

Data File : VV014965.D
Acq On : 17 Mar 2020 11:16
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Quant Time: Mar 18 05:16:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 01:54:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	342567	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	338460	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	181619	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91106	39.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.84%
7) Chloroethane-d5	1.58	69	74536	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.94%
11) 1,1-Dichloroethene-d2	2.12	63	154494	44.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.24%
21) 2-Butanone-d5	3.93	46	98652	70.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.89%
24) Chloroform-d	4.38	84	230601	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.06	65	145102	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.34%
32) Benzene-d6	5.08	84	446033	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.68%
36) 1,2-Dichloropropane-d6	6.10	67	132703	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.58%
41) Toluene-d8	7.34	98	440623	47.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.56%
43) trans-1,3-Dichloropropene-	7.64	79	67874	45.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.96%
47) 2-Hexanone-d5	8.12	63	121605	97.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.03%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	198263	48.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	195012	49.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	150319	46.945	ug/L 100
3) Chloromethane	1.25	50	104822	45.484	ug/L 99
5) Vinyl chloride	1.32	62	102356	45.833	ug/L 100
6) Bromomethane	1.53	94	62584	43.714	ug/L 100
8) Chloroethane	1.60	64	57939	47.678	ug/L 96
9) Trichlorofluoromethane	1.76	101	171515	48.536	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	81404	46.127	ug/L 99
12) 1,1-Dichloroethene	2.13	96	77799	48.326	ug/L 83
13) Acetone	2.20	43	62774	45.655	ug/L 93
14) Carbon disulfide	2.31	76	246476	46.663	ug/L 100
15) Methyl Acetate	2.45	43	83195	46.845	ug/L 95
16) Methylene chloride	2.52	84	116402	47.790	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	108931	48.209	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	350731	48.568	ug/L 99
19) 1,1-Dichloroethane	3.21	63	197037	48.505	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	125219	48.642	ug/L 97
22) 2-Butanone	4.01	43	113062	81.855	ug/L 90

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	66932	49.093	ug/L	98
25) Chloroform	4.41	83	218218	48.654	ug/L	99
27) 1,2-Dichloroethane	5.16	62	166297	49.201	ug/L	99
29) Cyclohexane	4.70	56	167334	47.867	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	198093	49.209	ug/L	99
31) Carbon tetrachloride	4.86	117	175537	48.912	ug/L	98
33) Benzene	5.13	78	454283	49.326	ug/L	100
34) Trichloroethene	5.94	95	119676	48.423	ug/L	98
35) Methylcyclohexane	6.15	83	183780	46.095	ug/L	99
37) 1,2-Dichloropropane	6.20	63	109927	47.634	ug/L	99
38) Bromodichloromethane	6.53	83	160576	49.084	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	172334	45.425	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	300270	96.722	ug/L	99
42) Toluene	7.41	91	515677	49.761	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	160329	47.496	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	118764	49.420	ug/L	99
46) Tetrachloroethene	8.00	164	110952	48.053	ug/L	98
48) 2-Hexanone	8.17	43	235019	95.315	ug/L	99
49) Dibromochloromethane	8.27	129	135247	50.031	ug/L	99
50) 1,2-Dibromoethane	8.37	107	127802	48.479	ug/L	99
51) Chlorobenzene	8.90	112	348164	48.786	ug/L	99
52) Ethylbenzene	9.03	91	581092	49.197	ug/L	100
53) m,p-Xylene	9.16	106	228515	49.853	ug/L	98
54) o-xylene	9.56	106	227984	50.169	ug/L	99
55) Styrene	9.58	104	387030	51.016	ug/L	100
56) Isopropylbenzene	9.95	105	600579	50.120	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	192854	48.508	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	152782	48.280	ug/L	99
61) Bromoform	9.75	173	97847	50.214	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	293900	49.106	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	299990	49.759	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	303829	50.820	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	43573	48.482	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	225629	48.083	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	204619	48.923	ug/L	98
69) Naphthalene	13.52	128	284428	52.940	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	214648	51.845	ug/L	99

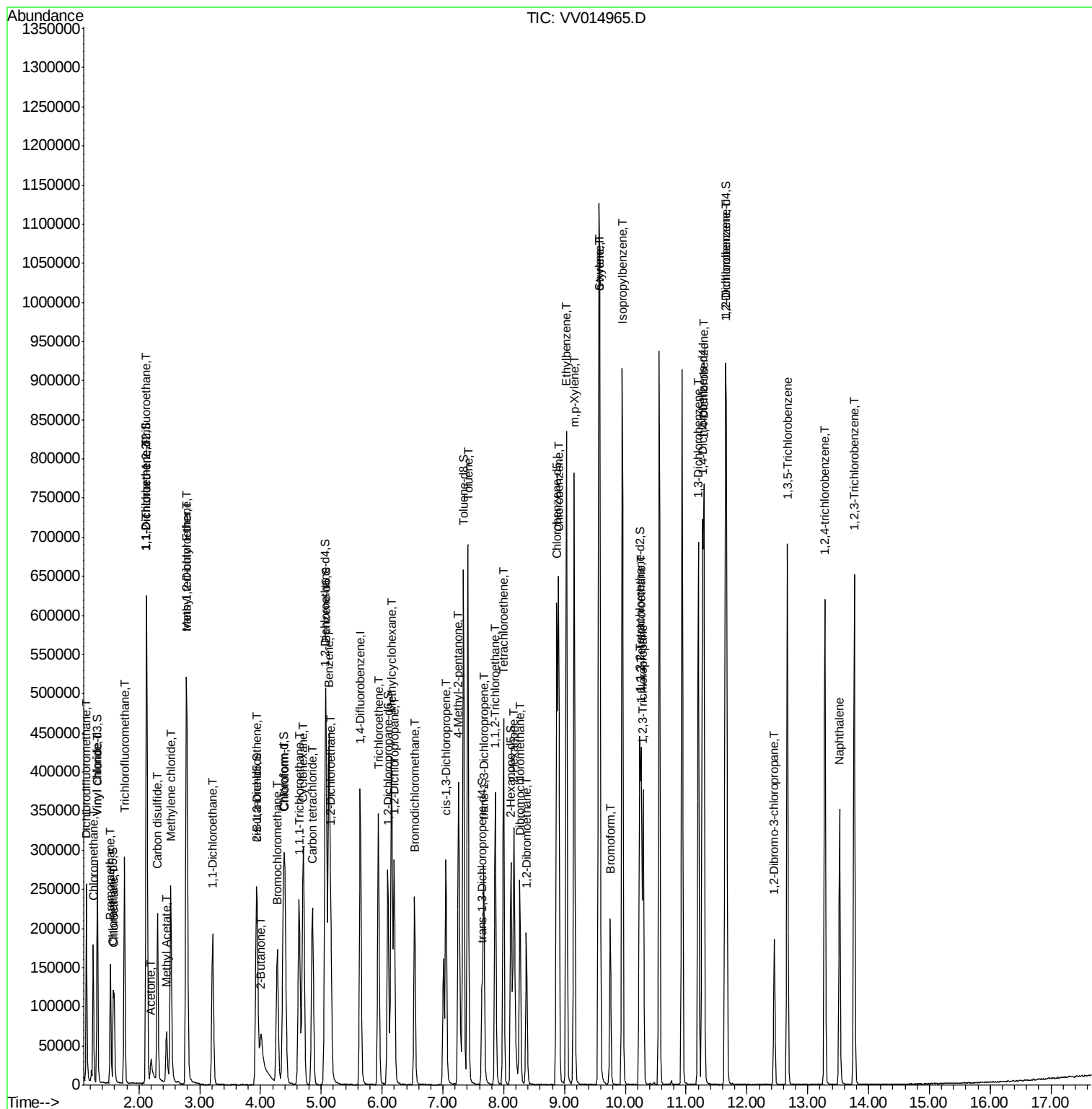
(#) = qualifier out of range (m) = manual integration (+) = signals summed

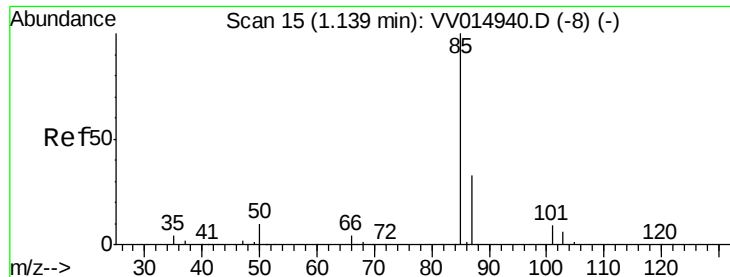
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```
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#2

Dichlorodifluoromethane

Concen: 46.945 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

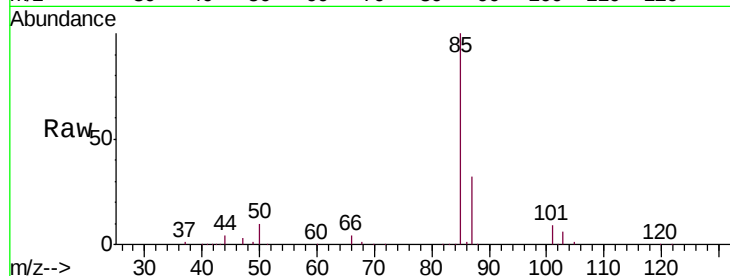
VSTD05094

Tgt Ion: 85 Resp: 150319

Ion Ratio Lower Upper

85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014940.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014940.D (-8) (-)

1.14

150000

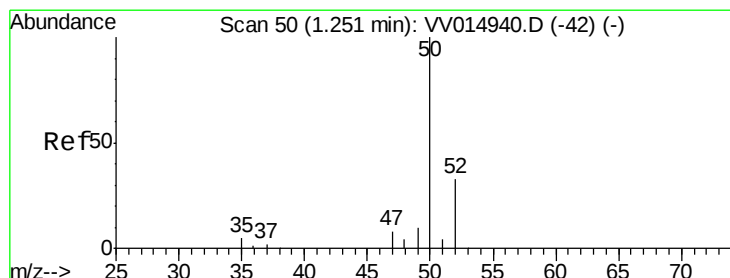
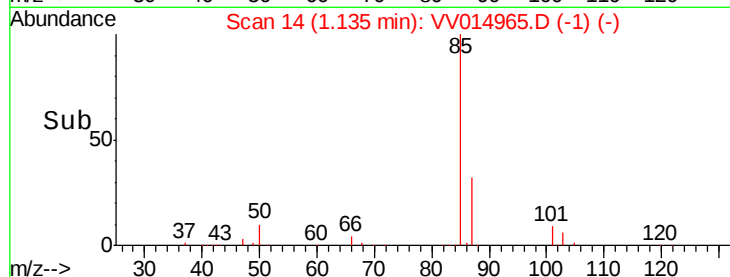
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 45.484 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV014965.D

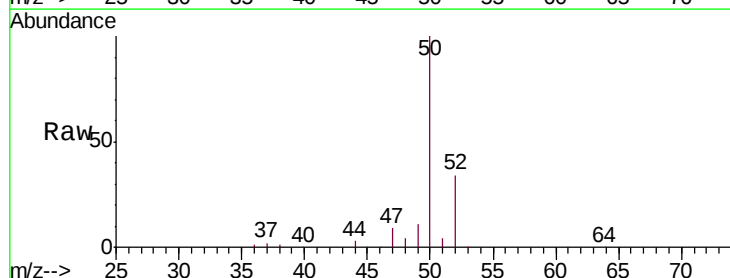
Acq: 17 Mar 2020 11:16

Tgt Ion: 50 Resp: 104822

Ion Ratio Lower Upper

50 100

52 33.6 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV014940.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV014940.D (-42) (-)

1.25

120000

100000

80000

60000

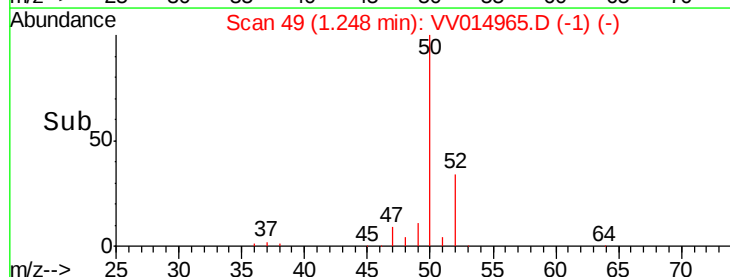
40000

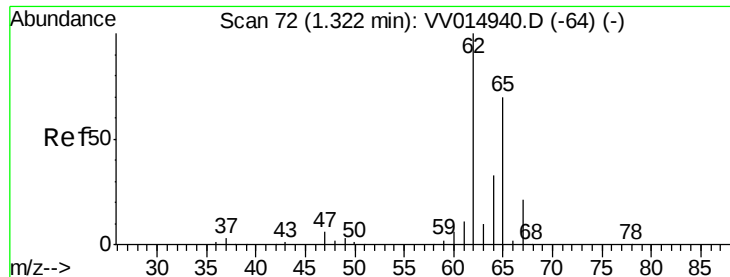
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 45.833 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

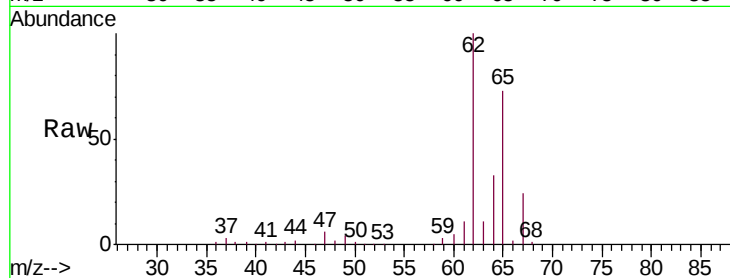
VSTD05094

Tgt Ion: 62 Resp: 102356

Ion Ratio Lower Upper

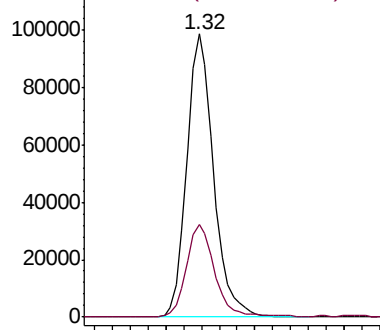
62 100

64 32.9 23.0 42.8

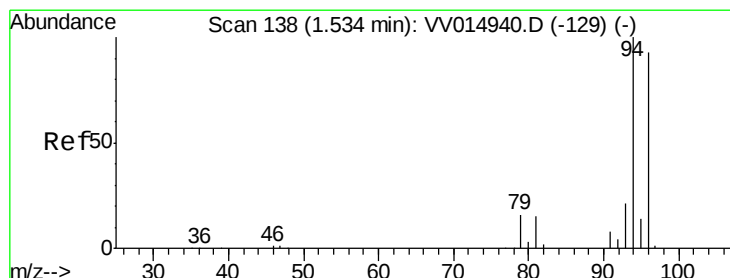
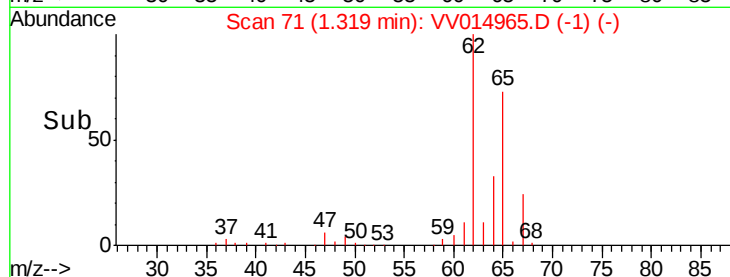


Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



Time-->



#6

Bromomethane

Concen: 43.714 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV014965.D

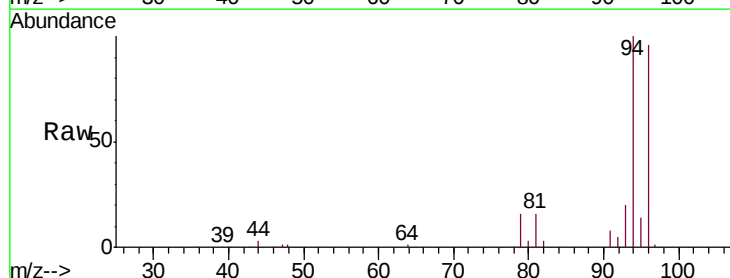
Acq: 17 Mar 2020 11:16

Tgt Ion: 94 Resp: 62584

Ion Ratio Lower Upper

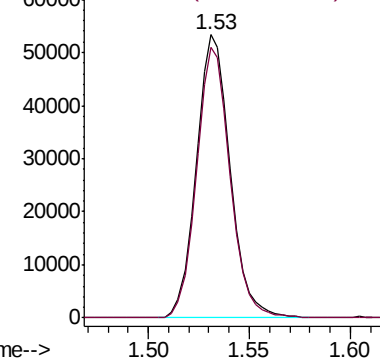
94 100

96 95.7 66.8 124.0

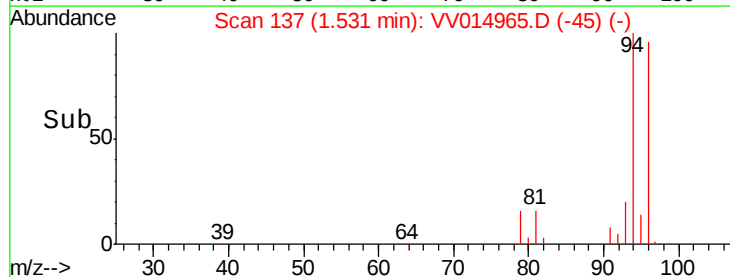


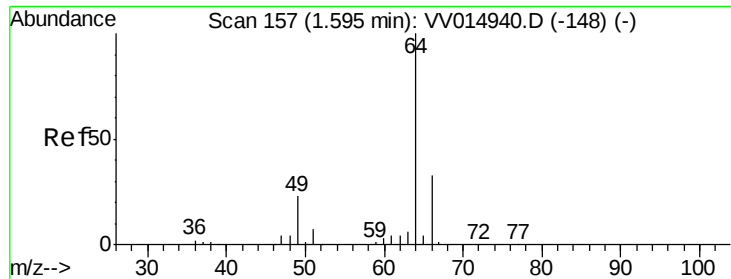
Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



