

Data File : VV013494.D
Acq On : 06 Nov 2019 11:52
Operator : SY/MD
Sample : VSTD10066
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

Quant Time: Nov 07 01:26:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 01:22:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	950145	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	899783	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	491761	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	551993	89.21	ug/L	0.00
7) Chloroethane-d5	1.58	69	447691	92.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	991844	106.00	ug/L	0.00
21) 2-Butanone-d5	3.92	46	908919	210.86	ug/L	0.00
24) Chloroform-d	4.40	84	1228391	91.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	791525	98.08	ug/L	0.00
32) Benzene-d6	5.10	84	2477680	91.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	788133	92.88	ug/L	0.00
41) Toluene-d8	7.36	98	2353782	96.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	390077	103.47	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	666693	246.55	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	1020755	91.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	958948	86.74	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	819214	99.747	ug/L	99
3) Chloromethane	1.25	50	801039	122.808	ug/L	100
5) Vinyl chloride	1.32	62	740009	112.676	ug/L	100
6) Bromomethane	1.53	94	380294	113.950	ug/L	97
8) Chloroethane	1.60	64	409559	110.624	ug/L	99
9) Trichlorofluoromethane	1.77	101	974471	107.177	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	549524	108.007	ug/L	98
12) 1,1-Dichloroethene	2.14	96	521103	106.304	ug/L	91
13) Acetone	2.18	43	798777	235.637	ug/L	97
14) Carbon disulfide	2.32	76	1812506	106.989	ug/L	100
15) Methyl Acetate	2.45	43	736843	108.734	ug/L	99
16) Methylene chloride	2.53	84	697899	97.294	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	651933	98.224	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	2052111	105.258	ug/L	100
19) 1,1-Dichloroethane	3.23	63	1262852	103.910	ug/L	99
22) 2-Butanone	4.00	43	1163846	243.482	ug/L	98
23) Bromochloromethane	4.29	128	381173	98.167	ug/L	99
25) Chloroform	4.42	83	1262207	101.634	ug/L	99
27) 1,2-Dichloroethane	5.18	62	995899	108.375	ug/L	100
29) Cyclohexane	4.72	56	1202757	114.587	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	1075739	103.240	ug/L	99
31) Carbon tetrachloride	4.87	117	968825	103.418	ug/L	100
33) Benzene	5.14	78	2774930	101.781	ug/L	100
34) Trichloroethene	5.95	95	717534	100.476	ug/L	99
35) Methylcyclohexane	6.18	83	1195013	110.314	ug/L	99
37) 1,2-Dichloropropane	6.22	63	729778	105.799	ug/L	99
38) Bromodichloromethane	6.55	83	950762	104.487	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	1175967	114.097	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	2011615	229.864	ug/L	100
42) Toluene	7.43	91	2947275	105.335	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.69	75	1030070	115.220	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	669152	99.150	ug/L	99
46) Tetrachloroethene	8.02	164	620147	98.165	ug/L	99
48) 2-Hexanone	8.18	43	1552733	221.884	ug/L	99
49) Dibromochloromethane	8.29	129	798066	104.146	ug/L	96
50) 1,2-Dibromoethane	8.39	107	718015	100.771	ug/L	99
51) Chlorobenzene	8.92	112	1899459	100.353	ug/L	99
52) Ethylbenzene	9.05	91	3284736	110.959	ug/L	98
53) m,p-Xylene	9.18	106	1259930	110.086	ug/L	98
54) o-xylene	9.58	106	1216782	108.818	ug/L	98
55) Styrene	9.60	104	2121565	111.979	ug/L	99
56) Isopropylbenzene	9.97	105	3211729	112.164	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	1048351	100.924	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	848921	98.997	ug/L	100
61) Bromoform	9.77	173	612933	96.135	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1567056	99.198	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1592903	97.110	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	1567114	96.539	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	219101	96.503	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	1249836	104.292	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1109327	110.156	ug/L	100
69) Naphthalene	13.55	128	3094561	115.123	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	1142155	106.646	ug/L	99

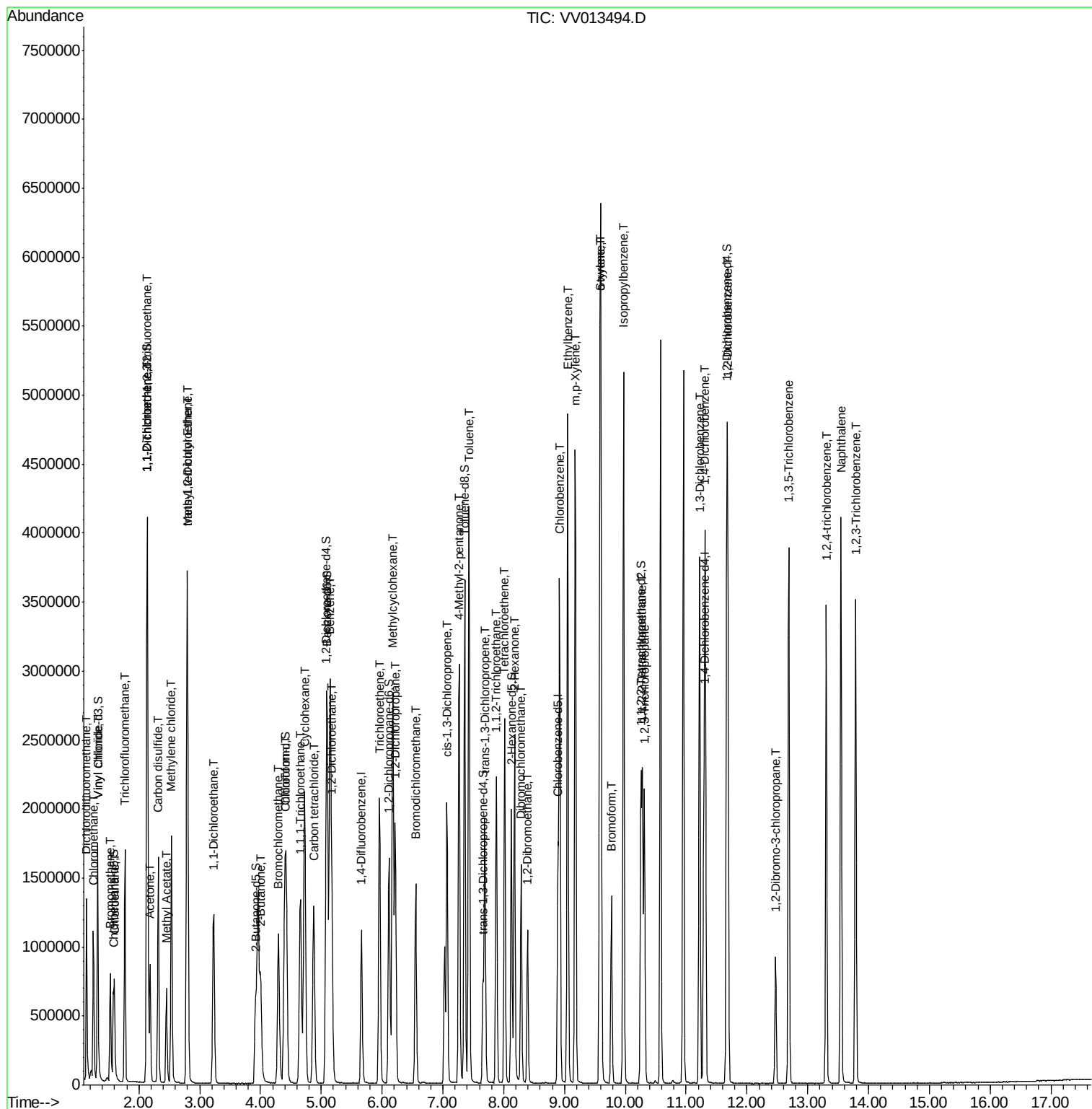
(#) = qualifier out of range (m) = manual integration (+) = signals summed

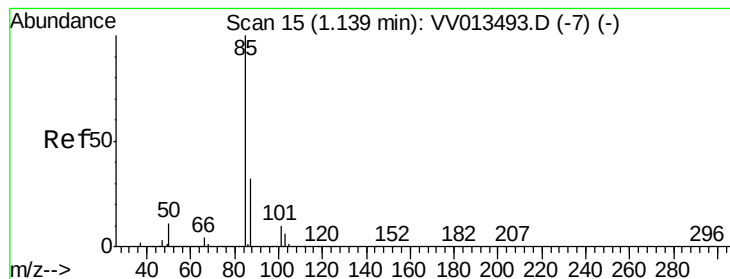
Data File : VV013494.D

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#2

Dichlorodifluoromethane

Concen: 99.747 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

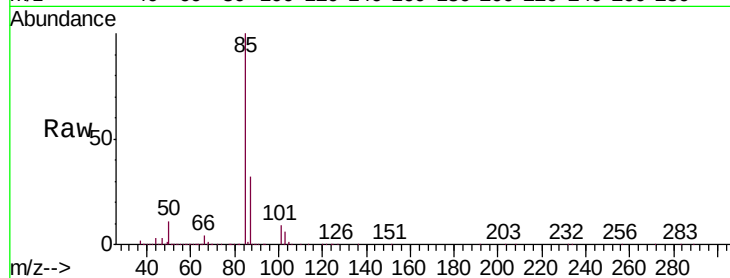
VSTD10066

Tgt Ion: 85 Resp: 819214

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV013494.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013494.D (-7) (-)

1.14

800000

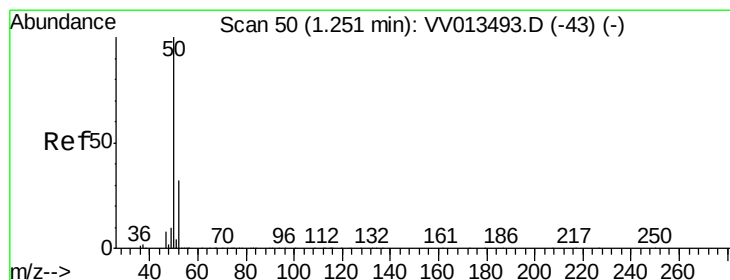
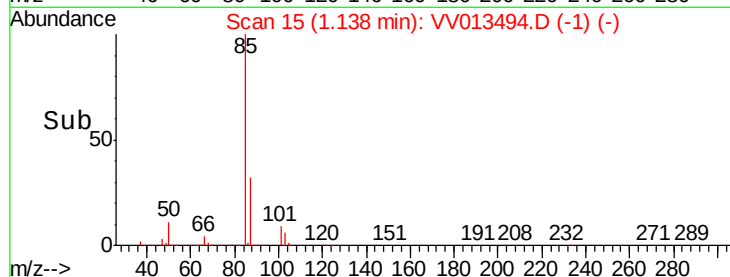
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 122.808 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013494.D

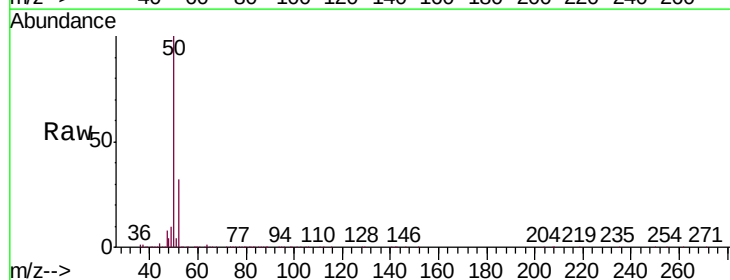
Acq: 06 Nov 2019 11:52

Tgt Ion: 50 Resp: 801039

Ion Ratio Lower Upper

50 100

52 32.3 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV013494.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV013494.D (-43) (-)

1.25

800000

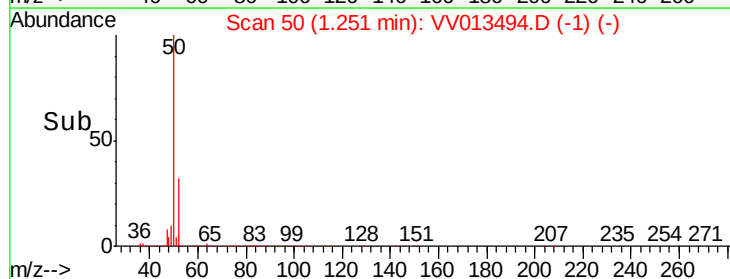
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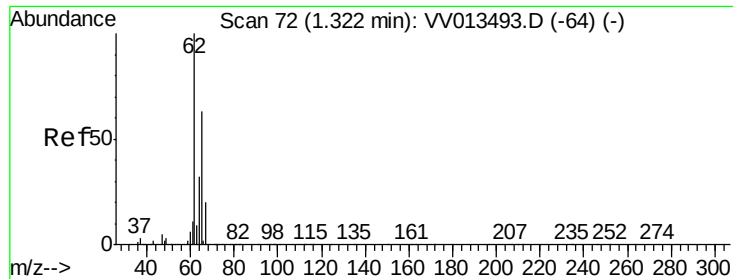
400000

200000

0

Time-->





#5

Vinyl chloride

Concen: 112.676 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

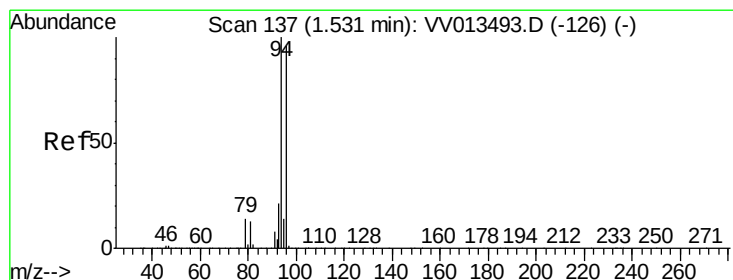
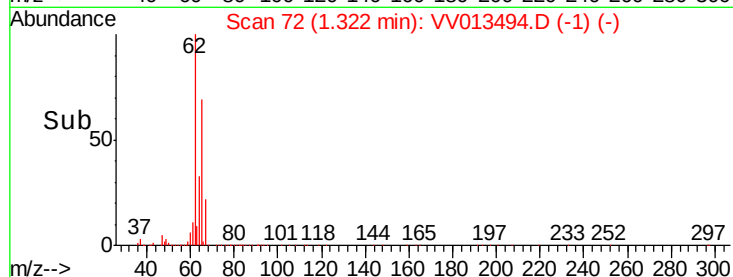
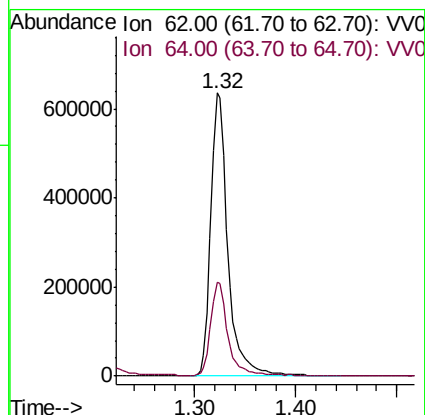
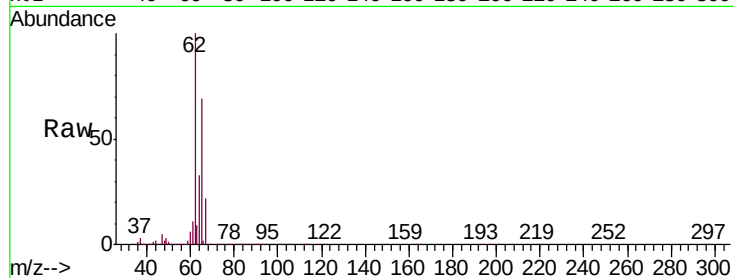
VSTD10066

Tgt Ion: 62 Resp: 740009

Ion Ratio Lower Upper

62 100

64 33.1 23.1 42.9



#6

Bromomethane

Concen: 113.950 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV013494.D

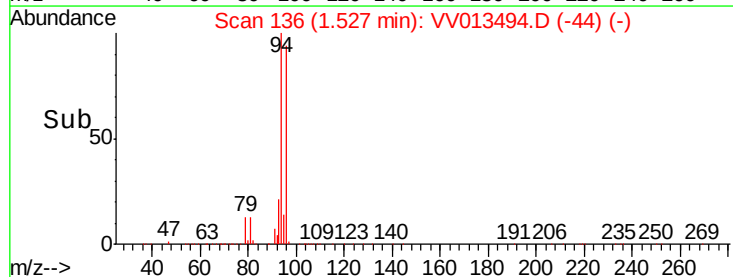
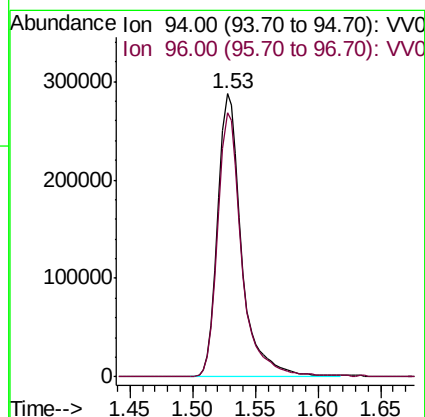
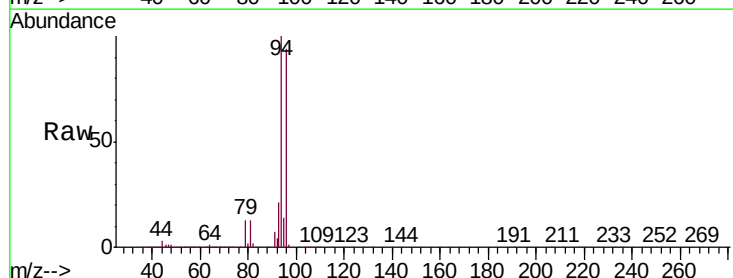
Acq: 06 Nov 2019 11:52

