

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032319\
 Data File : VV009850.D
 Acq On : 23 Mar 2019 15:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 23 22:01:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 23 03:53:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	98957	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	100178	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	48285	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48414	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.58	69	51224	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.14	63	133585	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	3.95	46	61518	44.45	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.90%
24) Chloroform-d	4.40	84	58461	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	27096	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.10	84	117868	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.12	67	34118	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.36	98	117185	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.67	79	11505	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.14	63	52712	42.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.62%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26643	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	38939	4.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	37916	4.247 ug/L	93
3) Chloromethane	1.25	50	48420	3.712 ug/L	100
5) Vinyl chloride	1.33	62	60401	4.206 ug/L	99
6) Bromomethane	1.54	94	40376	4.600 ug/L	98
8) Chloroethane	1.60	64	42458	4.260 ug/L	100
9) Trichlorofluoromethane	1.77	101	126358	4.208 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70243	4.727 ug/L	97
12) 1,1-Dichloroethene	2.15	96	63124	4.784 ug/L	87
13) Acetone	2.19	43	81376	45.391 ug/L #	51
14) Carbon disulfide	2.32	76	166332	4.558 ug/L	99
15) Methyl Acetate	2.46	43	21401	5.025 ug/L	95
16) Methylene chloride	2.54	84	63004	4.222 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	151735	4.978 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	70559	4.976 ug/L	92
19) 1,1-Dichloroethane	3.23	63	55311	2.247 ug/L	95
21) 2-Butanone	4.03	43	61852	43.911 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	31376	4.574 ug/L	98

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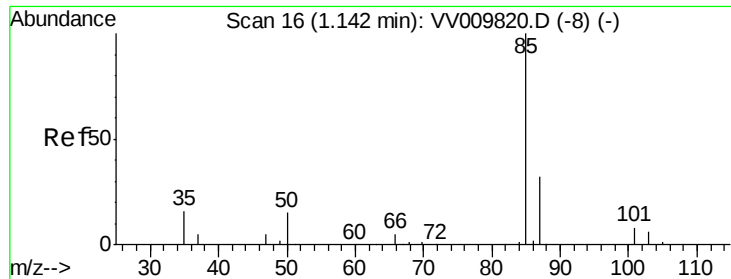
Instrument :
 MSVOA_V
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	12627	4.540	ug/L #	92
25) Chloroform	4.43	83	57848	4.824	ug/L	100
27) 1,2-Dichloroethane	5.18	62	33551	4.597	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	45745	4.231	ug/L	95
30) Cyclohexane	4.72	56	46450	4.145	ug/L	98
31) Carbon tetrachloride	4.87	117	41139	4.419	ug/L	98
33) Benzene	5.14	78	125488	4.460	ug/L	100
34) Trichloroethene	5.96	95	30951	4.349	ug/L	91
35) Methylcyclohexane	6.17	83	48360	3.970	ug/L	95
37) 1,2-Dichloropropane	6.22	63	29903	4.252	ug/L	98
38) Bromodichloromethane	6.56	83	36135	4.345	ug/L	92
39) cis-1,3-Dichloropropene	7.07	75	40384	4.245	ug/L	90
40) 4-Methyl-2-pentanone	7.28	43	172867	42.065	ug/L	93
42) Toluene	7.43	91	142877	4.488	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	29985	3.942	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	20543	4.291	ug/L	97
47) Tetrachloroethene	8.02	164	26492	4.310	ug/L	90
48) 2-Hexanone	8.19	43	122388	42.331	ug/L	97
49) Dibromochloromethane	8.29	129	22852	4.129	ug/L	99
50) 1,2-Dibromoethane	8.40	107	19823	4.434	ug/L #	91
51) Chlorobenzene	8.93	112	88916	4.362	ug/L	98
52) Ethylbenzene	9.05	91	151492	4.319	ug/L	97
53) m,p-xylene	9.18	106	59049	4.430	ug/L	100
54) o-xylene	9.59	106	54303	4.170	ug/L	96
55) Styrene	9.60	104	92117	4.351	ug/L	94
56) Isopropylbenzene	9.97	105	148913	4.331	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	26110	4.402	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	18467	4.520	ug/L	95
61) Bromoform	9.78	173	9842	3.854	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	63991	4.165	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	68432	4.402	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	64054	4.430	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	3538	4.575	ug/L #	69
67) 1,3,5-Trichlorobenzene	12.69	180	49508	4.256	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	38066	4.365	ug/L	98
69) Naphthalene	13.55	128	54445	3.977	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	36353	4.491	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.247 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

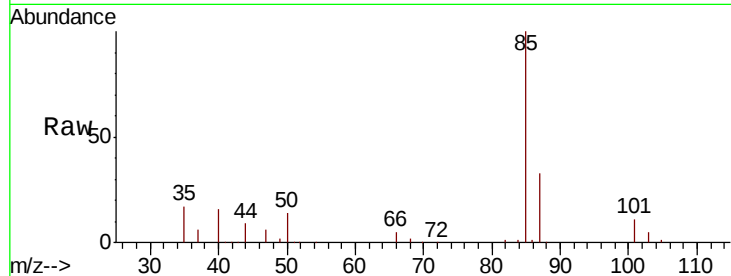
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 37916

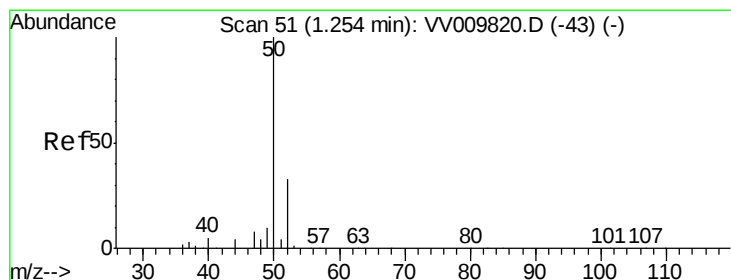
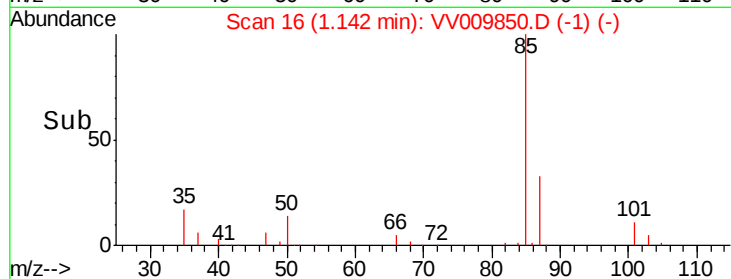
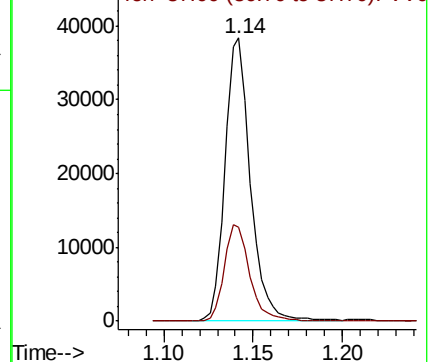
Ion Ratio Lower Upper

85 100

87 34.2 24.4 36.6



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 3.712 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009850.D

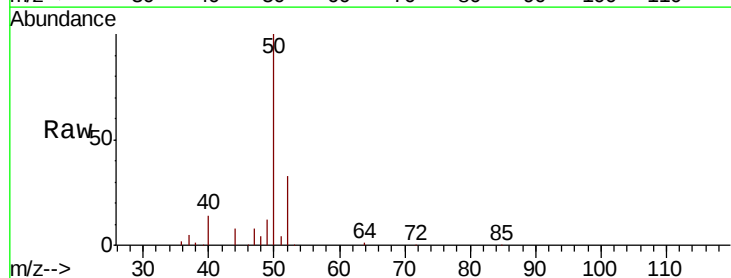
Acq: 23 Mar 2019 15:51

Tgt Ion: 50 Resp: 48420

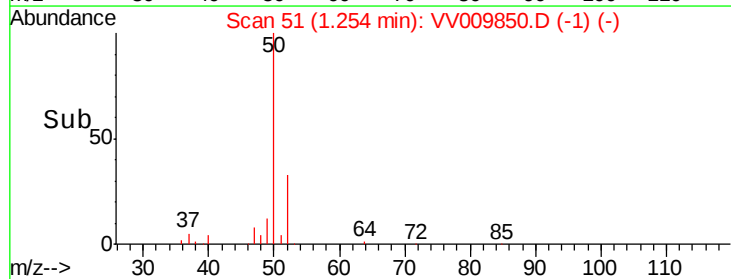
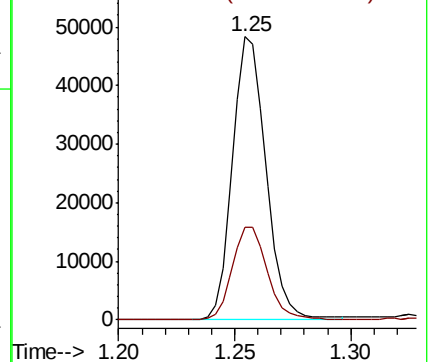
Ion Ratio Lower Upper

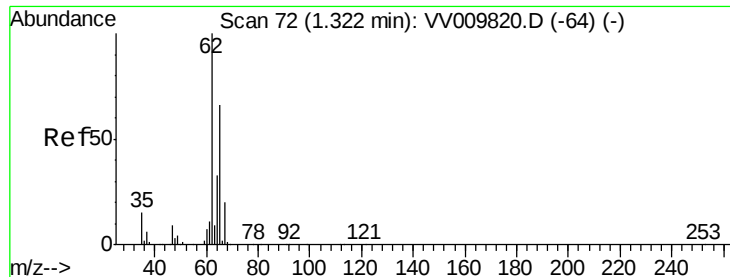
50 100

52 32.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.206 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Instrument :

MSVOA_V

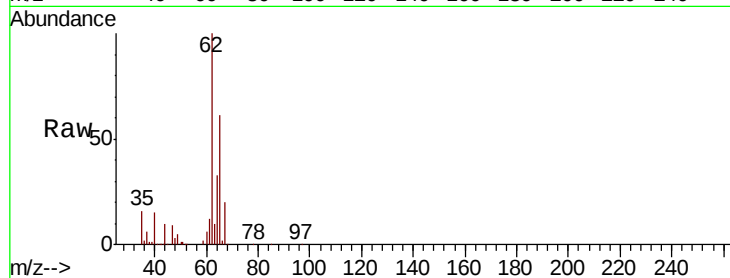
ClientSampleId :

