

Data File : VV009192.D
Acq On : 08 Jan 2019 13:31
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

Quant Time: Jan 08 14:26:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	208904	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	188907	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94298	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9004	6.30	ug/L	0.00
7) Chloroethane-d5	1.58	69	7980	5.76	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	26277	5.50	ug/L	0.00
20) 2-Butanone-d5	3.96	46	3634	3.62	ug/L	0.00
24) Chloroform-d	4.40	84	23377	5.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	12636	5.37	ug/L	0.00
29) Benzene-d6	5.10	84	45818	5.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	13220	5.48	ug/L	0.00
37) Toluene-d8	7.36	98	44005	5.54	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	6329	5.53	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	5977	10.49	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	14164	5.34	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	17586	5.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17051	5.078 ug/L	96
3) Chloromethane	1.25	50	10760	4.731 ug/L	100
5) Vinyl chloride	1.32	62	10853	4.457 ug/L	99
6) Bromomethane	1.54	94	8348	4.867 ug/L	99
8) Chloroethane	1.60	64	7417	4.942 ug/L	99
9) Trichlorofluoromethane	1.77	101	20343	4.556 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13661	4.594 ug/L	97
12) 1,1-Dichloroethene	2.14	96	11875	4.605 ug/L	81
13) Acetone	2.23	43	12766	8.961 ug/L	90
14) Carbon disulfide	2.32	76	35385	4.802 ug/L	98
15) Methyl Acetate	2.47	43	8073	4.580 ug/L	# 82
16) Methylene chloride	2.54	84	15055	4.824 ug/L	87
17) Methyl tert-butyl Ether	2.81	73	29480	4.667 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	13441	4.918 ug/L	96
19) 1,1-Dichloroethane	3.23	63	21114	4.653 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	13354	4.571 ug/L	93
23) Bromochloromethane	4.30	128	6742	4.905 ug/L	93
25) Chloroform	4.43	83	22906	4.740 ug/L	99
27) 1,2-Dichloroethane	5.18	62	15531	4.785 ug/L	98
30) Cyclohexane	4.73	56	19612	4.683 ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	21573	4.697 ug/L	98
32) Carbon tetrachloride	4.87	117	19297	4.590 ug/L	99
34) Benzene	5.15	78	49115	4.836 ug/L	100
35) Trichloroethene	5.96	95	14233	4.865 ug/L	99
36) Methylcyclohexane	6.18	83	23203	4.747 ug/L	99
40) 1,2-Dichloropropane	6.22	63	11245	4.594 ug/L	99
41) Bromodichloromethane	6.56	83	15661	4.668 ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	16637	4.289 ug/L	94
43) 4-Methyl-2-pentanone	7.29	43	21805	9.346 ug/L	98
44) Toluene	7.43	91	51840	4.735 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	7.70	75	14525	4.277	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	10653	4.924	ug/L	97
47) Tetrachloroethene	8.02	164	12022	4.743	ug/L	97
49) 2-Hexanone	8.20	43	16219	9.446	ug/L	95
50) Dibromochloromethane	8.29	129	12105	4.555	ug/L	87
51) 1,2-Dibromoethane	8.40	107	10482	4.634	ug/L	97
52) Chlorobenzene	8.93	112	35740	4.757	ug/L	94
53) Ethylbenzene	9.06	91	56618	4.573	ug/L	100
54) m,p-Xylene	9.18	106	21643	4.486	ug/L	98
55) o-xylene	9.59	106	20678	4.636	ug/L	95
56) Styrene	9.60	104	33302	4.426	ug/L	99
57) Isopropylbenzene	9.98	105	56205	4.541	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	13599	4.692	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	11041	4.766	ug/L	100
62) Bromoform	9.78	173	7807	4.688	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	27883	4.693	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	28762	4.644	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	27120	4.792	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3055	5.199	ug/L #	71
67) 1,3,5-Trichlorobenzene	12.69	180	21804	4.550	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	16313	4.183	ug/L	98
69) Naphthalene	13.56	128	28599	3.600	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	14929	4.171	ug/L	97

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

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Instrument :
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ClientSampleId :
VSTD00578

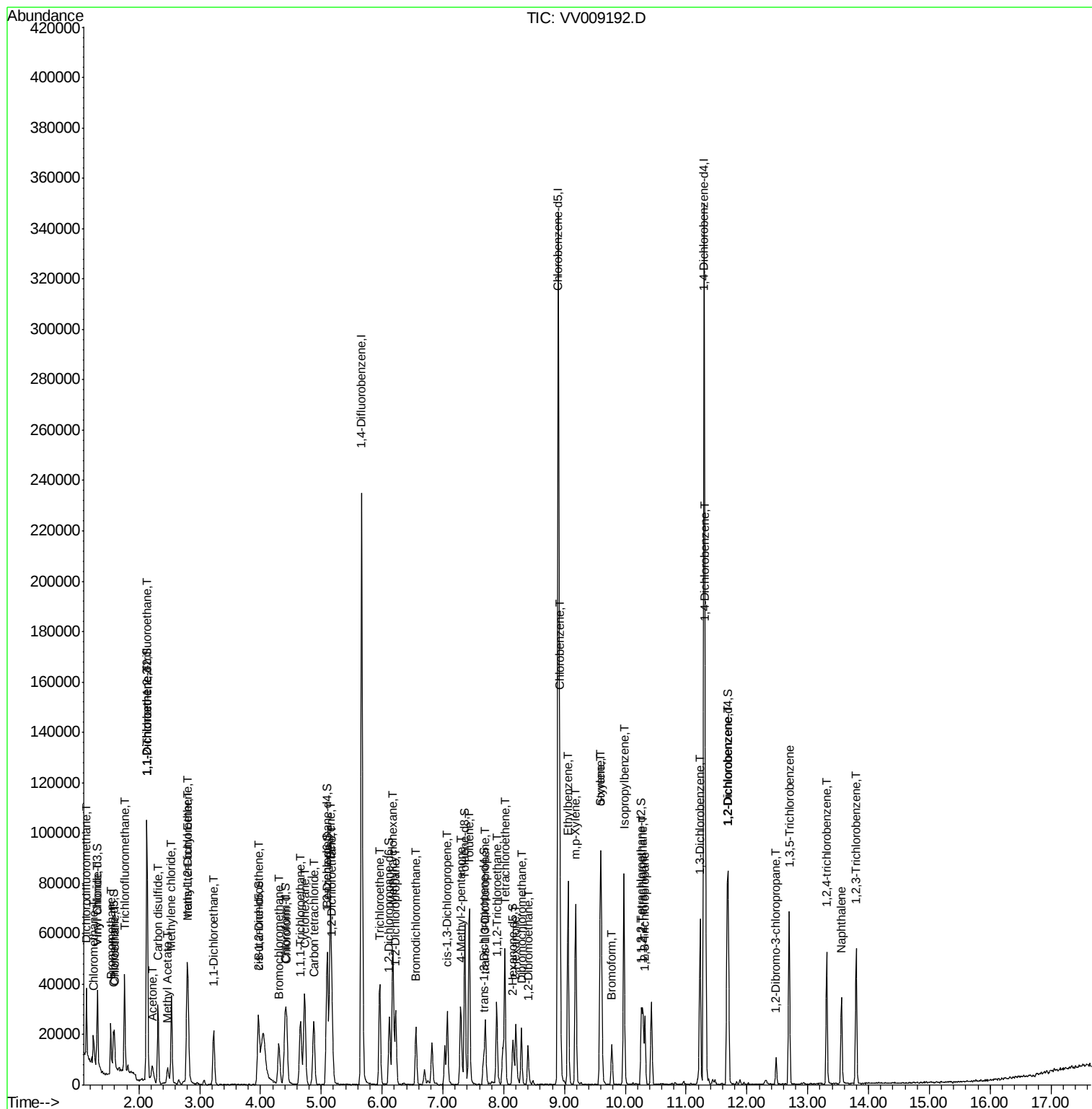
Quant Time: Jan 08 14:26:00 2019

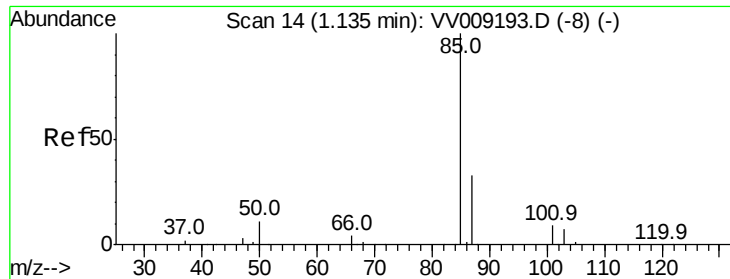
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM010819S.M

Quant Title : VOC Analysis

QLast Update : Tue Jan 08 14:22:31 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.078 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

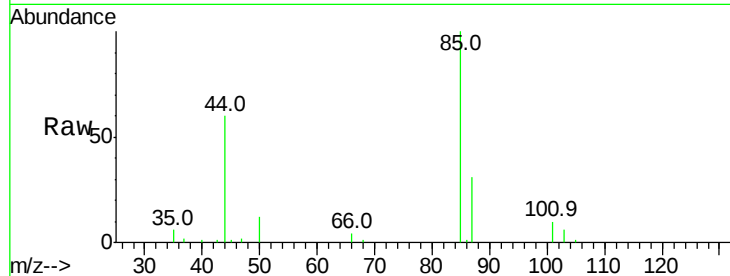
VSTD00578

Tgt Ion: 85 Resp: 17051

Ion Ratio Lower Upper

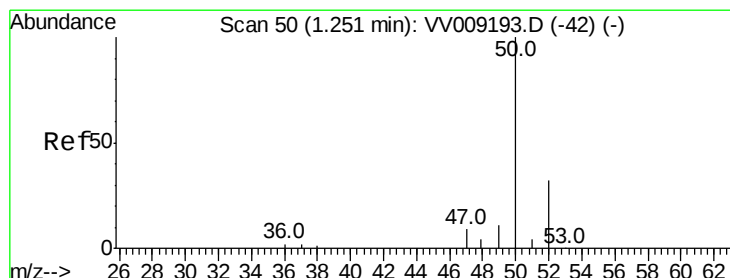
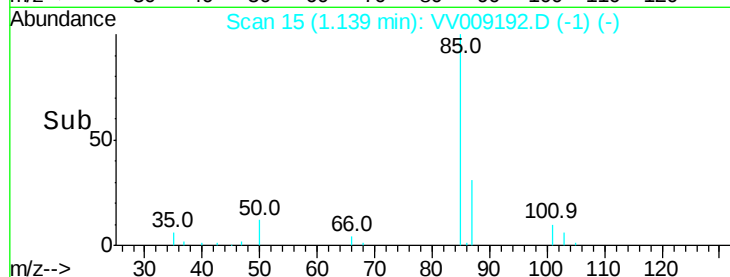
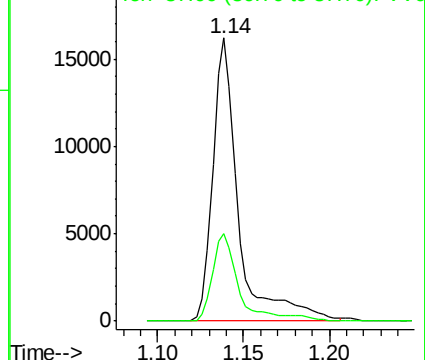
85 100

87 30.4 23.0 42.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.731 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009192.D

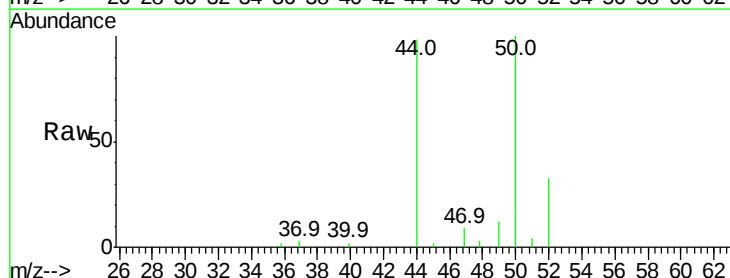
Acq: 08 Jan 2019 13:31

Tgt Ion: 50 Resp: 10760

Ion Ratio Lower Upper

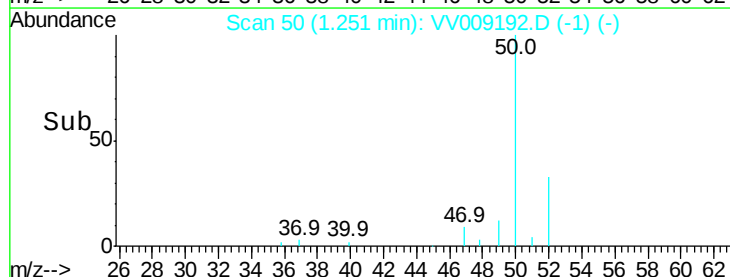
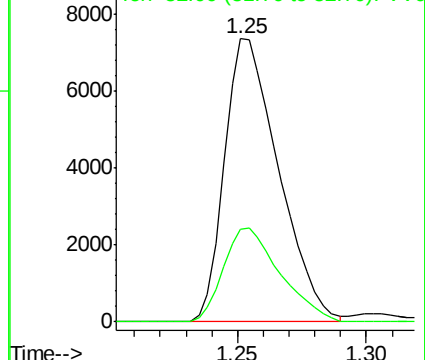
50 100

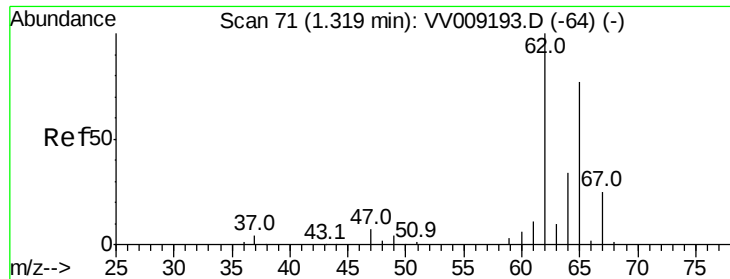
52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 4.457 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

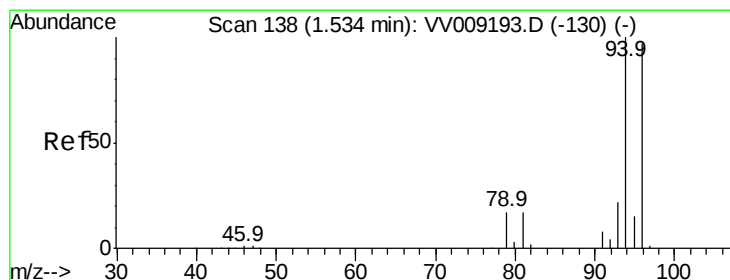
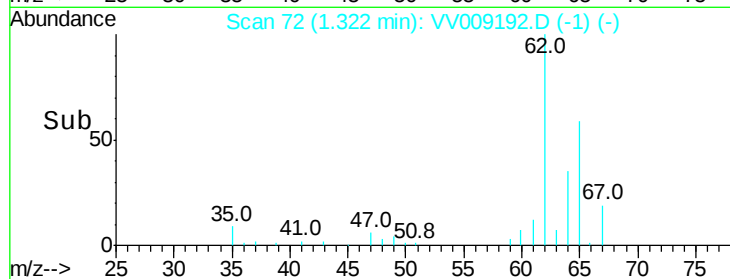
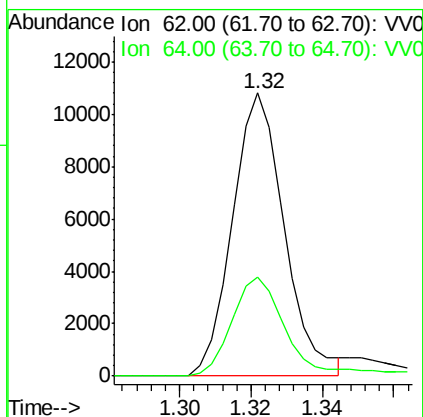
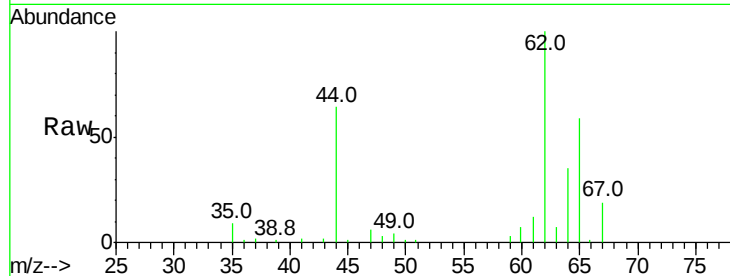
VSTD00578

Tgt Ion: 62 Resp: 10853

Ion Ratio Lower Upper

62 100

64 35.1 24.1 44.7



#6

Bromomethane

Concen: 4.867 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV009192.D

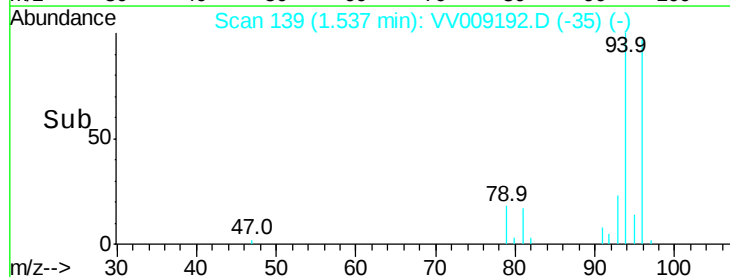
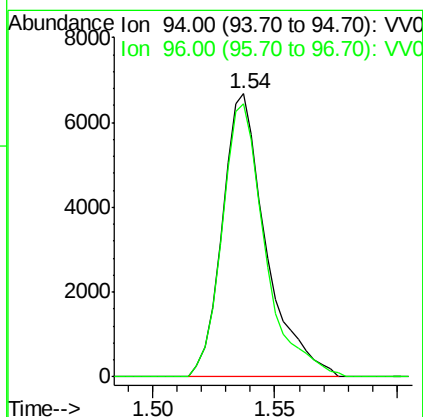
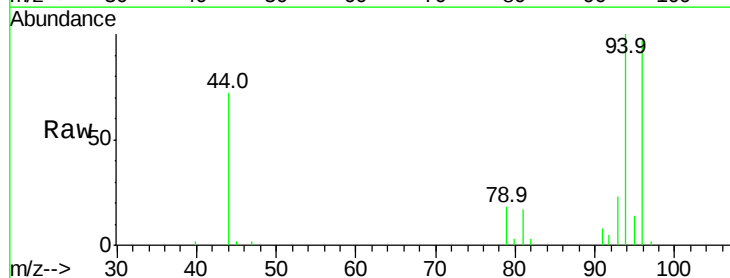
Acq: 08 Jan 2019 13:31