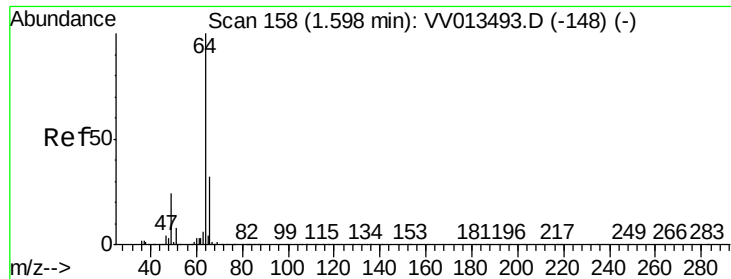
Tgt Ion: 94 Resp: 380294

Ion Ratio Lower Upper

94 100

96 93.5 67.4 125.2





#8

Chloroethane

Concen: 110.624 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

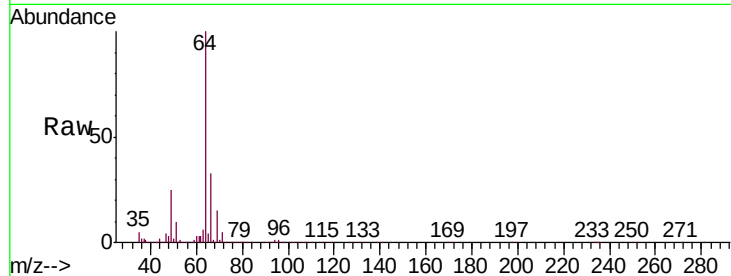
VSTD10066

Tgt Ion: 64 Resp: 409559

Ion Ratio Lower Upper

64 100

66 32.5 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV013493.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV013493.D (-148) (-)

1.60

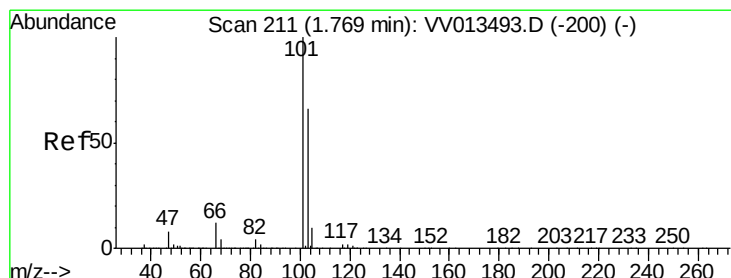
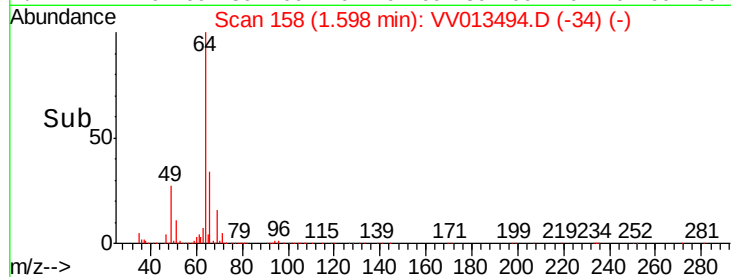
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 107.177 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013494.D

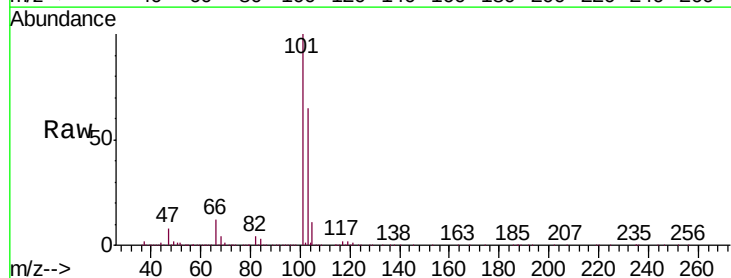
Acq: 06 Nov 2019 11:52

Tgt Ion: 101 Resp: 974471

Ion Ratio Lower Upper

101 100

103 65.6 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV013493.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV013493.D (-200) (-)

1.77

800000

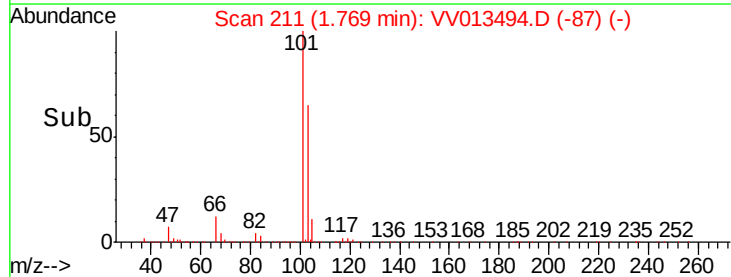
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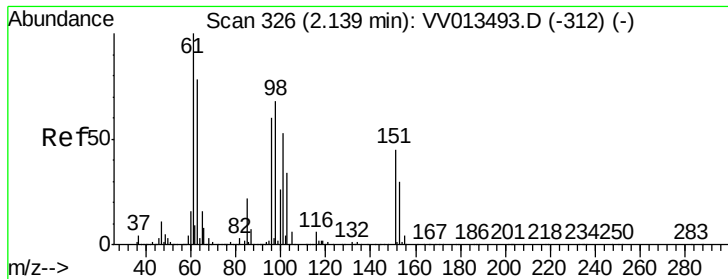
400000

200000

0

Time-->





#10

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

Concen: 108.007 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

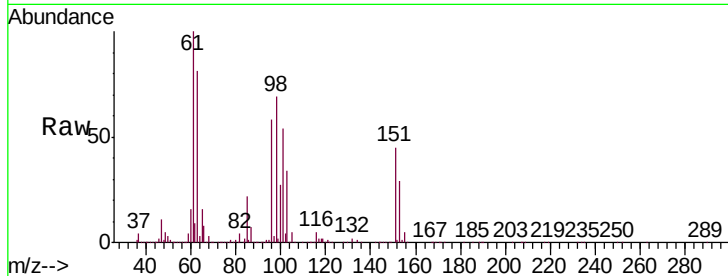
Tgt Ion: 101 Resp: 549524

Ion Ratio Lower Upper

101 100

85 40.7 33.3 49.9

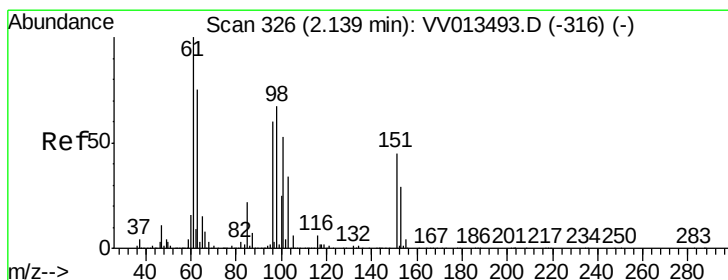
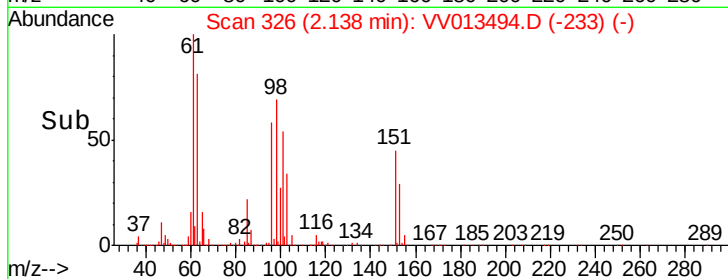
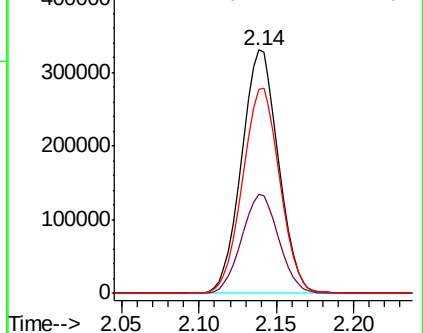
151 85.3 69.5 104.3



Abundance Ion 101.00 (100.70 to 101.70): VV013493.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV013493.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV013493.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 106.304 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

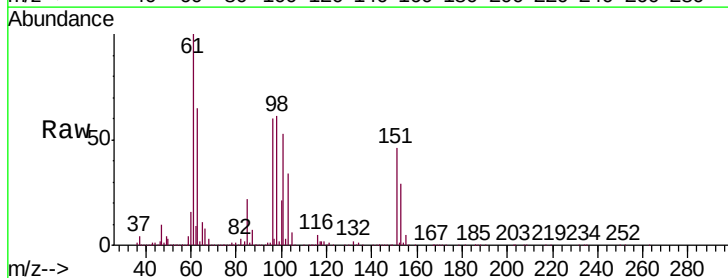
Tgt Ion: 96 Resp: 521103

Ion Ratio Lower Upper

96 100

61 165.9 116.9 217.1

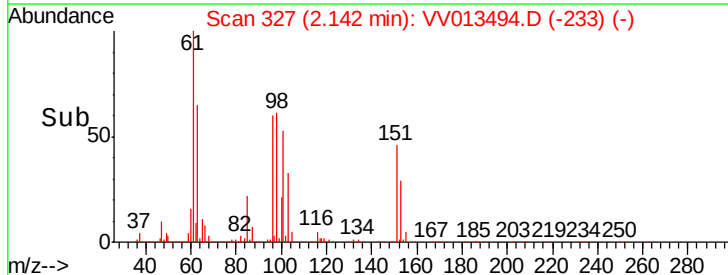
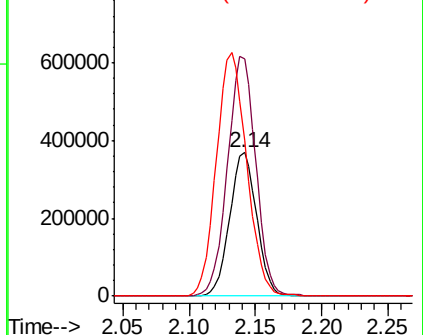
63 108.0 91.5 169.9

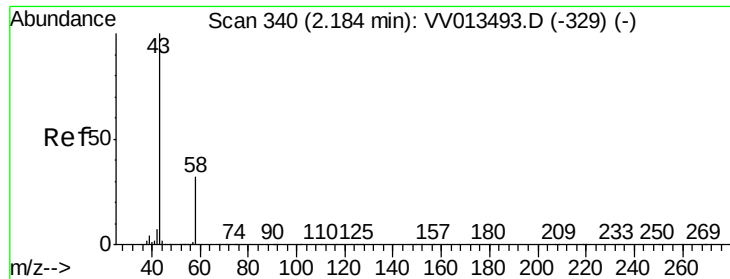


Abundance Ion 96.00 (95.70 to 96.70): VV013493.D (-316) (-)

Ion 61.00 (60.70 to 61.70): VV013493.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV013493.D (-316) (-)





#13

Acetone

Concen: 235.637 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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ClientSampleId :

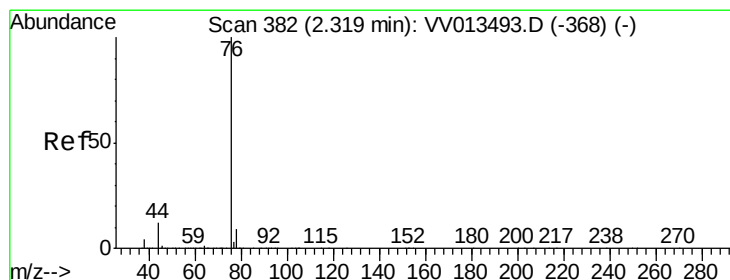
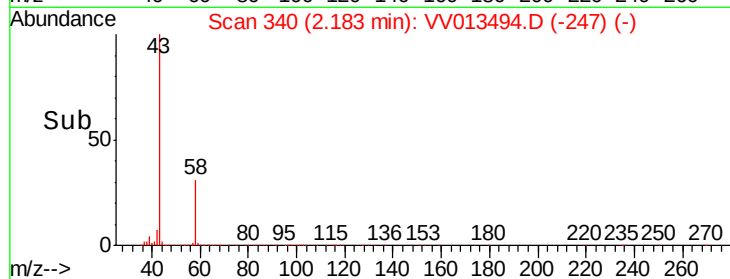
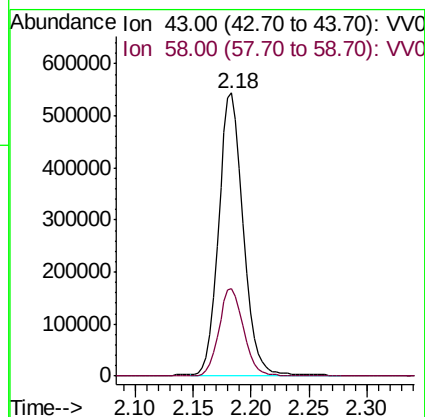
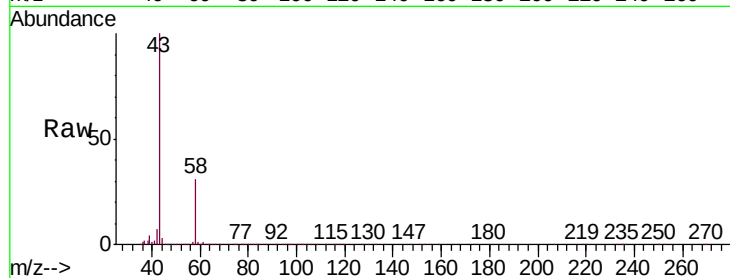
VSTD10066

Tgt Ion: 43 Resp: 798777

Ion Ratio Lower Upper

43 100

58 30.9 0.0 65.2



#14

Carbon disulfide

Concen: 106.989 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013494.D

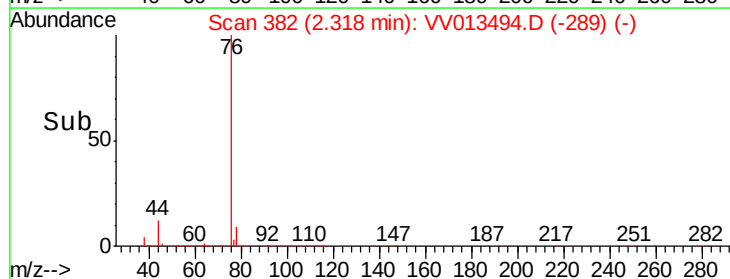
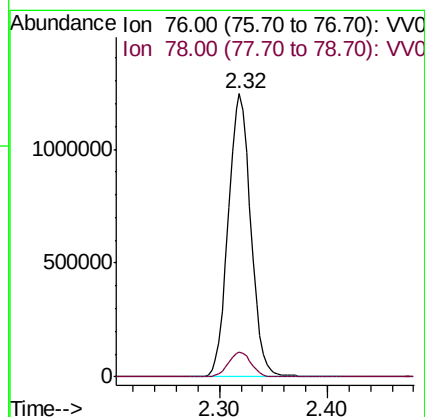
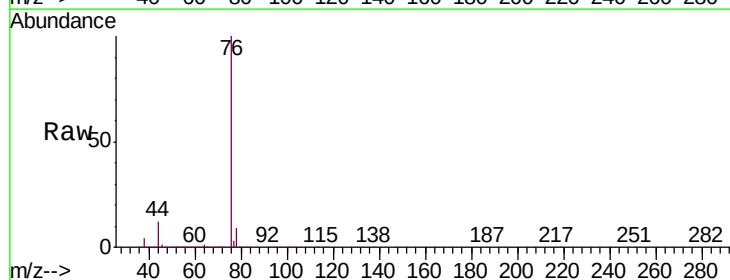
Acq: 06 Nov 2019 11:52

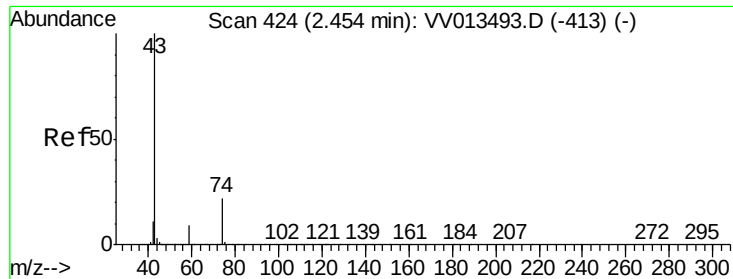
Tgt Ion: 76 Resp: 1812506

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 108.734 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

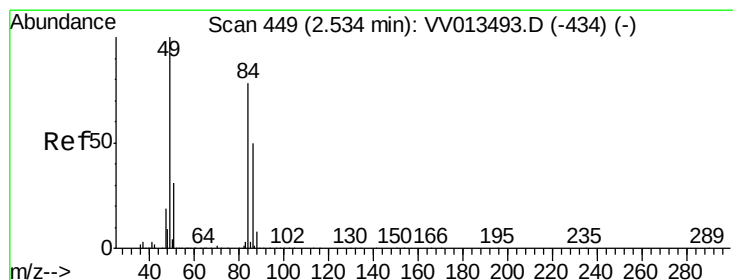
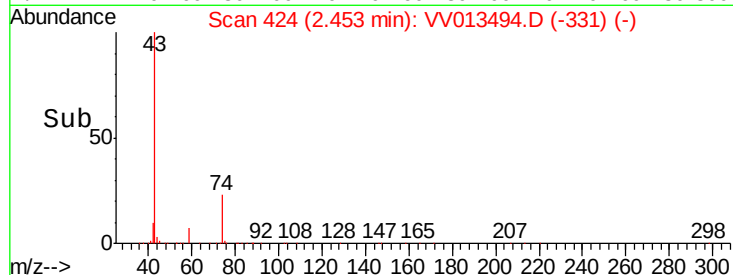
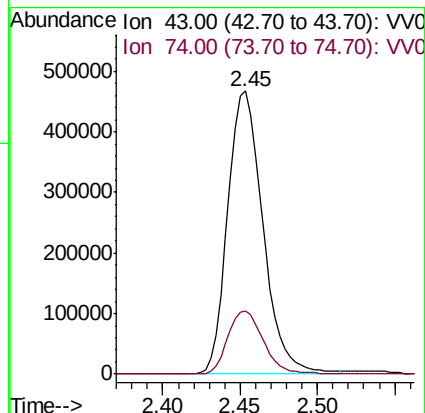
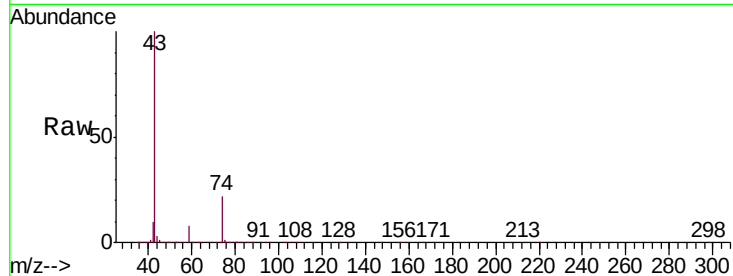
VSTD10066

