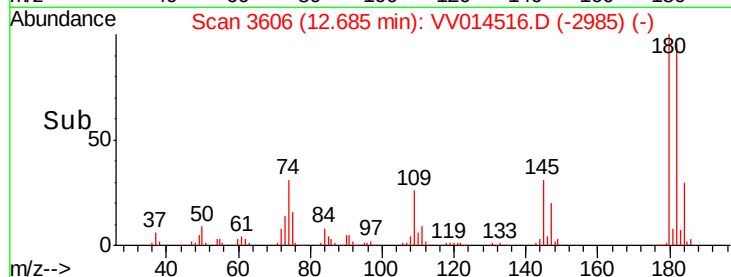
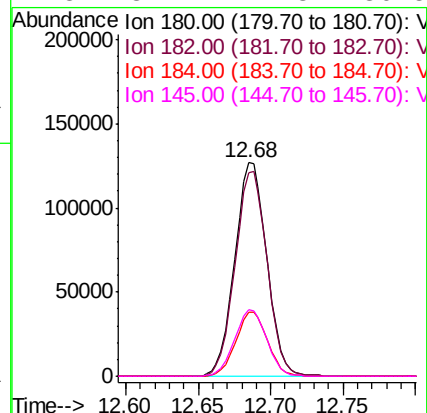
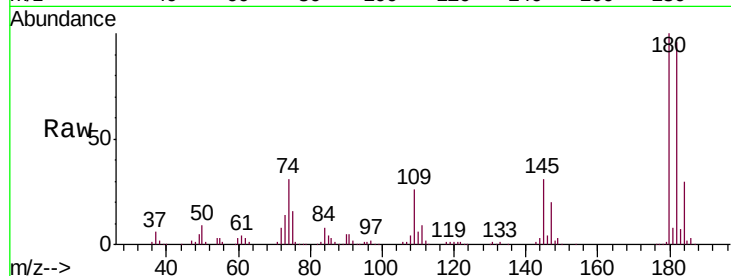




#69
 1,3,5-Trichlorobenzene
 Concen: 49.961 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

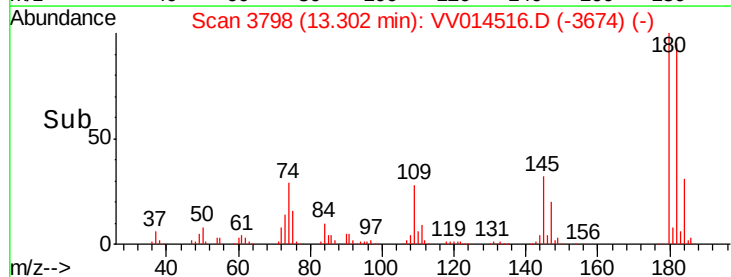
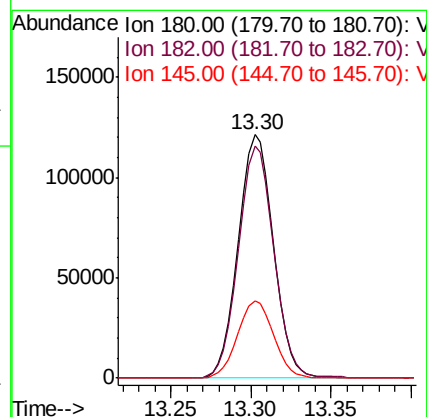
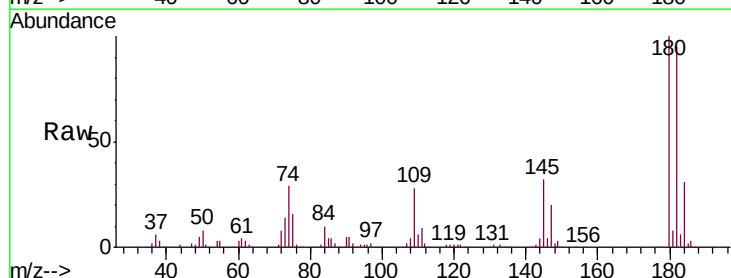
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV206

