

Data File : VV014530.D
Acq On : 07 Feb 2020 11:19
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD050208

Quant Time: Feb 08 00:00:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 16:28:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	361813	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	339895	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	172603	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92188	46.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.98%
7) Chloroethane-d5	1.58	69	62341	46.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.22%
11) 1,1-Dichloroethene-d2	2.13	63	140615	47.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.38%
21) 2-Butanone-d5	3.92	46	147307	97.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.26%
24) Chloroform-d	4.40	84	223773	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.10%
26) 1,2-Dichloroethane-d4	5.07	65	137804	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.98%
32) Benzene-d6	5.09	84	465743	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.96%
36) 1,2-Dichloropropane-d6	6.11	67	142222	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.56%
41) Toluene-d8	7.35	98	439320	50.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.38%
43) trans-1,3-Dichloropropene-	7.66	79	77339	49.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.96%
47) 2-Hexanone-d5	8.12	63	124203	101.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.16%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	186420	49.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.48%
66) 1,2-Dichlorobenzene-d4	11.67	152	164364	49.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	154092	53.166 ug/L	99
3) Chloromethane	1.26	50	144350	49.188 ug/L	99
5) Vinyl chloride	1.32	62	110168	49.013 ug/L	100
6) Bromomethane	1.53	94	52123	50.430 ug/L	99
8) Chloroethane	1.60	64	52155	46.697 ug/L	99
9) Trichlorofluoromethane	1.77	101	159349	52.628 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72683	49.991 ug/L	98
12) 1,1-Dichloroethene	2.14	96	66476	47.804 ug/L	87
13) Acetone	2.18	43	121431	95.757 ug/L	97
14) Carbon disulfide	2.32	76	329838	48.852 ug/L	100
15) Methyl Acetate	2.45	43	117350	48.125 ug/L	99
16) Methylene chloride	2.53	84	132801	50.284 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	122086	49.830 ug/L	98
18) Methyl tert-butyl Ether	2.80	73	390852	50.377 ug/L	99
19) 1,1-Dichloroethane	3.23	63	218480	49.869 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	140957	51.125 ug/L	98
22) 2-Butanone	4.00	43	190171	101.395 ug/L	95

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	69179	52.989	ug/L	95
25) Chloroform	4.42	83	228438	51.279	ug/L	100
27) 1,2-Dichloroethane	5.17	62	166343	50.113	ug/L	100
29) Cyclohexane	4.72	56	207742	49.710	ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	198257	51.108	ug/L	100
31) Carbon tetrachloride	4.87	117	178235	52.082	ug/L	100
33) Benzene	5.14	78	502500	50.287	ug/L	100
34) Trichloroethene	5.95	95	133500	50.401	ug/L	99
35) Methylcyclohexane	6.17	83	219540	50.720	ug/L	99
37) 1,2-Dichloropropane	6.22	63	126712	49.783	ug/L	100
38) Bromodichloromethane	6.55	83	174385	51.052	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	221035	52.059	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	316446	96.208	ug/L	99
42) Toluene	7.43	91	542773	50.660	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	193554	50.842	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	122344	50.103	ug/L	98
46) Tetrachloroethene	8.01	164	104741	51.836	ug/L	97
48) 2-Hexanone	8.17	43	254307	100.434	ug/L	99
49) Dibromochloromethane	8.28	129	141444	51.306	ug/L	98
50) 1,2-Dibromoethane	8.39	107	133901	50.630	ug/L	99
51) Chlorobenzene	8.92	112	355689	50.824	ug/L	99
52) Ethylbenzene	9.05	91	612079	50.943	ug/L	99
53) m,p-Xylene	9.18	106	237041	51.218	ug/L	99
54) o-Xylene	9.58	106	227289	51.310	ug/L	99
55) Styrene	9.60	104	389095	51.394	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	195631	51.116	ug/L	99
59) Bromoform	9.77	173	97142	50.459	ug/L	97
60) Isopropylbenzene	9.97	105	599862	51.392	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	152770	49.977	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	513820	51.420	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	511144	51.887	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	282569	51.323	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	285786	50.421	ug/L	100
67) 1,2-Dichlorobenzene	11.68	146	273817	51.295	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	41854	48.893	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	200918	51.799	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	187753	52.722	ug/L	99
71) Naphthalene	13.55	128	582991	49.837	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	175568	50.741	ug/L	99

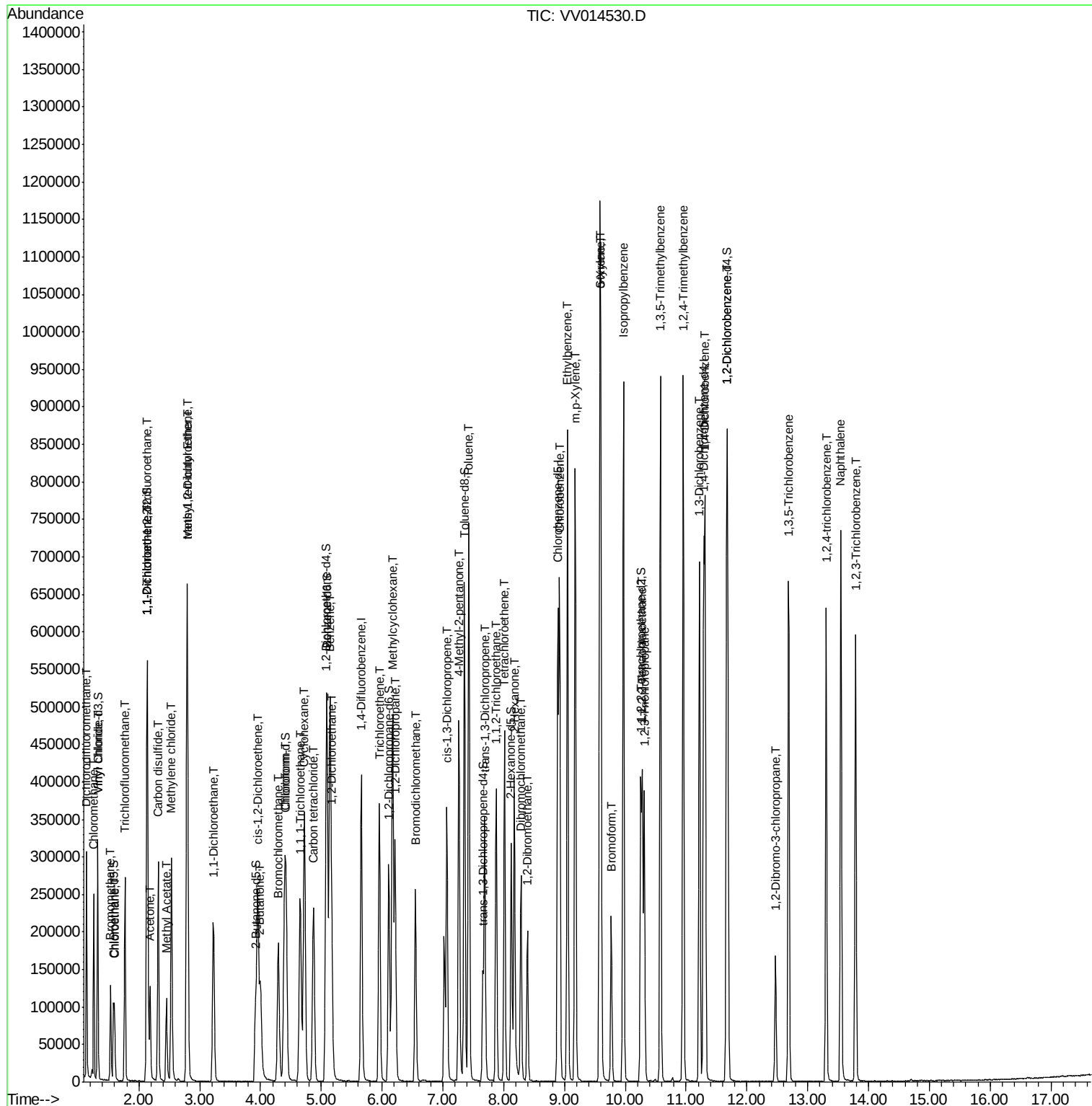
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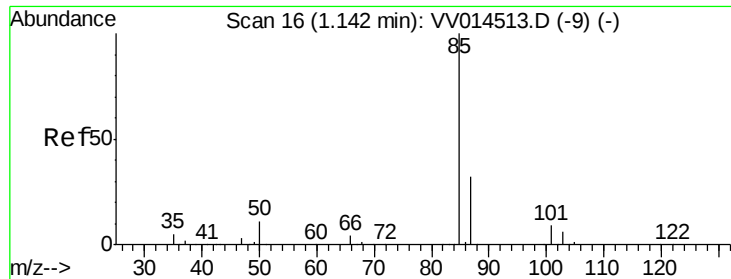
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```
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#2

Dichlorodifluoromethane

Concen: 53.166 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

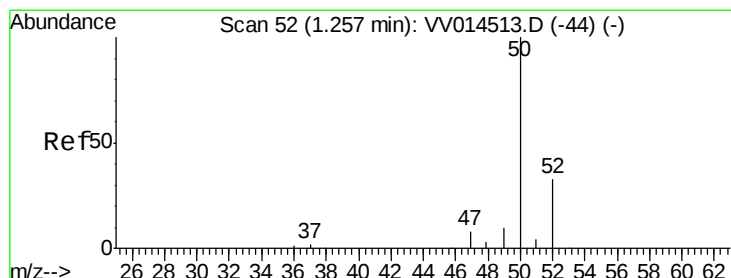
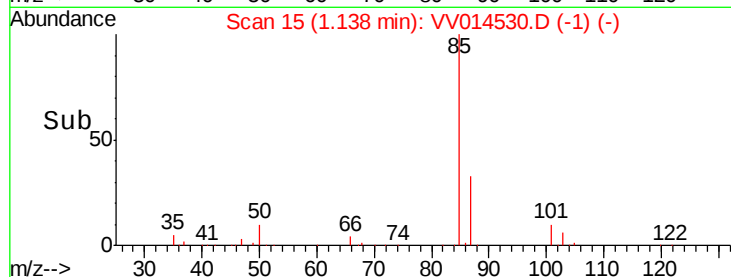
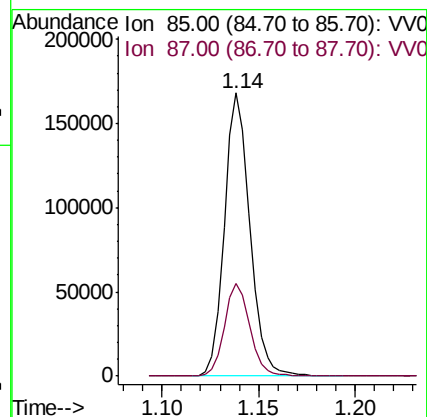
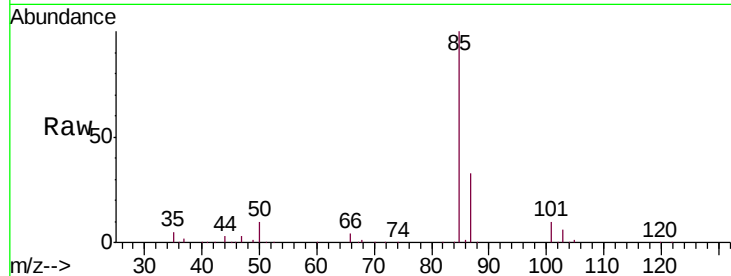
VSTD050208

Tgt Ion: 85 Resp: 154092

Ion Ratio Lower Upper

85 100

87 32.9 25.7 38.5



#3

Chloromethane

Concen: 49.188 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014530.D

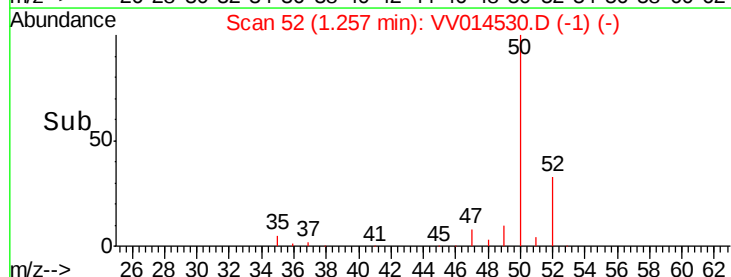
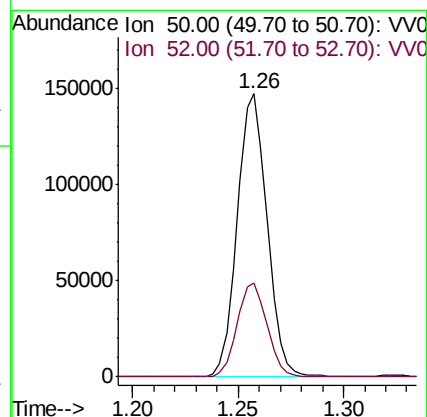
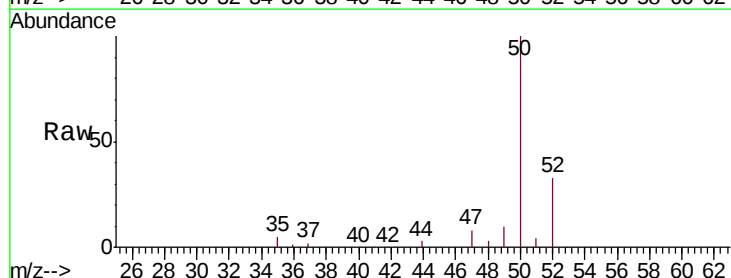
Acq: 07 Feb 2020 11:19

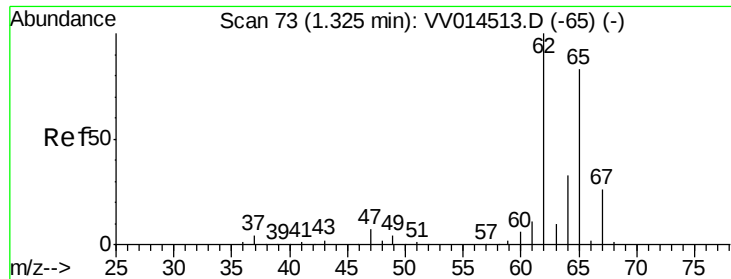
Tgt Ion: 50 Resp: 144350

Ion Ratio Lower Upper

50 100

52 33.2 22.9 42.5





#5

Vinyl chloride

Concen: 49.013 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

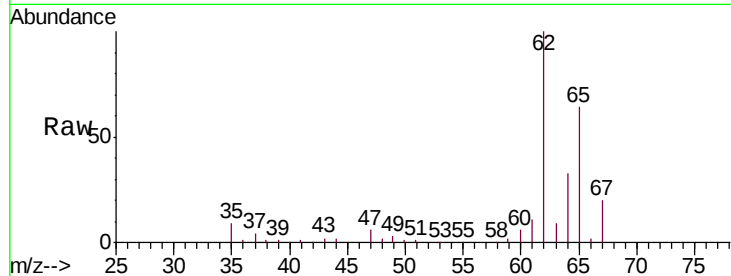
VSTD050208

Tgt Ion: 62 Resp: 110168

Ion Ratio Lower Upper

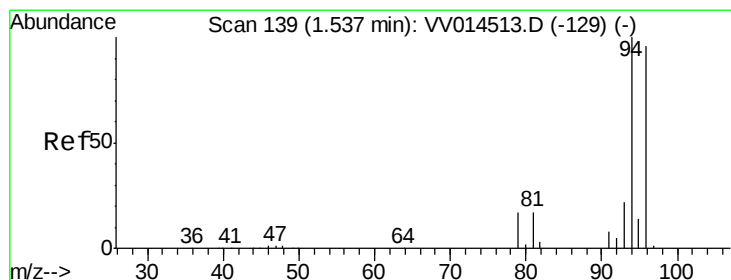
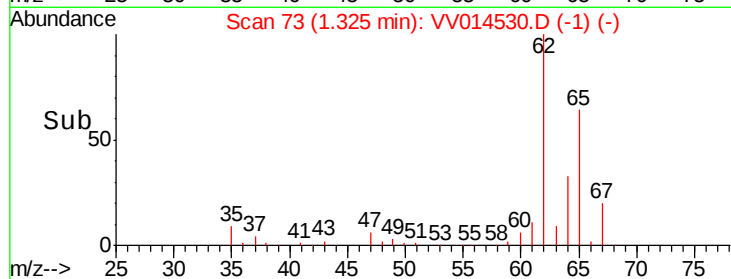
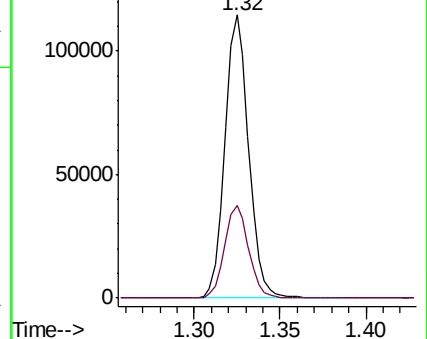
62 100

64 32.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.430 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014530.D

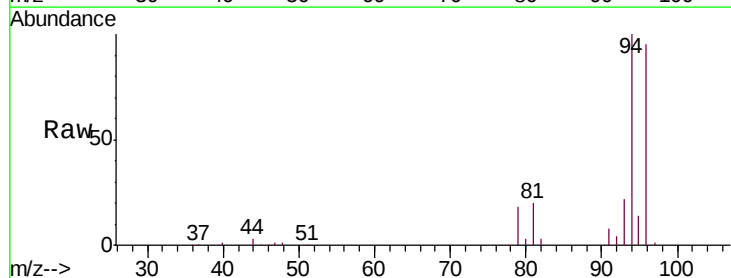
Acq: 07 Feb 2020 11:19

Tgt Ion: 94 Resp: 52123

Ion Ratio Lower Upper

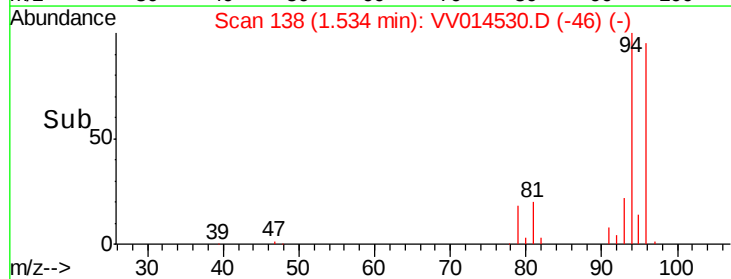
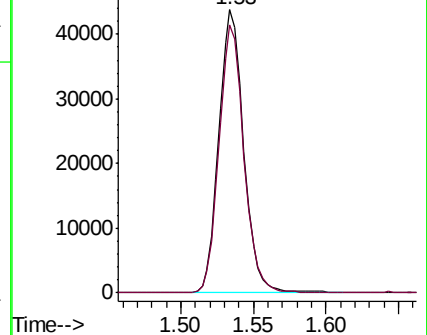
94 100

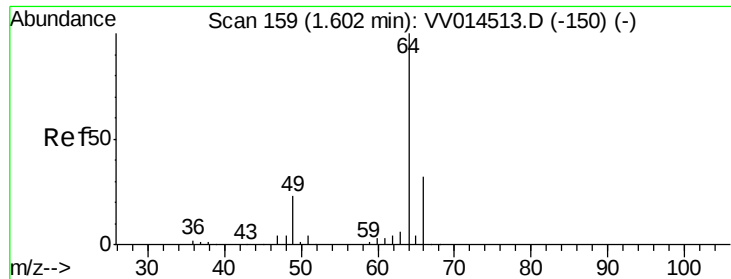
96 94.9 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 46.697 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