Tgt Ion: 43 Resp: 736843

Ion Ratio Lower Upper

43 100

74 22.7 17.7 26.5



#16

Methylene chloride

Concen: 97.294 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

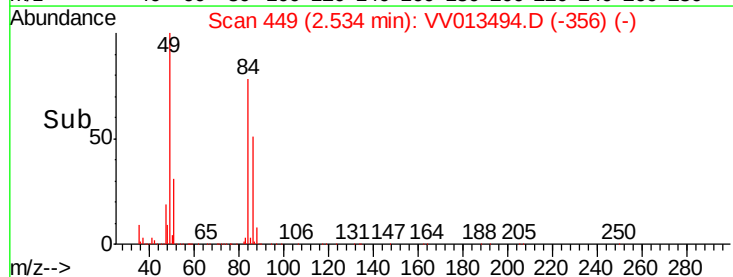
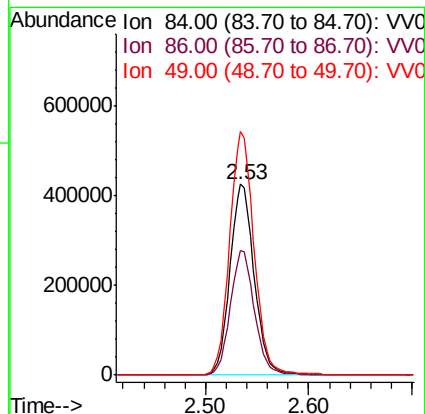
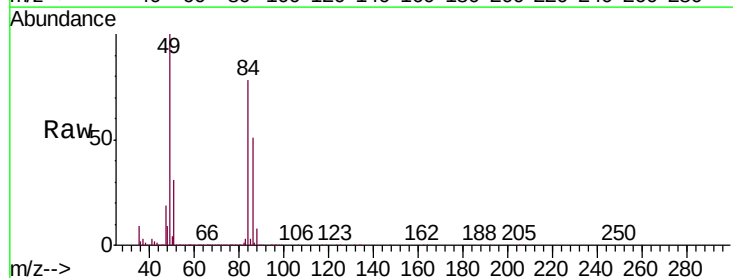
Tgt Ion: 84 Resp: 697899

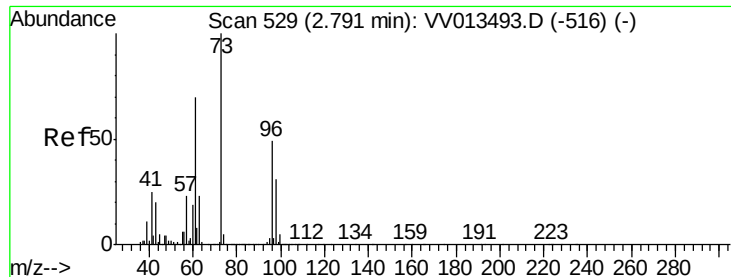
Ion Ratio Lower Upper

84 100

86 65.0 44.7 83.1

49 127.5 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 98.224 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

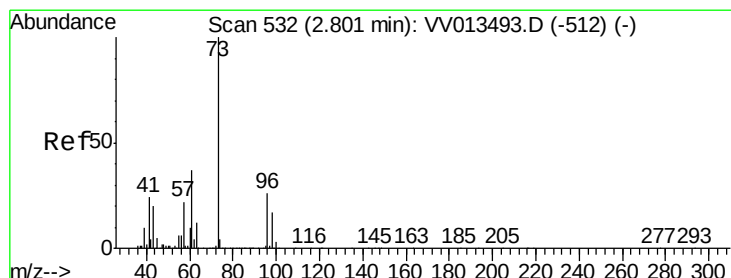
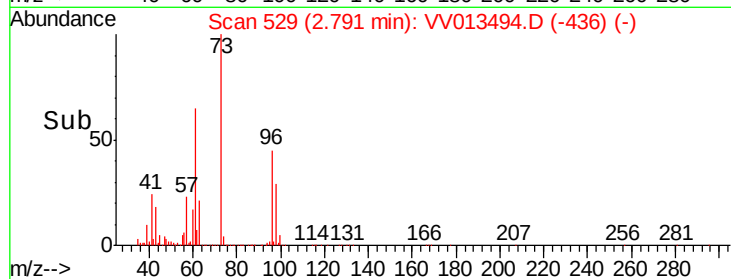
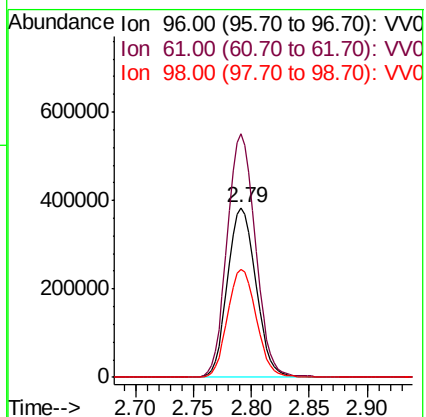
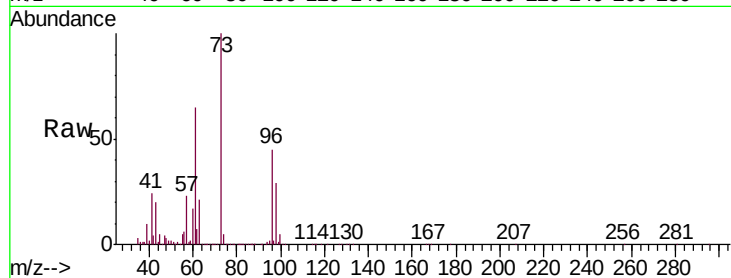
Tgt Ion: 96 Resp: 651933

Ion Ratio Lower Upper

96 100

61 143.6 100.4 186.6

98 64.1 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 105.258 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

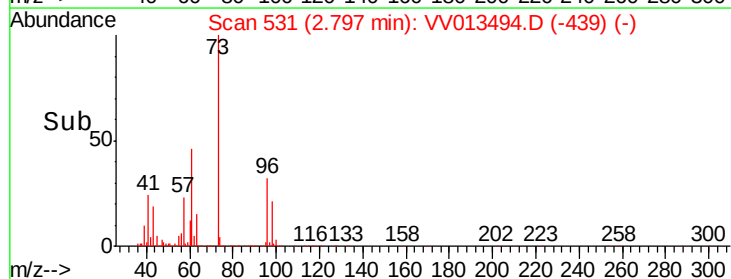
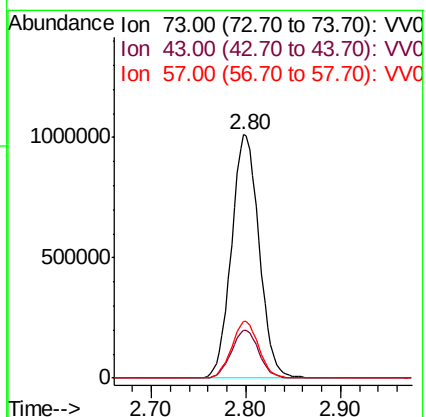
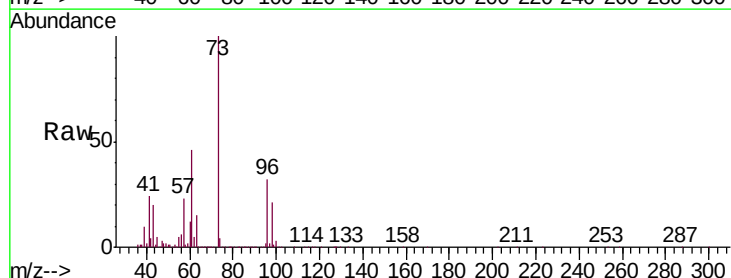
Tgt Ion: 73 Resp: 2052111

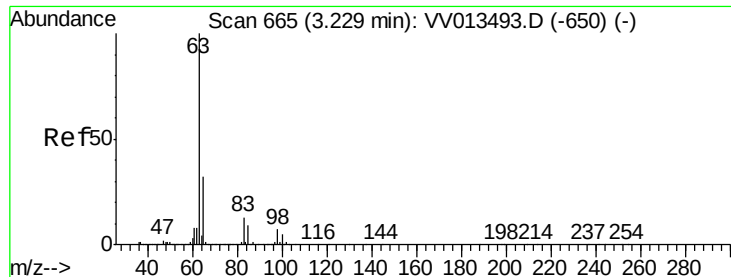
Ion Ratio Lower Upper

73 100

43 19.5 15.7 23.5

57 22.8 18.1 27.1



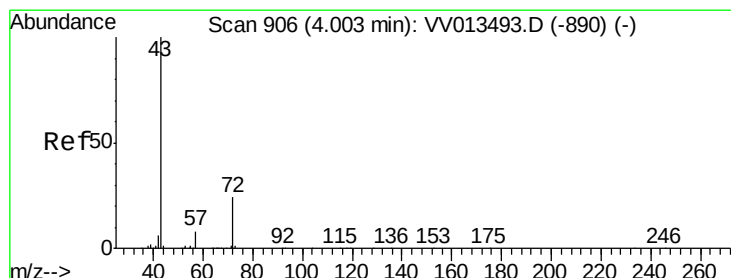
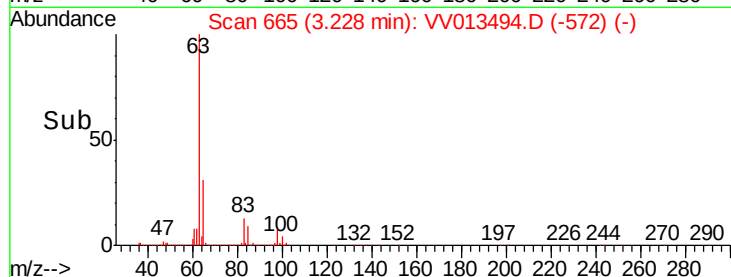
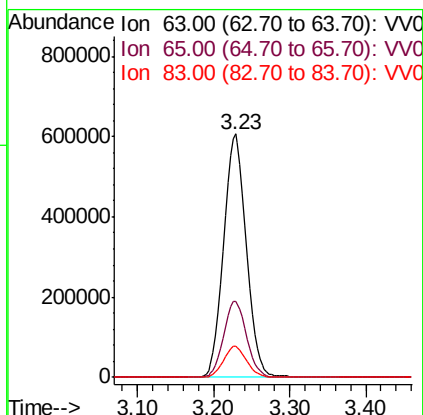
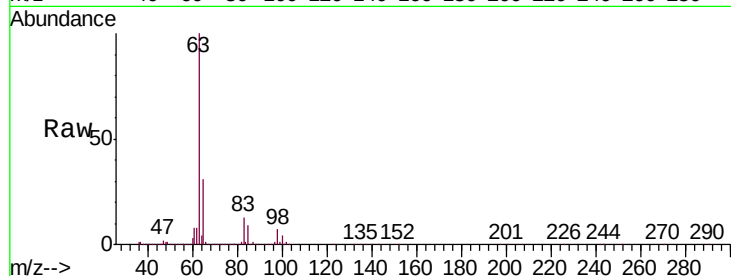


#19
 1,1-Dichloroethane
 Concen: 103.910 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Tgt Ion: 63 Resp: 1262852

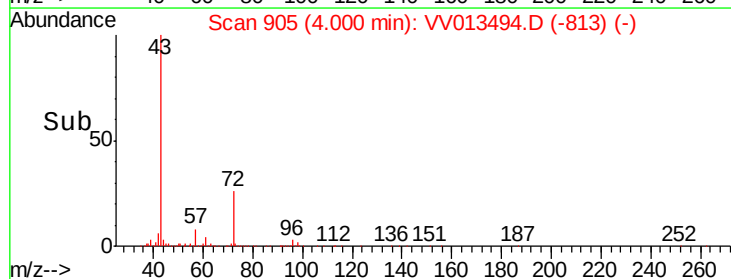
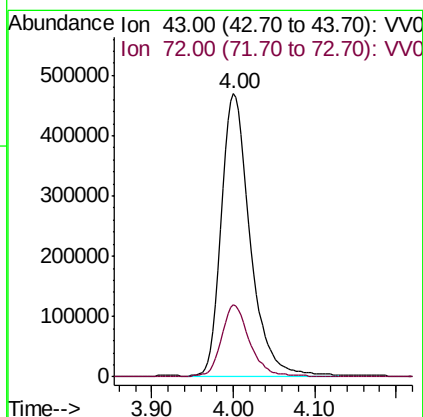
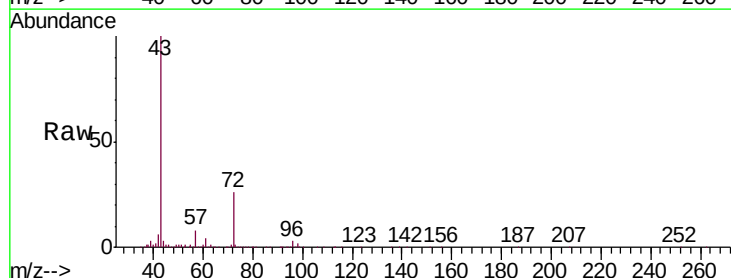
Ion	Ratio	Lower	Upper
63	100		
65	31.2	22.2	41.2
83	12.7	8.9	16.5

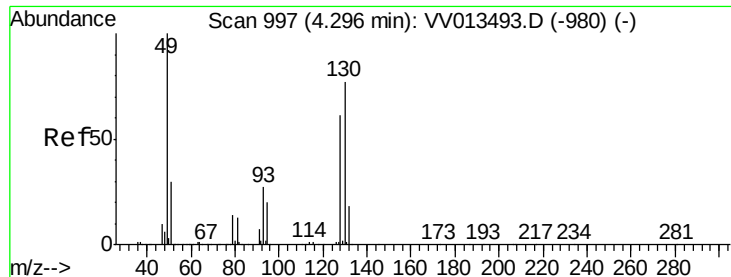


#22
 2-Butanone
 Concen: 243.482 ug/L
 RT: 4.00 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

Tgt Ion: 43 Resp: 1163846

Ion	Ratio	Lower	Upper
43	100		
72	25.5	12.3	36.9





#23

Bromochloromethane

Concen: 98.167 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

Tgt Ion:128 Resp: 381173

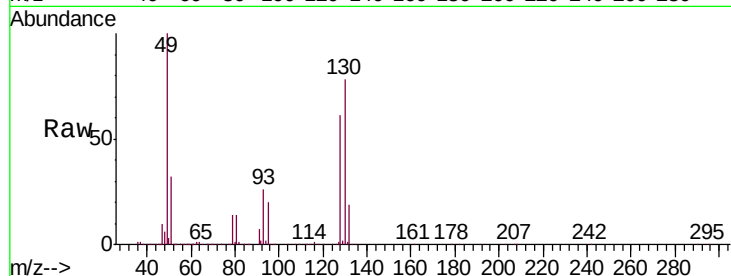
Ion Ratio Lower Upper

128 100

49 163.1 115.8 215.2

130 127.0 89.1 165.5

51 51.4 40.0 60.0

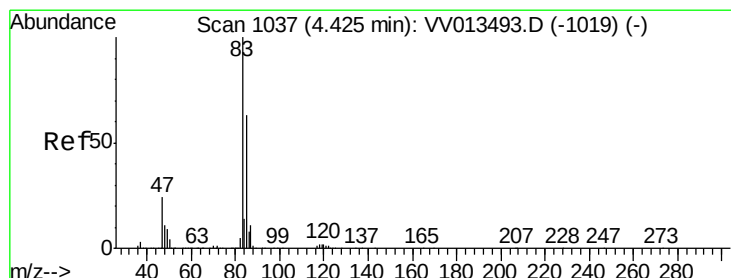
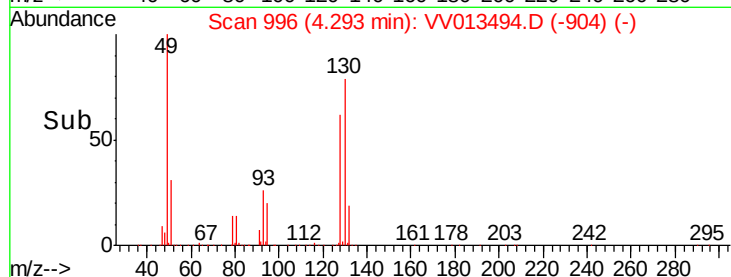
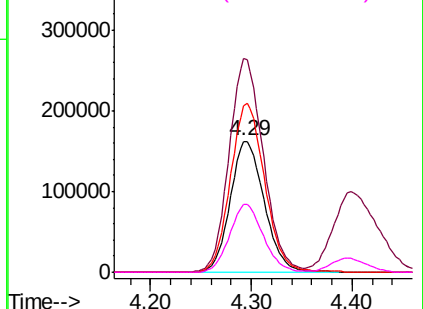


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 101.634 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV013494.D

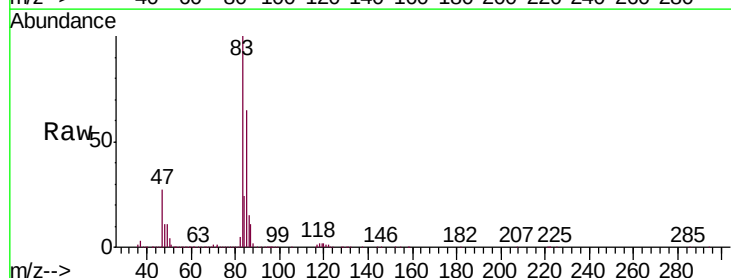
Acq: 06 Nov 2019 11:52

Tgt Ion: 83 Resp: 1262207

Ion Ratio Lower Upper

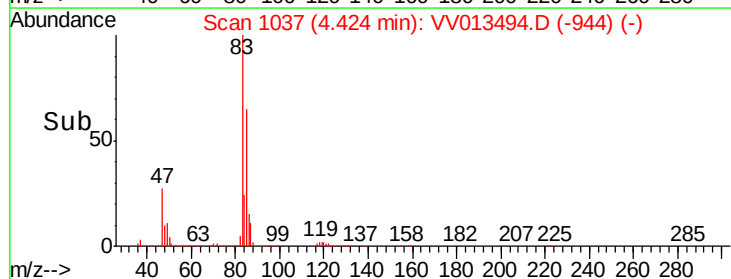
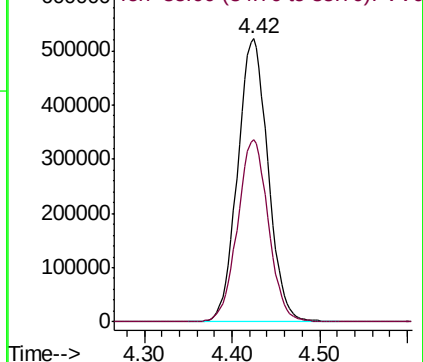
83 100

