

Data File : VV009728.D
Acq On : 16 Mar 2019 14:24
Operator : SY/MD
Sample : VSTD00562
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Quant Time: Mar 18 07:23:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 07:20:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	155406	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	145355	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57029	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5283	5.68	ug/L	0.00
7) Chloroethane-d5	1.56	69	4243	4.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	11579	4.91	ug/L	0.00
21) 2-Butanone-d5	3.94	46	5245	7.90	ug/L	0.00
24) Chloroform-d	4.40	84	9627	4.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	5866	4.60	ug/L	0.00
32) Benzene-d6	5.10	84	19166	5.12	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	5946	5.34	ug/L	0.00
41) Toluene-d8	7.36	98	18206	4.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	2526	4.44	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	4299	8.87	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	8528	4.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	6346	5.39	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	6394	6.227	ug/L	97
3) Chloromethane	1.25	50	5891	6.068	ug/L	98
5) Vinyl chloride	1.32	62	5860	5.651	ug/L	95
6) Bromomethane	1.51	94	3459	4.298	ug/L	95
8) Chloroethane	1.58	64	4068	5.338	ug/L #	82
9) Trichlorofluoromethane	1.76	101	10197	4.903	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5981	5.178	ug/L	96
12) 1,1-Dichloroethene	2.13	96	5030	5.085	ug/L	88
13) Acetone	2.19	43	5820	8.137	ug/L	96
14) Carbon disulfide	2.31	76	13568	5.300	ug/L	98
15) Methyl Acetate	2.46	43	5386	5.723	ug/L	93
16) Methylene chloride	2.53	84	5598	5.564	ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	5057	5.367	ug/L	93
18) Methyl tert-butyl Ether	2.80	73	15687	5.231	ug/L #	91
19) 1,1-Dichloroethane	3.23	63	9026	5.267	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	5451	4.989	ug/L	70
22) 2-Butanone	4.03	43	7238	9.298	ug/L	88
23) Bromochloromethane	4.30	128	3006	5.475	ug/L #	94
25) Chloroform	4.43	83	9885	5.145	ug/L	97
27) 1,2-Dichloroethane	5.18	62	7097	4.788	ug/L	95
29) Cyclohexane	4.72	56	8411	5.815	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	8177	5.303	ug/L	95
31) Carbon tetrachloride	4.87	117	6299	4.858	ug/L	98
33) Benzene	5.15	78	21505	5.779	ug/L	100
34) Trichloroethene	5.96	95	3180	3.196	ug/L	96
35) Methylcyclohexane	6.17	83	8939	5.506	ug/L	92
37) 1,2-Dichloropropane	6.22	63	5390	5.662	ug/L #	93
38) Bromodichloromethane	6.55	83	6386	4.819	ug/L	90
39) cis-1,3-Dichloropropene	7.07	75	7601	5.050	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	12986	10.223	ug/L #	91

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Quant Title : VOC Analysis
QLast Update : Mon Mar 18 07:20:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	23147	5.466	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	6990	4.998	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	5574	5.648	ug/L	96
46) Tetrachloroethene	8.02	164	5141	6.518	ug/L	96
48) 2-Hexanone	8.19	43	8213	8.206	ug/L	92
49) Dibromochloromethane	8.29	129	5333	4.918	ug/L	96
50) 1,2-Dibromoethane	8.40	107	5636	5.431	ug/L #	98
51) Chlorobenzene	8.92	112	15959	5.640	ug/L	99
52) Ethylbenzene	9.06	91	25642	5.348	ug/L	99
53) m,p-Xylene	9.18	106	9807	5.335	ug/L	99
54) o-Xylene	9.59	106	9825	5.303	ug/L	92
55) Styrene	9.61	104	14429	4.829	ug/L	100
56) Isopropylbenzene	9.98	105	24726	5.135	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	9552	5.564	ug/L	89
59) 1,2,3-Trichloropropane	10.32	75	6842	5.378	ug/L	96
61) Bromoform	9.78	173	3561	5.480	ug/L #	95
62) 1,3-Dichlorobenzene	11.23	146	10534	5.951	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	10551	6.043	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	10798	5.967	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1315	4.870	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	5928	5.158	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	3059	3.798	ug/L	94
69) Naphthalene	13.55	128	8365	3.732	ug/L #	89
70) 1,2,3-Trichlorobenzene	13.80	180	2872	3.436	ug/L	99

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

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```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

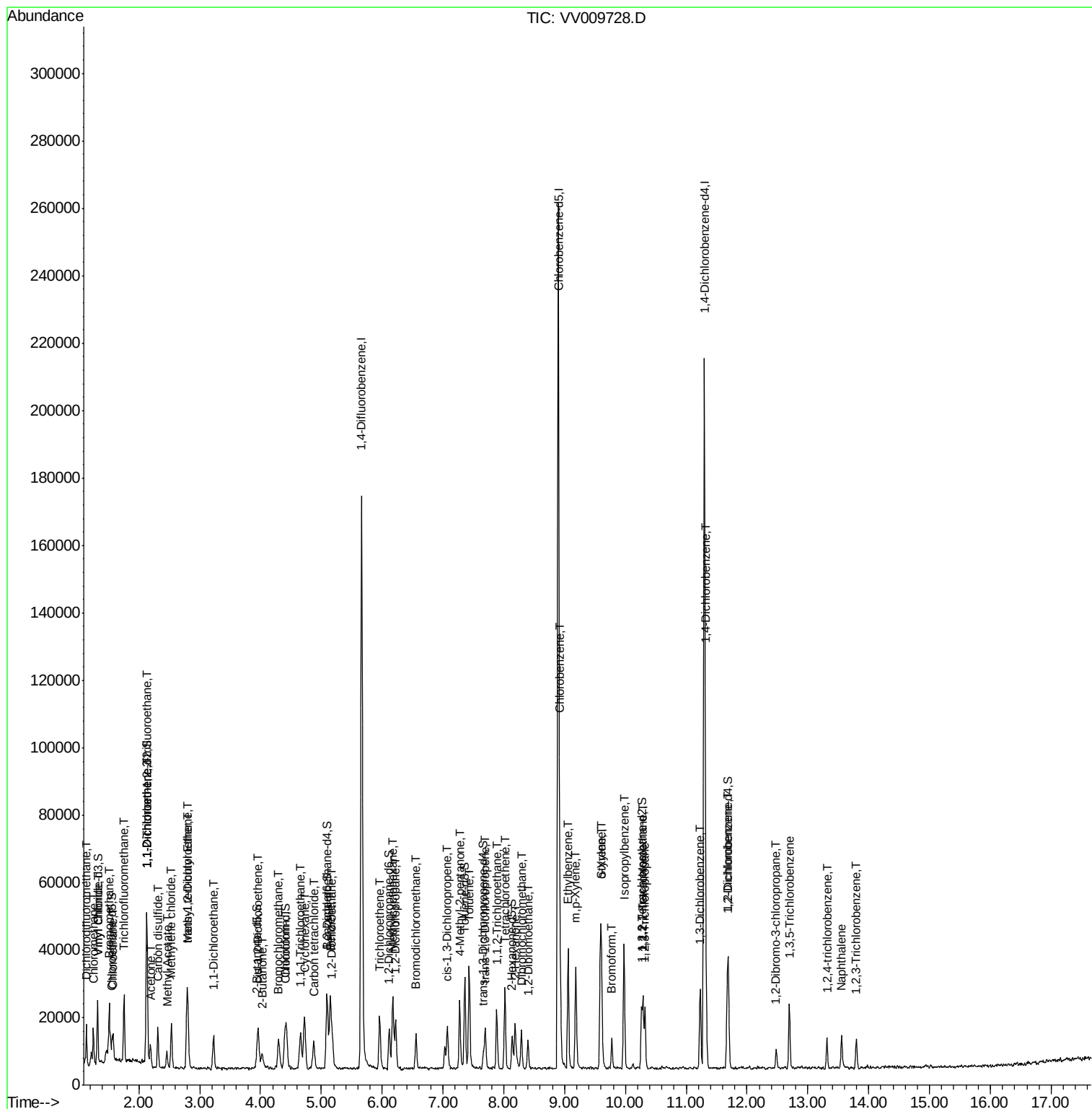
Quant Time: Mar 18 07:23:04 2019

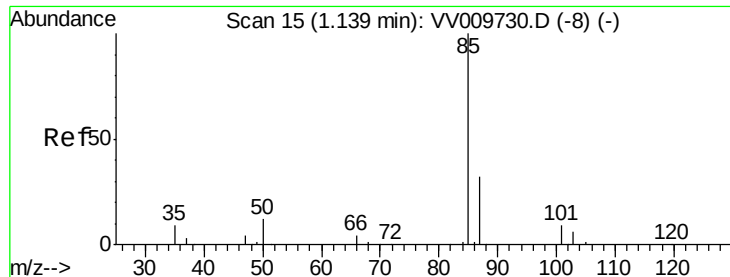
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM031719WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Mar 18 07:20:32 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 6.227 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

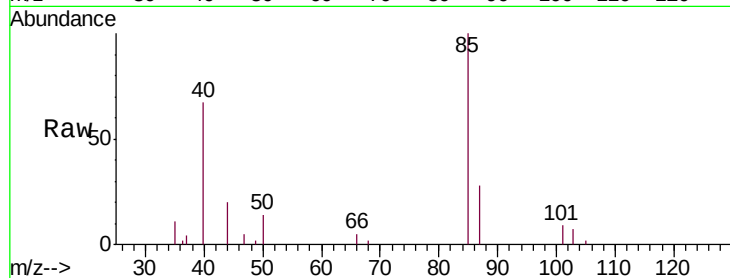
VSTD00562

Tgt Ion: 85 Resp: 6394

Ion Ratio Lower Upper

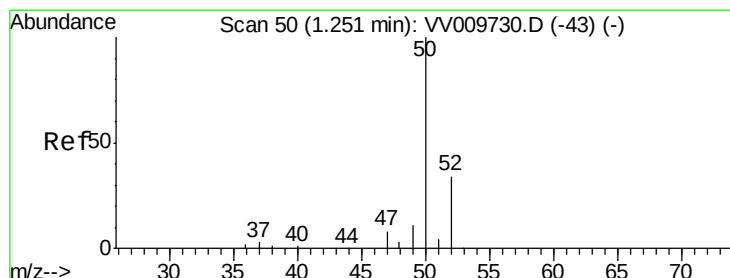
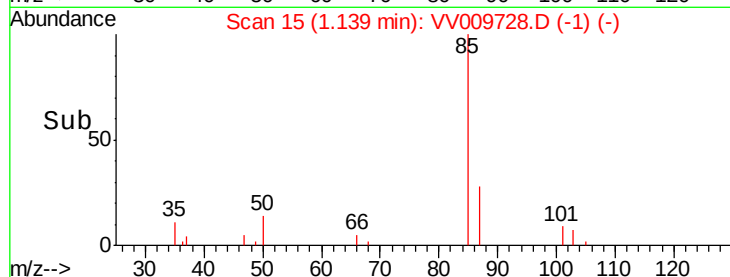
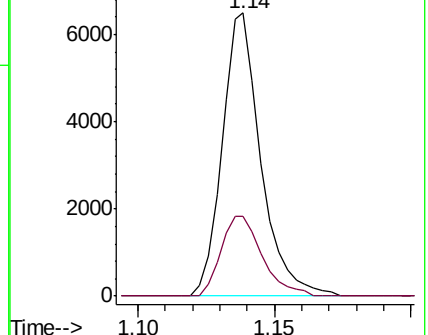
85 100

87 30.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV009728.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009728.D (-8) (-)



#3

Chloromethane

Concen: 6.068 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009728.D

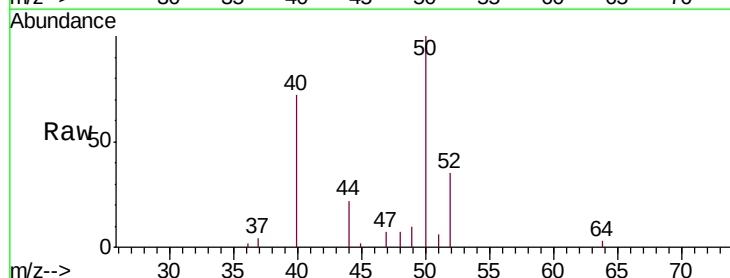
Acq: 16 Mar 2019 14:24

Tgt Ion: 50 Resp: 5891

Ion Ratio Lower Upper

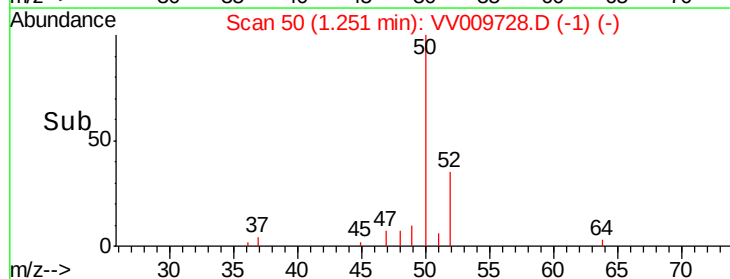
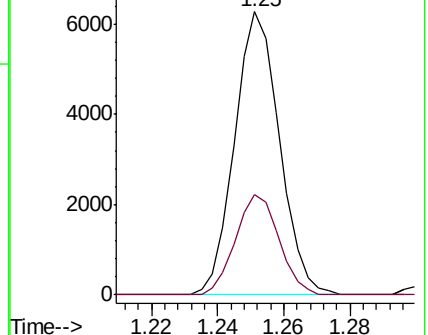
50 100

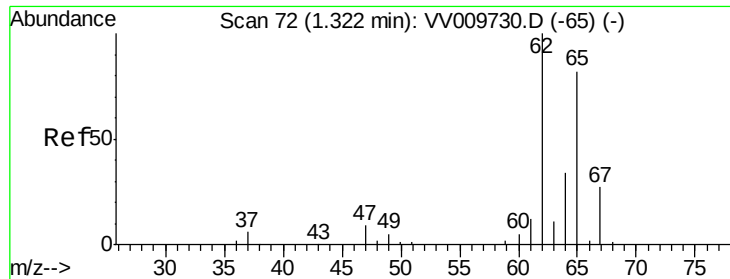
52 35.3 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VV009728.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009728.D (-43) (-)





#5

Vinyl chloride

Concen: 5.651 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

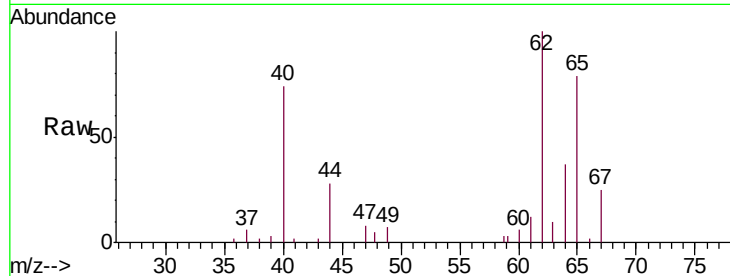
VSTD00562

Tgt Ion: 62 Resp: 5860

Ion Ratio Lower Upper

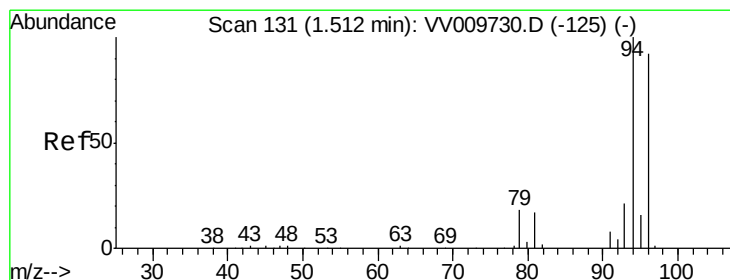
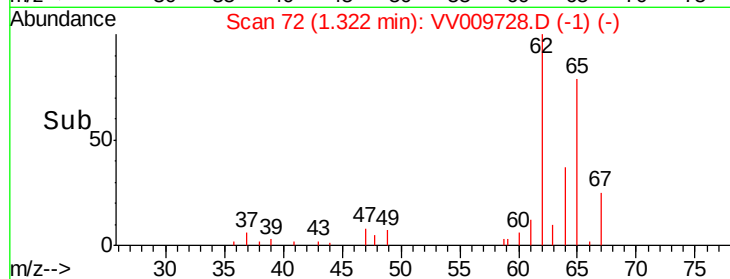
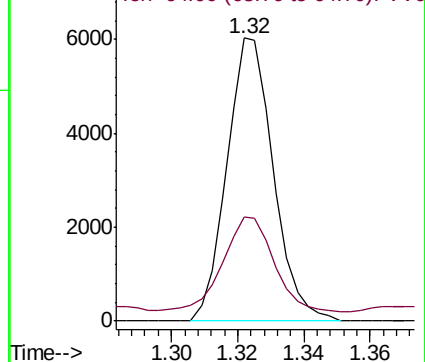
62 100

64 36.9 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 4.298 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009728.D

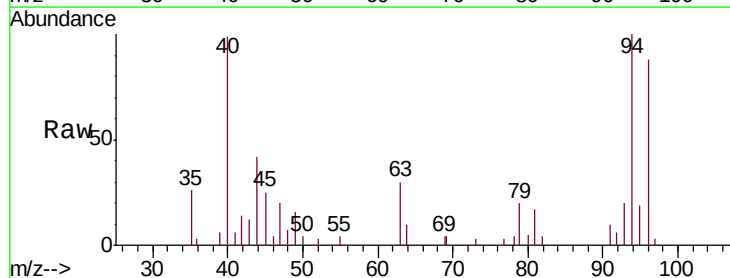
Acq: 16 Mar 2019 14:24

Tgt Ion: 94 Resp: 3459

Ion Ratio Lower Upper

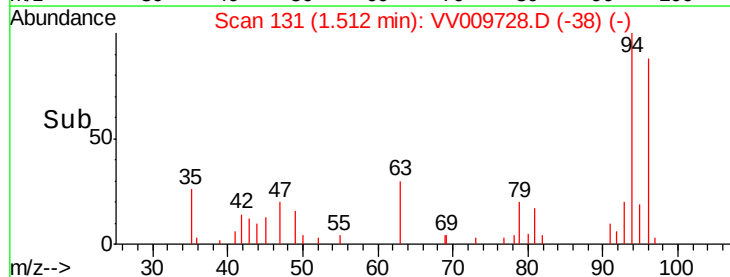
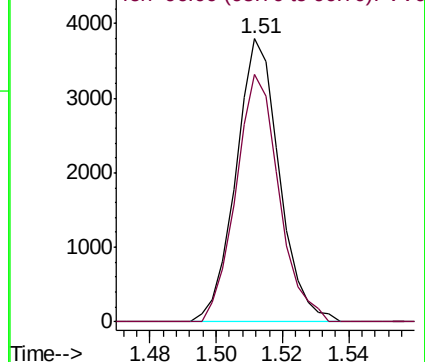
94 100

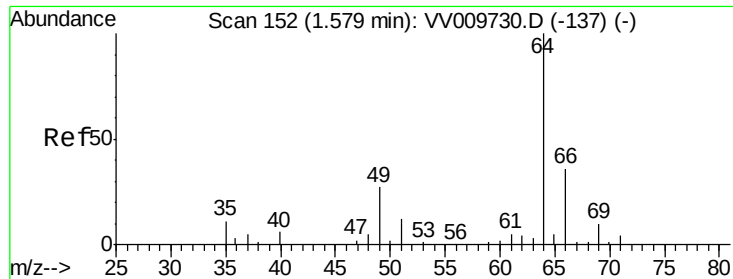
96 87.5 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.338 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

