

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
 Data File : VV009197.D
 Acq On : 08 Jan 2019 16:17
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

Quant Time: Jan 09 00:34:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:23:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	258458	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	240580	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	125292	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69142	29.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.84%
7) Chloroethane-d5	1.58	69	56109	27.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.28%
10) 1,1-Dichloroethene-d2	2.13	63	180300	27.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	111.56%#
20) 2-Butanone-d5	3.95	46	50697	49.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.86%
24) Chloroform-d	4.40	84	167782	27.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.08	65	91982	28.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.48%
29) Benzene-d6	5.10	84	342033	28.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.40%
33) 1,2-Dichloropropane-d6	6.12	67	96515	27.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.80%
37) Toluene-d8	7.36	98	321809	28.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.76%
38) trans-1,3-Dichloropropene-	7.67	79	48244	28.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.68%
39) 2-Hexanone-d5	8.14	63	34552	54.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.54%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	94363	28.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	124528	26.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	108185	25.838	ug/L 99
3) Chloromethane	1.25	50	74943	27.214	ug/L 99
5) Vinyl chloride	1.32	62	75993	26.745	ug/L 99
6) Bromomethane	1.54	94	54639	26.264	ug/L 98
8) Chloroethane	1.60	64	45596	25.040	ug/L 99
9) Trichlorofluoromethane	1.77	101	152885	28.727	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	90103	26.452	ug/L 98
12) 1,1-Dichloroethene	2.14	96	80988	27.218	ug/L 89
13) Acetone	2.21	43	72427	47.325	ug/L 92
14) Carbon disulfide	2.32	76	266697	26.594	ug/L 99
15) Methyl Acetate	2.47	43	44693	24.128	ug/L 92
16) Methylene chloride	2.54	84	90306	24.172	ug/L 88
17) Methyl tert-butyl Ether	2.81	73	217861	27.715	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	89477	26.445	ug/L 97
19) 1,1-Dichloroethane	3.23	63	145603	26.736	ug/L 97
21) 2-Butanone	4.04	43	69955	46.918	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	97177	27.241	ug/L 98

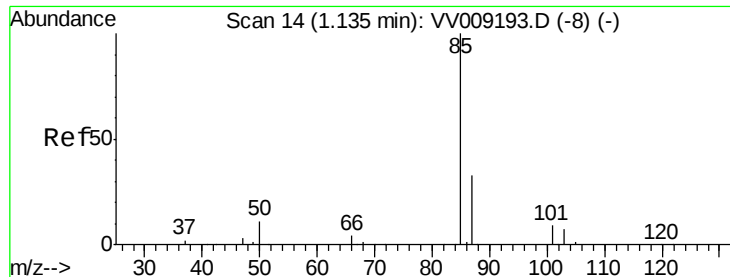
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
 Data File : VV009197.D
 Acq On : 08 Jan 2019 16:17
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:23:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47354	27.892	ug/L	95
25) Chloroform	4.43	83	158083	27.081	ug/L	98
27) 1,2-Dichloroethane	5.18	62	110223	27.801	ug/L	98
30) Cyclohexane	4.73	56	139676	26.871	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	141825	25.783	ug/L	99
32) Carbon tetrachloride	4.88	117	131677	26.135	ug/L	98
34) Benzene	5.15	78	337352	26.633	ug/L	100
35) Trichloroethene	5.96	95	95081	26.299	ug/L	98
36) Methylcyclohexane	6.18	83	163204	26.735	ug/L	98
40) 1,2-Dichloropropane	6.22	63	81453	26.404	ug/L	99
41) Bromodichloromethane	6.56	83	114351	26.955	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	138358	28.547	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	123892	51.091	ug/L	99
44) Toluene	7.43	91	367395	27.010	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	121903	28.567	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	74039	27.532	ug/L	98
47) Tetrachloroethene	8.02	164	82417	26.431	ug/L	99
49) 2-Hexanone	8.19	43	96205	50.101	ug/L	98
50) Dibromochloromethane	8.29	129	90497	27.593	ug/L	98
51) 1,2-Dibromoethane	8.40	107	73971	26.946	ug/L	99
52) Chlorobenzene	8.93	112	251219	26.863	ug/L	97
53) Ethylbenzene	9.06	91	417627	27.175	ug/L	100
54) m,p-Xylene	9.18	106	160160	26.976	ug/L	99
55) o-xylene	9.59	106	155056	27.455	ug/L	100
56) Styrene	9.60	104	263743	28.073	ug/L	100
57) Isopropylbenzene	9.98	105	421700	27.487	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	92877	27.661	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	69844	26.385	ug/L	99
62) Bromoform	9.78	173	56999	26.866	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	204823	26.140	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	207875	26.034	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	192454	26.016	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	16845	25.395	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	162684	26.079	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	136236	26.962	ug/L	100
69) Naphthalene	13.55	128	271421	27.900	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	125685	27.244	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 25.838 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

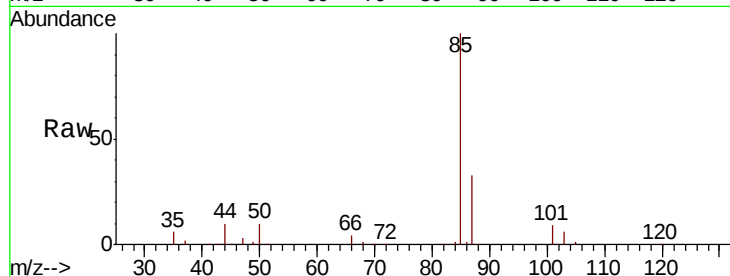
VSTD02562

Tgt Ion: 85 Resp: 108185

Ion Ratio Lower Upper

85 100

87 32.4 23.0 42.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

100000

80000

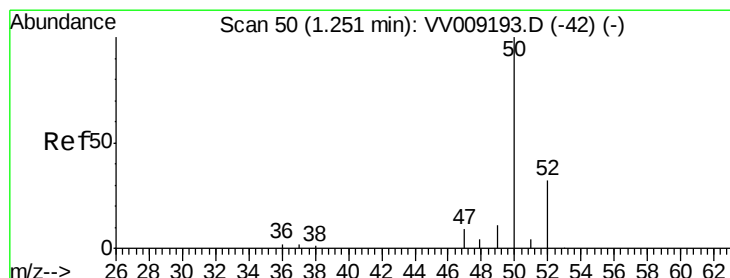
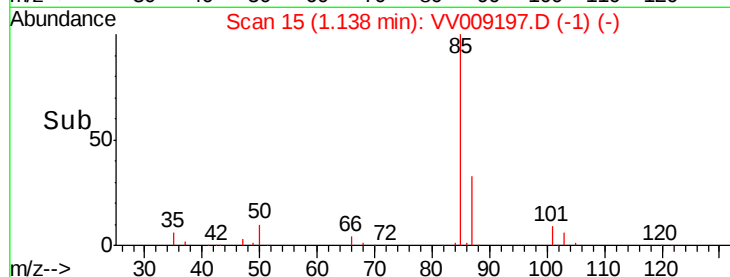
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 27.214 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009197.D

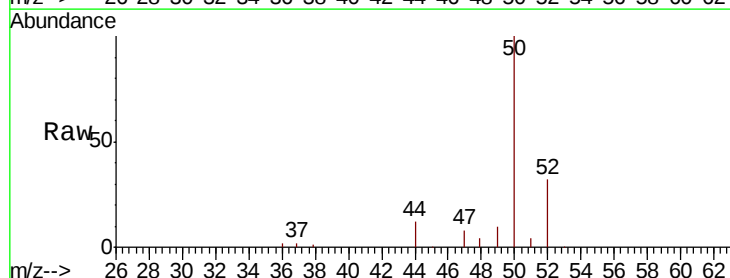
Acq: 08 Jan 2019 16:17

Tgt Ion: 50 Resp: 74943

Ion Ratio Lower Upper

50 100

52 31.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

60000

50000

40000

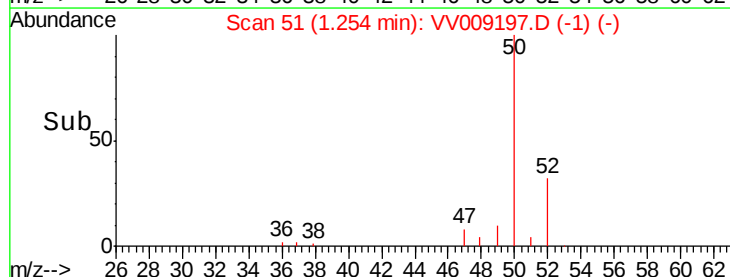
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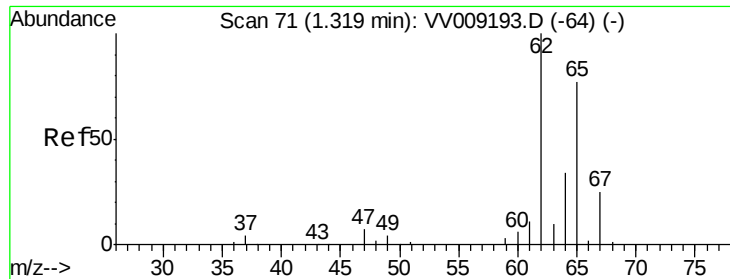
20000

10000

0

Time-->





#5

Vinyl chloride

Concen: 26.745 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

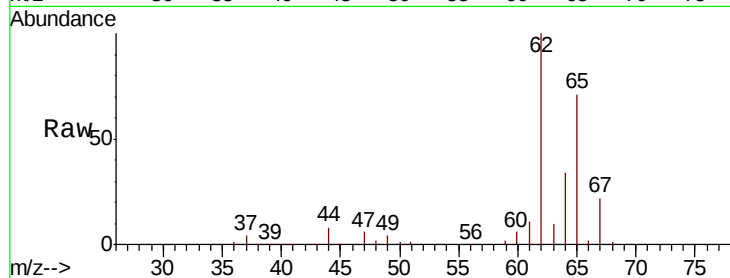
VSTD02562

Tgt Ion: 62 Resp: 75993

Ion Ratio Lower Upper

62 100

64 33.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

80000

60000

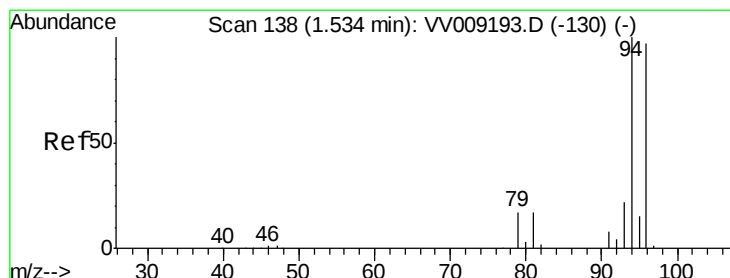
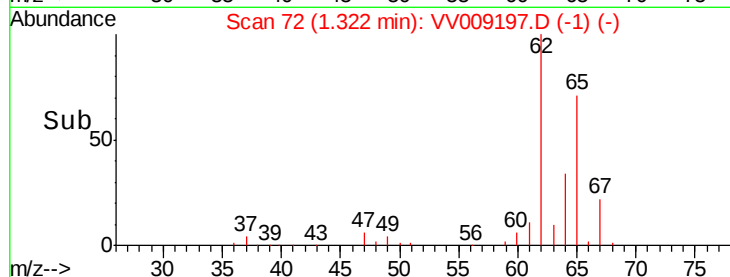
40000

20000

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Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 26.264 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV009197.D

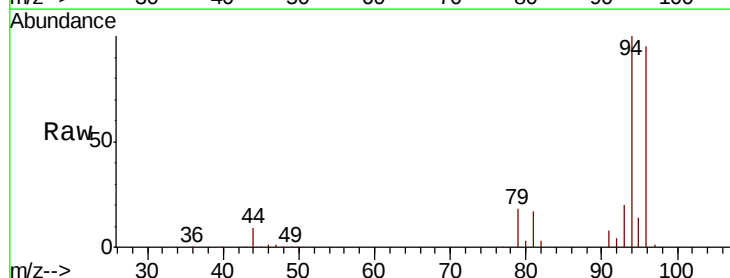
Acq: 08 Jan 2019 16:17

Tgt Ion: 94 Resp: 54639

Ion Ratio Lower Upper

94 100

96 94.4 9.6 183.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

50000

40000

30000

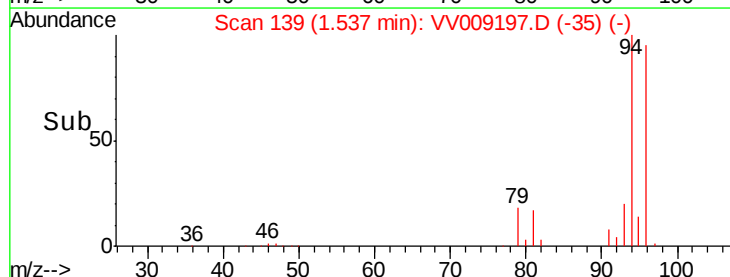
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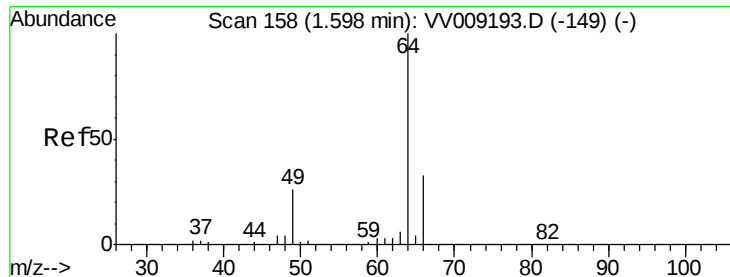
10000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 25.040 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

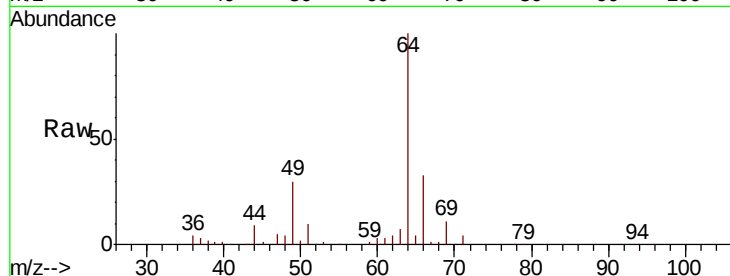
VSTD02562

Tgt Ion: 64 Resp: 45596

Ion Ratio Lower Upper

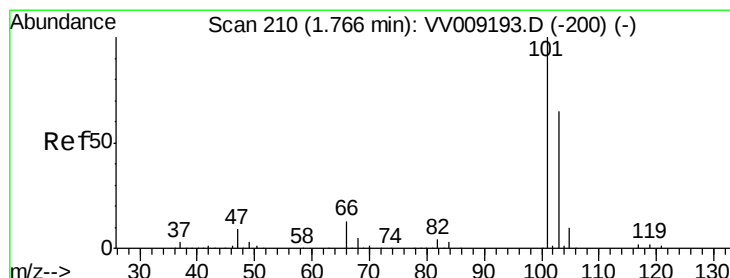
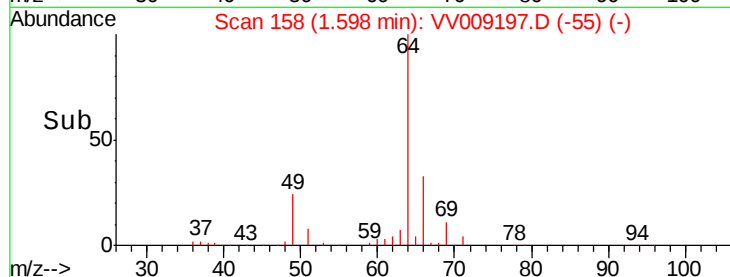
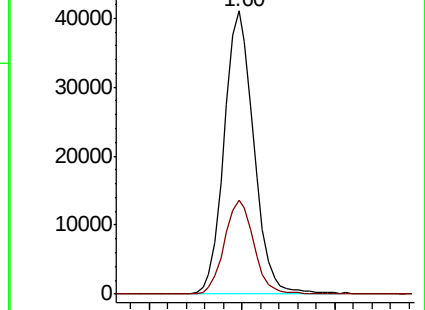
64 100

66 33.1 22.7 42.3



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

Ion 66.00 (65.70 to 66.70): VV009197.D (-55) (-)



#9

Trichlorofluoromethane

Concen: 28.727 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV009197.D

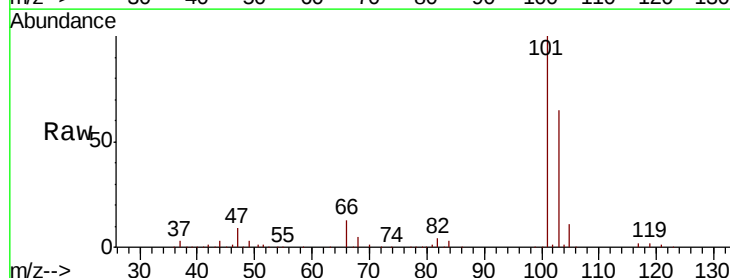
Acq: 08 Jan 2019 16:17

Tgt Ion: 101 Resp: 152885

Ion Ratio Lower Upper

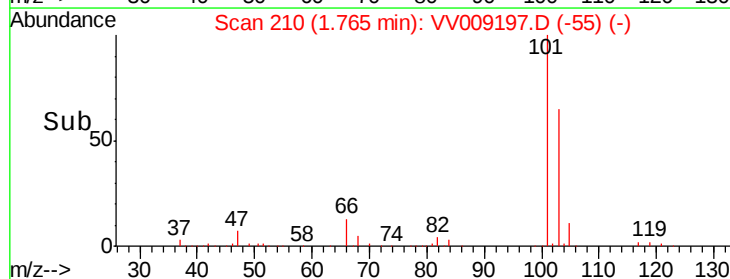
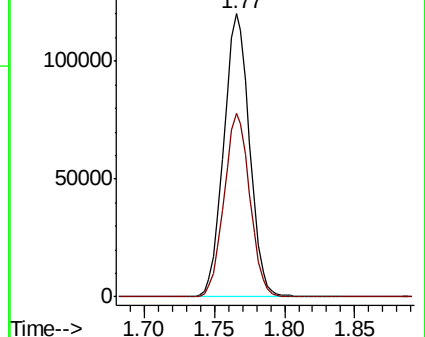
101 100