Tot Ion: 62 Resp: 60401

Ion Ratio Lower Upper

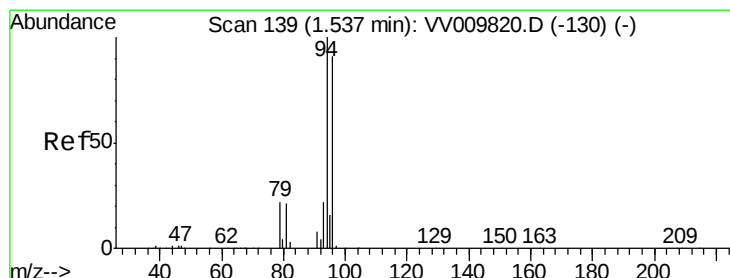
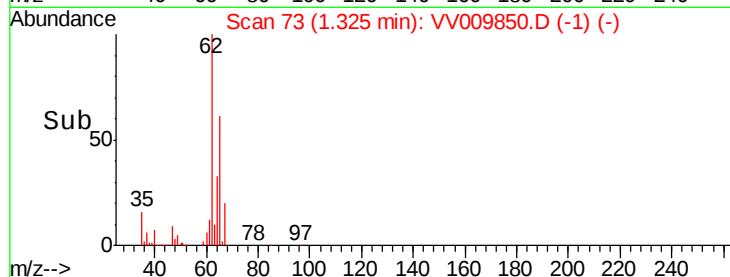
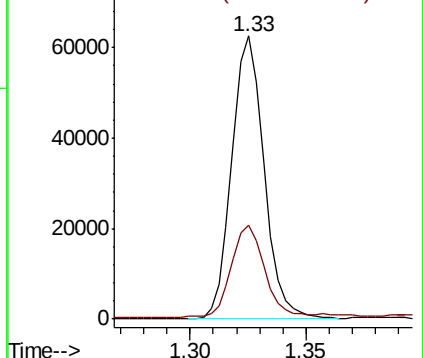
62 100

64 33.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV009820.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009820.D (-64) (-)



#6

Bromomethane

Concen: 4.600 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV009850.D

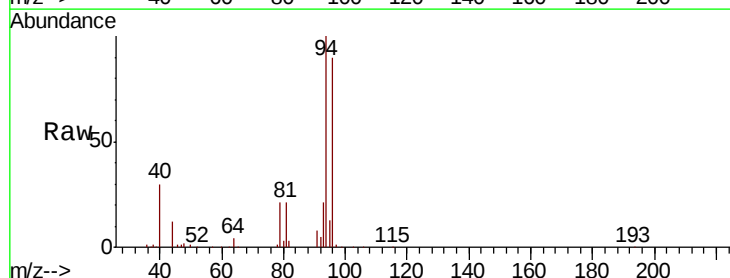
Acq: 23 Mar 2019 15:51

Tgt Ion: 94 Resp: 40376

Ion Ratio Lower Upper

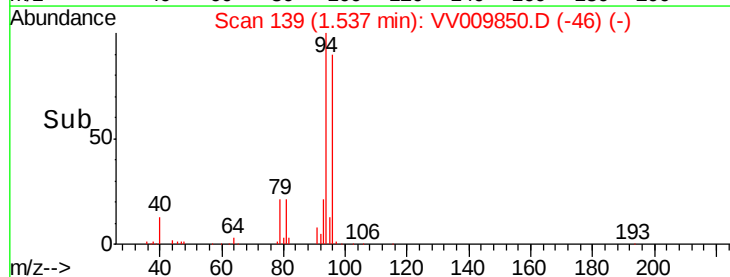
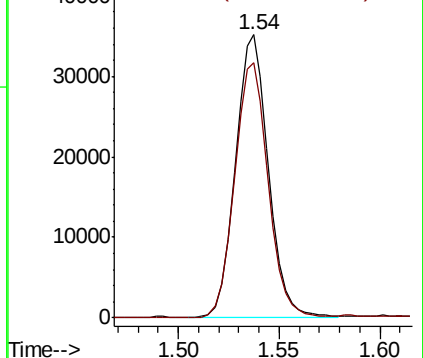
94 100

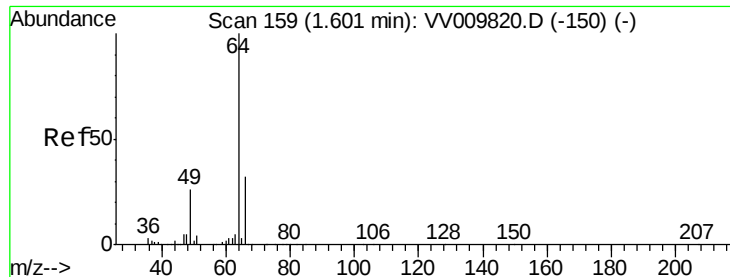
96 90.3 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV009820.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009820.D (-130) (-)





#8

Chloroethane

Concen: 4.260 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Instrument :

MSVOA_V

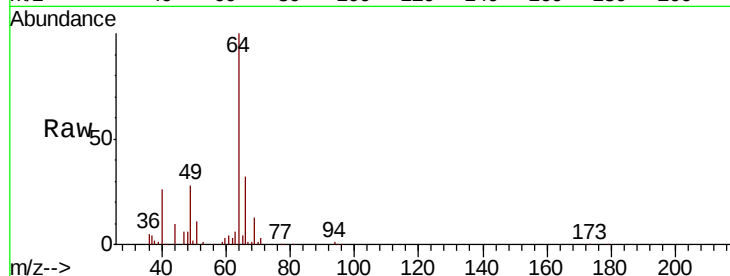
ClientSampleId :

Tot Ion: 64 Resp: 42458

Ion Ratio Lower Upper

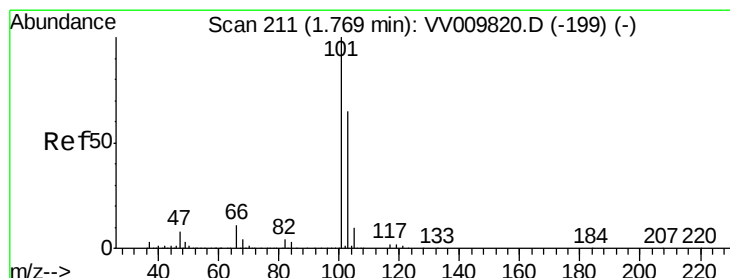
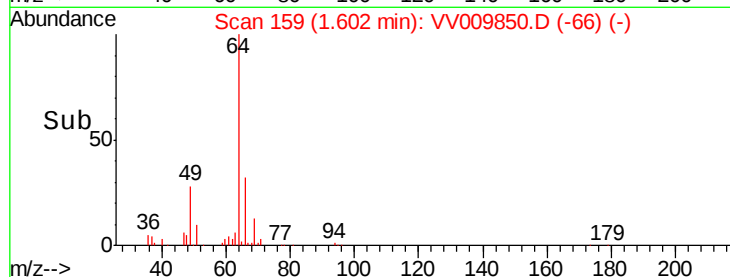
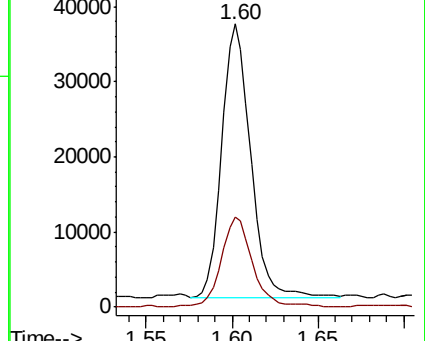
64 100

66 31.8 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VV009850.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV009850.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 4.208 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV009850.D

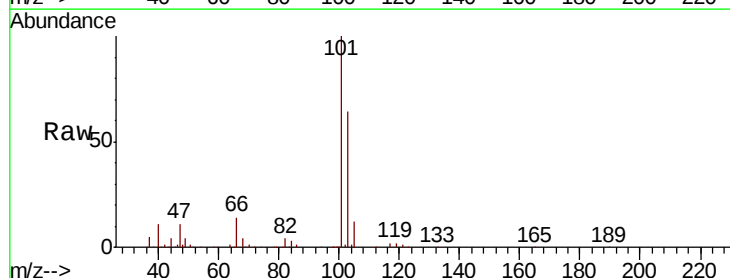
Acq: 23 Mar 2019 15:51

Tgt Ion:101 Resp: 126358

Ion Ratio Lower Upper

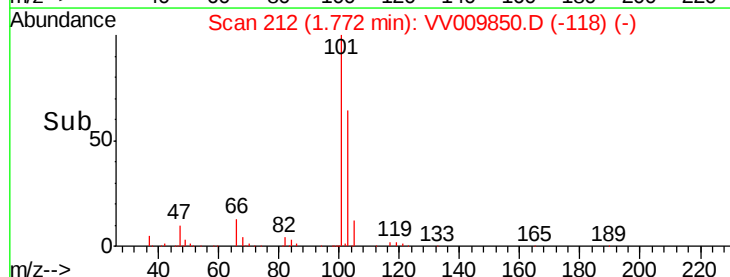
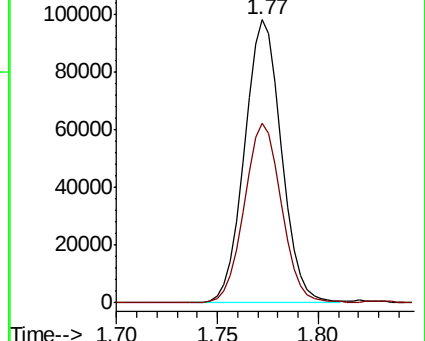
101 100

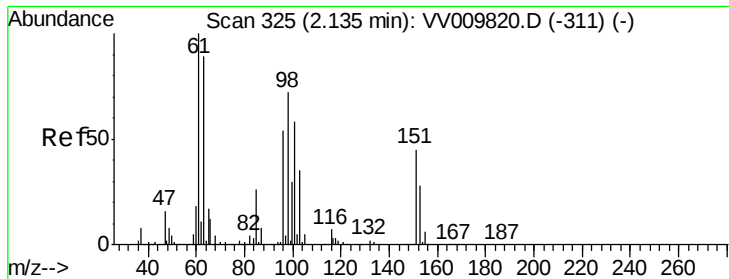
103 64.0 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV009850.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV009850.D (-199) (-)





#10

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

Concen: 4.727 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

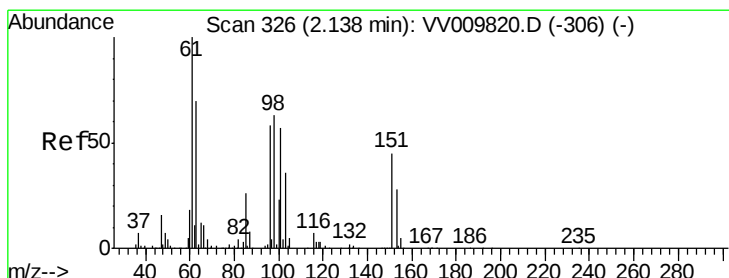
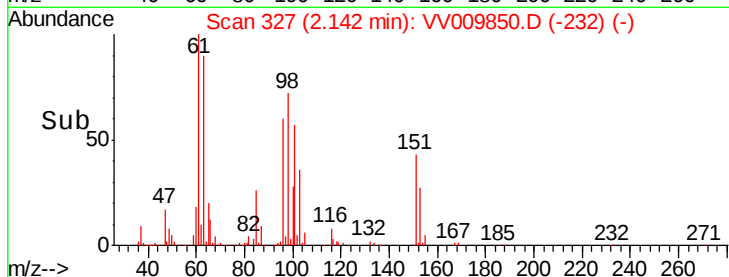
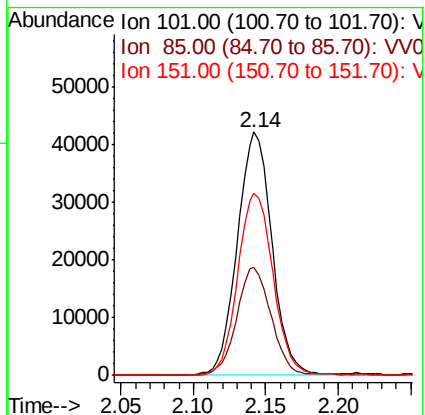
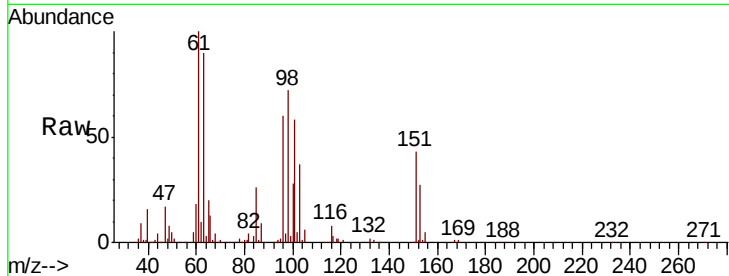
Tot Ion:101 Resp: 70243

