

Data File : VV010960.D
Acq On : 20 May 2019 15:17
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02565

Quant Time: May 21 04:01:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Mon May 20 14:36:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	146238	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145142	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74315	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39395	23.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.52%
7) Chloroethane-d5	1.56	69	25644	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
10) 1,1-Dichloroethene-d2	2.12	63	76141	23.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.00%
20) 2-Butanone-d5	3.94	46	29212	50.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.56%
24) Chloroform-d	4.40	84	91741	24.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	5.08	65	49572	22.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.84%
29) Benzene-d6	5.09	84	193165	24.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.52%
33) 1,2-Dichloropropane-d6	6.12	67	58987	23.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.72%
37) Toluene-d8	7.36	98	182403	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.04%
38) trans-1,3-Dichloropropene-	7.66	79	25258	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.72%
39) 2-Hexanone-d5	8.13	63	21170	45.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54862	21.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	68928	22.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	54877	25.418	ug/L 99
3) Chloromethane	1.25	50	47812	24.449	ug/L 98
5) Vinyl chloride	1.32	62	50455	25.688	ug/L 98
6) Bromomethane	1.51	94	18776	27.416	ug/L 98
8) Chloroethane	1.58	64	24274	24.698	ug/L 95
9) Trichlorofluoromethane	1.76	101	80929	25.852	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	47099	26.384	ug/L 98
12) 1,1-Dichloroethene	2.13	96	39999	25.919	ug/L 95
13) Acetone	2.19	43	25651	46.238	ug/L 97
14) Carbon disulfide	2.31	76	107367	24.844	ug/L 99
15) Methyl Acetate	2.46	43	26072	24.460	ug/L 96
16) Methylene chloride	2.53	84	61644	24.562	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	140929	25.809	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	54645	25.668	ug/L 96
19) 1,1-Dichloroethane	3.22	63	102172	26.358	ug/L 96
21) 2-Butanone	4.02	43	35604	46.899	ug/L 93
22) cis-1,2-Dichloroethene	3.96	96	62256	26.264	ug/L 99

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Quant Title : VOC Analysis
QLast Update : Mon May 20 14:36:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	28811	25.648	ug/L	96
25) Chloroform	4.42	83	112294	25.601	ug/L	100
27) 1,2-Dichloroethane	5.18	62	68810	25.520	ug/L	96
30) Cyclohexane	4.72	56	83589	27.716	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	90887	27.837	ug/L	100
32) Carbon tetrachloride	4.87	117	80943	27.186	ug/L	99
34) Benzene	5.14	78	229621	27.444	ug/L	100
35) Trichloroethene	5.95	95	62517	27.043	ug/L	99
36) Methylcyclohexane	6.17	83	100351	29.363	ug/L	99
40) 1,2-Dichloropropane	6.22	63	60531	27.528	ug/L	100
41) Bromodichloromethane	6.55	83	76848	26.148	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	91718	28.023	ug/L	93
43) 4-Methyl-2-pentanone	7.27	43	75009	47.587	ug/L	99
44) Toluene	7.43	91	260892	28.098	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	74419	26.992	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	49662	26.505	ug/L	97
47) Tetrachloroethene	8.02	164	48700	26.988	ug/L	100
49) 2-Hexanone	8.18	43	56428	49.031	ug/L	98
50) Dibromochloromethane	8.29	129	56649	25.687	ug/L	99
51) 1,2-Dibromoethane	8.40	107	46268	25.535	ug/L	97
52) Chlorobenzene	8.92	112	169135	26.576	ug/L	96
53) Ethylbenzene	9.05	91	286536	28.321	ug/L	100
54) m,p-Xylene	9.18	106	111828	28.360	ug/L	98
55) o-xylene	9.59	106	109732	29.168	ug/L	99
56) Styrene	9.60	104	188676	29.100	ug/L	99
57) Isopropylbenzene	9.97	105	289213	29.141	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	62397	25.291	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	45305	24.998	ug/L	98
62) Bromoform	9.77	173	31917	24.194	ug/L	97
63) 1,3-Dichlorobenzene	11.22	146	132131	26.068	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	138192	26.473	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	130266	26.505	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9323	23.879	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	101762	27.368	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	84310	28.689	ug/L	99
69) Naphthalene	13.55	128	165600	28.110	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	80400	28.023	ug/L	99

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

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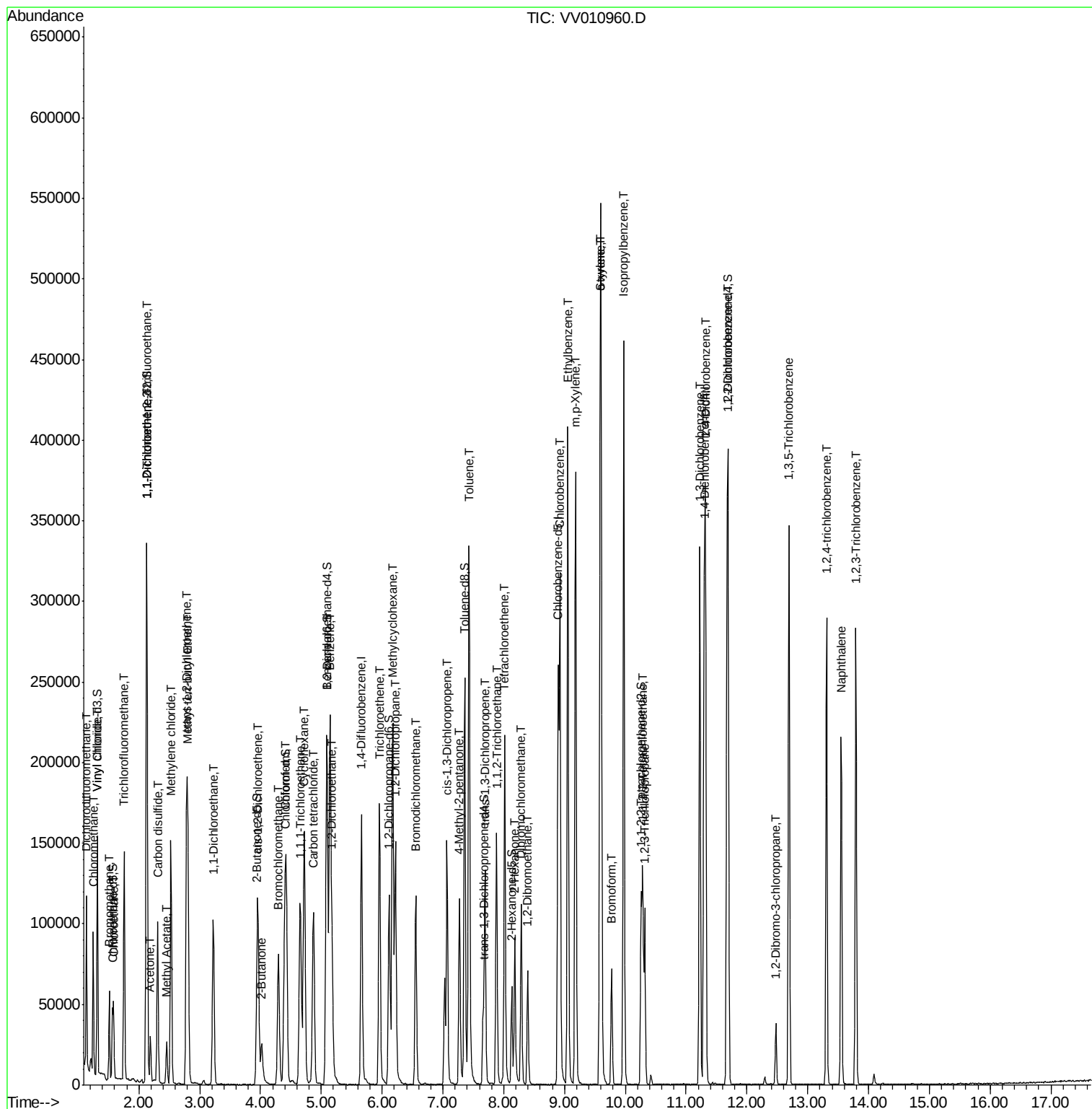
Quant Time: May 21 04:01:40 2019

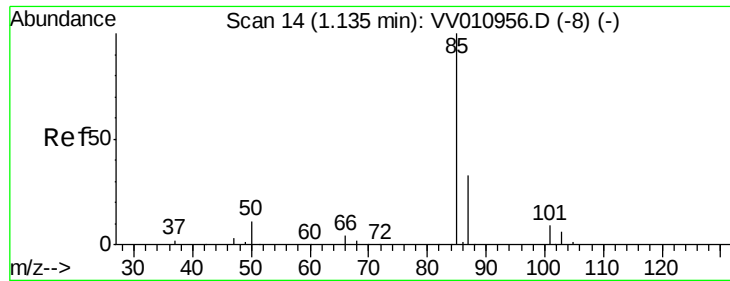
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM052019S.M

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.418 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

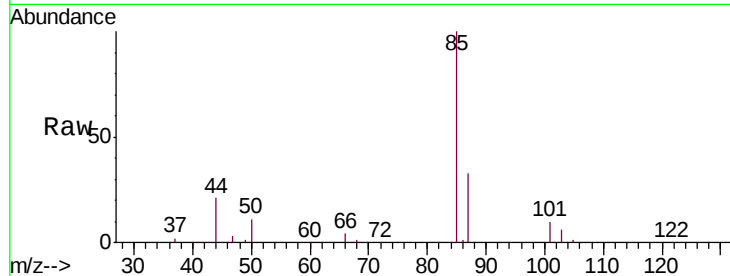
VSTD02565

Tgt Ion: 85 Resp: 54877

Ion Ratio Lower Upper

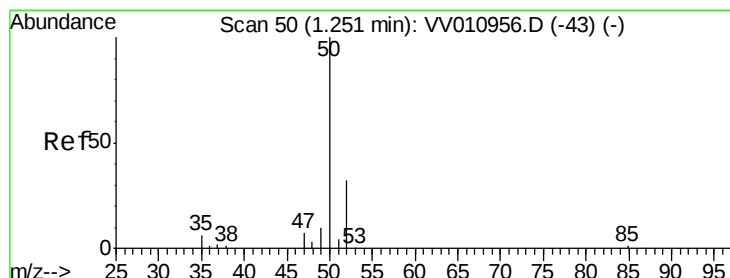
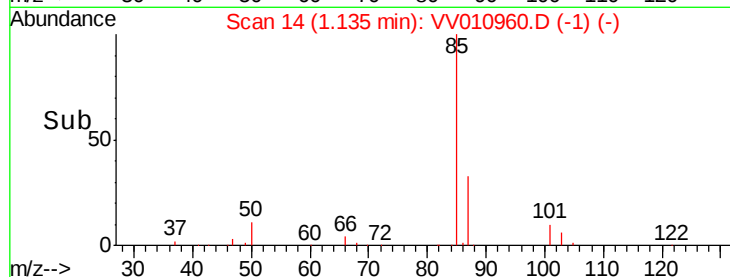
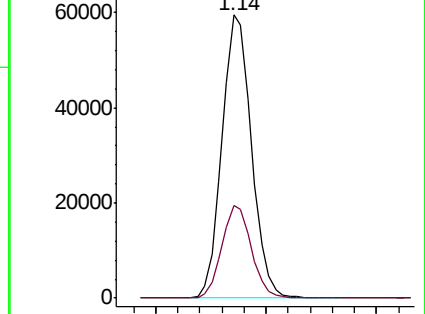
85 100

87 32.6 23.2 43.2



Abundance Ion 85.00 (84.70 to 85.70): VV010956.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010956.D (-8) (-)



#3

Chloromethane

Concen: 24.449 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV010960.D

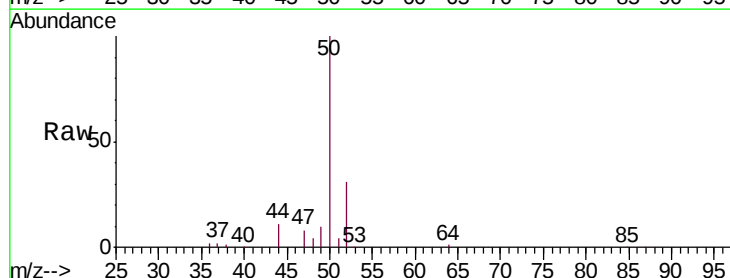
Acq: 20 May 2019 15:17

Tgt Ion: 50 Resp: 47812

Ion Ratio Lower Upper

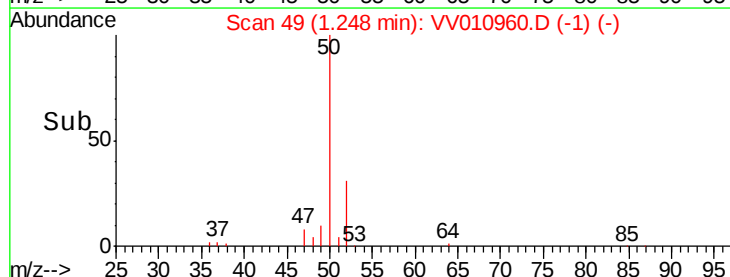
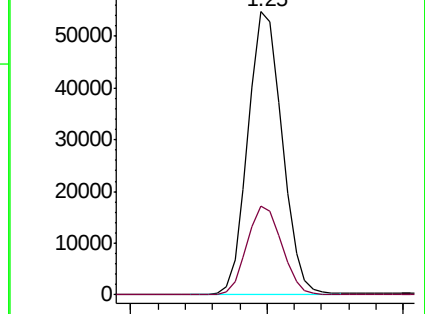
50 100

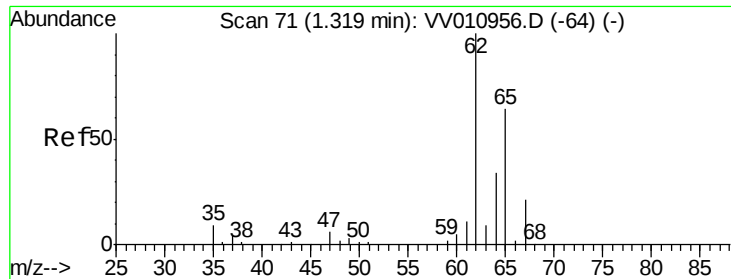
52 31.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV010956.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV010956.D (-43) (-)





#5

Vinyl chloride

Concen: 25.688 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

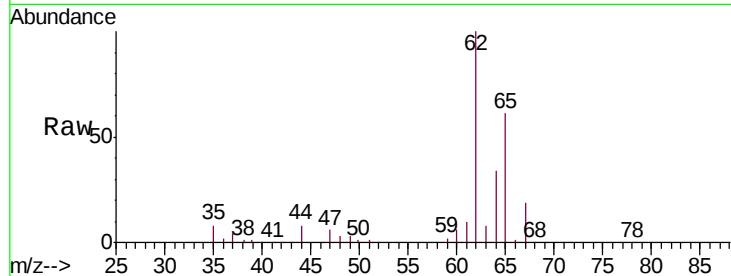
VSTD02565

Tgt Ion: 62 Resp: 50455

Ion Ratio Lower Upper

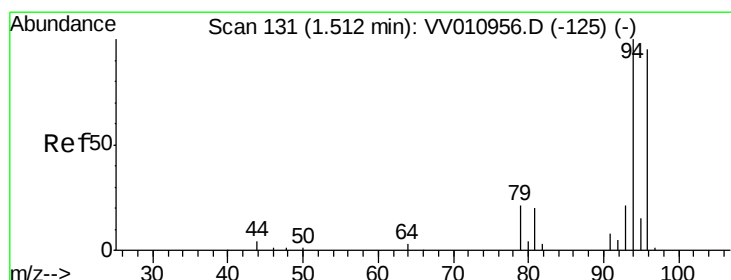
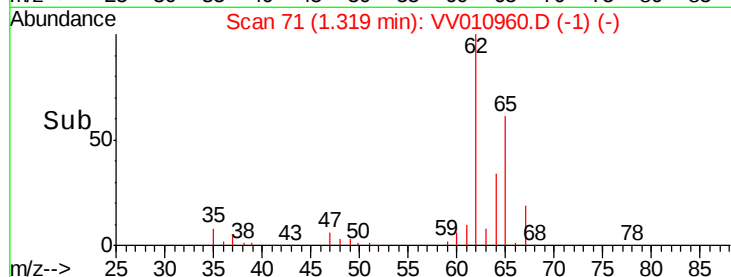
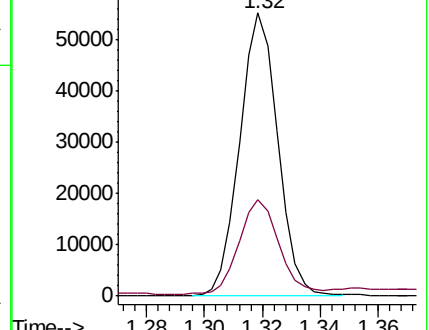
62 100