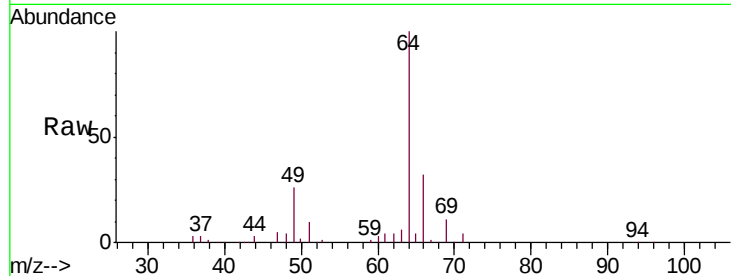
VSTD050208

Tgt Ion: 64 Resp: 52155

Ion Ratio Lower Upper

64 100

66 31.6 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV014530.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014530.D (-150) (-)

1.60

40000

30000

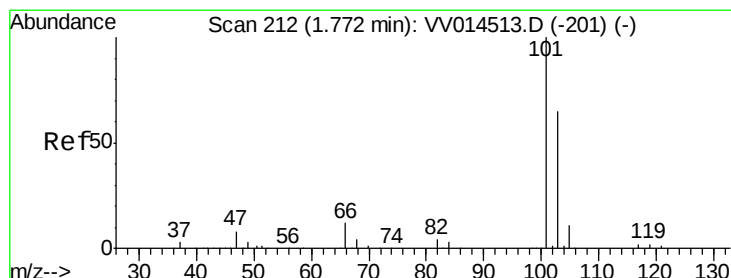
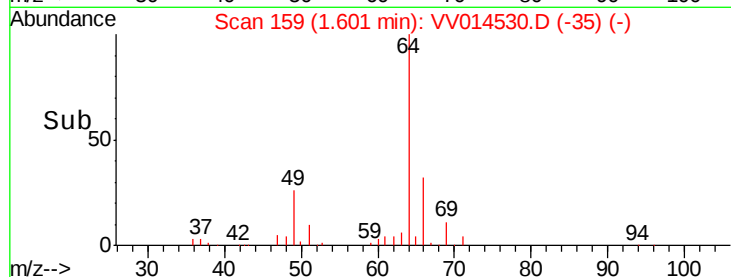
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 52.628 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014530.D

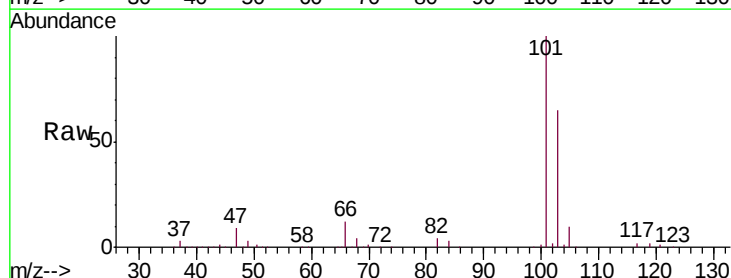
Acq: 07 Feb 2020 11:19

Tgt Ion: 101 Resp: 159349

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014530.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014530.D (-201) (-)

1.77

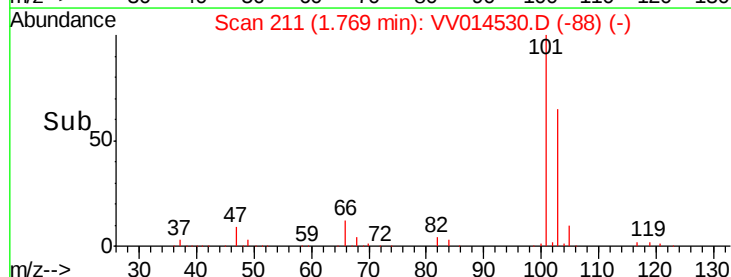
100000

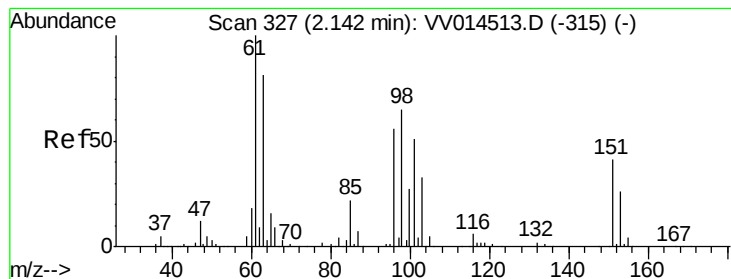
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 49.991 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050208

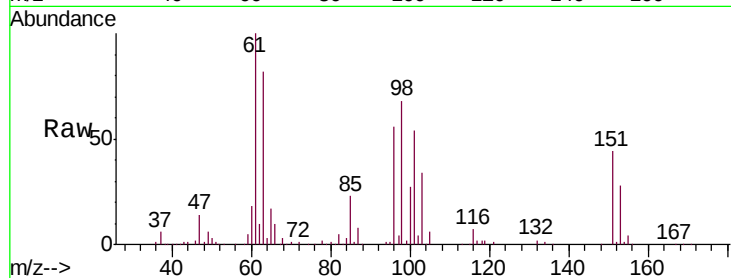
Tgt Ion: 101 Resp: 72683

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.6

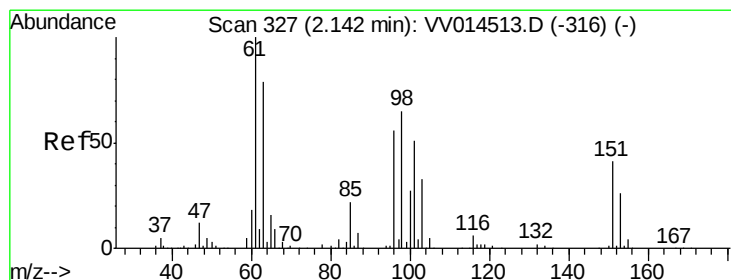
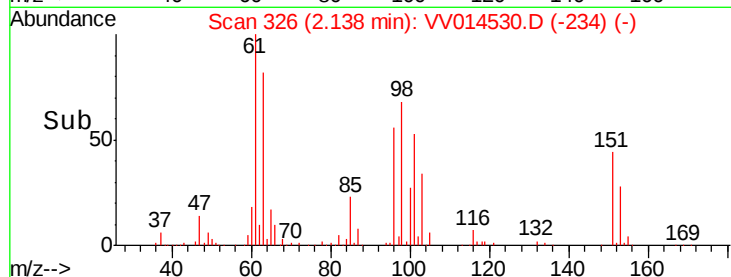
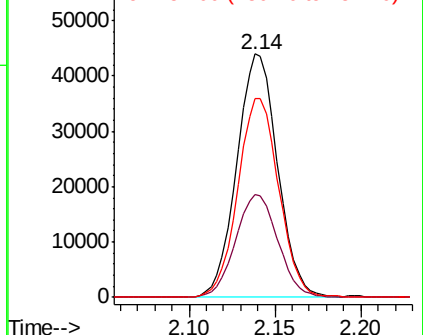
151 82.5 64.4 96.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.804 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

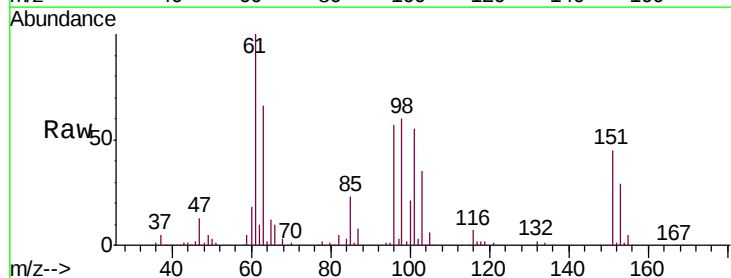
Tgt Ion: 96 Resp: 66476

Ion Ratio Lower Upper

96 100

61 174.5 125.0 232.2

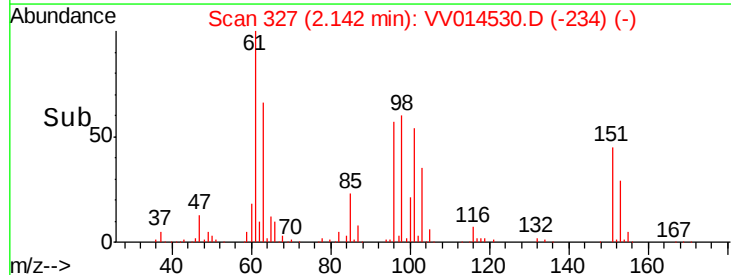
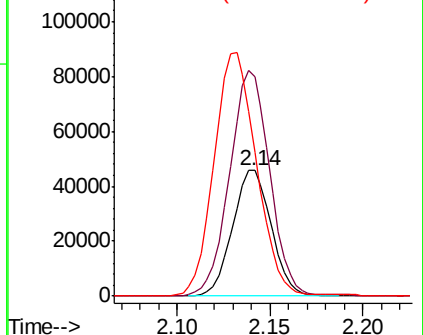
63 114.8 101.6 188.6

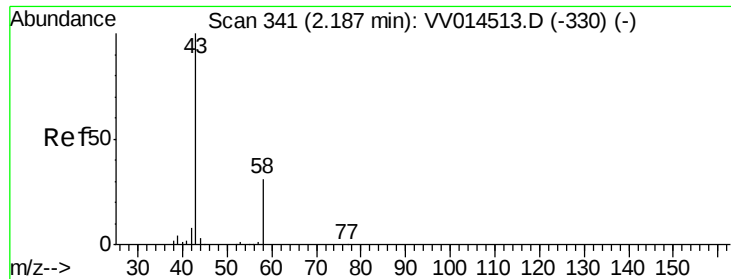


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 95.757 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

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MSVOA_V

ClientSampleId :

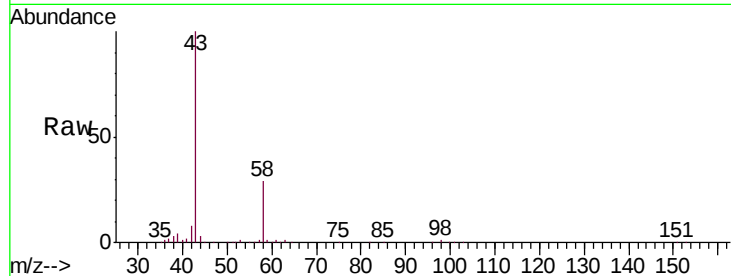
VSTD050208

Tgt Ion: 43 Resp: 121431

Ion Ratio Lower Upper

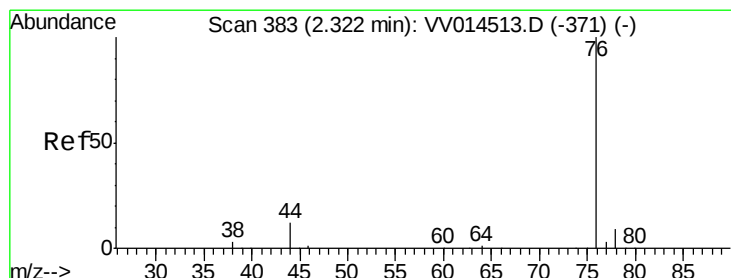
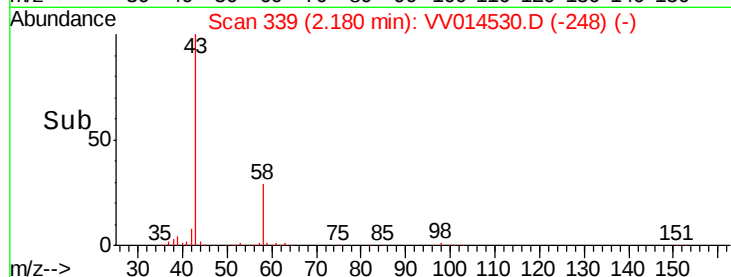
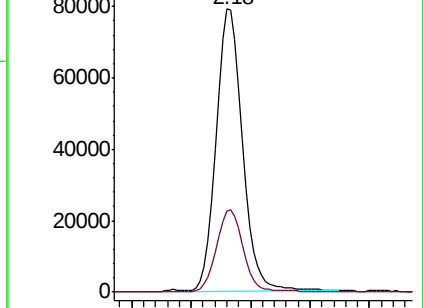
43 100

58 29.4 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV014530.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014530.D (-330) (-)



#14

Carbon disulfide

Concen: 48.852 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014530.D

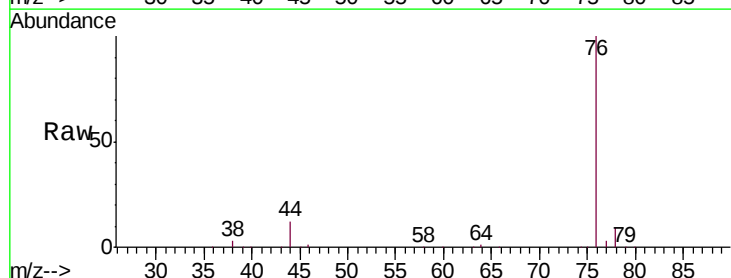
Acq: 07 Feb 2020 11:19

Tgt Ion: 76 Resp: 329838

Ion Ratio Lower Upper

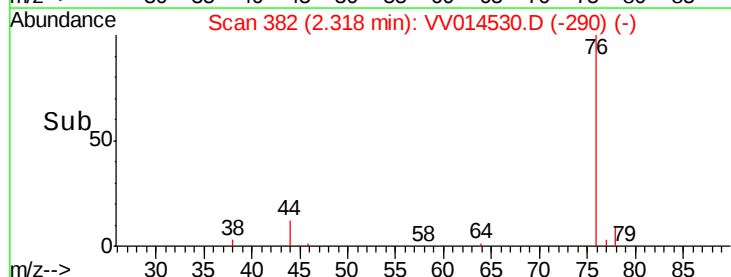
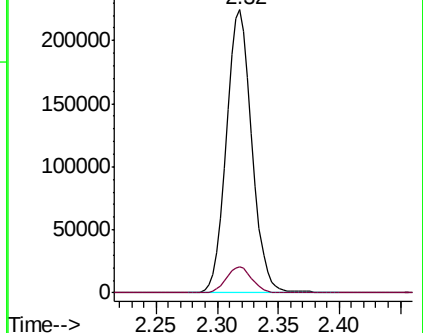
76 100

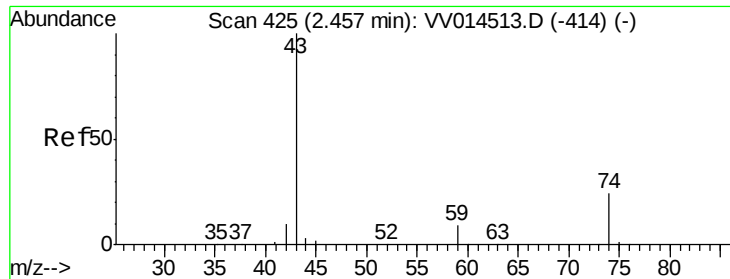
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV014530.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV014530.D (-371) (-)

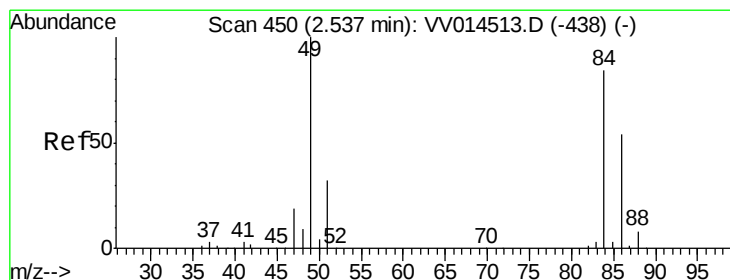
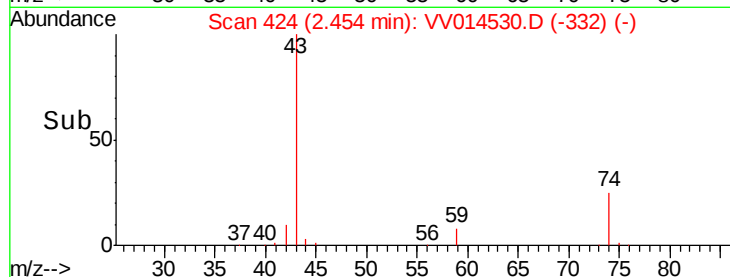
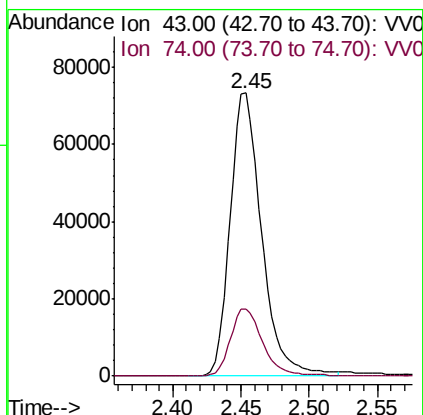
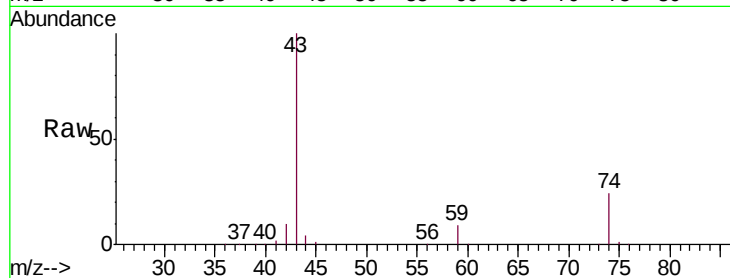




#15
Methyl Acetate
Concen: 48.125 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

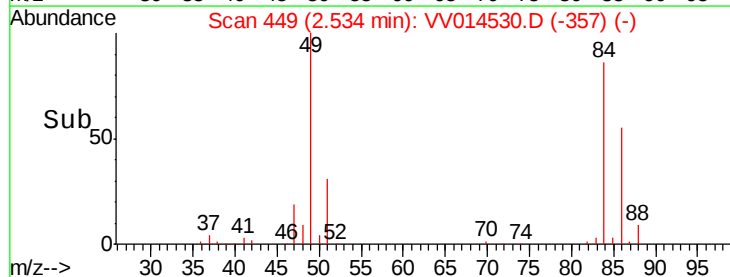
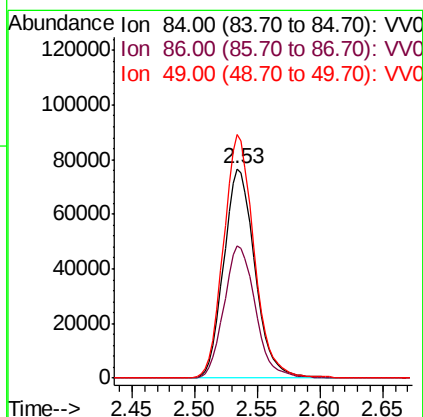
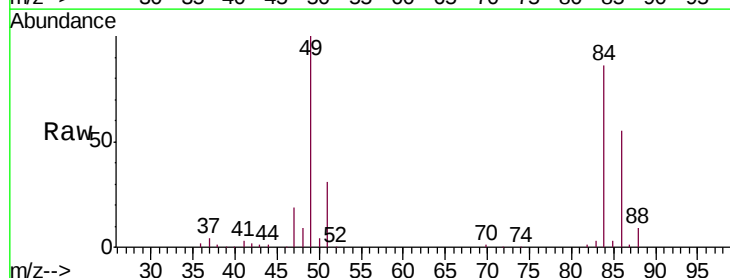
Instrument :
MSVOA_V
ClientSampleId :
VSTD050208