Time-->





#8

Chloroethane

Concen: 47.678 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

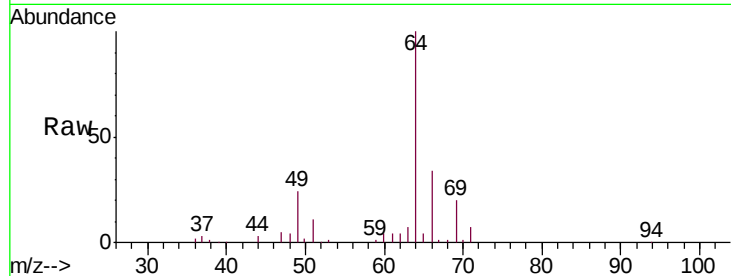
VSTD05094

Tgt Ion: 64 Resp: 57939

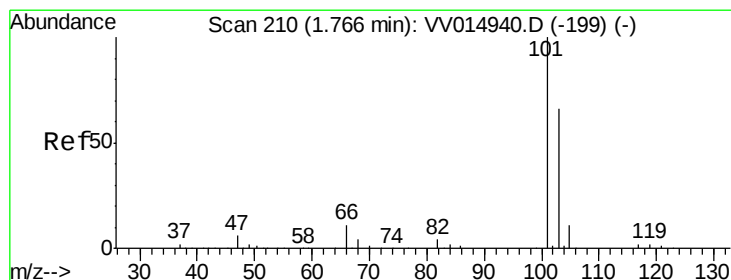
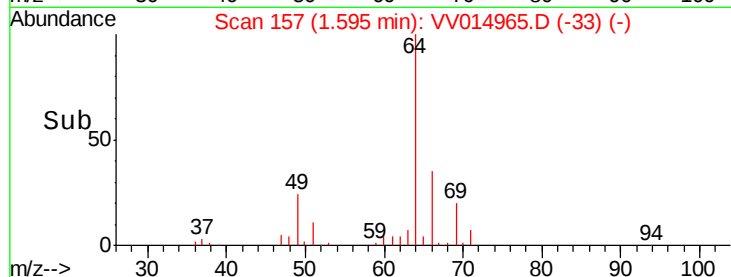
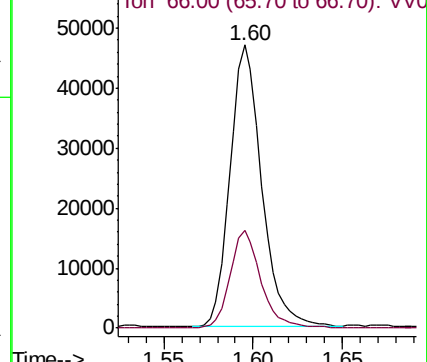
Ion Ratio Lower Upper

64 100

66 34.4 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV014940.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 48.536 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV014965.D

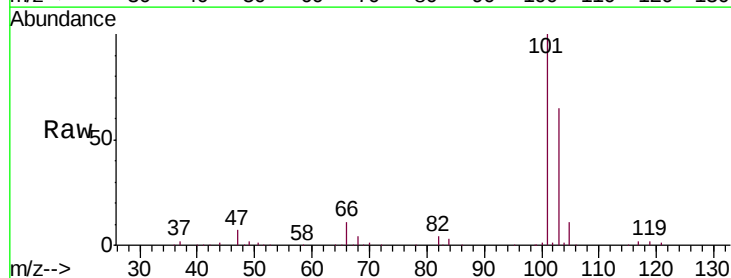
Acq: 17 Mar 2020 11:16

Tgt Ion: 101 Resp: 171515

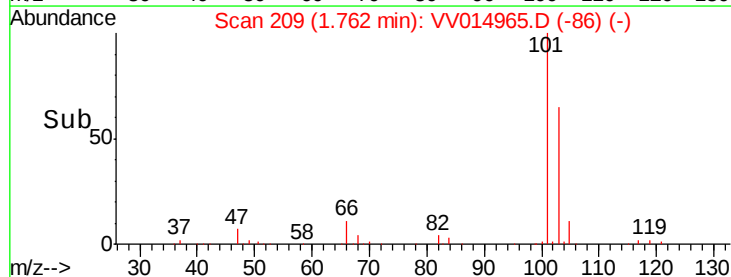
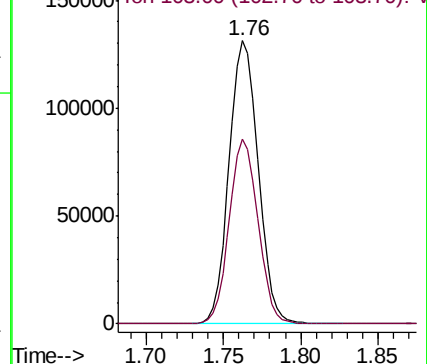
Ion Ratio Lower Upper

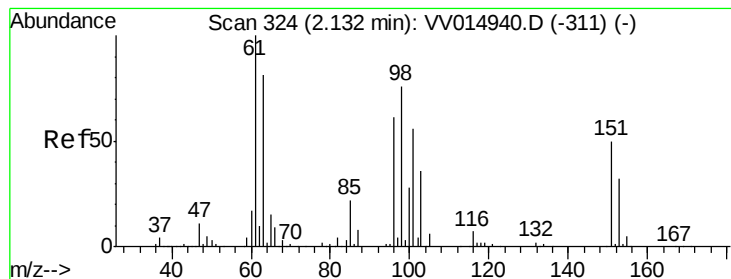
101 100

103 64.3 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV014940.D (-199) (-)





#10

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

Concen: 46.127 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

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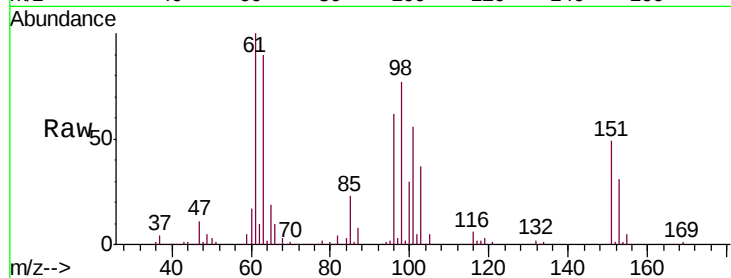
Tgt Ion:101 Resp: 81404

Ion Ratio Lower Upper

101 100

85 40.8 33.9 50.9

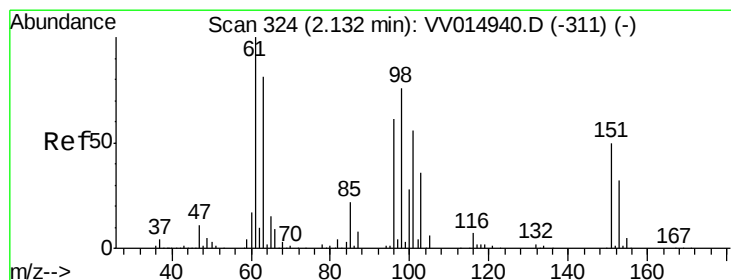
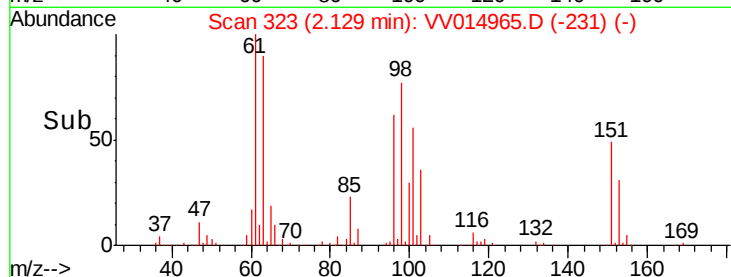
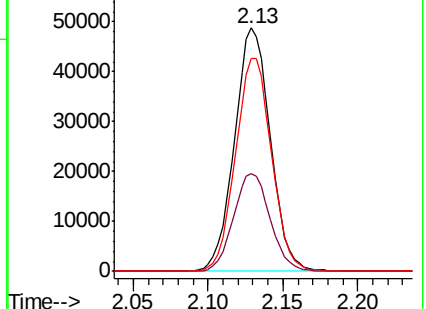
151 87.7 70.1 105.1



Abundance Ion 101.00 (100.70 to 101.70): VV014940.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV014940.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV014940.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 48.326 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

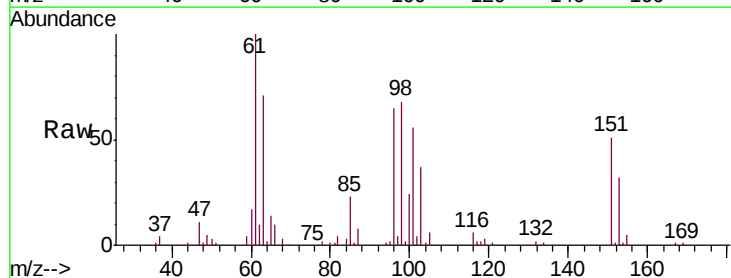
Tgt Ion: 96 Resp: 77799

Ion Ratio Lower Upper

96 100

61 154.0 115.7 214.9

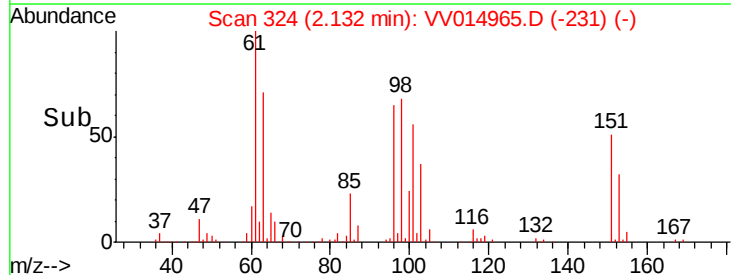
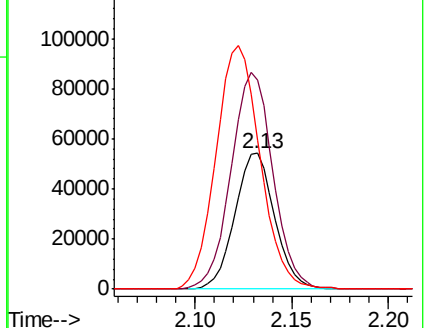
63 109.6 99.2 184.2

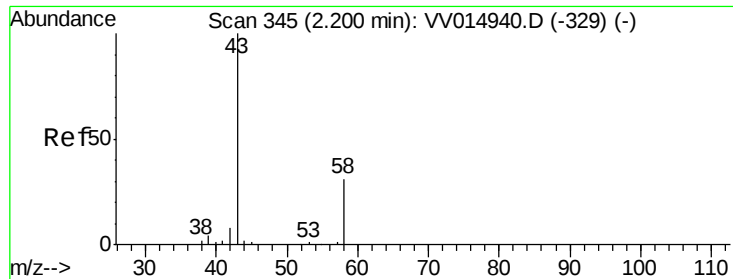


Abundance Ion 96.00 (95.70 to 96.70): VV014965.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV014965.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV014965.D (-231) (-)





#13

Acetone

Concen: 45.655 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

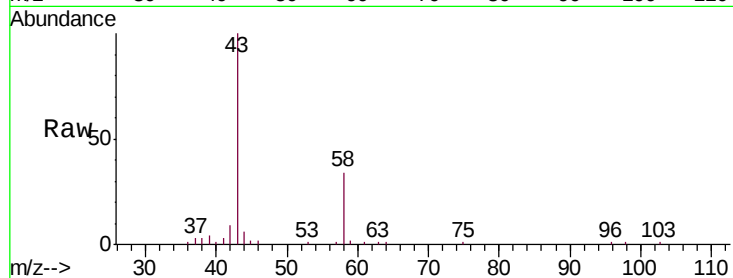
VSTD05094

Tgt Ion: 43 Resp: 62774

Ion Ratio Lower Upper

43 100

58 29.3 0.0 51.6



Abundance Ion 43.00 (42.70 to 43.70): VV014940.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014940.D (-329) (-)

20000

15000

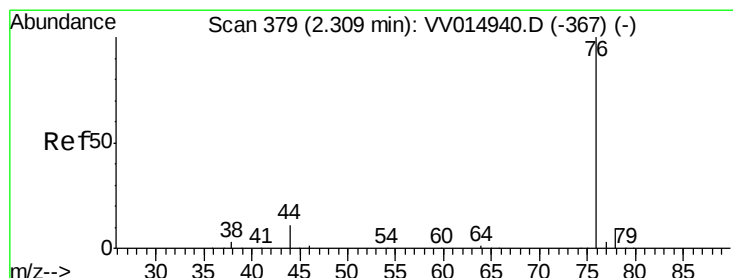
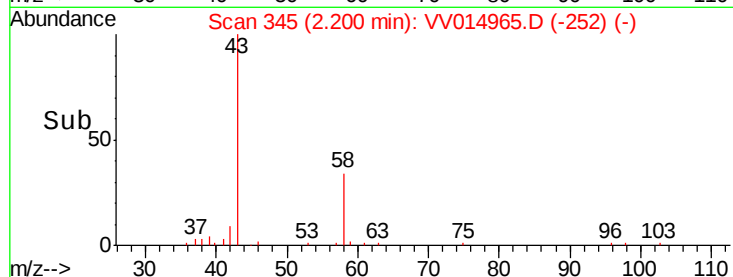
10000

5000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 46.663 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV014965.D

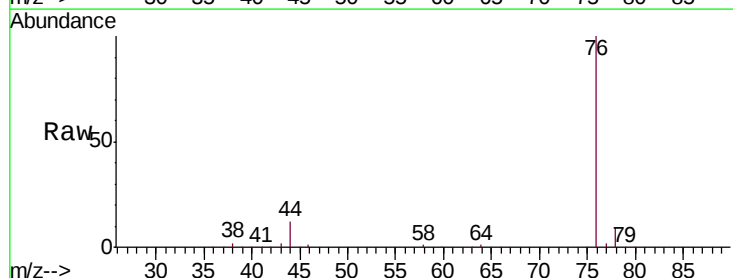
Acq: 17 Mar 2020 11:16

Tgt Ion: 76 Resp: 246476

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV014940.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV014940.D (-367) (-)

150000

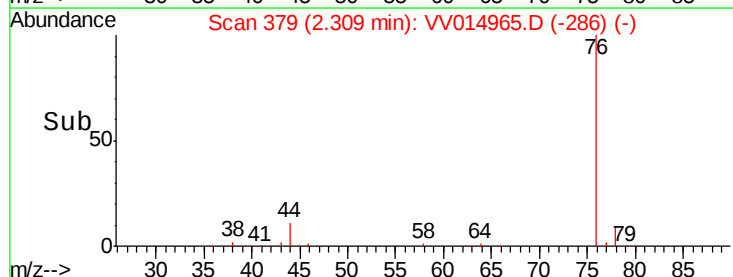
100000

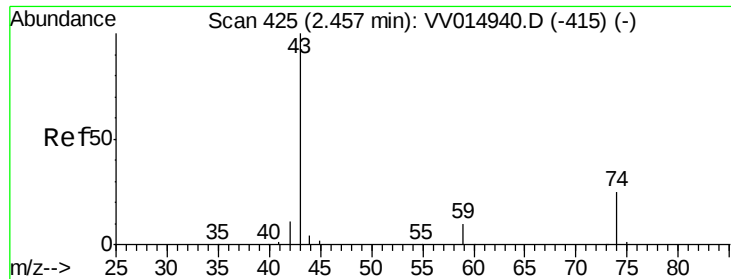
50000

0

Time-->

2.25 2.30 2.35 2.40

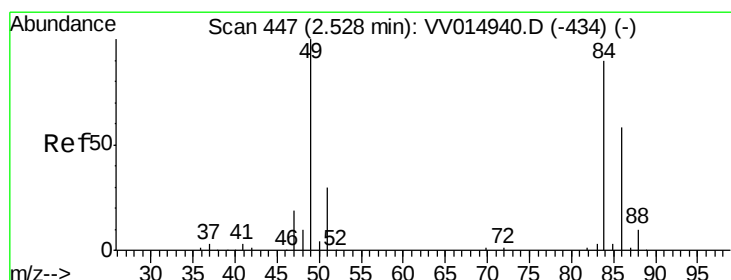
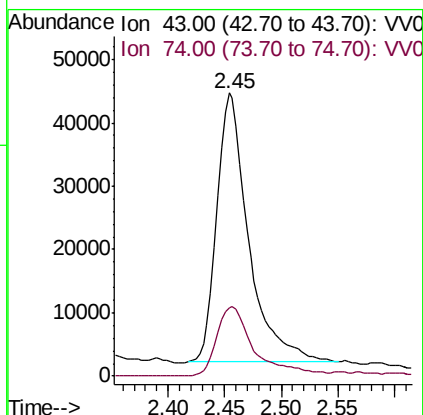
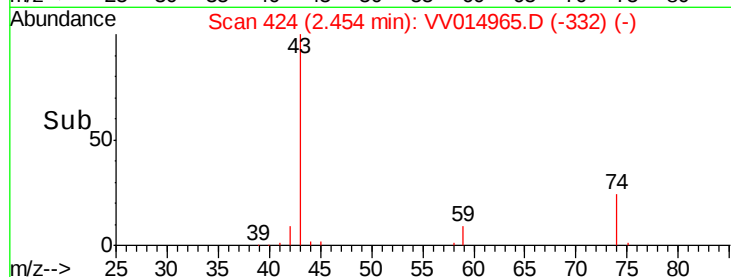
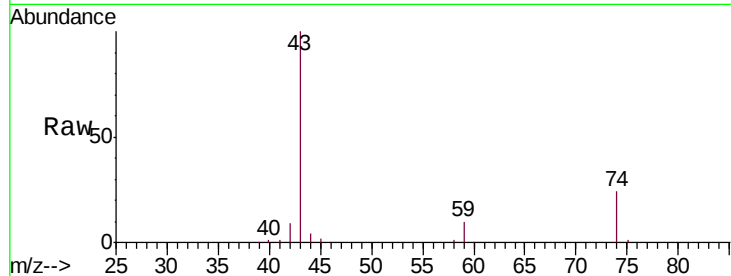




#15
Methyl Acetate
Concen: 46.845 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV014965.D
Acq: 17 Mar 2020 11:16

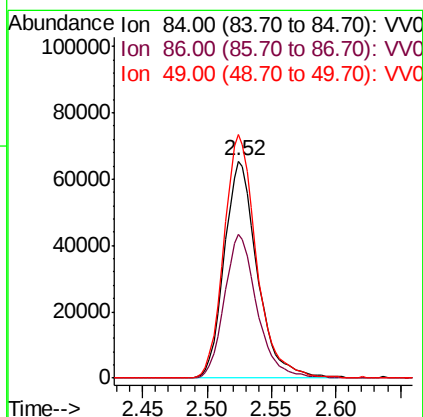
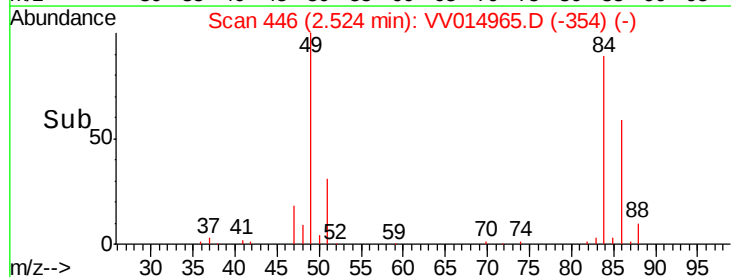
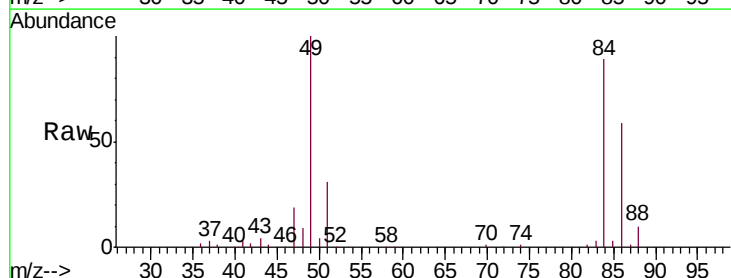
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