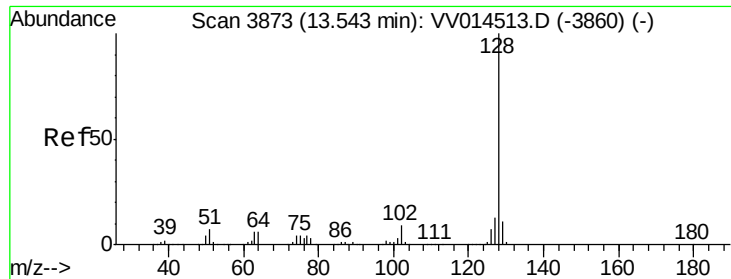
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.0	112.4
184	29.8	24.2	36.2
145	31.2	24.3	36.5



#70
 1,2,4-trichlorobenzene
 Concen: 50.907 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014516.D
 Acq: 06 Feb 2020 12:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	32.2	25.3	37.9

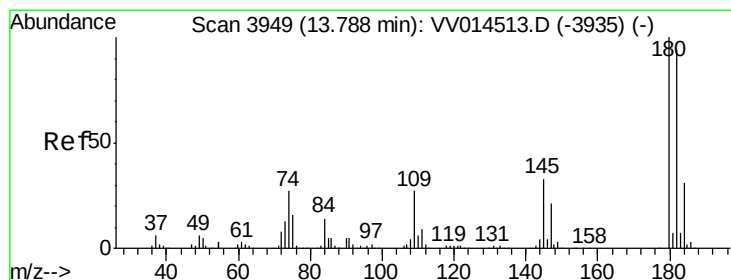
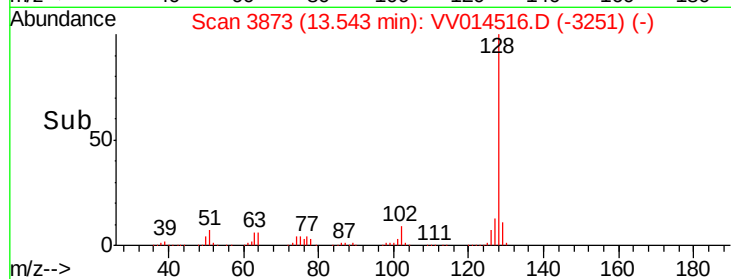
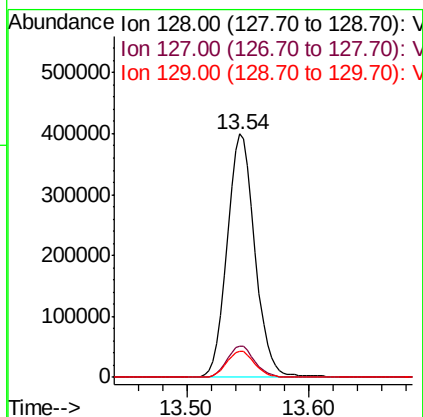
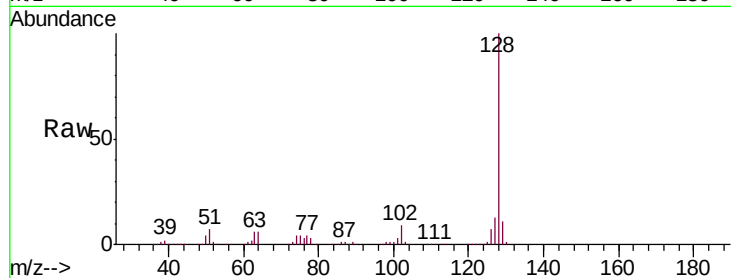




#71
Naphthalene
Concen: 54.432 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. 0.00 min
Lab File: VV014516.D
Acq: 06 Feb 2020 12:44

Instrument :
MSVOA_V
ClientSampled :
VICV206

Tgt Ion:128 Resp: 637615
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 51.836 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014516.D
Acq: 06 Feb 2020 12:44

Tgt Ion:180 Resp: 179601
Ion Ratio Lower Upper
180 100
182 94.9 75.2 112.8
145 33.9 27.1 40.7