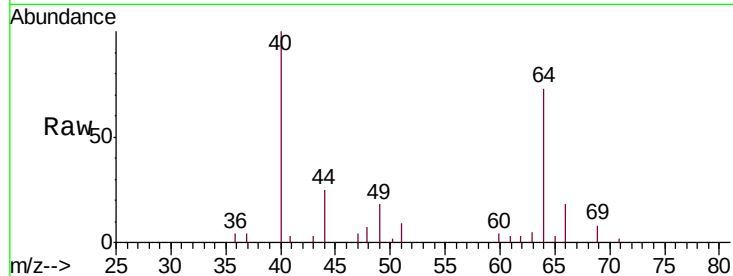
VSTD00562

Tgt Ion: 64 Resp: 4068

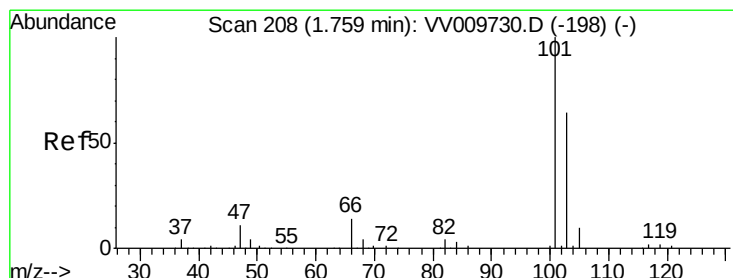
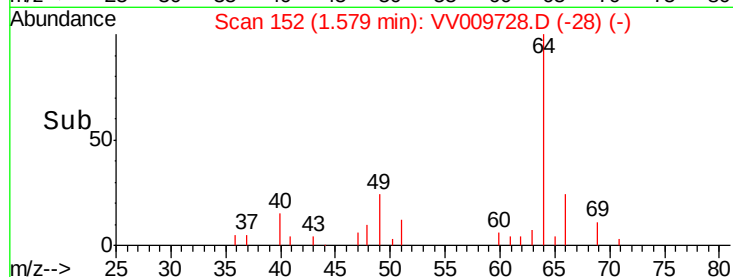
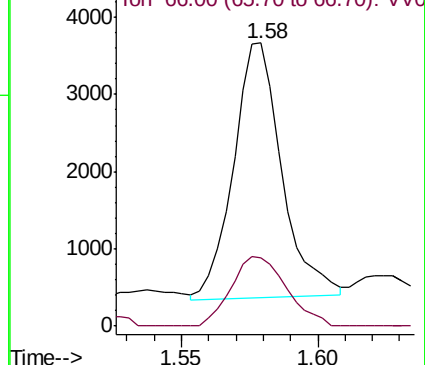
Ion Ratio Lower Upper

64 100

66 24.3 24.5 45.5#



Abundance Ion 64.00 (63.70 to 64.70): VV009728.D (-137) (-)



#9

Trichlorofluoromethane

Concen: 4.903 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV009728.D

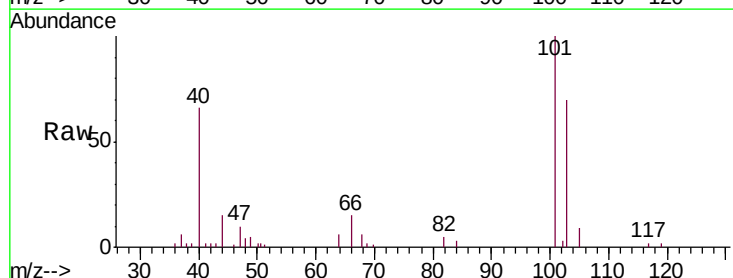
Acq: 16 Mar 2019 14:24

Tgt Ion: 101 Resp: 10197

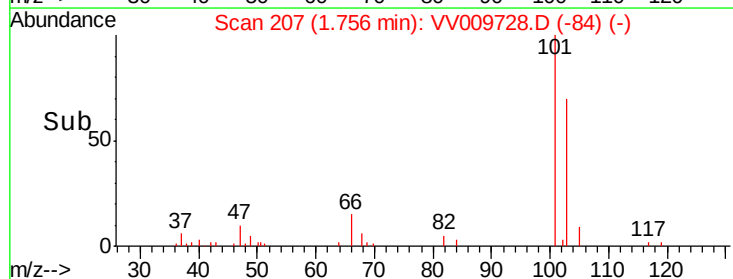
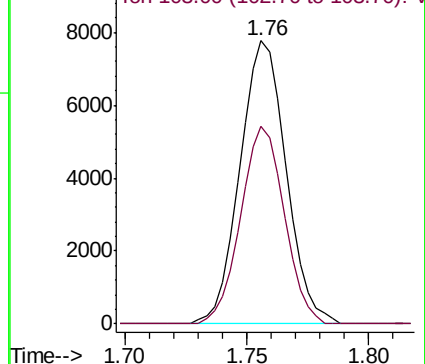
Ion Ratio Lower Upper

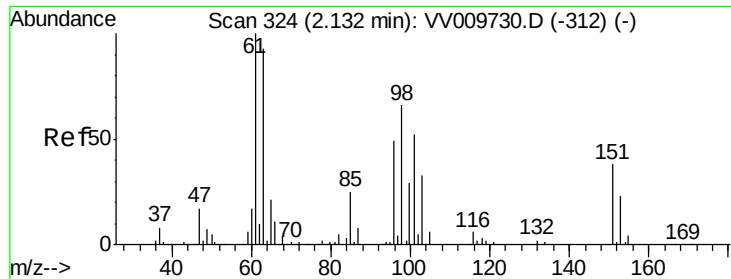
101 100

103 65.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV009728.D (-198) (-)





#10

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

Concen: 5.178 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

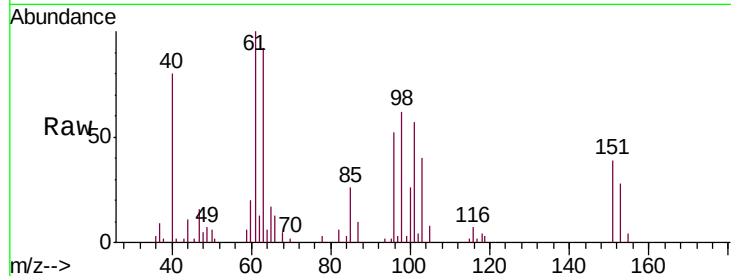
Tgt Ion: 101 Resp: 5981

Ion Ratio Lower Upper

101 100

85 45.7 38.5 57.7

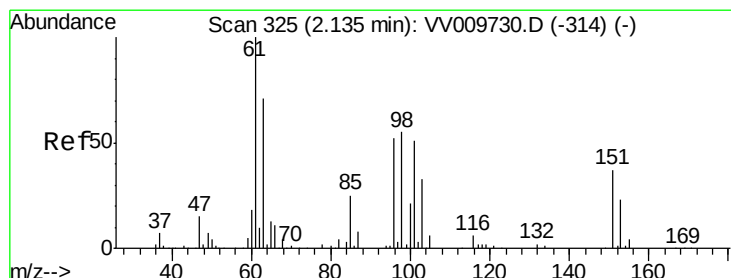
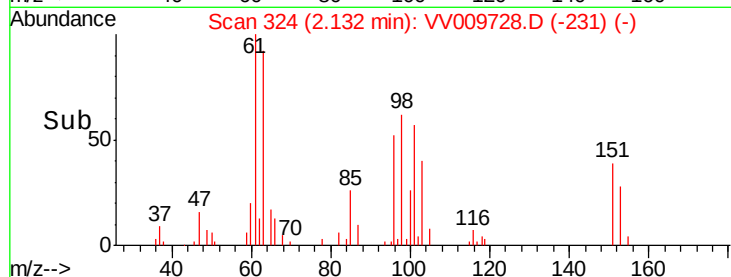
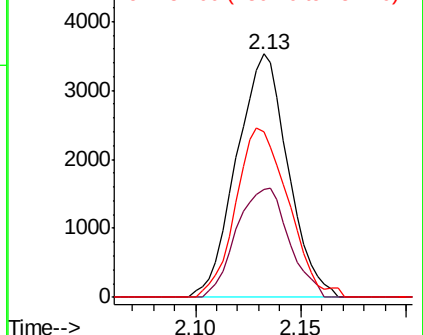
151 70.2 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV009728.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009728.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009728.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 5.085 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

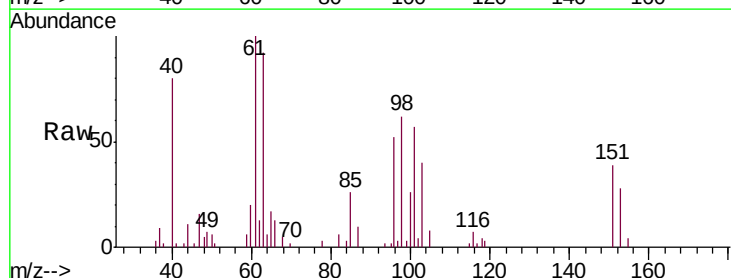
Tgt Ion: 96 Resp: 5030

Ion Ratio Lower Upper

96 100

61 194.1 135.5 251.7

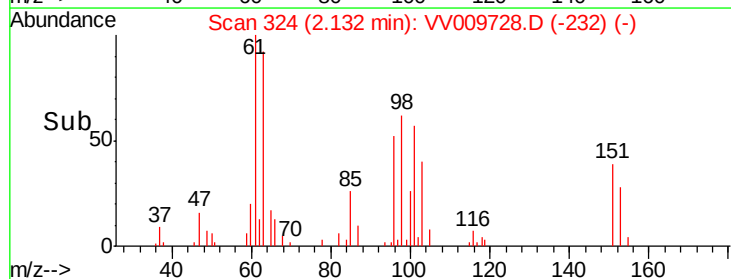
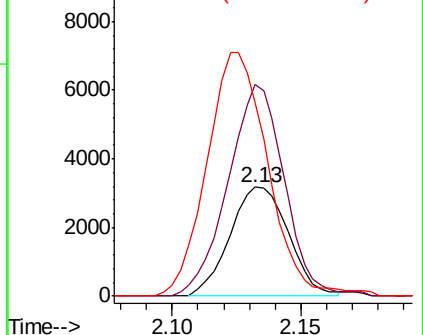
63 178.6 100.2 186.2

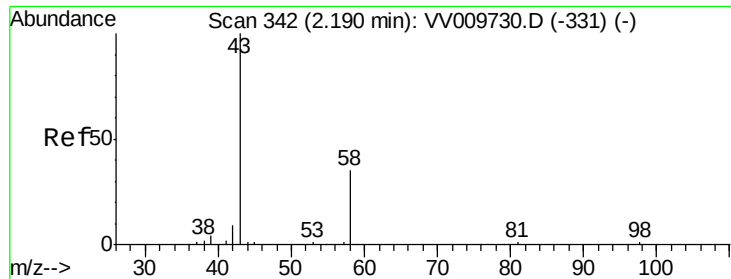


Abundance Ion 96.00 (95.70 to 96.70): VV009728.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009728.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009728.D (-314) (-)





#13

Acetone

Concen: 8.137 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

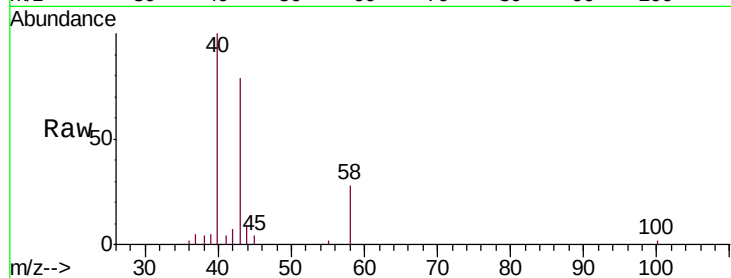
VSTD00562

Tgt Ion: 43 Resp: 5820

Ion Ratio Lower Upper

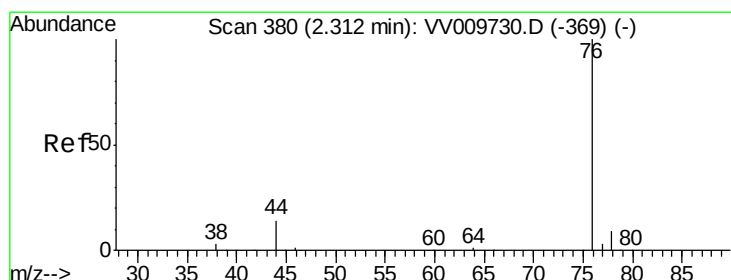
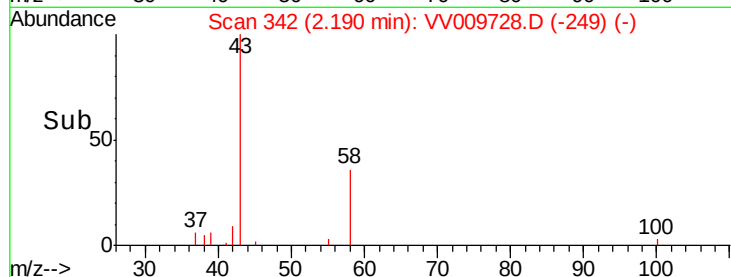
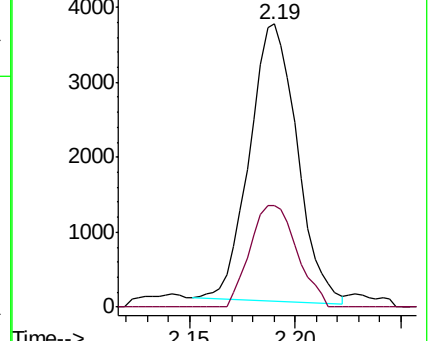
43 100

58 36.1 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 5.300 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009728.D

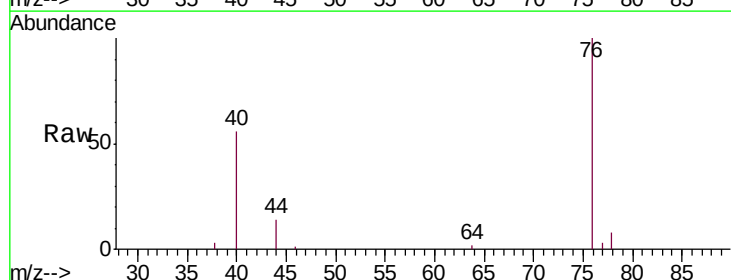
Acq: 16 Mar 2019 14:24

Tgt Ion: 76 Resp: 13568

Ion Ratio Lower Upper

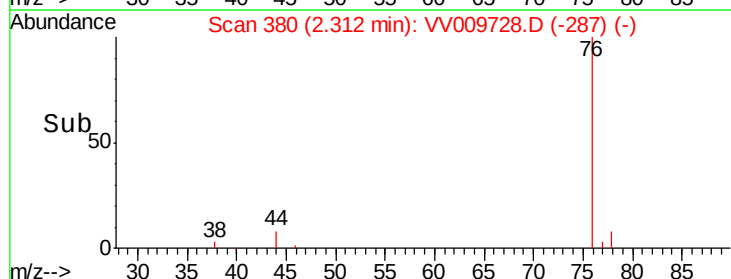
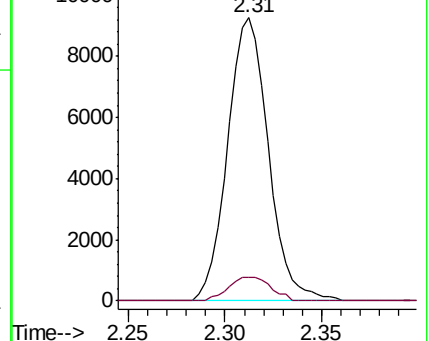
76 100

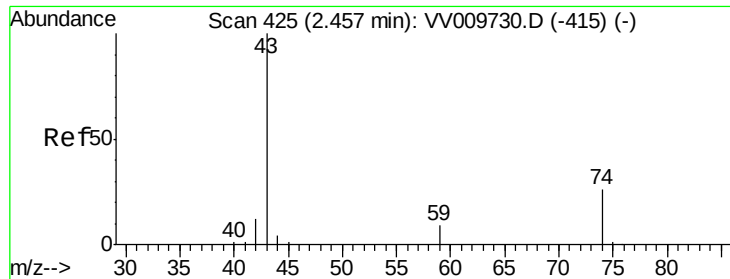
78 8.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 5.723 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

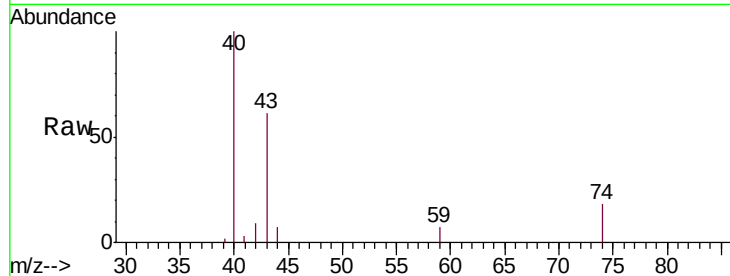
VSTD00562

Tgt Ion: 43 Resp: 5386

Ion Ratio Lower Upper

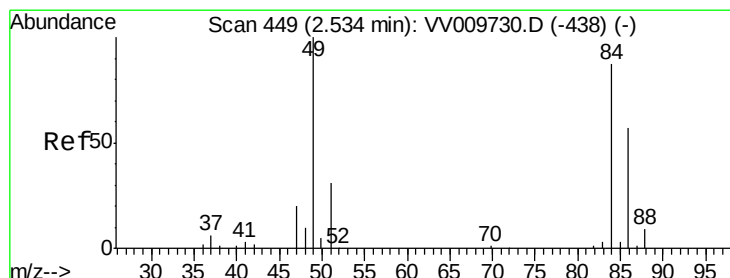
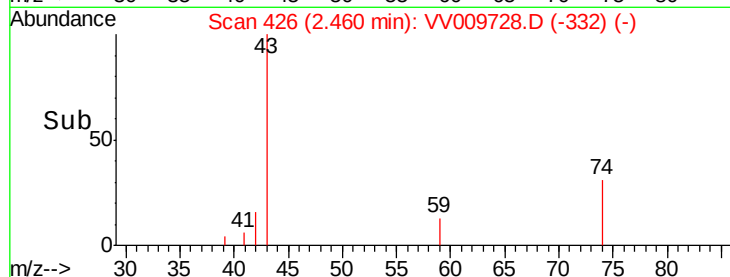
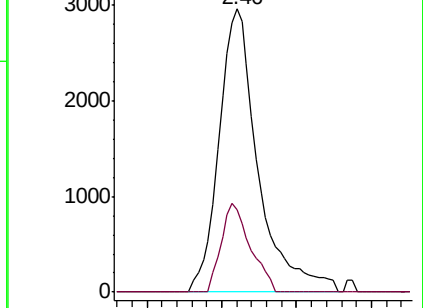
43 100

74 23.2 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VV009728.D (-332) (-)

Ion 74.00 (73.70 to 74.70): VV009728.D (-332) (-)



