

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010419\
 Data File : VV009156.D
 Acq On : 04 Jan 2019 11:44
 Operator : SY/MD
 Sample : VSTD02564
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

Quant Time: Jan 05 04:23:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 05 04:20:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	204901	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	184219	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94150	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28587	20.40	ug/L	0.00
7) Chloroethane-d5	1.58	69	33035	24.30	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	99934	21.33	ug/L	0.00
20) 2-Butanone-d5	3.96	46	37169	38.25	ug/L	0.00
24) Chloroform-d	4.40	84	95668	22.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	49468	21.43	ug/L	0.00
29) Benzene-d6	5.10	84	182031	22.18	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	51086	21.71	ug/L	0.00
37) Toluene-d8	7.36	98	170535	22.03	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	23380	20.94	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	22420	40.37	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55281	21.37	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	65886	20.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	75665	22.973 ug/L	100
3) Chloromethane	1.25	50	51183	22.944 ug/L	100
5) Vinyl chloride	1.32	62	54845	22.961 ug/L	100
6) Bromomethane	1.54	94	40617	24.141 ug/L	100
8) Chloroethane	1.60	64	39379	26.752 ug/L	100
9) Trichlorofluoromethane	1.77	101	105068	23.993 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	68744	23.571 ug/L	100
12) 1,1-Dichloroethene	2.14	96	60507	23.923 ug/L	100
13) Acetone	2.22	43	52838	37.813 ug/L	100
14) Carbon disulfide	2.32	76	170051	23.529 ug/L	100
15) Methyl Acetate	2.47	43	37641	21.770 ug/L	100
16) Methylene chloride	2.54	84	69621	22.743 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	146645	23.671 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	65471	24.426 ug/L	100
19) 1,1-Dichloroethane	3.23	63	108056	24.276 ug/L	100
21) 2-Butanone	4.05	43	49565	38.569 ug/L	# 89
22) cis-1,2-Dichloroethene	3.96	96	70975	24.769 ug/L	100
23) Bromochloromethane	4.30	128	33118	24.566 ug/L	100
25) Chloroform	4.43	83	117979	24.890 ug/L	100
27) 1,2-Dichloroethane	5.18	62	75411	23.685 ug/L	100
30) Cyclohexane	4.73	56	96531	23.637 ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	111255	24.840 ug/L	100
32) Carbon tetrachloride	4.88	117	102102	24.906 ug/L	100
34) Benzene	5.15	78	242569	24.494 ug/L	100
35) Trichloroethene	5.96	95	69413	24.329 ug/L	100
36) Methylcyclohexane	6.18	83	113082	23.722 ug/L	100
40) 1,2-Dichloropropane	6.22	63	61080	25.589 ug/L	100
41) Bromodichloromethane	6.56	83	81833	25.012 ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	95027	25.123 ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	95451	41.952 ug/L	100

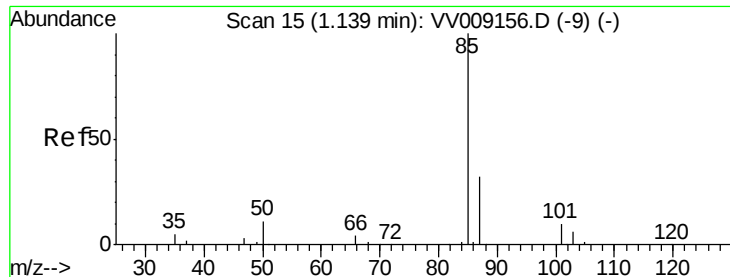
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010419\
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 Quant Title : VOC Analysis
 QLast Update : Sat Jan 05 04:20:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	266441	24.954	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	81298	24.549	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	51455	24.390	ug/L	100
47) Tetrachloroethene	8.02	164	60800	24.597	ug/L	100
49) 2-Hexanone	8.20	43	70289	41.977	ug/L	100
50) Dibromochloromethane	8.29	129	64243	24.787	ug/L	100
51) 1,2-Dibromoethane	8.40	107	53122	24.081	ug/L	100
52) Chlorobenzene	8.93	112	177921	24.286	ug/L	100
53) Ethylbenzene	9.06	91	298377	24.711	ug/L	100
54) m,p-Xylene	9.18	106	116653	24.796	ug/L	100
55) o-xylene	9.59	106	108577	24.961	ug/L	100
56) Styrene	9.60	104	186165	25.373	ug/L	100
57) Isopropylbenzene	9.98	105	304242	25.208	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	66623	23.570	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	51590	22.835	ug/L	100
62) Bromoform	9.78	173	40318	24.248	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	143354	24.165	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	147201	23.805	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	137309	24.299	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	13527	23.058	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	115319	24.104	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	93358	23.974	ug/L	100
69) Naphthalene	13.55	128	174406	21.988	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	84574	23.665	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 22.973 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

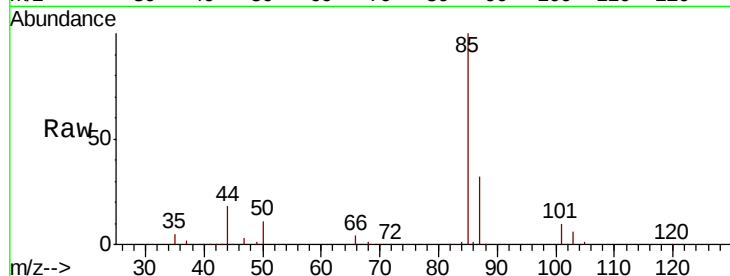
VSTD02564

Tgt Ion: 85 Resp: 75665

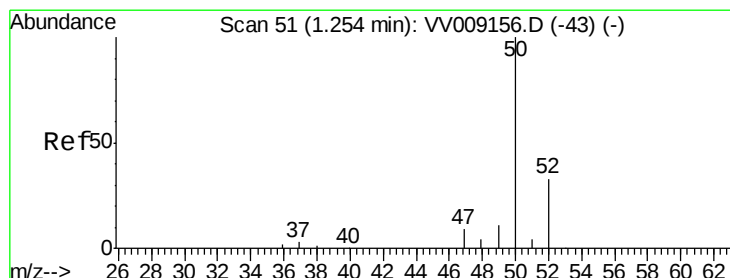
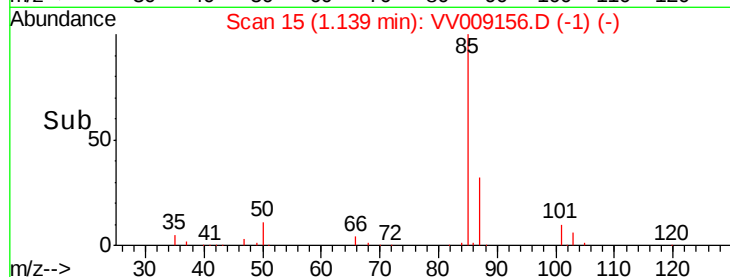
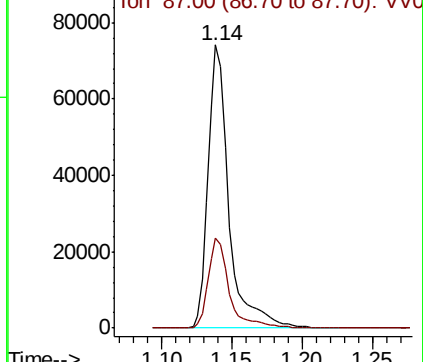
Ion Ratio Lower Upper

85 100

87 32.1 22.5 41.7



Abundance Ion 85.00 (84.70 to 85.70): VV009156.D (-9) (-)



#3

Chloromethane

Concen: 22.944 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009156.D

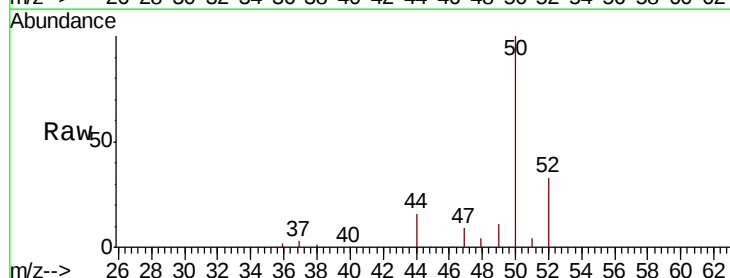
Acq: 04 Jan 2019 11:44

Tgt Ion: 50 Resp: 51183

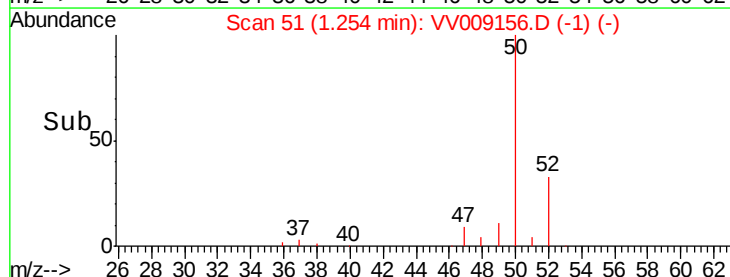
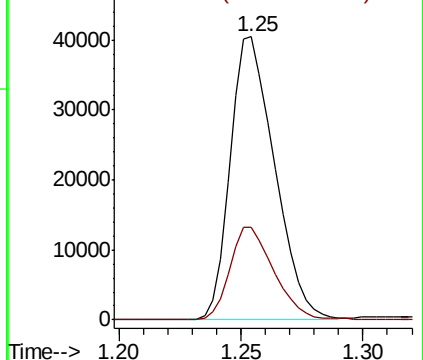
Ion Ratio Lower Upper

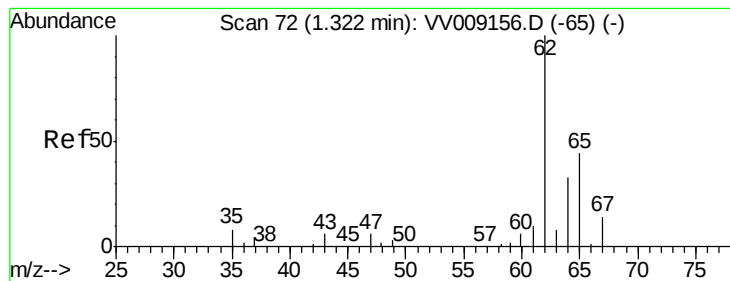
50 100

52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV009156.D (-43) (-)





#5

Vinyl chloride

Concen: 22.961 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

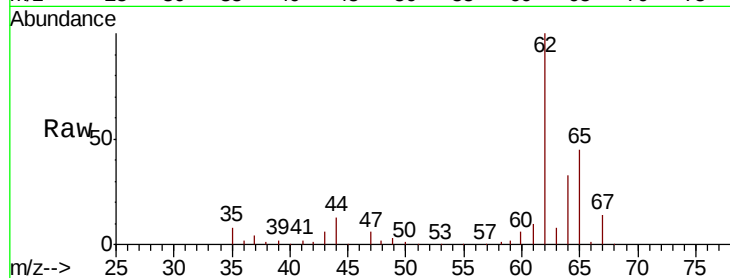
VSTD02564

Tgt Ion: 62 Resp: 54845

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV009156.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009156.D (-65) (-)

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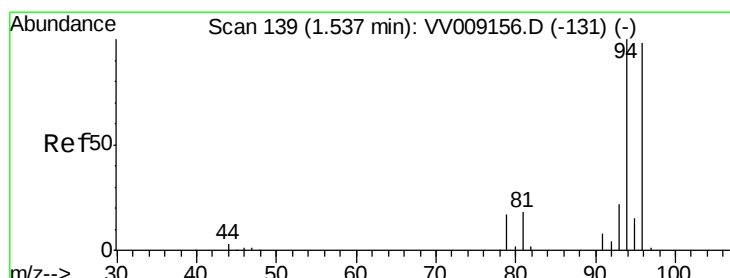
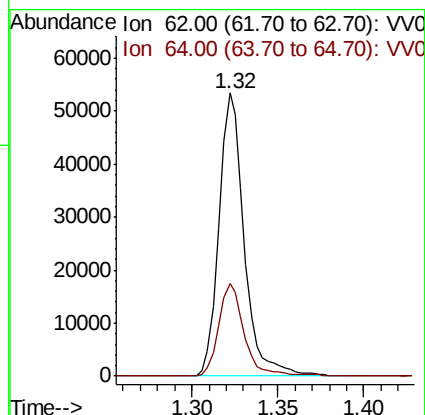
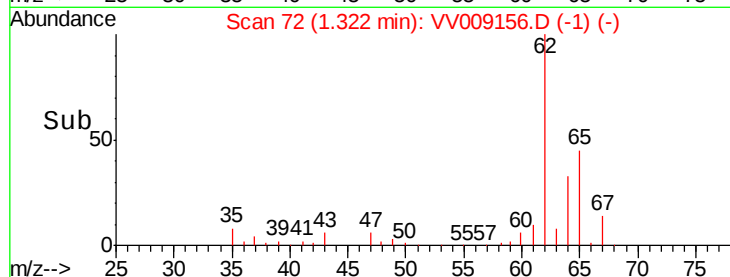
1.32

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1.32



#6

Bromomethane

Concen: 24.141 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV009156.D

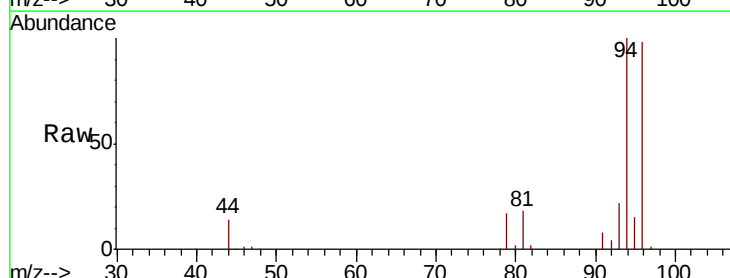
Acq: 04 Jan 2019 11:44

Tgt Ion: 94 Resp: 40617

Ion Ratio Lower Upper

94 100

96 97.4 9.7 185.1



Abundance Ion 94.00 (93.70 to 94.70): VV009156.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV009156.D (-131) (-)

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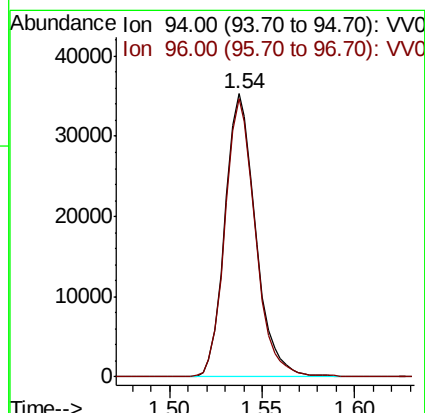
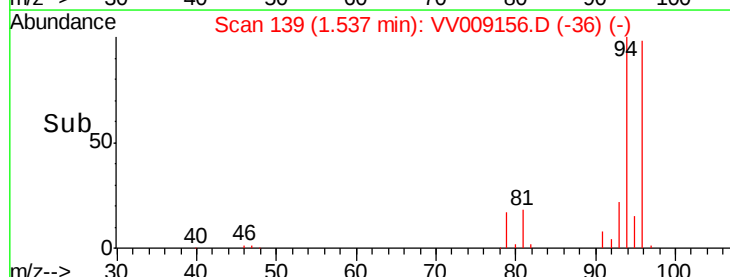
1.54

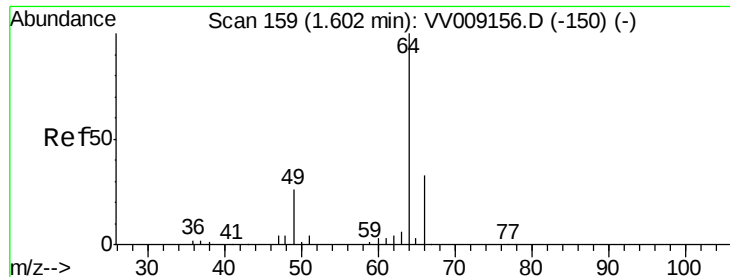
1.54

1.54

1.54

1.54





#8

Chloroethane

Concen: 26.752 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

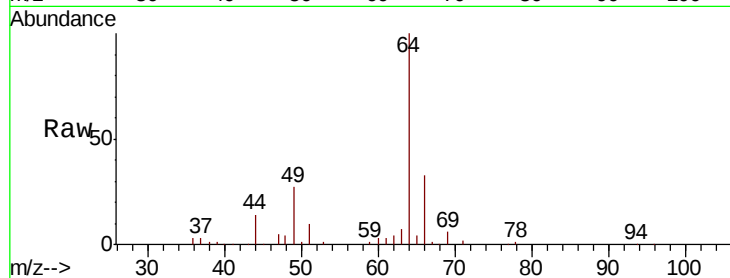
VSTD02564

Tgt Ion: 64 Resp: 39379

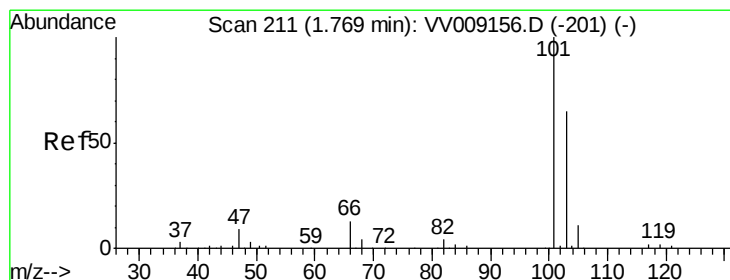
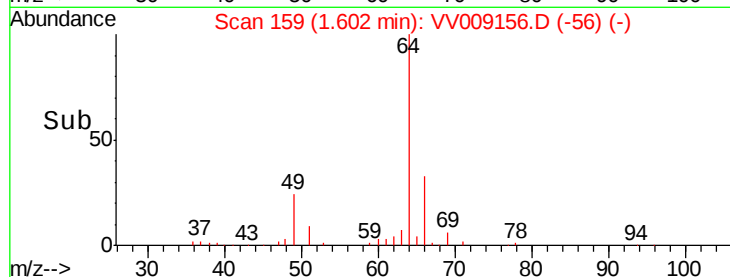
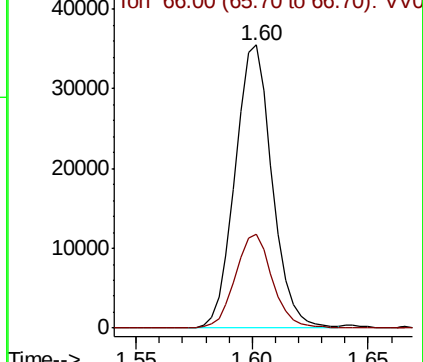
Ion Ratio Lower Upper

64 100

66 33.1 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV009156.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 23.993 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV009156.D