64 34.1 24.5 45.5



Abundance Ion 62.00 (61.70 to 62.70): VV010956.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV010956.D (-64) (-)



#6

Bromomethane

Concen: 27.416 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV010960.D

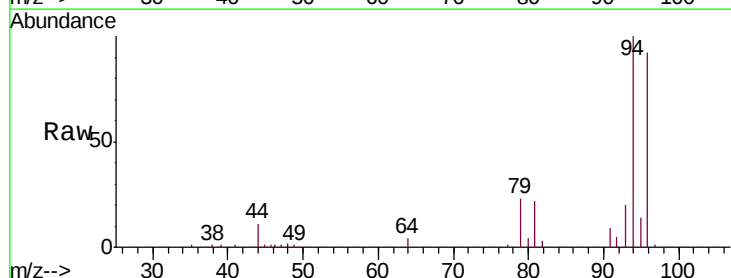
Acq: 20 May 2019 15:17

Tgt Ion: 94 Resp: 18776

Ion Ratio Lower Upper

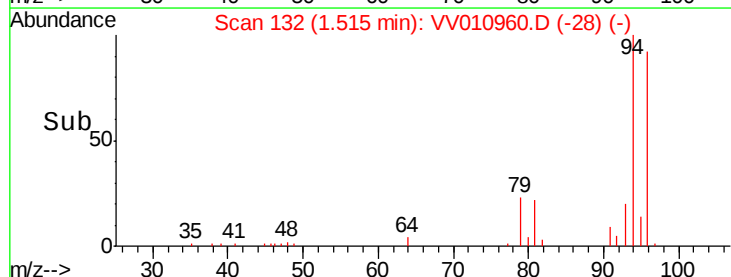
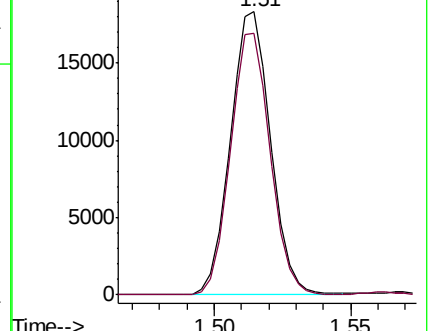
94 100

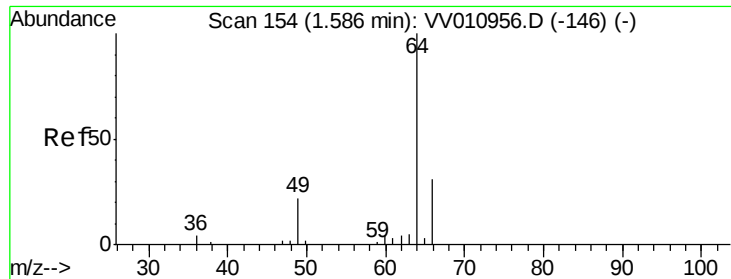
96 91.1 9.3 177.7



Abundance Ion 94.00 (93.70 to 94.70): VV010956.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV010956.D (-125) (-)





#8

Chloroethane

Concen: 24.698 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

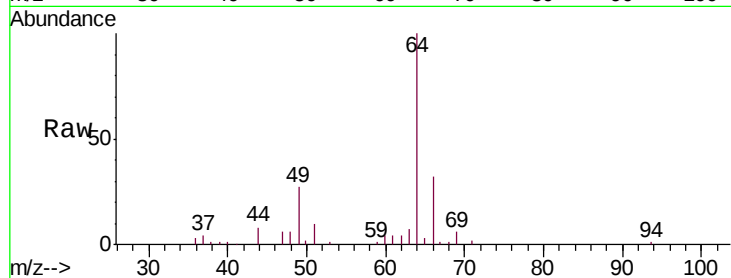
VSTD02565

Tgt Ion: 64 Resp: 24274

Ion Ratio Lower Upper

64 100

66 31.6 20.4 37.8



Abundance Ion 64.00 (63.70 to 64.70): VV010956.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV010956.D (-146) (-)

1.58

25000

20000

15000

10000

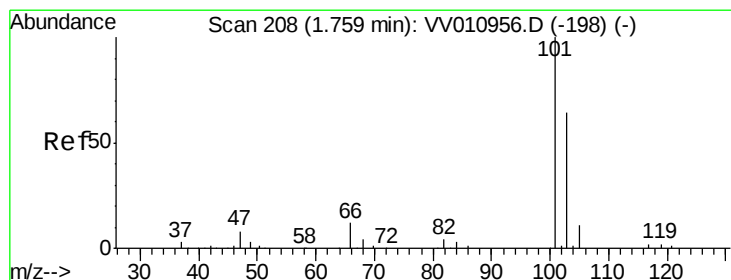
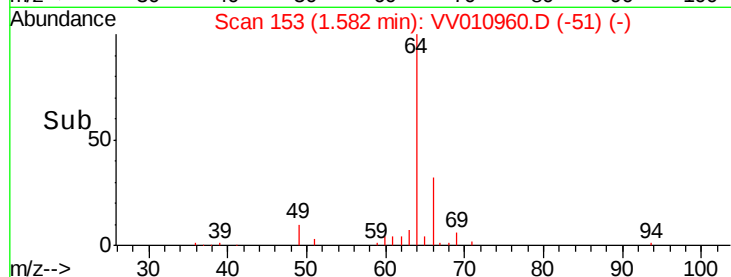
5000

0

Time-->

1.55

1.60



#9

Trichlorofluoromethane

Concen: 25.852 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV010960.D

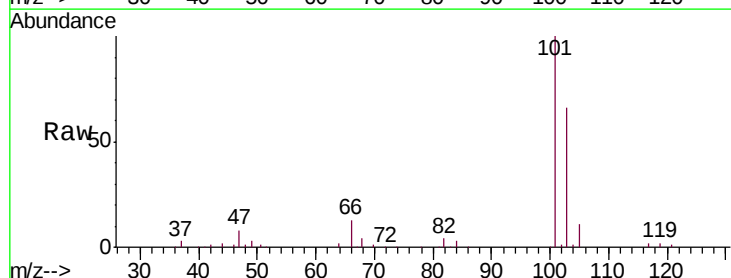
Acq: 20 May 2019 15:17

Tgt Ion: 101 Resp: 80929

Ion Ratio Lower Upper

101 100

103 66.5 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): VV010956.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV010956.D (-198) (-)

1.76

60000

40000

20000

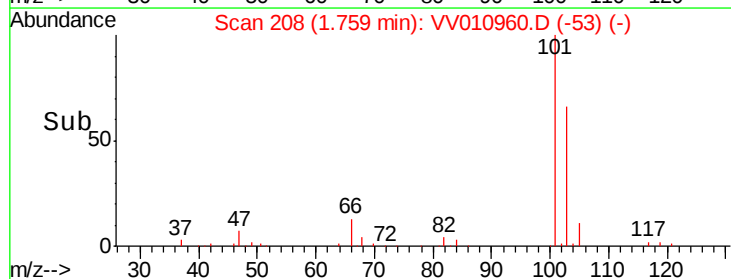
0

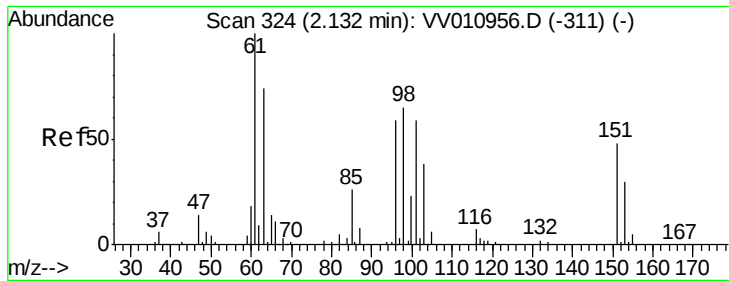
Time-->

1.70

1.75

1.80





#11

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

Concen: 26.384 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

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ClientSampleId :

VSTD02565

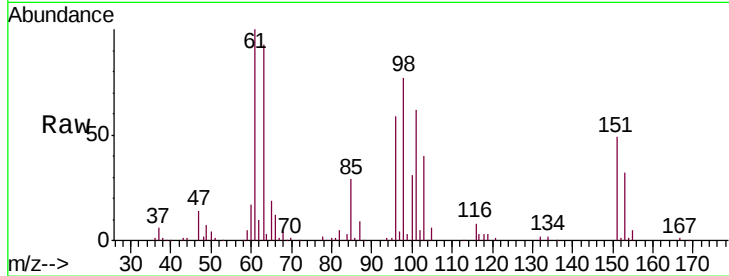
Tgt Ion:101 Resp: 47099

Ion Ratio Lower Upper

101 100

85 43.7 33.9 50.9

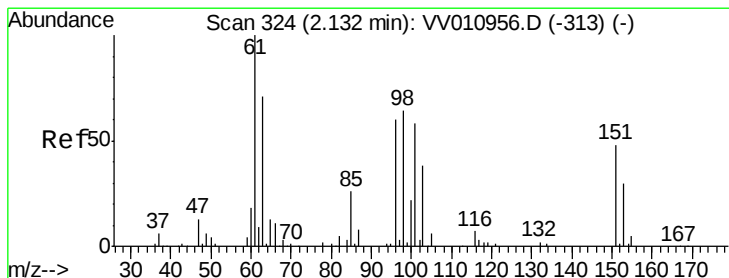
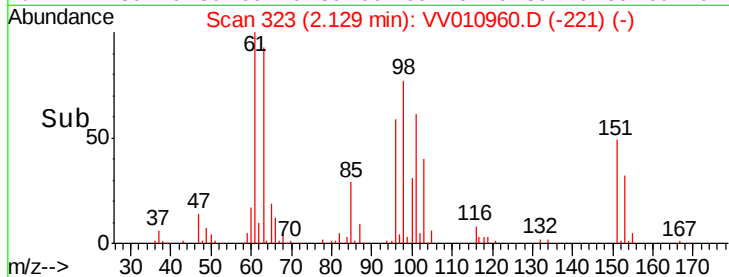
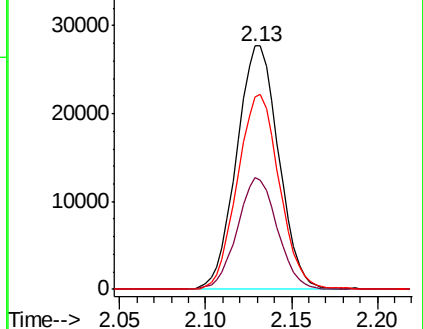
151 79.6 64.7 97.1



Abundance Ion 101.00 (100.70 to 101.70): VV010956.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV010956.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV010956.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 25.919 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

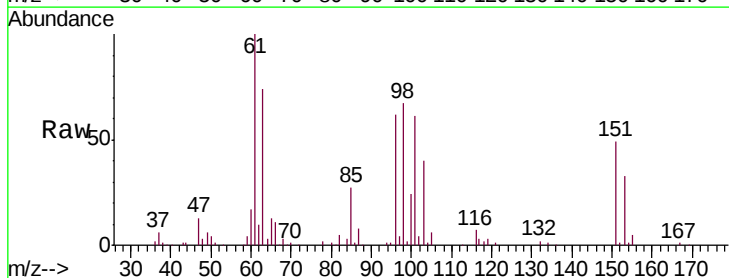
Tgt Ion: 96 Resp: 39999

Ion Ratio Lower Upper

96 100

61 161.2 117.8 218.8

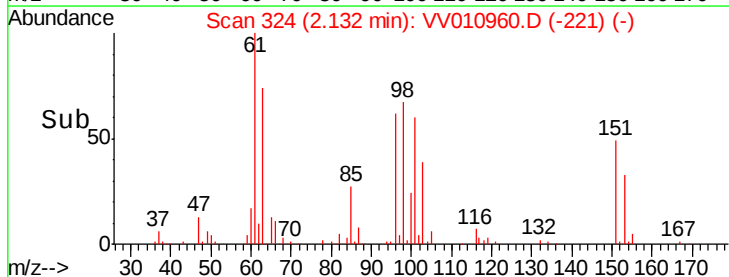
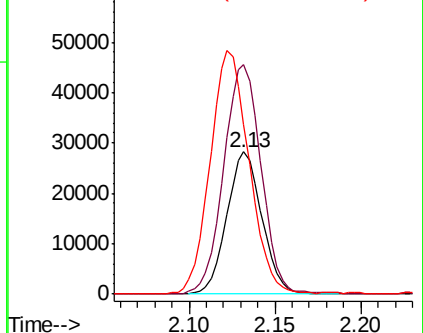
63 118.8 87.1 161.7

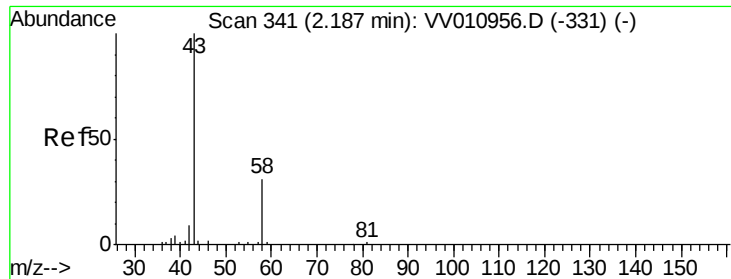


Abundance Ion 96.00 (95.70 to 96.70): VV010956.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV010956.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV010956.D (-313) (-)





#13

Acetone

Concen: 46.238 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

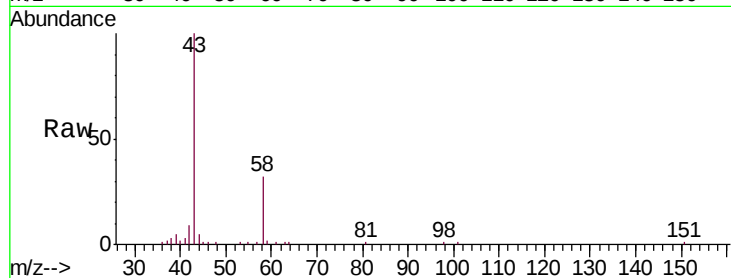
VSTD02565

Tgt Ion: 43 Resp: 25651

Ion Ratio Lower Upper

43 100

58 31.9 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV010956.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010956.D (-331) (-)

20000

15000

10000

5000

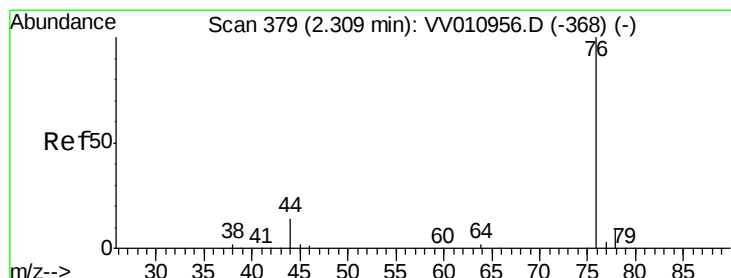
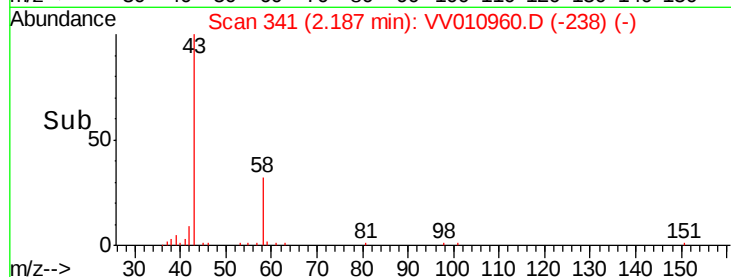
0

2.15

2.20

2.25

Time-->



#14

Carbon disulfide

Concen: 24.844 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV010960.D

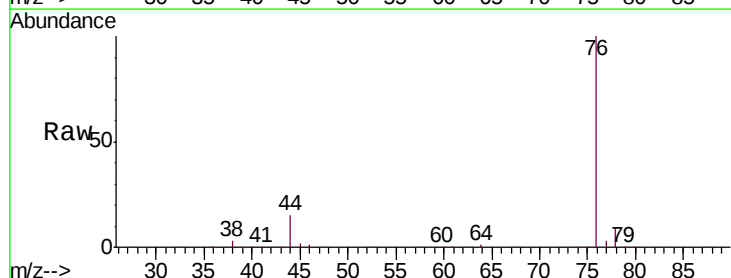
Acq: 20 May 2019 15:17

Tgt Ion: 76 Resp: 107367

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV010956.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010956.D (-368) (-)