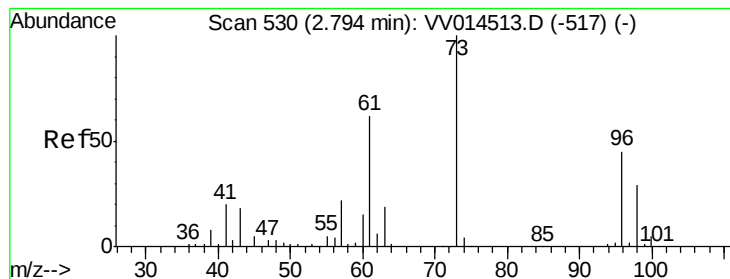
Tgt Ion: 43 Resp: 117350
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.0



#16
Methylene chloride
Concen: 50.284 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Tgt Ion: 84 Resp: 132801
Ion Ratio Lower Upper
84 100
86 63.5 44.6 82.8
49 116.4 83.2 154.4





#17

trans-1,2-Dichloroethene

Concen: 49.830 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050208

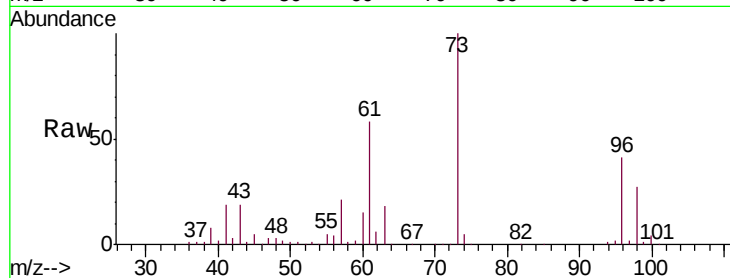
Tgt Ion: 96 Resp: 122086

Ion Ratio Lower Upper

96 100

61 139.9 95.8 178.0

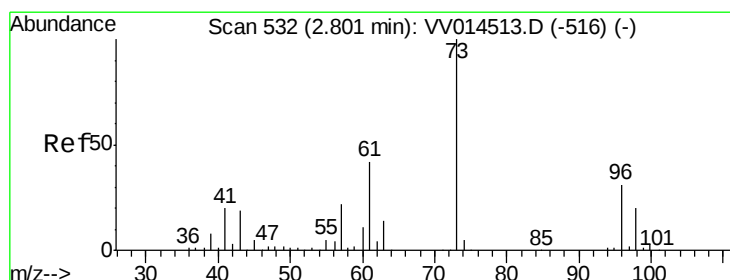
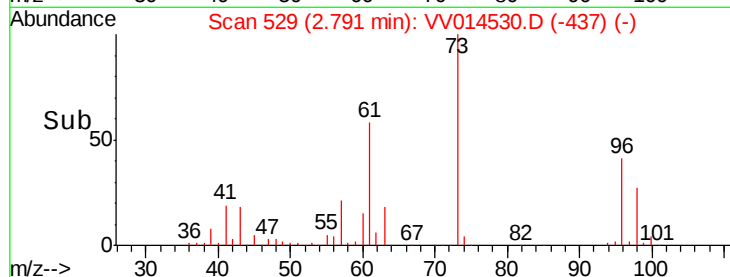
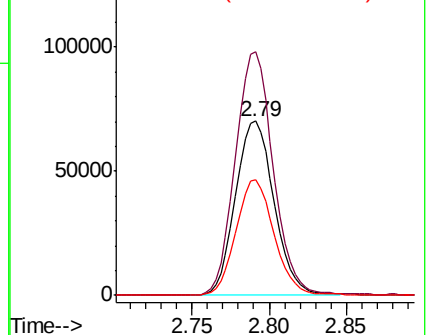
98 66.1 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 50.377 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

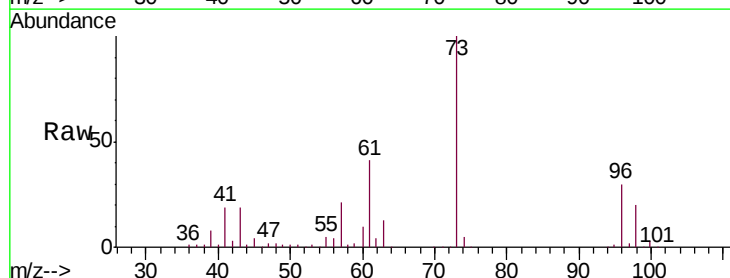
Tgt Ion: 73 Resp: 390852

Ion Ratio Lower Upper

73 100

43 18.5 14.9 22.3

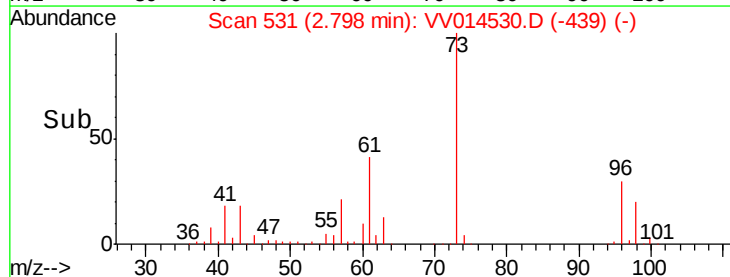
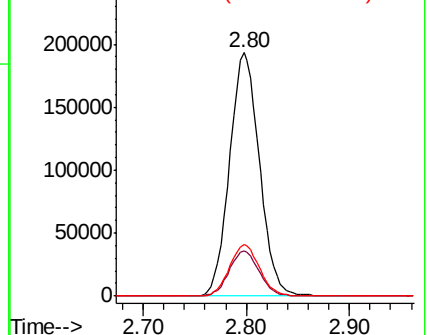
57 21.1 17.5 26.3

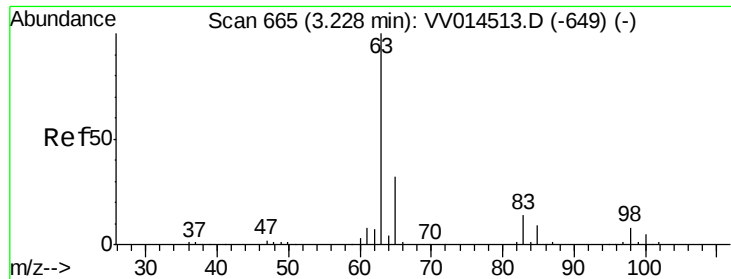


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

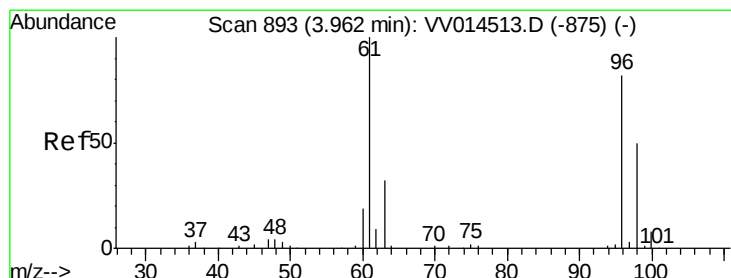
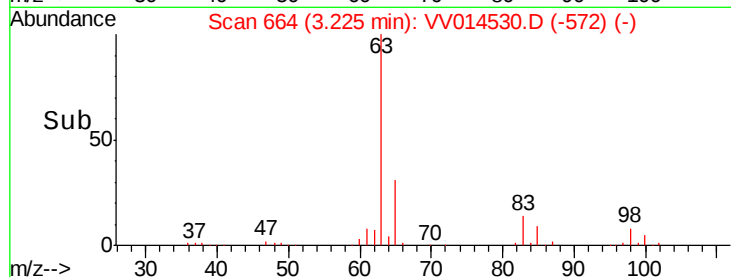
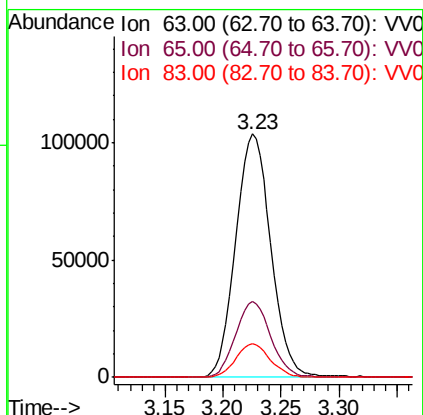
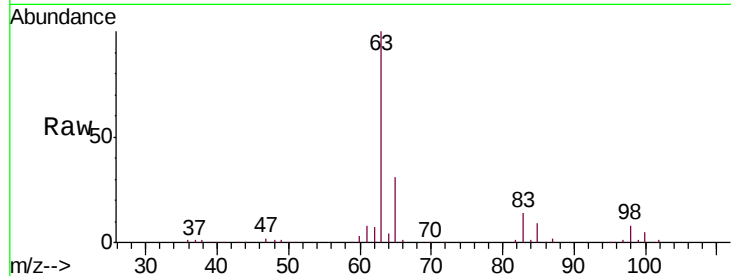




#19
 1,1-Dichloroethane
 Concen: 49.869 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

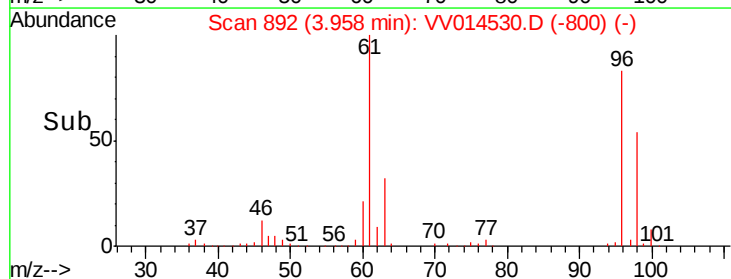
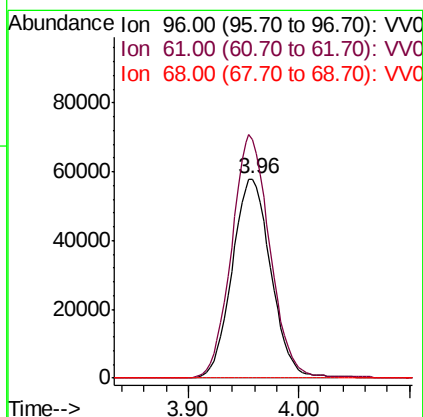
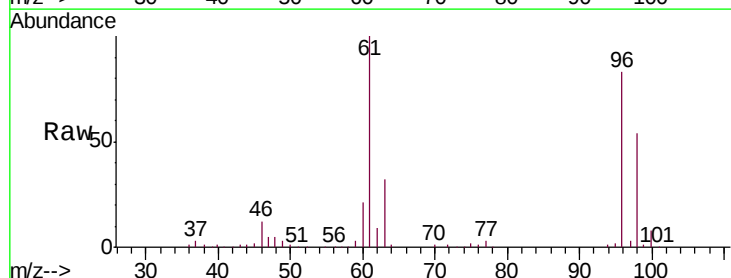
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD050208

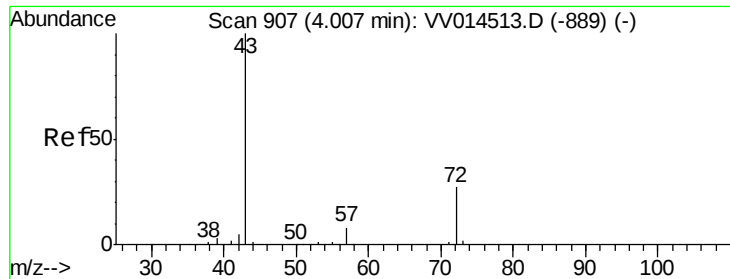
Tgt Ion: 63 Resp: 218480
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.5 41.7
 83 13.6 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 51.125 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

Tgt Ion: 96 Resp: 140957
 Ion Ratio Lower Upper
 96 100
 61 119.9 85.2 158.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 101.395 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.01 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

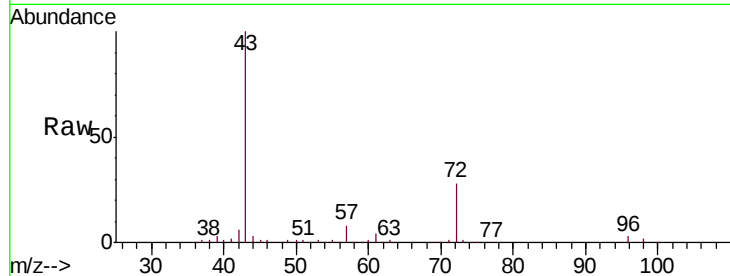
VSTD050208

Tgt Ion: 43 Resp: 190171

Ion Ratio Lower Upper

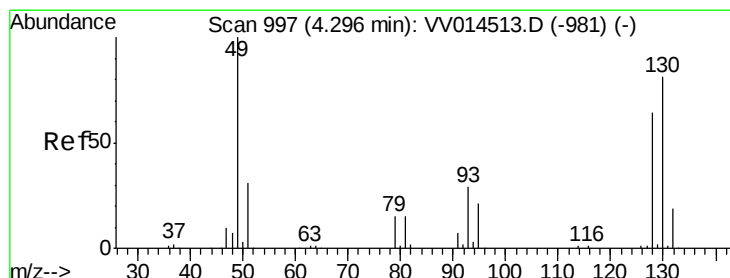
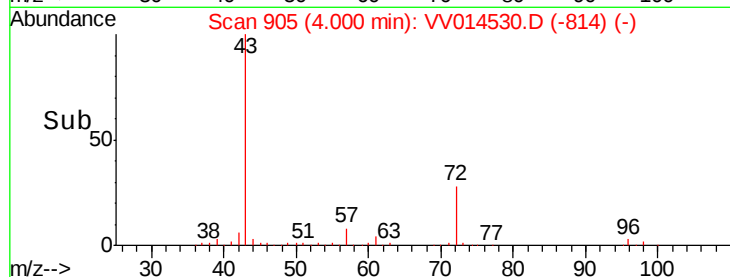
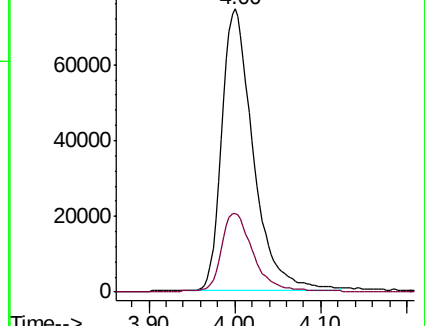
43 100

72 28.0 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV014530.D (-889) (-)

Ion 72.00 (71.70 to 72.70): VV014530.D (-889) (-)



#23

Bromochloromethane

Concen: 52.989 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Tgt Ion: 128 Resp: 69179

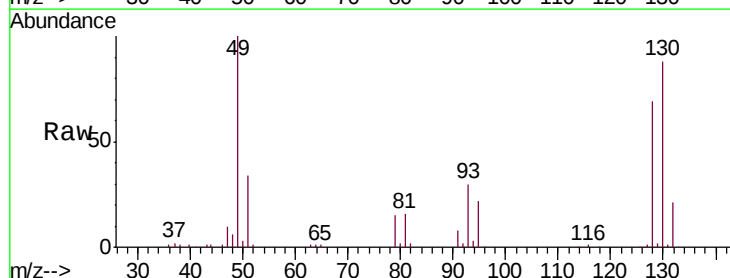
Ion Ratio Lower Upper

128 100

49 145.3 110.1 204.5

130 127.2 88.5 164.4

51 48.8 39.4 59.0

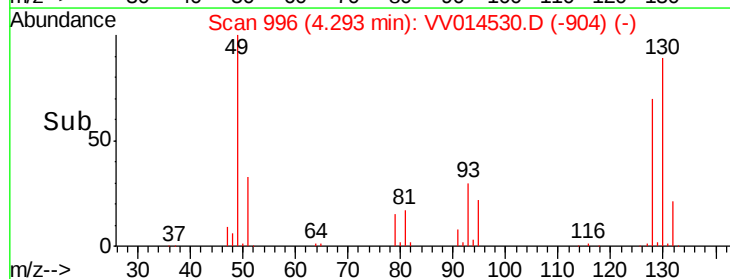
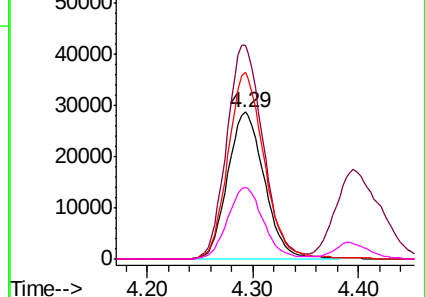


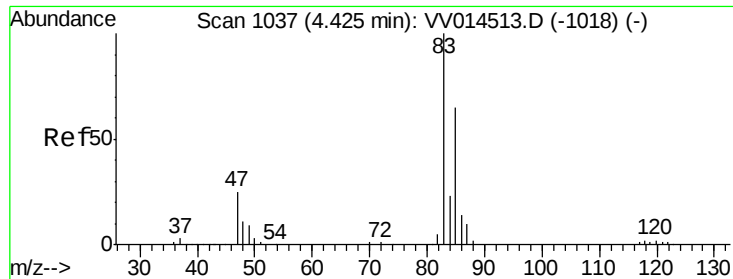
Abundance Ion 128.00 (127.70 to 128.70): VV014530.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV014530.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV014530.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV014530.D (-904) (-)

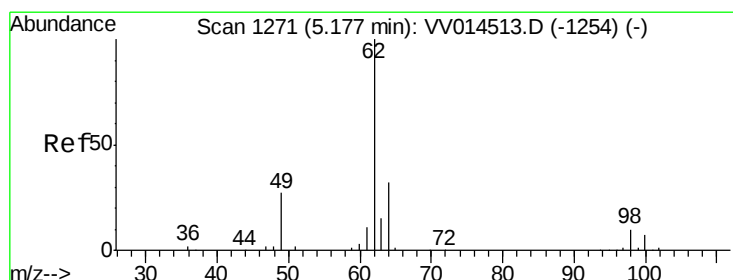
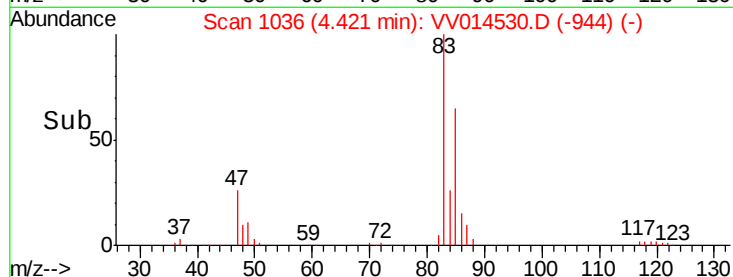
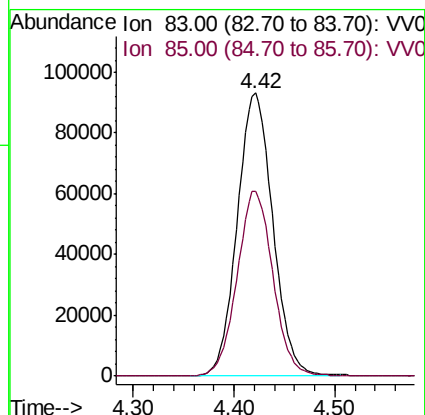
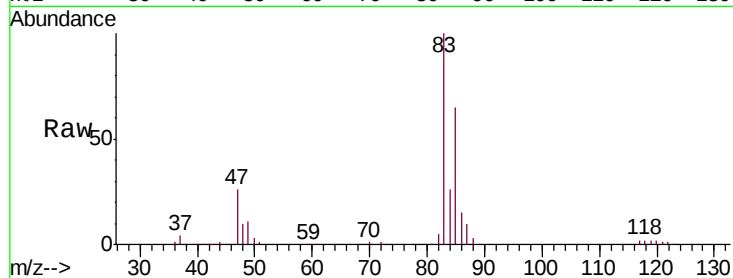