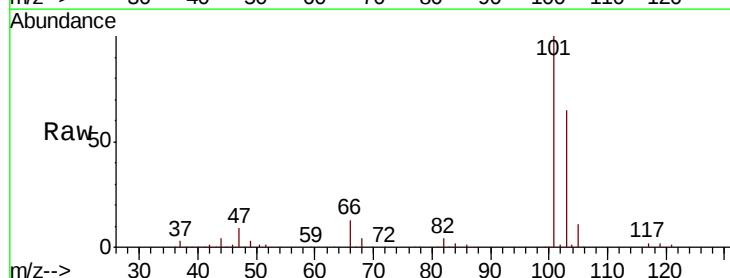
Acq: 04 Jan 2019 11:44

Tgt Ion: 101 Resp: 105068

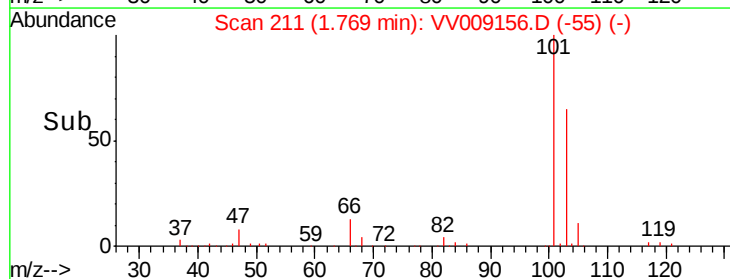
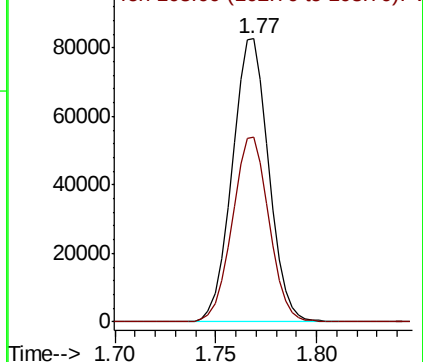
Ion Ratio Lower Upper

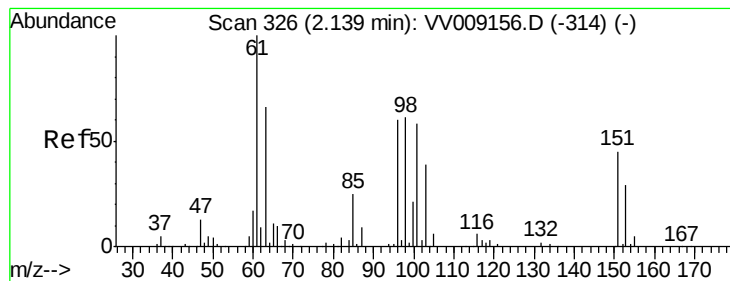
101 100

103 65.7 46.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): VV009156.D (-201) (-)





#11

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

Concen: 23.571 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampled :

VSTD02564

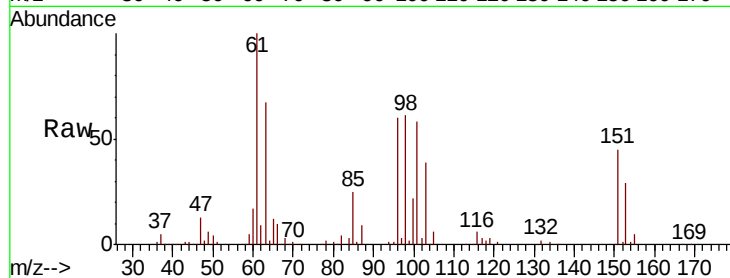
Tgt Ion:101 Resp: 68744

Ion Ratio Lower Upper

101 100

85 43.3 34.6 52.0

151 78.3 62.6 94.0



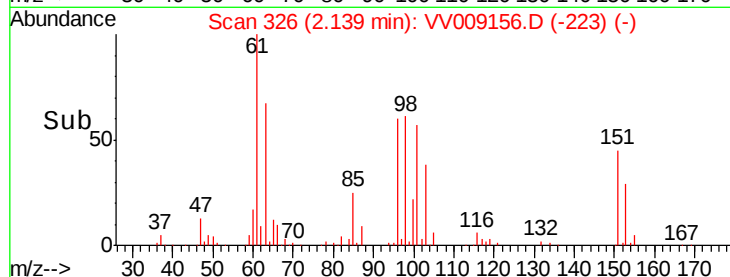
Abundance Ion 101.00 (100.70 to 101.70): VV009156.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV009156.D (-314) (-)

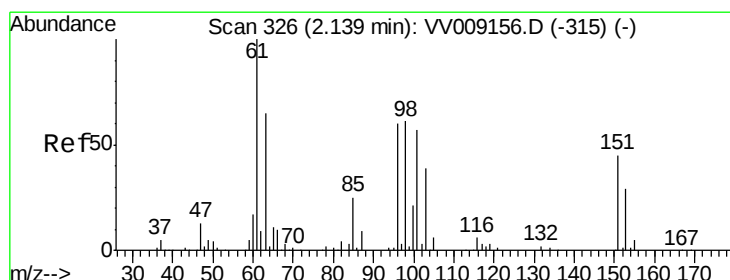
Ion 151.00 (150.70 to 151.70): VV009156.D (-314) (-)

2.14

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 23.923 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

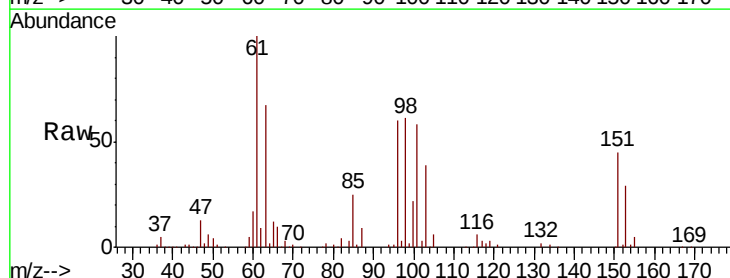
Tgt Ion: 96 Resp: 60507

Ion Ratio Lower Upper

96 100

61 167.2 117.0 217.4

63 111.7 78.2 145.2



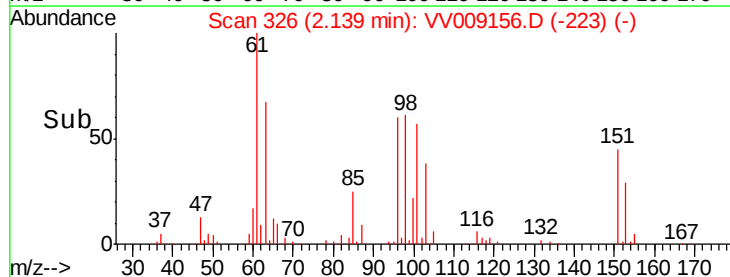
Abundance Ion 96.00 (95.70 to 96.70): VV009156.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV009156.D (-315) (-)

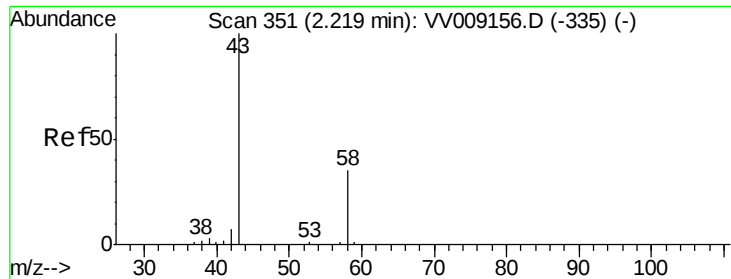
Ion 63.00 (62.70 to 63.70): VV009156.D (-315) (-)

2.14

Time-->



Time-->



#13

Acetone

Concen: 37.813 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

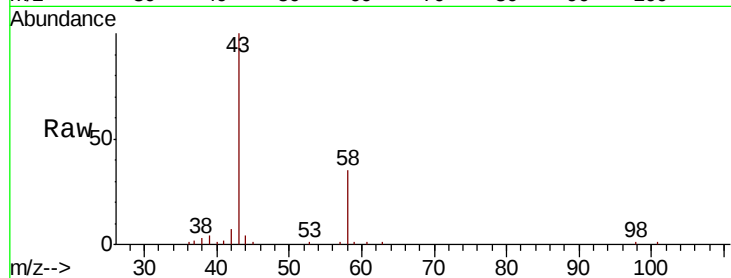
VSTD02564

Tgt Ion: 43 Resp: 52838

Ion Ratio Lower Upper

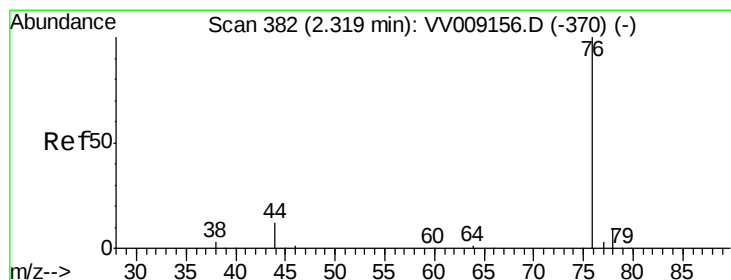
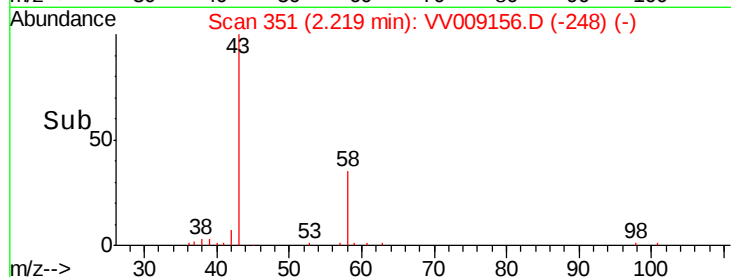
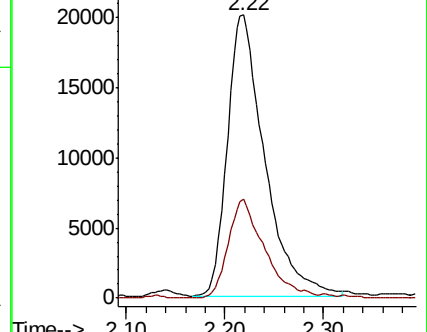
43 100

58 33.5 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VV009156.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV009156.D (-335) (-)



#14

Carbon disulfide

Concen: 23.529 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009156.D

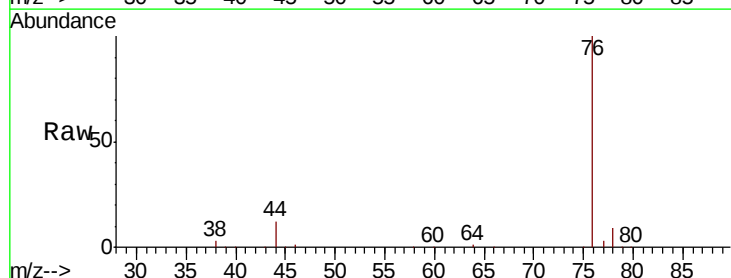
Acq: 04 Jan 2019 11:44

Tgt Ion: 76 Resp: 170051

Ion Ratio Lower Upper

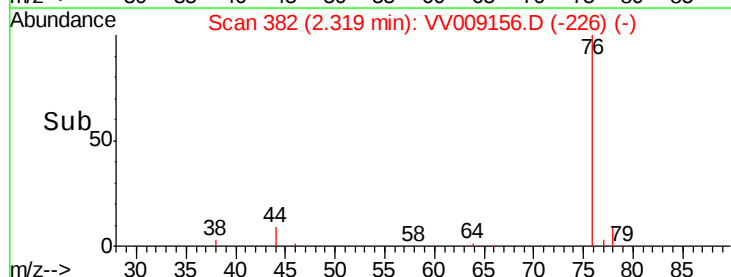
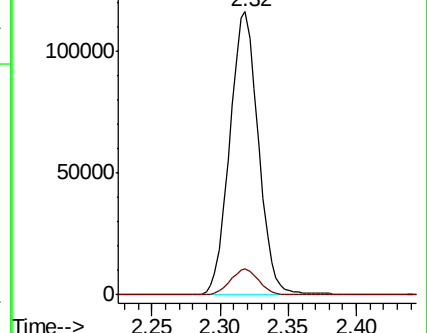
76 100

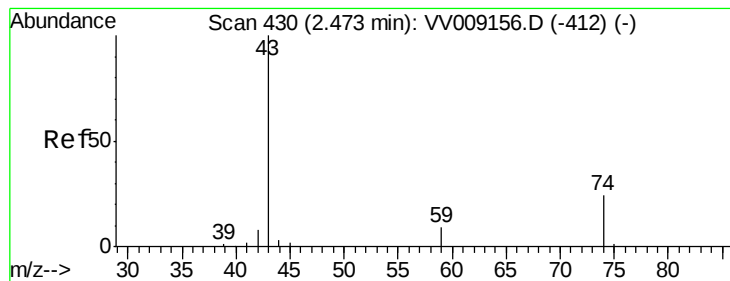
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV009156.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009156.D (-370) (-)





#15

Methyl Acetate

Concen: 21.770 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

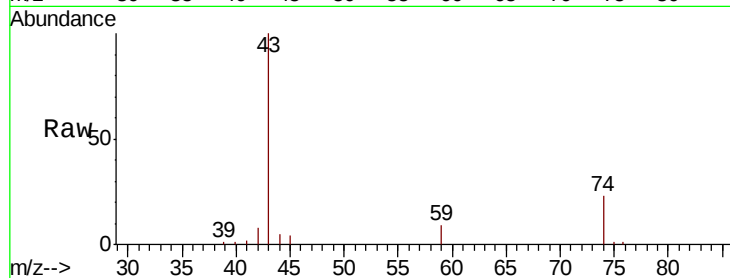
VSTD02564

Tgt Ion: 43 Resp: 37641

Ion Ratio Lower Upper

43 100

74 24.2 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV009156.D (-412) (-)

Ion 74.00 (73.70 to 74.70): VV009156.D (-412) (-)

2.47

20000

15000

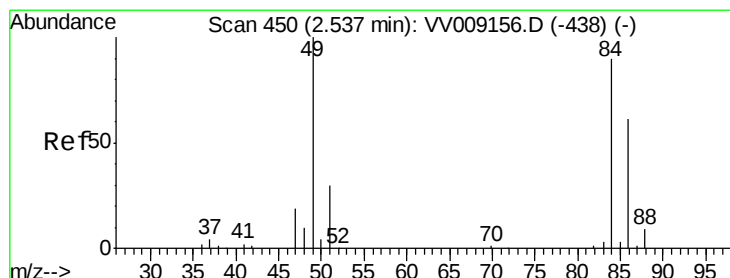
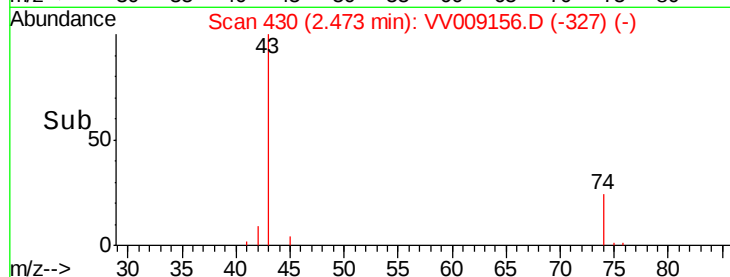
10000

5000

0

2.40 2.50 2.60

Time-->



#16

Methylene chloride

Concen: 22.743 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

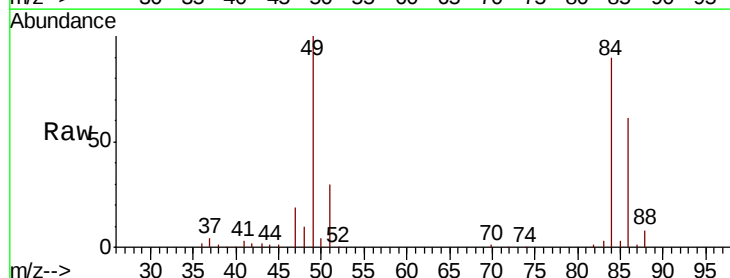
Tgt Ion: 84 Resp: 69621

Ion Ratio Lower Upper

84 100

49 110.9 77.6 144.2

86 67.7 47.4 88.0



Abundance Ion 84.00 (83.70 to 84.70): VV009156.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV009156.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV009156.D (-438) (-)

2.54

60000

50000

40000

30000

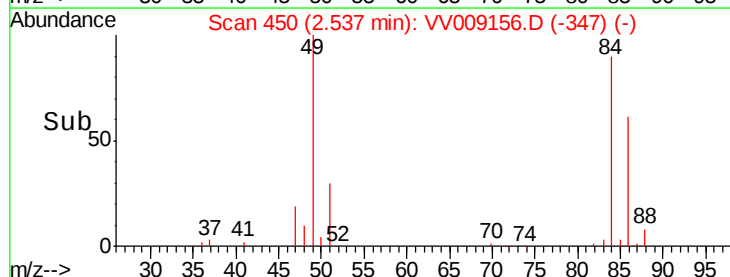
20000

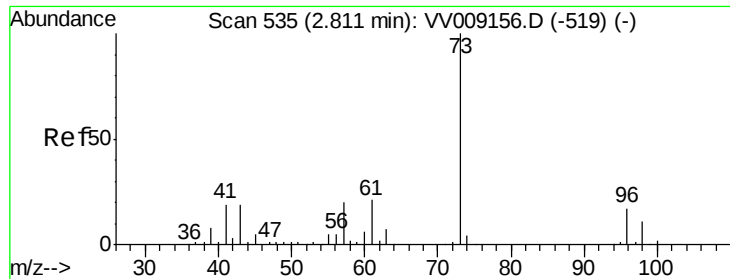
10000

0

2.50 2.55 2.60

Time-->

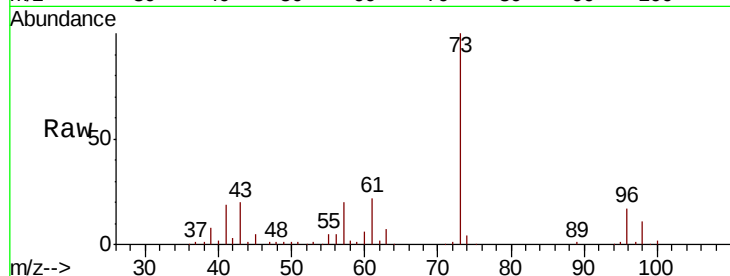




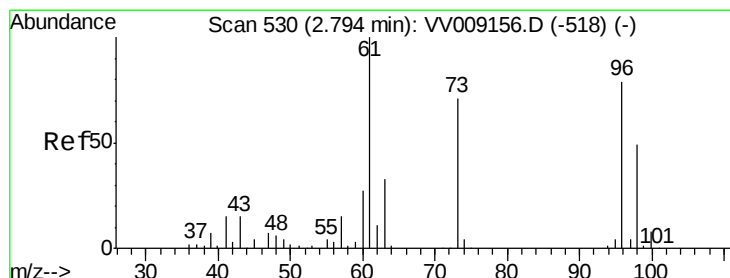
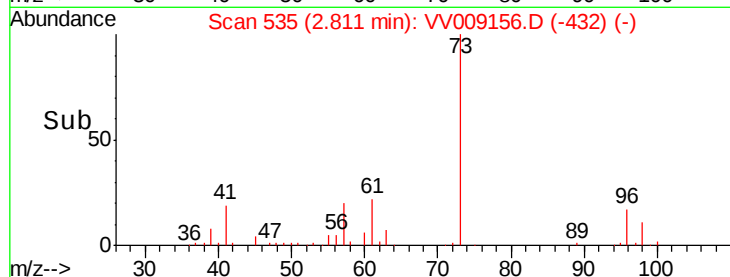
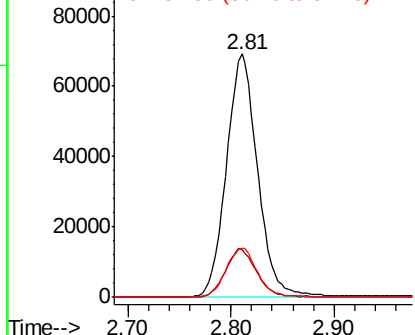
#17
Methyl tert-butyl Ether
Concen: 23.671 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV009156.D
Acq: 04 Jan 2019 11:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD02564