80000

60000

40000

20000

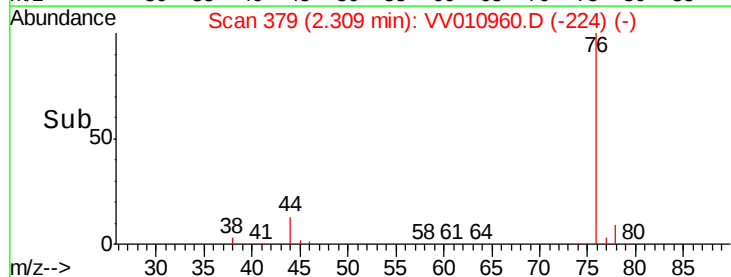
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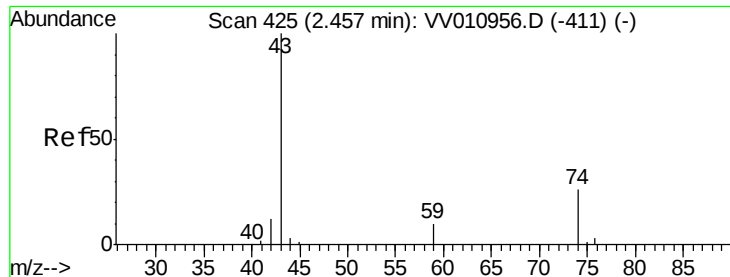
2.25

2.30

2.35

Time-->

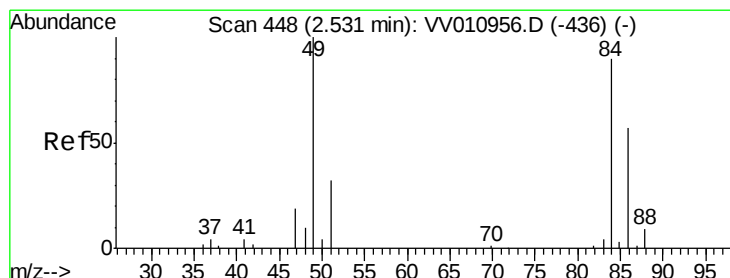
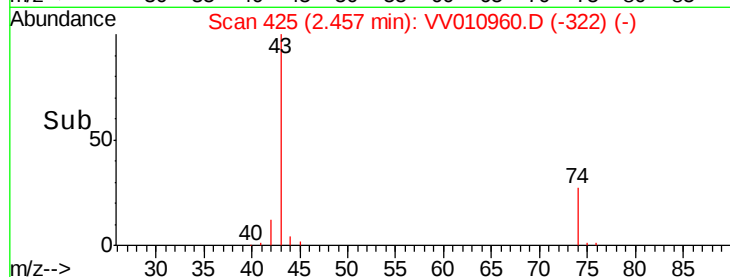
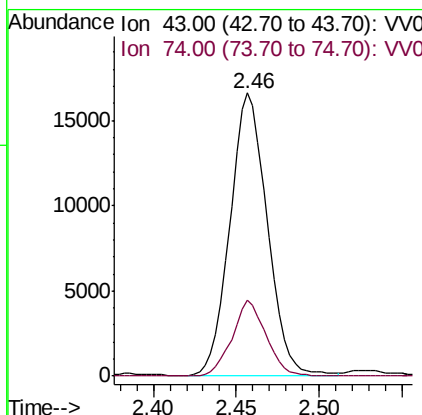
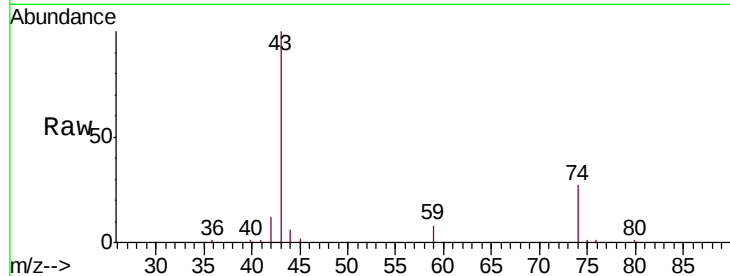




#15
Methyl Acetate
Concen: 24.460 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV010960.D
Acq: 20 May 2019 15:17

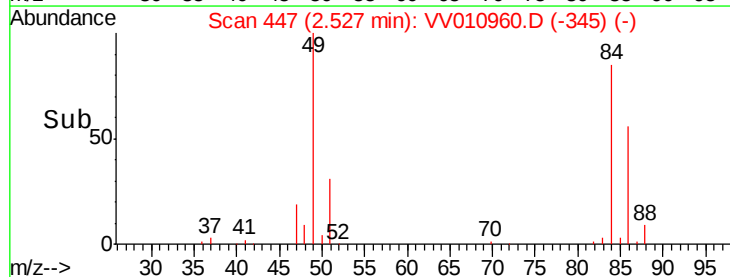
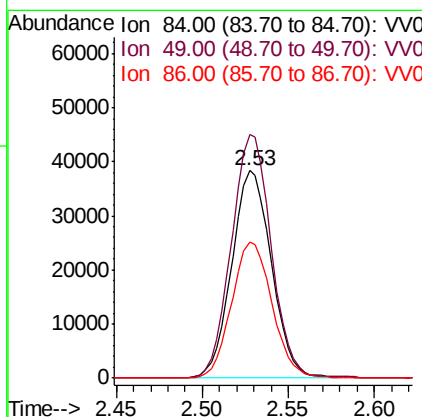
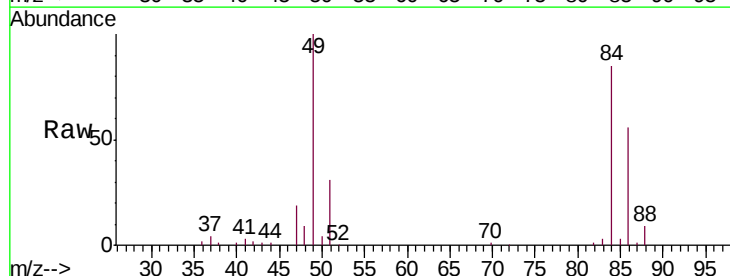
Instrument :
MSVOA_V
ClientSampleId :
VSTD02565

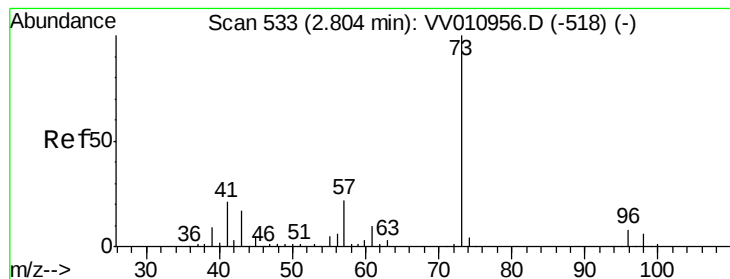
Tgt Ion: 43 Resp: 26072
Ion Ratio Lower Upper
43 100
74 24.2 21.1 31.7



#16
Methylene chloride
Concen: 24.562 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV010960.D
Acq: 20 May 2019 15:17

Tgt Ion: 84 Resp: 61644
Ion Ratio Lower Upper
84 100
49 117.2 77.4 143.8
86 65.5 44.0 81.6



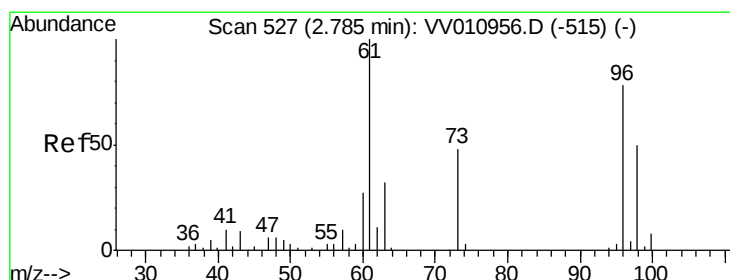
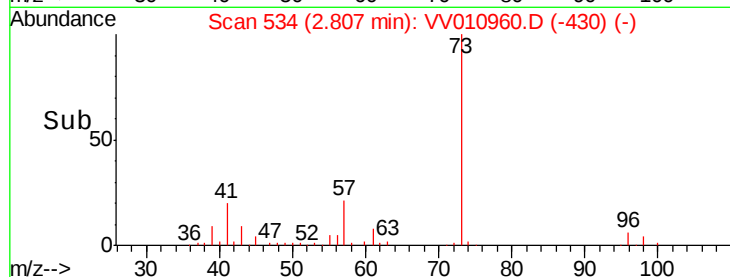
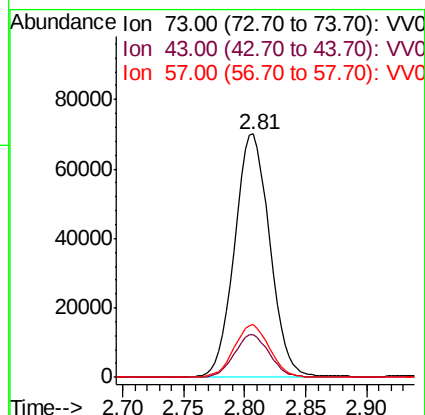
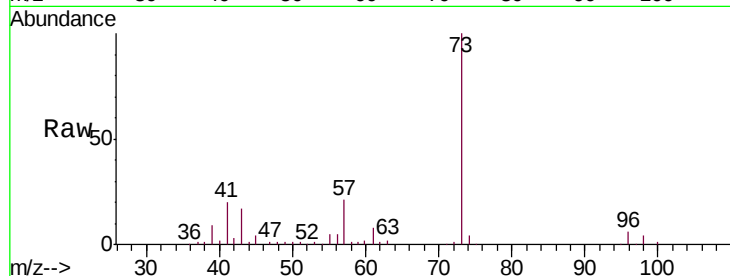


#17

Methyl tert-butyl Ether
 Concen: 25.809 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

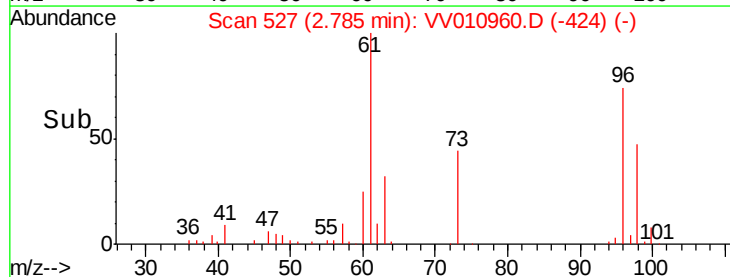
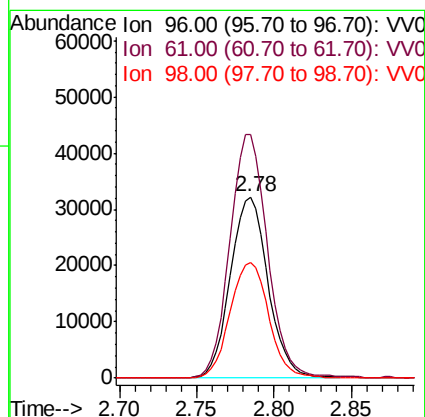
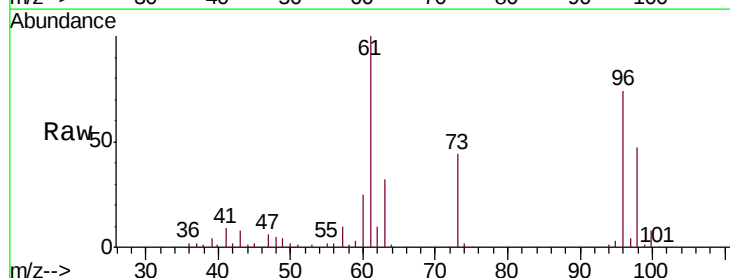
Tgt Ion: 73 Resp: 140929
 Ion Ratio Lower Upper
 73 100
 43 17.5 14.5 21.7
 57 21.7 17.3 25.9

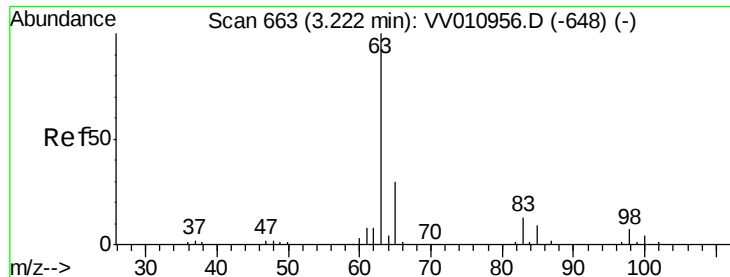


#18

trans-1,2-Dichloroethene
 Concen: 25.668 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Tgt Ion: 96 Resp: 54645
 Ion Ratio Lower Upper
 96 100
 61 134.6 89.7 166.5
 98 63.9 44.5 82.7

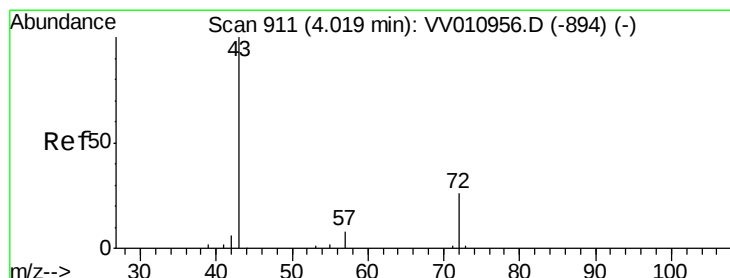
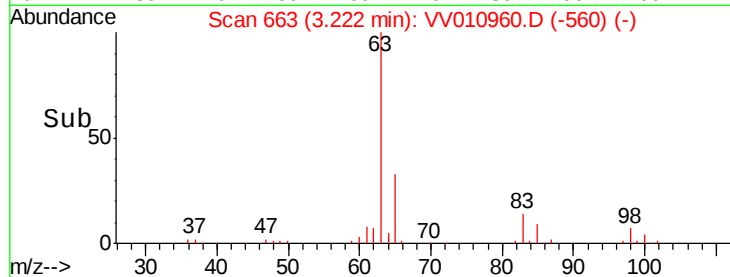
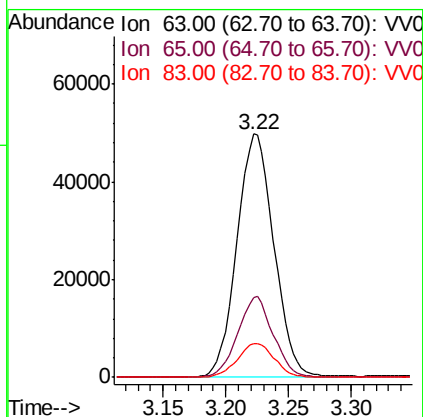
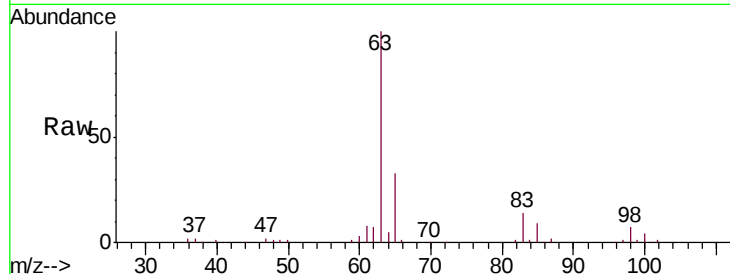




#19
 1,1-Dichloroethane
 Concen: 26.358 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

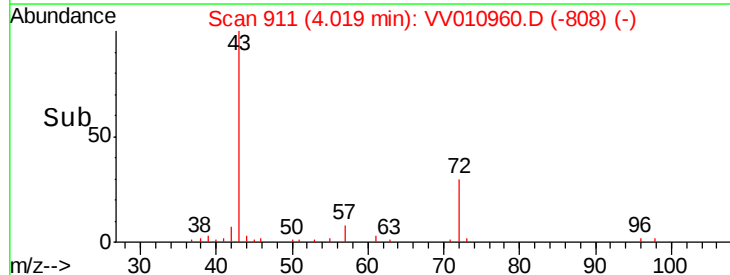
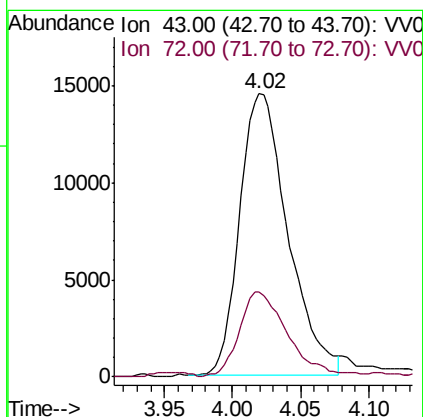
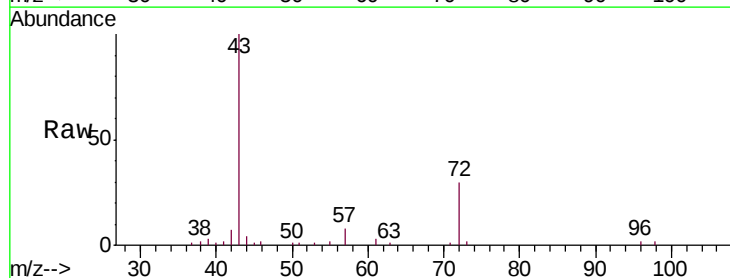
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