#25
Chloroform
Concen: 51.279 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

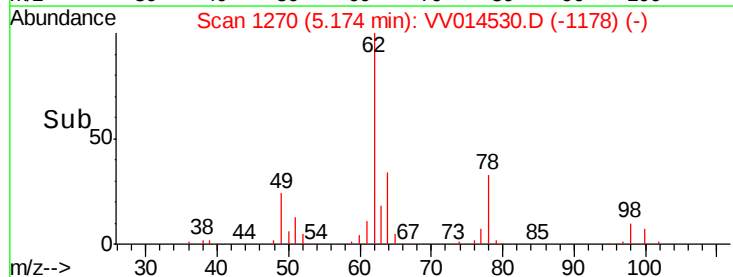
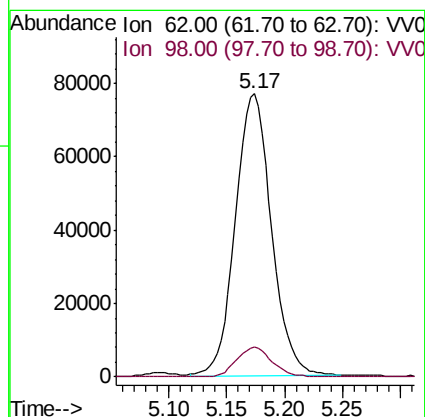
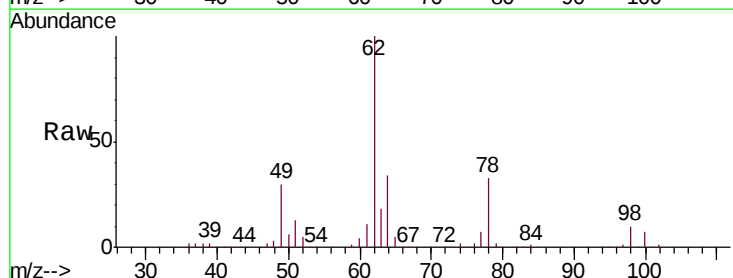
Instrument :
MSVOA_V
ClientSampleId :
VSTD050208

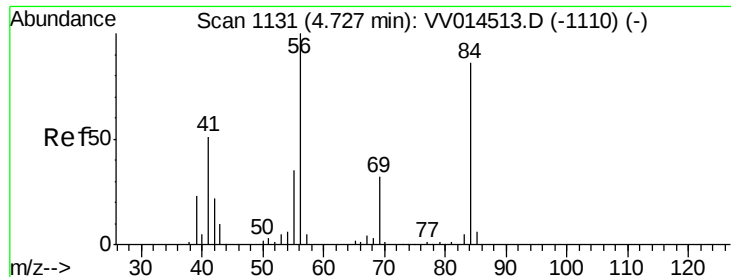
Tgt Ion: 83 Resp: 228438
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0



#27
1,2-Dichloroethane
Concen: 50.113 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Tgt Ion: 62 Resp: 166343
Ion Ratio Lower Upper
62 100
98 10.5 8.2 12.4

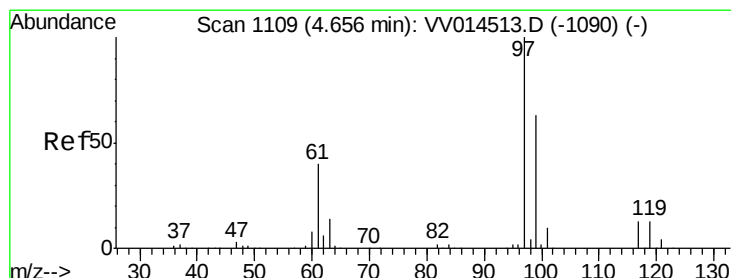
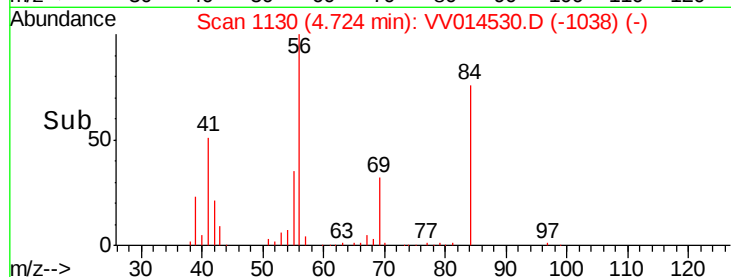
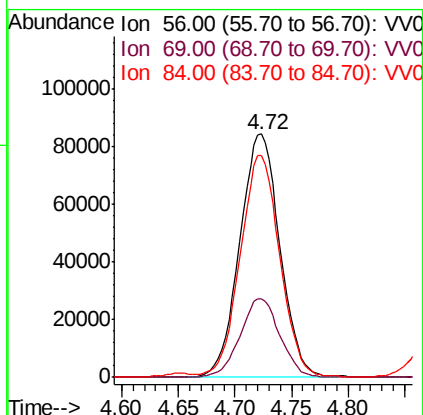
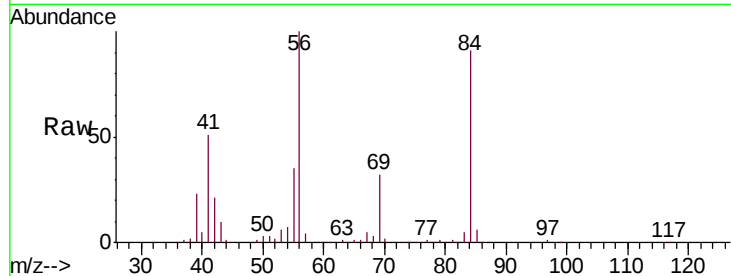




#29
Cyclohexane
Concen: 49.710 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

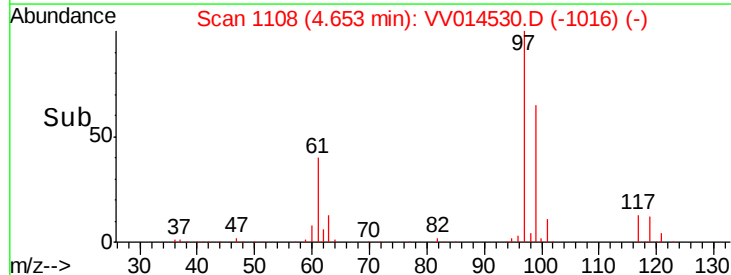
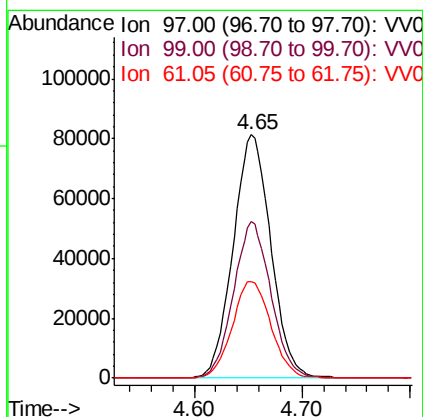
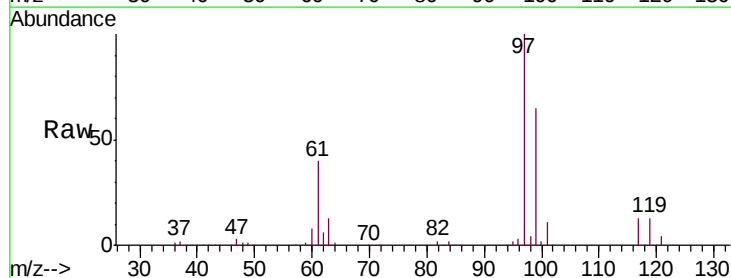
Instrument :
MSVOA_V
ClientSampleId :
VSTD050208

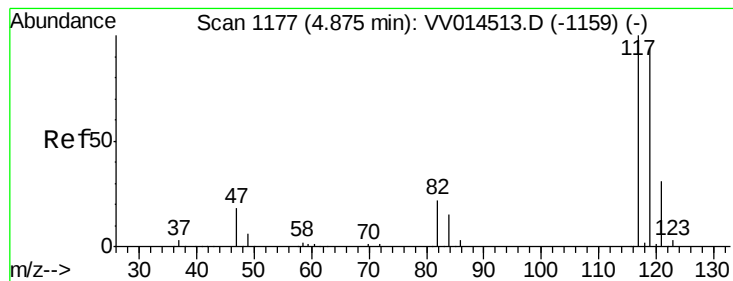
Tgt Ion: 56 Resp: 207742
Ion Ratio Lower Upper
56 100
69 31.9 25.2 37.8
84 89.9 69.8 104.8



#30
1,1,1-Trichloroethane
Concen: 51.108 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Tgt Ion: 97 Resp: 198257
Ion Ratio Lower Upper
97 100
99 63.5 50.6 76.0
61 40.8 33.0 49.4





#31

Carbon tetrachloride

Concen: 52.082 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

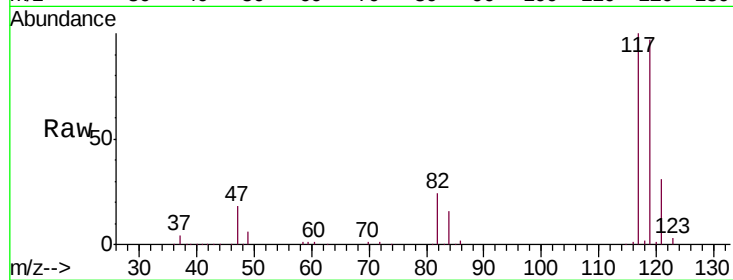
VSTD050208

Tgt Ion:117 Resp: 178235

Ion Ratio Lower Upper

117 100

119 95.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

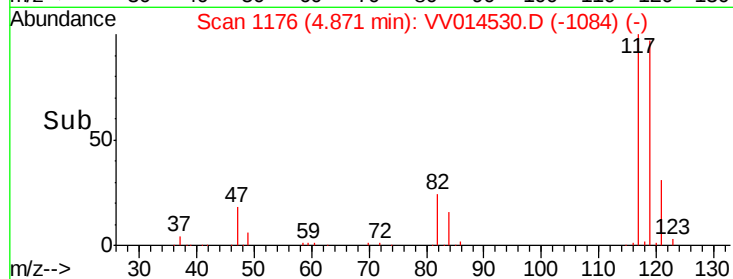
40000

20000

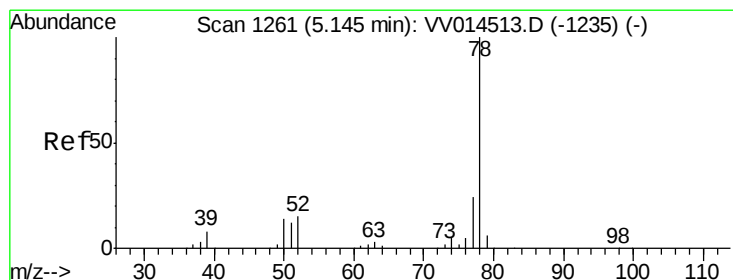
0

4.87

4.80 4.90 5.00



Time-->



#33

Benzene

Concen: 50.287 ug/L

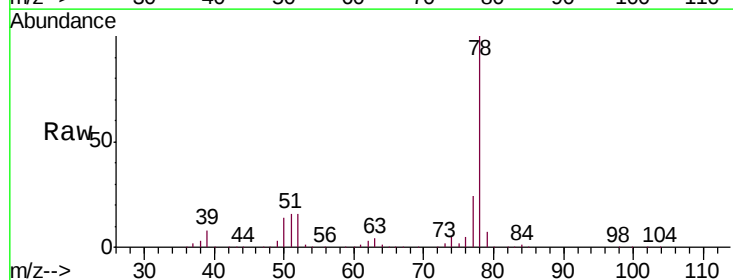
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Tgt Ion: 78 Resp: 502500



Abundance Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

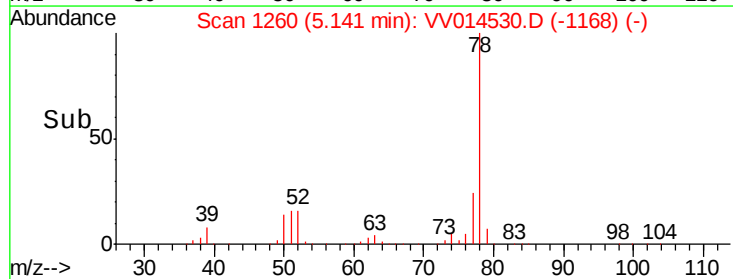
100000

50000

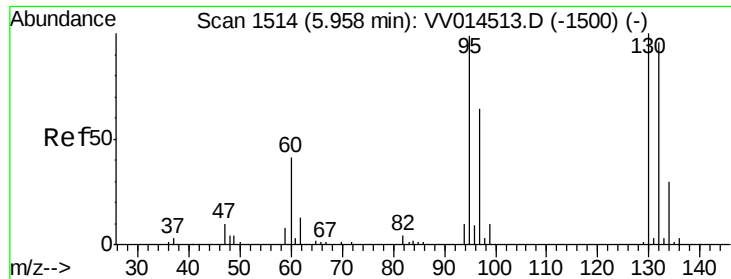
0

5.14

5.00 5.10 5.20



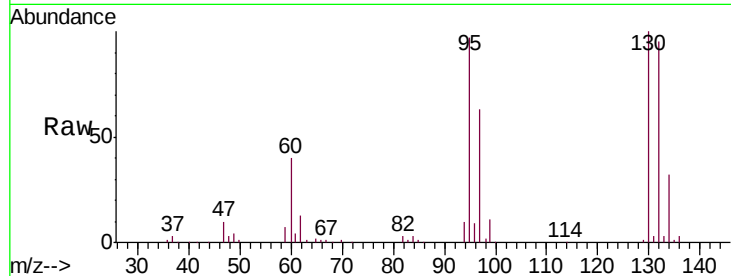
Time-->



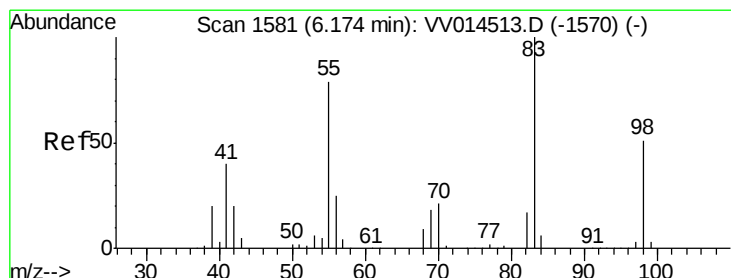
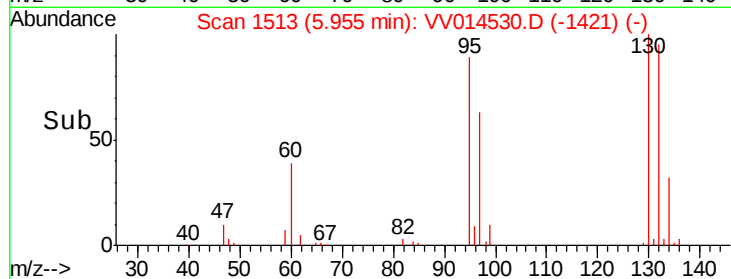
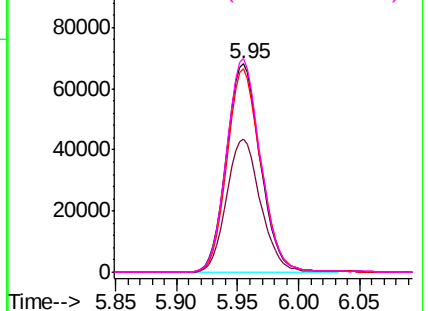
#34
 Trichloroethene
 Concen: 50.401 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD050208

Tgt Ion: 95 Resp: 133500
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.1 83.7
 132 97.7 67.7 125.7
 130 102.7 70.5 130.9

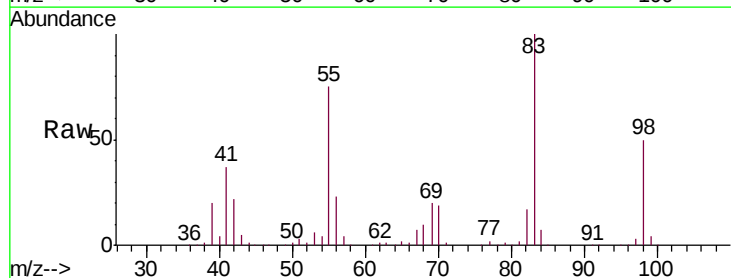


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

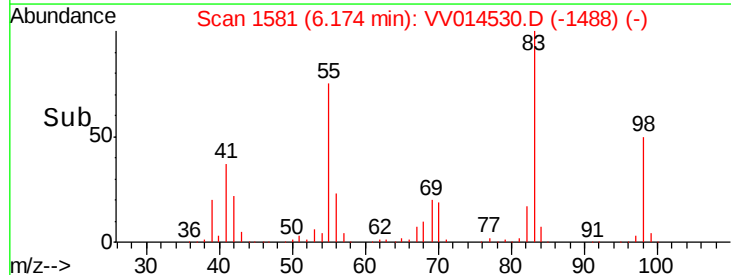
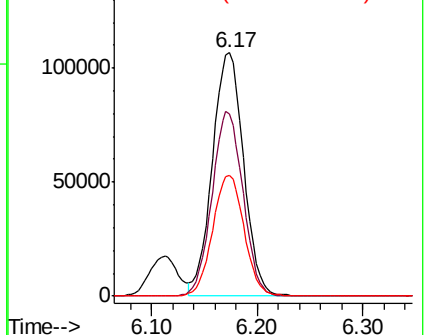


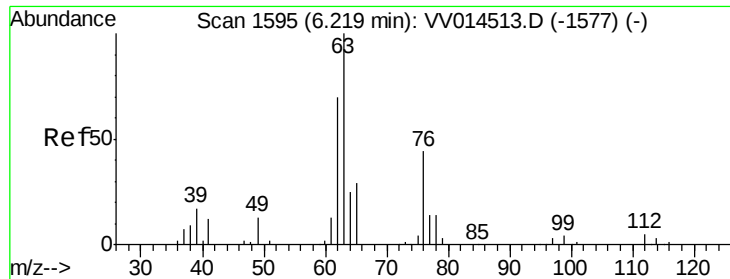
#35
 Methylcyclohexane
 Concen: 50.720 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

Tgt Ion: 83 Resp: 219540
 Ion Ratio Lower Upper
 83 100
 55 75.1 60.7 91.1
 98 49.8 39.4 59.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

