

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
 Data File : VV010037.D
 Acq On : 30 Mar 2019 23:19
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

Quant Time: Mar 31 00:47:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	163729	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	168405	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	82682	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56802	17.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.40%
7) Chloroethane-d5	1.55	69	77773	21.67	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.68%
10) 1,1-Dichloroethene-d2	2.12	63	181584	19.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.92%
20) 2-Butanone-d5	3.93	46	39822	64.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.64%
24) Chloroform-d	4.40	84	104101	24.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.84%
26) 1,2-Dichloroethane-d4	5.08	65	67226	26.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.12%
29) Benzene-d6	5.10	84	198480	22.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.76%
33) 1,2-Dichloropropane-d6	6.12	67	63468	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.12%
37) Toluene-d8	7.36	98	181683	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.80%
38) trans-1,3-Dichloropropene-	7.66	79	25240	23.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.40%
39) 2-Hexanone-d5	8.13	63	30804	63.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	71324	27.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	73626	23.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	44999	17.752	ug/L 100
3) Chloromethane	1.25	50	56662	19.342	ug/L 99
5) Vinyl chloride	1.32	62	78074	20.497	ug/L 98
6) Bromomethane	1.51	94	66893	17.607	ug/L 99
8) Chloroethane	1.57	64	69118	21.064	ug/L 97
9) Trichlorofluoromethane	1.75	101	176598	21.740	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	95324	20.189	ug/L 98
12) 1,1-Dichloroethene	2.13	96	86234	21.530	ug/L 99
13) Acetone	2.19	43	38596	41.174	ug/L 100
14) Carbon disulfide	2.31	76	102125	18.846	ug/L 98
15) Methyl Acetate	2.46	43	31995	29.139	ug/L 97
16) Methylene chloride	2.53	84	58384	21.654	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	148162	28.350	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	48564	22.637	ug/L 92
19) 1,1-Dichloroethane	3.23	63	96220	24.525	ug/L 98
21) 2-Butanone	4.02	43	44459	53.254	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	59931	25.300	ug/L 97

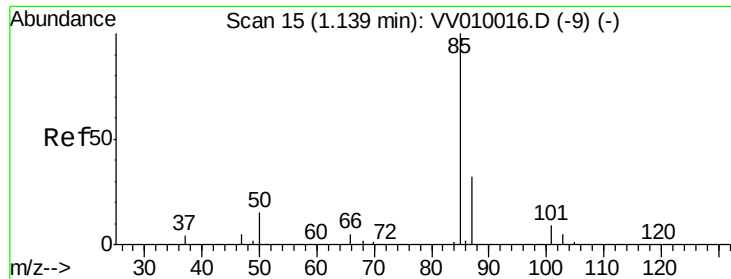
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	27717	25.341	ug/L	88
25) Chloroform	4.42	83	111629	25.734	ug/L	100
27) 1,2-Dichloroethane	5.18	62	84046	27.346	ug/L	97
30) Cyclohexane	4.72	56	64206	18.909	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	77379	22.960	ug/L #	75
32) Carbon tetrachloride	4.87	117	62928	21.482	ug/L	100
34) Benzene	5.14	78	216420	23.403	ug/L	100
35) Trichloroethene	5.96	95	52739	21.620	ug/L	97
36) Methylcyclohexane	6.18	83	69627	18.193	ug/L	95
40) 1,2-Dichloropropane	6.22	63	56125	24.288	ug/L #	97
41) Bromodichloromethane	6.56	83	72294	25.156	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	81743	24.263	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	102921	62.413	ug/L	99
44) Toluene	7.43	91	229752	22.536	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	71947	26.087	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	50683	26.519	ug/L	99
47) Tetrachloroethene	8.02	164	39151	20.339	ug/L	94
49) 2-Hexanone	8.18	43	70506	63.262	ug/L	96
50) Dibromochloromethane	8.29	129	52684	26.585	ug/L	98
51) 1,2-Dibromoethane	8.40	107	51211	27.597	ug/L	93
52) Chlorobenzene	8.93	112	157841	23.257	ug/L	98
53) Ethylbenzene	9.05	91	250684	22.291	ug/L	98
54) m,p-Xylene	9.18	106	96644	21.880	ug/L	91
55) o-xylene	9.59	106	96340	22.471	ug/L	88
56) Styrene	9.60	104	173598	23.573	ug/L	95
57) Isopropylbenzene	9.98	105	237744	21.375	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	72903	28.300	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	52815	28.407	ug/L	96
62) Bromoform	9.77	173	28149	26.468	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	117313	22.940	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	125166	22.521	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	120638	23.903	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	9231	29.263	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	80679	22.215	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	63576	23.731	ug/L	99
69) Naphthalene	13.55	128	124172	27.883	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65623	25.761	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 17.752 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

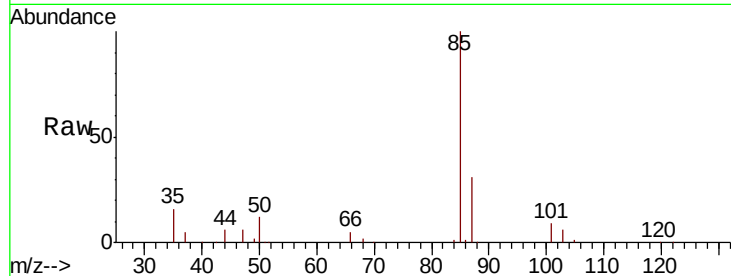
VSTD02575

Tgt Ion: 85 Resp: 44999

Ion Ratio Lower Upper

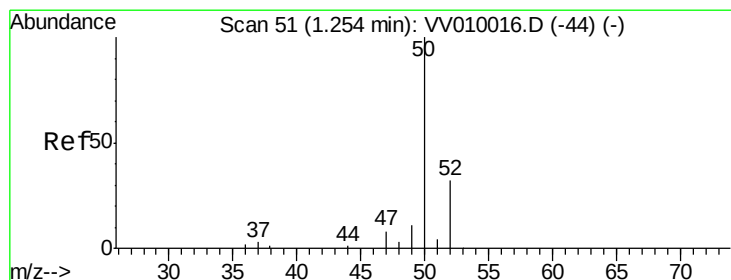
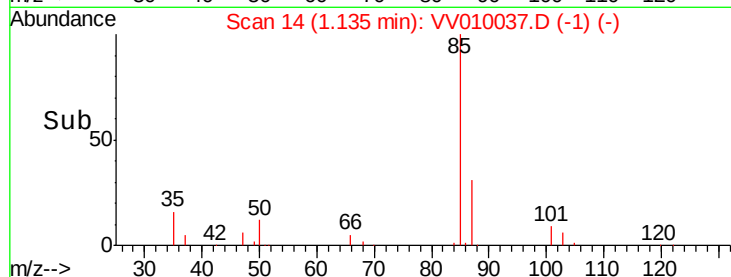
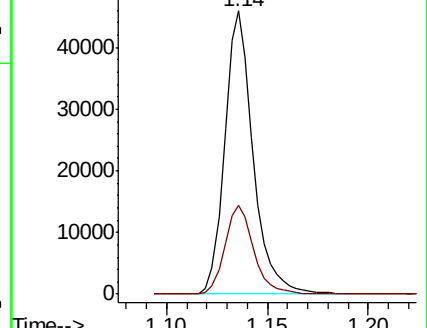
85 100

87 31.6 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 19.342 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010037.D

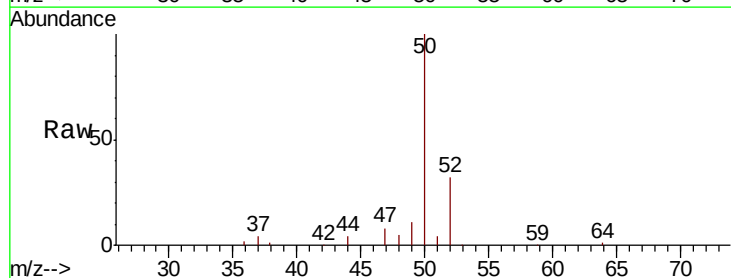
Acq: 30 Mar 2019 23:19

Tgt Ion: 50 Resp: 56662

Ion Ratio Lower Upper

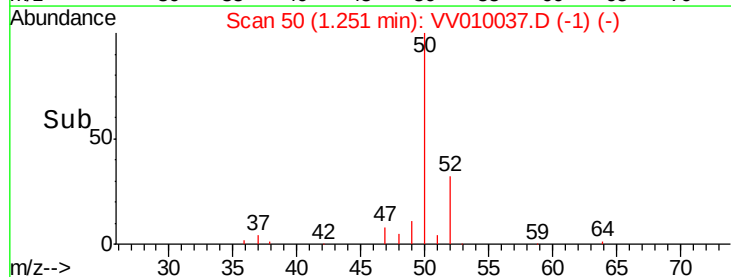
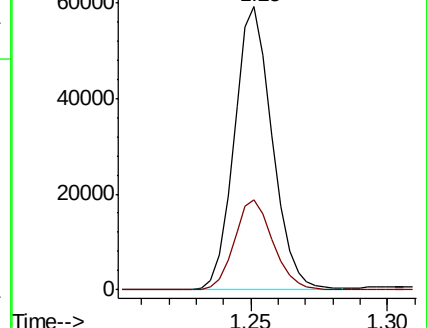
50 100

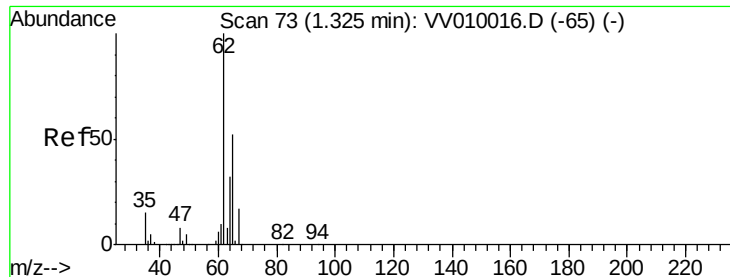
52 32.0 21.8 40.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 20.497 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.01 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

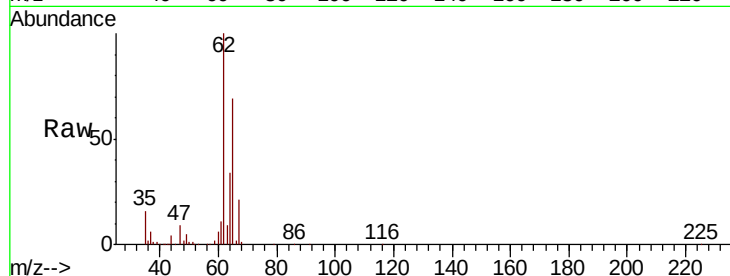
VSTD02575

Tgt Ion: 62 Resp: 78074

Ion Ratio Lower Upper

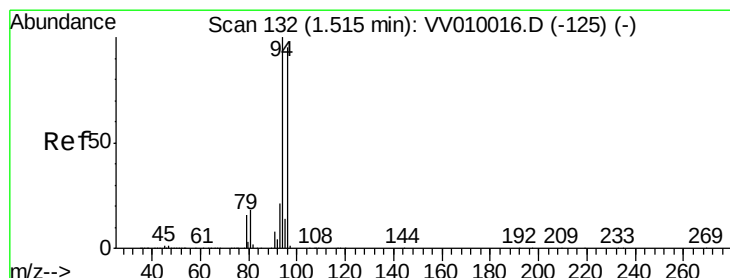
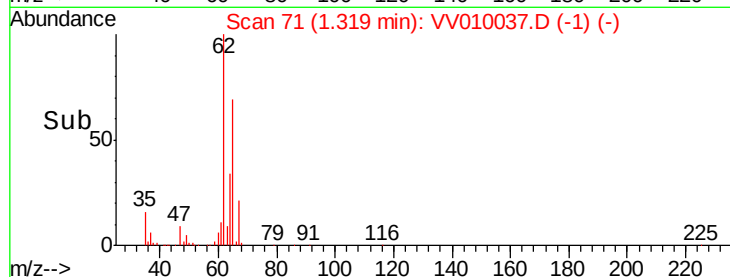
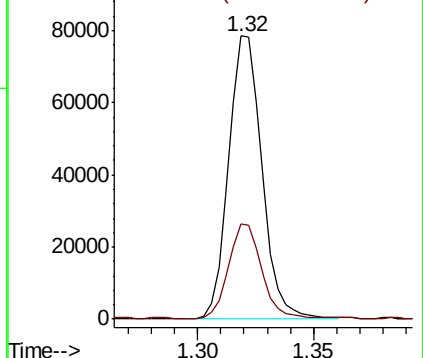
62 100

64 33.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 17.607 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.01 min

Lab File: VV010037.D

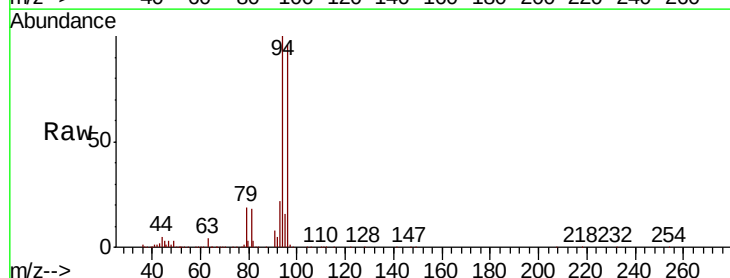
Acq: 30 Mar 2019 23:19

Tgt Ion: 94 Resp: 66893

Ion Ratio Lower Upper

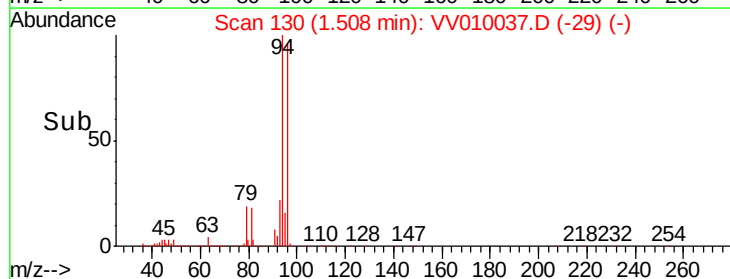
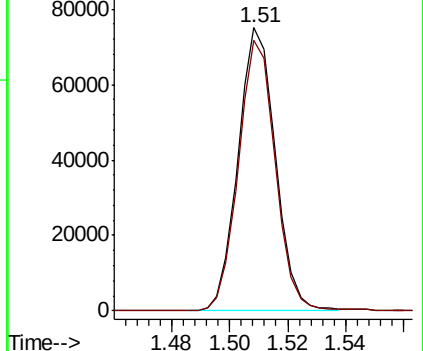
94 100

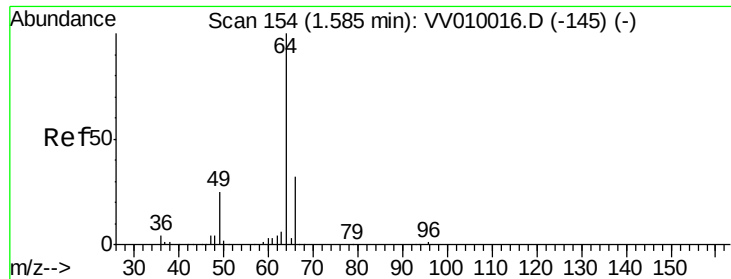
96 94.9 9.4 179.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 21.064 ug/L

RT: 1.57 min Scan# 149

Delta R.T. -0.02 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

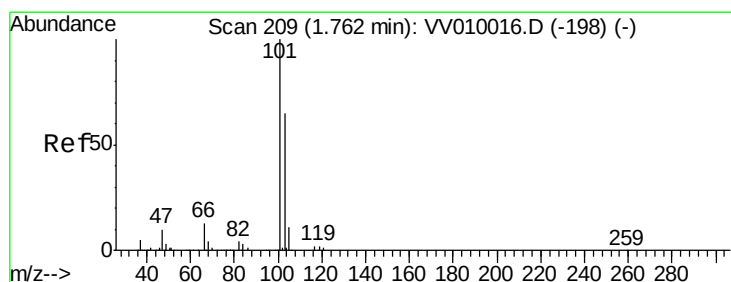
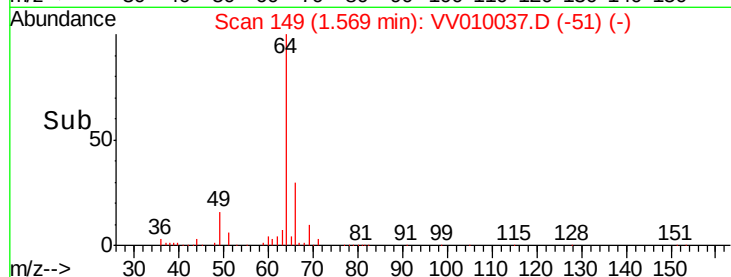
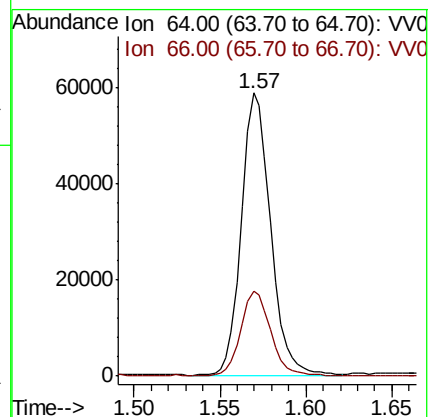
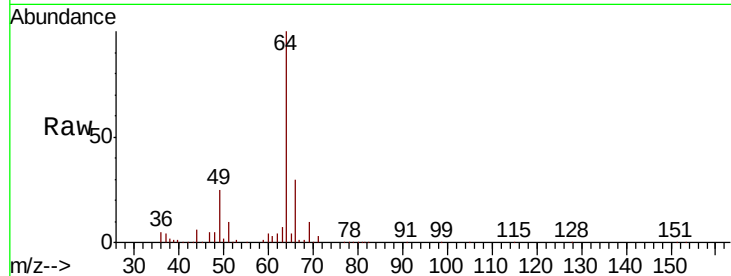
VSTD02575