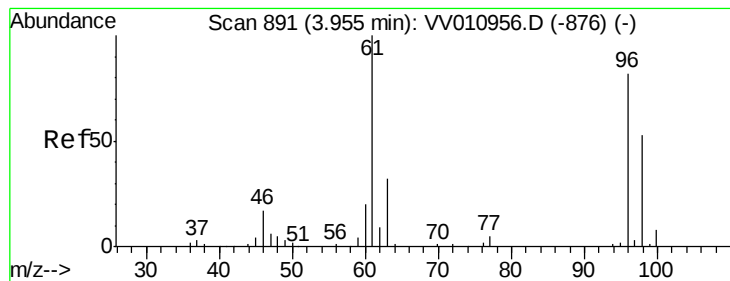
Tgt Ion: 63 Resp: 102172
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.1 39.3
 83 13.9 9.1 16.9



#21
 2-Butanone
 Concen: 46.899 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Tgt Ion: 43 Resp: 35604
 Ion Ratio Lower Upper
 43 100
 72 29.8 13.1 39.3



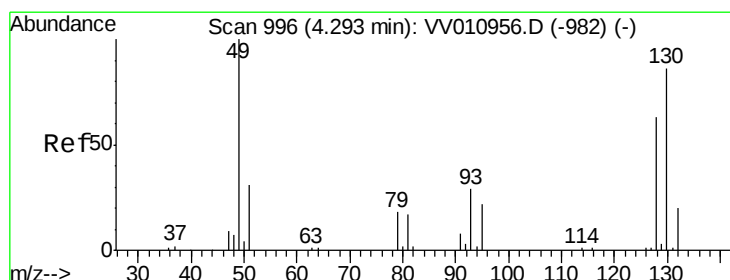
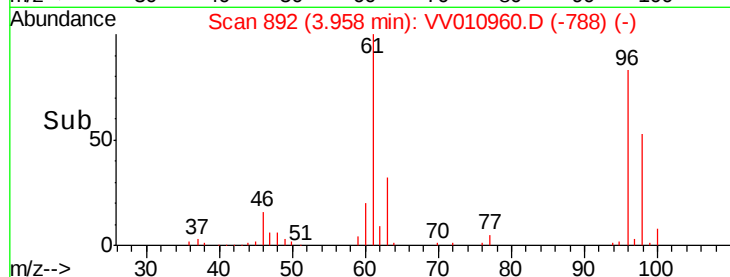
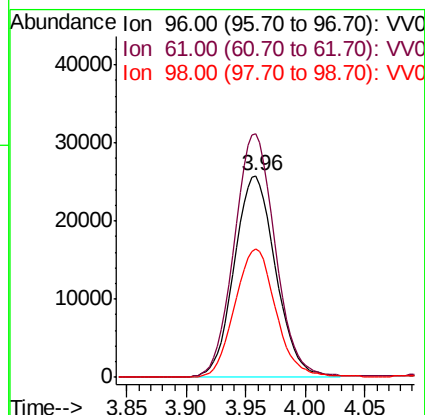
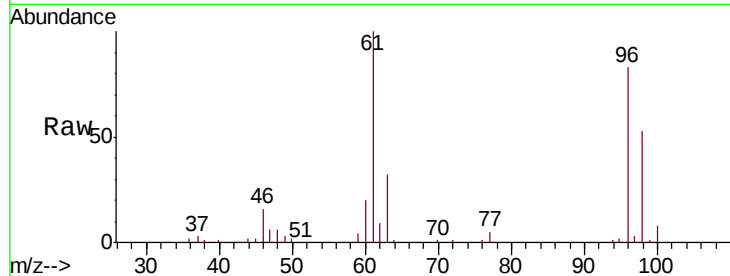


#22

cis-1,2-Dichloroethene
 Concen: 26.264 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

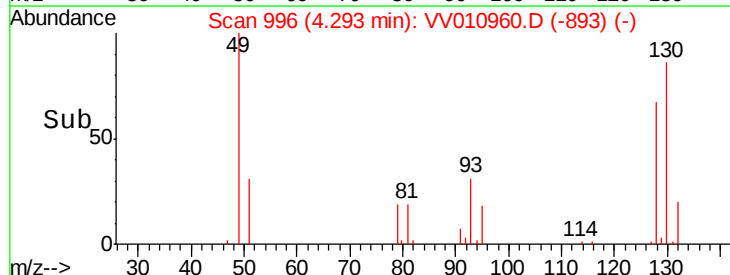
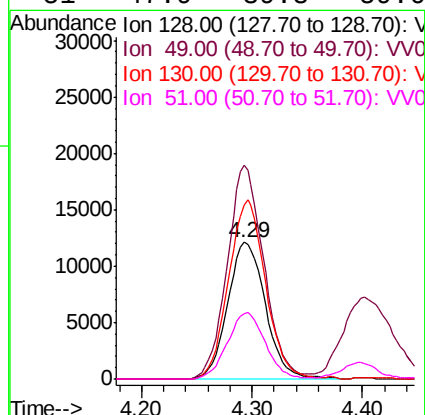
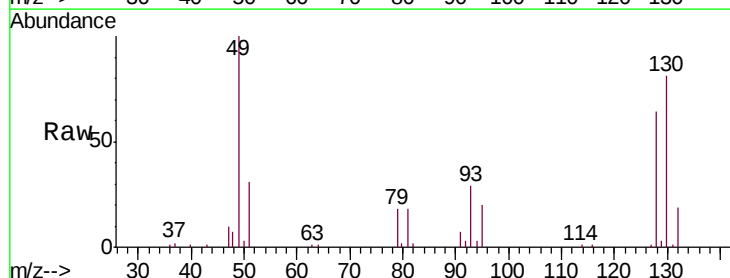
Tgt Ion: 96 Resp: 62256
 Ion Ratio Lower Upper
 96 100
 61 120.7 85.4 158.6
 98 63.8 45.1 83.7

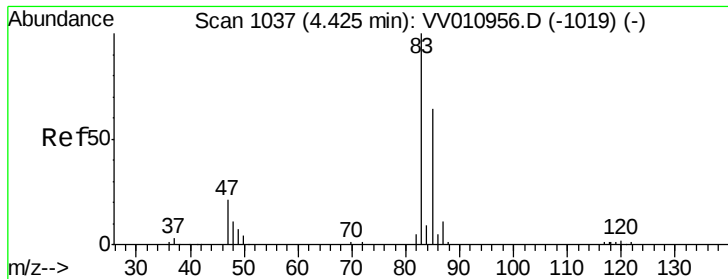


#23

Bromochloromethane
 Concen: 25.648 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Tgt Ion: 128 Resp: 28811
 Ion Ratio Lower Upper
 128 100
 49 156.6 111.6 207.4
 130 127.5 95.5 177.3
 51 47.9 39.8 59.6





#25

Chloroform

Concen: 25.601 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

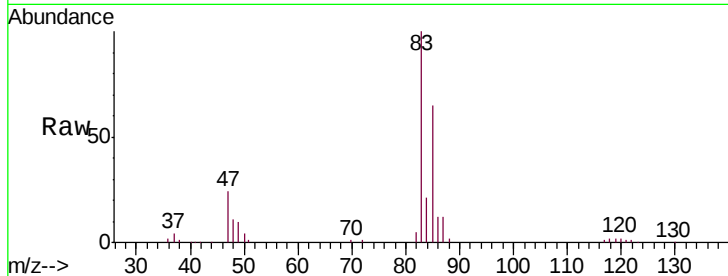
VSTD02565

Tgt Ion: 83 Resp: 112294

Ion Ratio Lower Upper

83 100

85 65.4 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VV010956.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV010956.D (-1019) (-)

4.42

50000

40000

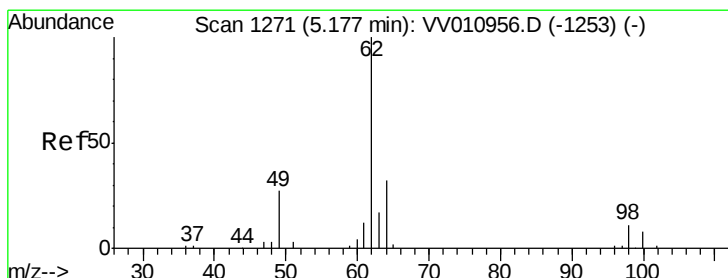
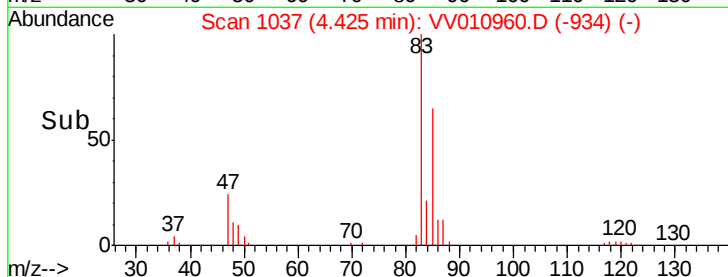
30000

20000

10000

0

Time--> 4.30 4.35 4.40 4.45 4.50



#27

1,2-Dichloroethane

Concen: 25.520 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV010960.D

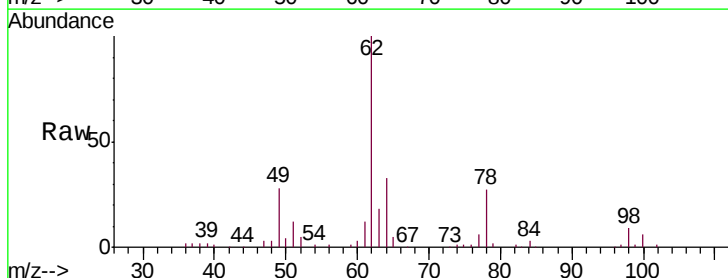
Acq: 20 May 2019 15:17

Tgt Ion: 62 Resp: 68810

Ion Ratio Lower Upper

62 100

98 9.4 8.6 13.0



Abundance Ion 62.00 (61.70 to 62.70): VV010956.D (-1253) (-)

Ion 98.00 (97.70 to 98.70): VV010956.D (-1253) (-)

5.18

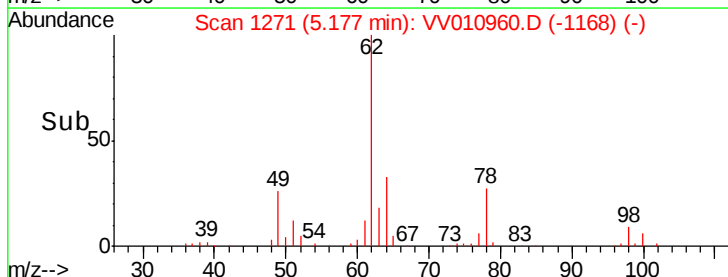
30000

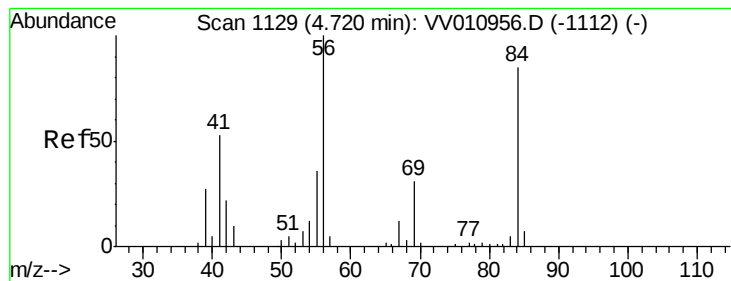
20000

10000

0

Time--> 5.10 5.15 5.20 5.25





#30

Cyclohexane

Concen: 27.716 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02565

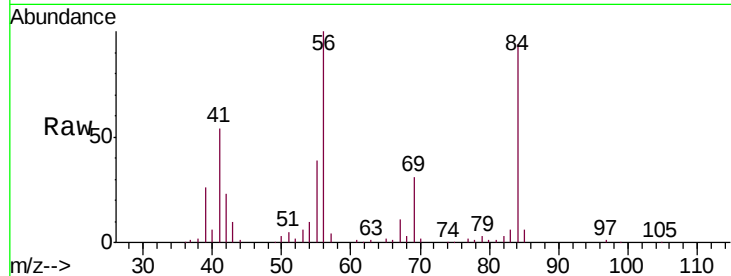
Tgt Ion: 56 Resp: 83589

Ion Ratio Lower Upper

56 100

69 31.6 25.1 37.7

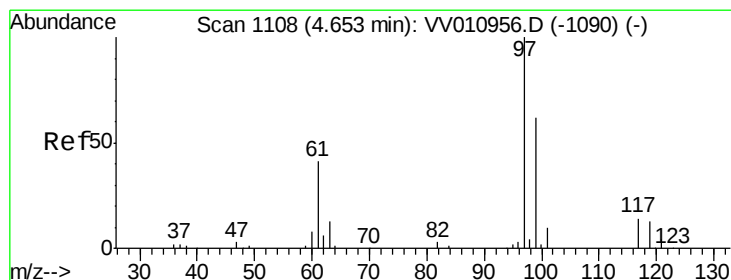
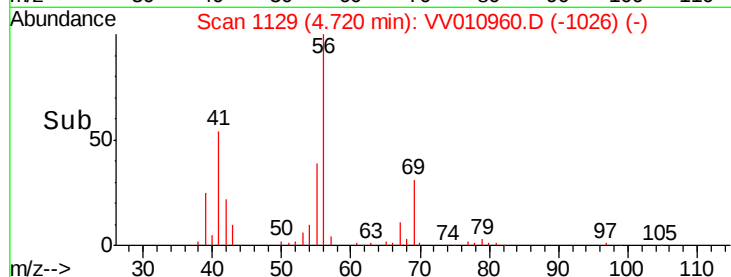
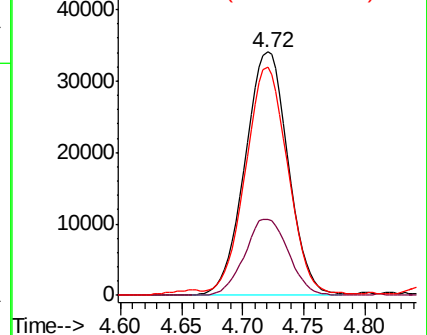
84 90.5 72.4 108.6



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



#31

1,1,1-Trichloroethane

Concen: 27.837 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

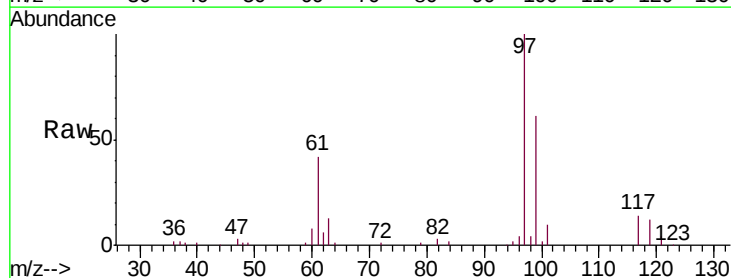
Tgt Ion: 97 Resp: 90887

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.4

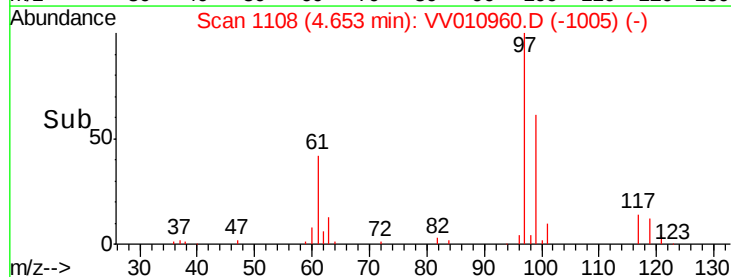
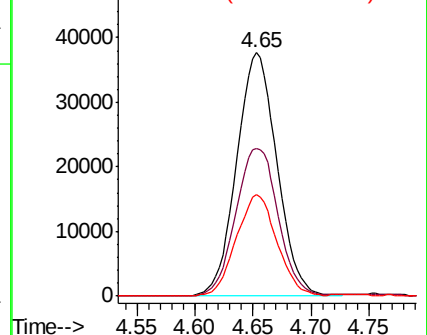
61 42.2 33.9 50.9

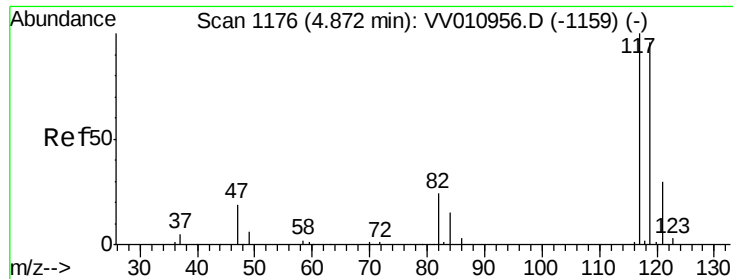


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 27.186 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