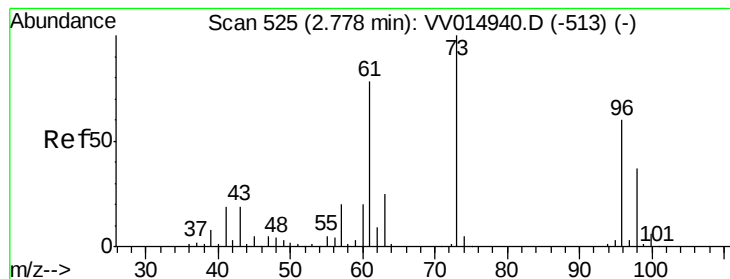
Tgt Ion: 43 Resp: 83195
Ion Ratio Lower Upper
43 100
74 30.7 22.4 33.6



#16
Methylene chloride
Concen: 47.790 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV014965.D
Acq: 17 Mar 2020 11:16

Tgt Ion: 84 Resp: 116402
Ion Ratio Lower Upper
84 100
86 66.0 44.6 82.8
49 112.1 76.9 142.9





#17

trans-1,2-Dichloroethene

Concen: 48.209 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

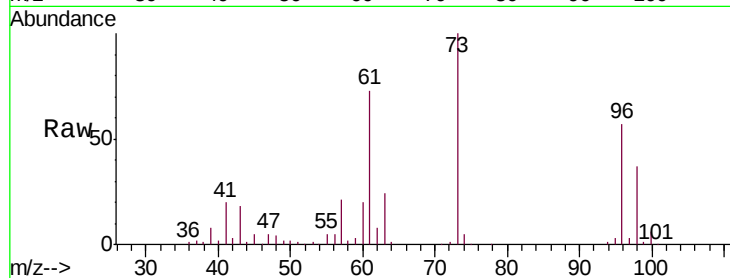
Tgt Ion: 96 Resp: 108931

Ion Ratio Lower Upper

96 100

61 126.5 87.9 163.3

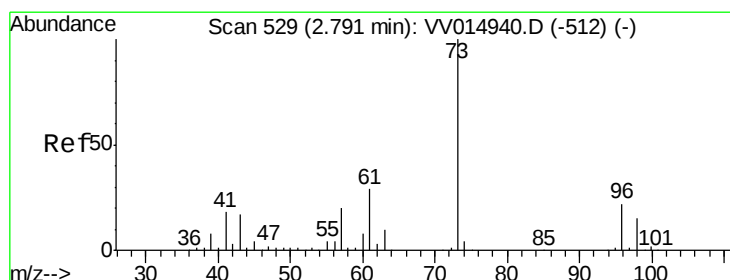
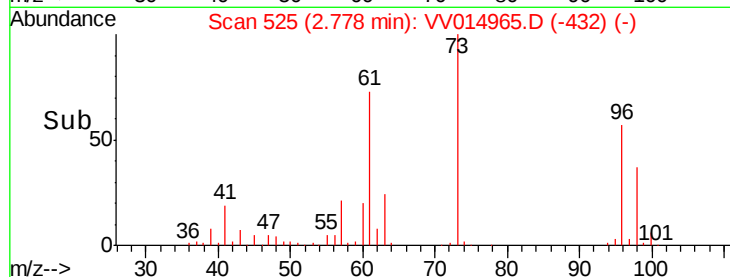
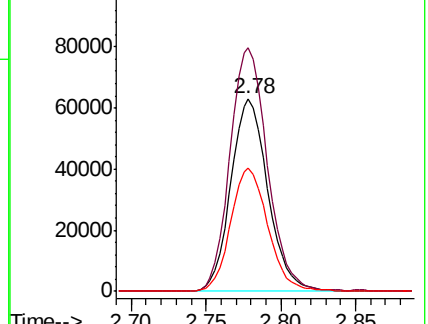
98 64.0 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VV014940.D (-513) (-)

Ion 61.00 (60.70 to 61.70): VV014940.D (-513) (-)

Ion 98.00 (97.70 to 98.70): VV014940.D (-513) (-)



#18

Methyl tert-butyl Ether

Concen: 48.568 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

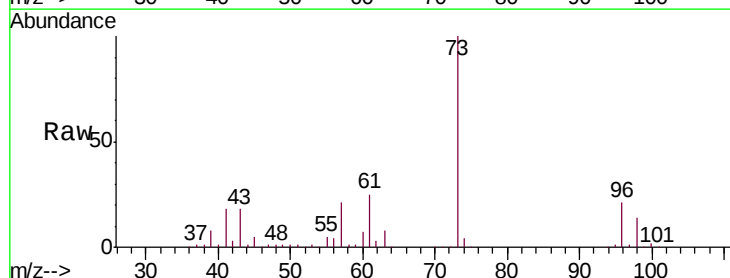
Tgt Ion: 73 Resp: 350731

Ion Ratio Lower Upper

73 100

43 17.2 14.4 21.6

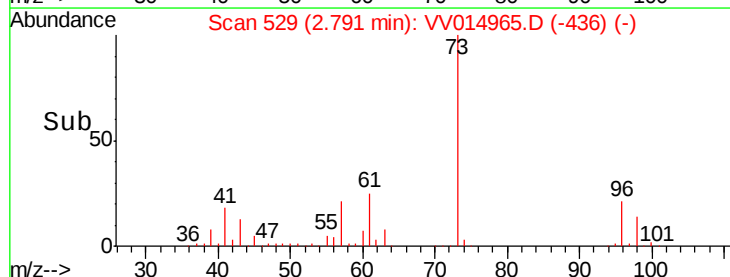
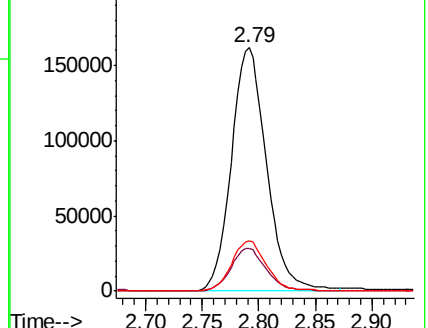
57 20.4 16.0 24.0

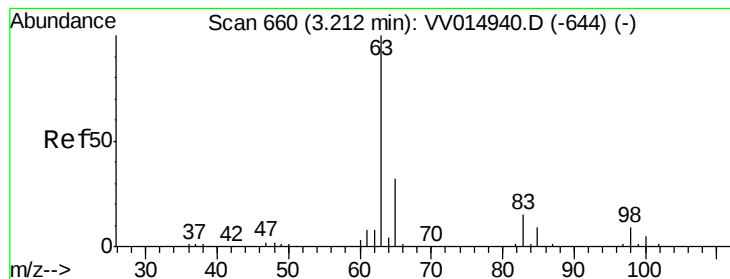


Abundance Ion 73.00 (72.70 to 73.70): VV014940.D (-512) (-)

Ion 43.00 (42.70 to 43.70): VV014940.D (-512) (-)

Ion 57.00 (56.70 to 57.70): VV014940.D (-512) (-)

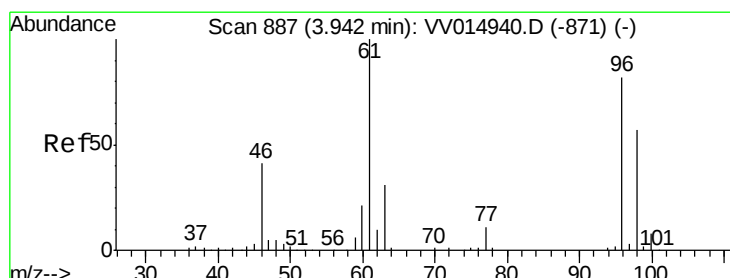
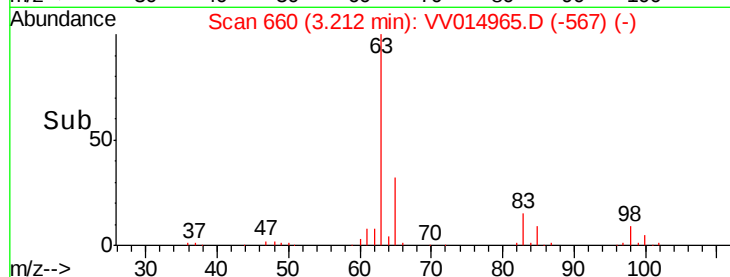
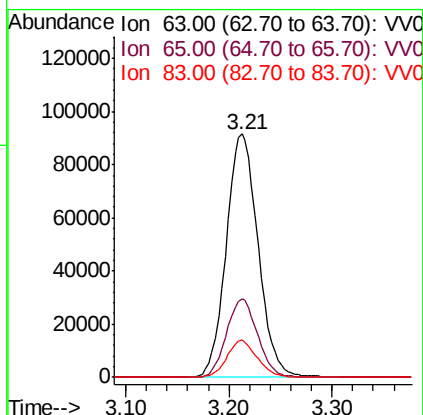
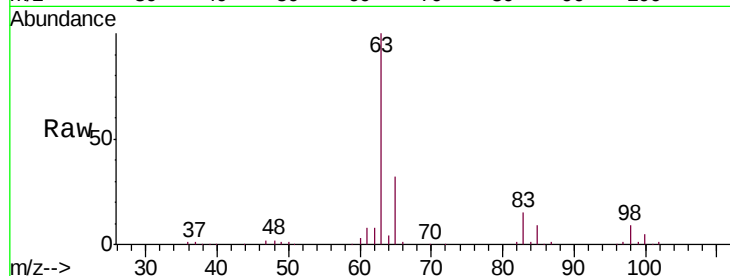




#19
 1,1-Dichloroethane
 Concen: 48.505 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

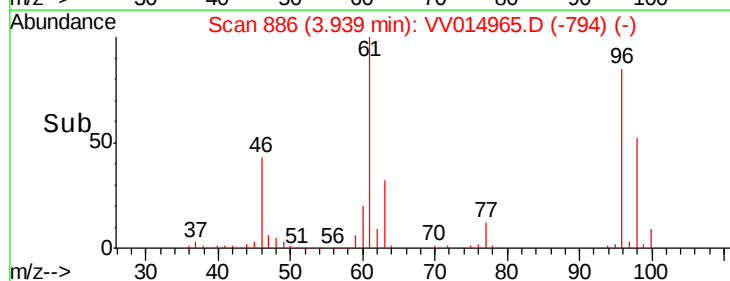
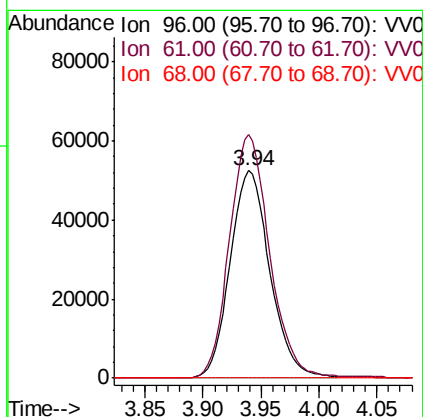
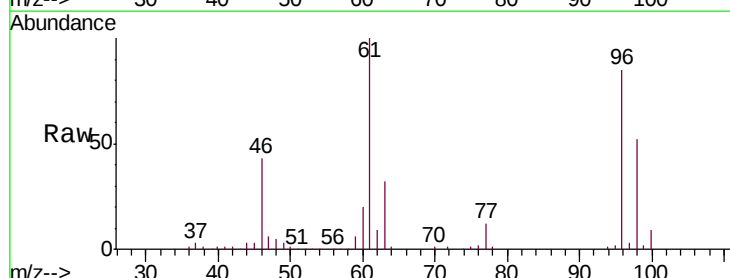
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

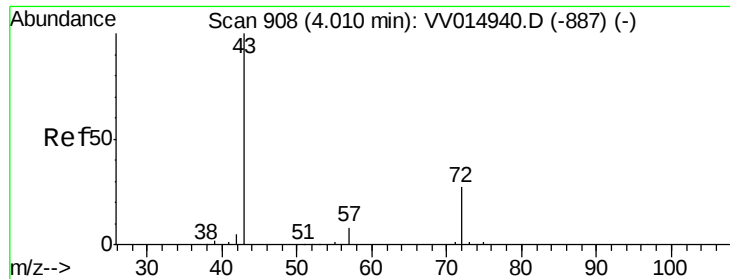
Tgt Ion: 63 Resp: 197037
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.7 42.3
 83 15.2 10.4 19.2



#20
 cis-1,2-Dichloroethene
 Concen: 48.642 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

Tgt Ion: 96 Resp: 125219
 Ion Ratio Lower Upper
 96 100
 61 117.4 80.2 149.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 81.855 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

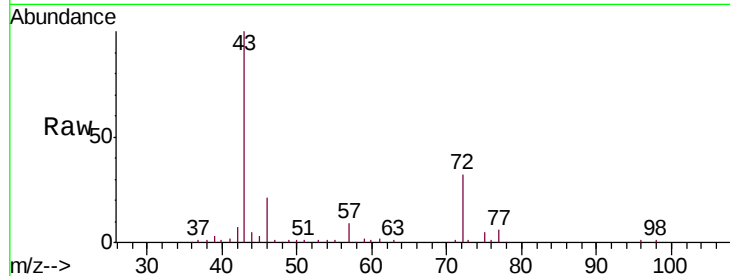
VSTD05094

Tgt Ion: 43 Resp: 113062

Ion Ratio Lower Upper

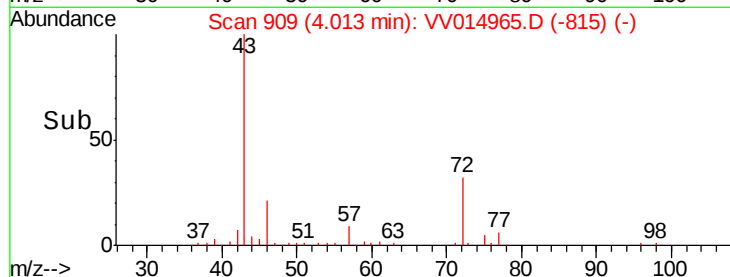
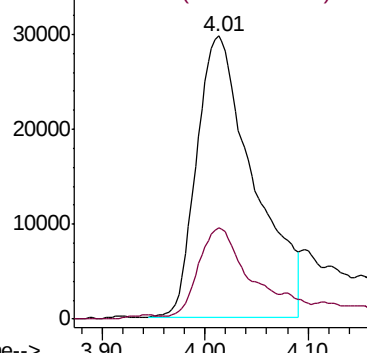
43 100

72 26.6 10.9 32.6

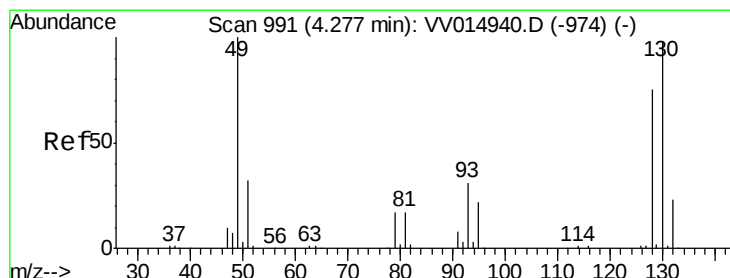


Abundance Ion 43.00 (42.70 to 43.70): VV014940.D (-887) (-)

Ion 72.00 (71.70 to 72.70): VV014940.D (-887) (-)



Time-->



#23

Bromochloromethane

Concen: 49.093 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Tgt Ion: 128 Resp: 66932

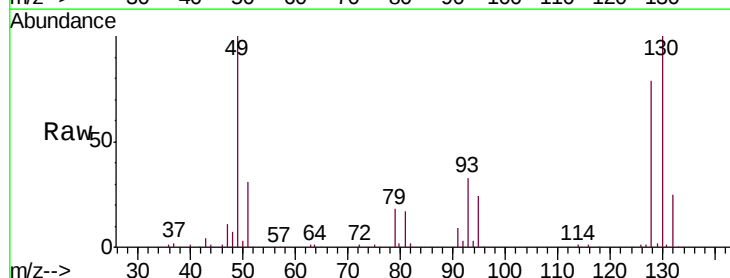
Ion Ratio Lower Upper

128 100

49 126.9 90.4 167.8

130 127.2 90.4 168.0

51 39.3 32.7 49.1

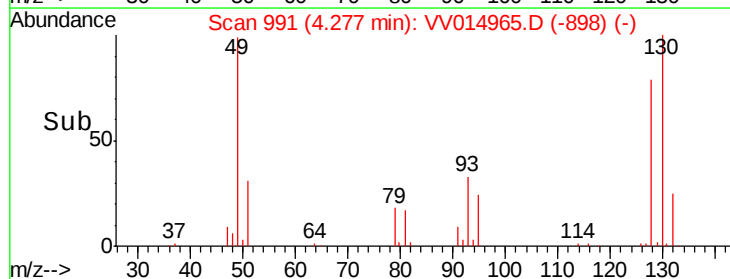
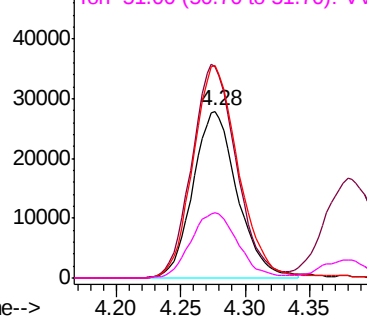


Abundance Ion 128.00 (127.70 to 128.70): VV014940.D (-974) (-)

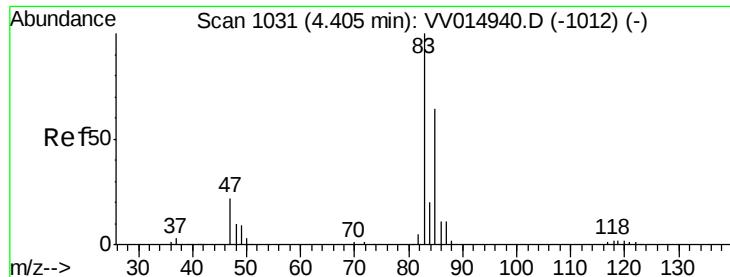
Ion 49.00 (48.70 to 49.70): VV014940.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV014940.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV014940.D (-974) (-)



