

Data File : VV014125.D
Acq On : 18 Dec 2019 17:29
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Quant Time: Dec 19 07:10:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 19 07:06:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	753523	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	719674	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	385758	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	201304	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.38%
7) Chloroethane-d5	1.58	69	196417	43.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.36%
11) 1,1-Dichloroethene-d2	2.13	63	391310	40.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.22%
21) 2-Butanone-d5	3.92	46	343401	111.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.95%
24) Chloroform-d	4.40	84	445652	48.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.38%
26) 1,2-Dichloroethane-d4	5.08	65	279191	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
32) Benzene-d6	5.10	84	864914	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
36) 1,2-Dichloropropane-d6	6.11	67	266460	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.35	98	771370	45.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.74%
43) trans-1,3-Dichloropropene-	7.66	79	121884	44.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.50%
47) 2-Hexanone-d5	8.13	63	250361	119.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.78%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	392775	48.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.92%
64) 1,2-Dichlorobenzene-d4	11.67	152	329214	43.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	282917	42.167	ug/L	99
3) Chloromethane	1.25	50	357468	58.277	ug/L	98
5) Vinyl chloride	1.32	62	291088	45.501	ug/L	96
6) Bromomethane	1.53	94	133850	34.605	ug/L	99
8) Chloroethane	1.60	64	178990	42.049	ug/L	99
9) Trichlorofluoromethane	1.77	101	392700	39.467	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	223859	39.501	ug/L	97
12) 1,1-Dichloroethene	2.14	96	211453	38.628	ug/L	96
13) Acetone	2.18	43	307057	68.309	ug/L	99
14) Carbon disulfide	2.32	76	574497	39.796	ug/L	99
15) Methyl Acetate	2.45	43	301398	54.405	ug/L	98
16) Methylene chloride	2.53	84	276504	48.505	ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	233415	43.593	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	779722	50.180	ug/L	98
19) 1,1-Dichloroethane	3.23	63	469667	48.686	ug/L	98
22) 2-Butanone	4.00	43	426765	98.912	ug/L	96
23) Bromochloromethane	4.30	128	146997	45.885	ug/L	95

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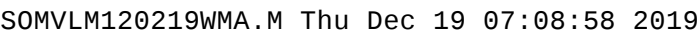
Instrument :
MSVOA_V
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VSTD05087

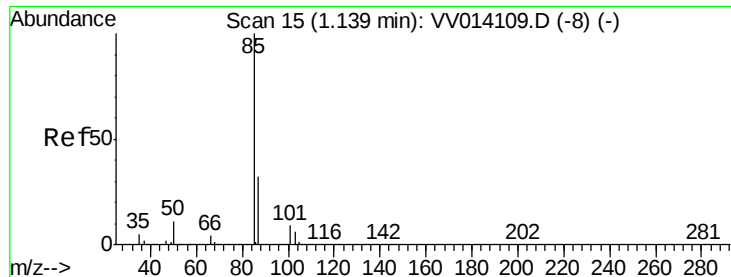
Quant Time: Dec 19 07:10:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 19 07:06:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.42	83	476256	46.180	ug/L	100
27) 1,2-Dichloroethane	5.17	62	378676	50.957	ug/L	98
29) Cyclohexane	4.72	56	381545	45.378	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	392510	45.178	ug/L	97
31) Carbon tetrachloride	4.87	117	352214	45.383	ug/L	98
33) Benzene	5.14	78	1028203	47.975	ug/L	100
34) Trichloroethene	5.95	95	247387	43.037	ug/L	99
35) Methylcyclohexane	6.17	83	369953	42.895	ug/L	97
37) 1,2-Dichloropropane	6.22	63	256348	49.420	ug/L	100
38) Bromodichloromethane	6.55	83	357576	48.609	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	387655	47.472	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	776121	115.065	ug/L	98
42) Toluene	7.43	91	1044191	47.221	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	358949	48.542	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	262728	51.027	ug/L	96
46) Tetrachloroethene	8.02	164	218521	42.128	ug/L	95
48) 2-Hexanone	8.17	43	592861	109.877	ug/L	94
49) Dibromochloromethane	8.29	129	300488	47.743	ug/L	98
50) 1,2-Dibromoethane	8.39	107	272570	48.056	ug/L	98
51) Chlorobenzene	8.92	112	689525	45.197	ug/L	99
52) Ethylbenzene	9.05	91	1129946	46.352	ug/L	98
53) m,p-Xylene	9.18	106	428965	45.505	ug/L	100
54) o-xylene	9.58	106	432316	46.904	ug/L	95
55) Styrene	9.60	104	759492	47.760	ug/L	96
56) Isopropylbenzene	9.97	105	1130392	45.626	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	437260	52.166	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	351837	50.123	ug/L	98
61) Bromoform	9.77	173	238080	50.453	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	567725	44.852	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	571683	43.688	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	580120	45.818	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	86113	48.938	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	433197	42.144	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	363222	39.162	ug/L	100
69) Naphthalene	13.55	128	988096	40.575	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	395031	40.728	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 42.167 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

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MSVOA_V

ClientSampleId :

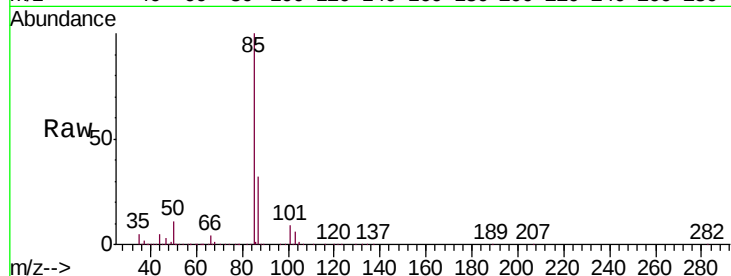
VSTD05087

Tgt Ion: 85 Resp: 282917

Ion Ratio Lower Upper

85 100

87 32.5 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

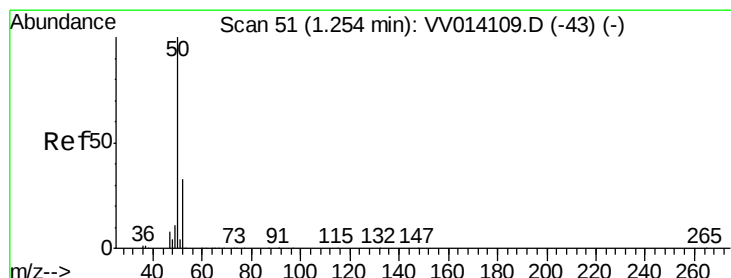
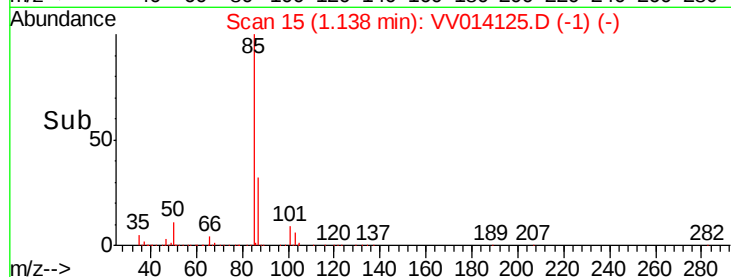
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 58.277 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014125.D

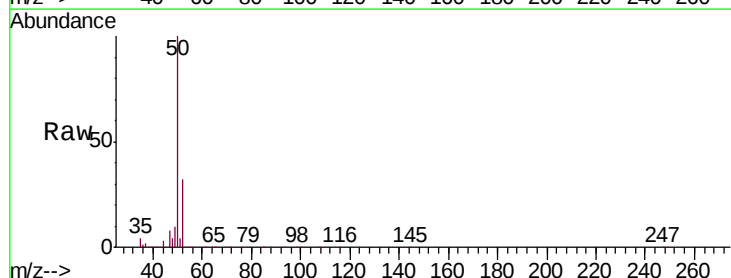
Acq: 18 Dec 2019 17:29

Tgt Ion: 50 Resp: 357468

Ion Ratio Lower Upper

50 100

52 31.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

400000

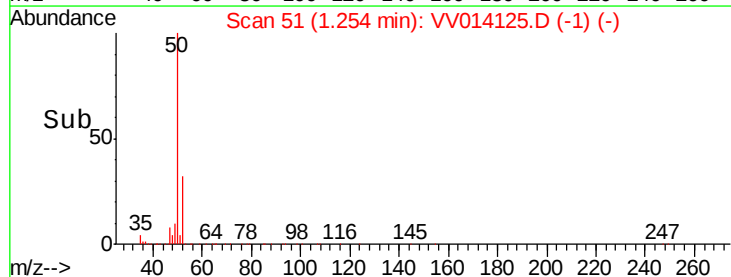
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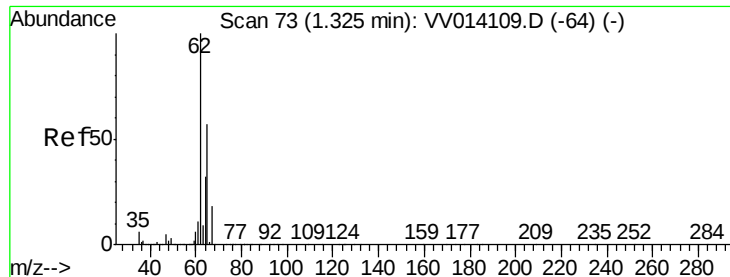
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 45.501 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

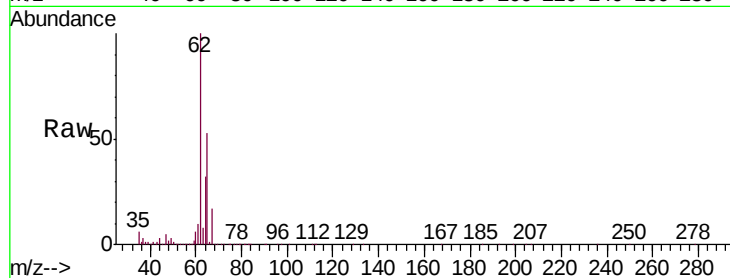
VSTD05087

Tgt Ion: 62 Resp: 291088

Ion Ratio Lower Upper

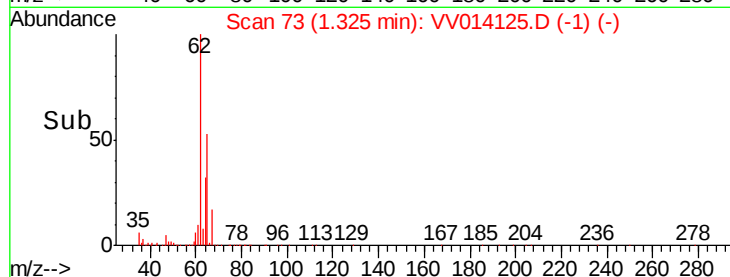
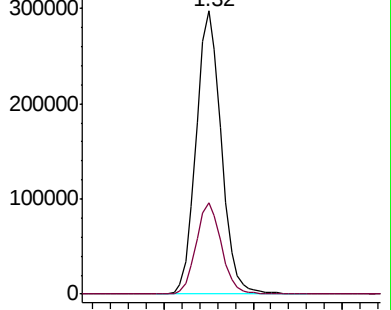
62 100

64 32.2 24.1 44.8

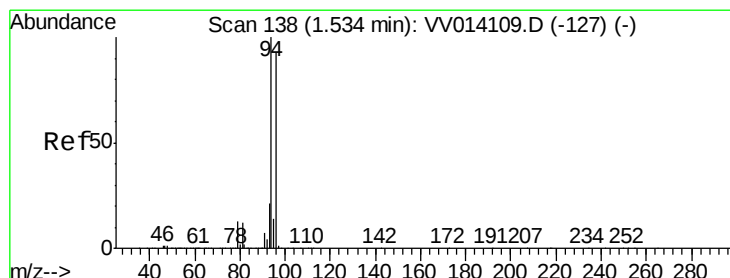


Abundance Ion 62.00 (61.70 to 62.70): VV014109.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV014109.D (-64) (-)



Time-->



#6

Bromomethane

Concen: 34.605 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014125.D

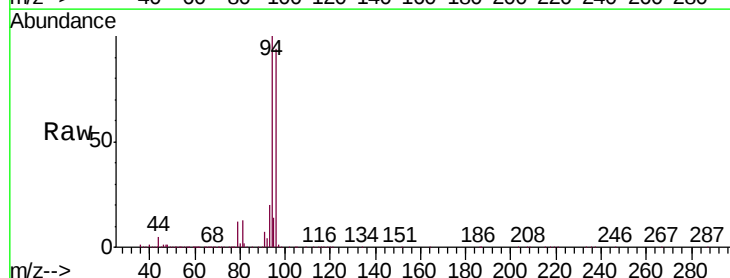
Acq: 18 Dec 2019 17:29

Tgt Ion: 94 Resp: 133850

Ion Ratio Lower Upper

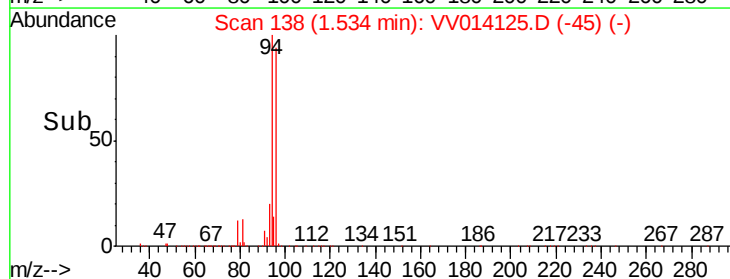
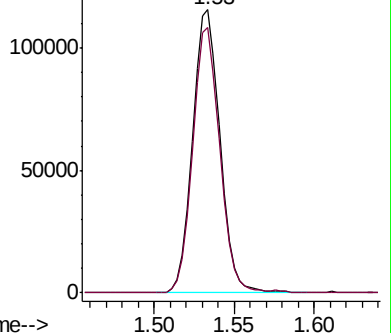
94 100

96 93.6 66.2 123.0

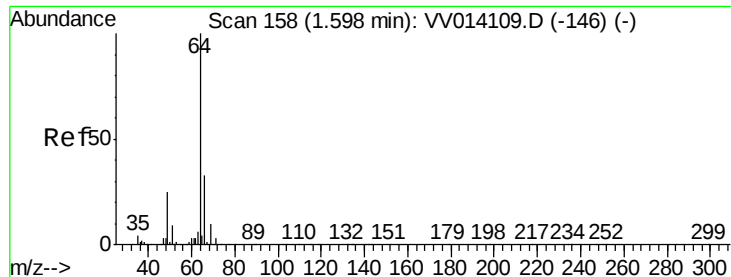


Abundance Ion 94.00 (93.70 to 94.70): VV014109.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV014109.D (-127) (-)



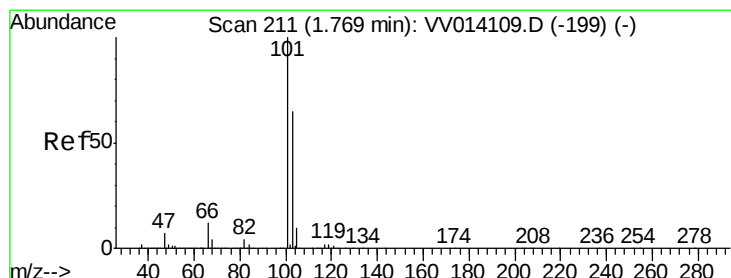
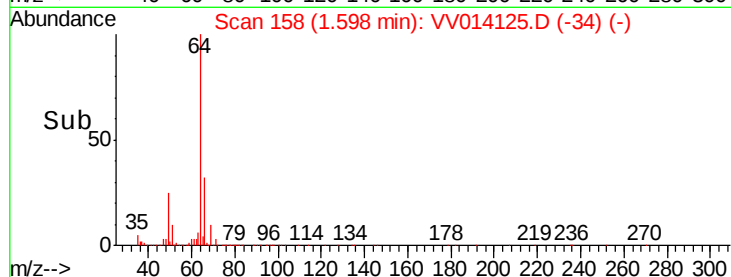
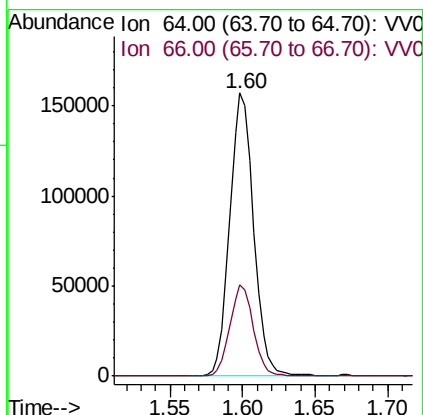
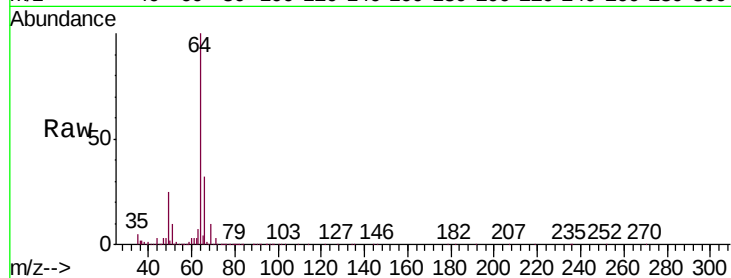
Time-->



#8
Chloroethane
Concen: 42.049 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

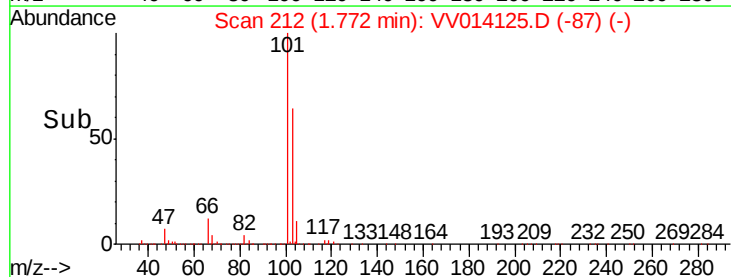
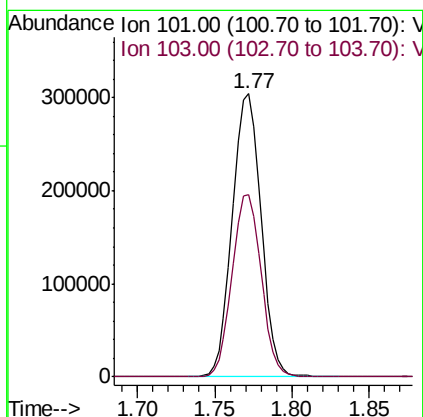
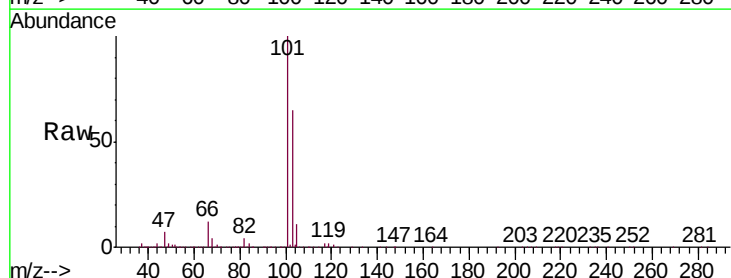
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