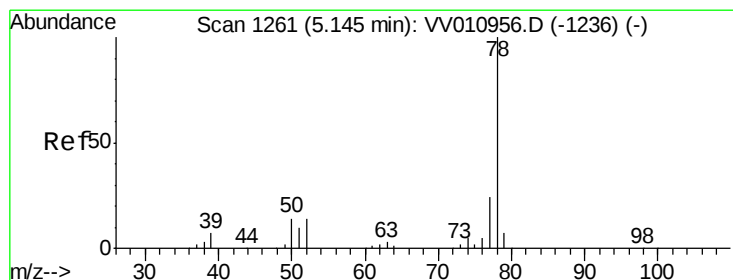
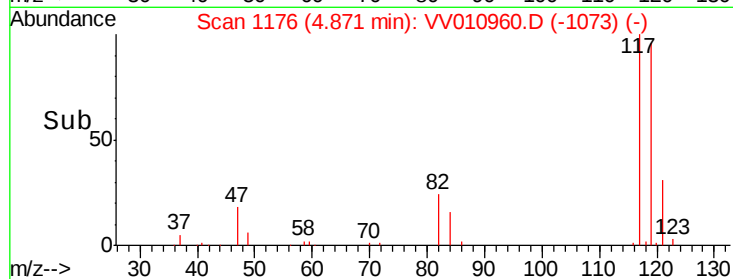
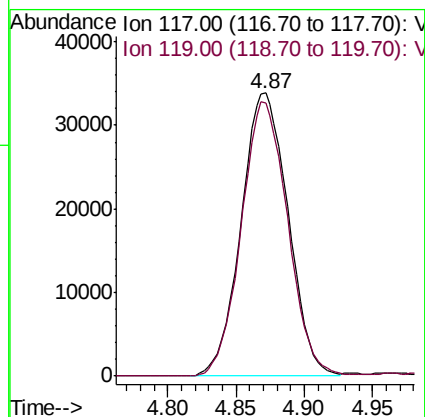
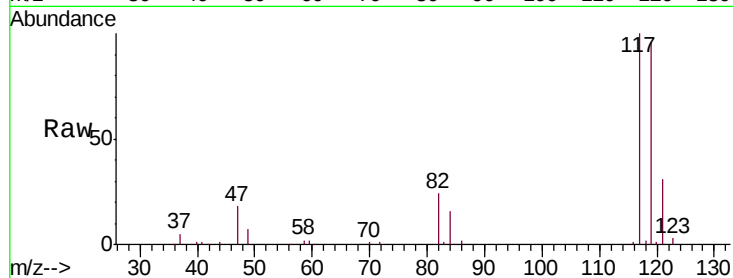
VSTD02565

Tgt Ion:117 Resp: 80943

Ion Ratio Lower Upper

117 100

119 95.7 76.1 114.1



#34

Benzene

Concen: 27.444 ug/L

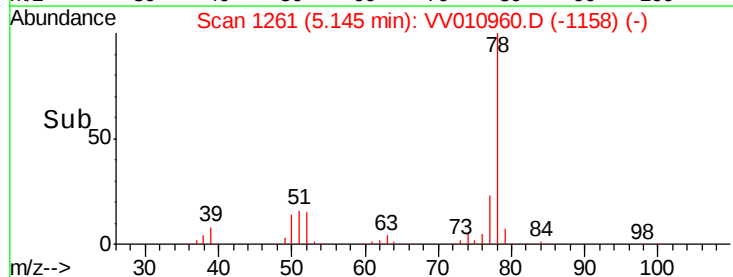
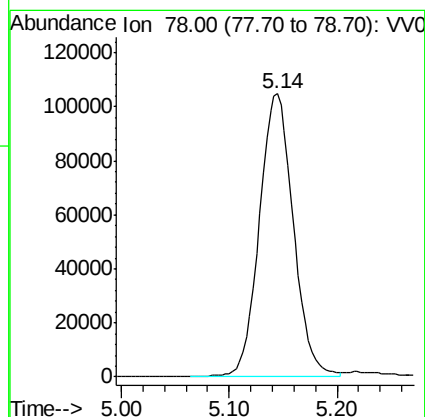
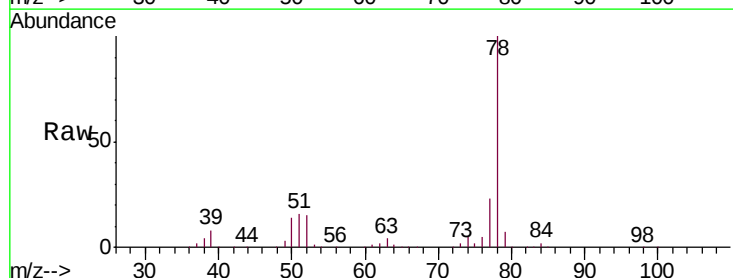
RT: 5.14 min Scan# 1261

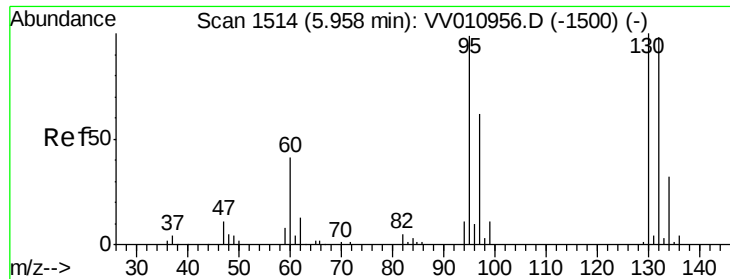
Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Tgt Ion: 78 Resp: 229621

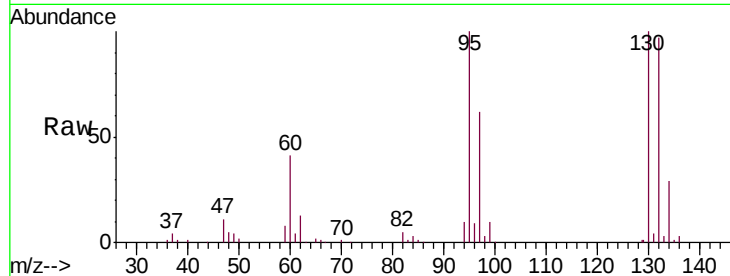




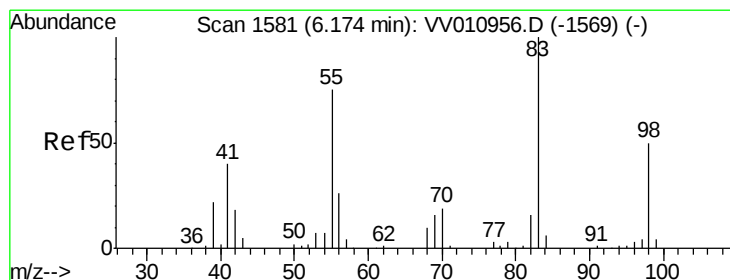
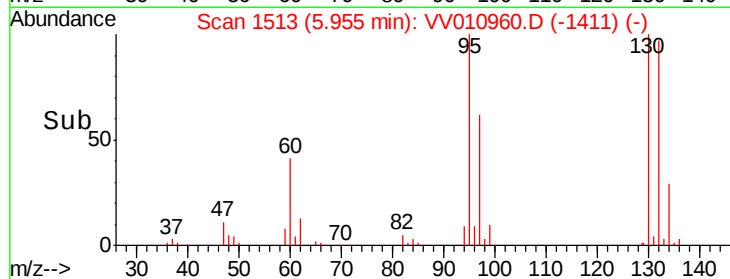
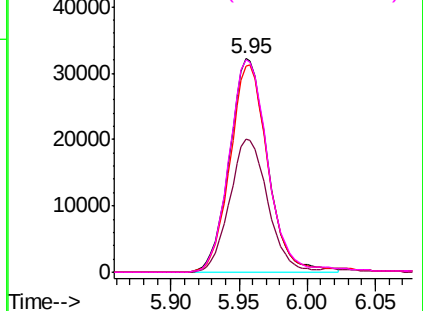
#35
 Trichloroethene
 Concen: 27.043 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

Tgt Ion:	95	Resp:	62517
Ion	Ratio	Lower	Upper
95	100		
97	62.2	43.4	80.6
132	95.9	68.8	127.8
130	99.2	69.9	129.9

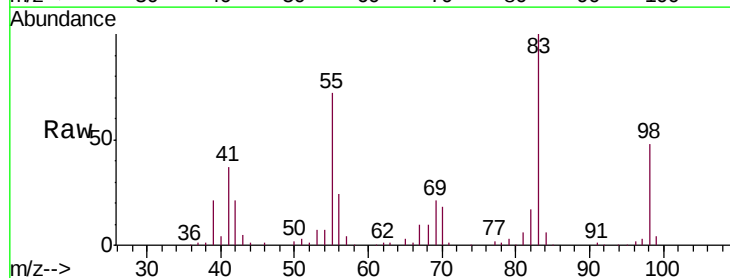


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

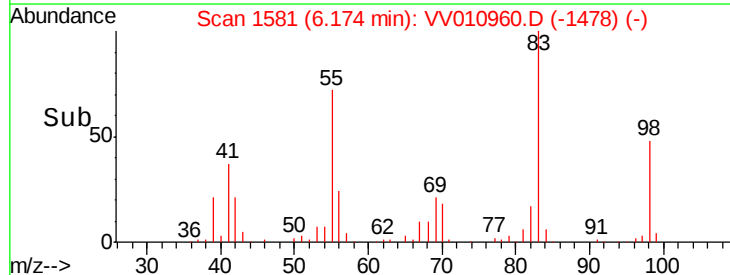
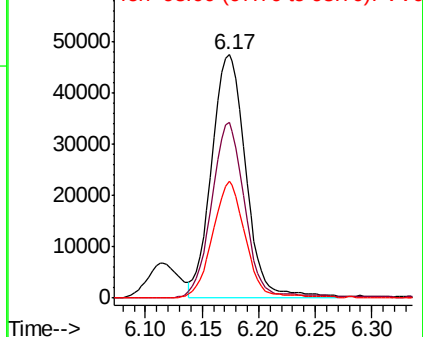


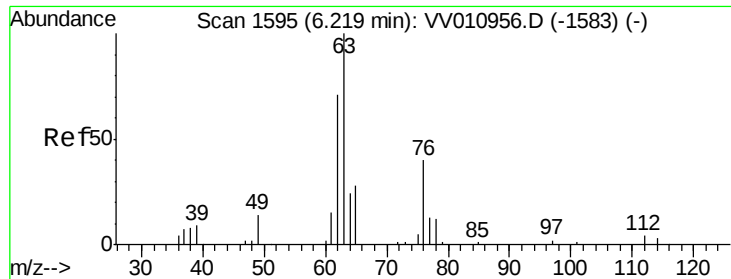
#36
 Methylcyclohexane
 Concen: 29.363 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Tgt Ion:	83	Resp:	100351
Ion	Ratio	Lower	Upper
83	100		
55	69.7	57.0	85.4
98	45.3	36.2	54.4



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

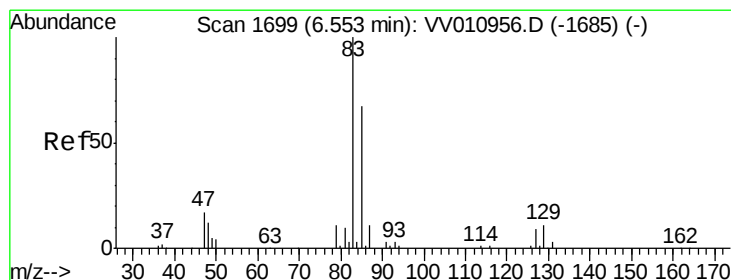
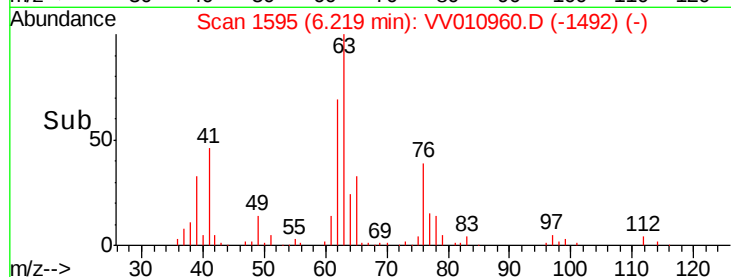
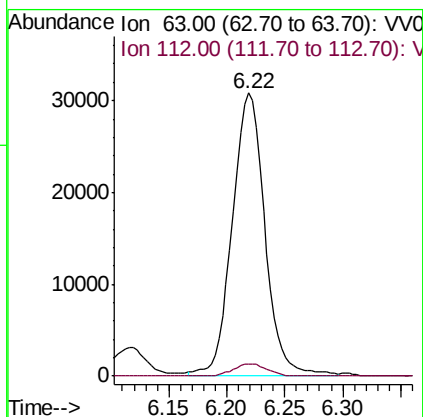
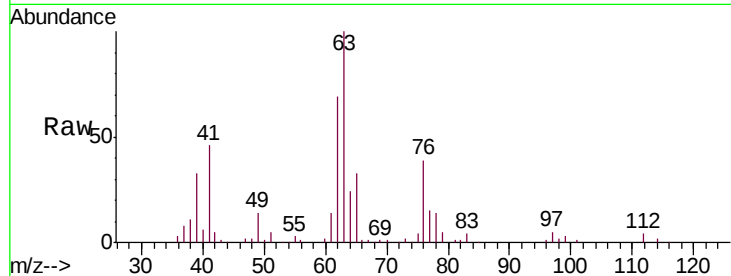




#40
 1,2-Dichloropropane
 Concen: 27.528 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

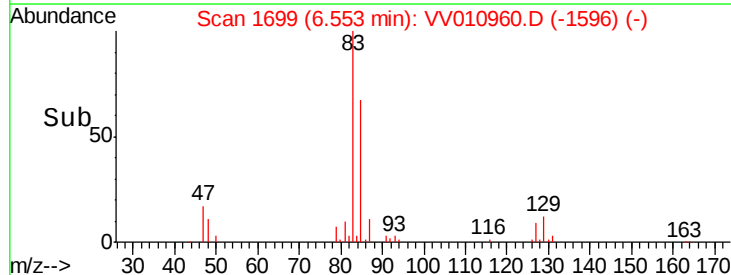
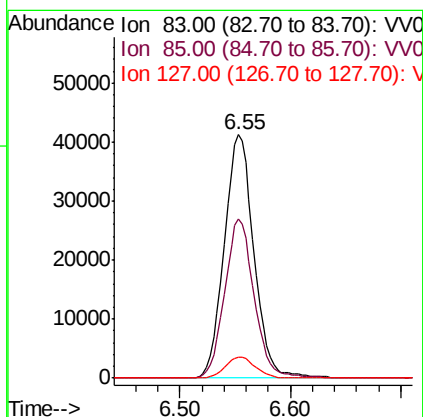
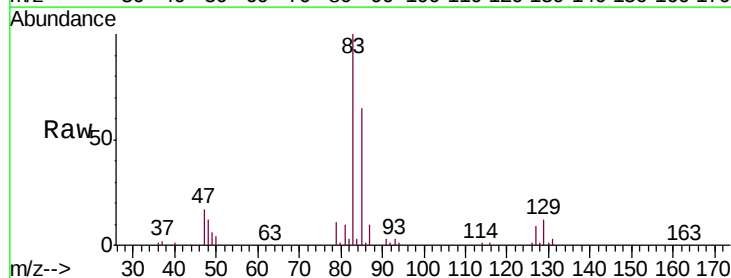
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

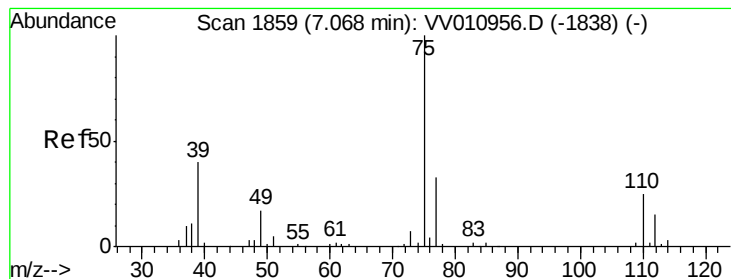
Tgt Ion: 63 Resp: 60531
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#41
 Bromodichloromethane
 Concen: 26.148 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Tgt Ion: 83 Resp: 76848
 Ion Ratio Lower Upper
 83 100
 85 65.4 46.7 86.7
 127 8.7 7.1 10.7