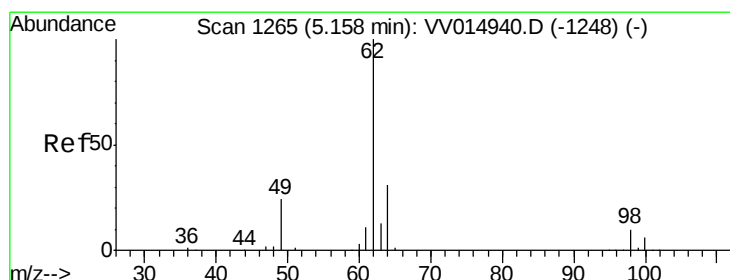
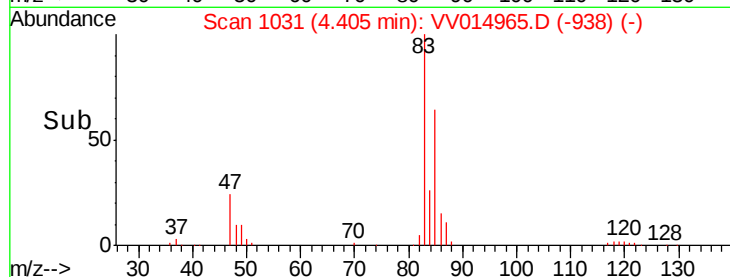
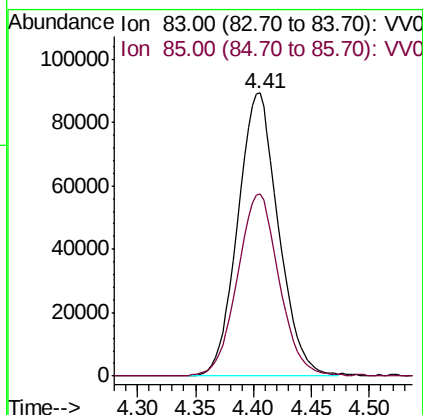
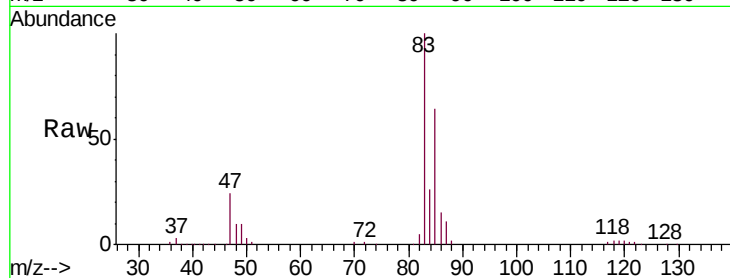
Time-->



#25
Chloroform
Concen: 48.654 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014965.D
Acq: 17 Mar 2020 11:16

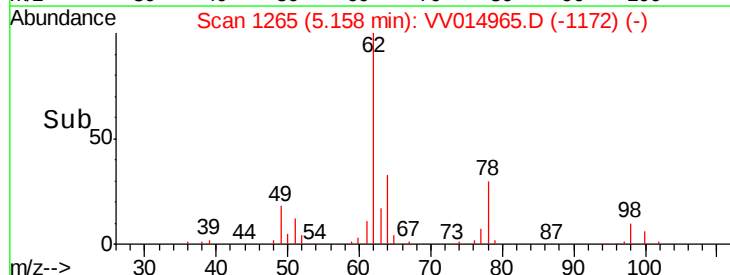
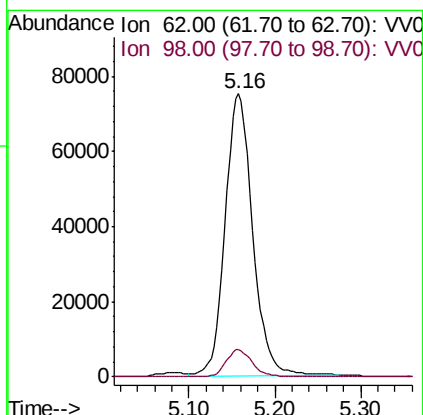
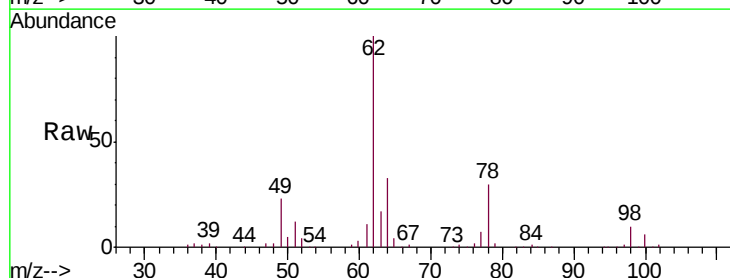
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

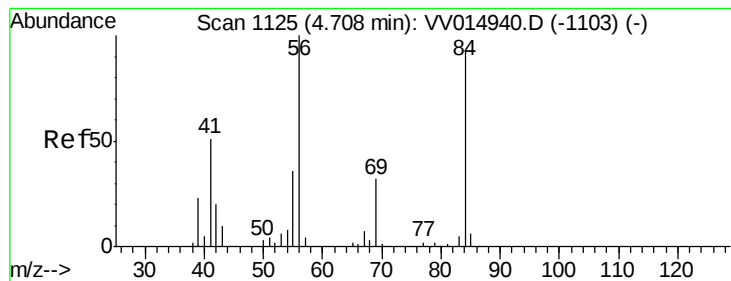
Tgt Ion: 83 Resp: 218218
Ion Ratio Lower Upper
83 100
85 64.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 49.201 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV014965.D
Acq: 17 Mar 2020 11:16

Tgt Ion: 62 Resp: 166297
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.0





#29

Cyclohexane

Concen: 47.867 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

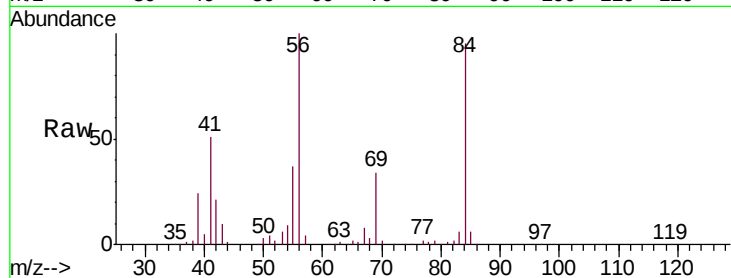
Tgt Ion: 56 Resp: 167334

Ion Ratio Lower Upper

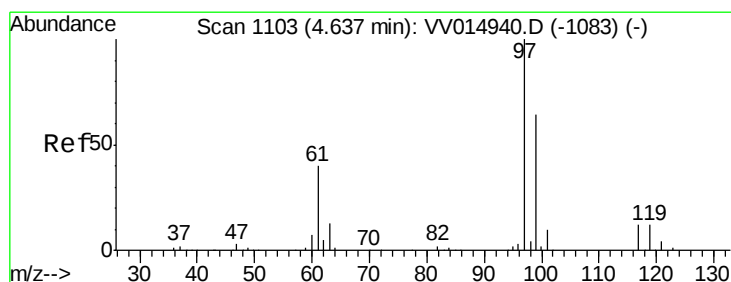
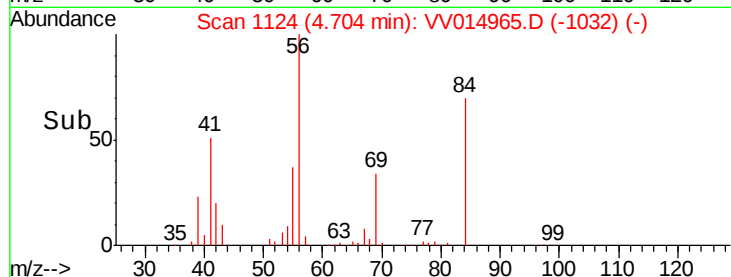
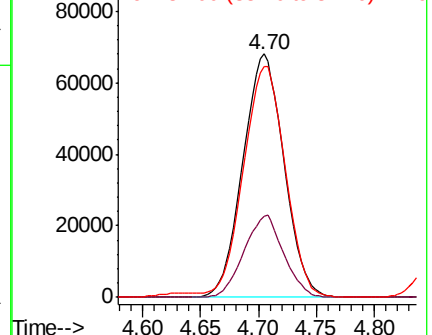
56 100

69 32.6 25.2 37.8

84 96.7 76.4 114.6



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 49.209 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

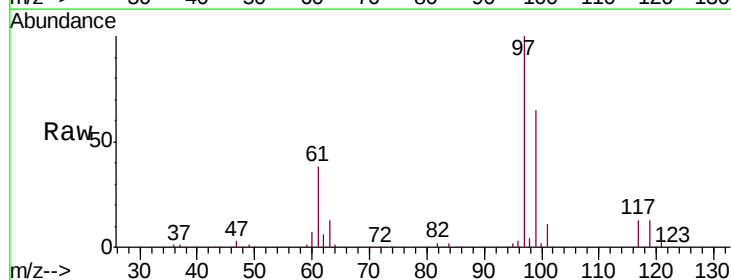
Tgt Ion: 97 Resp: 198093

Ion Ratio Lower Upper

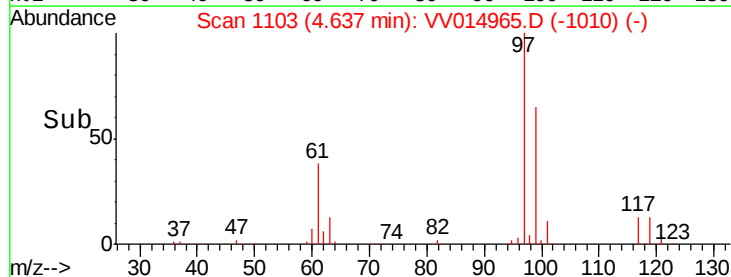
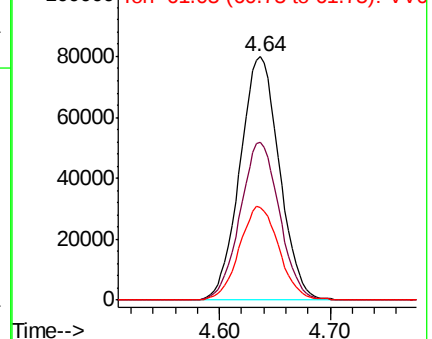
97 100

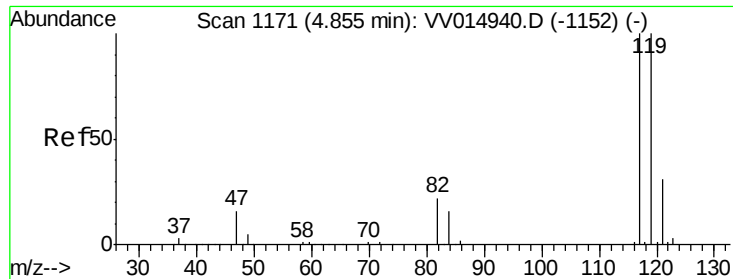
99 64.6 51.8 77.6

61 38.4 32.0 48.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

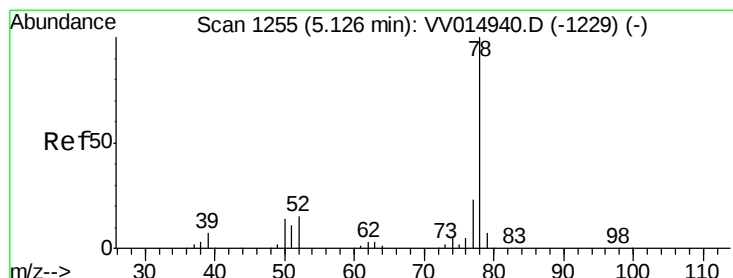
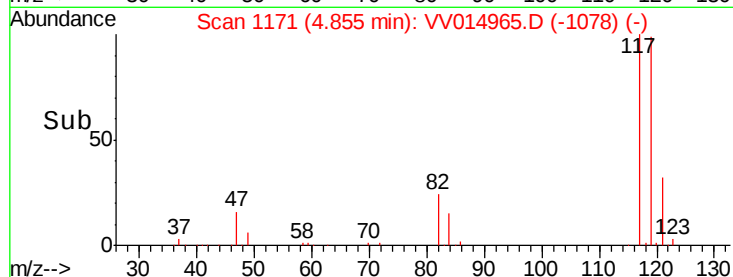
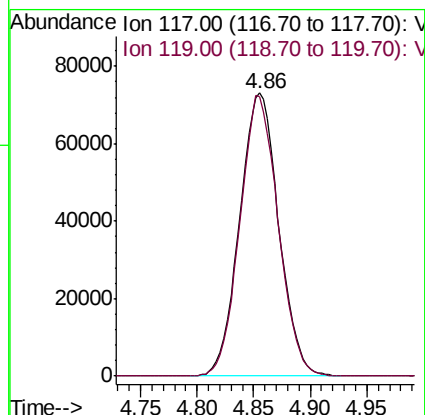
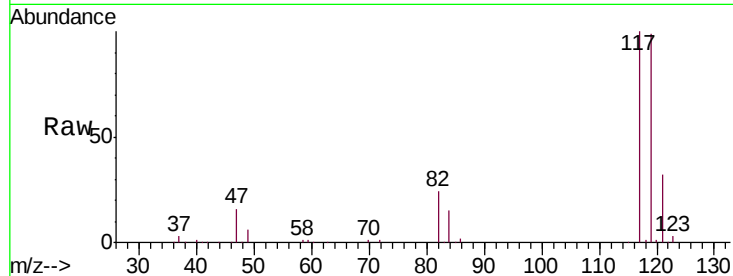




#31
Carbon tetrachloride
Concen: 48.912 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV014965.D
Acq: 17 Mar 2020 11:16

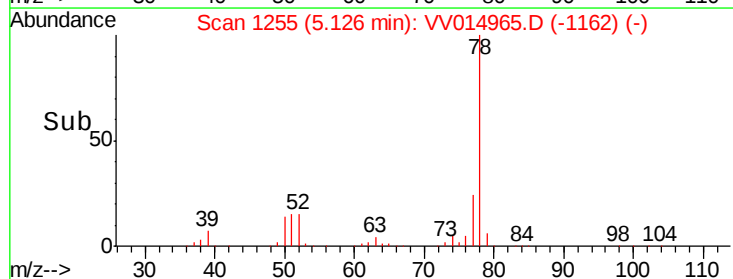
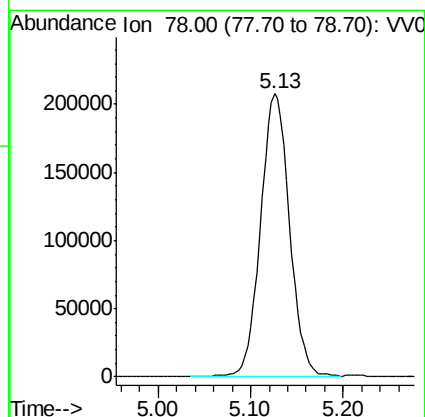
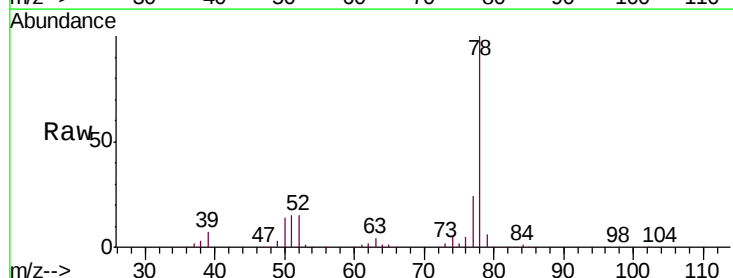
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

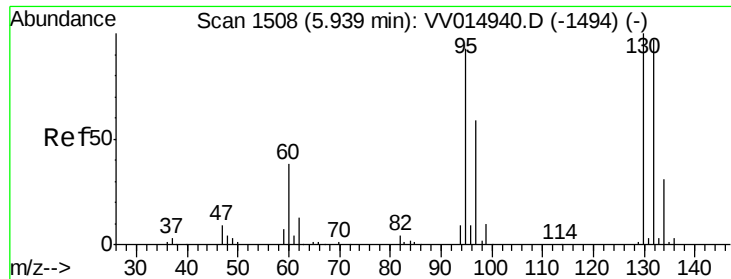
Tgt Ion:117 Resp: 175537
Ion Ratio Lower Upper
117 100
119 97.1 75.9 113.9



#33
Benzene
Concen: 49.326 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV014965.D
Acq: 17 Mar 2020 11:16

Tgt Ion: 78 Resp: 454283

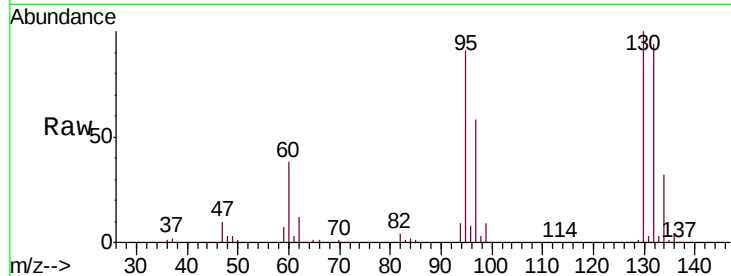




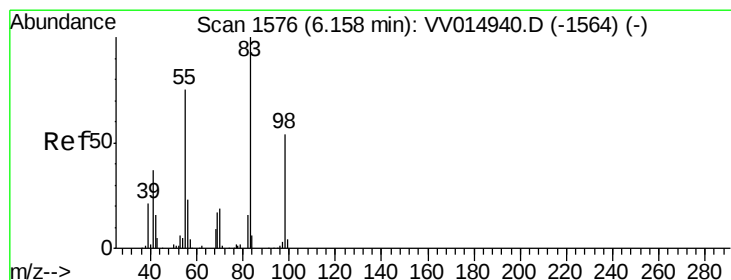
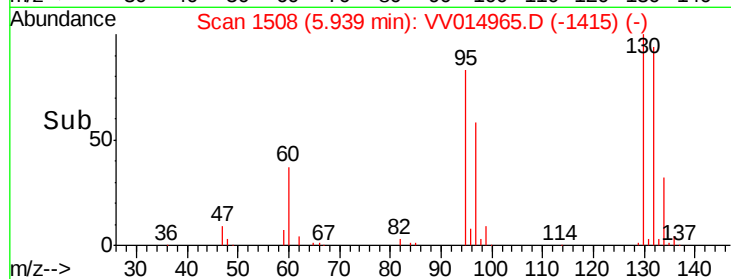
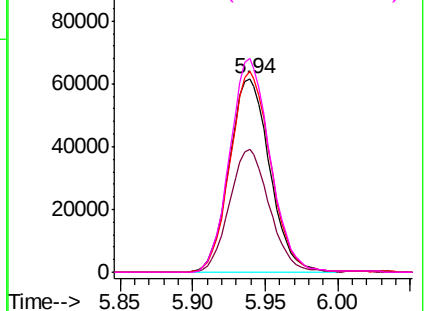
#34
 Trichloroethene
 Concen: 48.423 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Tgt Ion: 95 Resp: 119676
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.4 82.4
 132 103.7 72.4 134.4
 130 110.4 74.1 137.5