Ion Ratio Lower Upper

101 100

85 44.1 39.2 58.8

151 76.3 61.1 91.7



#12

1,1-Dichloroethene

Concen: 4.784 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

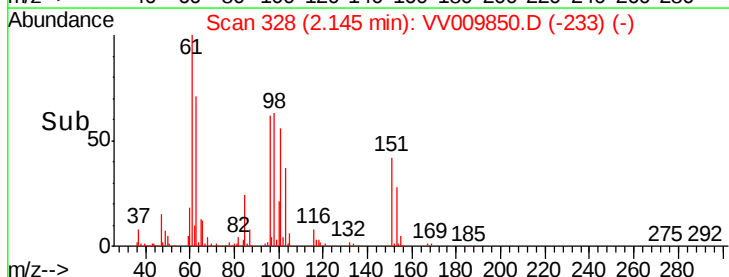
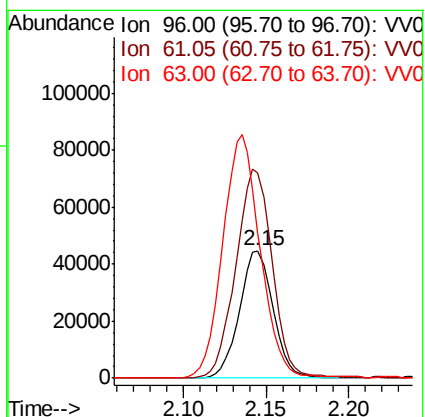
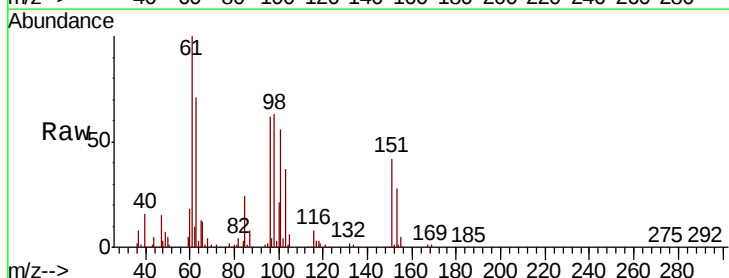
Tgt Ion: 96 Resp: 63124

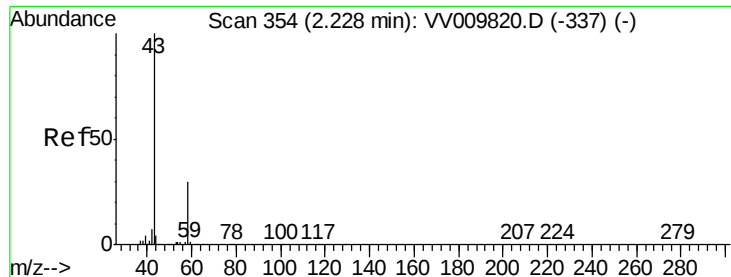
Ion Ratio Lower Upper

96 100

61 161.3 127.1 236.0

63 113.8 88.8 164.8





#13

Acetone

Concen: 45.391 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.04 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

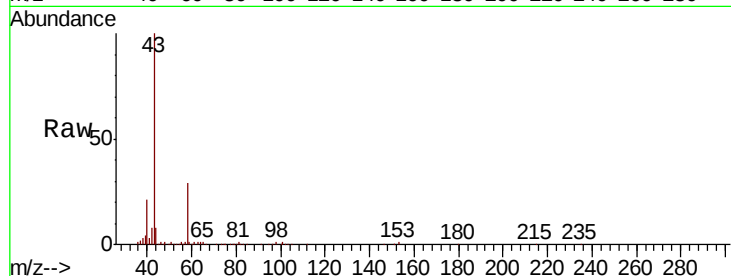
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 81376

Ion Ratio Lower Upper

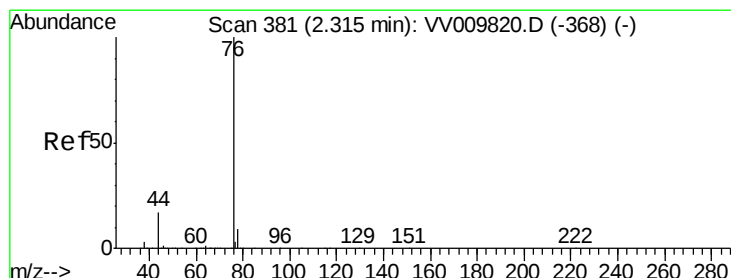
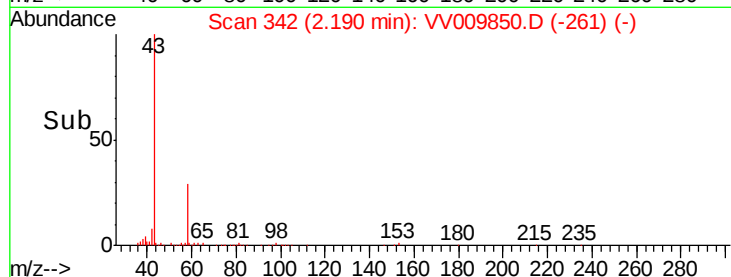
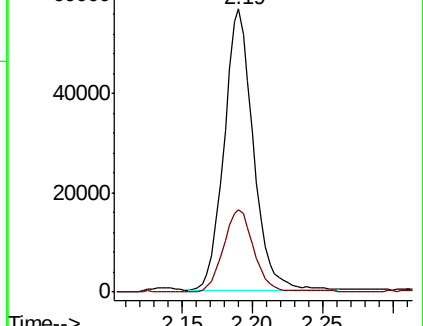
43 100

58 30.5 0.0 23.0#



Abundance Ion 43.05 (42.75 to 43.75): VV009850.D (-342) (-)

Ion 58.05 (57.75 to 58.75): VV009850.D (-342) (-)



#14

Carbon disulfide

Concen: 4.558 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV009850.D

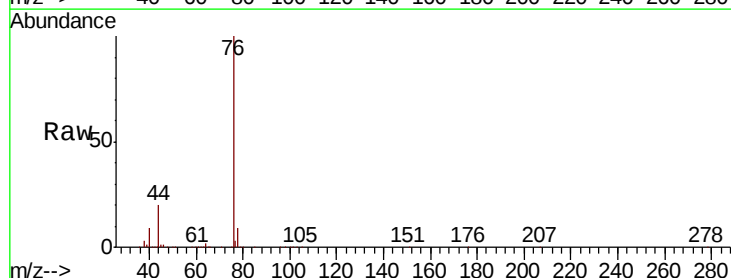
Acq: 23 Mar 2019 15:51

Tgt Ion: 76 Resp: 166332

Ion Ratio Lower Upper

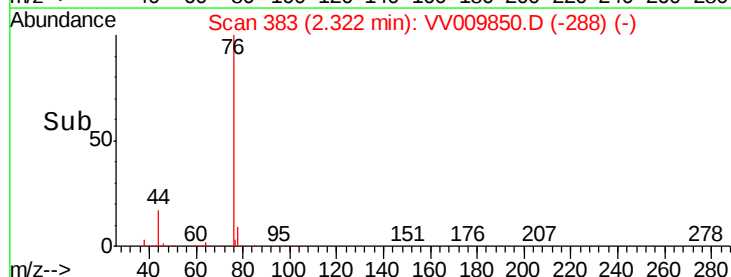
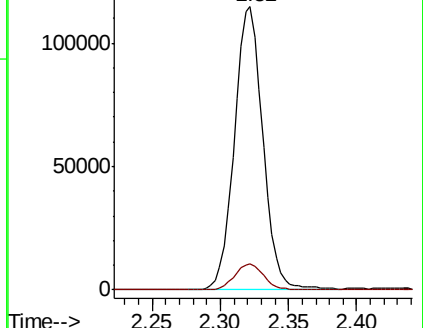
76 100

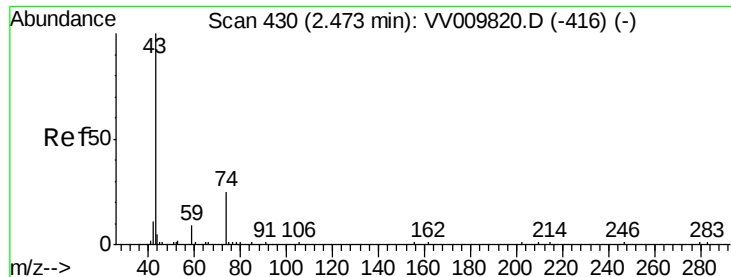
78 9.1 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV009850.D (-383) (-)

Ion 78.00 (77.70 to 78.70): VV009850.D (-383) (-)





#15

Methvl Acetate

Concen: 5.025 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

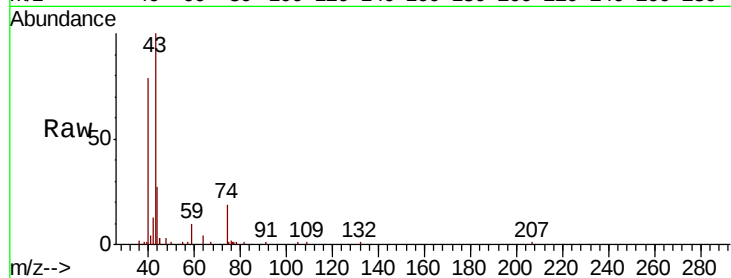
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 21401

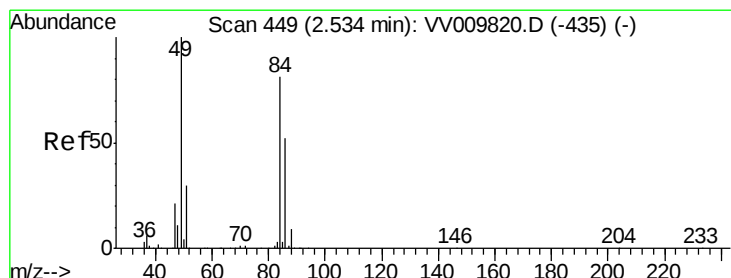
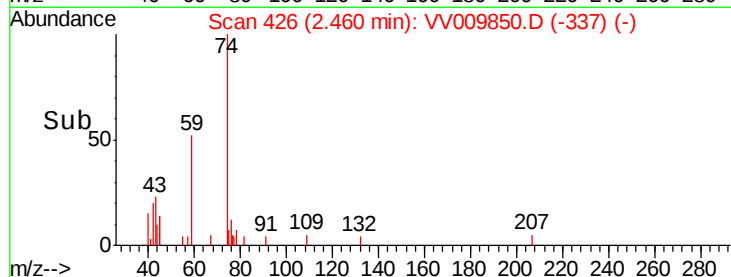
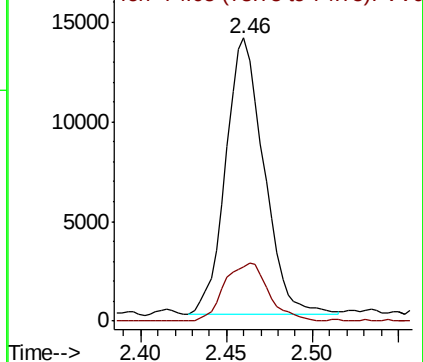
Ion Ratio Lower Upper