#16

Methylene chloride

Concen: 5.564 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

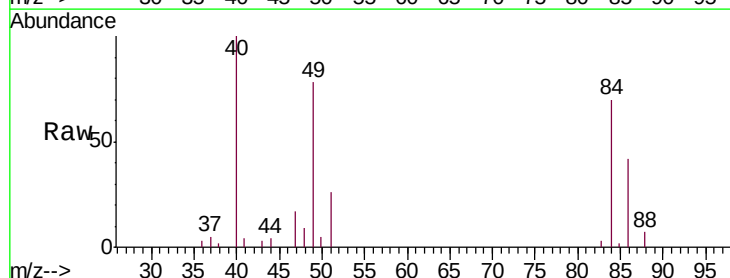
Tgt Ion: 84 Resp: 5598

Ion Ratio Lower Upper

84 100

86 59.6 45.8 85.2

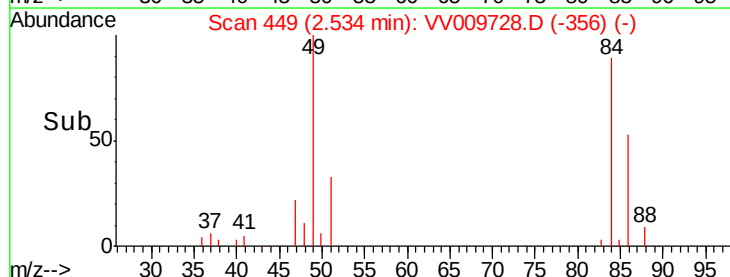
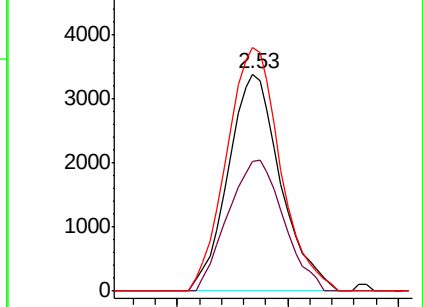
49 112.3 80.6 149.6

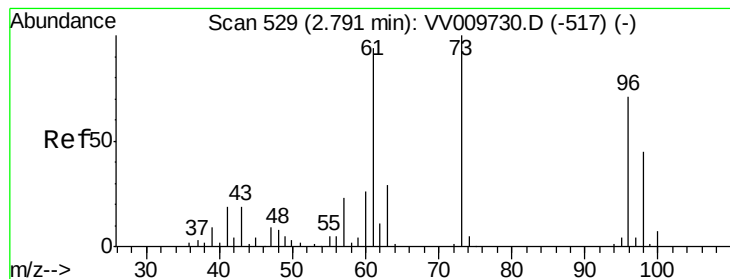


Abundance Ion 84.00 (83.70 to 84.70): VV009728.D (-356) (-)

Ion 86.00 (85.70 to 86.70): VV009728.D (-356) (-)

Ion 49.00 (48.70 to 49.70): VV009728.D (-356) (-)





#17

trans-1,2-Dichloroethene

Concen: 5.367 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampled :

VSTD00562

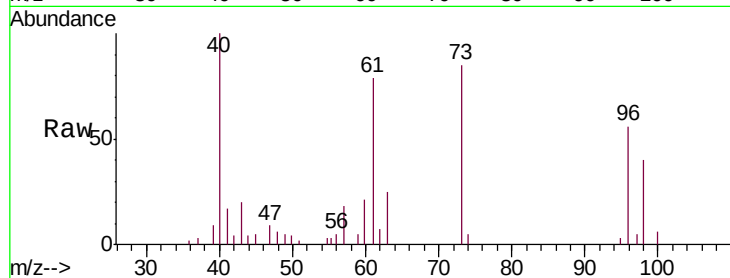
Tgt Ion: 96 Resp: 5057

Ion Ratio Lower Upper

96 100

61 139.2 92.0 170.9

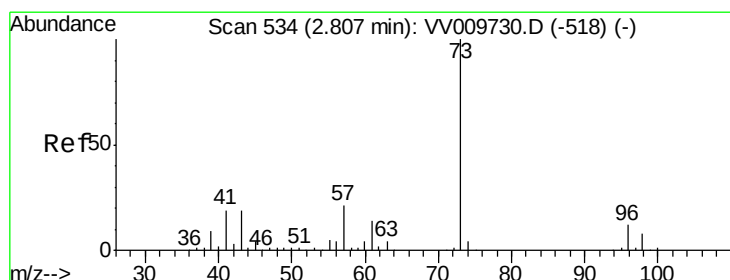
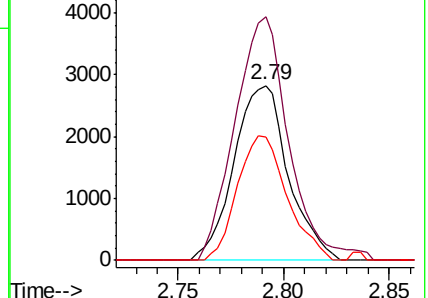
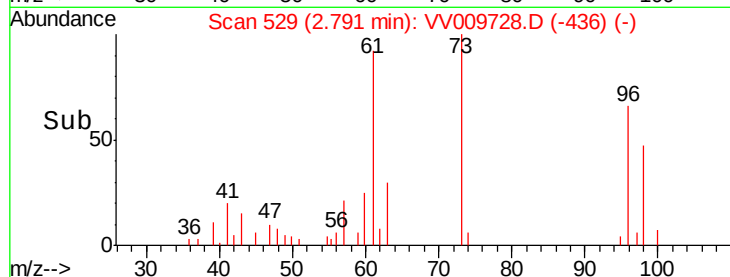
98 70.3 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV009728.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV009728.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV009728.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 5.231 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

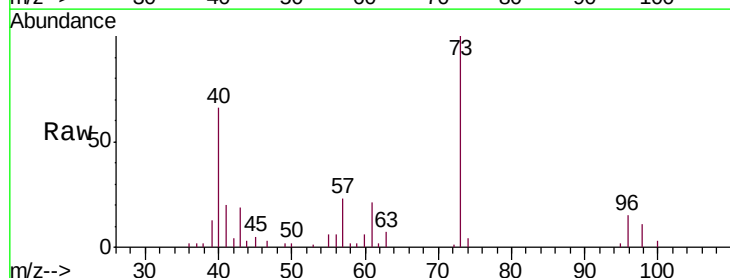
Tgt Ion: 73 Resp: 15687

Ion Ratio Lower Upper

73 100

43 10.8 15.2 22.8#

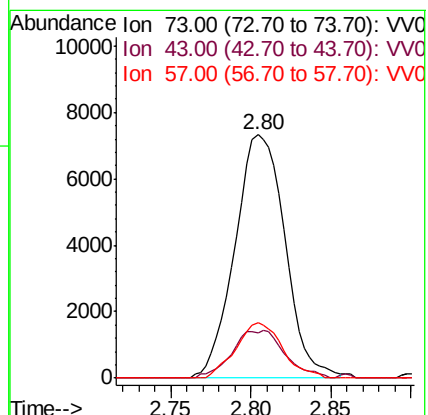
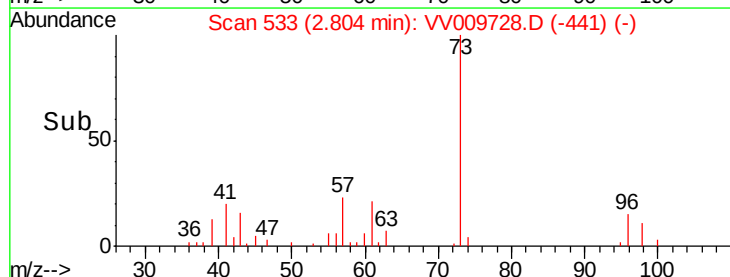
57 21.2 17.1 25.7

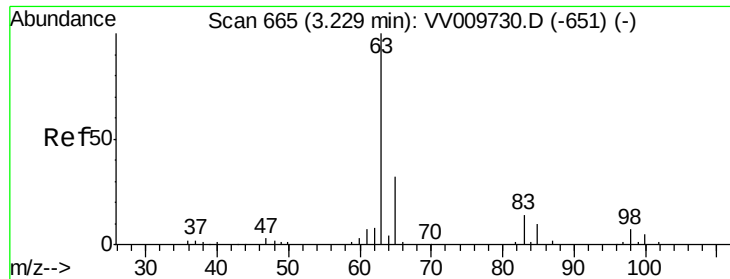


Abundance Ion 73.00 (72.70 to 73.70): VV009728.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV009728.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV009728.D (-441) (-)

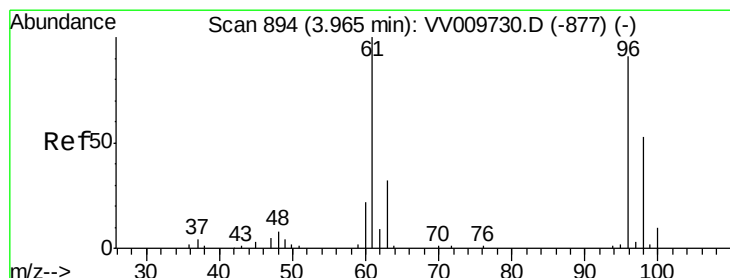
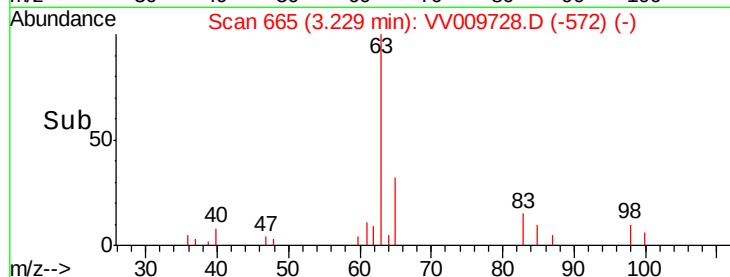
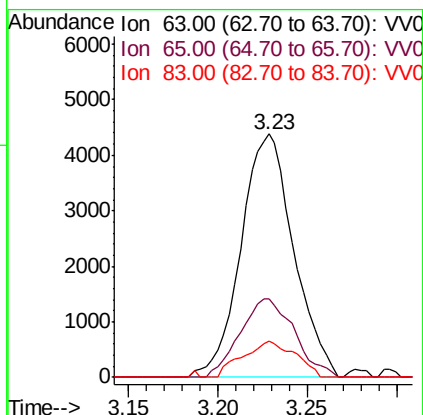
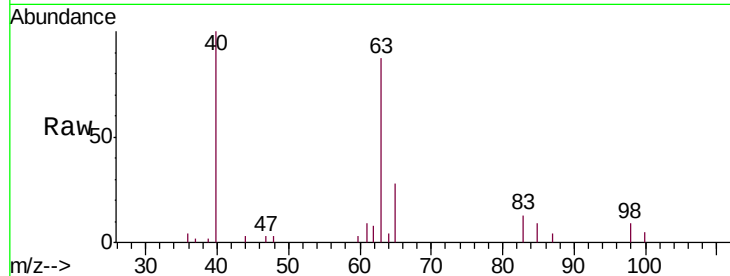




#19
 1,1-Dichloroethane
 Concen: 5.267 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

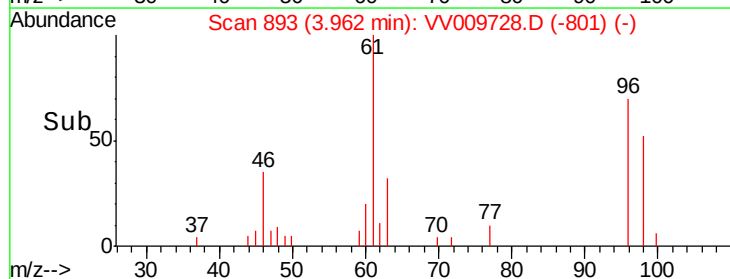
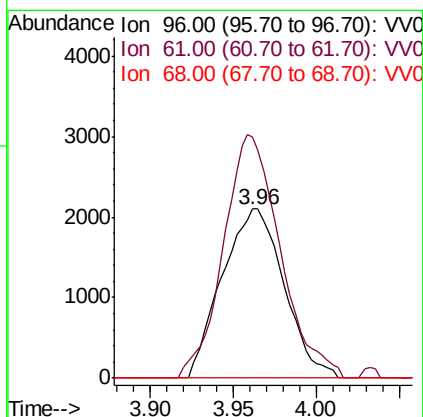
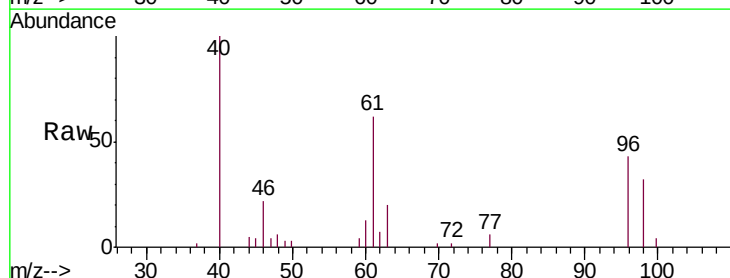
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

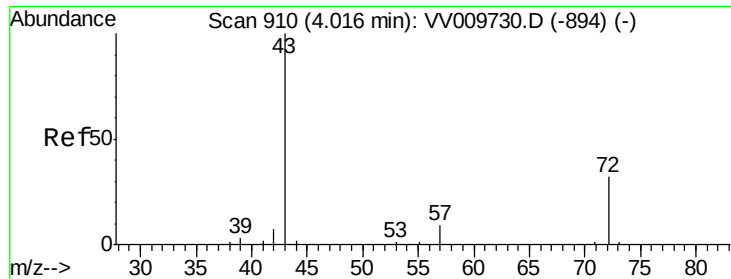
Tgt Ion: 63 Resp: 9026
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.7 42.3
 83 15.0 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 4.989 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

Tgt Ion: 96 Resp: 5451
 Ion Ratio Lower Upper
 96 100
 61 143.0 77.5 143.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 9.298 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

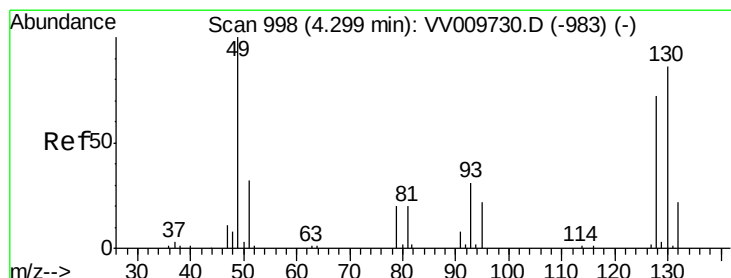
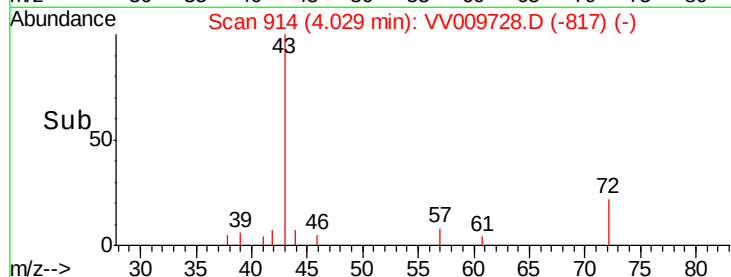
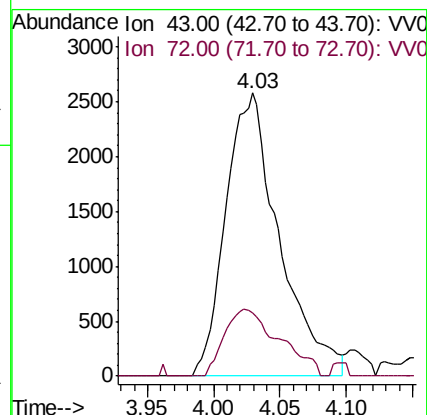
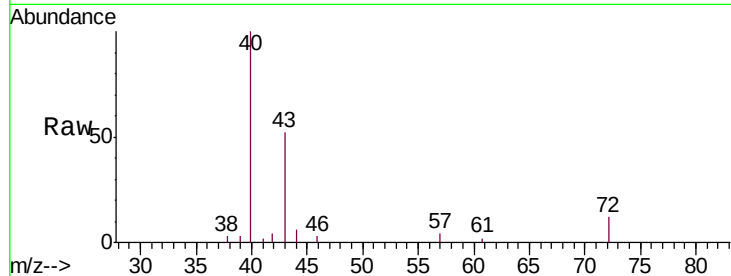
VSTD00562

Tgt Ion: 43 Resp: 7238

Ion Ratio Lower Upper

43 100

72 23.2 14.8 44.4



#23

Bromochloromethane

Concen: 5.475 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Tgt Ion: 128 Resp: 3006

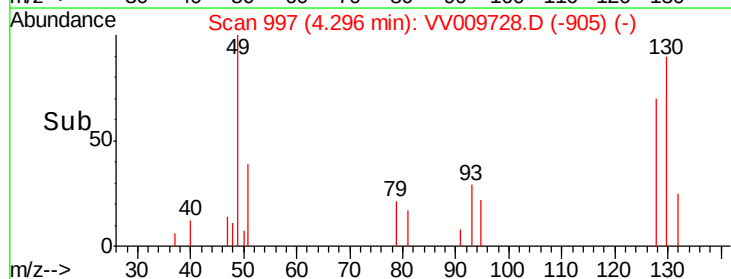
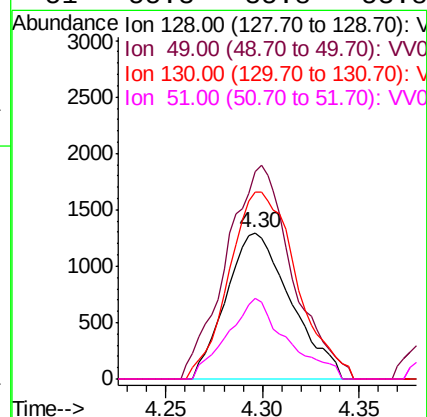
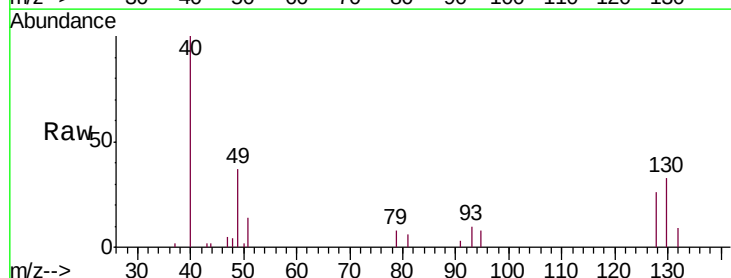
Ion Ratio Lower Upper

