

Data File : VV014539.D
Acq On : 07 Feb 2020 15:40
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD050209

Quant Time: Feb 08 00:07:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 08 00:03:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	367111	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	341360	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	174824	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83726	42.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.12%
7) Chloroethane-d5	1.58	69	57665	42.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.06%
11) 1,1-Dichloroethene-d2	2.13	63	126814	41.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.88%
21) 2-Butanone-d5	3.92	46	135047	87.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.88%
24) Chloroform-d	4.40	84	214707	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
26) 1,2-Dichloroethane-d4	5.07	65	131538	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.00%
32) Benzene-d6	5.09	84	441335	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
36) 1,2-Dichloropropane-d6	6.11	67	136100	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.92%
41) Toluene-d8	7.35	98	419059	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%
43) trans-1,3-Dichloropropene-	7.66	79	71199	45.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.62%
47) 2-Hexanone-d5	8.12	63	114051	92.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.49%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	175551	46.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.28%
66) 1,2-Dichlorobenzene-d4	11.67	152	157459	46.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	126480	43.009	ug/L	99
3) Chloromethane	1.26	50	114564	38.475	ug/L	99
5) Vinyl chloride	1.33	62	84443	37.026	ug/L	100
6) Bromomethane	1.53	94	39290	37.465	ug/L	99
8) Chloroethane	1.60	64	39940	35.244	ug/L	97
9) Trichlorofluoromethane	1.77	101	128458	41.814	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	57984	39.306	ug/L	99
12) 1,1-Dichloroethene	2.14	96	54607	38.702	ug/L	92
13) Acetone	2.18	43	84533	65.698	ug/L	100
14) Carbon disulfide	2.32	76	260964	38.093	ug/L	99
15) Methyl Acetate	2.45	43	89463	36.159	ug/L	97
16) Methylene chloride	2.53	84	108791	40.599	ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	103079	41.465	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	315235	40.044	ug/L	99
19) 1,1-Dichloroethane	3.23	63	178756	40.213	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	111618	39.900	ug/L	98
22) 2-Butanone	4.00	43	136464	71.710	ug/L	93

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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	54899	41.444	ug/L	93
25) Chloroform	4.42	83	188119	41.619	ug/L	99
27) 1,2-Dichloroethane	5.17	62	137553	40.842	ug/L	98
29) Cyclohexane	4.72	56	163602	38.980	ug/L	95
30) 1,1,1-Trichloroethane	4.65	97	163107	41.866	ug/L	98
31) Carbon tetrachloride	4.87	117	142890	41.574	ug/L	99
33) Benzene	5.14	78	409377	40.792	ug/L	100
34) Trichloroethene	5.96	95	108688	40.858	ug/L	97
35) Methylcyclohexane	6.17	83	178228	40.999	ug/L	97
37) 1,2-Dichloropropane	6.21	63	101820	39.832	ug/L	100
38) Bromodichloromethane	6.55	83	140003	40.810	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	171458	40.209	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	246500	74.621	ug/L	98
42) Toluene	7.42	91	441467	41.028	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	157397	41.167	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	99979	40.768	ug/L	99
46) Tetrachloroethene	8.01	164	84144	41.464	ug/L	95
48) 2-Hexanone	8.17	43	182799	71.883	ug/L	95
49) Dibromochloromethane	8.28	129	116117	41.938	ug/L	98
50) 1,2-Dibromoethane	8.39	107	108900	41.000	ug/L	97
51) Chlorobenzene	8.92	112	290868	41.384	ug/L	97
52) Ethylbenzene	9.05	91	497909	41.263	ug/L	99
53) m,p-Xylene	9.17	106	191181	41.131	ug/L	99
54) o-Xylene	9.58	106	187087	42.053	ug/L	96
55) Styrene	9.60	104	317408	41.745	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	157043	40.858	ug/L	99
59) Bromoform	9.77	173	77624	39.809	ug/L	98
60) Isopropylbenzene	9.97	105	487656	41.248	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	121915	39.377	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	419322	41.430	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	416012	41.693	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	231000	41.423	ug/L	100
65) 1,4-Dichlorobenzene	11.31	146	233620	40.694	ug/L	100
67) 1,2-Dichlorobenzene	11.68	146	221701	41.004	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	33381	38.499	ug/L	99
69) 1,3,5-Trichlorobenzene	12.68	180	162276	41.305	ug/L	98
70) 1,2,4-trichlorobenzene	13.30	180	150644	41.764	ug/L	100
71) Naphthalene	13.54	128	471696	39.811	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	142816	40.751	ug/L	99

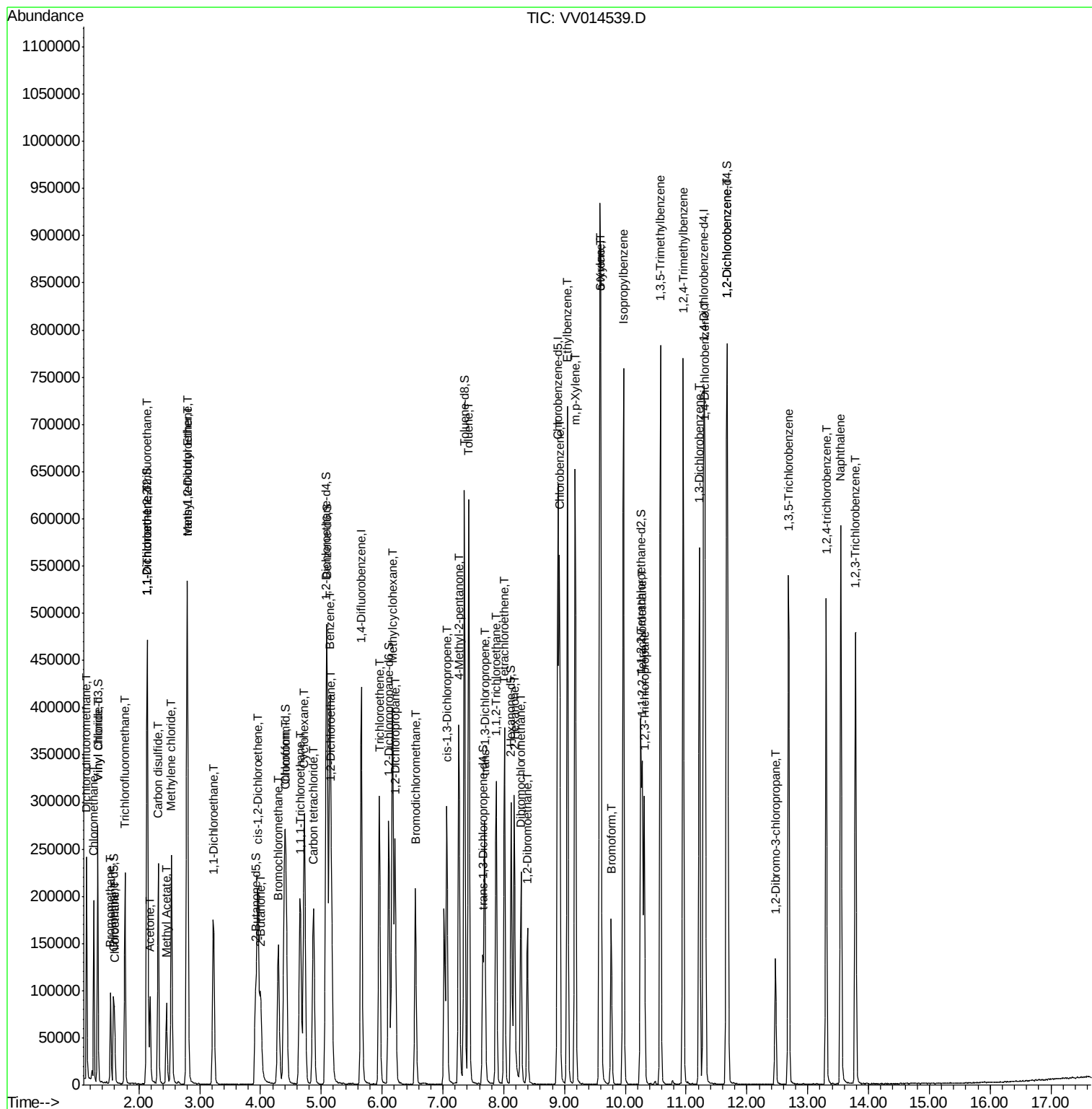
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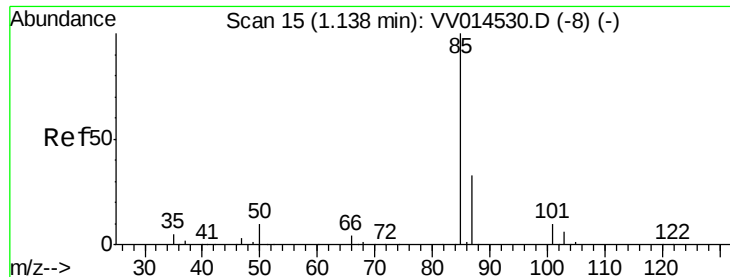
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#2

Dichlorodifluoromethane

Concen: 43.009 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

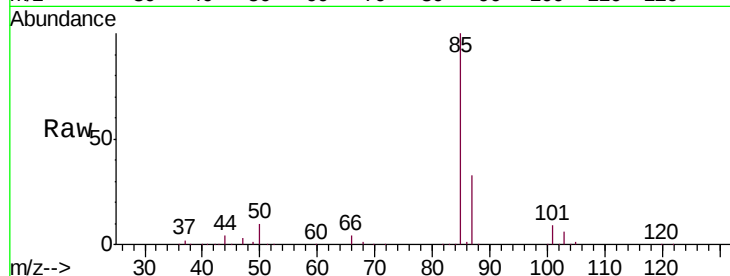
VSTD050209

Tgt Ion: 85 Resp: 126480

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV014539.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014539.D (-8) (-)

1.14

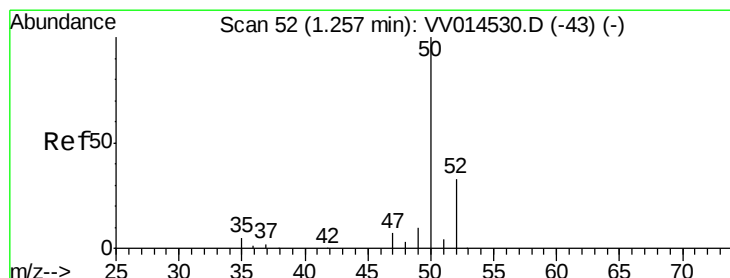
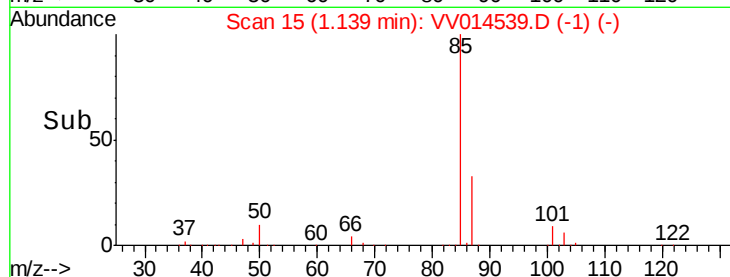
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 38.475 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014539.D

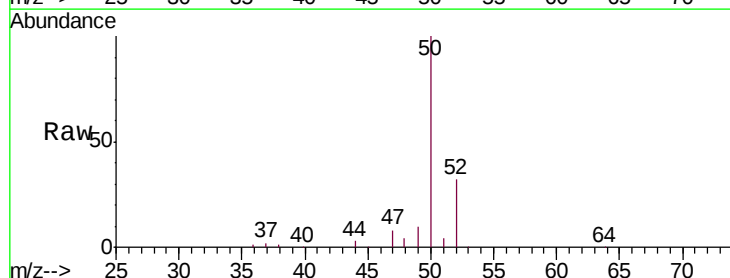
Acq: 07 Feb 2020 15:40

Tgt Ion: 50 Resp: 114564

Ion Ratio Lower Upper

50 100

52 32.1 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014539.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV014539.D (-43) (-)

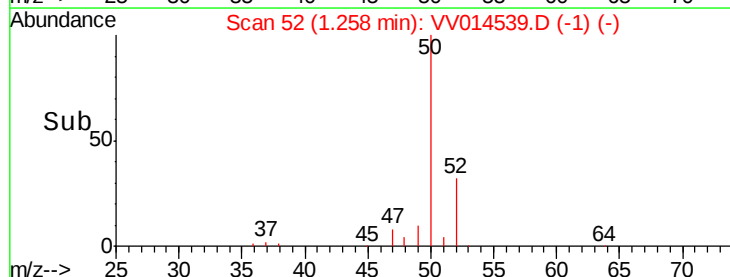
1.26

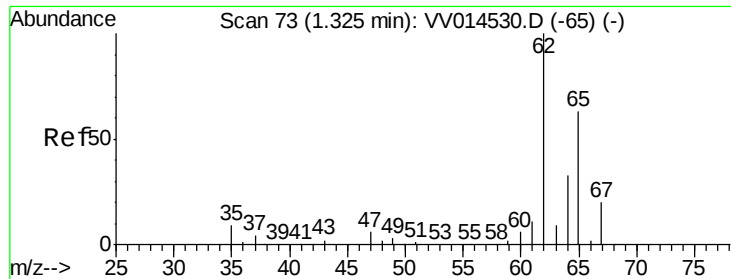
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 37.026 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

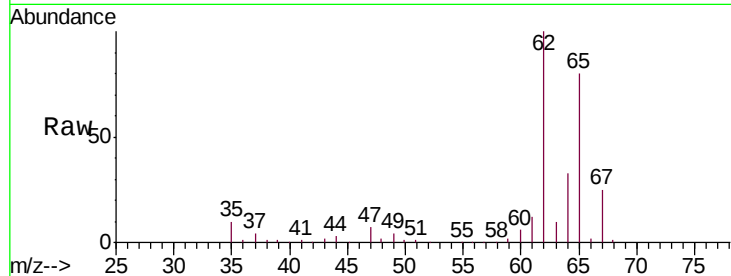
VSTD050209

Tgt Ion: 62 Resp: 84443

Ion Ratio Lower Upper

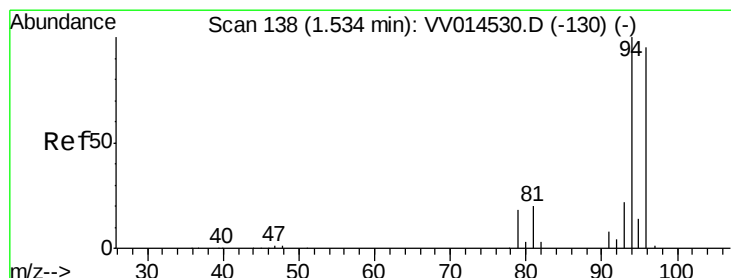
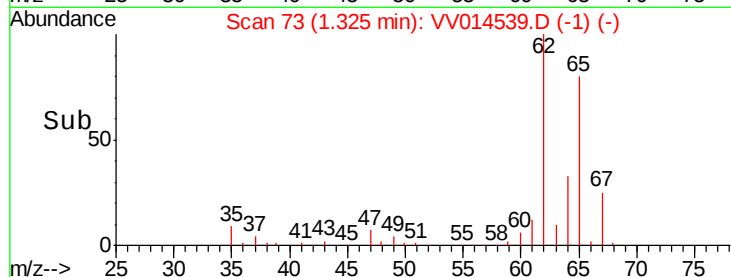
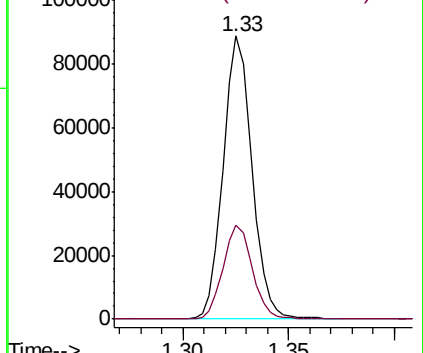
62 100

64 33.1 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: 37.465 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014539.D

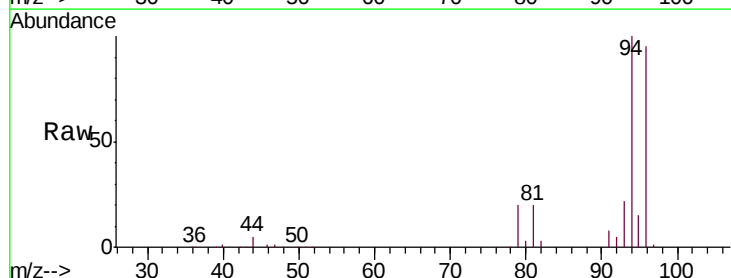
Acq: 07 Feb 2020 15:40

Tgt Ion: 94 Resp: 39290

Ion Ratio Lower Upper

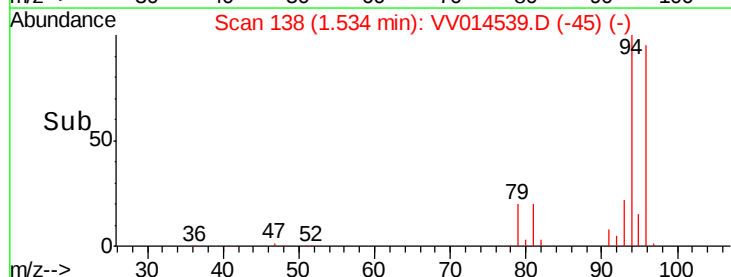
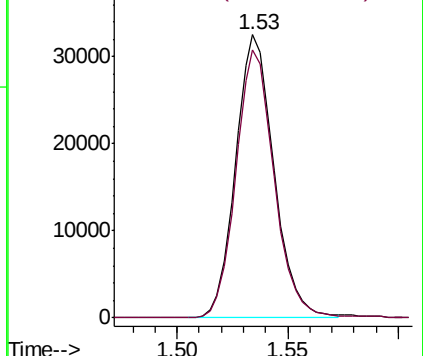
94 100

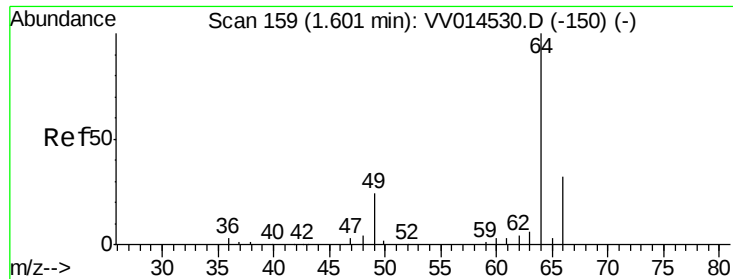
96 94.9 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 35.244 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