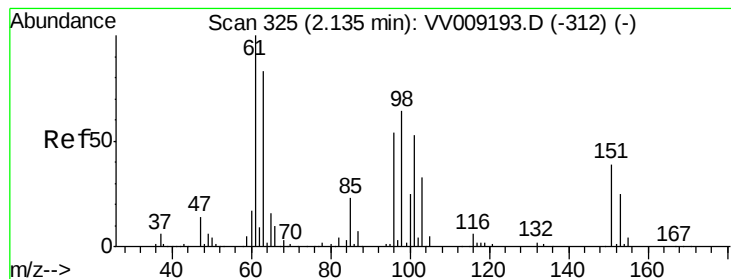
103 64.7 45.9 85.3



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

Ion 103.00 (102.70 to 103.70): VV009197.D (-55) (-)





#11

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

Concen: 26.452 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

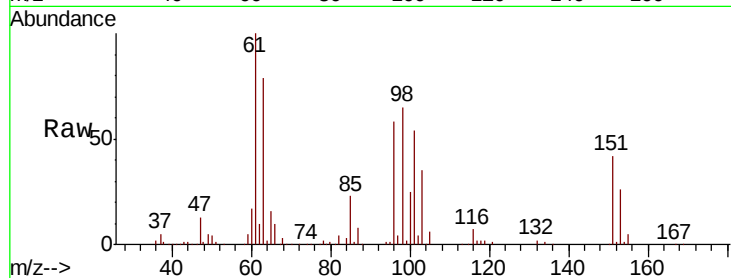
Tgt Ion:101 Resp: 90103

Ion Ratio Lower Upper

101 100

85 43.3 35.2 52.8

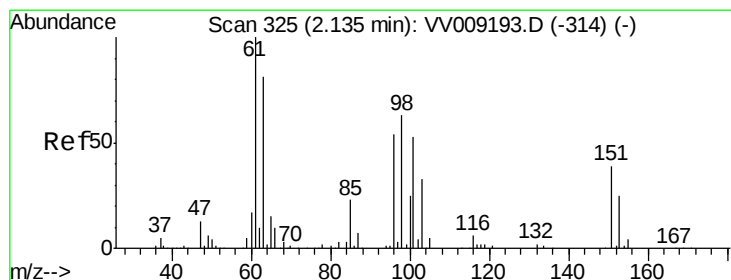
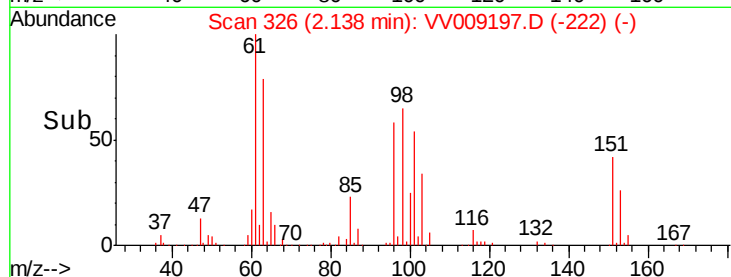
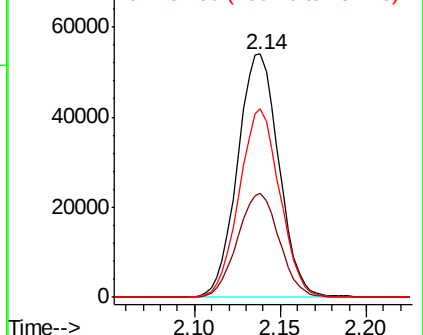
151 76.1 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.218 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

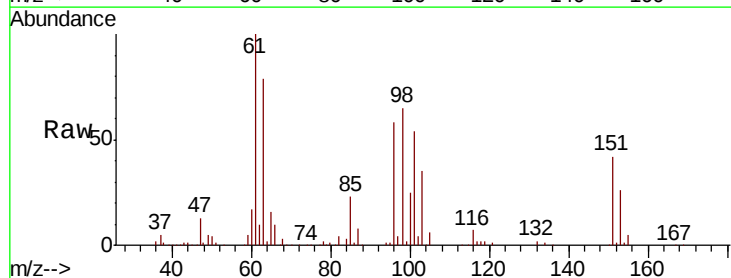
Tgt Ion: 96 Resp: 80988

Ion Ratio Lower Upper

96 100

61 173.2 130.3 241.9

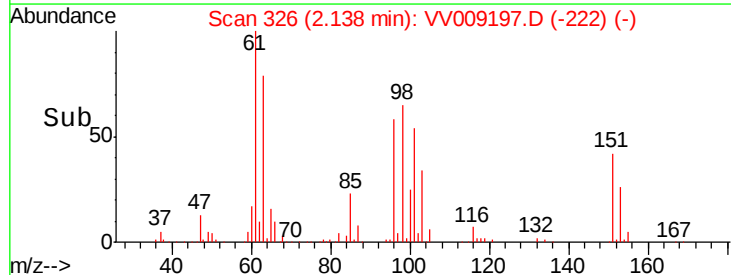
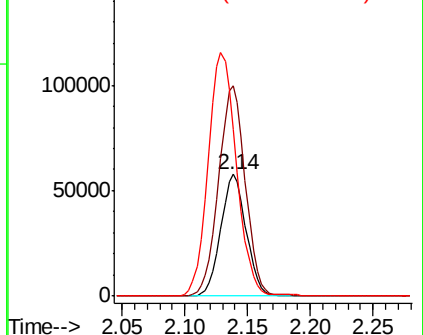
63 137.1 107.8 200.2

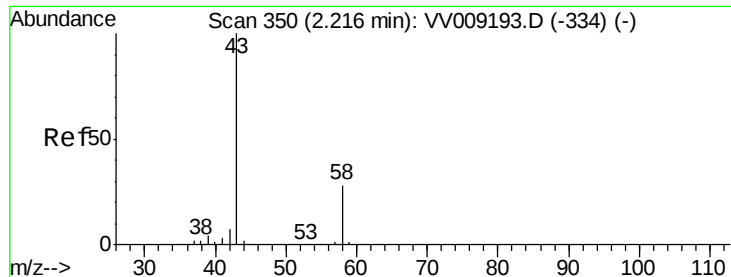


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.325 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

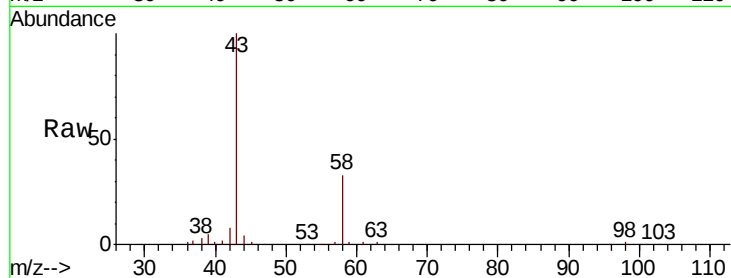
VSTD02562

Tgt Ion: 43 Resp: 72427

Ion Ratio Lower Upper

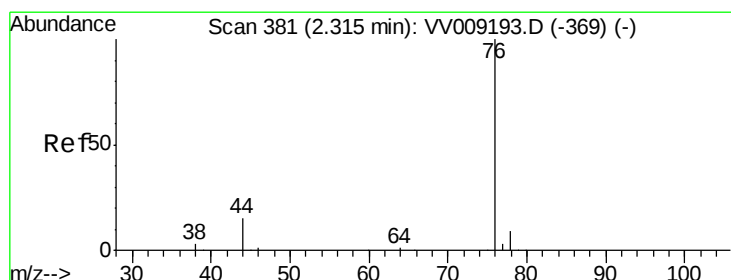
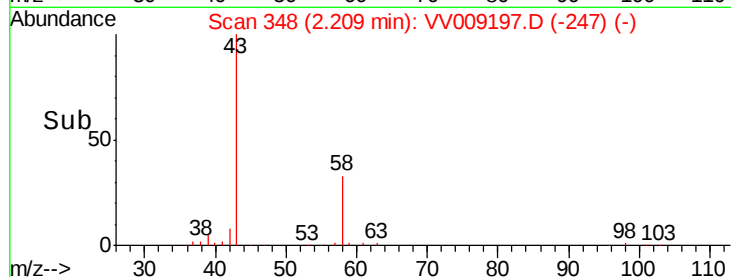
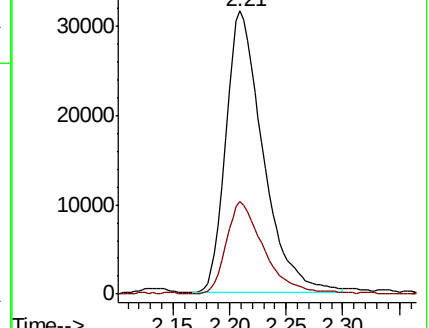
43 100

58 32.9 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV009193.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009193.D (-334) (-)



#14

Carbon disulfide

Concen: 26.594 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009197.D

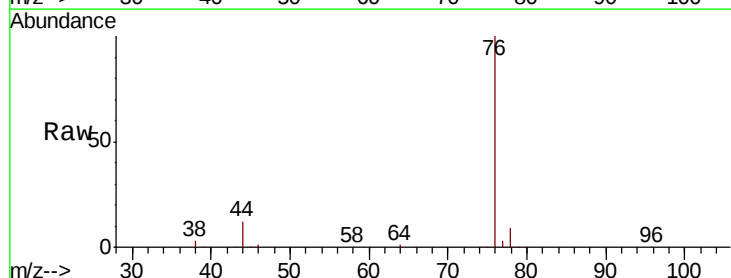
Acq: 08 Jan 2019 16:17

Tgt Ion: 76 Resp: 266697

Ion Ratio Lower Upper

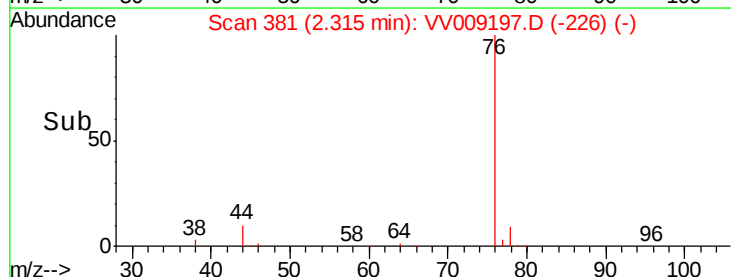
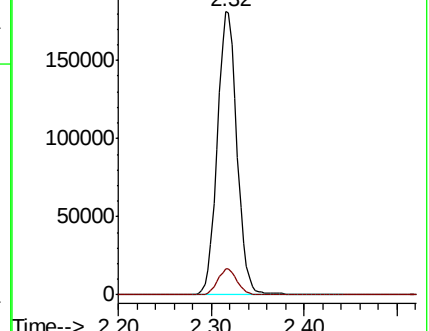
76 100

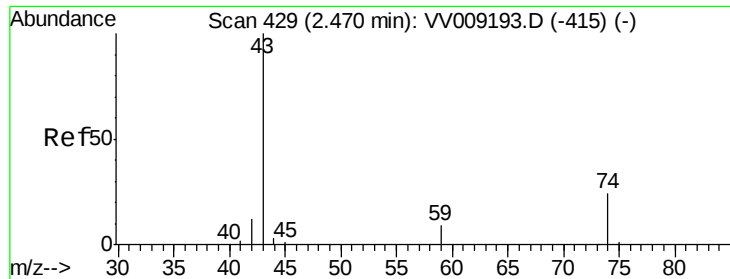
78 9.0 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009193.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009193.D (-369) (-)

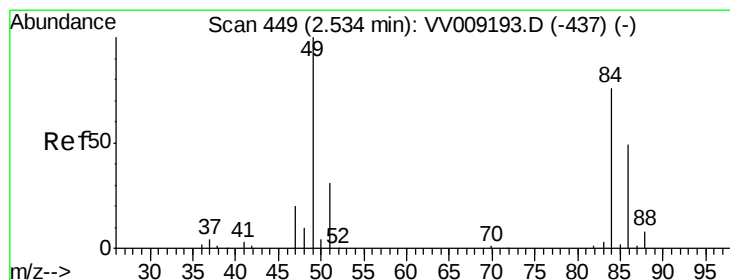
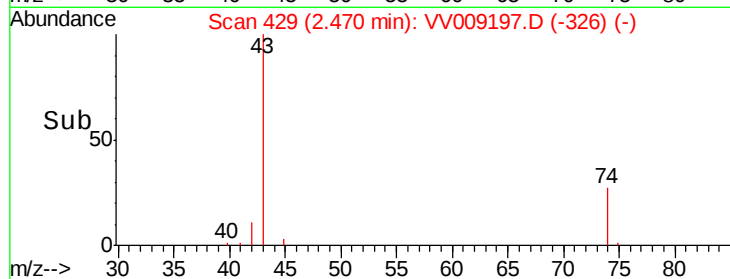
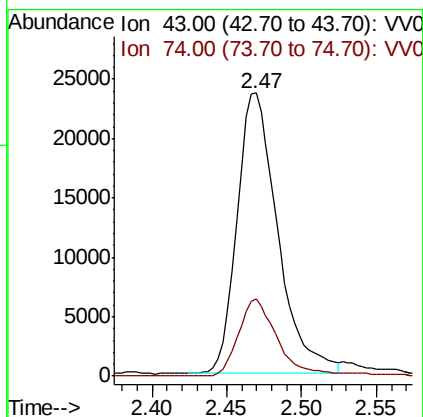
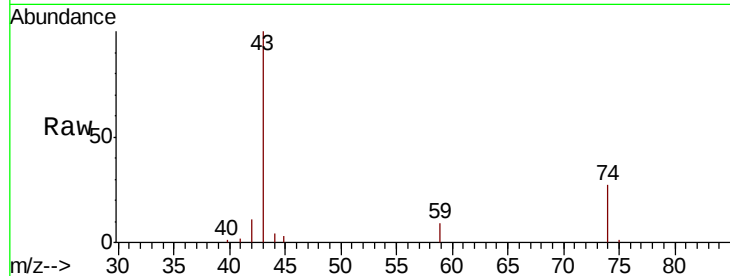




#15
Methyl Acetate
Concen: 24.128 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV009197.D
Acq: 08 Jan 2019 16:17

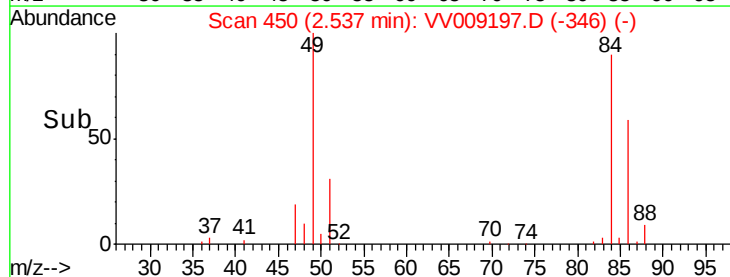
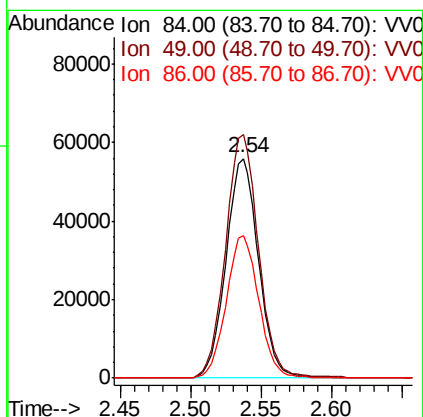
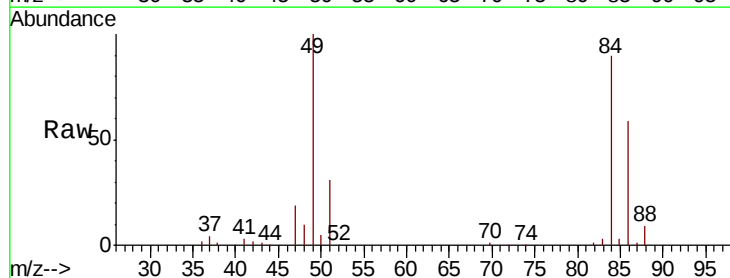
Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

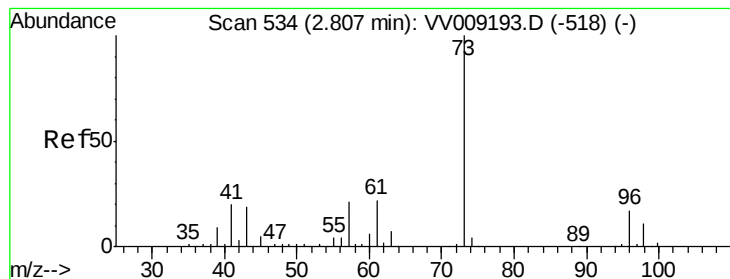
Tgt Ion: 43 Resp: 44693
Ion Ratio Lower Upper
43 100
74 26.0 17.8 26.8



#16
Methylene chloride
Concen: 24.172 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009197.D
Acq: 08 Jan 2019 16:17

Tgt Ion: 84 Resp: 90306
Ion Ratio Lower Upper
84 100
49 110.7 92.0 170.9
86 65.0 44.9 83.3



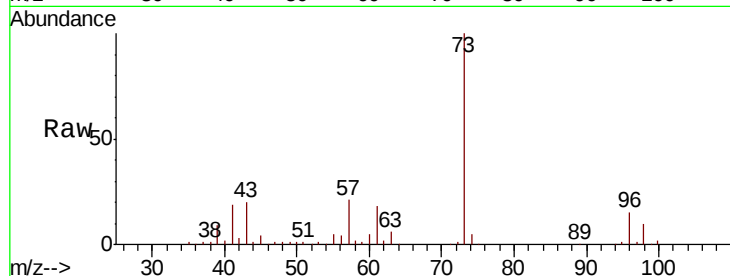


#17

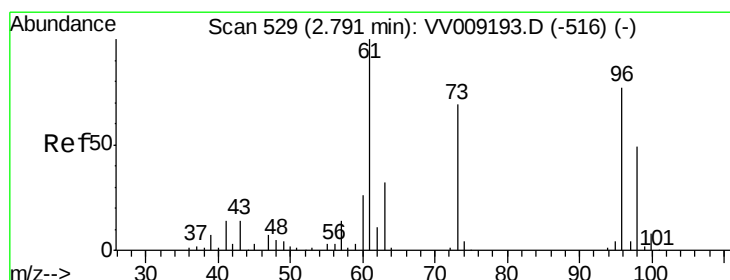
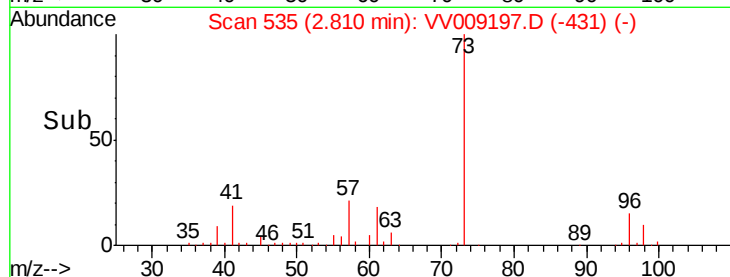
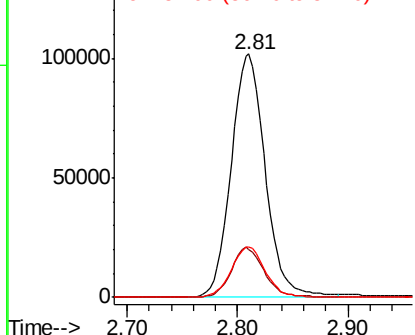
Methyl tert-butyl Ether
 Concen: 27.715 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