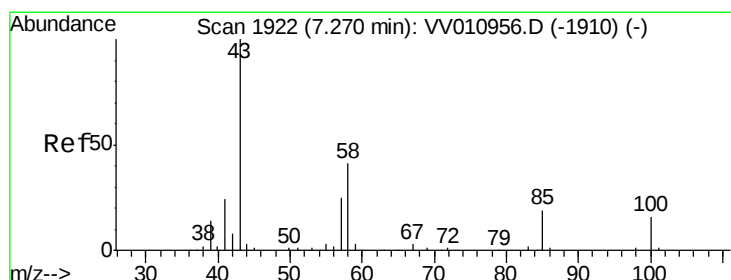
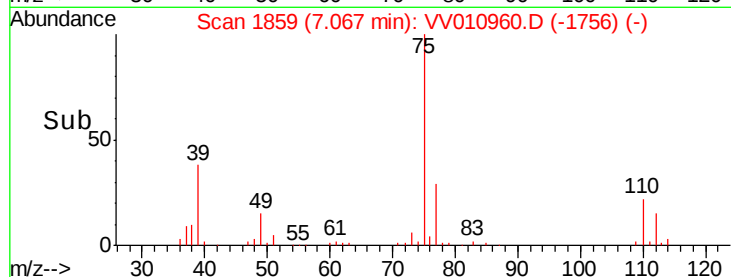
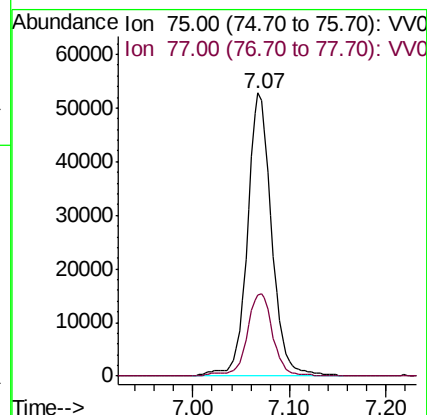
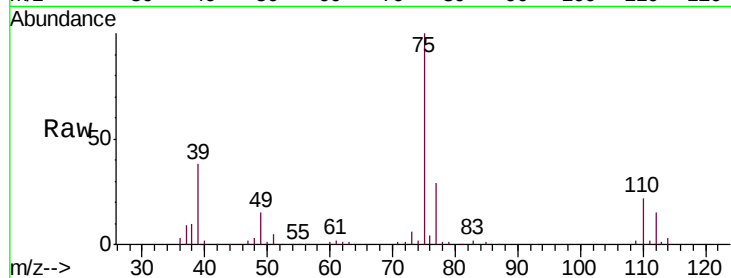


#42

cis-1,3-Dichloropropene
 Concen: 28.023 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

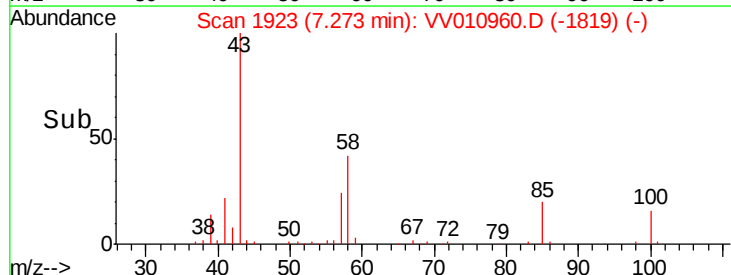
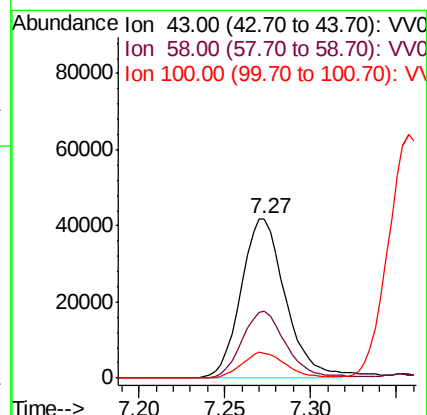
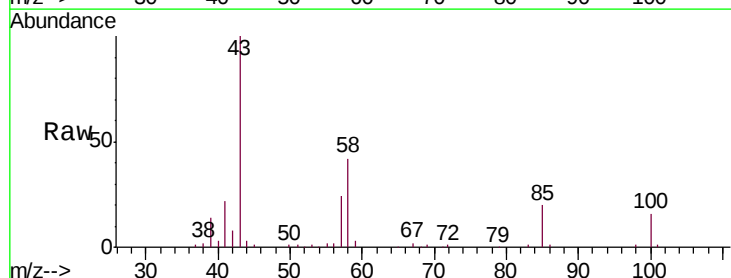
Tgt Ion: 75 Resp: 91718
 Ion Ratio Lower Upper
 75 100
 77 28.7 22.9 42.5

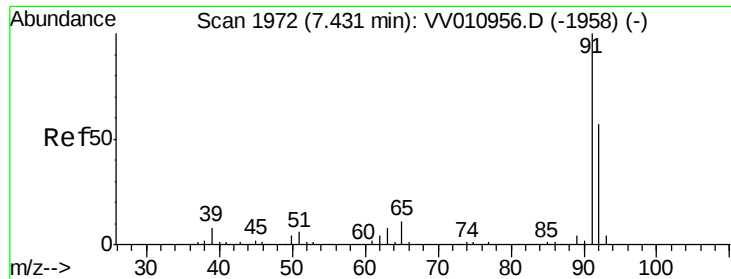


#43

4-Methyl-2-pentanone
 Concen: 47.587 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Tgt Ion: 43 Resp: 75009
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.1 49.7
 100 16.1 13.1 19.7





#44

Toluene

Concen: 28.098 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

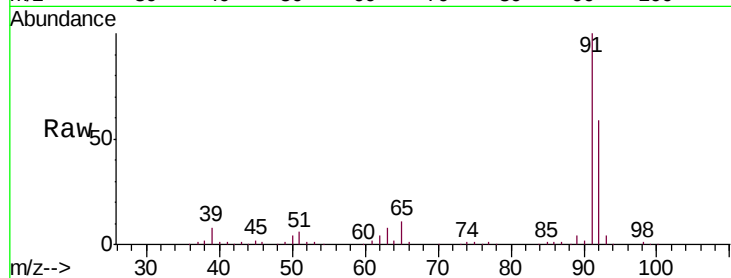
VSTD02565

Tgt Ion: 91 Resp: 260892

Ion Ratio Lower Upper

91 100

92 58.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

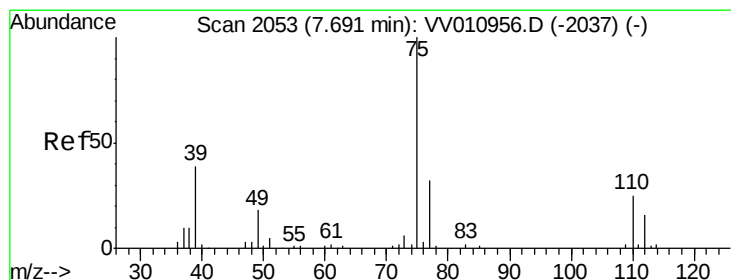
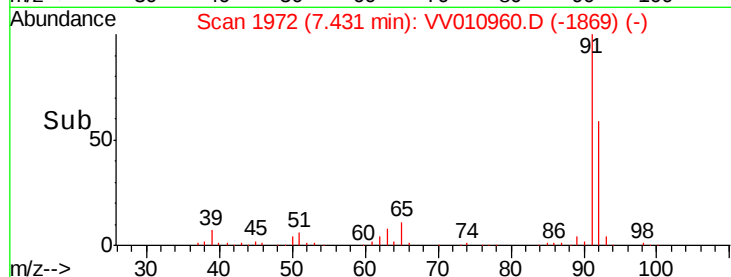
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#45

trans-1,3-Dichloropropene

Concen: 26.992 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010960.D

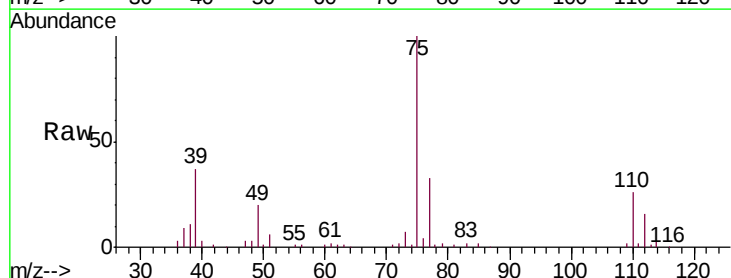
Acq: 20 May 2019 15:17

Tgt Ion: 75 Resp: 74419

Ion Ratio Lower Upper

75 100

77 32.8 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

50000

40000

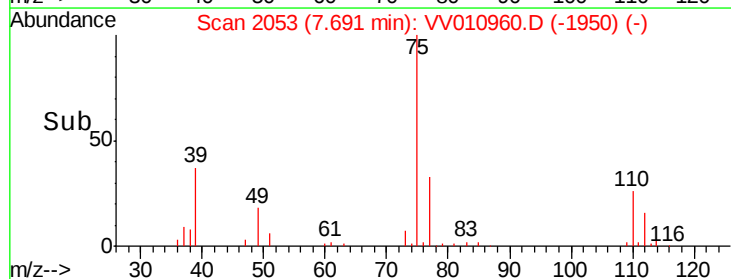
30000

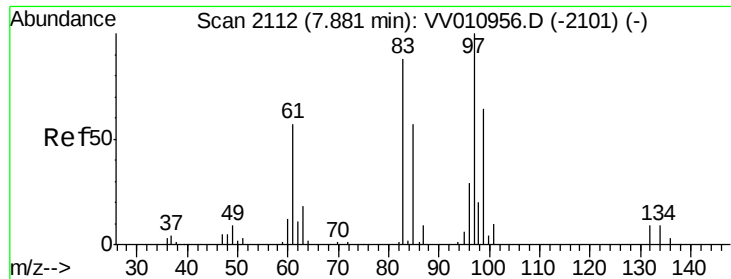
20000

10000

0

Time--> 7.60 7.70 7.80

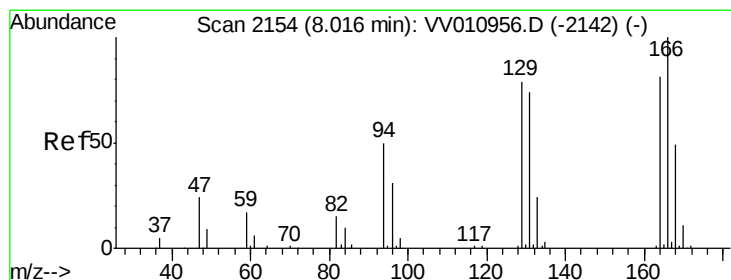
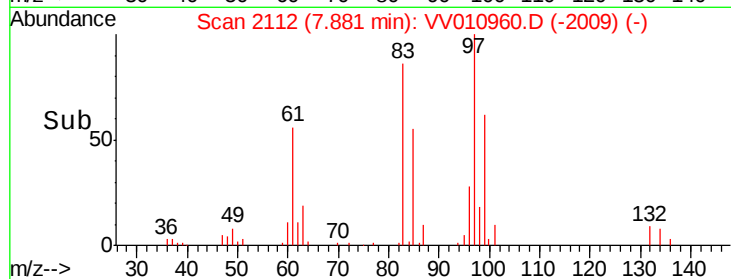
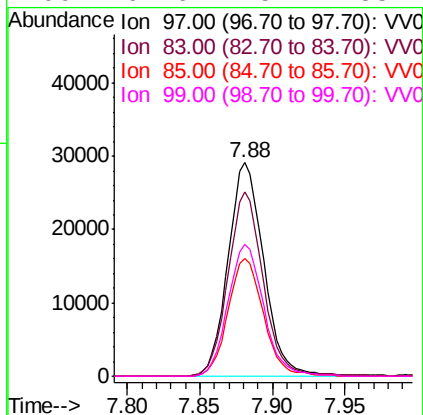
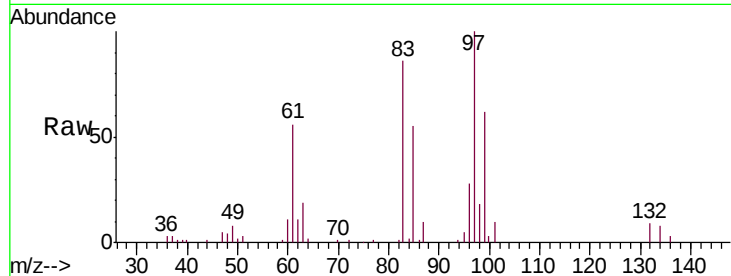




#46
 1,1,2-Trichloroethane
 Concen: 26.505 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

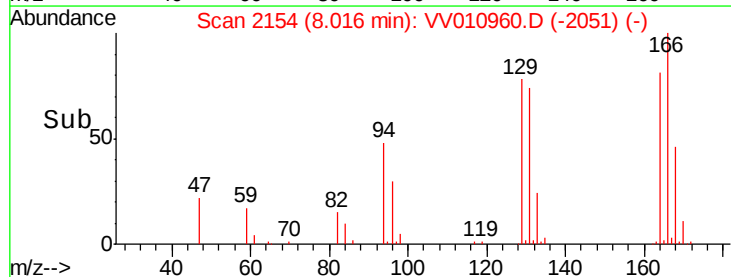
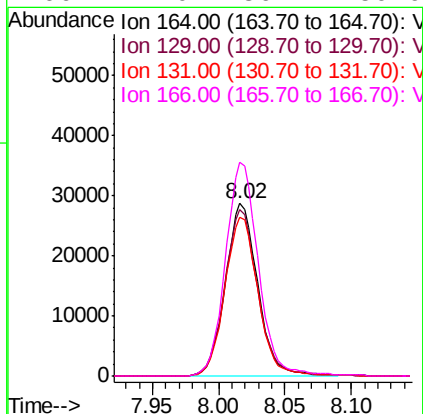
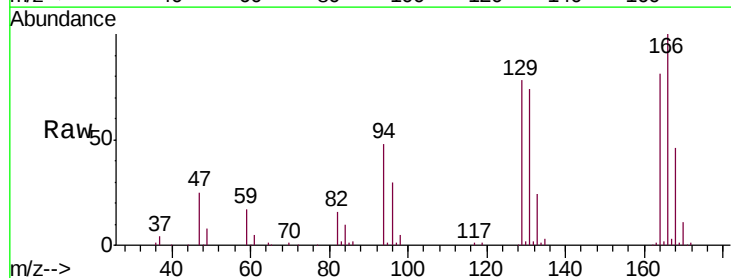
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

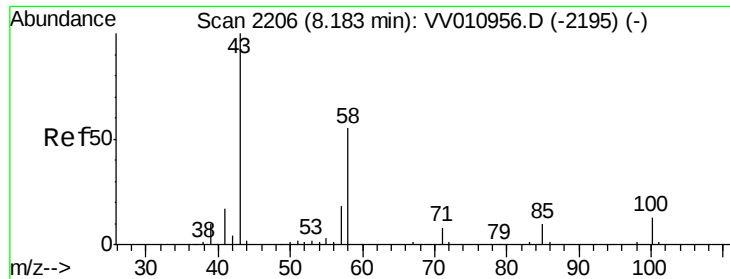
Tgt Ion:	97	Resp:	49662
Ion	Ratio	Lower	Upper
97	100		
83	86.0	61.6	114.4
85	54.9	40.2	74.6
99	61.6	45.1	83.7



#47
 Tetrachloroethene
 Concen: 26.988 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Tgt Ion:	164	Resp:	48700
Ion	Ratio	Lower	Upper
164	100		
129	96.5	67.8	125.8
131	91.8	64.1	119.1
166	124.0	86.1	159.9