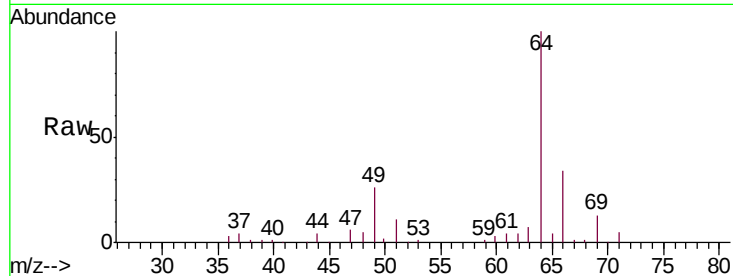
VSTD050209

Tgt Ion: 64 Resp: 39940

Ion Ratio Lower Upper

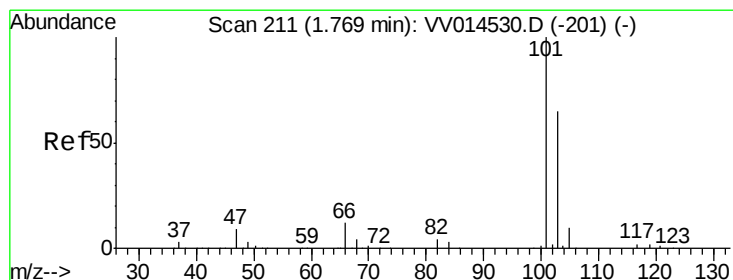
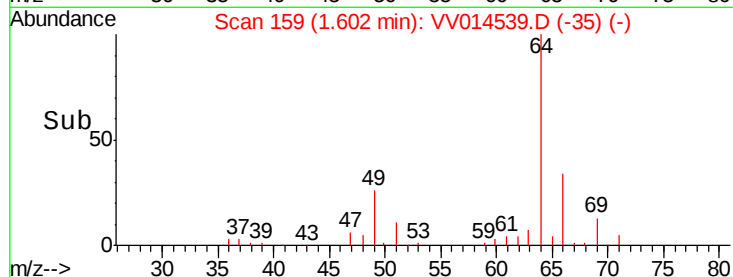
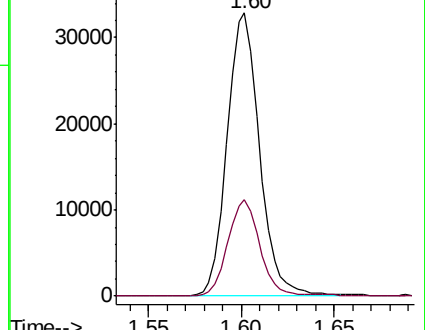
64 100

66 33.9 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) (-)



#9

Trichlorofluoromethane

Concen: 41.814 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014539.D

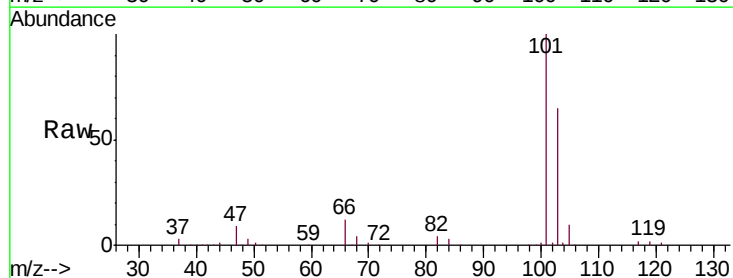
Acq: 07 Feb 2020 15:40

Tgt Ion: 101 Resp: 128458

Ion Ratio Lower Upper

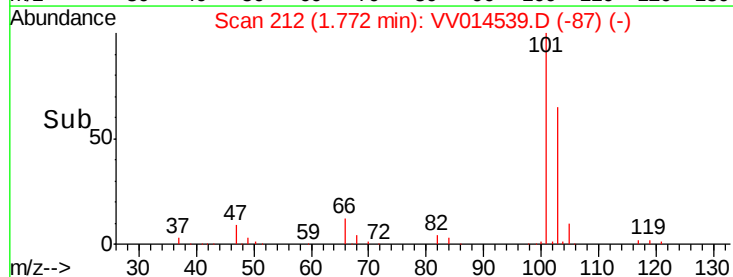
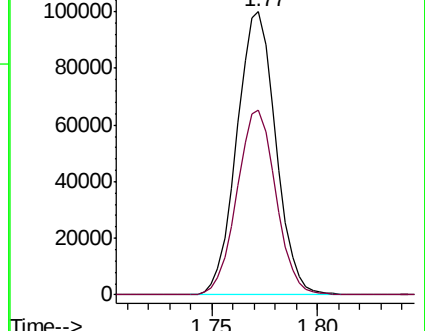
101 100

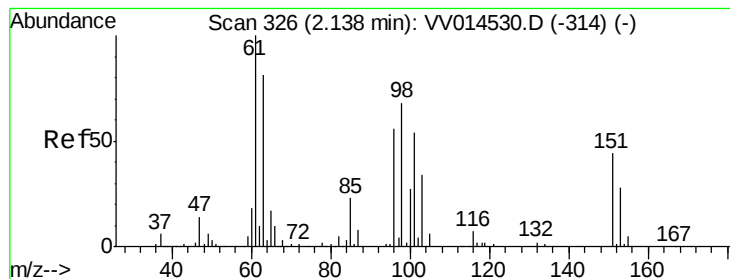
103 65.4 51.8 77.8



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

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





#10

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

Concen: 39.306 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050209

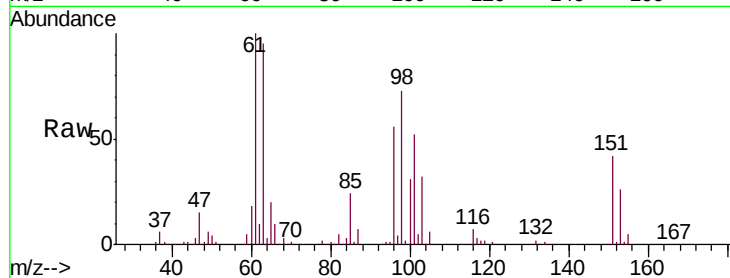
Tgt Ion: 101 Resp: 57984

Ion Ratio Lower Upper

101 100

85 45.0 35.0 52.6

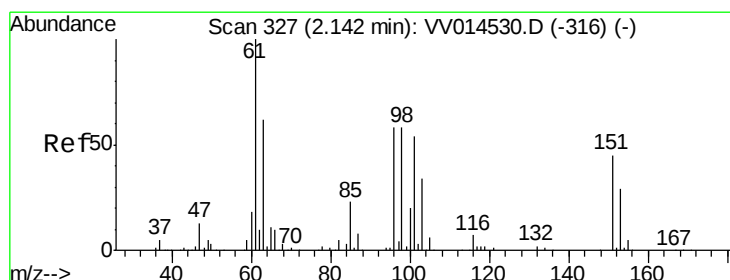
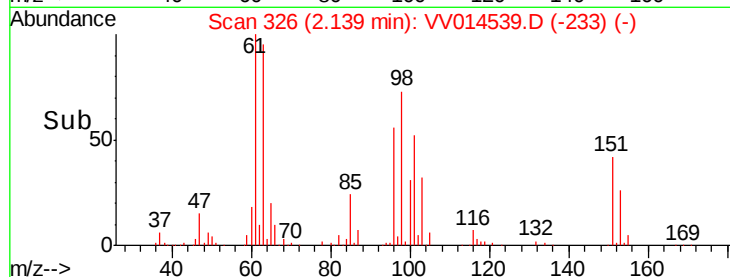
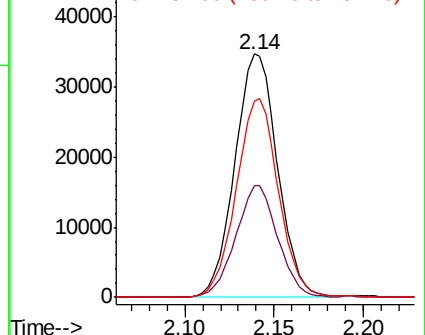
151 80.6 64.4 96.6



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: 38.702 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

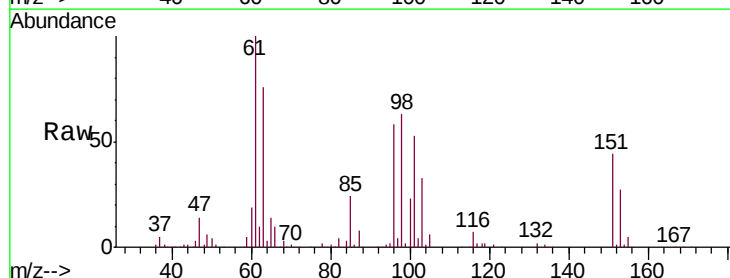
Tgt Ion: 96 Resp: 54607

Ion Ratio Lower Upper

96 100

61 171.7 125.0 232.2

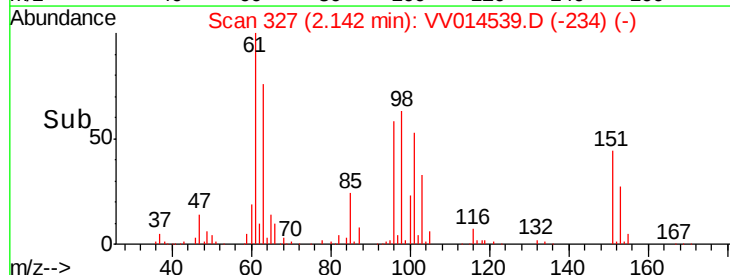
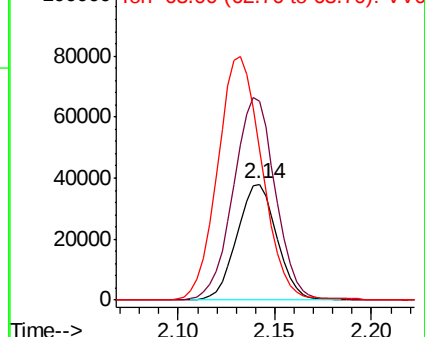
63 130.4 101.6 188.6

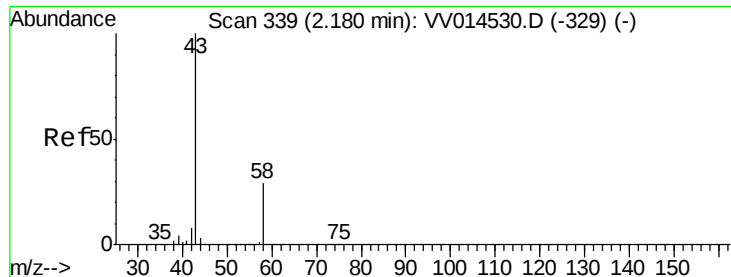


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 65.698 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

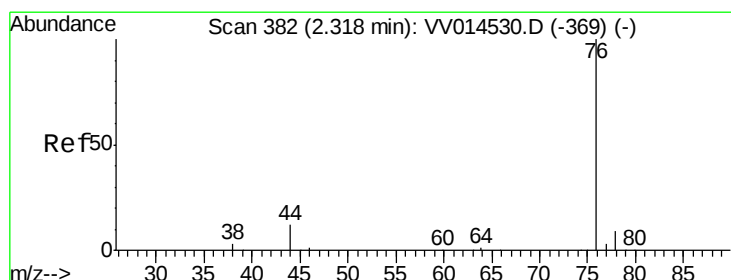
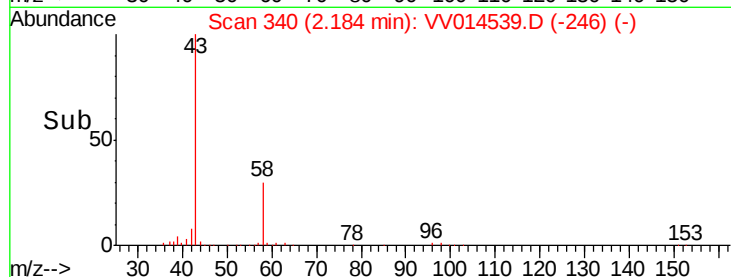
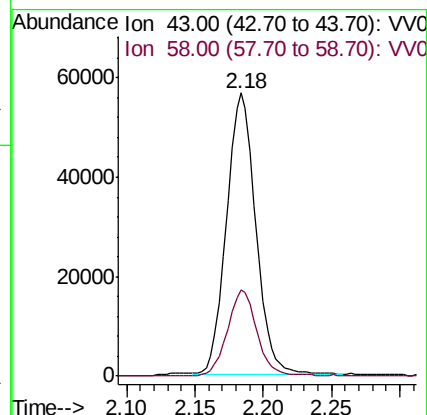
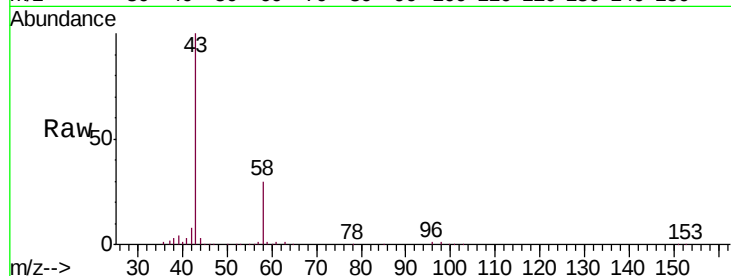
VSTD050209

Tgt Ion: 43 Resp: 84533

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.8



#14

Carbon disulfide

Concen: 38.093 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014539.D

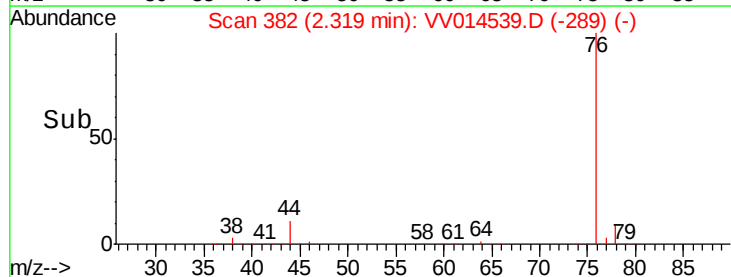
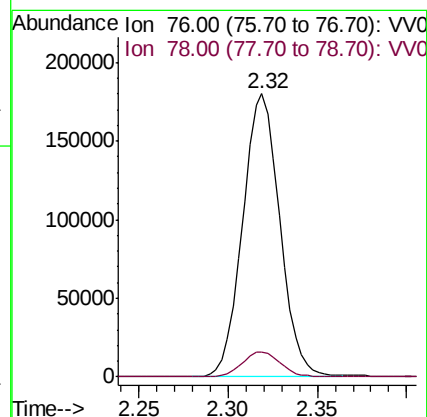
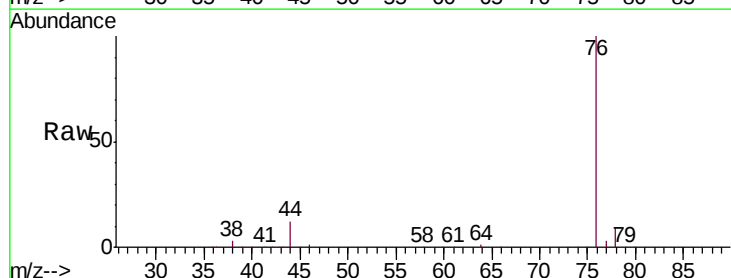
Acq: 07 Feb 2020 15:40

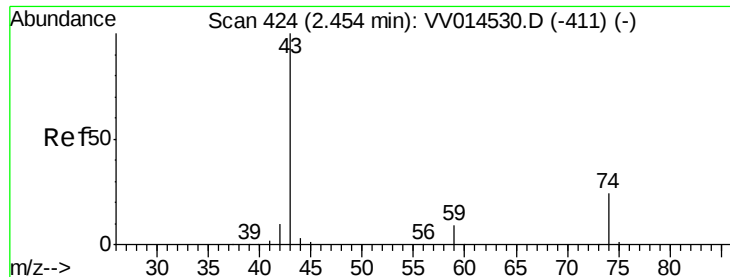
Tgt Ion: 76 Resp: 260964

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 36.159 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

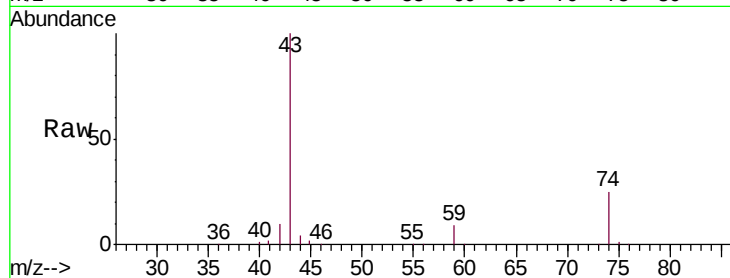
VSTD050209

Tgt Ion: 43 Resp: 89463

Ion Ratio Lower Upper

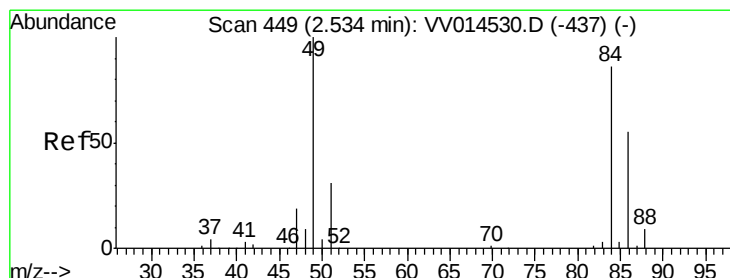
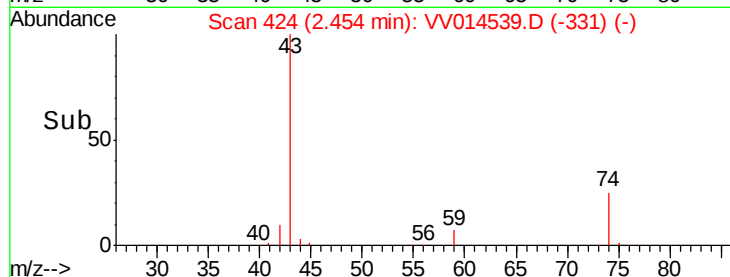
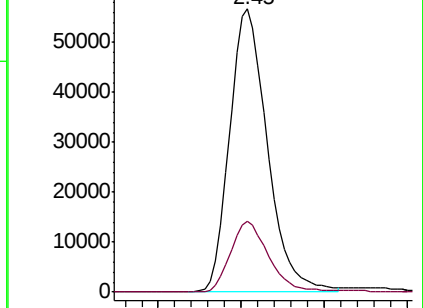
43 100

74 25.4 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 40.599 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

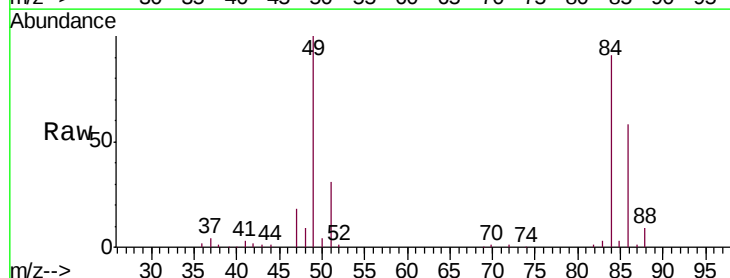
Tgt Ion: 84 Resp: 108791

Ion Ratio Lower Upper

84 100

86 63.8 44.6 82.8

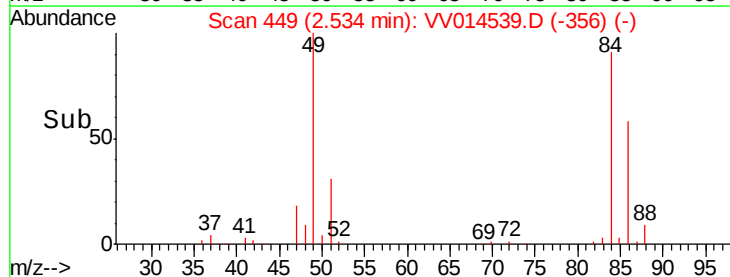
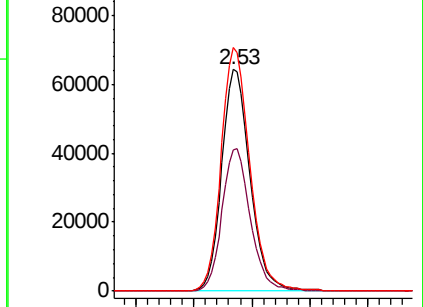
49 110.0 83.2 154.4