Tgt Ion: 73 Resp: 217861
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.4 23.0
 57 20.7 16.4 24.6



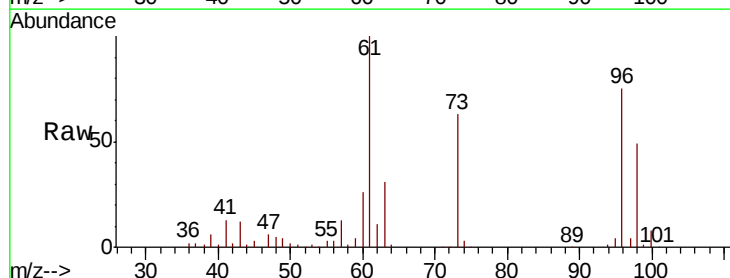
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



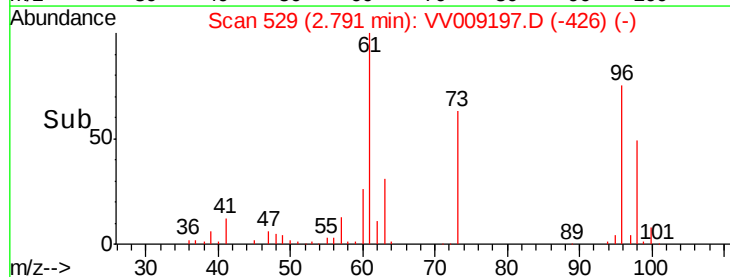
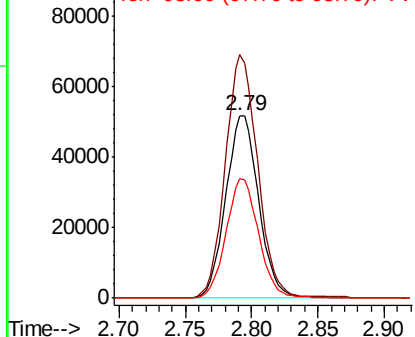
#18

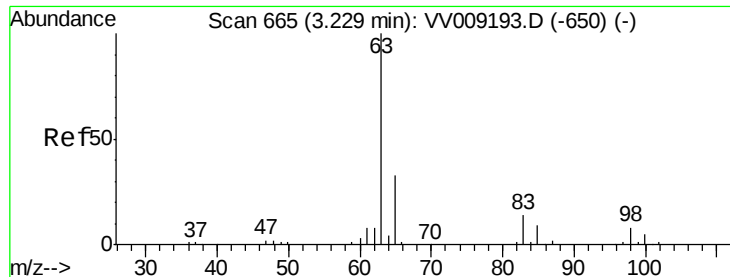
trans-1,2-Dichloroethene
 Concen: 26.445 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Tgt Ion: 96 Resp: 89477
 Ion Ratio Lower Upper
 96 100
 61 133.5 91.3 169.5
 98 65.8 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

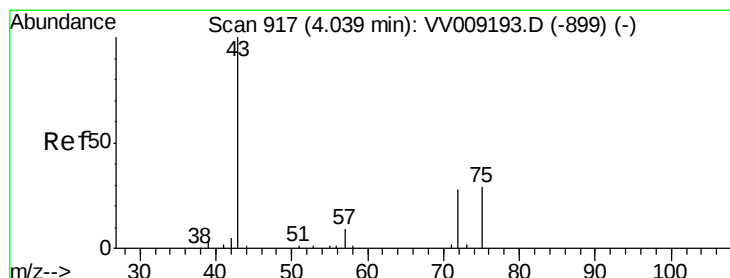
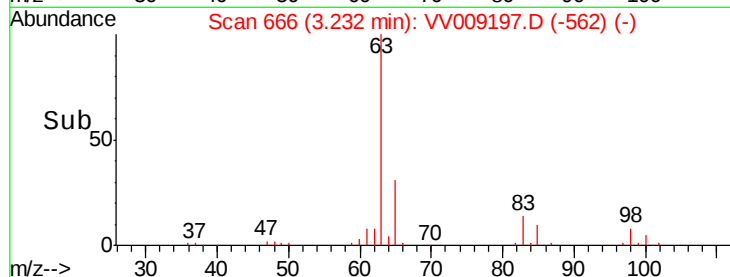
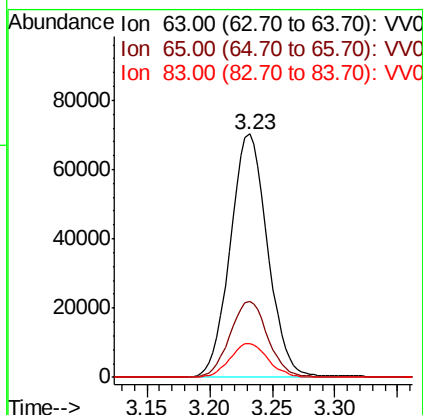
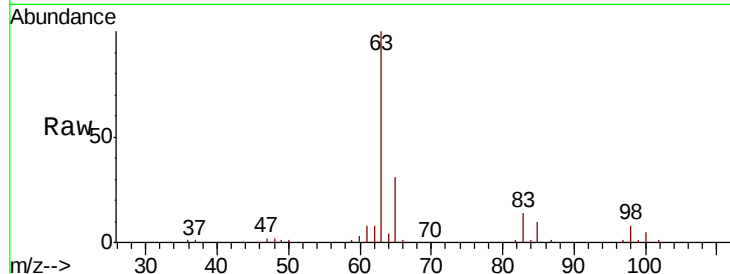




#19
 1,1-Dichloroethane
 Concen: 26.736 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

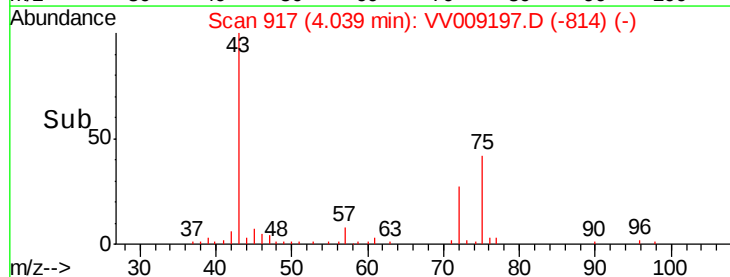
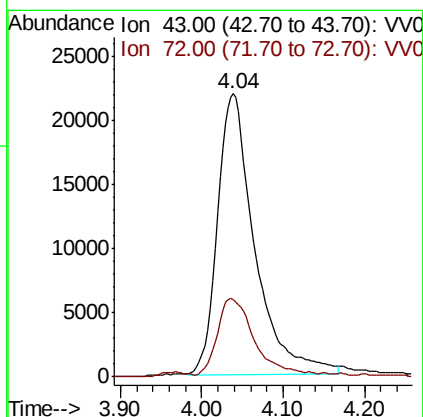
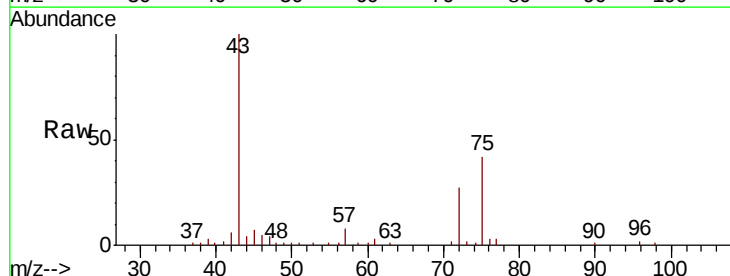
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

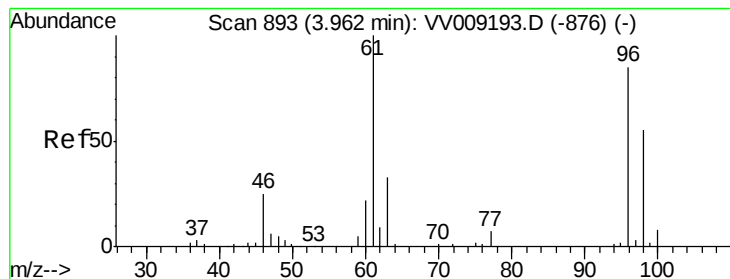
Tgt Ion: 63 Resp: 145603
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.0 42.6
 83 14.0 10.1 18.9



#21
 2-Butanone
 Concen: 46.918 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Tgt Ion: 43 Resp: 69955
 Ion Ratio Lower Upper
 43 100
 72 26.8 12.9 38.6



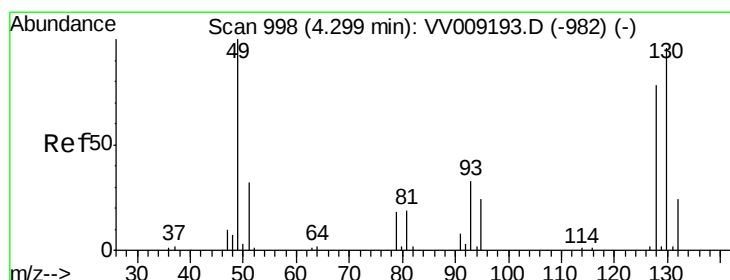
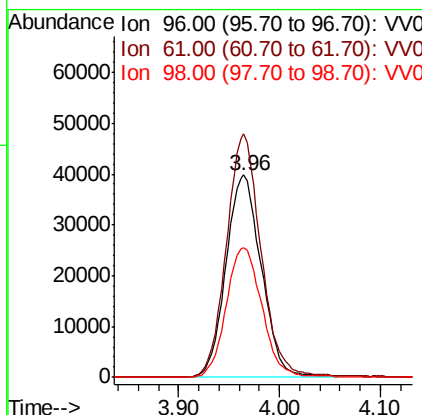
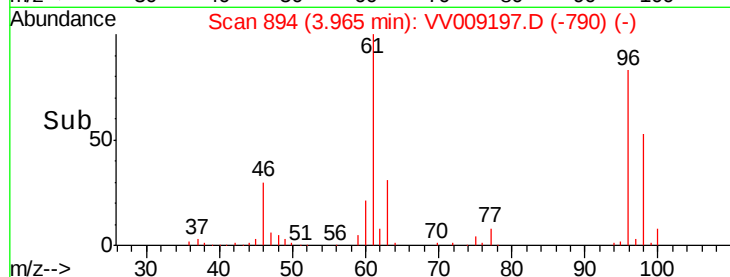
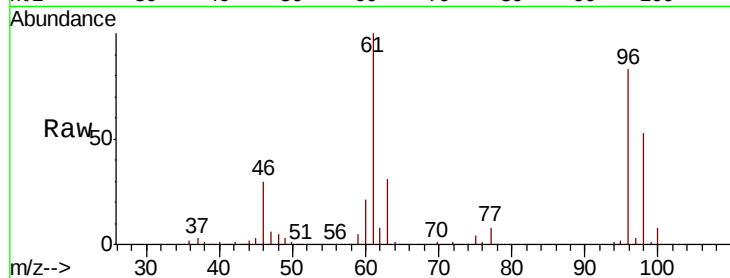


#22

cis-1,2-Dichloroethene
 Concen: 27.241 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

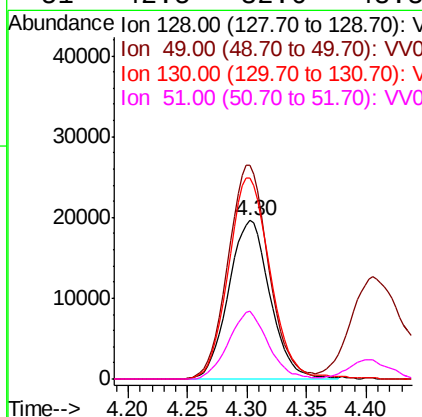
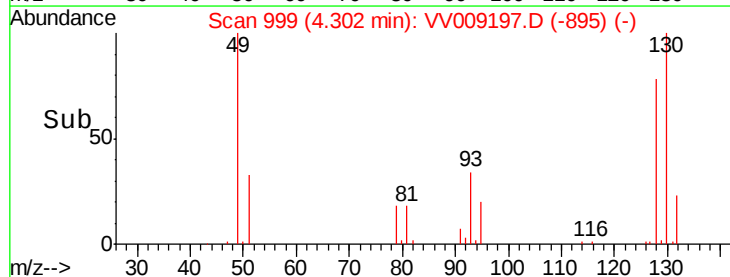
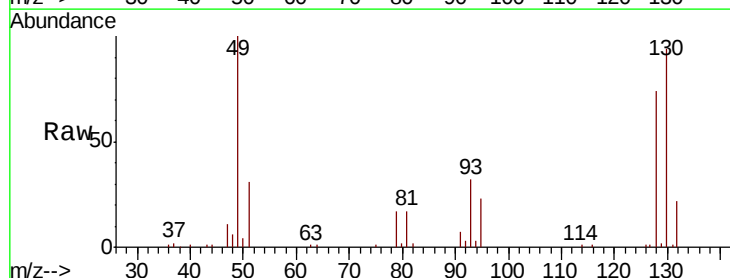
Tgt Ion: 96 Resp: 97177
 Ion Ratio Lower Upper
 96 100
 61 120.4 82.2 152.6
 98 64.2 45.1 83.9

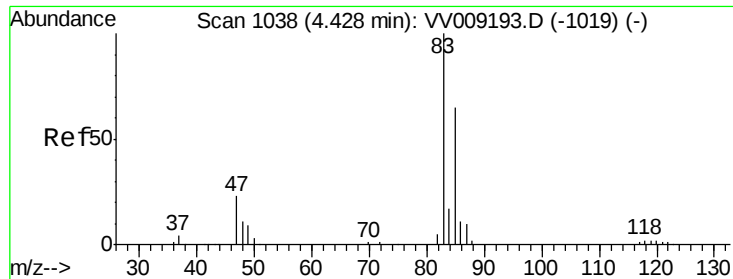


#23

Bromochloromethane
 Concen: 27.892 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Tgt Ion: 128 Resp: 47354
 Ion Ratio Lower Upper
 128 100
 49 135.1 89.2 165.6
 130 127.4 85.9 159.5
 51 42.5 32.6 48.8

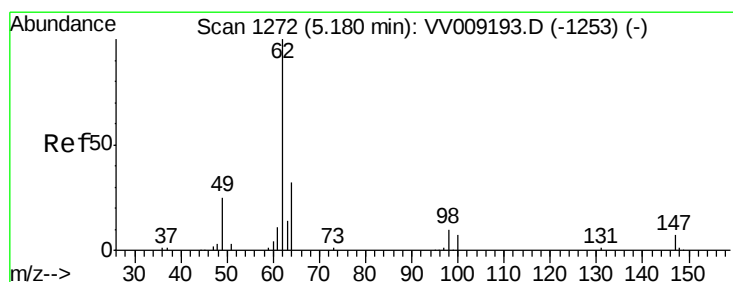
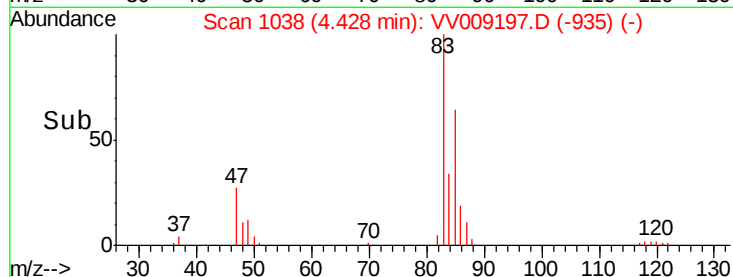
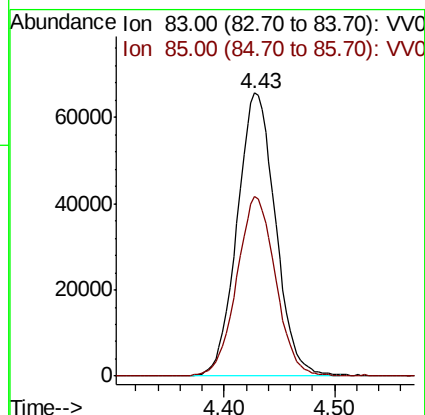
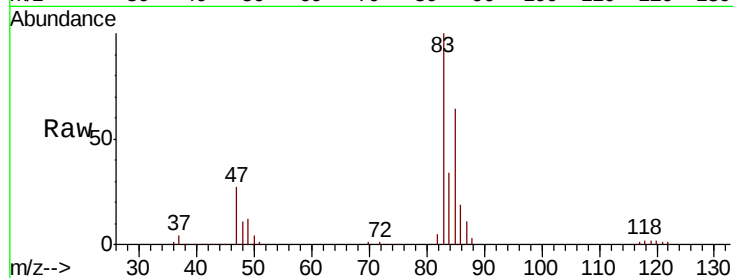




#25
Chloroform
Concen: 27.081 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009197.D
Acq: 08 Jan 2019 16:17

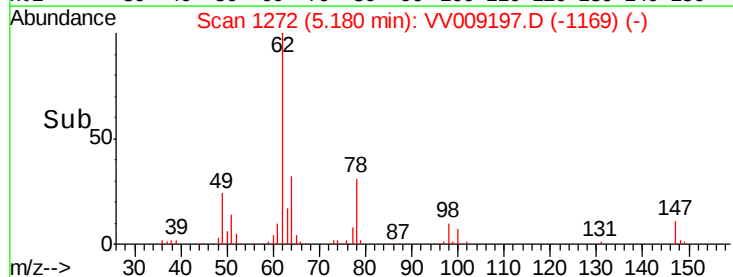
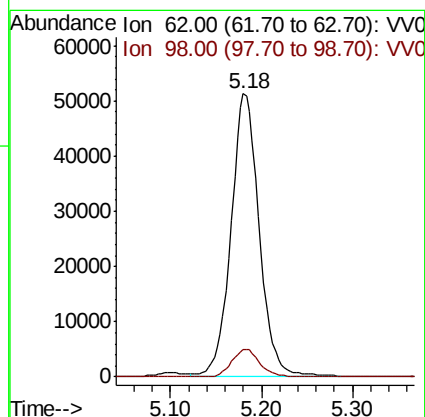
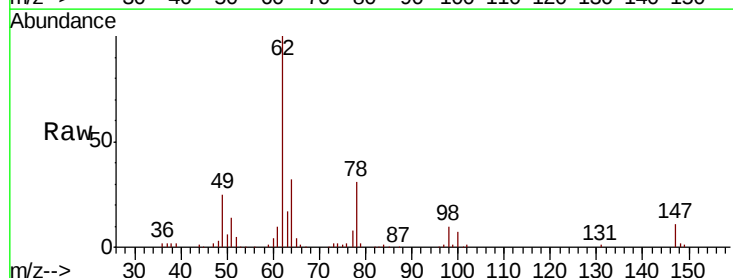
Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