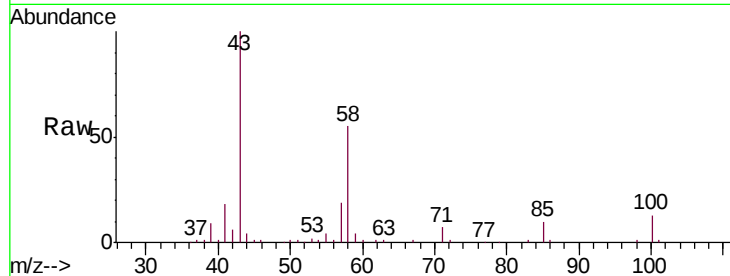




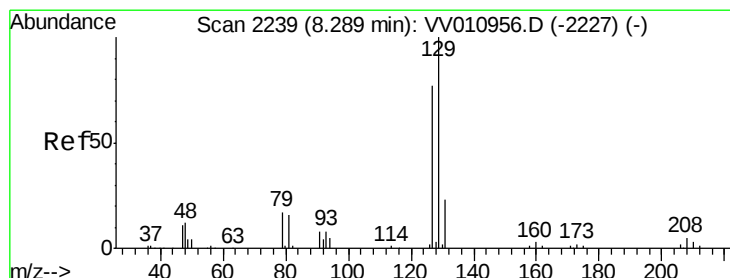
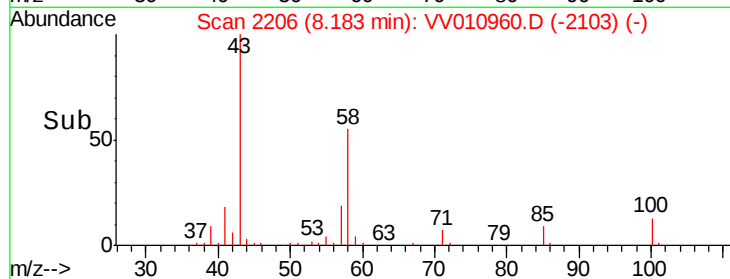
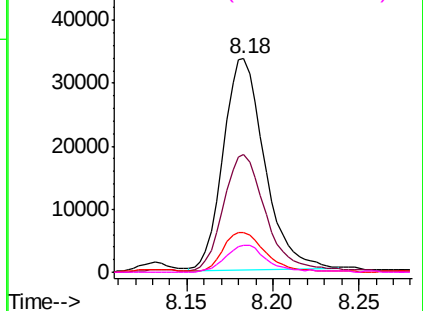
#49
2-Hexanone
Concen: 49.031 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV010960.D
Acq: 20 May 2019 15:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD02565

Tgt Ion:	43	Resp:	56428
Ion	Ratio	Lower	Upper
43	100		
58	59.0	46.0	69.0
57	18.6	14.5	21.7
100	13.1	10.3	15.5

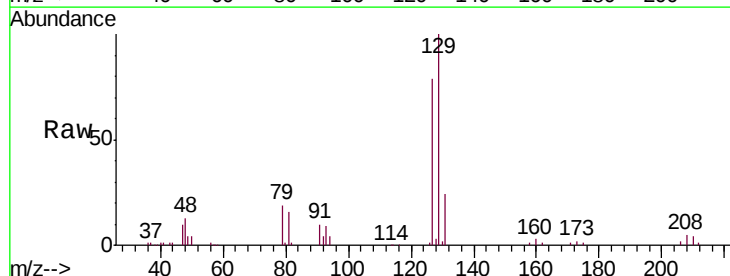


Abundance Ion 43.00 (42.70 to 43.70): VV010956.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV010956.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV010956.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV010956.D (-2195) (-)

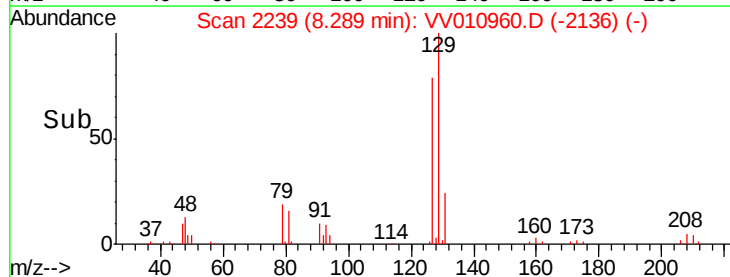
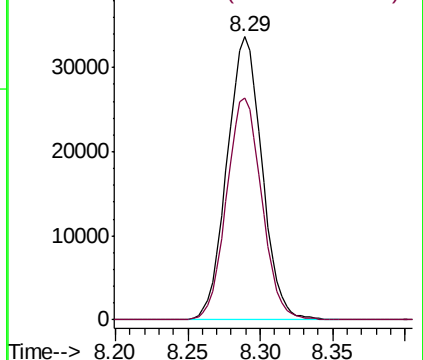


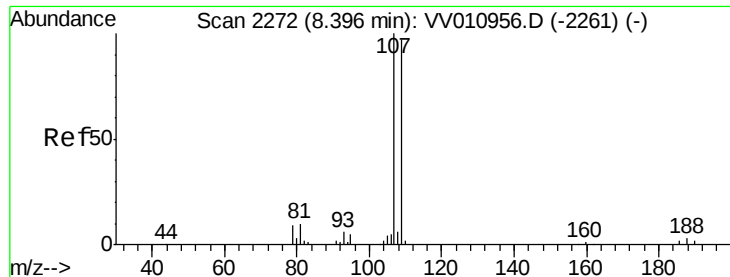
#50
Dibromochloromethane
Concen: 25.687 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010960.D
Acq: 20 May 2019 15:17

Tgt Ion:	129	Resp:	56649
Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): VV010956.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV010956.D (-2227) (-)





#51

1,2-Dibromoethane

Concen: 25.535 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02565

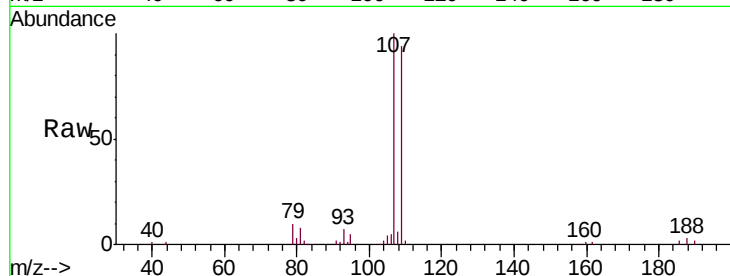
Tgt Ion:107 Resp: 46268

Ion Ratio Lower Upper

107 100

109 94.0 68.0 126.4

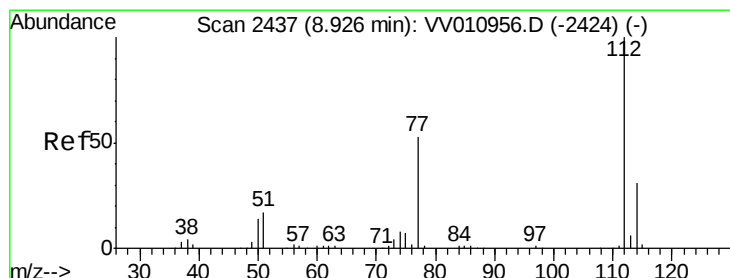
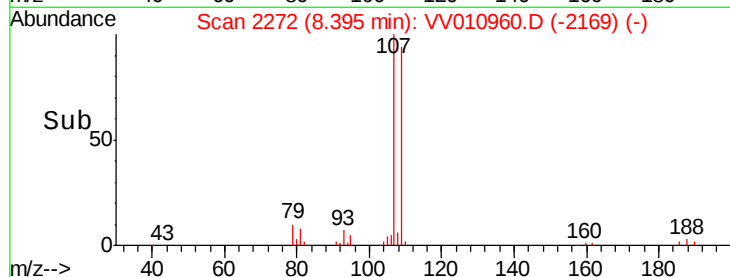
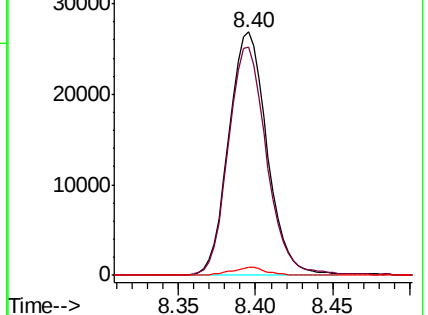
188 3.4 2.3 3.5



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



#52

Chlorobenzene

Concen: 26.576 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

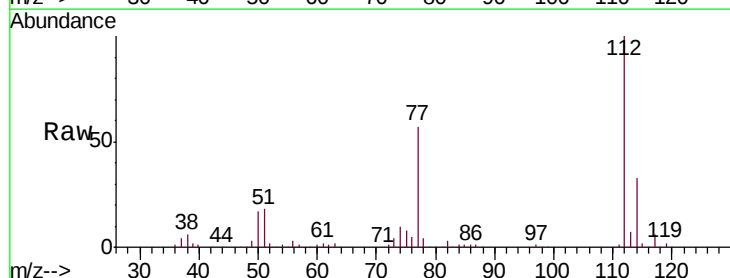
Tgt Ion:112 Resp: 169135

Ion Ratio Lower Upper

112 100

77 56.6 43.0 64.4

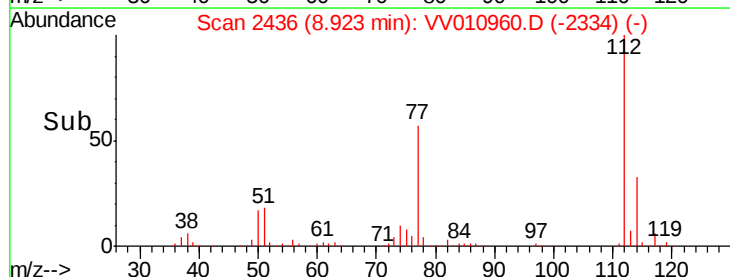
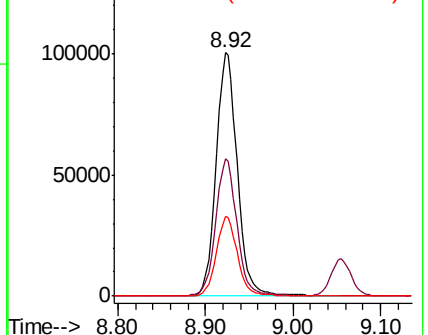
114 32.9 22.0 40.8

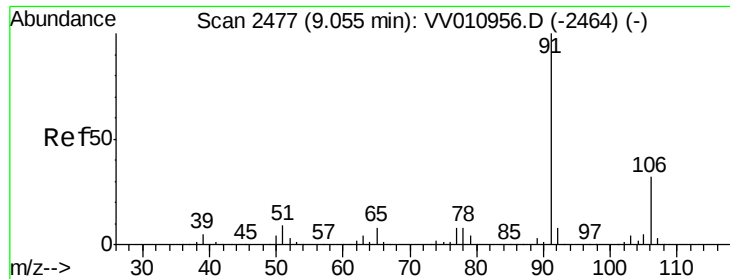


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 28.321 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

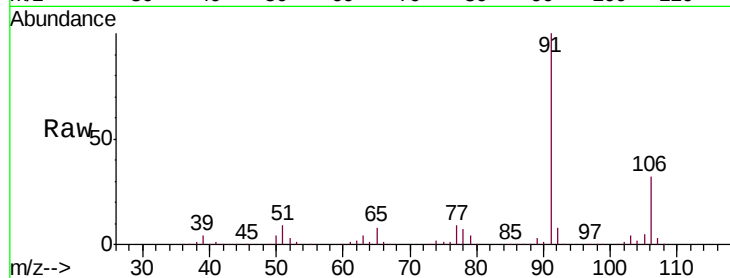
VSTD02565

Tgt Ion: 91 Resp: 286536

Ion Ratio Lower Upper

91 100

106 31.9 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV010960.D (-2374) (-)

Ion 106.00 (105.70 to 106.70): VV010960.D (-2374) (-)

9.05

150000

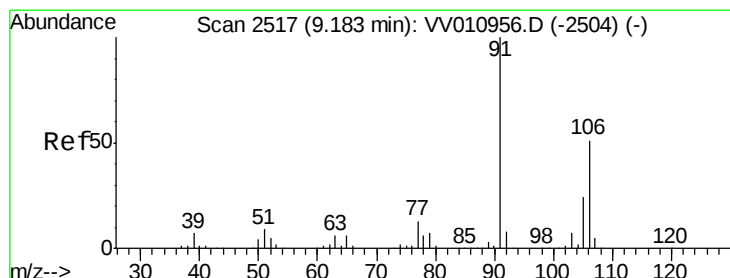
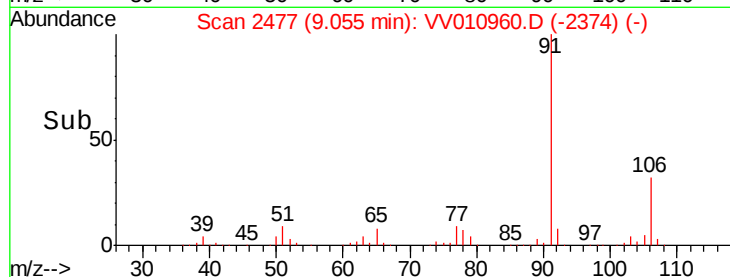
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#54

m,p-Xylene

Concen: 28.360 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010960.D

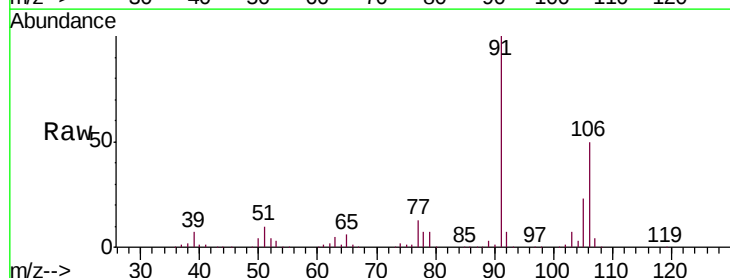
Acq: 20 May 2019 15:17

Tgt Ion: 106 Resp: 111828

Ion Ratio Lower Upper

106 100

91 200.8 138.3 256.9



Abundance Ion 106.00 (105.70 to 106.70): VV010960.D (-2414) (-)

Ion 91.00 (90.70 to 91.70): VV010960.D (-2414) (-)

9.18

150000

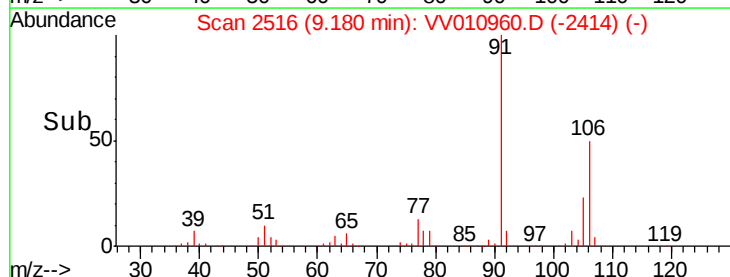
100000

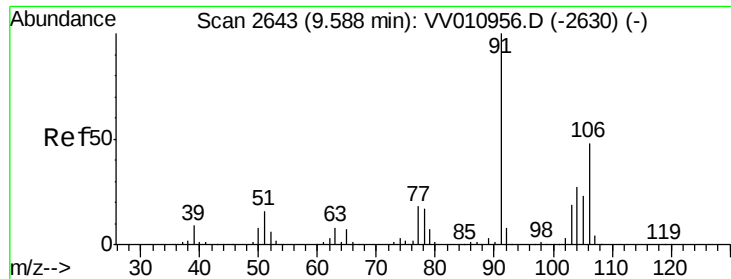
50000

0

9.10 9.15 9.20 9.25

Time-->





#55

o-xylene

Concen: 29.168 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

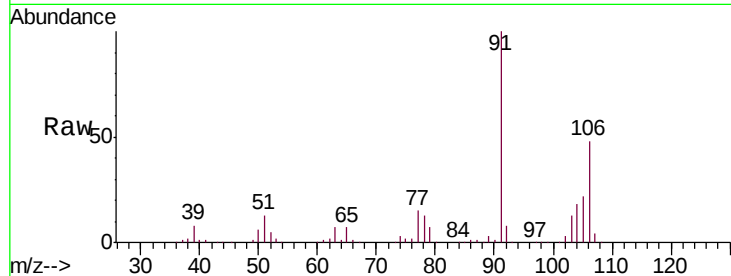
VSTD02565

Tgt Ion:106 Resp: 109732

Ion Ratio Lower Upper

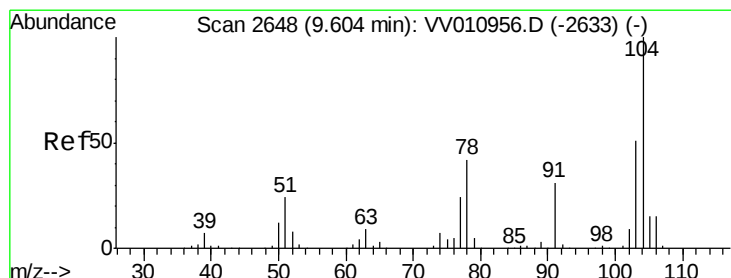
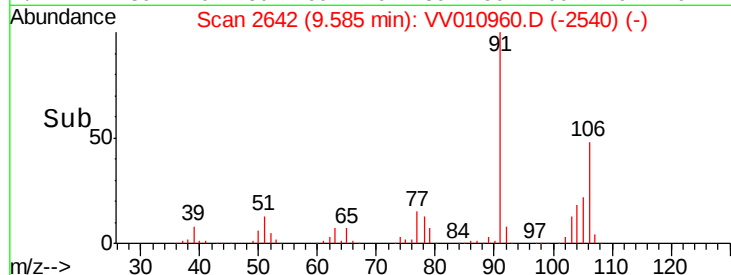
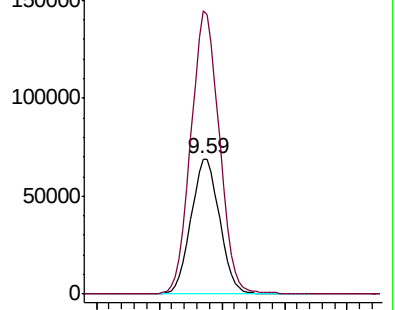
106 100