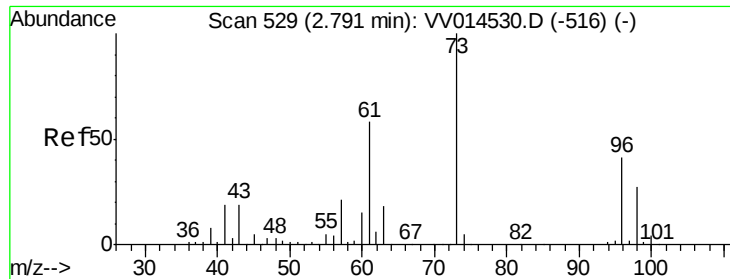


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 41.465 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050209

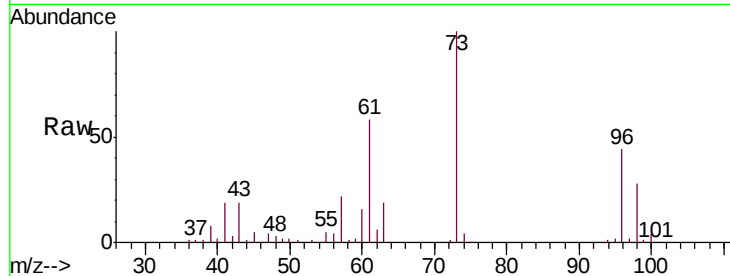
Tgt Ion: 96 Resp: 103079

Ion Ratio Lower Upper

96 100

61 130.3 95.8 178.0

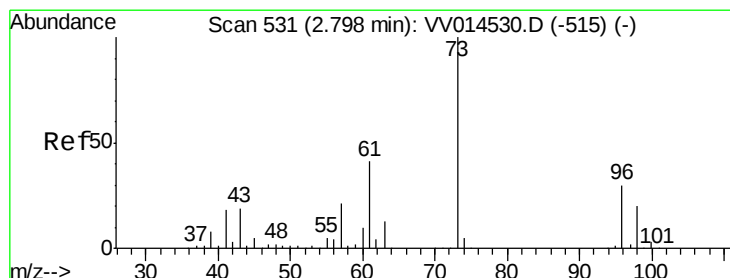
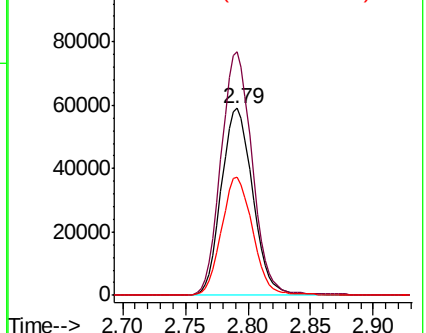
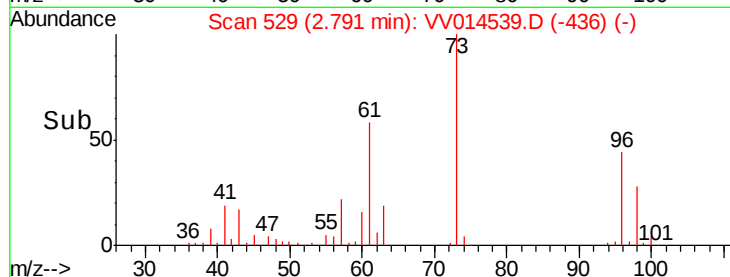
98 63.0 45.1 83.7



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: 40.044 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

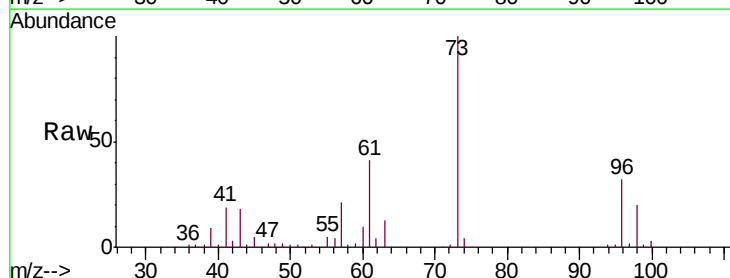
Tgt Ion: 73 Resp: 315235

Ion Ratio Lower Upper

73 100

43 18.3 14.9 22.3

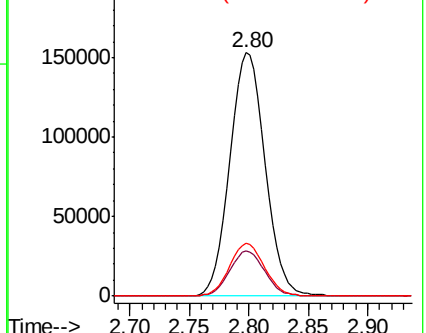
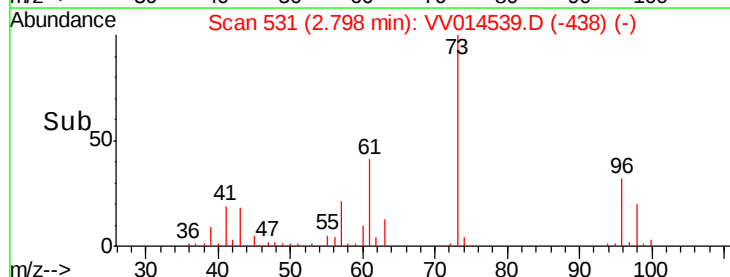
57 21.5 17.5 26.3

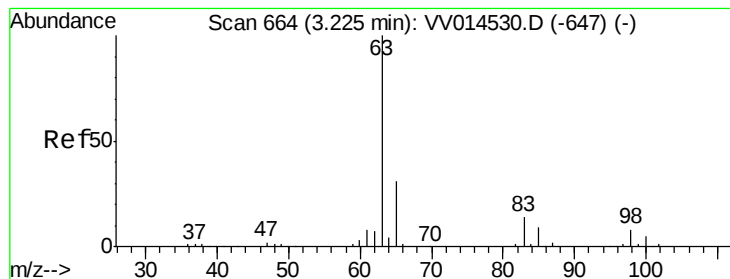


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 40.213 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050209

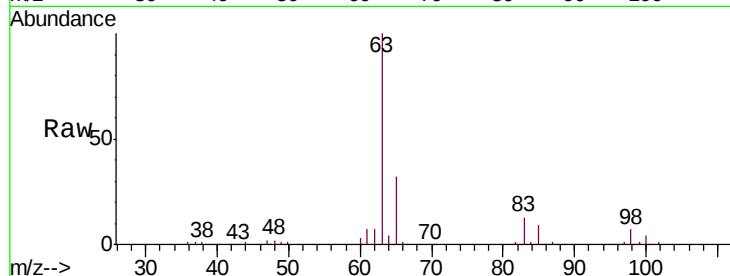
Tgt Ion: 63 Resp: 178756

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

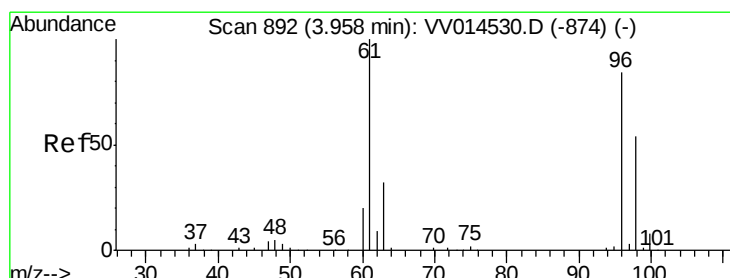
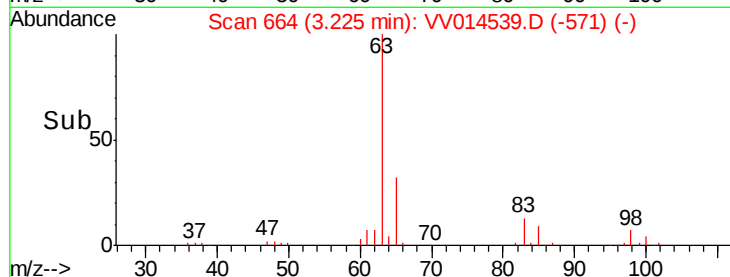
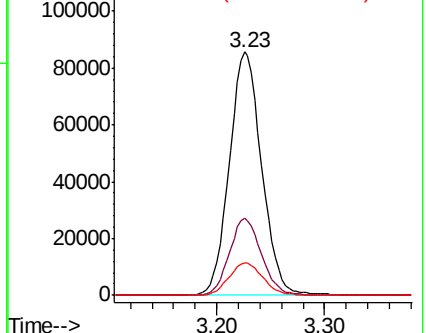
83 13.4 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 39.900 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

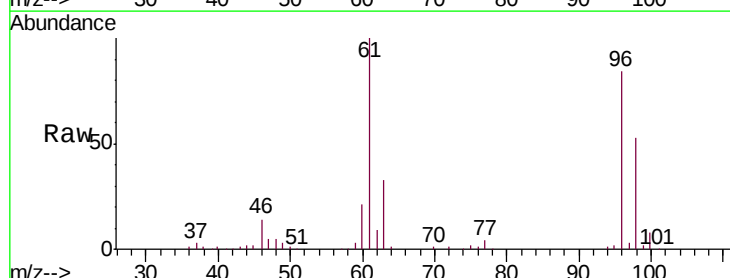
Tgt Ion: 96 Resp: 111618

Ion Ratio Lower Upper

96 100

61 119.3 85.2 158.2

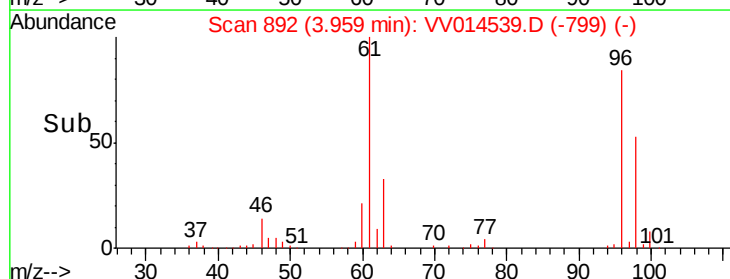
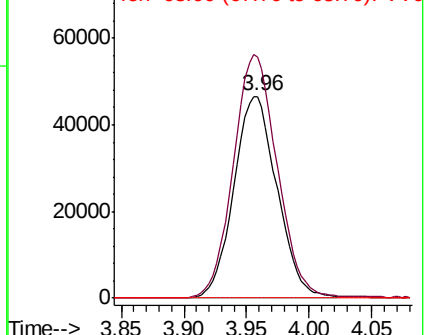
68 0.0 0.0 0.0

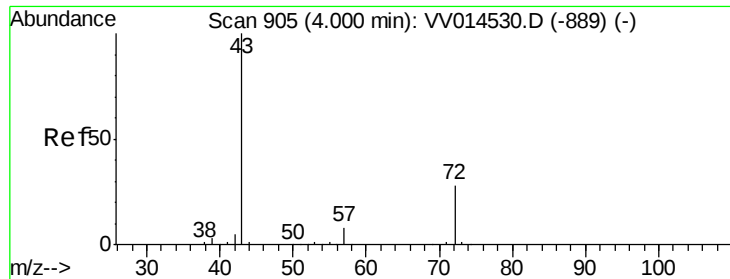


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 71.710 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

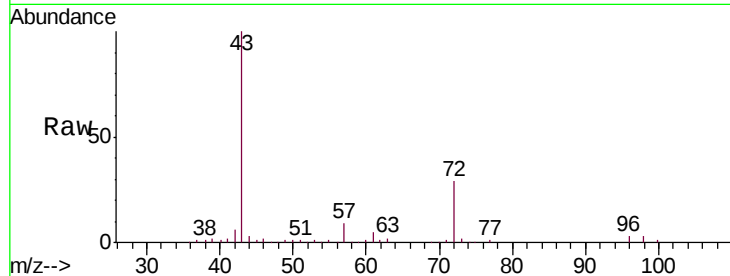
VSTD050209

Tgt Ion: 43 Resp: 136464

Ion Ratio Lower Upper

43 100

72 29.0 12.7 38.1

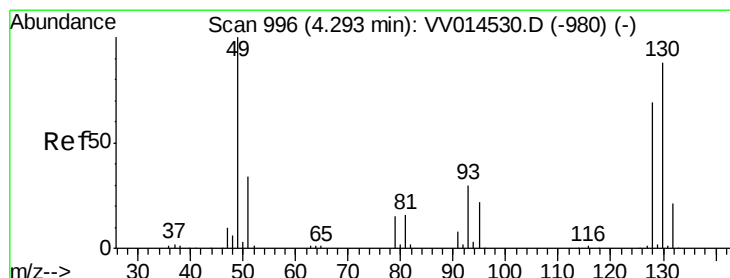
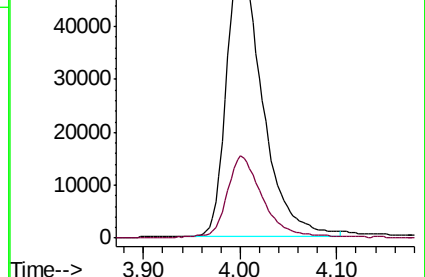
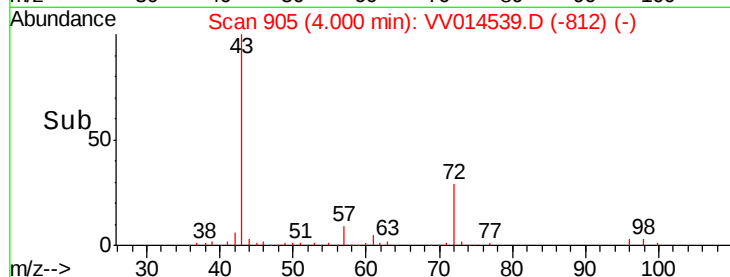


Abundance Ion 43.00 (42.70 to 43.70): VV014539.D (-905) (-)

Ion 72.00 (71.70 to 72.70): VV014539.D (-905) (-)

4.00

Time-->



#23

Bromochloromethane

Concen: 41.444 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Tgt Ion: 128 Resp: 54899

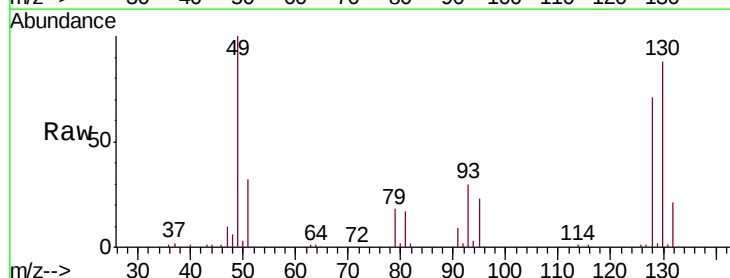
Ion Ratio Lower Upper

128 100

49 141.8 110.1 204.5

130 124.3 88.5 164.4

51 45.9 39.4 59.0



Abundance Ion 128.00 (127.70 to 128.70): VV014539.D (-996) (-)

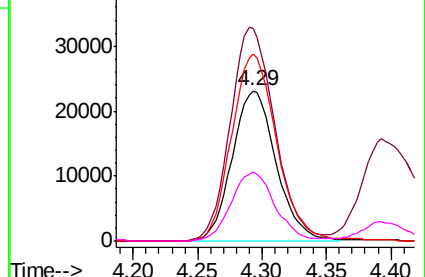
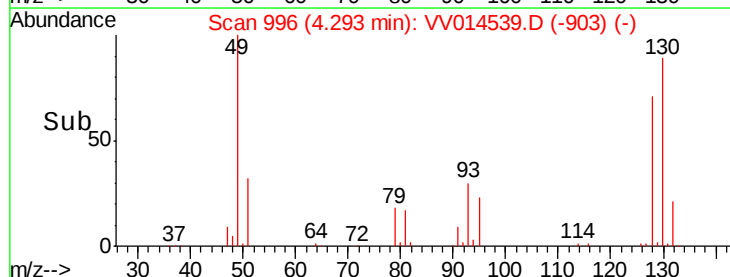
Ion 49.00 (48.70 to 49.70): VV014539.D (-996) (-)

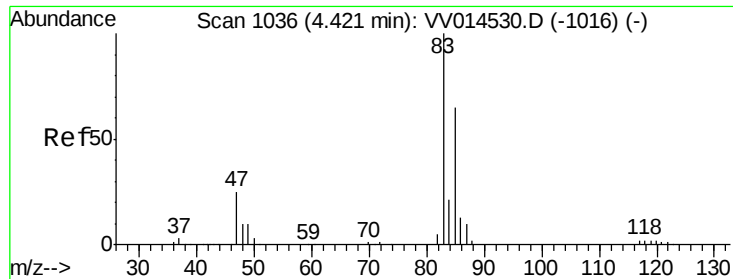
Ion 130.00 (129.70 to 130.70): VV014539.D (-996) (-)

Ion 51.00 (50.70 to 51.70): VV014539.D (-996) (-)

4.29

Time-->

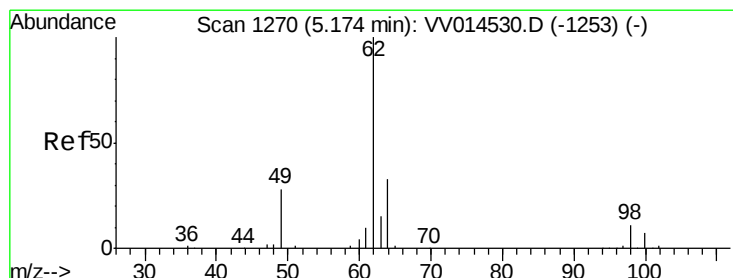
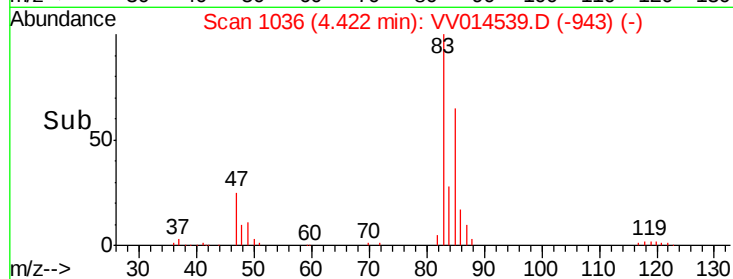
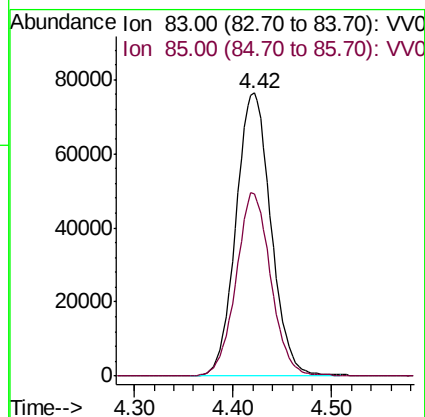
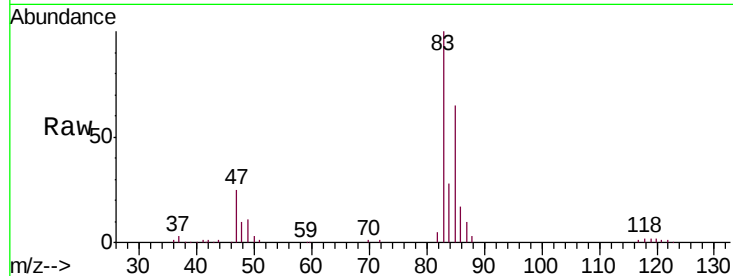




#25
Chloroform
Concen: 41.619 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