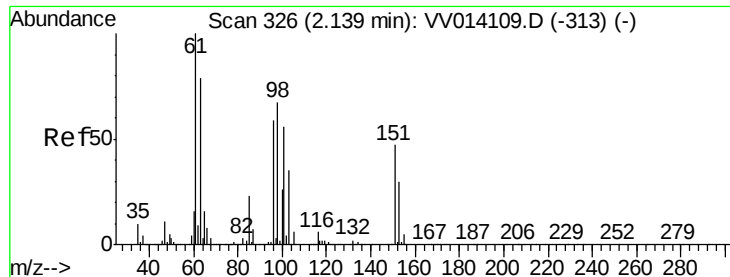
Tgt Ion: 64 Resp: 178990
Ion Ratio Lower Upper
64 100
66 32.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 39.467 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

Tgt Ion: 101 Resp: 392700
Ion Ratio Lower Upper
101 100
103 65.0 51.9 77.9





#10

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

Concen: 39.501 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

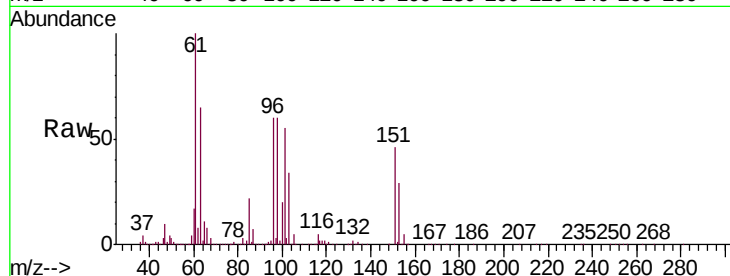
Tgt Ion: 101 Resp: 223859

Ion Ratio Lower Upper

101 100

85 41.7 32.5 48.7

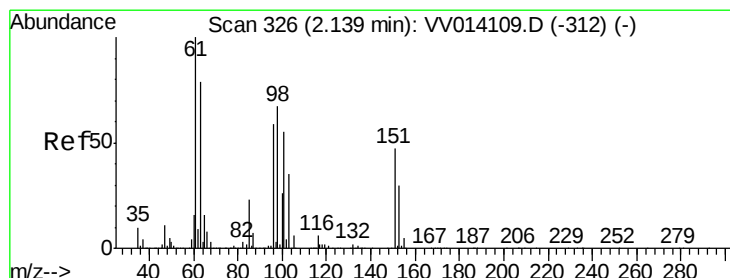
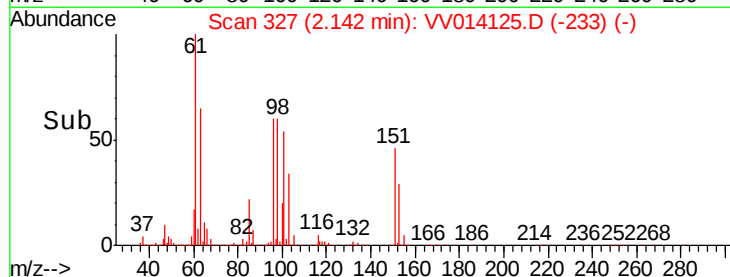
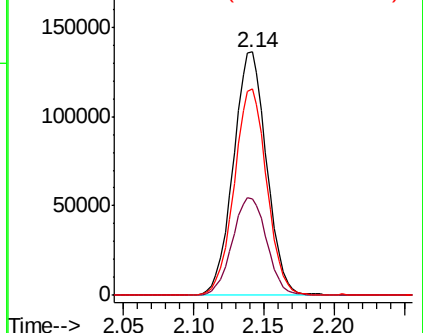
151 83.6 69.8 104.6



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: 38.628 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

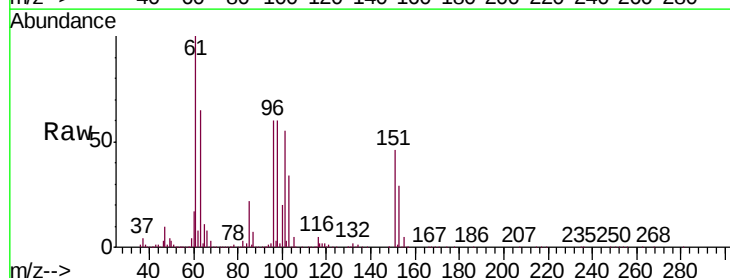
Tgt Ion: 96 Resp: 211453

Ion Ratio Lower Upper

96 100

61 166.7 114.0 211.8

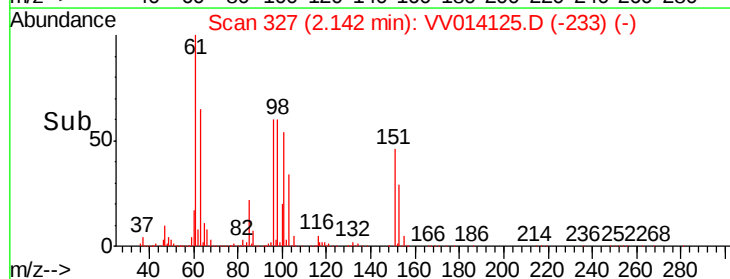
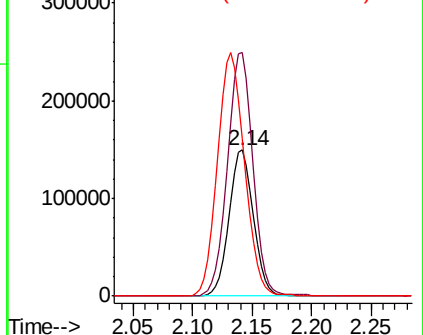
63 107.7 80.3 149.1

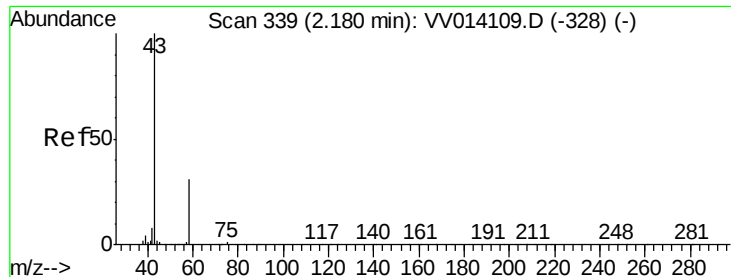


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 68.309 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

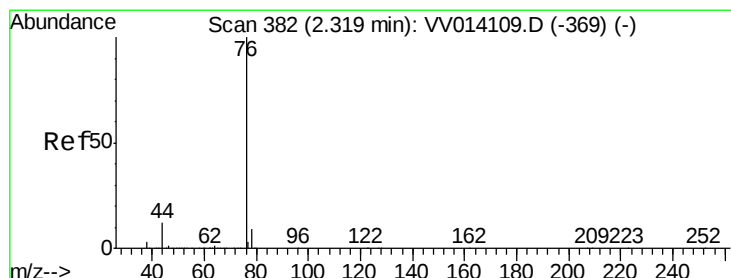
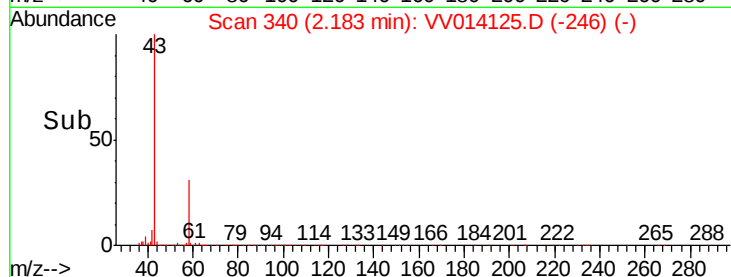
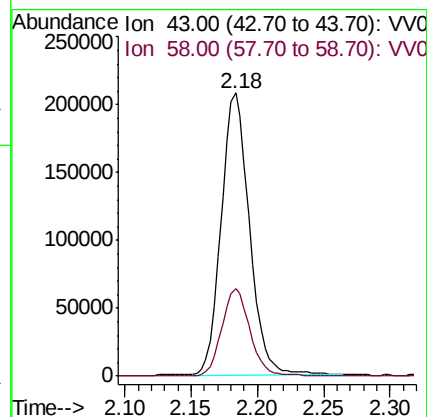
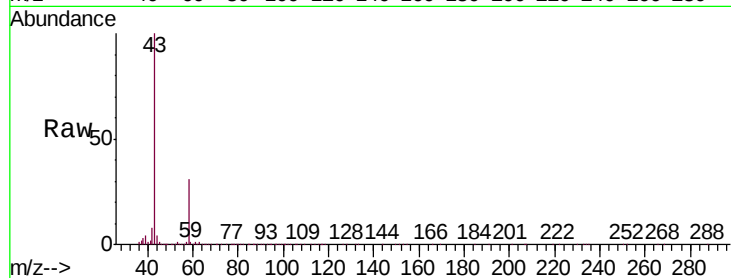
VSTD05087

Tgt Ion: 43 Resp: 307057

Ion Ratio Lower Upper

43 100

58 31.1 0.0 60.8



#14

Carbon disulfide

Concen: 39.796 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014125.D

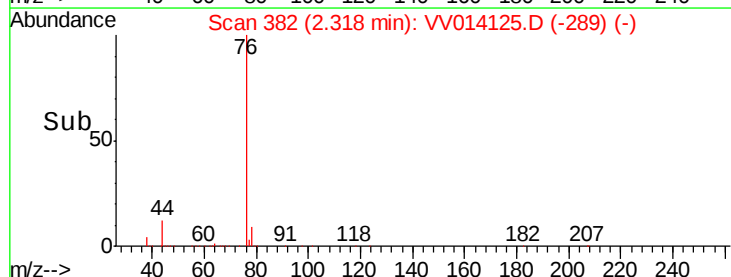
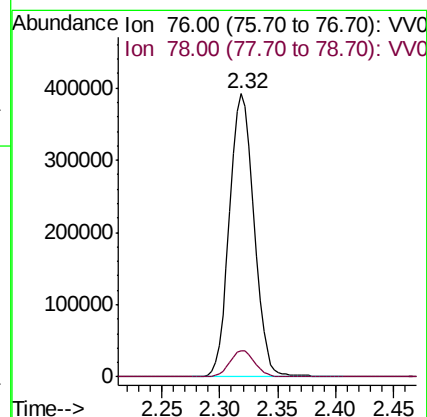
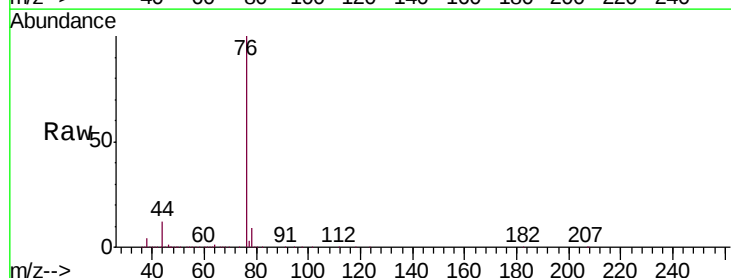
Acq: 18 Dec 2019 17:29

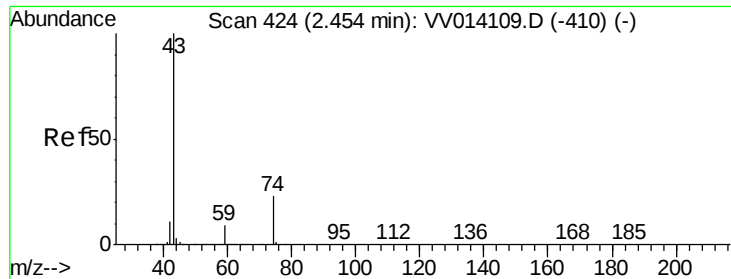
Tgt Ion: 76 Resp: 574497

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

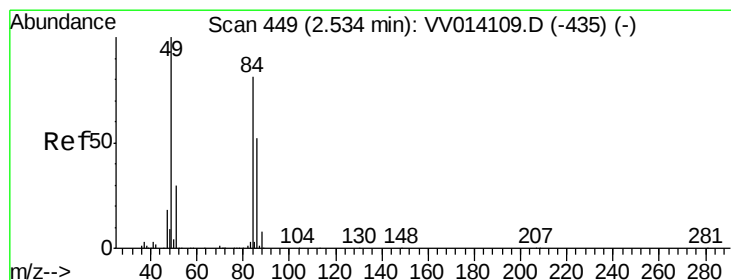
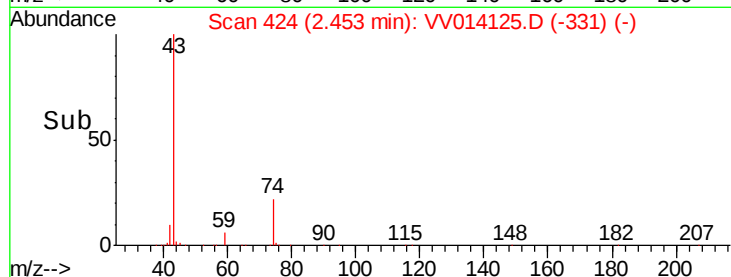
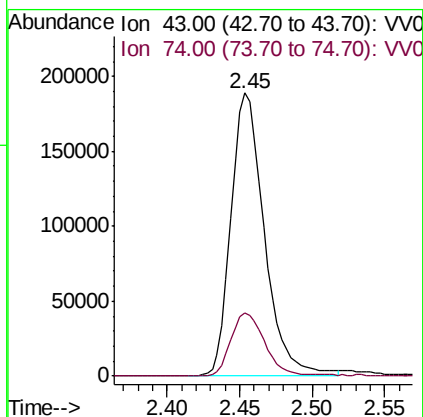
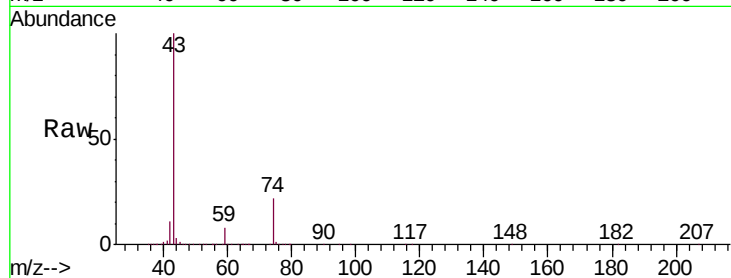




#15
Methyl Acetate
Concen: 54.405 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

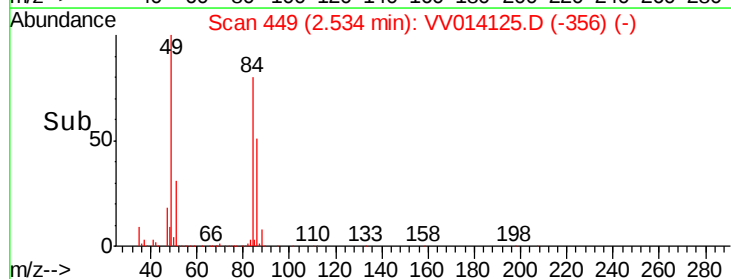
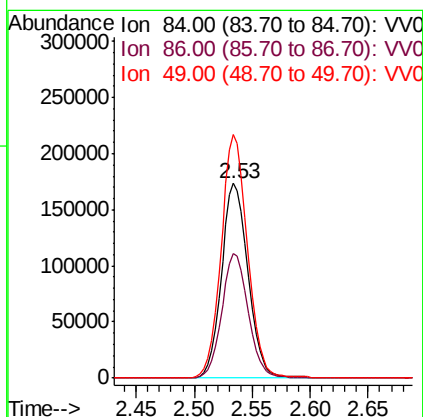
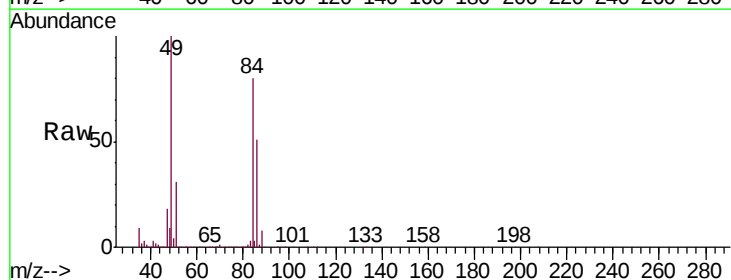
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

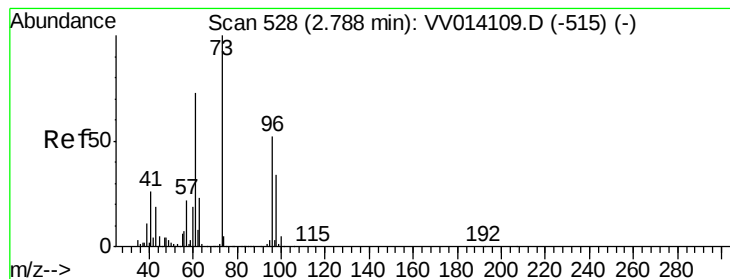
Tgt Ion: 43 Resp: 301398
Ion Ratio Lower Upper
43 100
74 23.1 19.3 28.9



#16
Methylene chloride
Concen: 48.505 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

Tgt Ion: 84 Resp: 276504
Ion Ratio Lower Upper
84 100
86 63.9 43.9 81.5
49 125.0 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 43.593 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