Tgt Ion: 64 Resp: 69118

Ion Ratio Lower Upper

64 100

66 30.1 22.3 41.5



#9

Trichlorofluoromethane

Concen: 21.740 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.01 min

Lab File: VV010037.D

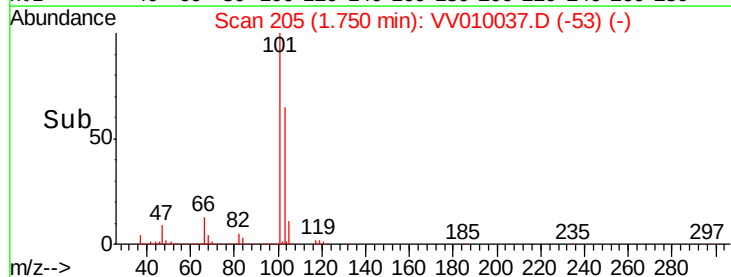
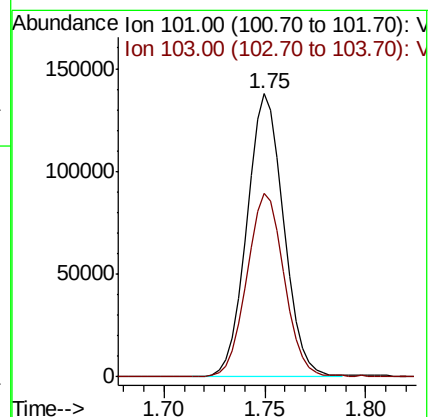
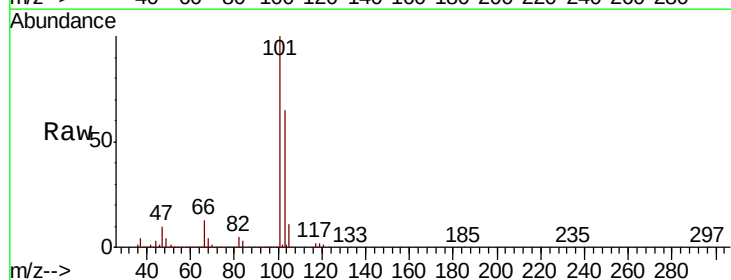
Acq: 30 Mar 2019 23:19

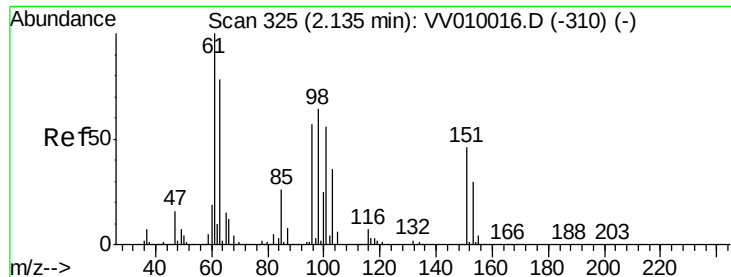
Tgt Ion: 101 Resp: 176598

Ion Ratio Lower Upper

101 100

103 65.6 45.1 83.9





#11

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

Concen: 20.189 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

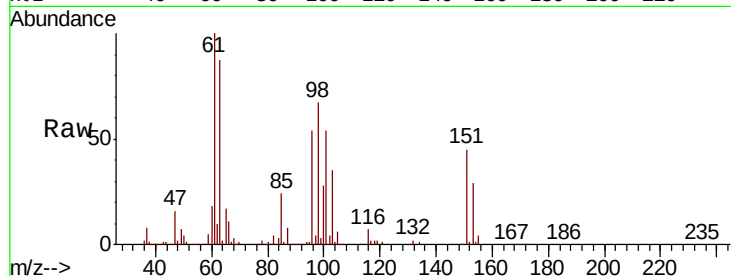
Tgt Ion:101 Resp: 95324

Ion Ratio Lower Upper

101 100

85 45.5 36.9 55.3

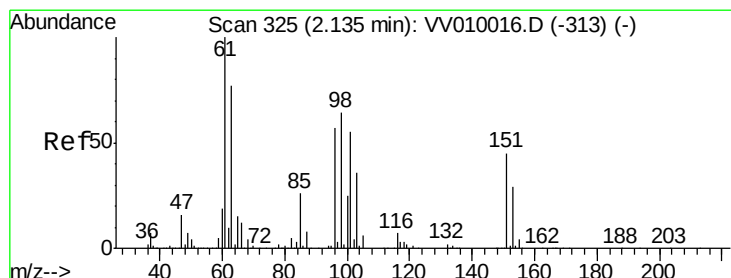
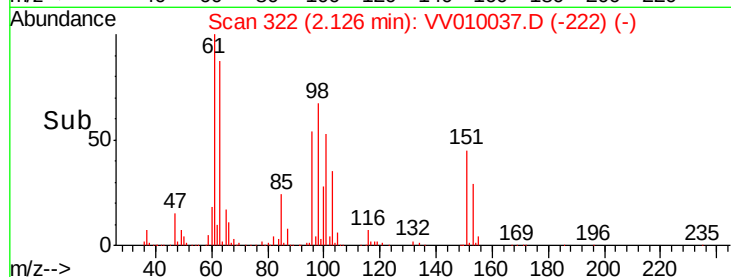
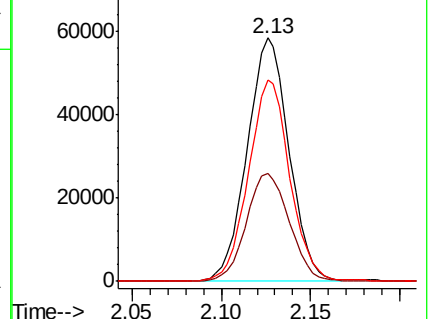
151 81.8 63.6 95.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 21.530 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

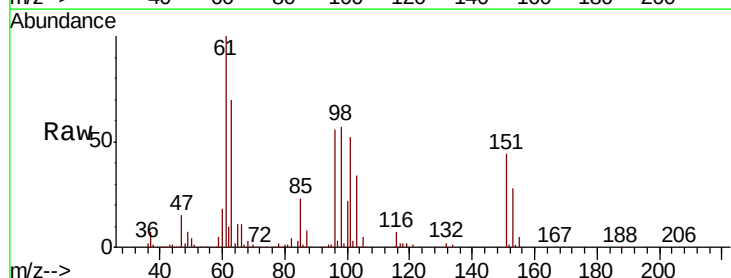
Tgt Ion: 96 Resp: 86234

Ion Ratio Lower Upper

96 100

61 178.9 124.3 230.8

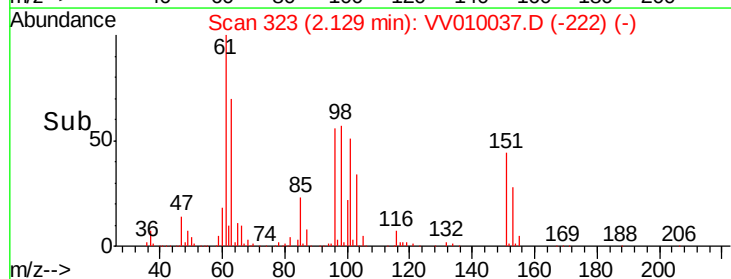
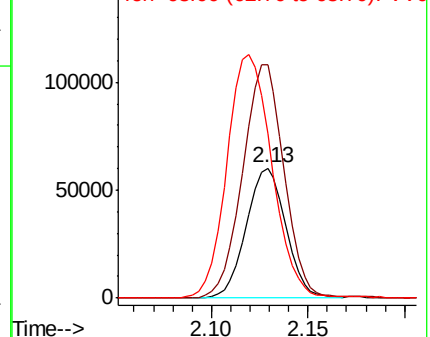
63 125.6 88.2 163.8

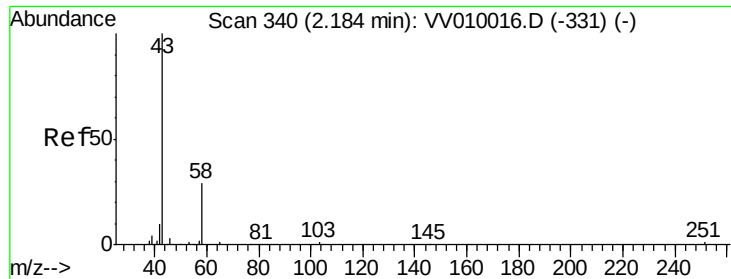


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 41.174 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

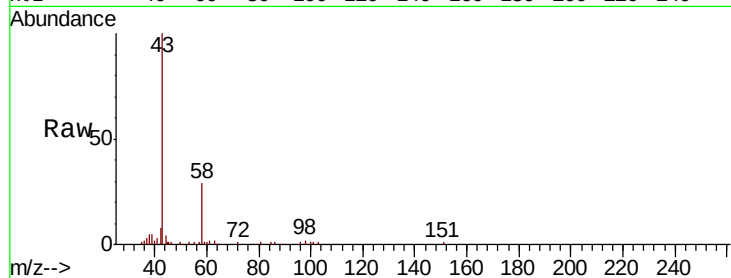
VSTD02575

Tgt Ion: 43 Resp: 38596

Ion Ratio Lower Upper

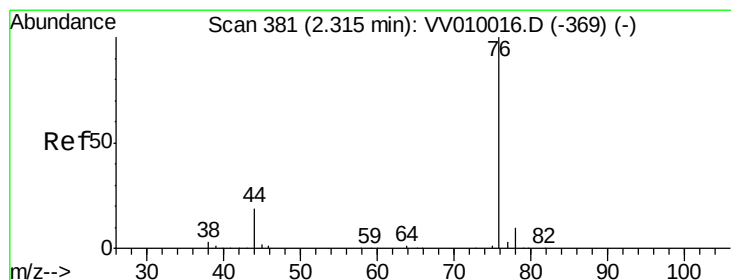
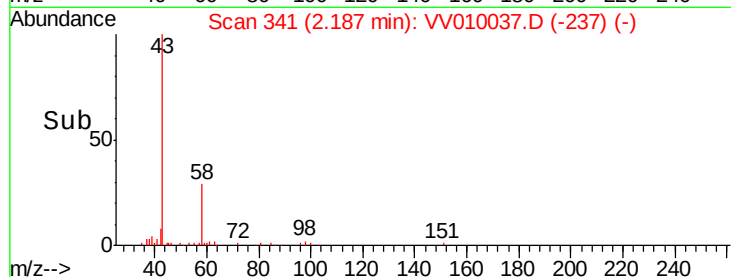
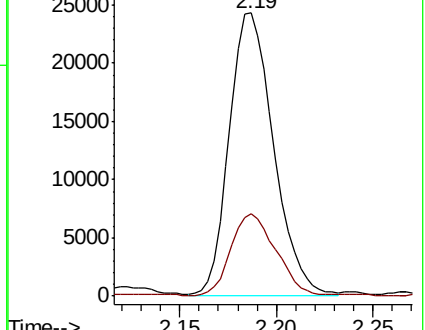
43 100

58 29.6 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV010016.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010016.D (-331) (-)



#14

Carbon disulfide

Concen: 18.846 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV010037.D

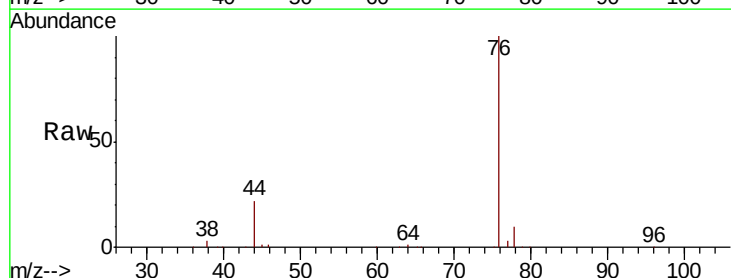
Acq: 30 Mar 2019 23:19

Tgt Ion: 76 Resp: 102125

Ion Ratio Lower Upper

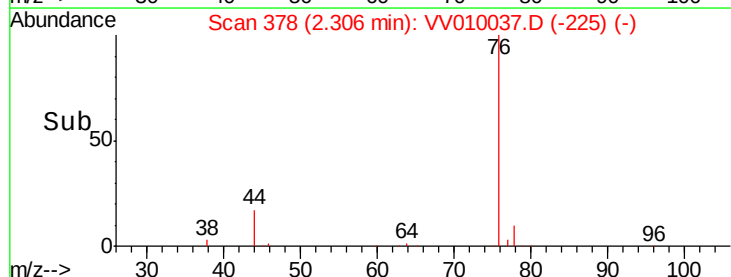
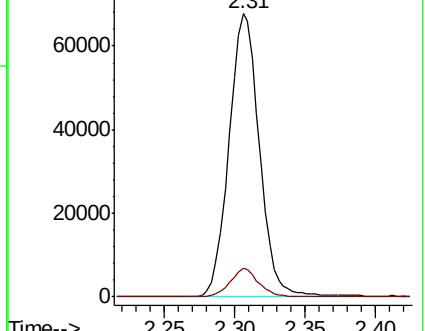
76 100

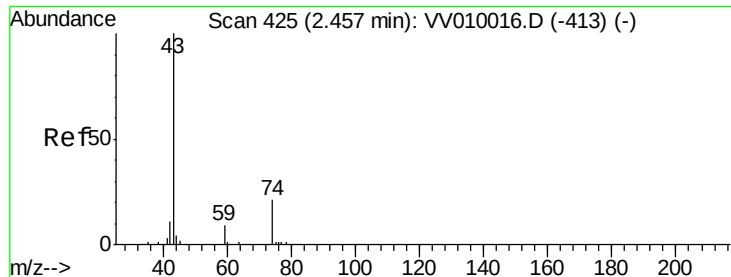
78 10.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV010016.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010016.D (-369) (-)





#15

Methyl Acetate

Concen: 29.139 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

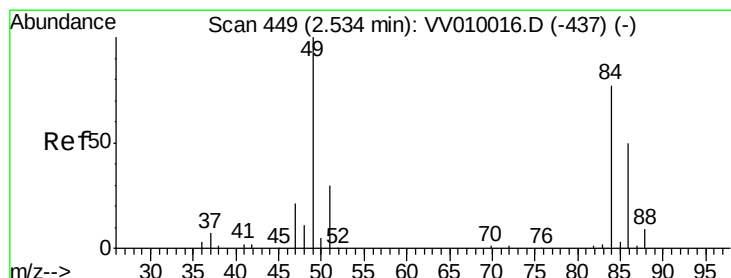
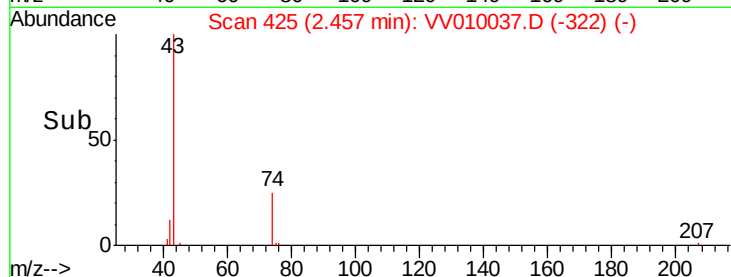
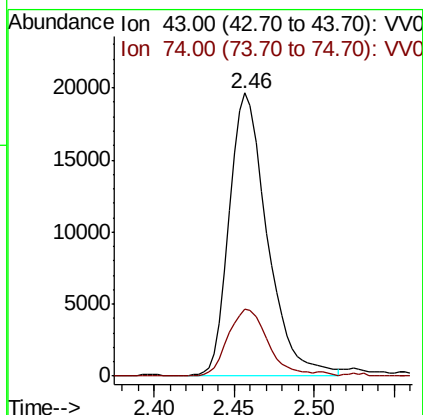
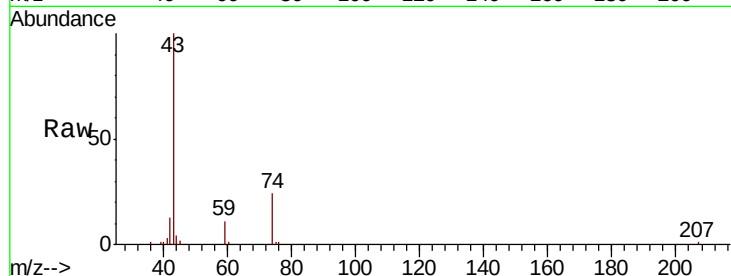
VSTD02575

Tgt Ion: 43 Resp: 31995

Ion Ratio Lower Upper

43 100

74 24.7 20.9 31.3



#16

Methylene chloride

Concen: 21.654 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

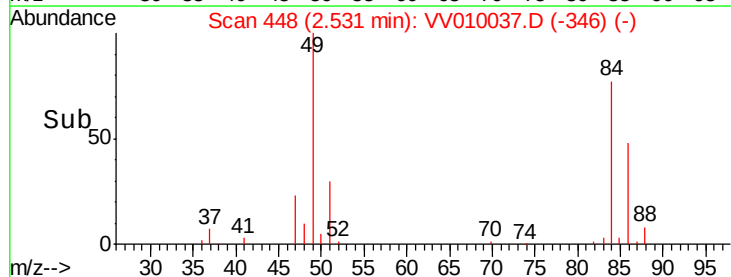
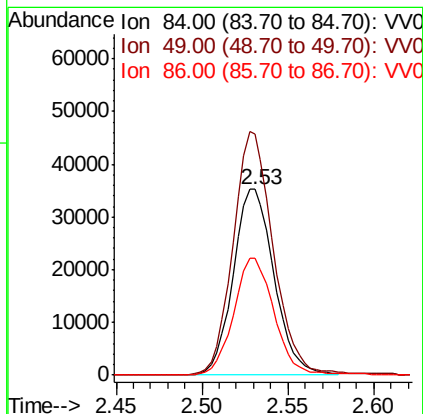
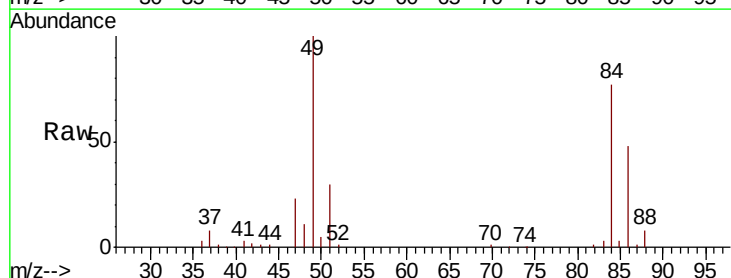
Tgt Ion: 84 Resp: 58384