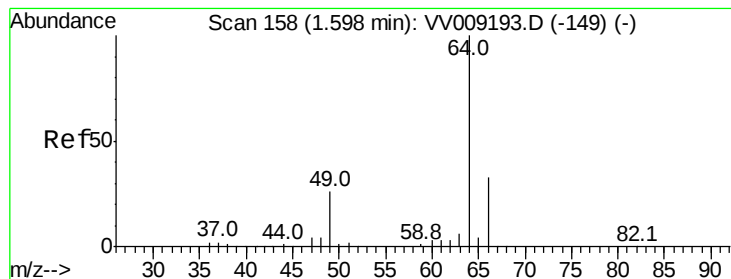
Tgt Ion: 94 Resp: 8348

Ion Ratio Lower Upper

94 100

96 95.1 9.6 183.3





#8

Chloroethane

Concen: 4.942 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

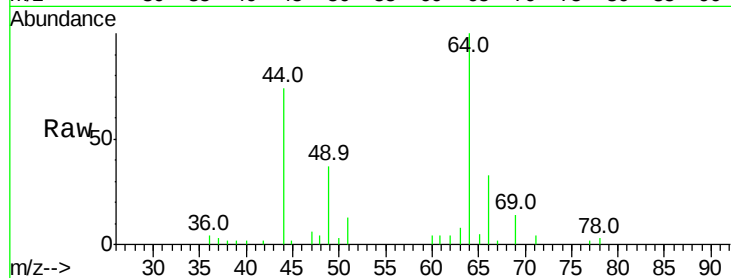
VSTD00578

Tgt Ion: 64 Resp: 7417

Ion Ratio Lower Upper

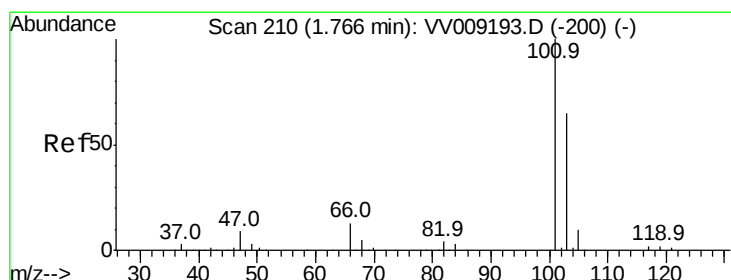
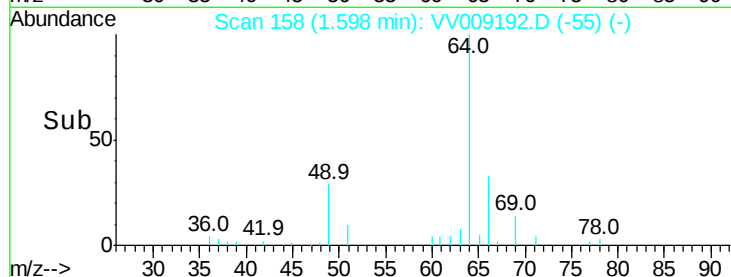
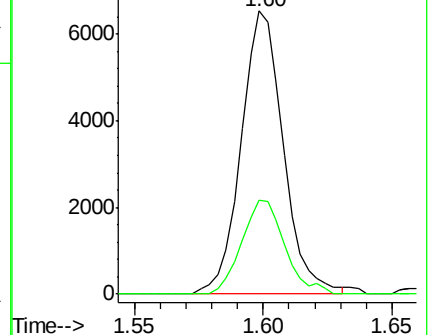
64 100

66 33.0 22.7 42.3



Abundance Ion 64.00 (63.70 to 64.70): VV009193.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV009193.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 4.556 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV009192.D

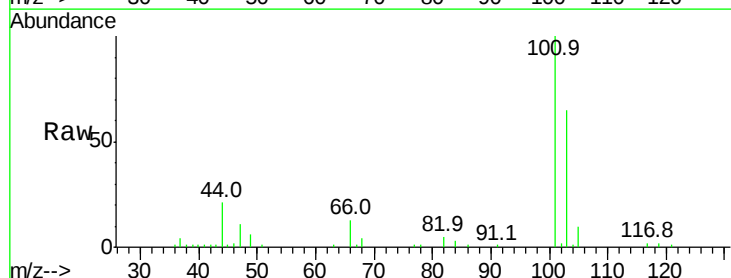
Acq: 08 Jan 2019 13:31

Tgt Ion: 101 Resp: 20343

Ion Ratio Lower Upper

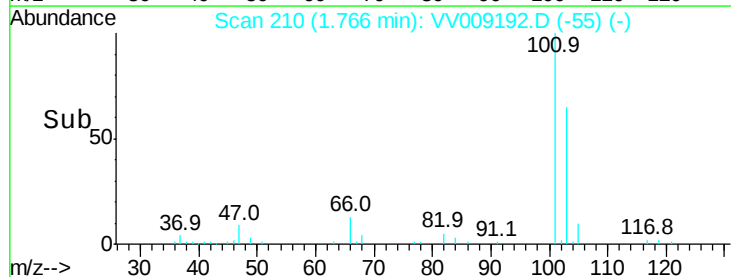
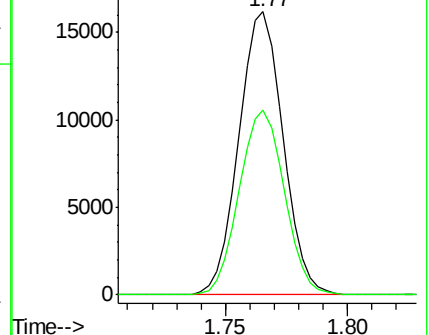
101 100

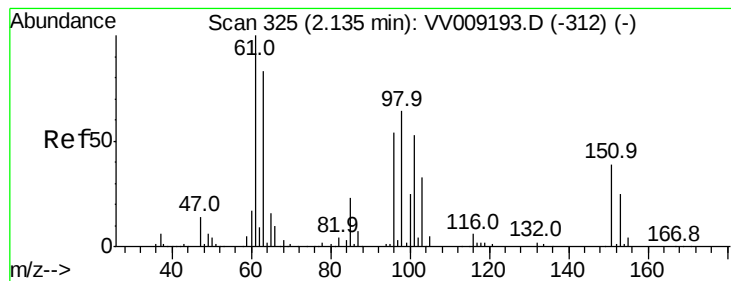
103 66.6 45.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): VV009193.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV009193.D (-200) (-)





#11

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

Concen: 4.594 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

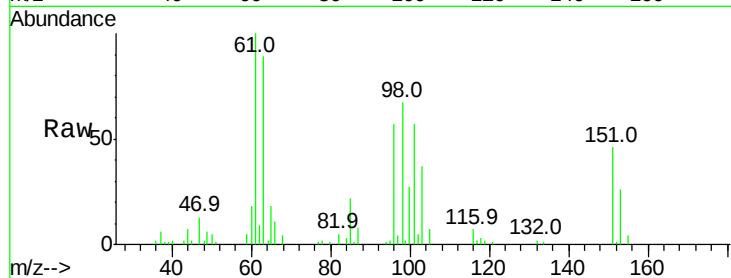
Tgt Ion: 101 Resp: 13661

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

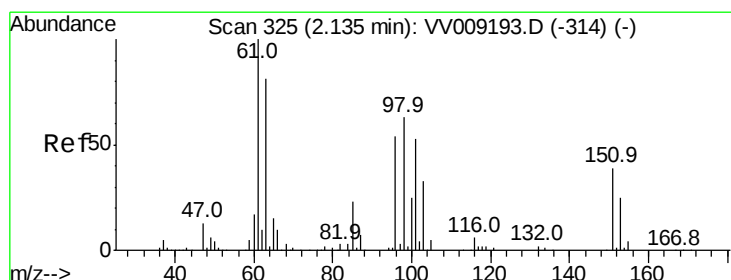
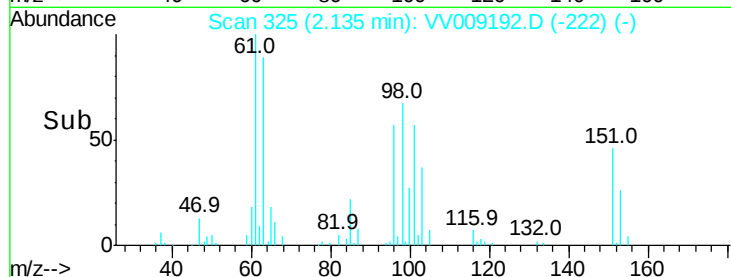
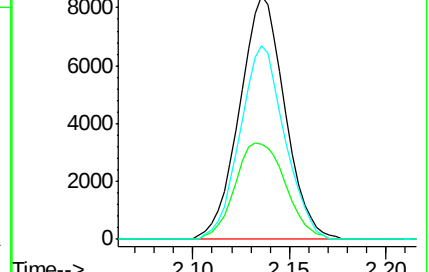
151 78.5 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): VV009193.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009193.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009193.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 4.605 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

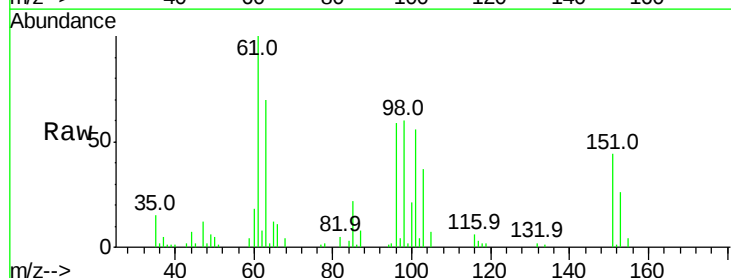
Tgt Ion: 96 Resp: 11875

Ion Ratio Lower Upper

96 100

61 168.7 130.3 241.9

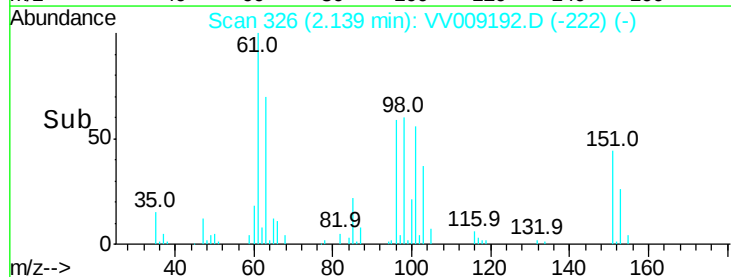
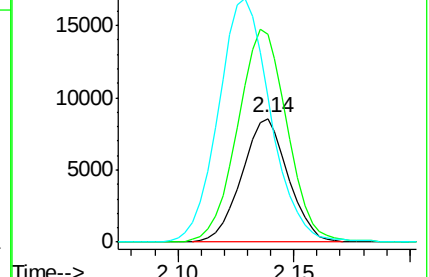
63 117.5 107.8 200.2

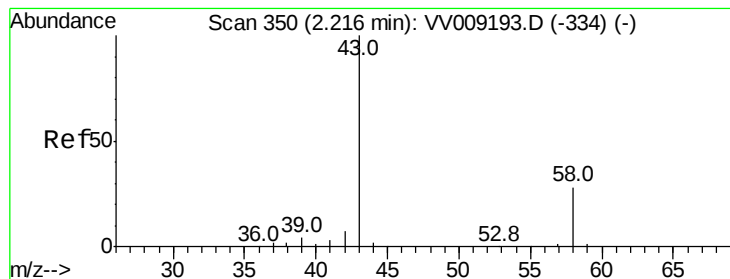


Abundance Ion 96.00 (95.70 to 96.70): VV009192.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009192.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009192.D (-222) (-)





#13

Acetone

Concen: 8.961 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.01 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

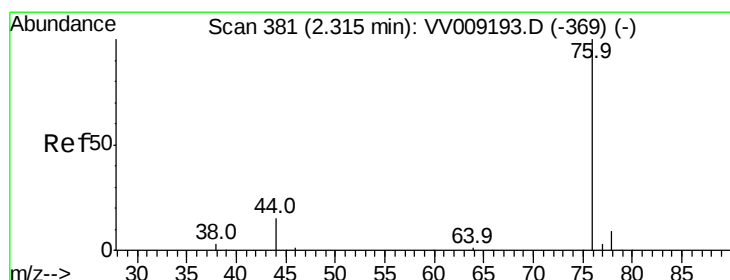
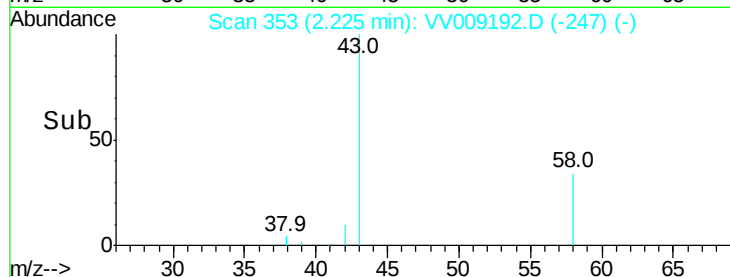
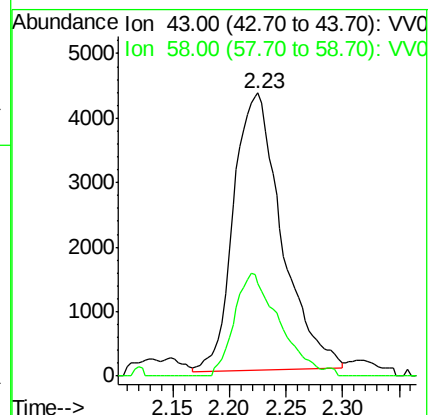
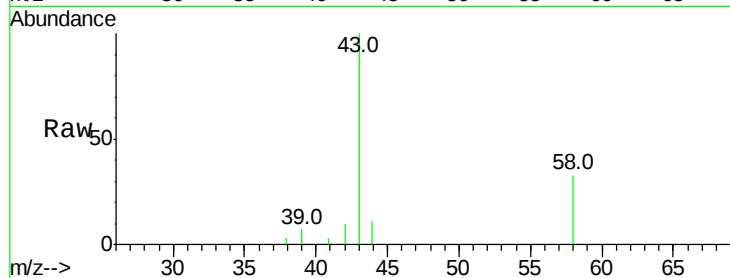
VSTD00578

Tgt Ion: 43 Resp: 12766

Ion Ratio Lower Upper

43 100

58 34.4 0.0 57.8



#14

Carbon disulfide

Concen: 4.802 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009192.D

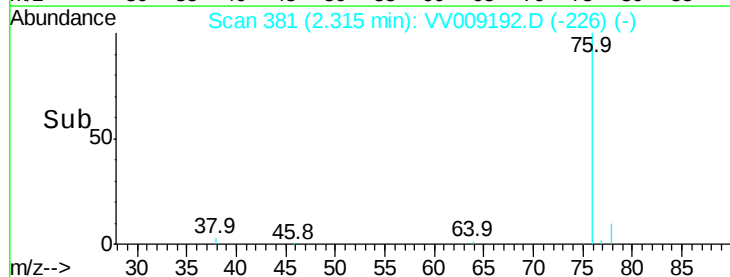
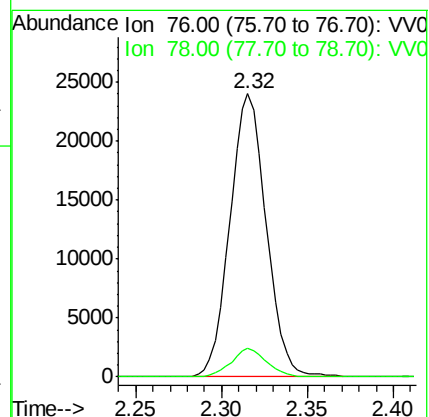
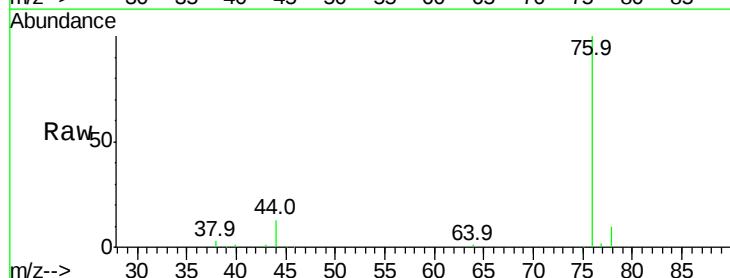
Acq: 08 Jan 2019 13:31

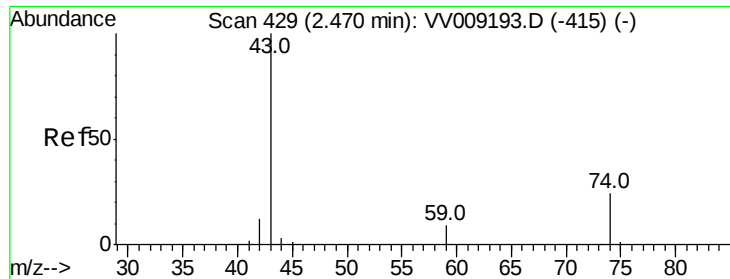
Tgt Ion: 76 Resp: 35385

Ion Ratio Lower Upper

76 100

78 10.0 7.5 11.3





#15

Methyl Acetate

Concen: 4.580 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

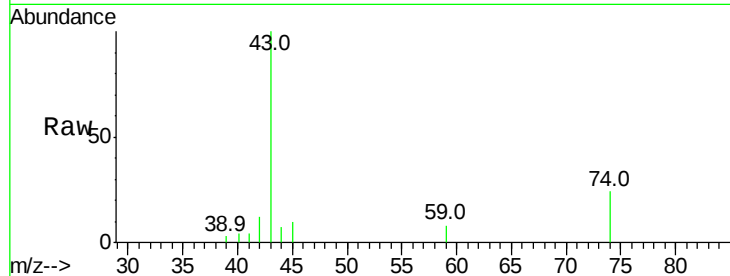
VSTD00578

Tgt Ion: 43 Resp: 8073

Ion Ratio Lower Upper

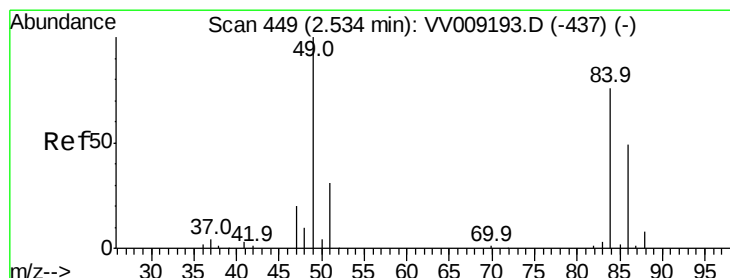
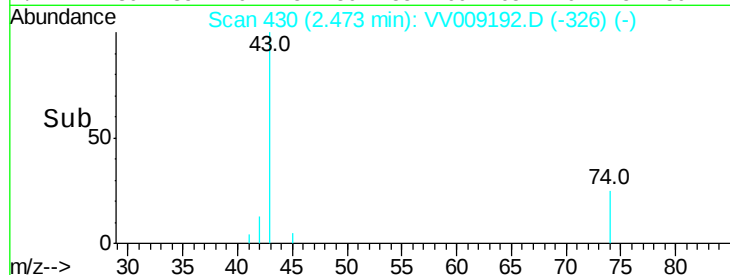
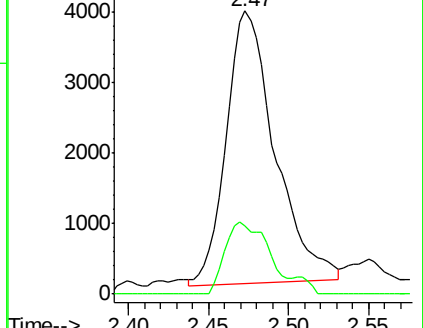
43 100