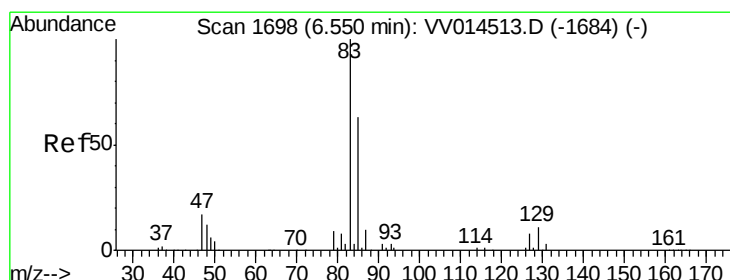
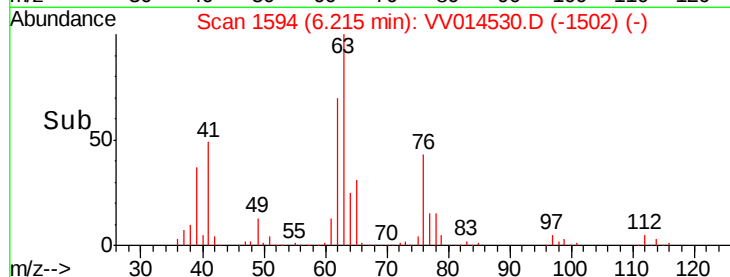
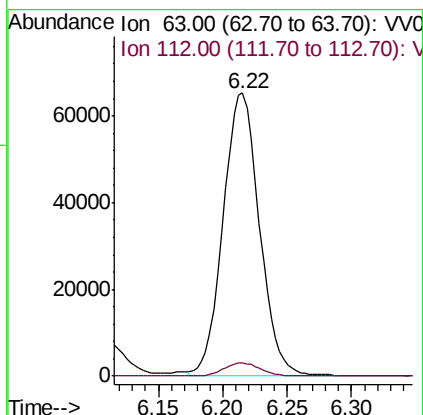
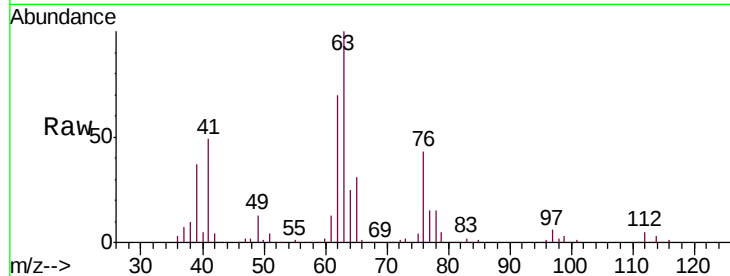




#37
 1,2-Dichloropropane
 Concen: 49.783 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

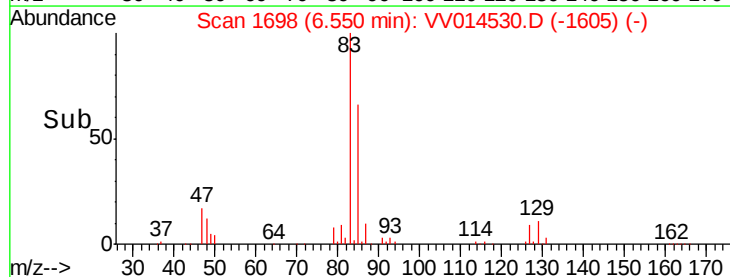
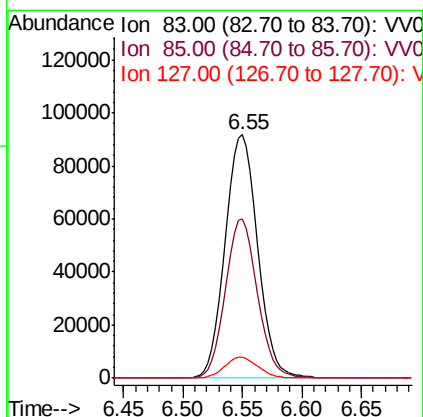
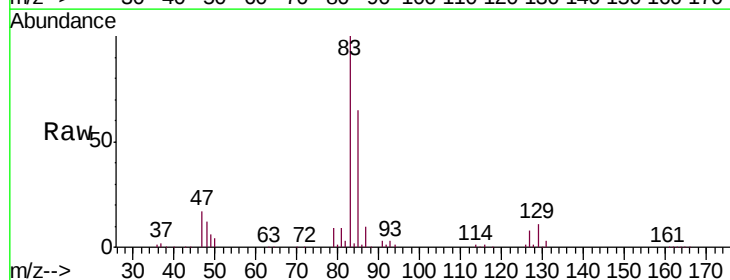
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050208

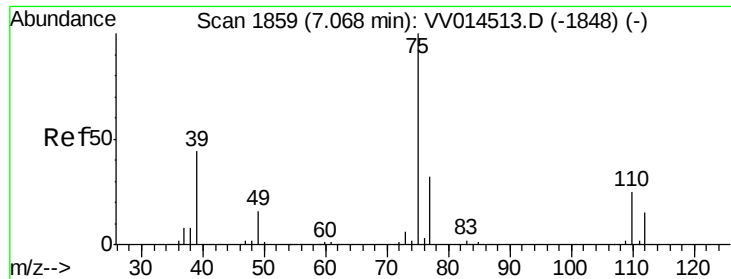
Tgt Ion: 63 Resp: 126712
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#38
 Bromodichloromethane
 Concen: 51.052 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

Tgt Ion: 83 Resp: 174385
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.4 82.4
 127 8.5 6.7 10.1



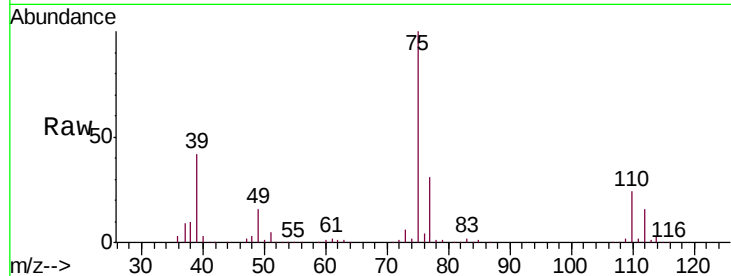


#39

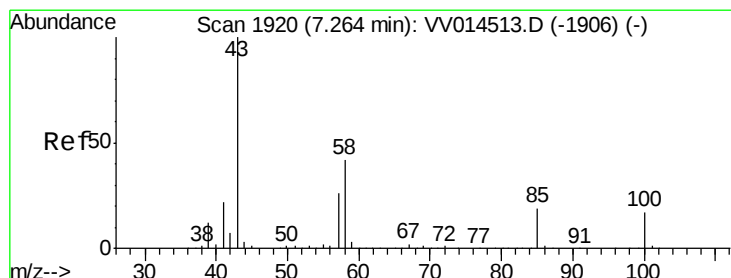
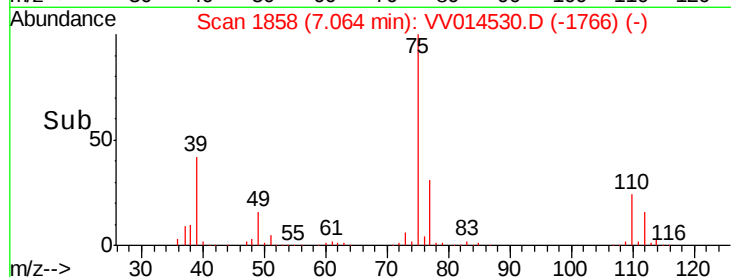
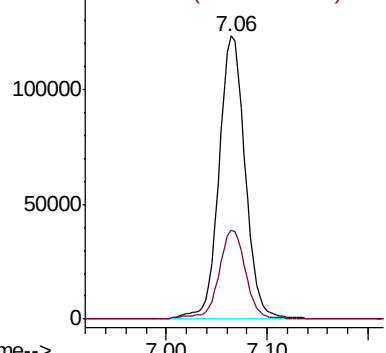
cis-1,3-Dichloropropene
Concen: 52.059 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD050208

Tgt Ion: 75 Resp: 221035
Ion Ratio Lower Upper
75 100
77 31.3 22.7 42.1



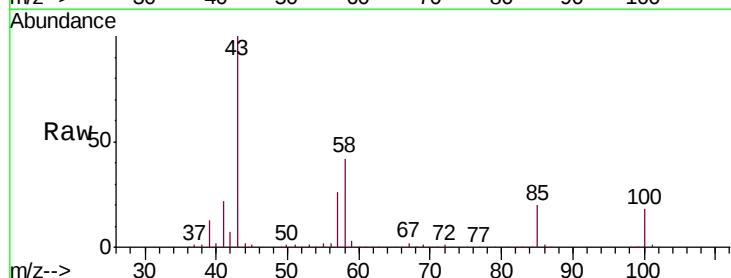
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



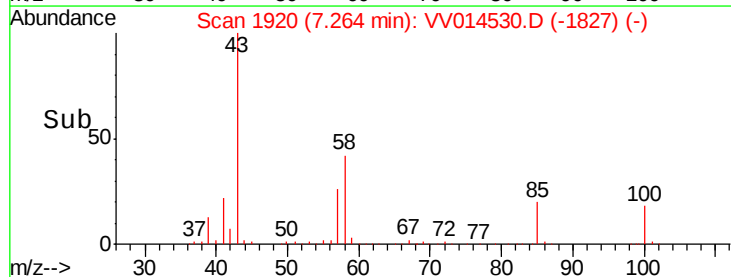
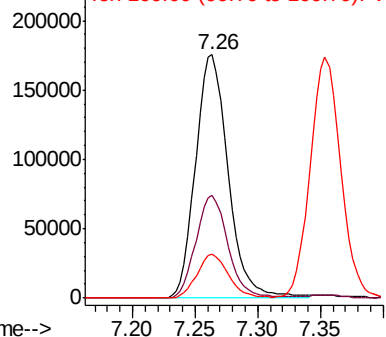
#40

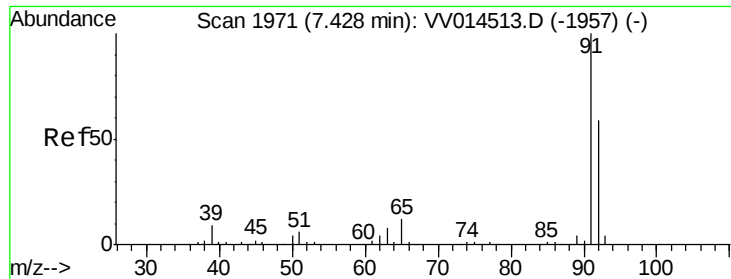
4-Methyl-2-pentanone
Concen: 96.208 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Tgt Ion: 43 Resp: 316446
Ion Ratio Lower Upper
43 100
58 41.9 33.2 49.8
100 17.6 13.9 20.9



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





#42

Toluene

Concen: 50.660 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

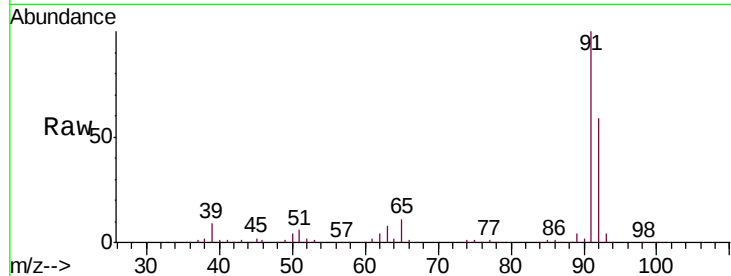
VSTD050208

Tgt Ion: 91 Resp: 542773

Ion Ratio Lower Upper

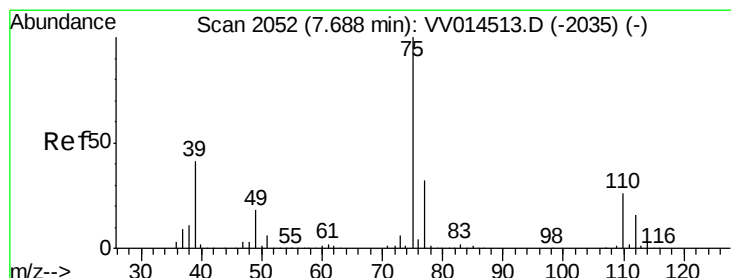
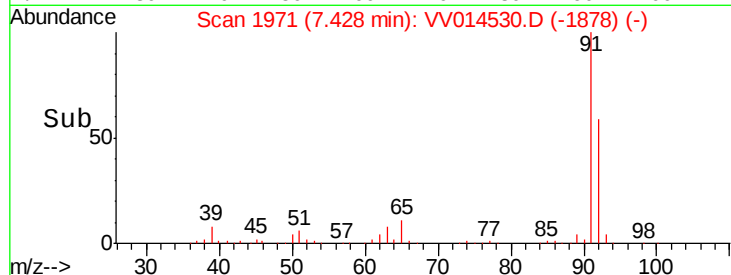
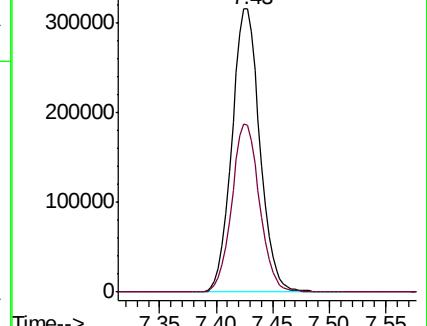
91 100

92 58.8 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 50.842 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014530.D

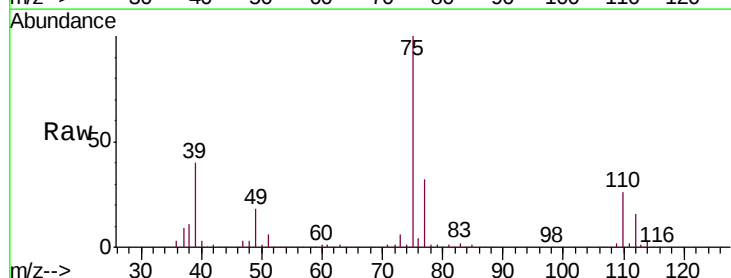
Acq: 07 Feb 2020 11:19

Tgt Ion: 75 Resp: 193554

Ion Ratio Lower Upper

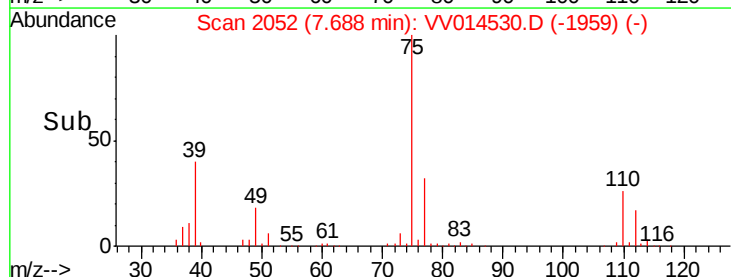
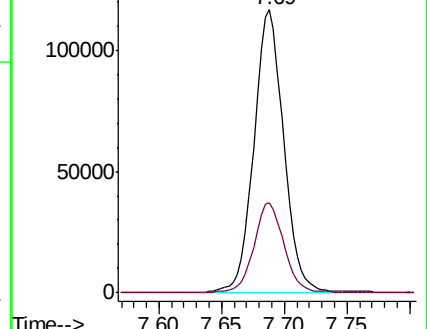
75 100

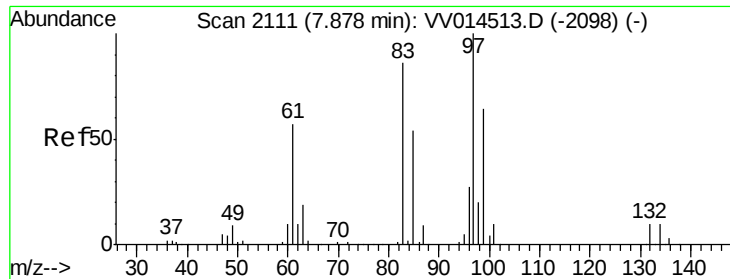
77 32.0 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

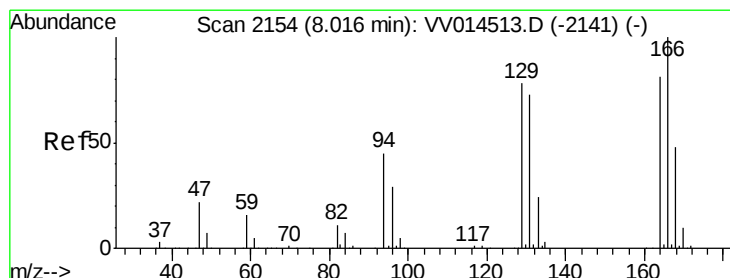
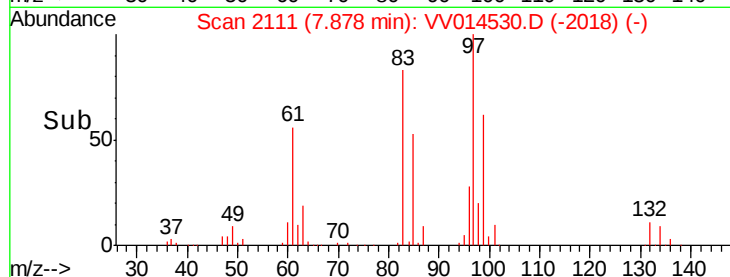
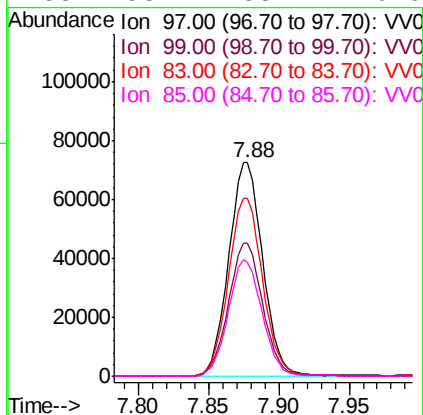
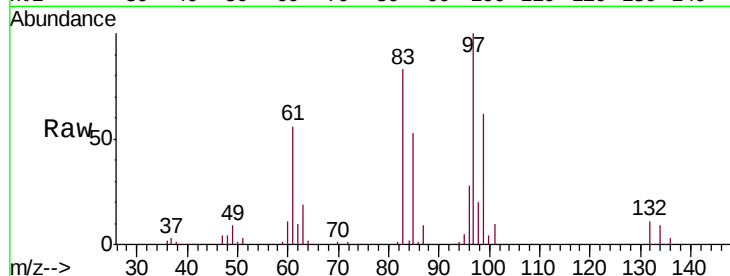




#45
 1,1,2-Trichloroethane
 Concen: 50.103 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