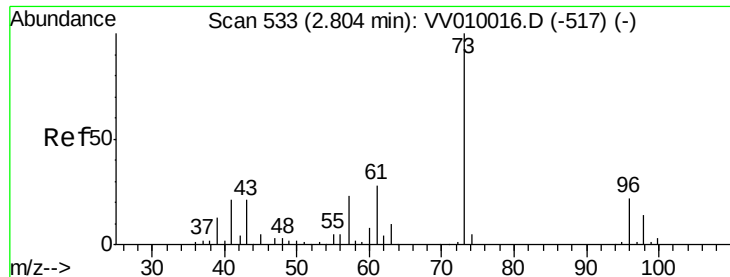
Ion Ratio Lower Upper

84 100

49 129.7 90.4 167.8

86 62.6 44.0 81.6

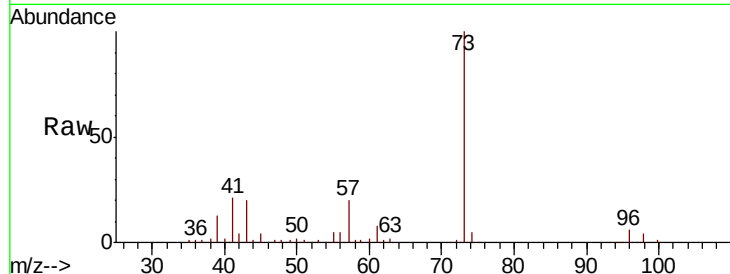




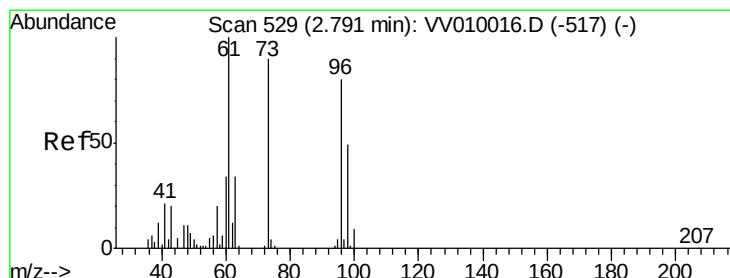
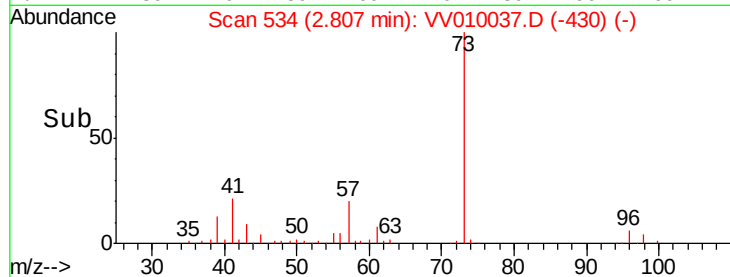
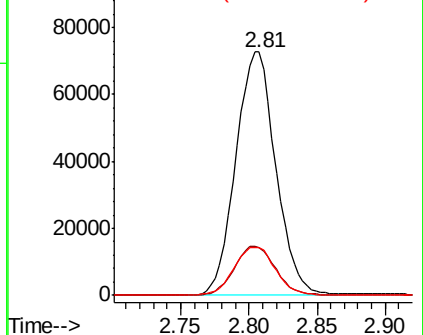
#17
Methyl tert-butyl Ether
Concen: 28.350 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV010037.D
Acq: 30 Mar 2019 23:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD02575

Tgt Ion: 73 Resp: 148162
Ion Ratio Lower Upper
73 100
43 20.9 17.0 25.6
57 20.7 18.0 27.0

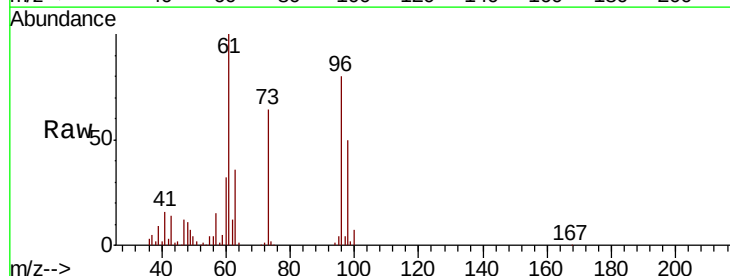


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

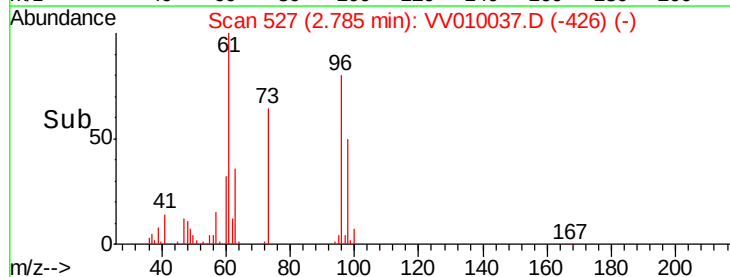
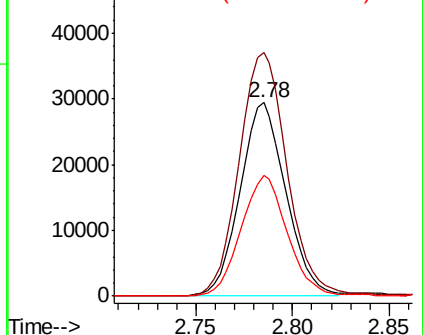


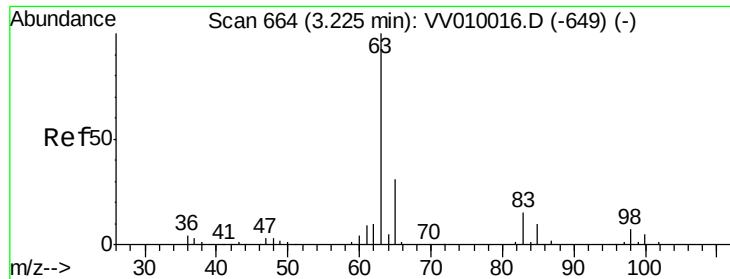
#18
trans-1,2-Dichloroethene
Concen: 22.637 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV010037.D
Acq: 30 Mar 2019 23:19

Tgt Ion: 96 Resp: 48564
Ion Ratio Lower Upper
96 100
61 125.8 96.8 179.8
98 62.3 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

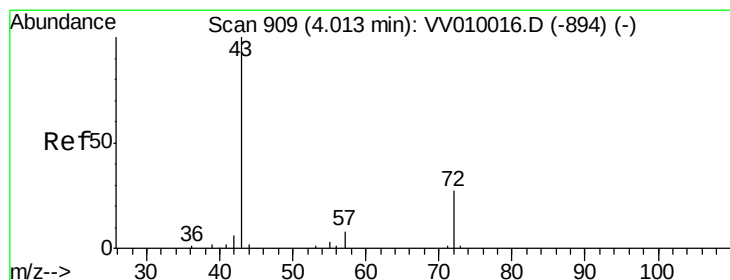
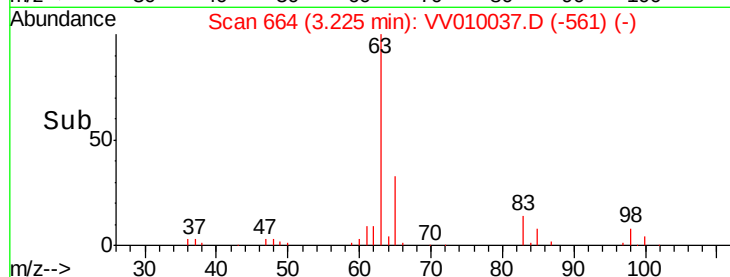
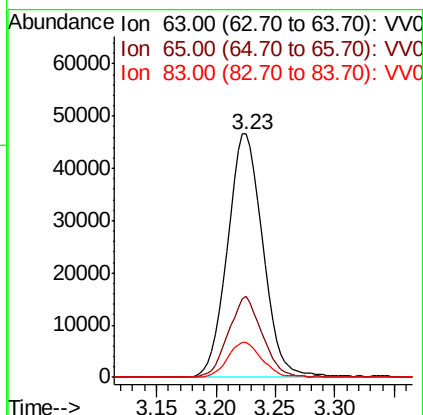
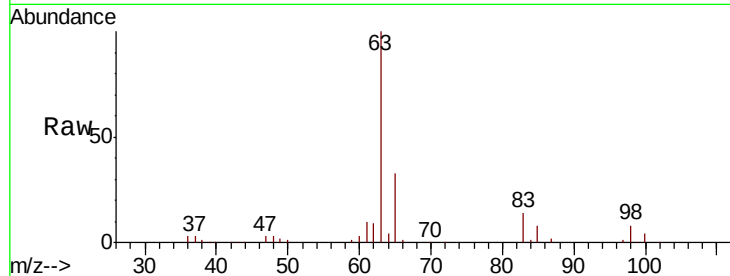




#19
 1,1-Dichloroethane
 Concen: 24.525 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

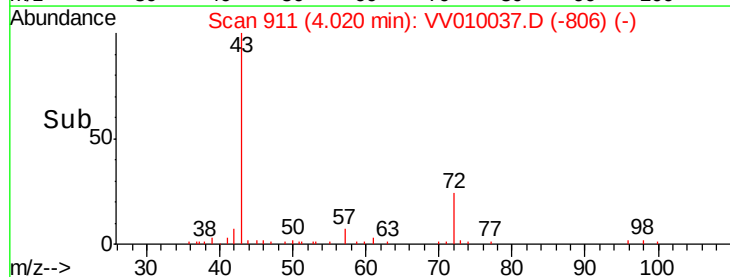
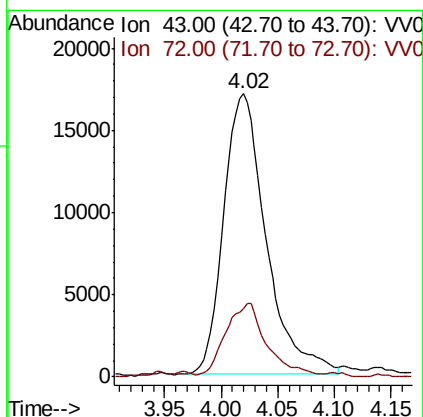
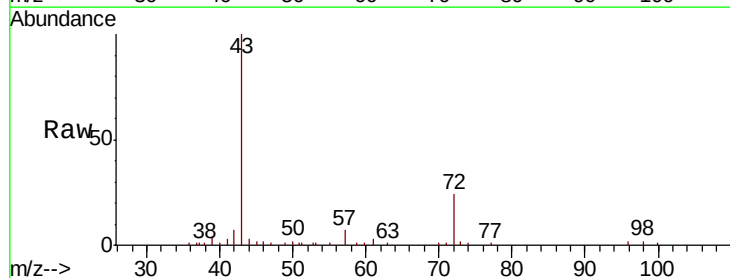
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

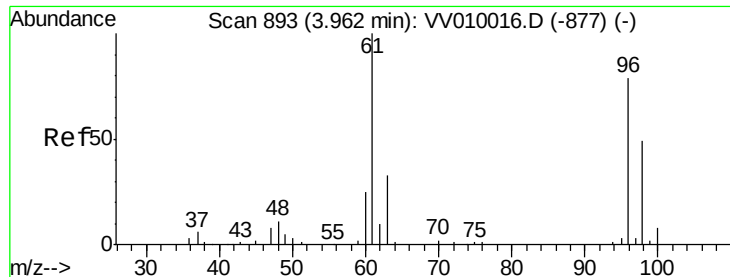
Tgt Ion: 63 Resp: 96220
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.2 43.0
 83 14.4 11.3 21.1



#21
 2-Butanone
 Concen: 53.254 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Tgt Ion: 43 Resp: 44459
 Ion Ratio Lower Upper
 43 100
 72 23.2 11.1 33.1



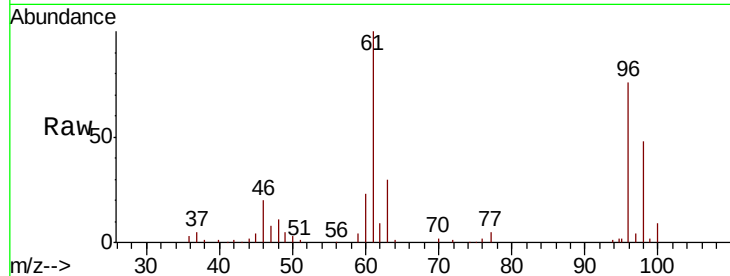


#22

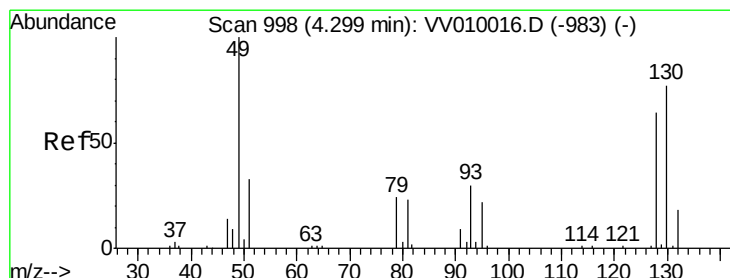
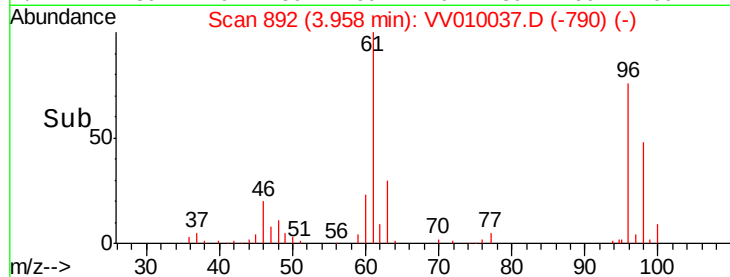
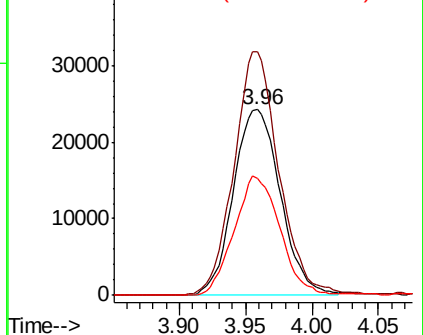
cis-1,2-Dichloroethene
Concen: 25.300 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV010037.D
Acq: 30 Mar 2019 23:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD02575

Tgt Ion: 96 Resp: 59931
Ion Ratio Lower Upper
96 100
61 131.0 91.4 169.8
98 62.9 48.0 89.2



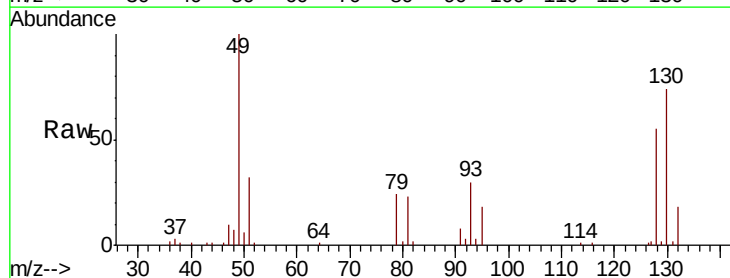
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



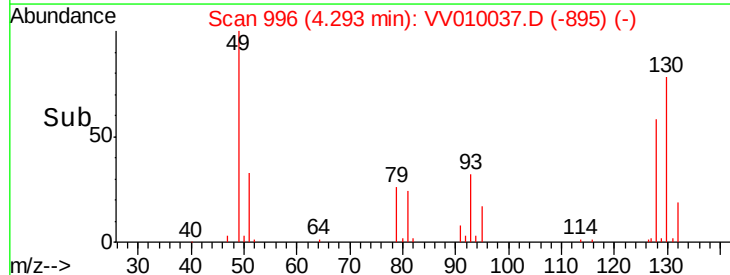
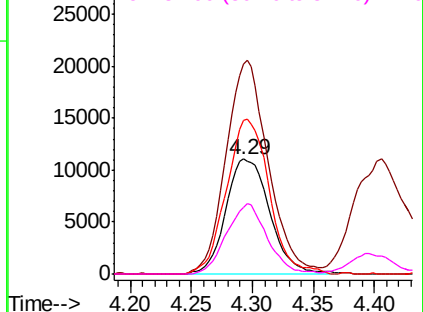
#23

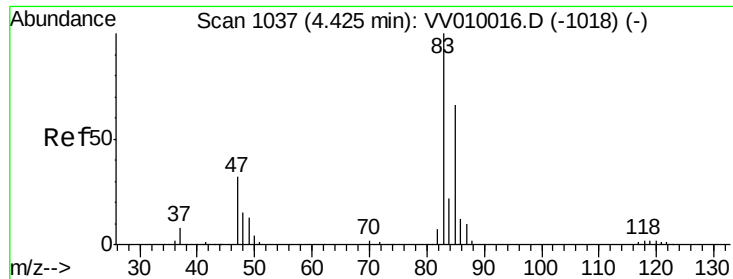
Bromochloromethane
Concen: 25.341 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.01 min
Lab File: VV010037.D
Acq: 30 Mar 2019 23:19

Tgt Ion: 128 Resp: 27717
Ion Ratio Lower Upper
128 100
49 182.3 118.2 219.6
130 134.2 83.4 154.8
51 58.5 39.4 59.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

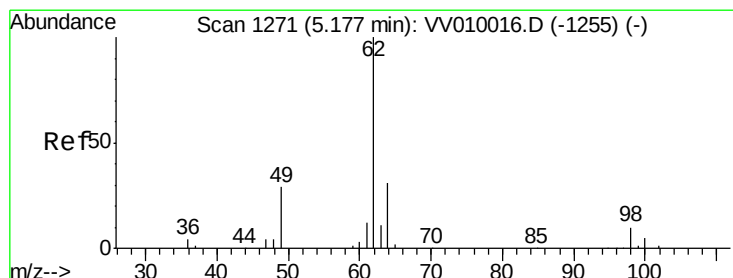
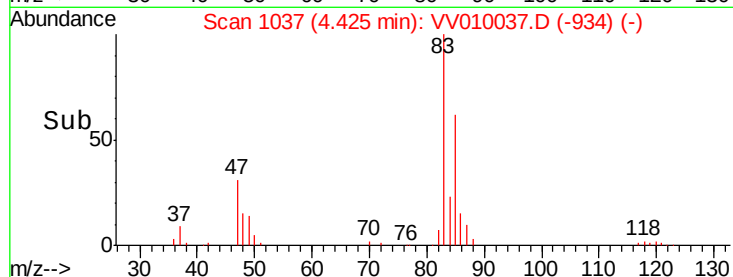
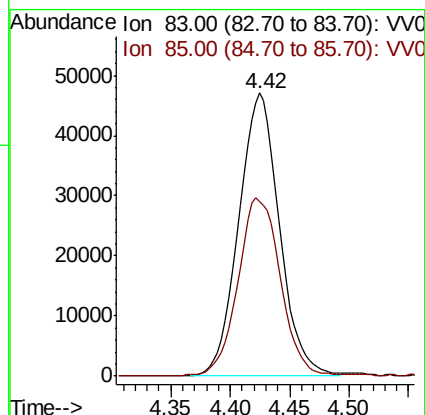
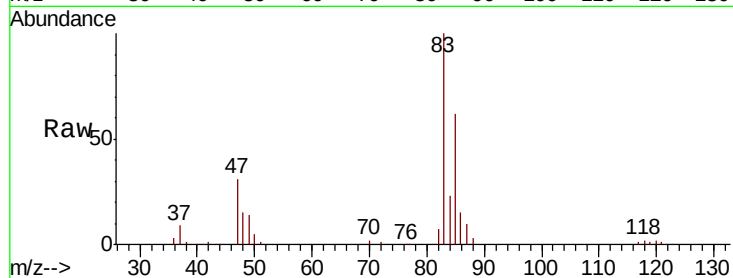