74 13.7 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VV009193.D (-415) (-)

Ion 74.00 (73.70 to 74.70): VV009193.D (-415) (-)



#16

Methylene chloride

Concen: 4.824 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

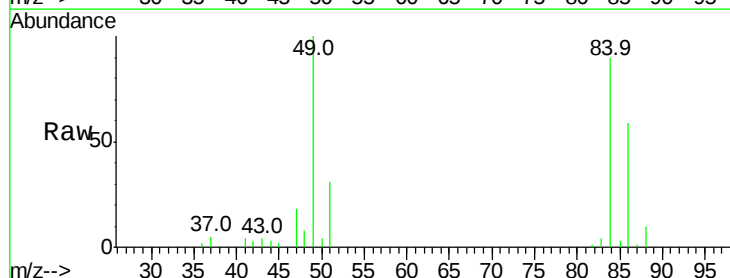
Tgt Ion: 84 Resp: 15055

Ion Ratio Lower Upper

84 100

49 110.7 92.0 170.9

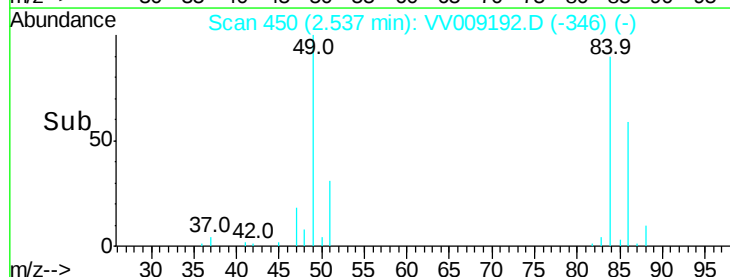
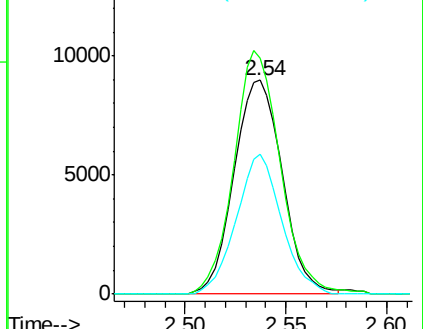
86 65.5 44.9 83.3

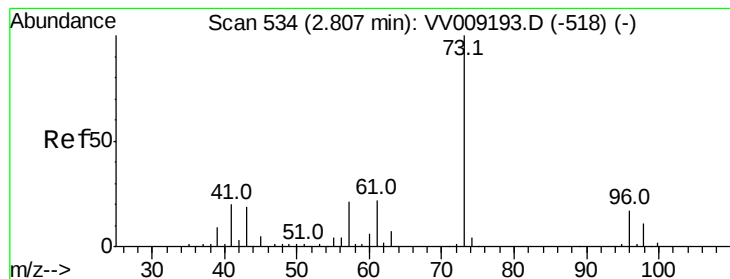


Abundance Ion 84.00 (83.70 to 84.70): VV009193.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV009193.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV009193.D (-437) (-)





#17

Methyl tert-butyl Ether

Concen: 4.667 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

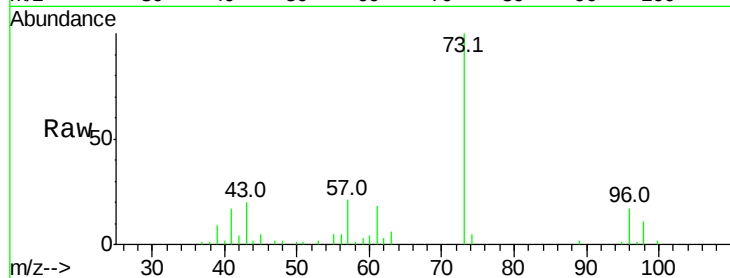
Tgt Ion: 73 Resp: 29480

Ion Ratio Lower Upper

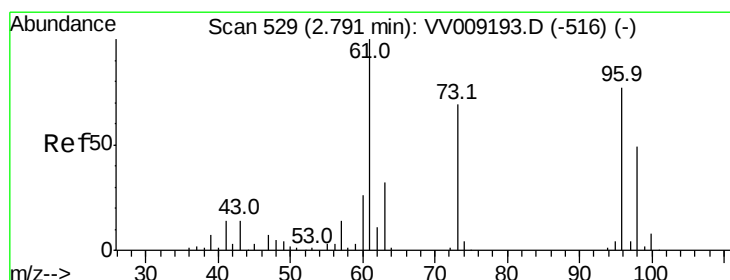
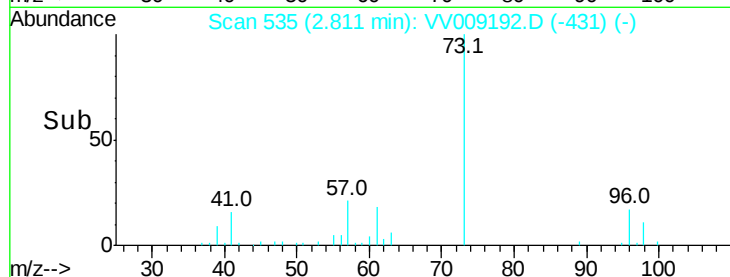
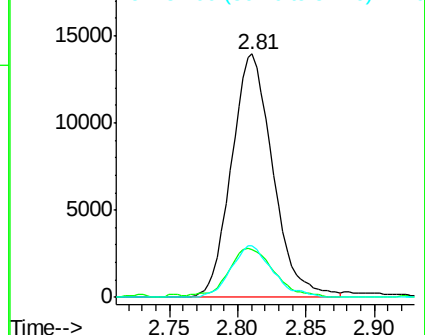
73 100

43 22.3 15.4 23.0

57 20.7 16.4 24.6



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: 4.918 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

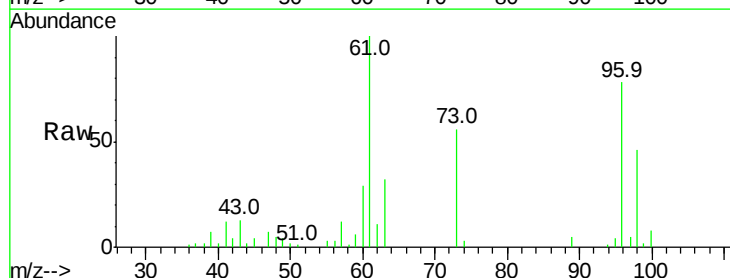
Tgt Ion: 96 Resp: 13441

Ion Ratio Lower Upper

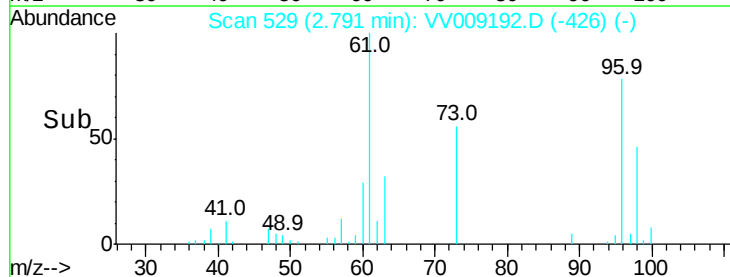
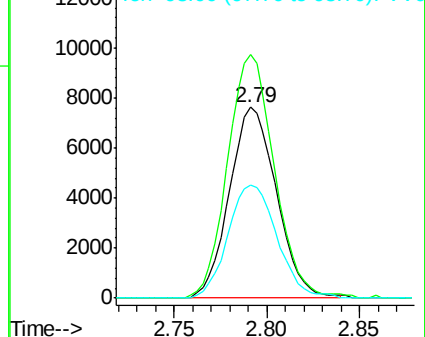
96 100

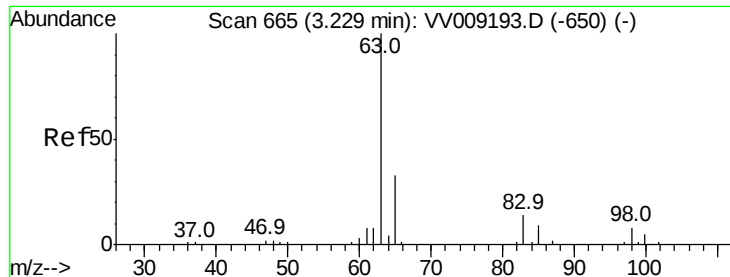
61 127.5 91.3 169.5

98 58.9 44.6 82.8



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

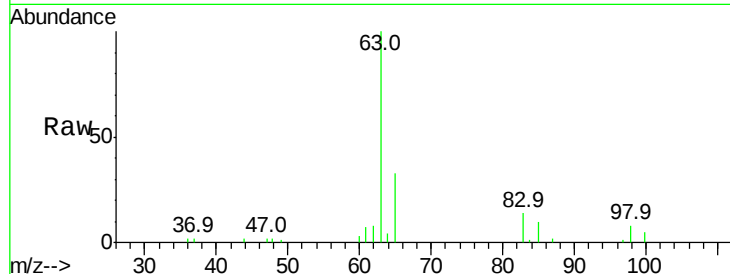




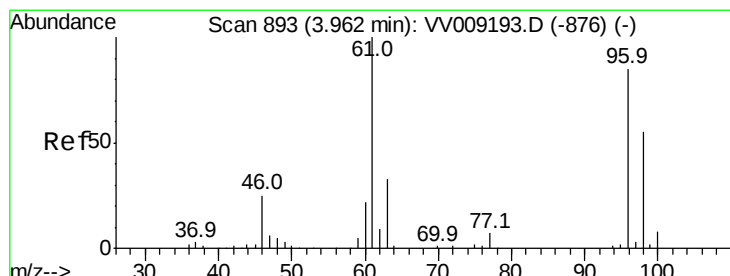
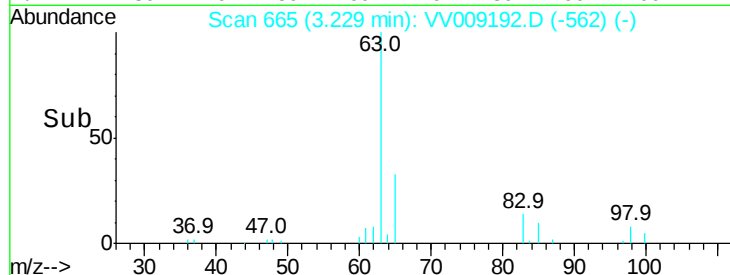
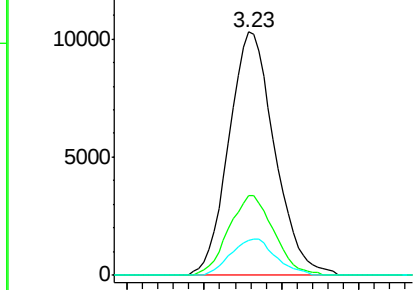
#19
 1,1-Dichloroethane
 Concen: 4.653 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009192.D
 Acq: 08 Jan 2019 13:31

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00578

Tgt Ion: 63 Resp: 21114
 Ion Ratio Lower Upper
 63 100
 65 32.7 23.0 42.6
 83 14.3 10.1 18.9

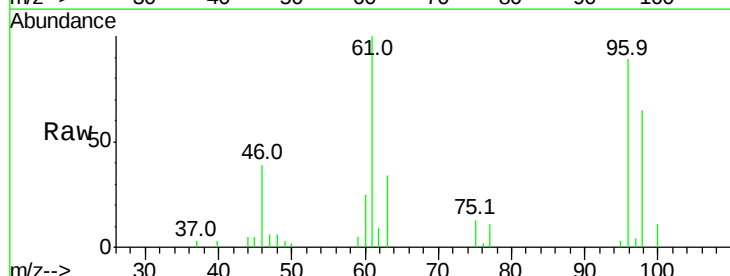


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

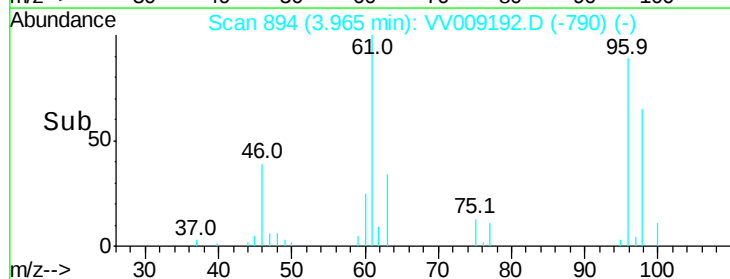
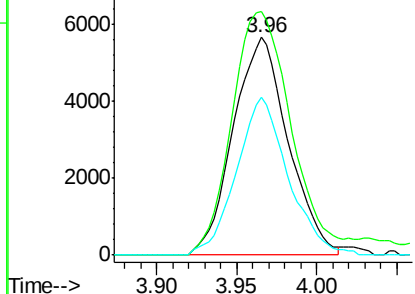


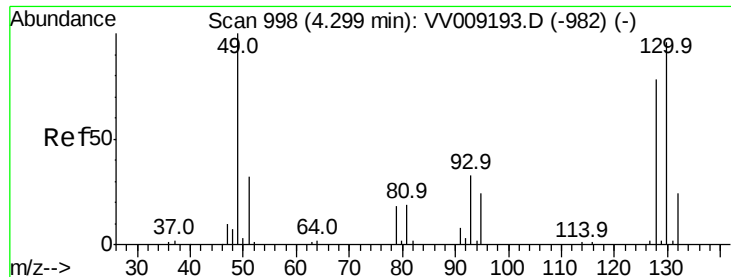
#22
 cis-1,2-Dichloroethene
 Concen: 4.571 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV009192.D
 Acq: 08 Jan 2019 13:31

Tgt Ion: 96 Resp: 13354
 Ion Ratio Lower Upper
 96 100
 61 112.0 82.2 152.6
 98 72.8 45.1 83.9



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

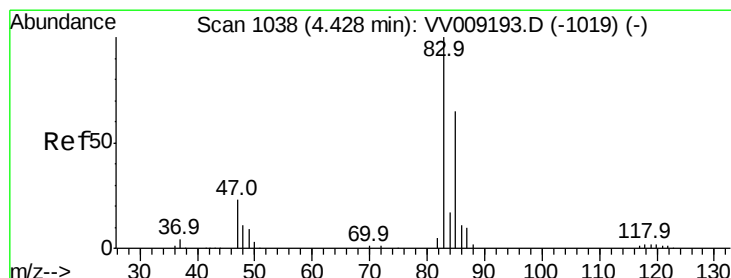
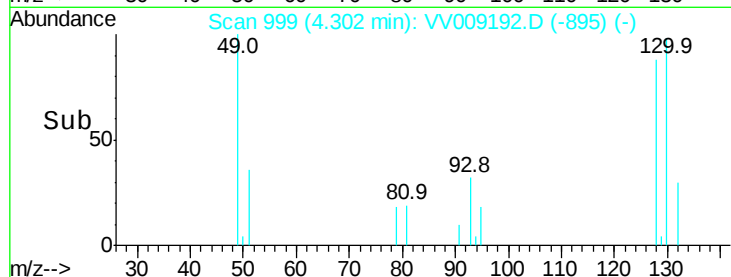
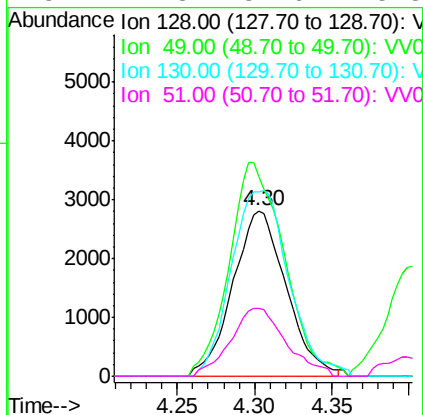
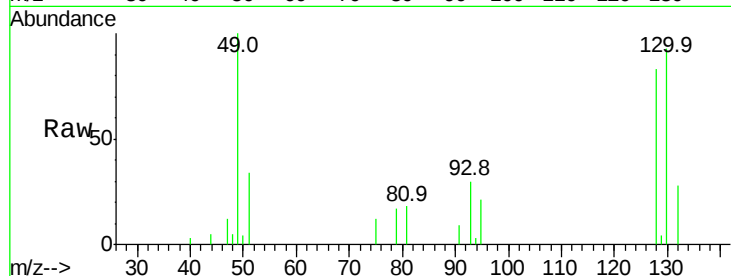




#23
Bromochloromethane
Concen: 4.905 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV009192.D
Acq: 08 Jan 2019 13:31

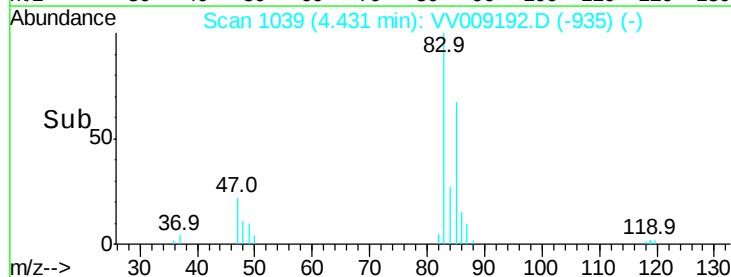
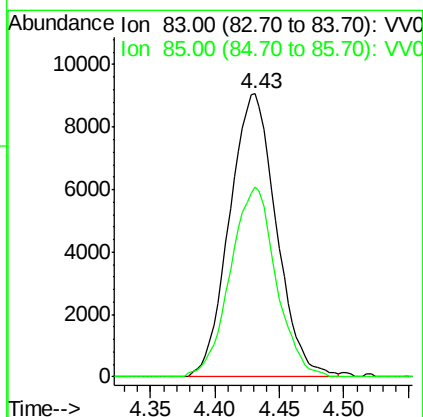
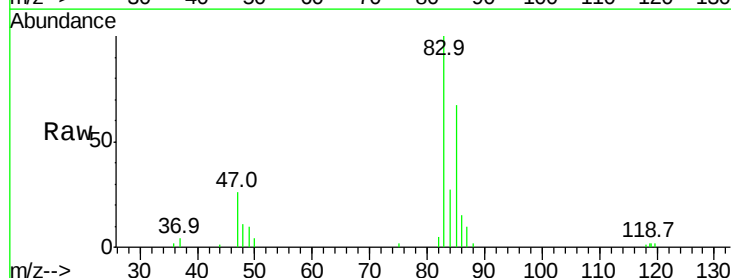
Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