Tgt Ion: 73 Resp: 146645
Ion Ratio Lower Upper
73 100
43 19.3 15.4 23.2
57 20.2 16.2 24.2

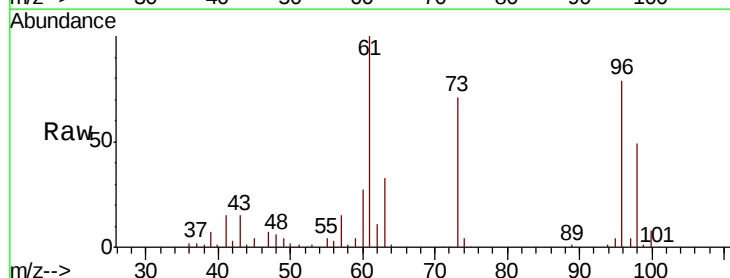


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

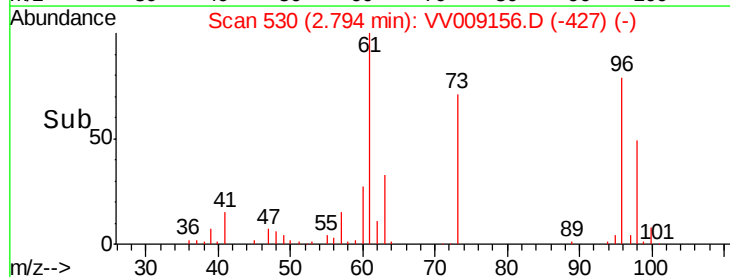
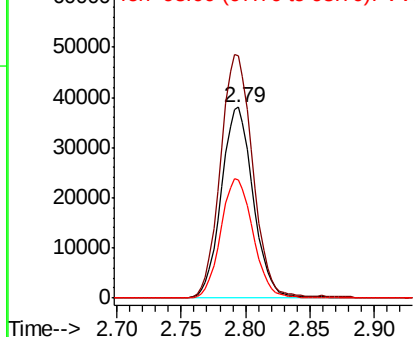


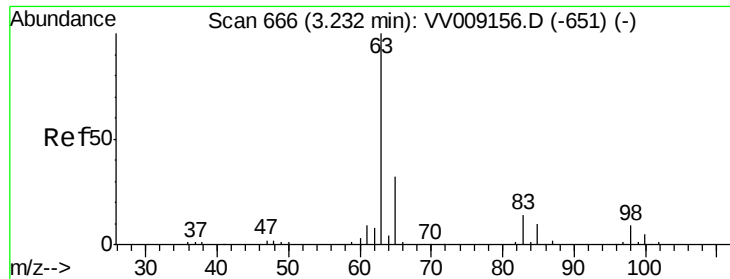
#18
trans-1,2-Dichloroethene
Concen: 24.426 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV009156.D
Acq: 04 Jan 2019 11:44

Tgt Ion: 96 Resp: 65471
Ion Ratio Lower Upper
96 100
61 126.8 88.8 164.8
98 62.2 43.5 80.9



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

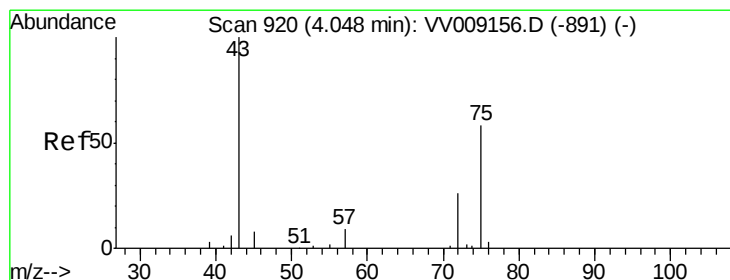
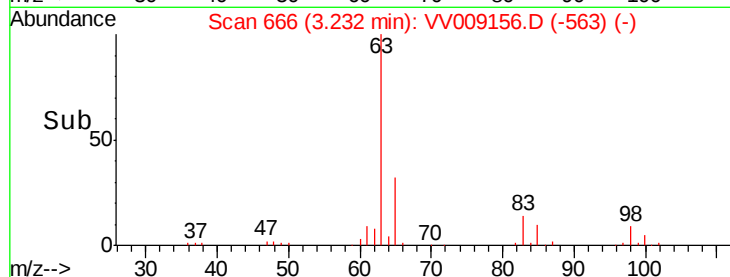
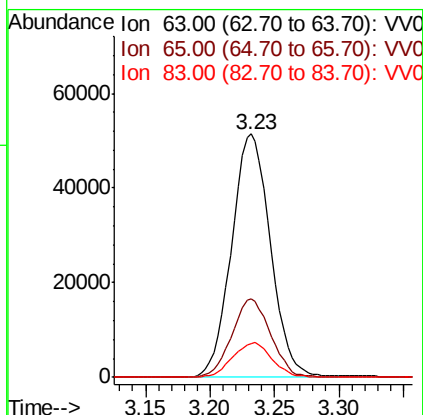
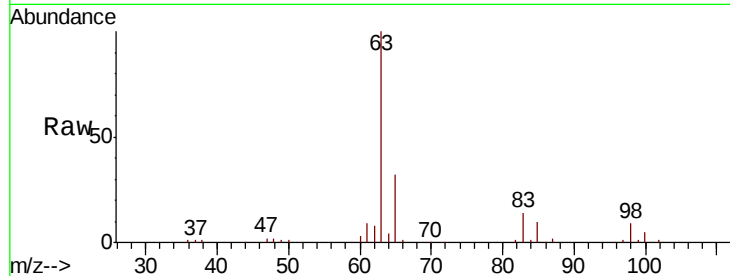




#19
 1,1-Dichloroethane
 Concen: 24.276 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

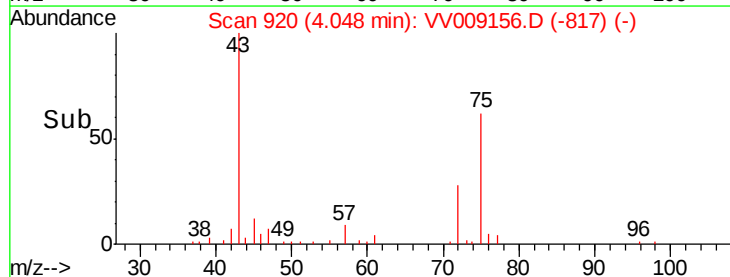
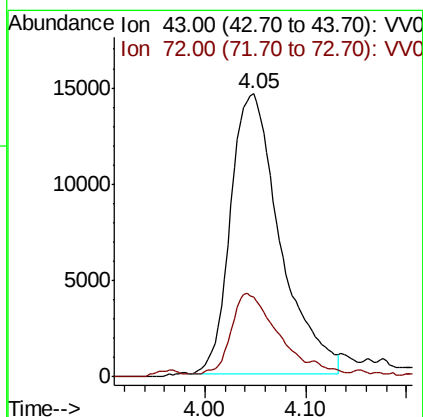
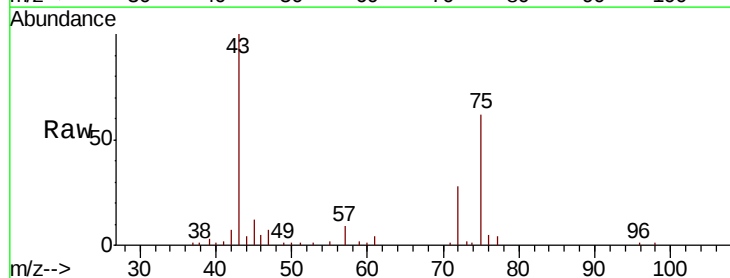
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

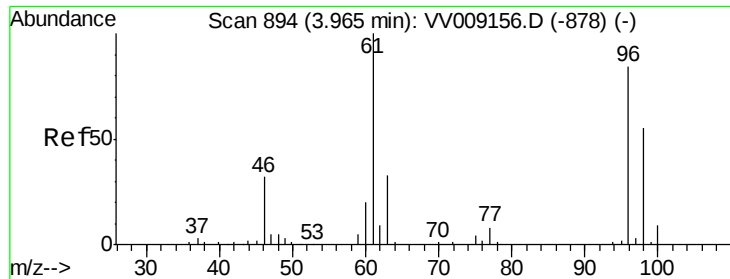
Tgt Ion: 63 Resp: 108056
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.6 42.0
 83 14.1 9.9 18.3



#21
 2-Butanone
 Concen: 38.569 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Tgt Ion: 43 Resp: 49565
 Ion Ratio Lower Upper
 43 100
 72 25.8 0.1 0.1#



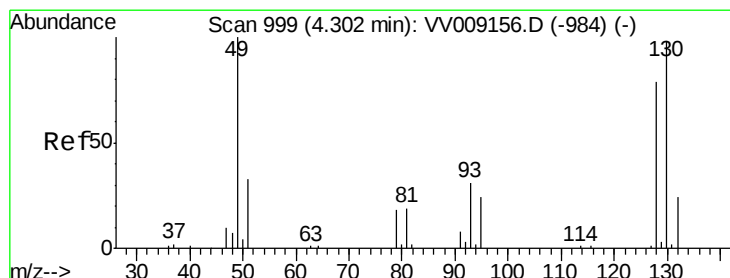
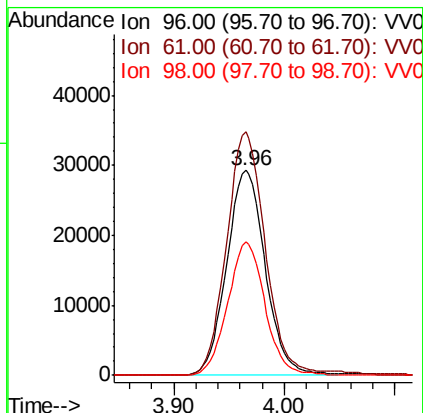
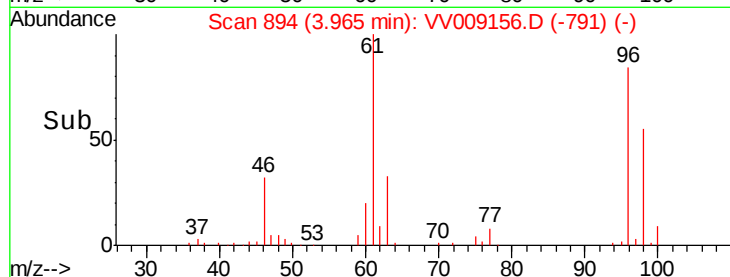
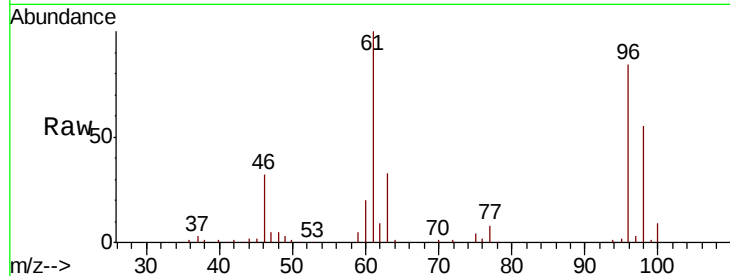


#22

cis-1,2-Dichloroethene
 Concen: 24.769 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

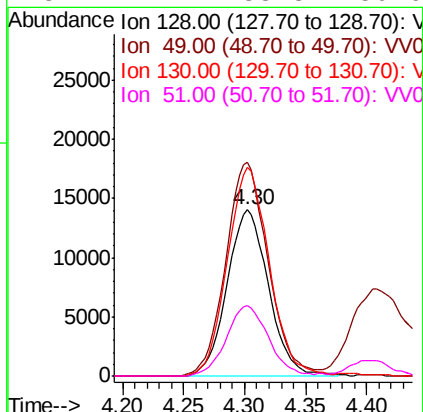
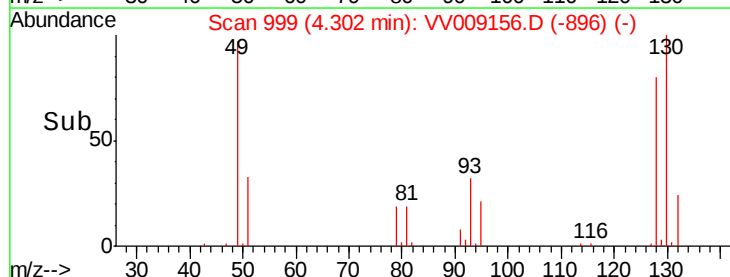
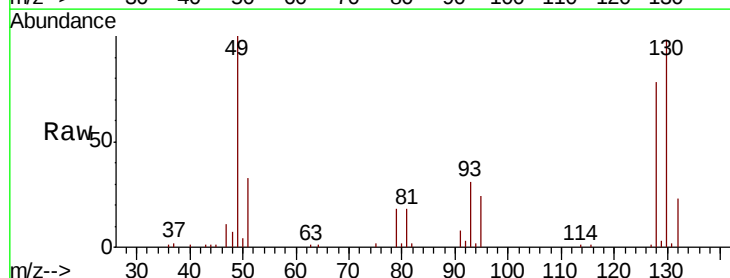
Tgt Ion: 96 Resp: 70975
 Ion Ratio Lower Upper
 96 100
 61 118.9 83.2 154.6
 98 65.5 45.8 85.2

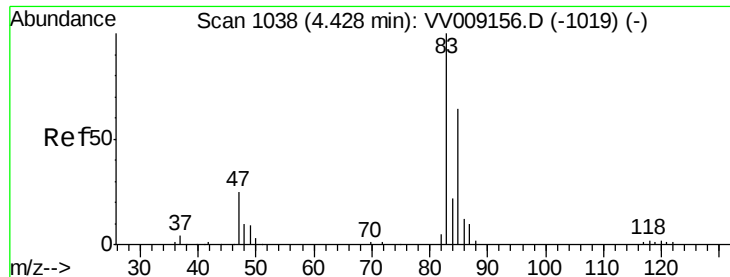


#23

Bromochloromethane
 Concen: 24.566 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Tgt Ion: 128 Resp: 33118
 Ion Ratio Lower Upper
 128 100
 49 128.5 89.9 167.0
 130 125.5 87.8 163.2
 51 42.2 33.8 50.6

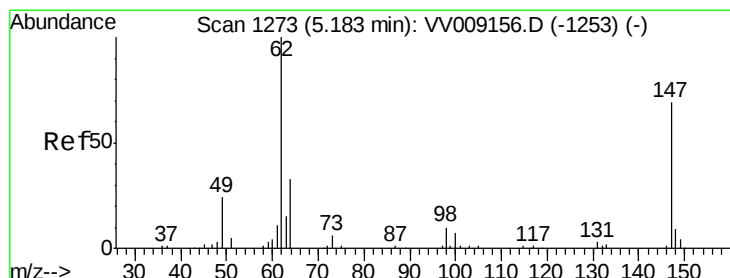
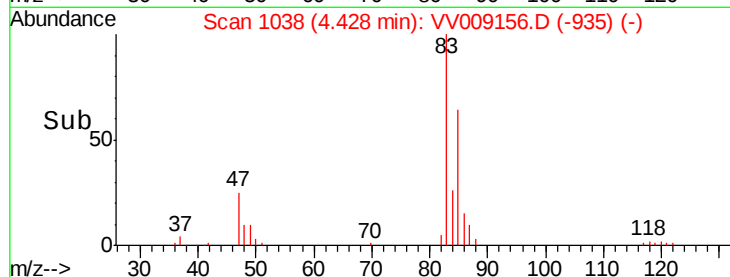
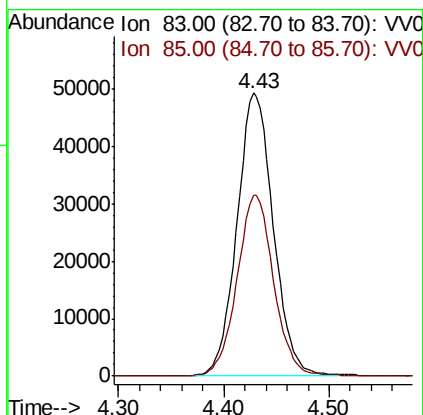
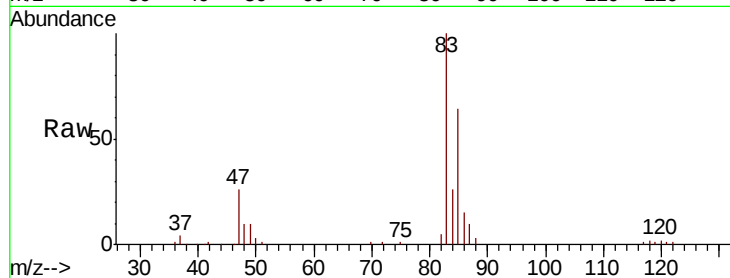




#25
Chloroform
Concen: 24.890 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009156.D
Acq: 04 Jan 2019 11:44