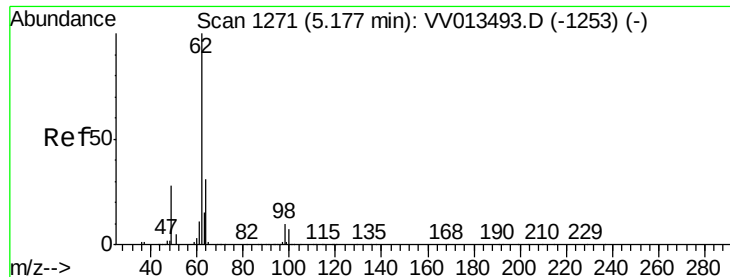
85 64.6 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 108.375 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

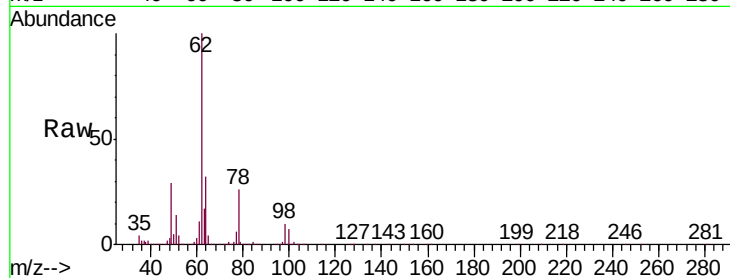
VSTD10066

Tgt Ion: 62 Resp: 995899

Ion Ratio Lower Upper

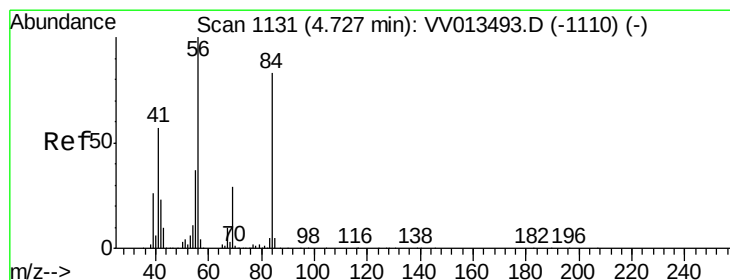
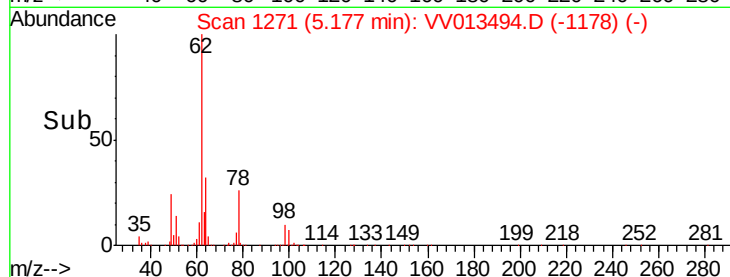
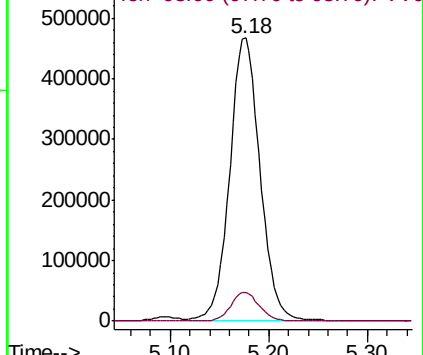
62 100

98 10.2 8.2 12.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 114.587 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

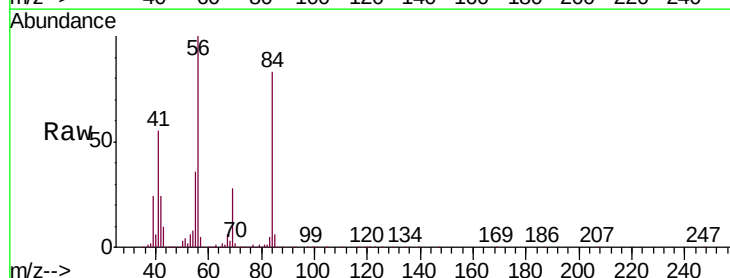
Tgt Ion: 56 Resp: 1202757

Ion Ratio Lower Upper

56 100

69 29.4 23.7 35.5

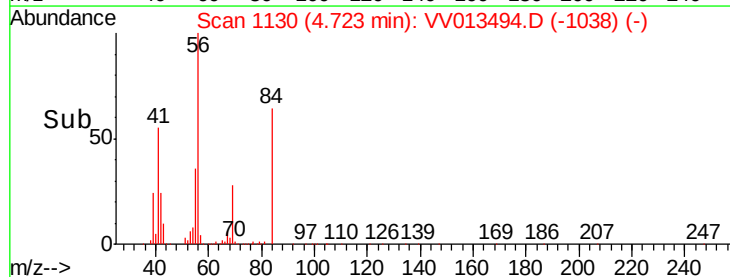
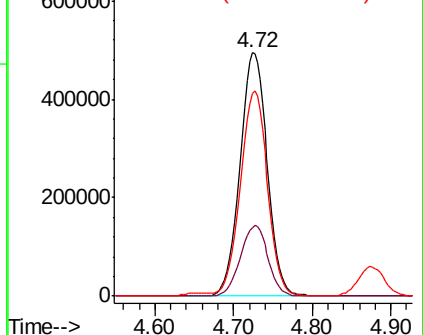
84 83.7 66.3 99.5

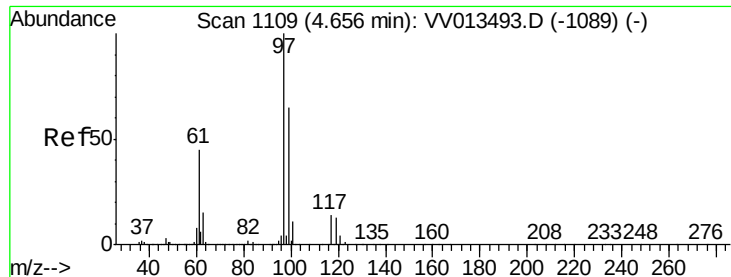


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

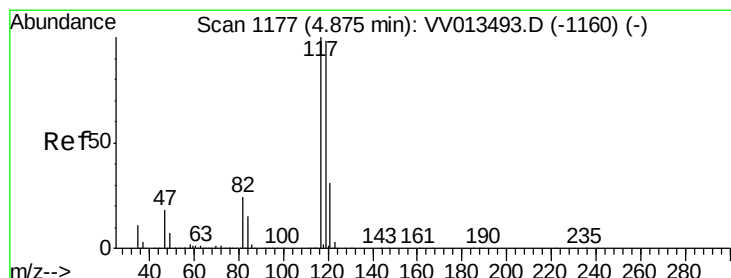
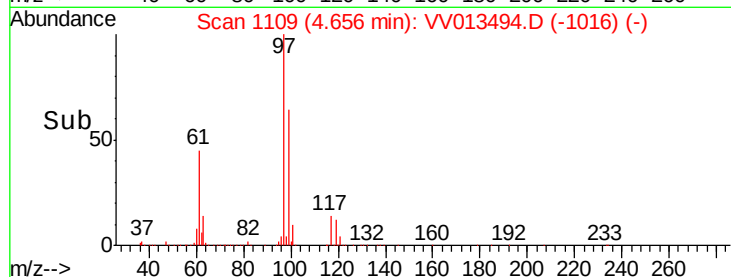
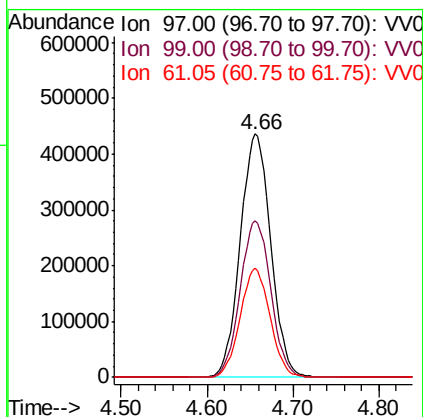
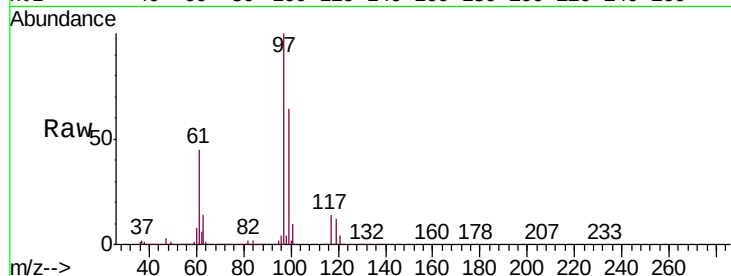




#30
 1,1,1-Trichloroethane
 Concen: 103.240 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

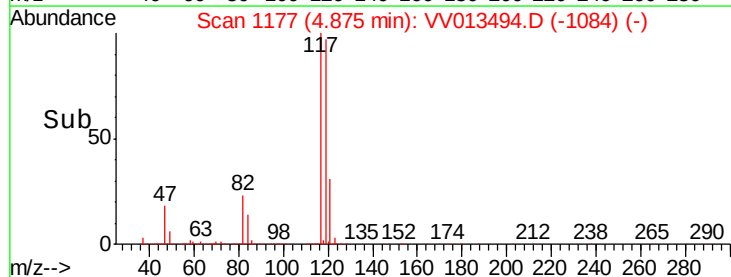
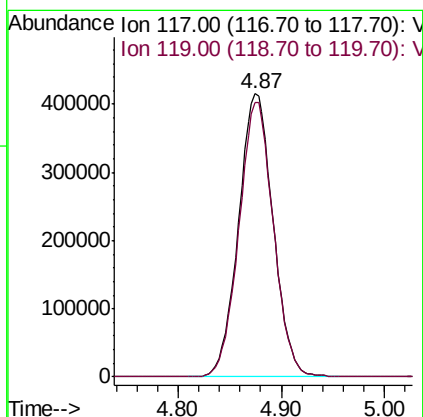
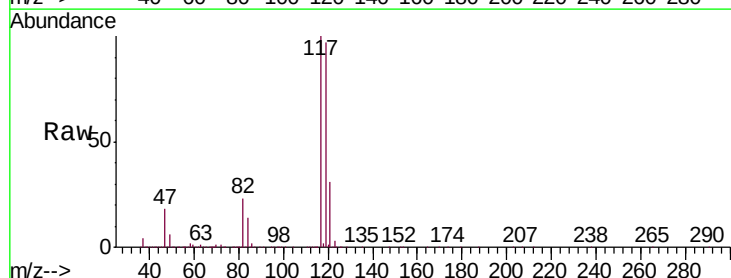
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

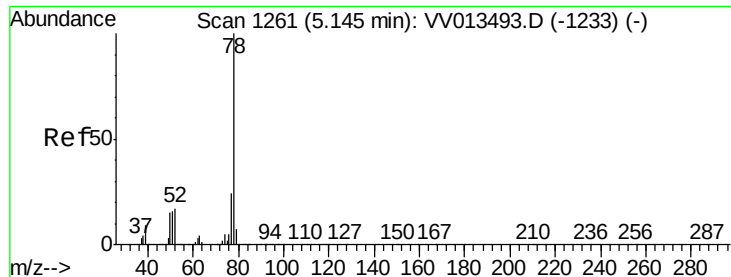
Tgt Ion: 97 Resp: 1075739
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.0 78.0
 61 43.8 35.8 53.8



#31
 Carbon tetrachloride
 Concen: 103.418 ug/L
 RT: 4.87 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

Tgt Ion: 117 Resp: 968825
 Ion Ratio Lower Upper
 117 100
 119 96.6 77.6 116.4





#33

Benzene

Concen: 101.781 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

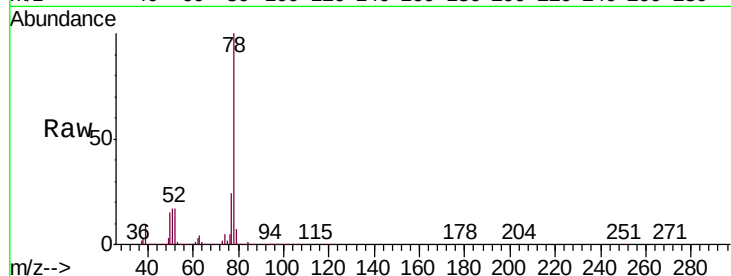
Instrument :

MSVOA_V

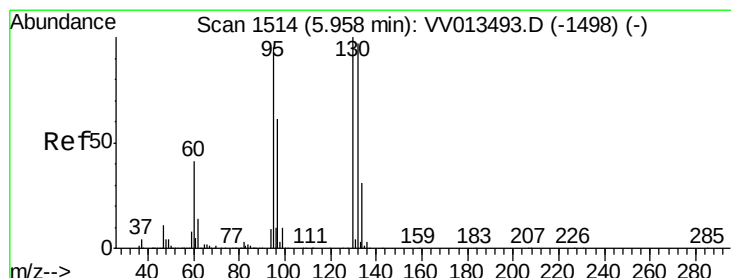
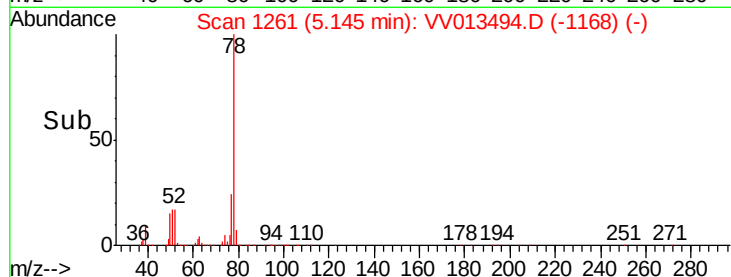
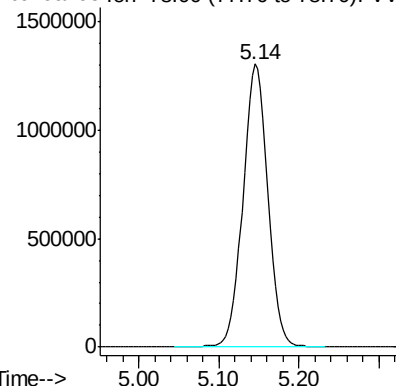
ClientSampleId :

VSTD10066

Tgt Ion: 78 Resp: 2774930



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 100.476 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Tgt Ion: 95 Resp: 717534

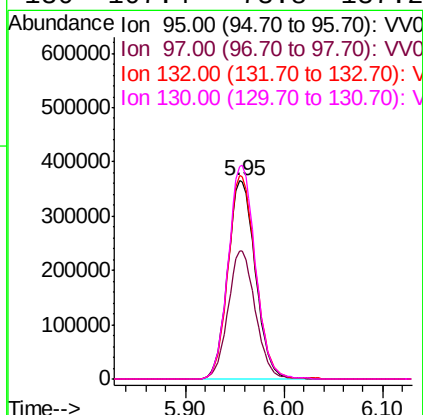
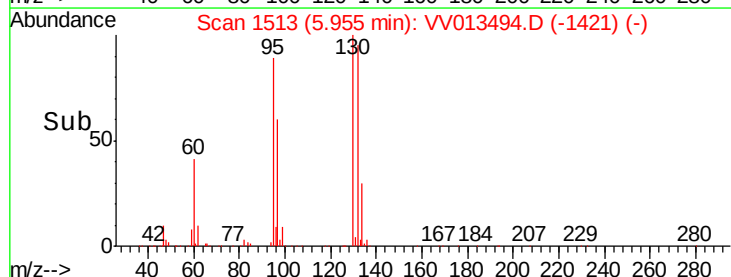
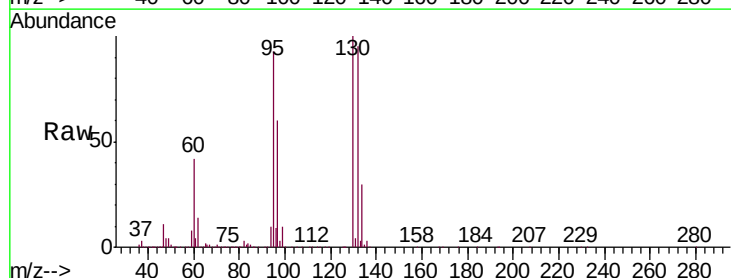
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.1	83.7
132	102.5	71.7	133.1
130	107.4	73.8	137.2

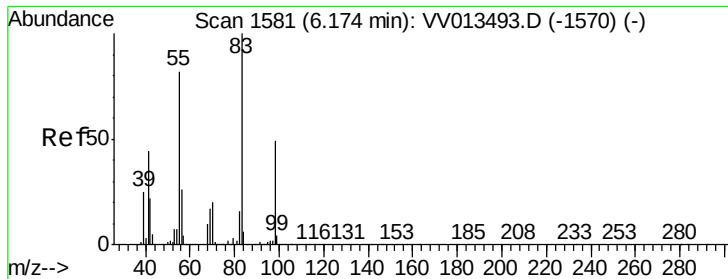
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