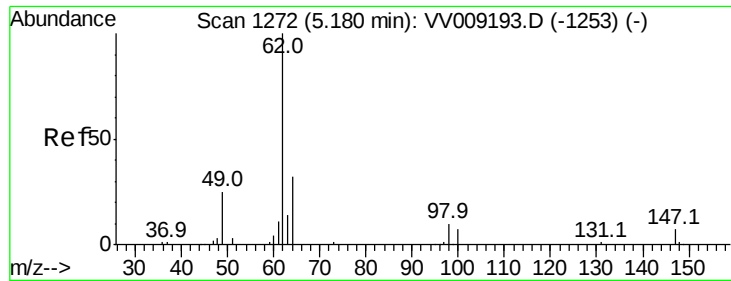
Tgt Ion:128 Resp: 6742
Ion Ratio Lower Upper
128 100
49 120.5 89.2 165.6
130 111.5 85.9 159.5
51 41.3 32.6 48.8



#25
Chloroform
Concen: 4.740 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV009192.D
Acq: 08 Jan 2019 13:31

Tgt Ion: 83 Resp: 22906
Ion Ratio Lower Upper
83 100
85 65.5 46.2 85.8





#27

1,2-Dichloroethane

Concen: 4.785 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.00 min

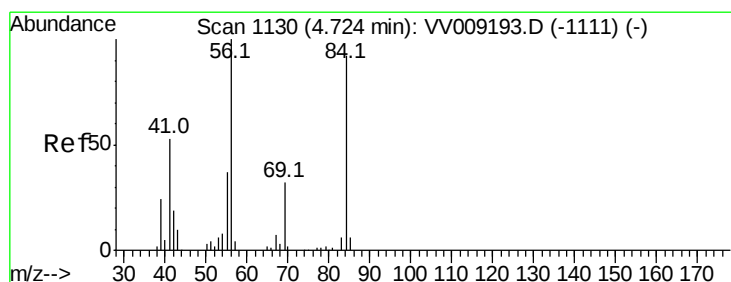
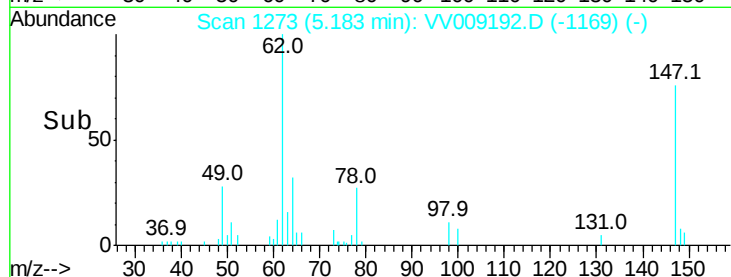
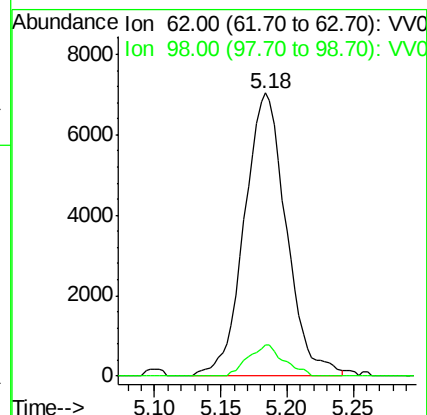
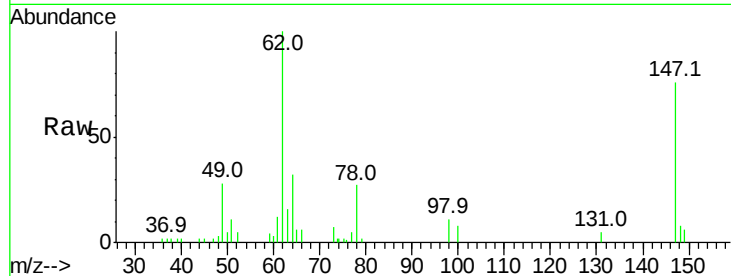
Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

Tgt Ion: 62 Resp: 15531

Ion	Ratio	Lower	Upper
62	100		
98	11.0	8.2	12.2



#30

Cyclohexane

Concen: 4.683 ug/L

RT: 4.73 min Scan# 1131

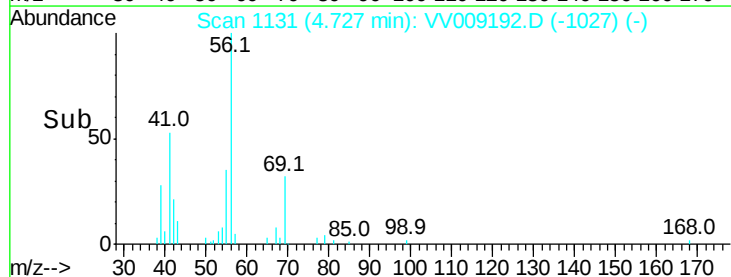
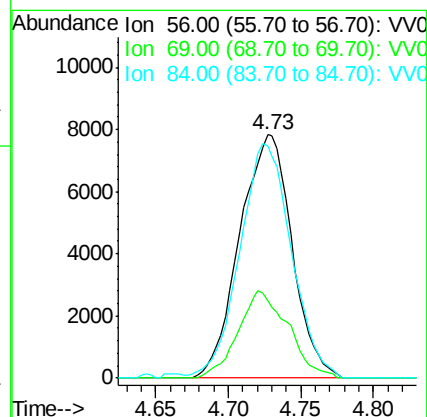
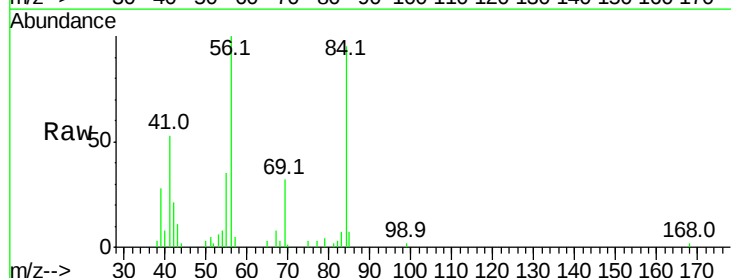
Delta R.T. 0.00 min

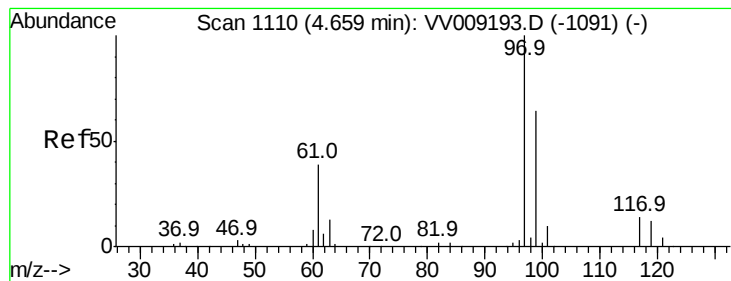
Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Tgt Ion: 56 Resp: 19612

Ion	Ratio	Lower	Upper
56	100		
69	34.3	25.9	38.9
84	95.1	75.6	113.4





#31

1,1,1-Trichloroethane

Concen: 4.697 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

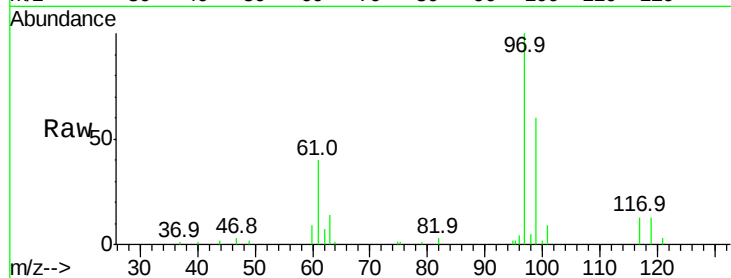
Tgt Ion: 97 Resp: 21573

Ion Ratio Lower Upper

97 100

99 62.3 51.3 76.9

61 40.7 32.1 48.1

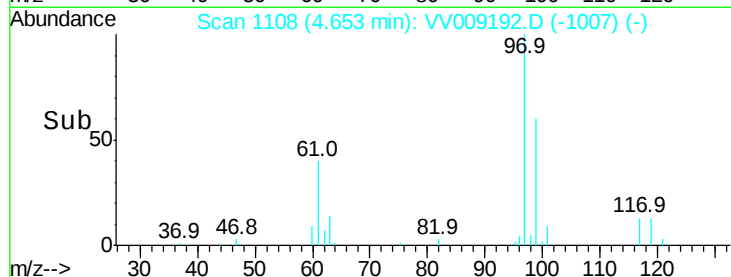


Abundance Ion 97.00 (96.70 to 97.70): VV009192.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV009192.D (-1091) (-)

Ion 61.00 (60.70 to 61.70): VV009192.D (-1091) (-)

Time-->



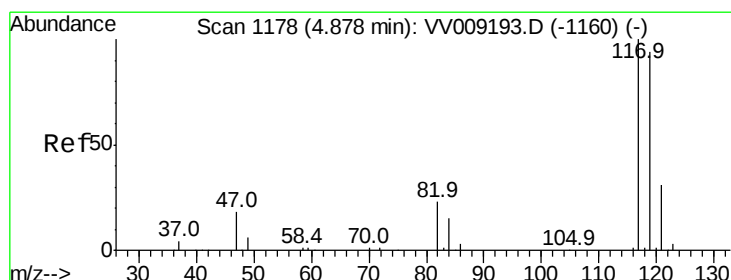
Abundance

Ion 97.00 (96.70 to 97.70): VV009192.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV009192.D (-1091) (-)

Ion 61.00 (60.70 to 61.70): VV009192.D (-1091) (-)

Time-->



#32

Carbon tetrachloride

Concen: 4.590 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009192.D

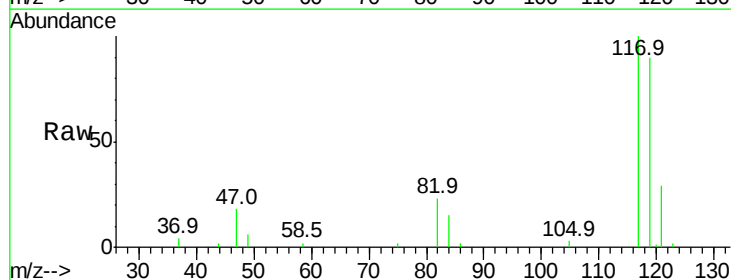
Acq: 08 Jan 2019 13:31

Tgt Ion: 117 Resp: 19297

Ion Ratio Lower Upper

117 100

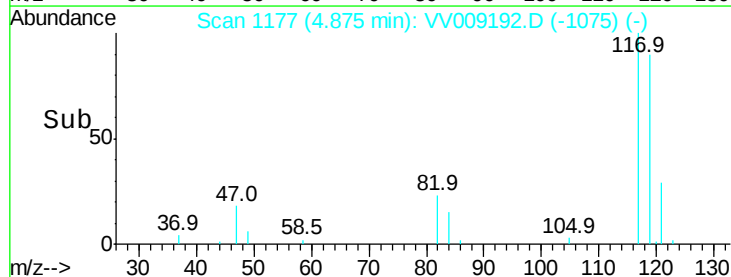
119 96.1 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): VV009192.D (-1075) (-)

Ion 119.00 (118.70 to 119.70): VV009192.D (-1075) (-)

Time-->

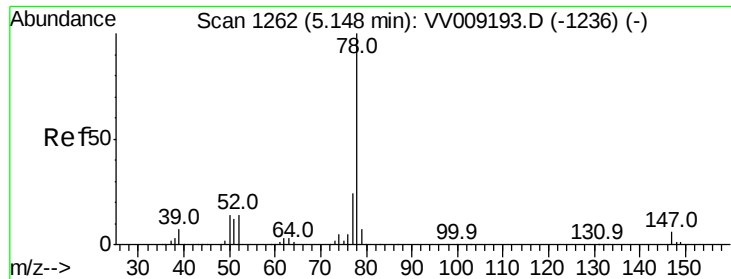


Abundance

Ion 117.00 (116.70 to 117.70): VV009192.D (-1075) (-)

Ion 119.00 (118.70 to 119.70): VV009192.D (-1075) (-)

Time-->



#34

Benzene

Concen: 4.836 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

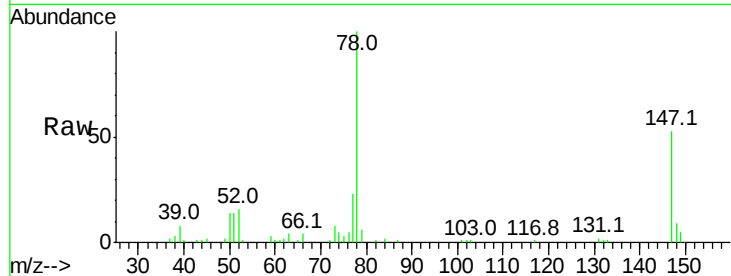
Instrument :

MSVOA_V

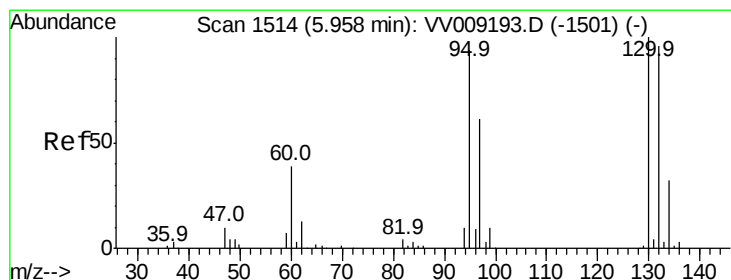
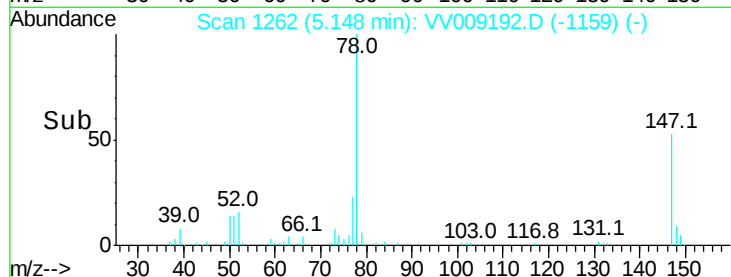
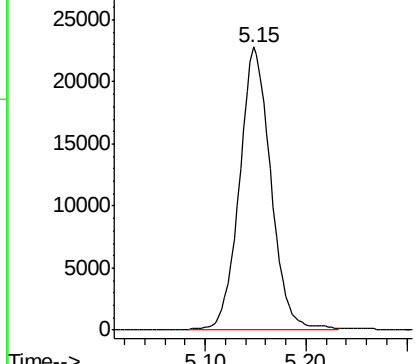
ClientSampleId :

VSTD00578

Tgt Ion: 78 Resp: 49115



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 4.865 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Tgt Ion: 95 Resp: 14233

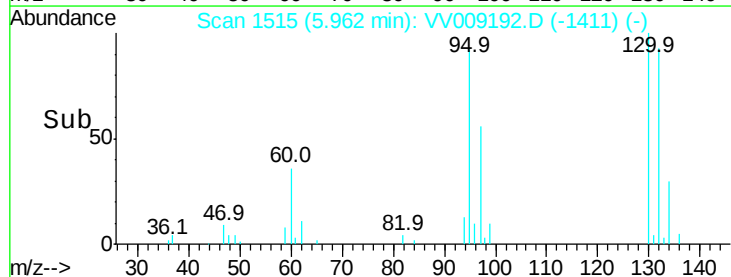
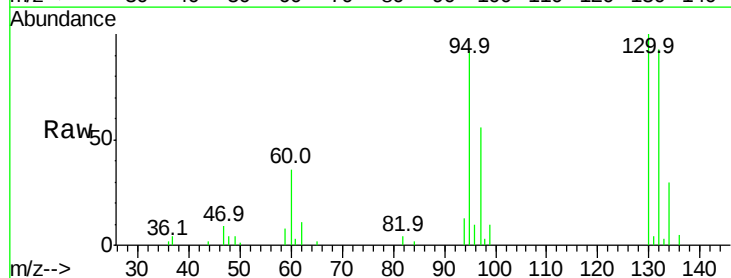
Ion	Ratio	Lower	Upper
95	100		
97	62.2	44.7	82.9
132	101.2	71.2	132.2
130	105.8	74.4	138.2

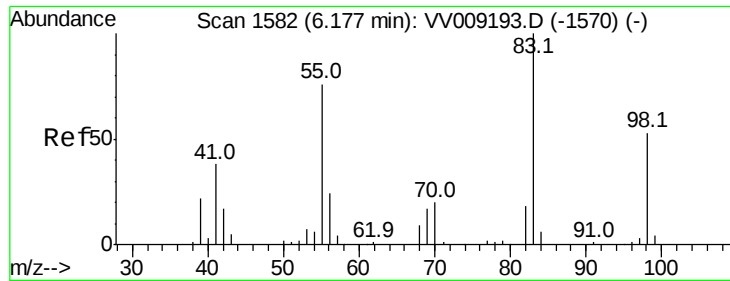
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

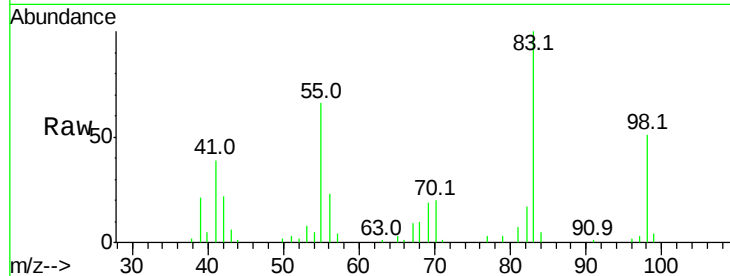




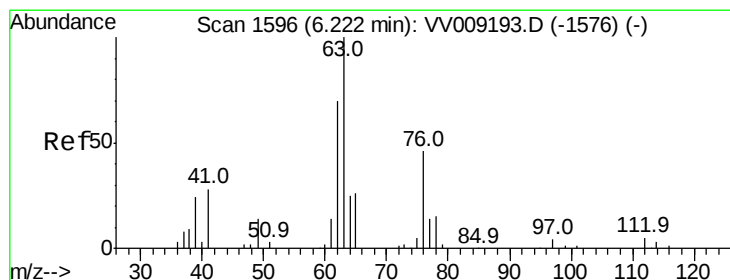
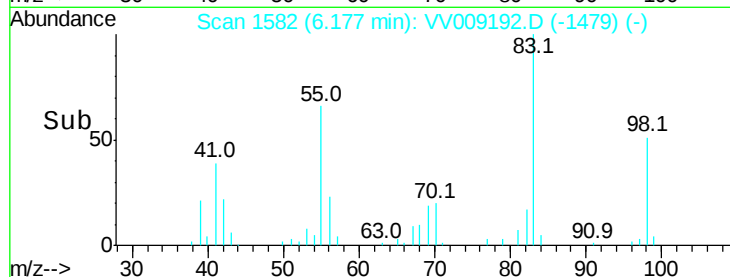
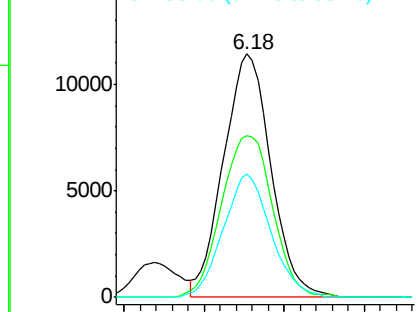
#36
Methylcyclohexane
Concen: 4.747 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV009192.D
Acq: 08 Jan 2019 13:31