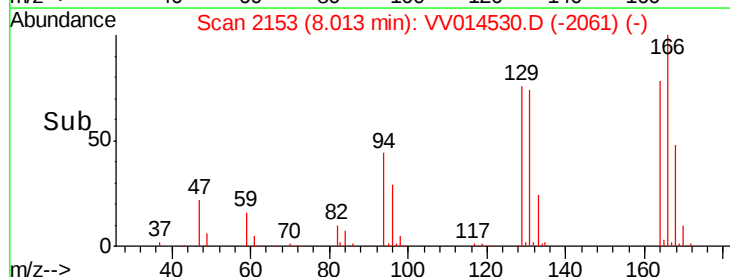
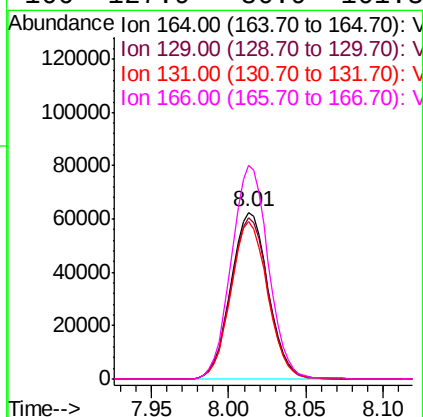
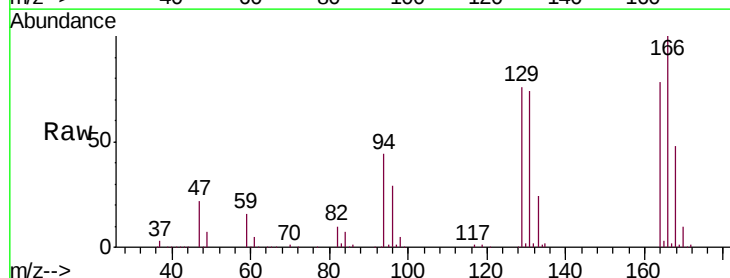
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD050208

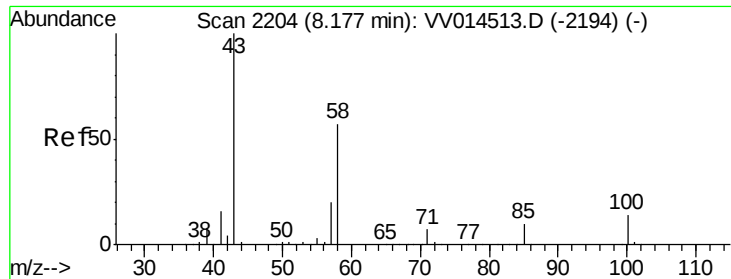
Tgt Ion:	97	Resp:	122344
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.5	82.7
83	83.4	60.1	111.5
85	53.4	38.1	70.9



#46
 Tetrachloroethene
 Concen: 51.836 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

Tgt Ion:	164	Resp:	104741
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.0	126.4
131	94.3	63.4	117.8
166	127.9	86.9	161.3

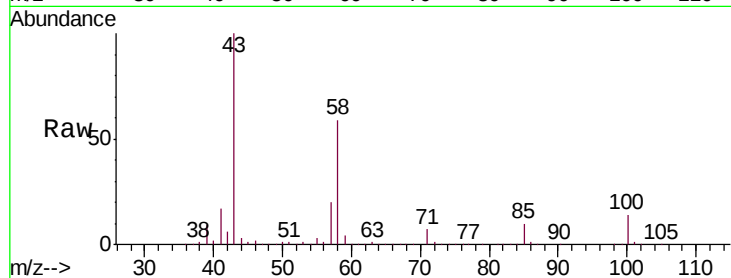




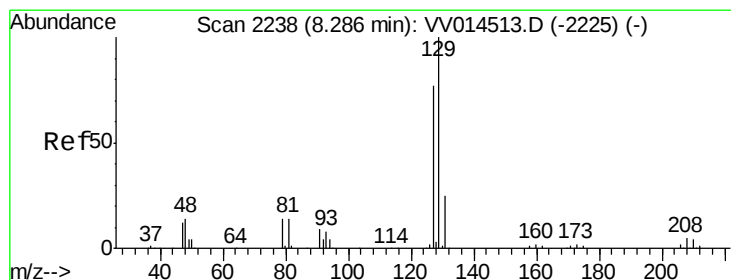
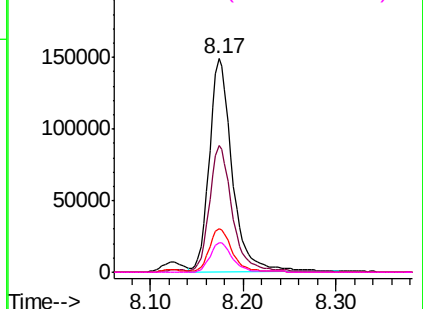
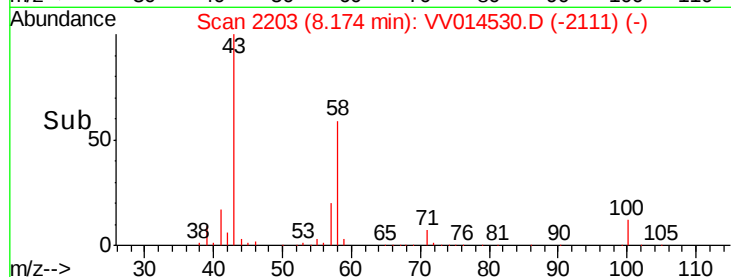
#48
2-Hexanone
Concen: 100.434 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD050208

Tgt Ion: 43 Resp: 254307
Ion Ratio Lower Upper
43 100
58 58.0 45.5 68.3
57 19.5 15.8 23.6
100 13.9 10.8 16.2

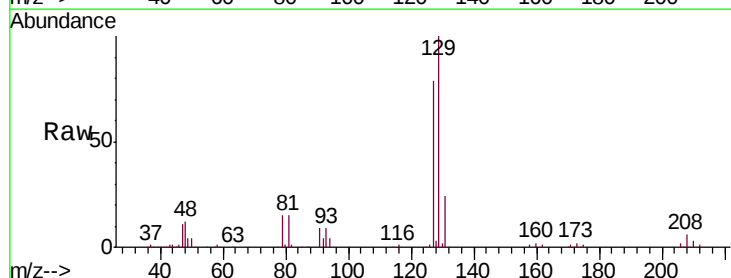


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

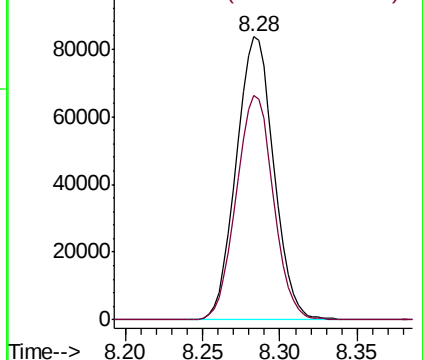
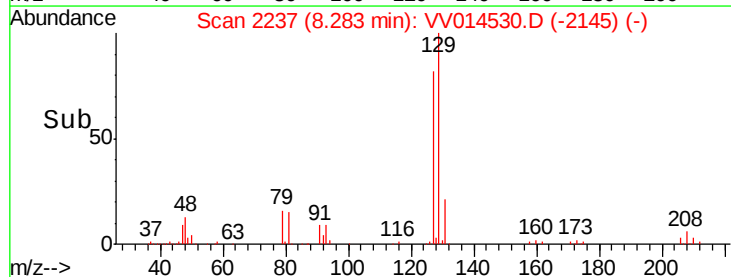


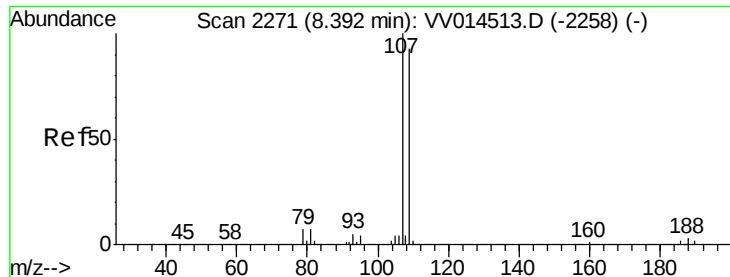
#49
Dibromochloromethane
Concen: 51.306 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Tgt Ion: 129 Resp: 141444
Ion Ratio Lower Upper
129 100
127 79.1 54.1 100.5



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





#50

1,2-Dibromoethane

Concen: 50.630 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050208

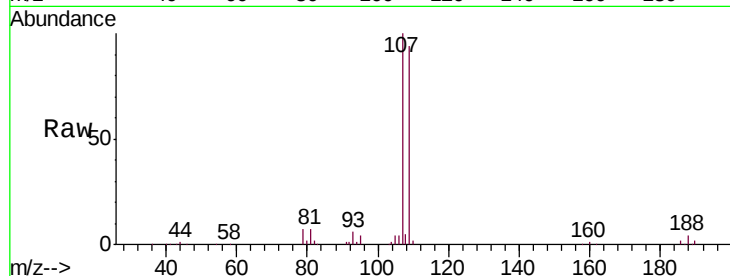
Tgt Ion:107 Resp: 133901

Ion Ratio Lower Upper

107 100

109 94.1 65.2 121.2

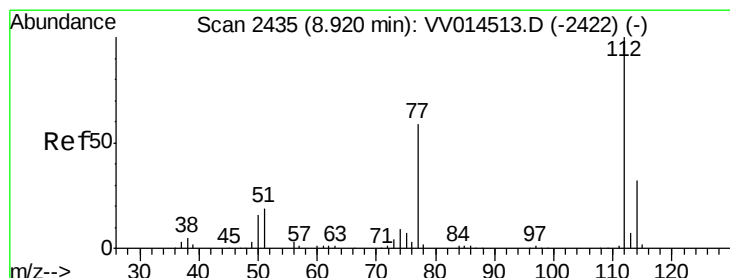
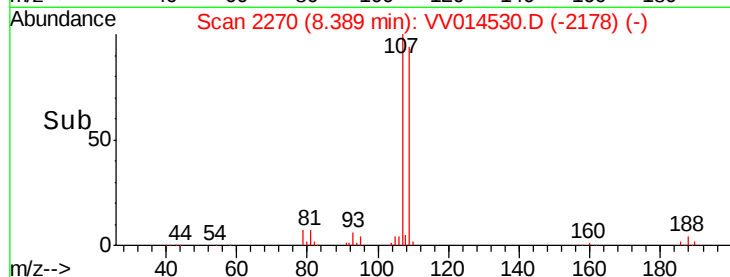
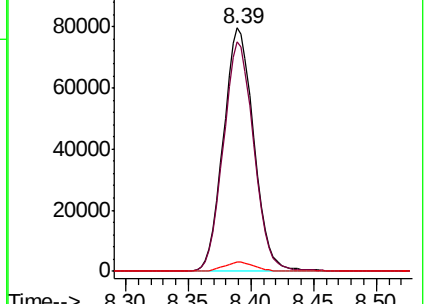
188 3.8 2.6 4.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.824 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

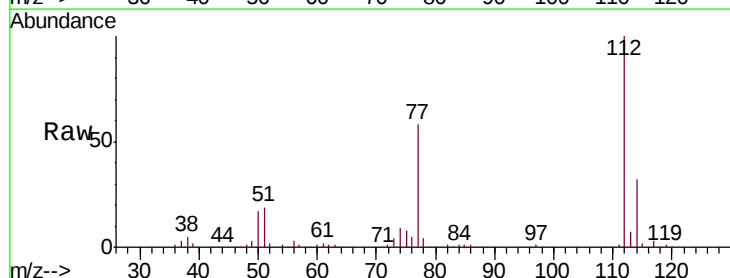
Tgt Ion:112 Resp: 355689

Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.5

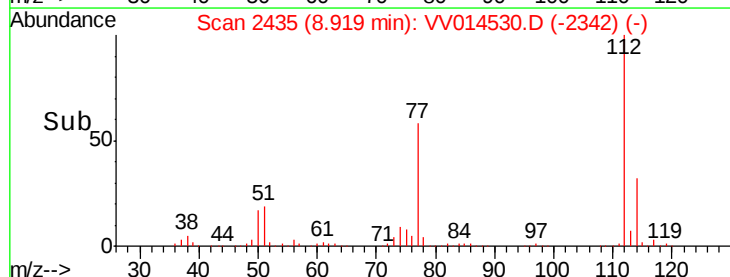
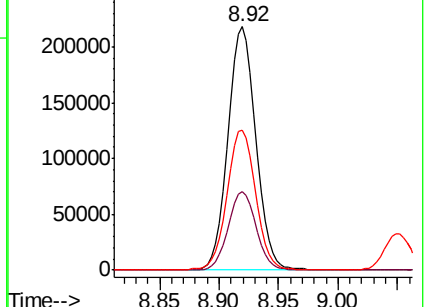
77 57.7 47.3 70.9

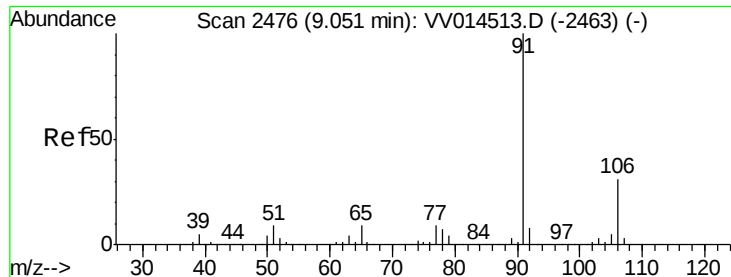


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 50.943 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

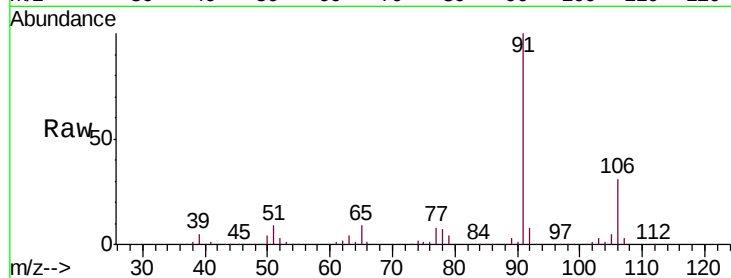
VSTD050208

Tgt Ion: 91 Resp: 612079

Ion Ratio Lower Upper

91 100

106 31.2 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV014530.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV014530.D (-2463) (-)

9.05

400000

300000

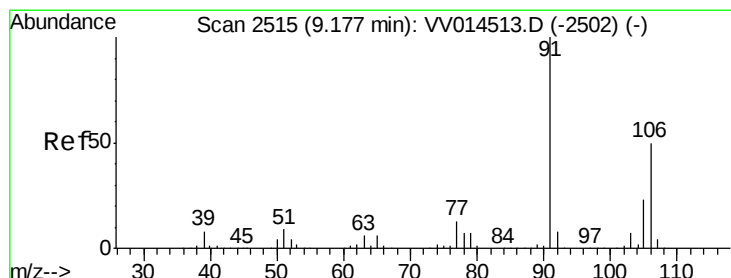
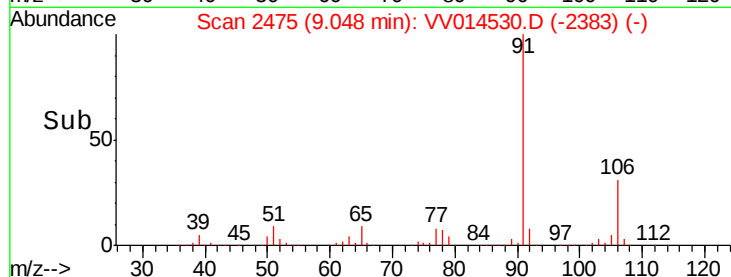
200000

100000

0

9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 51.218 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014530.D

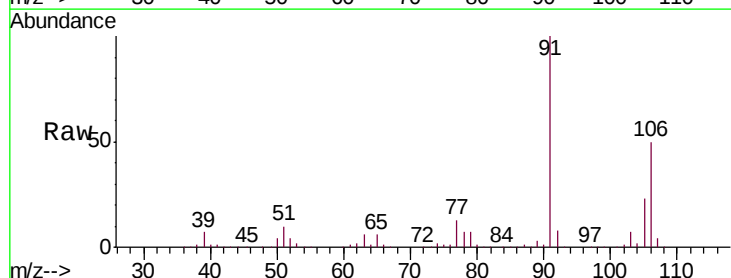
Acq: 07 Feb 2020 11:19

Tgt Ion: 106 Resp: 237041

Ion Ratio Lower Upper

106 100

91 200.0 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): VV014530.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV014530.D (-2502) (-)

9.18

300000

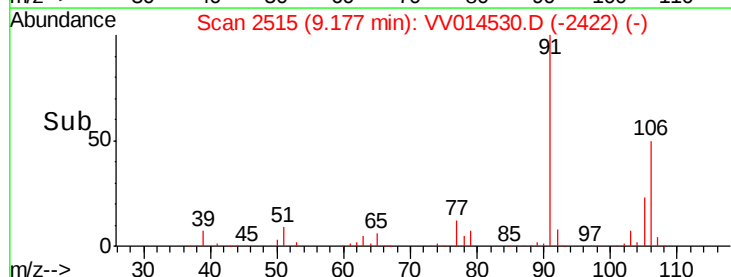
200000

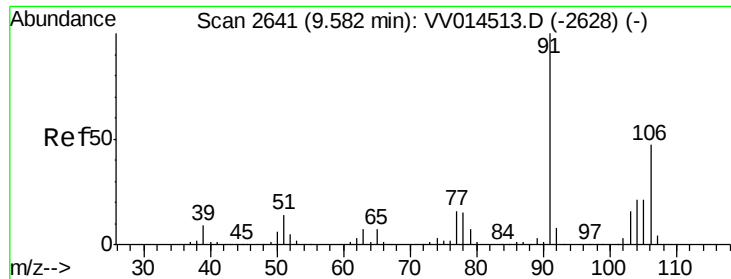
100000

0

9.10 9.15 9.20 9.25

Time-->

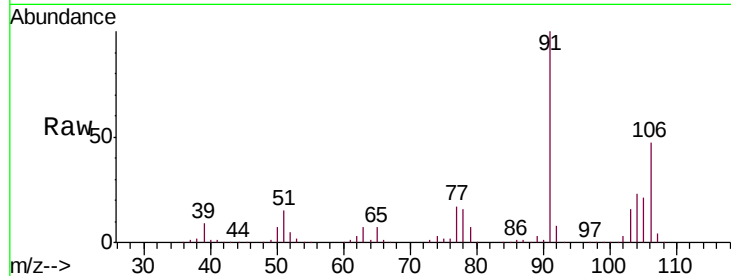




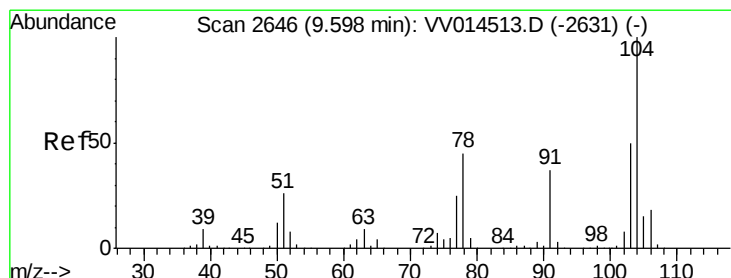
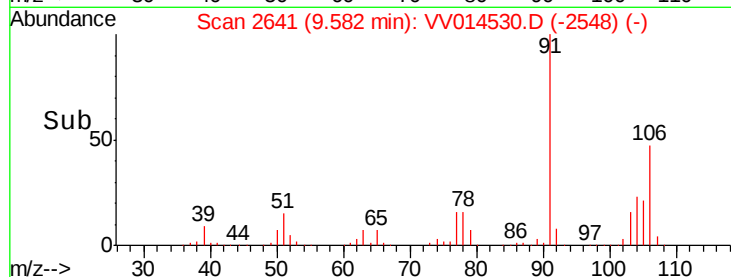
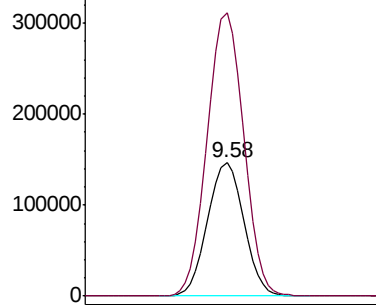
#54
o-Xylene
Concen: 51.310 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD050208