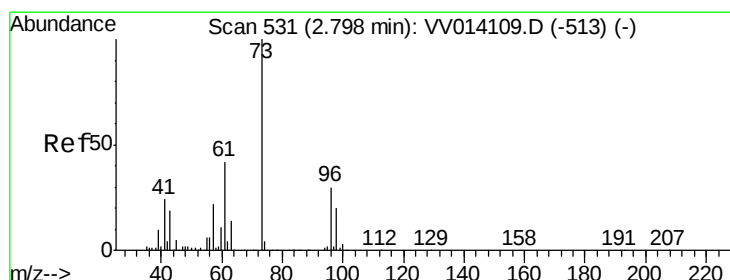
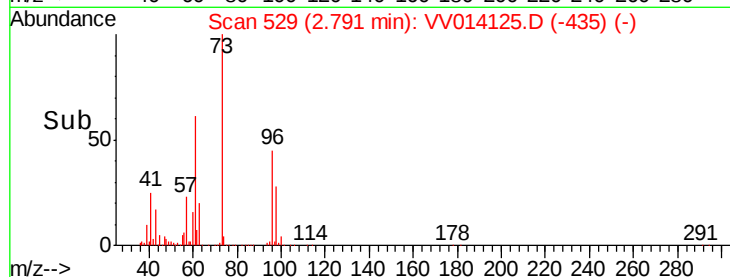
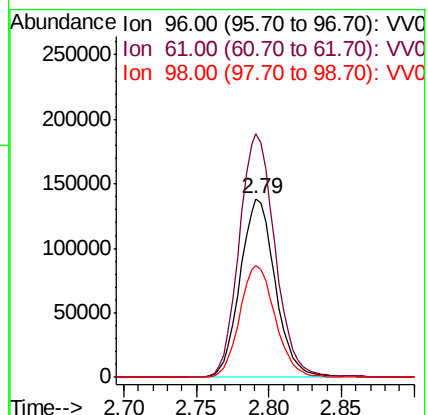
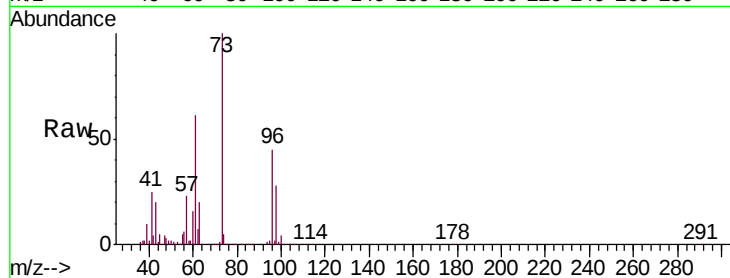
Tgt Ion: 96 Resp: 233415

Ion Ratio Lower Upper

96 100

61 136.1 92.2 171.2

98 62.6 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 50.180 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

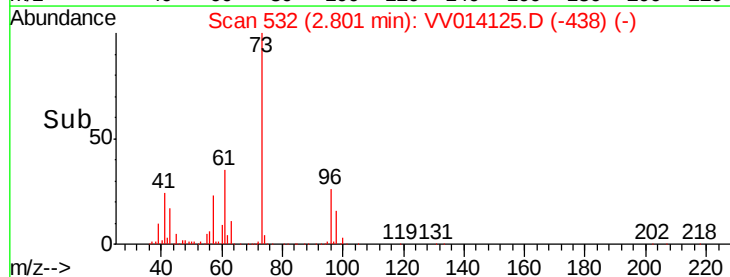
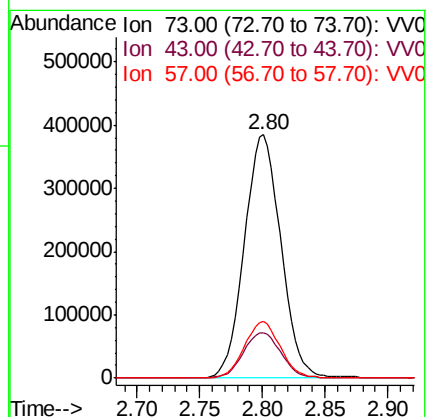
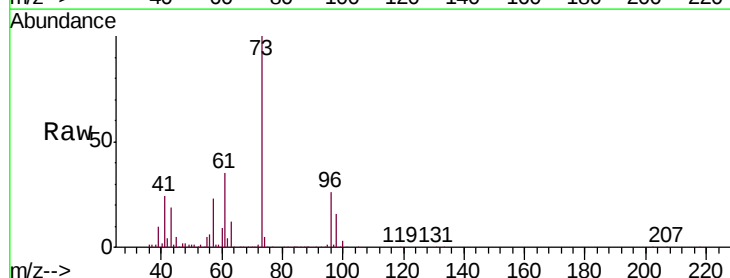
Tgt Ion: 73 Resp: 779722

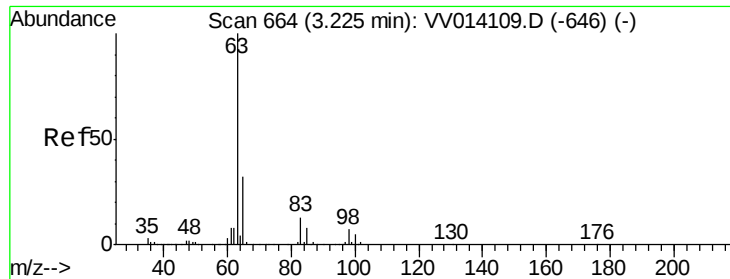
Ion Ratio Lower Upper

73 100

43 19.3 15.0 22.6

57 22.9 17.4 26.2

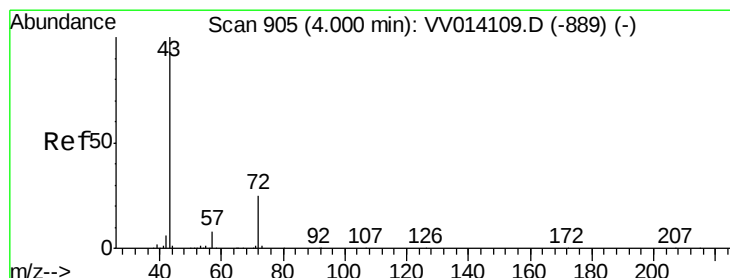
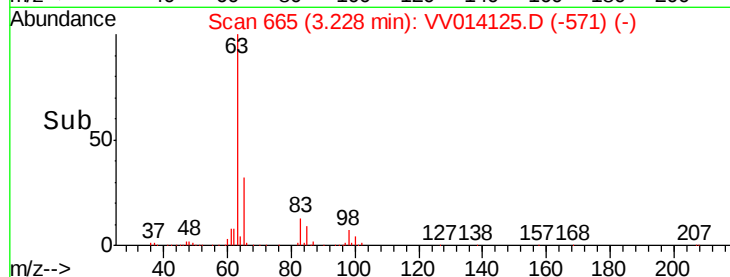
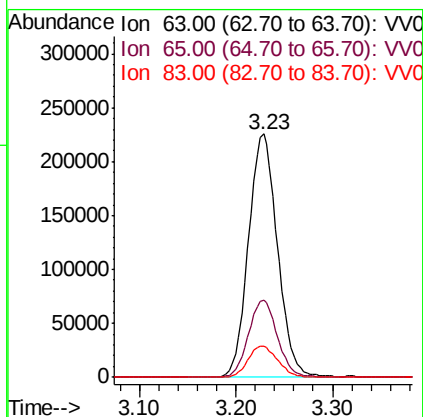
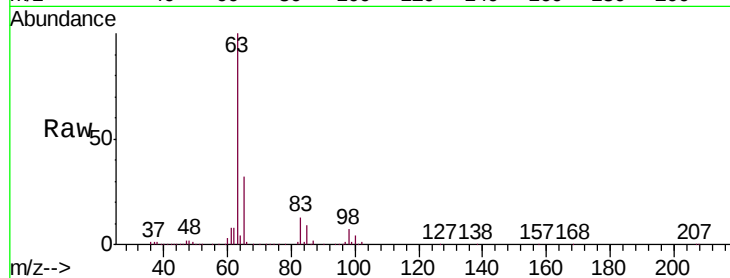




#19
 1,1-Dichloroethane
 Concen: 48.686 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014125.D
 Acq: 18 Dec 2019 17:29

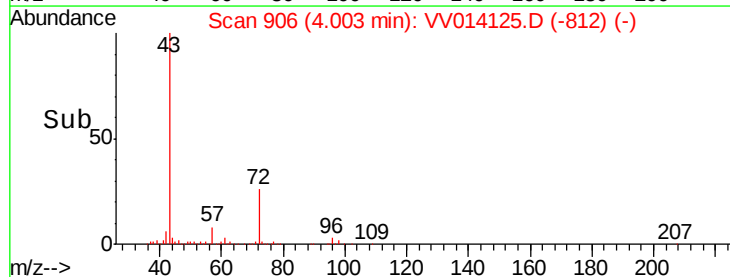
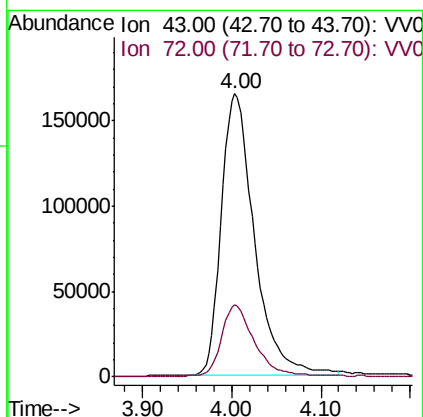
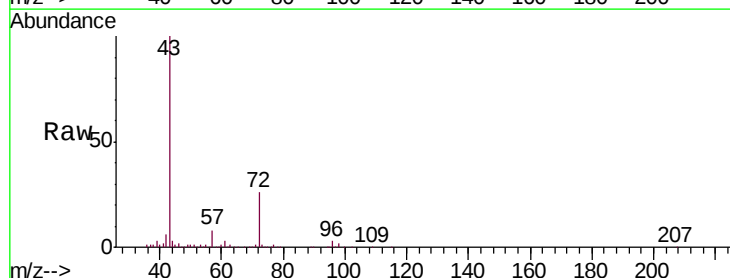
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

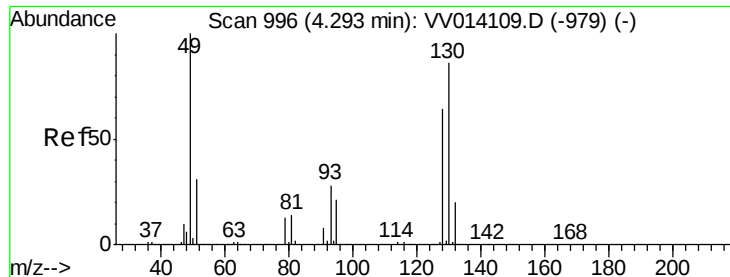
Tgt Ion: 63 Resp: 469667
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.5 39.9
 83 12.9 9.7 18.1



#22
 2-Butanone
 Concen: 98.912 ug/L
 RT: 4.00 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: VV014125.D
 Acq: 18 Dec 2019 17:29

Tgt Ion: 43 Resp: 426765
 Ion Ratio Lower Upper
 43 100
 72 25.7 14.1 42.2

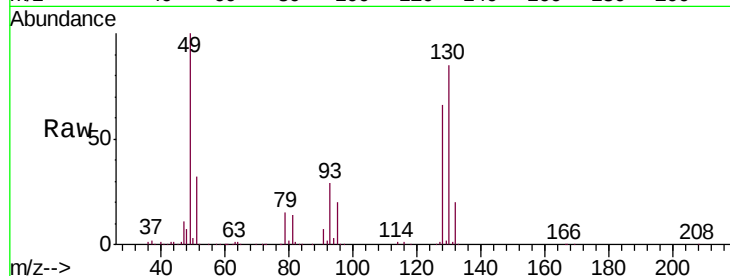




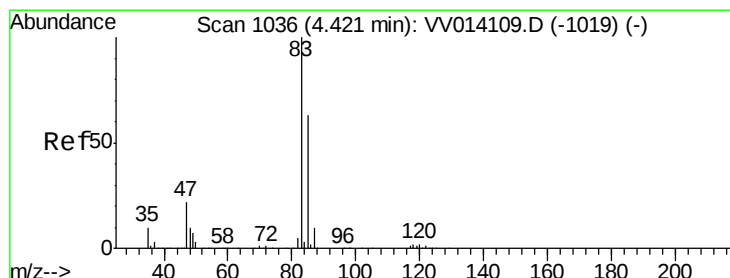
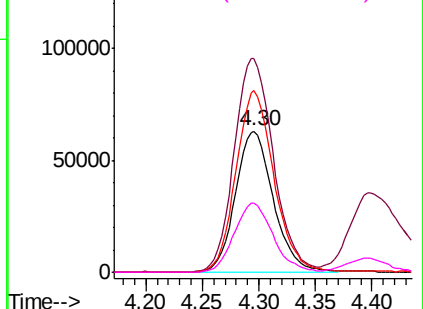
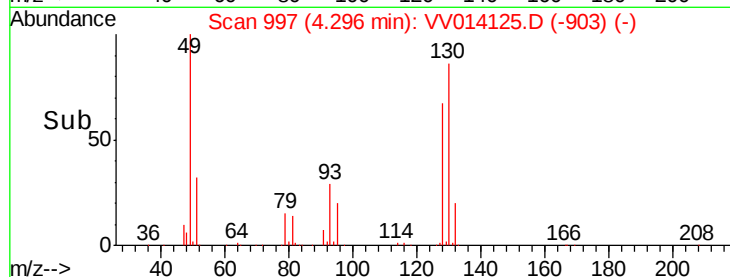
#23
Bromochloromethane
Concen: 45.885 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tgt Ion:128 Resp: 146997
Ion Ratio Lower Upper
128 100
49 151.1 100.4 186.4
130 129.1 88.3 163.9
51 48.8 35.8 53.8

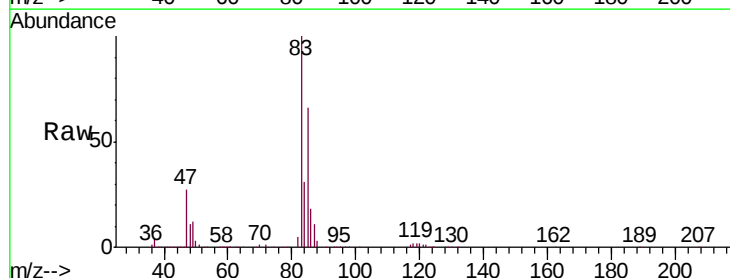


Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

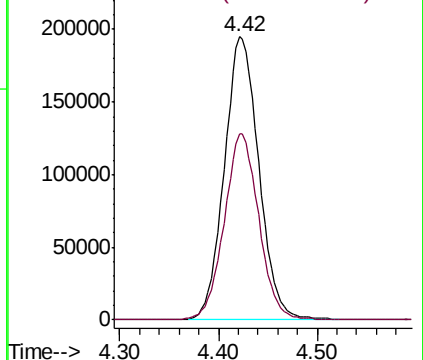
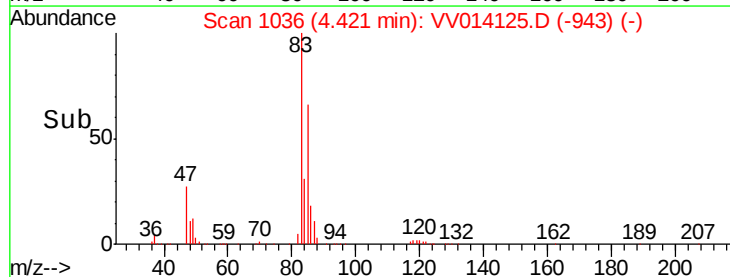


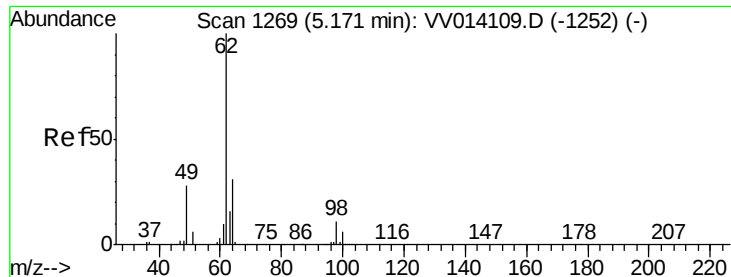
#25
Chloroform
Concen: 46.180 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

Tgt Ion: 83 Resp: 476256
Ion Ratio Lower Upper
83 100
85 65.6 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

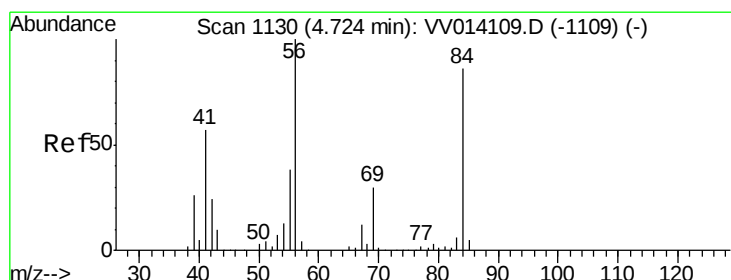
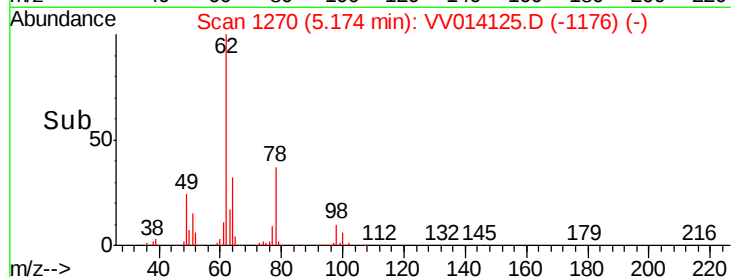
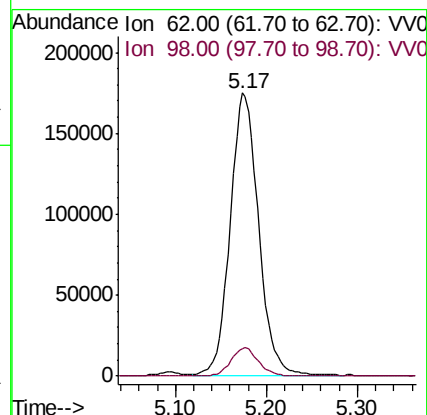
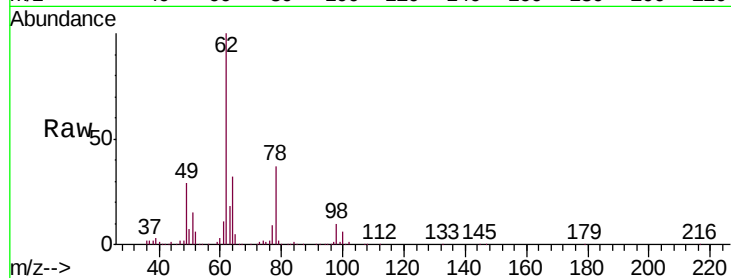