Instrument :
MSVOA_V
ClientSampled :
VSTD00578

Tgt Ion: 83 Resp: 23203
Ion Ratio Lower Upper
83 100
55 71.8 57.6 86.4
98 50.7 41.0 61.6

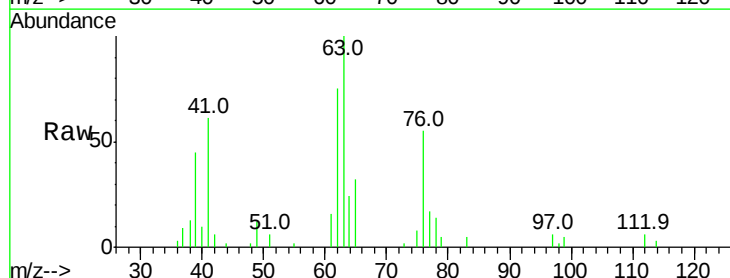


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

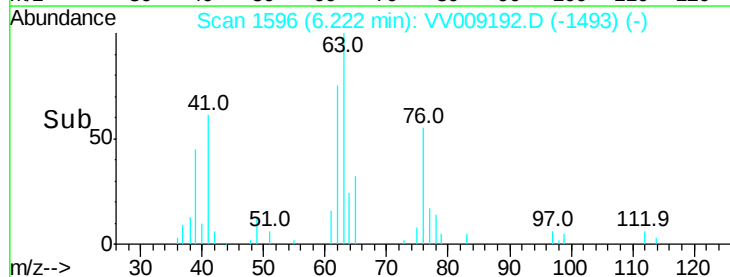
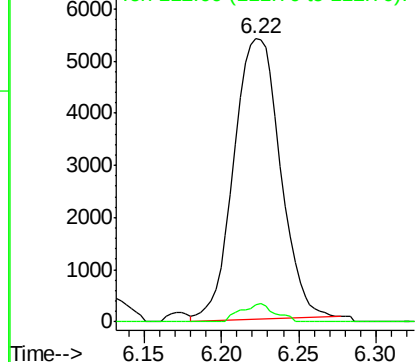


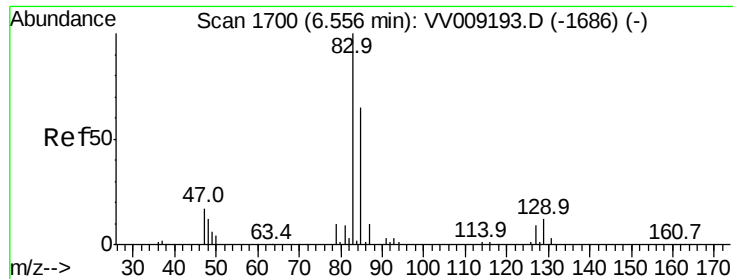
#40
1,2-Dichloropropane
Concen: 4.594 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VV009192.D
Acq: 08 Jan 2019 13:31

Tgt Ion: 63 Resp: 11245
Ion Ratio Lower Upper
63 100
112 4.7 4.1 6.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 4.668 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

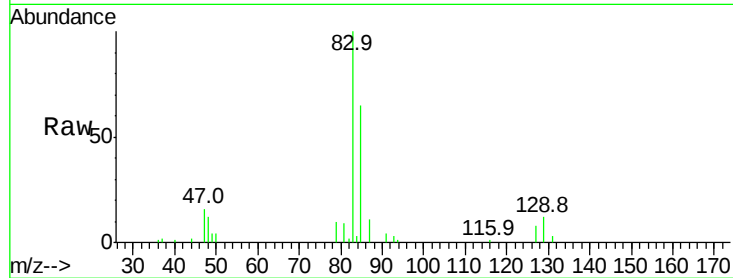
Tgt Ion: 83 Resp: 15661

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.4

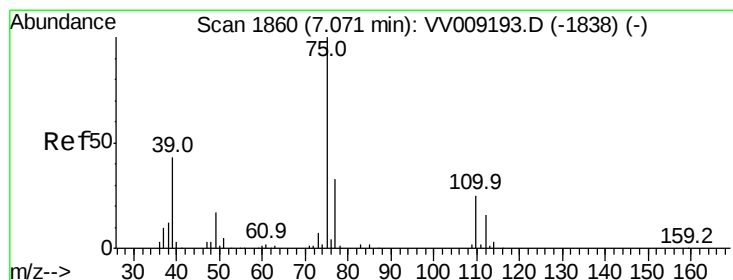
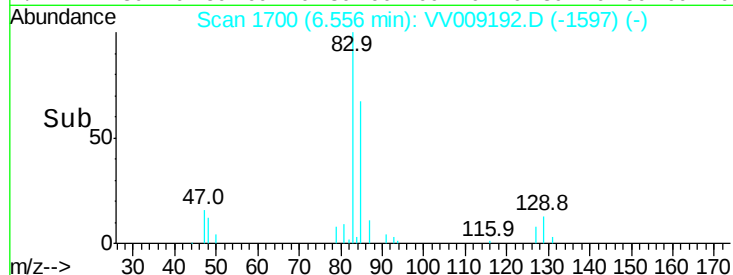
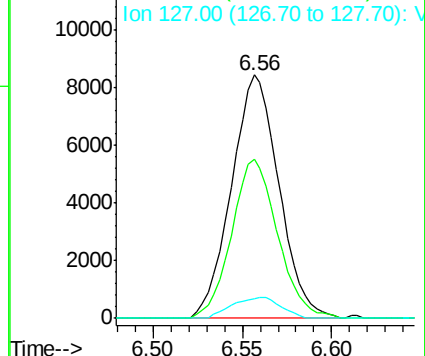
127 8.2 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VV009192.D (-1597) (-)

Ion 85.00 (84.70 to 85.70): VV009192.D (-1597) (-)

Ion 127.00 (126.70 to 127.70): VV009192.D (-1597) (-)



#42

cis-1,3-Dichloropropene

Concen: 4.289 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VV009192.D

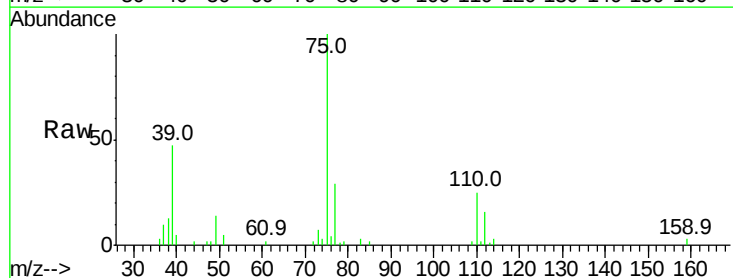
Acq: 08 Jan 2019 13:31

Tgt Ion: 75 Resp: 16637

Ion Ratio Lower Upper

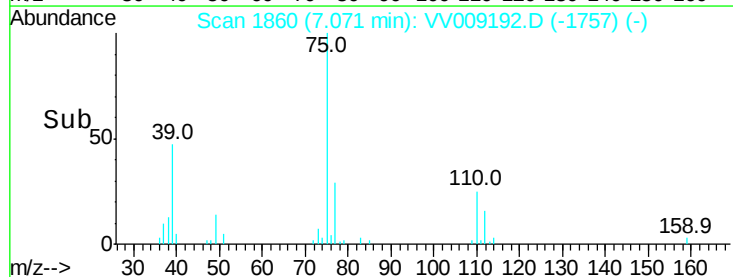
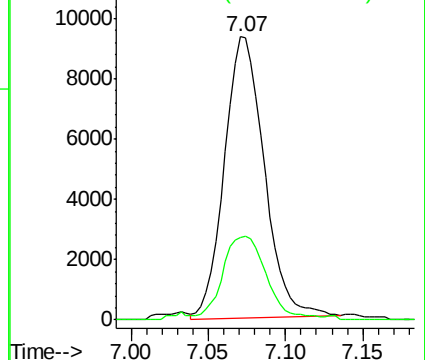
75 100

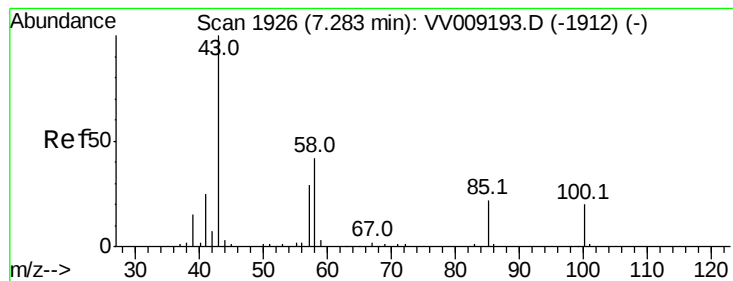
77 29.2 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VV009192.D (-1757) (-)

Ion 77.00 (76.70 to 77.70): VV009192.D (-1757) (-)





#43

4-Methyl-2-pentanone

Concen: 9.346 ug/L

RT: 7.29 min Scan# 1928

Delta R.T. 0.01 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

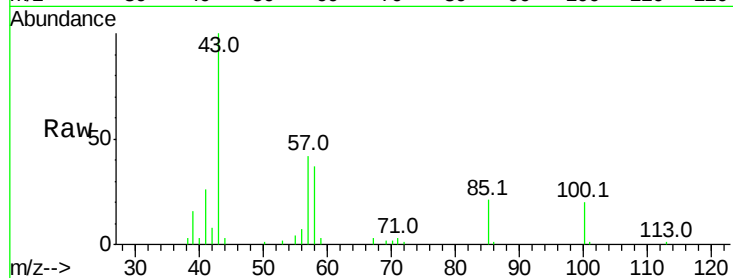
Tgt Ion: 43 Resp: 21805

Ion Ratio Lower Upper

43 100

58 40.1 32.8 49.2

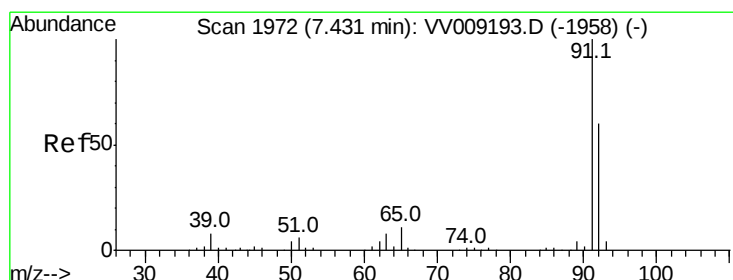
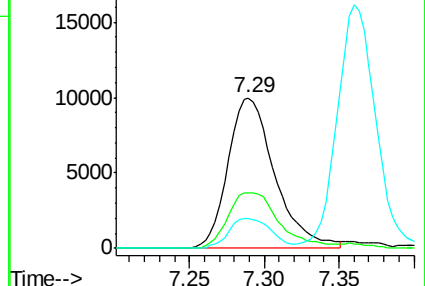
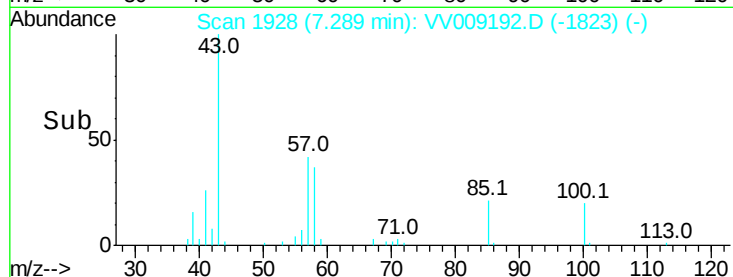
100 17.9 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): VV009192.D (-1823) (-)

Ion 58.00 (57.70 to 58.70): VV009192.D (-1823) (-)

Ion 100.00 (99.70 to 100.70): VV009192.D (-1823) (-)



#44

Toluene

Concen: 4.735 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009192.D

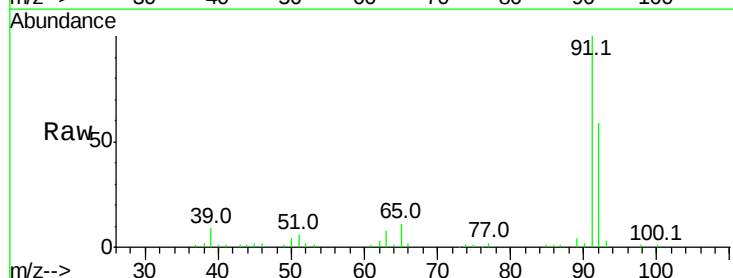
Acq: 08 Jan 2019 13:31

Tgt Ion: 91 Resp: 51840

Ion Ratio Lower Upper

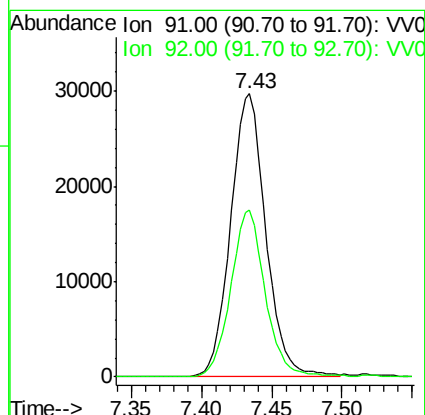
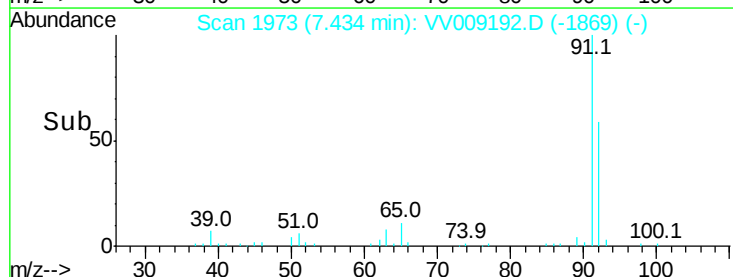
91 100

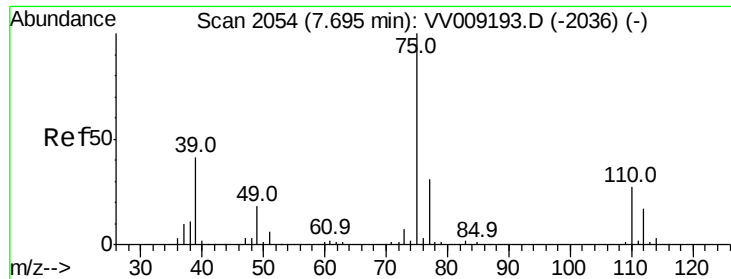
92 58.8 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VV009192.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009192.D (-1869) (-)





#45

trans-1,3-Dichloropropene

Concen: 4.277 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

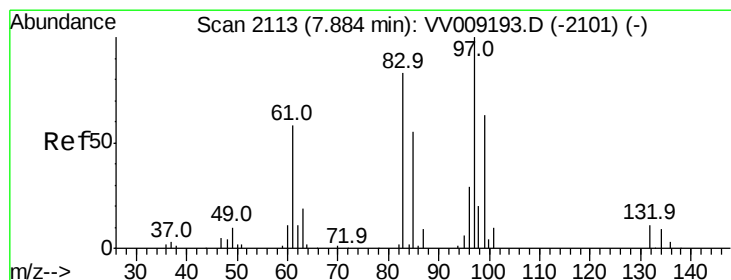
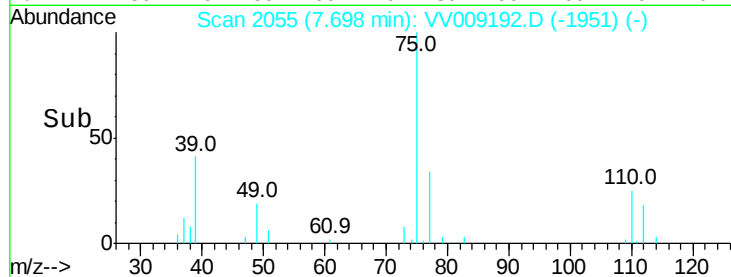
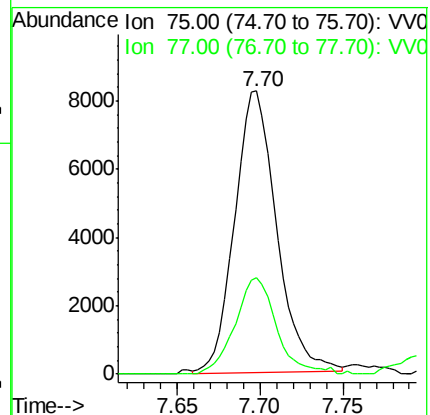
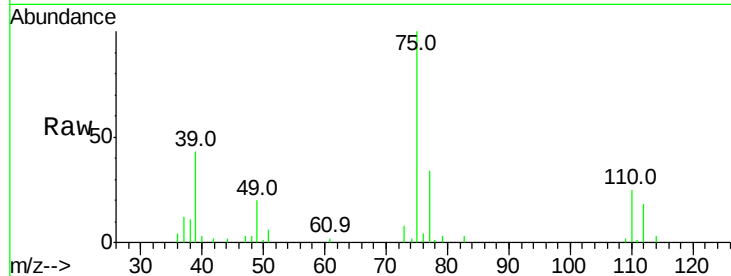
VSTD00578

Tgt Ion: 75 Resp: 14525

Ion Ratio Lower Upper

75 100

77 34.0 21.5 39.9



#46

1,1,2-Trichloroethane

Concen: 4.924 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Tgt Ion: 97 Resp: 10653