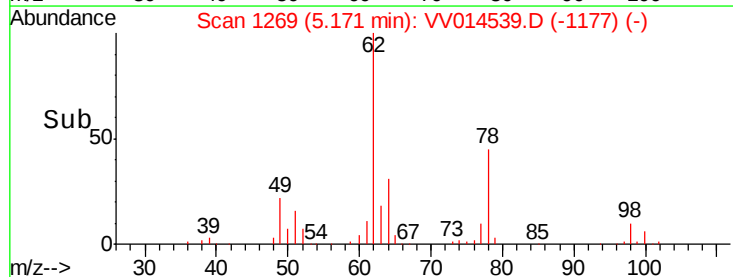
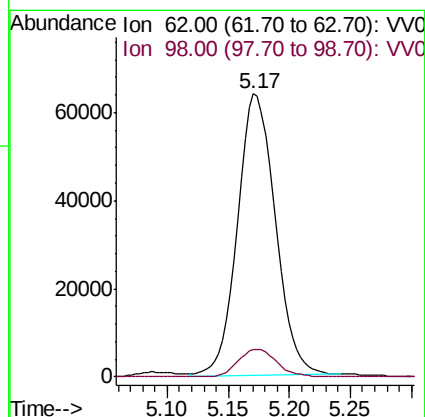
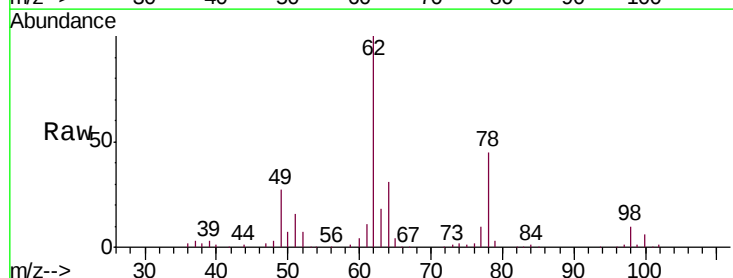
Instrument :
MSVOA_V
ClientSampleId :
VSTD050209

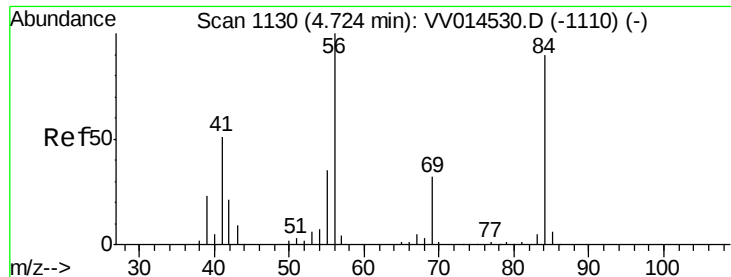
Tgt Ion: 83 Resp: 188119
Ion Ratio Lower Upper
83 100
85 64.5 45.8 85.0



#27
1,2-Dichloroethane
Concen: 40.842 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

Tgt Ion: 62 Resp: 137553
Ion Ratio Lower Upper
62 100
98 9.6 8.2 12.4

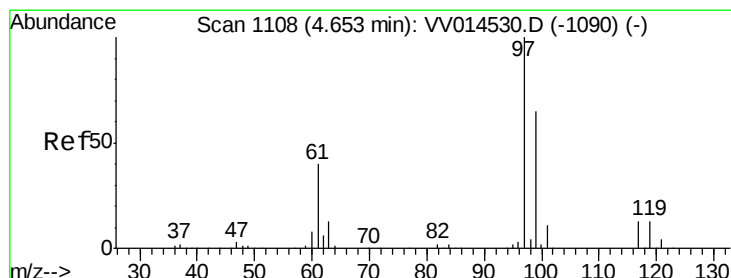
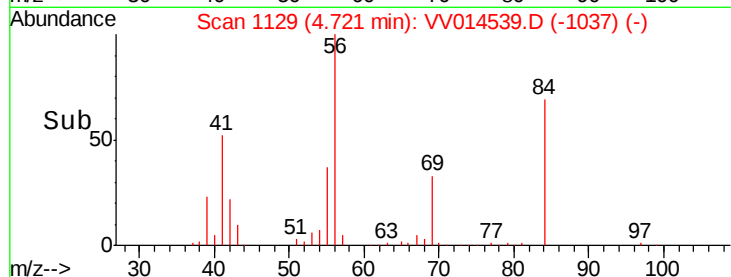
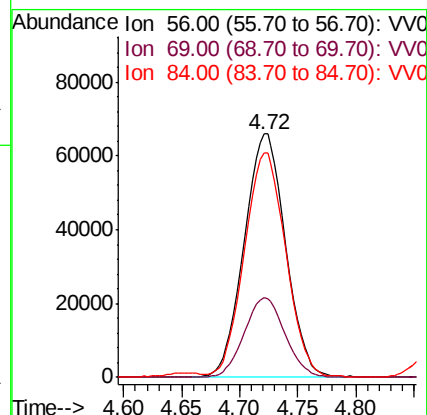
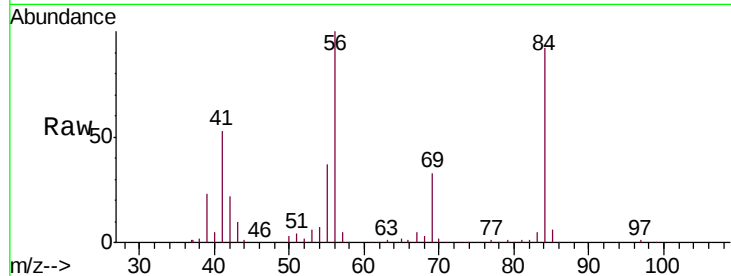




#29
Cyclohexane
Concen: 38.980 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

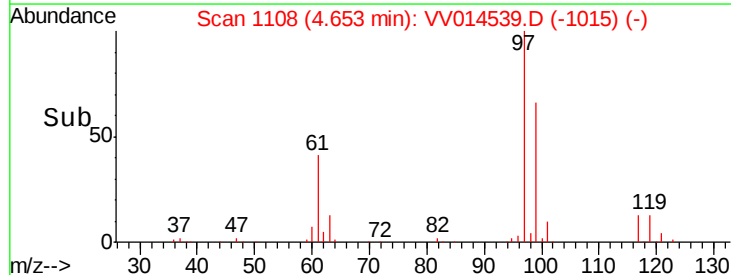
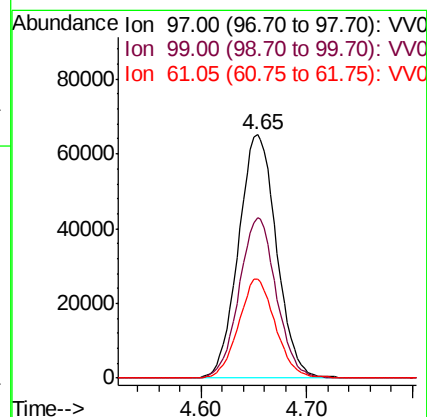
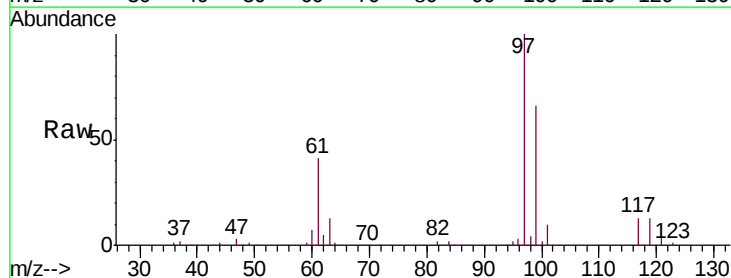
Instrument :
MSVOA_V
ClientSampleId :
VSTD050209

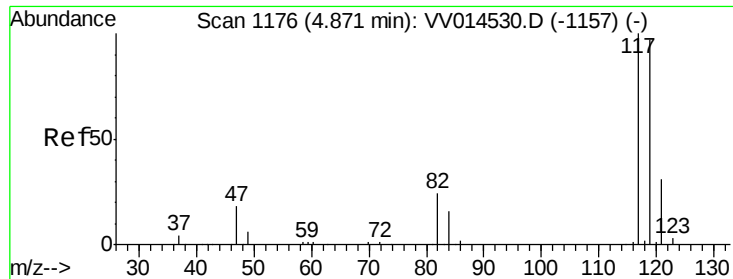
Tgt Ion: 56 Resp: 163602
Ion Ratio Lower Upper
56 100
69 32.3 25.2 37.8
84 93.0 69.8 104.8



#30
1,1,1-Trichloroethane
Concen: 41.866 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

Tgt Ion: 97 Resp: 163107
Ion Ratio Lower Upper
97 100
99 64.2 50.6 76.0
61 39.7 33.0 49.4

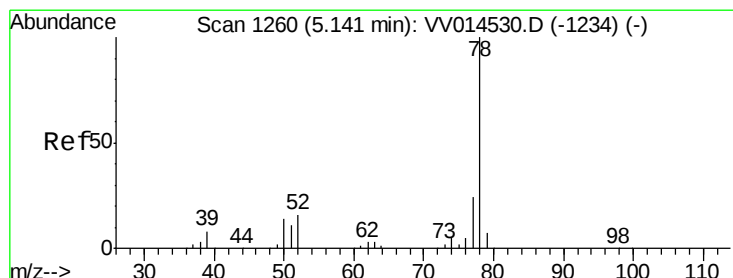
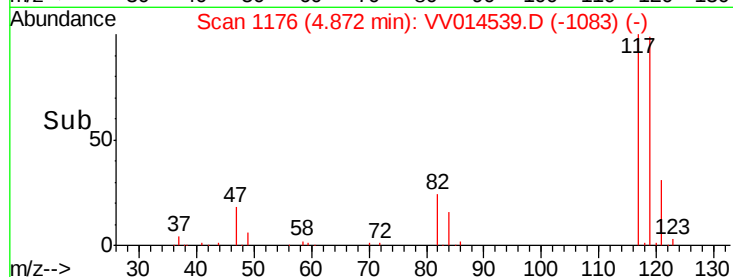
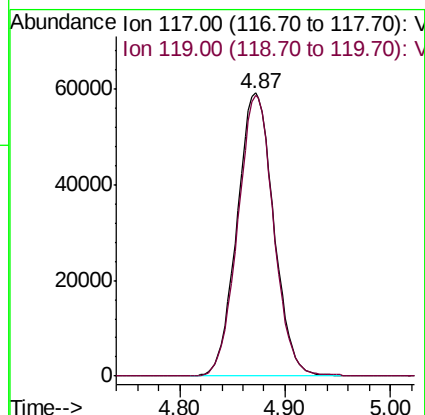
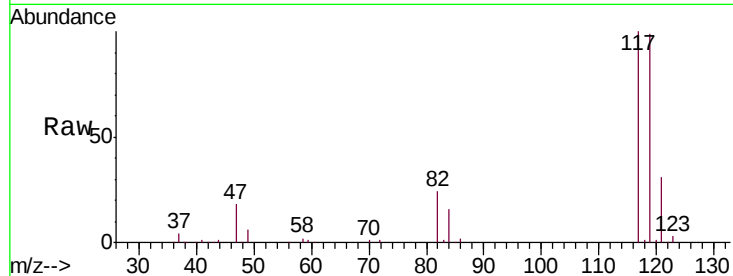




#31
Carbon tetrachloride
Concen: 41.574 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

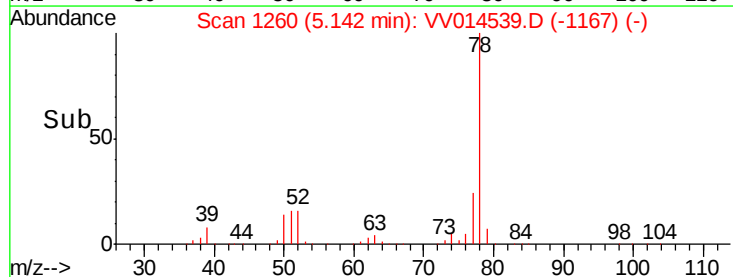
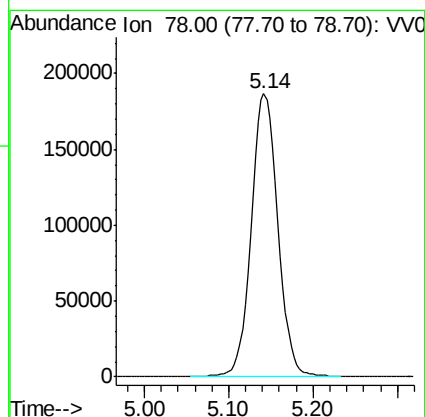
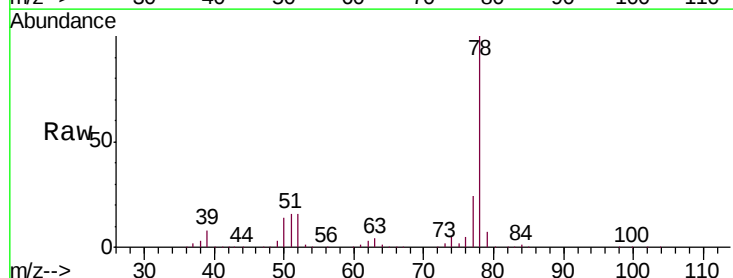
Instrument :
MSVOA_V
ClientSampleId :
VSTD050209

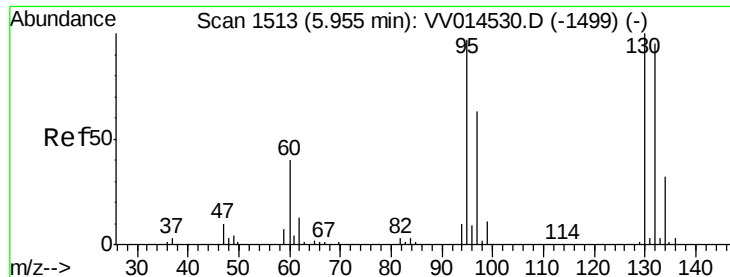
Tgt Ion:117 Resp: 142890
Ion Ratio Lower Upper
117 100
119 96.6 76.7 115.1



#33
Benzene
Concen: 40.792 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

Tgt Ion: 78 Resp: 409377





#34

Trichloroethene

Concen: 40.858 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050209

Tgt Ion: 95 Resp: 108688

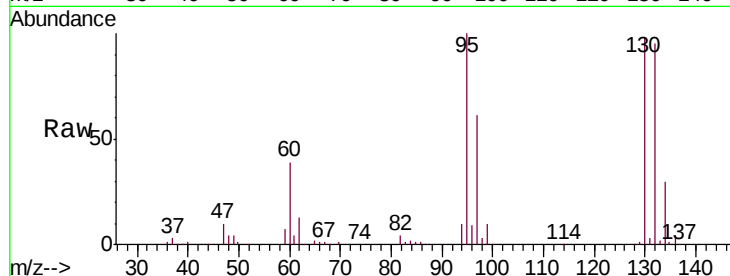
Ion Ratio Lower Upper

95 100

97 61.3 45.1 83.7

132 95.4 67.7 125.7

130 97.6 70.5 130.9

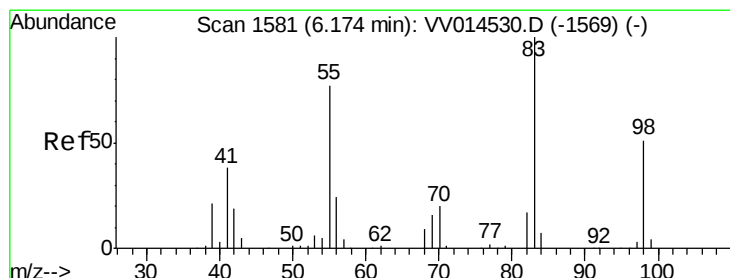
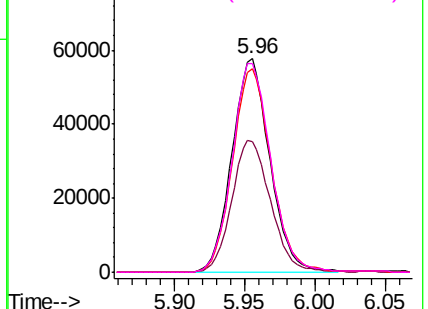
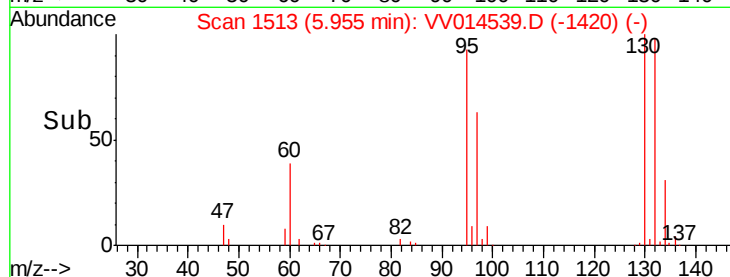


Abundance Ion 95.00 (94.70 to 95.70): VV014539.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV014539.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV014539.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV014539.D (-1499) (-)



#35

Methylcyclohexane

Concen: 40.999 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

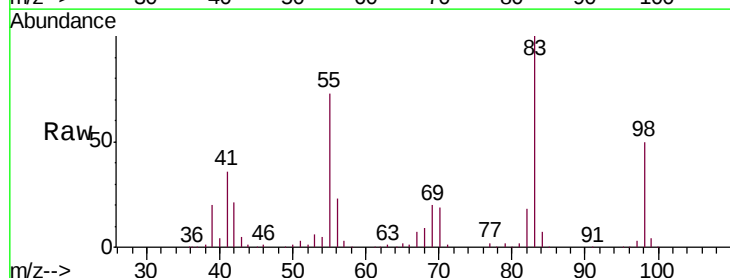
Tgt Ion: 83 Resp: 178228

Ion Ratio Lower Upper

83 100

55 72.8 60.7 91.1

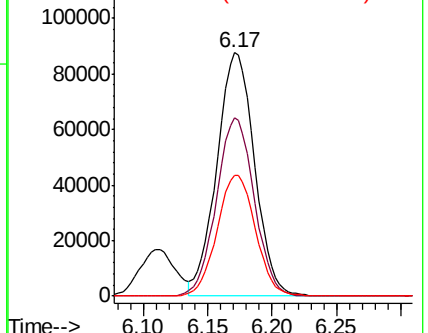
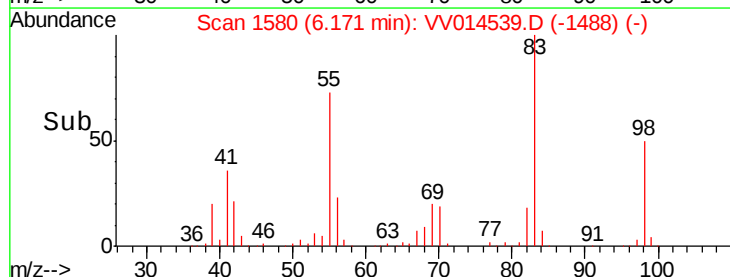
98 50.5 39.4 59.0

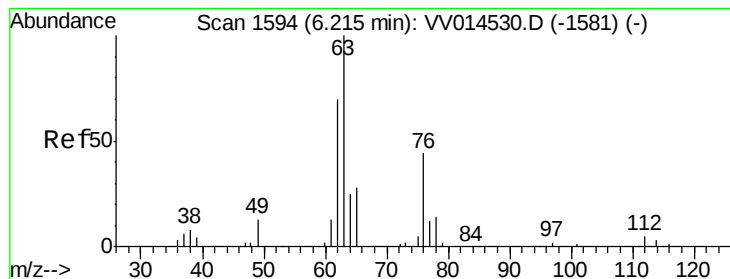


Abundance Ion 83.00 (82.70 to 83.70): VV014539.D (-1569) (-)

Ion 55.00 (54.70 to 55.70): VV014539.D (-1569) (-)

Ion 98.00 (97.70 to 98.70): VV014539.D (-1569) (-)