43 100

74 24.4 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.222 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

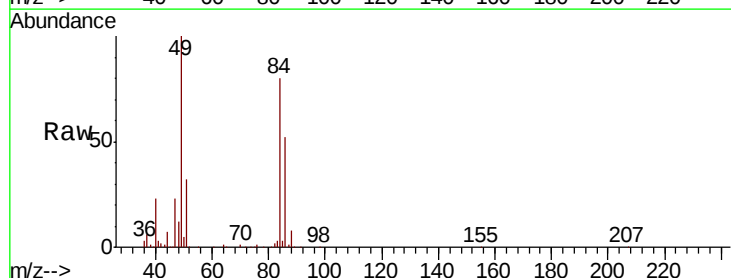
Tgt Ion: 84 Resp: 63004

Ion Ratio Lower Upper

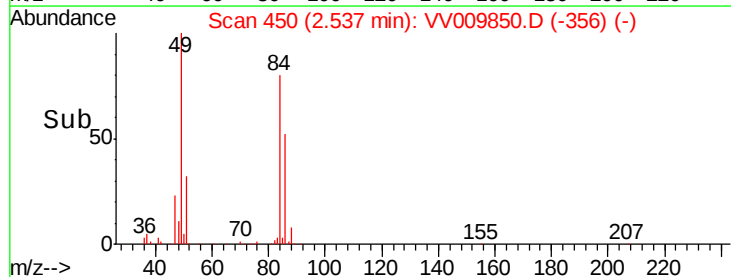
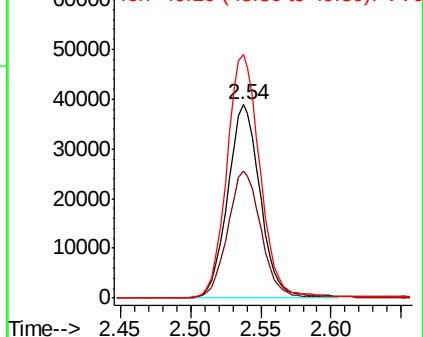
84 100

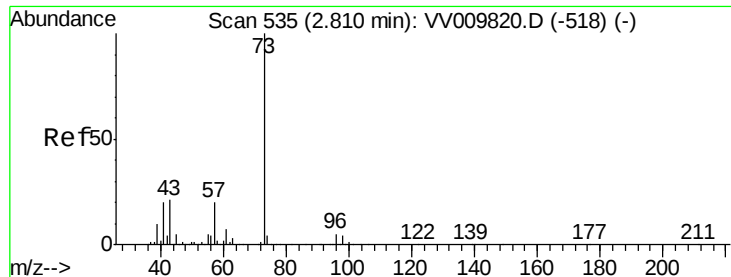
86 65.8 46.1 85.5

49 125.7 89.7 166.5



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

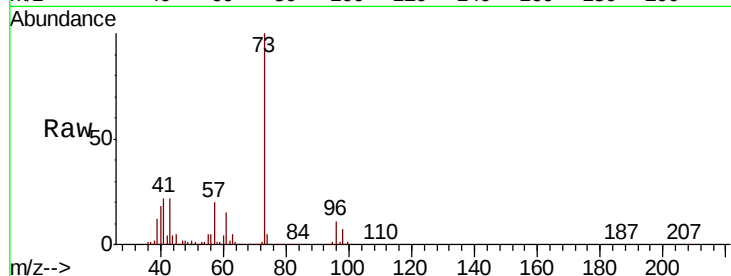




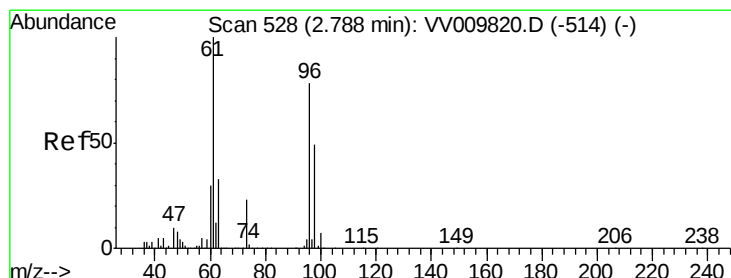
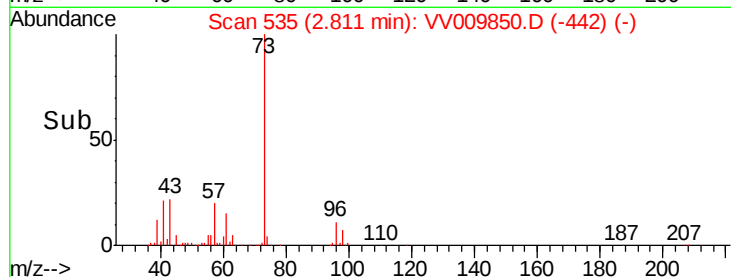
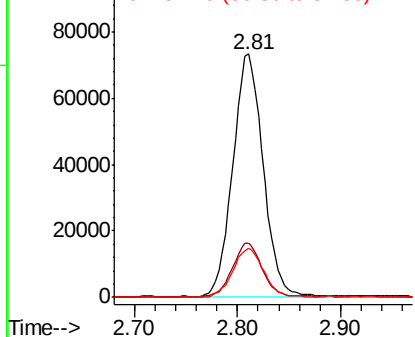
#17
Methvl tert-butvl Ether
Concen: 4.978 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 151735
Ion Ratio Lower Upper
73 100
43 21.1 17.2 25.8
57 20.4 17.3 25.9

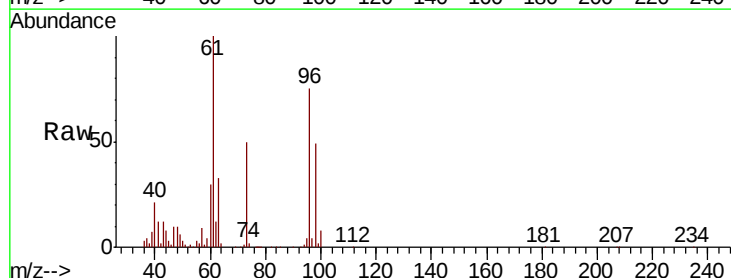


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

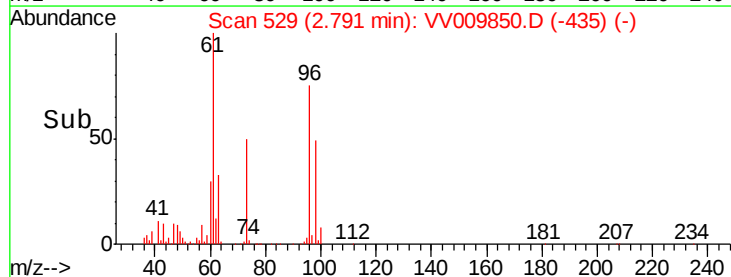
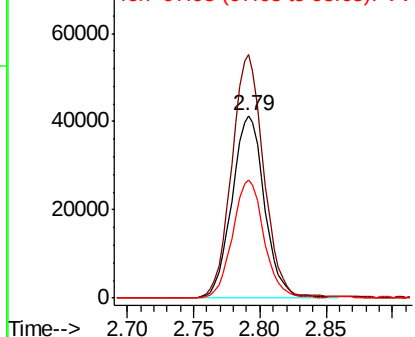


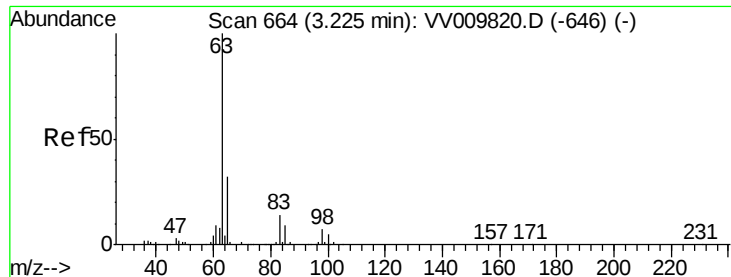
#18
trans-1,2-Dichloroethene
Concen: 4.976 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

Tgt Ion: 96 Resp: 70559
Ion Ratio Lower Upper
96 100
61 133.6 103.9 192.9
98 65.1 46.0 85.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 2.247 ug/L

RT: 3.23 min Scan# 664

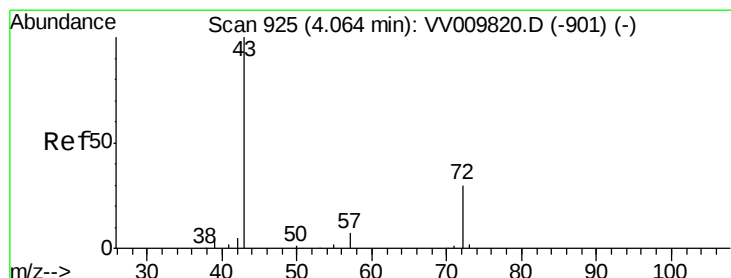
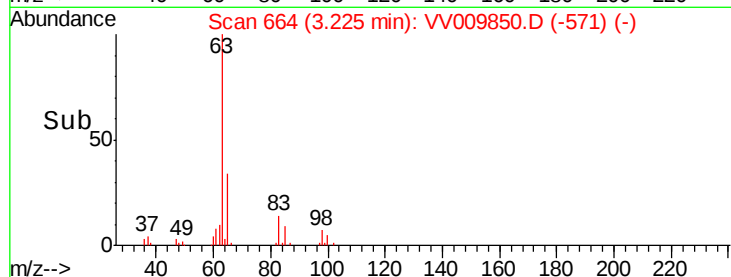
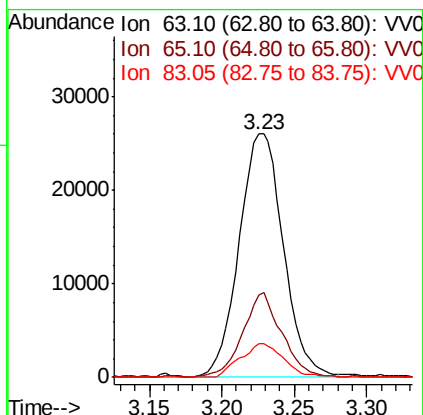
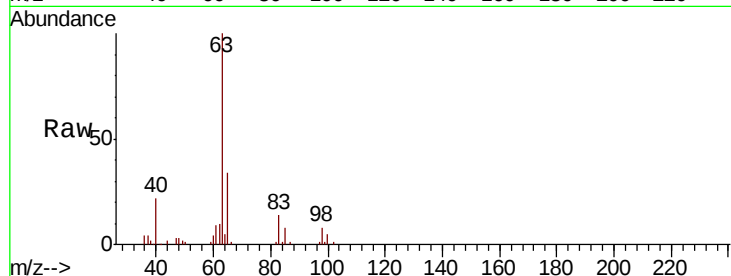
Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	63	Resp:	55311
Ion	Ratio	Lower	Upper
63	100		
65	33.9	21.3	39.5
83	13.9	9.9	18.5