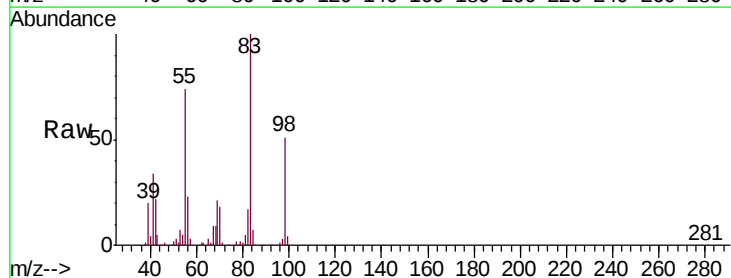


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

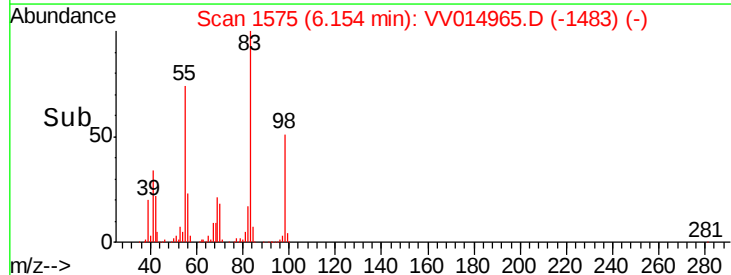
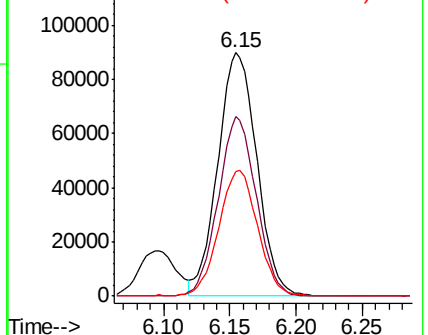


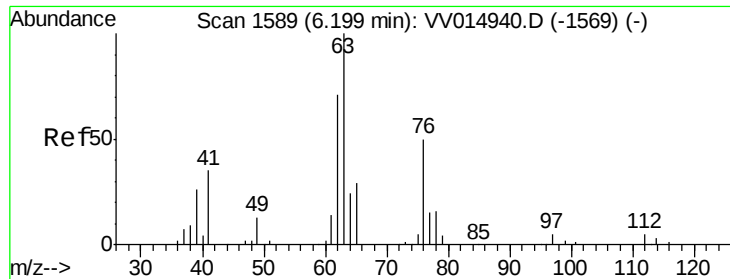
#35
 Methylcyclohexane
 Concen: 46.095 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

Tgt Ion: 83 Resp: 183780
 Ion Ratio Lower Upper
 83 100
 55 71.7 57.5 86.3
 98 51.5 39.5 59.3



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

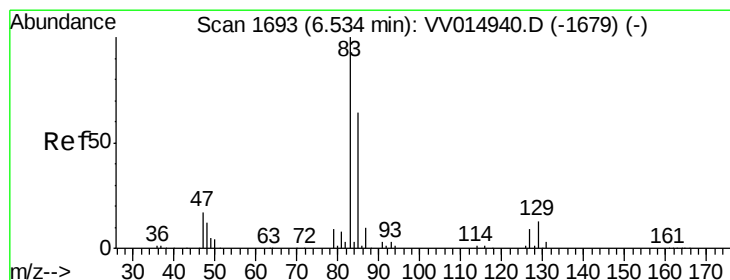
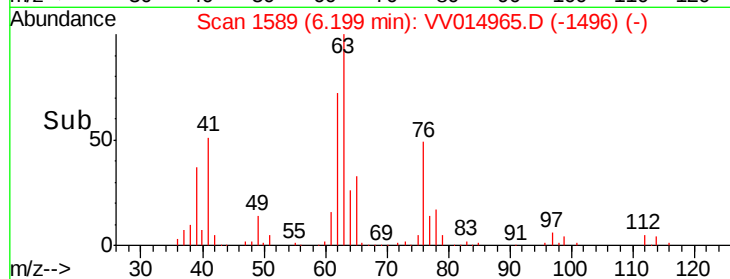
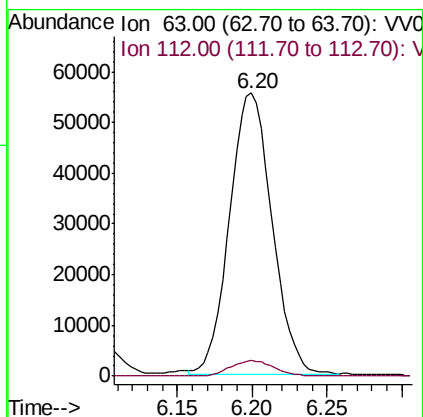
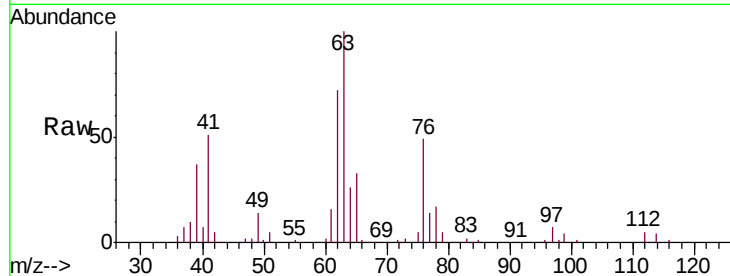




#37
 1,2-Dichloropropane
 Concen: 47.634 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

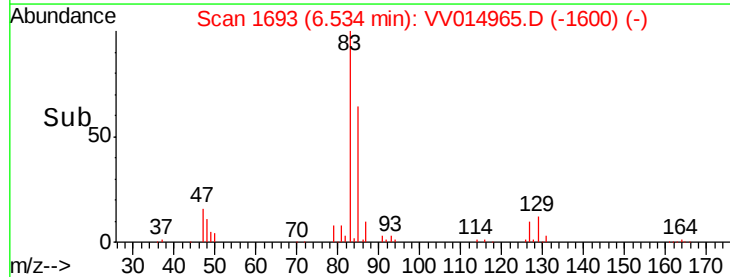
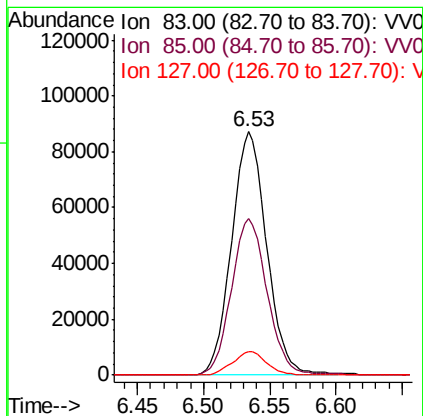
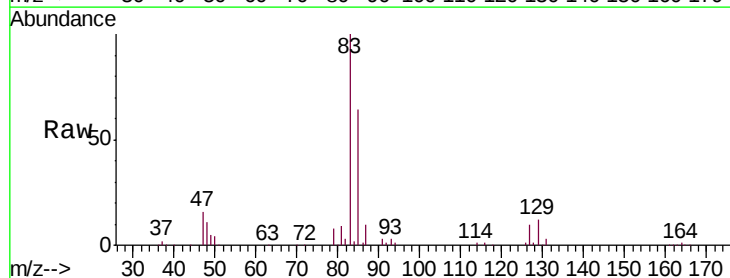
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

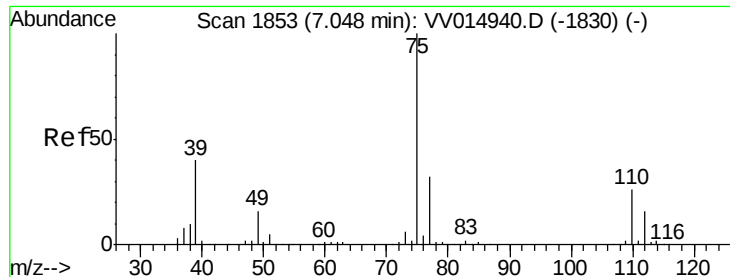
Tgt Ion: 63 Resp: 109927
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.4 6.6



#38
 Bromodichloromethane
 Concen: 49.084 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

Tgt Ion: 83 Resp: 160576
 Ion Ratio Lower Upper
 83 100
 85 64.3 46.0 85.4
 127 9.8 7.5 11.3

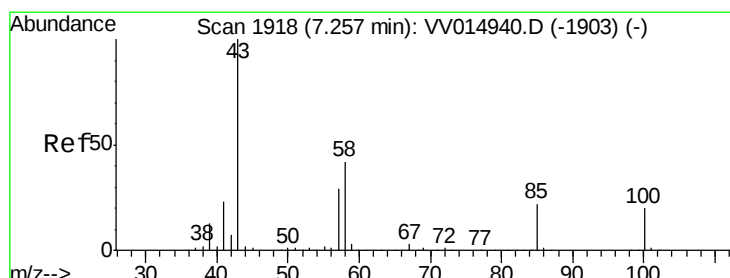
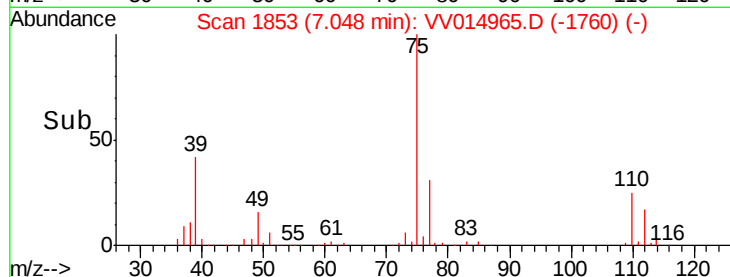
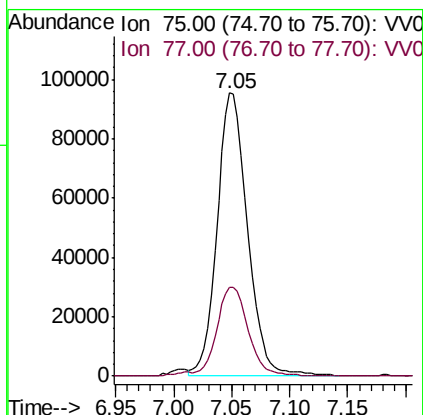
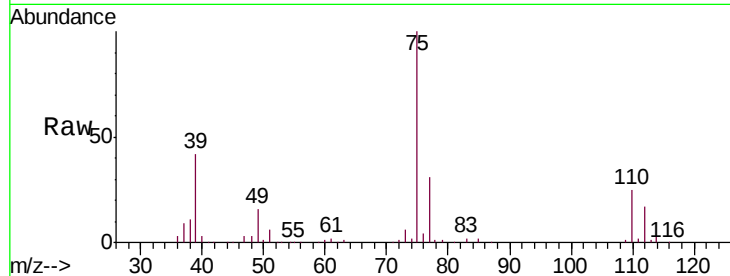




#39
 cis-1,3-Dichloropropene
 Concen: 45.425 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

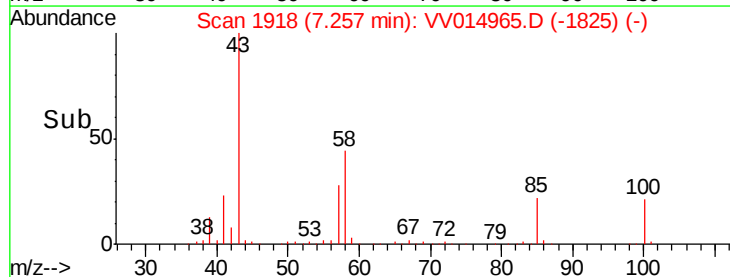
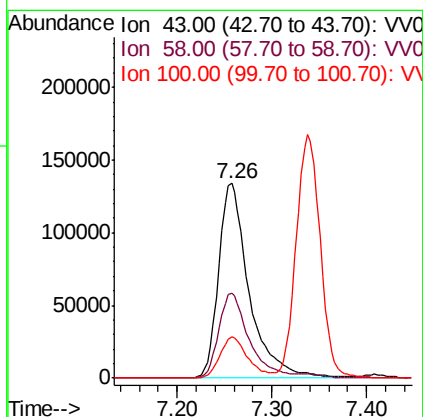
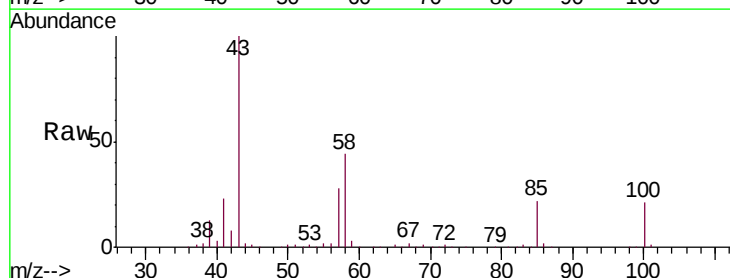
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

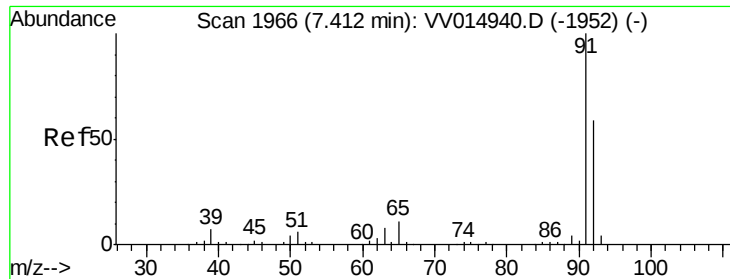
Tgt Ion: 75 Resp: 172334
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 96.722 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

Tgt Ion: 43 Resp: 300270
 Ion Ratio Lower Upper
 43 100
 58 43.3 33.9 50.9
 100 19.5 15.1 22.7





#42

Toluene

Concen: 49.761 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

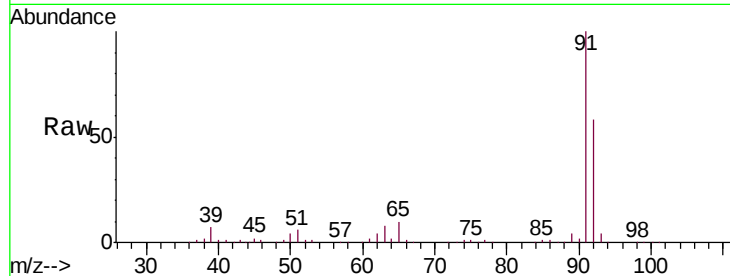
VSTD05094

Tgt Ion: 91 Resp: 515677

Ion Ratio Lower Upper

91 100

92 58.2 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV014940.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV014940.D (-1952) (-)

7.41

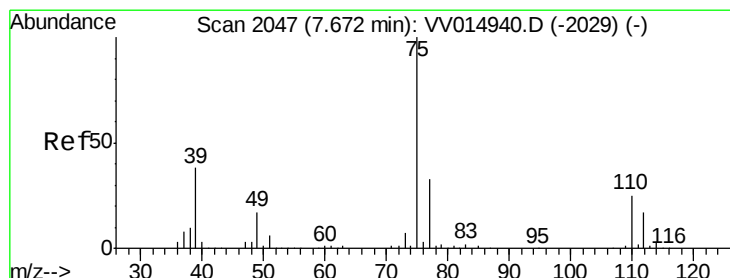
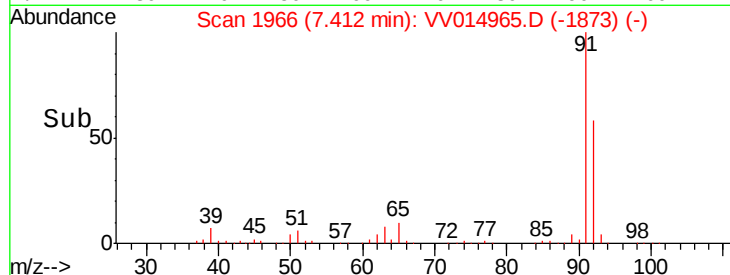
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.496 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014965.D

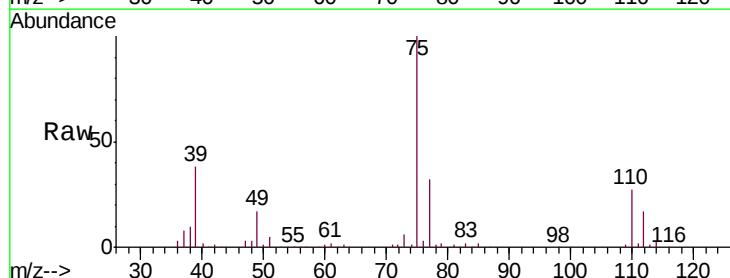
Acq: 17 Mar 2020 11:16

Tgt Ion: 75 Resp: 160329

Ion Ratio Lower Upper

75 100

77 31.8 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV014940.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV014940.D (-2029) (-)

7.67

100000

80000

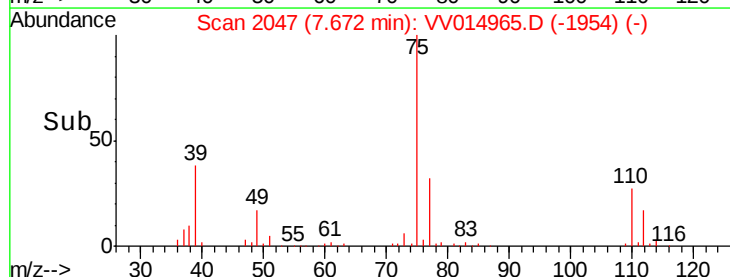
60000

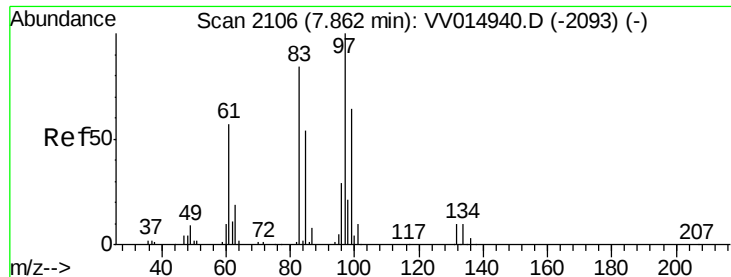
40000

20000

0

Time-->

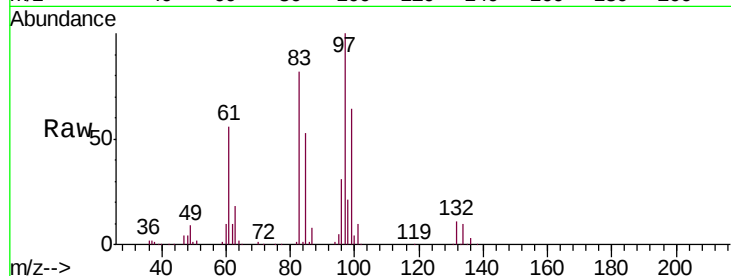




#45
 1,1,2-Trichloroethane
 Concen: 49.420 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Tgt Ion:	97	Resp:	118764
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.7	81.1
83	82.4	58.6	108.8
85	52.9	37.0	68.6