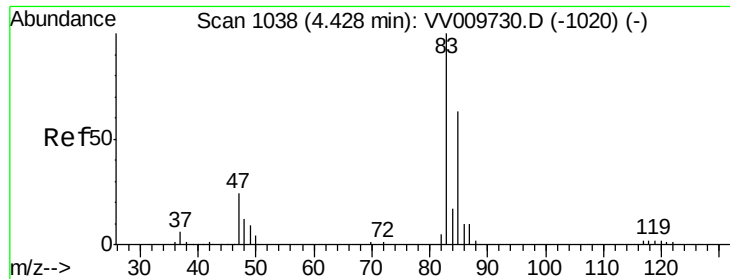
128 100

49 141.9 98.0 182.0

130 128.4 84.5 156.9

51 55.3 35.8 53.8#

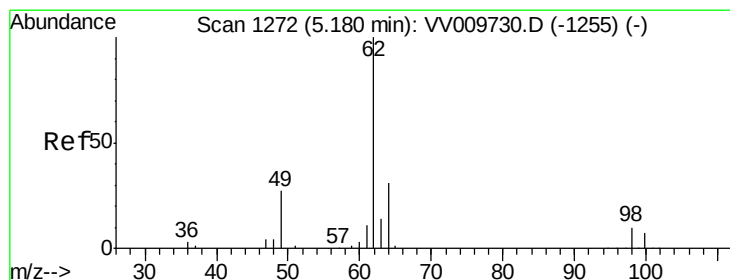
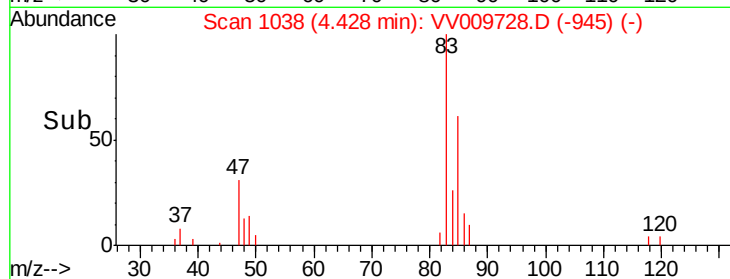
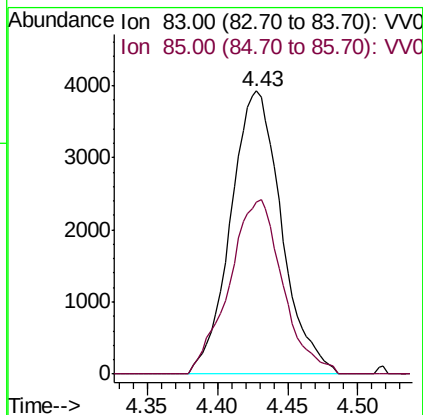
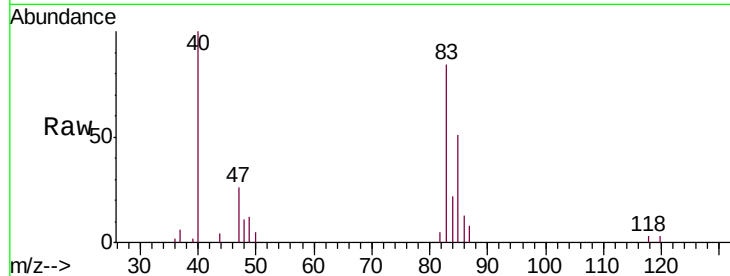




#25
Chloroform
Concen: 5.145 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009728.D
Acq: 16 Mar 2019 14:24

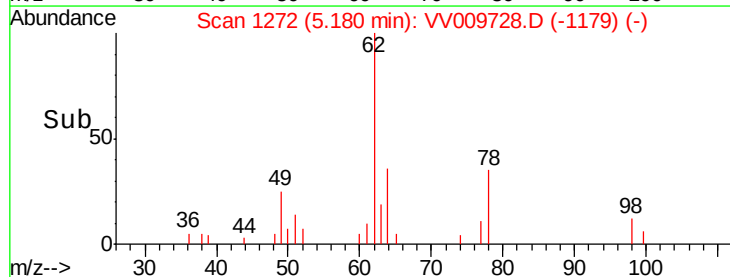
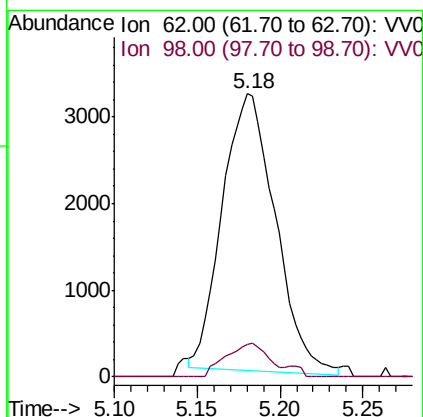
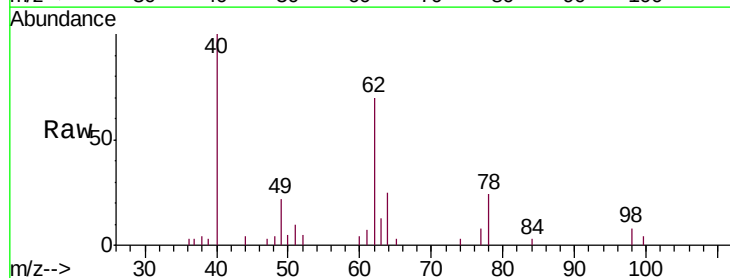
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

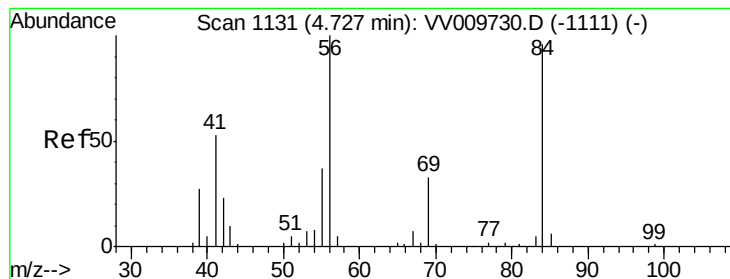
Tgt Ion: 83 Resp: 9885
Ion Ratio Lower Upper
83 100
85 61.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.788 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009728.D
Acq: 16 Mar 2019 14:24

Tgt Ion: 62 Resp: 7097
Ion Ratio Lower Upper
62 100
98 11.6 7.8 11.6





#29

Cyclohexane

Concen: 5.815 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

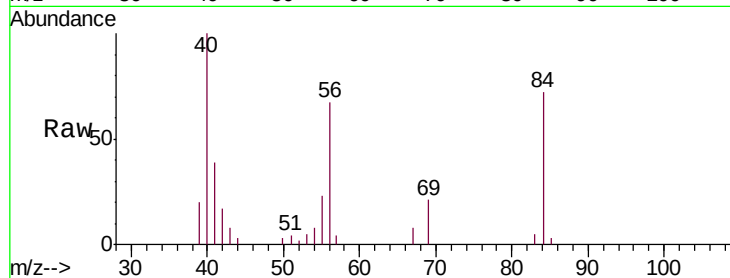
Tgt Ion: 56 Resp: 8411

Ion Ratio Lower Upper

56 100

69 31.0 25.8 38.6

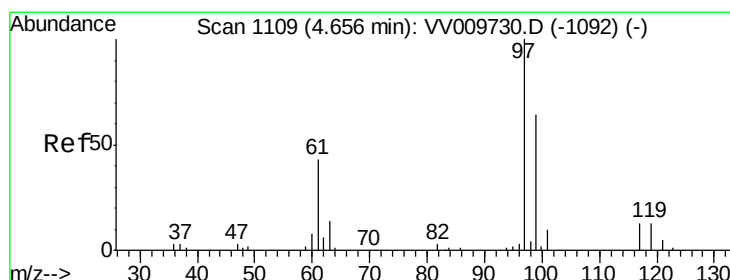
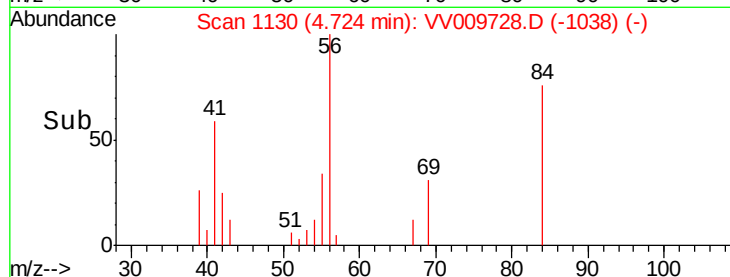
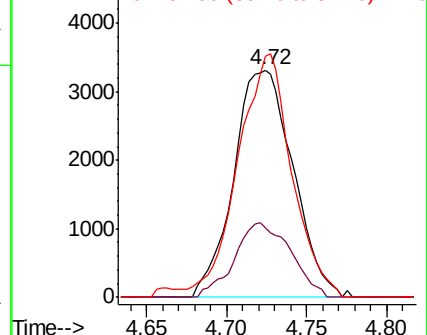
84 97.9 75.8 113.6



Abundance Ion 56.00 (55.70 to 56.70): VV009730.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV009730.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV009730.D (-1111) (-)



#30

1,1,1-Trichloroethane

Concen: 5.303 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

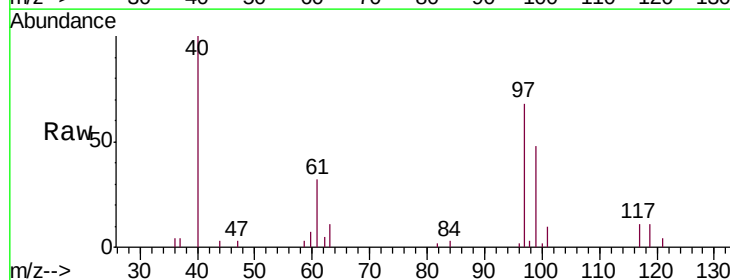
Tgt Ion: 97 Resp: 8177

Ion Ratio Lower Upper

97 100

99 67.9 50.9 76.3

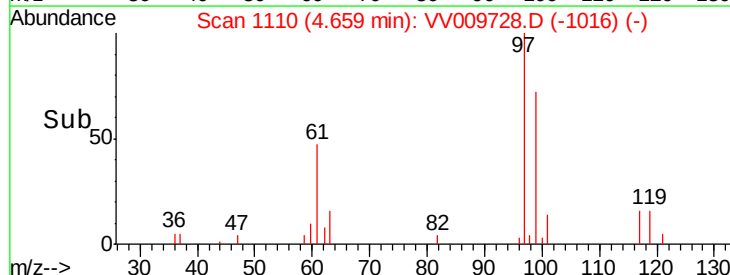
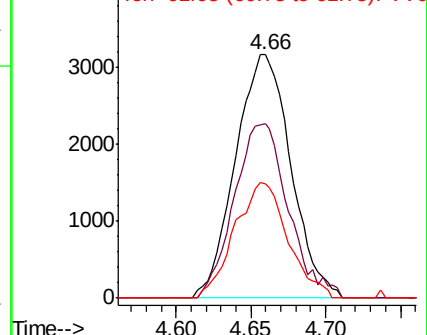
61 45.6 33.9 50.9

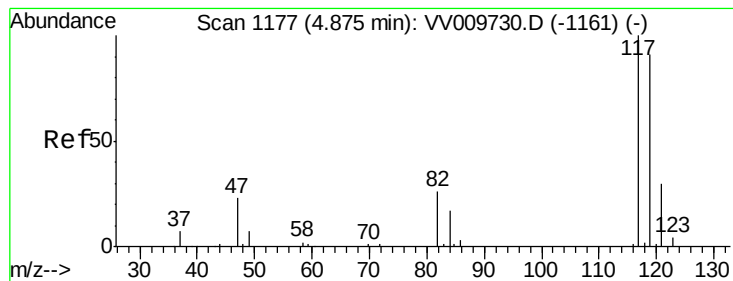


Abundance Ion 97.00 (96.70 to 97.70): VV009730.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV009730.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV009730.D (-1092) (-)





#31

Carbon tetrachloride

Concen: 4.858 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

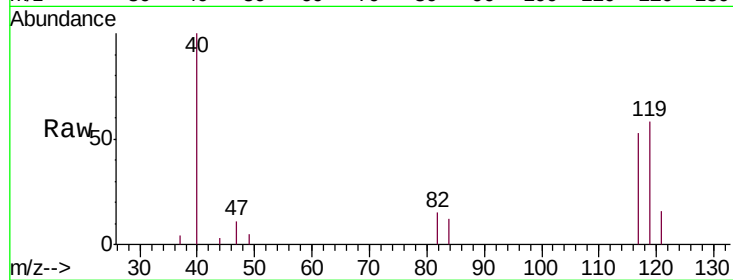
VSTD00562

Tgt Ion:117 Resp: 6299

Ion Ratio Lower Upper

117 100

119 95.9 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

3000

2500

2000

1500

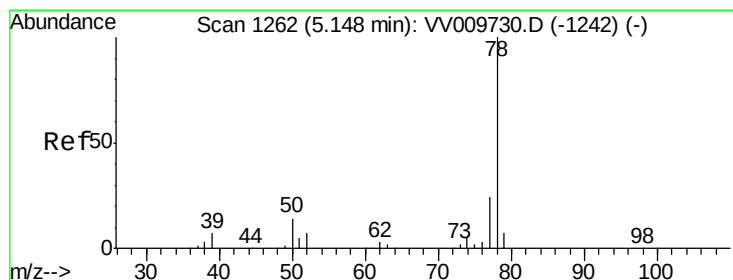
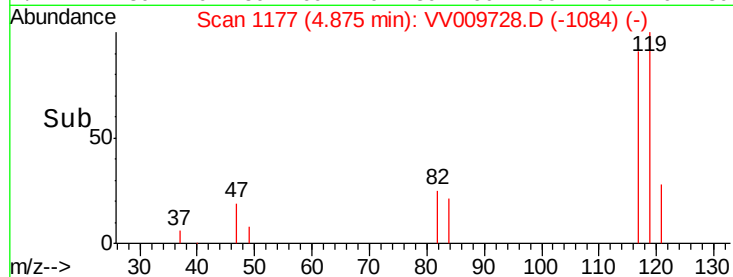
1000

500

0

Time-->

4.80 4.85 4.90 4.95



#33

Benzene

Concen: 5.779 ug/L

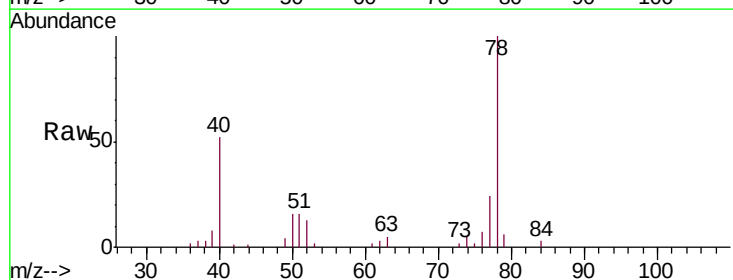
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Tgt Ion: 78 Resp: 21505



Abundance Ion 78.00 (77.70 to 78.70): VV0

10000

8000

6000

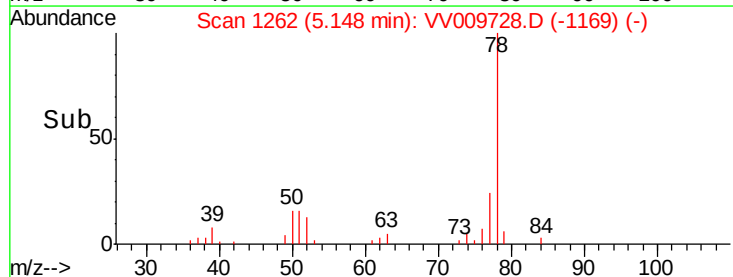
4000

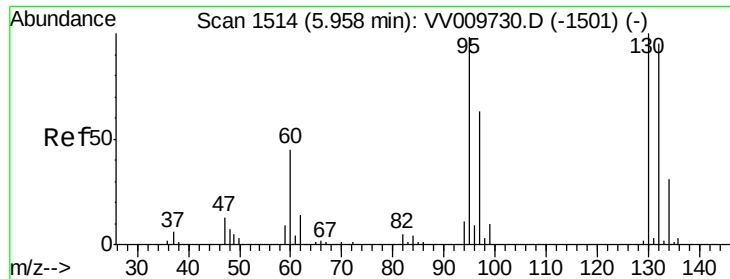
2000

0

Time-->

5.05 5.10 5.15 5.20





#34

Trichloroethene

Concen: 3.196 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tgt Ion: 95 Resp: 3180

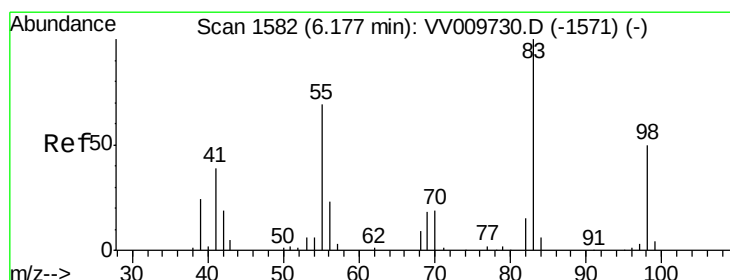
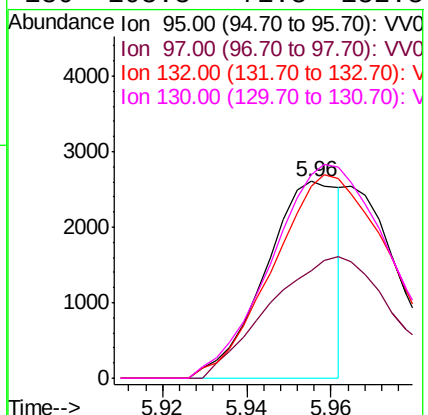
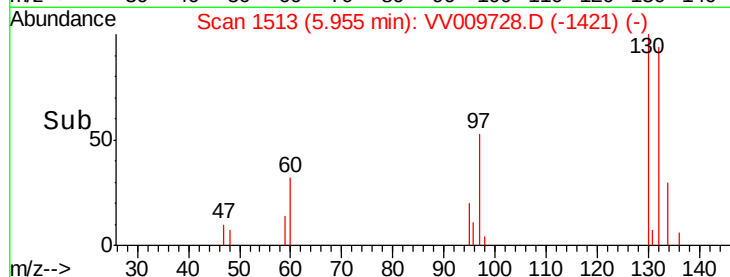
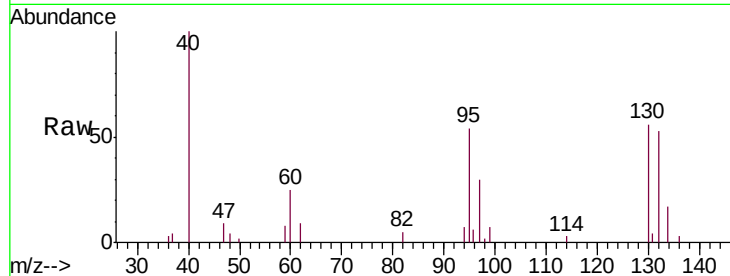
Ion Ratio Lower Upper

95 100

97 54.5 45.1 83.9

132 97.5 68.0 126.2

130 103.3 71.3 132.3



#35

Methylcyclohexane

Concen: 5.506 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

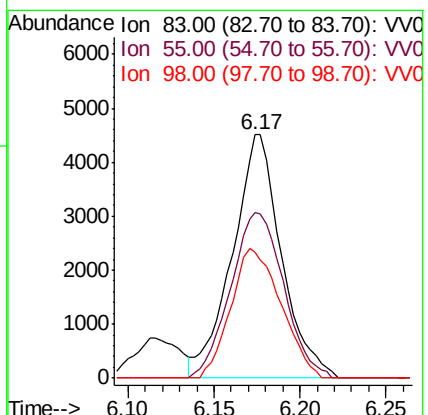
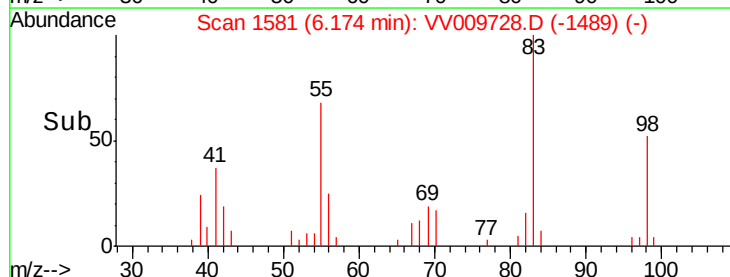
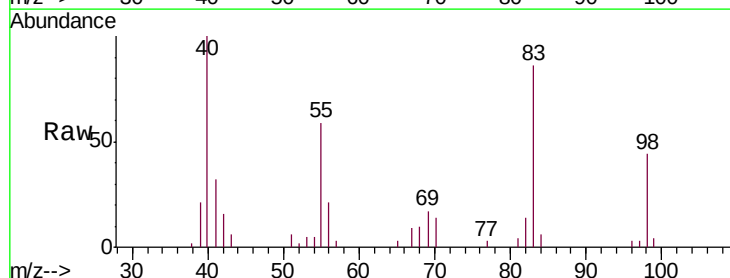
Tgt Ion: 83 Resp: 8939