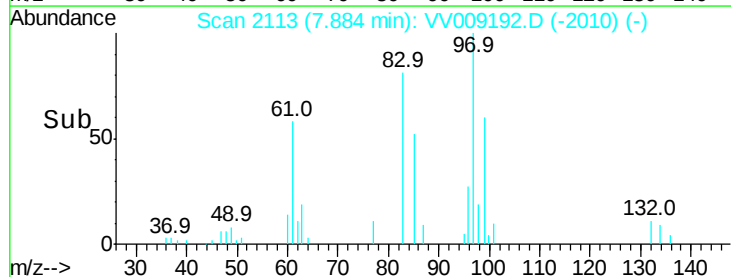
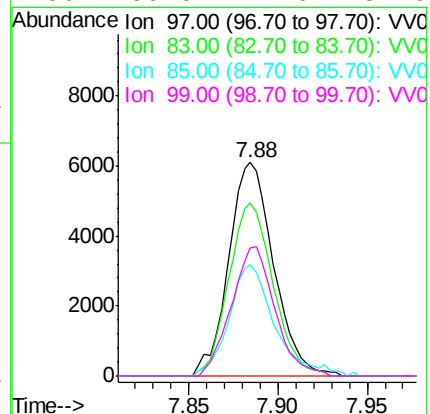
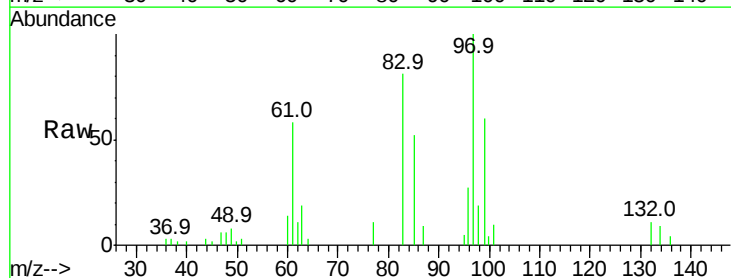
Ion Ratio Lower Upper

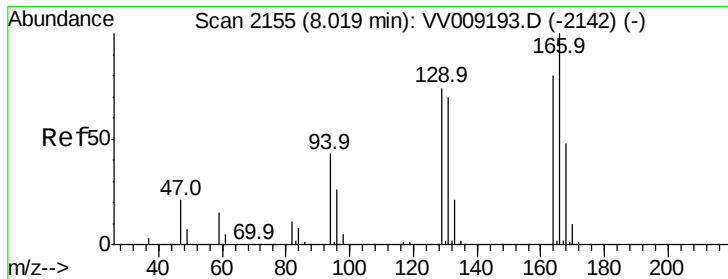
97 100

83 80.8 58.0 107.6

85 52.0 38.4 71.4

99 60.0 44.0 81.6





#47

Tetrachloroethene

Concen: 4.743 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

Tgt Ion:164 Resp: 12022

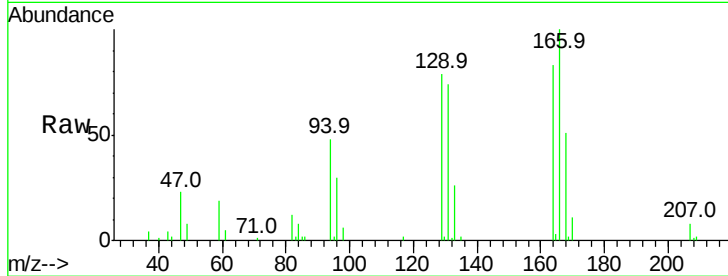
Ion Ratio Lower Upper

164 100

129 94.4 65.3 121.3

131 89.1 61.8 114.8

166 119.8 87.8 163.0

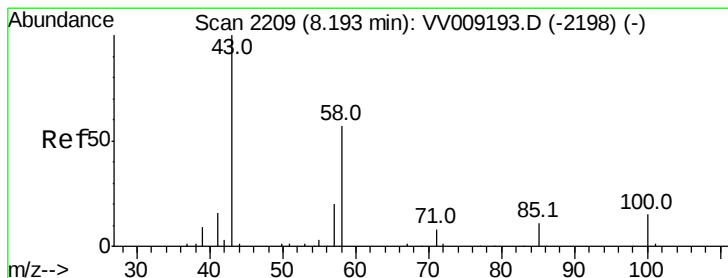
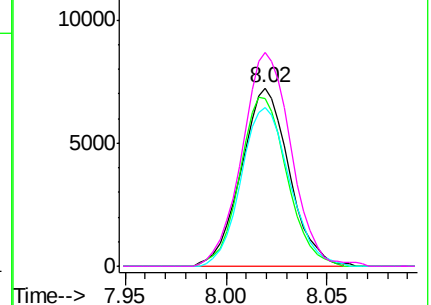
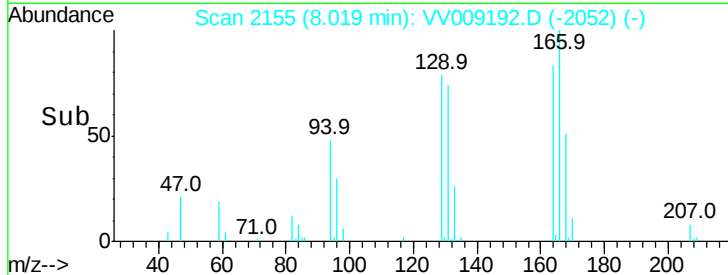


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 9.446 ug/L

RT: 8.20 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Tgt Ion: 43 Resp: 16219

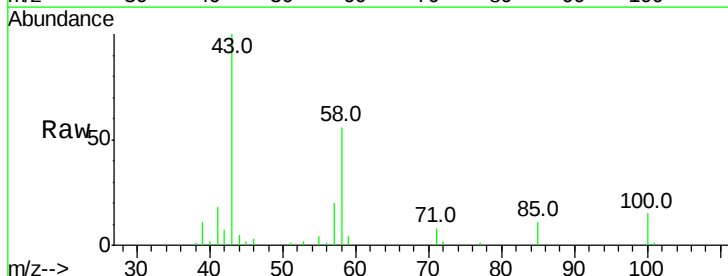
Ion Ratio Lower Upper

43 100

58 56.6 48.4 72.6

57 20.9 15.6 23.4

100 13.4 12.4 18.6

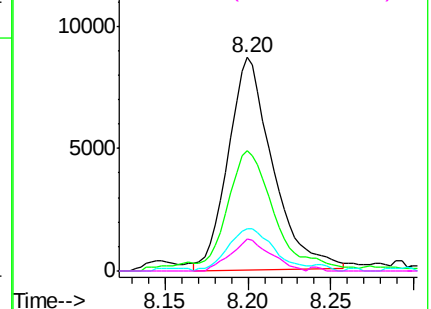
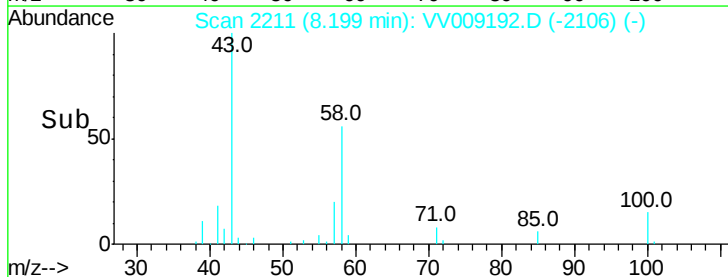


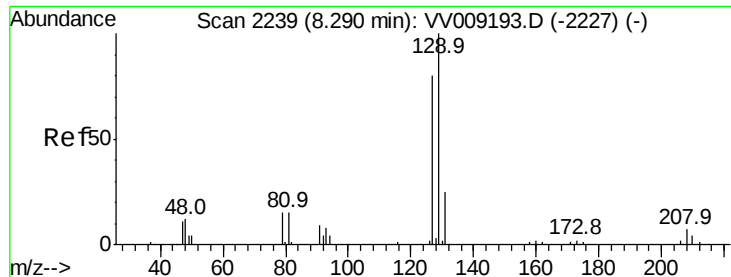
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

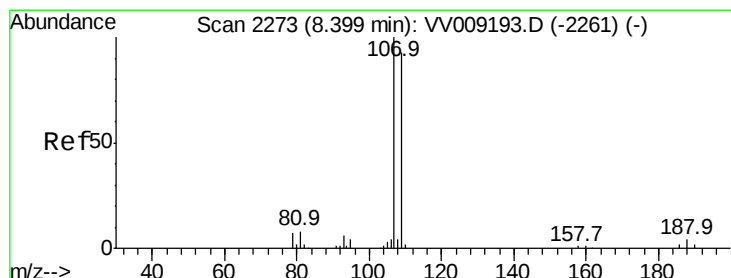
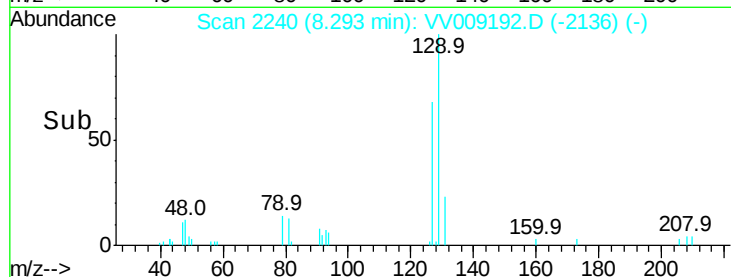
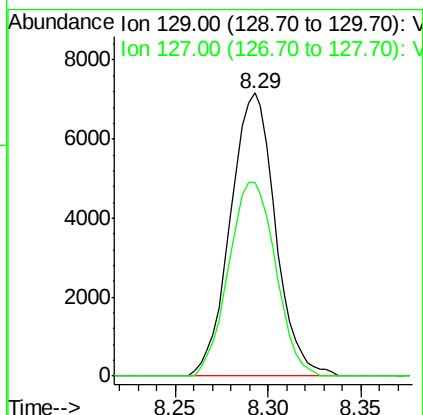
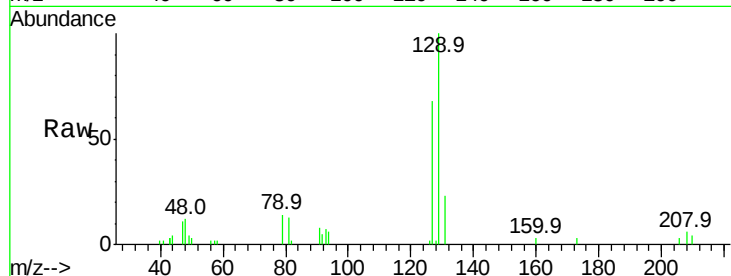




#50
 Dibromochloromethane
 Concen: 4.555 ug/L
 RT: 8.29 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VV009192.D
 Acq: 08 Jan 2019 13:31

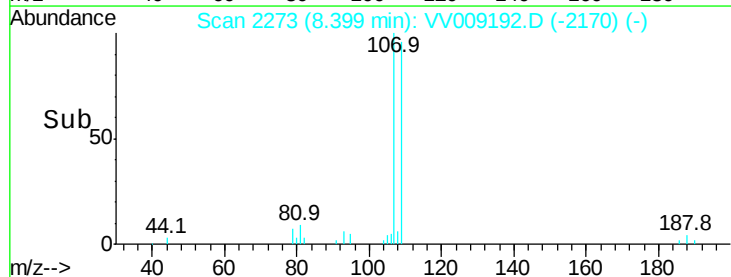
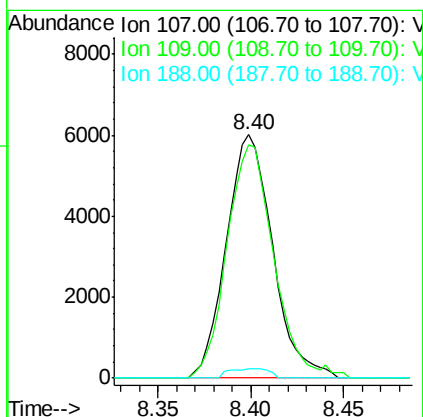
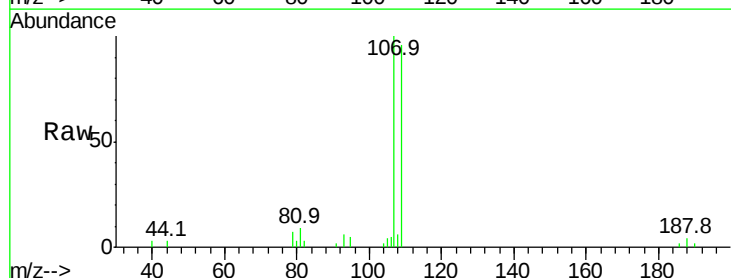
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

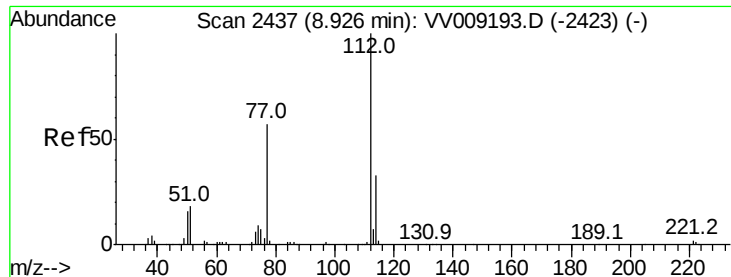
Tgt Ion:129 Resp: 12105
 Ion Ratio Lower Upper
 129 100
 127 68.5 55.9 103.9



#51
 1,2-Dibromoethane
 Concen: 4.634 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VV009192.D
 Acq: 08 Jan 2019 13:31

Tgt Ion:107 Resp: 10482
 Ion Ratio Lower Upper
 107 100
 109 95.6 65.0 120.6
 188 3.7 3.0 4.4





#52

Chlorobenzene

Concen: 4.757 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampled :

VSTD00578

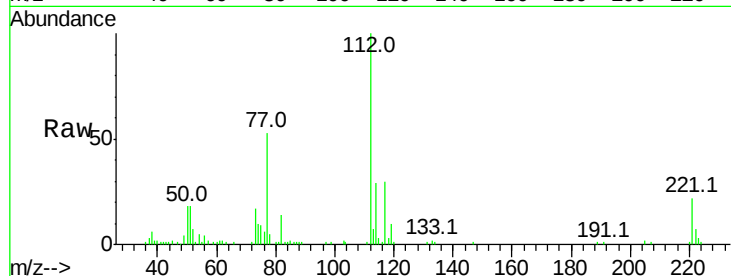
Tgt Ion: 112 Resp: 35740

Ion Ratio Lower Upper

112 100

77 53.0 45.4 68.2

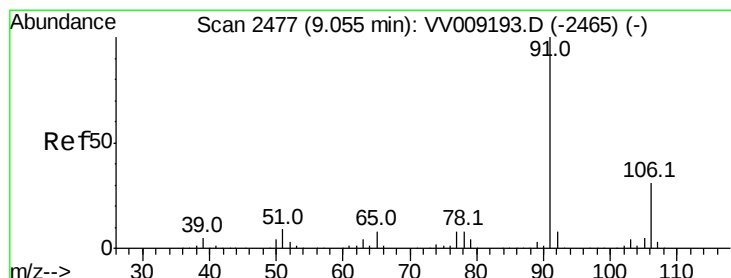
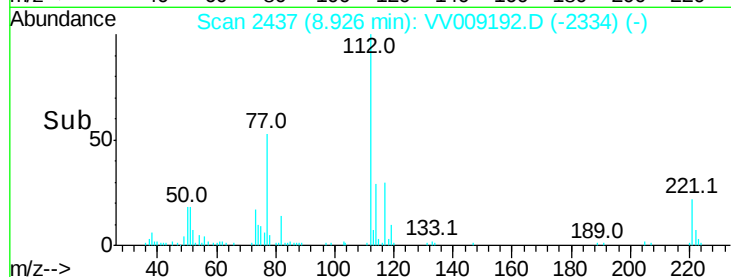
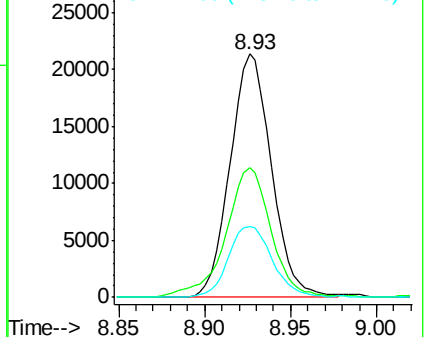
114 29.2 22.9 42.5



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: 4.573 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009192.D

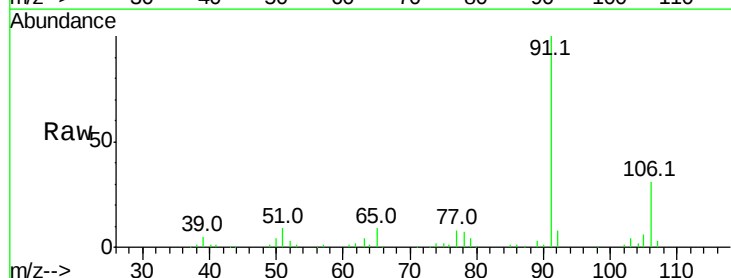
Acq: 08 Jan 2019 13:31

Tgt Ion: 91 Resp: 56618

Ion Ratio Lower Upper

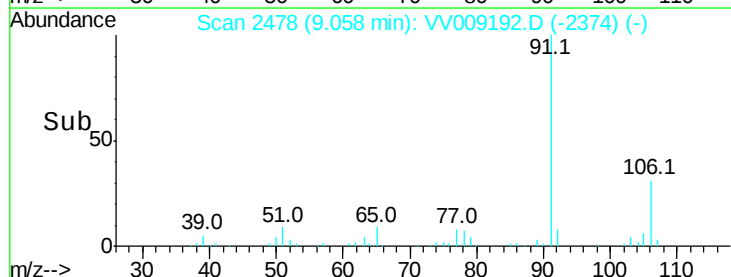
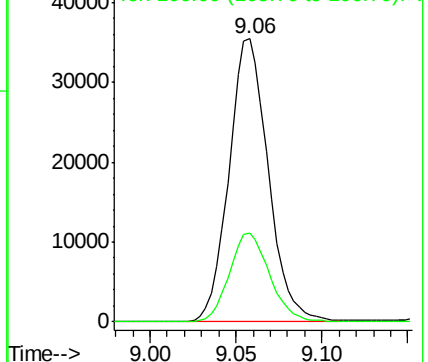
91 100

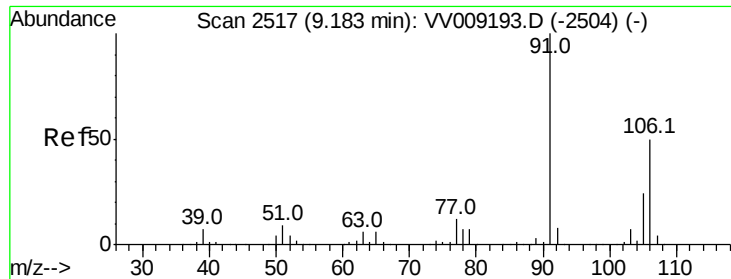
106 31.4 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 4.486 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