Tgt Ion:106 Resp: 227289
Ion Ratio Lower Upper
106 100
91 212.5 149.4 277.4

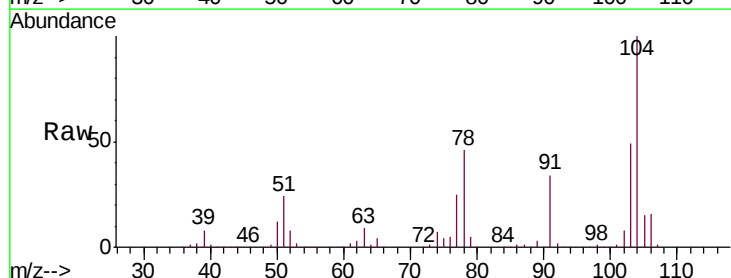


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

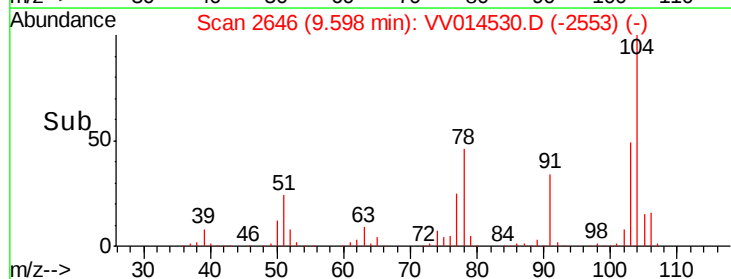
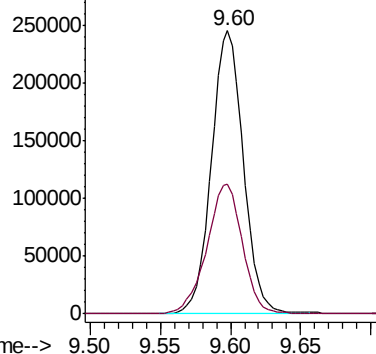


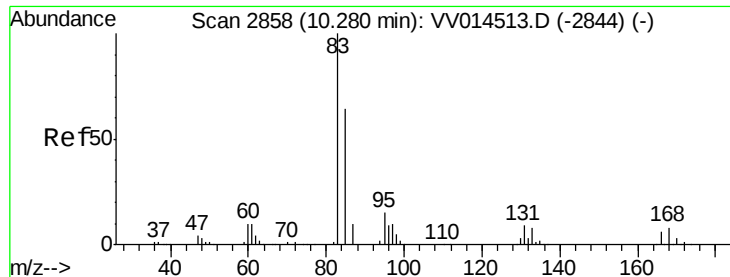
#55
Styrene
Concen: 51.394 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Tgt Ion:104 Resp: 389095
Ion Ratio Lower Upper
104 100
78 45.8 31.6 58.8



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





#57

1,1,2,2-Tetrachloroethane

Concen: 51.116 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050208

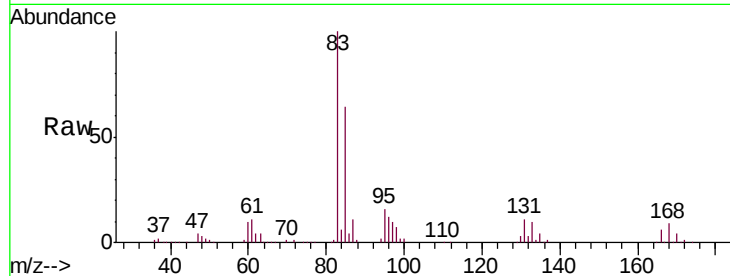
Tgt Ion: 83 Resp: 195631

Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

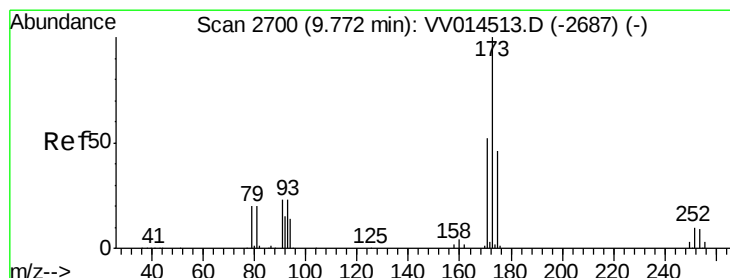
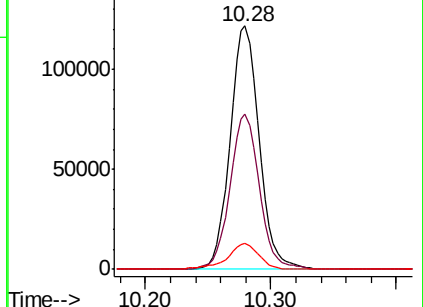
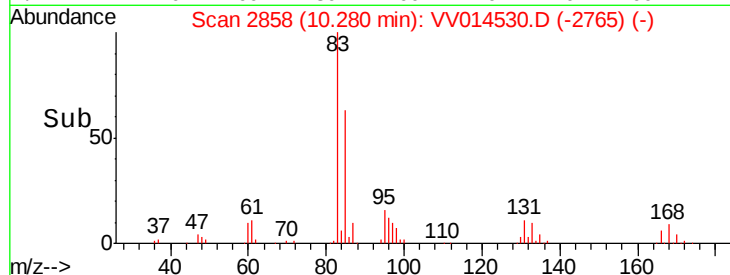
131 10.5 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VV014530.D (-2844) (-)

Ion 85.00 (84.70 to 85.70): VV014530.D (-2844) (-)

Ion 131.00 (130.70 to 131.70): VV014530.D (-2844) (-)



#59

Bromoform

Concen: 50.459 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

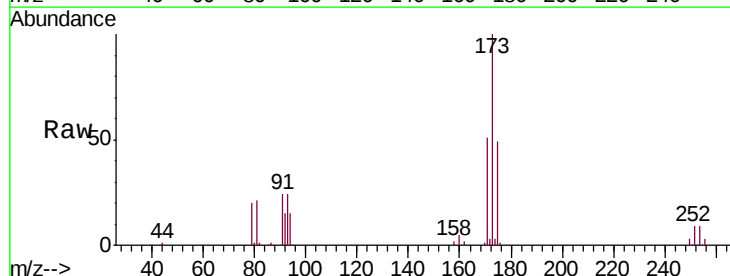
Tgt Ion: 173 Resp: 97142

Ion Ratio Lower Upper

173 100

175 49.1 37.8 56.8

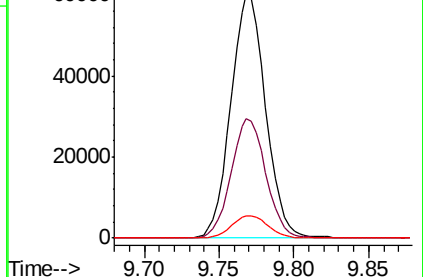
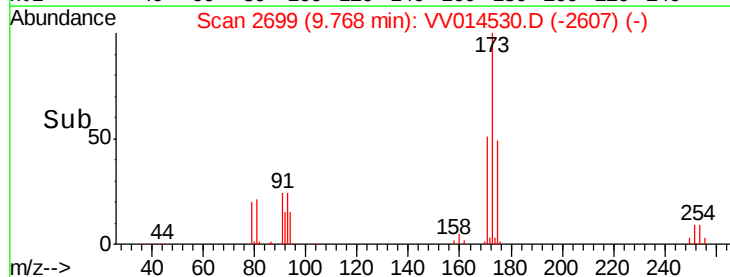
254 9.5 7.0 10.6

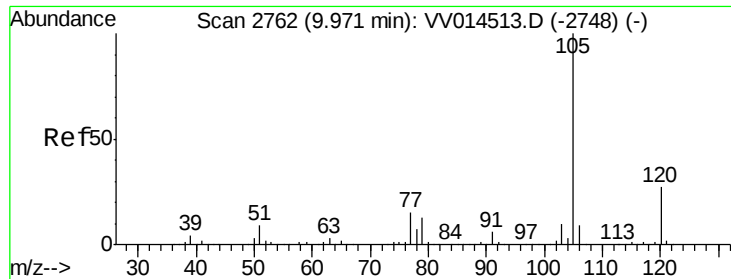


Abundance Ion 173.00 (172.70 to 173.70): VV014530.D (-2687) (-)

Ion 175.00 (174.70 to 175.70): VV014530.D (-2687) (-)

Ion 254.00 (253.70 to 254.70): VV014530.D (-2687) (-)





#60

Isopropylbenzene

Concen: 51.392 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050208

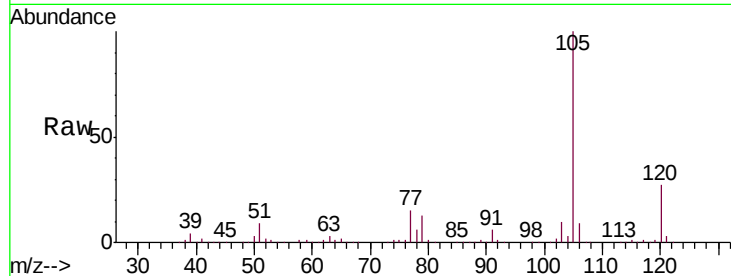
Tgt Ion:105 Resp: 599862

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

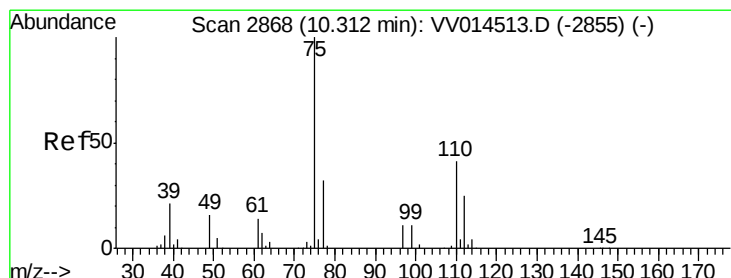
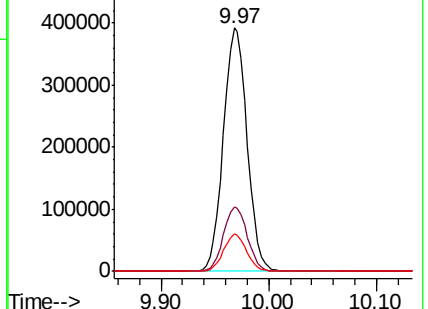
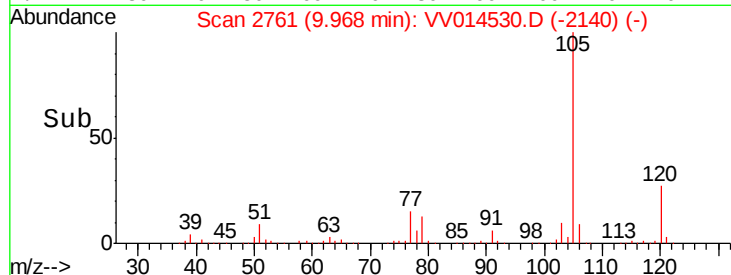
77 15.0 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 49.977 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

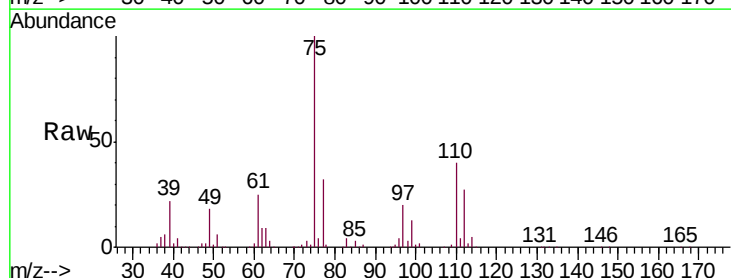
Tgt Ion: 75 Resp: 152770

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

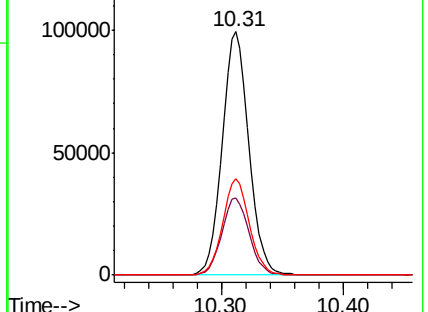
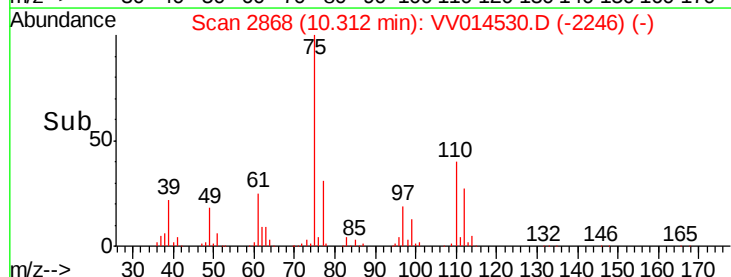
110 39.8 32.4 48.6

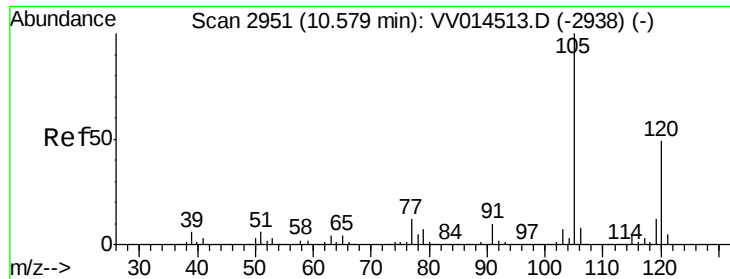


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

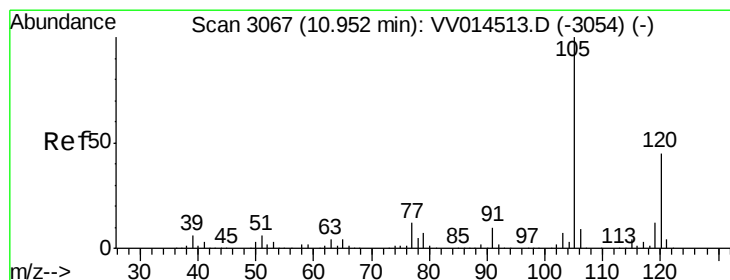
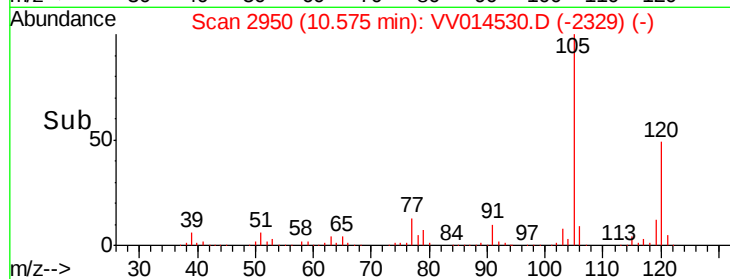
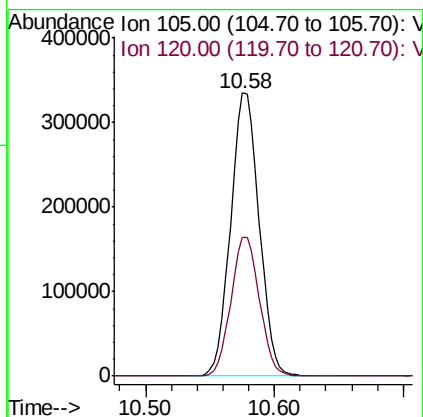
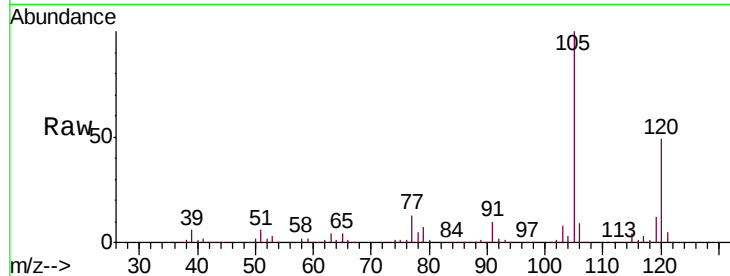




#62
 1,3,5-Trimethylbenzene
 Concen: 51.420 ug/L
 RT: 10.58 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

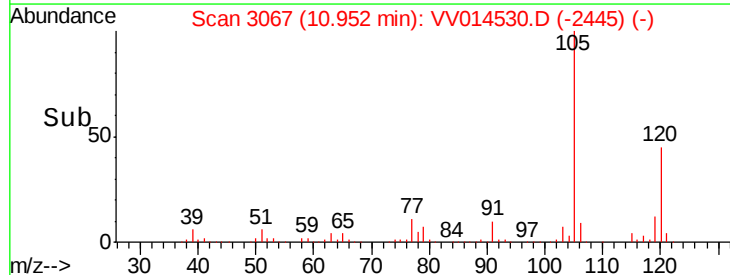
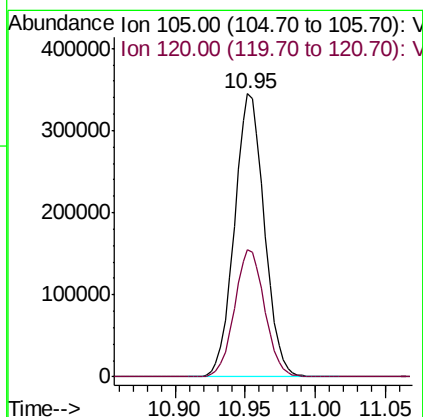
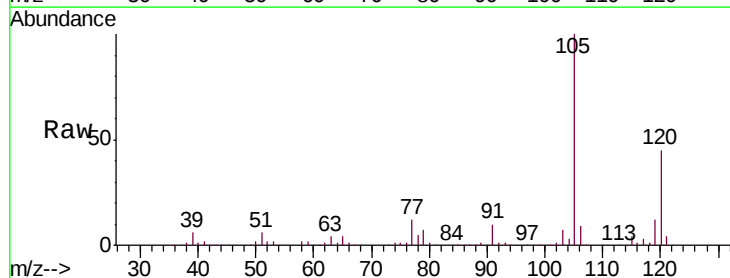
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050208

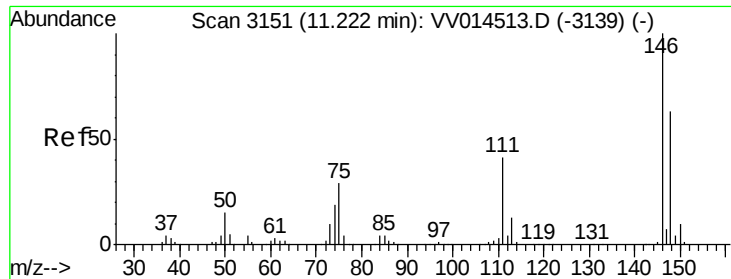
Tgt Ion:105 Resp: 513820
 Ion Ratio Lower Upper
 105 100
 120 49.1 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 51.887 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