#21

2-Butanone

Concen: 43.911 ug/L

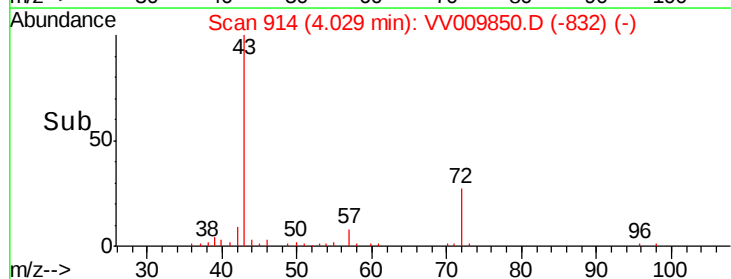
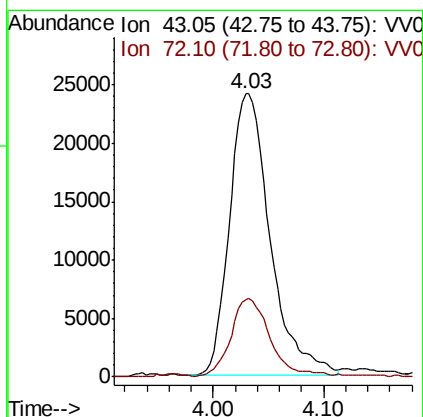
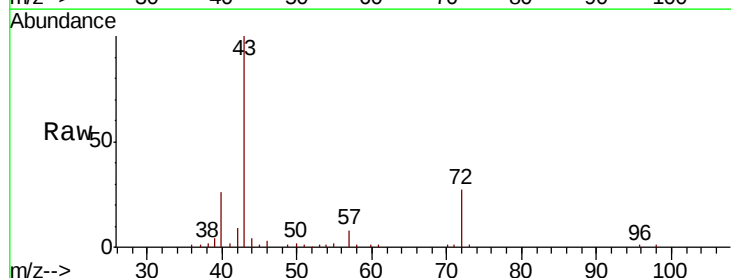
RT: 4.03 min Scan# 914

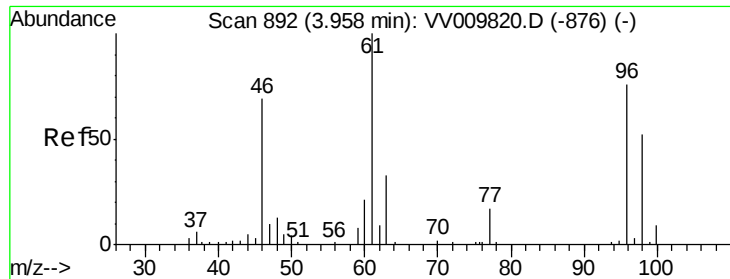
Delta R.T. -0.04 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Tgt Ion:	43	Resp:	61852
Ion	Ratio	Lower	Upper
43	100		
72	27.1	14.8	44.4



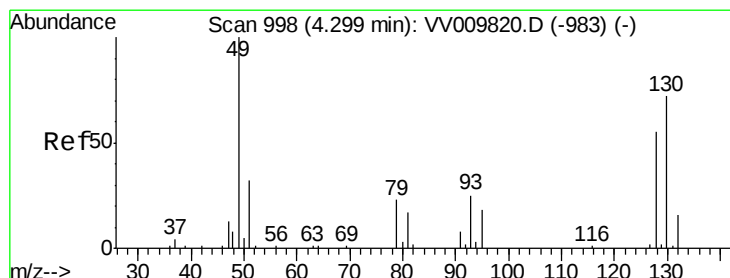
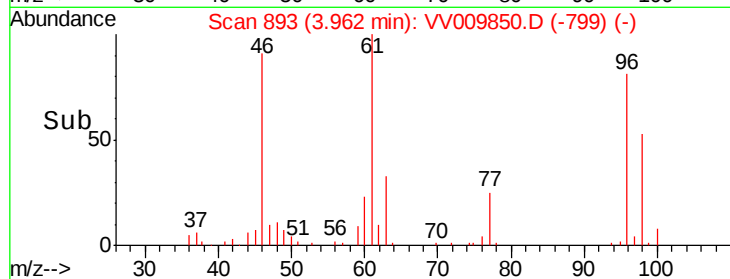
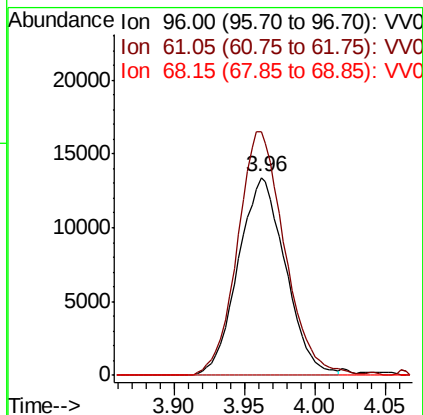
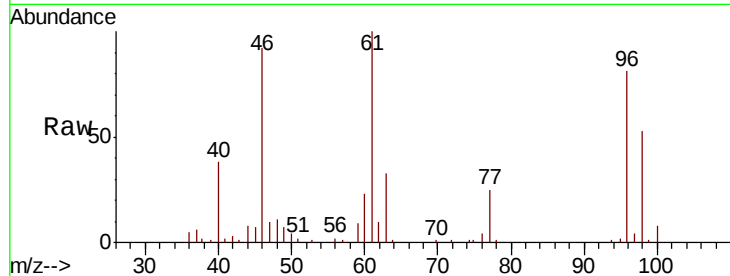


#22

cis-1,2-Dichloroethene
 Concen: 4.574 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

Instrument :
 MSVOA_V
 ClientSampled :

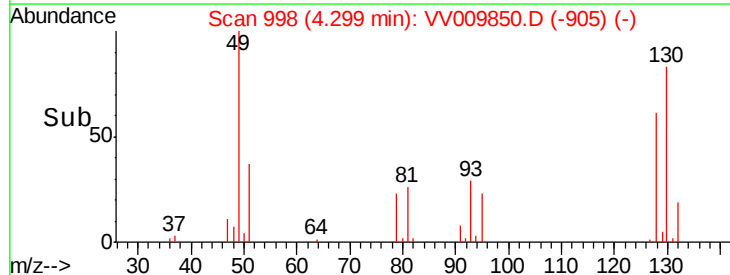
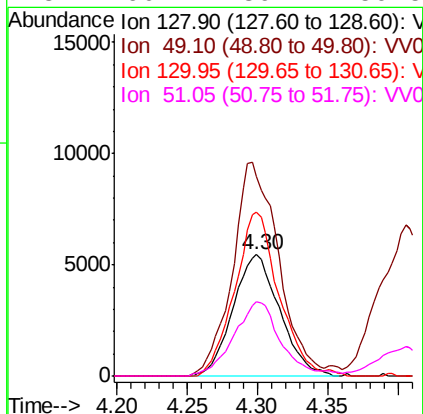
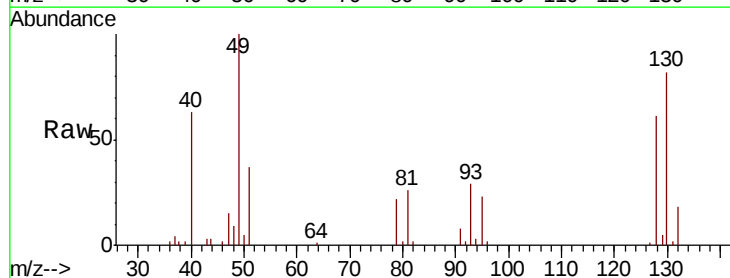
Tot Ion: 96 Resp: 31376
 Ion Ratio Lower Upper
 96 100
 61 122.9 84.8 157.4
 68 0.0 0.0 0.0

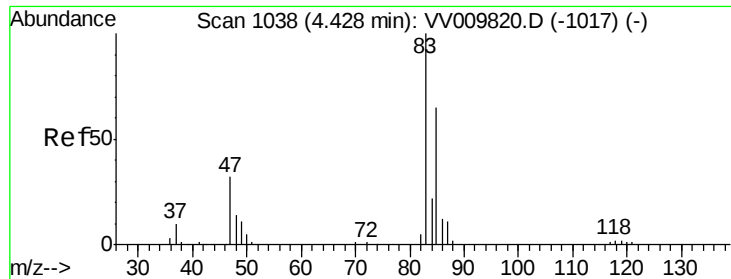


#23

Bromochloromethane
 Concen: 4.540 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

Tgt Ion: 128 Resp: 12627
 Ion Ratio Lower Upper
 128 100
 49 165.1 110.4 205.0
 130 135.7 89.1 165.5
 51 60.7 39.7 59.5#

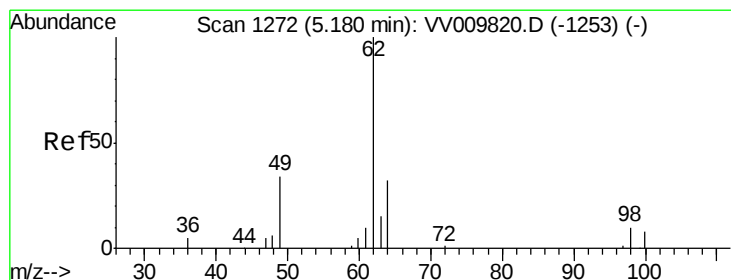
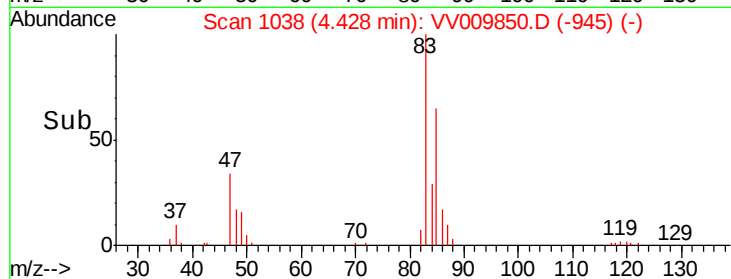
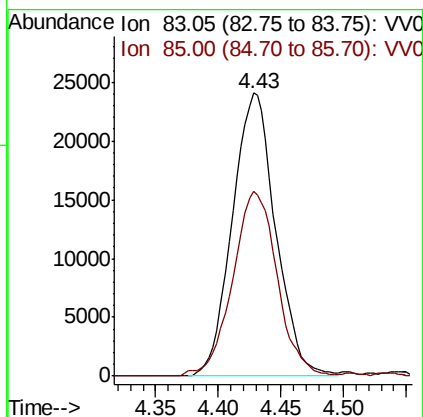
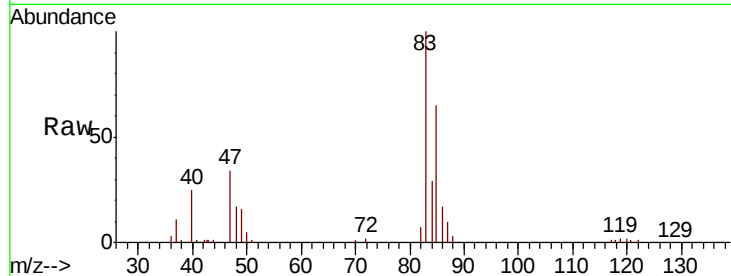




#25
Chloroform
Concen: 4.824 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