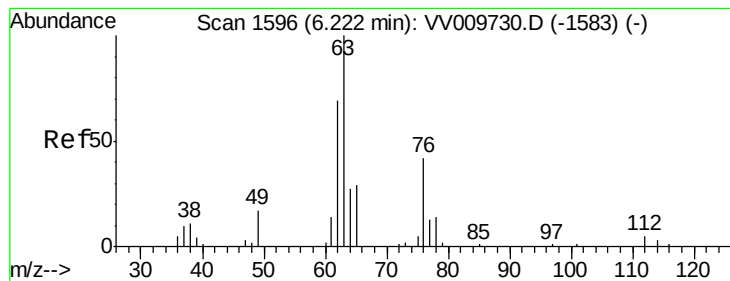
Ion Ratio Lower Upper

83 100

55 73.6 54.2 81.4

98 54.4 38.4 57.6





#37

1,2-Dichloropropane

Concen: 5.662 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

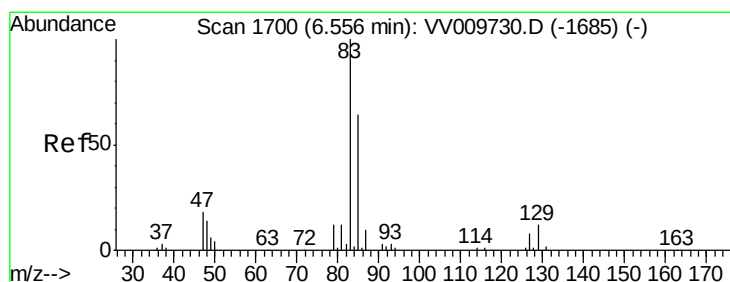
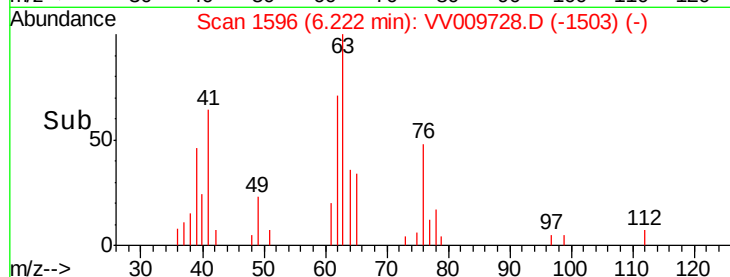
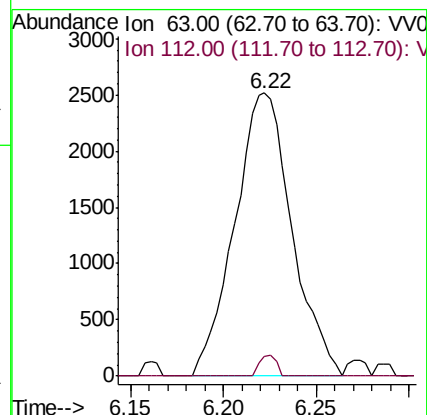
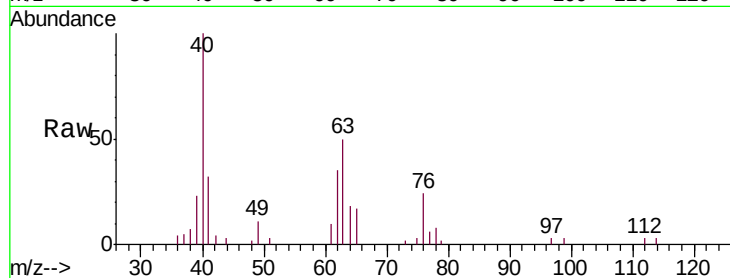
VSTD00562

Tgt Ion: 63 Resp: 5390

Ion Ratio Lower Upper

63 100

112 2.2 3.6 5.4#



#38

Bromodichloromethane

Concen: 4.819 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

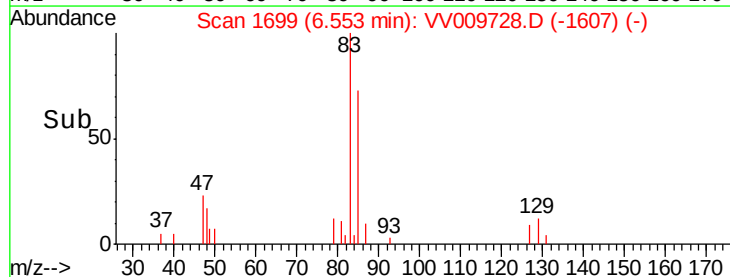
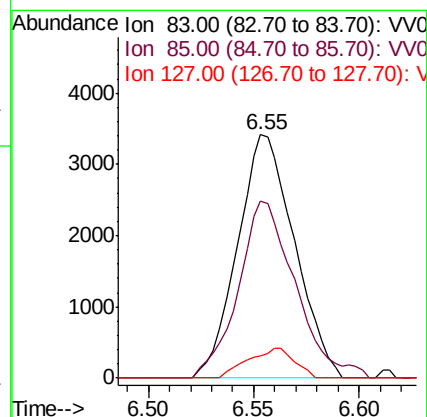
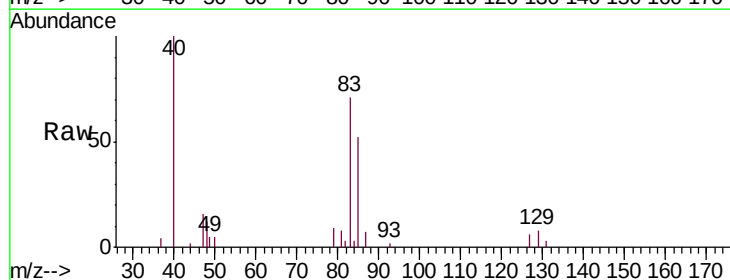
Tgt Ion: 83 Resp: 6386

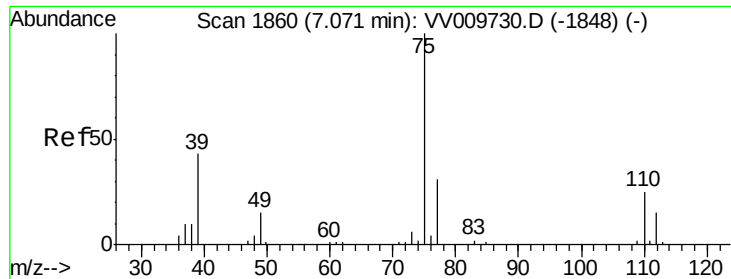
Ion Ratio Lower Upper

83 100

85 72.9 44.9 83.5

127 9.2 6.7 10.1

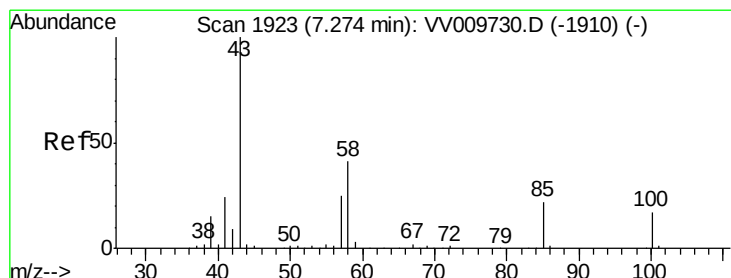
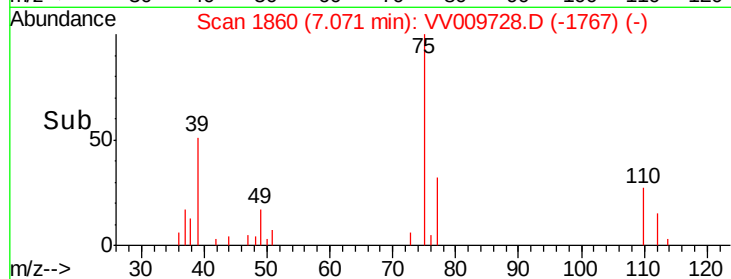
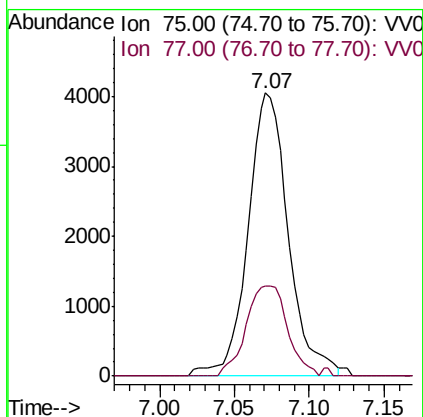
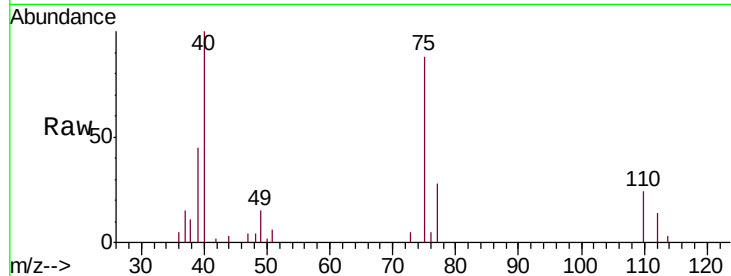




#39
 cis-1,3-Dichloropropene
 Concen: 5.050 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

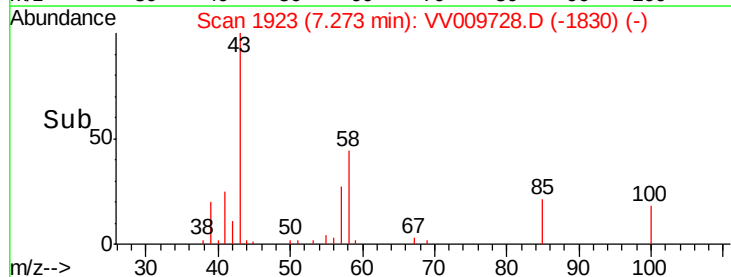
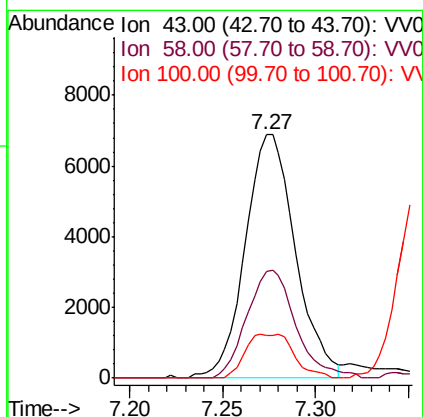
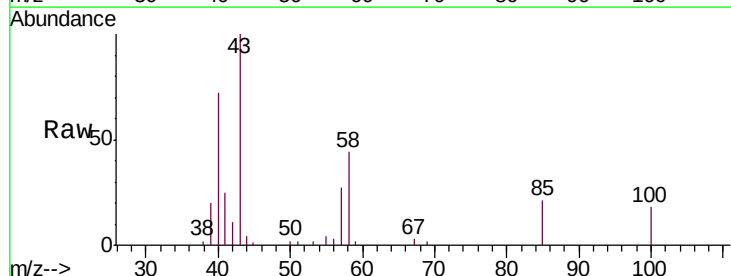
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

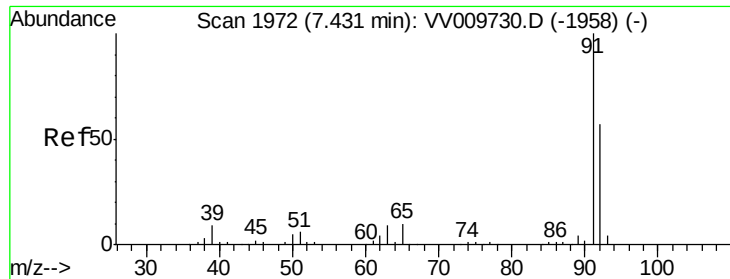
Tgt Ion: 75 Resp: 7601
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 10.223 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

Tgt Ion: 43 Resp: 12986
 Ion Ratio Lower Upper
 43 100
 58 43.3 32.3 48.5
 100 8.4 13.7 20.5#





#42

Toluene

Concen: 5.466 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

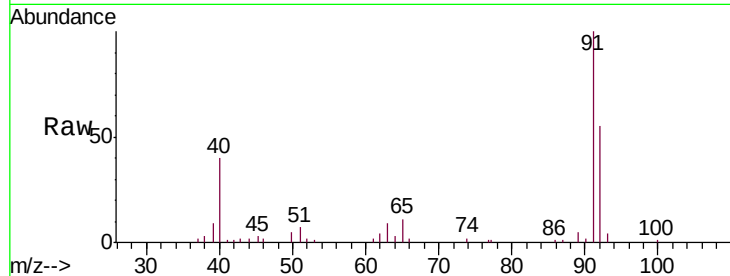
VSTD00562

Tgt Ion: 91 Resp: 23147

Ion Ratio Lower Upper

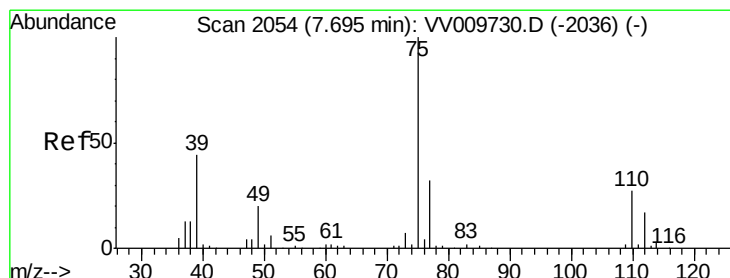
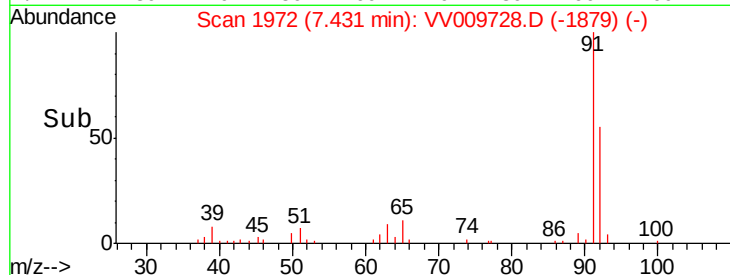
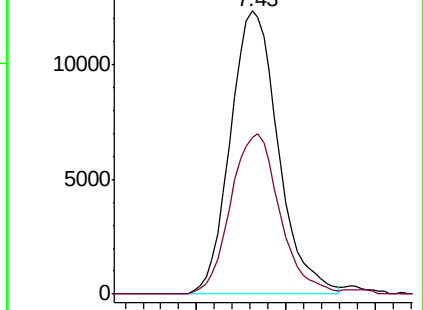
91 100

92 55.2 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV009728.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VV009728.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.998 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009728.D

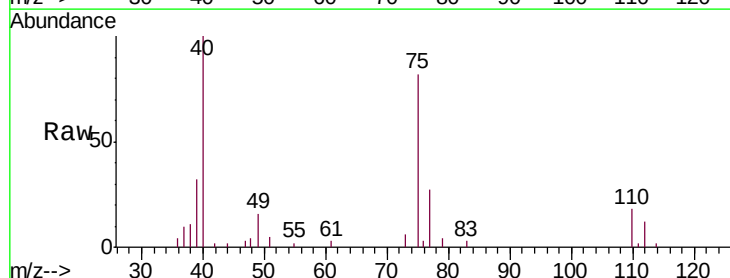
Acq: 16 Mar 2019 14:24

Tgt Ion: 75 Resp: 6990

Ion Ratio Lower Upper

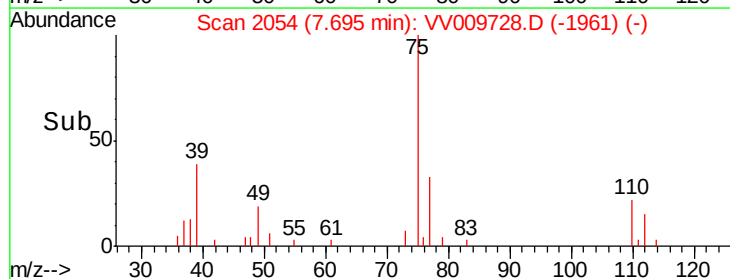
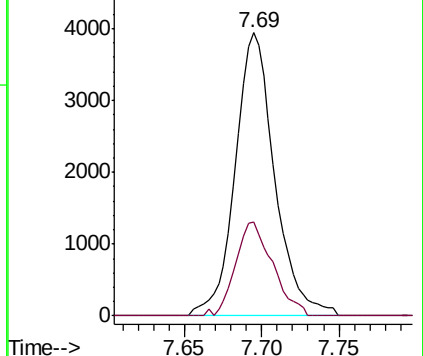
75 100

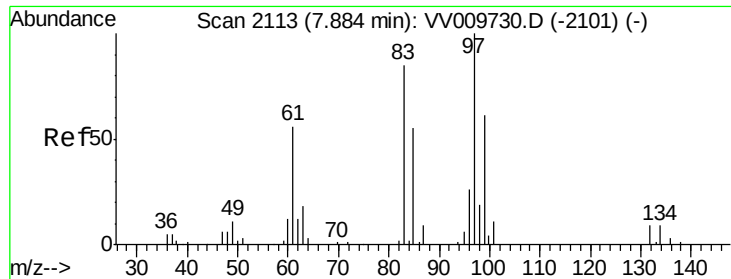
77 33.2 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009728.D (-1961) (-)

Ion 77.00 (76.70 to 77.70): VV009728.D (-1961) (-)