#25
Chloroform
Concen: 25.734 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010037.D
Acq: 30 Mar 2019 23:19

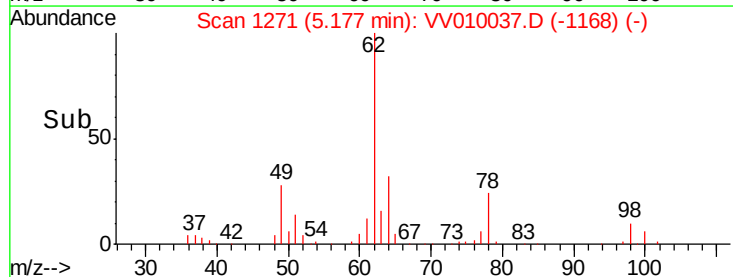
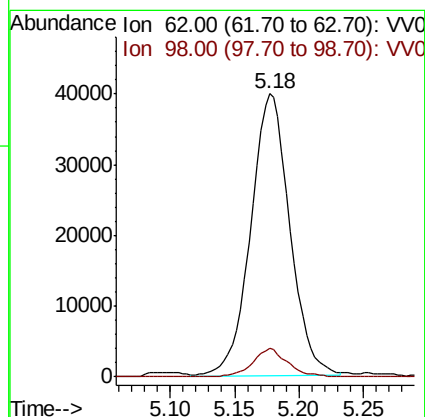
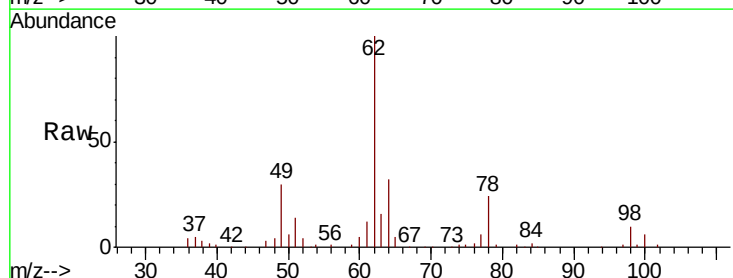
Instrument :
MSVOA_V
ClientSampleId :
VSTD02575

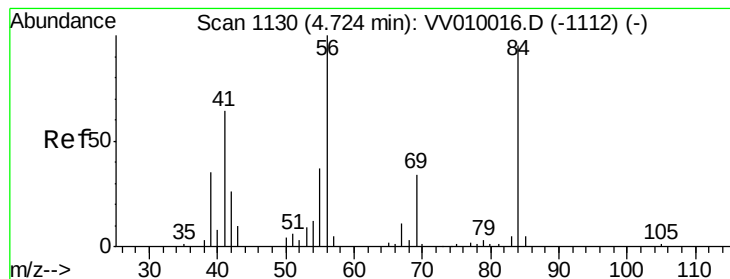
Tgt Ion: 83 Resp: 111629
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 27.346 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV010037.D
Acq: 30 Mar 2019 23:19

Tgt Ion: 62 Resp: 84046
Ion Ratio Lower Upper
62 100
98 10.0 7.2 10.8





#30

Cyclohexane

Concen: 18.909 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

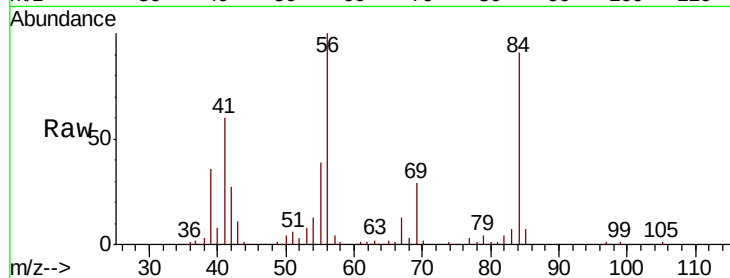
Tgt Ion: 56 Resp: 64206

Ion Ratio Lower Upper

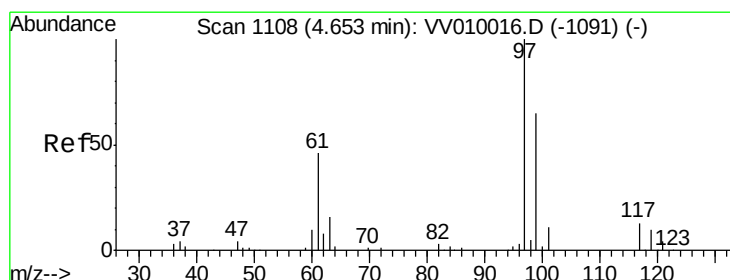
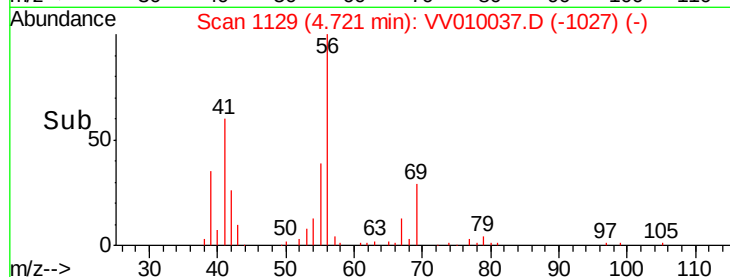
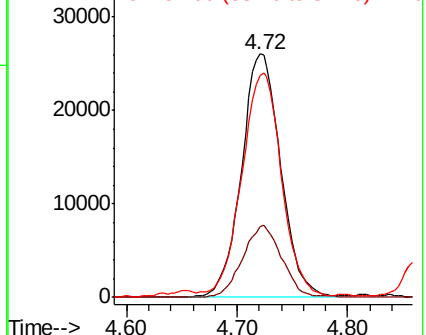
56 100

69 29.0 24.5 36.7

84 94.1 75.6 113.4



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: 22.960 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

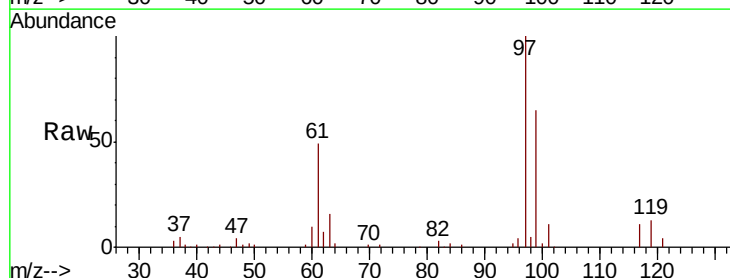
Tgt Ion: 97 Resp: 77379

Ion Ratio Lower Upper

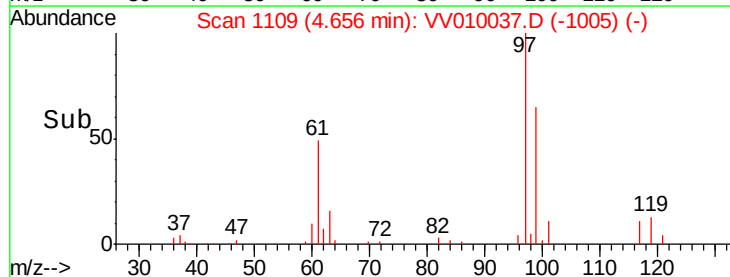
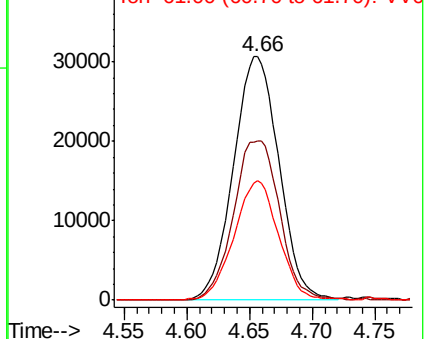
97 100

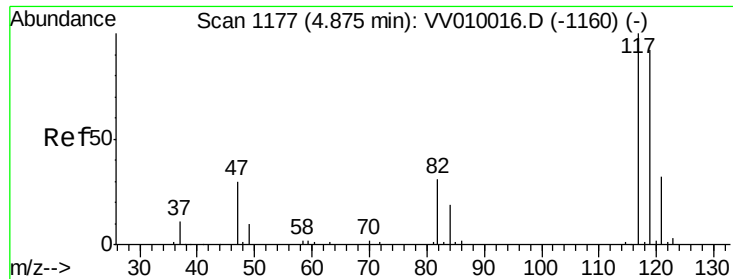
99 31.3 51.5 77.3#

61 47.9 39.4 59.0



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: 21.482 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

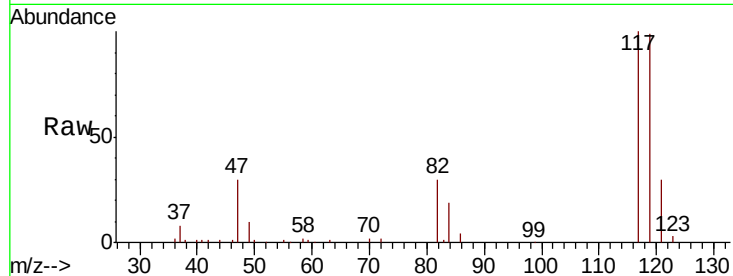
VSTD02575

Tgt Ion:117 Resp: 62928

Ion Ratio Lower Upper

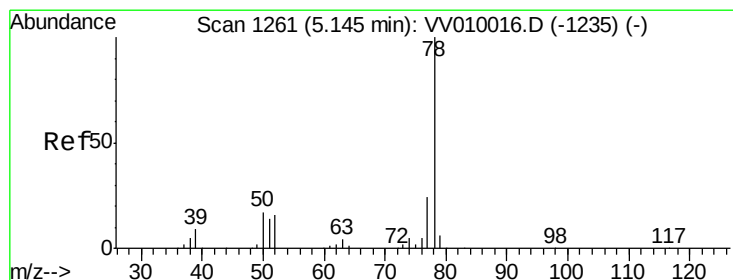
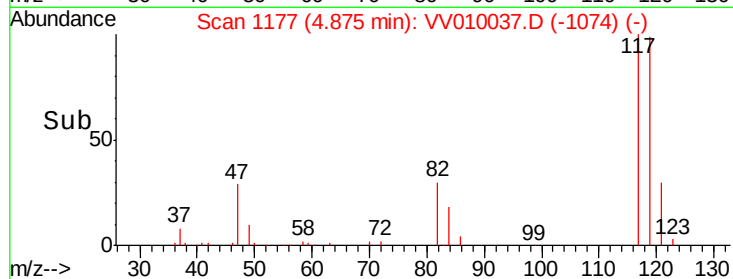
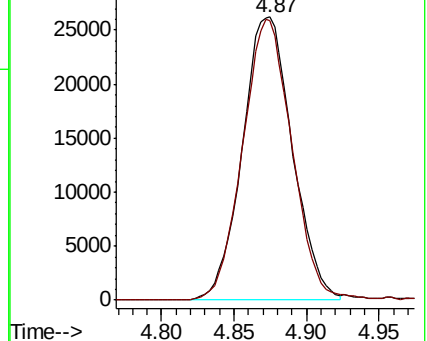
117 100

119 97.5 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.403 ug/L

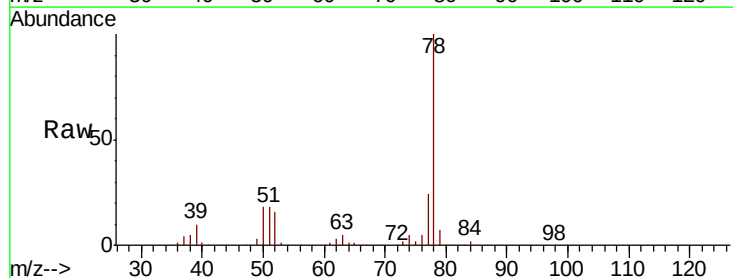
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

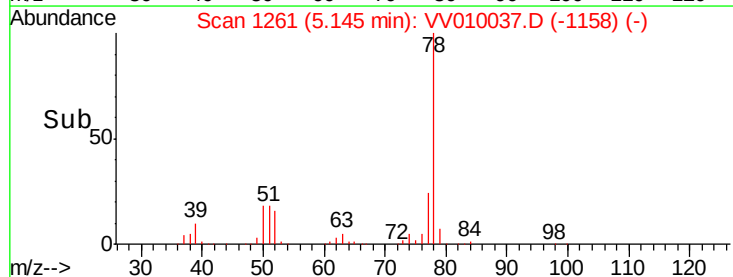
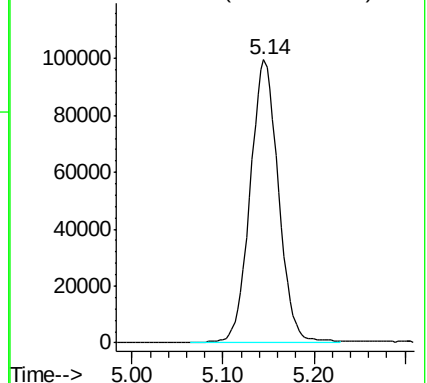
Lab File: VV010037.D

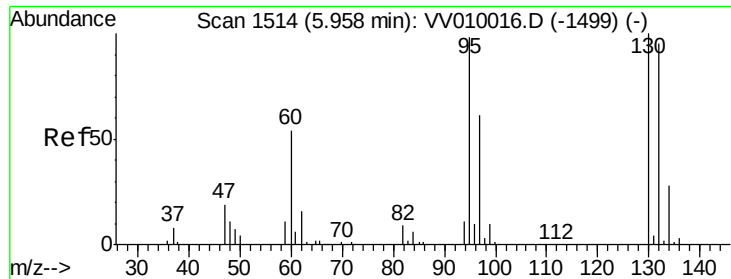
Acq: 30 Mar 2019 23:19

Tgt Ion: 78 Resp: 216420



Abundance Ion 78.00 (77.70 to 78.70): VV0

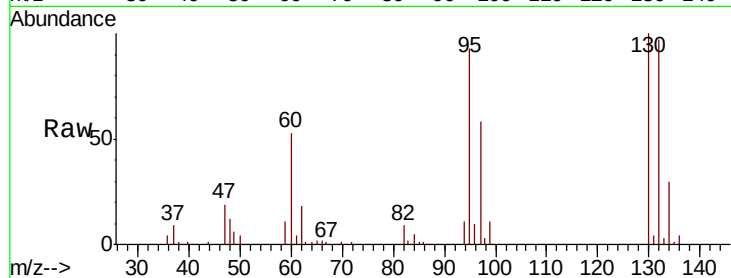




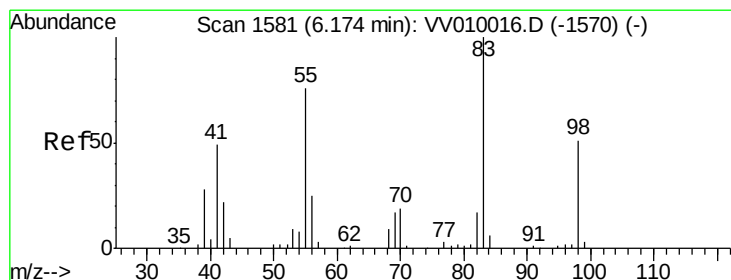
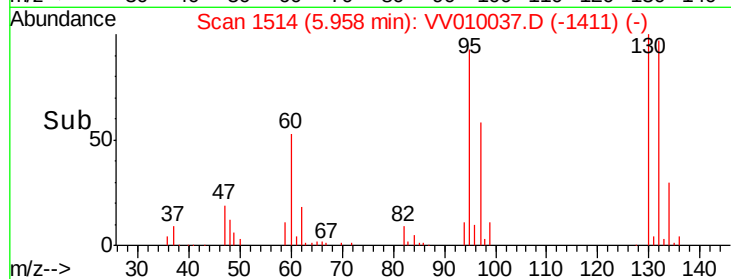
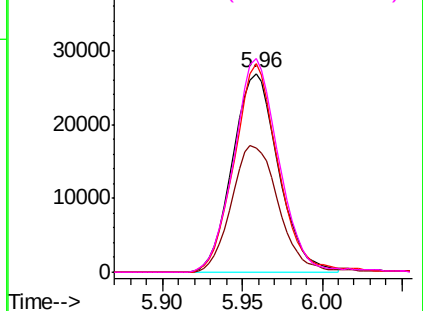
#35
 Trichloroethene
 Concen: 21.620 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

Tgt Ion: 95 Resp: 52739
 Ion Ratio Lower Upper
 95 100
 97 64.8 46.3 85.9
 132 100.4 69.3 128.7
 130 104.5 69.5 129.1

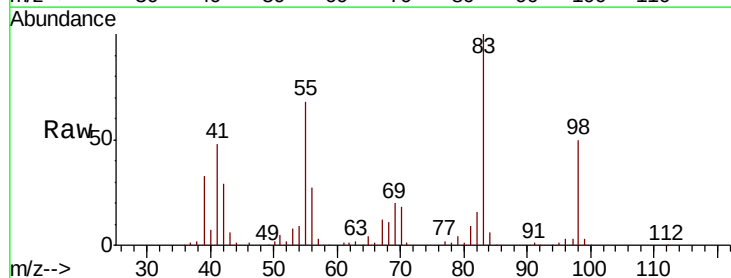


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

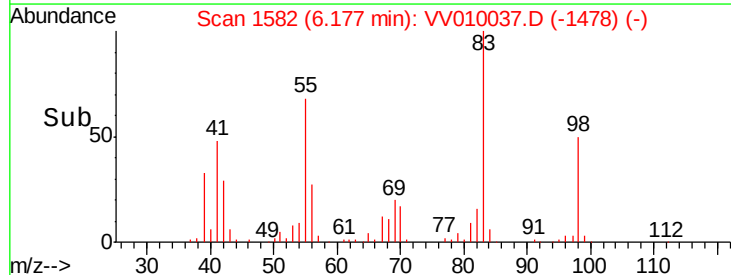
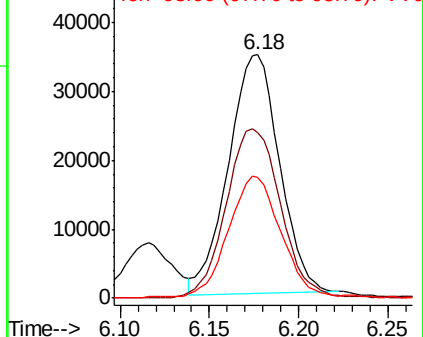