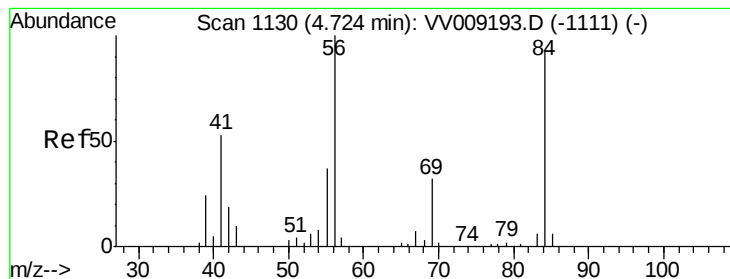
Tgt Ion: 83 Resp: 158083
Ion Ratio Lower Upper
83 100
85 64.2 46.2 85.8



#27
1,2-Dichloroethane
Concen: 27.801 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009197.D
Acq: 08 Jan 2019 16:17

Tgt Ion: 62 Resp: 110223
Ion Ratio Lower Upper
62 100
98 9.5 8.2 12.2





#30

Cyclohexane

Concen: 26.871 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

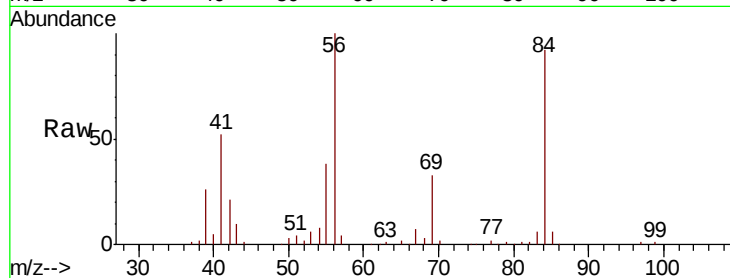
Tgt Ion: 56 Resp: 139676

Ion Ratio Lower Upper

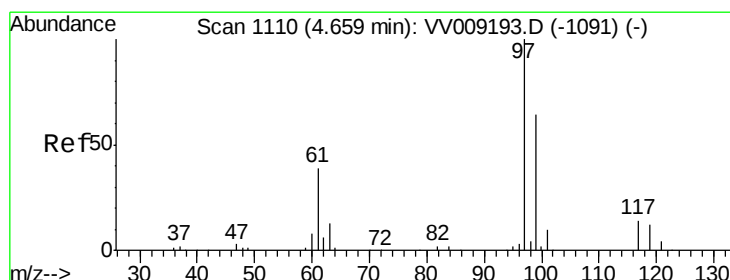
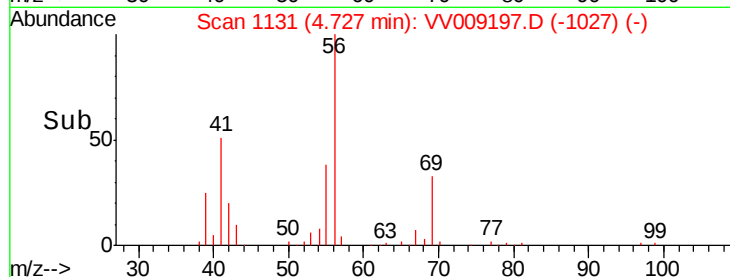
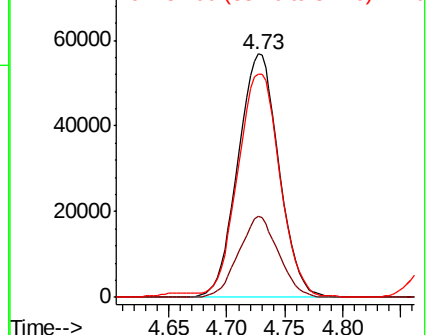
56 100

69 32.3 25.9 38.9

84 94.8 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 25.783 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

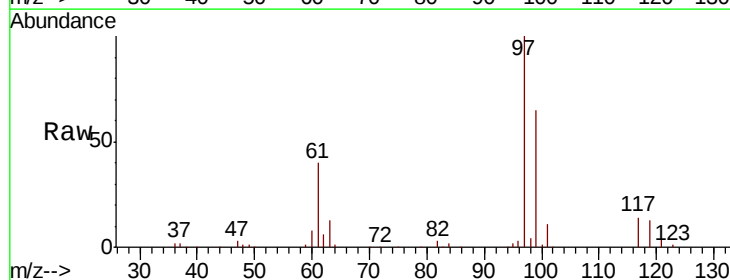
Tgt Ion: 97 Resp: 141825

Ion Ratio Lower Upper

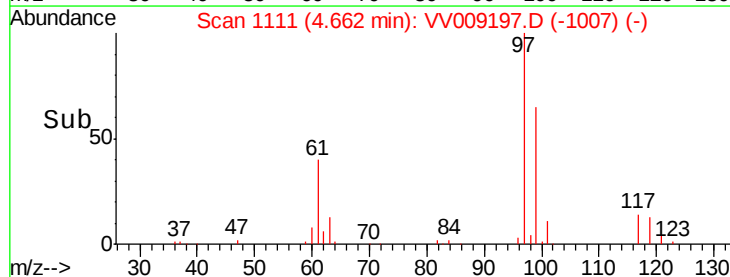
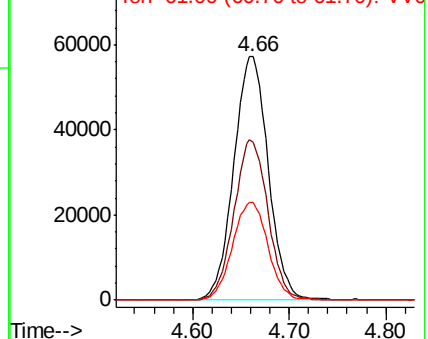
97 100

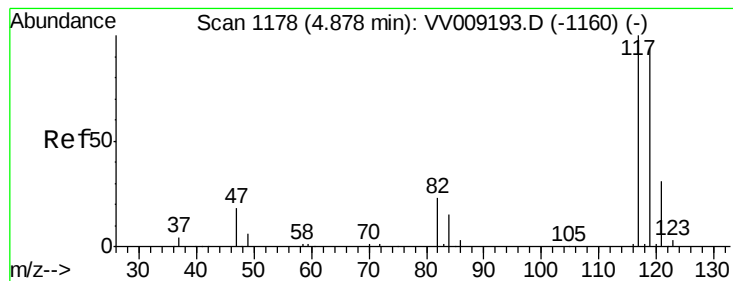
99 64.8 51.3 76.9

61 41.3 32.1 48.1



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: 26.135 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

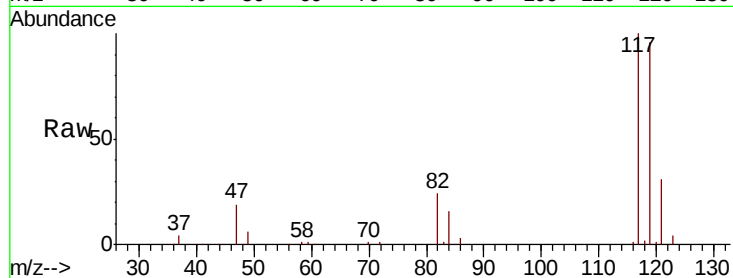
VSTD02562

Tgt Ion:117 Resp: 131677

Ion Ratio Lower Upper

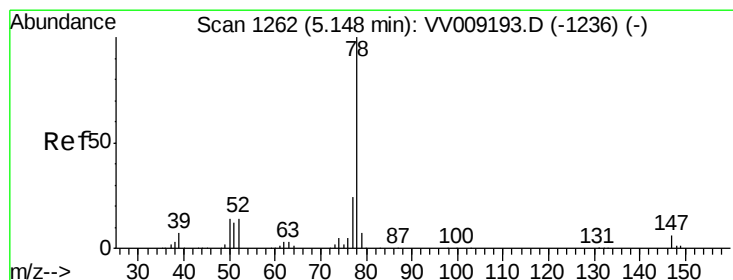
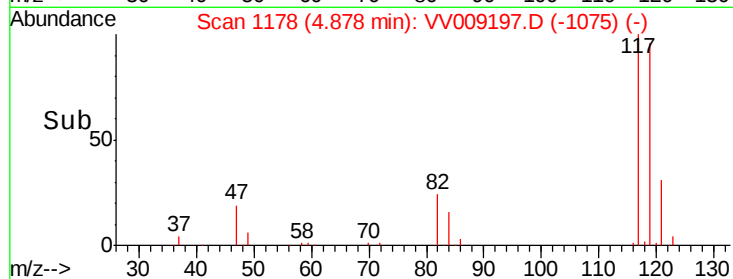
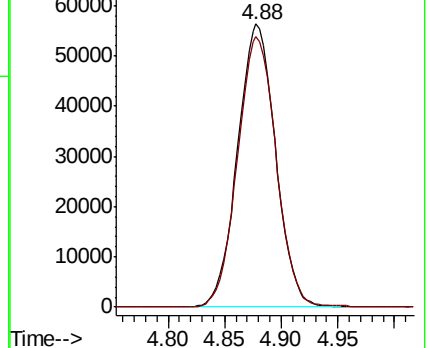
117 100

119 97.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.633 ug/L

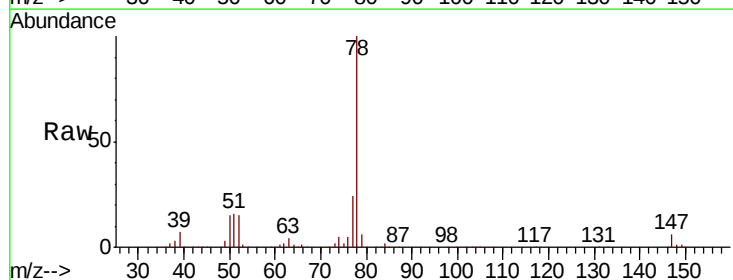
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

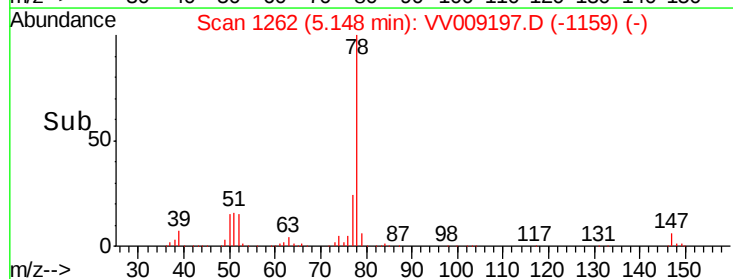
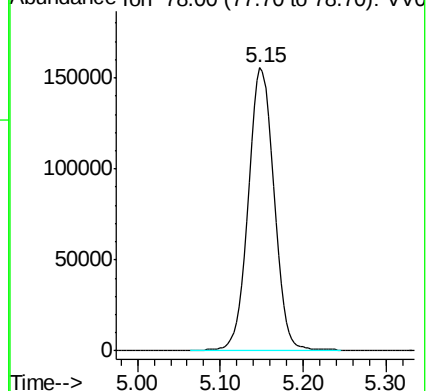
Lab File: VV009197.D

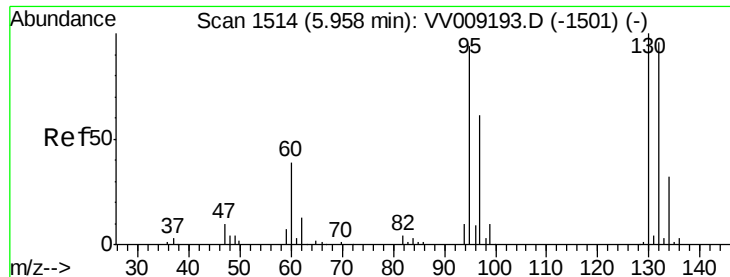
Acq: 08 Jan 2019 16:17

Tgt Ion: 78 Resp: 337352



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 26.299 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

Tgt Ion: 95 Resp: 95081

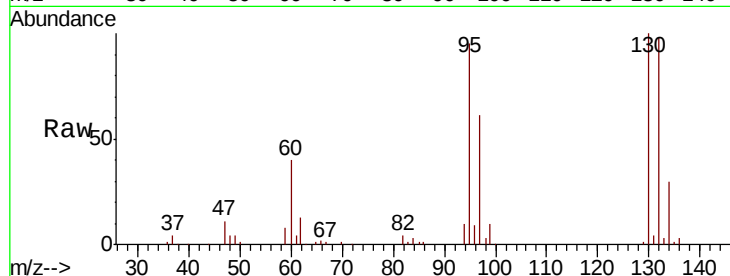
Ion Ratio Lower Upper

95 100

97 65.3 44.7 82.9

132 103.3 71.2 132.2

130 108.0 74.4 138.2

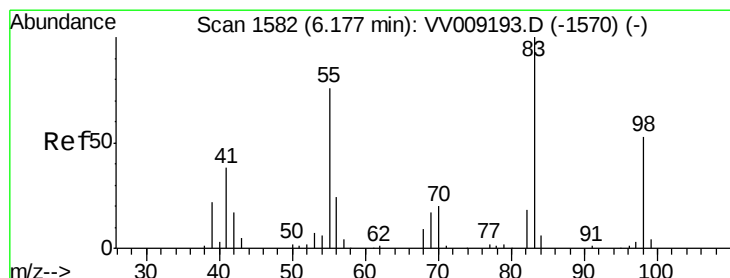
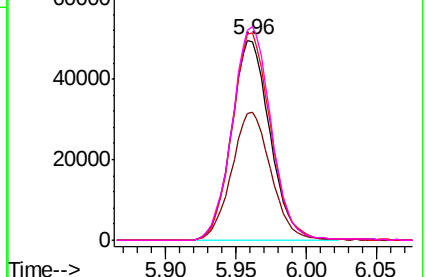
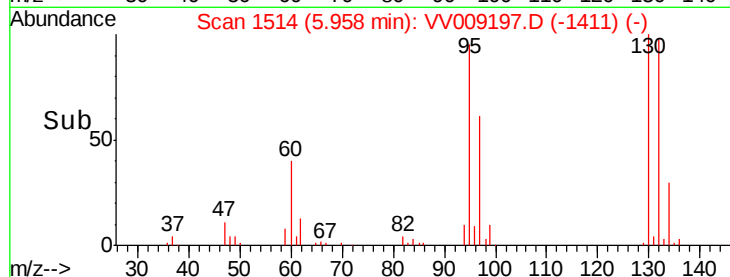


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 26.735 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

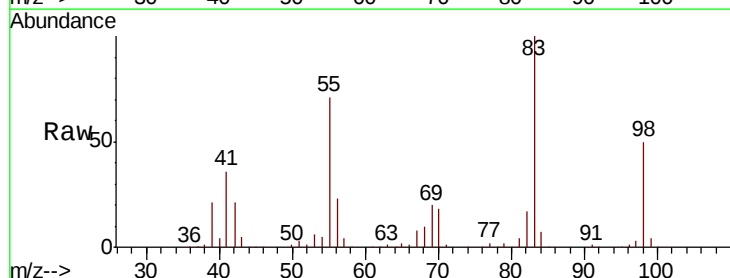
Tgt Ion: 83 Resp: 163204

Ion Ratio Lower Upper

83 100

55 70.6 57.6 86.4

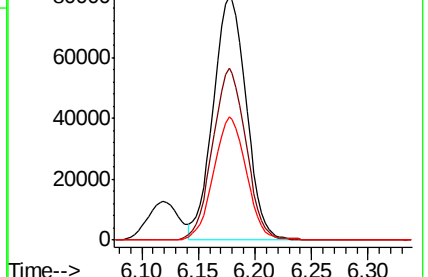
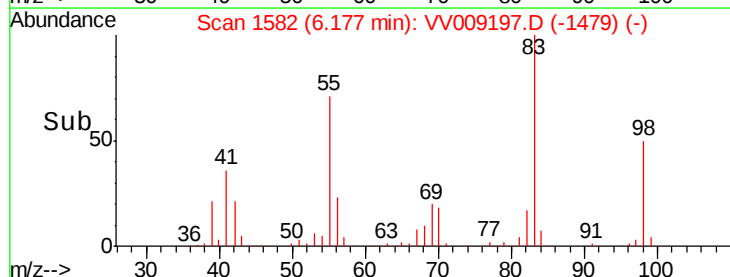
98 49.9 41.0 61.6