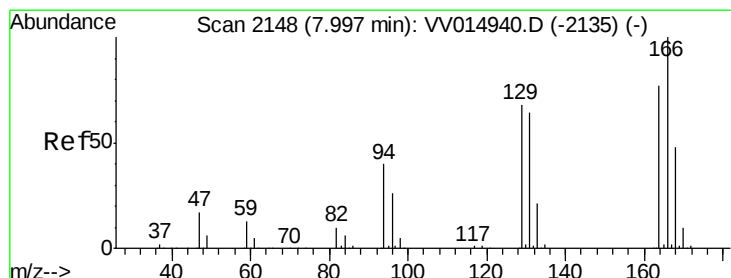
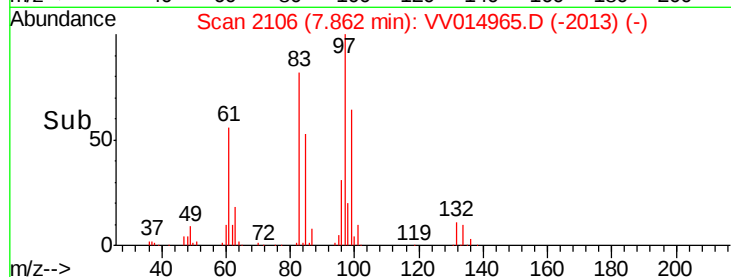
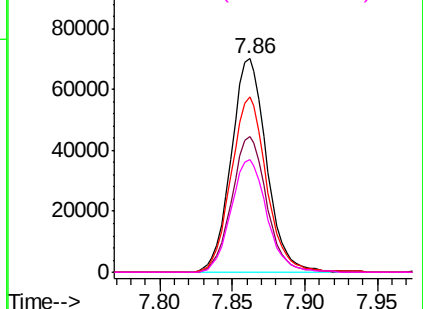
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

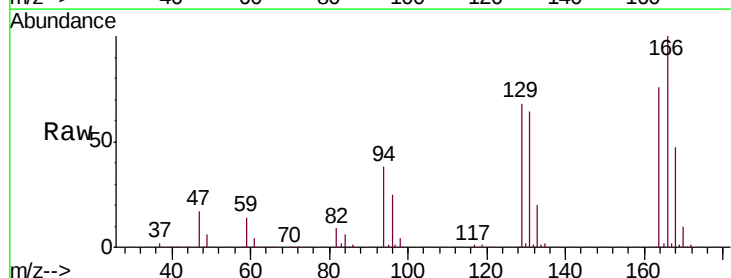
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 48.053 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

Tgt Ion:	164	Resp:	110952
Ion	Ratio	Lower	Upper
164	100		
129	88.7	62.0	115.2
131	84.0	59.5	110.5
166	131.1	88.5	164.4



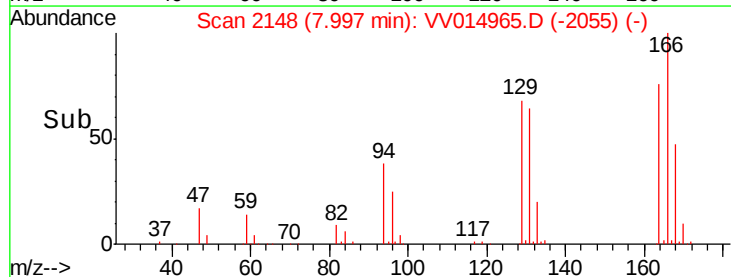
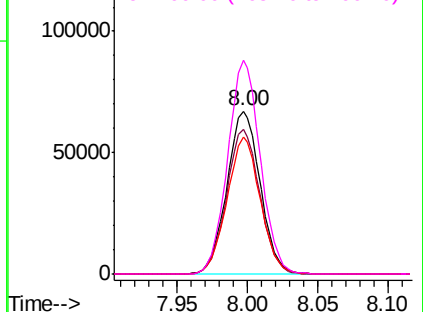
Abundance

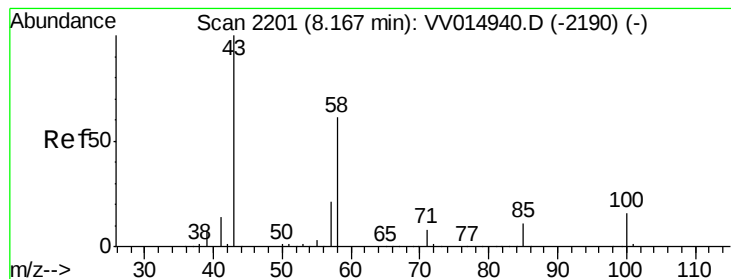
Ion 164.00 (163.70 to 164.70): V

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: 95.315 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

Tgt Ion: 43 Resp: 235019

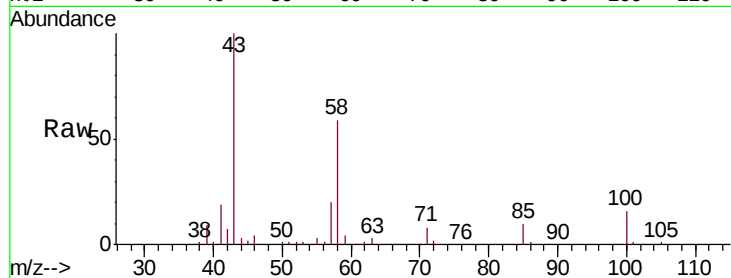
Ion Ratio Lower Upper

43 100

58 59.2 46.9 70.3

57 20.6 16.2 24.4

100 16.0 11.9 17.9

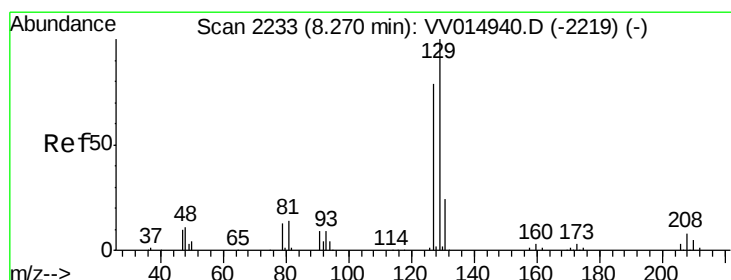
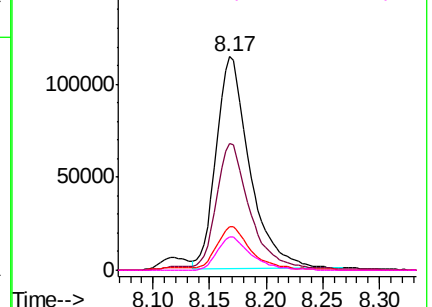
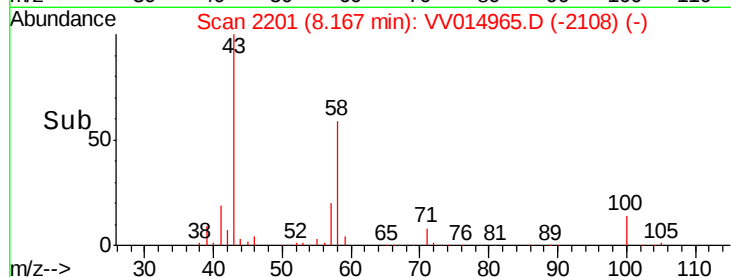


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 50.031 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV014965.D

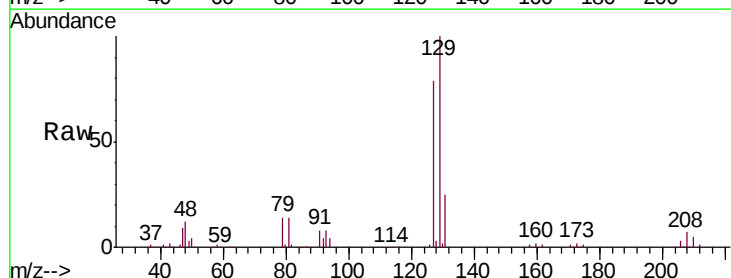
Acq: 17 Mar 2020 11:16

Tgt Ion: 129 Resp: 135247

Ion Ratio Lower Upper

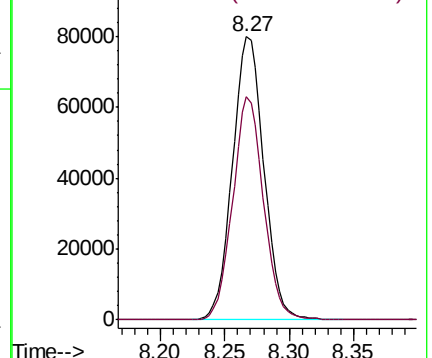
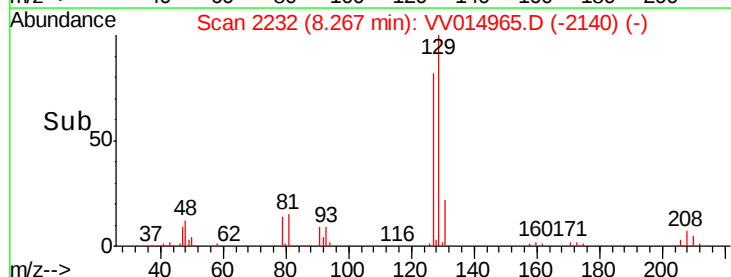
129 100

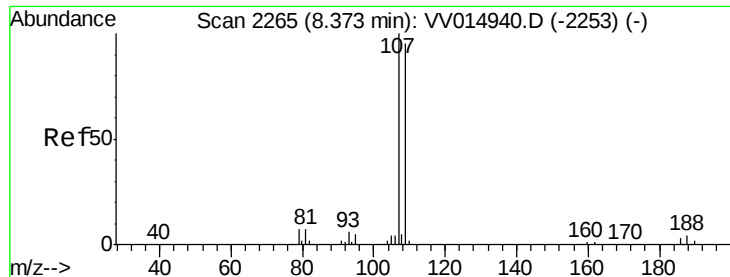
127 78.9 55.9 103.9



Abundance Ion 129.00 (128.70 to 129.70): VV0

Ion 127.00 (126.70 to 127.70): VV0

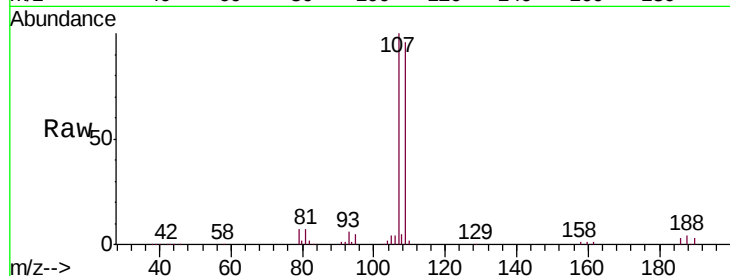




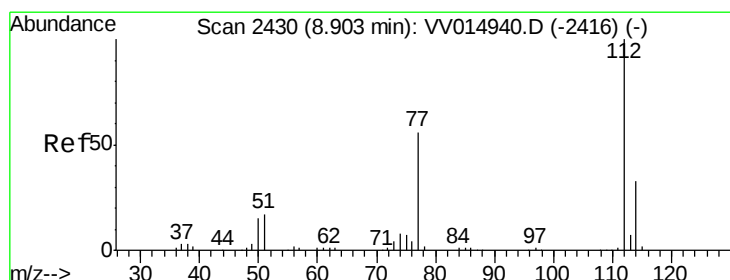
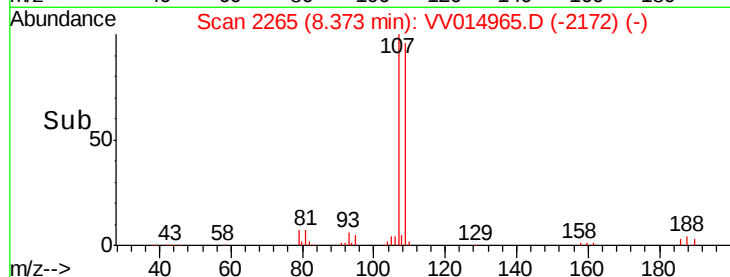
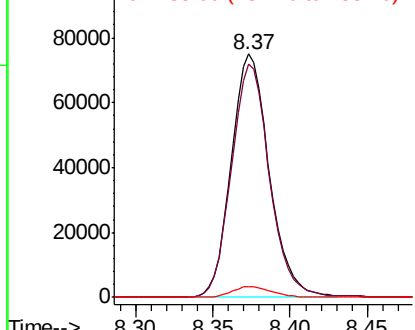
#50
1,2-Dibromoethane
Concen: 48.479 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV014965.D
Acq: 17 Mar 2020 11:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tgt Ion:107 Resp: 127802
Ion Ratio Lower Upper
107 100
109 95.6 66.1 122.7
188 4.4 4.0 6.0

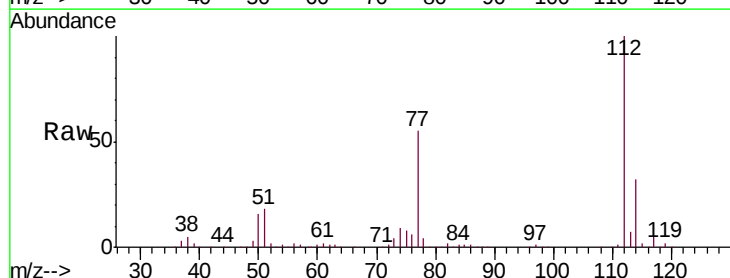


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

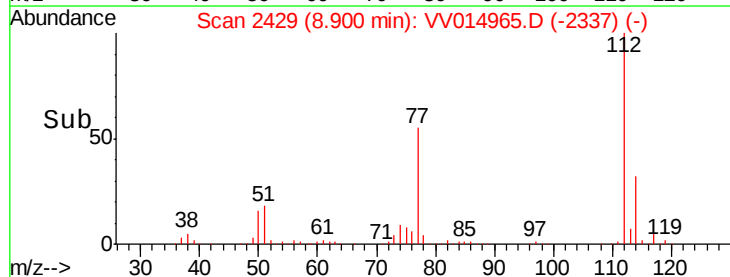
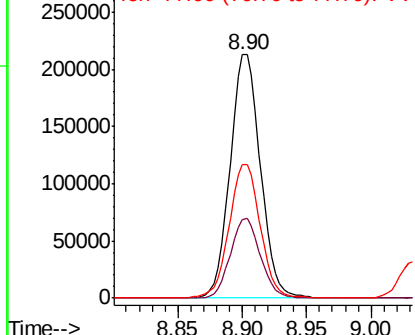


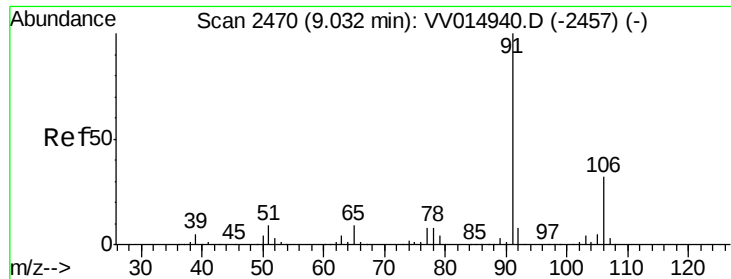
#51
Chlorobenzene
Concen: 48.786 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV014965.D
Acq: 17 Mar 2020 11:16

Tgt Ion:112 Resp: 348164
Ion Ratio Lower Upper
112 100
114 32.4 22.8 42.4
77 54.9 44.5 66.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 49.197 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

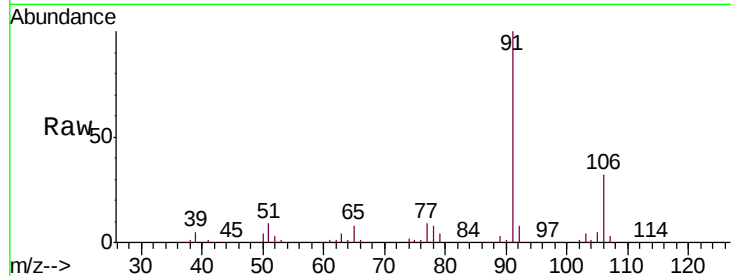
VSTD05094

Tgt Ion: 91 Resp: 581092

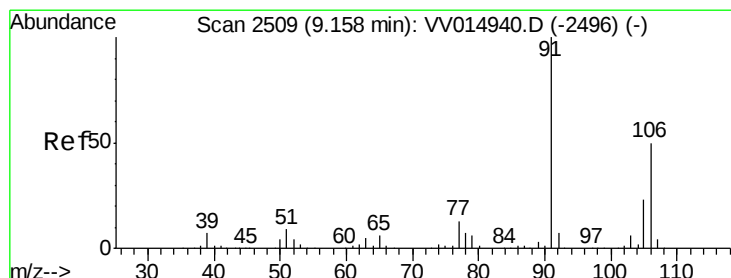
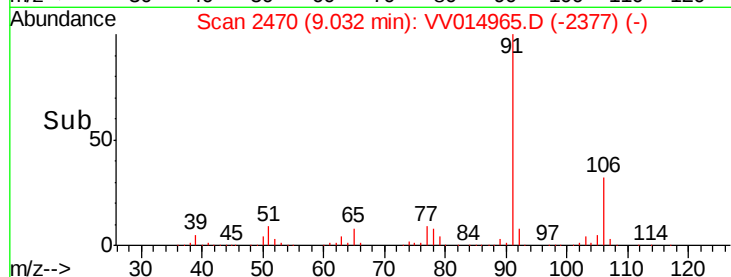
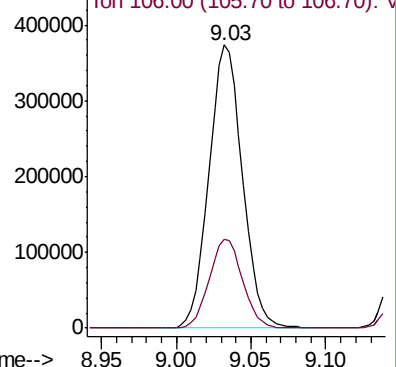
Ion Ratio Lower Upper

91 100

106 31.5 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV014940.D (-2457) (-)



#53

m,p-Xylene

Concen: 49.853 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV014965.D

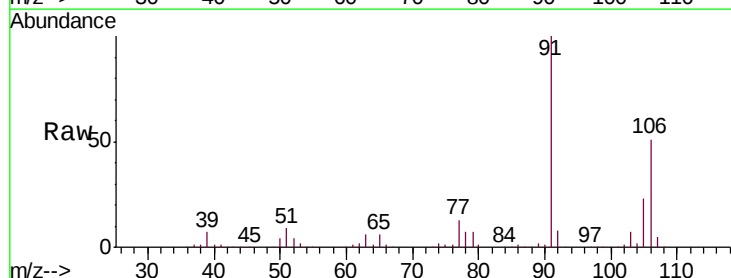
Acq: 17 Mar 2020 11:16

Tgt Ion: 106 Resp: 228515

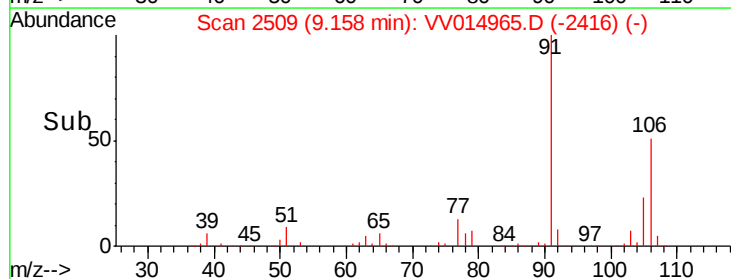
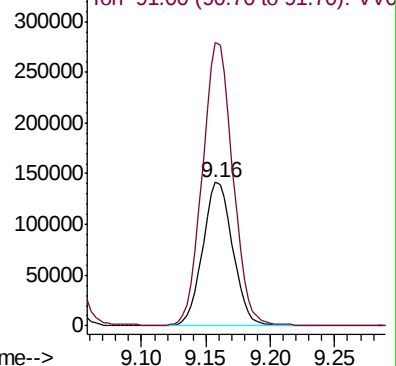
Ion Ratio Lower Upper