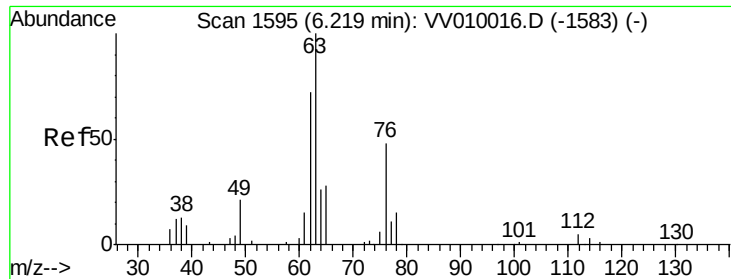
#36
 Methylcyclohexane
 Concen: 18.193 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Tgt Ion: 83 Resp: 69627
 Ion Ratio Lower Upper
 83 100
 55 75.6 57.3 85.9
 98 52.3 39.2 58.8



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

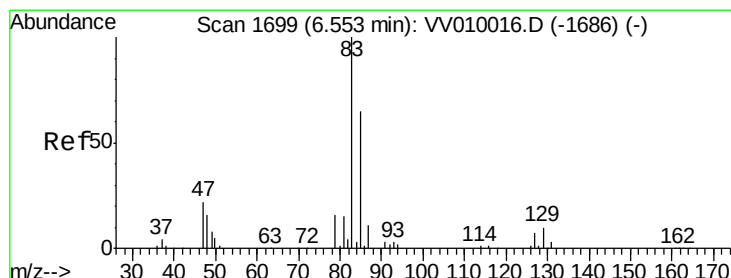
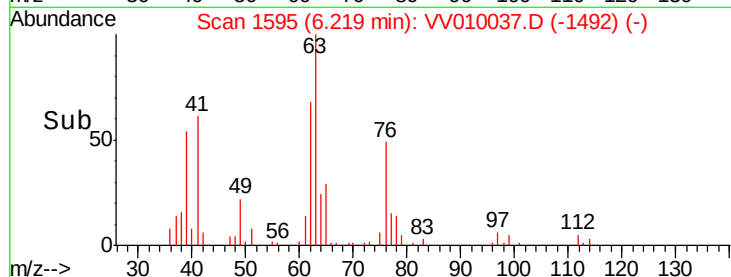
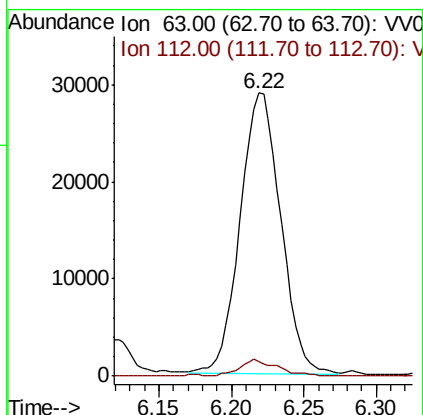
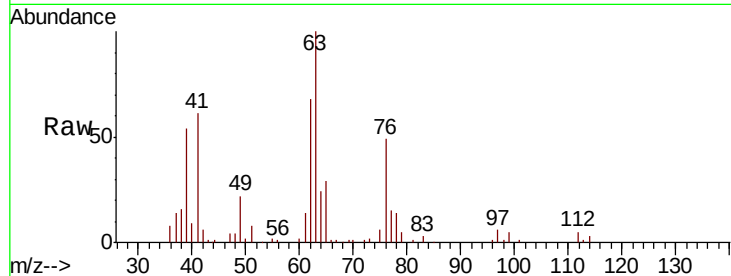




#40
 1,2-Dichloropropane
 Concen: 24.288 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

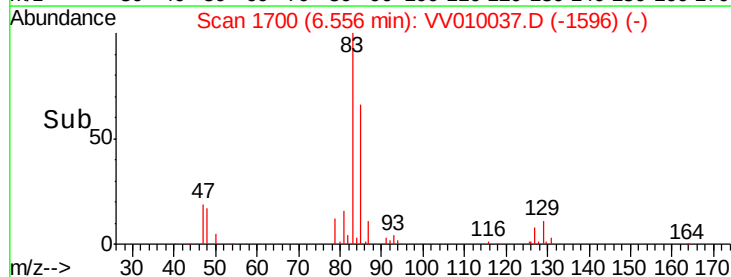
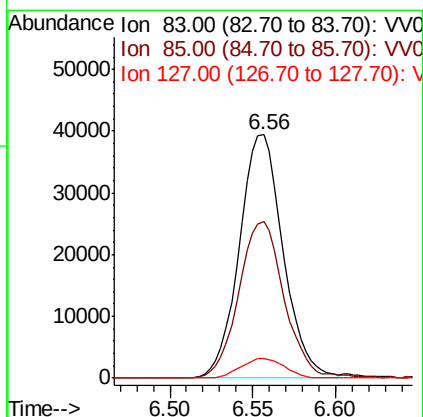
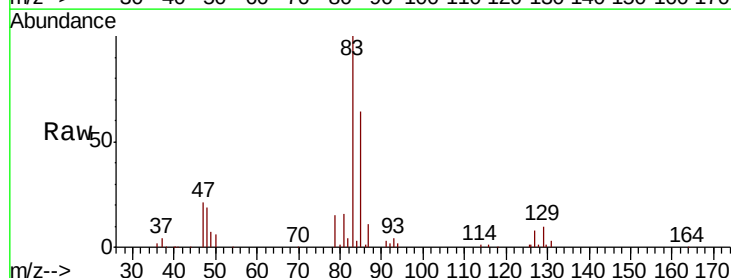
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

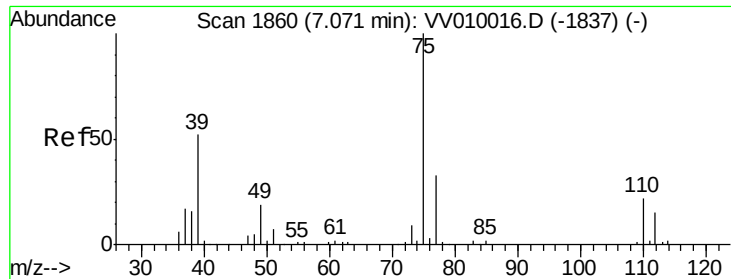
Tgt Ion: 63 Resp: 56125
 Ion Ratio Lower Upper
 63 100
 112 3.8 2.1 3.1#



#41
 Bromodichloromethane
 Concen: 25.156 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Tgt Ion: 83 Resp: 72294
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.6 84.8
 127 7.9 6.2 9.4



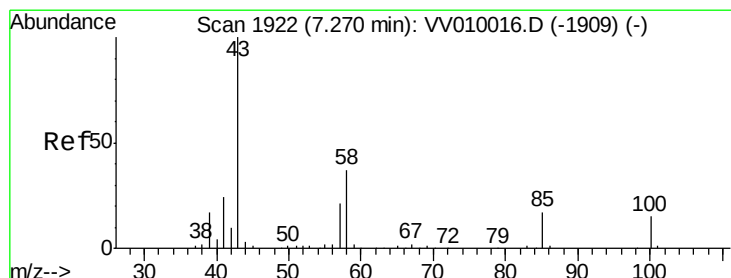
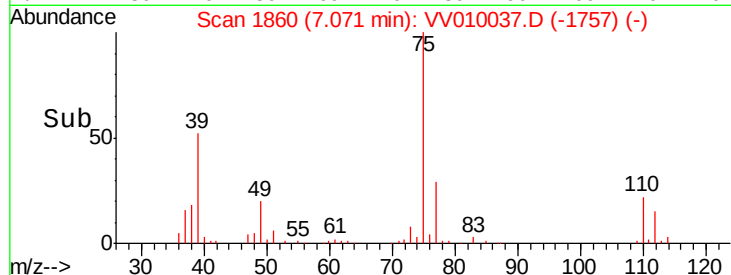
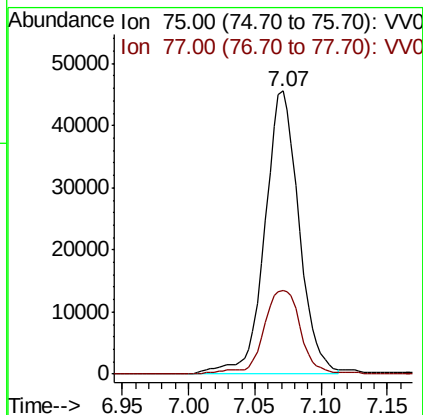
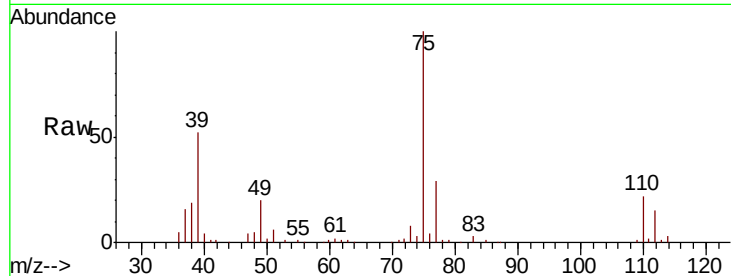


#42

cis-1,3-Dichloropropene
 Concen: 24.263 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

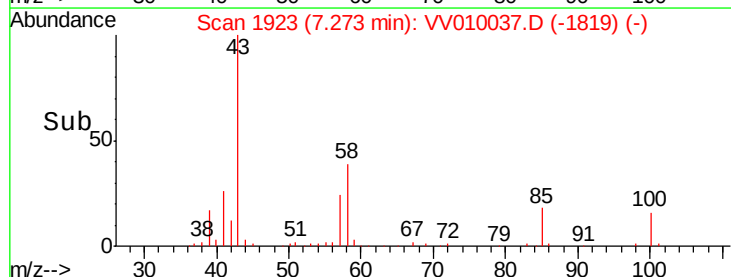
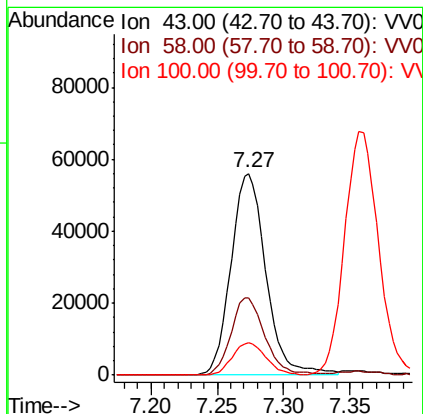
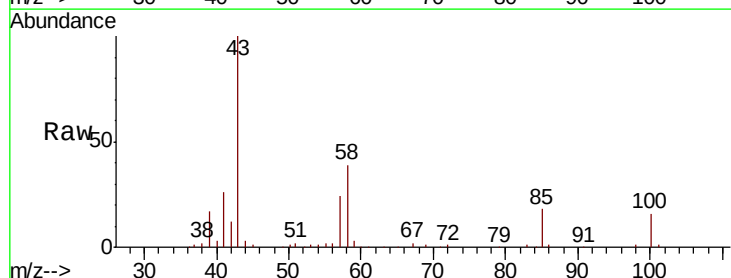
Tgt Ion: 75 Resp: 81743
 Ion Ratio Lower Upper
 75 100
 77 29.5 21.8 40.6

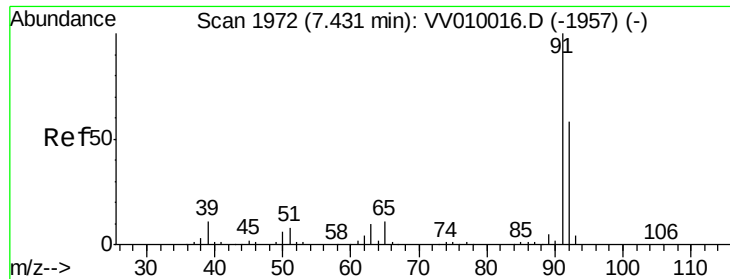


#43

4-Methyl-2-pentanone
 Concen: 62.413 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Tgt Ion: 43 Resp: 102921
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.4 44.2
 100 15.4 12.2 18.4





#44

Toluene

Concen: 22.536 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

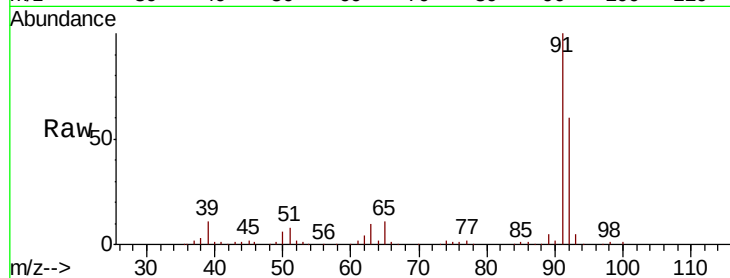
VSTD02575

Tgt Ion: 91 Resp: 229752

Ion Ratio Lower Upper

91 100

92 59.7 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

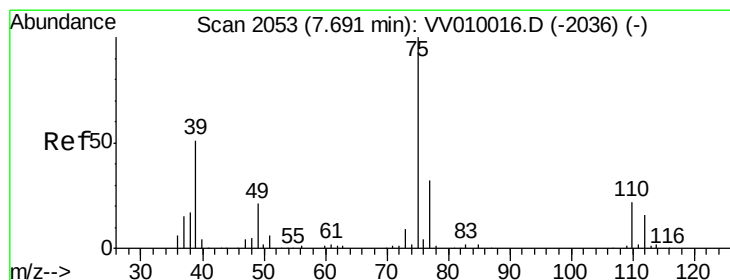
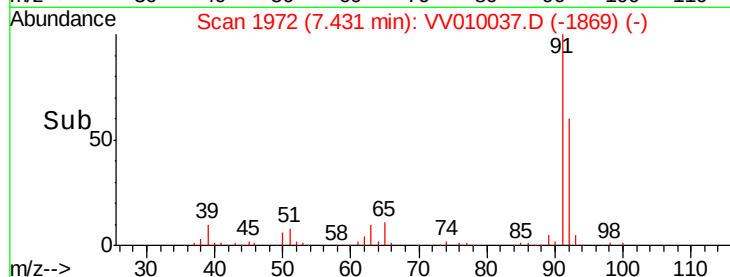
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.087 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010037.D

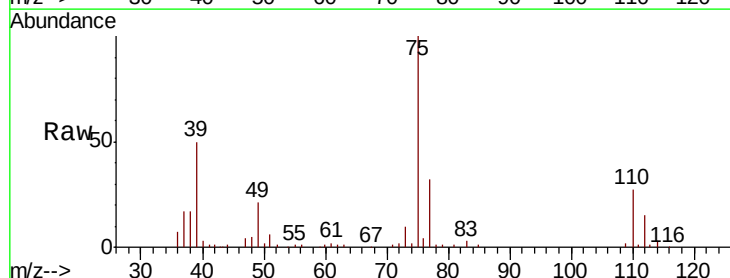
Acq: 30 Mar 2019 23:19

Tgt Ion: 75 Resp: 71947

Ion Ratio Lower Upper

75 100

77 31.5 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

40000

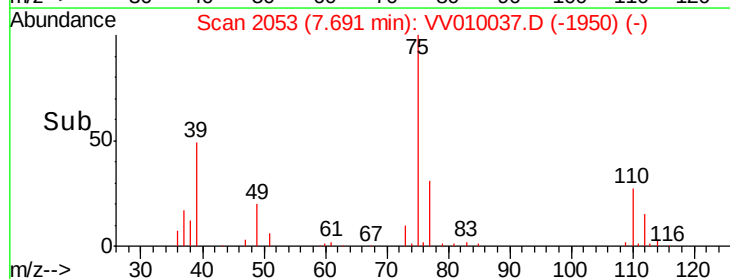
30000

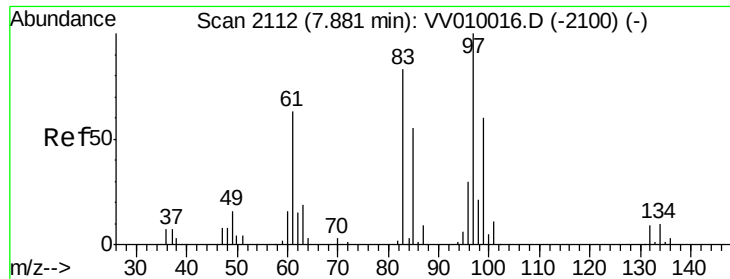
20000

10000

0

Time-->

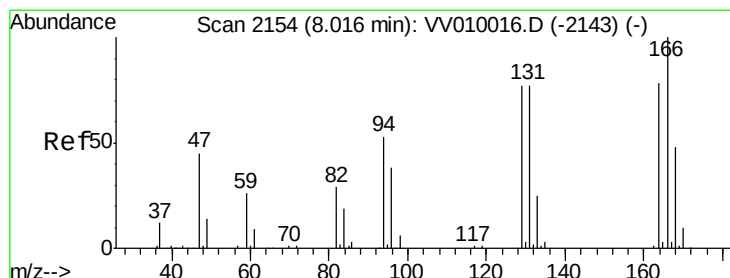
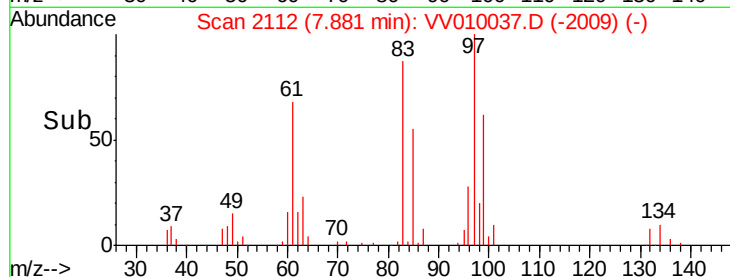
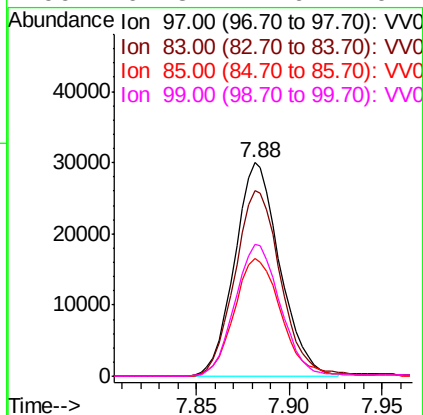
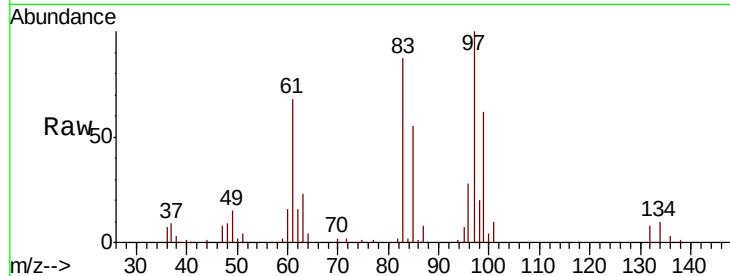