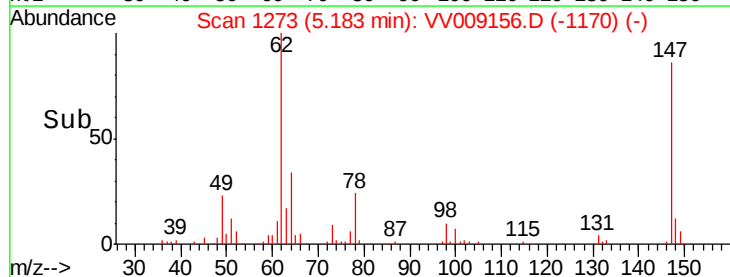
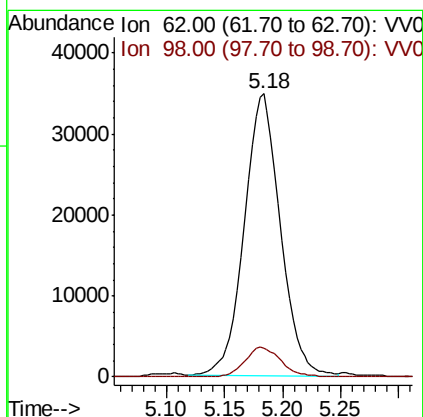
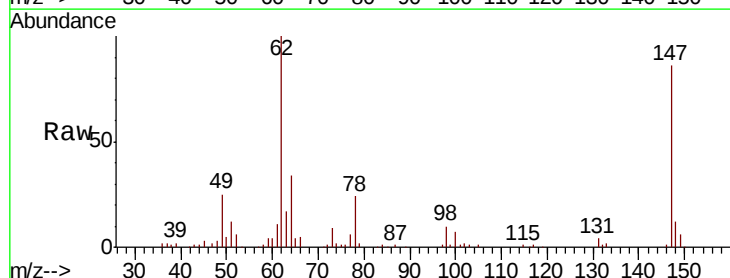
Instrument :
MSVOA_V
ClientSampleId :
VSTD02564

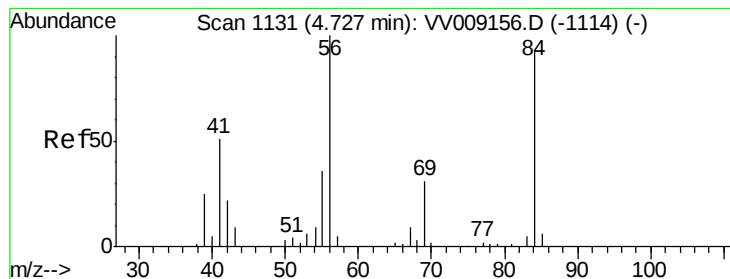
Tgt Ion: 83 Resp: 117979
Ion Ratio Lower Upper
83 100
85 64.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 23.685 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV009156.D
Acq: 04 Jan 2019 11:44

Tgt Ion: 62 Resp: 75411
Ion Ratio Lower Upper
62 100
98 10.1 8.1 12.1





#30

Cyclohexane

Concen: 23.637 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02564

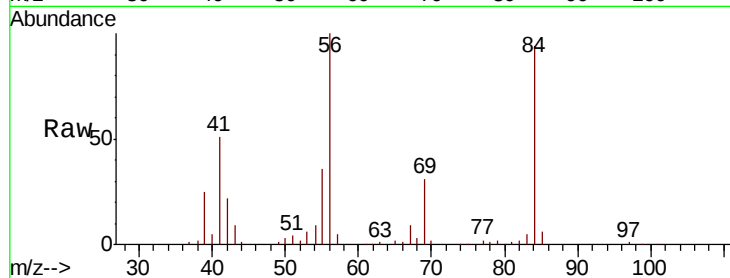
Tgt Ion: 56 Resp: 96531

Ion Ratio Lower Upper

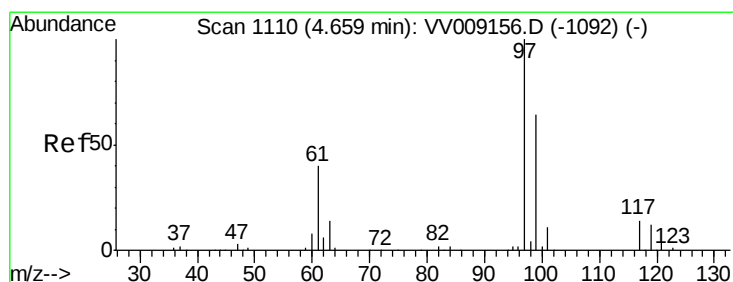
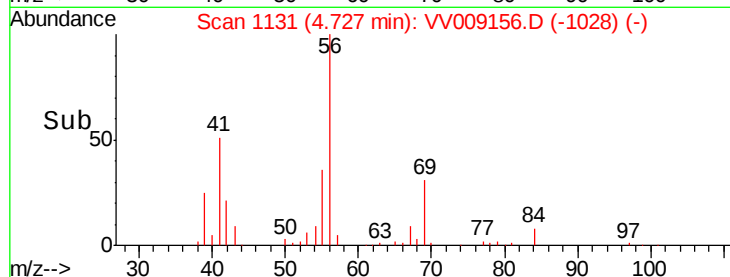
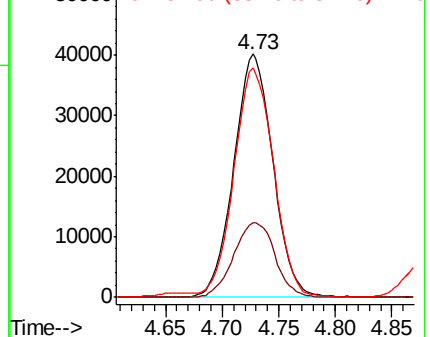
56 100

69 32.5 26.0 39.0

84 96.2 77.0 115.4



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: 24.840 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

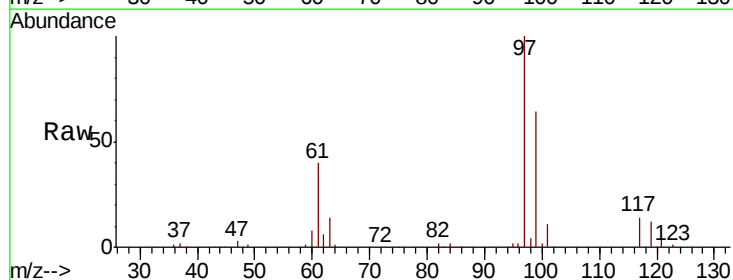
Tgt Ion: 97 Resp: 111255

Ion Ratio Lower Upper

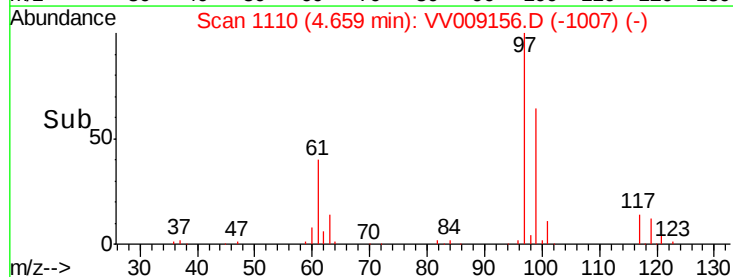
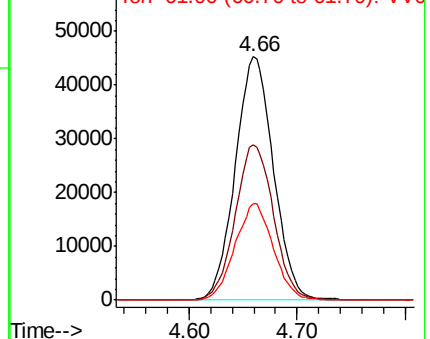
97 100

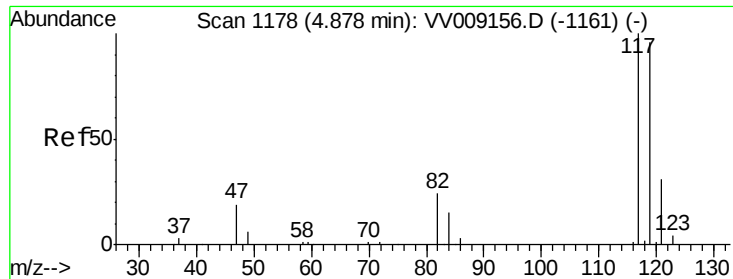
99 64.0 51.2 76.8

61 39.7 31.8 47.6



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: 24.906 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

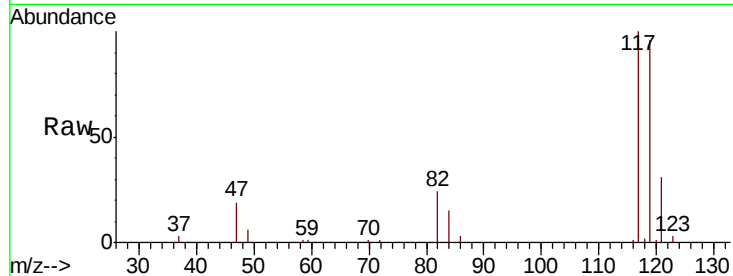
VSTD02564

Tgt Ion:117 Resp: 102102

Ion Ratio Lower Upper

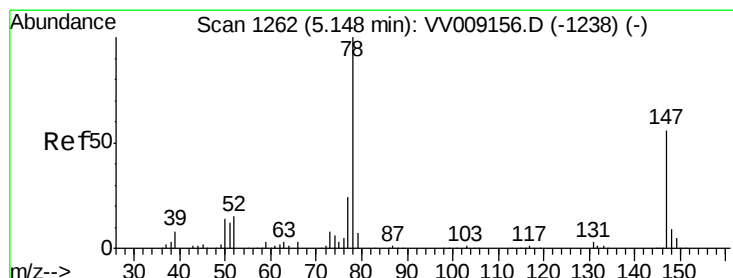
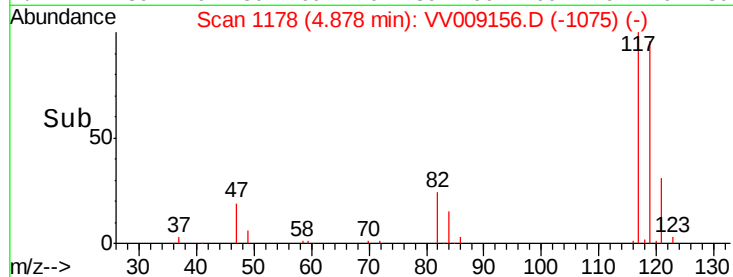
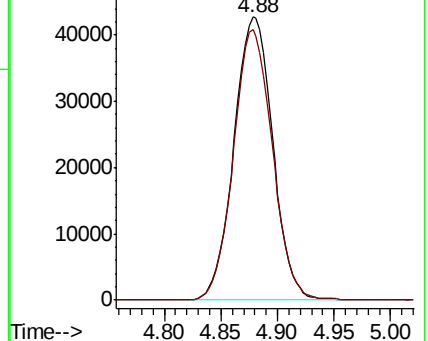
117 100

119 95.8 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.494 ug/L

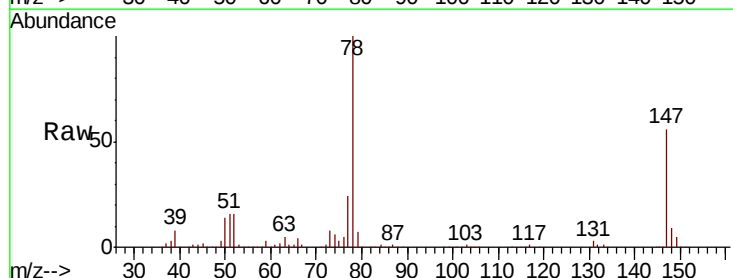
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

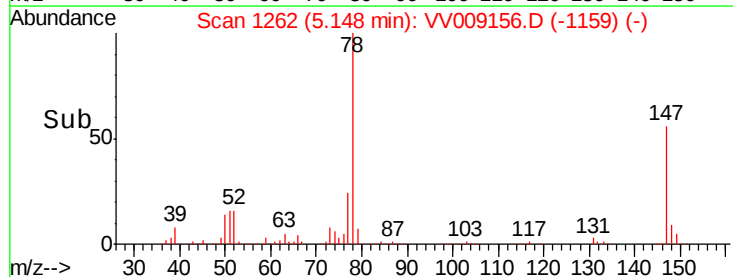
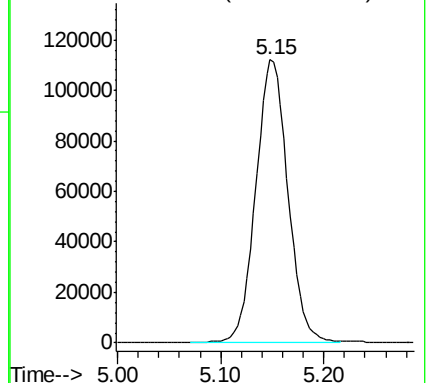
Lab File: VV009156.D

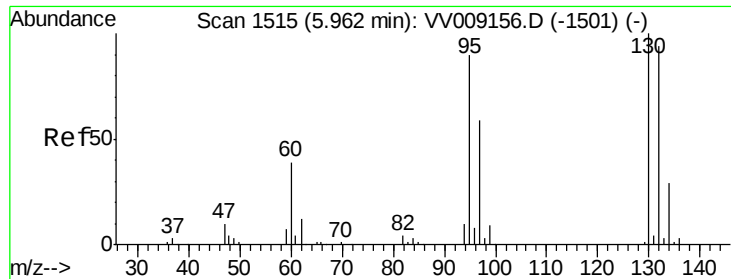
Acq: 04 Jan 2019 11:44

Tgt Ion: 78 Resp: 242569



Abundance Ion 78.00 (77.70 to 78.70): VV0

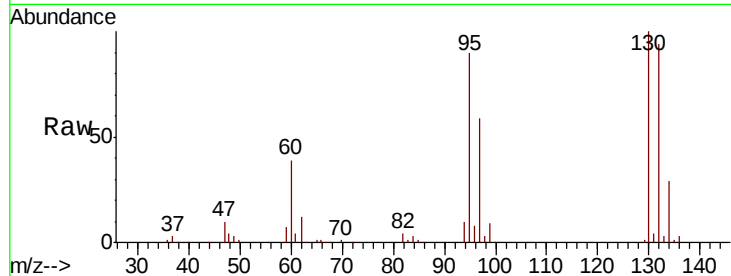




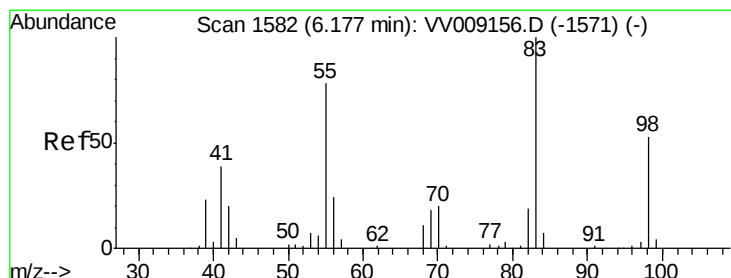
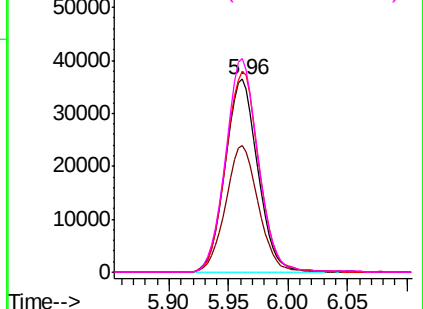
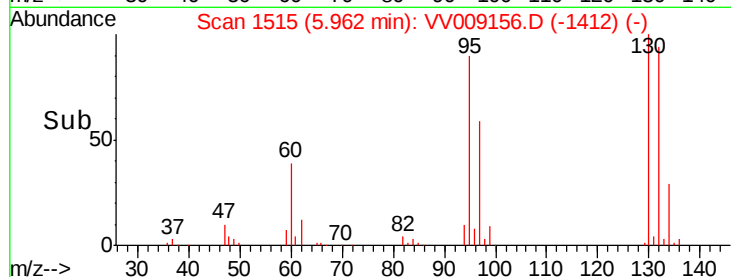
#35
 Trichloroethene
 Concen: 24.329 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

Tgt Ion: 95 Resp: 69413
 Ion Ratio Lower Upper
 95 100
 97 66.0 46.2 85.8
 132 105.6 73.9 137.3
 130 110.0 77.0 143.0

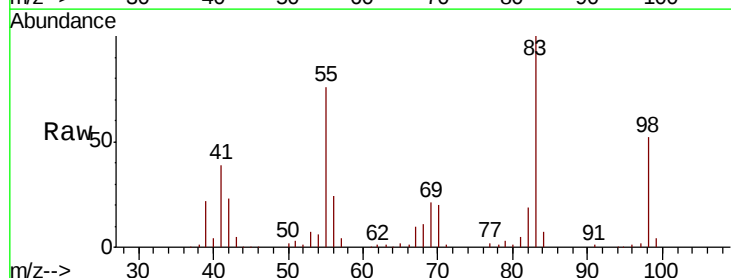


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

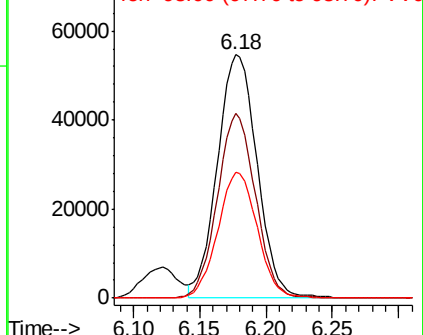
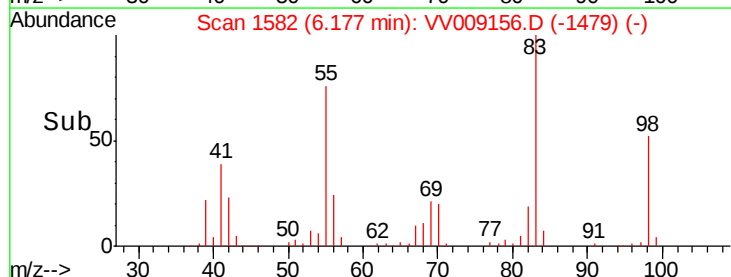


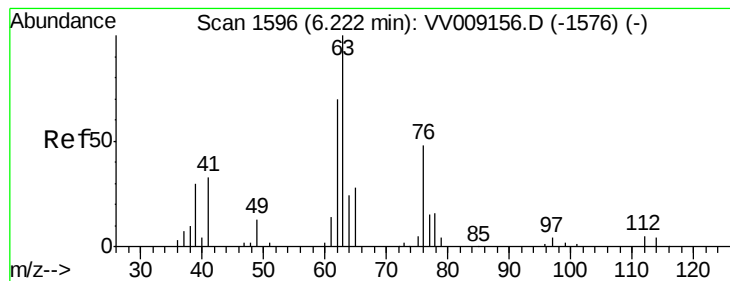
#36
 Methylcyclohexane
 Concen: 23.722 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Tgt Ion: 83 Resp: 113082
 Ion Ratio Lower Upper
 83 100
 55 73.1 58.5 87.7
 98 51.7 41.4 62.0