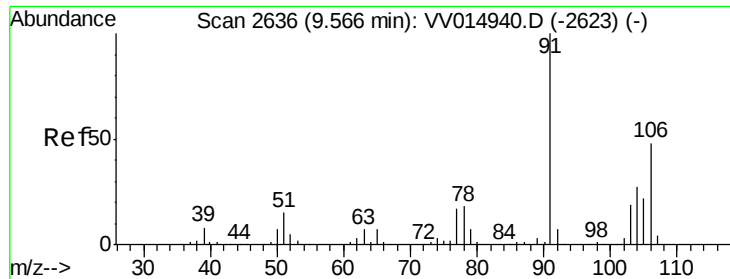
106 100

91 197.6 140.3 260.6



Abundance Ion 106.00 (105.70 to 106.70): VV014940.D (-2496) (-)

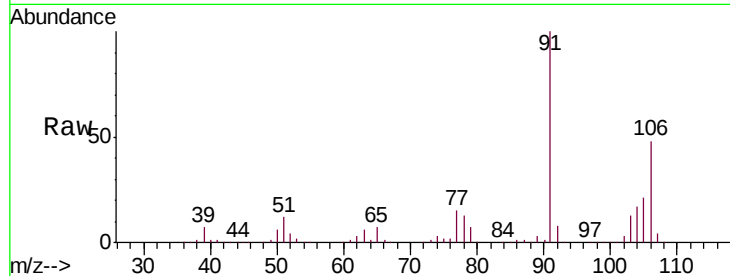




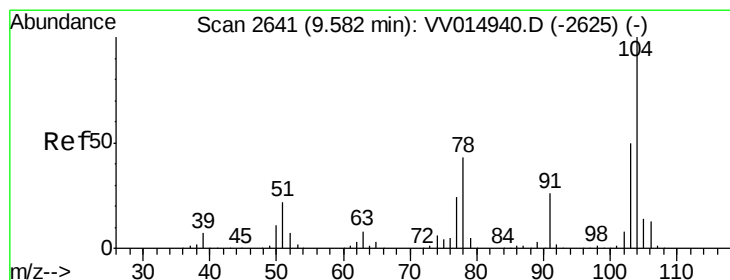
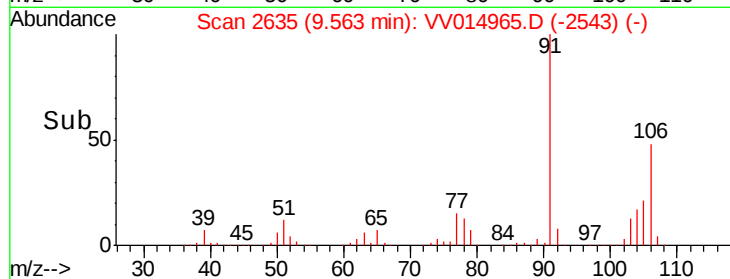
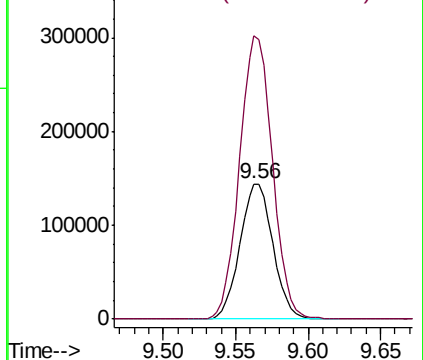
#54
o-xylene
Concen: 50.169 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV014965.D
Acq: 17 Mar 2020 11:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tgt Ion:106 Resp: 227984
Ion Ratio Lower Upper
106 100
91 209.1 147.9 274.7

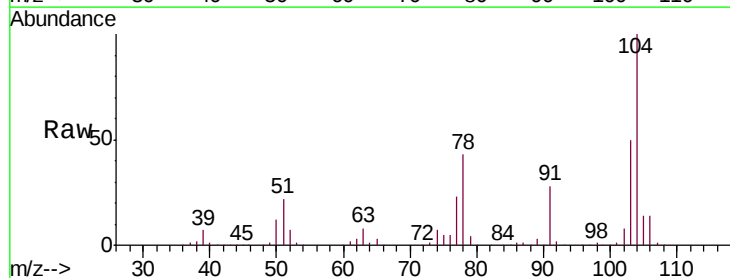


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

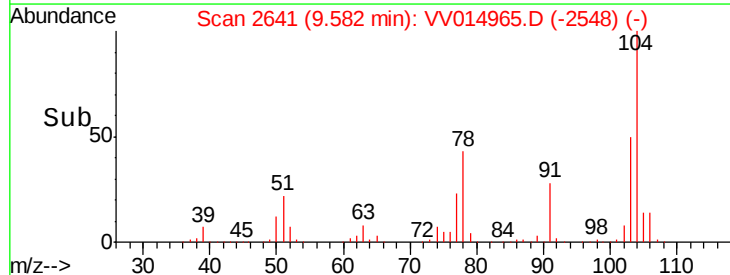
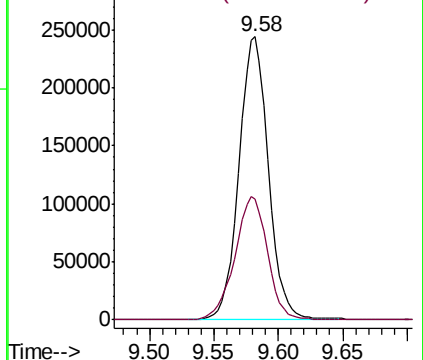


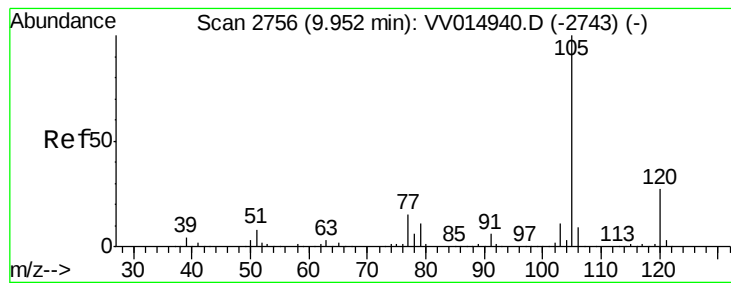
#55
Styrene
Concen: 51.016 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014965.D
Acq: 17 Mar 2020 11:16

Tgt Ion:104 Resp: 387030
Ion Ratio Lower Upper
104 100
78 42.9 30.1 55.9



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





#56

Isopropylbenzene

Concen: 50.120 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampled :

VSTD05094

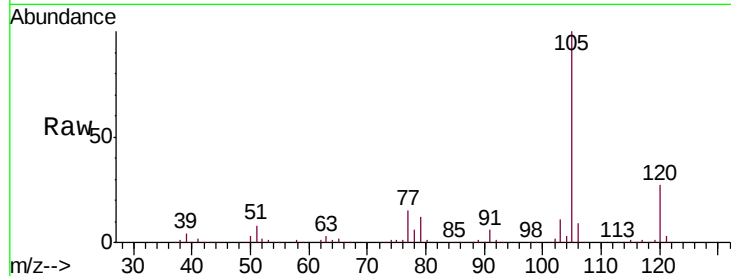
Tgt Ion: 105 Resp: 600579

Ion Ratio Lower Upper

105 100

120 27.2 21.6 32.4

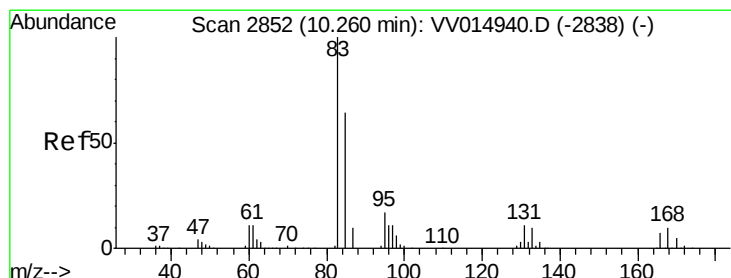
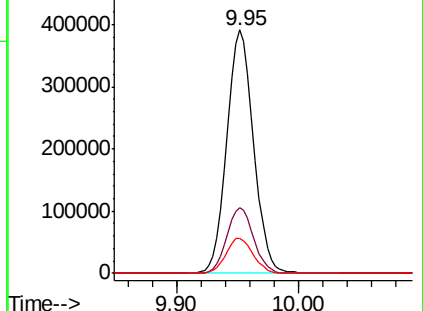
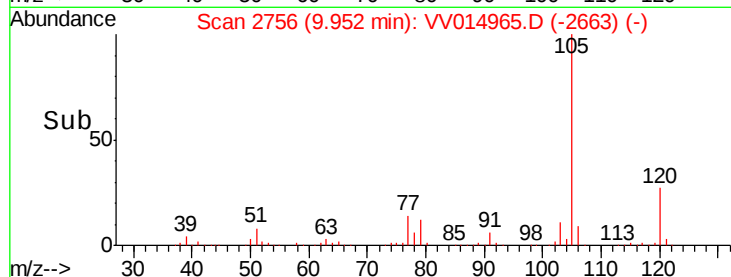
77 14.6 11.9 17.9



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



#58

1,1,2,2-Tetrachloroethane

Concen: 48.508 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

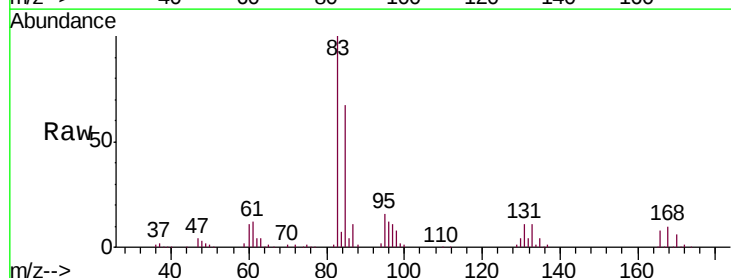
Tgt Ion: 83 Resp: 192854

Ion Ratio Lower Upper

83 100

85 66.5 44.0 81.6

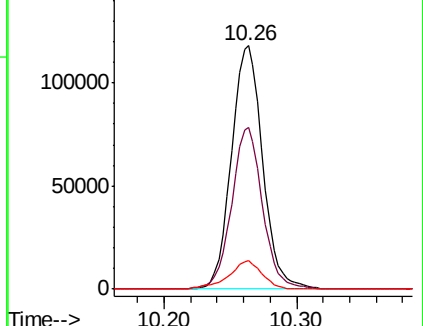
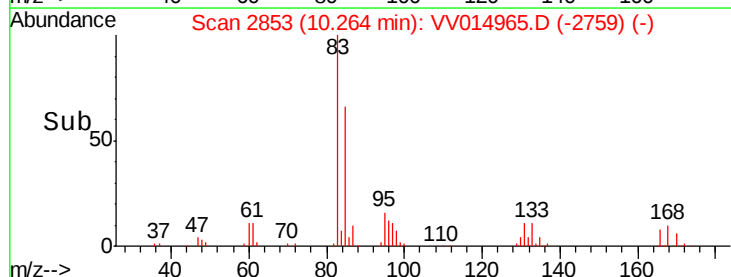
131 11.5 8.5 12.7

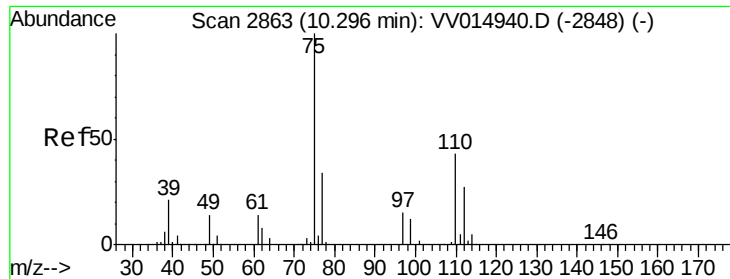


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.280 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

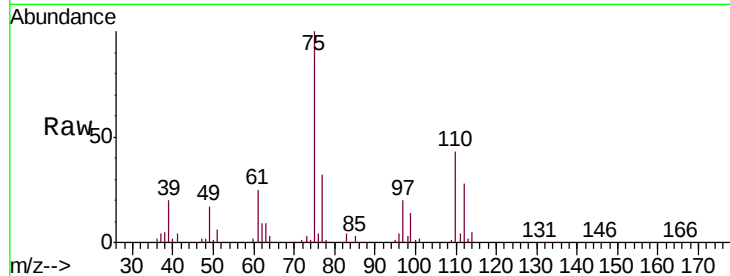
VSTD05094

Tgt Ion: 75 Resp: 152782

Ion Ratio Lower Upper

75 100

77 32.6 26.6 40.0

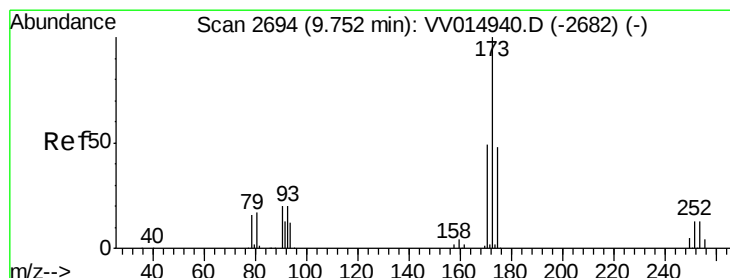
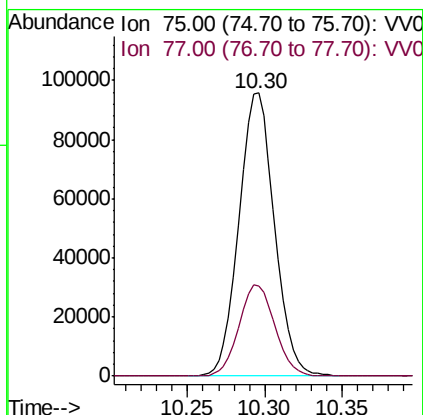
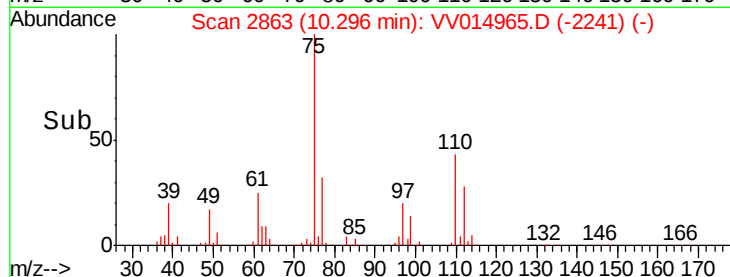


Abundance Ion 75.00 (74.70 to 75.70): VV014940.D (-2848) (-)

Ion 77.00 (76.70 to 77.70): VV014940.D (-2848) (-)

10.30

10.25 10.30 10.35



#61

Bromoform

Concen: 50.214 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

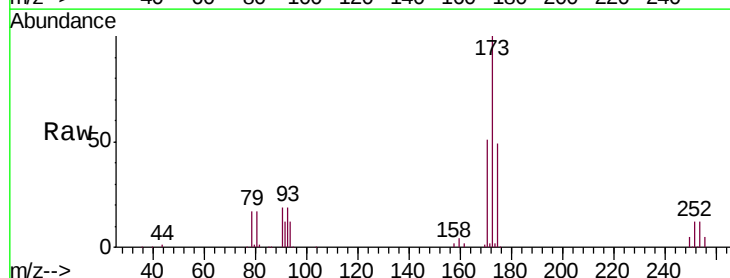
Tgt Ion: 173 Resp: 97847

Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.2

254 12.4 10.2 15.4



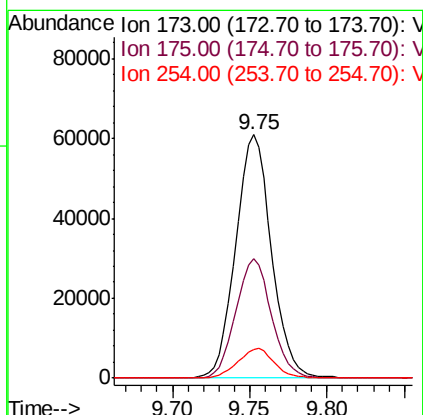
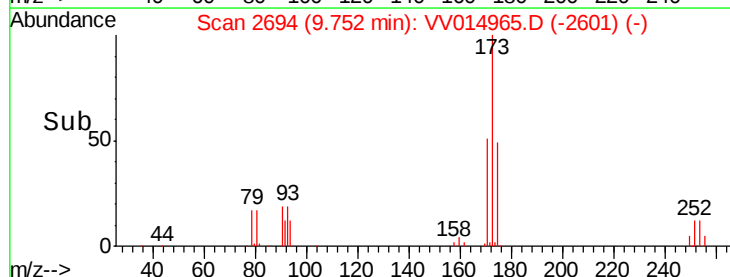
Abundance Ion 173.00 (172.70 to 173.70): VV014940.D (-2682) (-)

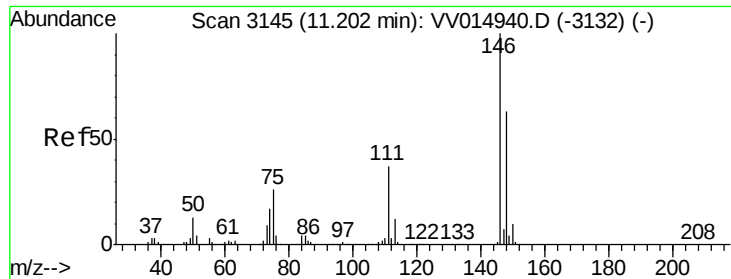
Ion 175.00 (174.70 to 175.70): VV014940.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV014940.D (-2682) (-)

9.75

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 49.106 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