#46
 1,1,2-Trichloroethane
 Concen: 26.519 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

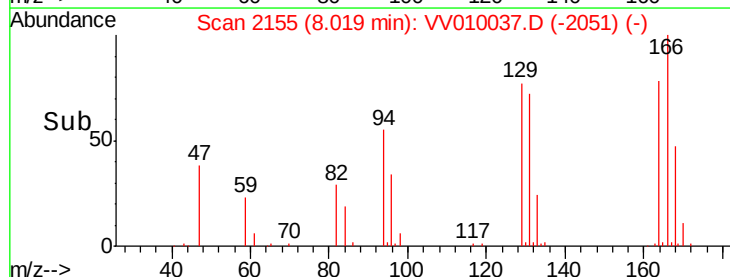
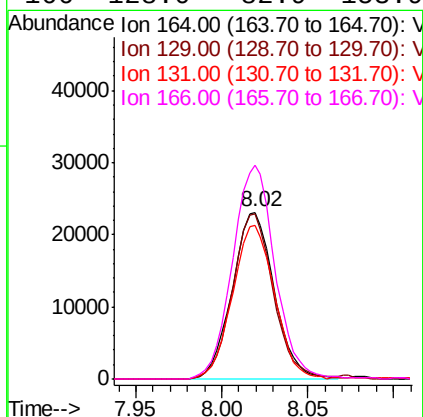
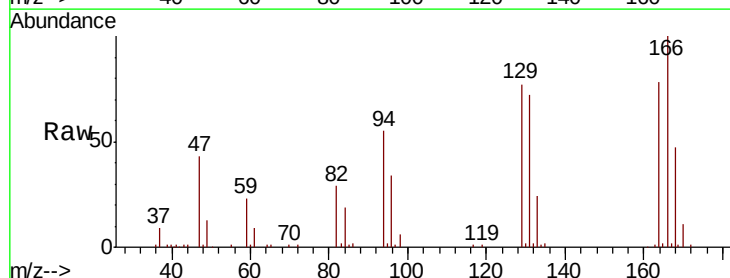
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

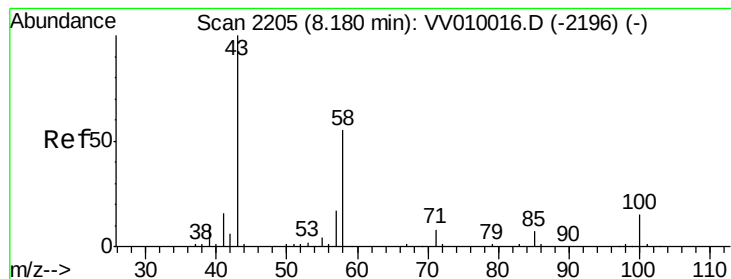
Tgt Ion:	97	Resp:	50683
Ion	Ratio	Lower	Upper
97	100		
83	86.7	59.6	110.8
85	55.0	39.2	72.8
99	61.8	42.6	79.2



#47
 Tetrachloroethene
 Concen: 20.339 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Tgt Ion:	164	Resp:	39151
Ion	Ratio	Lower	Upper
164	100		
129	98.7	64.9	120.5
131	92.0	62.0	115.2
166	128.0	82.9	153.9





#49

2-Hexanone

Concen: 63.262 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

Tgt Ion: 43 Resp: 70506

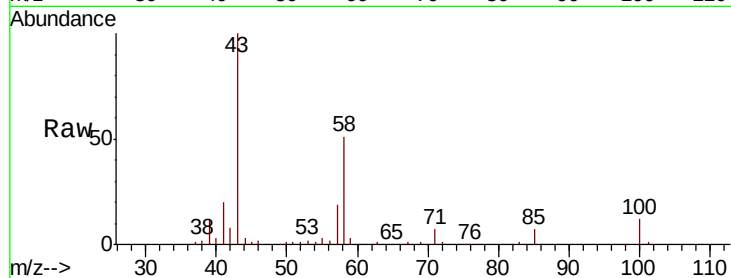
Ion Ratio Lower Upper

43 100

58 50.0 42.0 63.0

57 18.2 12.9 19.3

100 11.9 9.1 13.7

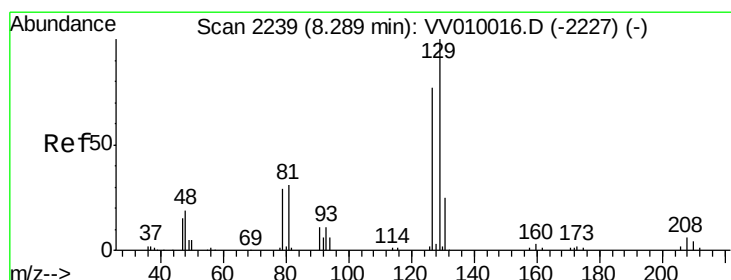
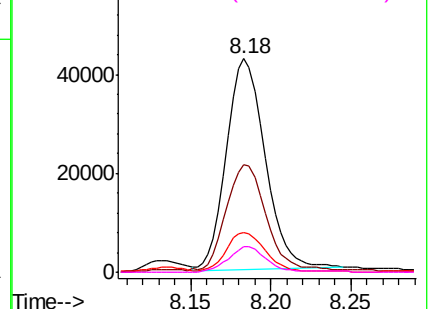
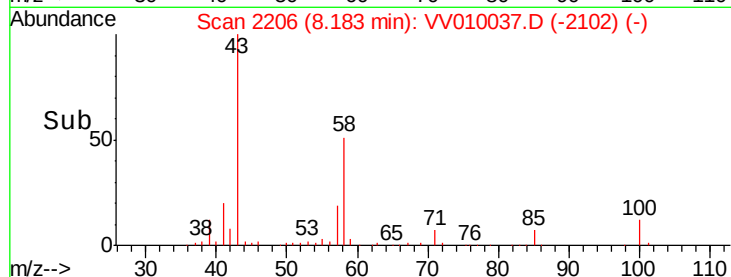


Abundance Ion 43.00 (42.70 to 43.70): VV010016.D (-2196) (-)

Ion 58.00 (57.70 to 58.70): VV010016.D (-2196) (-)

Ion 57.00 (56.70 to 57.70): VV010016.D (-2196) (-)

Ion 100.00 (99.70 to 100.70): VV010016.D (-2196) (-)



#50

Dibromochloromethane

Concen: 26.585 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV010037.D

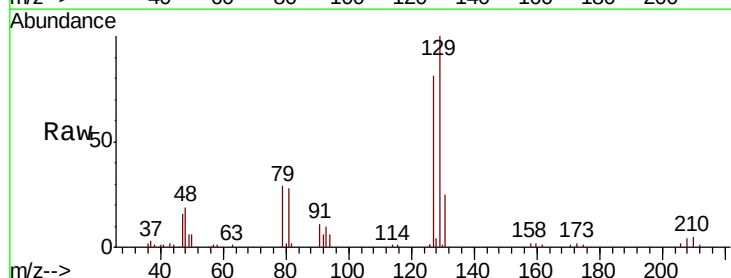
Acq: 30 Mar 2019 23:19

Tgt Ion: 129 Resp: 52684

Ion Ratio Lower Upper

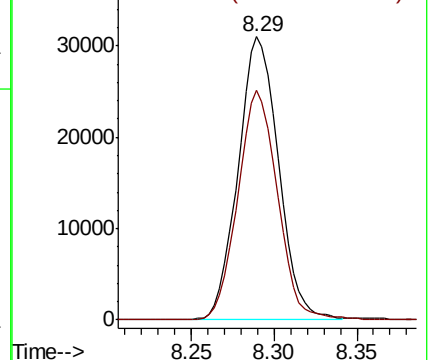
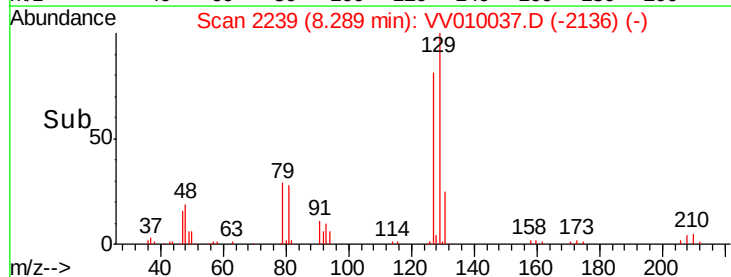
129 100

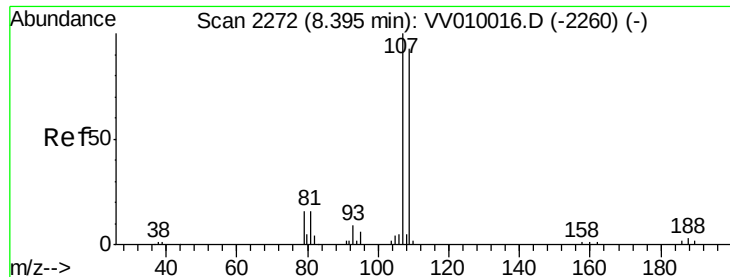
127 81.0 57.9 107.5



Abundance Ion 129.00 (128.70 to 129.70): VV010016.D (-2227) (-)

Ion 127.00 (126.70 to 127.70): VV010016.D (-2227) (-)





#51

1,2-Dibromoethane

Concen: 27.597 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

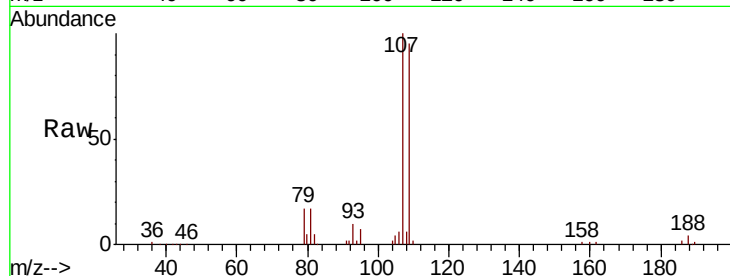
Tgt Ion:107 Resp: 51211

Ion Ratio Lower Upper

107 100

109 94.6 61.8 114.8

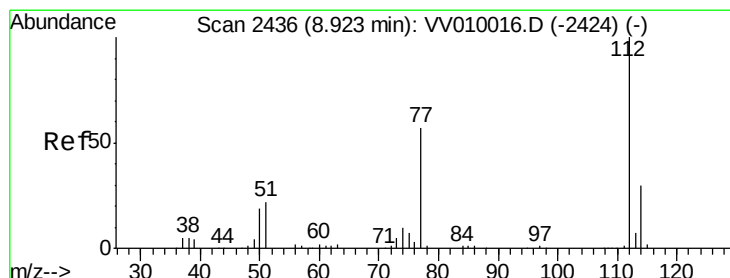
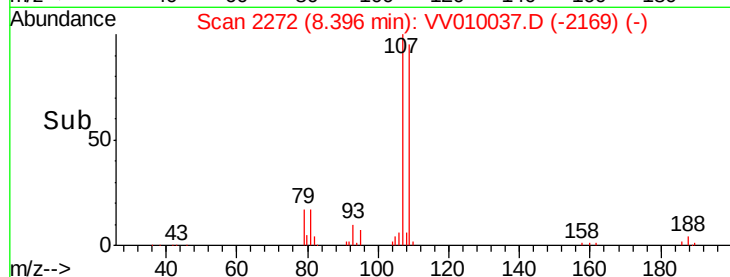
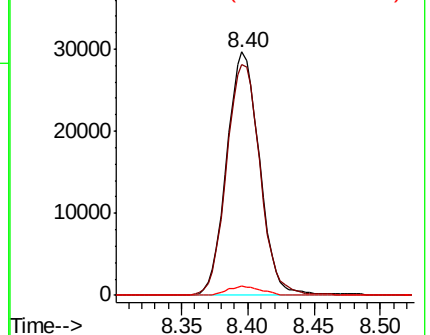
188 3.6 3.5 5.3



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: 23.257 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

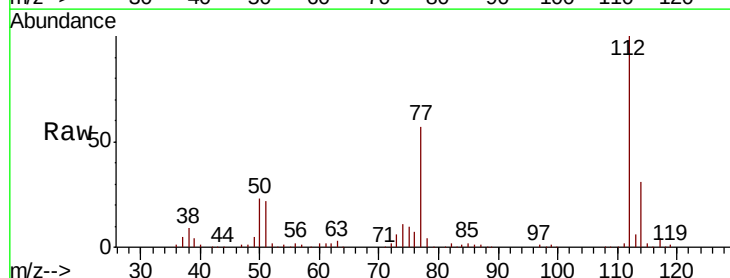
Tgt Ion:112 Resp: 157841

Ion Ratio Lower Upper

112 100

77 56.5 46.8 70.2

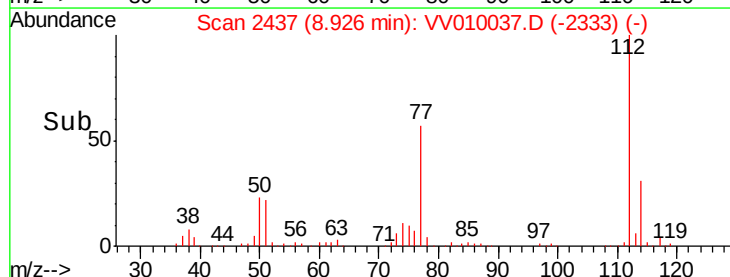
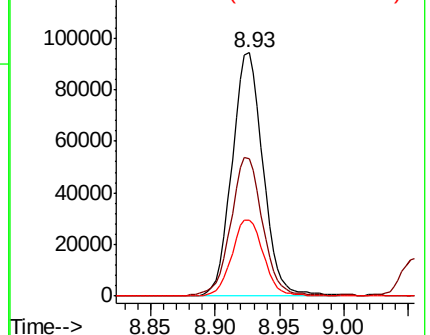
114 31.4 22.3 41.5

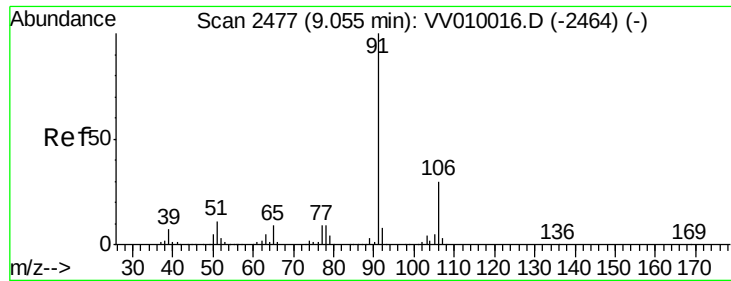


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 22.291 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

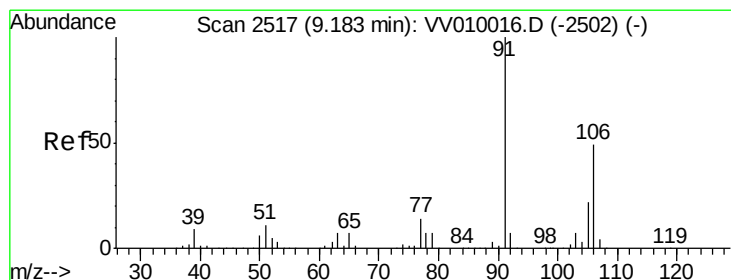
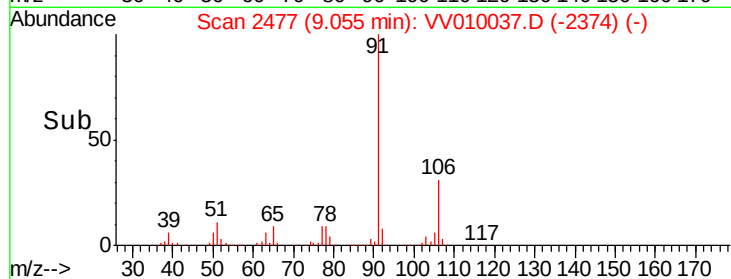
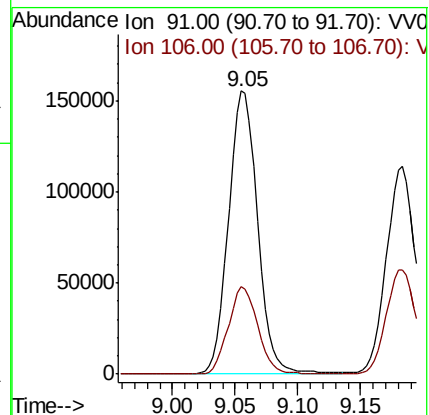
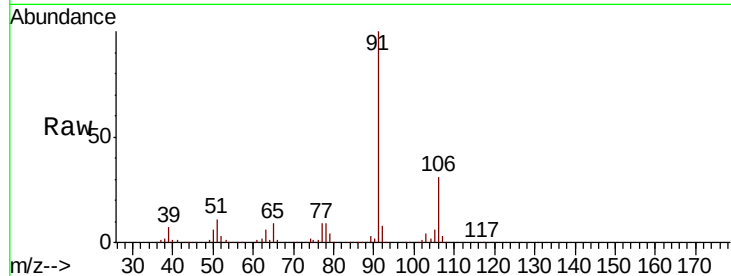
VSTD02575

Tgt Ion: 91 Resp: 250684

Ion Ratio Lower Upper

91 100

106 30.9 22.3 41.3



#54

m,p-Xylene

Concen: 21.880 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010037.D

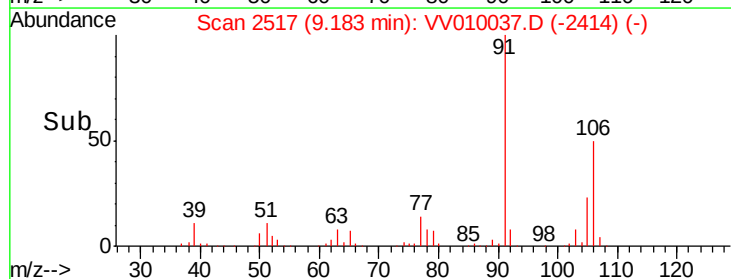
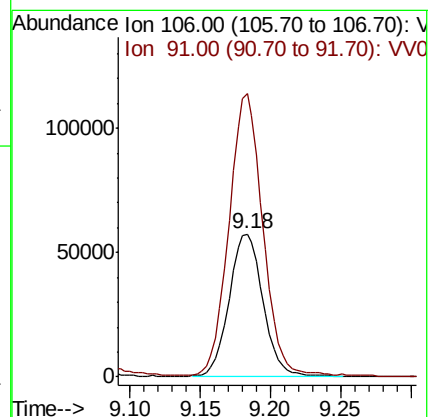
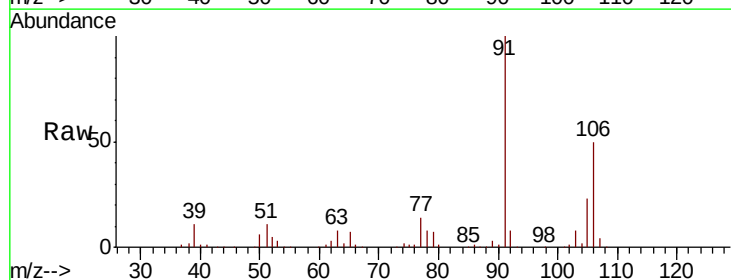
Acq: 30 Mar 2019 23:19