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: 25.589 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

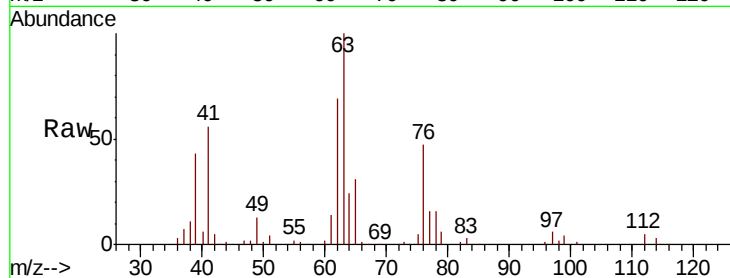
VSTD02564

Tgt Ion: 63 Resp: 61080

Ion Ratio Lower Upper

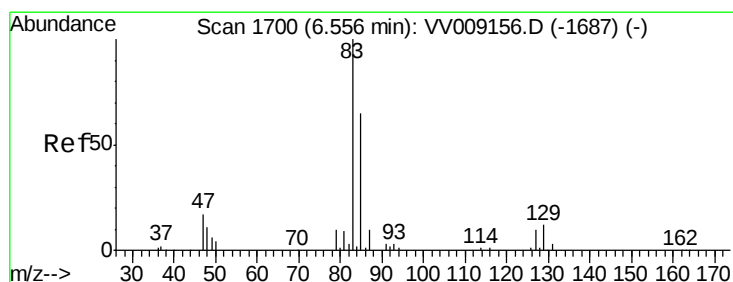
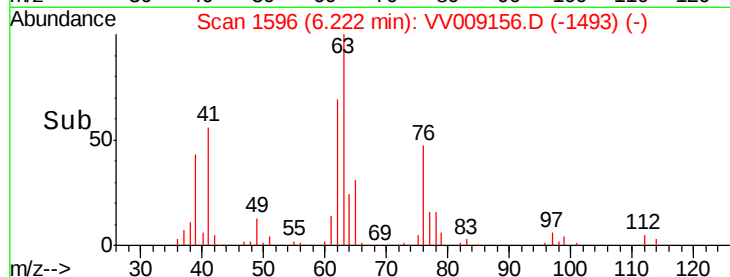
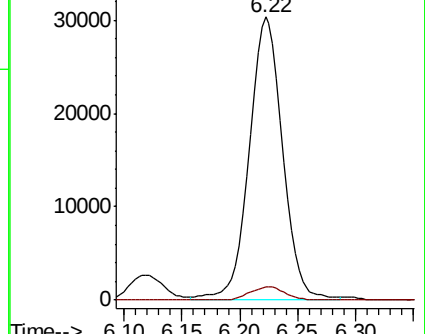
63 100

112 4.9 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV009156.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV009156.D (-1576) (-)



#41

Bromodichloromethane

Concen: 25.012 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

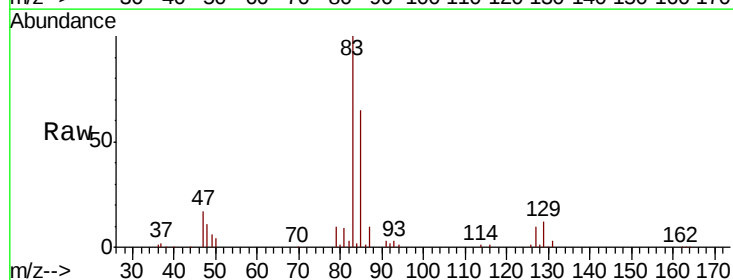
Tgt Ion: 83 Resp: 81833

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

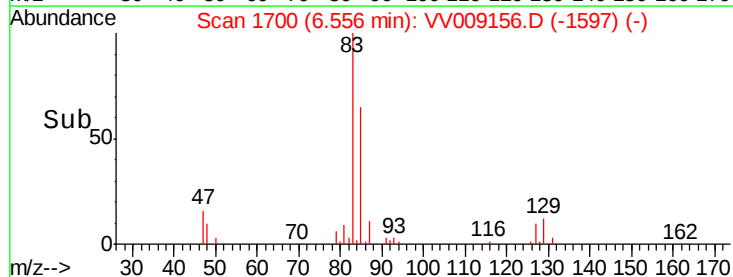
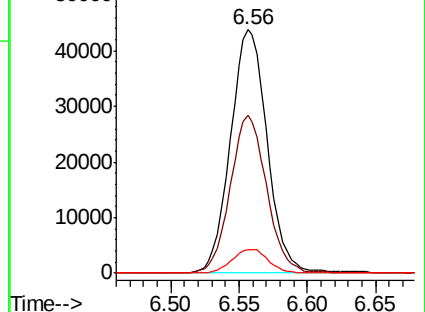
127 9.7 7.8 11.6

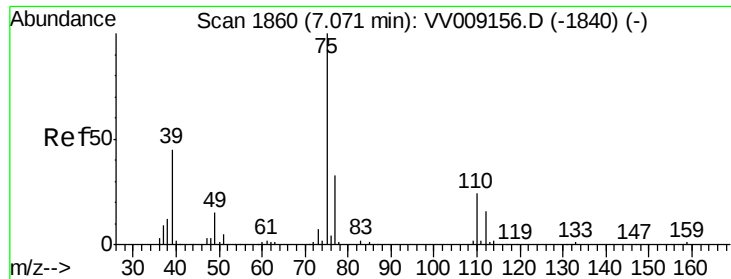


Abundance Ion 83.00 (82.70 to 83.70): VV009156.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV009156.D (-1687) (-)

Ion 127.00 (126.70 to 127.70): VV009156.D (-1687) (-)



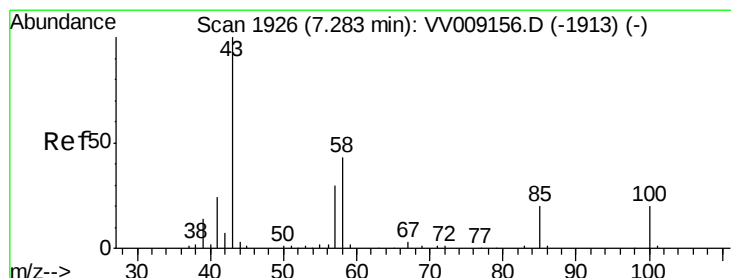
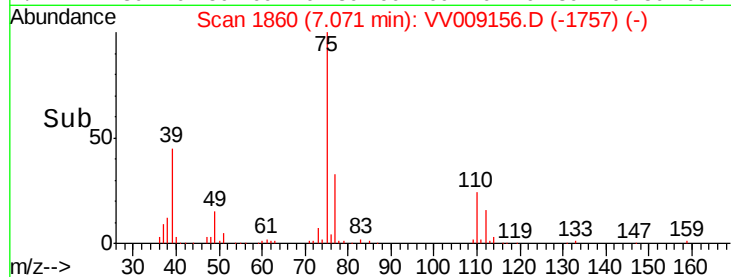
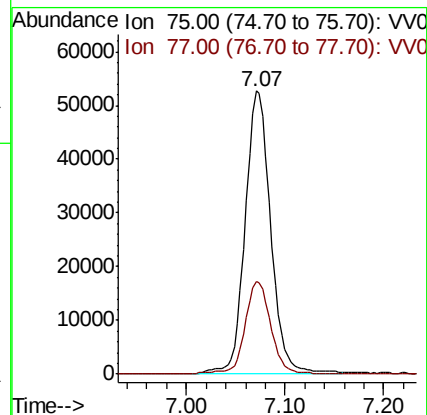
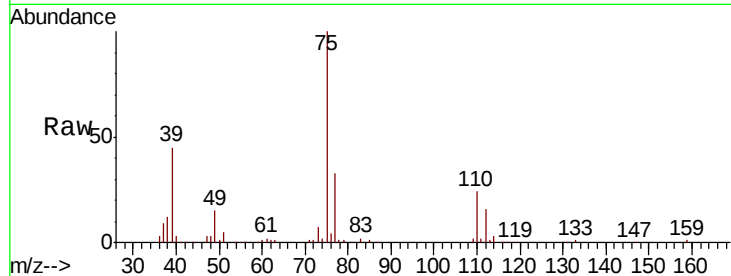


#42

cis-1,3-Dichloropropene
 Concen: 25.123 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

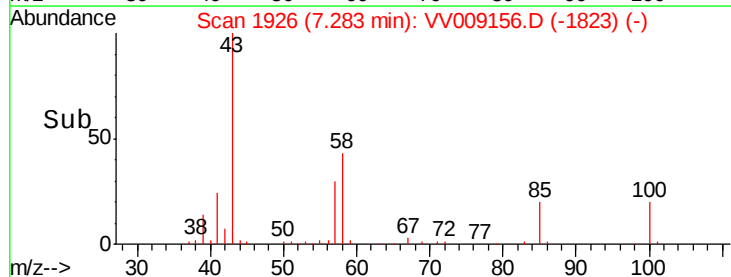
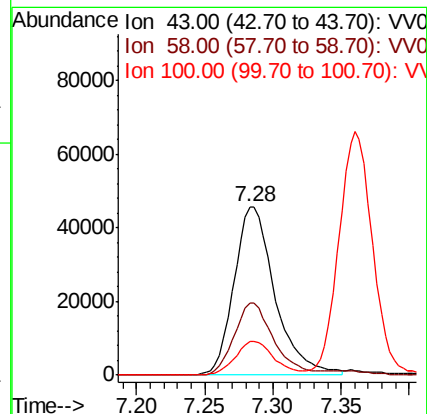
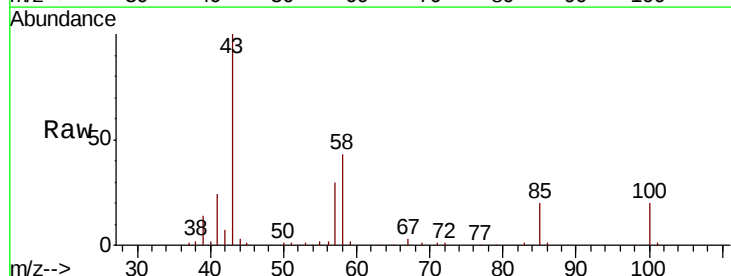
Tgt Ion: 75 Resp: 95027
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.8 42.4

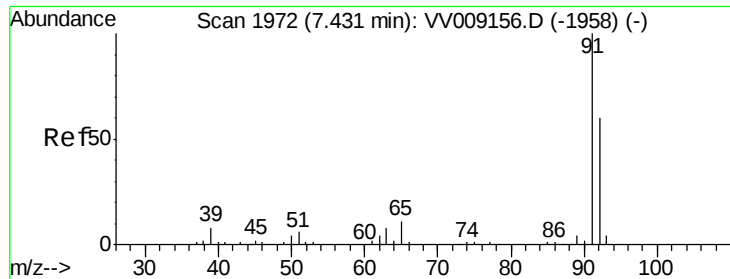


#43

4-Methyl-2-pentanone
 Concen: 41.952 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Tgt Ion: 43 Resp: 95451
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.4 50.2
 100 19.0 15.2 22.8





#44

Toluene

Concen: 24.954 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

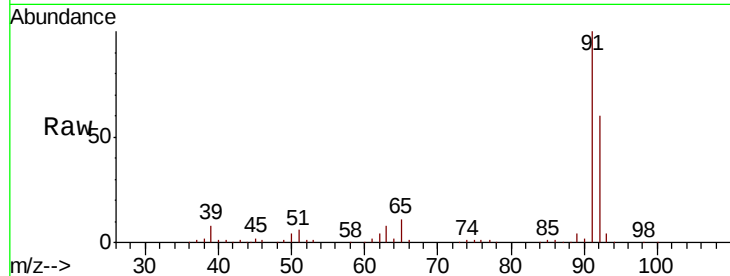
VSTD02564

Tgt Ion: 91 Resp: 266441

Ion Ratio Lower Upper

91 100

92 59.6 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV009156.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009156.D (-1958) (-)

7.43

150000

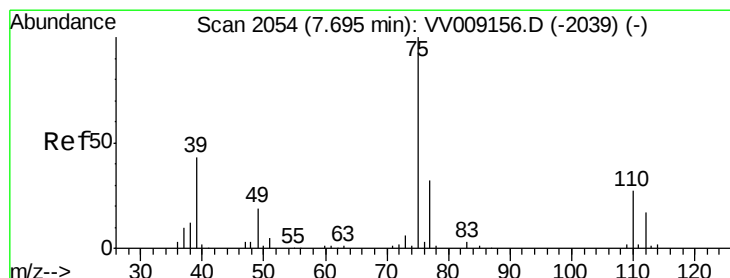
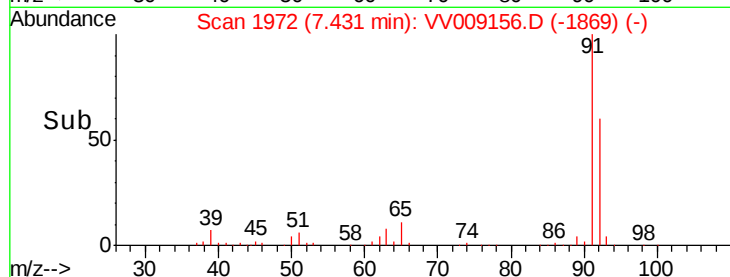
100000

50000

0

7.40 7.50

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.549 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009156.D

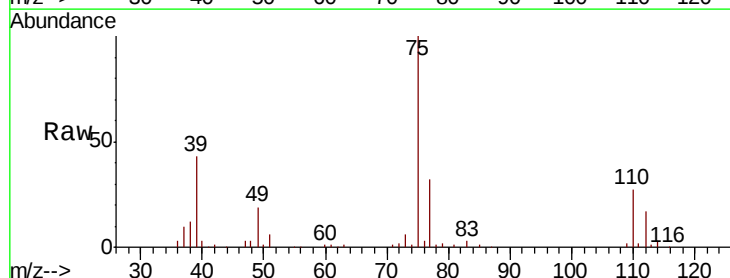
Acq: 04 Jan 2019 11:44

Tgt Ion: 75 Resp: 81298

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV009156.D (-2039) (-)

Ion 77.00 (76.70 to 77.70): VV009156.D (-2039) (-)

7.69

50000

40000

30000

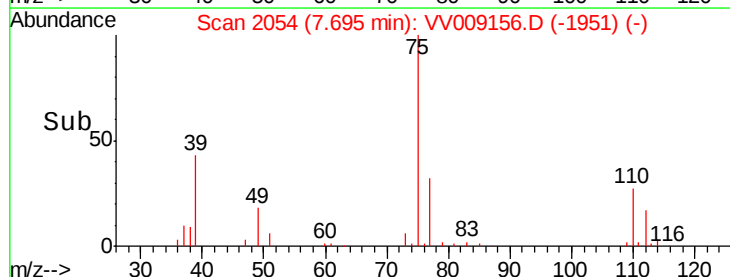
20000

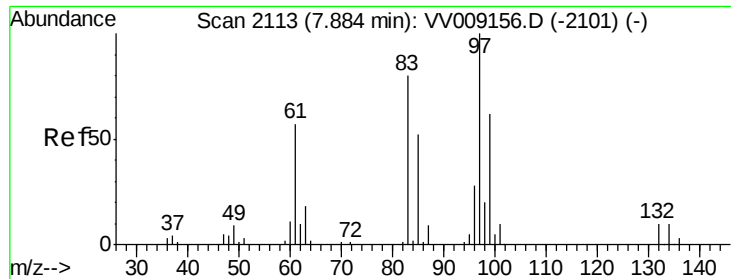
10000

0

7.60 7.65 7.70 7.75 7.80

Time-->

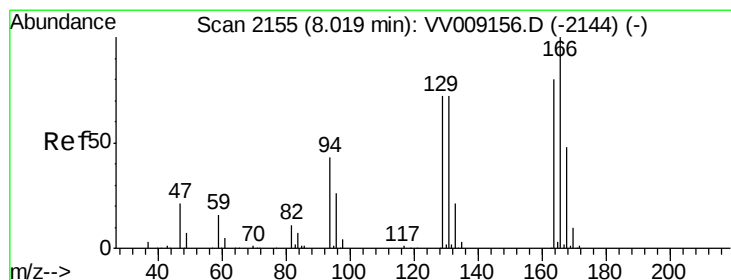
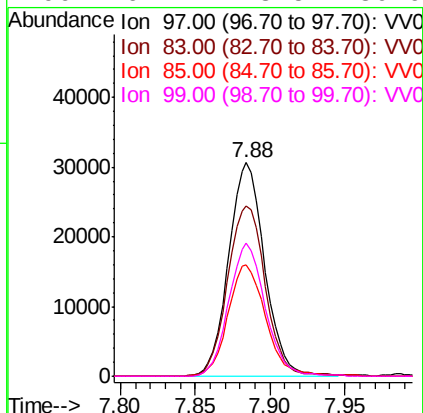
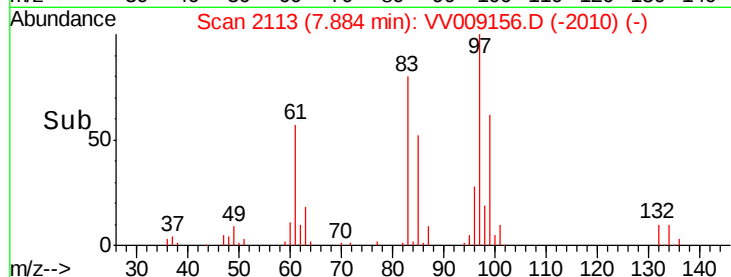
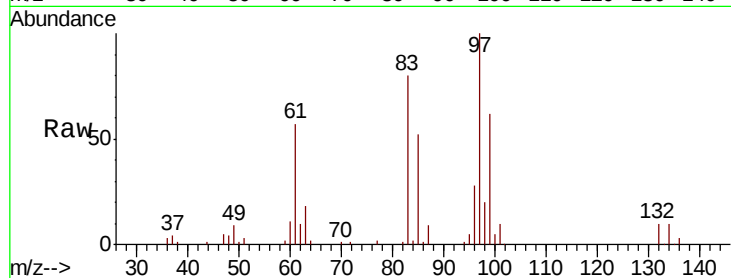




#46
1,1,2-Trichloroethane
Concen: 24.390 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV009156.D
Acq: 04 Jan 2019 11:44