#27
1,2-Dichloroethane
Concen: 50.957 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

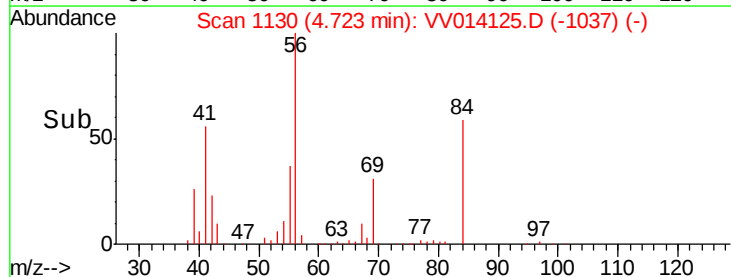
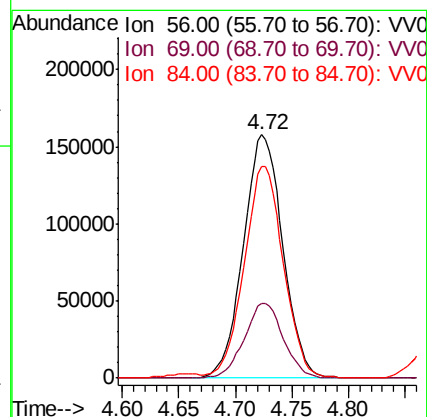
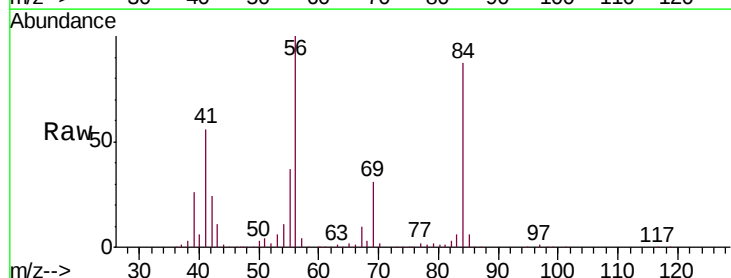
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

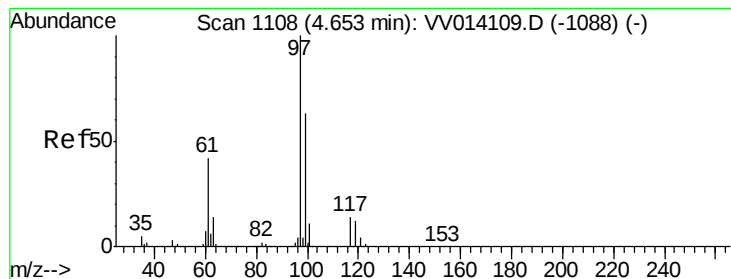
Tgt Ion: 62 Resp: 378676
Ion Ratio Lower Upper
62 100
98 9.9 8.5 12.7



#29
Cyclohexane
Concen: 45.378 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

Tgt Ion: 56 Resp: 381545
Ion Ratio Lower Upper
56 100
69 30.5 24.9 37.3
84 86.1 71.0 106.4





#30

1,1,1-Trichloroethane

Concen: 45.178 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

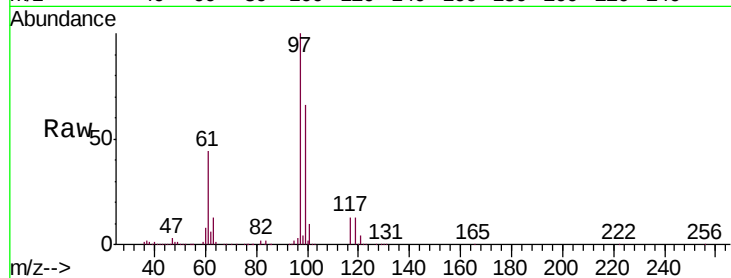
Tgt Ion: 97 Resp: 392510

Ion Ratio Lower Upper

97 100

99 65.6 51.4 77.2

61 44.4 33.2 49.8

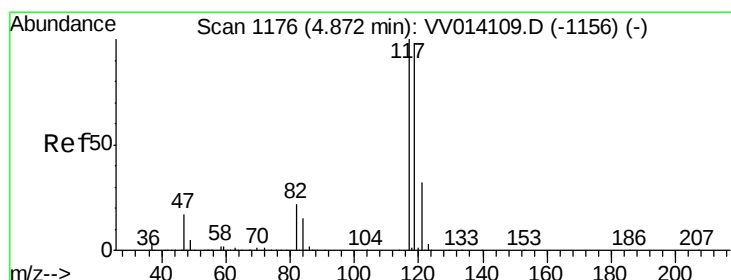
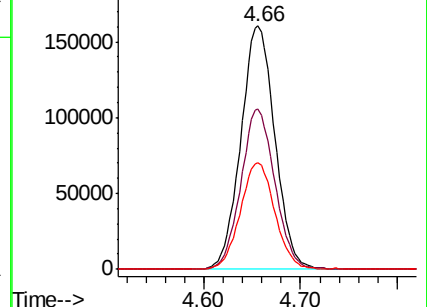
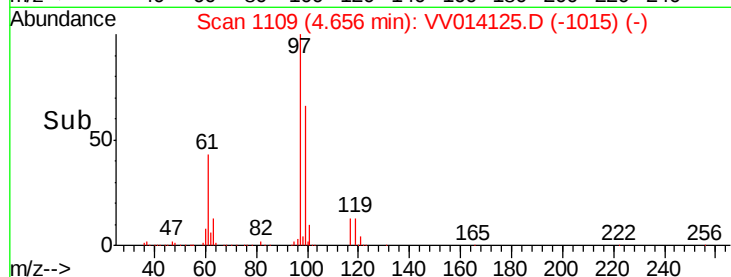


Abundance Ion 97.00 (96.70 to 97.70): VV014109.D (-1088) (-)

Ion 99.00 (98.70 to 99.70): VV014109.D (-1088) (-)

Ion 61.05 (60.75 to 61.75): VV014109.D (-1088) (-)

Time-->



#31

Carbon tetrachloride

Concen: 45.383 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014125.D

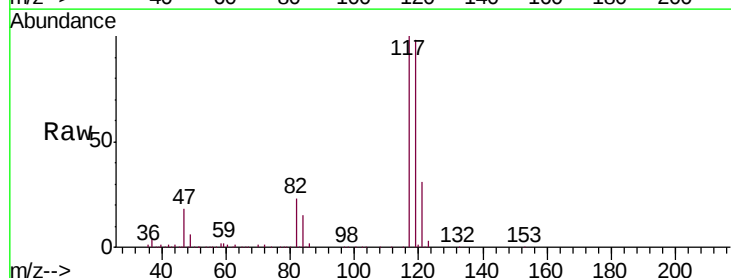
Acq: 18 Dec 2019 17:29

Tgt Ion: 117 Resp: 352214

Ion Ratio Lower Upper

117 100

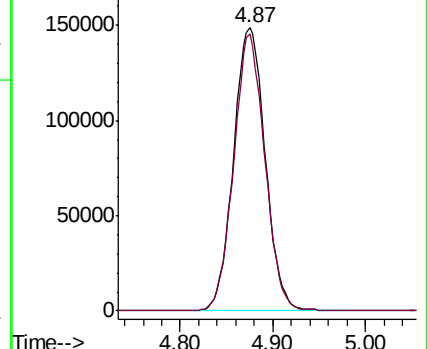
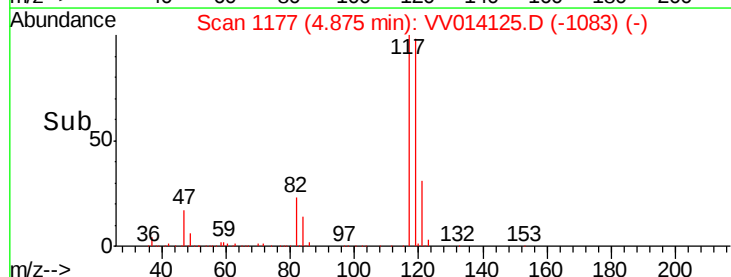
119 95.5 77.9 116.9

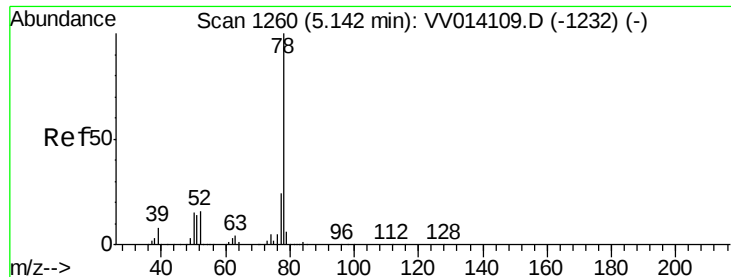


Abundance Ion 117.00 (116.70 to 117.70): VV014109.D (-1156) (-)

Ion 119.00 (118.70 to 119.70): VV014109.D (-1156) (-)

Time-->





#33

Benzene

Concen: 47.975 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

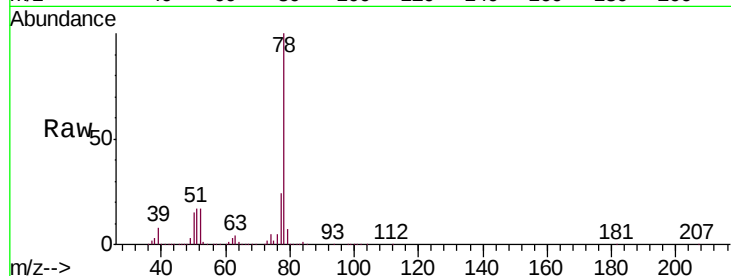
Instrument :

MSVOA_V

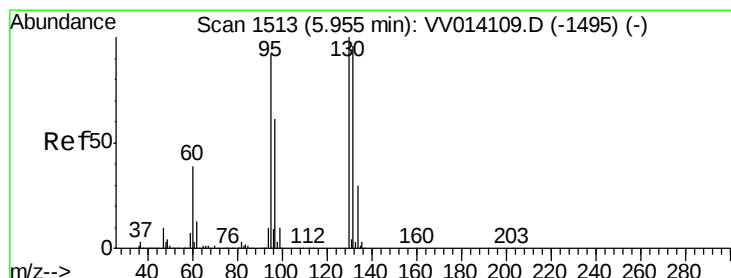
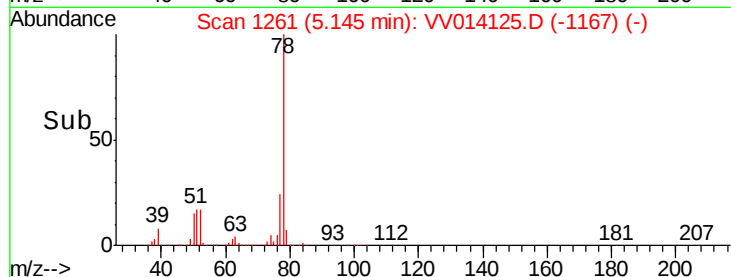
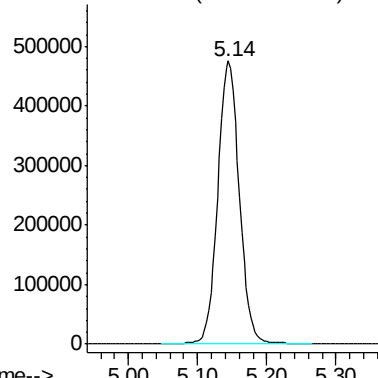
ClientSampleId :

VSTD05087

Tgt Ion: 78 Resp: 1028203



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 43.037 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Tgt Ion: 95 Resp: 247387

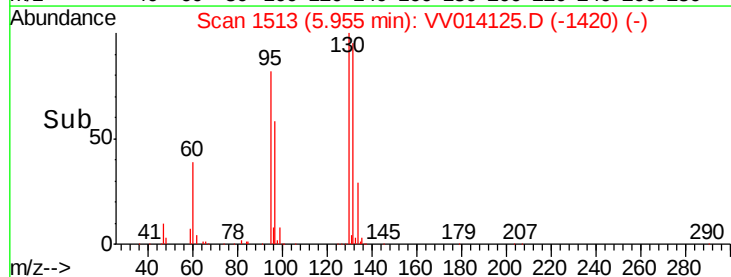
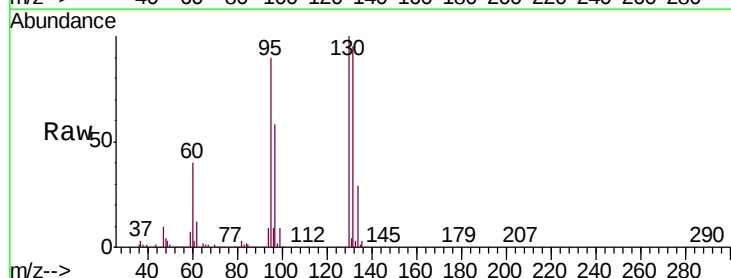
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.4	84.4
132	105.0	73.7	136.9
130	111.0	77.1	143.1

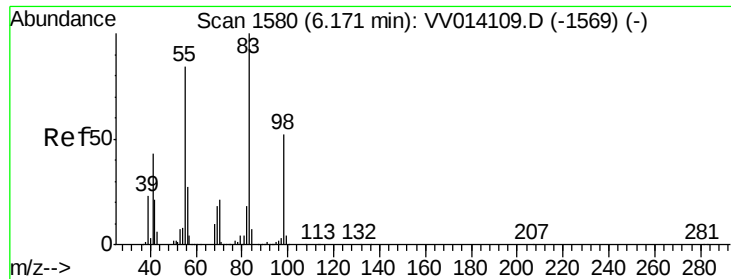
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

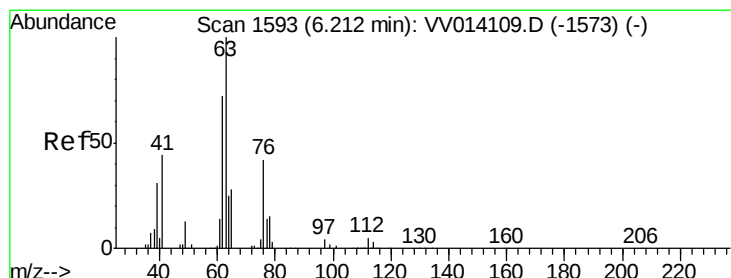
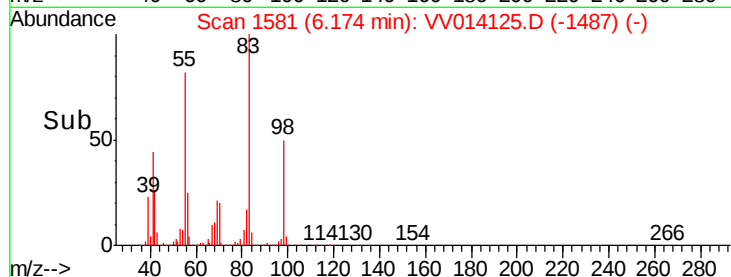
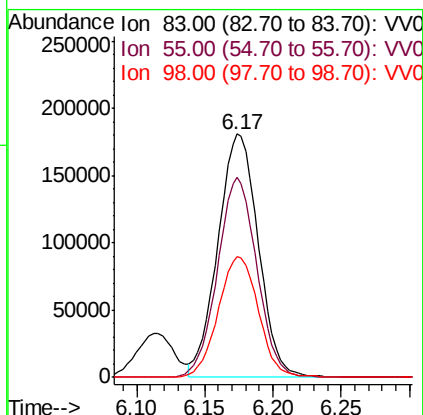
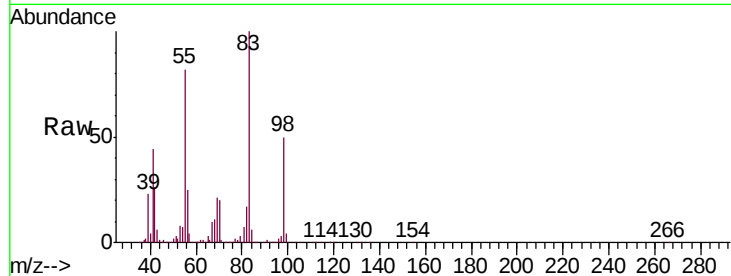




#35
Methylcyclohexane
Concen: 42.895 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

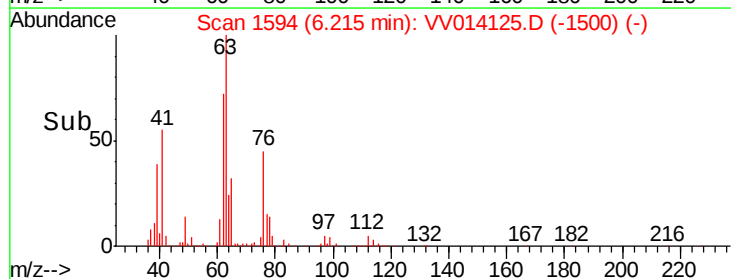
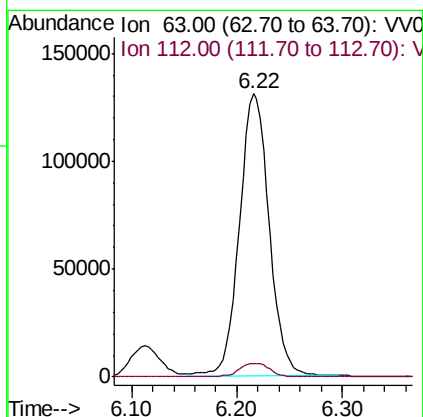
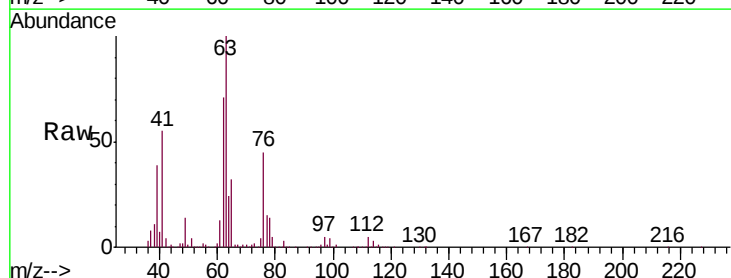
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