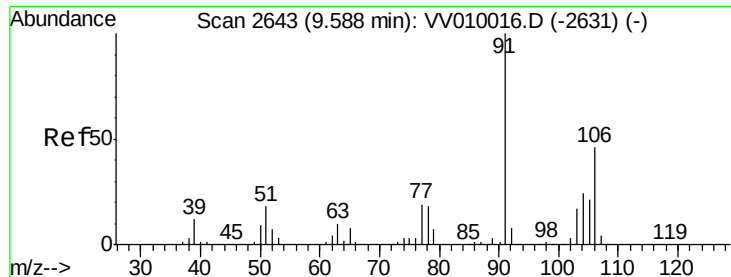
Tgt Ion: 106 Resp: 96644

Ion Ratio Lower Upper

106 100

91 198.1 130.0 241.4





#55

o-xylene

Concen: 22.471 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

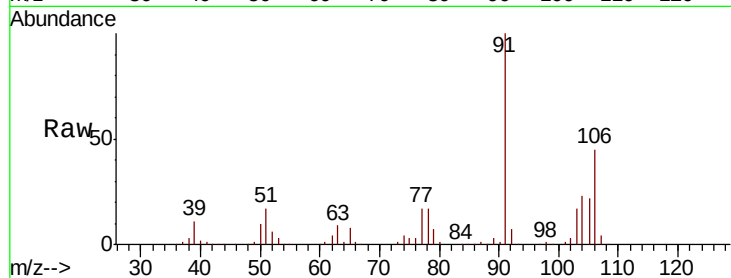
VSTD02575

Tgt Ion:106 Resp: 96340

Ion Ratio Lower Upper

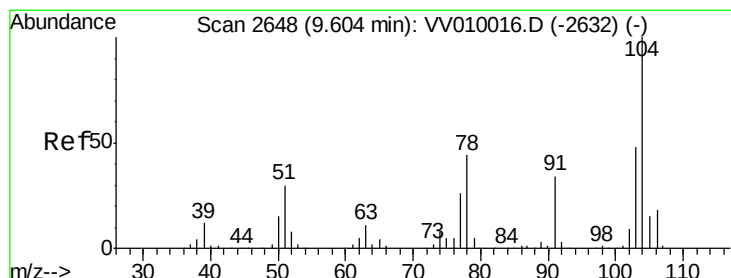
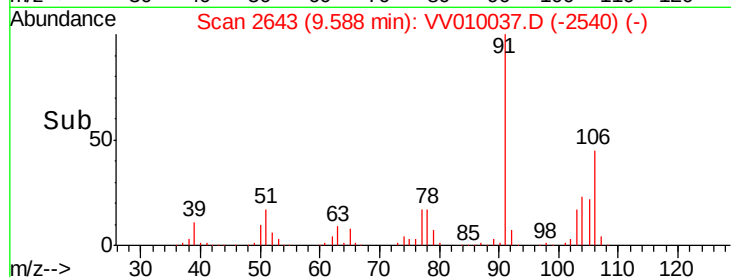
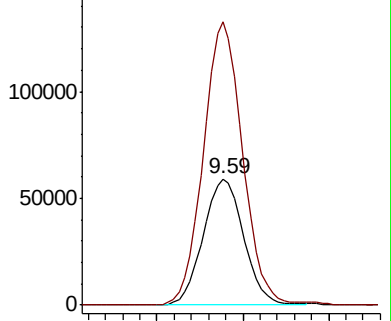
106 100

91 224.6 144.3 268.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 23.573 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010037.D

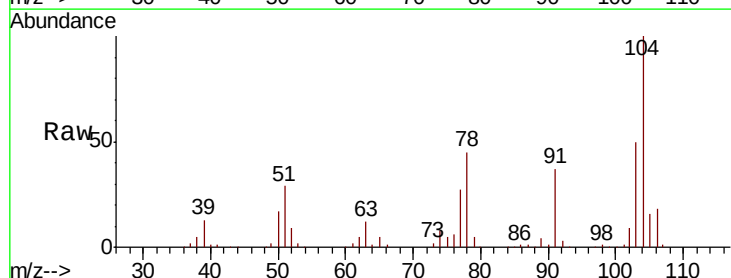
Acq: 30 Mar 2019 23:19

Tgt Ion:104 Resp: 173598

Ion Ratio Lower Upper

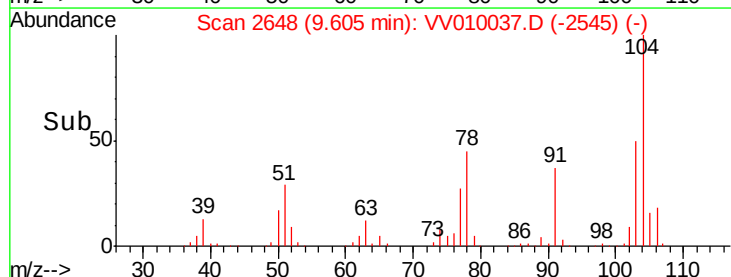
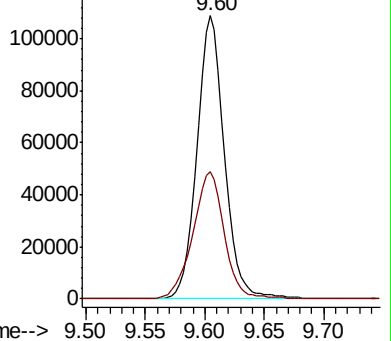
104 100

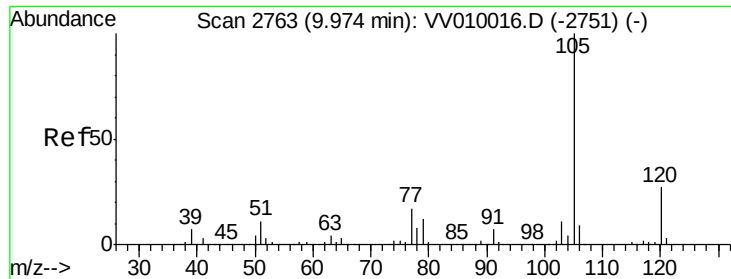
78 45.0 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 21.375 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

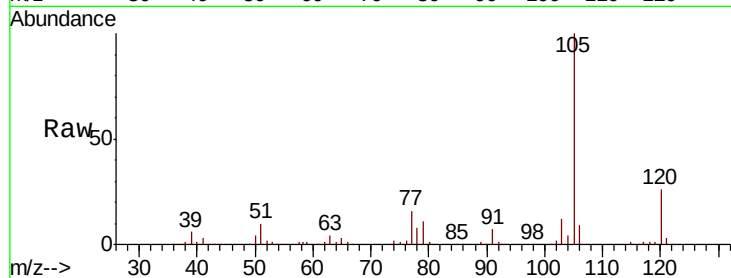
Tgt Ion: 105 Resp: 237744

Ion Ratio Lower Upper

105 100

120 26.6 20.8 31.2

77 16.9 13.0 19.4

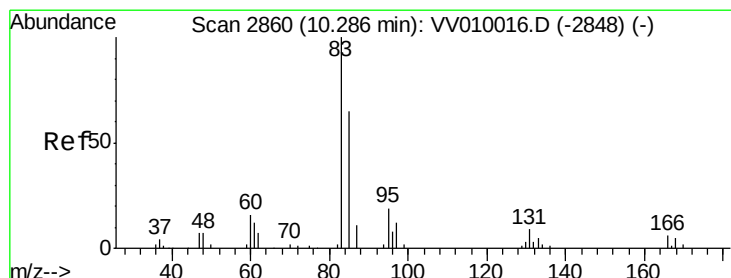
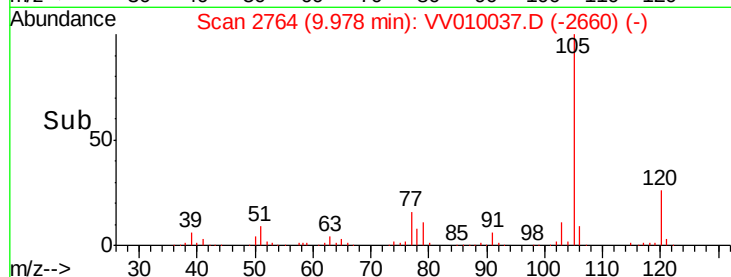
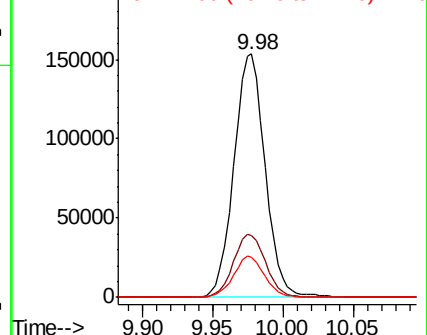


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 28.300 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

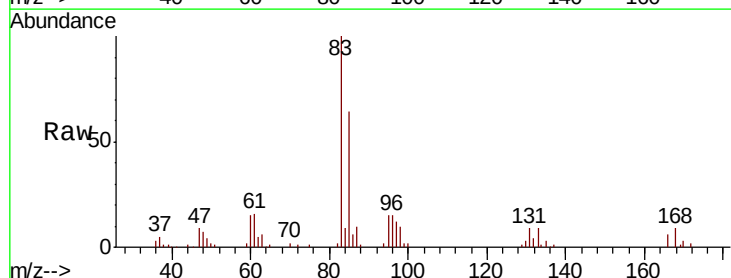
Tgt Ion: 83 Resp: 72903

Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.0

131 8.6 6.2 9.4

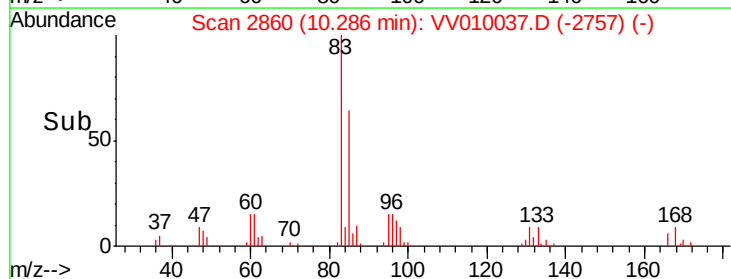
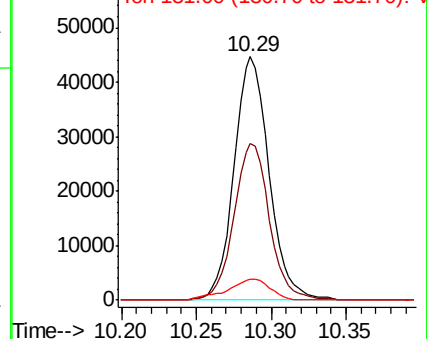


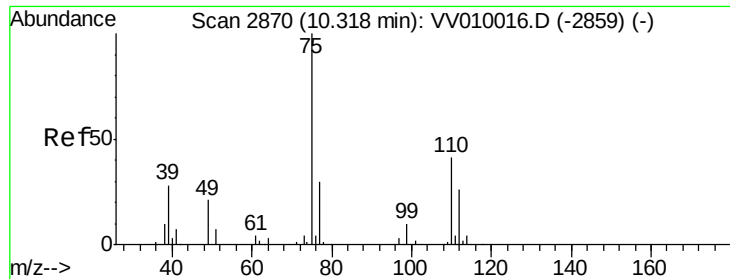
Abundance

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

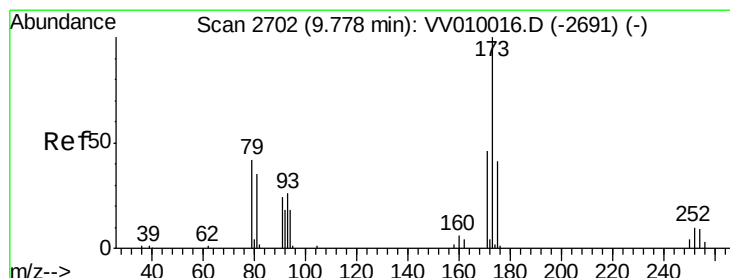
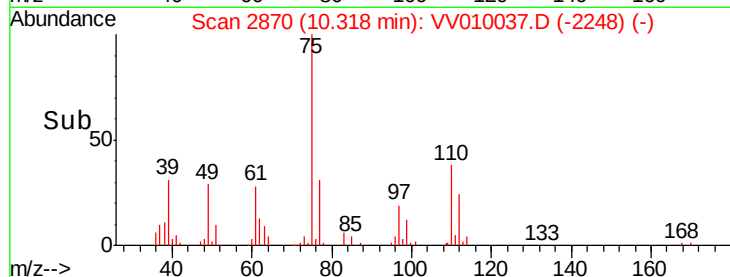
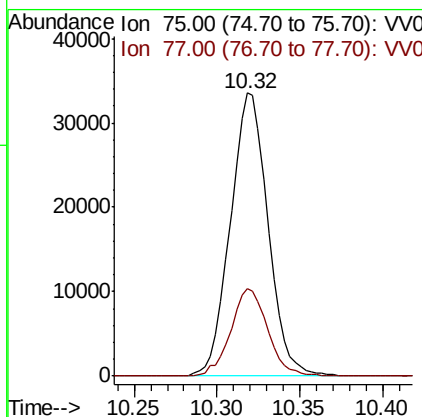
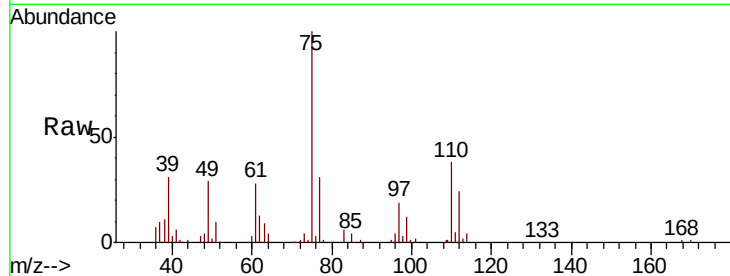




#59
 1,2,3-Trichloropropane
 Concen: 28.407 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

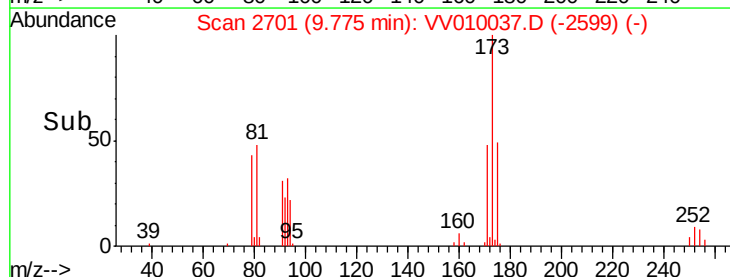
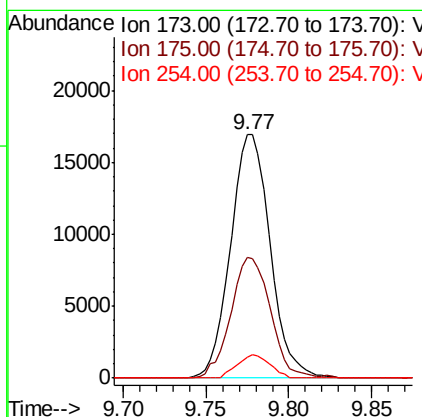
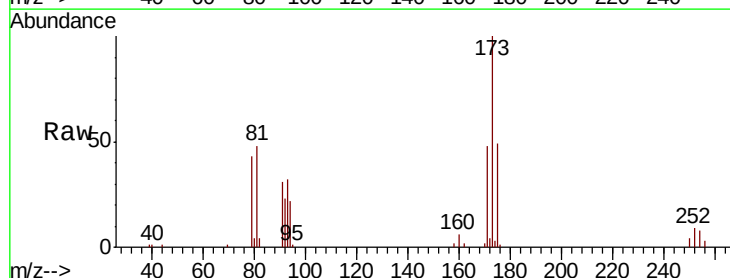
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

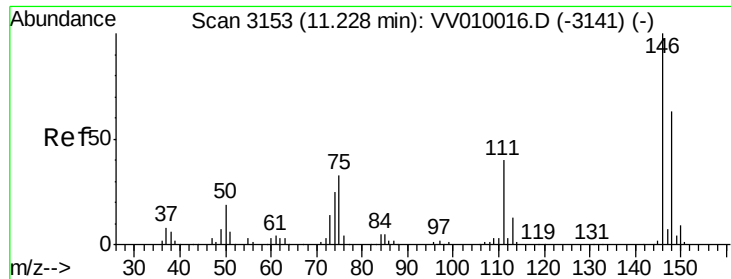
Tgt Ion: 75 Resp: 52815
 Ion Ratio Lower Upper
 75 100
 77 30.2 26.2 39.2



#62
 Bromoform
 Concen: 26.468 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Tgt Ion: 173 Resp: 28149
 Ion Ratio Lower Upper
 173 100
 175 49.4 37.8 56.8
 254 7.8 6.6 9.8