91 209.5 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 29.100 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010960.D

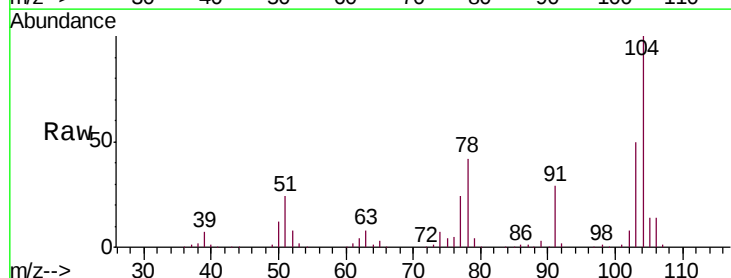
Acq: 20 May 2019 15:17

Tgt Ion:104 Resp: 188676

Ion Ratio Lower Upper

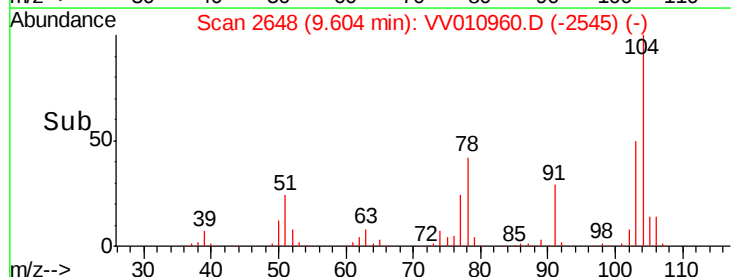
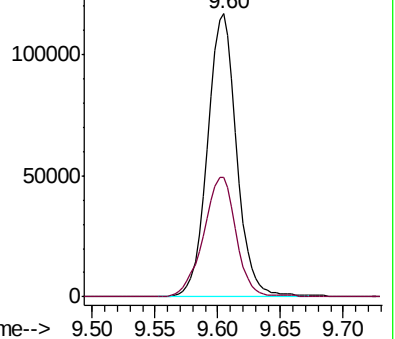
104 100

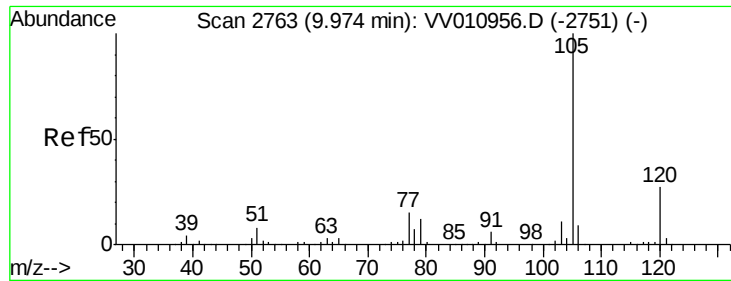
78 42.3 29.2 54.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 29.141 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02565

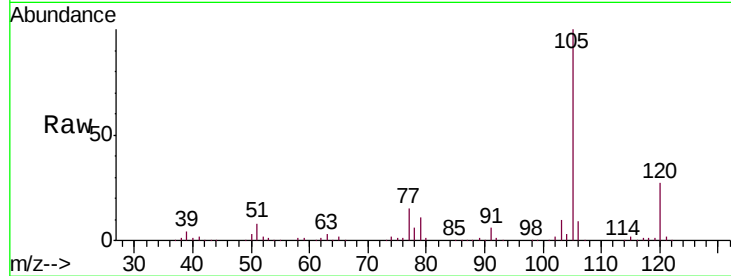
Tgt Ion: 105 Resp: 289213

Ion Ratio Lower Upper

105 100

120 27.3 21.9 32.9

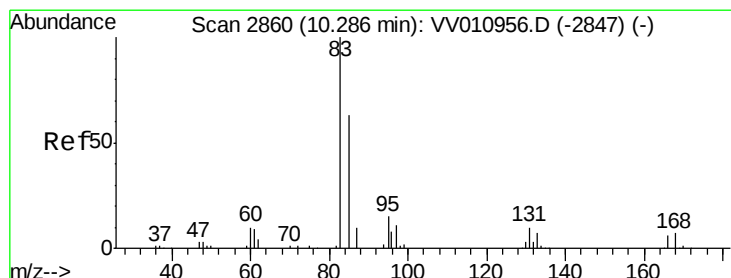
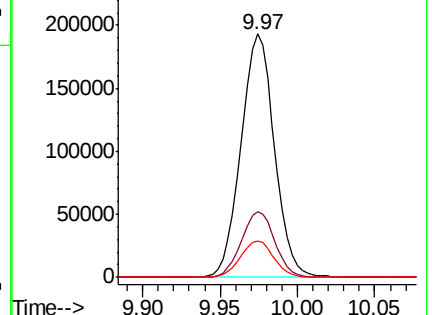
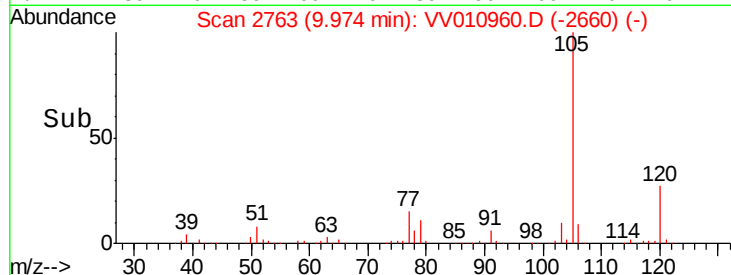
77 15.1 12.2 18.2



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: 25.291 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010960.D

Acq: 20 May 2019 15:17

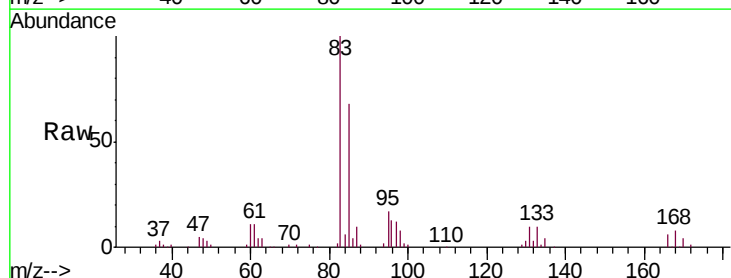
Tgt Ion: 83 Resp: 62397

Ion Ratio Lower Upper

83 100

85 67.7 44.4 82.5

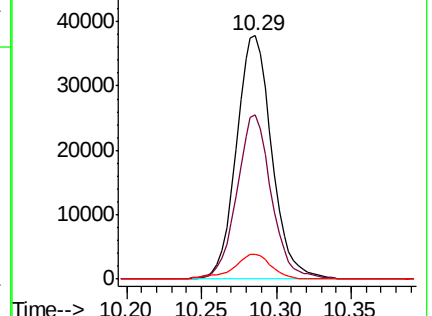
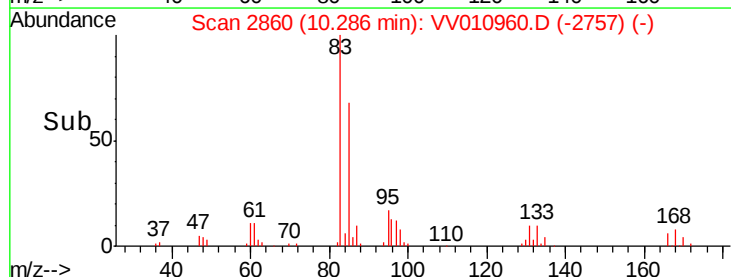
131 10.4 8.2 12.4

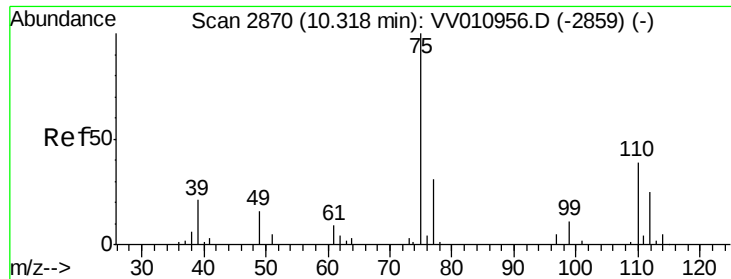


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

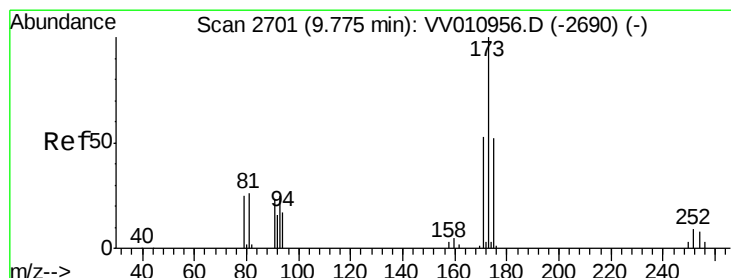
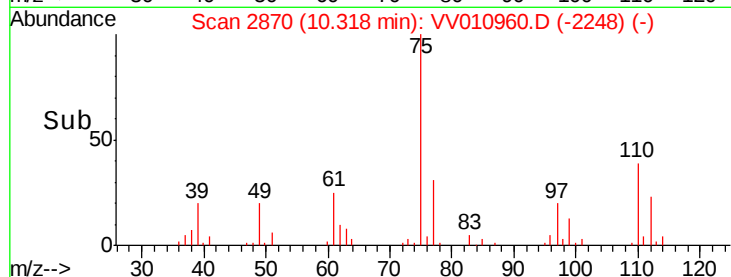
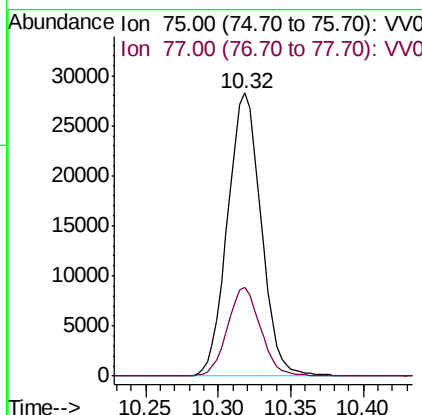
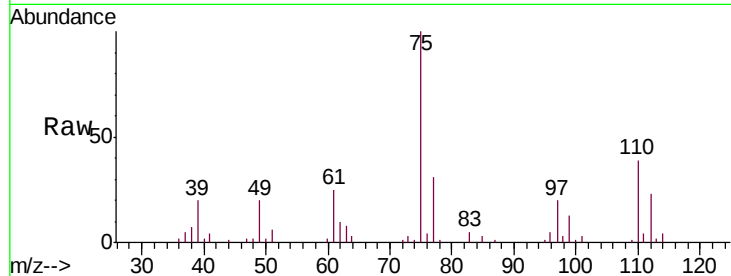




#59
 1,2,3-Trichloropropane
 Concen: 24.998 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

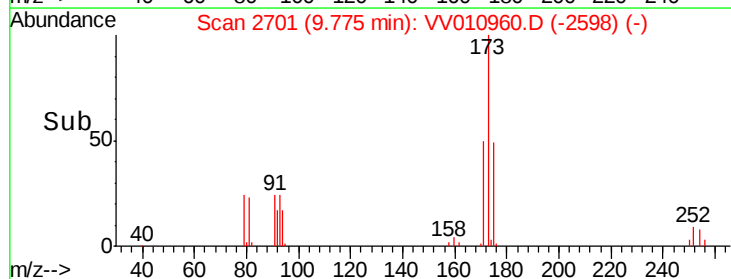
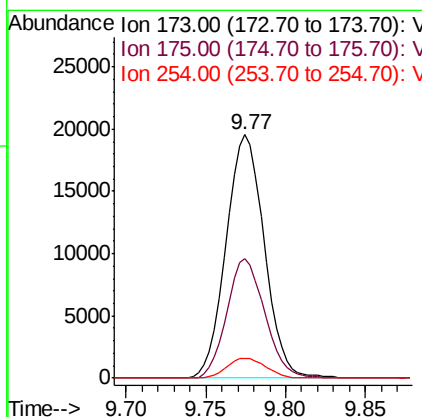
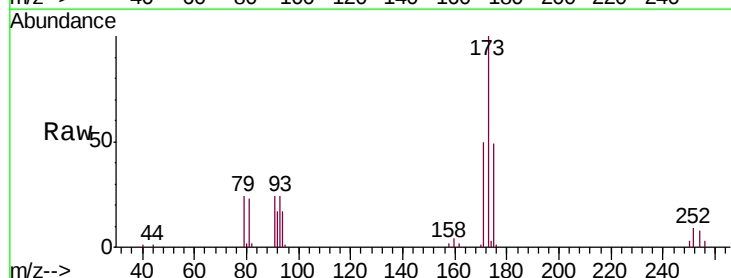
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

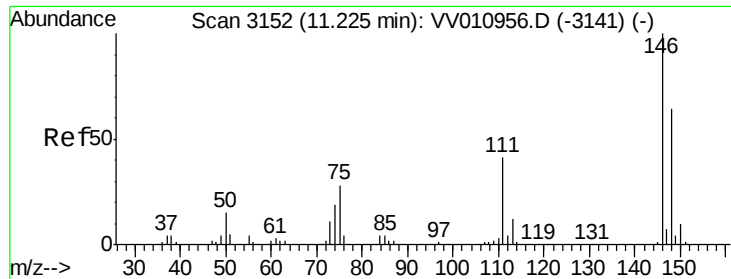
Tgt Ion: 75 Resp: 45305
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.2



#62
 Bromoform
 Concen: 24.194 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Tgt Ion: 173 Resp: 31917
 Ion Ratio Lower Upper
 173 100
 175 48.5 40.3 60.5
 254 8.2 6.1 9.1

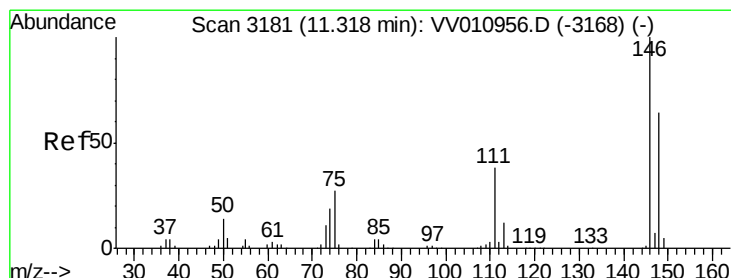
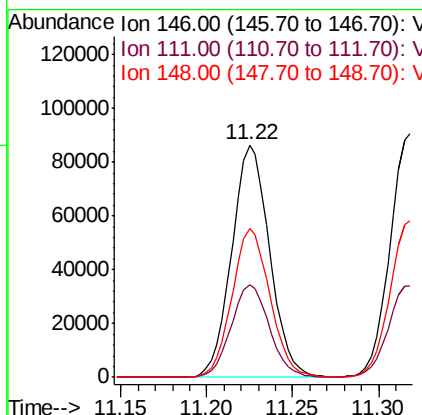
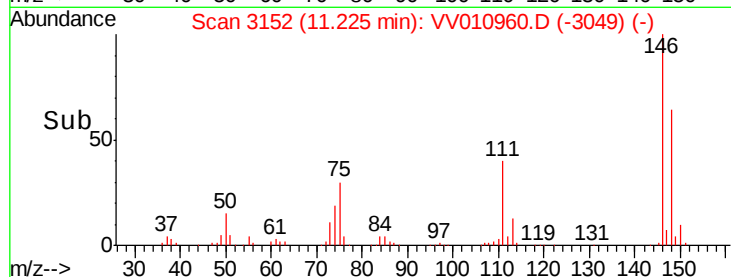
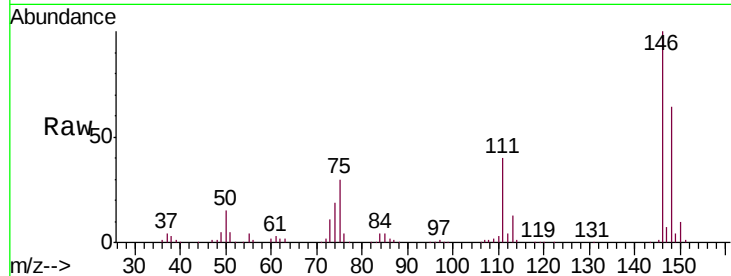




#63
 1,3-Dichlorobenzene
 Concen: 26.068 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

Tgt Ion:146 Resp: 132131
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.4 52.8
 148 64.1 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 26.473 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010960.D
 Acq: 20 May 2019 15:17

Tgt Ion:146 Resp: 138192
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.5 49.1
 148 64.3 45.0 83.6