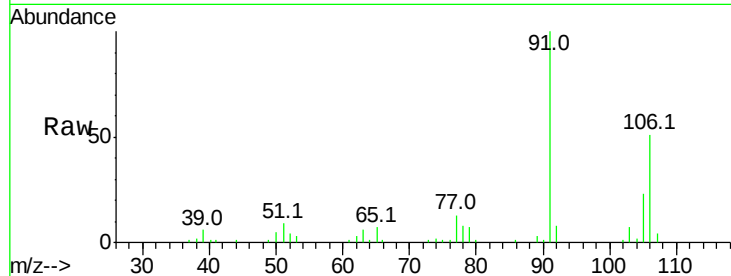
VSTD00578

Tgt Ion:106 Resp: 21643

Ion Ratio Lower Upper

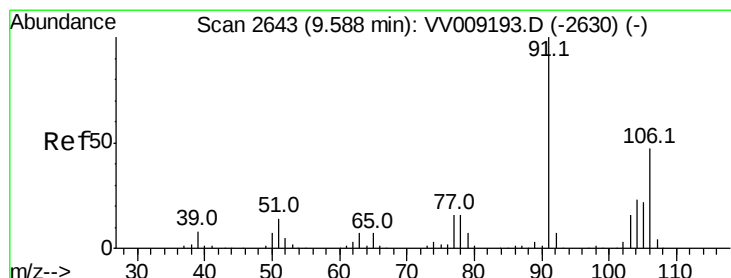
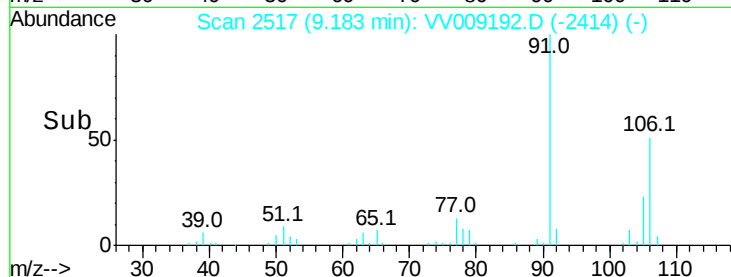
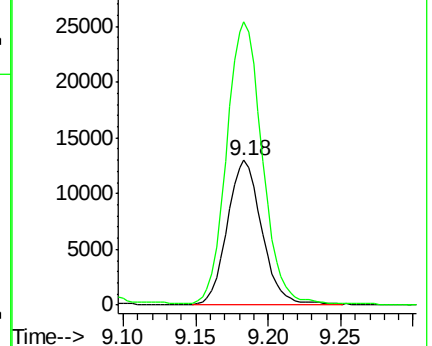
106 100

91 195.8 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 4.636 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009192.D

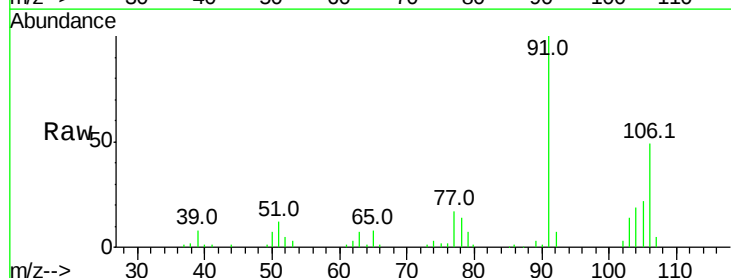
Acq: 08 Jan 2019 13:31

Tgt Ion:106 Resp: 20678

Ion Ratio Lower Upper

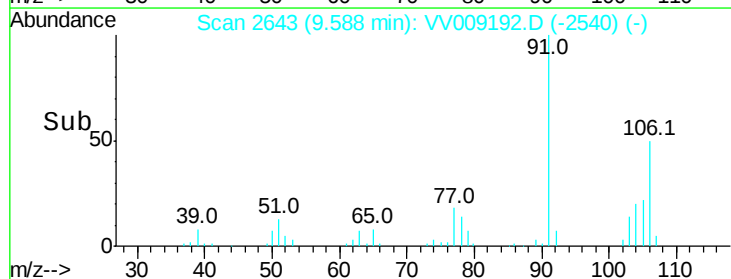
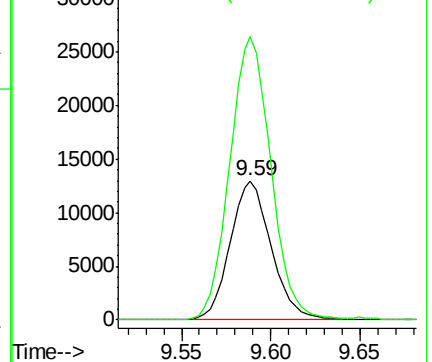
106 100

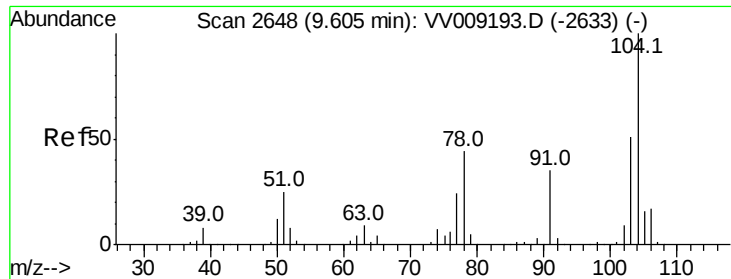
91 203.5 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

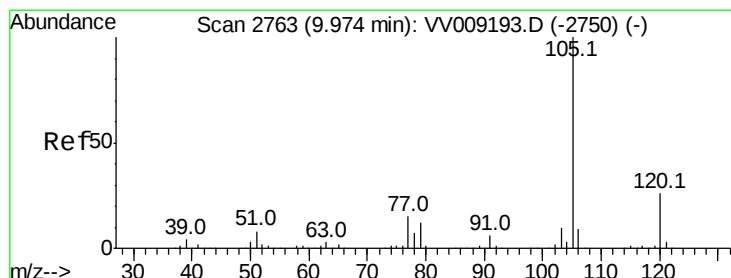
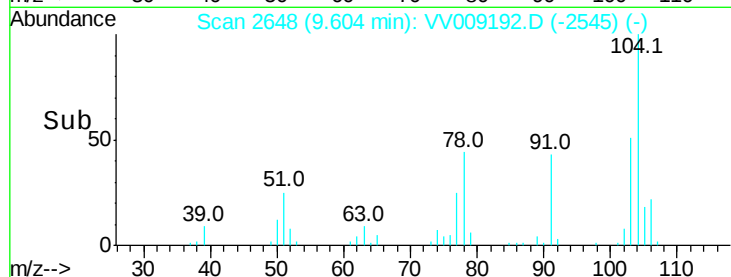
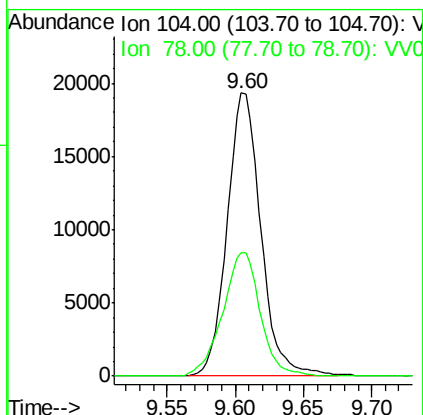
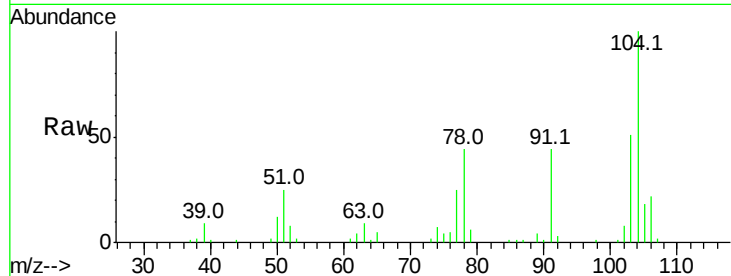




#56
Styrene
Concen: 4.426 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009192.D
Acq: 08 Jan 2019 13:31

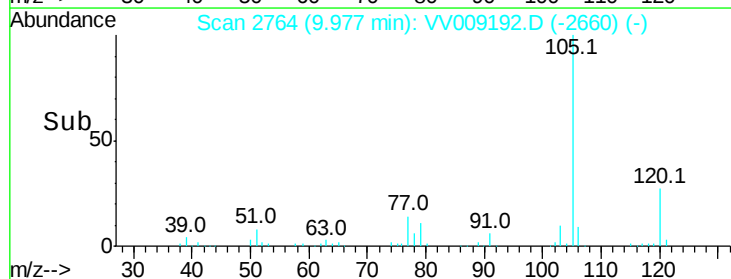
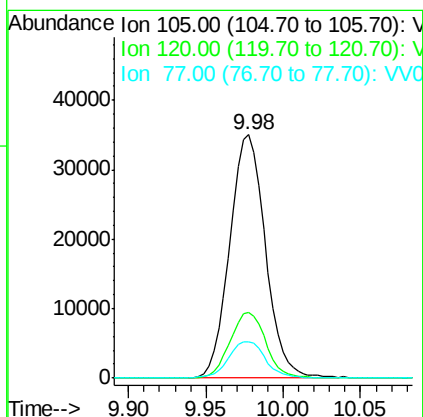
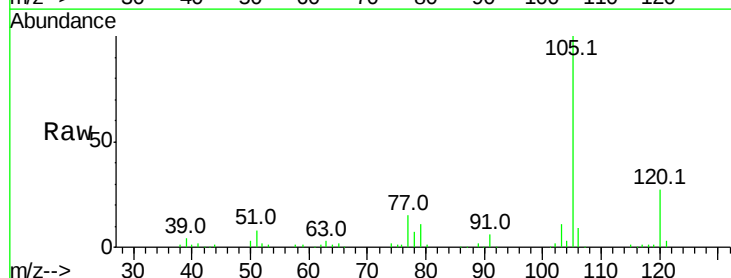
Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

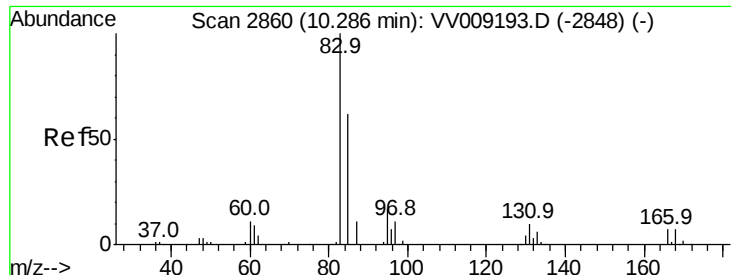
Tgt Ion:104 Resp: 33302
Ion Ratio Lower Upper
104 100
78 43.8 30.9 57.5



#57
Isopropylbenzene
Concen: 4.541 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV009192.D
Acq: 08 Jan 2019 13:31

Tgt Ion:105 Resp: 56205
Ion Ratio Lower Upper
105 100
120 27.0 21.2 31.8
77 15.5 11.9 17.9





#58

1,1,2,2-Tetrachloroethane

Concen: 4.692 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

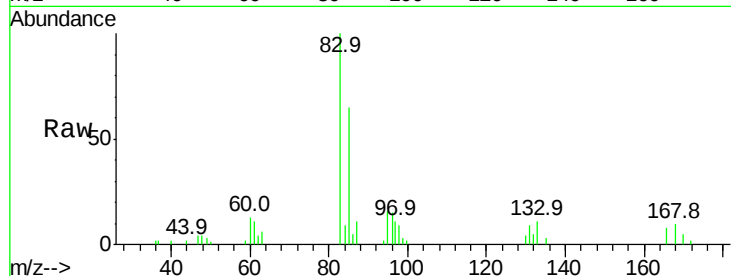
Tgt Ion: 83 Resp: 13599

Ion Ratio Lower Upper

83 100

85 64.9 43.7 81.1

131 9.1 8.5 12.7

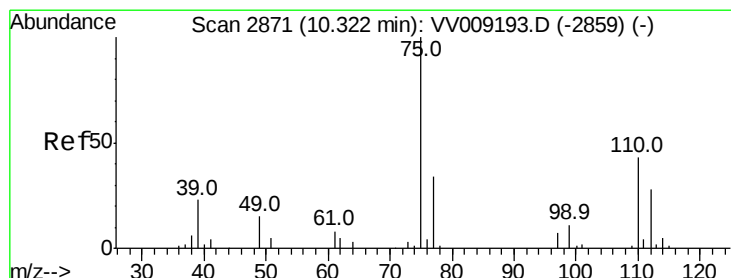
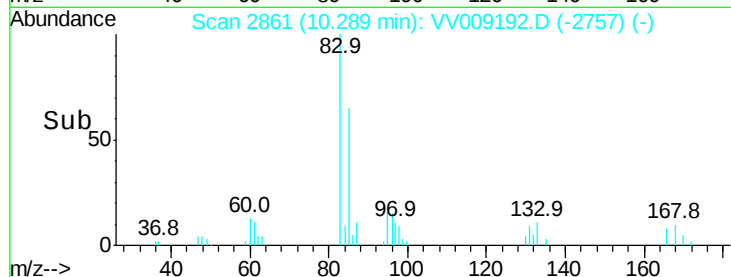


Abundance Ion 83.00 (82.70 to 83.70): VV009192.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV009192.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV009192.D (-2848) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.766 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009192.D

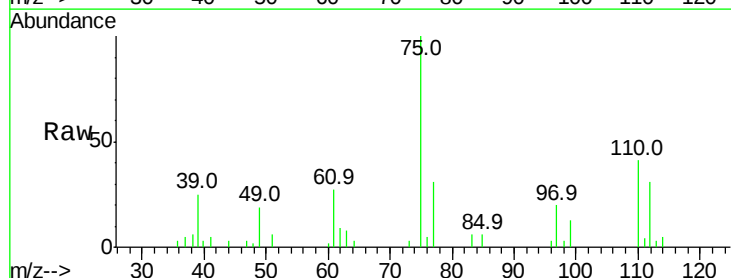
Acq: 08 Jan 2019 13:31

Tgt Ion: 75 Resp: 11041

Ion Ratio Lower Upper

75 100

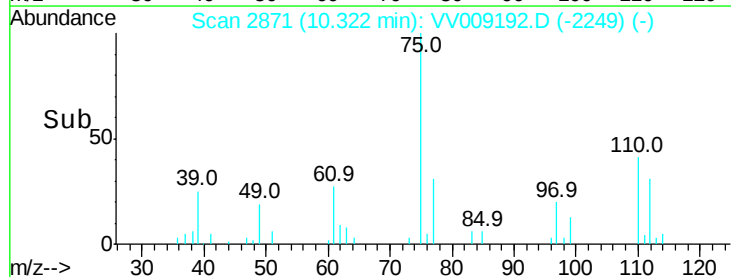
77 32.8 26.3 39.5

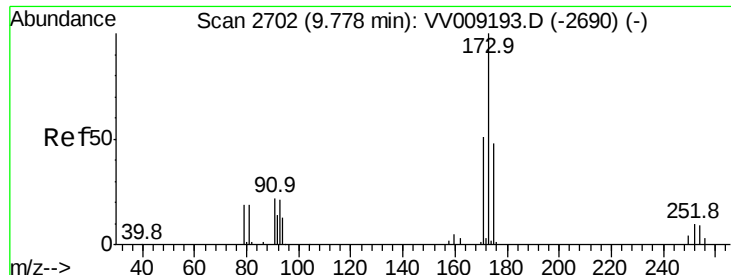


Abundance Ion 75.00 (74.70 to 75.70): VV009192.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009192.D (-2859) (-)

Time-->





#62

Bromoform

Concen: 4.688 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

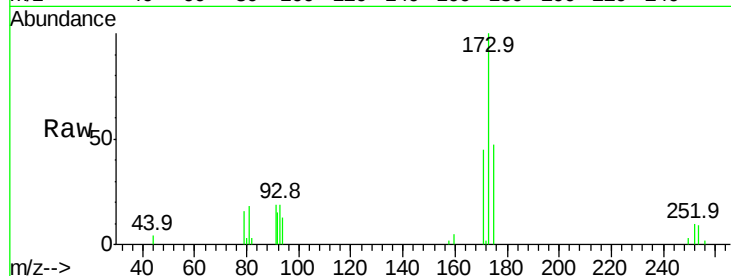
Tgt Ion:173 Resp: 7807

Ion Ratio Lower Upper

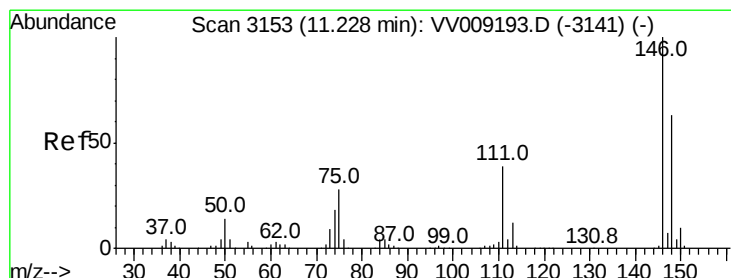
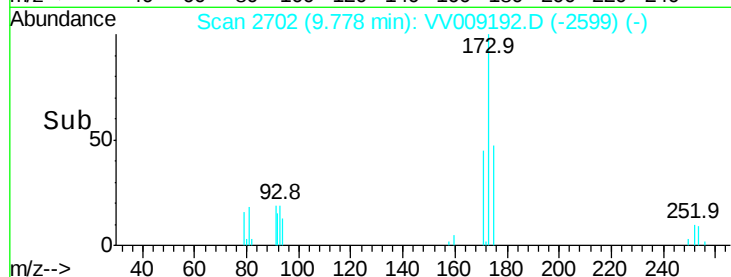
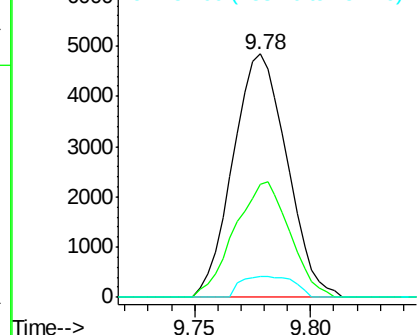
173 100

175 48.6 38.0 57.0

254 8.6 7.7 11.5



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 4.693 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

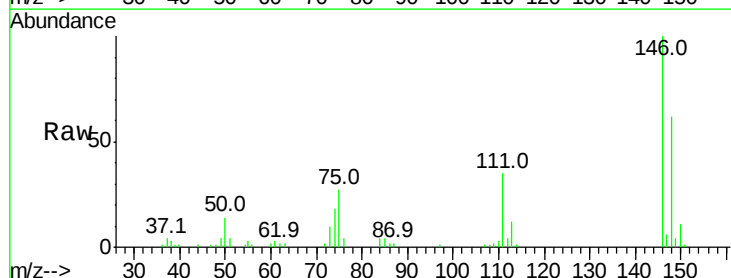
Tgt Ion:146 Resp: 27883

Ion Ratio Lower Upper

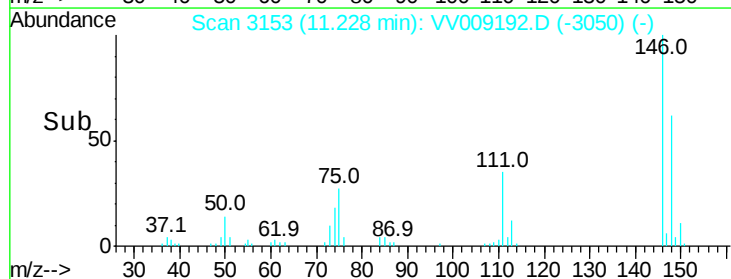
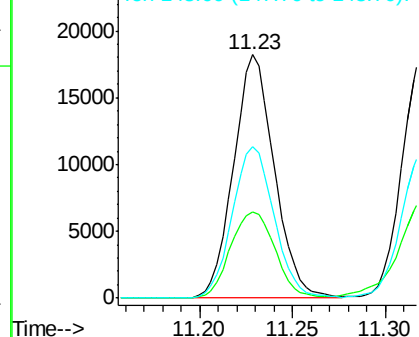
146 100