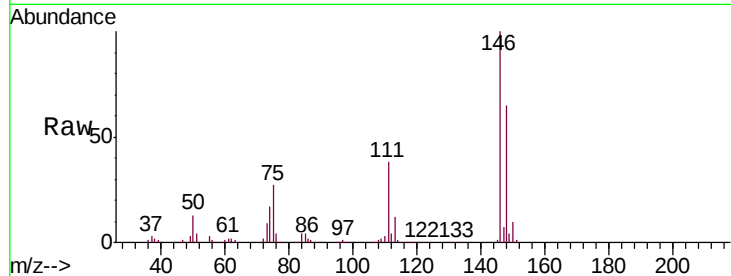
Tgt Ion:146 Resp: 293900

Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.3

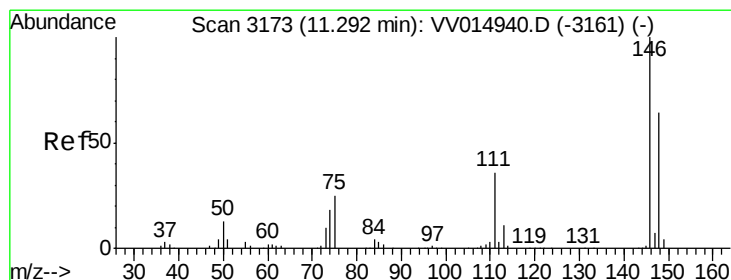
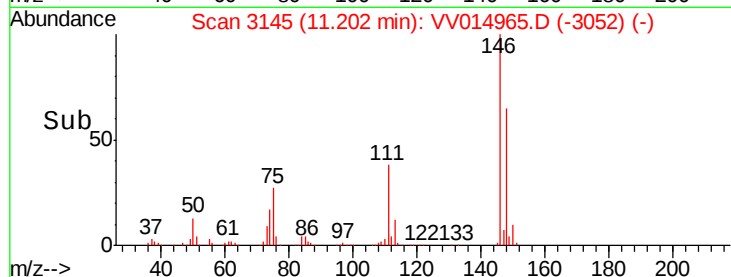
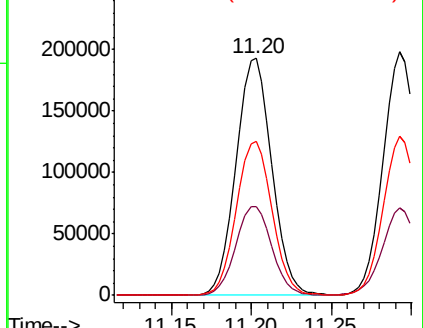
148 64.8 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.759 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

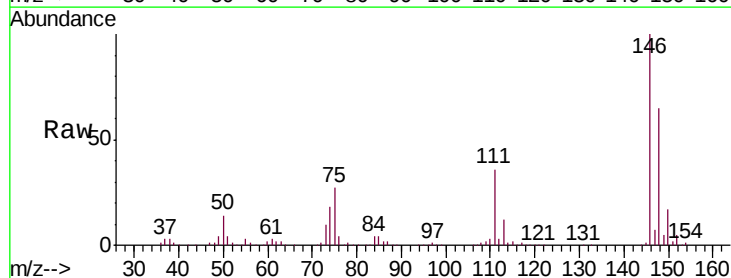
Tgt Ion:146 Resp: 299990

Ion Ratio Lower Upper

146 100

111 36.1 26.0 48.2

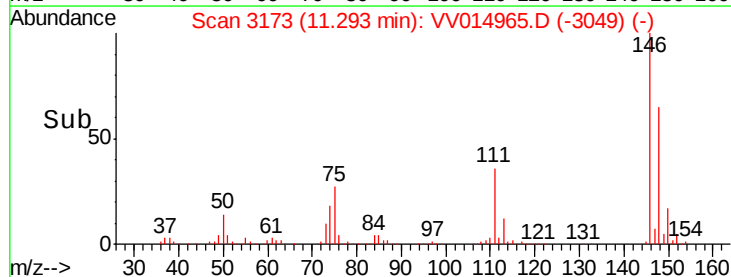
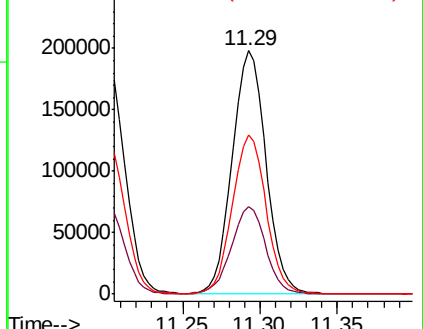
148 65.1 46.1 85.5

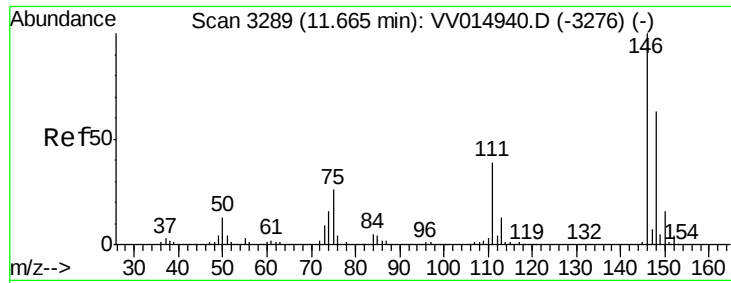


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

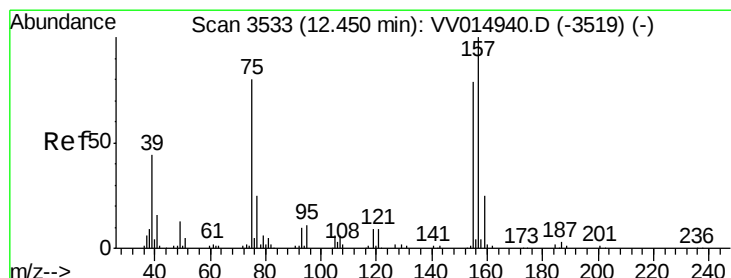
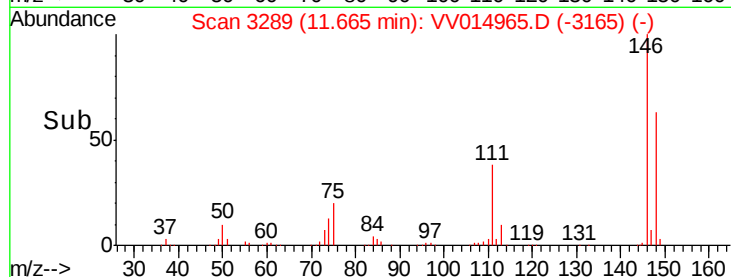
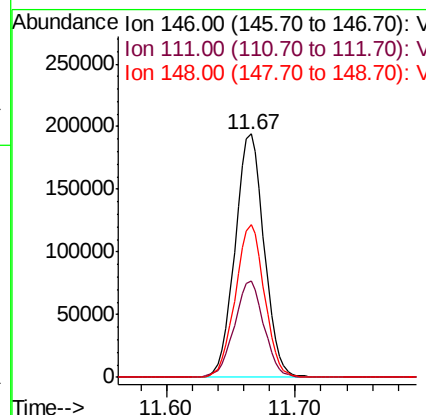
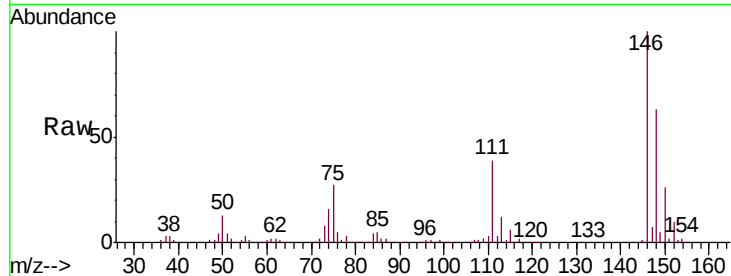




#65
 1,2-Dichlorobenzene
 Concen: 50.820 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

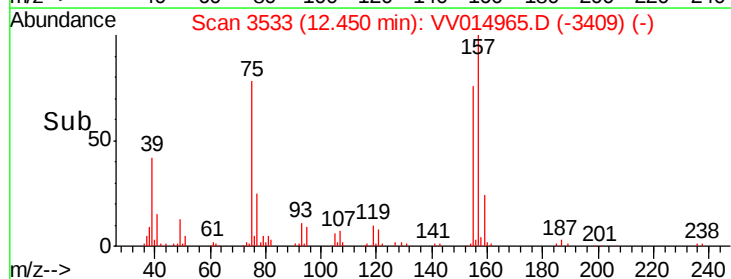
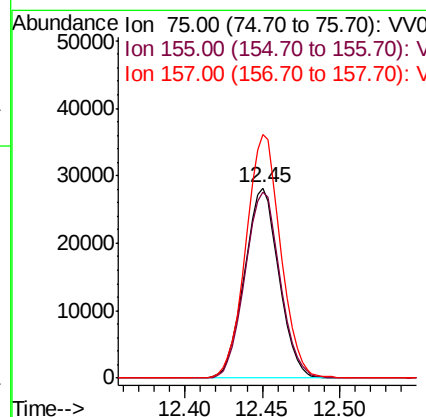
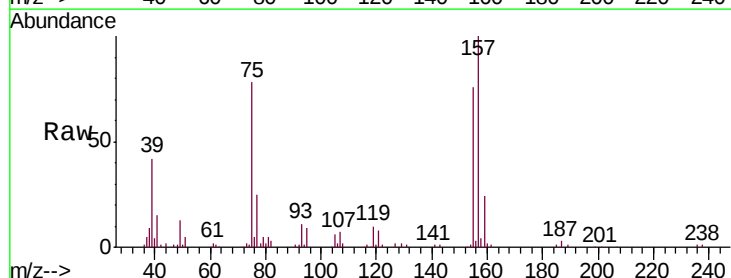
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

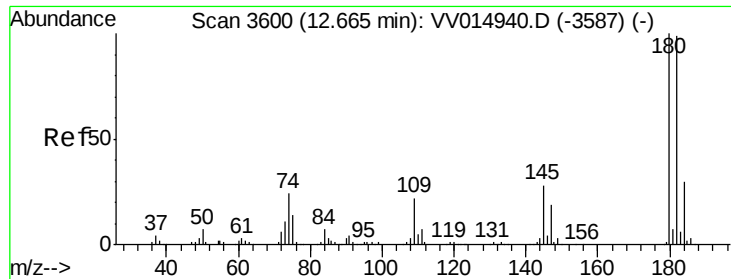
Tgt Ion: 146 Resp: 303829
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.6 47.4
 148 62.6 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.482 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

Tgt Ion: 75 Resp: 43573
 Ion Ratio Lower Upper
 75 100
 155 98.0 77.7 116.5
 157 128.3 97.2 145.8

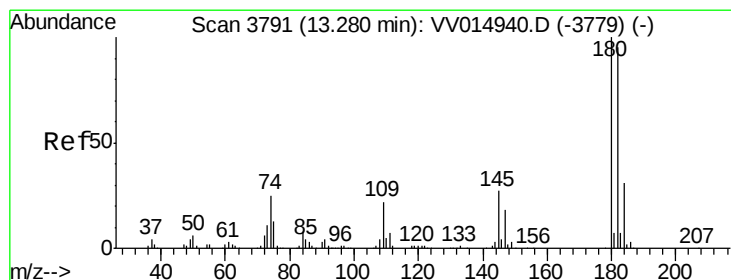
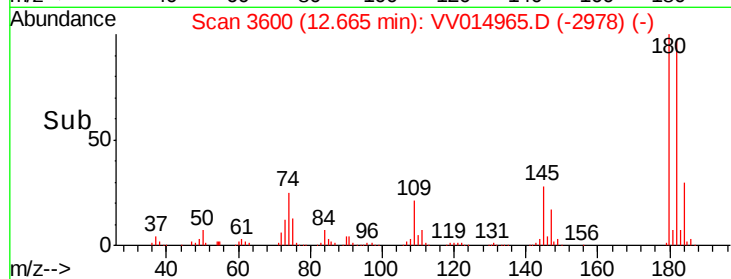
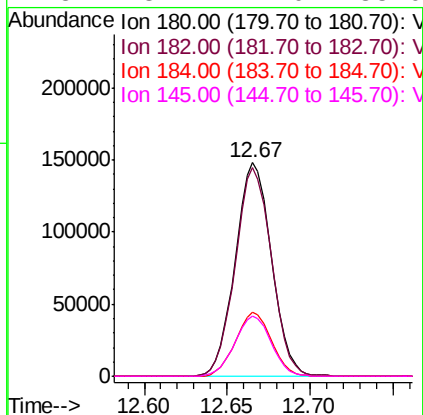
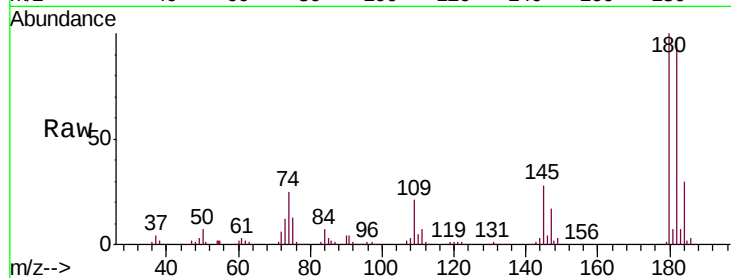




#67
 1,3,5-Trichlorobenzene
 Concen: 48.083 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

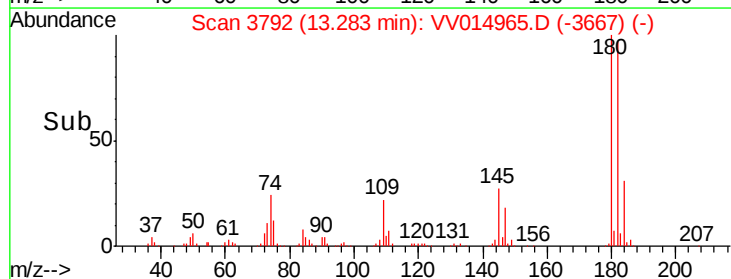
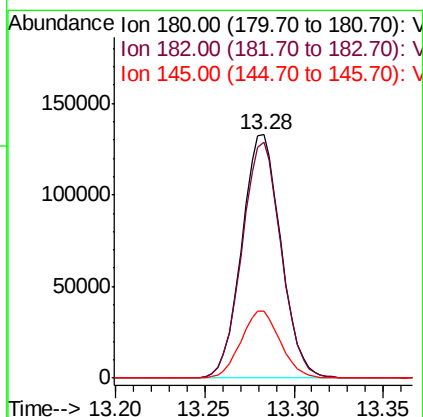
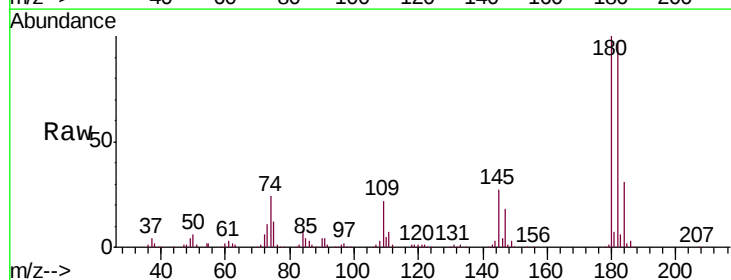
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

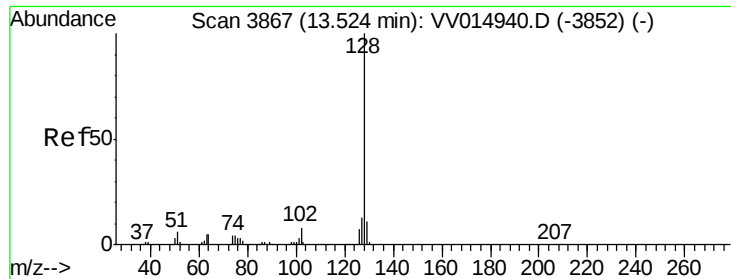
Tgt Ion:	180	Resp:	225629
Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.7	113.5
184	29.7	24.2	36.4
145	28.4	22.0	33.0



#68
 1,2,4-trichlorobenzene
 Concen: 48.923 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014965.D
 Acq: 17 Mar 2020 11:16

Tgt Ion:	180	Resp:	204619
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.3	114.5
145	27.5	23.1	34.7





#69

Naphthalene

Concen: 52.940 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

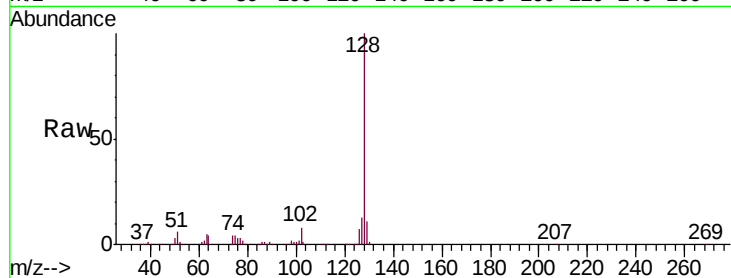
Tgt Ion:128 Resp: 284428

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

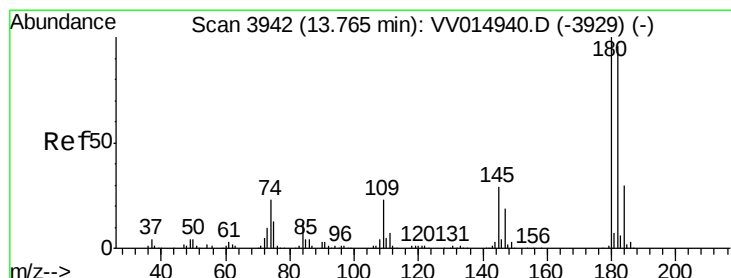
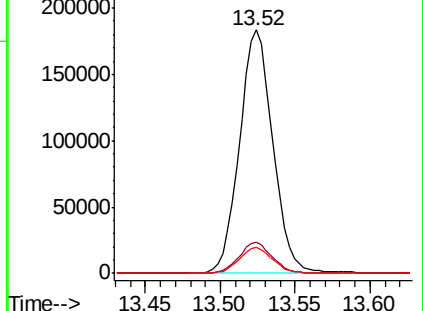
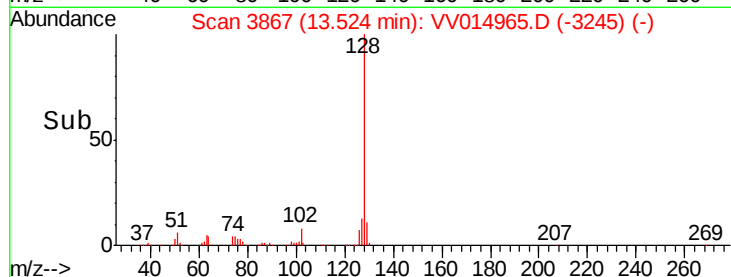
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.845 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV014965.D

Acq: 17 Mar 2020 11:16

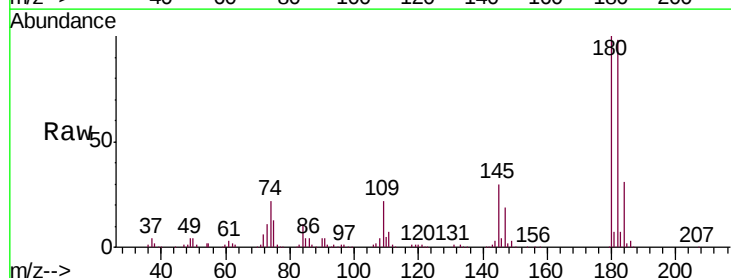
Tgt Ion:180 Resp: 214648

Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.4

145 30.0 24.1 36.1



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