#37

1,2-Dichloropropane

Concen: 39.832 ug/L

RT: 6.21 min Scan# 1593

Delta R.T. -0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

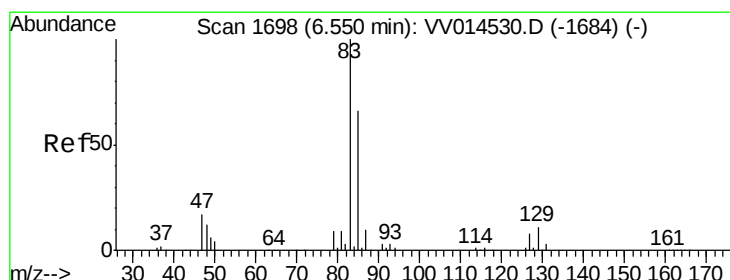
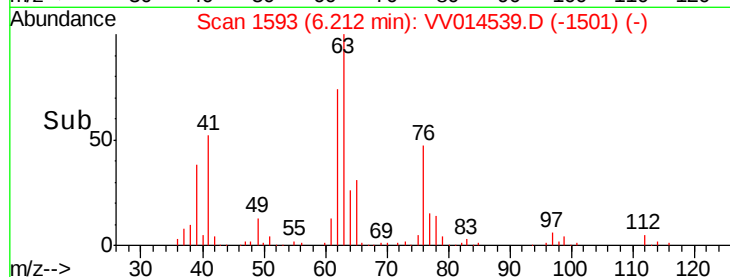
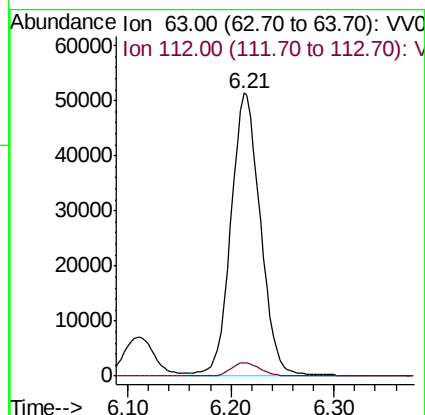
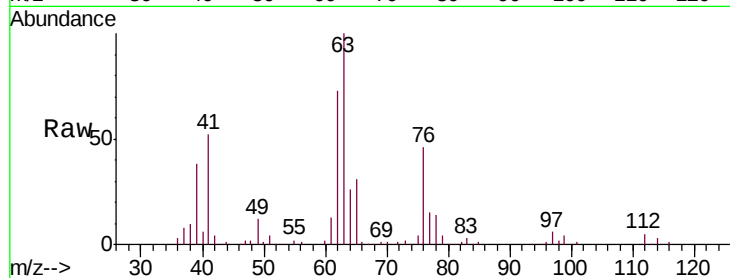
VSTD050209

Tgt Ion: 63 Resp: 101820

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 40.810 ug/L

RT: 6.55 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

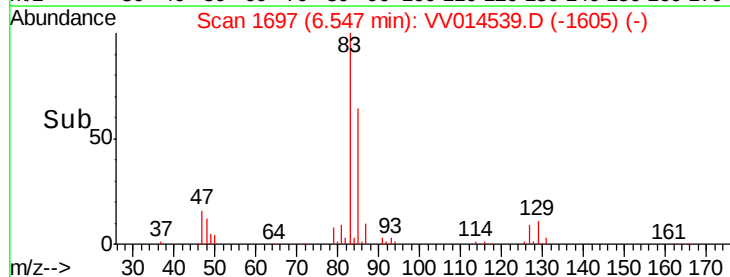
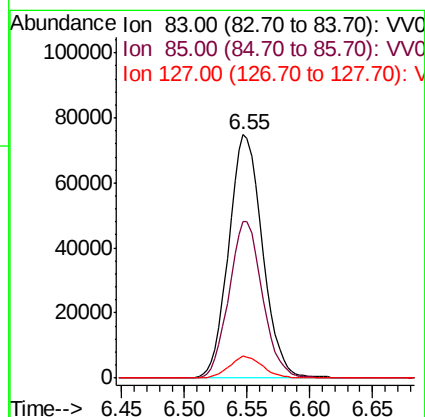
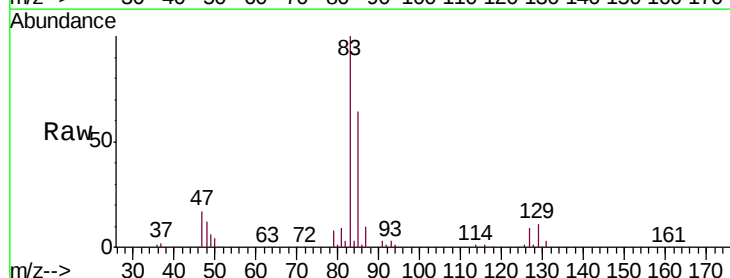
Tgt Ion: 83 Resp: 140003

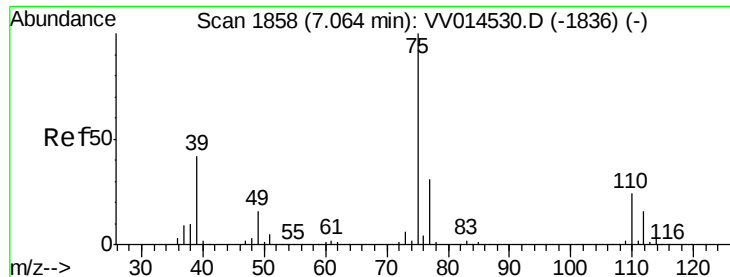
Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.4

127 8.9 6.7 10.1



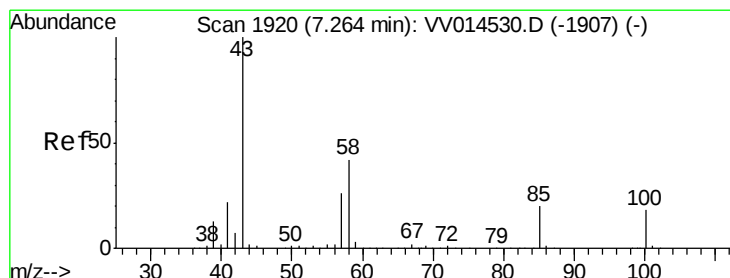
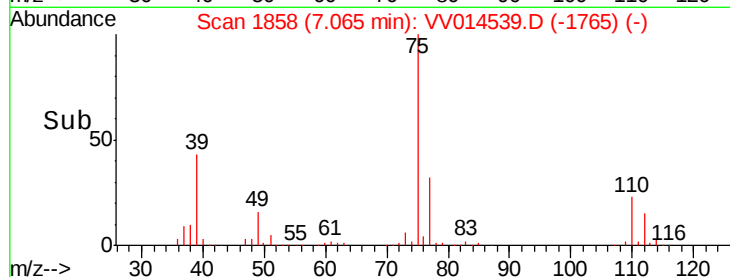
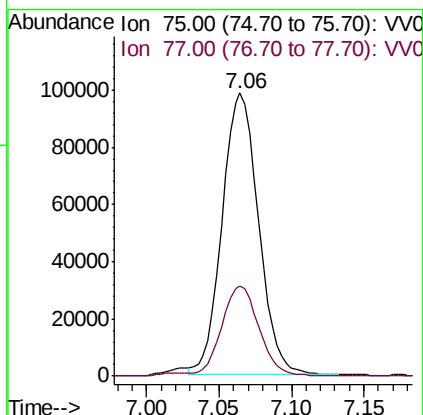
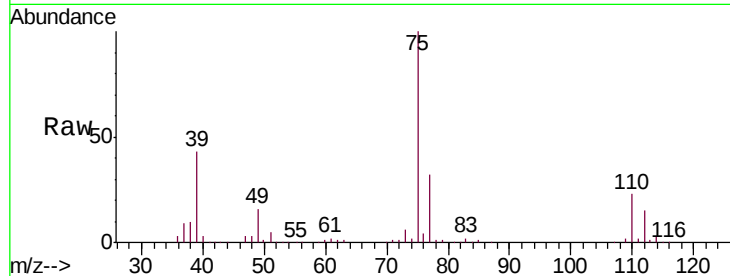


#39

cis-1,3-Dichloropropene
 Concen: 40.209 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV014539.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD050209

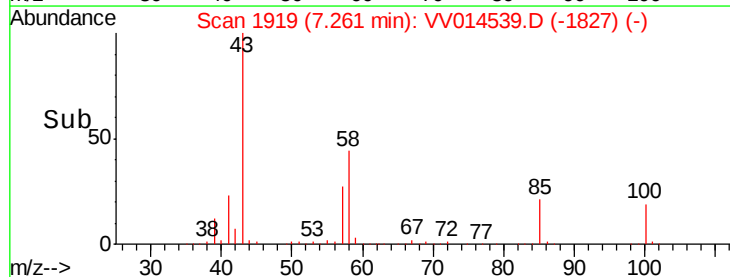
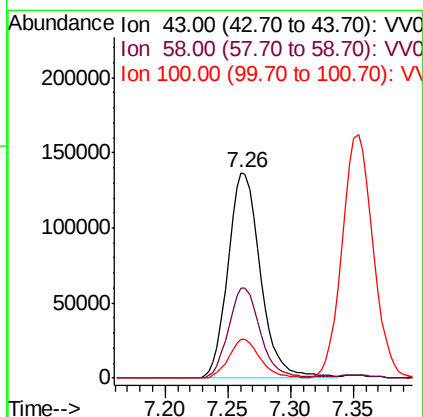
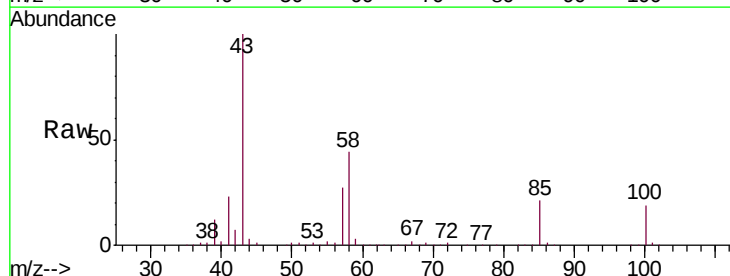
Tgt Ion: 75 Resp: 171458
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.1

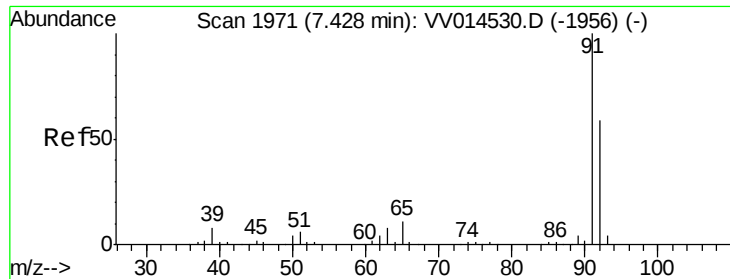


#40

4-Methyl-2-pentanone
 Concen: 74.621 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VV014539.D
 Acq: 07 Feb 2020 15:40

Tgt Ion: 43 Resp: 246500
 Ion Ratio Lower Upper
 43 100
 58 42.9 33.2 49.8
 100 18.1 13.9 20.9





#42

Toluene

Concen: 41.028 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

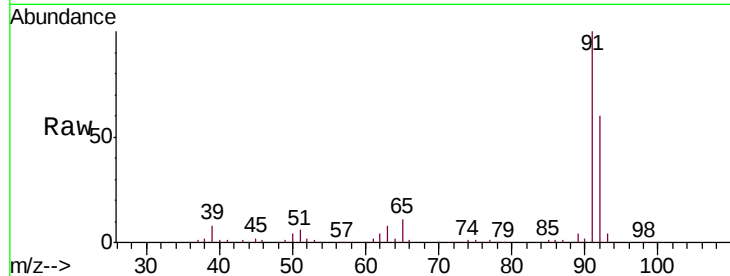
VSTD050209

Tgt Ion: 91 Resp: 441467

Ion Ratio Lower Upper

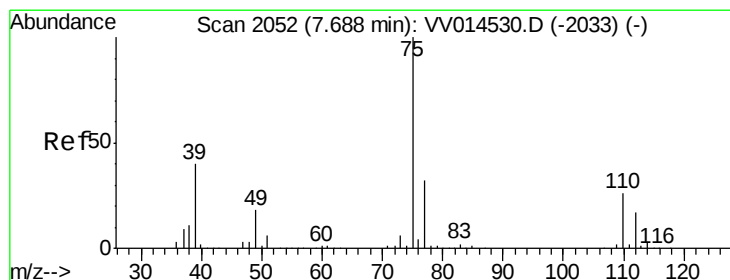
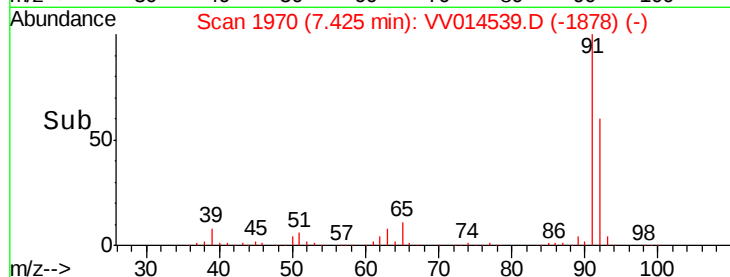
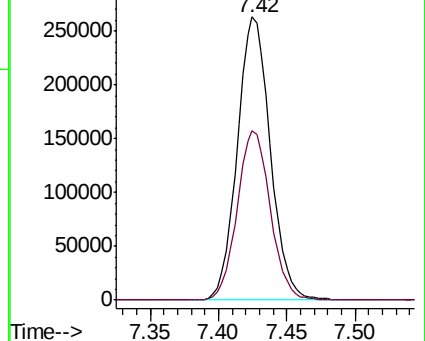
91 100

92 59.9 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV014539.D (-1970) (-)

Ion 92.00 (91.70 to 92.70): VV014539.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 41.167 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014539.D

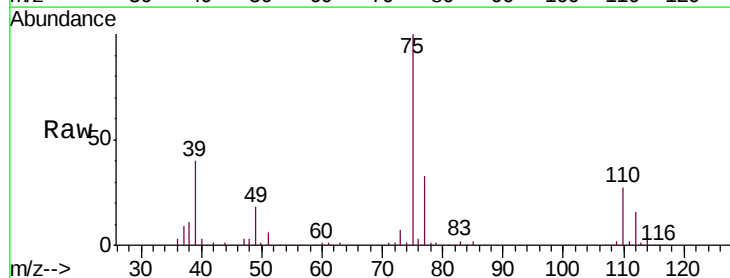
Acq: 07 Feb 2020 15:40

Tgt Ion: 75 Resp: 157397

Ion Ratio Lower Upper

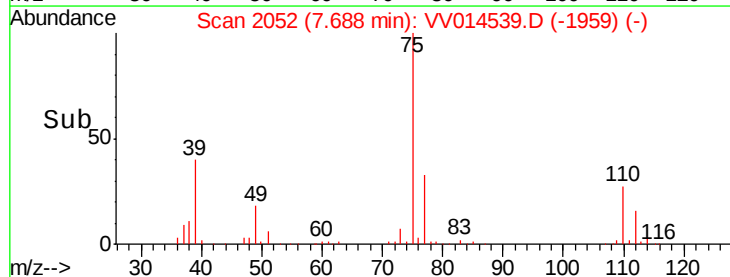
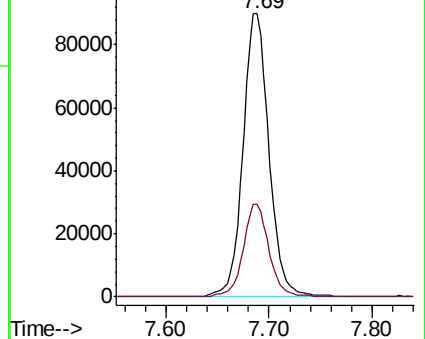
75 100

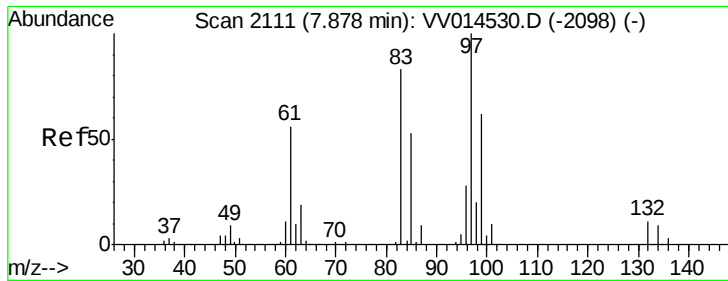
77 32.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV014539.D (-2052) (-)

Ion 77.00 (76.70 to 77.70): VV014539.D (-2052) (-)





#45

1,1,2-Trichloroethane

Concen: 40.768 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050209

Tgt Ion: 97 Resp: 99979

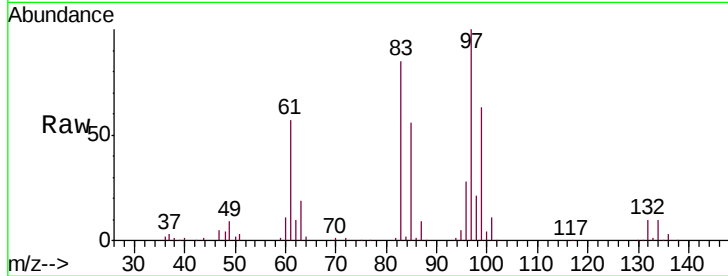
Ion Ratio Lower Upper

97 100

99 63.4 44.5 82.7

83 85.2 60.1 111.5

85 56.4 38.1 70.9

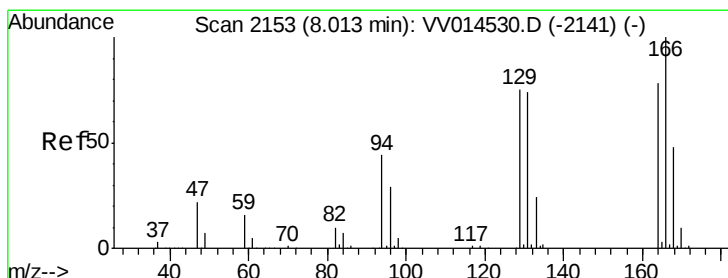
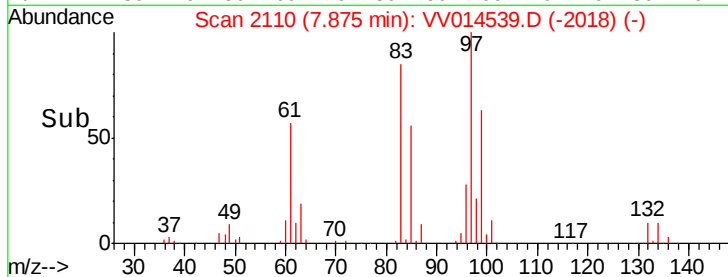
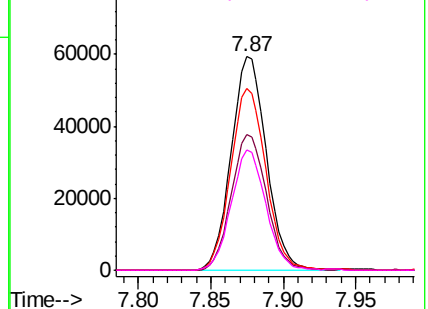


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 41.464 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Tgt Ion: 164 Resp: 84144