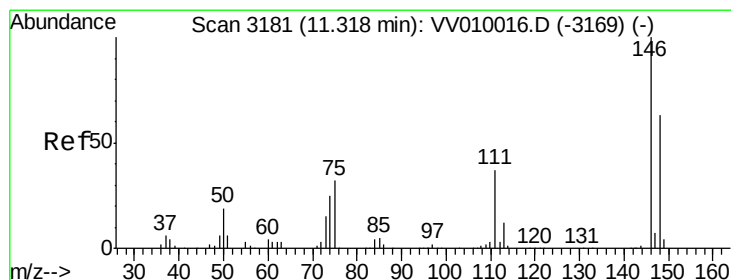
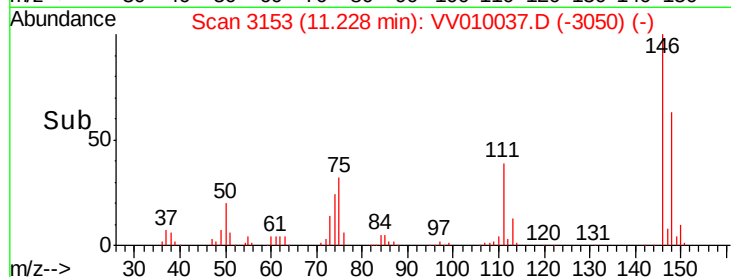
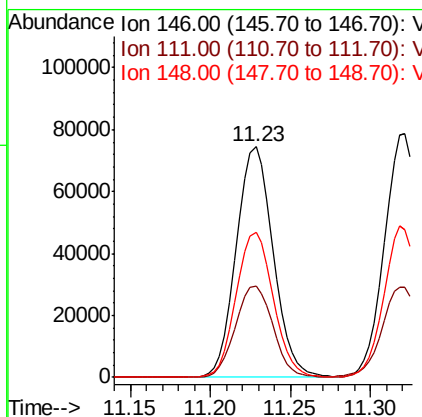
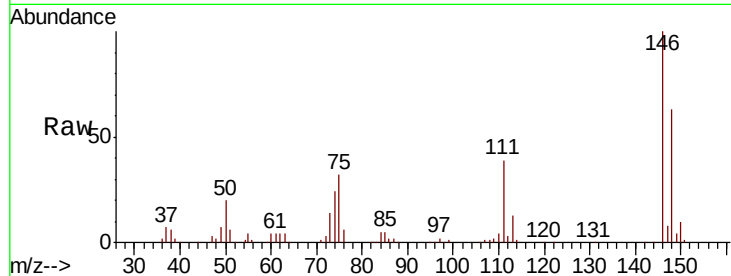




#63
 1,3-Dichlorobenzene
 Concen: 22.940 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

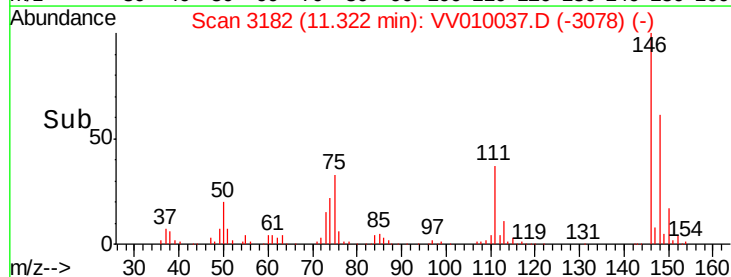
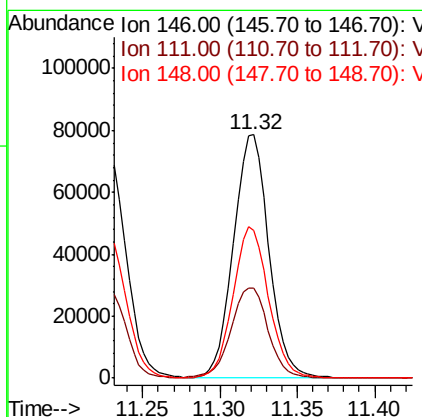
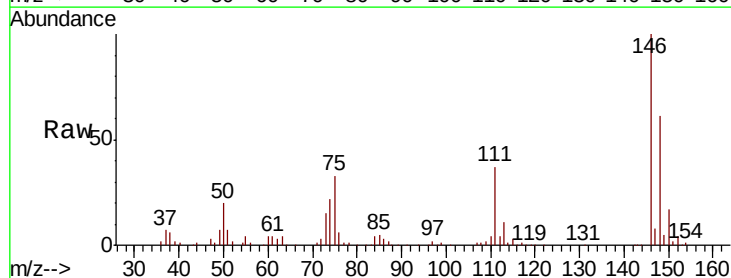
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

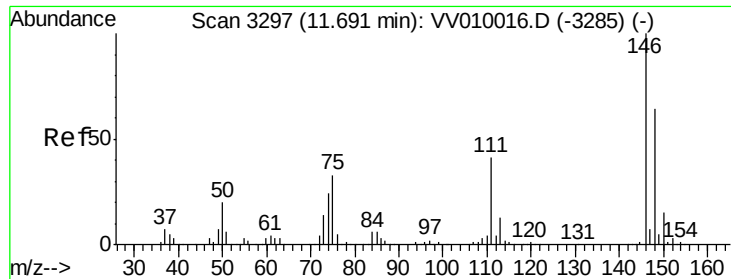
Tgt Ion:146 Resp: 117313
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.5 52.9
 148 62.8 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 22.521 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Tgt Ion:146 Resp: 125166
 Ion Ratio Lower Upper
 146 100
 111 36.8 25.4 47.2
 148 60.6 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 23.903 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

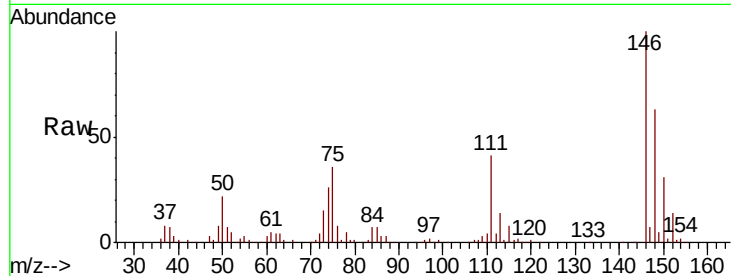
Tgt Ion:146 Resp: 120638

Ion Ratio Lower Upper

146 100

111 41.4 32.7 49.1

148 63.3 50.5 75.7

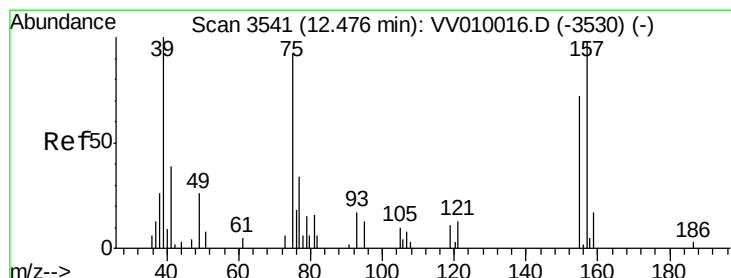
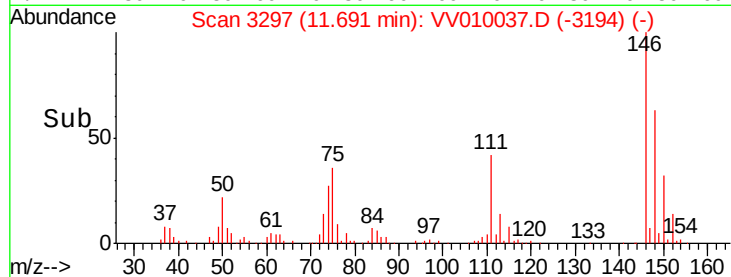
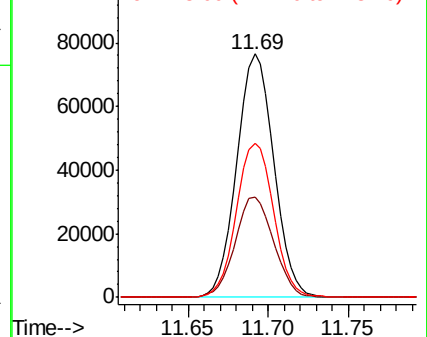


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 29.263 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

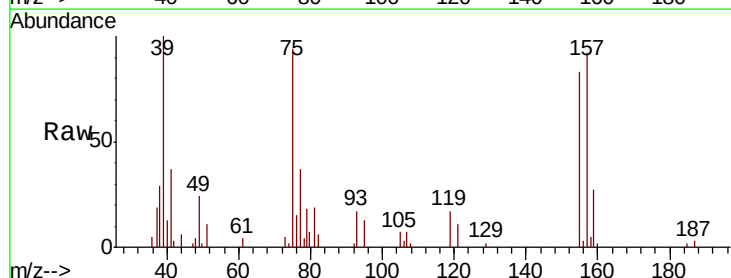
Tgt Ion: 75 Resp: 9231

Ion Ratio Lower Upper

75 100

157 97.6 89.2 133.8

155 87.9 68.6 102.8

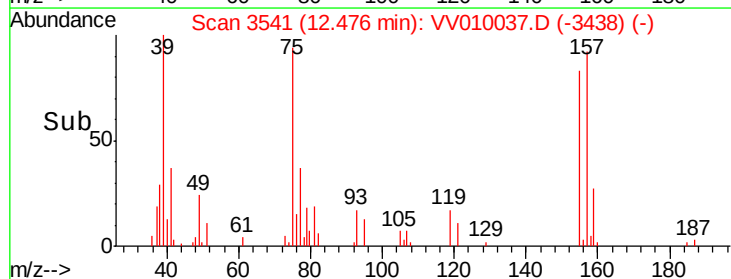
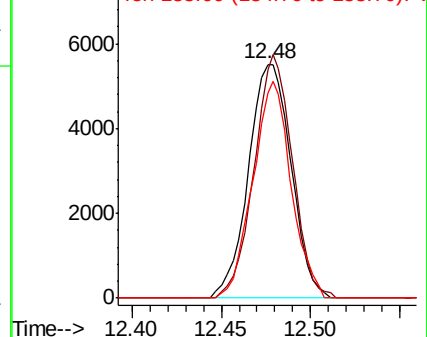


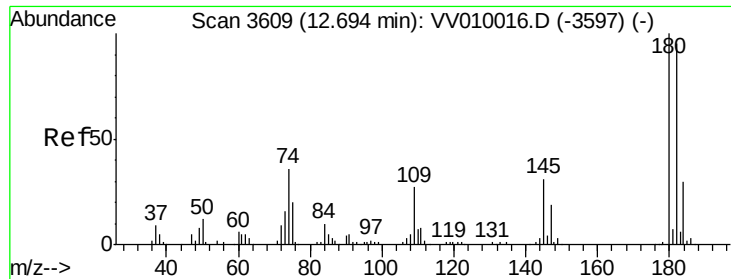
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

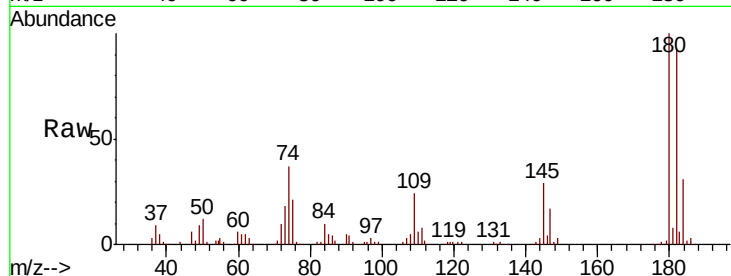




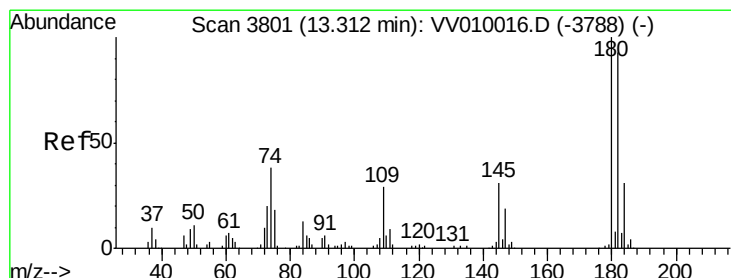
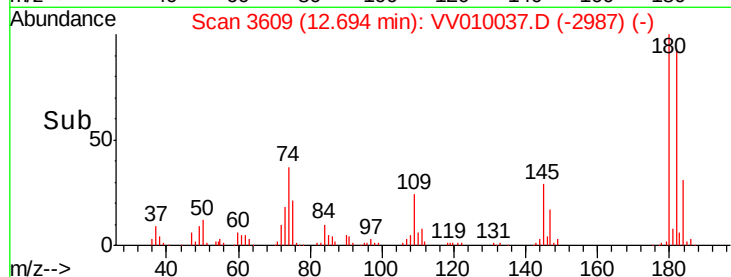
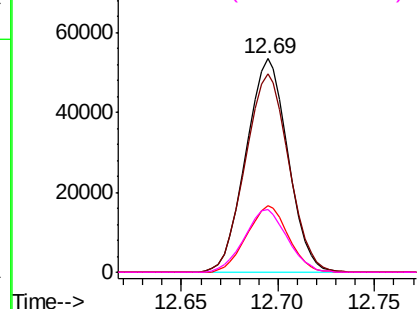
#67
 1,3,5-Trichlorobenzene
 Concen: 22.215 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

Tgt Ion:180 Resp: 80679
 Ion Ratio Lower Upper
 180 100
 182 96.0 78.4 117.6
 184 30.7 24.3 36.5
 145 30.2 24.9 37.3

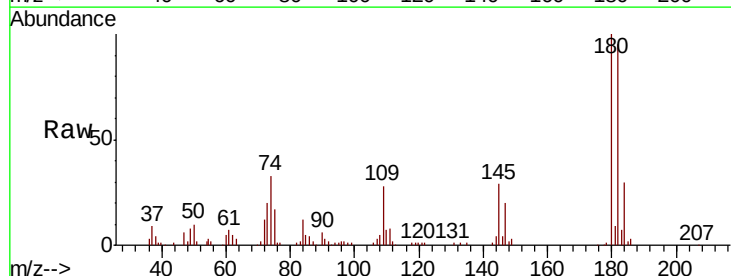


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

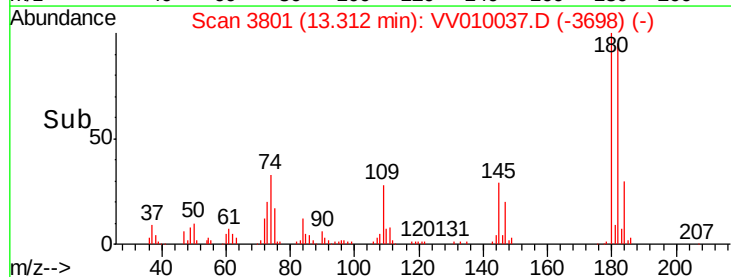
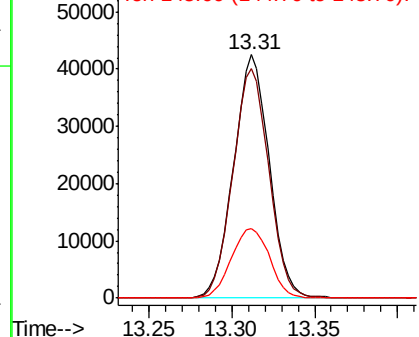


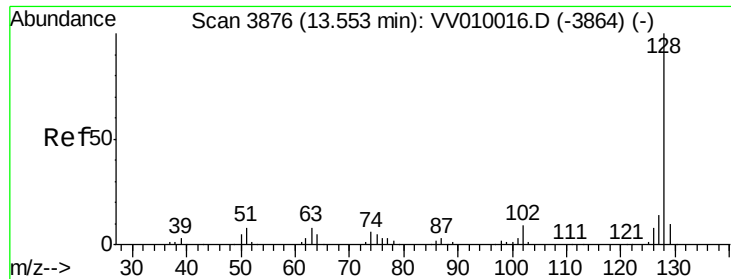
#68
 1,2,4-trichlorobenzene
 Concen: 23.731 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010037.D
 Acq: 30 Mar 2019 23:19

Tgt Ion:180 Resp: 63576
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.5 113.3
 145 30.6 23.2 34.8



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





#69

Naphthalene

Concen: 27.883 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02575

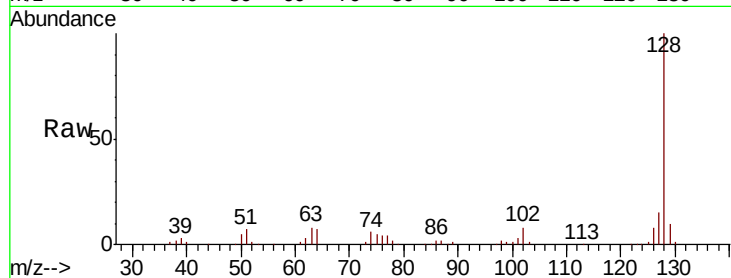
Tgt Ion:128 Resp: 124172

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

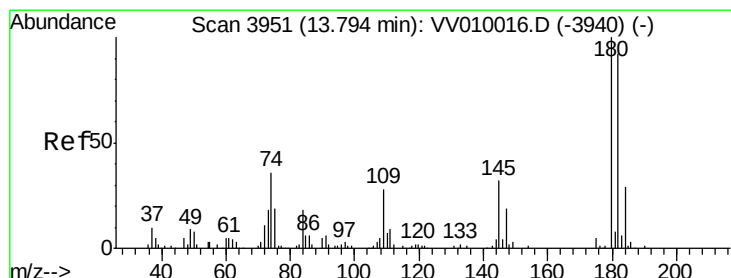
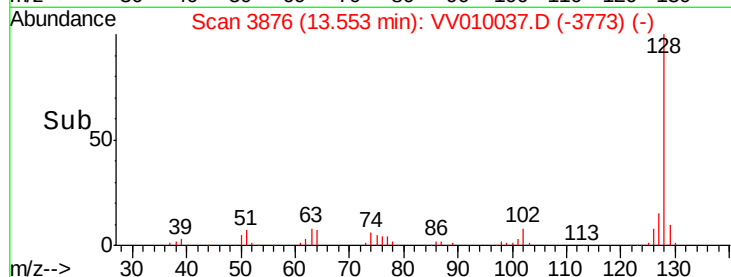
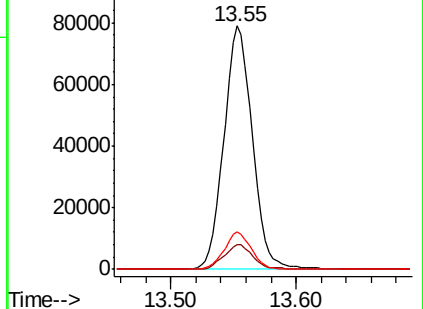
127 14.6 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.761 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010037.D

Acq: 30 Mar 2019 23:19

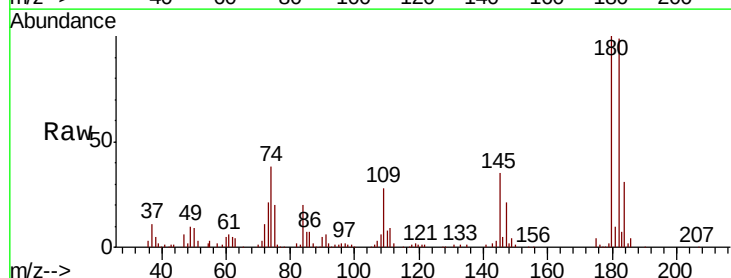
Tgt Ion:180 Resp: 65623

Ion Ratio Lower Upper

180 100

182 93.0 77.1 115.7

145 32.8 26.3 39.5



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