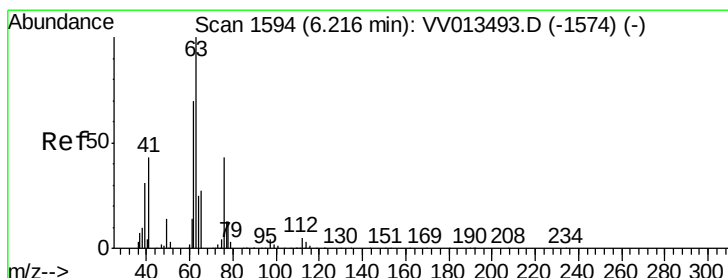
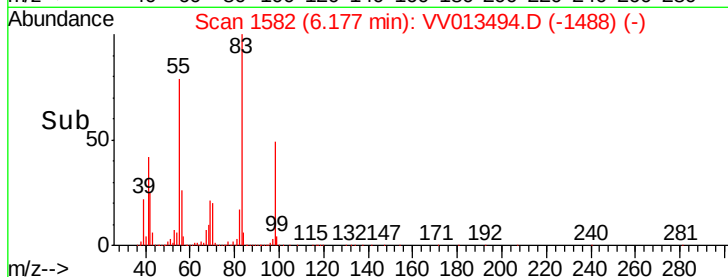
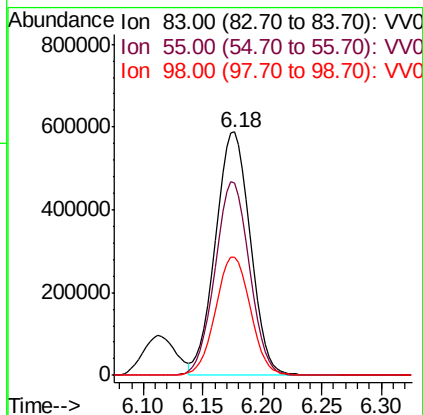
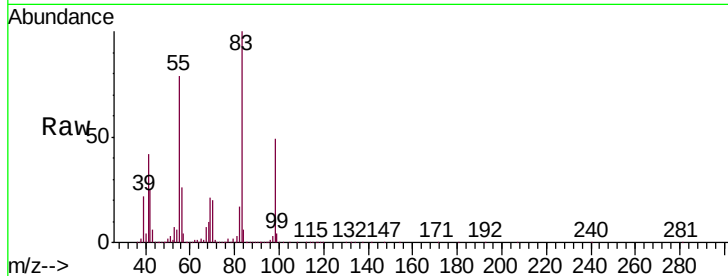




#35
Methylcyclohexane
Concen: 110.314 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV013494.D
Acq: 06 Nov 2019 11:52

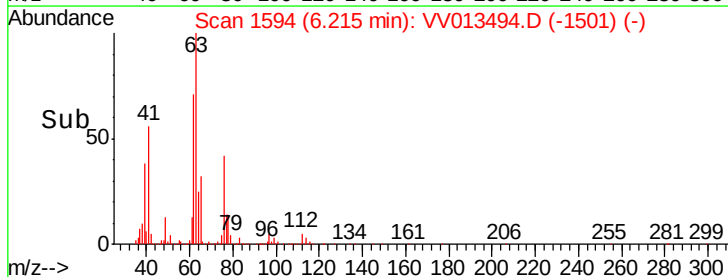
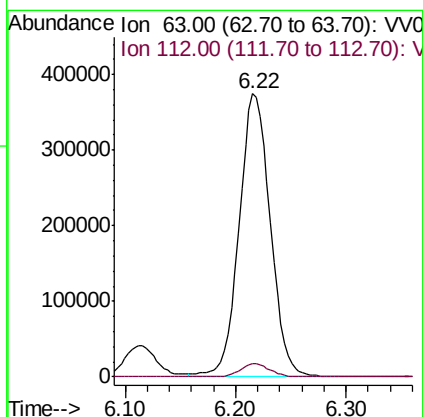
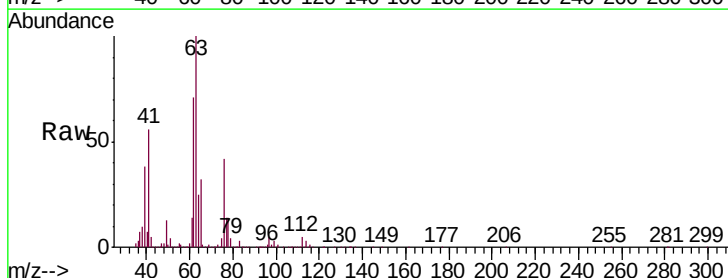
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

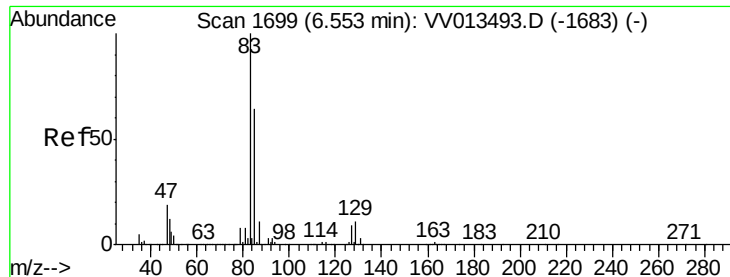
Tgt Ion: 83 Resp: 1195013
Ion Ratio Lower Upper
83 100
55 78.8 63.4 95.0
98 48.8 38.6 58.0



#37
1,2-Dichloropropane
Concen: 105.799 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VV013494.D
Acq: 06 Nov 2019 11:52

Tgt Ion: 63 Resp: 729778
Ion Ratio Lower Upper
63 100
112 4.6 3.9 5.9

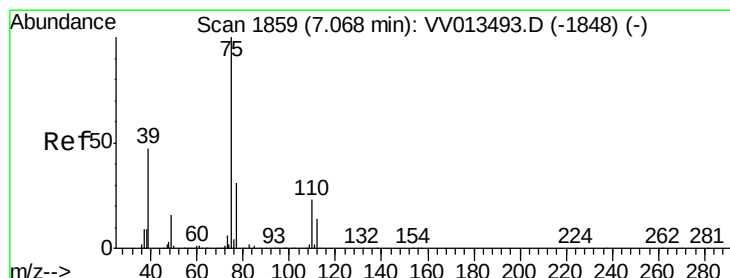
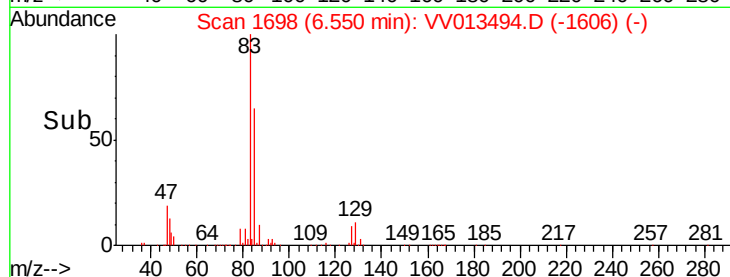
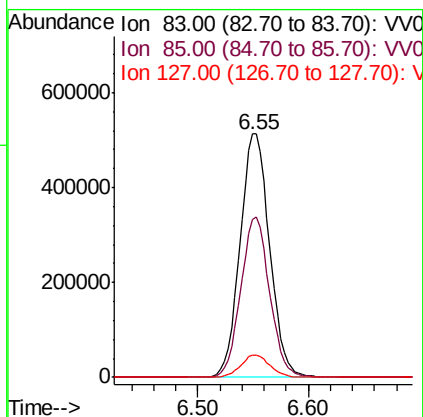
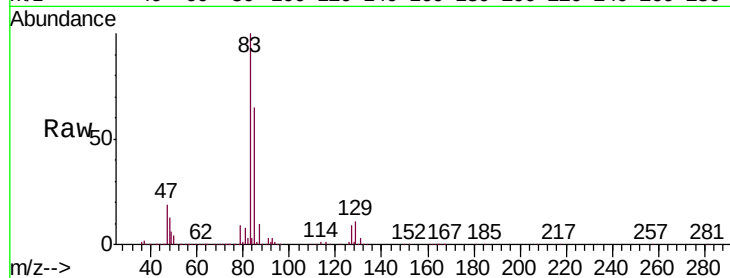




#38
 Bromodichloromethane
 Concen: 104.487 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

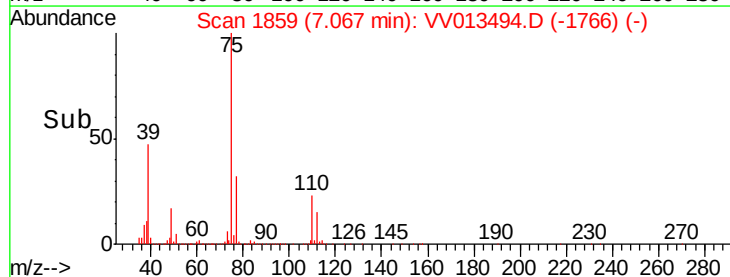
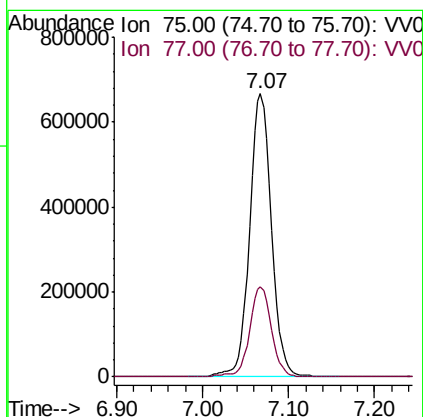
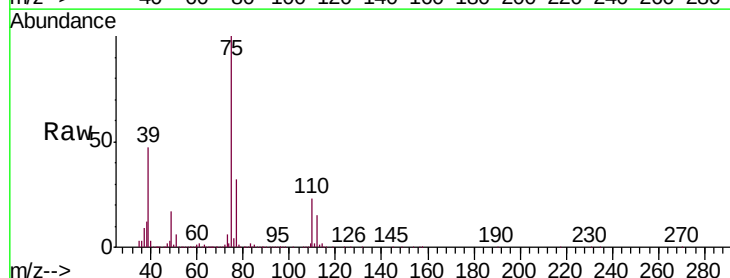
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

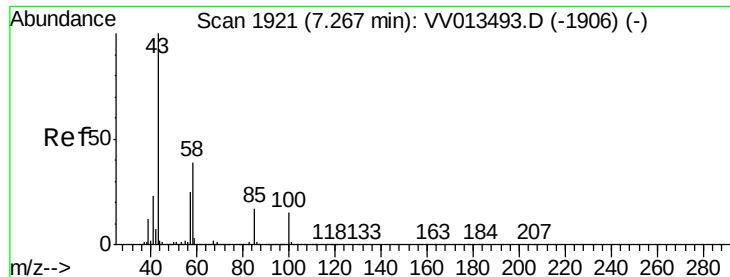
Tgt Ion: 83 Resp: 950762
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.8 83.2
 127 9.2 7.1 10.7



#39
 cis-1,3-Dichloropropene
 Concen: 114.097 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

Tgt Ion: 75 Resp: 1175967
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 40.8

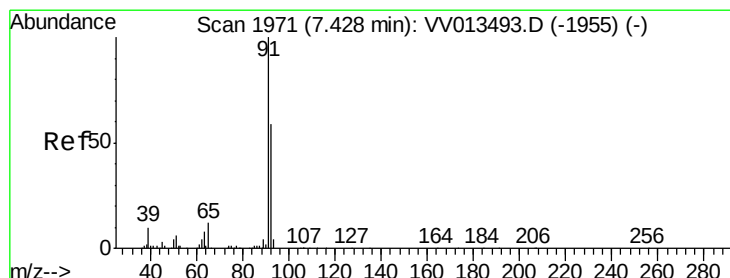
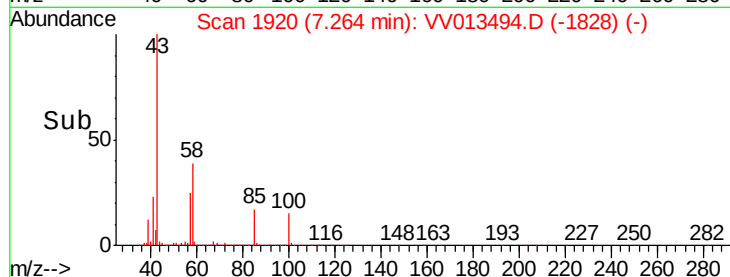
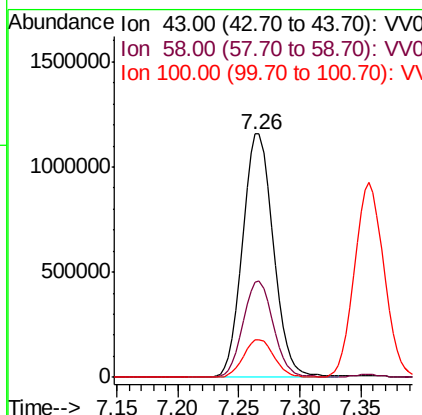
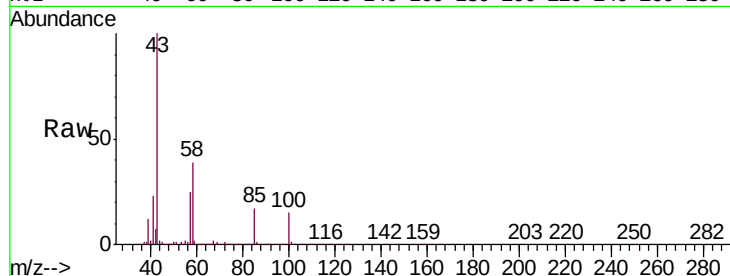




#40
 4-Methyl-2-pentanone
 Concen: 229.864 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

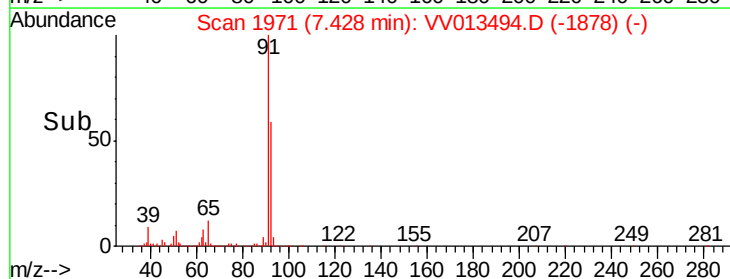
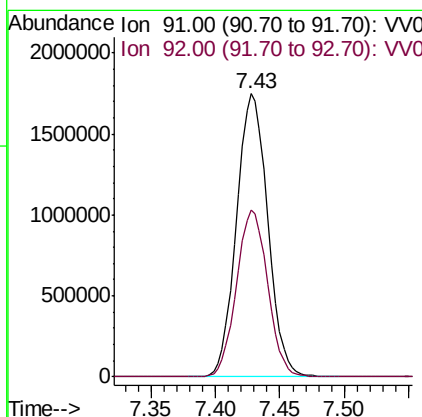
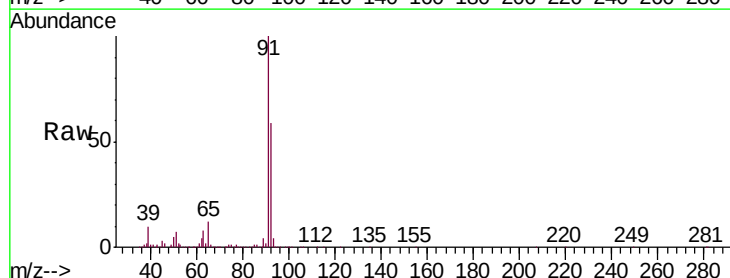
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

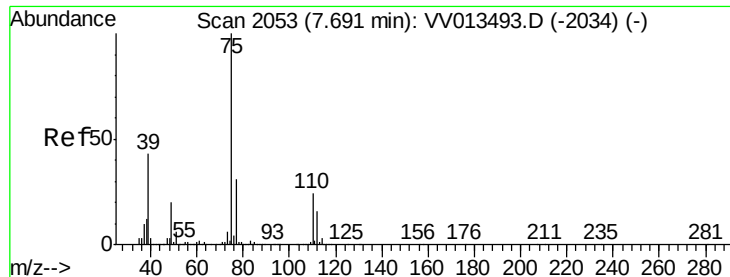
Tgt Ion: 43 Resp: 2011615
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.0 46.4
 100 15.4 12.2 18.2



#42
 Toluene
 Concen: 105.335 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

Tgt Ion: 91 Resp: 2947275
 Ion Ratio Lower Upper
 91 100
 92 58.8 41.3 76.7





#44

trans-1,3-Dichloropropene

Concen: 115.220 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

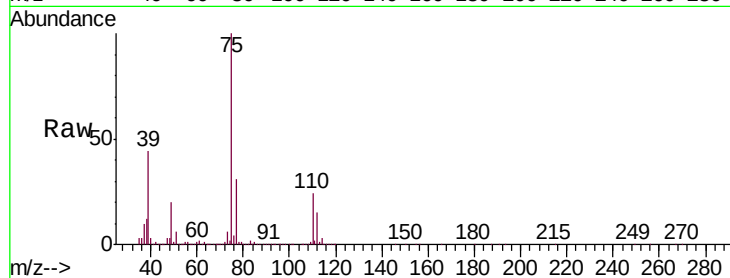
VSTD10066

Tgt Ion: 75 Resp: 1030070

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

600000

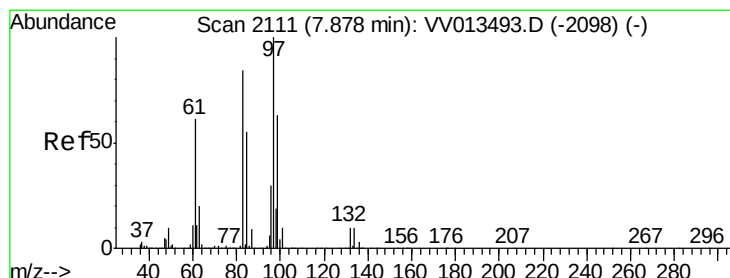
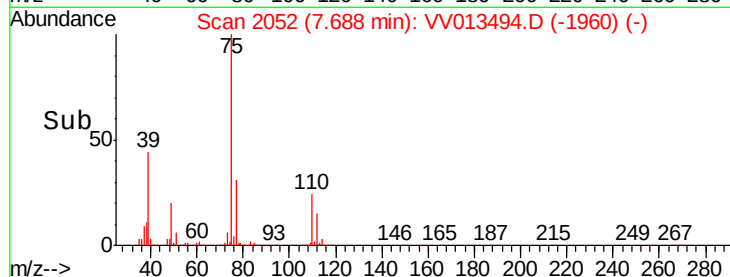
400000

200000

0

Time-->

7.60 7.70 7.80



#45

1,1,2-Trichloroethane

Concen: 99.150 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Tgt Ion: 97 Resp: 669152