Tgt Ion:105 Resp: 511144
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 51.323 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050208

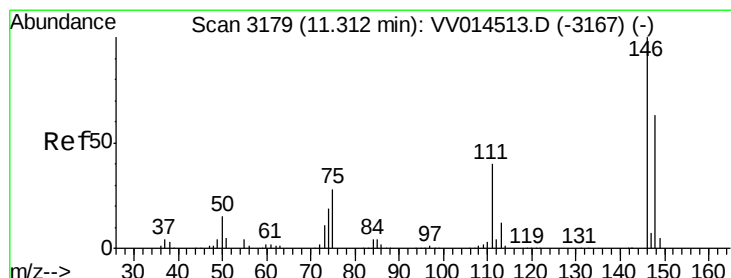
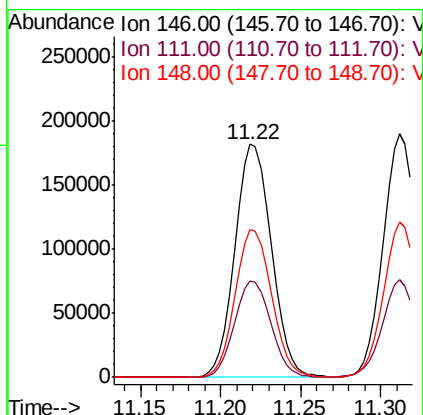
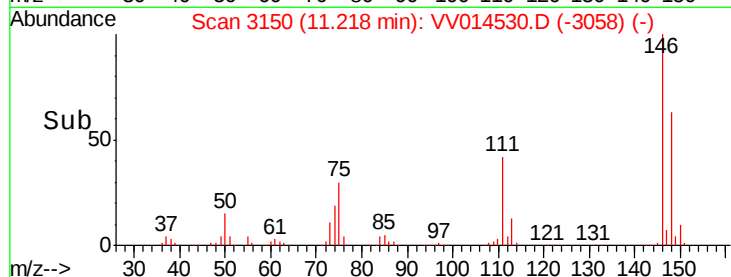
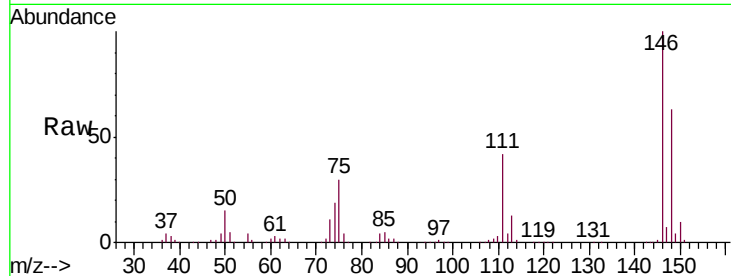
Tgt Ion:146 Resp: 282569

Ion Ratio Lower Upper

146 100

111 41.6 28.9 53.7

148 63.1 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 50.421 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014530.D

Acq: 07 Feb 2020 11:19

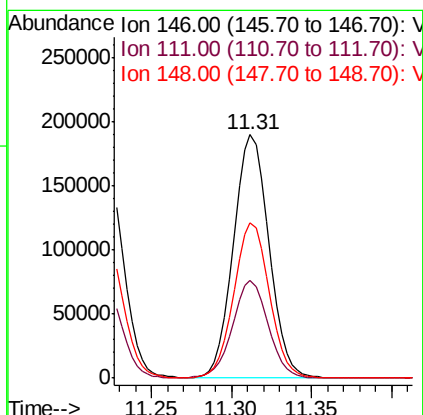
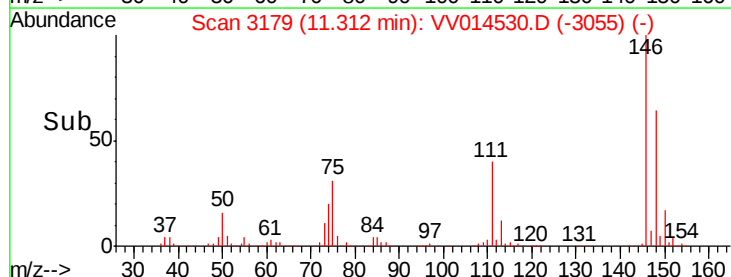
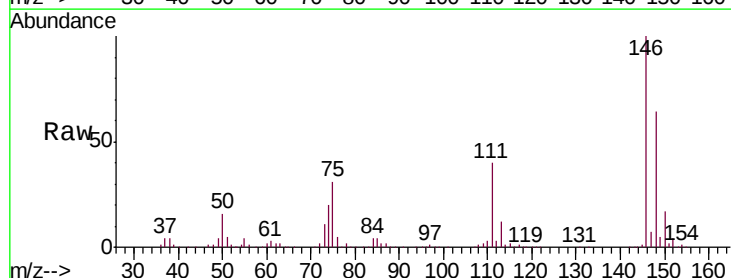
Tgt Ion:146 Resp: 285786

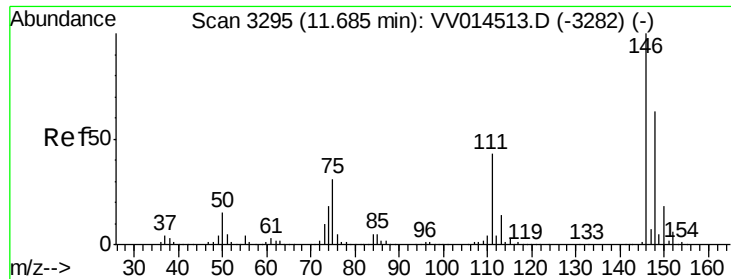
Ion Ratio Lower Upper

146 100

111 40.2 28.1 52.3

148 63.5 44.4 82.4

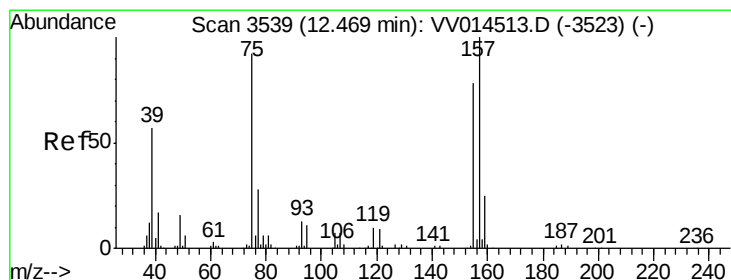
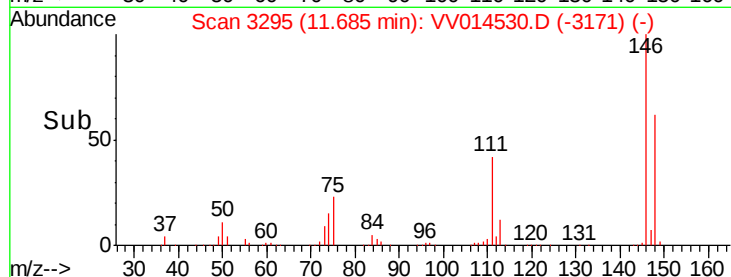
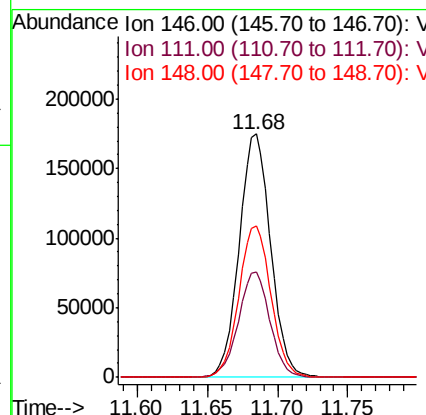
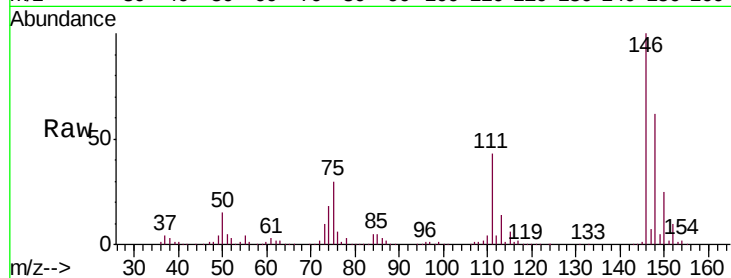




#67
 1,2-Dichlorobenzene
 Concen: 51.295 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

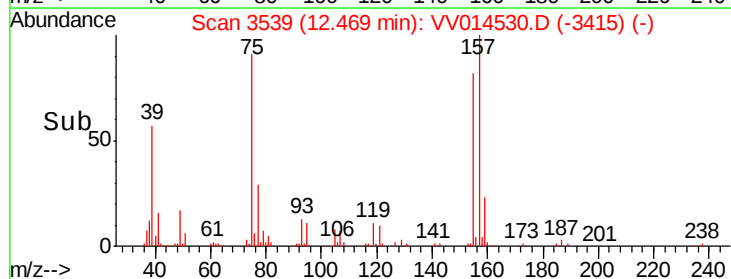
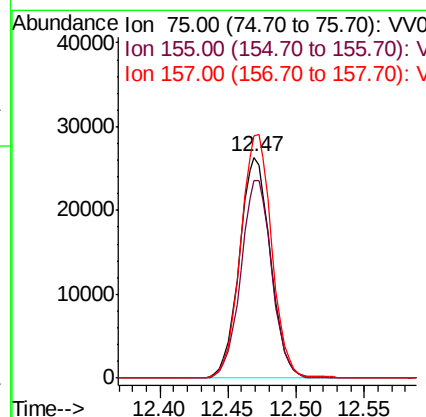
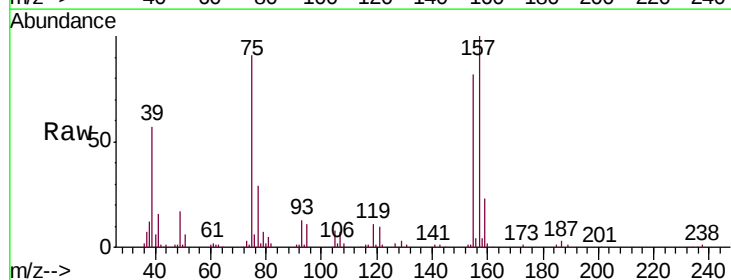
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050208

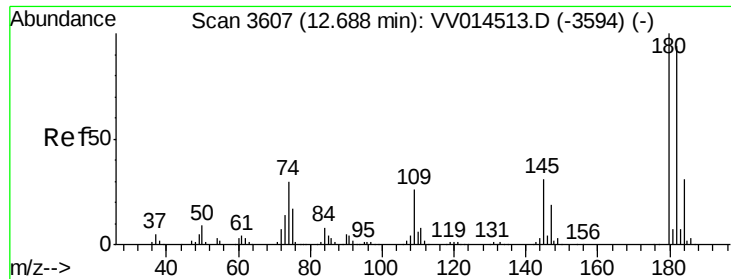
Tgt Ion: 146 Resp: 273817
 Ion Ratio Lower Upper
 146 100
 111 43.1 34.6 51.8
 148 62.1 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 48.893 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

Tgt Ion: 75 Resp: 41854
 Ion Ratio Lower Upper
 75 100
 155 89.4 68.3 102.5
 157 109.6 87.1 130.7

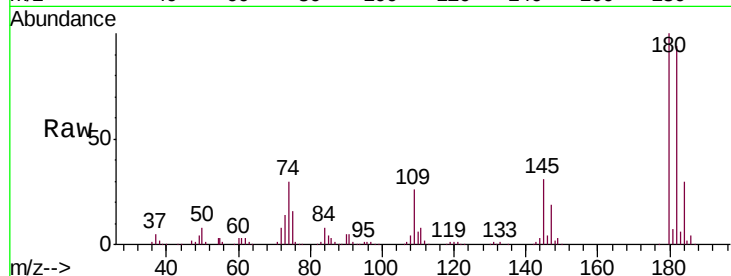




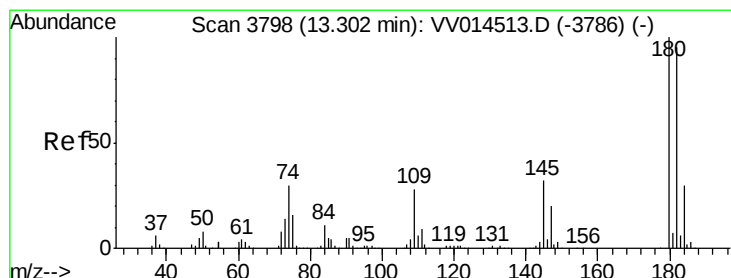
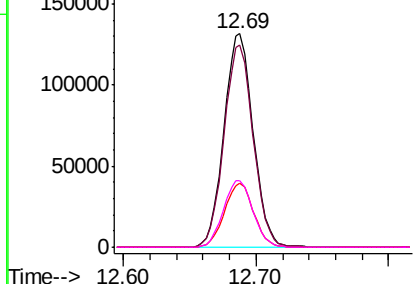
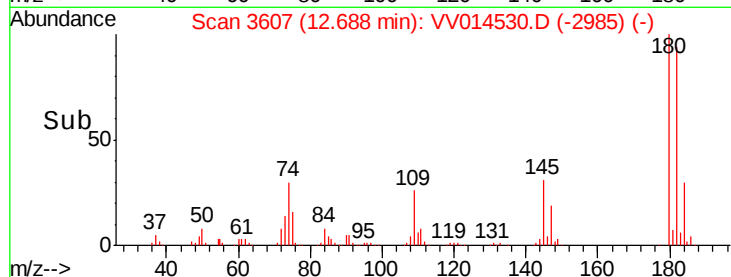
#69
 1,3,5-Trichlorobenzene
 Concen: 51.799 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050208

Tgt Ion:	180	Resp:	200918
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.0	112.4
184	30.0	24.2	36.2
145	31.8	24.3	36.5

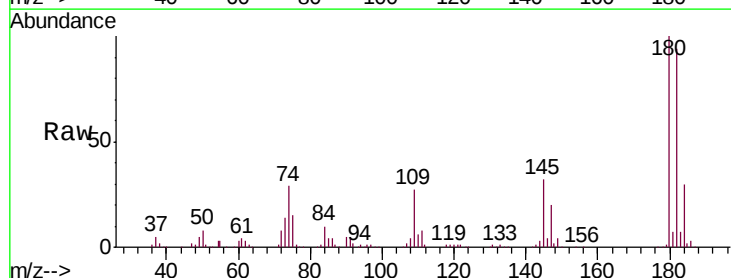


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

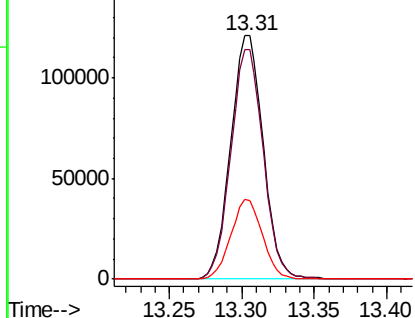
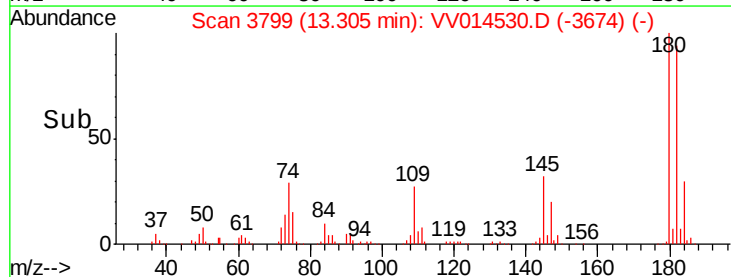


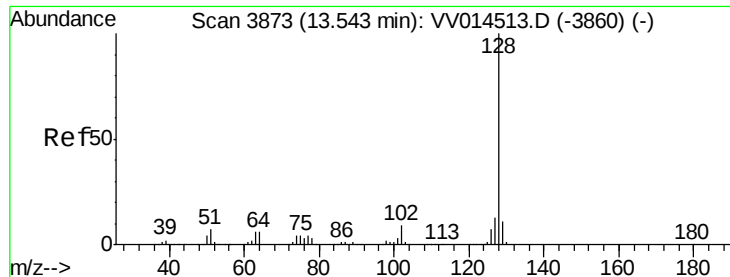
#70
 1,2,4-trichlorobenzene
 Concen: 52.722 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014530.D
 Acq: 07 Feb 2020 11:19

Tgt Ion:	180	Resp:	187753
Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.0	114.0
145	31.9	25.3	37.9



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

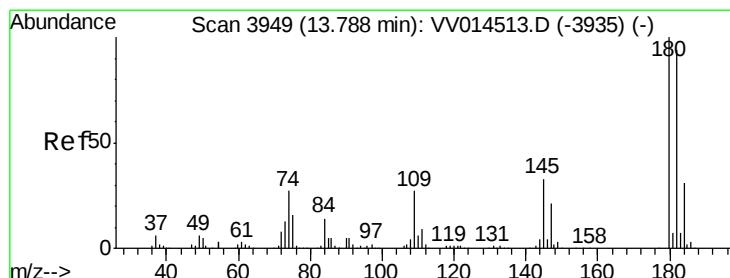
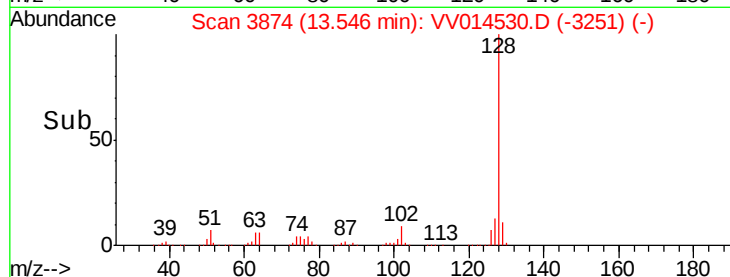
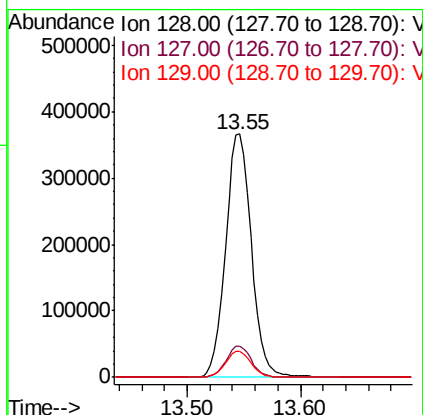
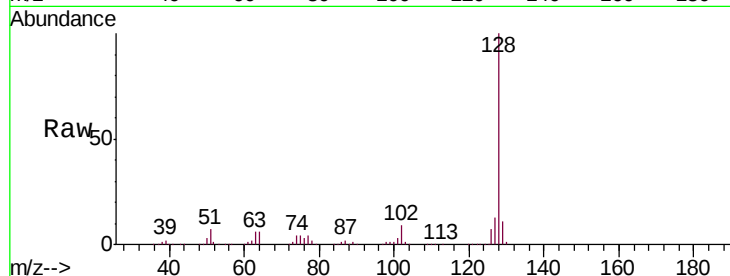




#71
Naphthalene
Concen: 49.837 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD050208

Tgt Ion:128 Resp: 582991
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 50.741 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV014530.D
Acq: 07 Feb 2020 11:19

Tgt Ion:180 Resp: 175568
Ion Ratio Lower Upper
180 100
182 95.3 75.2 112.8
145 34.7 27.1 40.7