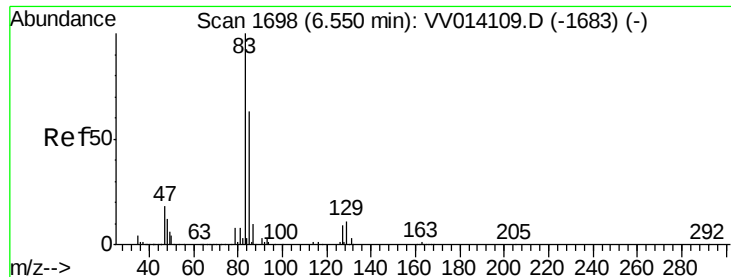
Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.1	61.0	91.4
98	49.7	39.6	59.4



#37
1,2-Dichloropropane
Concen: 49.420 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

Tgt Ion	Ratio	Lower	Upper
63	100		
112	5.1	4.2	6.2





#38

Bromodichloromethane

Concen: 48.609 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

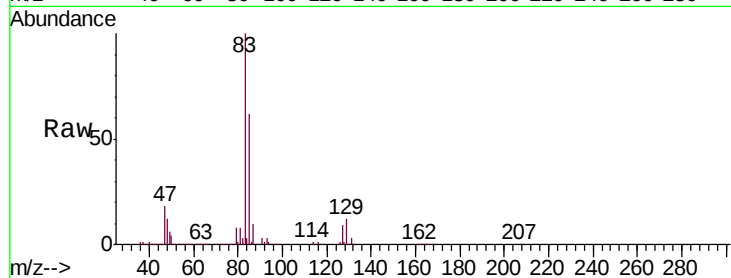
Tgt Ion: 83 Resp: 357576

Ion Ratio Lower Upper

83 100

85 62.3 44.8 83.2

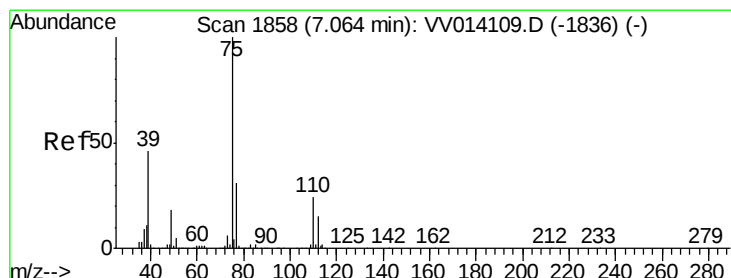
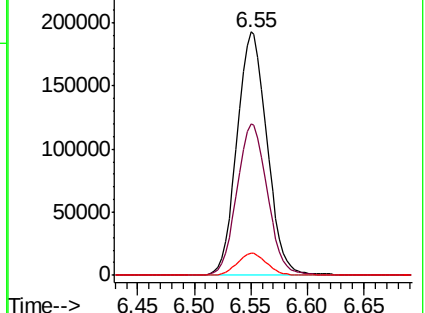
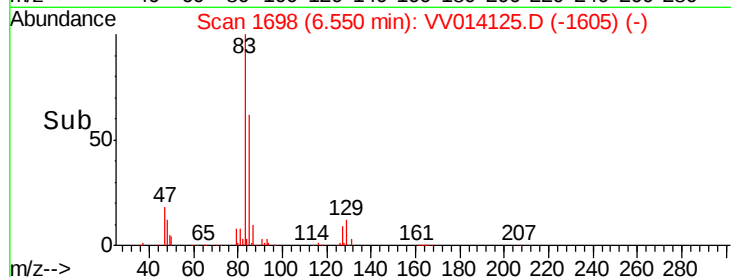
127 9.1 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV014125.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VV014125.D (-1605) (-)

Ion 127.00 (126.70 to 127.70): VV014125.D (-1605) (-)



#39

cis-1,3-Dichloropropene

Concen: 47.472 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014125.D

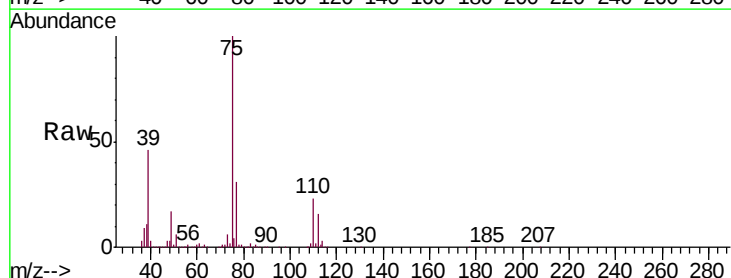
Acq: 18 Dec 2019 17:29

Tgt Ion: 75 Resp: 387655

Ion Ratio Lower Upper

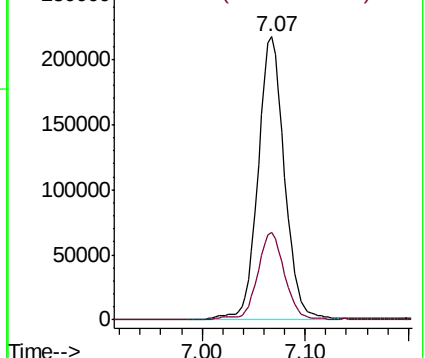
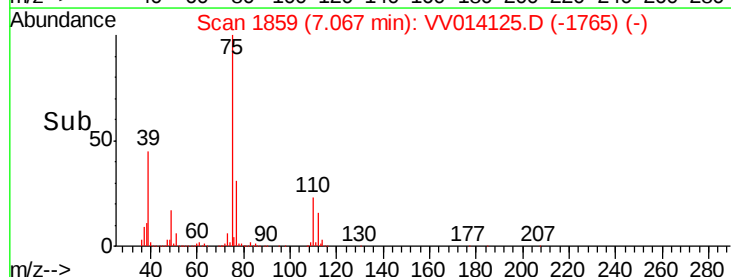
75 100

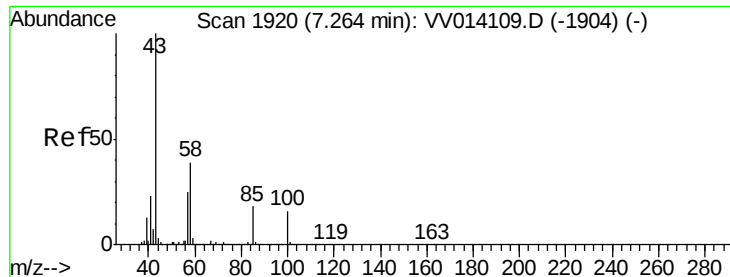
77 30.8 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV014125.D (-1765) (-)

Ion 77.00 (76.70 to 77.70): VV014125.D (-1765) (-)

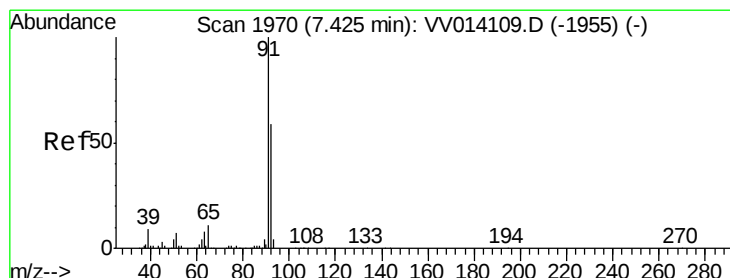
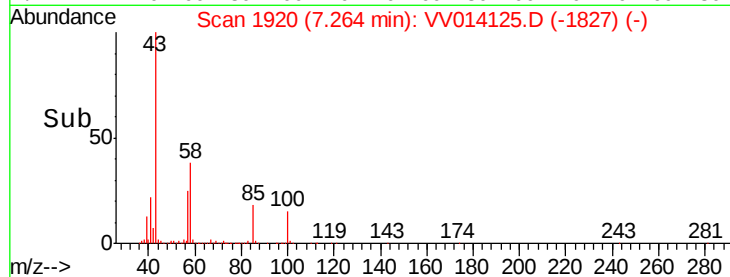
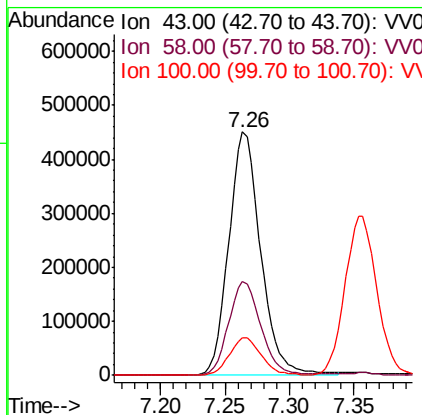
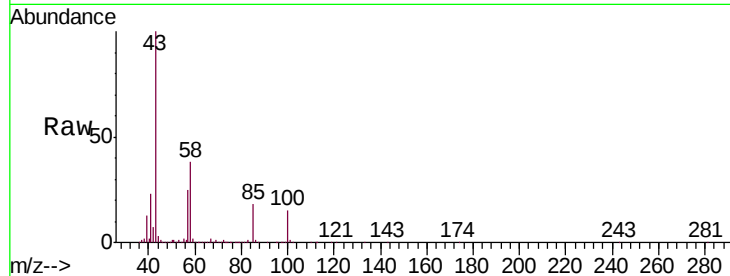




#40
 4-Methyl-2-pentanone
 Concen: 115.065 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV014125.D
 Acq: 18 Dec 2019 17:29

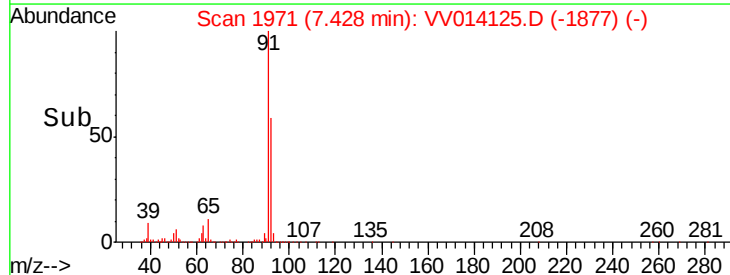
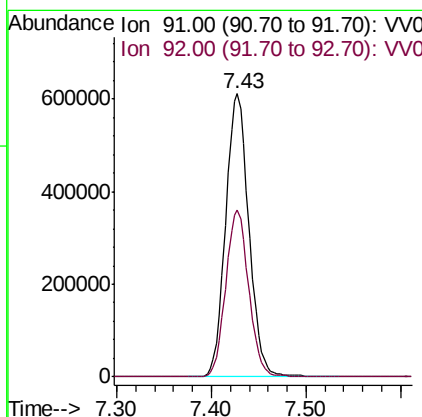
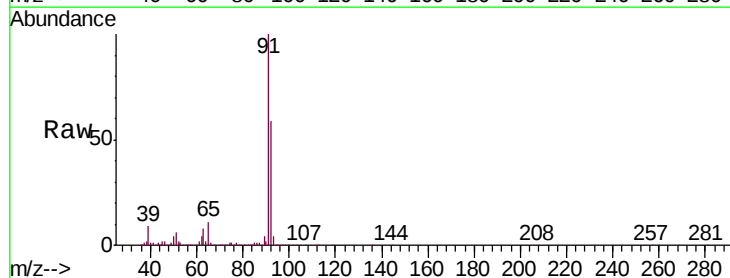
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

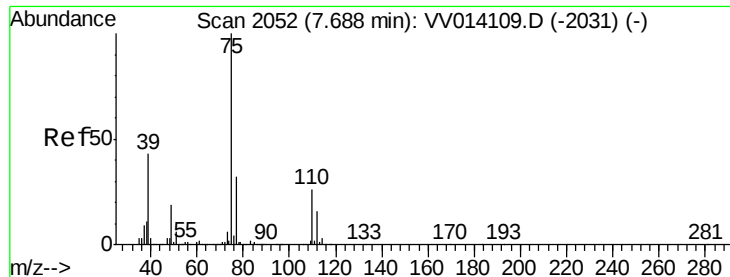
Tgt Ion: 43 Resp: 776121
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.9 47.9
 100 15.5 13.7 20.5



#42
 Toluene
 Concen: 47.221 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VV014125.D
 Acq: 18 Dec 2019 17:29

Tgt Ion: 91 Resp: 1044191
 Ion Ratio Lower Upper
 91 100
 92 58.8 41.4 77.0





#44

trans-1,3-Dichloropropene

Concen: 48.542 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

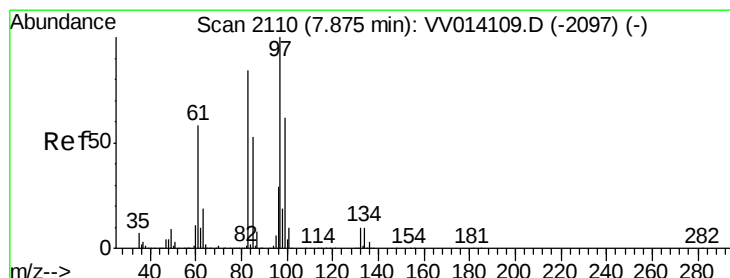
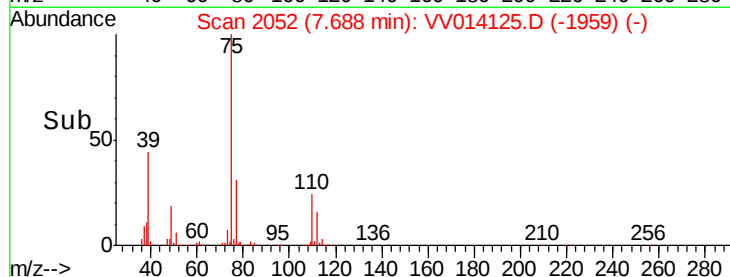
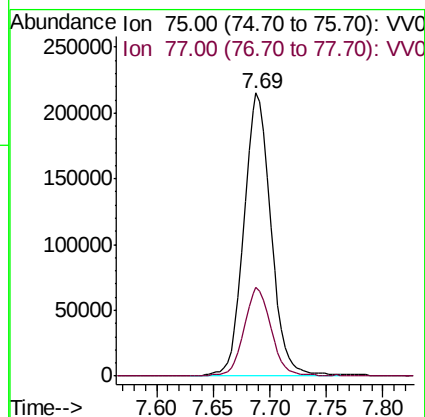
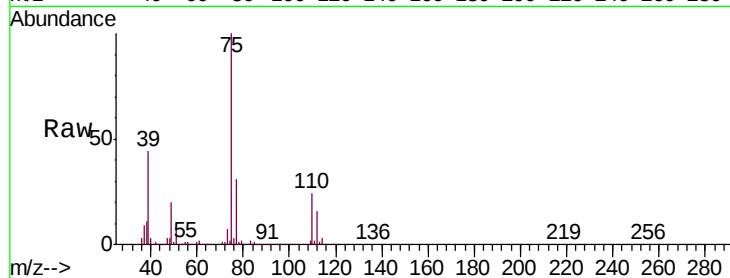
VSTD05087

Tgt Ion: 75 Resp: 358949

Ion Ratio Lower Upper

75 100

77 31.2 22.9 42.5



#45

1,1,2-Trichloroethane

Concen: 51.027 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Tgt Ion: 97 Resp: 262728

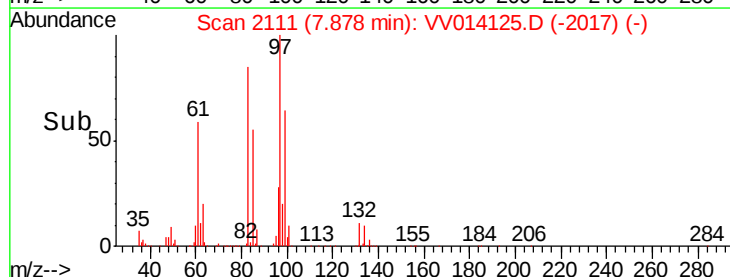
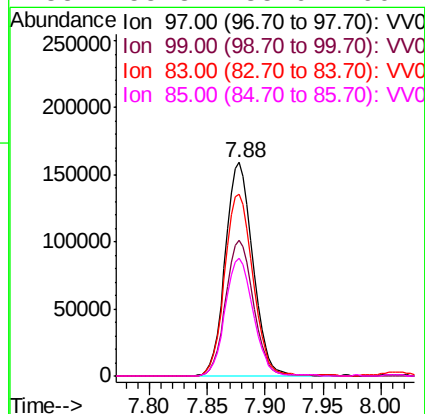
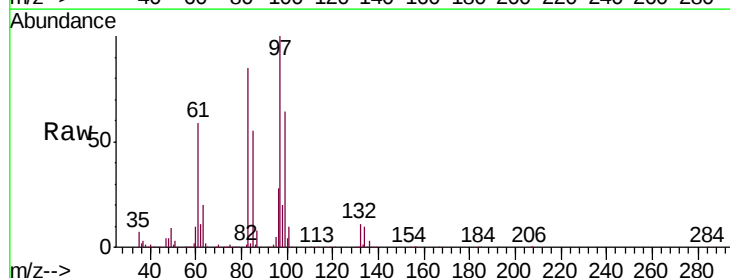
Ion Ratio Lower Upper