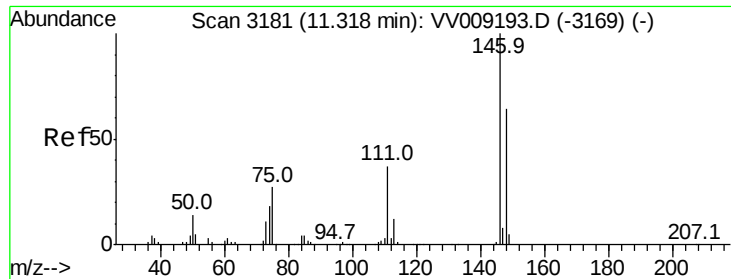
111 35.3 27.2 50.6

148 62.1 43.8 81.4



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





#64

1,4-Dichlorobenzene

Concen: 4.644 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

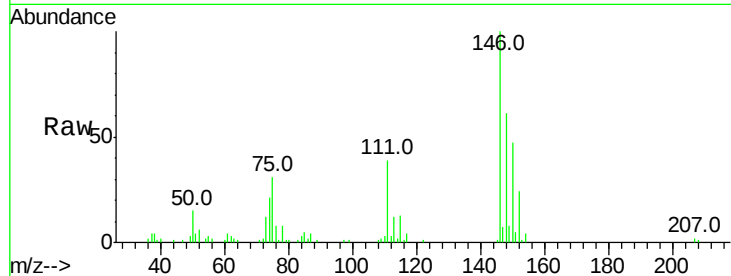
Tgt Ion:146 Resp: 28762

Ion Ratio Lower Upper

146 100

111 38.9 26.4 49.0

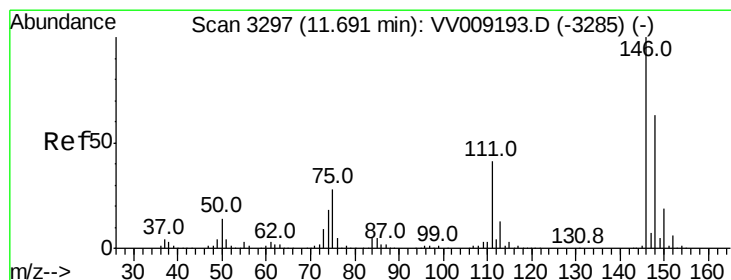
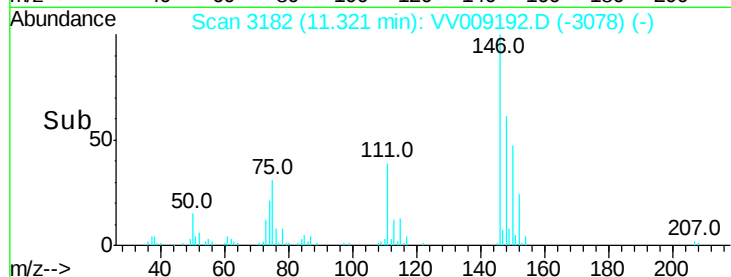
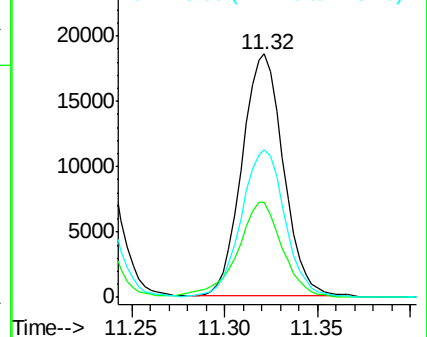
148 60.6 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 4.792 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

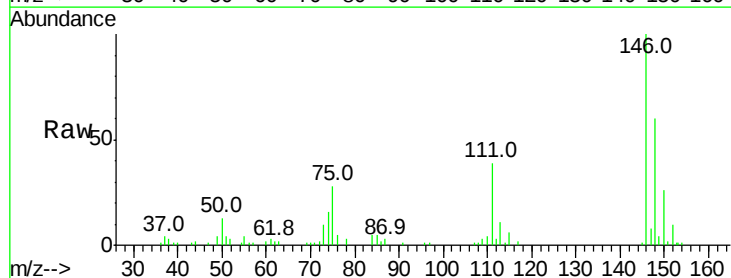
Tgt Ion:146 Resp: 27120

Ion Ratio Lower Upper

146 100

111 39.4 33.0 49.4

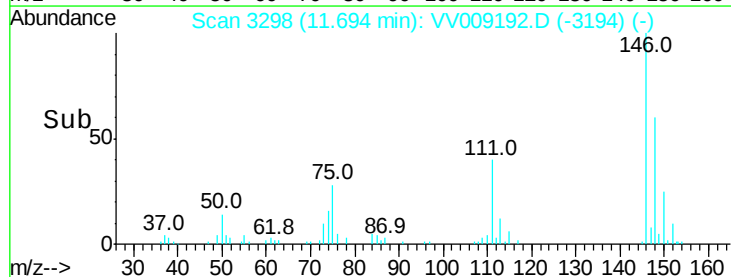
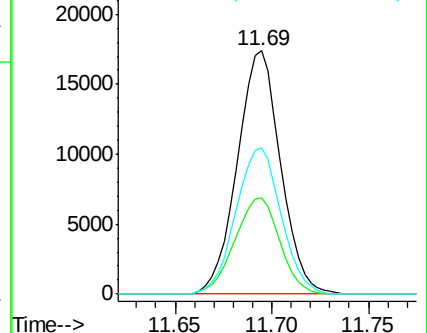
148 60.2 50.1 75.1

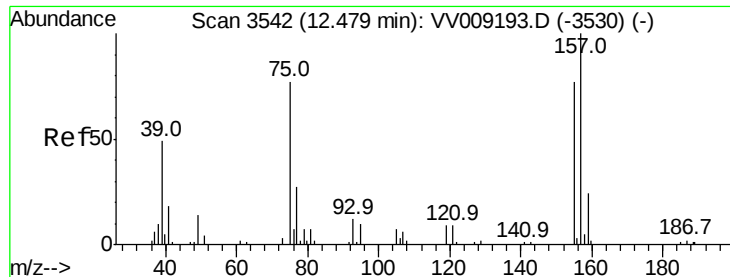


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

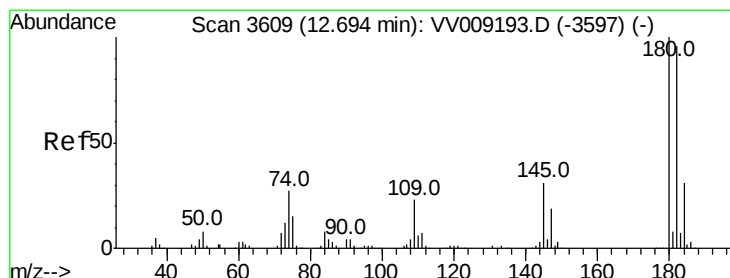
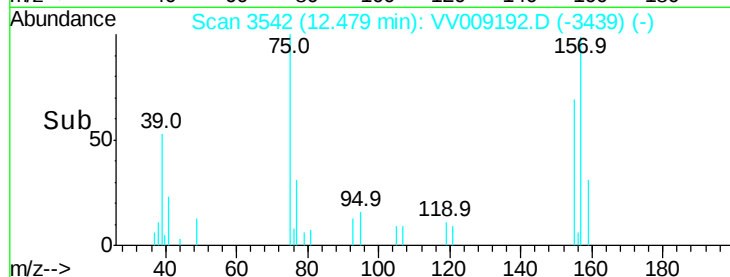
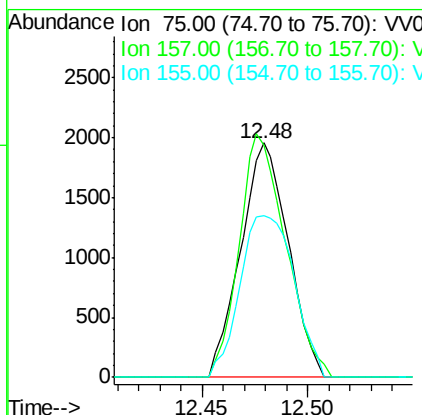
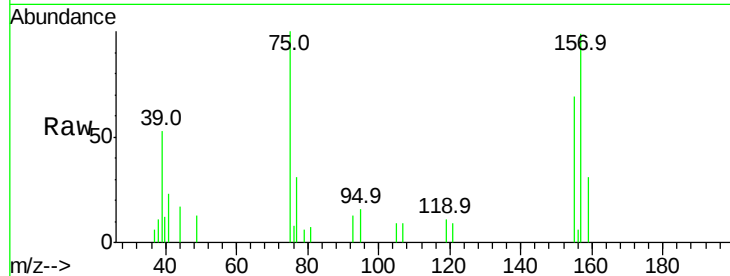




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.199 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009192.D
 Acq: 08 Jan 2019 13:31

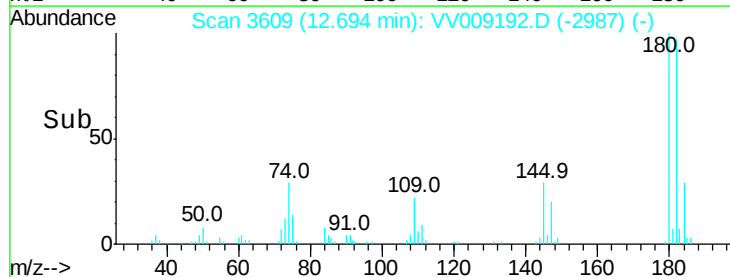
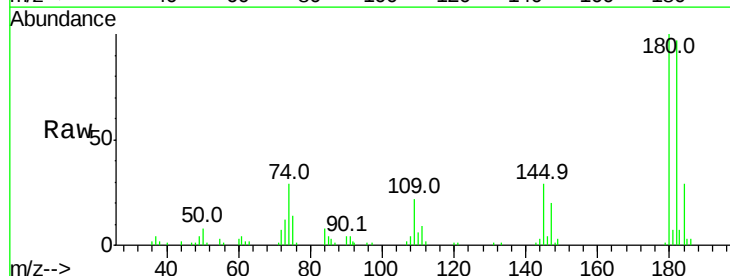
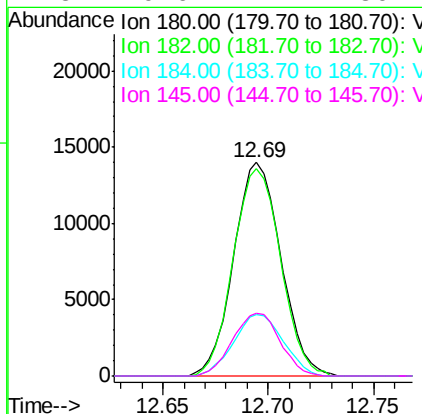
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

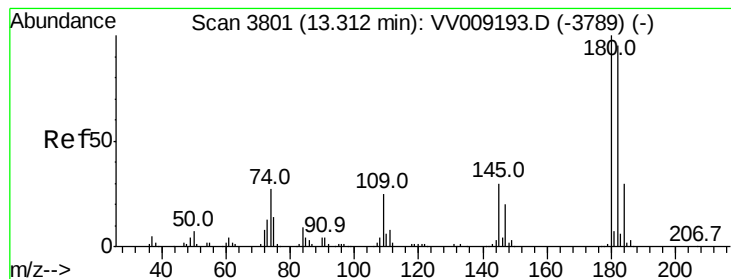
Tgt Ion: 75 Resp: 3055
 Ion Ratio Lower Upper
 75 100
 157 98.9 104.6 156.8#
 155 69.1 80.1 120.1#



#67
 1,3,5-Trichlorobenzene
 Concen: 4.550 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009192.D
 Acq: 08 Jan 2019 13:31

Tgt Ion: 180 Resp: 21804
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.4 114.6
 184 30.2 24.5 36.7
 145 29.6 24.2 36.2





#68

1,2,4-trichlorobenzene

Concen: 4.183 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. -0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

Instrument :

MSVOA_V

ClientSampled :

VSTD00578

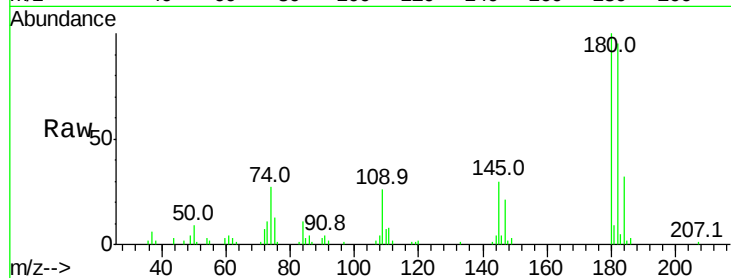
Tgt Ion:180 Resp: 16313

Ion Ratio Lower Upper

180 100

182 97.1 75.7 113.5

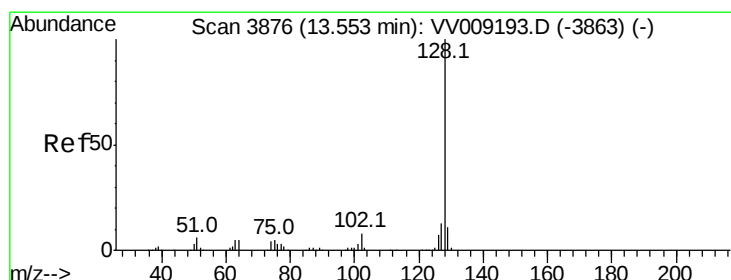
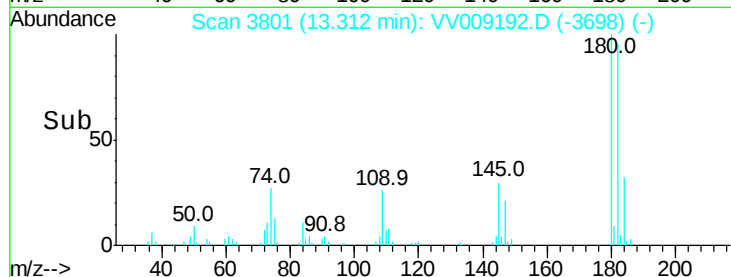
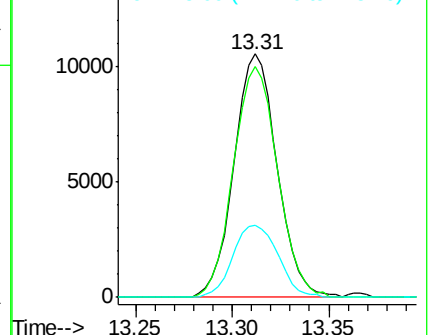
145 31.0 24.5 36.7



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: 3.600 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV009192.D

Acq: 08 Jan 2019 13:31

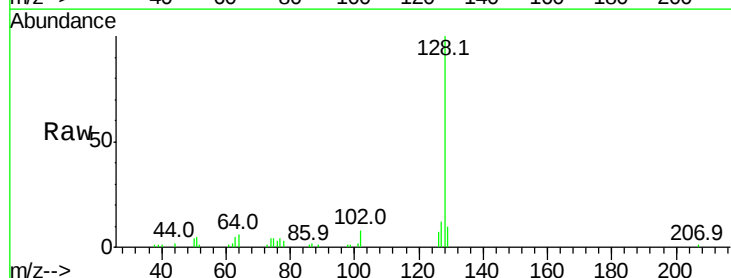
Tgt Ion:128 Resp: 28599

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

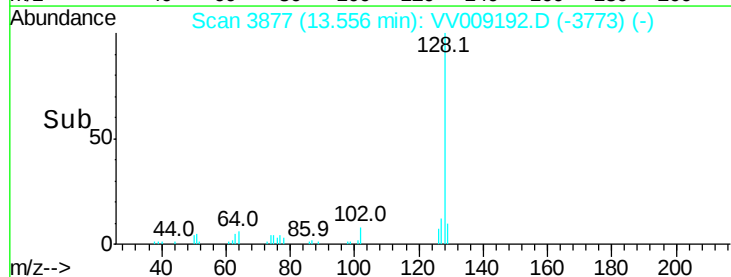
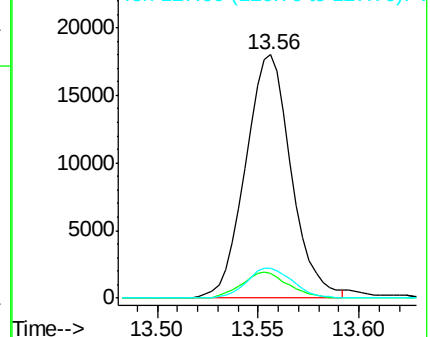
127 12.4 10.6 15.8

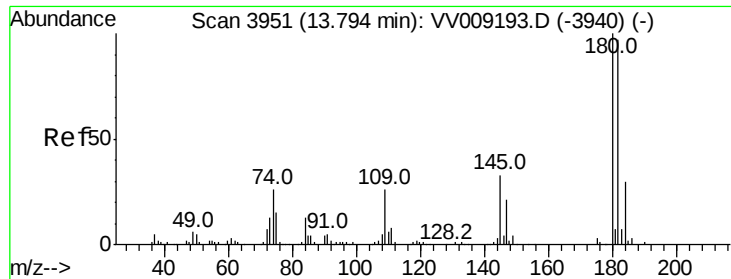


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

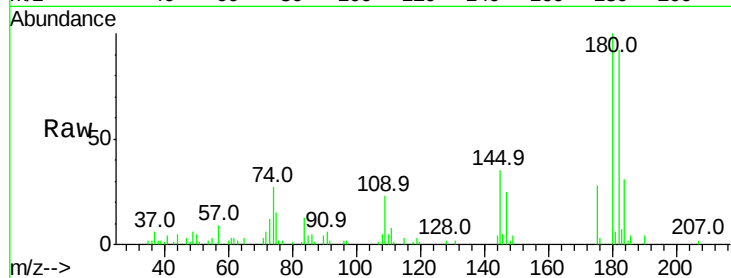




#70
 1,2,3-Trichlorobenzene
 Concen: 4.171 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009192.D
 Acq: 08 Jan 2019 13:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

Tgt Ion:180 Resp: 14929
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.8 115.2
 145 34.2 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