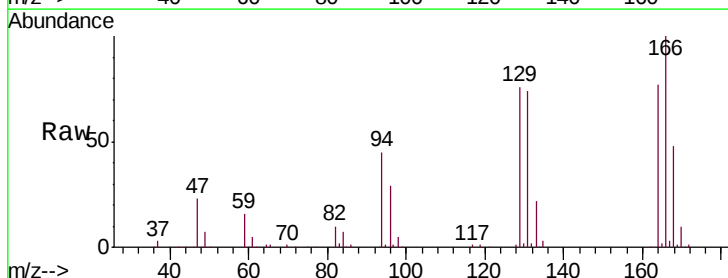
Ion Ratio Lower Upper

164 100

129 99.5 68.0 126.4

131 96.0 63.4 117.8

166 130.2 86.9 161.3

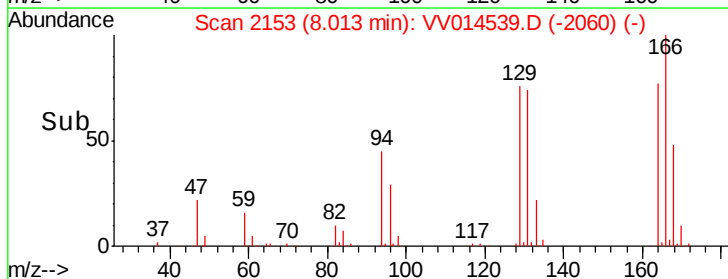
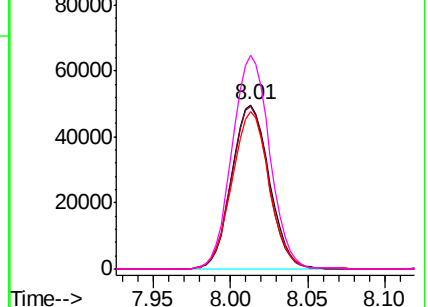


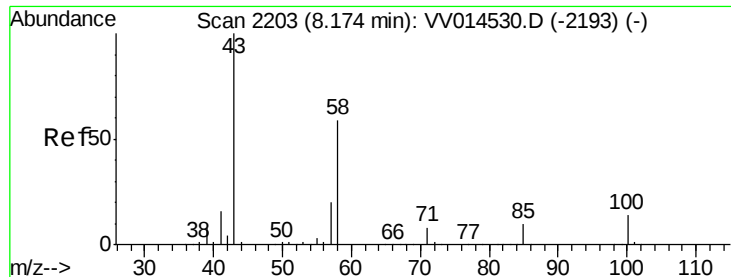
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

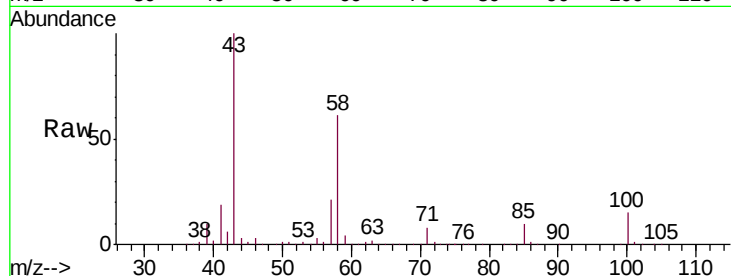




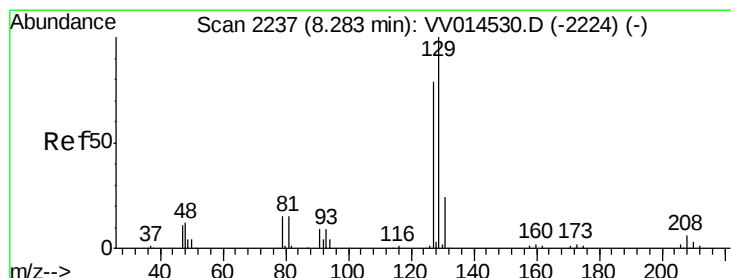
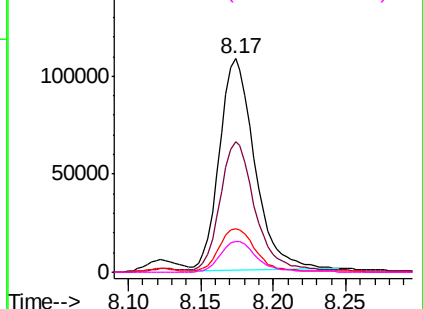
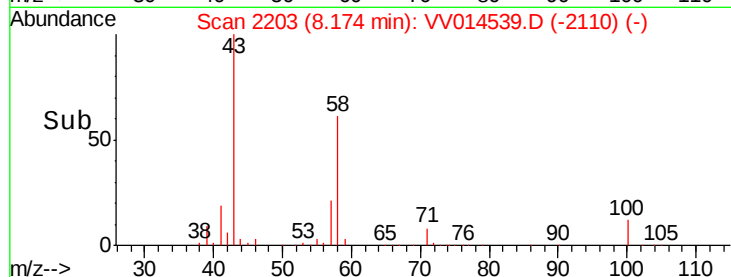
#48
2-Hexanone
Concen: 71.883 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD050209

Tgt Ion: 43 Resp: 182799
Ion Ratio Lower Upper
43 100
58 61.5 45.5 68.3
57 21.3 15.8 23.6
100 15.6 10.8 16.2

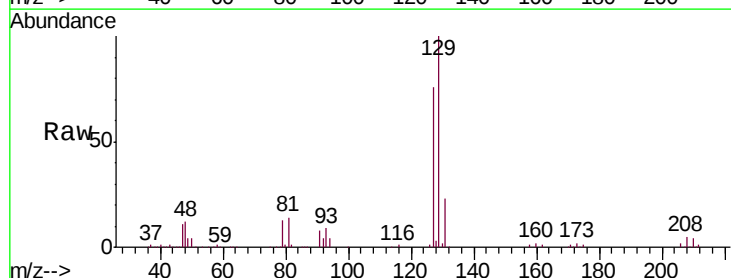


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

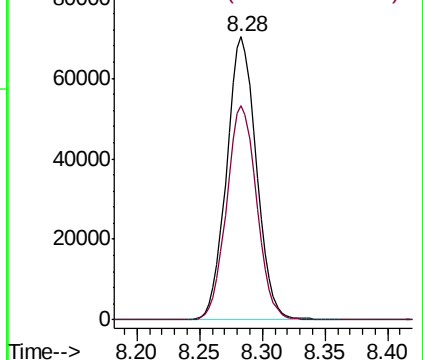
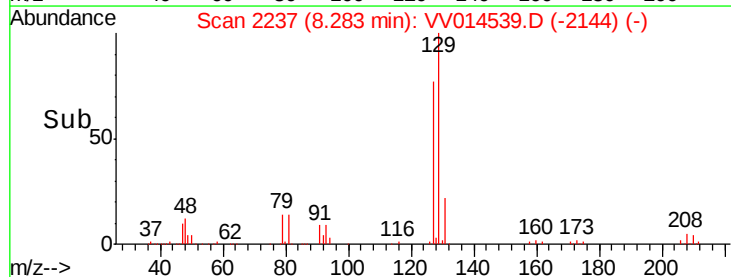


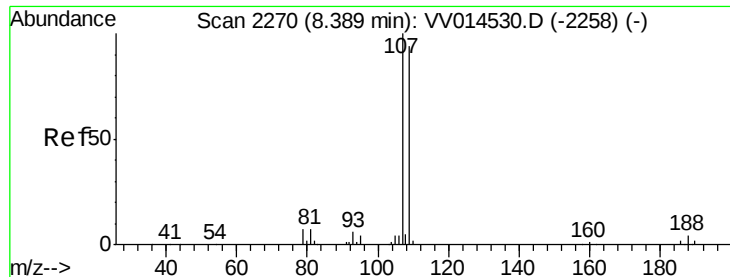
#49
Dibromochloromethane
Concen: 41.938 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

Tgt Ion: 129 Resp: 116117
Ion Ratio Lower Upper
129 100
127 75.6 54.1 100.5



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

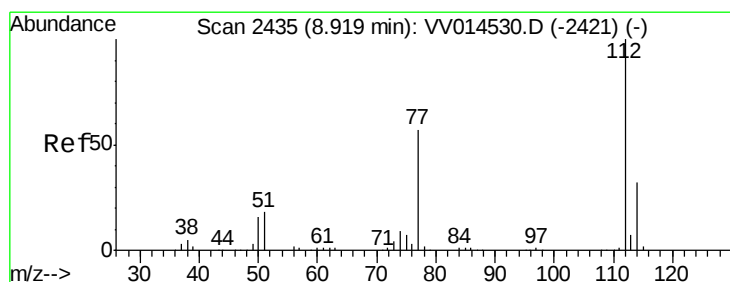
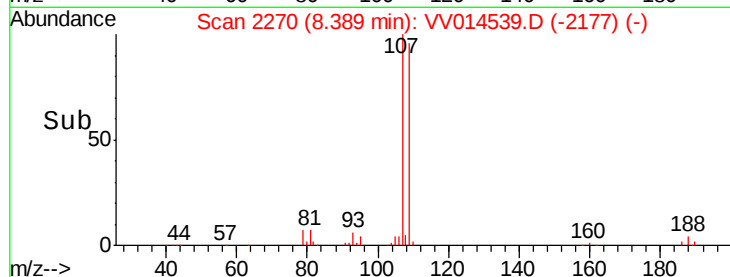
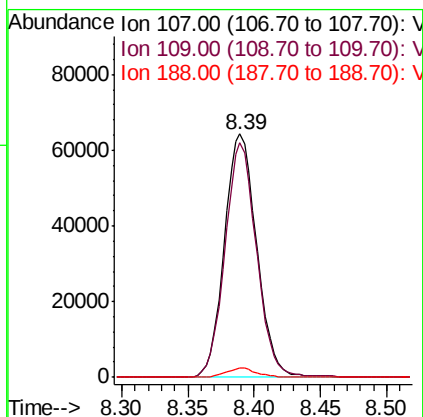
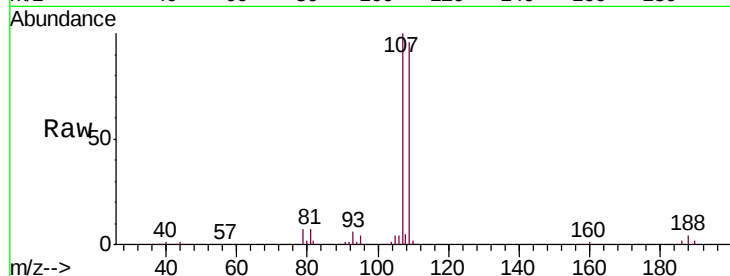




#50
1,2-Dibromoethane
Concen: 41.000 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

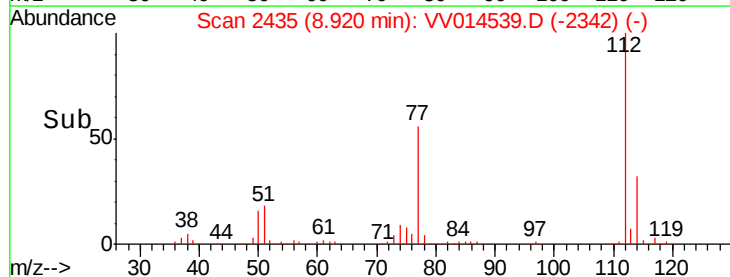
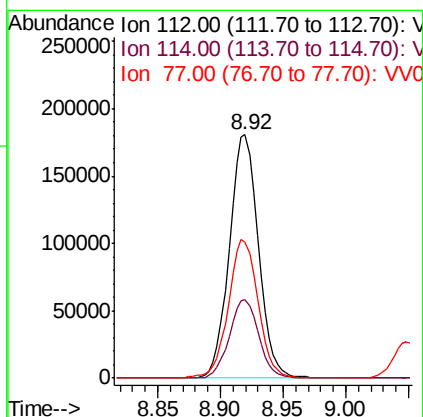
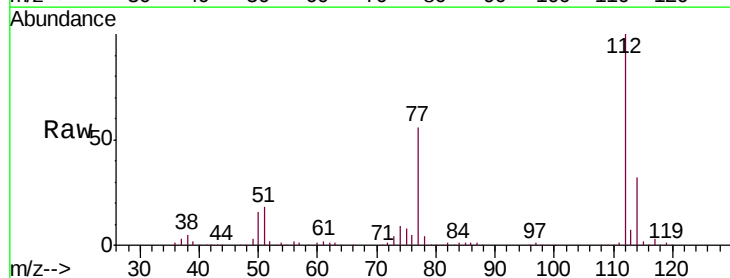
Instrument :
MSVOA_V
ClientSampleId :
VSTD050209

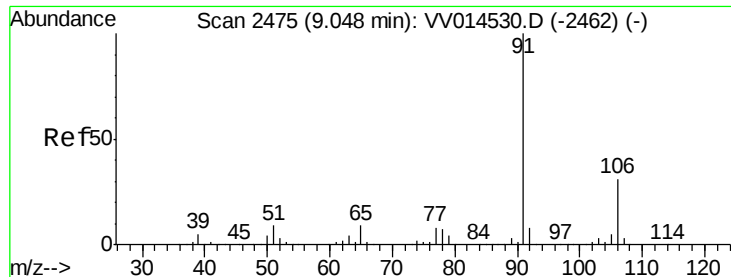
Tgt Ion:107 Resp: 108900
Ion Ratio Lower Upper
107 100
109 96.3 65.2 121.2
188 3.8 2.6 4.0



#51
Chlorobenzene
Concen: 41.384 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

Tgt Ion:112 Resp: 290868
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 56.2 47.3 70.9





#52

Ethylbenzene

Concen: 41.263 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

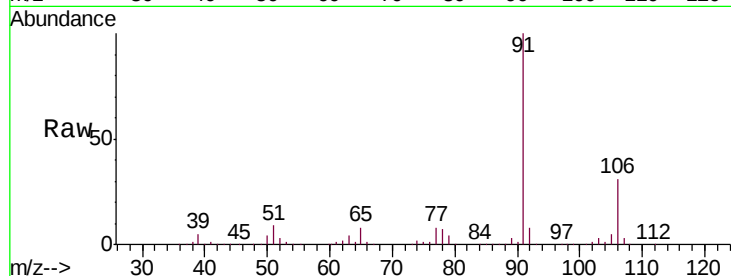
VSTD050209

Tgt Ion: 91 Resp: 497909

Ion Ratio Lower Upper

91 100

106 31.2 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV014539.D (-2462) (-)

Ion 106.00 (105.70 to 106.70): VV014539.D (-2462) (-)

9.05

300000

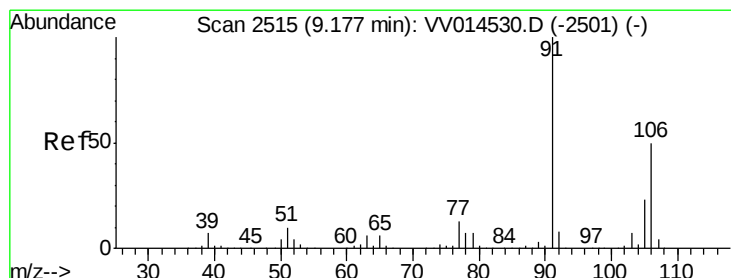
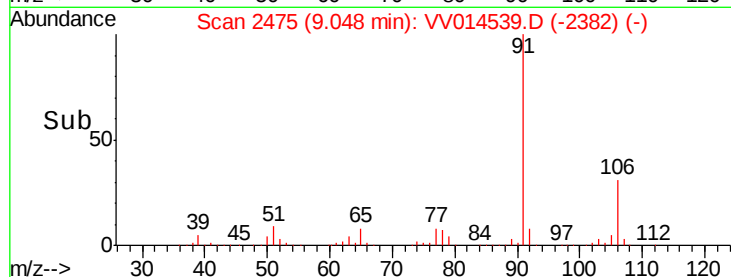
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 41.131 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.00 min

Lab File: VV014539.D

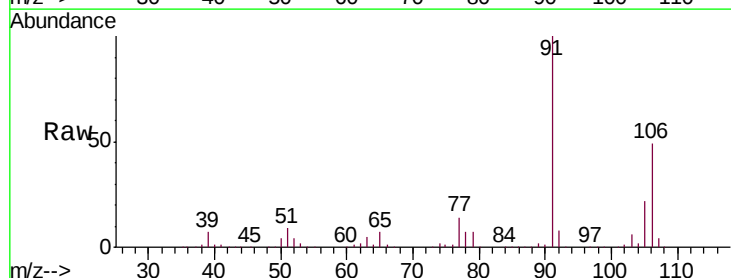
Acq: 07 Feb 2020 15:40

Tgt Ion: 106 Resp: 191181

Ion Ratio Lower Upper

106 100

91 203.0 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): VV014539.D (-2501) (-)

Ion 91.00 (90.70 to 91.70): VV014539.D (-2501) (-)

9.17

250000

200000

150000

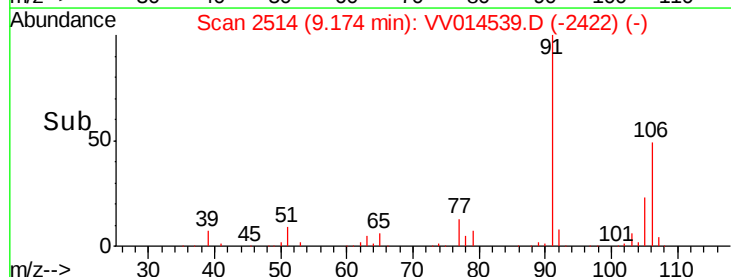
100000

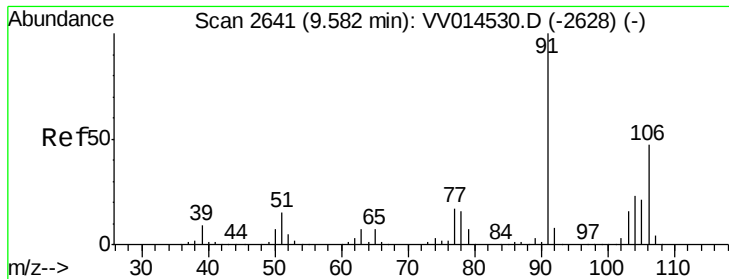
50000

0

9.10 9.15 9.20 9.25

Time-->

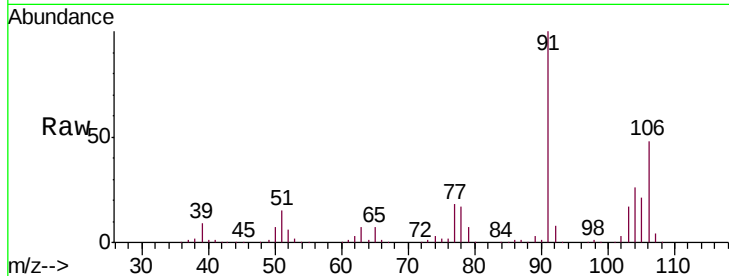




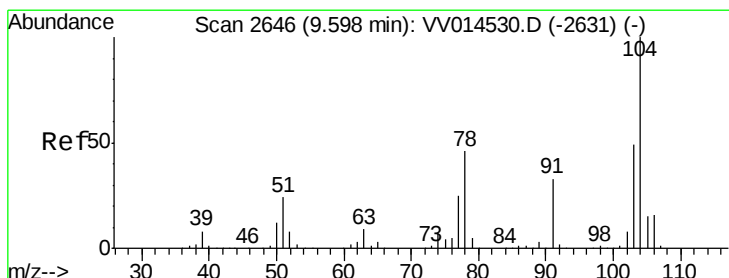
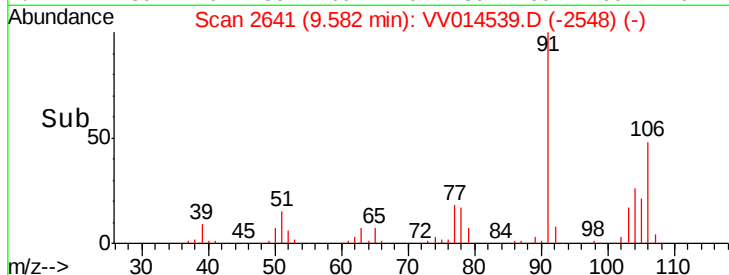
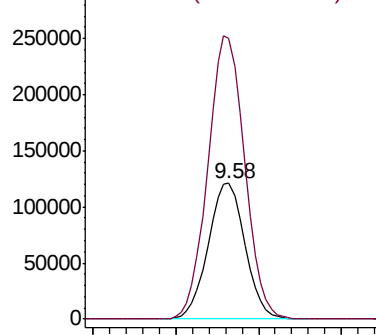
#54
o-Xylene
Concen: 42.053 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD050209