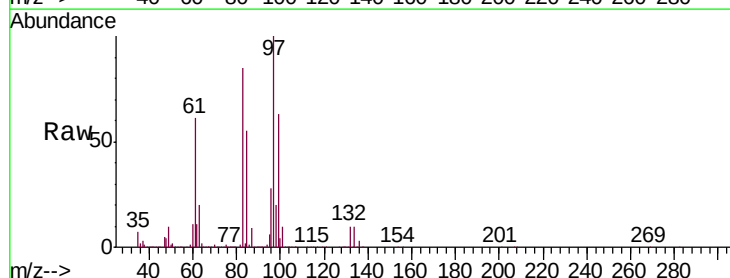
Ion Ratio Lower Upper

97 100

99 63.2 43.8 81.4

83 85.0 59.1 109.9

85 54.8 38.8 72.0



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

7.88

600000

500000

400000

300000

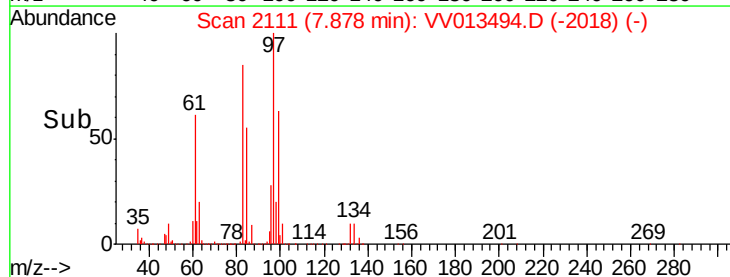
200000

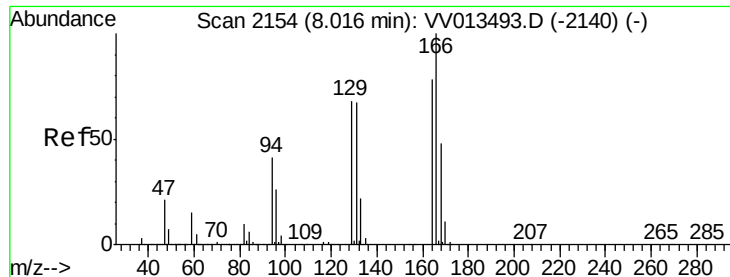
100000

0

Time-->

7.80 7.90 8.00





#46

Tetrachloroethene

Concen: 98.165 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

Tgt Ion:164 Resp: 620147

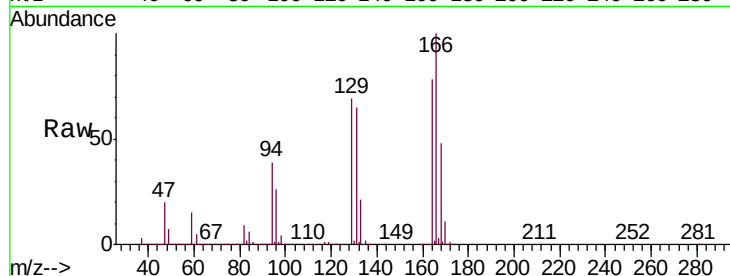
Ion Ratio Lower Upper

164 100

129 88.1 61.5 114.3

131 83.6 60.6 112.6

166 128.3 90.2 167.6

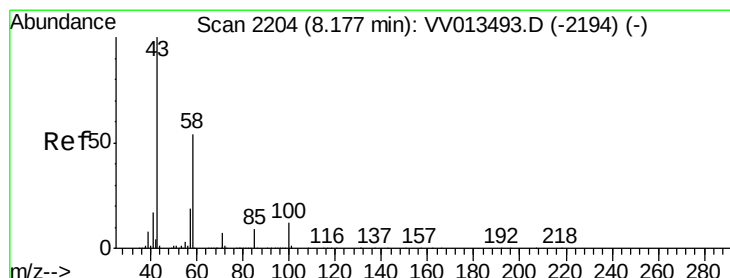
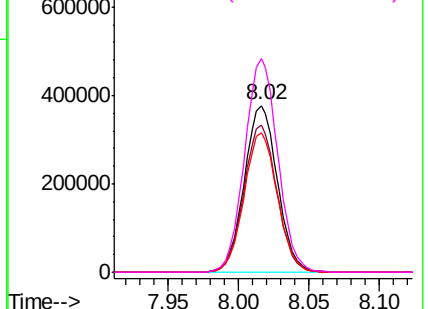
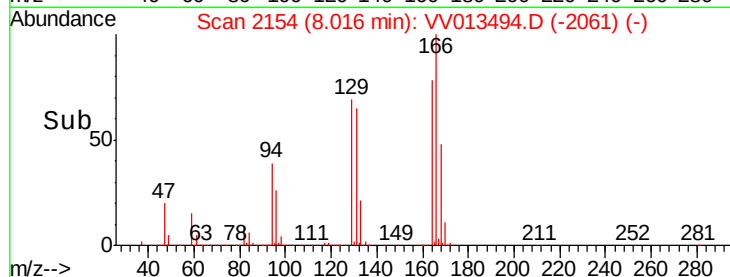


Abundance Ion 164.00 (163.70 to 164.70): V

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: 221.884 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Tgt Ion: 43 Resp: 1552733

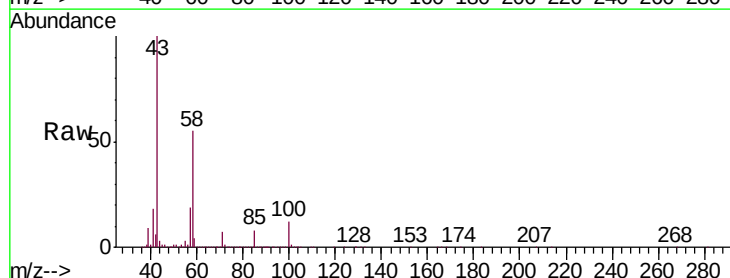
Ion Ratio Lower Upper

43 100

58 55.3 43.4 65.0

57 19.1 15.2 22.8

100 12.4 9.9 14.9

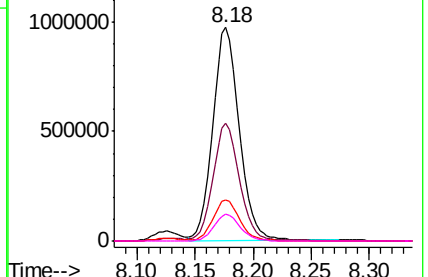
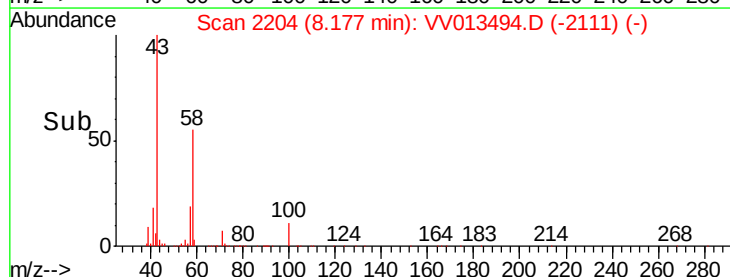


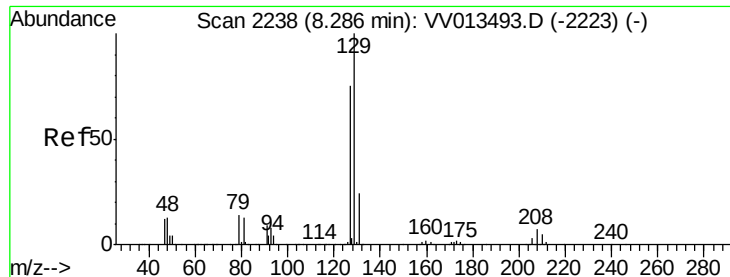
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 104.146 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

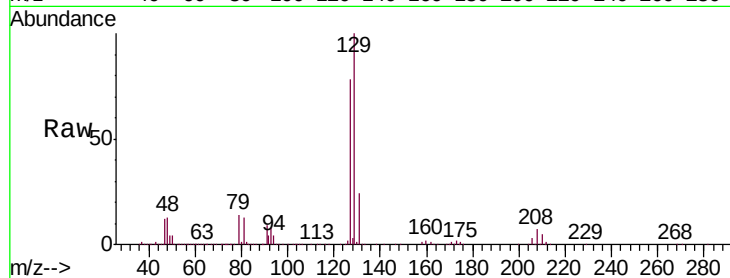
VSTD10066

Tgt Ion:129 Resp: 798066

Ion Ratio Lower Upper

129 100

127 78.0 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.29

500000

400000

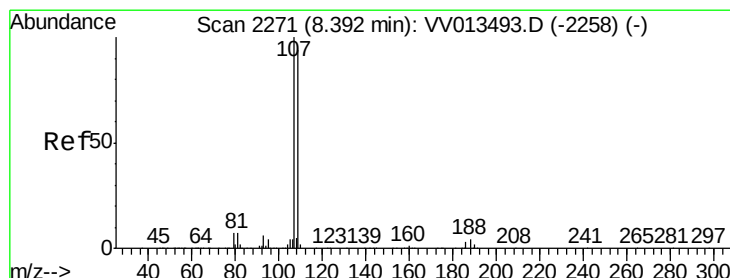
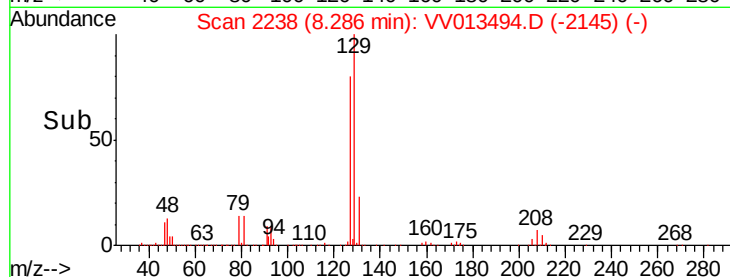
300000

200000

100000

0

Time-->



#50

1,2-Dibromoethane

Concen: 100.771 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

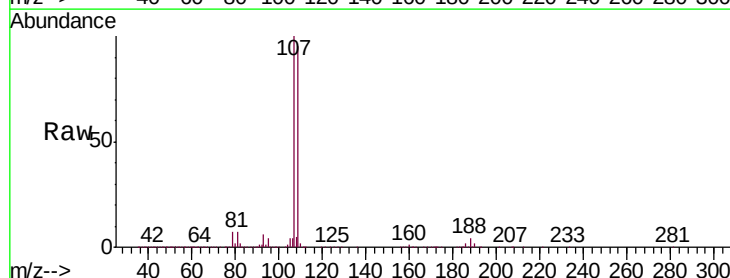
Tgt Ion:107 Resp: 718015

Ion Ratio Lower Upper

107 100

109 95.1 65.7 122.1

188 4.5 3.5 5.3



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

8.39

600000

500000

400000

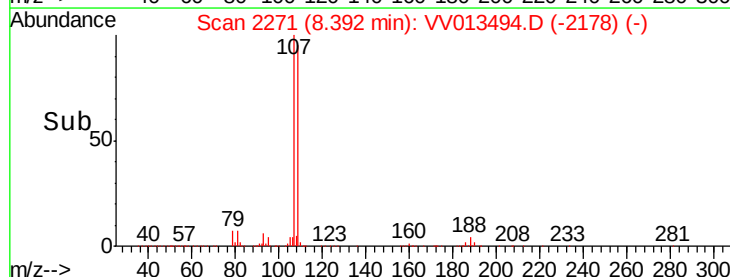
300000

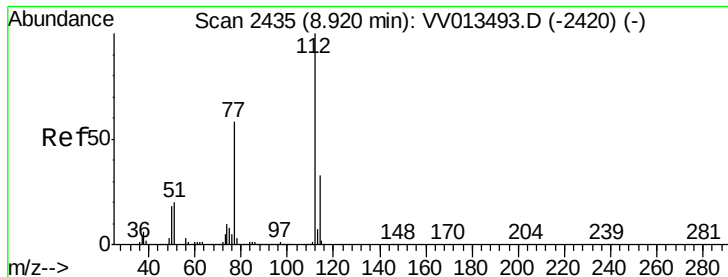
200000

100000

0

Time-->





#51

Chlorobenzene

Concen: 100.353 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

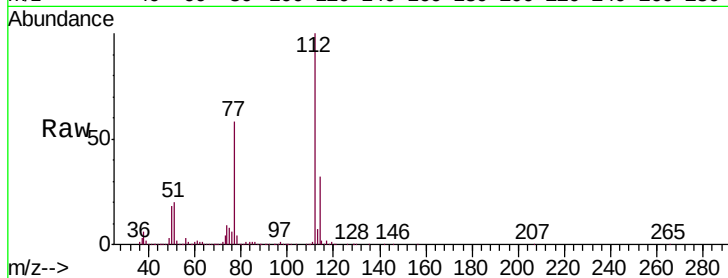
Tgt Ion: 112 Resp: 1899459

Ion Ratio Lower Upper

112 100

114 32.1 22.8 42.4

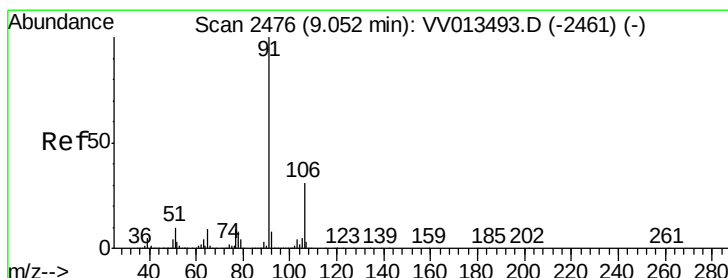
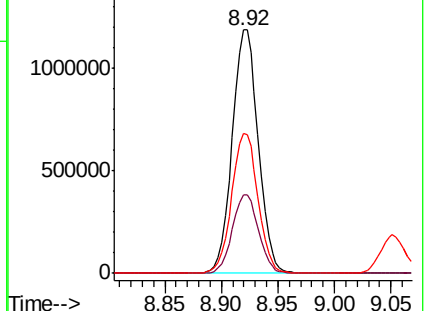
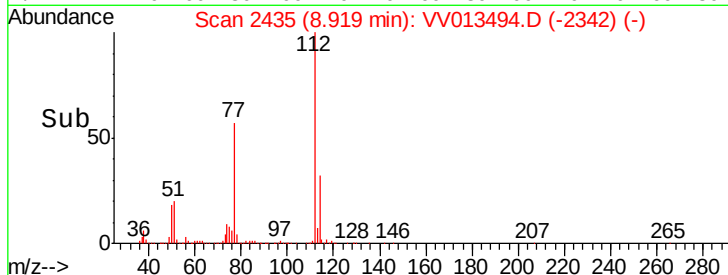
77 57.5 46.7 70.1



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): V



#52

Ethylbenzene

Concen: 110.959 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013494.D

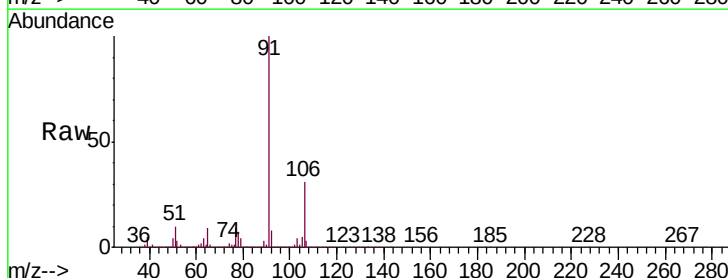
Acq: 06 Nov 2019 11:52

Tgt Ion: 91 Resp: 3284736

Ion Ratio Lower Upper

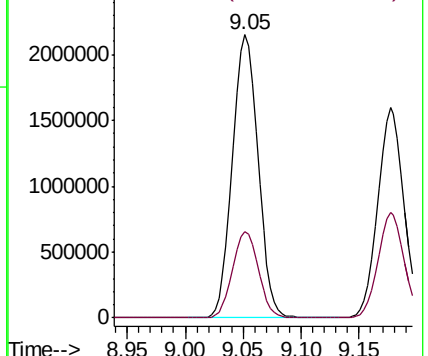
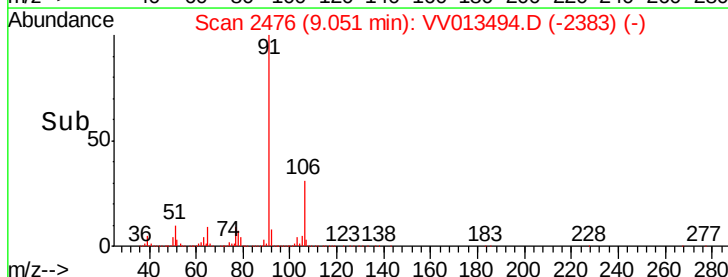
91 100

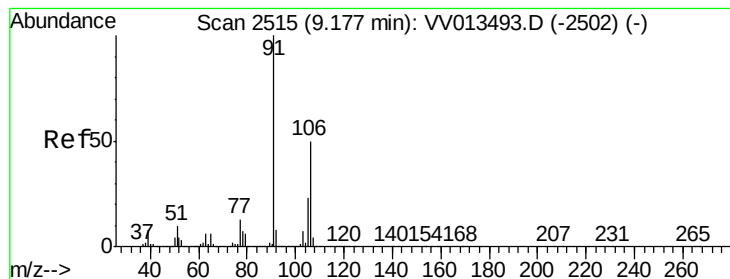
106 30.5 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 110.086 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

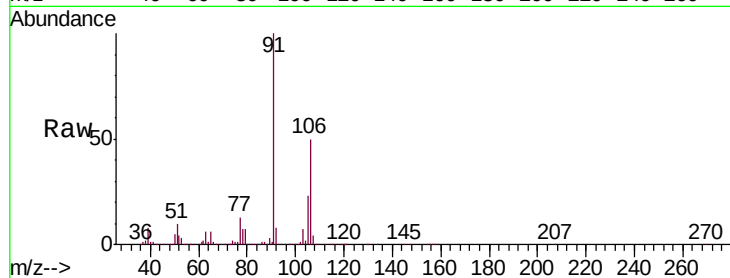
VSTD10066

Tgt Ion:106 Resp: 1259930

Ion Ratio Lower Upper

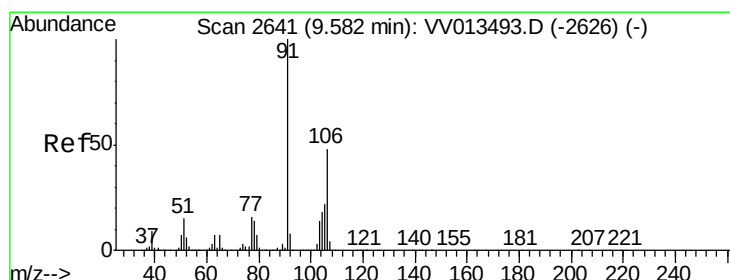
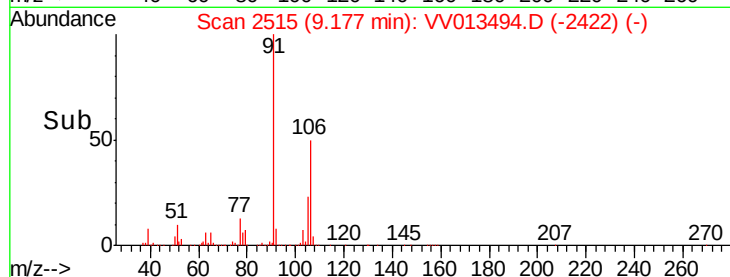
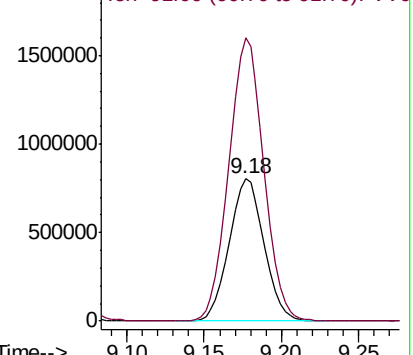
106 100