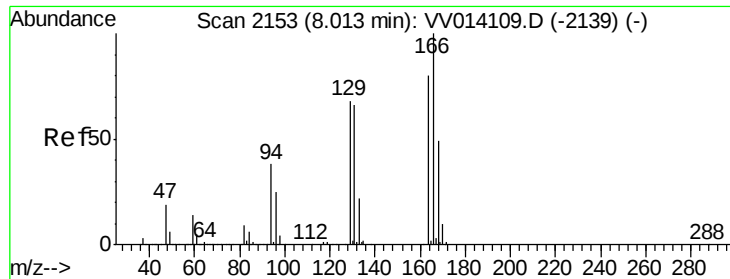
97 100

99 63.7 43.0 80.0

83 85.3 57.5 106.9

85 55.3 35.6 66.2

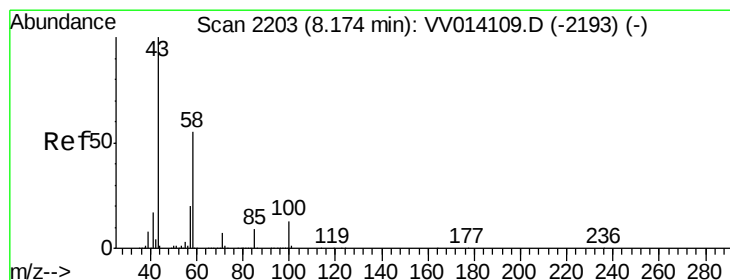
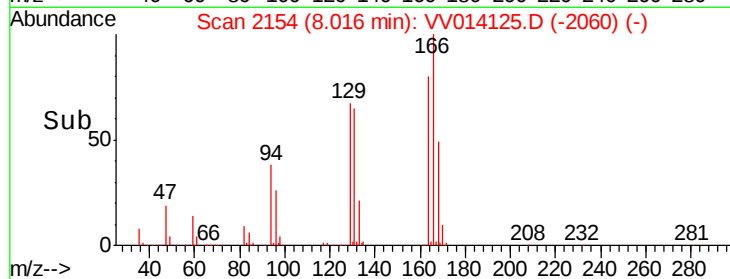
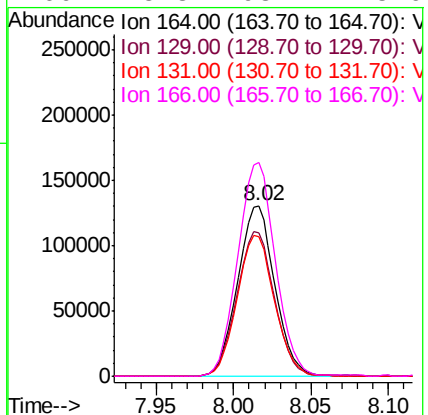
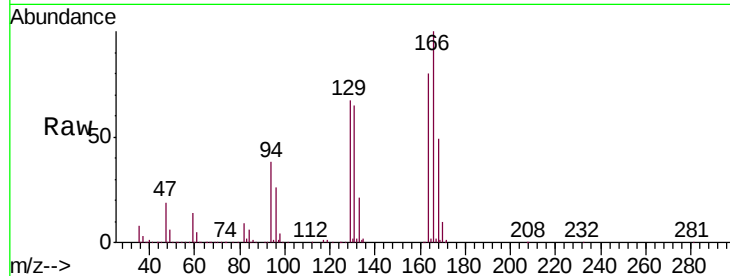




#46
Tetrachloroethene
Concen: 42.128 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

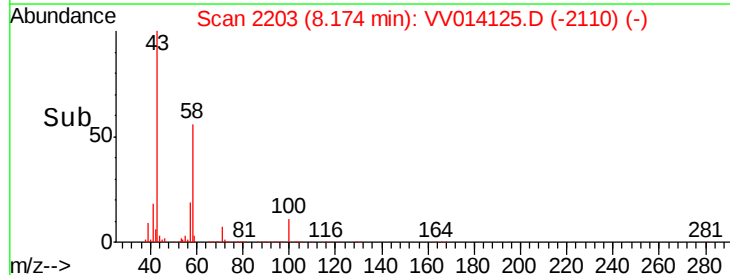
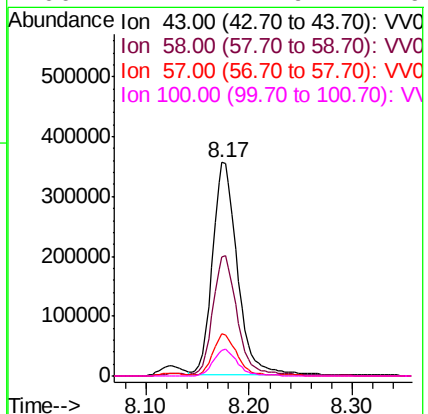
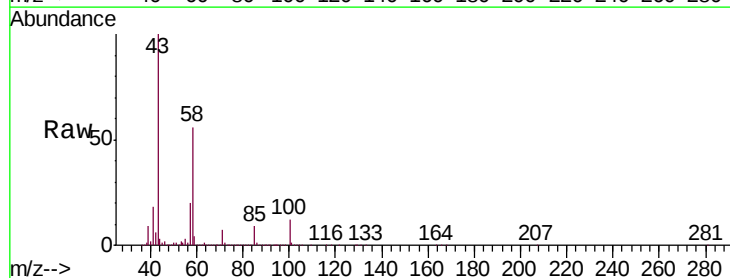
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

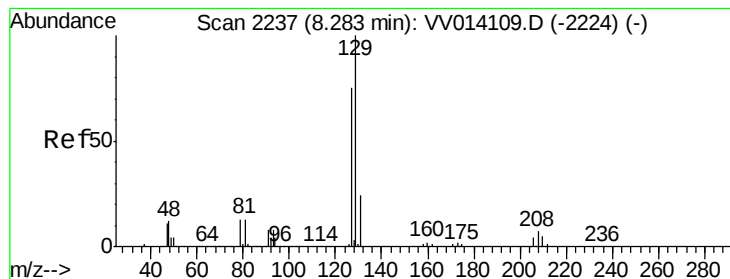
Tgt Ion:	164	Resp:	218521
Ion	Ratio	Lower	Upper
164	100		
129	83.9	61.7	114.7
131	81.9	58.4	108.6
166	125.3	93.4	173.6



#48
2-Hexanone
Concen: 109.877 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

Tgt Ion:	43	Resp:	592861
Ion	Ratio	Lower	Upper
43	100		
58	55.2	48.4	72.6
57	19.2	16.6	24.8
100	12.4	11.9	17.9





#49

Dibromochloromethane

Concen: 47.743 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

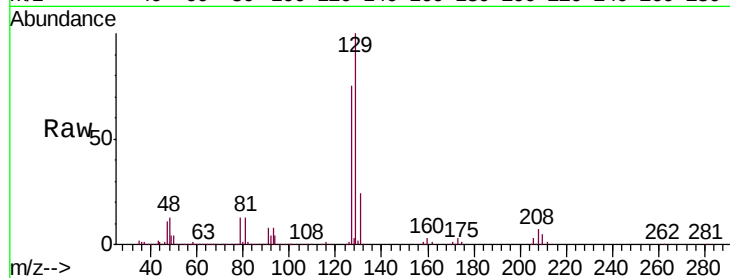
VSTD05087

Tgt Ion:129 Resp: 300488

Ion Ratio Lower Upper

129 100

127 74.9 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.29

200000

150000

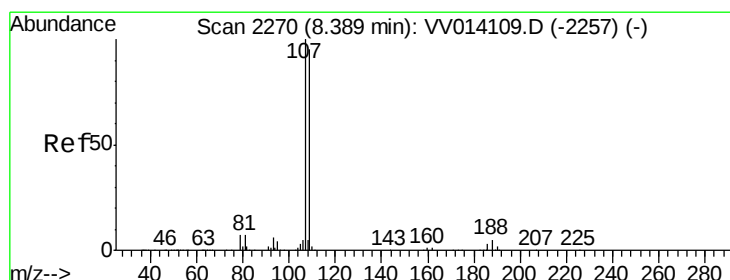
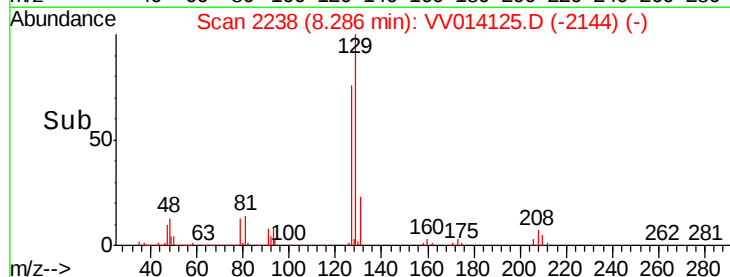
100000

50000

0

8.20 8.25 8.30 8.35

Time-->



#50

1,2-Dibromoethane

Concen: 48.056 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

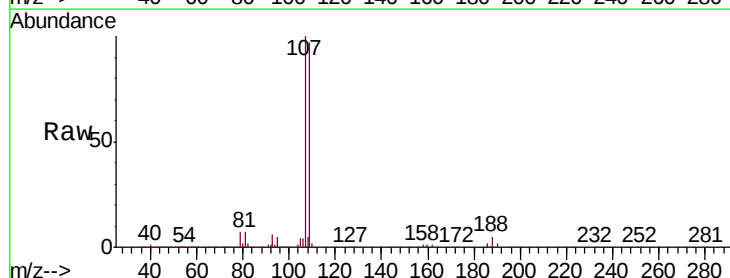
Tgt Ion:107 Resp: 272570

Ion Ratio Lower Upper

107 100

109 96.7 65.9 122.5

188 4.5 3.6 5.4



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

200000

150000

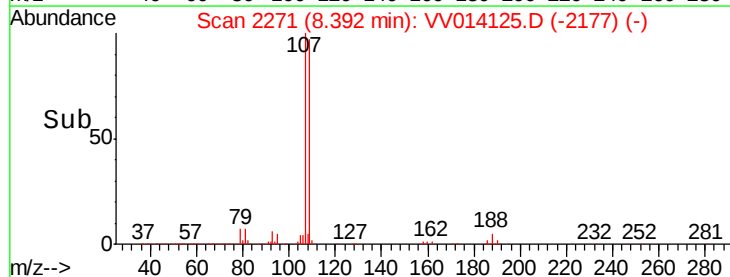
100000

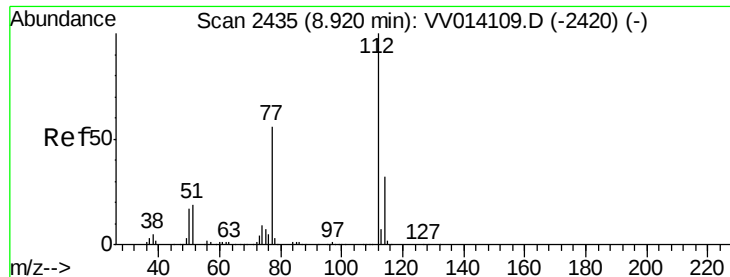
50000

0

8.30 8.35 8.40 8.45

Time-->





#51

Chlorobenzene

Concen: 45.197 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

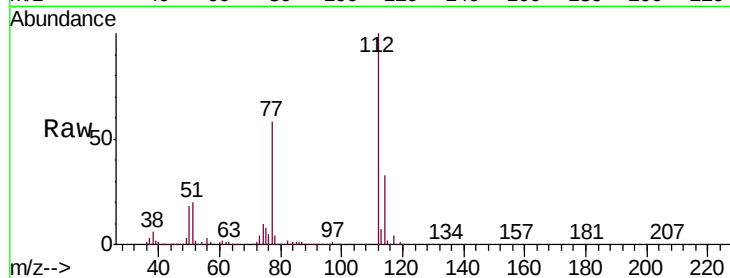
Tgt Ion: 112 Resp: 689525

Ion Ratio Lower Upper

112 100

114 33.1 23.2 43.2

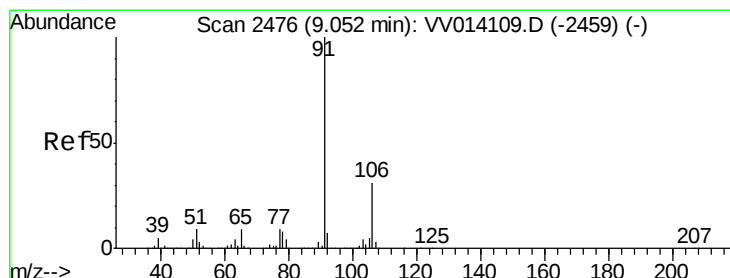
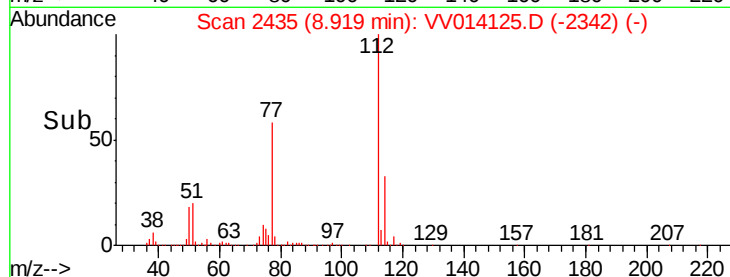
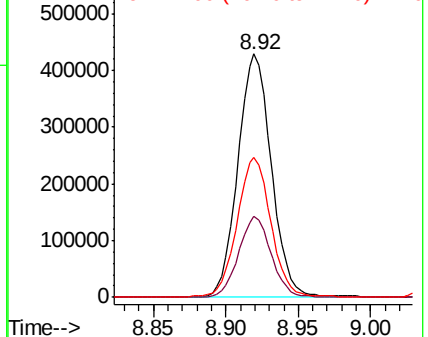
77 57.6 45.0 67.4



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: 46.352 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014125.D

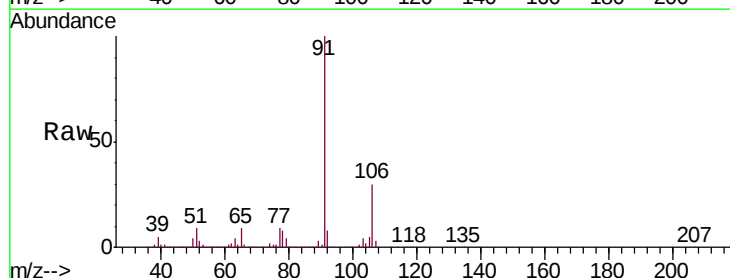
Acq: 18 Dec 2019 17:29

Tgt Ion: 91 Resp: 1129946

Ion Ratio Lower Upper

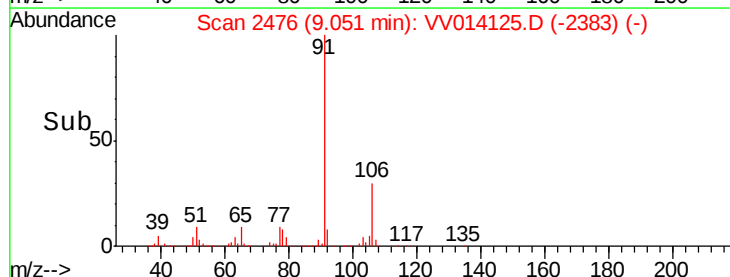
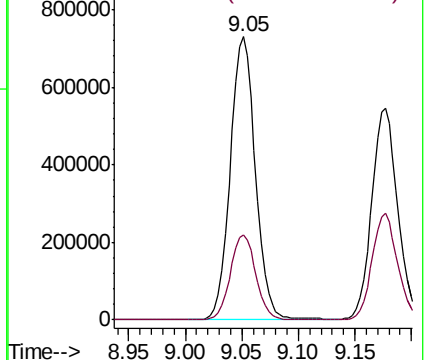
91 100

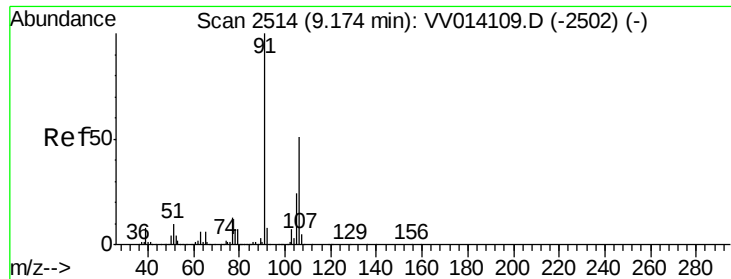
106 29.9 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 45.505 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

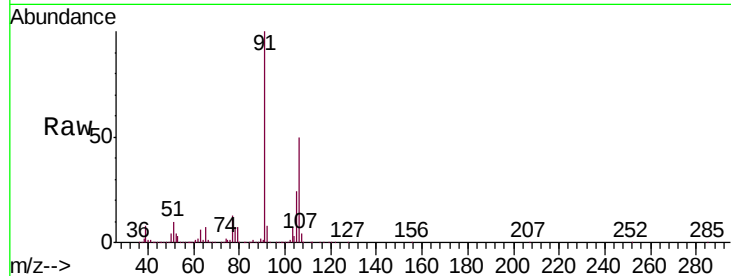
VSTD05087

Tgt Ion:106 Resp: 428965

Ion Ratio Lower Upper

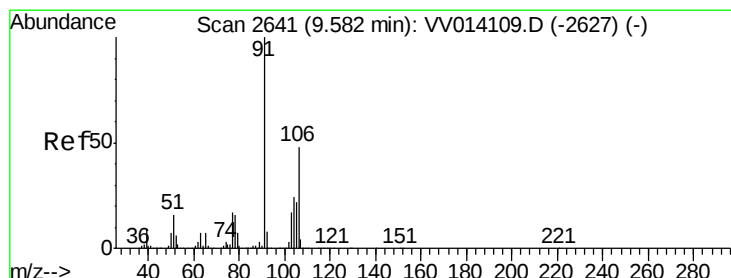
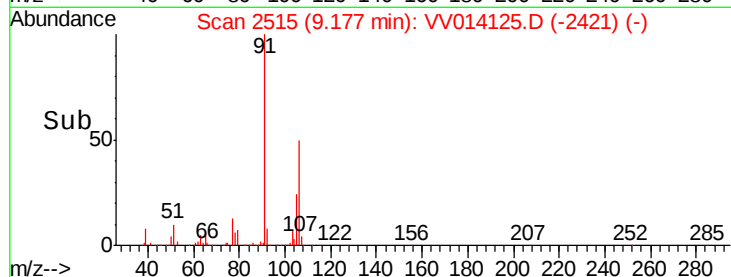
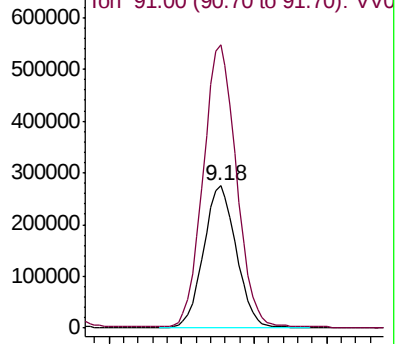
106 100

91 198.7 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 46.904 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014125.D