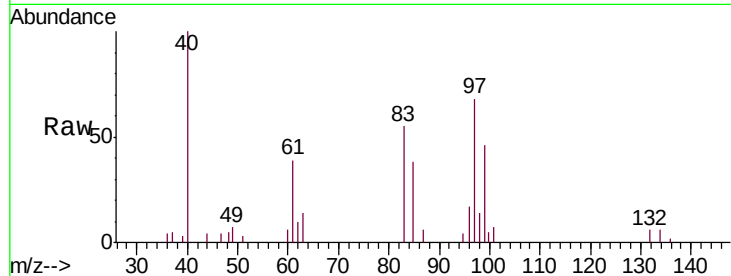




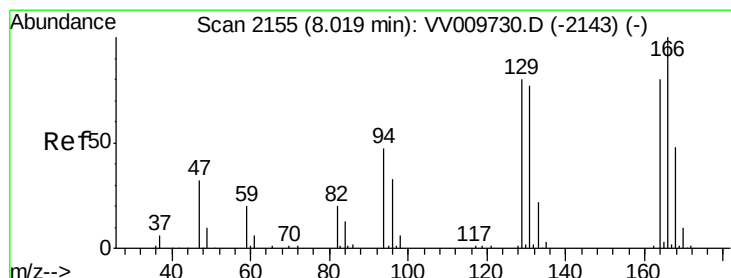
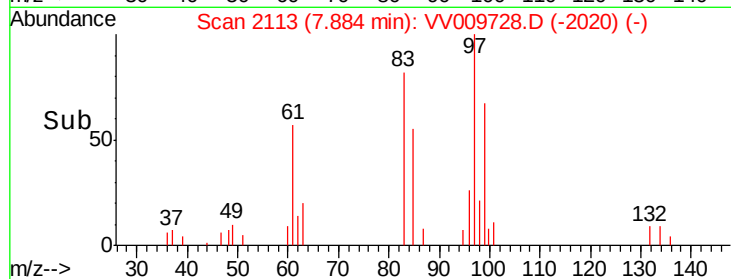
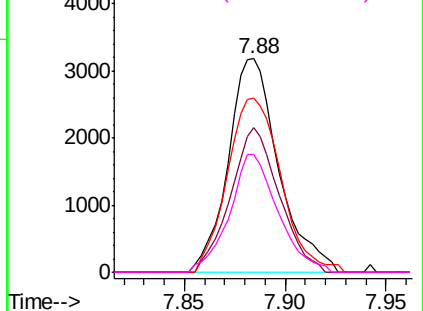
#45
 1,1,2-Trichloroethane
 Concen: 5.648 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion:	97	Resp:	5574
Ion	Ratio	Lower	Upper
97	100		
99	67.4	42.8	79.6
83	81.8	59.7	110.9
85	55.3	38.7	71.9

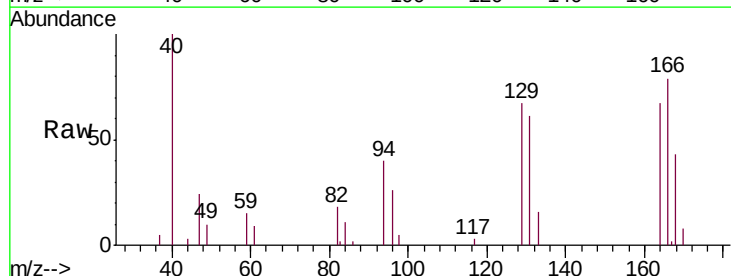


Abundance Ion 97.00 (96.70 to 97.70): VV009728.D (-2020) (-)
 Ion 99.00 (98.70 to 99.70): VV009728.D (-2020) (-)
 Ion 83.00 (82.70 to 83.70): VV009728.D (-2020) (-)
 Ion 85.00 (84.70 to 85.70): VV009728.D (-2020) (-)

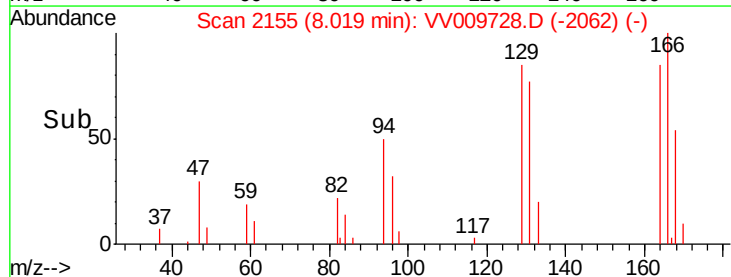
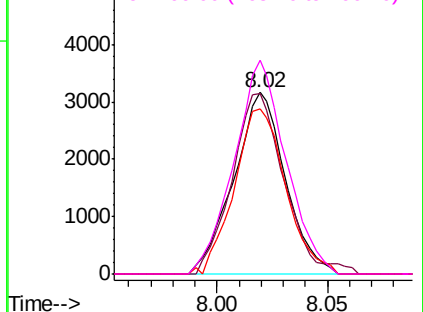


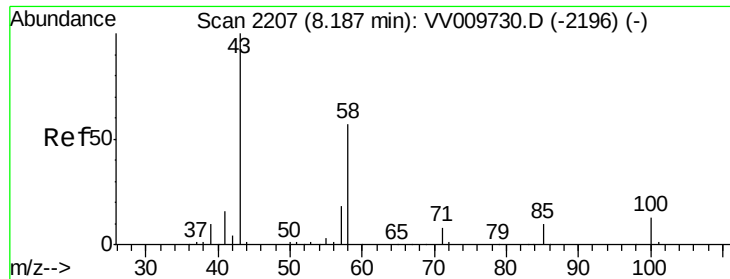
#46
 Tetrachloroethene
 Concen: 6.518 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

Tgt Ion:	164	Resp:	5141
Ion	Ratio	Lower	Upper
164	100		
129	99.6	70.0	130.0
131	91.1	67.5	125.4
166	117.8	88.0	163.4



Abundance Ion 164.00 (163.70 to 164.70): VV009728.D (-2062) (-)
 Ion 129.00 (128.70 to 129.70): VV009728.D (-2062) (-)
 Ion 131.00 (130.70 to 131.70): VV009728.D (-2062) (-)
 Ion 166.00 (165.70 to 166.70): VV009728.D (-2062) (-)

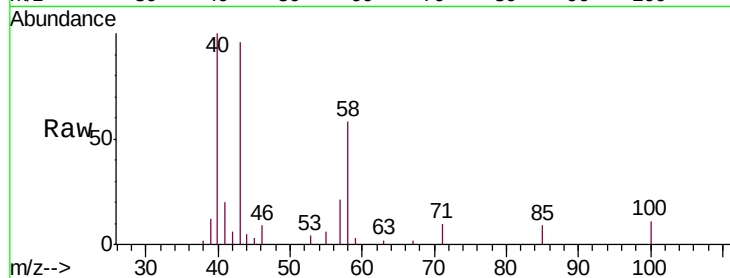




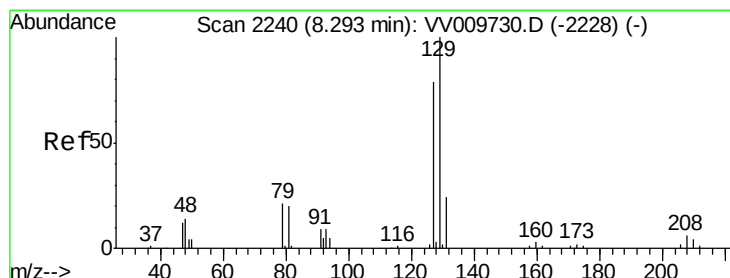
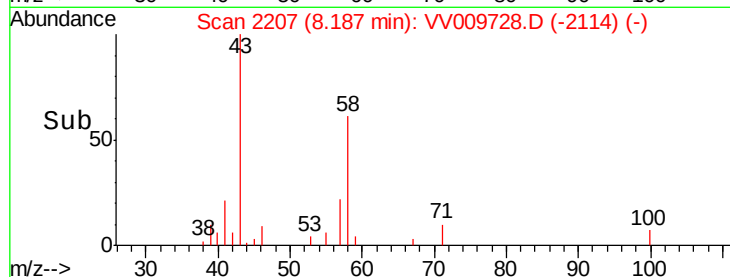
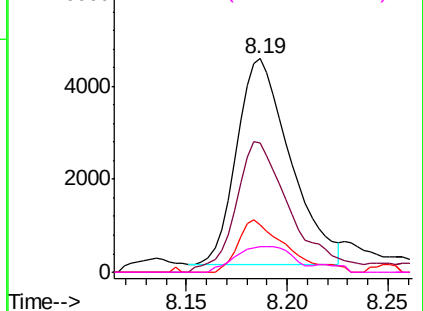
#48
2-Hexanone
Concen: 8.206 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009728.D
Acq: 16 Mar 2019 14:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion: 43 Resp: 8213
Ion Ratio Lower Upper
43 100
58 64.8 46.0 69.0
57 21.5 14.8 22.2
100 13.2 10.8 16.2

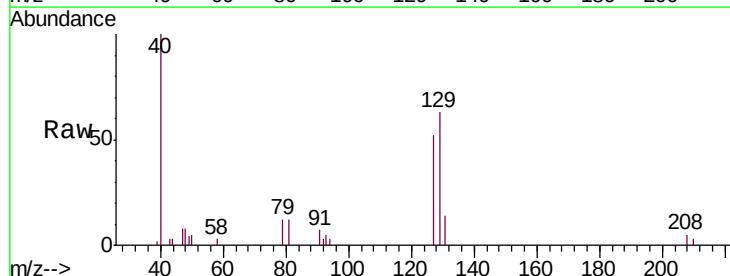


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

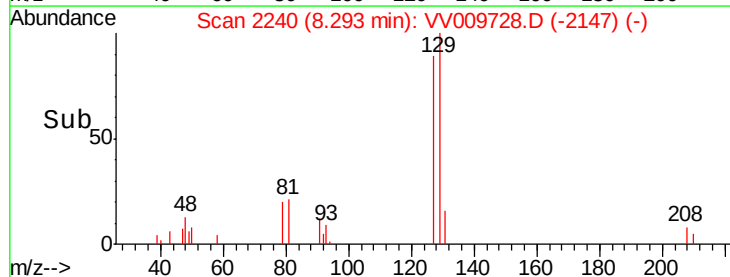
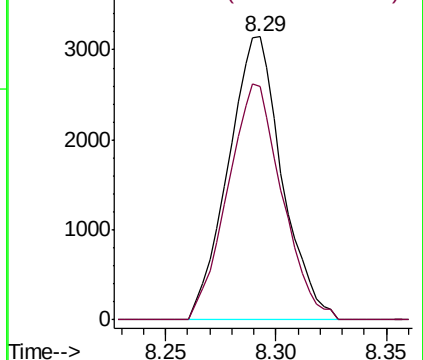


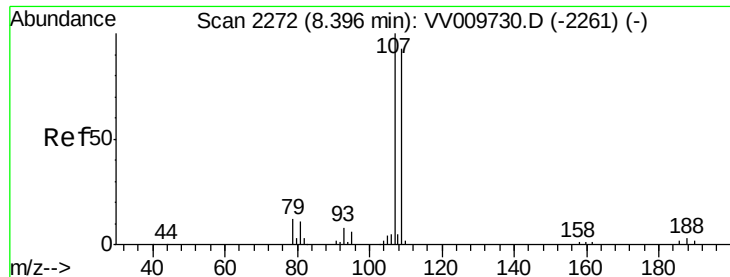
#49
Dibromochloromethane
Concen: 4.918 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009728.D
Acq: 16 Mar 2019 14:24

Tgt Ion: 129 Resp: 5333
Ion Ratio Lower Upper
129 100
127 82.6 55.2 102.4



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

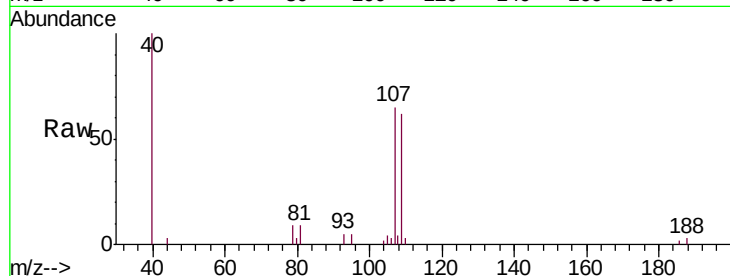




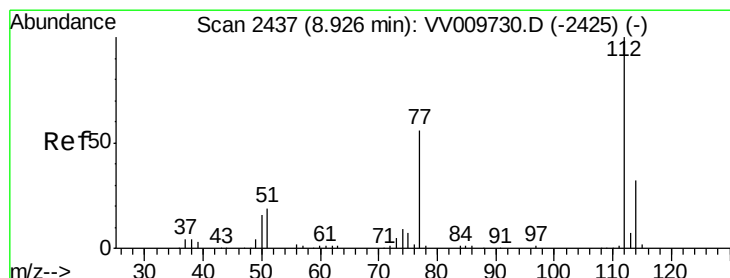
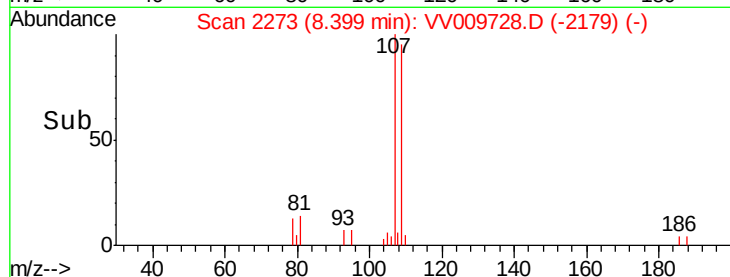
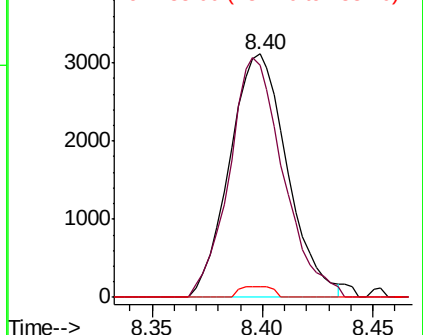
#50
1,2-Dibromoethane
Concen: 5.431 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV009728.D
Acq: 16 Mar 2019 14:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:107 Resp: 5636
Ion Ratio Lower Upper
107 100
109 95.3 65.3 121.3
188 4.3 2.2 3.4#

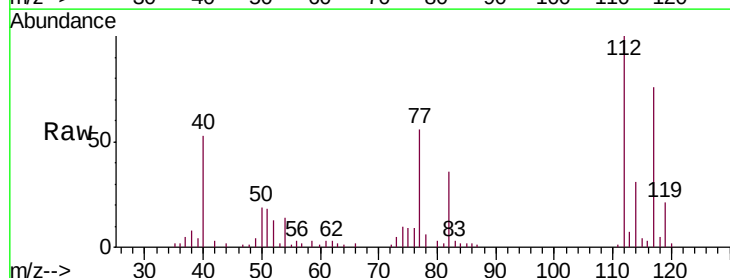


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

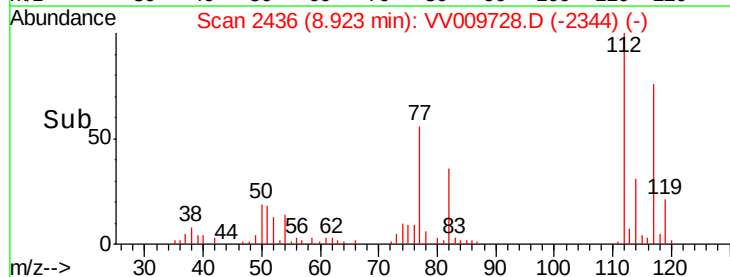
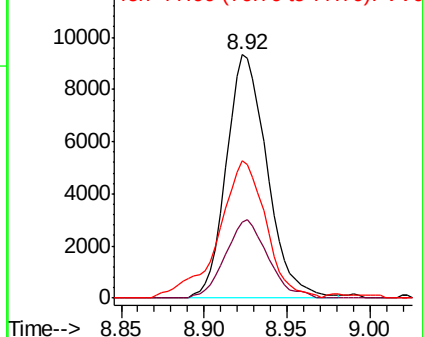


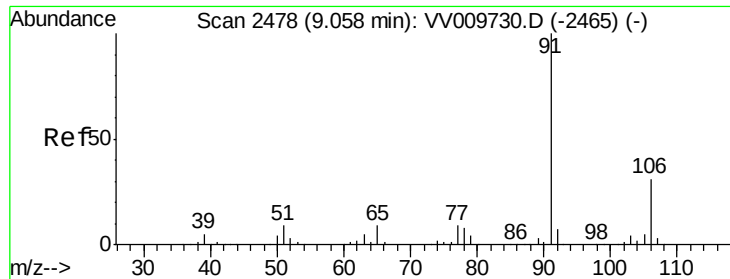
#51
Chlorobenzene
Concen: 5.640 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV009728.D
Acq: 16 Mar 2019 14:24

Tgt Ion:112 Resp: 15959
Ion Ratio Lower Upper
112 100
114 31.2 22.5 41.9
77 56.3 45.4 68.2



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: 5.348 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

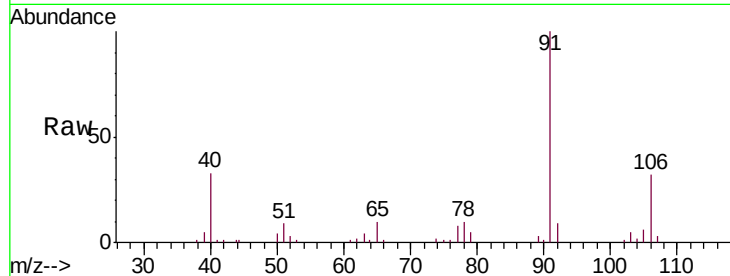
VSTD00562

Tgt Ion: 91 Resp: 25642

Ion Ratio Lower Upper

91 100

106 31.7 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009728.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV009728.D (-2385) (-)

9.06

15000

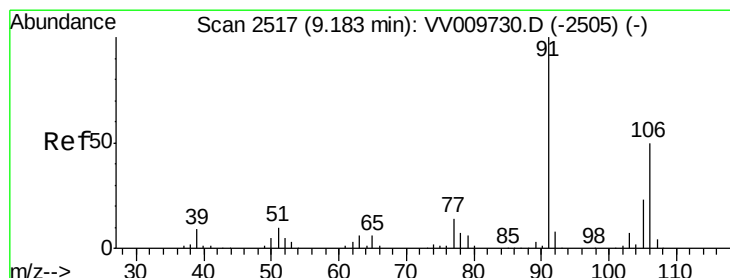
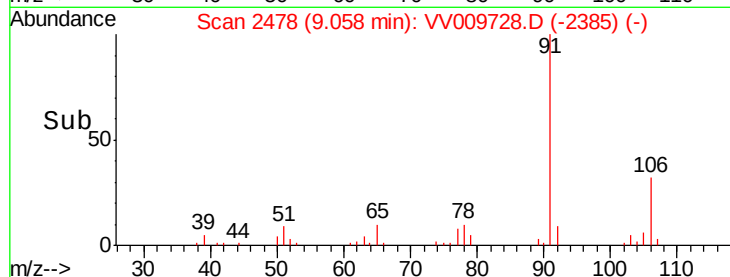
10000

5000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 5.335 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009728.D

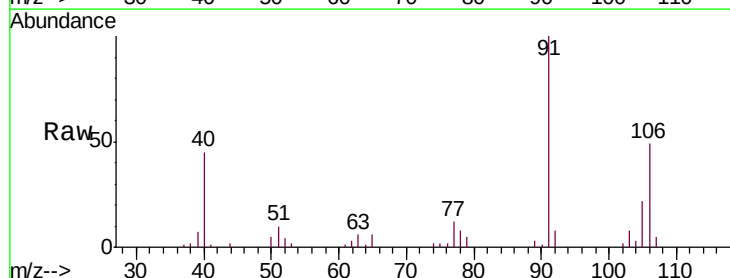
Acq: 16 Mar 2019 14:24

Tgt Ion: 106 Resp: 9807

Ion Ratio Lower Upper

106 100

91 203.4 141.1 262.1



Abundance Ion 106.00 (105.70 to 106.70): VV009728.D (-2424) (-)