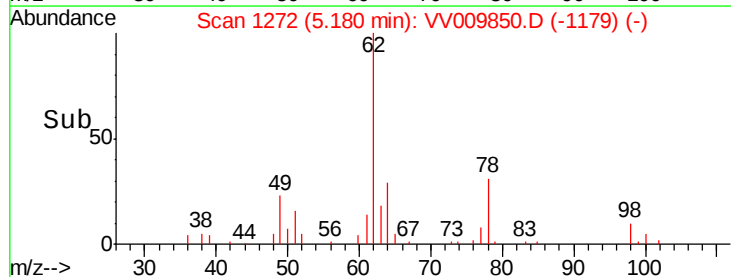
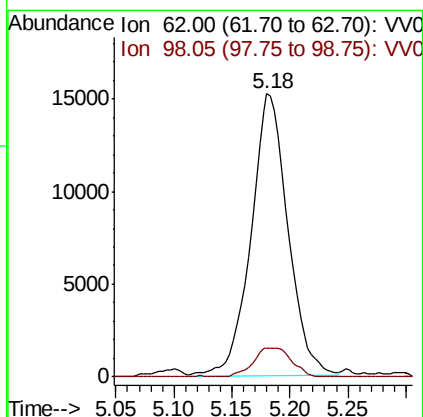
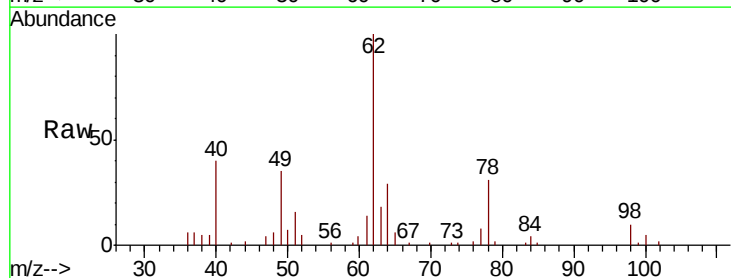
Instrument :
MSVOA_V
ClientSampled :

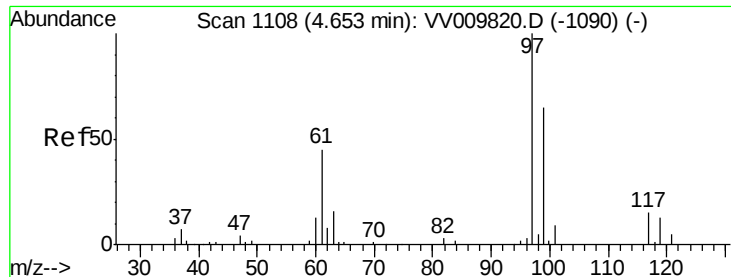
Tot Ion: 83 Resp: 57848
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.597 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

Tgt Ion: 62 Resp: 33551
Ion Ratio Lower Upper
62 100
98 10.3 7.4 11.0

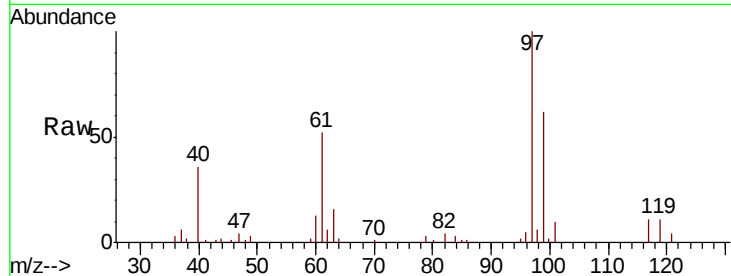




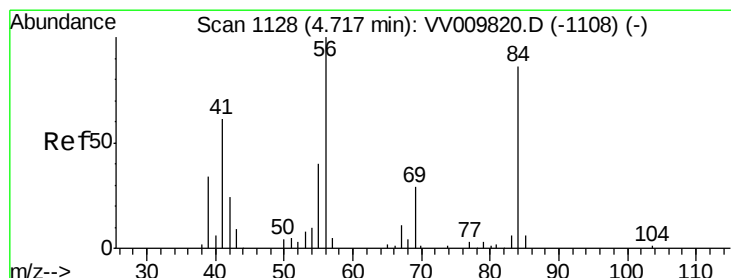
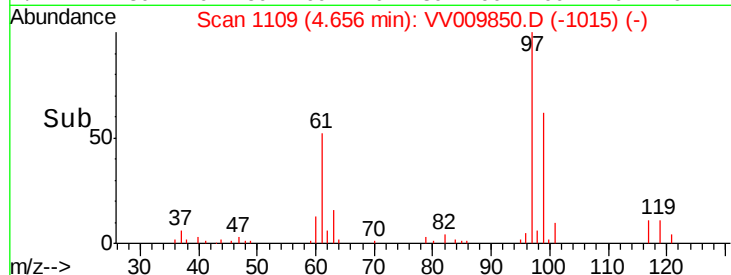
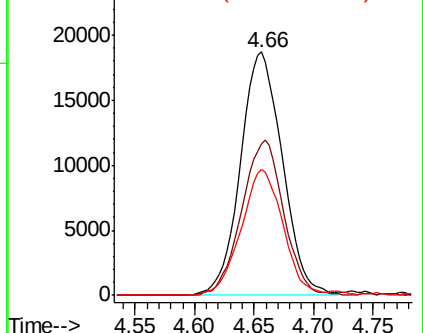
#29
 1,1,1-Trichloroethane
 Concen: 4.231 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 45745
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.8 76.2
 61 51.3 35.0 52.6

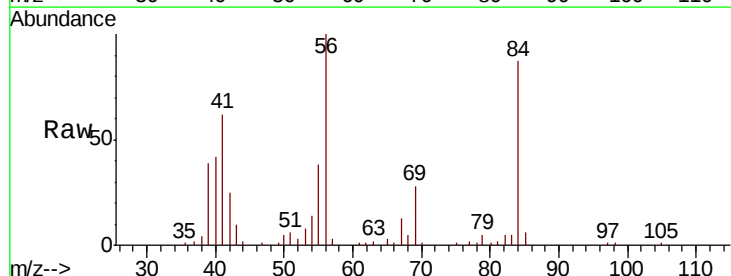


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

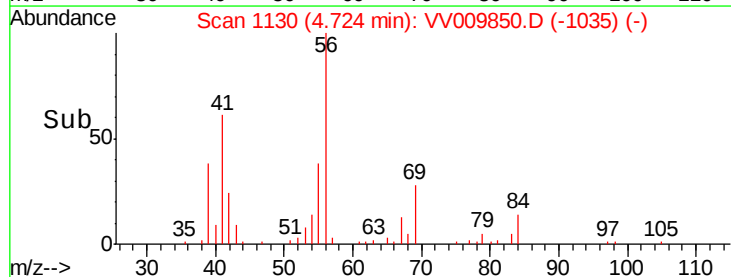
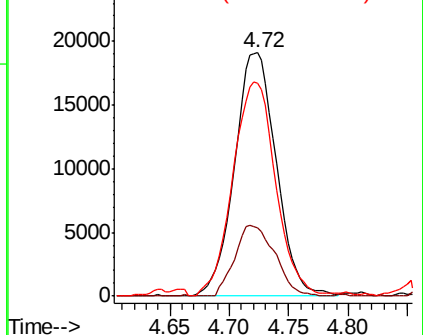


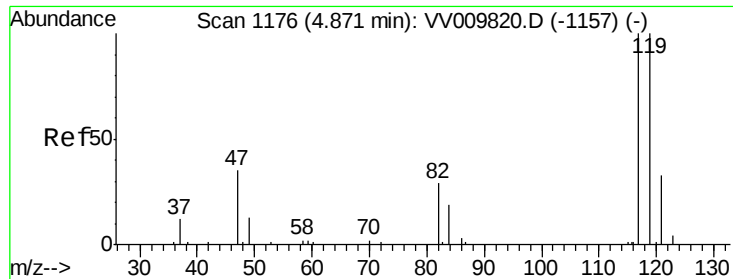
#30
 Cyclohexane
 Concen: 4.145 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.01 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

Tgt Ion: 56 Resp: 46450
 Ion Ratio Lower Upper
 56 100
 69 27.9 25.6 38.4
 84 90.4 72.4 108.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0

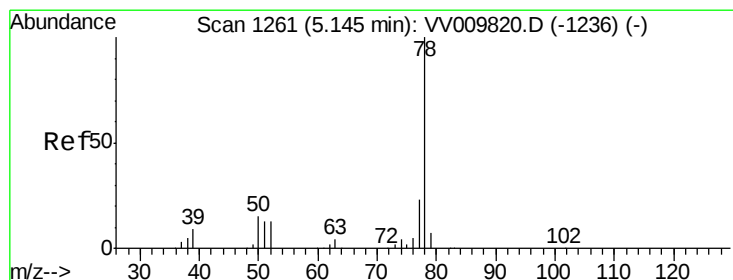
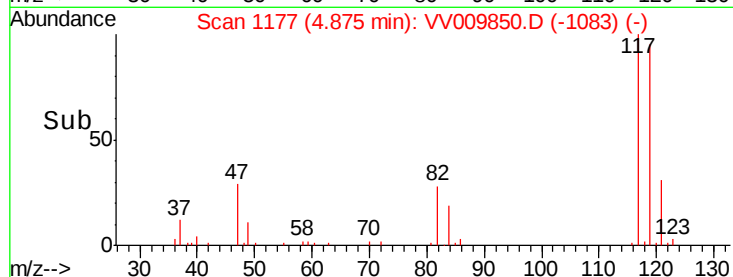
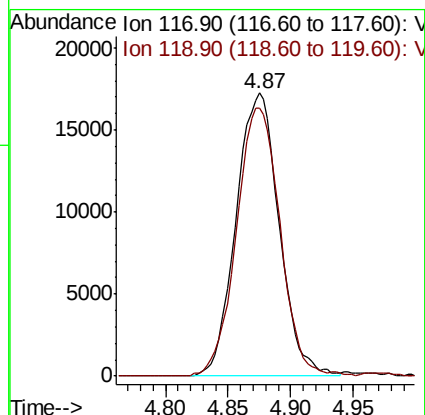
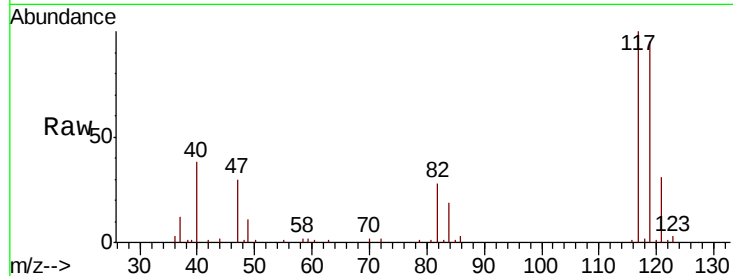




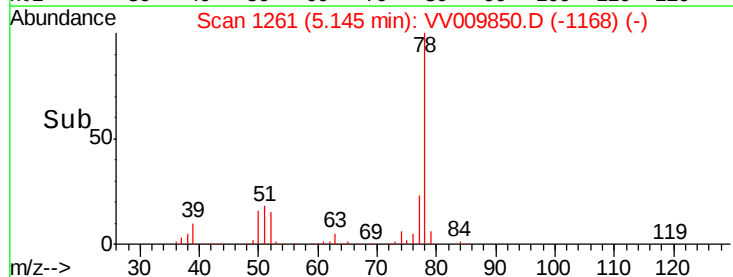
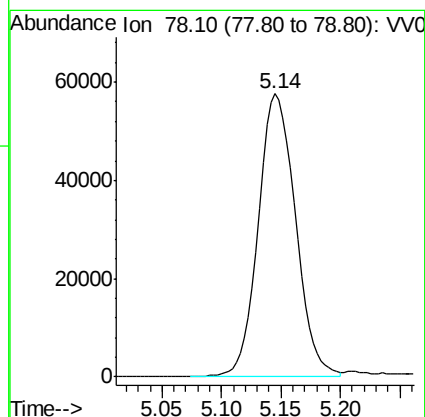
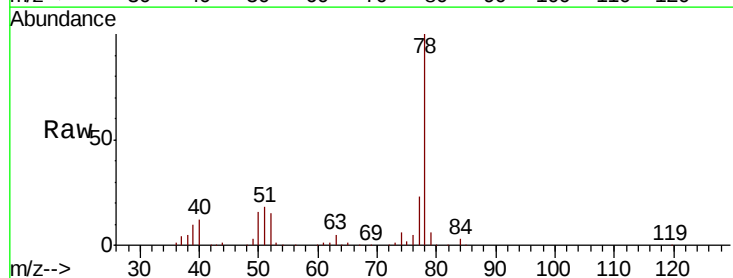
#31
Carbon tetrachloride
Concen: 4.419 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