91 198.6 141.6 263.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 108.818 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013494.D

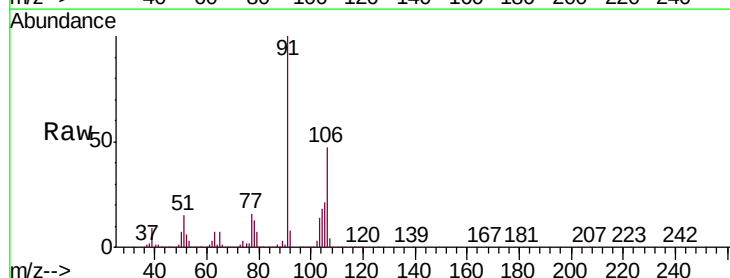
Acq: 06 Nov 2019 11:52

Tgt Ion:106 Resp: 1216782

Ion Ratio Lower Upper

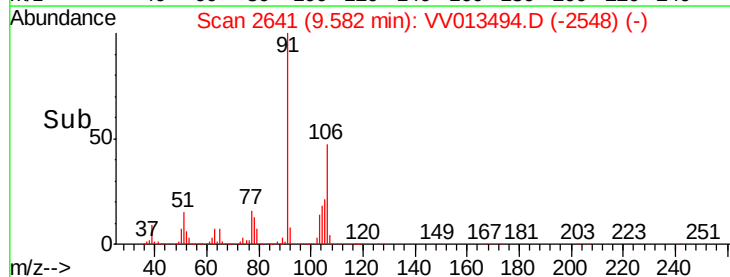
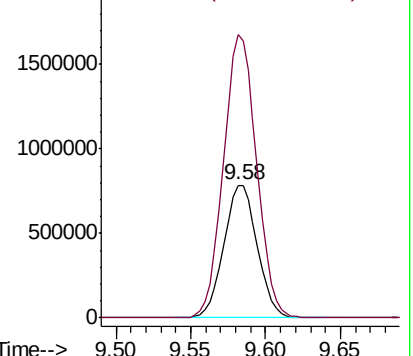
106 100

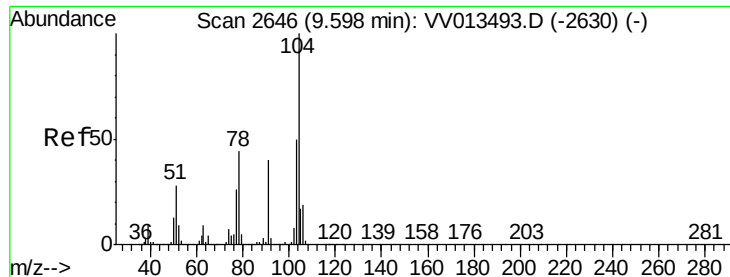
91 213.0 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Styrene

Concen: 111.979 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

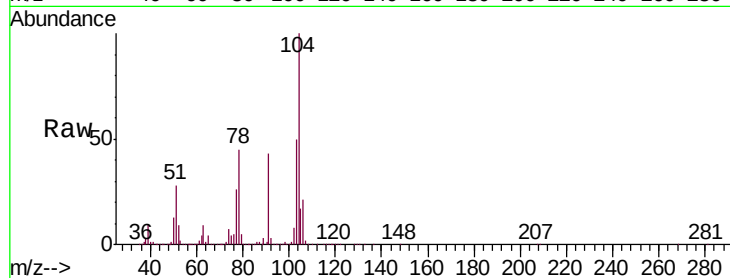
VSTD10066

Tgt Ion:104 Resp: 2121565

Ion Ratio Lower Upper

104 100

78 44.6 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.60

1500000

1000000

500000

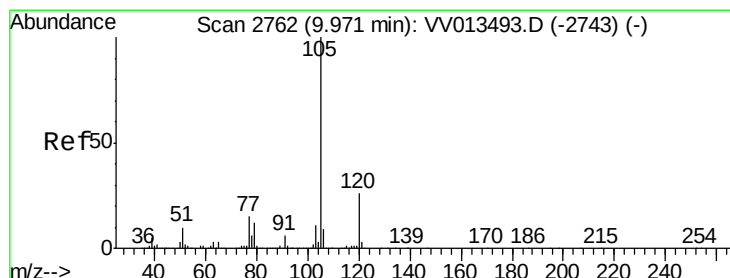
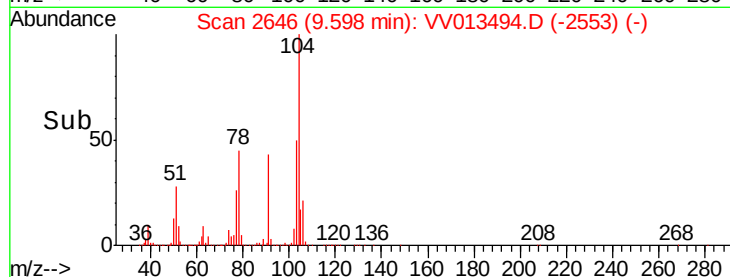
0

9.50

9.60

9.70

Time-->



#56

Isopropylbenzene

Concen: 112.164 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

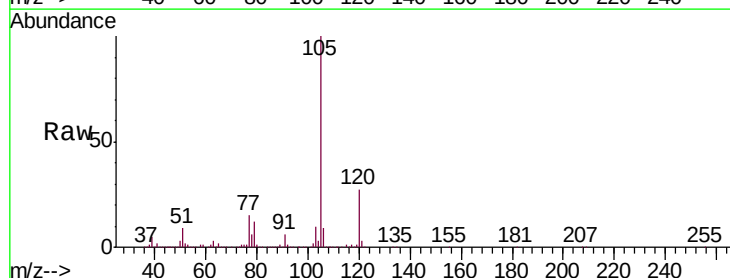
Tgt Ion:105 Resp: 3211729

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

77 15.2 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): VV0

3000000

2500000

2000000

1500000

1000000

500000

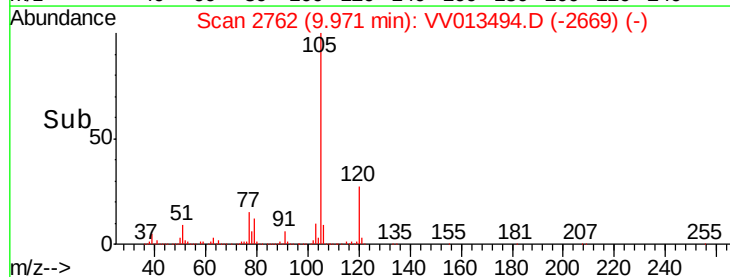
0

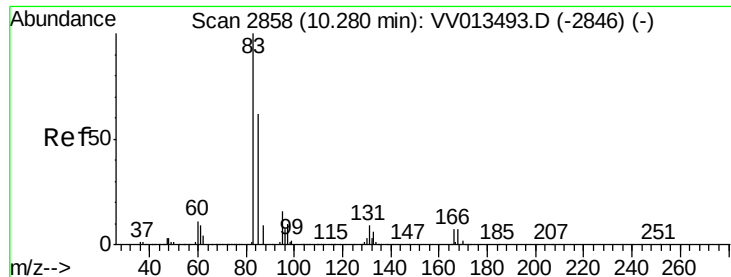
9.90

9.97

10.00

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 100.924 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

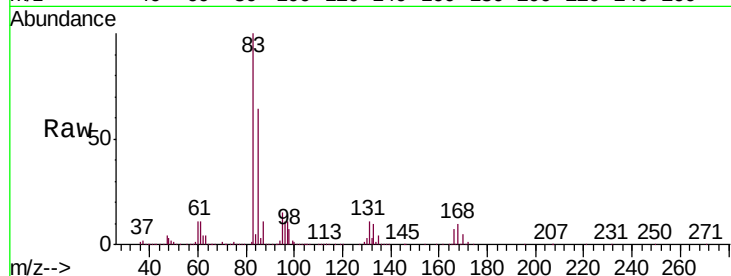
Tgt Ion: 83 Resp: 1048351

Ion Ratio Lower Upper

83 100

85 64.0 44.0 81.6

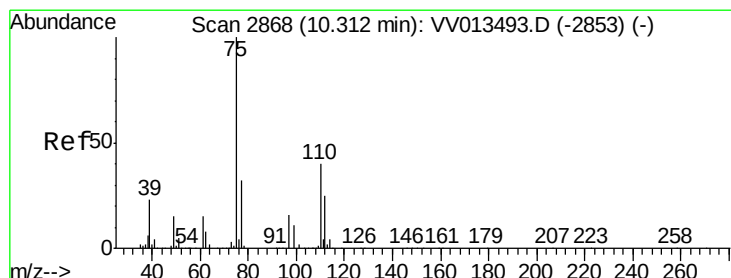
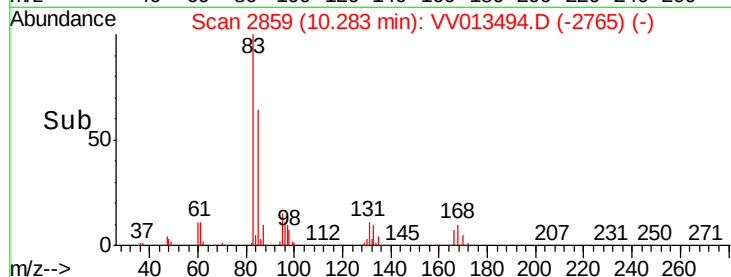
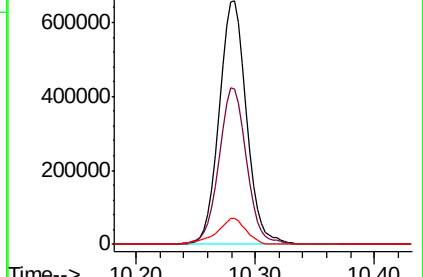
131 10.6 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV013493.D (-2846) (-)

Ion 85.00 (84.70 to 85.70): VV013493.D (-2846) (-)

Ion 131.00 (130.70 to 131.70): VV013493.D (-2846) (-)



#59

1,2,3-Trichloropropane

Concen: 98.997 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013494.D

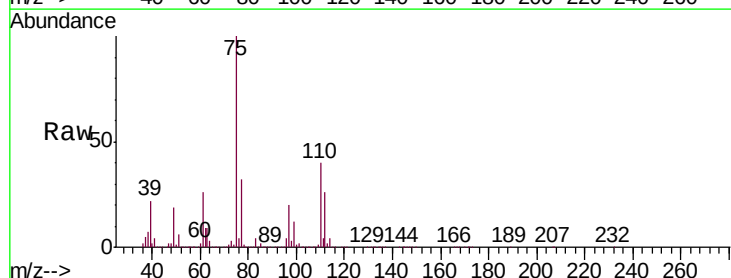
Acq: 06 Nov 2019 11:52

Tgt Ion: 75 Resp: 848921

Ion Ratio Lower Upper

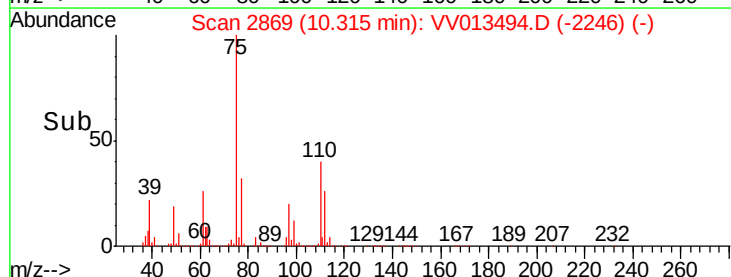
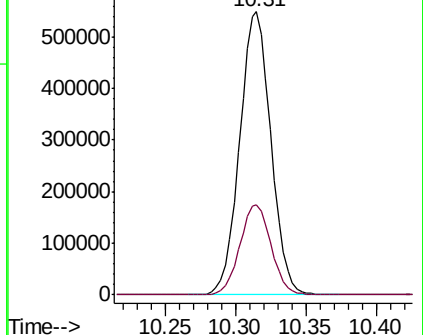
75 100

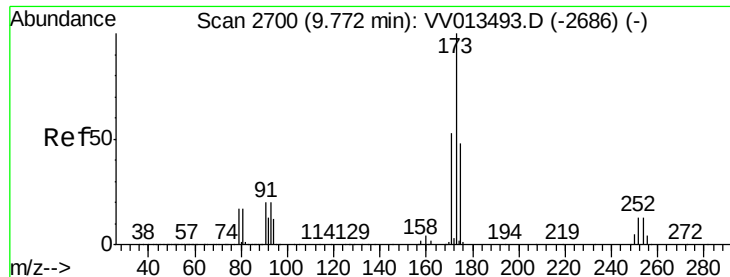
77 31.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV013493.D (-2853) (-)

Ion 77.00 (76.70 to 77.70): VV013493.D (-2853) (-)





#61

Bromoform

Concen: 96.135 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

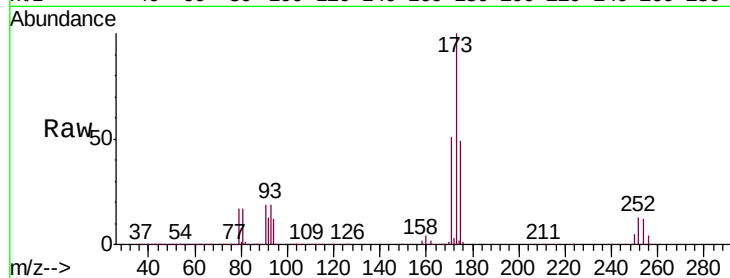
Tgt Ion:173 Resp: 612933

Ion Ratio Lower Upper

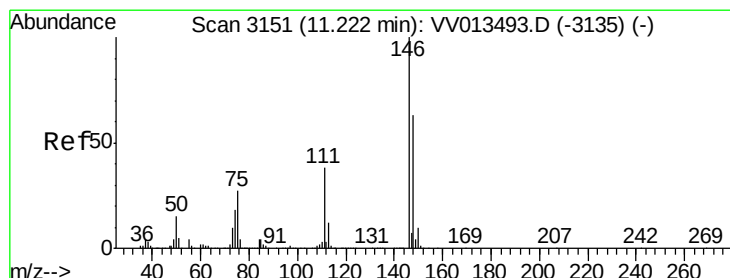
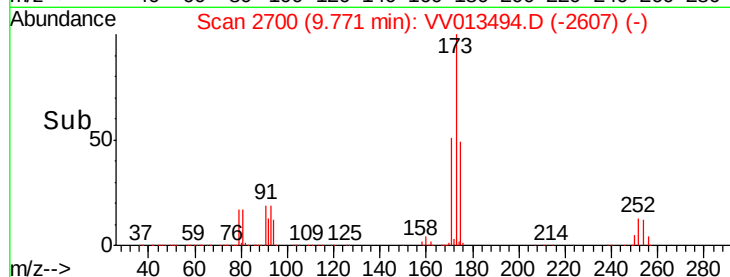
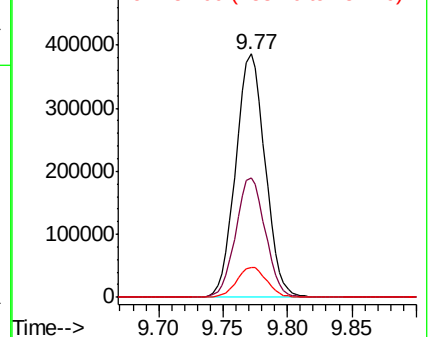
173 100

175 49.3 39.0 58.4

254 12.6 10.2 15.2



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 99.198 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013494.D

Acq: 06 Nov 2019 11:52

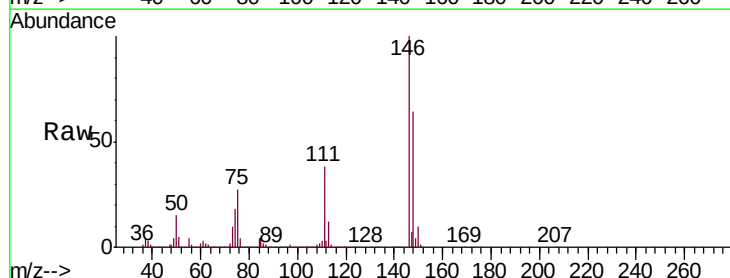
Tgt Ion:146 Resp: 1567056

Ion Ratio Lower Upper

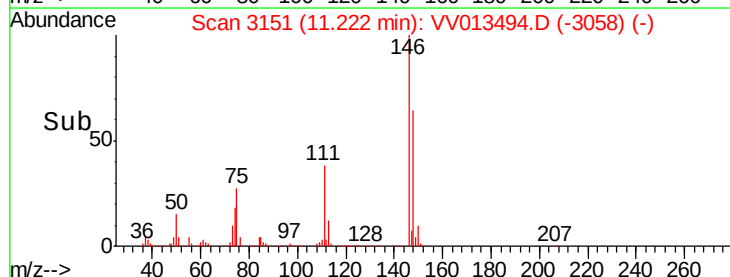
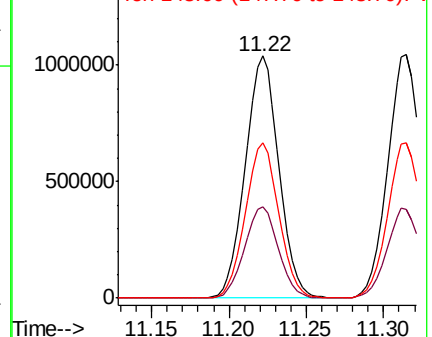
146 100