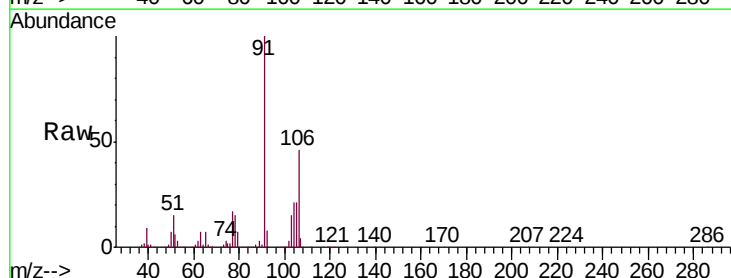
Acq: 18 Dec 2019 17:29

Tgt Ion:106 Resp: 432316

Ion Ratio Lower Upper

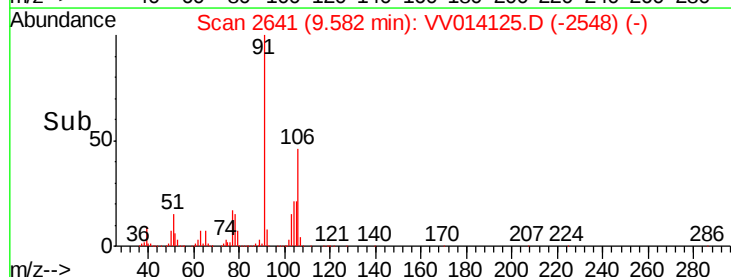
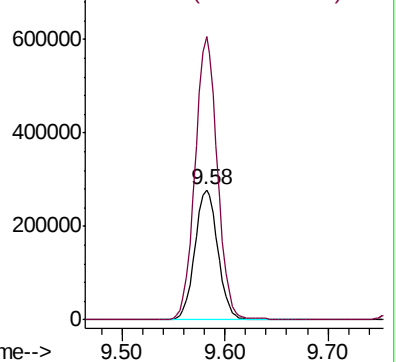
106 100

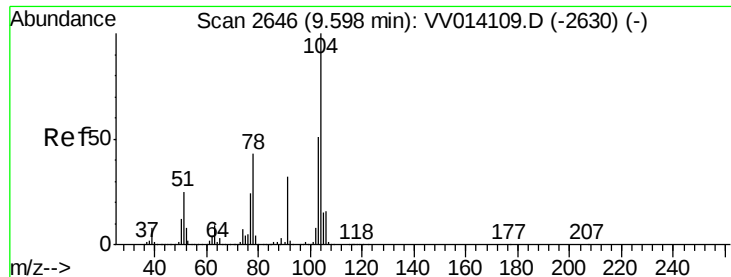
91 217.3 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

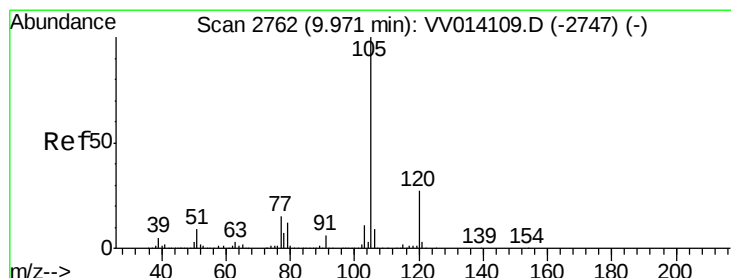
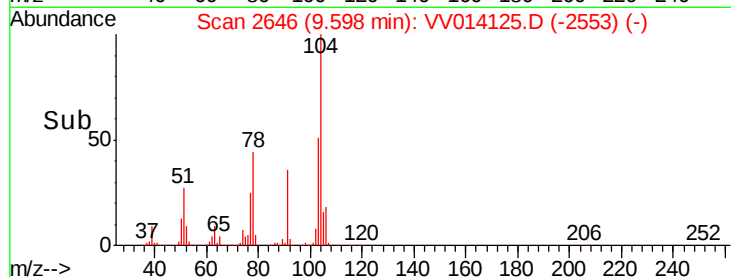
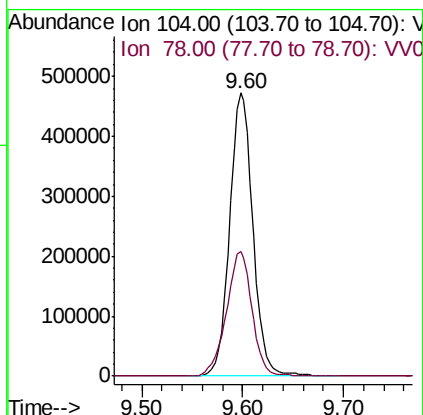
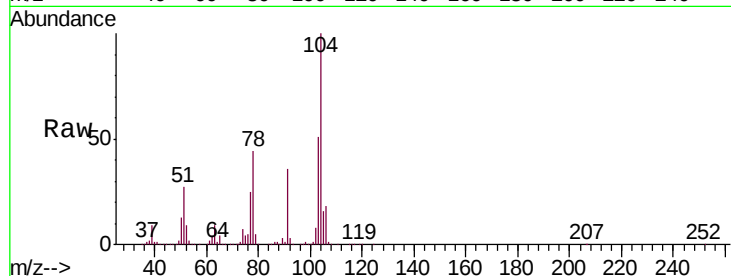




#55
Styrene
Concen: 47.760 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

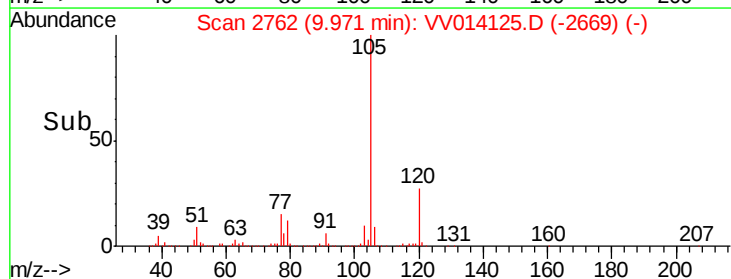
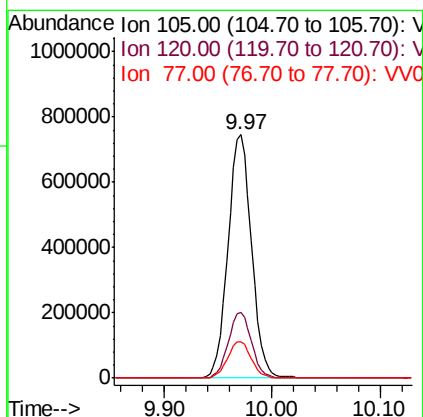
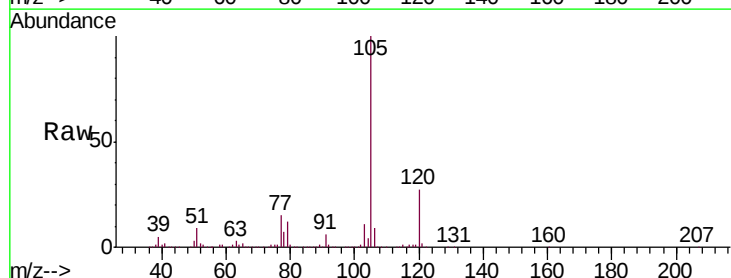
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

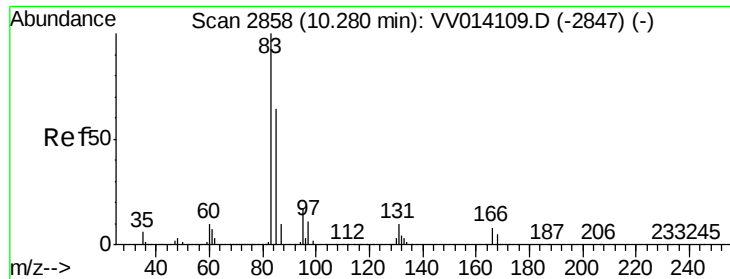
Tgt Ion:104 Resp: 759492
Ion Ratio Lower Upper
104 100
78 44.3 29.3 54.5



#56
Isopropylbenzene
Concen: 45.626 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV014125.D
Acq: 18 Dec 2019 17:29

Tgt Ion:105 Resp: 1130392
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.2
77 15.1 12.0 18.0





#58

1,1,2,2-Tetrachloroethane

Concen: 52.166 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

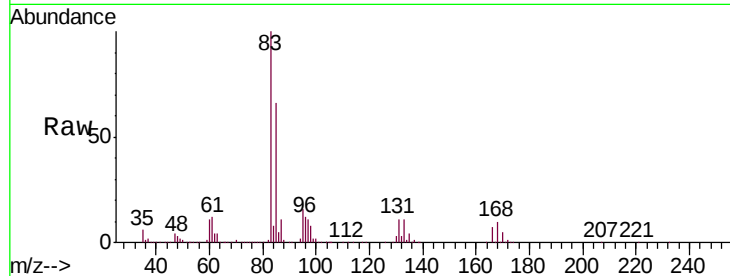
Tgt Ion: 83 Resp: 437260

Ion Ratio Lower Upper

83 100

85 65.9 44.1 81.9

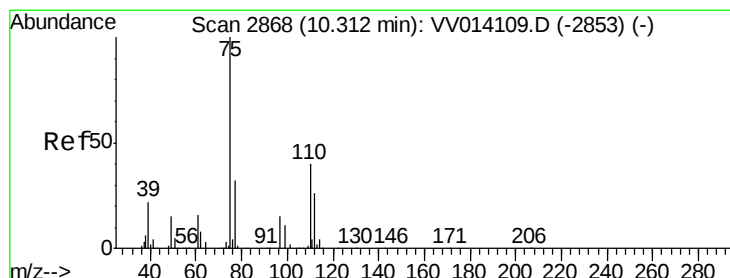
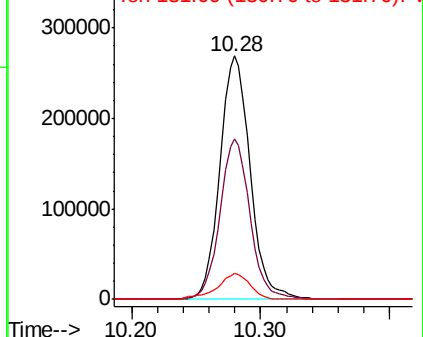
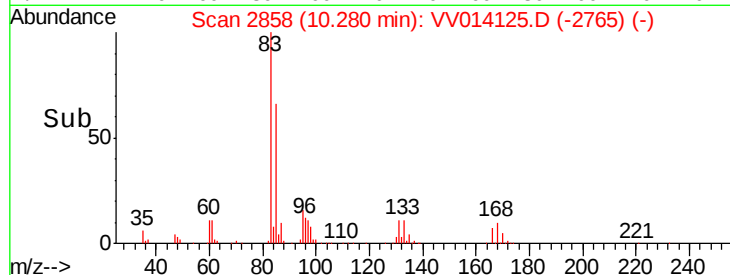
131 10.5 8.8 13.2



Abundance Ion 83.00 (82.70 to 83.70): VV014125.D (-2765) (-)

Ion 85.00 (84.70 to 85.70): VV014125.D (-2765) (-)

Ion 131.00 (130.70 to 131.70): VV014125.D (-2765) (-)



#59

1,2,3-Trichloropropane

Concen: 50.123 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014125.D

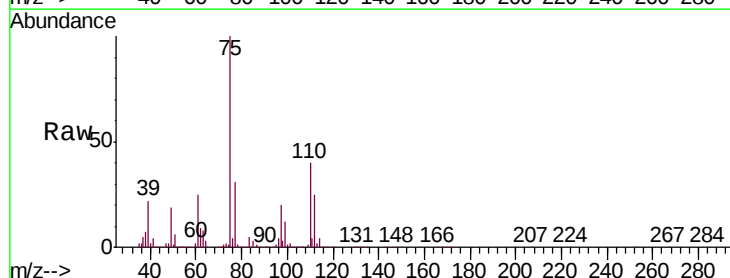
Acq: 18 Dec 2019 17:29

Tgt Ion: 75 Resp: 351837

Ion Ratio Lower Upper

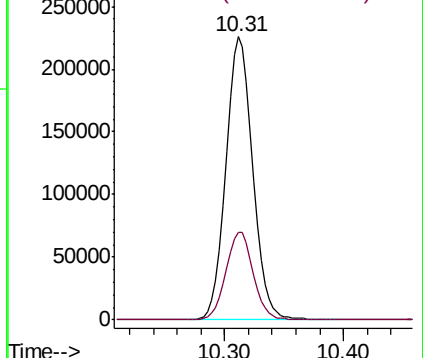
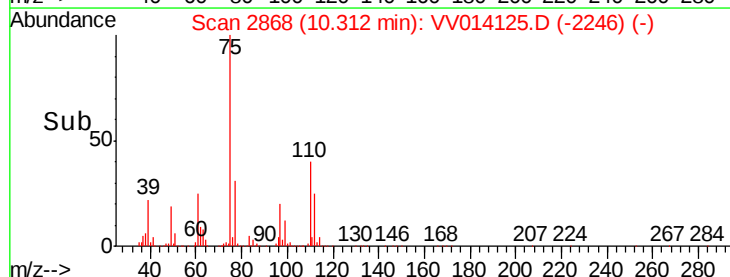
75 100

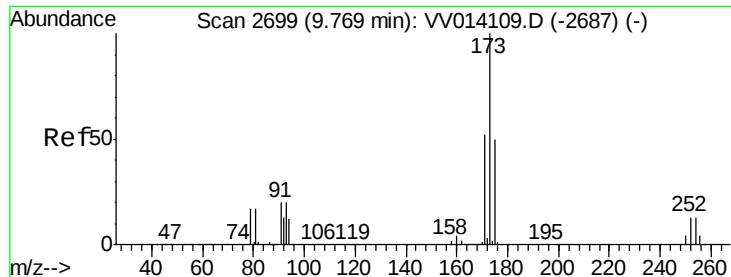
77 31.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV014125.D (-2246) (-)

Ion 77.00 (76.70 to 77.70): VV014125.D (-2246) (-)

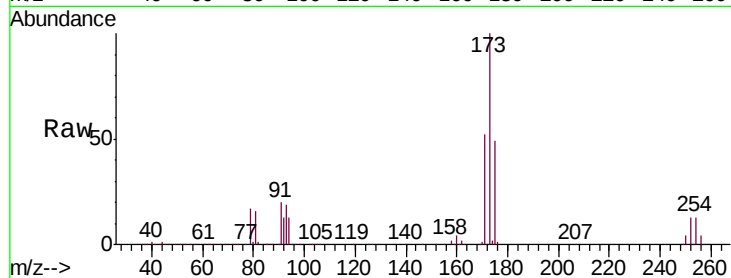




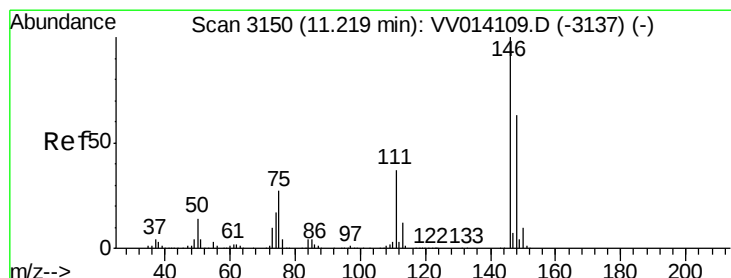
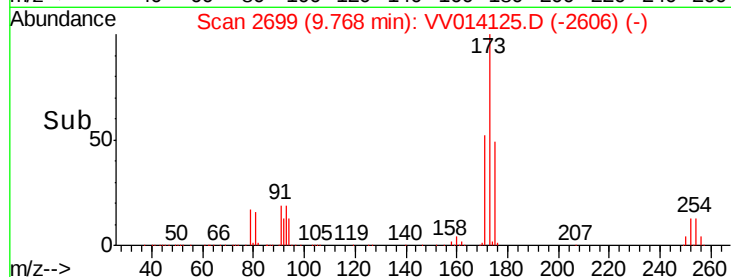
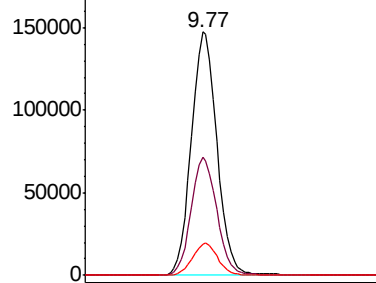
#61
 Bromoform
 Concen: 50.453 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV014125.D
 Acq: 18 Dec 2019 17:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tgt Ion:	173	Resp:	238080
Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.4	57.6
254	13.0	10.5	15.7

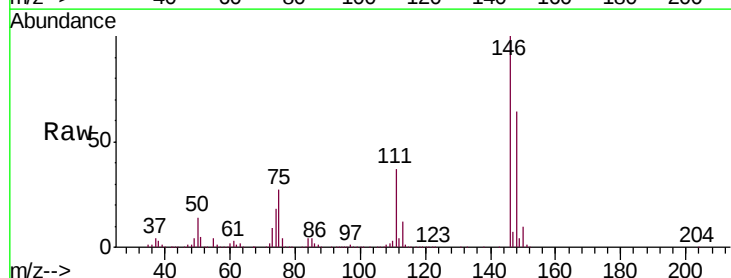


Abundance Ion 173.00 (172.70 to 173.70): V
 Ion 175.00 (174.70 to 175.70): V
 Ion 254.00 (253.70 to 254.70): V

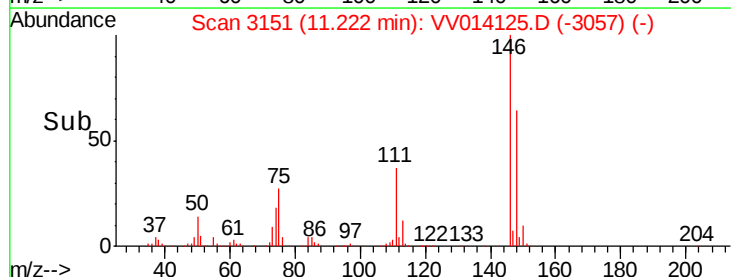
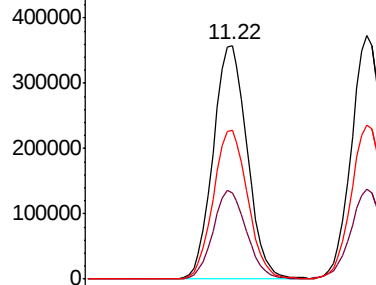