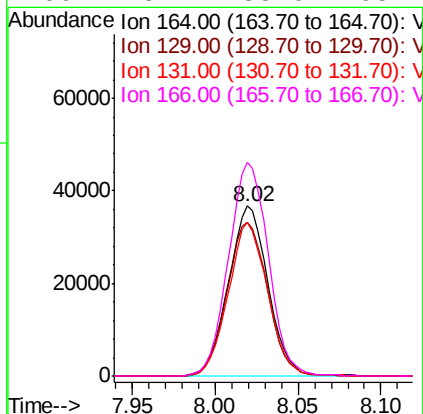
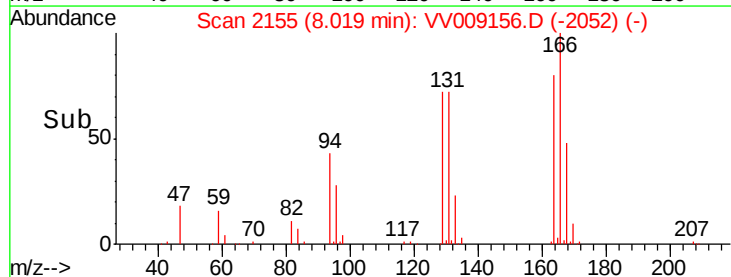
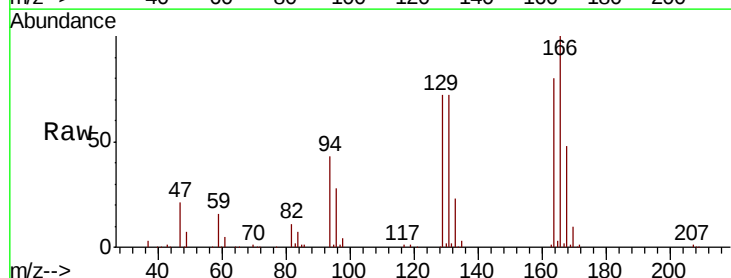
Instrument :
MSVOA_V
ClientSampleId :
VSTD02564

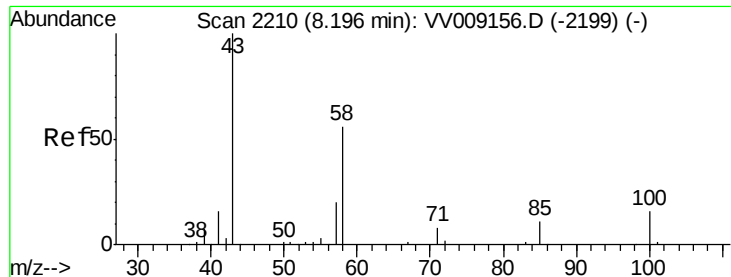
Tgt Ion:	97	Resp:	51455
Ion	Ratio	Lower	Upper
97	100		
83	80.0	56.0	104.0
85	52.2	36.5	67.9
99	62.2	43.5	80.9



#47
Tetrachloroethene
Concen: 24.597 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV009156.D
Acq: 04 Jan 2019 11:44

Tgt Ion:	164	Resp:	60800
Ion	Ratio	Lower	Upper
164	100		
129	90.7	63.5	117.9
131	90.3	63.2	117.4
166	125.7	88.0	163.4

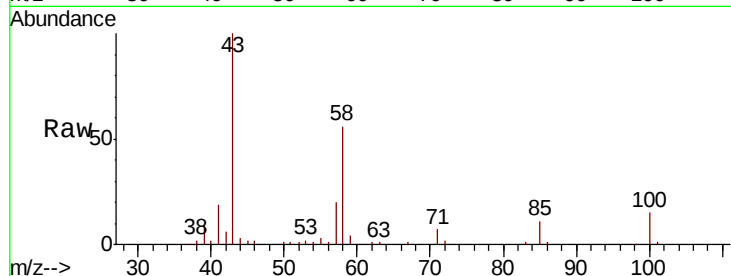




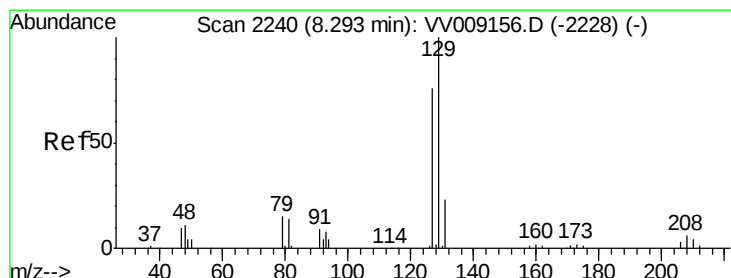
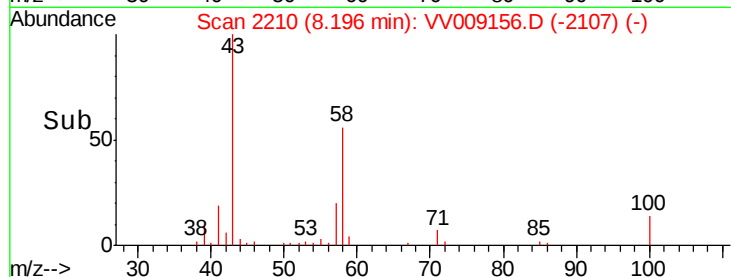
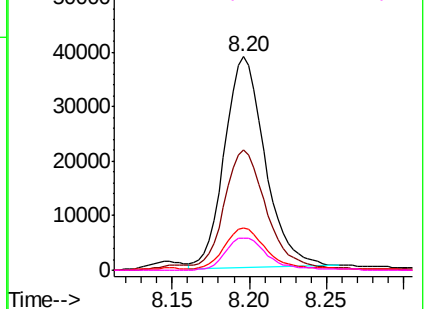
#49
2-Hexanone
Concen: 41.977 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV009156.D
Acq: 04 Jan 2019 11:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD02564

Tgt Ion: 43 Resp: 70289
Ion Ratio Lower Upper
43 100
58 58.4 46.7 70.1
57 19.4 15.5 23.3
100 16.0 12.8 19.2

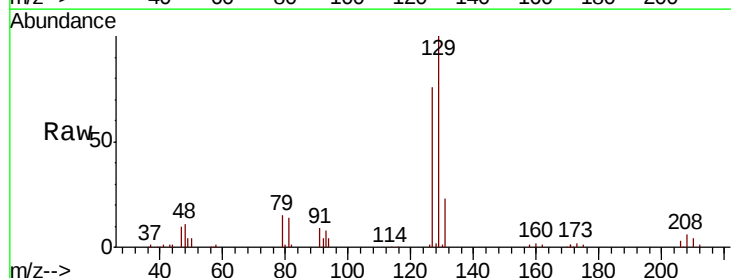


Abundance Ion 43.00 (42.70 to 43.70): VV009156.D (-2199) (-)
Ion 58.00 (57.70 to 58.70): VV009156.D (-2199) (-)
Ion 57.00 (56.70 to 57.70): VV009156.D (-2199) (-)
Ion 100.00 (99.70 to 100.70): VV009156.D (-2199) (-)

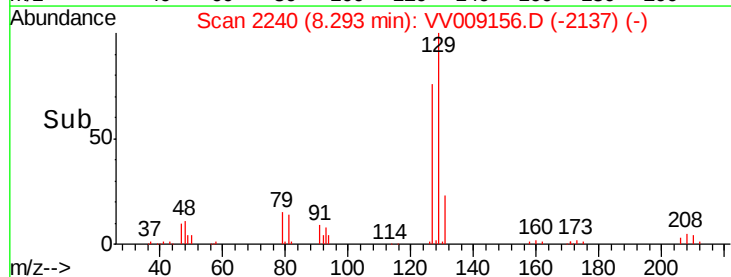
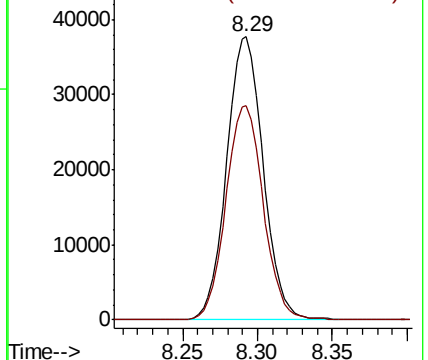


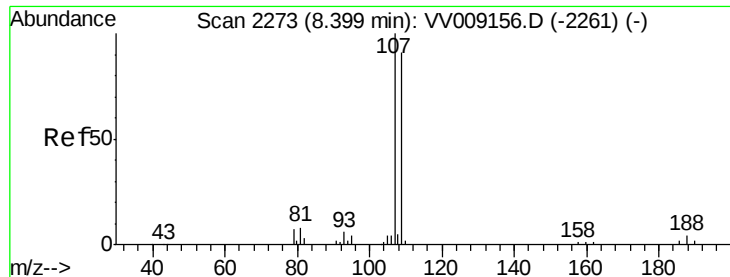
#50
Dibromochloromethane
Concen: 24.787 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009156.D
Acq: 04 Jan 2019 11:44

Tgt Ion: 129 Resp: 64243
Ion Ratio Lower Upper
129 100
127 75.9 53.1 98.7



Abundance Ion 129.00 (128.70 to 129.70): VV009156.D (-2228) (-)
Ion 127.00 (126.70 to 127.70): VV009156.D (-2228) (-)





#51

1,2-Dibromoethane

Concen: 24.081 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02564

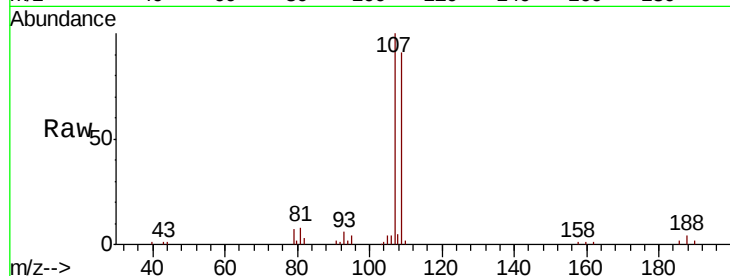
Tgt Ion:107 Resp: 53122

Ion Ratio Lower Upper

107 100

109 90.8 63.6 118.0

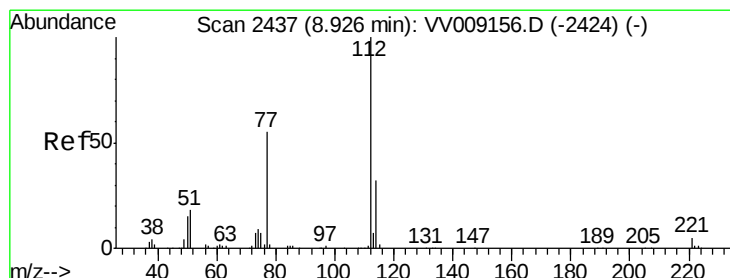
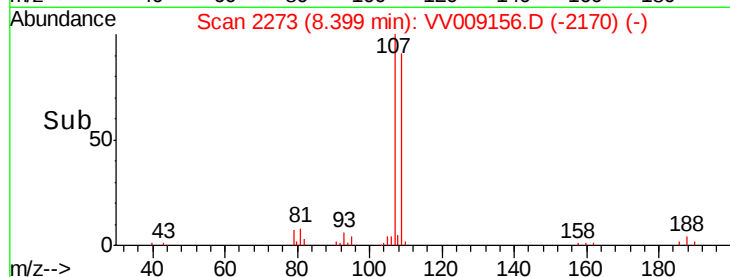
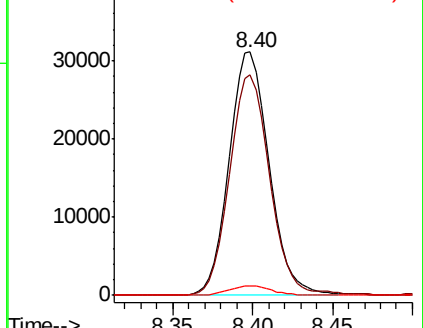
188 4.1 3.3 4.9



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: 24.286 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

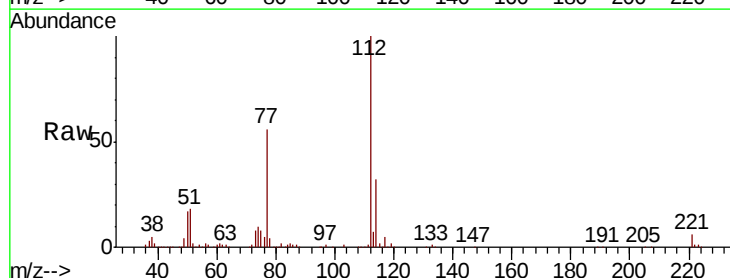
Tgt Ion:112 Resp: 177921

Ion Ratio Lower Upper

112 100

77 55.7 44.6 66.8

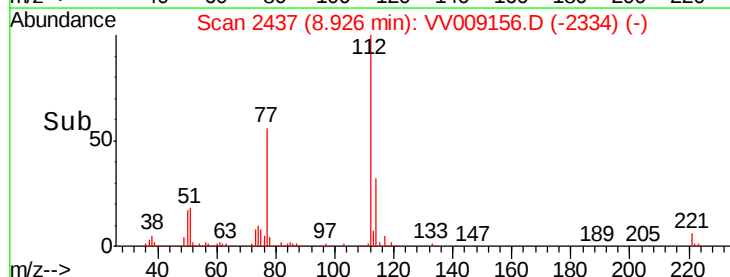
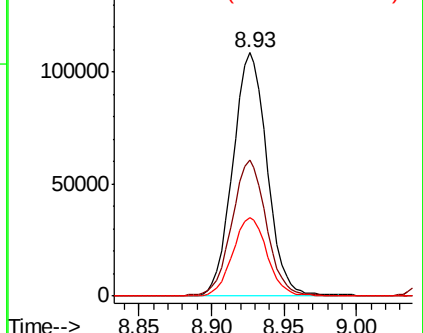
114 32.2 22.5 41.9

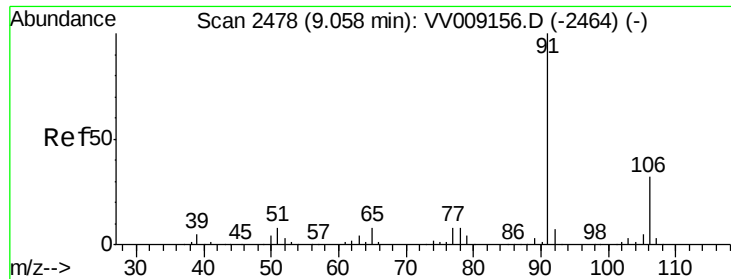


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.711 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

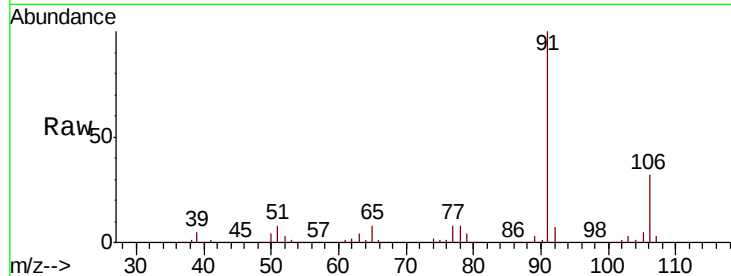
VSTD02564

Tgt Ion: 91 Resp: 298377

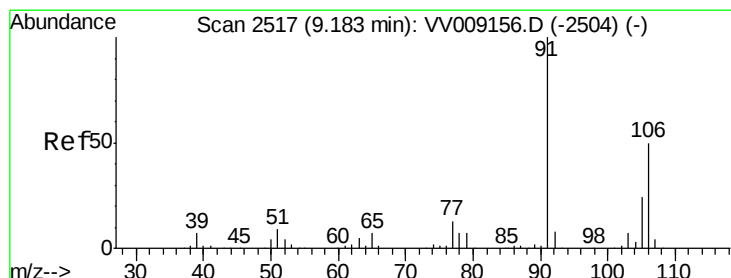
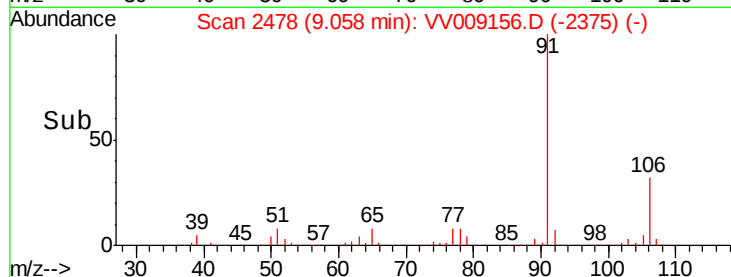
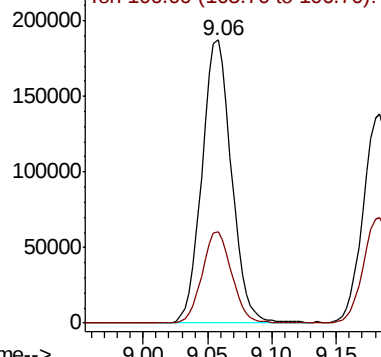
Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VV009156.D (-2464) (-)



#54

m,p-Xylene

Concen: 24.796 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009156.D

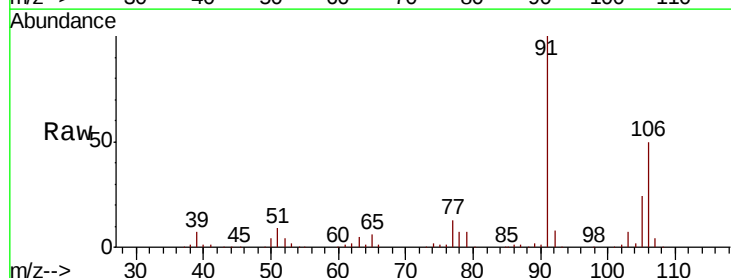
Acq: 04 Jan 2019 11:44

Tgt Ion: 106 Resp: 116653

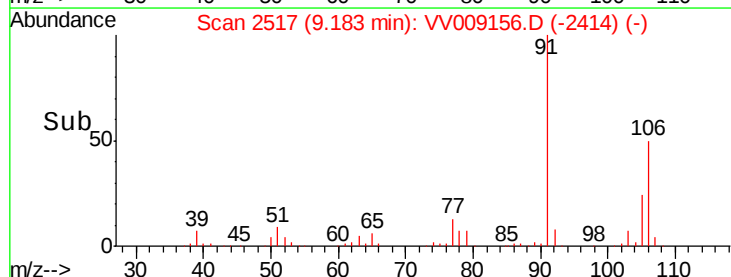
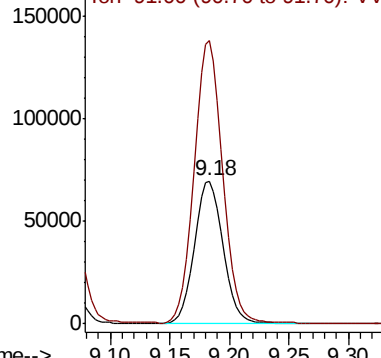
Ion Ratio Lower Upper