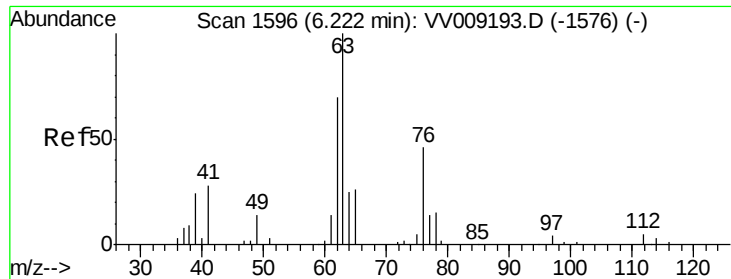


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

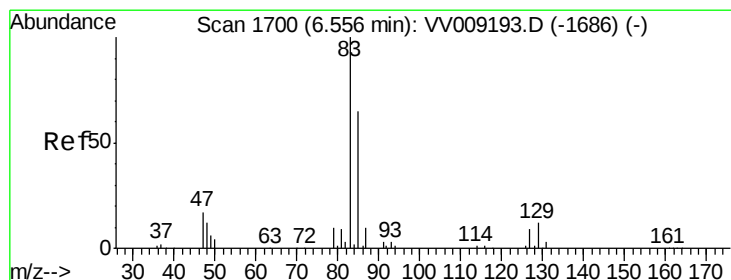
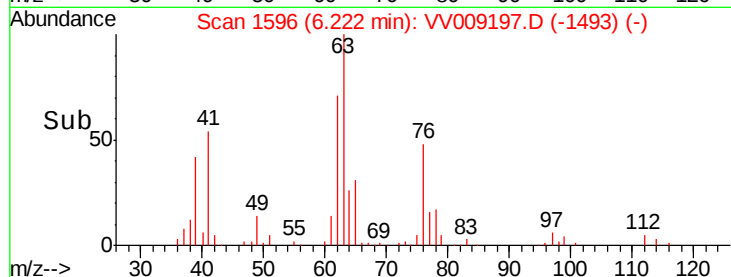
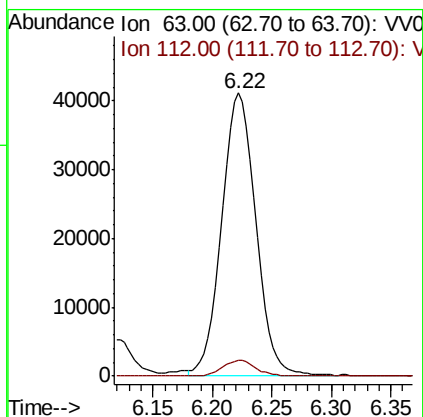
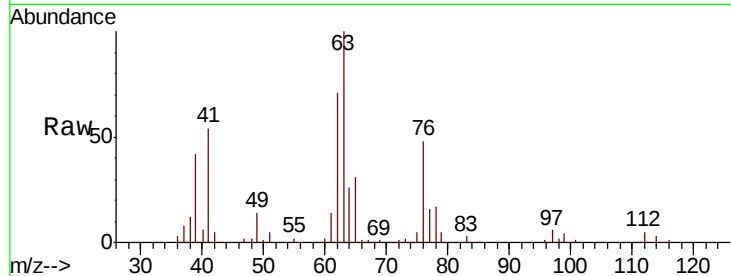




#40
 1,2-Dichloropropane
 Concen: 26.404 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

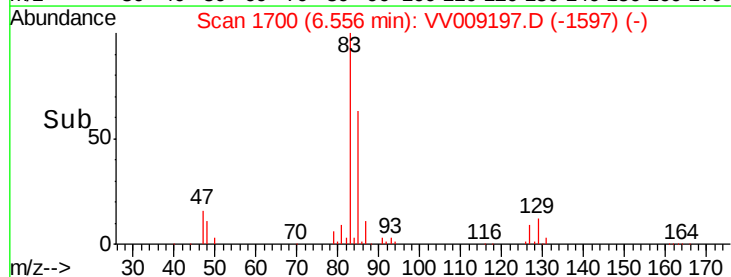
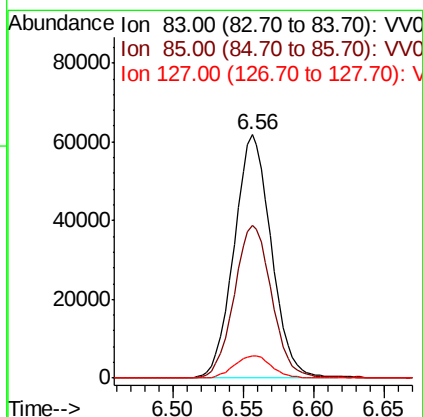
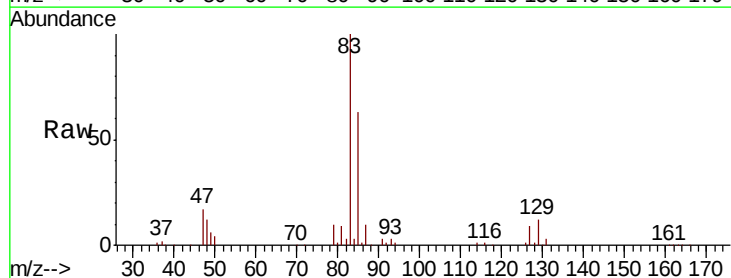
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

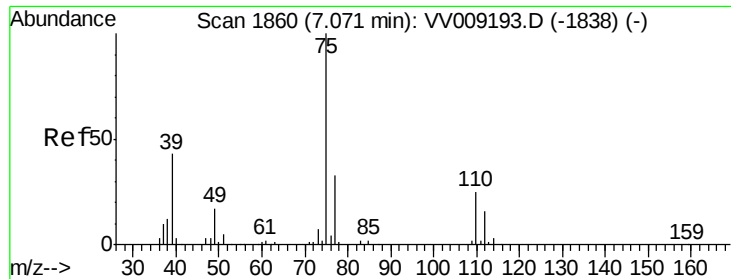
Tgt Ion: 63 Resp: 81453
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.1 6.1



#41
 Bromodichloromethane
 Concen: 26.955 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Tgt Ion: 83 Resp: 114351
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.4 84.4
 127 8.9 7.2 10.8

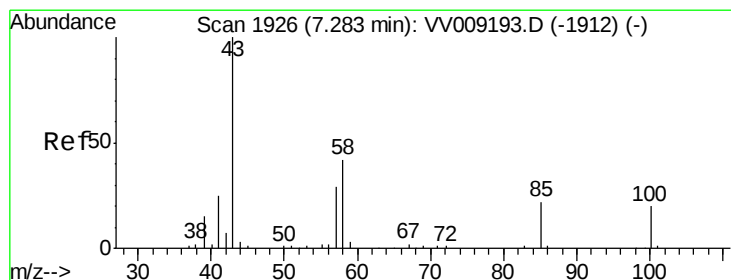
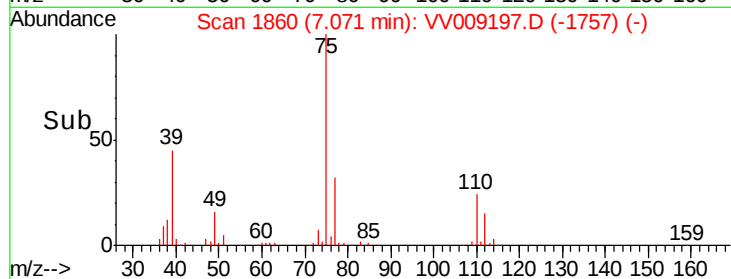
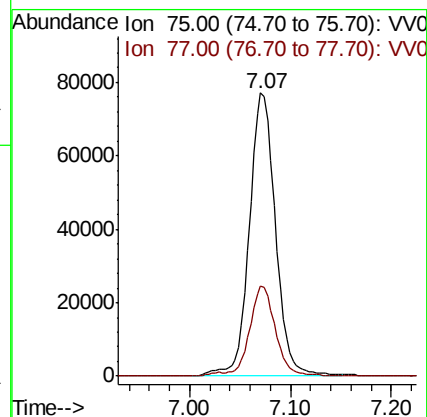
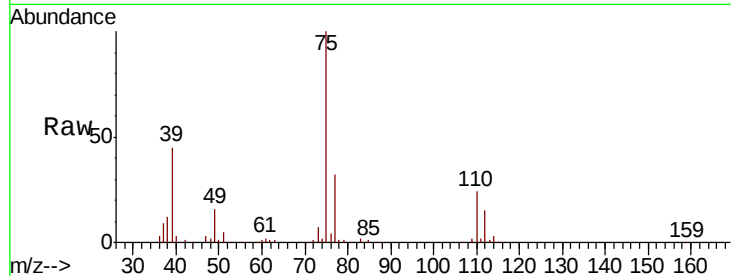




#42
 cis-1,3-Dichloropropene
 Concen: 28.547 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

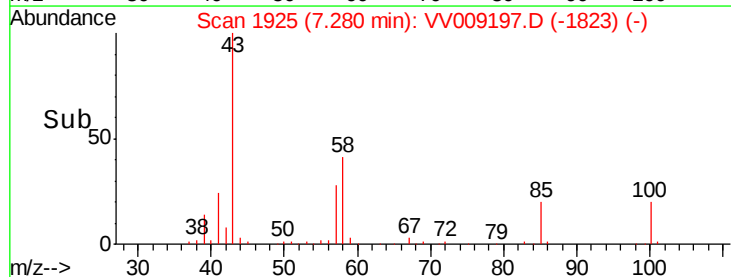
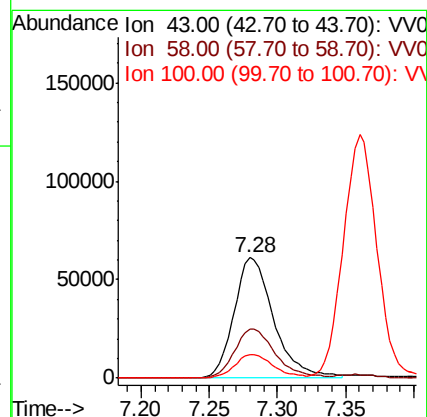
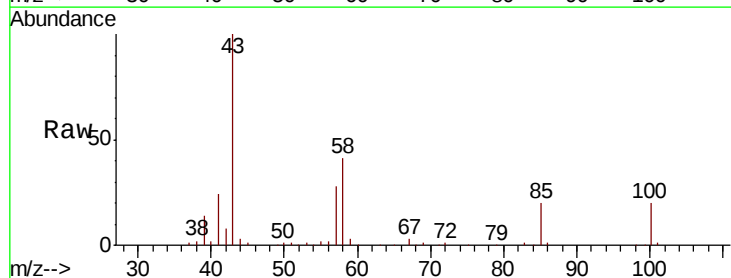
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

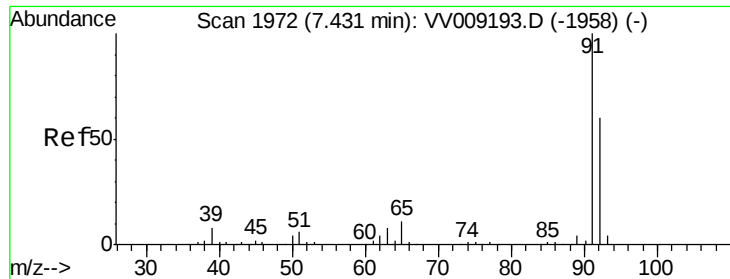
Tgt Ion: 75 Resp: 138358
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 51.091 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Tgt Ion: 43 Resp: 123892
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.8 49.2
 100 19.4 15.0 22.4





#44

Toluene

Concen: 27.010 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

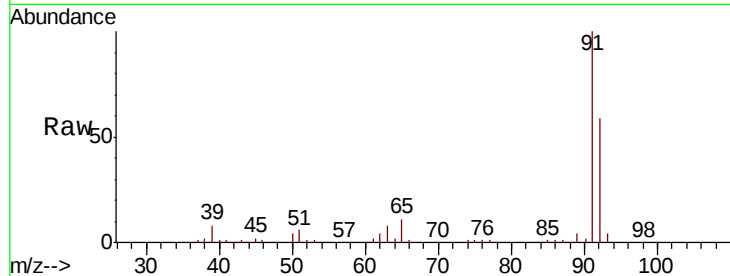
VSTD02562

Tgt Ion: 91 Resp: 367395

Ion Ratio Lower Upper

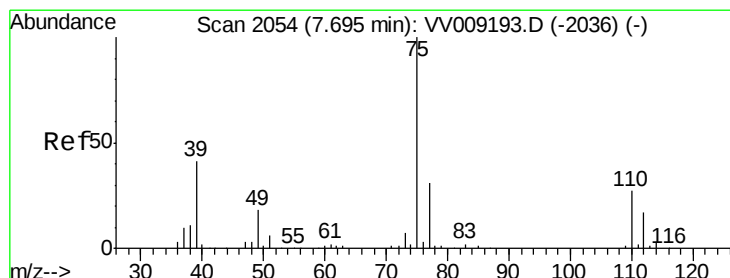
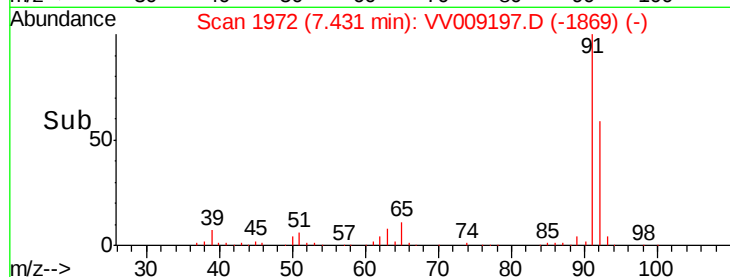
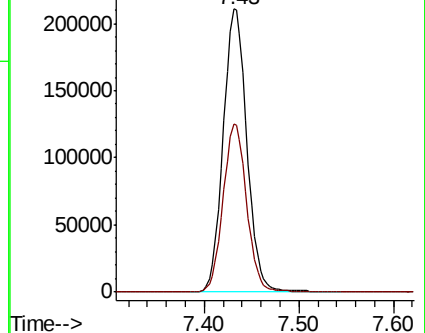
91 100

92 59.4 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VV009197.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009197.D (-1869) (-)



#45

trans-1,3-Dichloropropene

Concen: 28.567 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009197.D

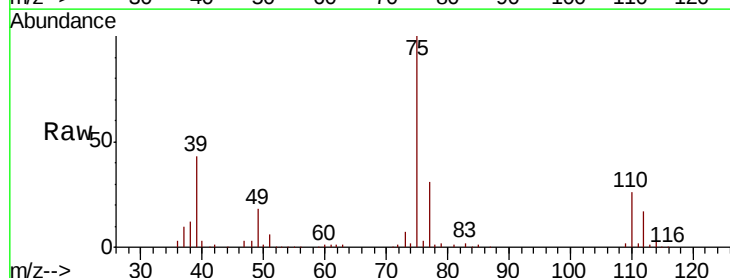
Acq: 08 Jan 2019 16:17

Tgt Ion: 75 Resp: 121903

Ion Ratio Lower Upper

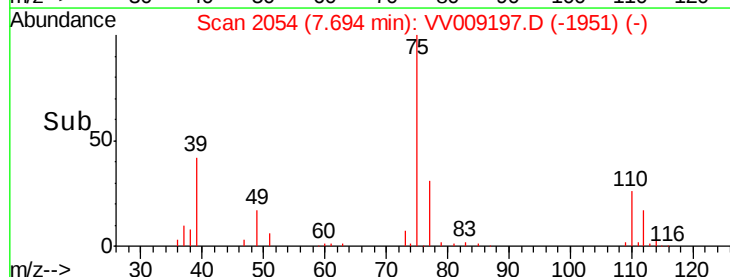
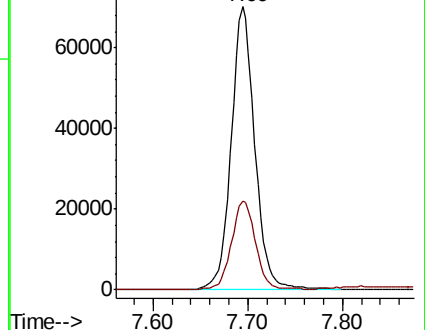
75 100

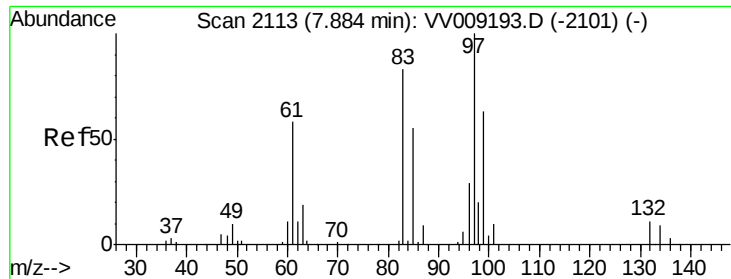
77 31.5 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV009197.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009197.D (-1951) (-)

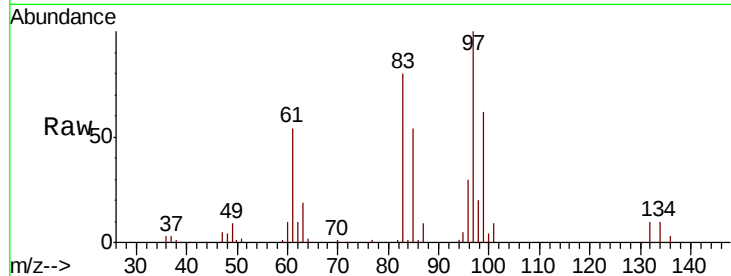




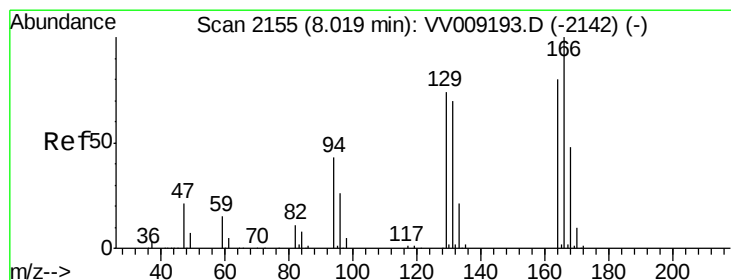
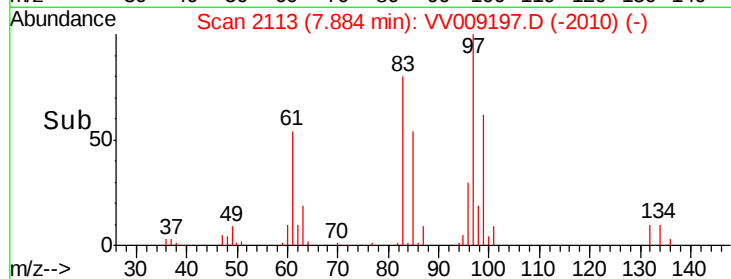
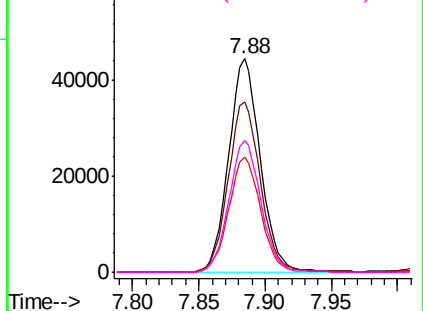
#46
 1,1,2-Trichloroethane
 Concen: 27.532 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

Tgt Ion: 97 Resp: 74039
 Ion Ratio Lower Upper
 97 100
 83 79.9 58.0 107.6
 85 53.7 38.4 71.4
 99 61.9 44.0 81.6