Tgt Ion:106 Resp: 187087
Ion Ratio Lower Upper
106 100
91 207.0 149.4 277.4

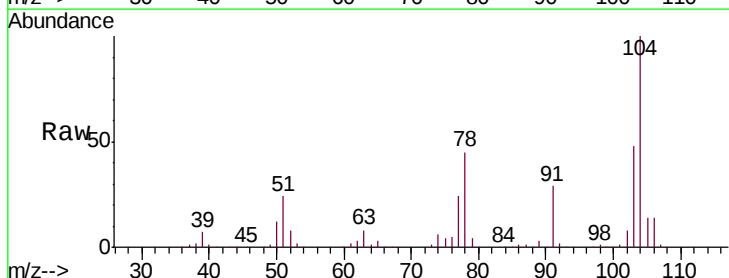


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

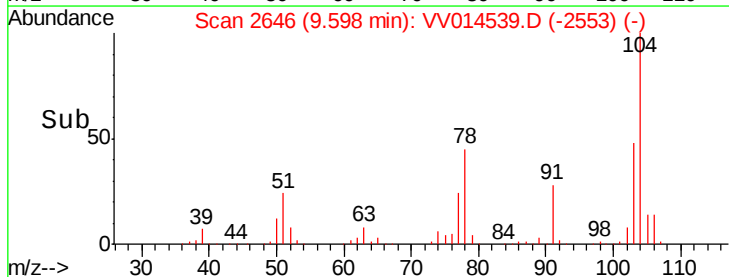
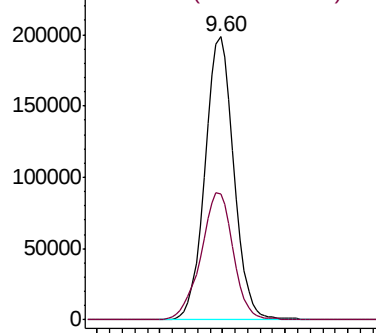


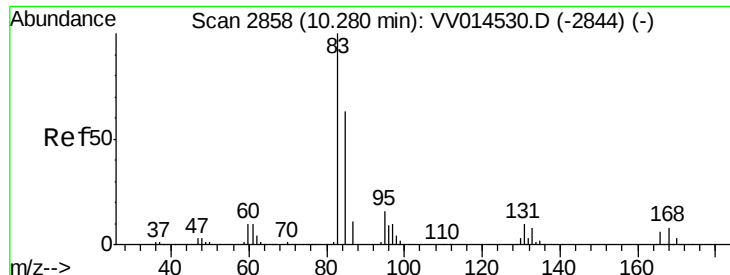
#55
Styrene
Concen: 41.745 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

Tgt Ion:104 Resp: 317408
Ion Ratio Lower Upper
104 100
78 44.5 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: 40.858 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050209

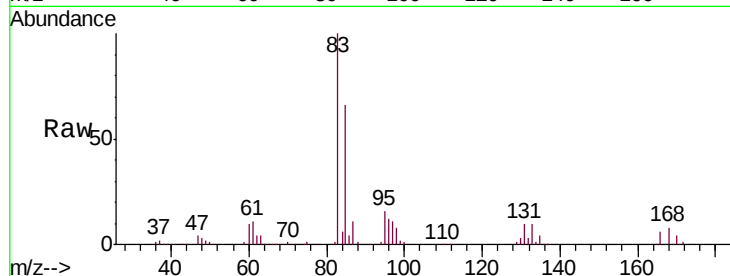
Tgt Ion: 83 Resp: 157043

Ion Ratio Lower Upper

83 100

85 65.5 45.2 84.0

131 10.4 7.8 11.8

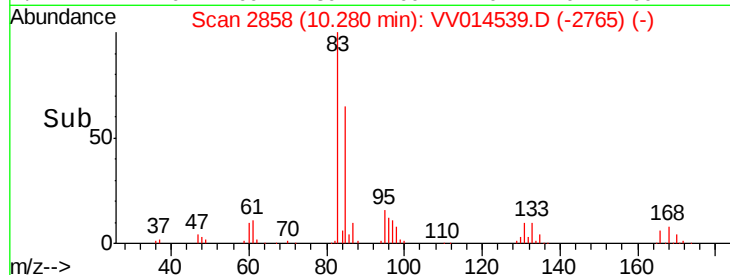


Abundance Ion 83.00 (82.70 to 83.70): VV014539.D (-2606) (-)

Ion 85.00 (84.70 to 85.70): VV014539.D (-2606) (-)

Ion 131.00 (130.70 to 131.70): VV014539.D (-2606) (-)

Time-->

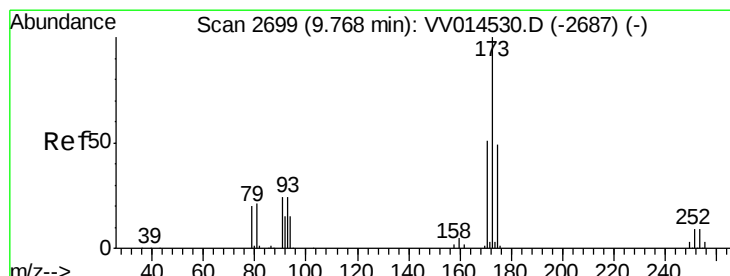


Abundance Ion 83.00 (82.70 to 83.70): VV014539.D (-2606) (-)

Ion 85.00 (84.70 to 85.70): VV014539.D (-2606) (-)

Ion 131.00 (130.70 to 131.70): VV014539.D (-2606) (-)

Time-->



#59

Bromoform

Concen: 39.809 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

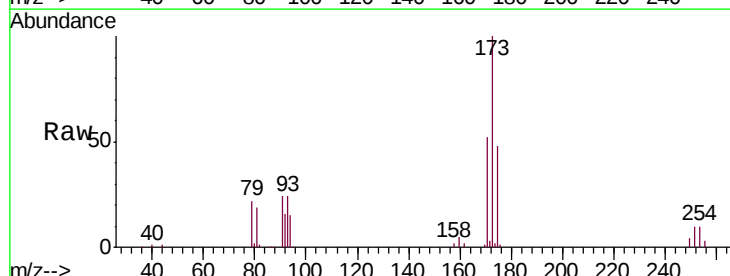
Tgt Ion: 173 Resp: 77624

Ion Ratio Lower Upper

173 100

175 48.4 37.8 56.8

254 9.1 7.0 10.6

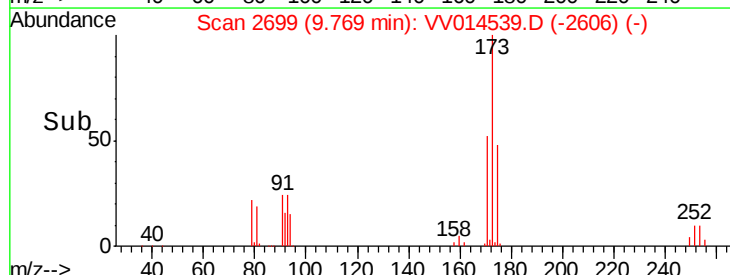


Abundance Ion 173.00 (172.70 to 173.70): VV014539.D (-2606) (-)

Ion 175.00 (174.70 to 175.70): VV014539.D (-2606) (-)

Ion 254.00 (253.70 to 254.70): VV014539.D (-2606) (-)

Time-->

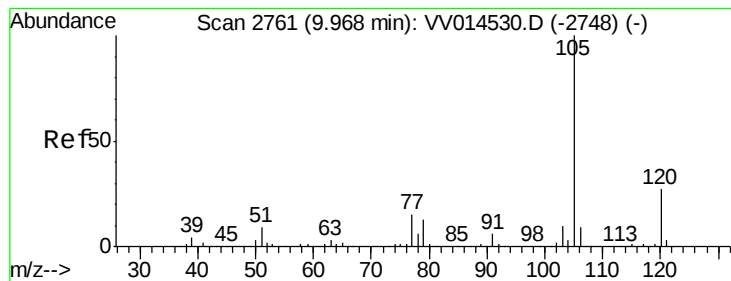


Abundance Ion 173.00 (172.70 to 173.70): VV014539.D (-2606) (-)

Ion 175.00 (174.70 to 175.70): VV014539.D (-2606) (-)

Ion 254.00 (253.70 to 254.70): VV014539.D (-2606) (-)

Time-->



#60

Isopropylbenzene

Concen: 41.248 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050209

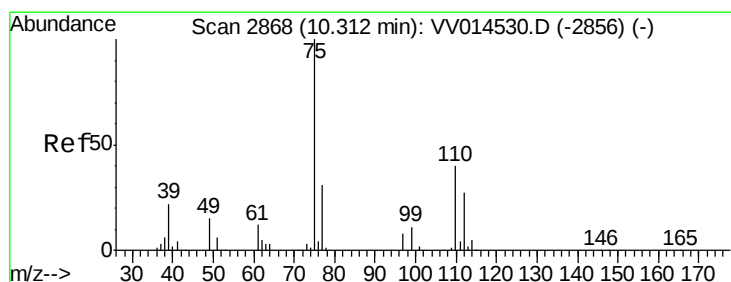
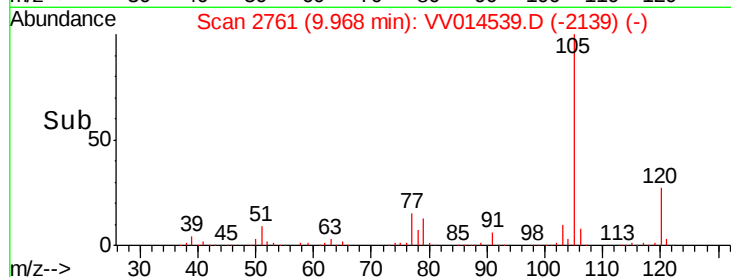
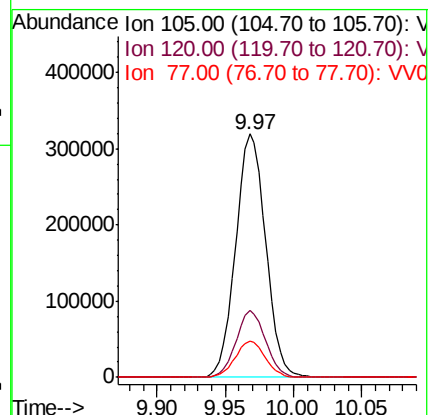
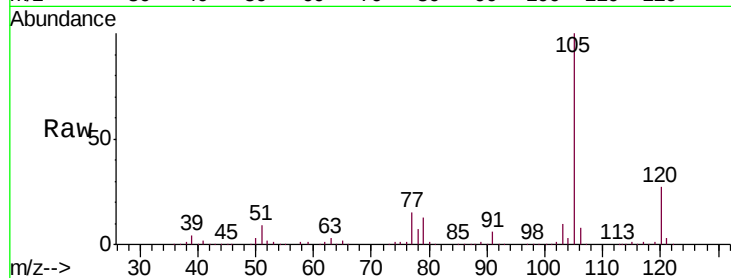
Tgt Ion: 105 Resp: 487656

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

77 15.0 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 39.377 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014539.D

Acq: 07 Feb 2020 15:40

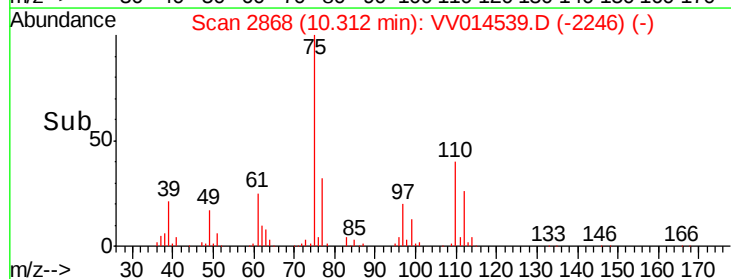
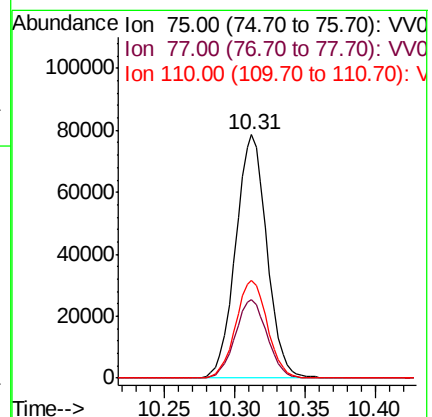
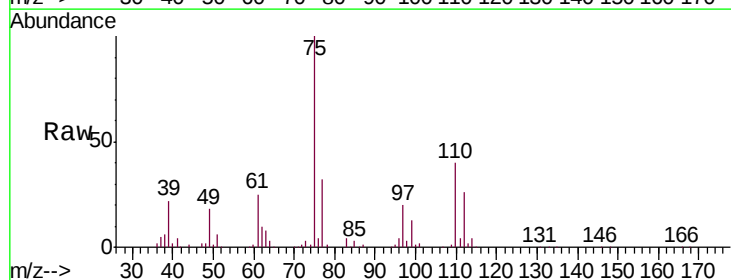
Tgt Ion: 75 Resp: 121915

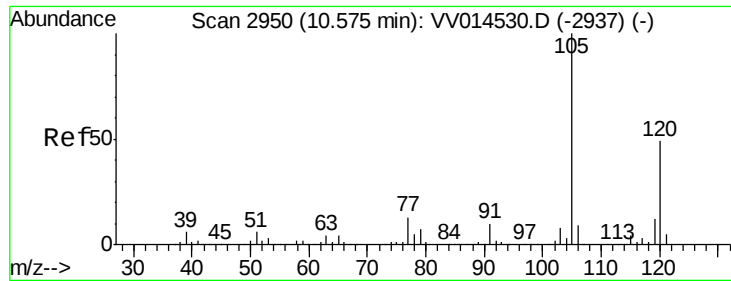
Ion Ratio Lower Upper

75 100

77 32.9 25.8 38.8

110 40.8 32.4 48.6

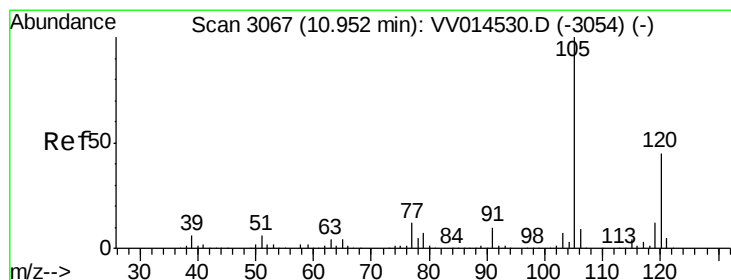
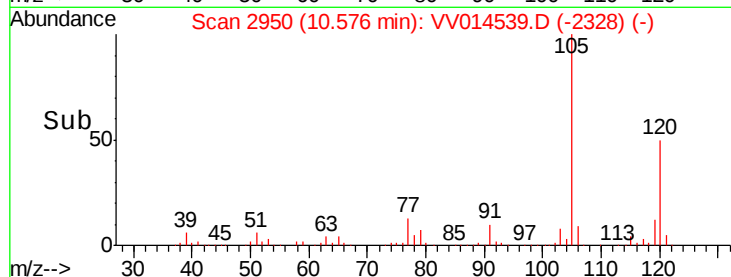
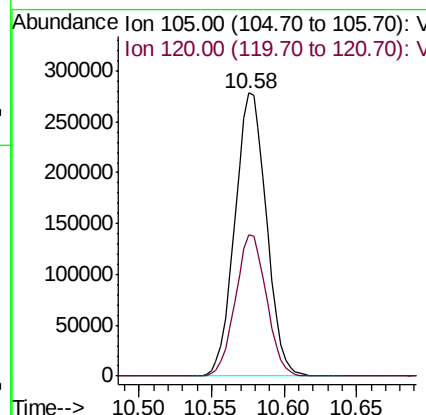
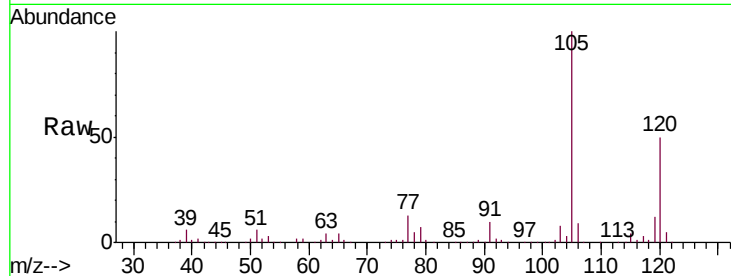




#62
 1,3,5-Trimethylbenzene
 Concen: 41.430 ug/L
 RT: 10.58 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VV014539.D
 Acq: 07 Feb 2020 15:40

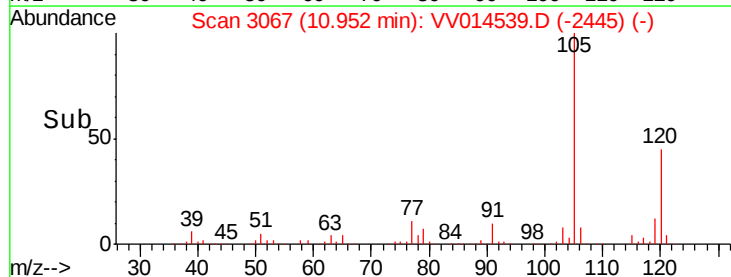
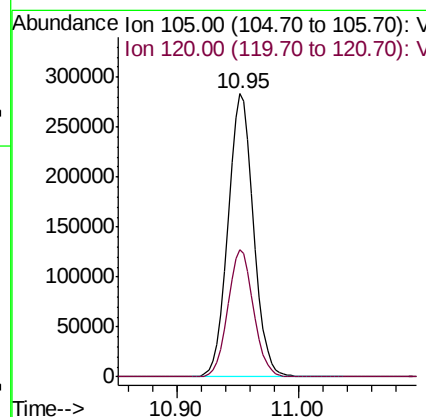
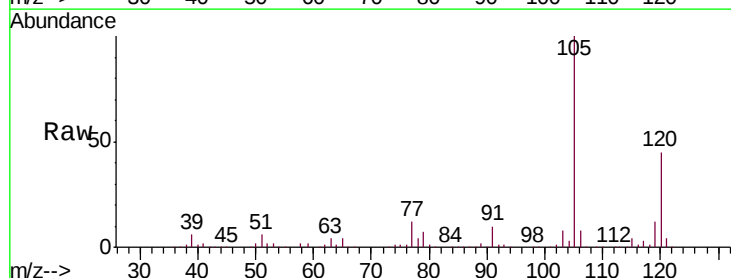
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050209