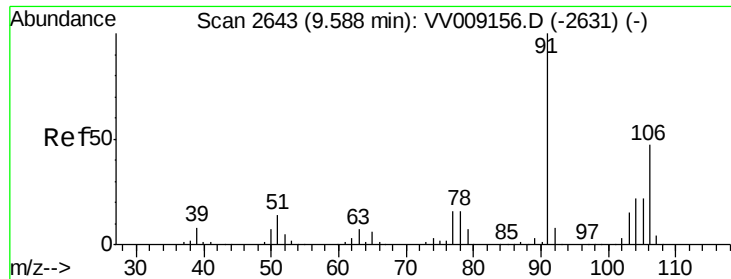
106 100

91 198.4 138.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): VV009156.D (-2504) (-)

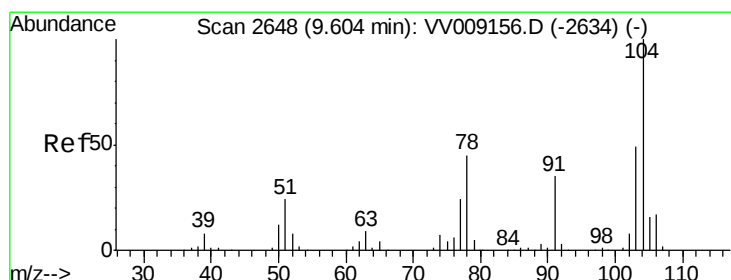
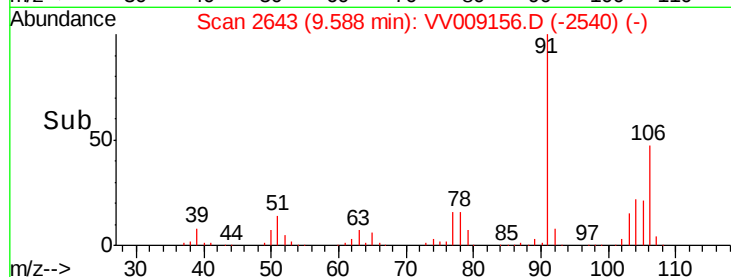
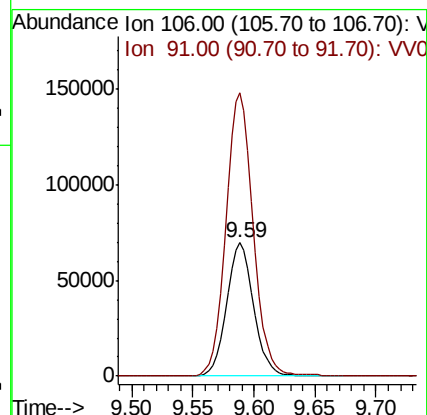
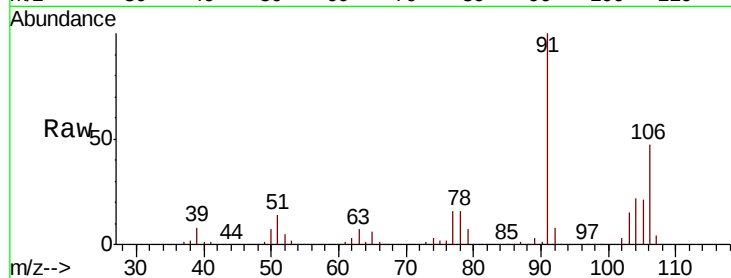




#55
o-xylene
Concen: 24.961 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009156.D
Acq: 04 Jan 2019 11:44

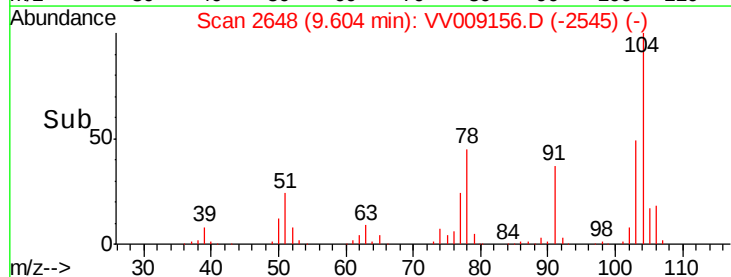
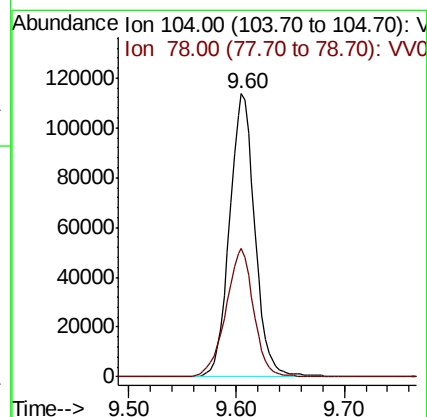
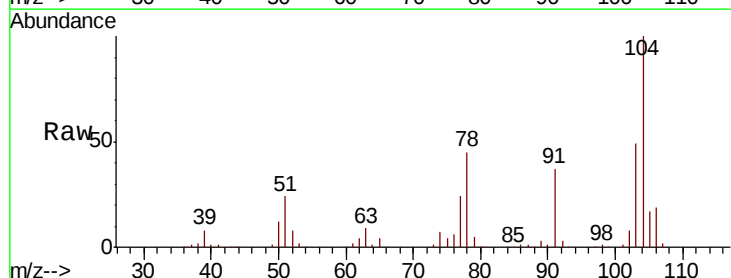
Instrument :
MSVOA_V
ClientSampleId :
VSTD02564

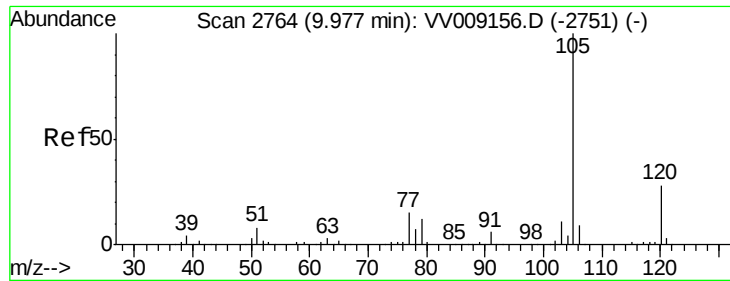
Tgt Ion:106 Resp: 108577
Ion Ratio Lower Upper
106 100
91 212.4 148.7 276.1



#56
Styrene
Concen: 25.373 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009156.D
Acq: 04 Jan 2019 11:44

Tgt Ion:104 Resp: 186165
Ion Ratio Lower Upper
104 100
78 45.2 31.6 58.8





#57

Isopropylbenzene

Concen: 25.208 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02564

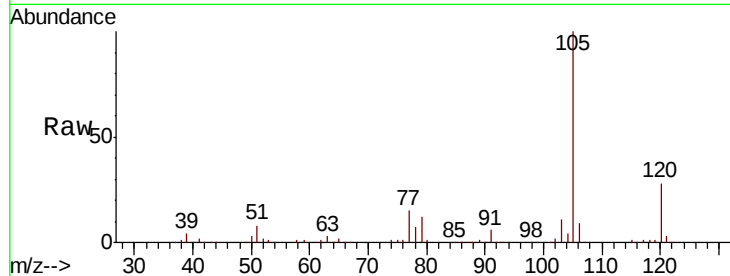
Tgt Ion: 105 Resp: 304242

Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

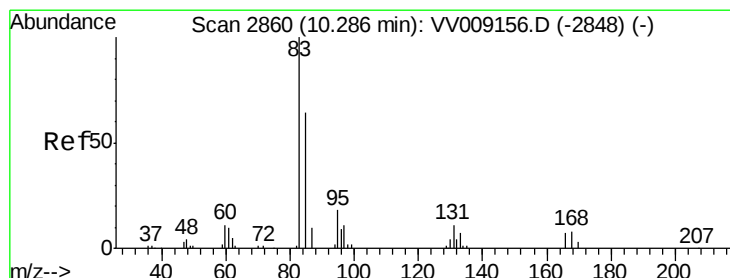
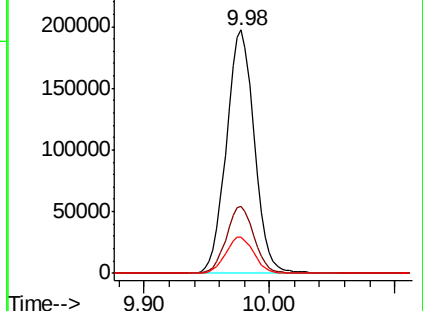
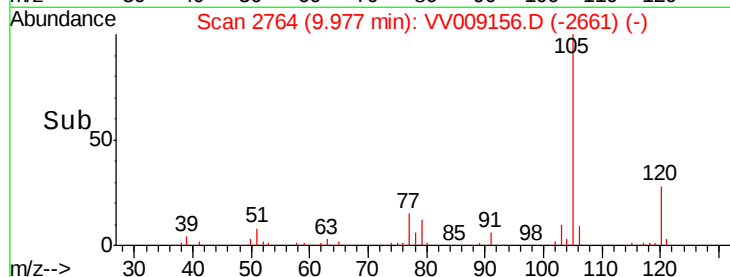
77 15.1 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): VV009156.D (-2751) (-)

Ion 120.00 (119.70 to 120.70): VV009156.D (-2751) (-)

Ion 77.00 (76.70 to 77.70): VV009156.D (-2751) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 23.570 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

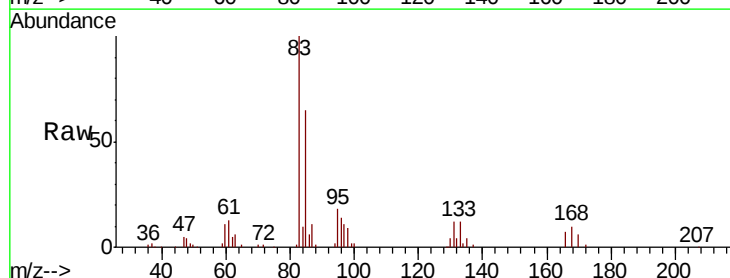
Tgt Ion: 83 Resp: 66623

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

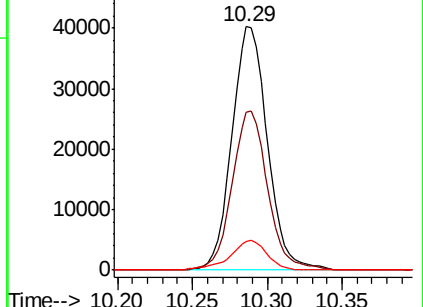
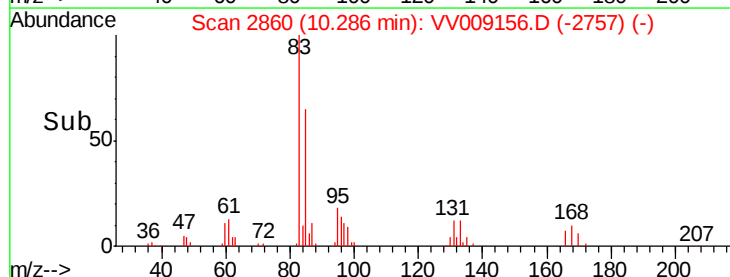
131 11.7 9.4 14.0

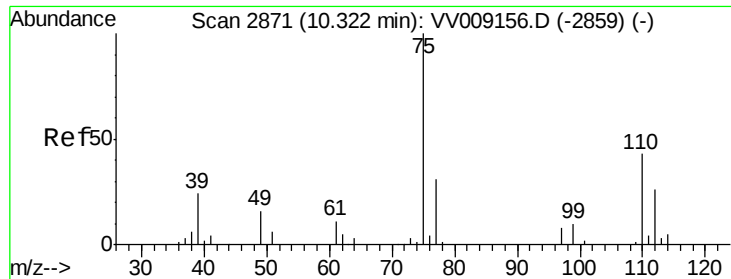


Abundance Ion 83.00 (82.70 to 83.70): VV009156.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV009156.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV009156.D (-2848) (-)

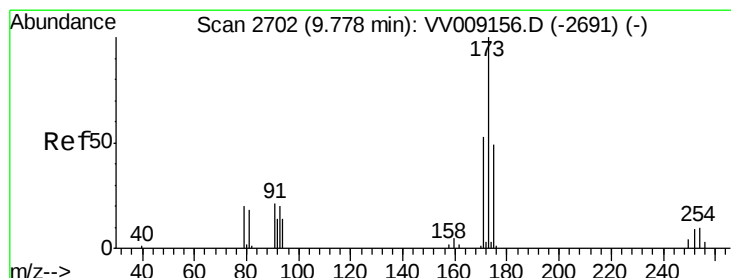
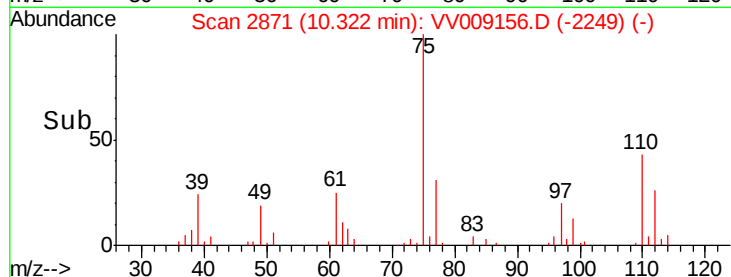
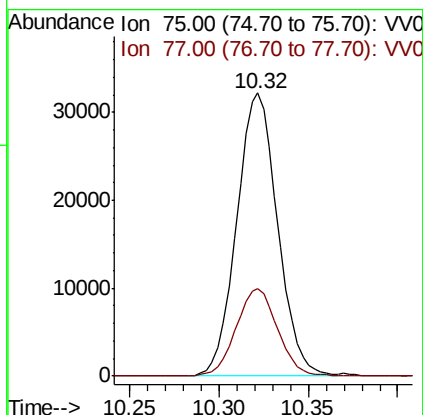
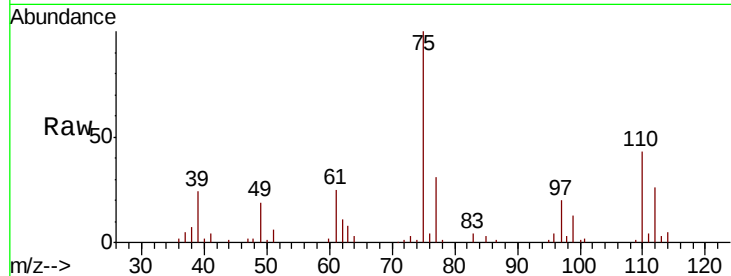




#59
 1,2,3-Trichloropropane
 Concen: 22.835 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

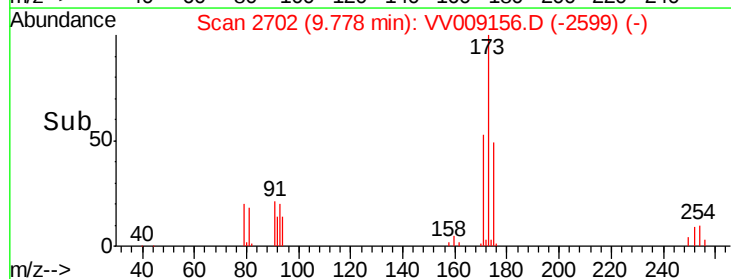
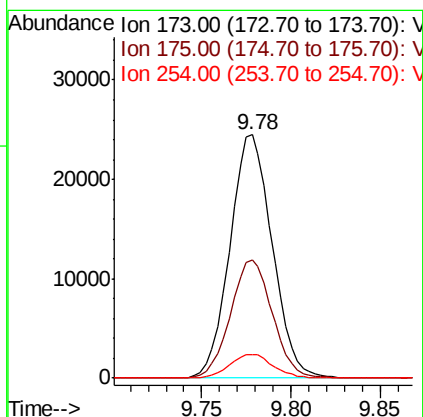
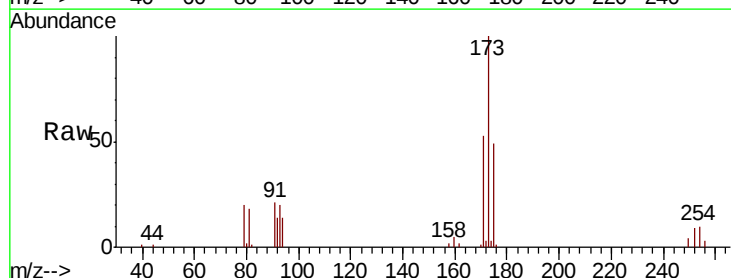
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

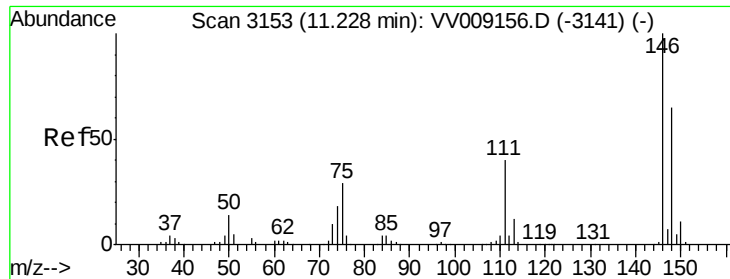
Tgt Ion: 75 Resp: 51590
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6



#62
 Bromoform
 Concen: 24.248 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Tgt Ion: 173 Resp: 40318
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.4 57.6
 254 10.0 8.0 12.0