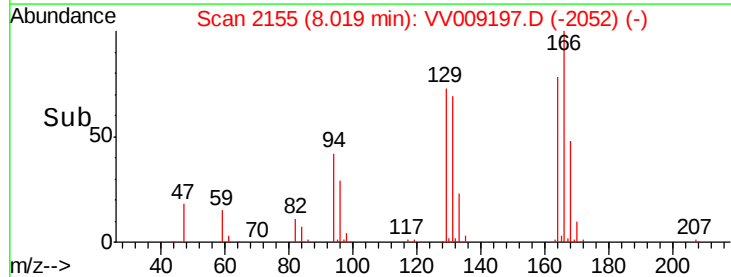
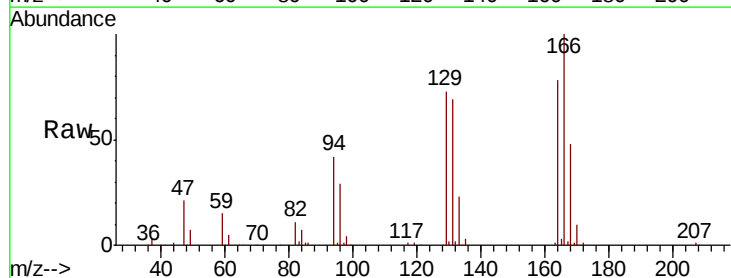
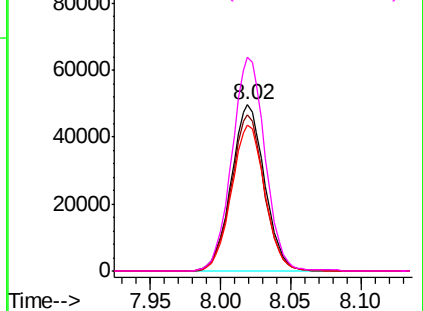
Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0

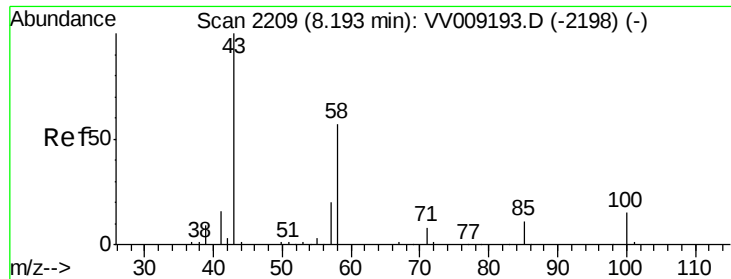


#47
 Tetrachloroethene
 Concen: 26.431 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Tgt Ion: 164 Resp: 82417
 Ion Ratio Lower Upper
 164 100
 129 94.0 65.3 121.3
 131 88.2 61.8 114.8
 166 128.5 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

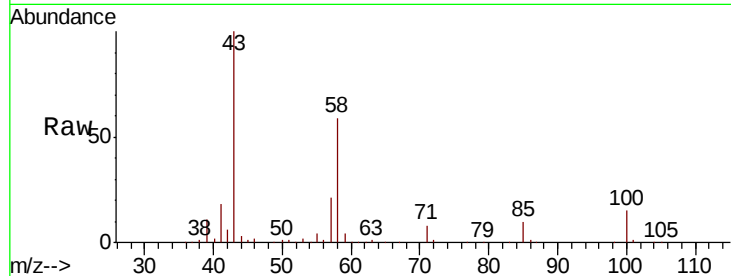




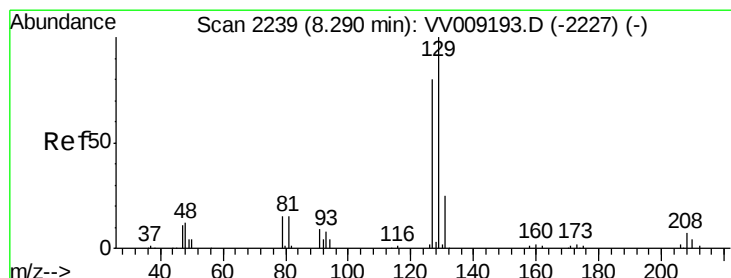
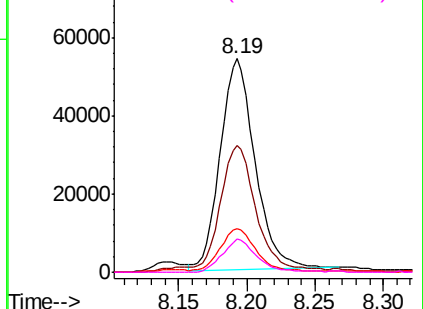
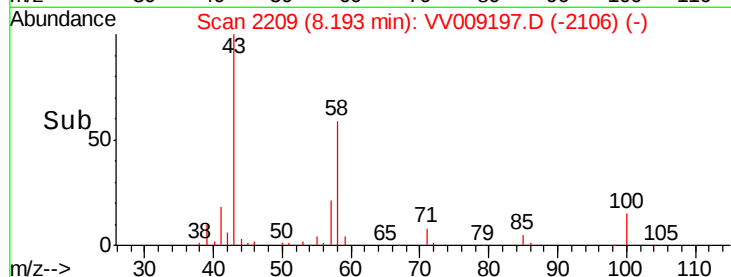
#49
2-Hexanone
Concen: 50.101 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV009197.D
Acq: 08 Jan 2019 16:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

Tgt Ion:	43	Resp:	96205
Ion	Ratio	Lower	Upper
43	100		
58	58.8	48.4	72.6
57	19.9	15.6	23.4
100	15.4	12.4	18.6

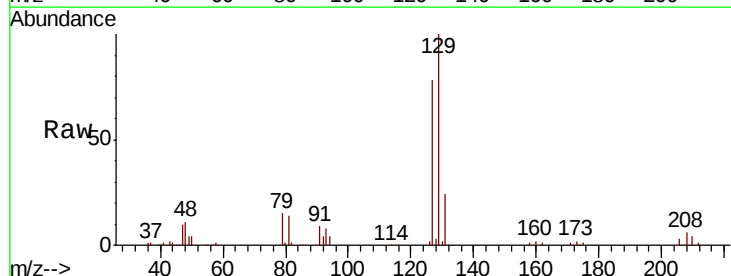


Abundance Ion 43.00 (42.70 to 43.70): VV009197.D (-2106) (-)

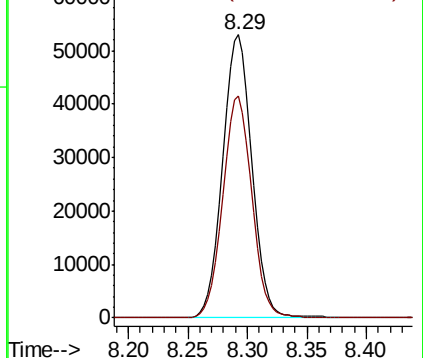
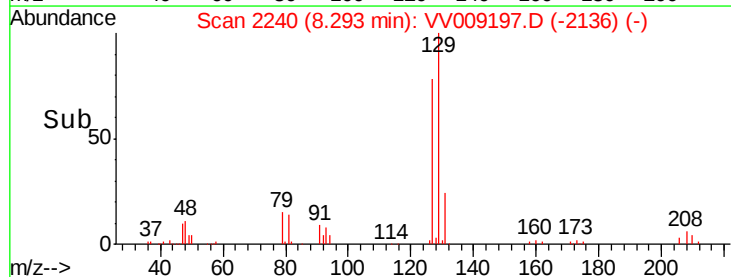


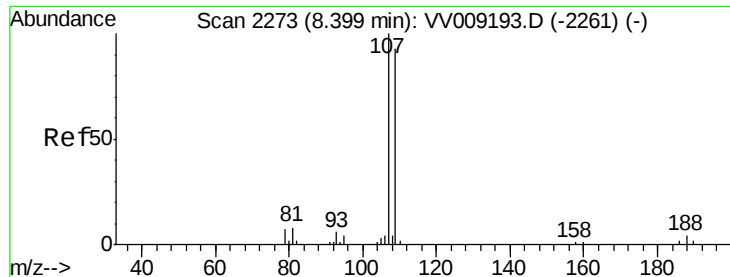
#50
Dibromochloromethane
Concen: 27.593 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009197.D
Acq: 08 Jan 2019 16:17

Tgt Ion:	129	Resp:	90497
Ion	Ratio	Lower	Upper
129	100		
127	78.2	55.9	103.9



Abundance Ion 129.00 (128.70 to 129.70): VV009197.D (-2136) (-)





#51

1,2-Dibromoethane

Concen: 26.946 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

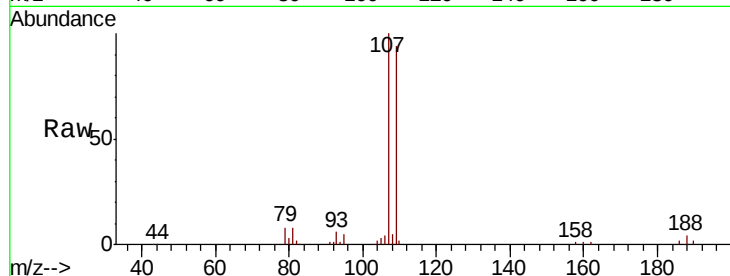
Tgt Ion:107 Resp: 73971

Ion Ratio Lower Upper

107 100

109 94.2 65.0 120.6

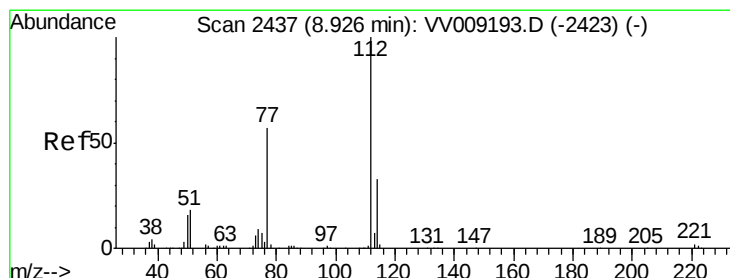
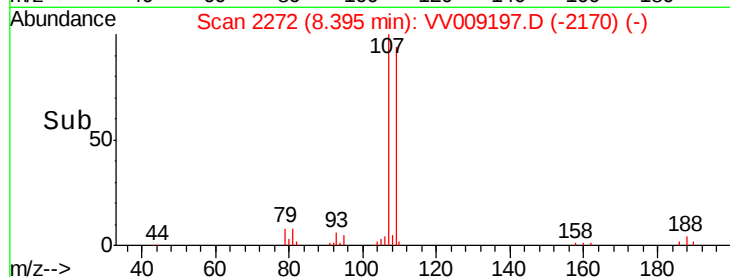
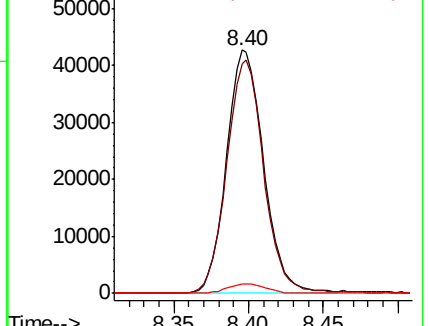
188 3.8 3.0 4.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 26.863 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

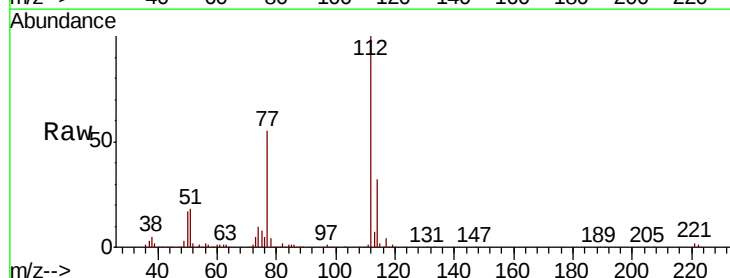
Tgt Ion:112 Resp: 251219

Ion Ratio Lower Upper

112 100

77 54.5 45.4 68.2

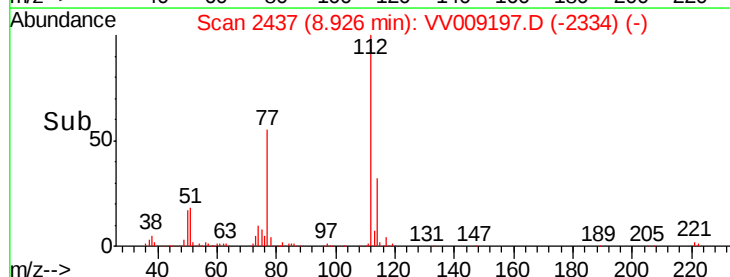
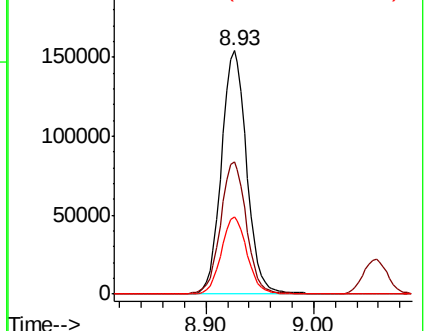
114 31.9 22.9 42.5

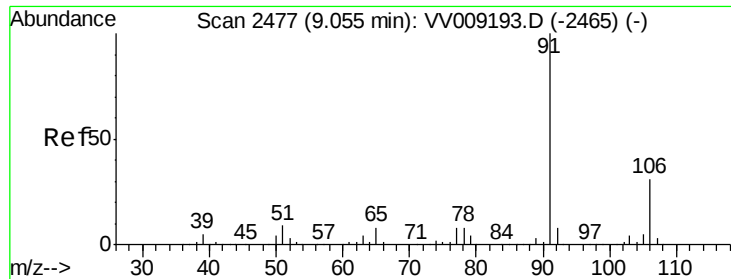


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 27.175 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

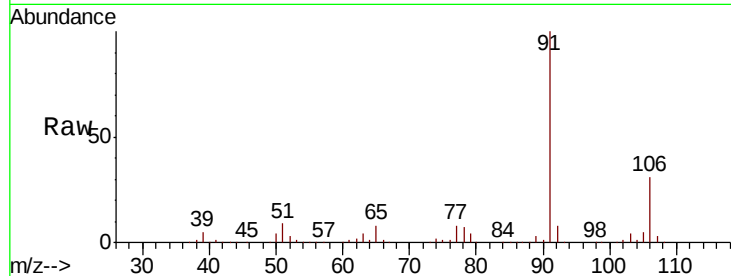
VSTD02562

Tgt Ion: 91 Resp: 417627

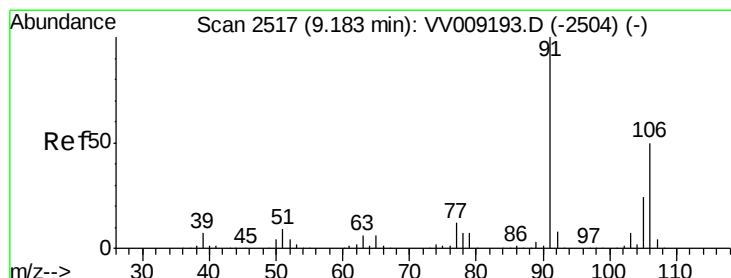
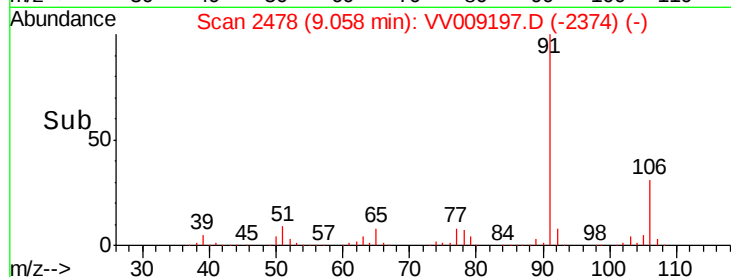
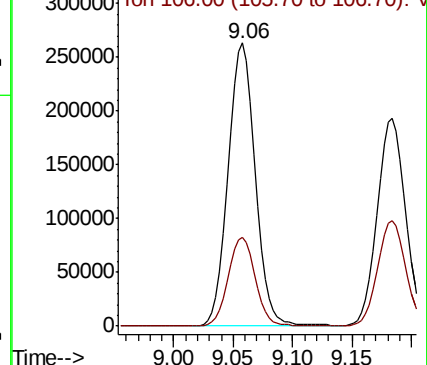
Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV009197.D (-2465) (-)



#54

m,p-Xylene

Concen: 26.976 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009197.D

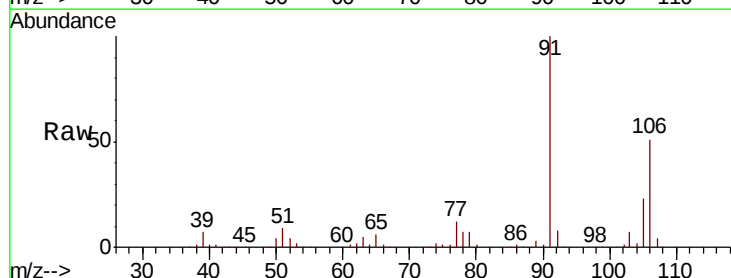
Acq: 08 Jan 2019 16:17

Tgt Ion: 106 Resp: 160160

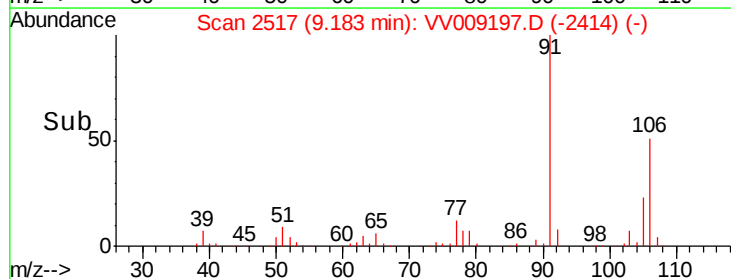
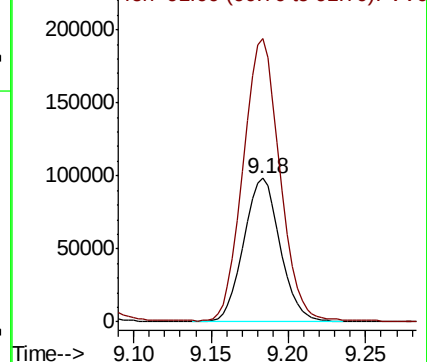
Ion Ratio Lower Upper

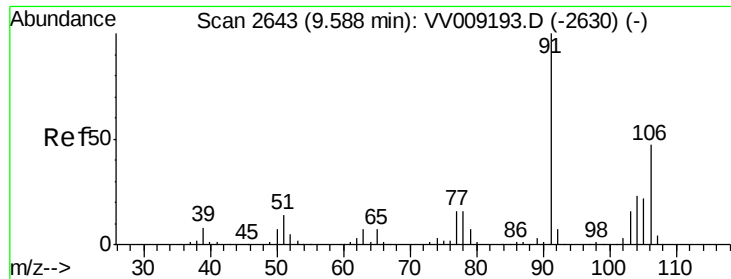
106 100

91 197.2 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): VV009197.D (-2504) (-)