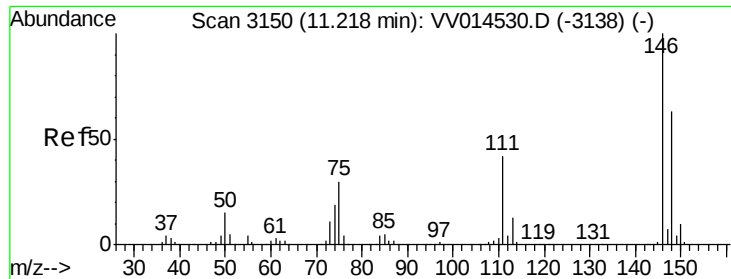
Tgt Ion:105 Resp: 419322
 Ion Ratio Lower Upper
 105 100
 120 49.3 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 41.693 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. 0.00 min
 Lab File: VV014539.D
 Acq: 07 Feb 2020 15:40

Tgt Ion:105 Resp: 416012
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.2 54.4

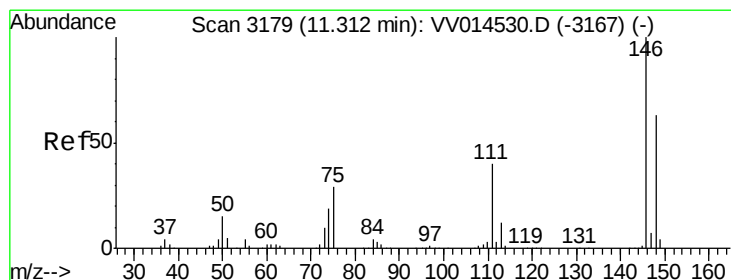
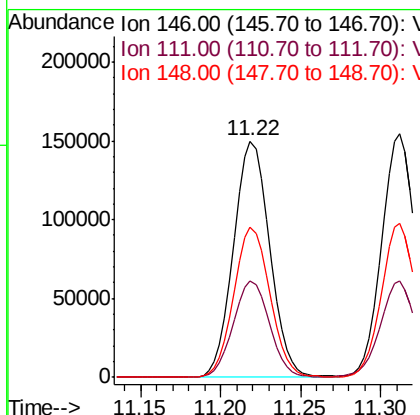
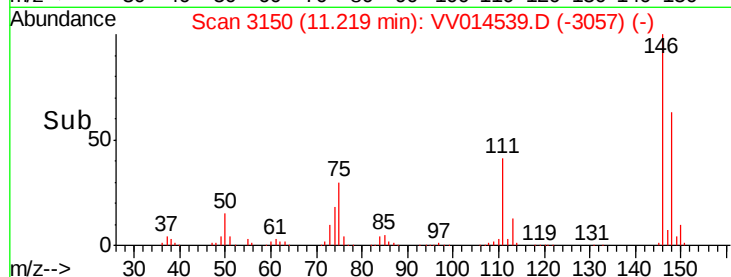
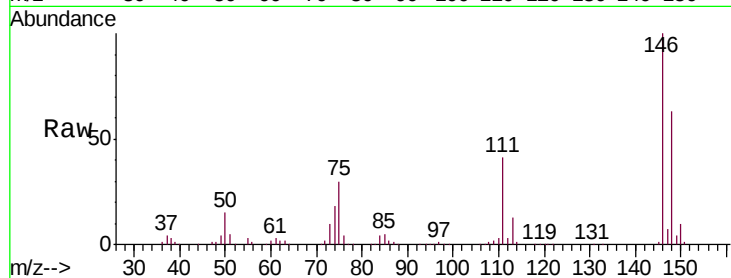




#64
 1,3-Dichlorobenzene
 Concen: 41.423 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014539.D
 Acq: 07 Feb 2020 15:40

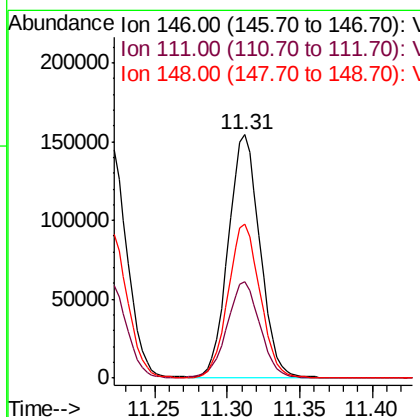
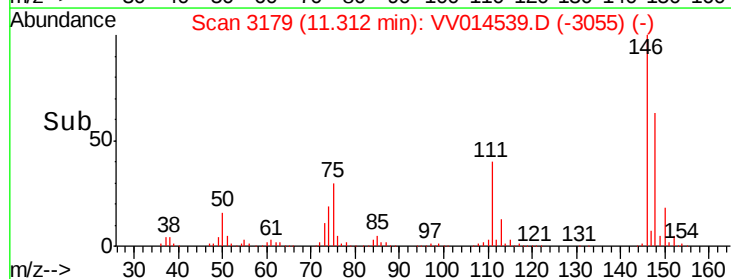
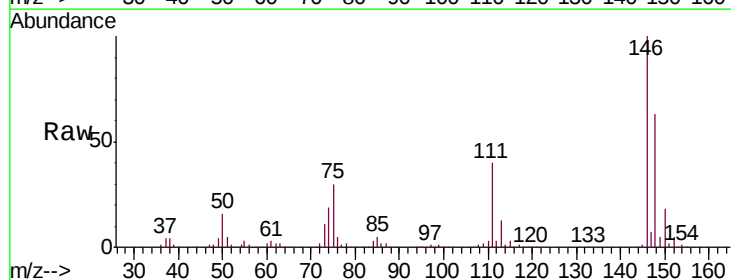
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050209

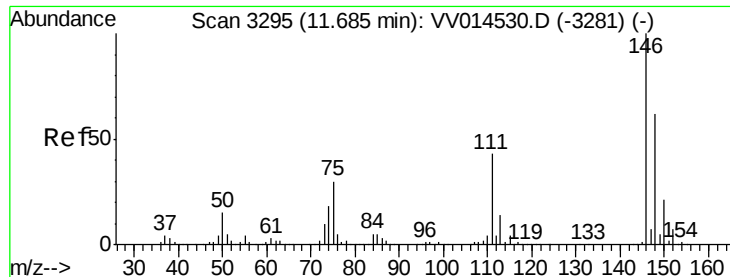
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.9	53.7
148	63.3	44.4	82.5



#65
 1,4-Dichlorobenzene
 Concen: 40.694 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014539.D
 Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.1	52.3
148	63.3	44.4	82.4

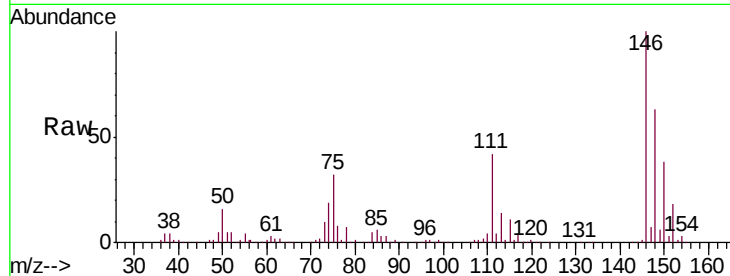




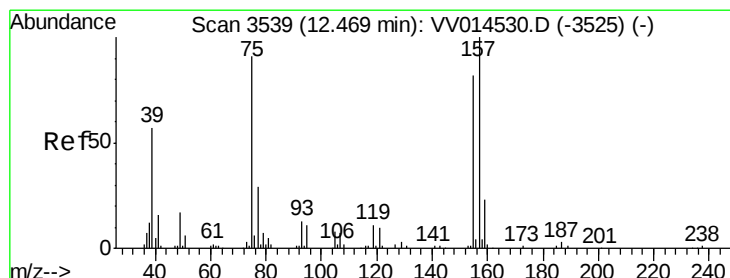
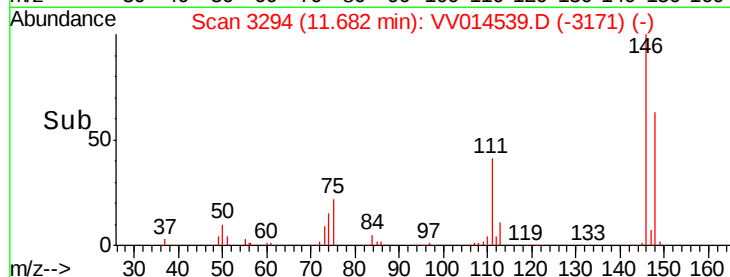
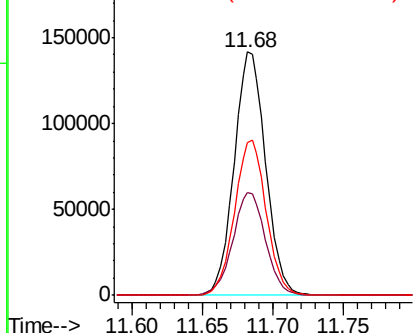
#67
 1,2-Dichlorobenzene
 Concen: 41.004 ug/L
 RT: 11.68 min Scan# 3294
 Delta R.T. -0.00 min
 Lab File: VV014539.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050209

Tgt Ion: 146 Resp: 221701
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.6 51.8
 148 63.0 50.2 75.4

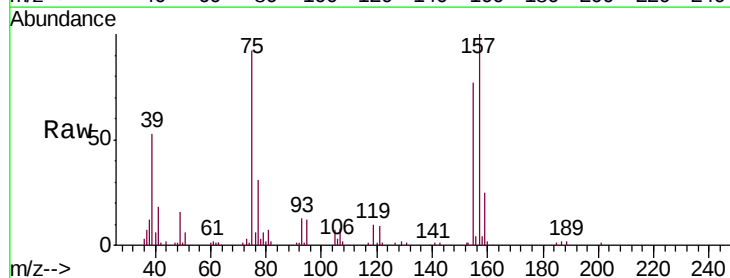


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

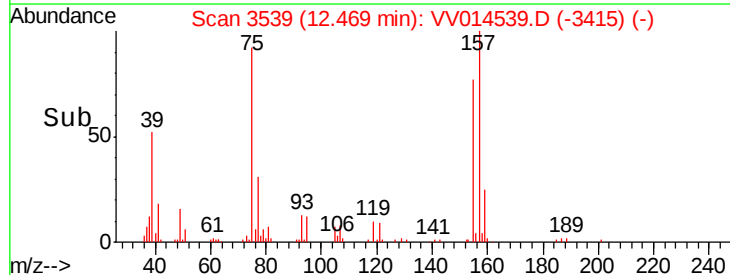
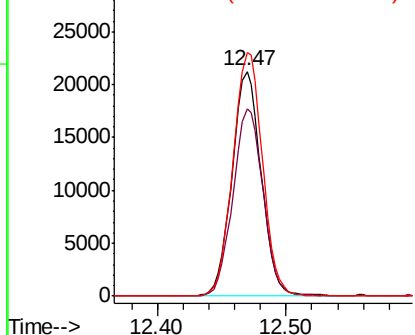


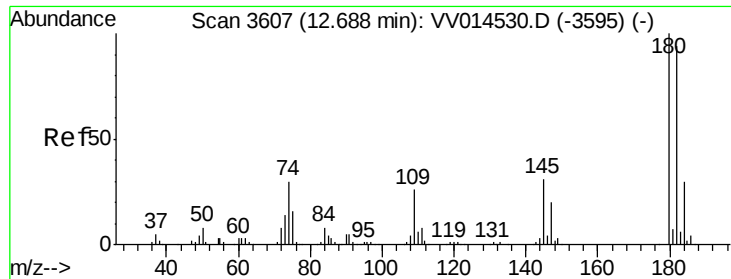
#68
 1,2-Dibromo-3-chloropropane
 Concen: 38.499 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014539.D
 Acq: 07 Feb 2020 15:40

Tgt Ion: 75 Resp: 33381
 Ion Ratio Lower Upper
 75 100
 155 83.5 68.3 102.5
 157 108.4 87.1 130.7



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

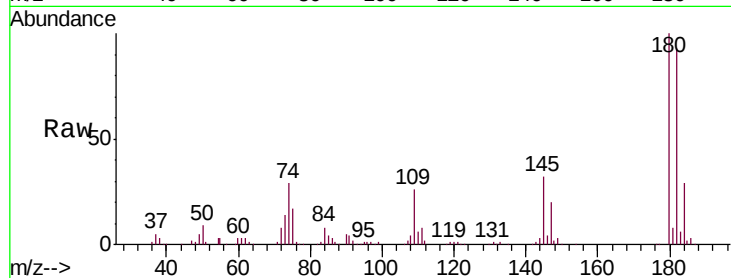




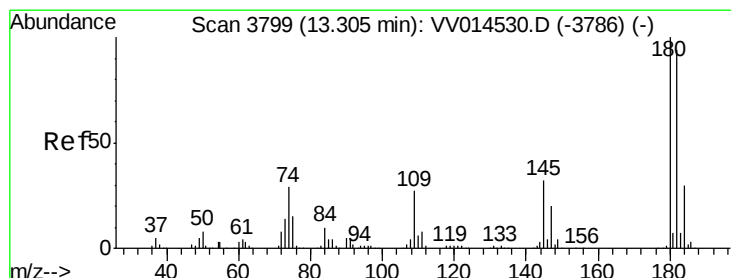
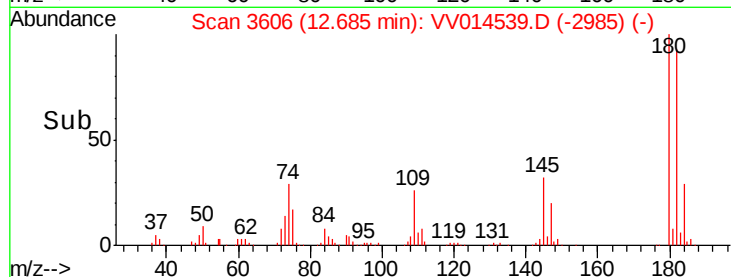
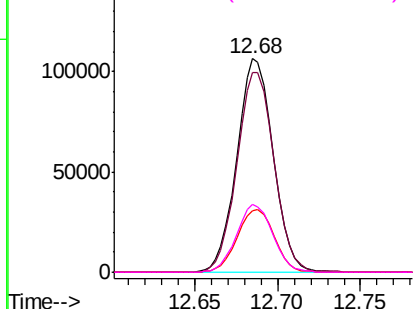
#69
 1,3,5-Trichlorobenzene
 Concen: 41.305 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014539.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050209

Tgt Ion:180 Resp: 162276
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.0 112.4
 184 30.3 24.2 36.2
 145 31.7 24.3 36.5

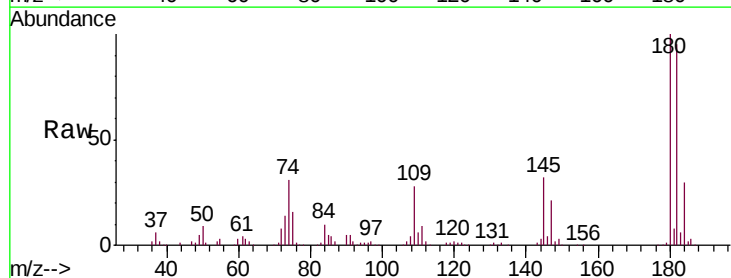


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

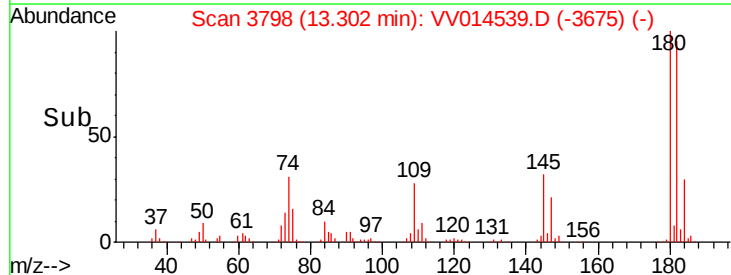
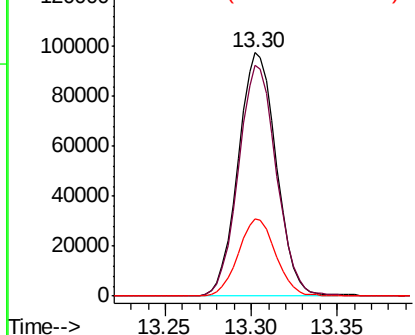


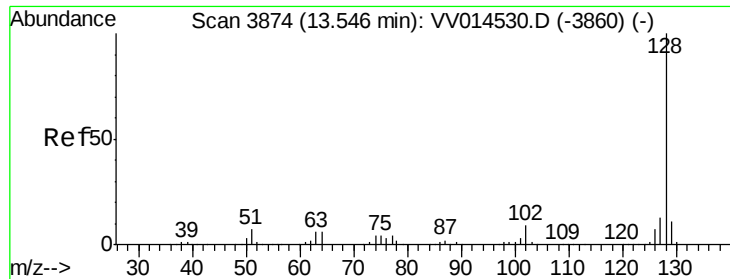
#70
 1,2,4-trichlorobenzene
 Concen: 41.764 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014539.D
 Acq: 07 Feb 2020 15:40

Tgt Ion:180 Resp: 150644
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.0 114.0
 145 31.3 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

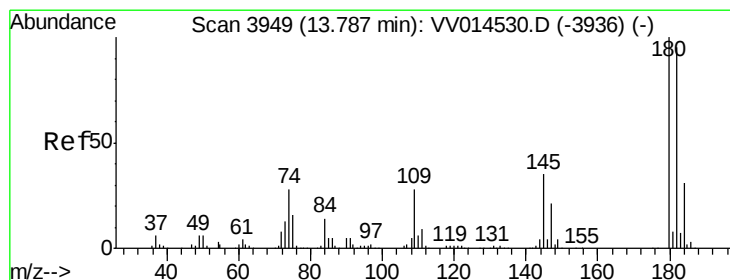
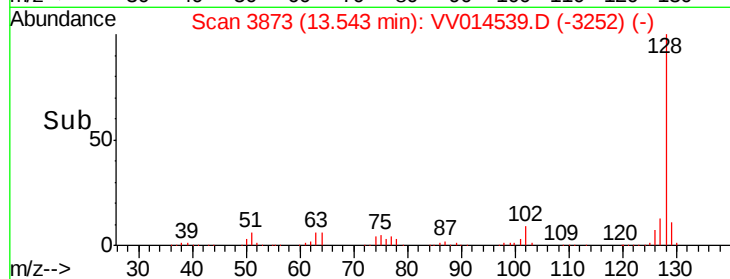
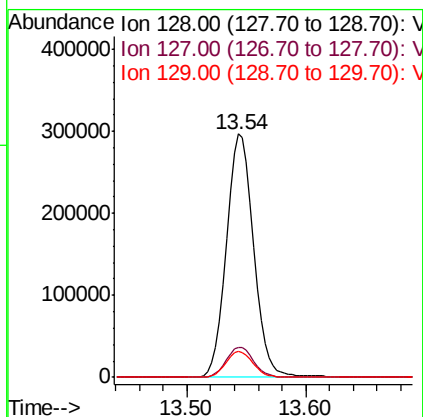
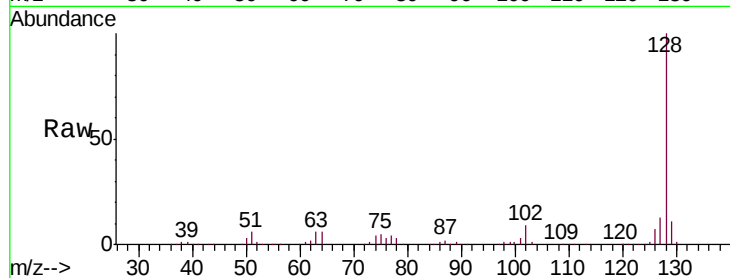




#71
Naphthalene
Concen: 39.811 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD050209

Tgt Ion:128 Resp: 471696
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 40.751 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014539.D
Acq: 07 Feb 2020 15:40

Tgt Ion:180 Resp: 142816
Ion Ratio Lower Upper
180 100
182 95.1 75.2 112.8
145 34.3 27.1 40.7