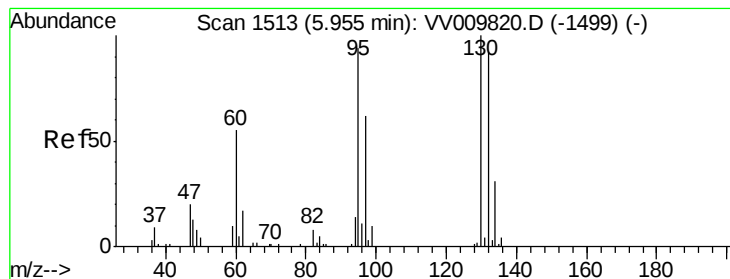
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 41139
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.2



#33
Benzene
Concen: 4.460 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51
Tgt Ion: 78 Resp: 125488





#34

Trichloroethene

Concen: 4.349 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 30951

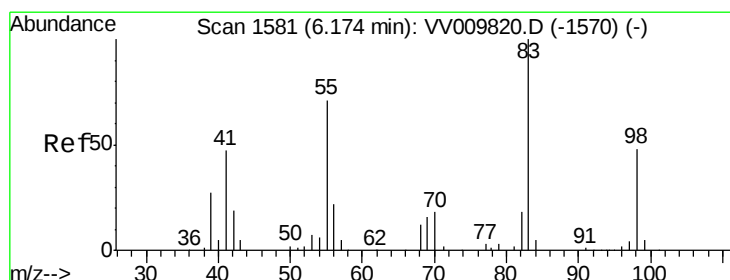
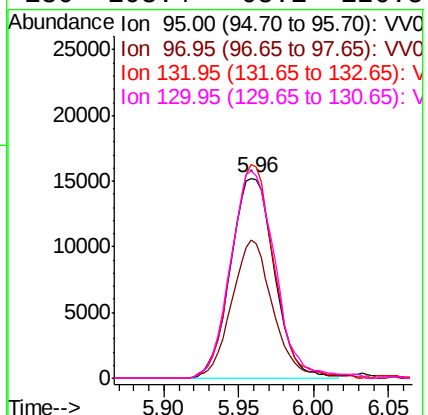
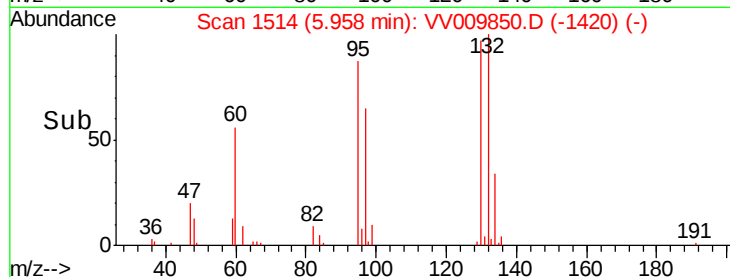
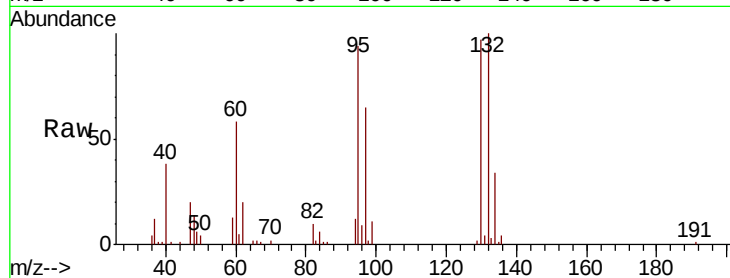
Ion Ratio Lower Upper

95 100

97 69.0 44.4 82.5

132 106.7 66.4 123.4

130 103.4 68.1 126.5



#35

Methylcyclohexane

Concen: 3.970 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

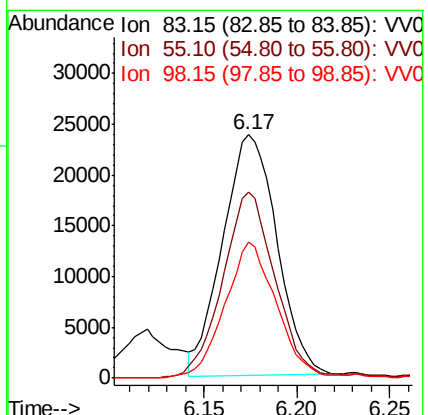
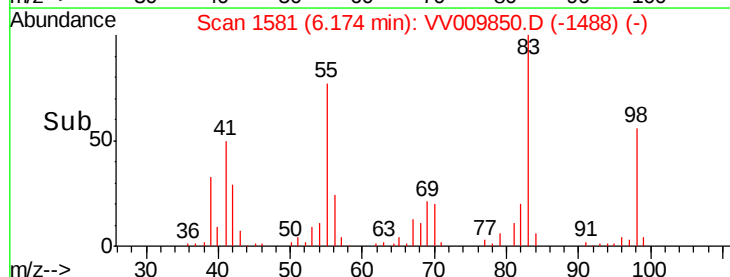
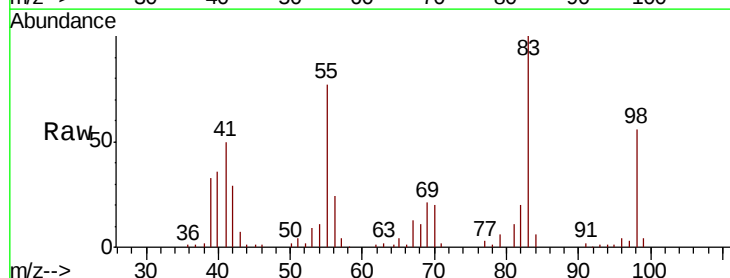
Tgt Ion: 83 Resp: 48360

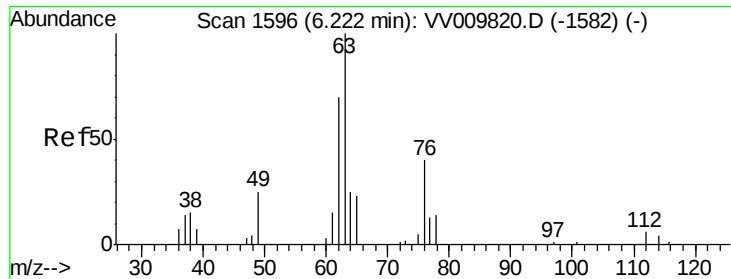
Ion Ratio Lower Upper

83 100

55 74.4 57.4 86.2

98 53.3 38.9 58.3

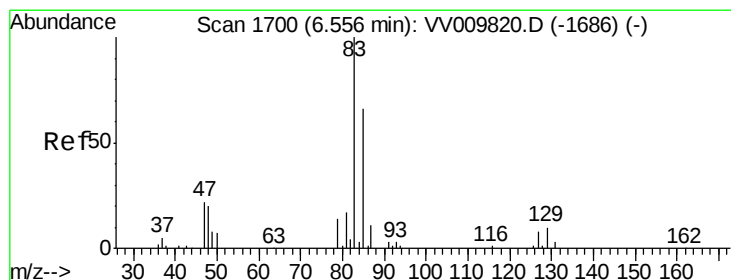
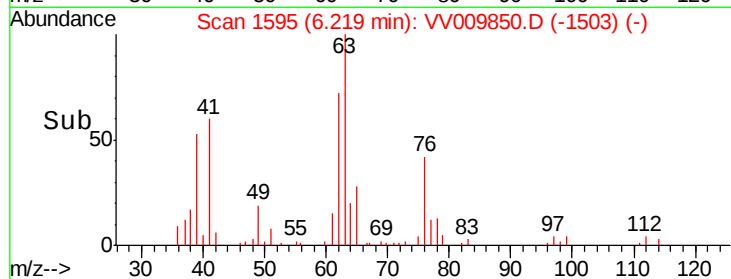
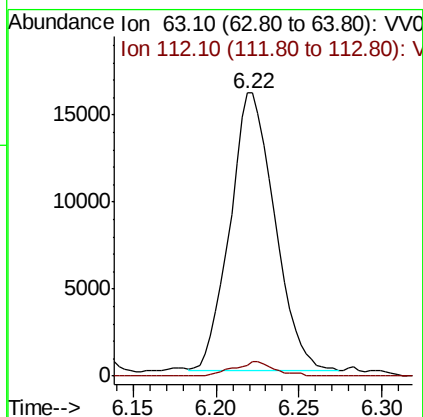
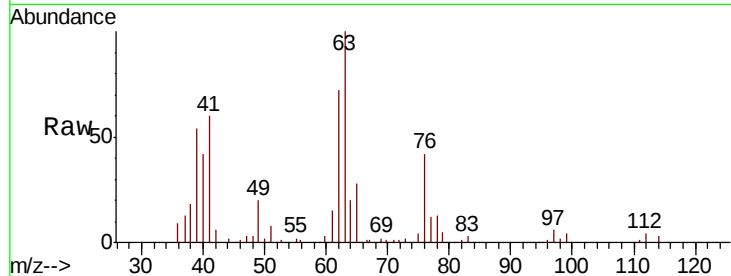




#37
 1,2-Dichloropropane
 Concen: 4.252 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

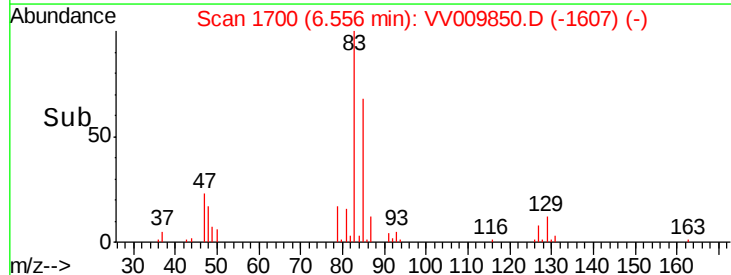
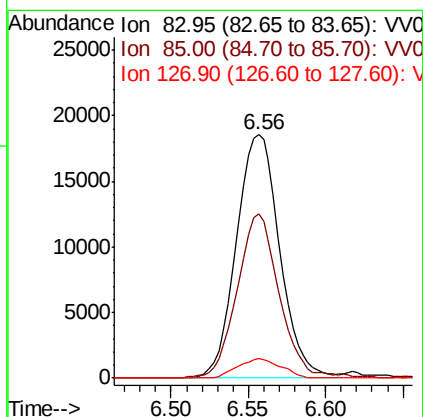
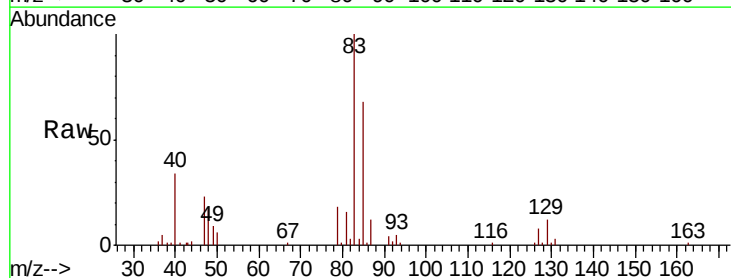
Instrument :
 MSVOA_V
 ClientSampleId :