Ion 91.00 (90.70 to 91.70): VV009728.D (-2424) (-)

9.18

12000

10000

8000

6000

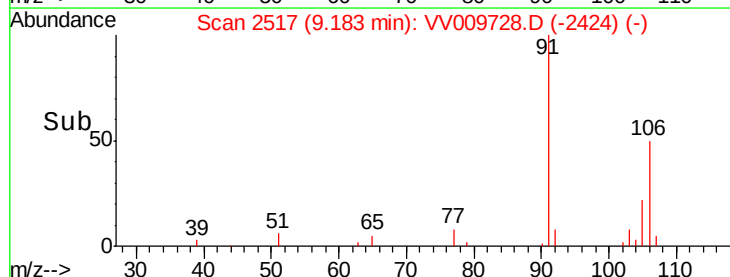
4000

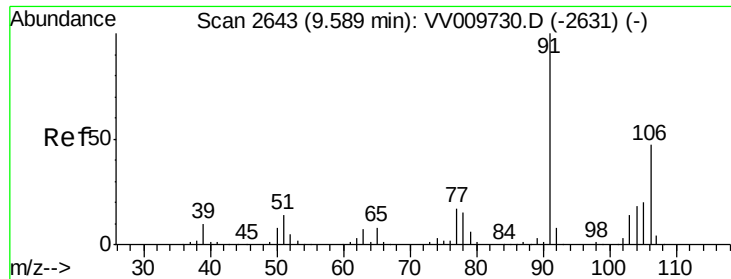
2000

0

9.15 9.20

Time-->

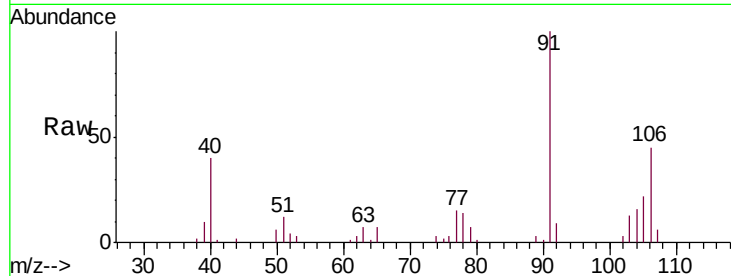




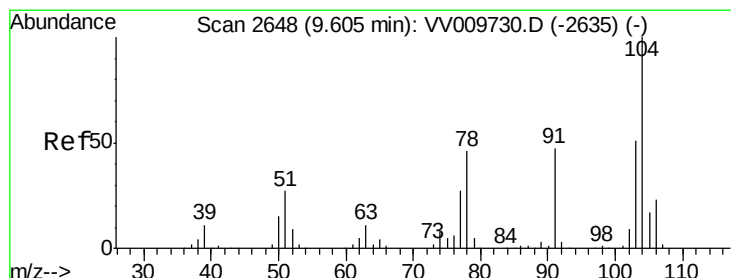
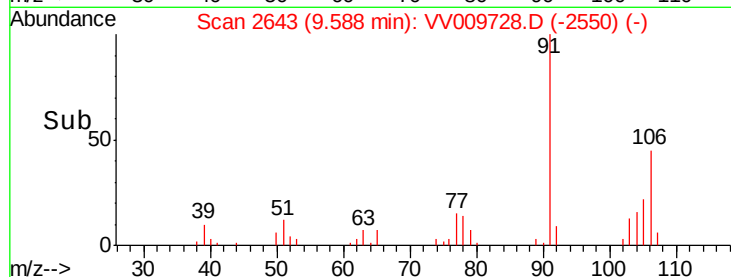
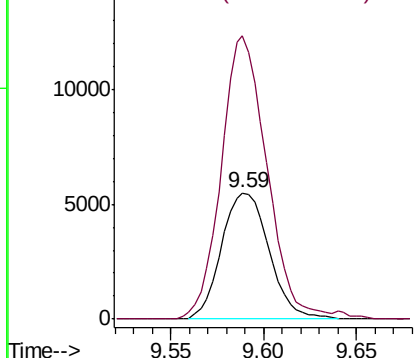
#54
o-Xylene
Concen: 5.303 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009728.D
Acq: 16 Mar 2019 14:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:106 Resp: 9825
Ion Ratio Lower Upper
106 100
91 223.9 148.3 275.5

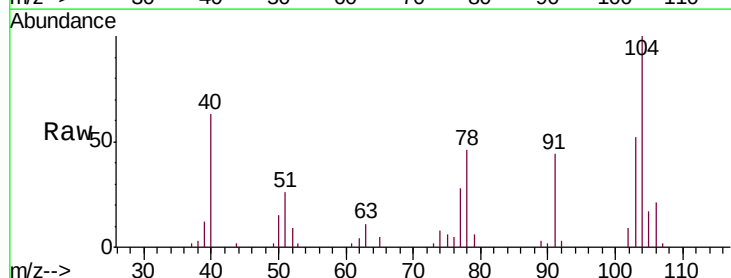


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

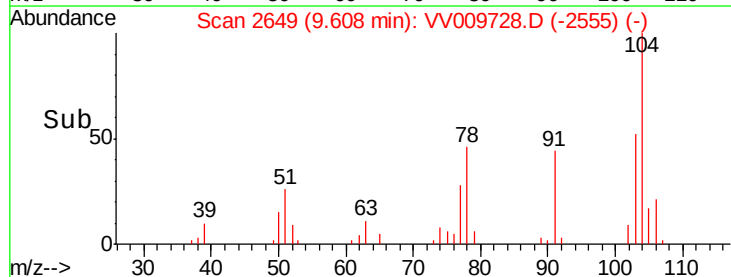
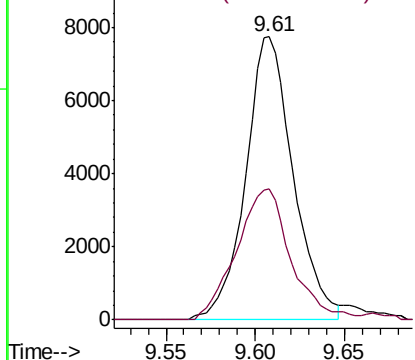


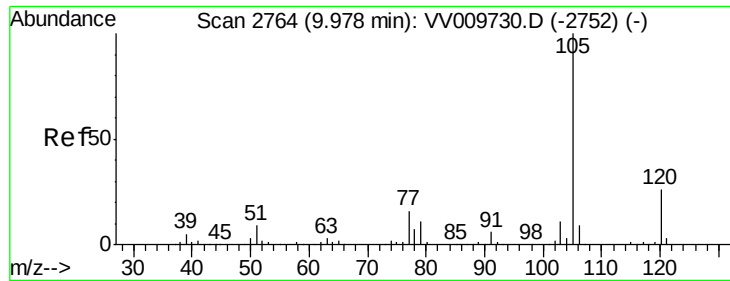
#55
Styrene
Concen: 4.829 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009728.D
Acq: 16 Mar 2019 14:24

Tgt Ion:104 Resp: 14429
Ion Ratio Lower Upper
104 100
78 46.2 32.5 60.3



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





#56

Isopropylbenzene

Concen: 5.135 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

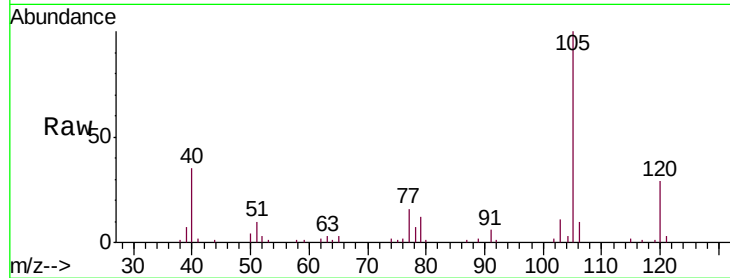
Tgt Ion: 105 Resp: 24726

Ion Ratio Lower Upper

105 100

120 27.4 21.1 31.7

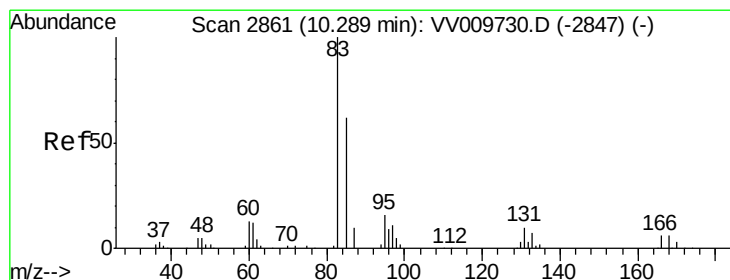
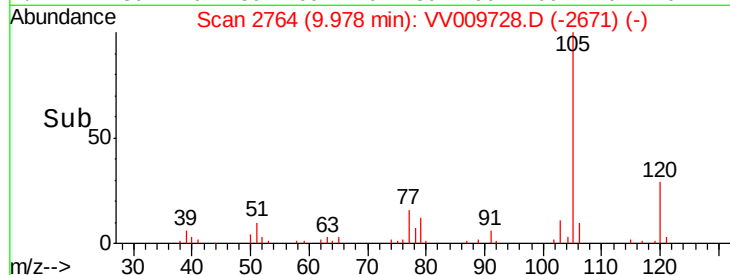
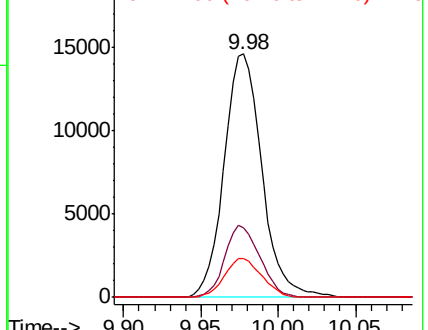
77 15.7 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): VV009728.D (-2761) (-)

Ion 120.00 (119.70 to 120.70): VV009728.D (-2761) (-)

Ion 77.00 (76.70 to 77.70): VV009728.D (-2761) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.564 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

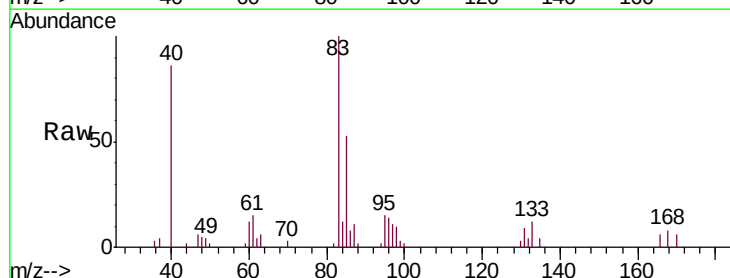
Tgt Ion: 83 Resp: 9552

Ion Ratio Lower Upper

83 100

85 53.1 43.5 80.9

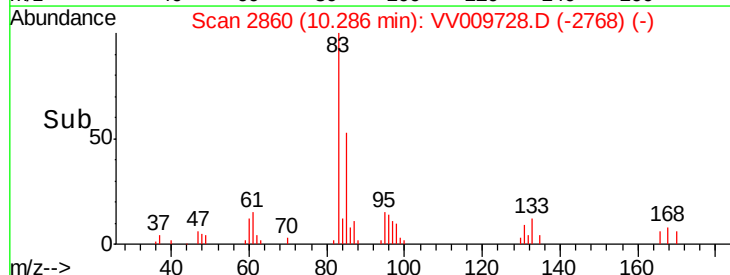
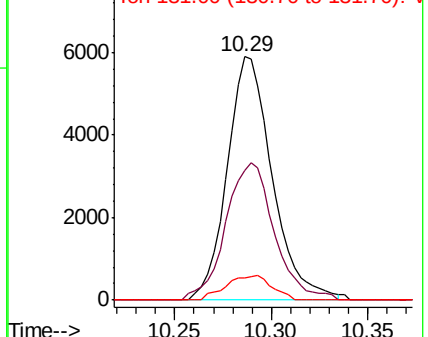
131 9.2 8.4 12.6

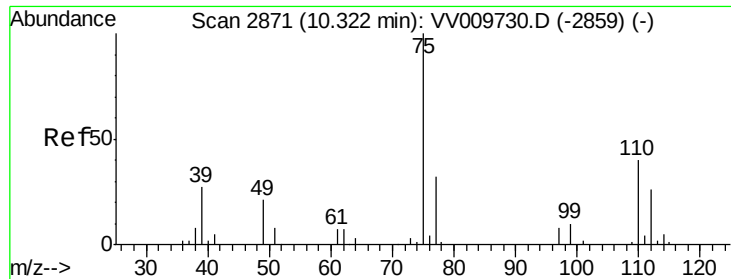


Abundance Ion 83.00 (82.70 to 83.70): VV009728.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV009728.D (-2768) (-)

Ion 131.00 (130.70 to 131.70): VV009728.D (-2768) (-)

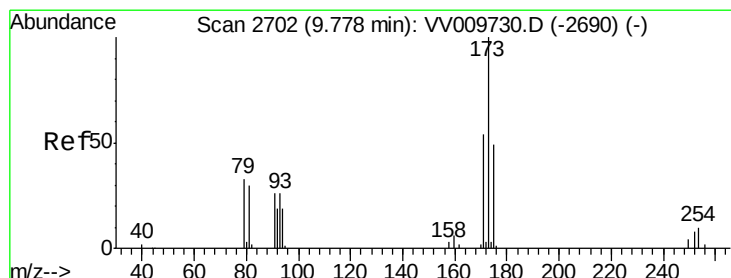
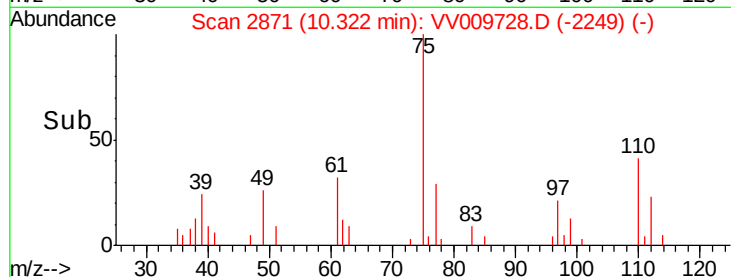
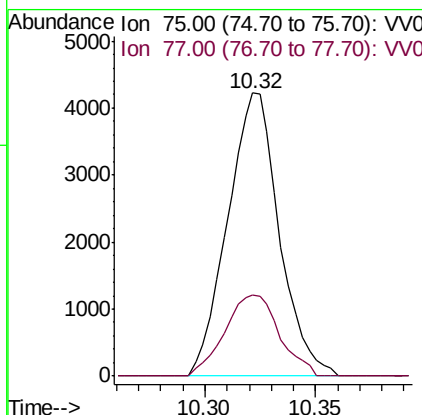
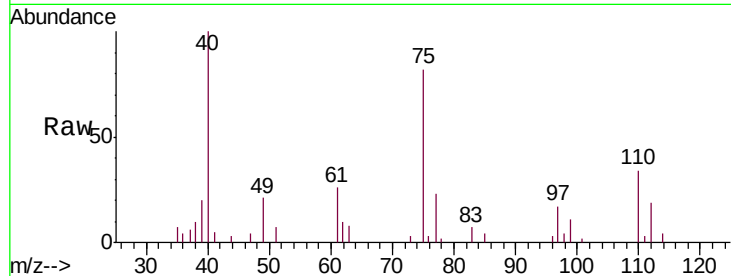




#59
 1,2,3-Trichloropropane
 Concen: 5.378 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

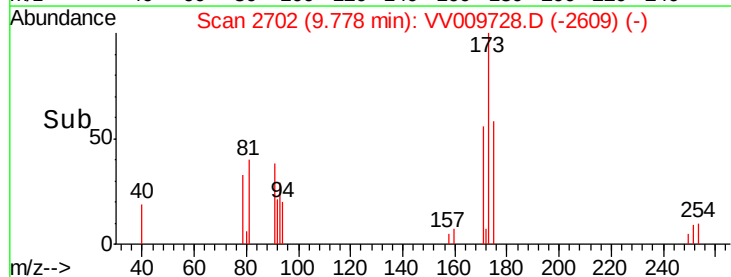
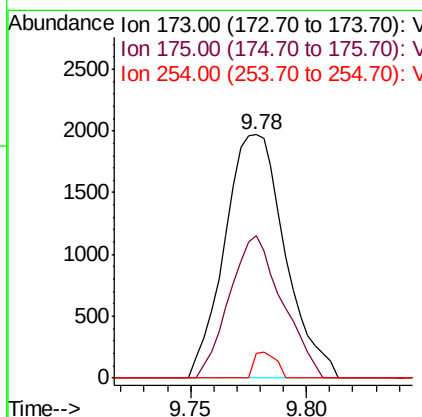
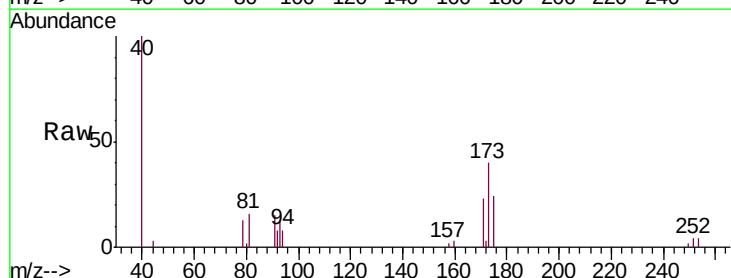
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

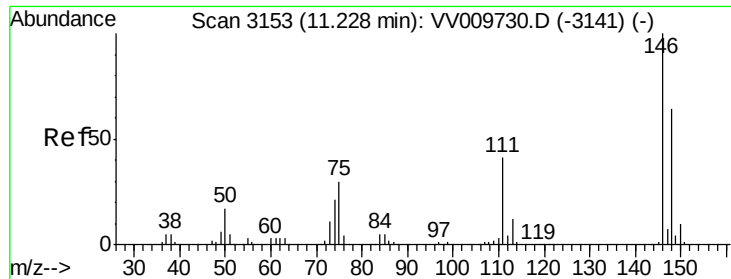
Tgt Ion: 75 Resp: 6842
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.2 39.4



#61
 Bromoform
 Concen: 5.480 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

Tgt Ion: 173 Resp: 3561
 Ion Ratio Lower Upper
 173 100
 175 51.1 38.6 58.0
 254 4.0 6.8 10.2#