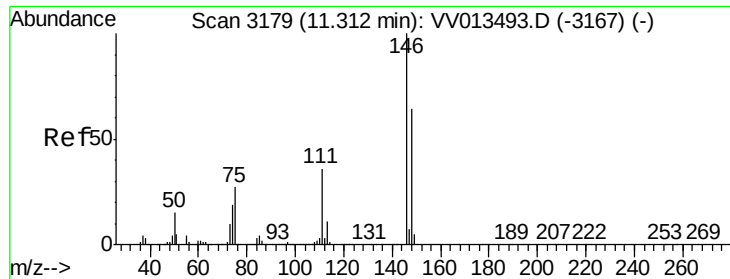
111 38.0 26.4 49.0

148 64.1 44.4 82.4



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

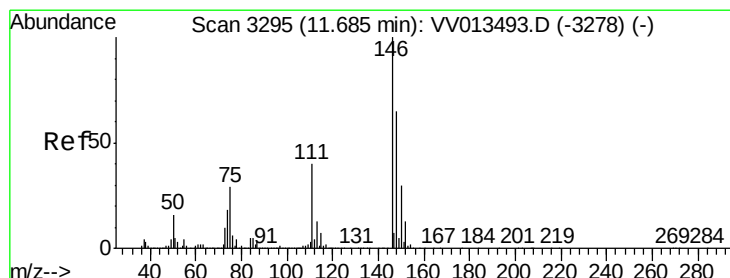
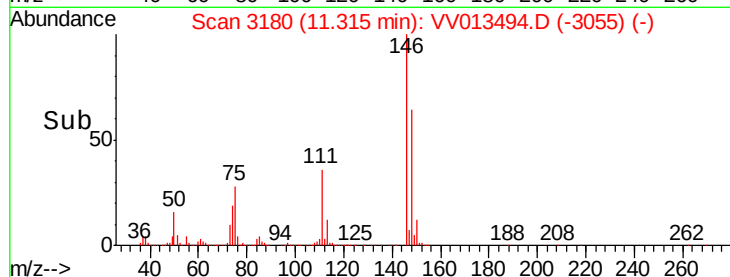
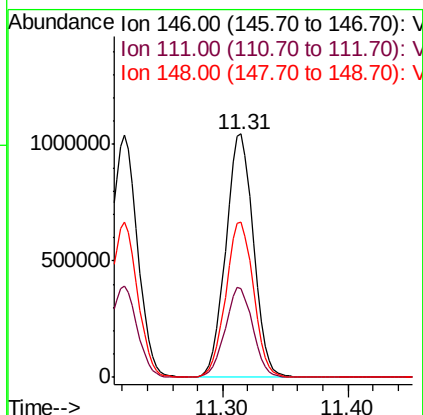
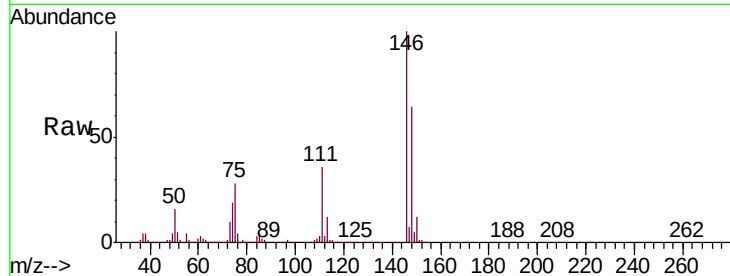




#63
 1,4-Dichlorobenzene
 Concen: 97.110 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

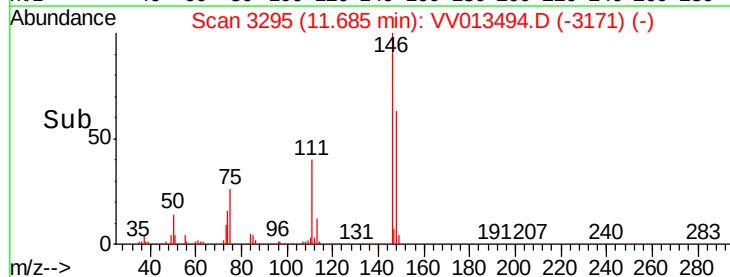
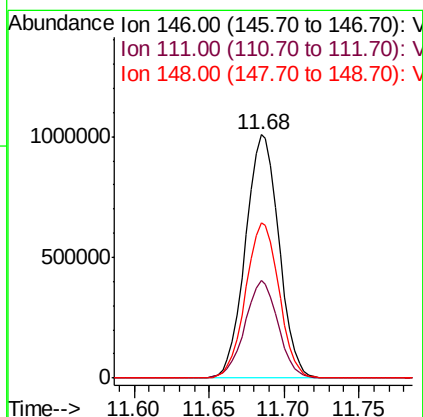
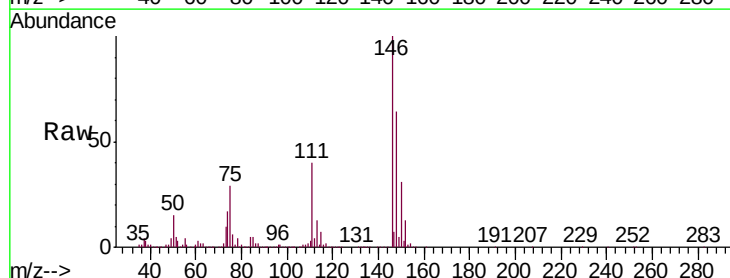
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

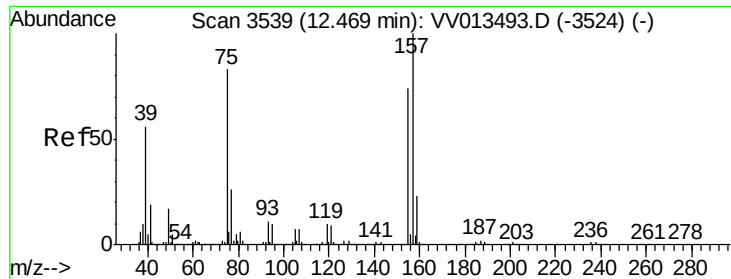
Tgt Ion:146 Resp: 1592903
 Ion Ratio Lower Upper
 146 100
 111 36.3 25.5 47.3
 148 63.8 44.9 83.5



#65
 1,2-Dichlorobenzene
 Concen: 96.539 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

Tgt Ion:146 Resp: 1567114
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.1 48.1
 148 63.6 52.0 78.0

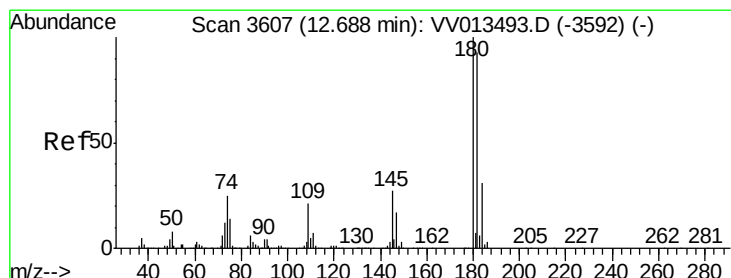
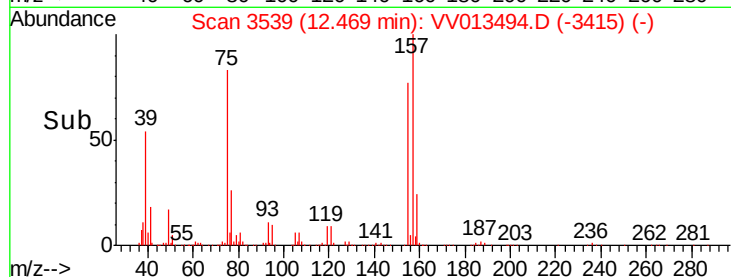
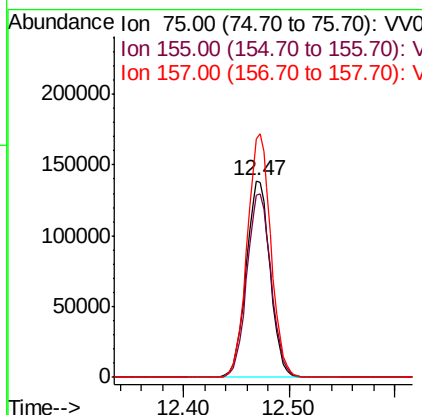
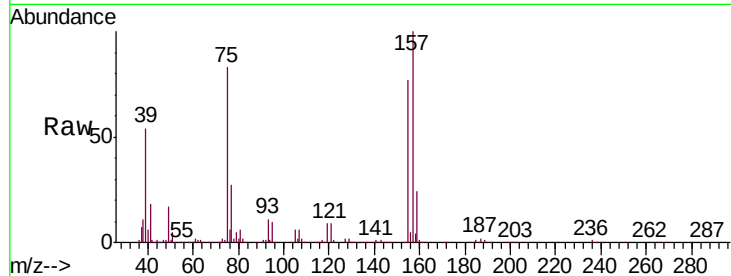




#66
 1,2-Dibromo-3-chloropropane
 Concen: 96.503 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

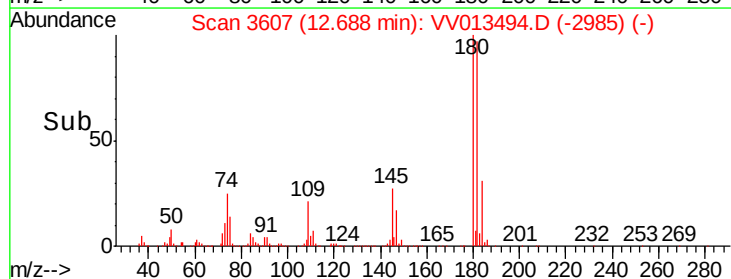
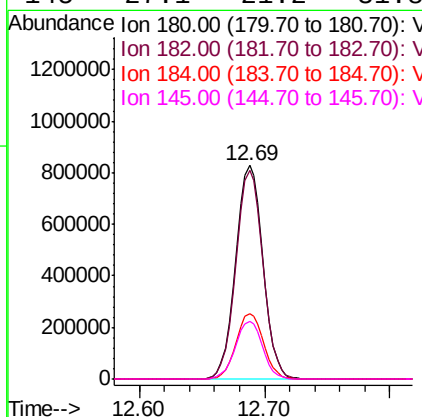
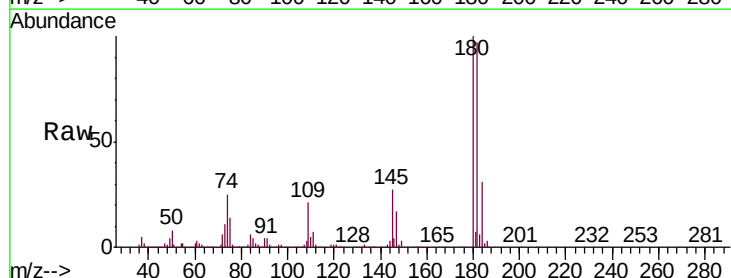
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

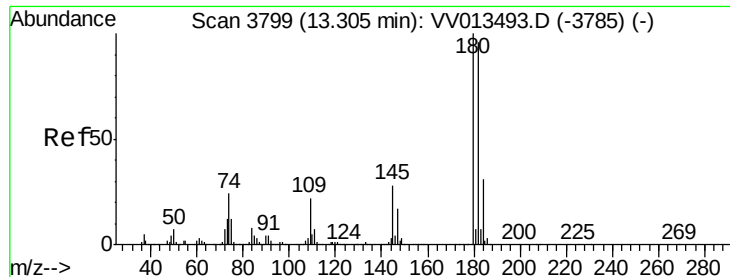
Tgt Ion: 75 Resp: 219101
 Ion Ratio Lower Upper
 75 100
 155 92.7 71.9 107.9
 157 121.2 96.6 145.0



#67
 1,3,5-Trichlorobenzene
 Concen: 104.292 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

Tgt Ion: 180 Resp: 1249836
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.2 114.2
 184 30.9 24.3 36.5
 145 27.1 21.2 31.8

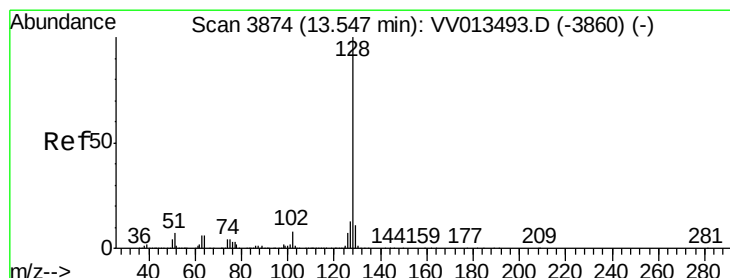
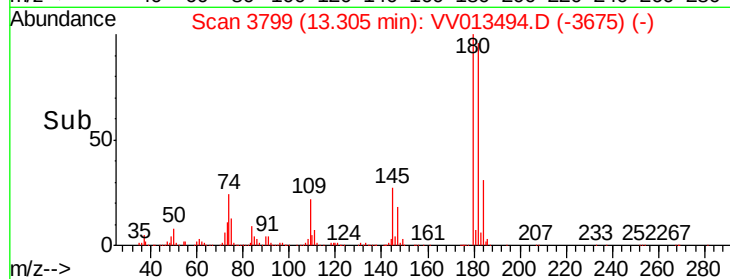
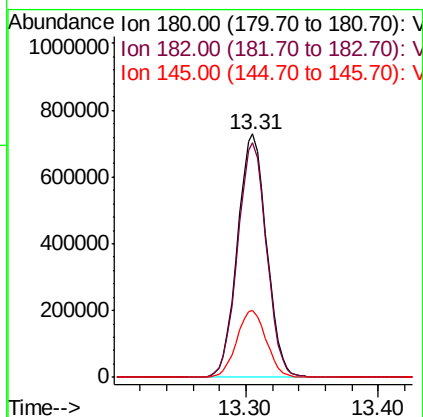
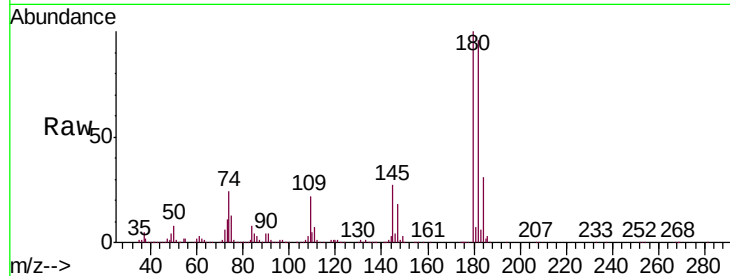




#68
 1,2,4-trichlorobenzene
 Concen: 110.156 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

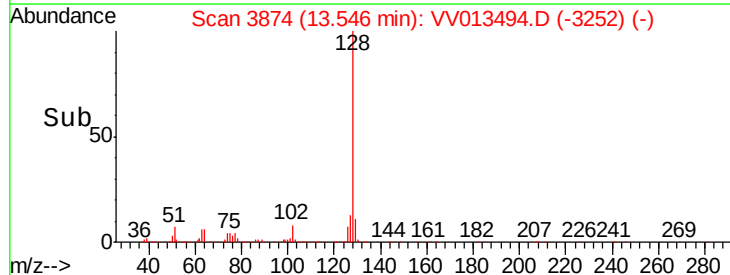
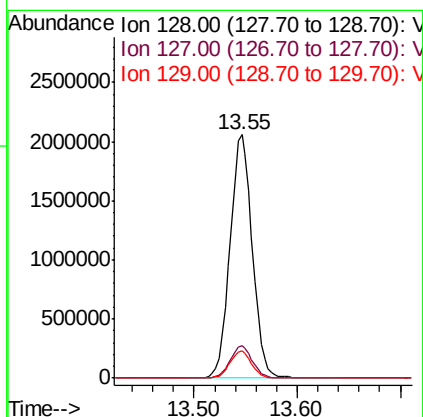
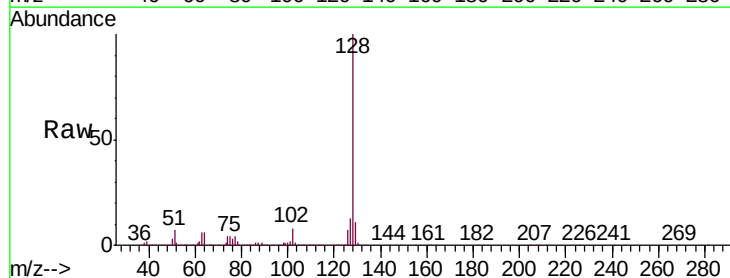
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

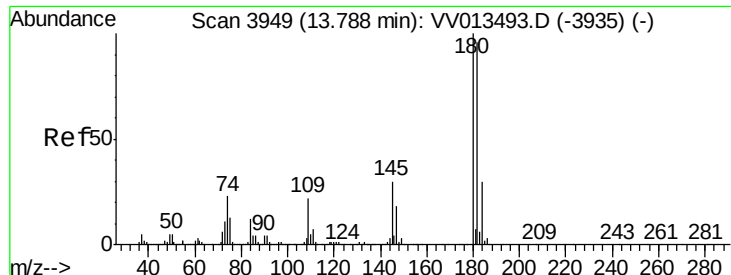
Tgt Ion:180 Resp: 1109327
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.4 114.6
 145 27.9 22.4 33.6



#69
 Naphthalene
 Concen: 115.123 ug/L
 RT: 13.55 min Scan# 3874
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

Tgt Ion:128 Resp: 3094561
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.6 15.8
 129 10.9 8.6 13.0

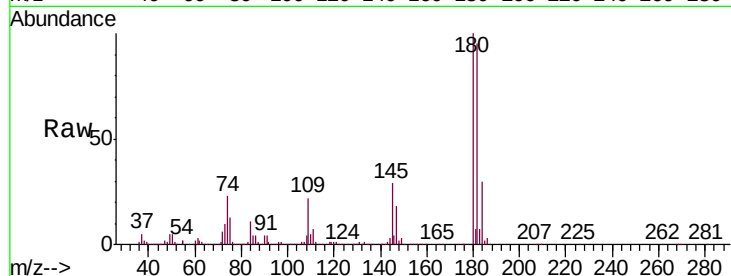




#70
 1,2,3-Trichlorobenzene
 Concen: 106.646 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VV013494.D
 Acq: 06 Nov 2019 11:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.0
145	29.3	24.0	36.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