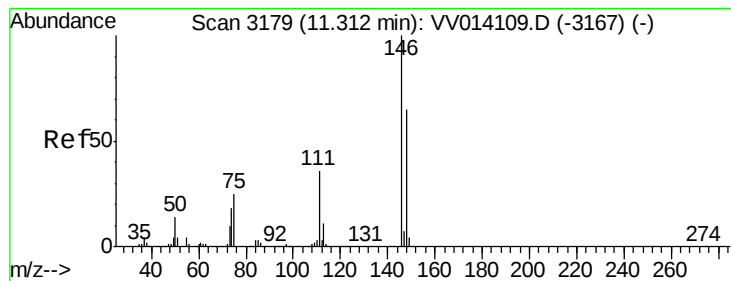
#62
 1,3-Dichlorobenzene
 Concen: 44.852 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014125.D
 Acq: 18 Dec 2019 17:29

Tgt Ion:	146	Resp:	567725
Ion	Ratio	Lower	Upper
146	100		
111	37.2	25.8	48.0
148	64.0	45.2	84.0



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: 43.688 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

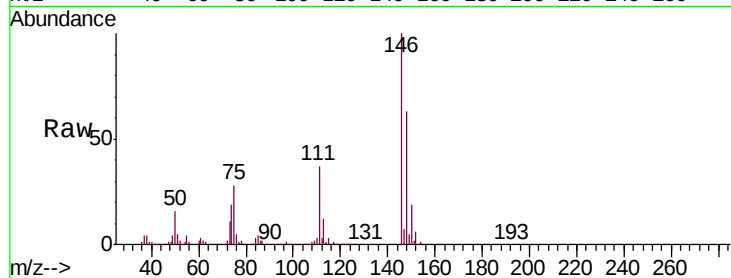
Tgt Ion:146 Resp: 571683

Ion Ratio Lower Upper

146 100

111 36.9 25.4 47.2

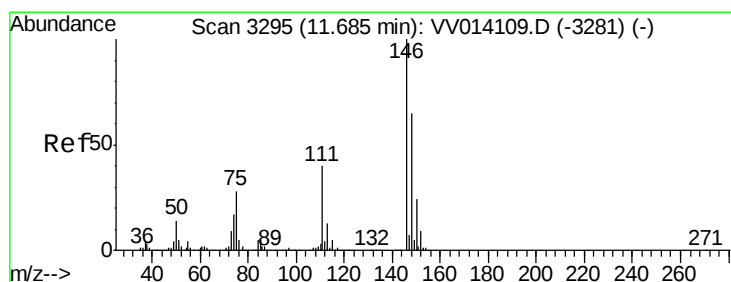
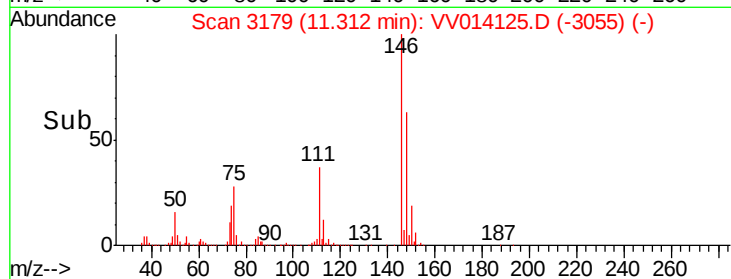
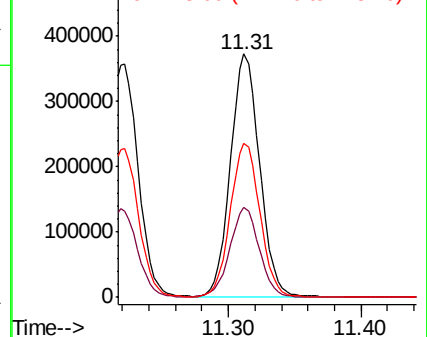
148 63.3 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 45.818 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

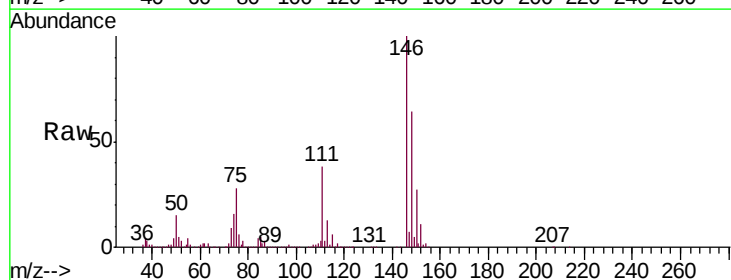
Tgt Ion:146 Resp: 580120

Ion Ratio Lower Upper

146 100

111 38.0 31.4 47.0

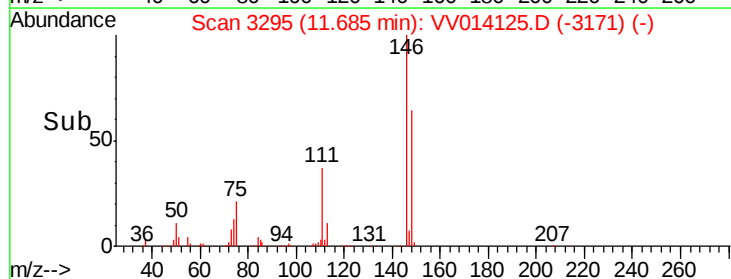
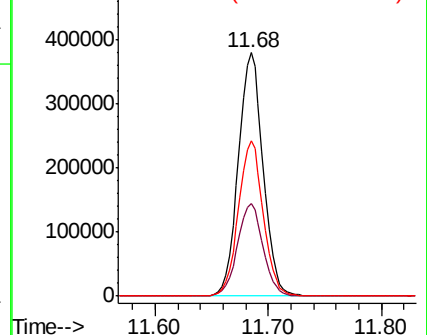
148 63.8 51.5 77.3

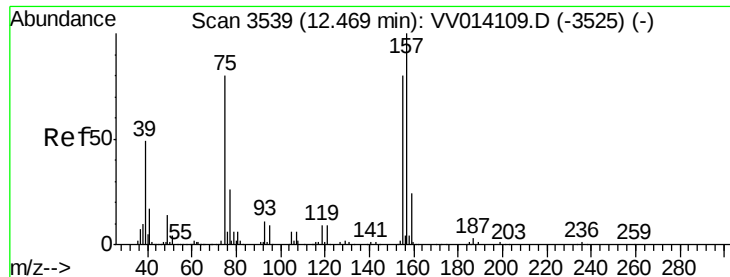


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 48.938 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

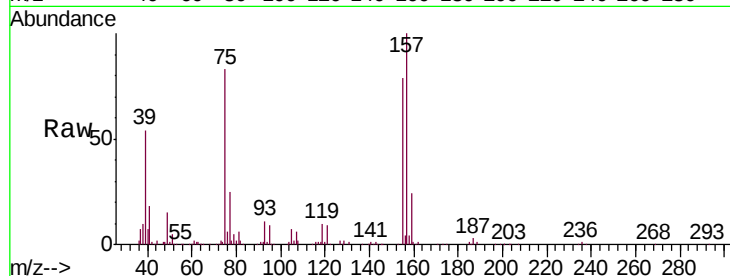
Tgt Ion: 75 Resp: 86113

Ion Ratio Lower Upper

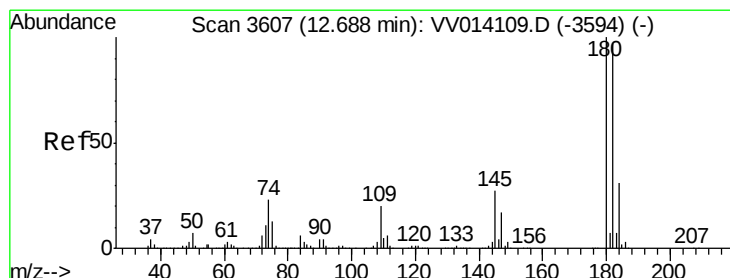
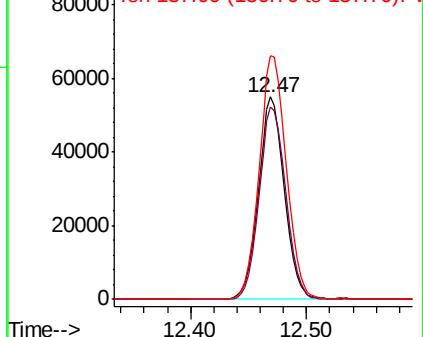
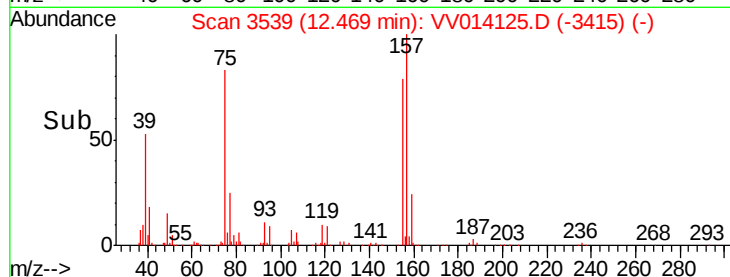
75 100

155 95.0 78.6 117.8

157 120.3 102.6 153.8



Abundance Ion 75.00 (74.70 to 75.70): VV014125.D (-3415) (-)



#67

1,3,5-Trichlorobenzene

Concen: 42.144 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Tgt Ion: 180 Resp: 433197

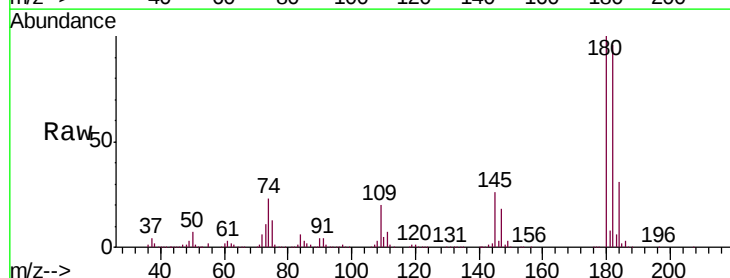
Ion Ratio Lower Upper

180 100

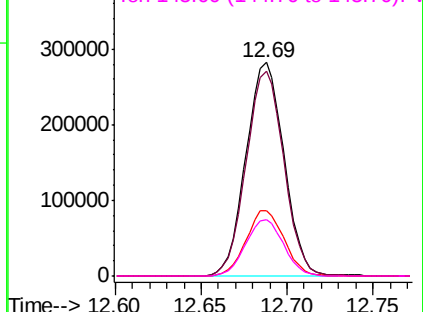
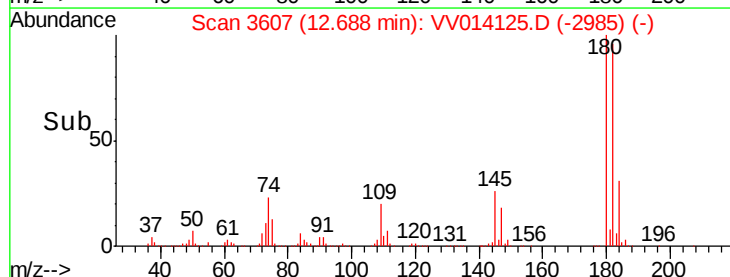
182 95.6 76.2 114.4

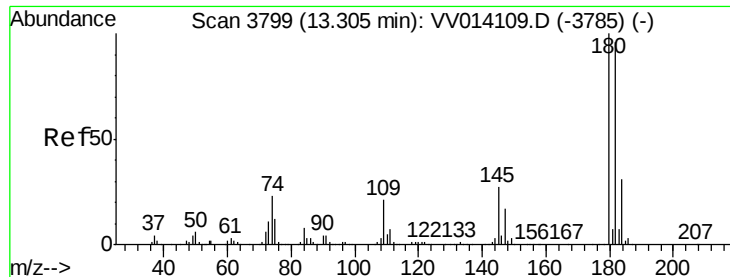
184 30.7 24.2 36.4

145 26.5 21.1 31.7



Abundance Ion 180.00 (179.70 to 180.70): VV014125.D (-2985) (-)

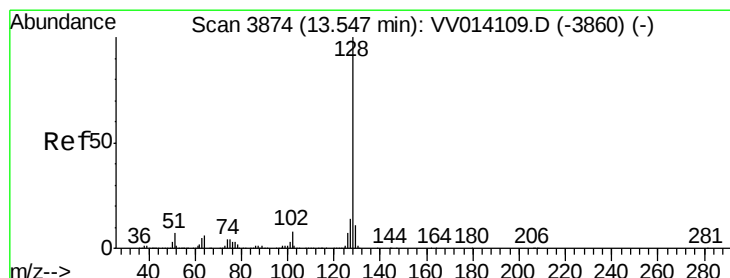
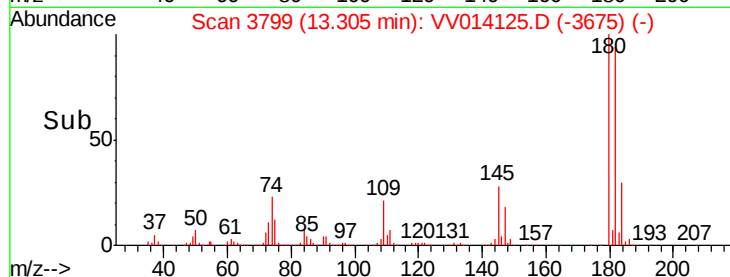
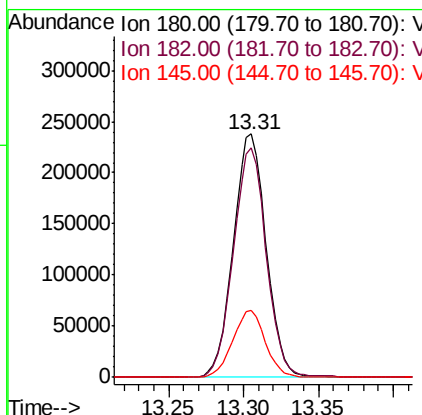
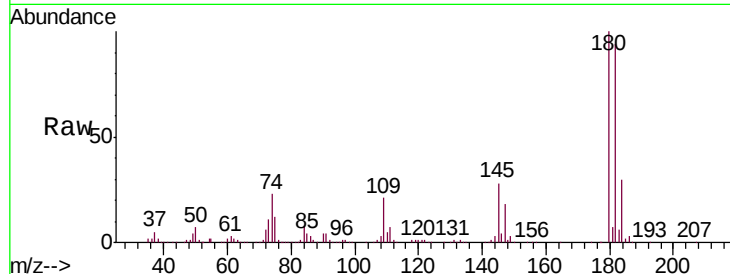




#68
 1,2,4-trichlorobenzene
 Concen: 39.162 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV014125.D
 Acq: 18 Dec 2019 17:29

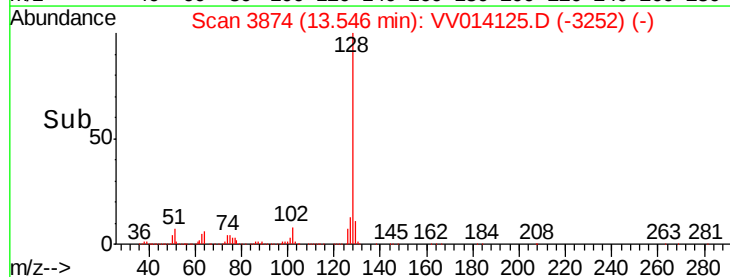
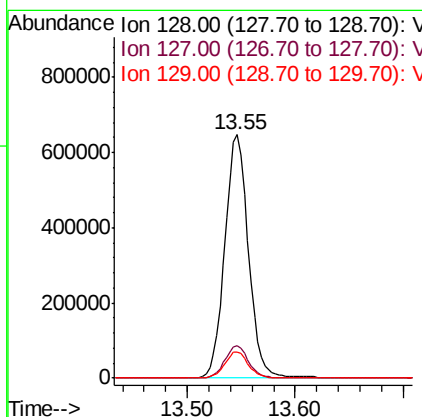
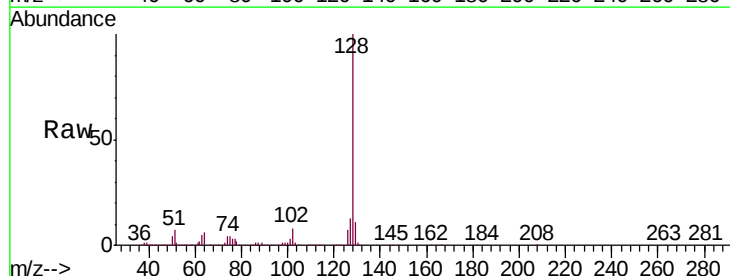
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

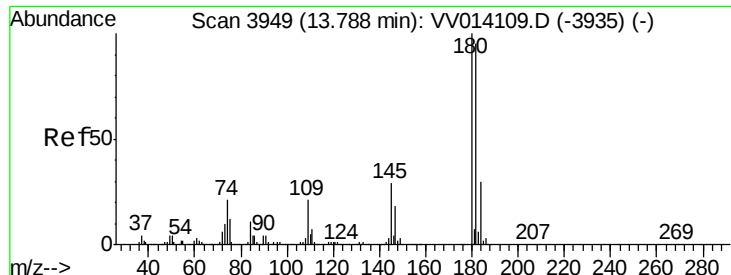
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.4
145	27.3	21.9	32.9



#69
 Naphthalene
 Concen: 40.575 ug/L
 RT: 13.55 min Scan# 3874
 Delta R.T. -0.00 min
 Lab File: VV014125.D
 Acq: 18 Dec 2019 17:29

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	8.6	12.8





#70

1,2,3-Trichlorobenzene

Concen: 40.728 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014125.D

Acq: 18 Dec 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

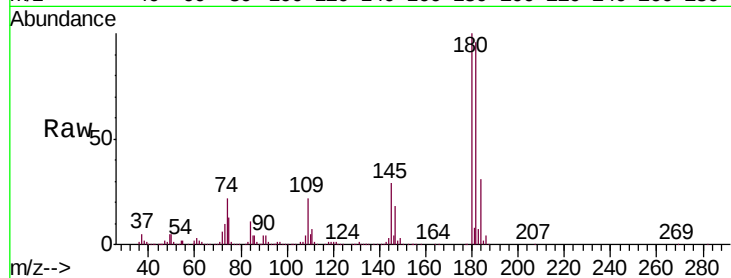
Tgt Ion:180 Resp: 395031

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

145 29.2 22.6 34.0



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