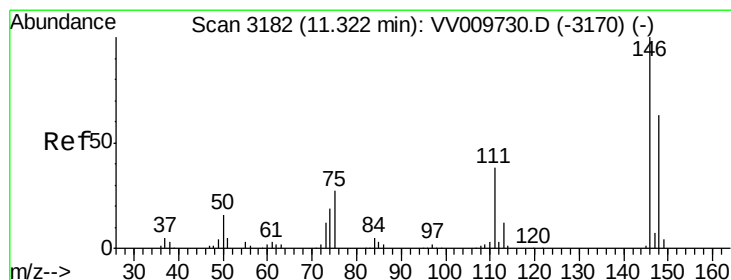
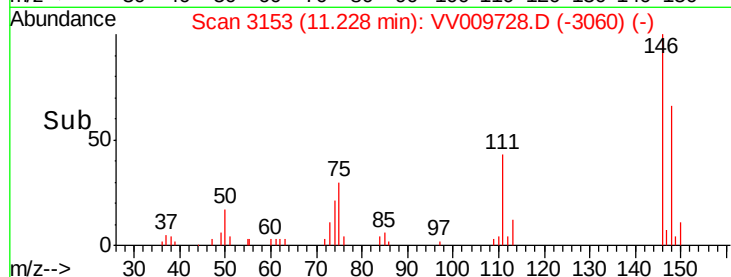
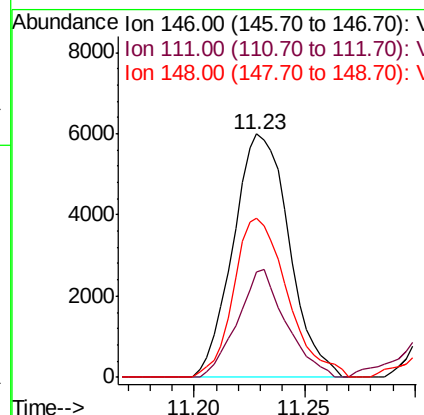
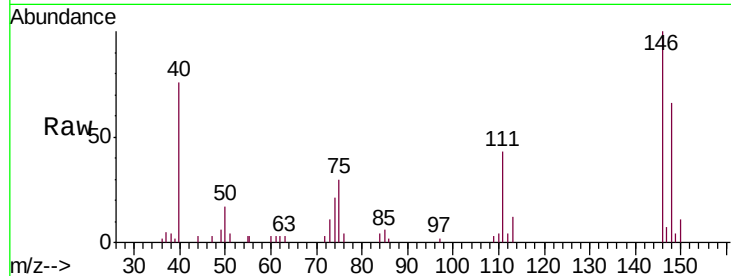




#62
 1,3-Dichlorobenzene
 Concen: 5.951 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

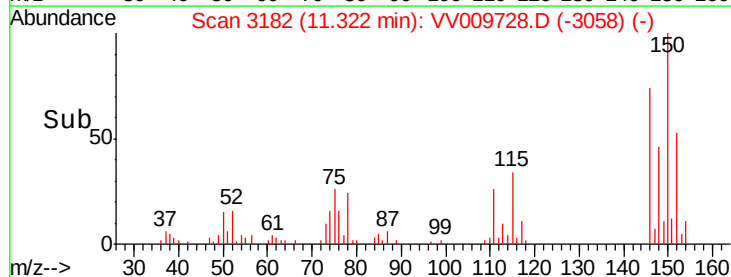
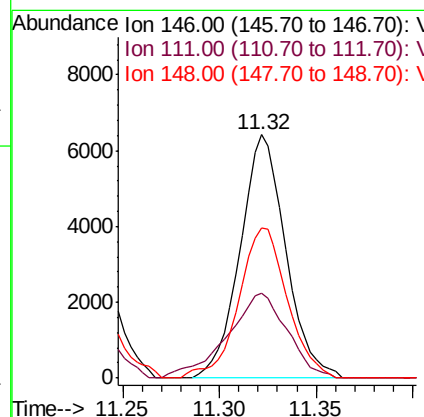
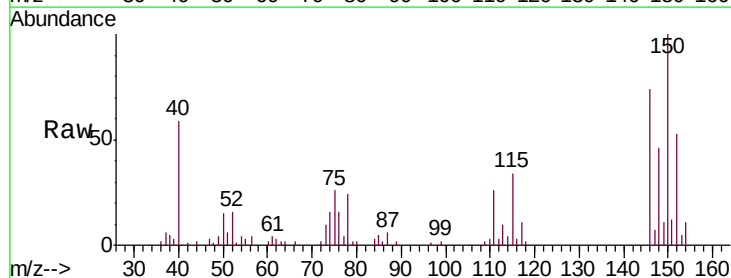
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

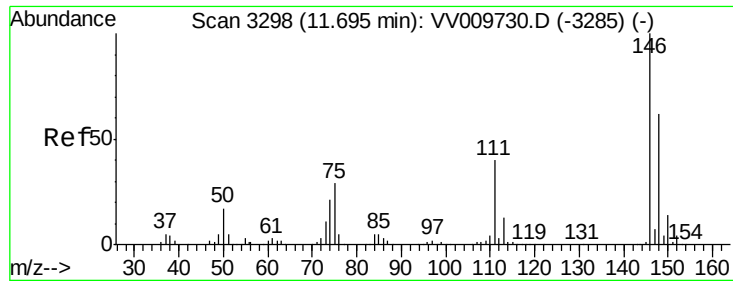
Tgt Ion:146 Resp: 10534
 Ion Ratio Lower Upper
 146 100
 111 43.4 28.8 53.4
 148 65.6 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 6.043 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

Tgt Ion:146 Resp: 10551
 Ion Ratio Lower Upper
 146 100
 111 34.8 26.7 49.5
 148 61.4 44.3 82.3

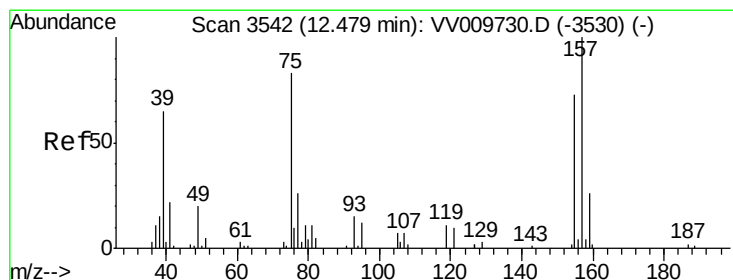
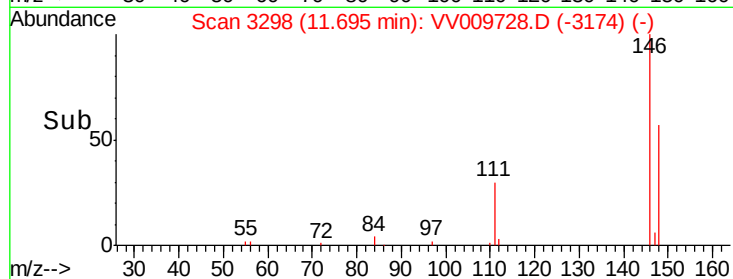
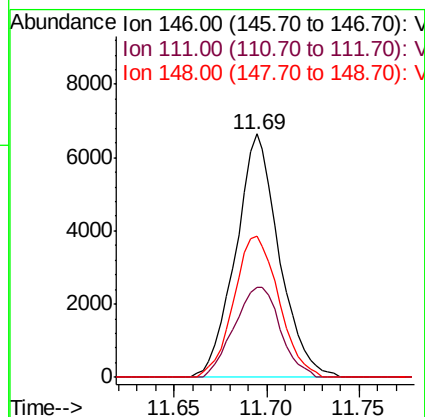
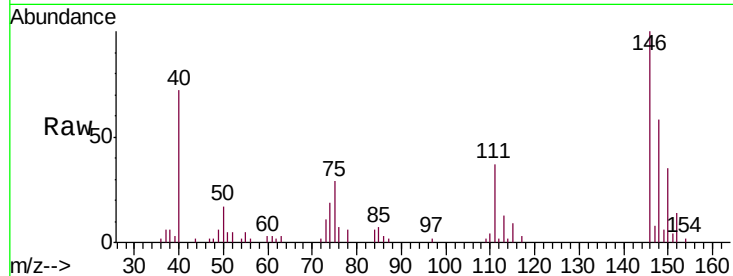




#65
 1,2-Dichlorobenzene
 Concen: 5.967 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

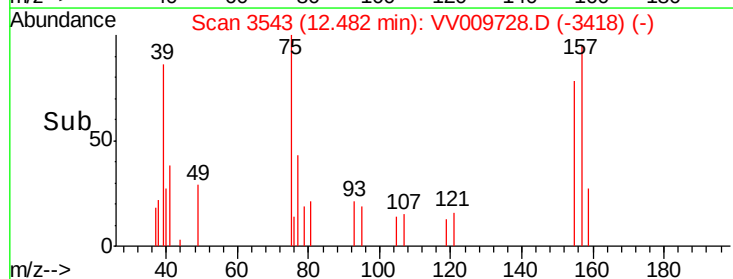
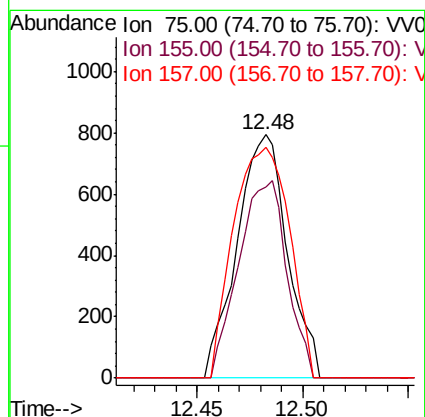
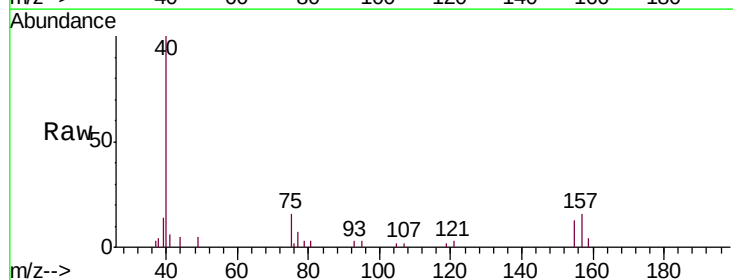
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

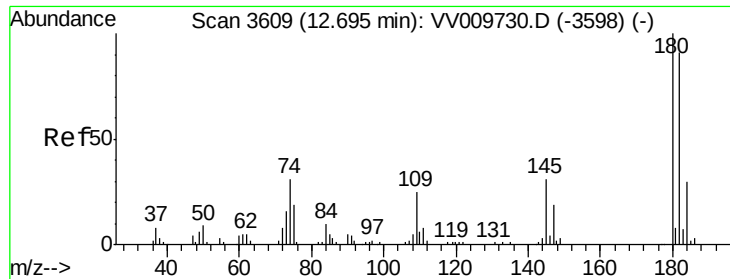
Tgt Ion: 146 Resp: 10798
 Ion Ratio Lower Upper
 146 100
 111 37.1 32.2 48.4
 148 57.8 49.6 74.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.870 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

Tgt Ion: 75 Resp: 1315
 Ion Ratio Lower Upper
 75 100
 155 78.3 70.3 105.5
 157 95.0 96.8 145.2#

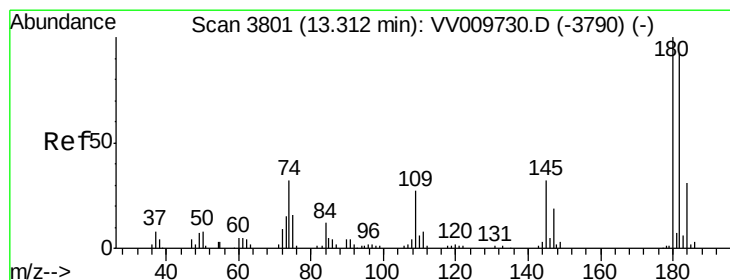
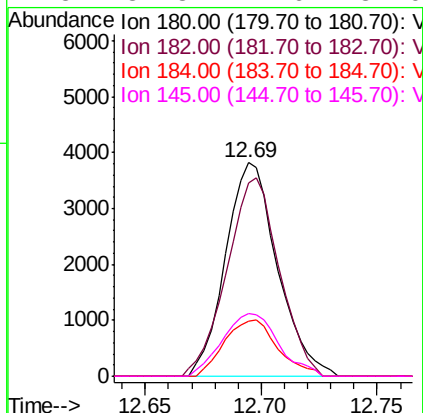
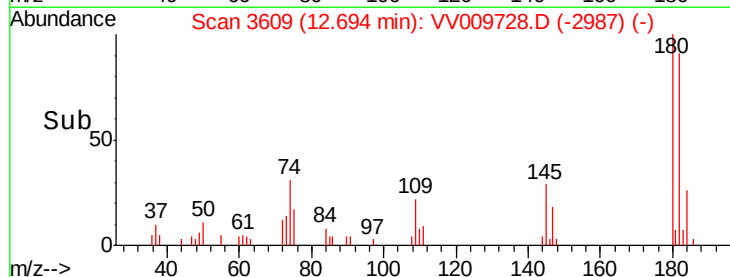
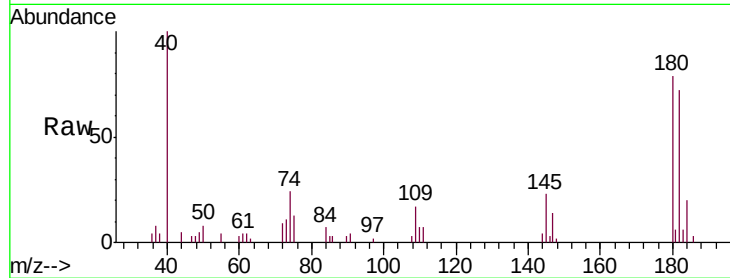




#67
 1,3,5-Trichlorobenzene
 Concen: 5.158 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

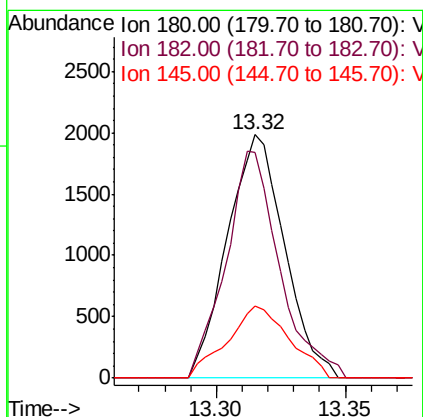
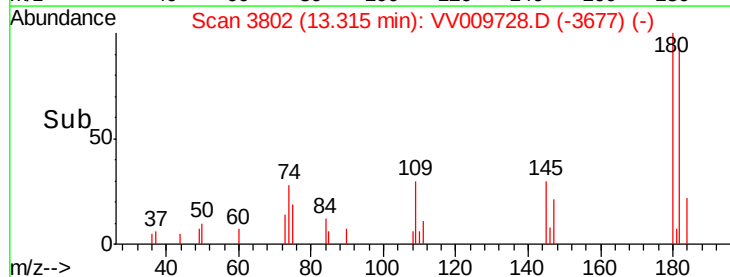
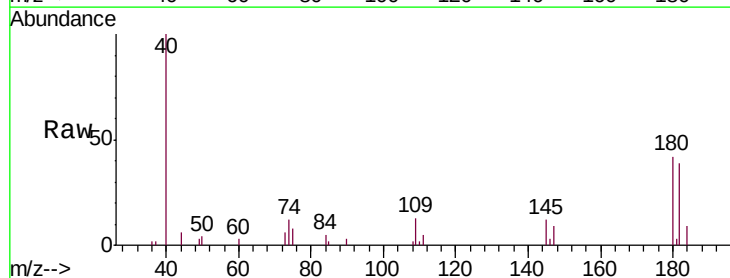
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

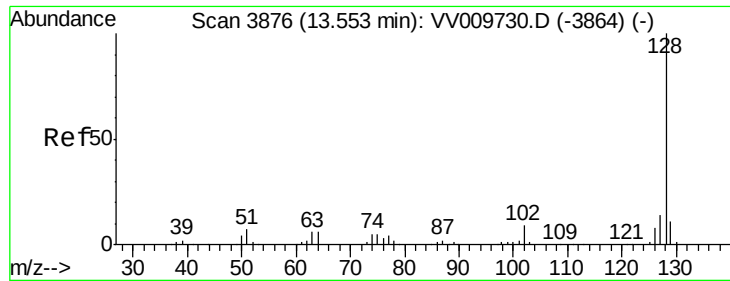
Tgt Ion:180 Resp: 5928
 Ion Ratio Lower Upper
 180 100
 182 93.6 73.9 110.9
 184 27.3 23.4 35.2
 145 31.8 24.6 37.0



#68
 1,2,4-trichlorobenzene
 Concen: 3.798 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009728.D
 Acq: 16 Mar 2019 14:24

Tgt Ion:180 Resp: 3059
 Ion Ratio Lower Upper
 180 100
 182 87.5 75.7 113.5
 145 32.1 25.3 37.9





#69

Naphthalene

Concen: 3.732 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

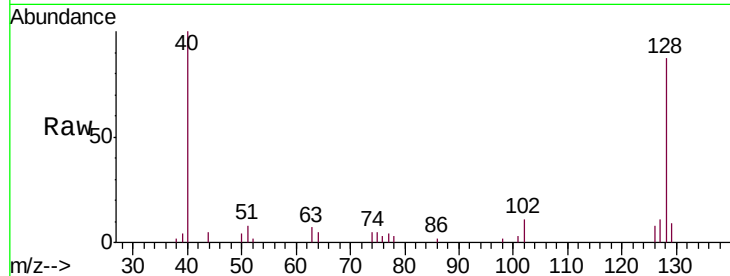
Tgt Ion:128 Resp: 8365

Ion Ratio Lower Upper

128 100

127 6.8 10.8 16.2#

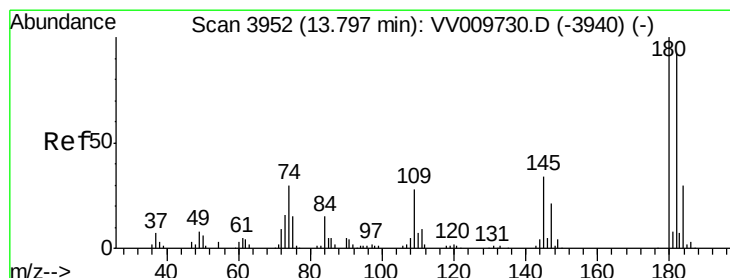
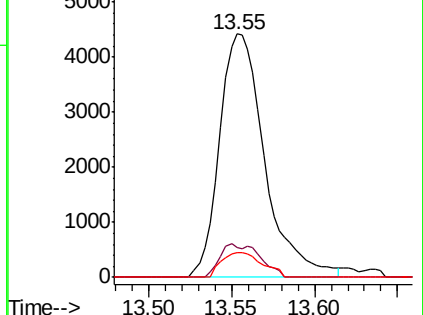
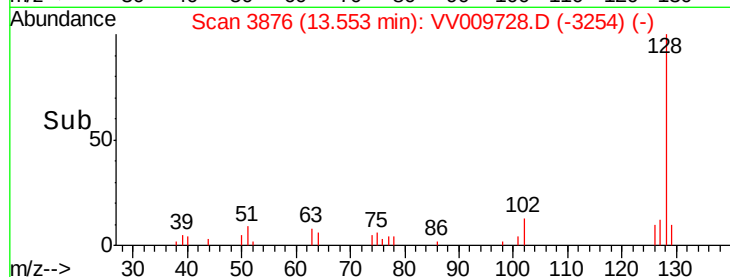
129 9.1 8.6 12.8



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: 3.436 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV009728.D

Acq: 16 Mar 2019 14:24

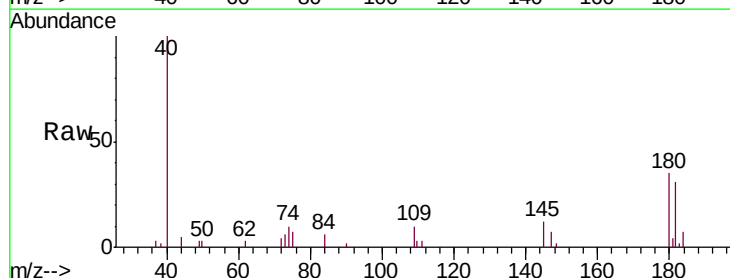
Tgt Ion:180 Resp: 2872

Ion Ratio Lower Upper

180 100

182 90.7 73.3 109.9

145 34.4 26.4 39.6



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