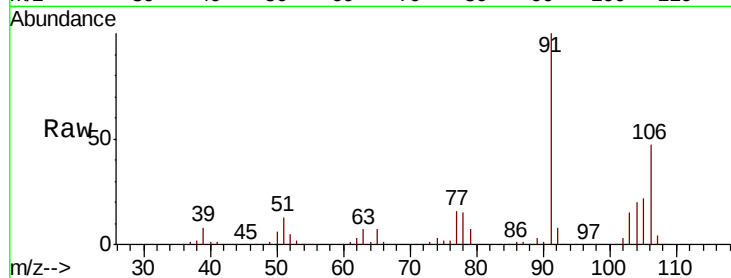




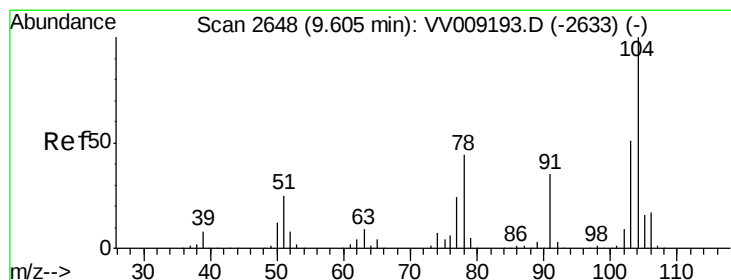
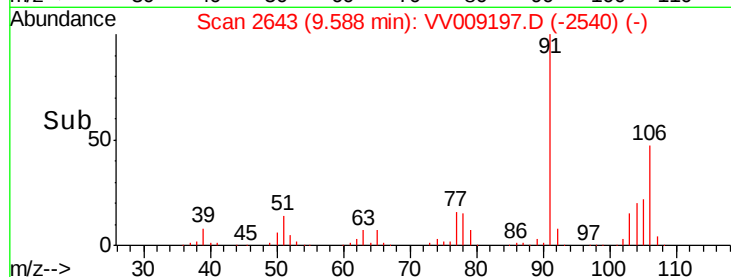
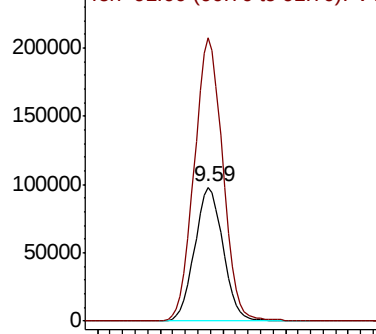
#55
o-xylene
Concen: 27.455 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009197.D
Acq: 08 Jan 2019 16:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

Tgt Ion:106 Resp: 155056
Ion Ratio Lower Upper
106 100
91 211.6 148.0 274.8

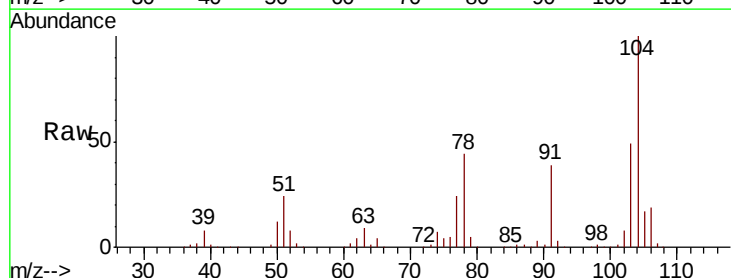


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

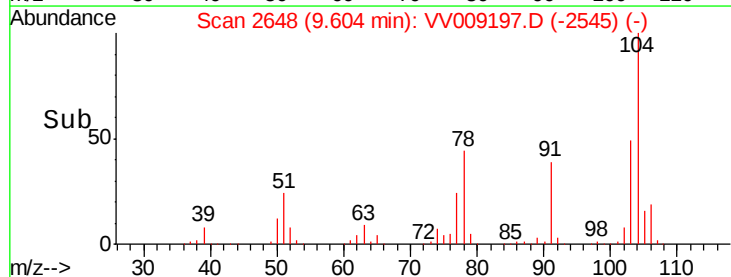
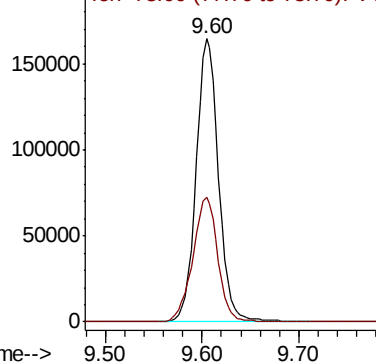


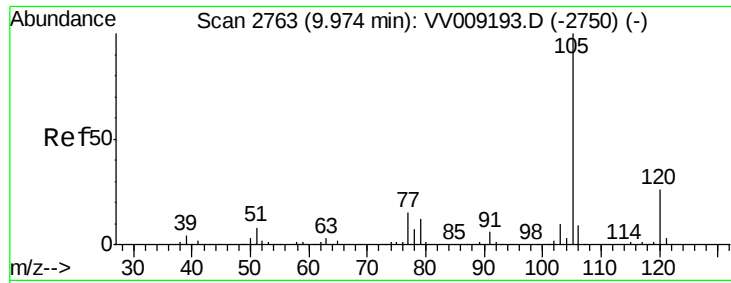
#56
Styrene
Concen: 28.073 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009197.D
Acq: 08 Jan 2019 16:17

Tgt Ion:104 Resp: 263743
Ion Ratio Lower Upper
104 100
78 44.2 30.9 57.5



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





#57

Isopropylbenzene

Concen: 27.487 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

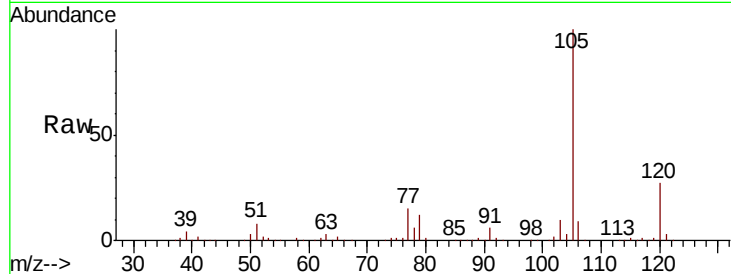
Tgt Ion:105 Resp: 421700

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

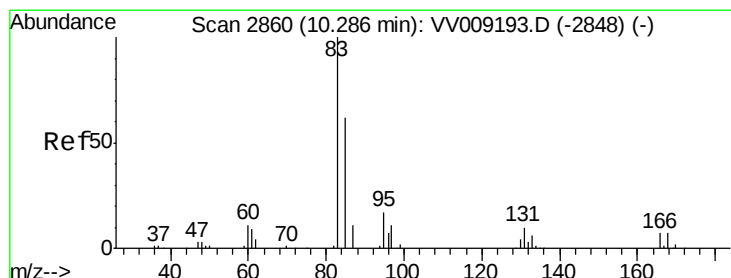
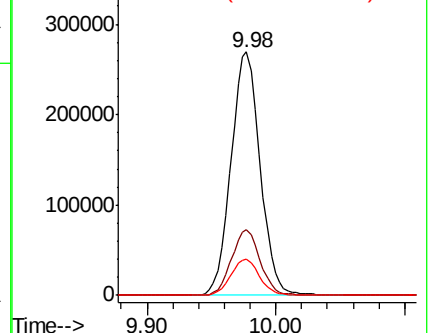
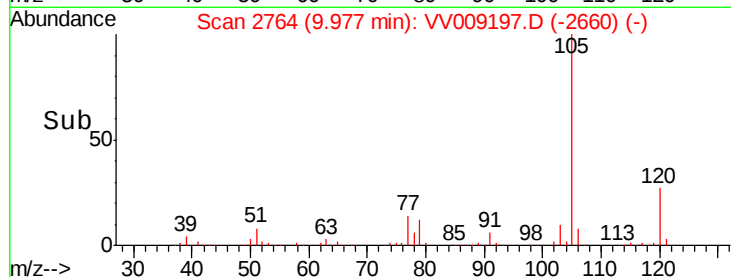
77 14.7 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VV009197.D (-2660) (-)

Ion 120.00 (119.70 to 120.70): VV009197.D (-2660) (-)

Ion 77.00 (76.70 to 77.70): VV009197.D (-2660) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 27.661 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

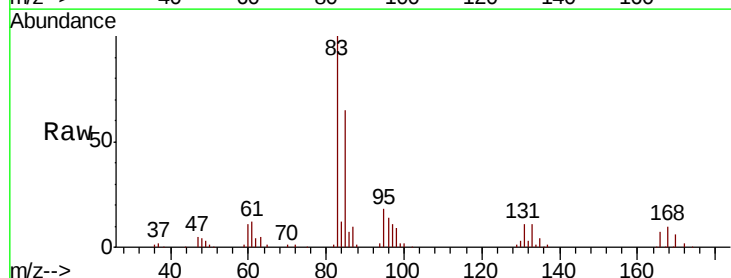
Tgt Ion: 83 Resp: 92877

Ion Ratio Lower Upper

83 100

85 65.2 43.7 81.1

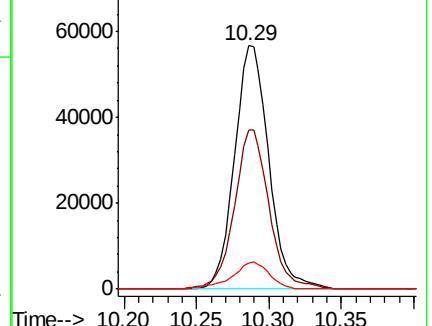
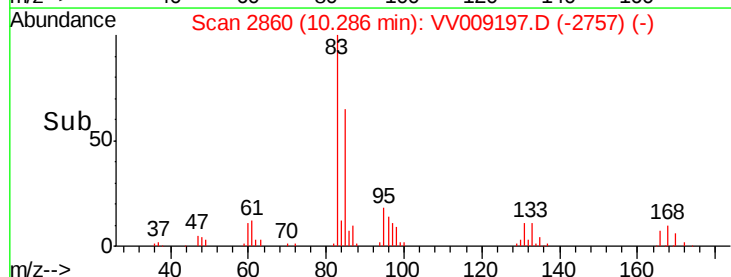
131 10.9 8.5 12.7

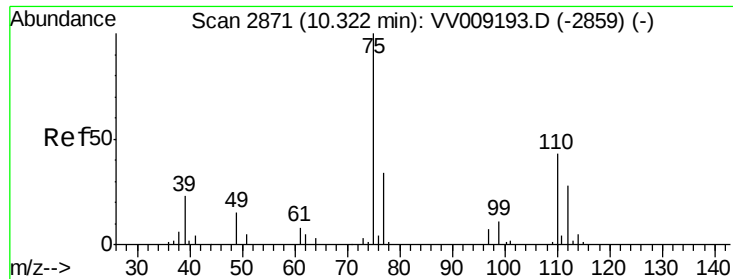


Abundance Ion 83.00 (82.70 to 83.70): VV009197.D (-2757) (-)

Ion 85.00 (84.70 to 85.70): VV009197.D (-2757) (-)

Ion 131.00 (130.70 to 131.70): VV009197.D (-2757) (-)

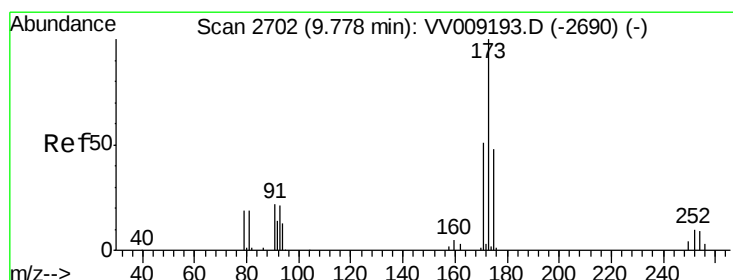
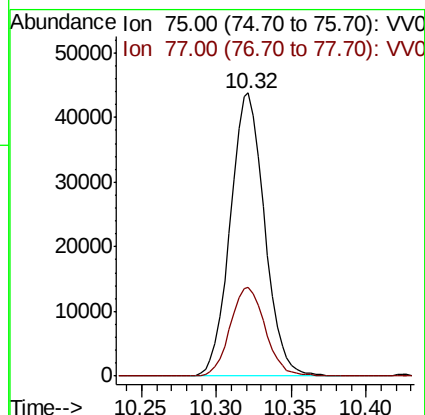
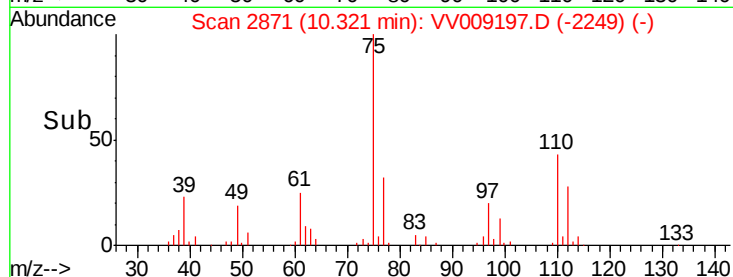
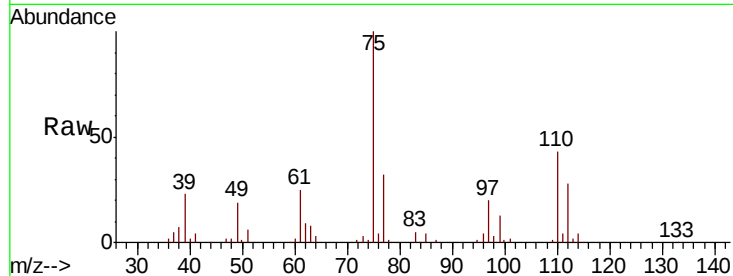




#59
 1,2,3-Trichloropropane
 Concen: 26.385 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

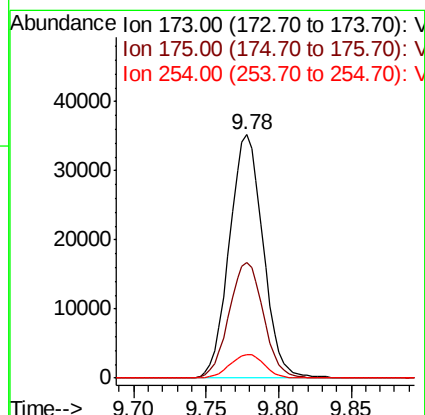
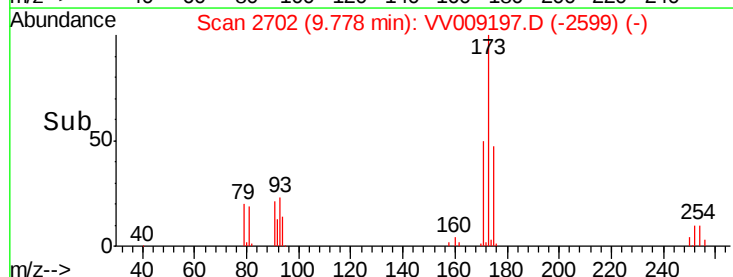
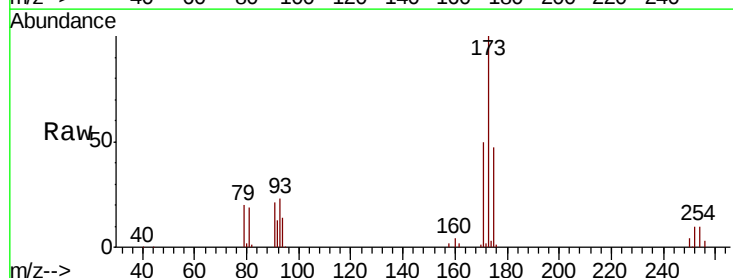
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

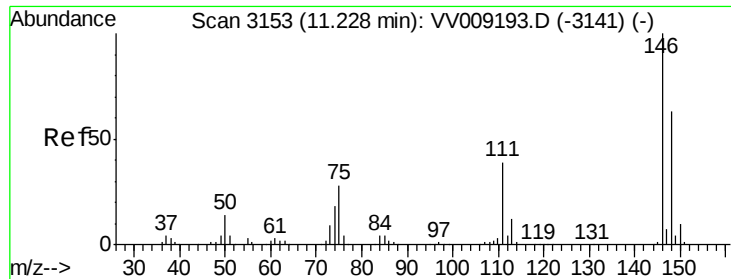
Tgt Ion: 75 Resp: 69844
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.3 39.5



#62
 Bromoform
 Concen: 26.866 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Tgt Ion: 173 Resp: 56999
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.0 57.0
 254 9.8 7.7 11.5





#63

1,3-Dichlorobenzene

Concen: 26.140 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

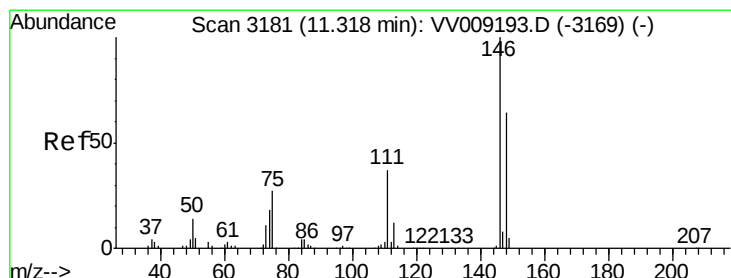
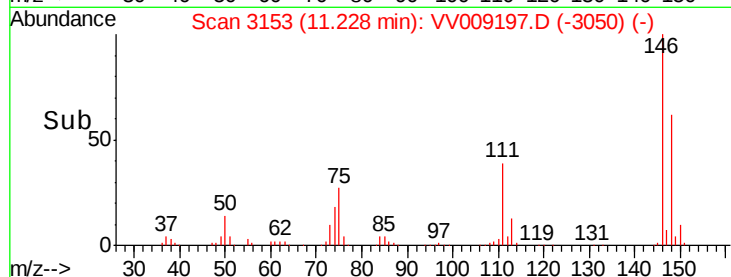
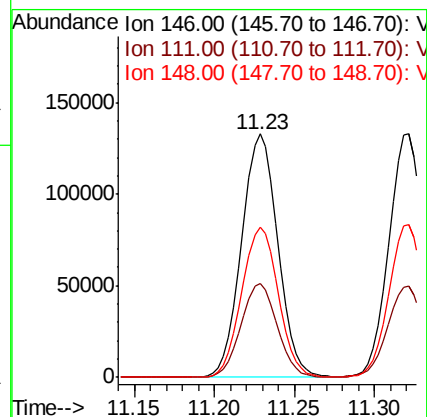
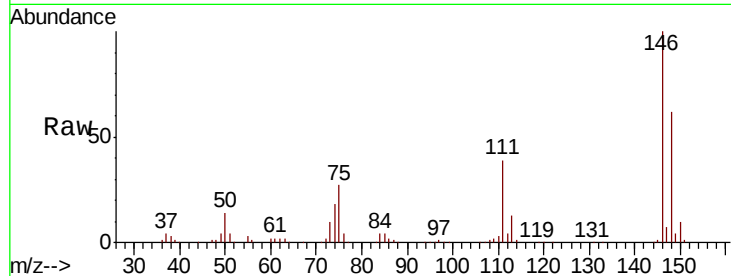
Tgt Ion:146 Resp: 204823