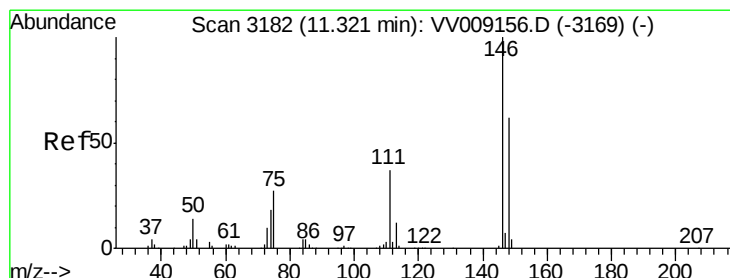
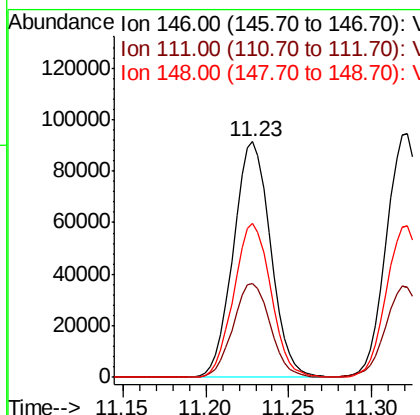
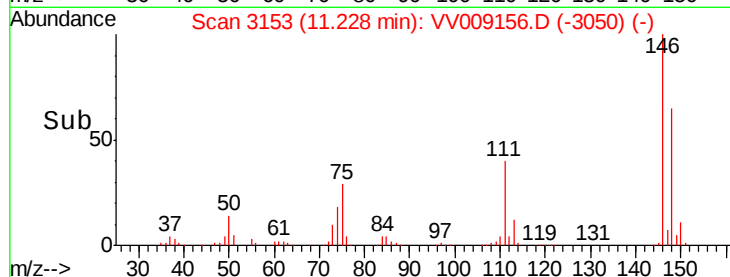
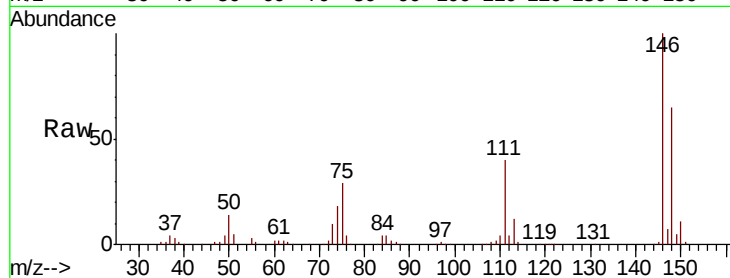




#63
 1,3-Dichlorobenzene
 Concen: 24.165 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

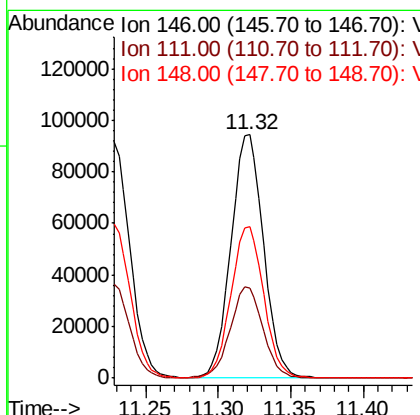
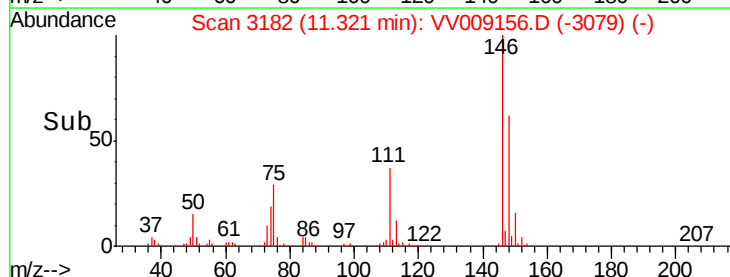
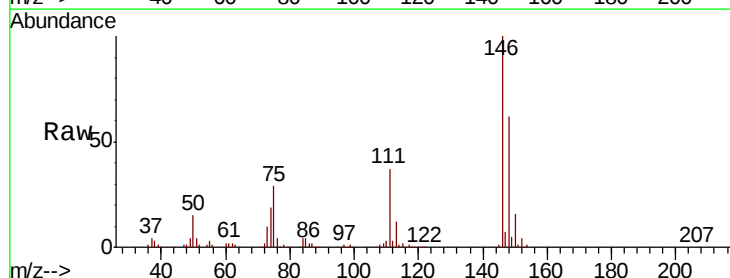
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

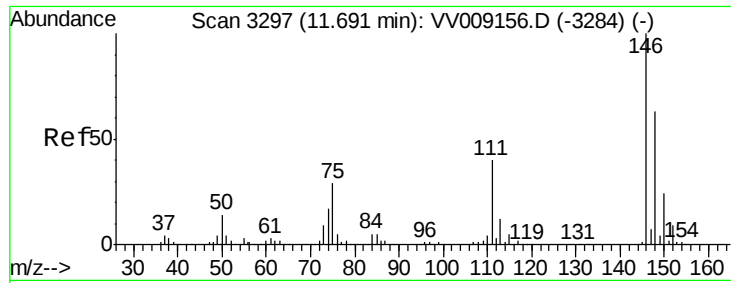
Tgt Ion:146 Resp: 143354
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.0 52.0
 148 65.2 45.6 84.8



#64
 1,4-Dichlorobenzene
 Concen: 23.805 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Tgt Ion:146 Resp: 147201
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.0 48.4
 148 62.0 43.4 80.6





#65

1,2-Dichlorobenzene

Concen: 24.299 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD02564

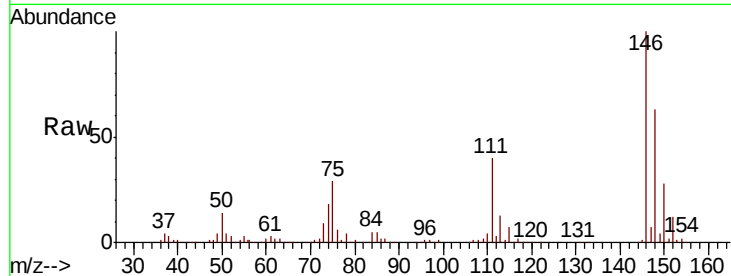
Tgt Ion: 146 Resp: 137309

Ion Ratio Lower Upper

146 100

111 40.3 32.2 48.4

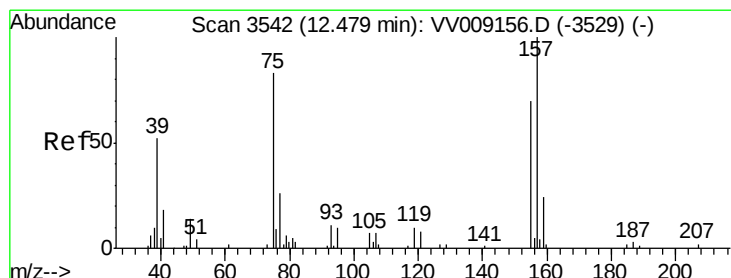
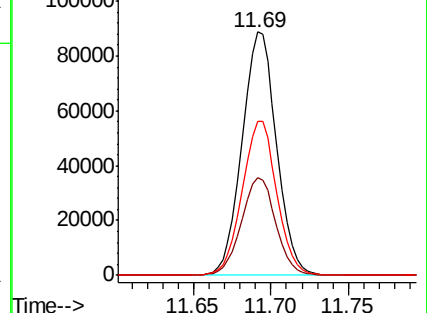
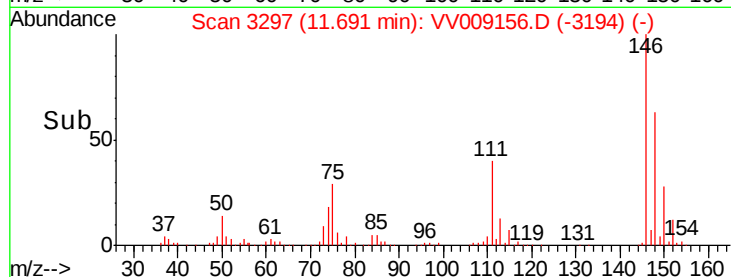
148 63.0 50.4 75.6



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: 23.058 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

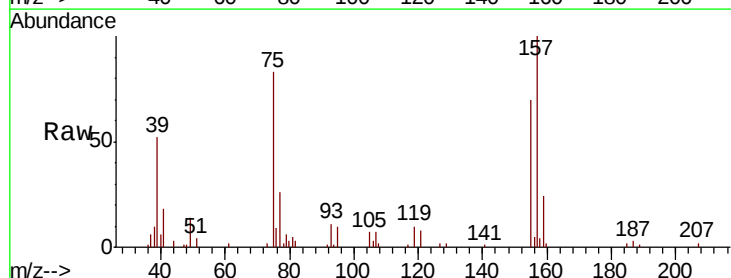
Tgt Ion: 75 Resp: 13527

Ion Ratio Lower Upper

75 100

157 121.1 96.9 145.3

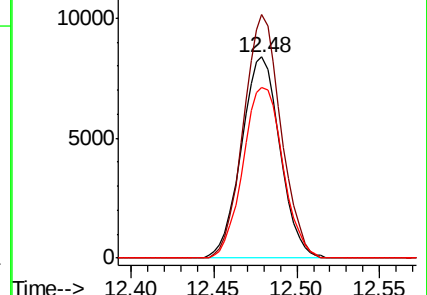
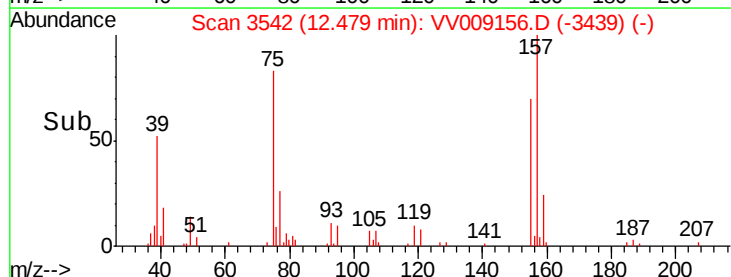
155 85.0 68.0 102.0

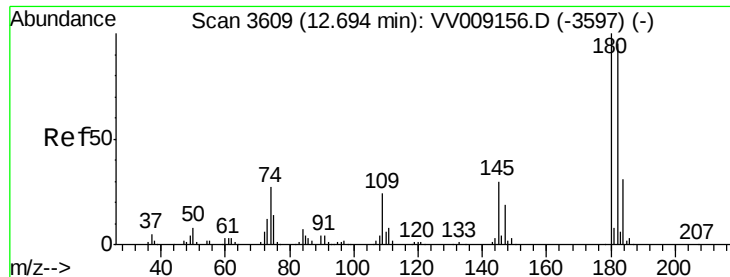


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

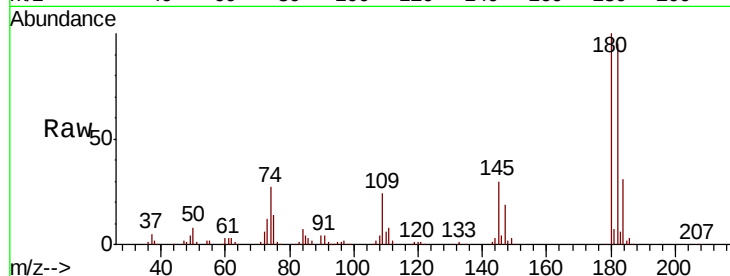




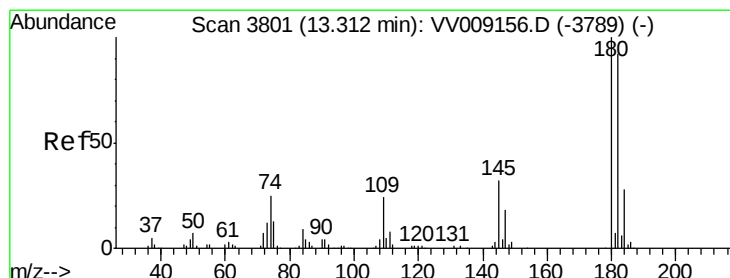
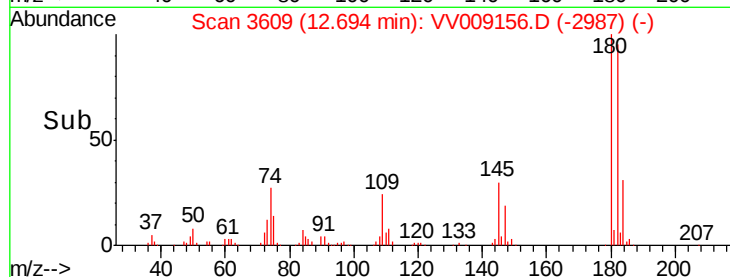
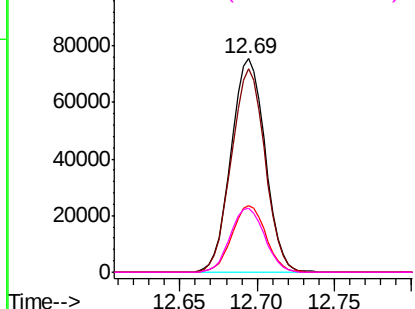
#67
 1,3,5-Trichlorobenzene
 Concen: 24.104 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

Tgt Ion:180 Resp: 115319
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.3 112.9
 184 30.8 24.6 37.0
 145 29.9 23.9 35.9

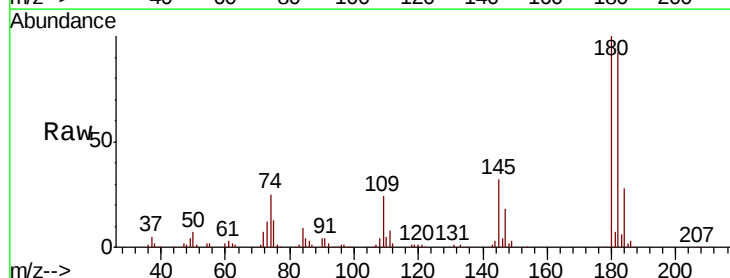


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

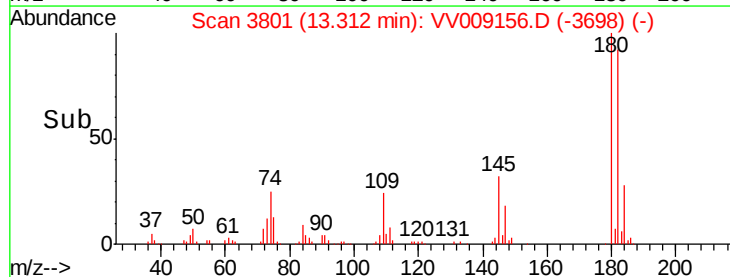
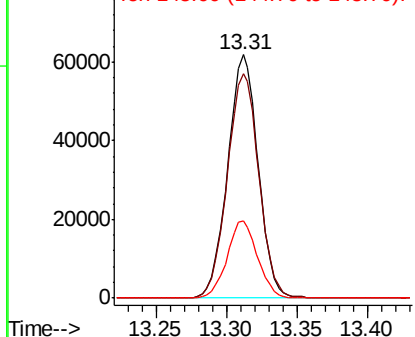


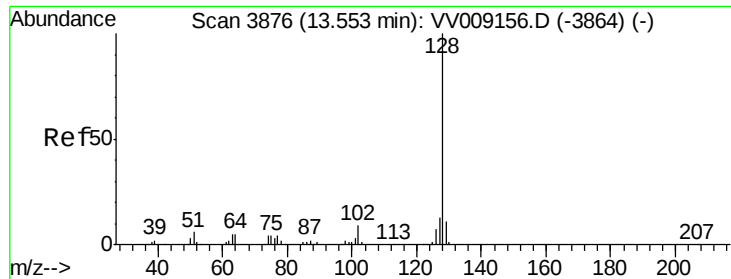
#68
 1,2,4-trichlorobenzene
 Concen: 23.974 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009156.D
 Acq: 04 Jan 2019 11:44

Tgt Ion:180 Resp: 93358
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.4
 145 31.7 25.4 38.0



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: 21.988 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

Instrument :

MSVOA_V

ClientSampleID :

VSTD02564

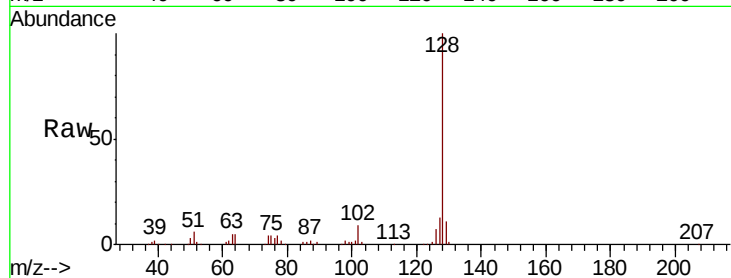
Tgt Ion:128 Resp: 174406

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

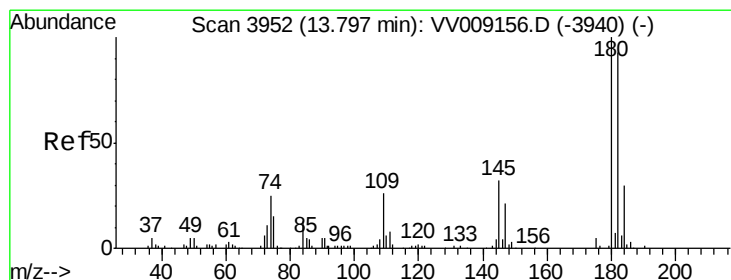
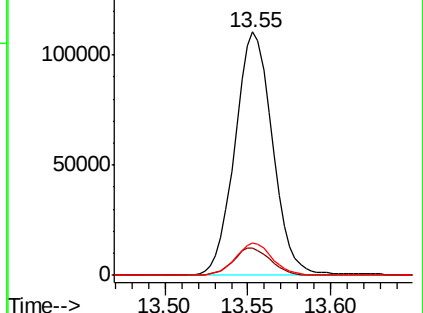
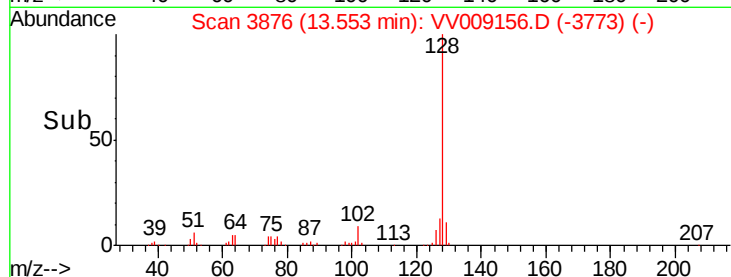
127 13.0 10.4 15.6



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: 23.665 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009156.D

Acq: 04 Jan 2019 11:44

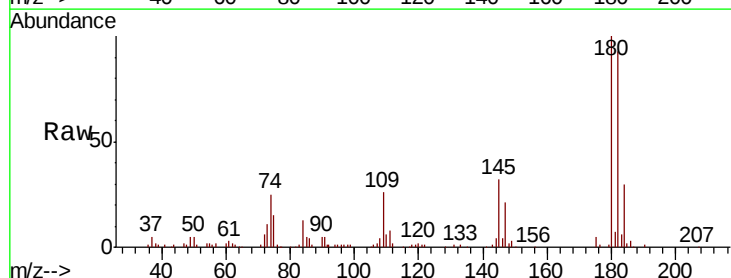
Tgt Ion:180 Resp: 84574

Ion Ratio Lower Upper

180 100

182 93.0 74.4 111.6

145 32.1 25.7 38.5



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