Ion Ratio Lower Upper

146 100

111 38.7 27.2 50.6

148 61.7 43.8 81.4



#64

1,4-Dichlorobenzene

Concen: 26.034 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

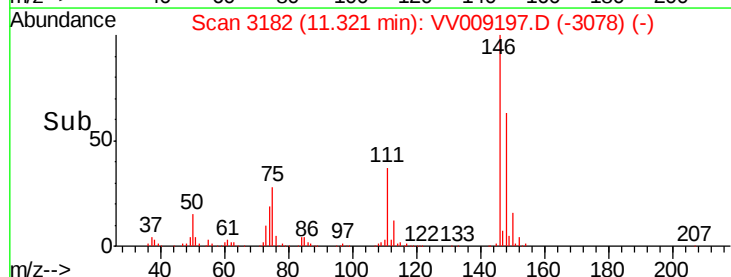
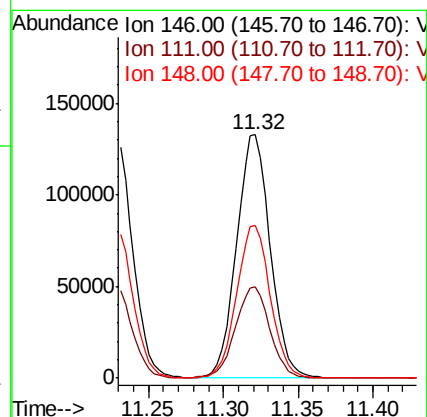
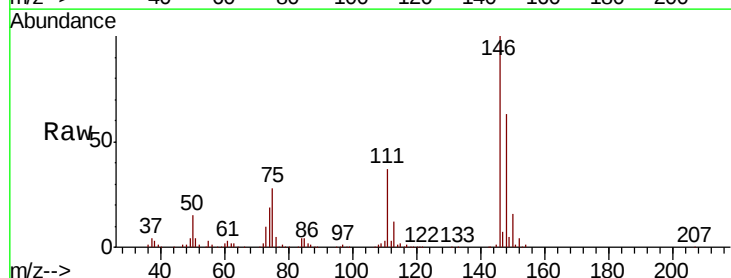
Tgt Ion:146 Resp: 207875

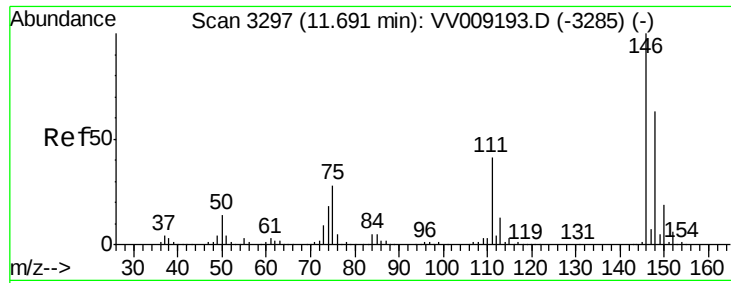
Ion Ratio Lower Upper

146 100

111 37.4 26.4 49.0

148 62.7 44.9 83.3

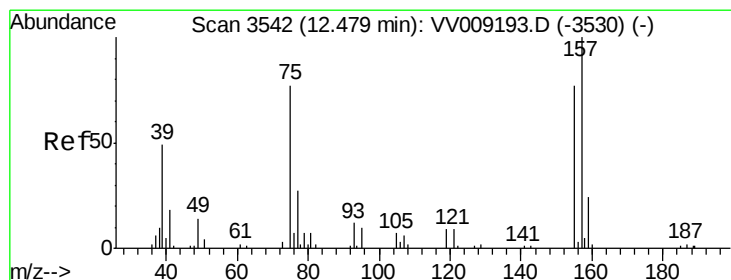
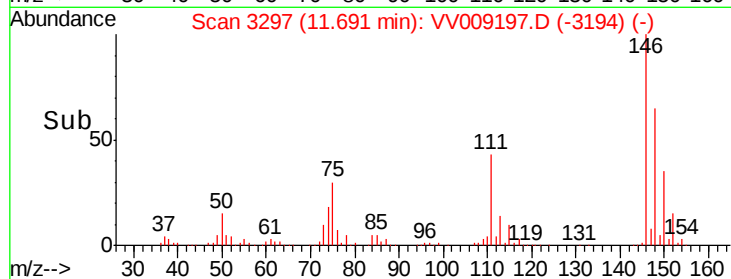
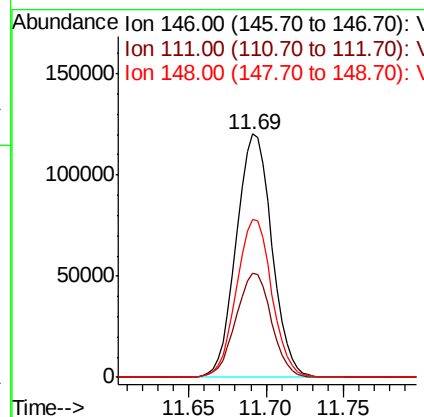
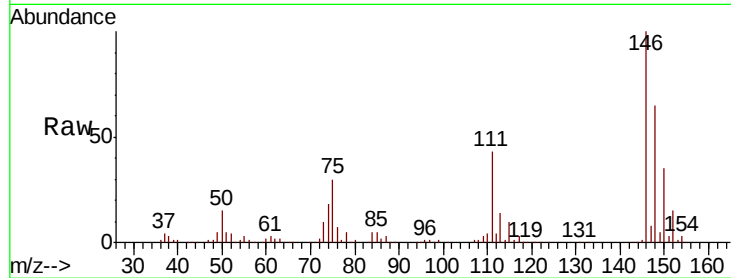




#65
 1,2-Dichlorobenzene
 Concen: 26.016 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

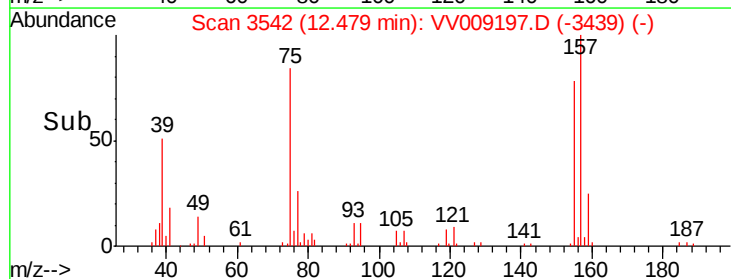
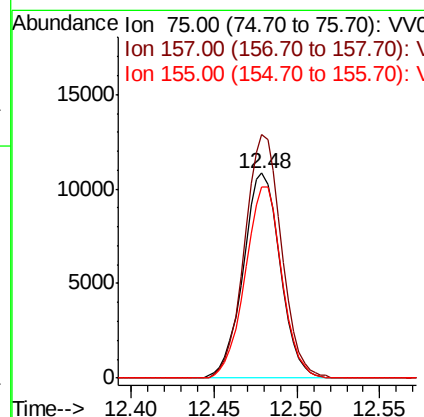
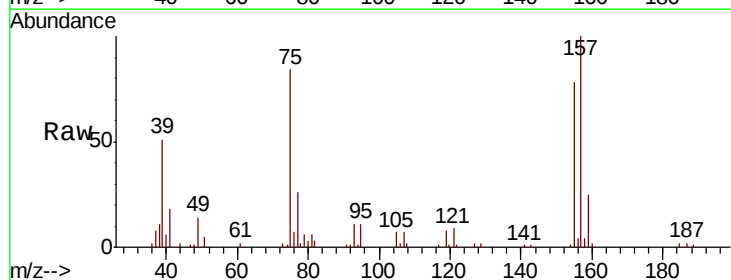
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

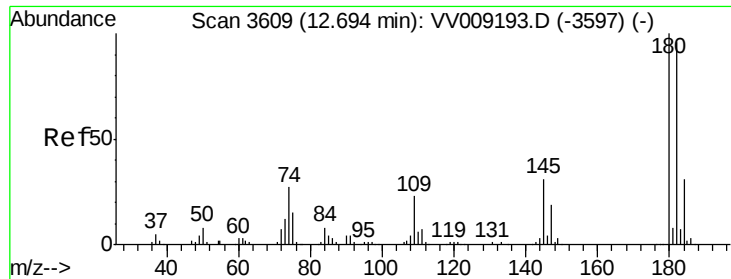
Tgt Ion: 146 Resp: 192454
 Ion Ratio Lower Upper
 146 100
 111 42.6 33.0 49.4
 148 64.7 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.395 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Tgt Ion: 75 Resp: 16845
 Ion Ratio Lower Upper
 75 100
 157 118.9 104.6 156.8
 155 93.3 80.1 120.1

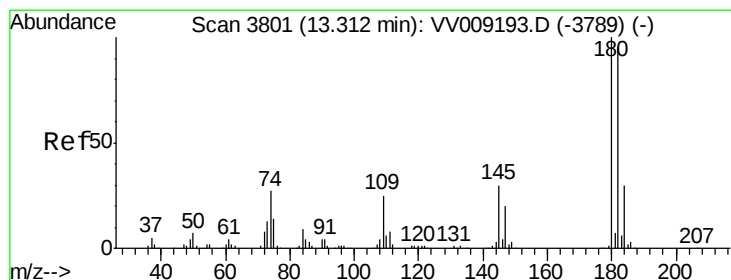
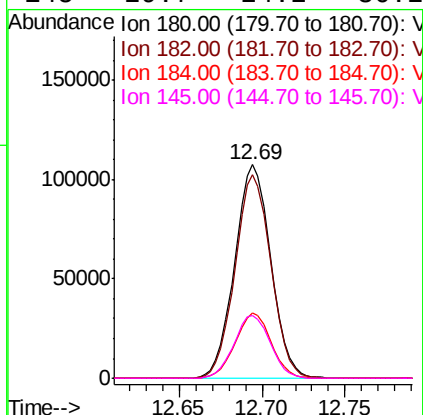
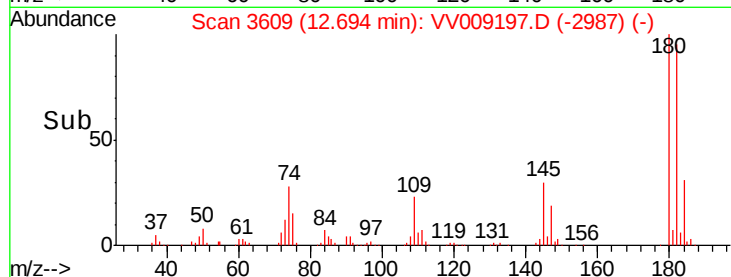
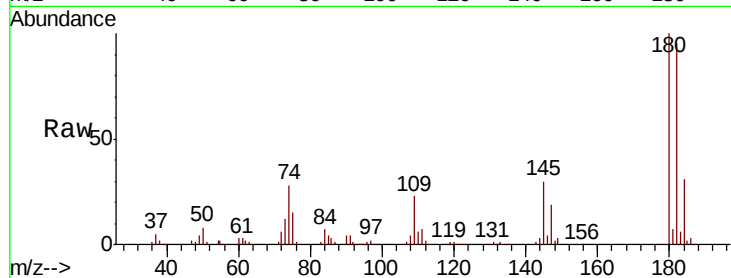




#67
 1,3,5-Trichlorobenzene
 Concen: 26.079 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

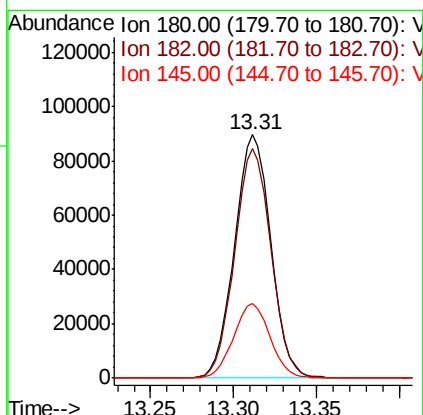
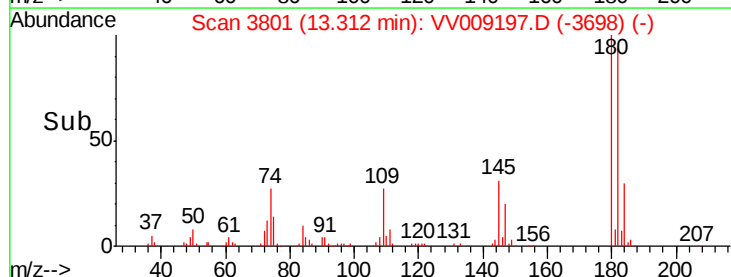
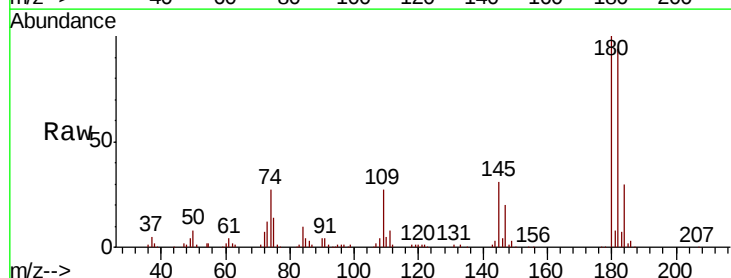
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

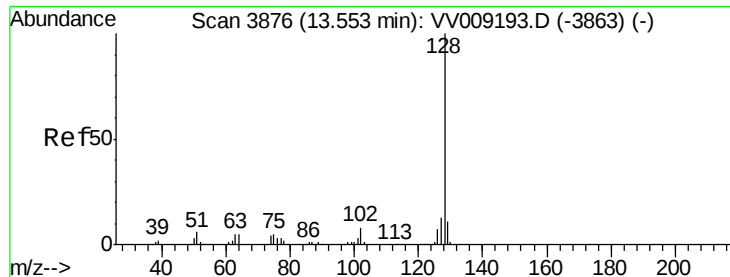
Tgt Ion:180 Resp: 162684
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.4 114.6
 184 30.2 24.5 36.7
 145 29.7 24.2 36.2



#68
 1,2,4-trichlorobenzene
 Concen: 26.962 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009197.D
 Acq: 08 Jan 2019 16:17

Tgt Ion:180 Resp: 136236
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.7 113.5
 145 31.0 24.5 36.7





#69

Naphthalene

Concen: 27.900 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

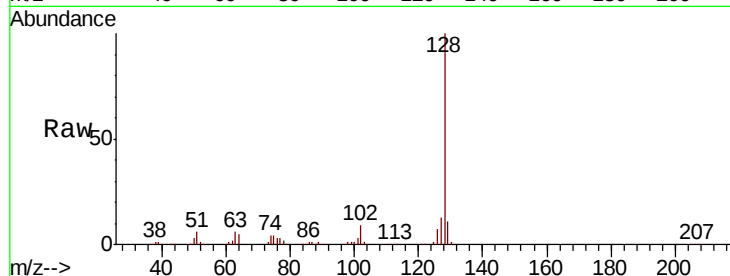
Tgt Ion:128 Resp: 271421

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

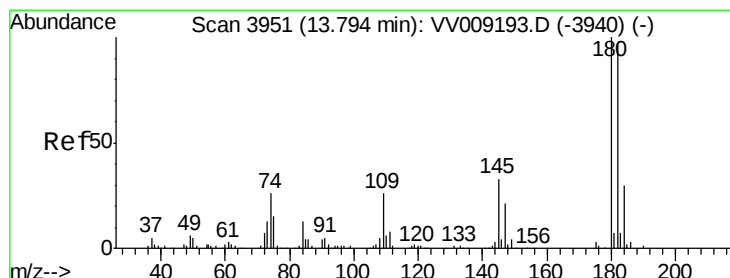
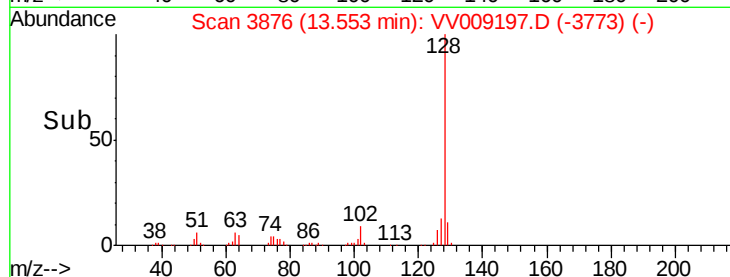
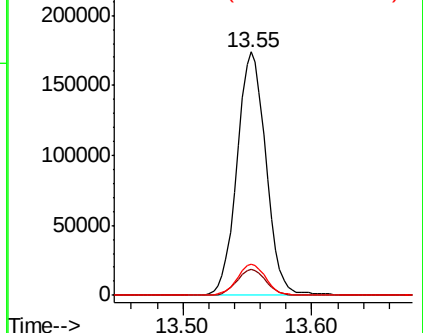
127 12.9 10.6 15.8



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: 27.244 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009197.D

Acq: 08 Jan 2019 16:17

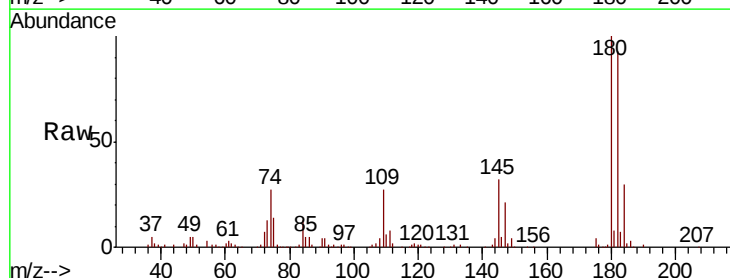
Tgt Ion:180 Resp: 125685

Ion Ratio Lower Upper

180 100

182 94.9 76.8 115.2

145 32.5 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