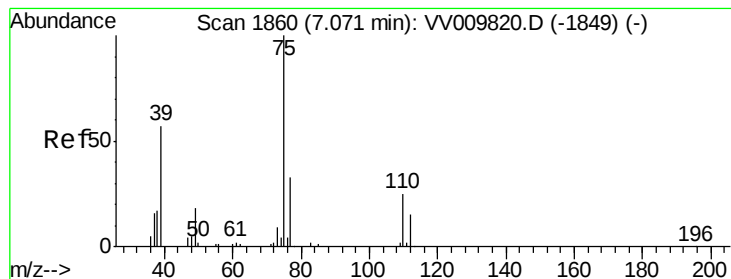
Tot Ion: 63 Resp: 29903
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.345 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

Tgt Ion: 83 Resp: 36135
 Ion Ratio Lower Upper
 83 100
 85 67.7 42.8 79.4
 127 7.8 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 4.245 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

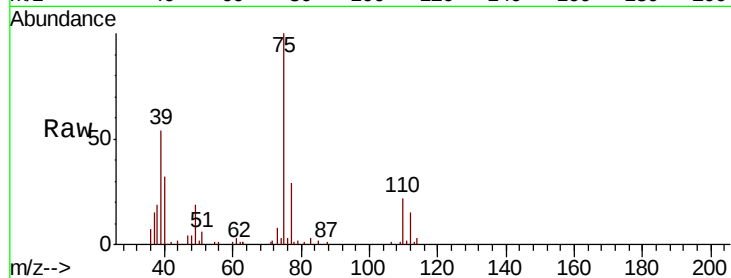
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 40384

Ion Ratio Lower Upper

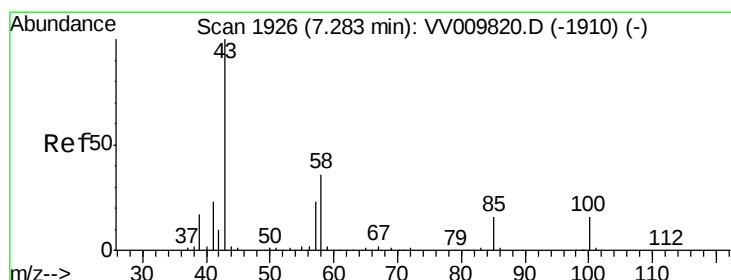
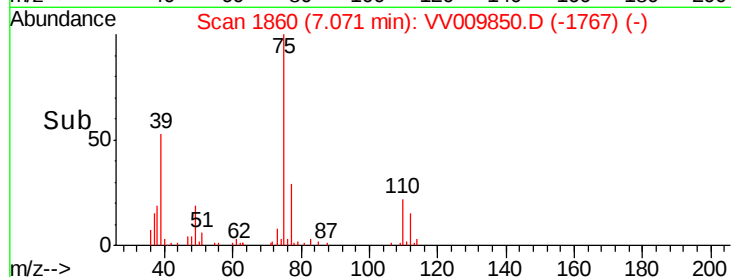
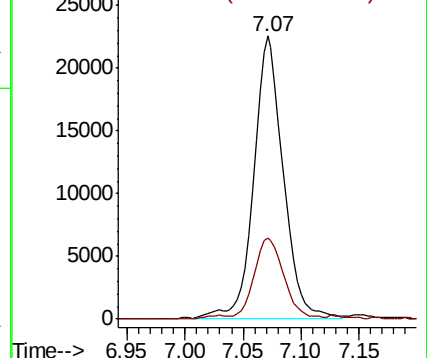
75 100

77 28.7 24.1 44.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 42.065 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. -0.01 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

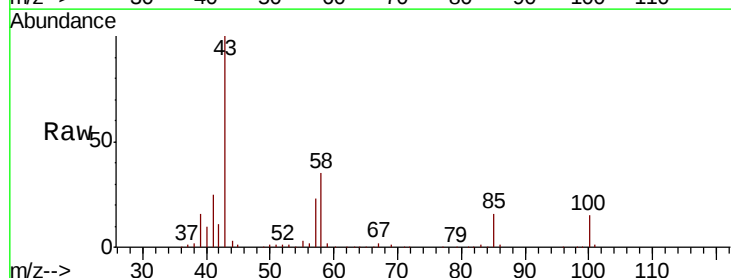
Tgt Ion: 43 Resp: 172867

Ion Ratio Lower Upper

43 100

58 34.5 32.3 48.5

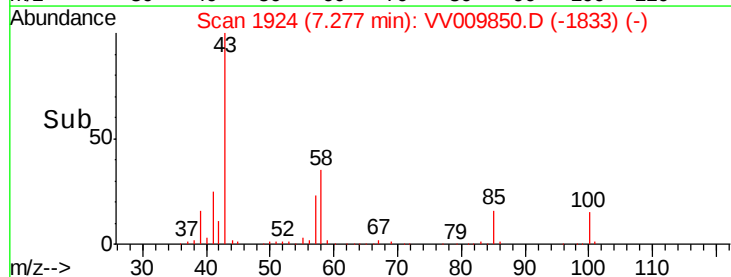
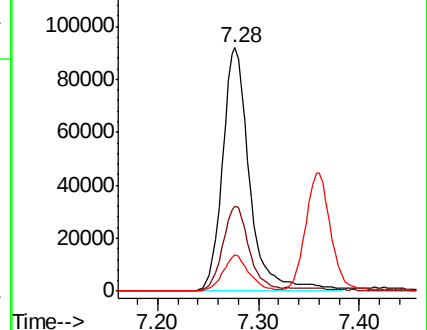
100 14.2 12.0 18.0

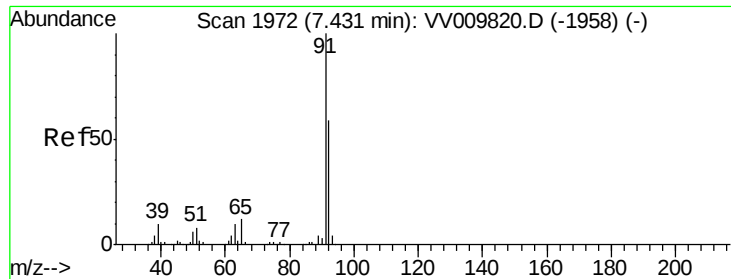


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.488 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Instrument :

MSVOA_V

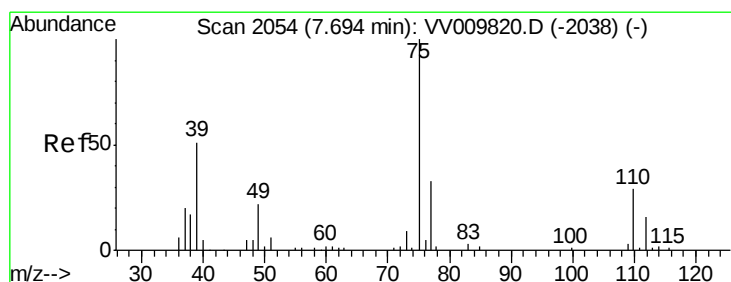
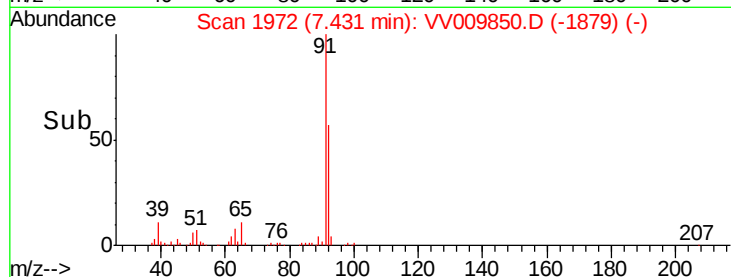
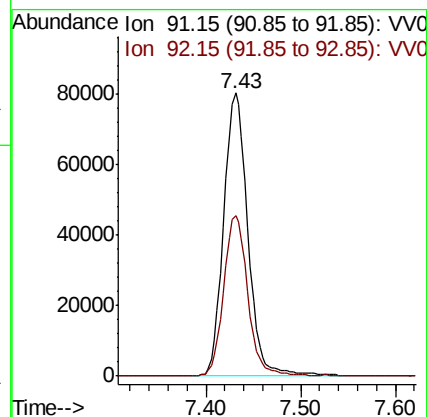
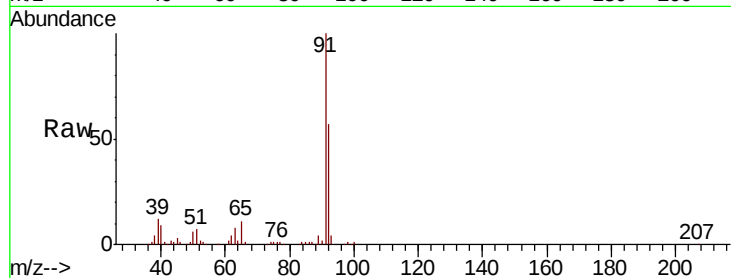
ClientSampleId :

Tot Ion: 91 Resp: 142877

Ion Ratio Lower Upper

91 100

92 56.9 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 3.942 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009850.D

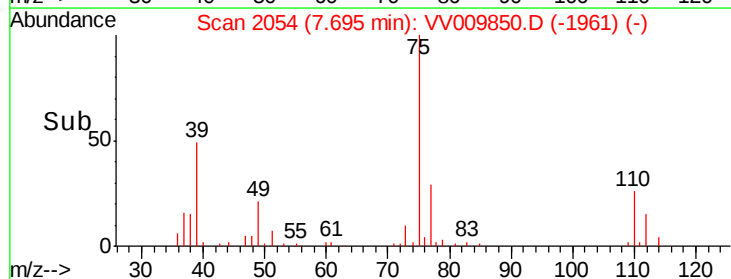
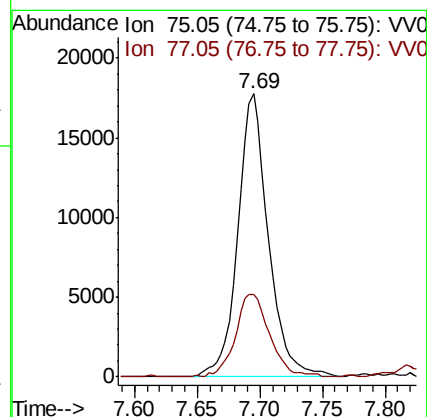
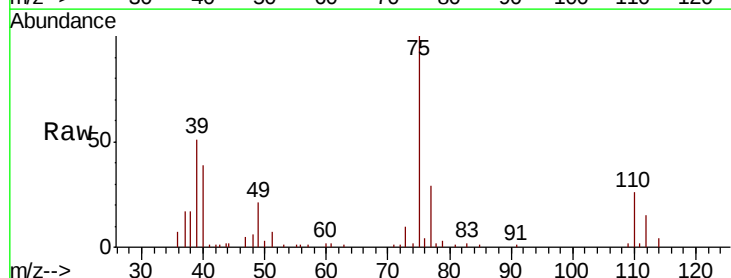
Acq: 23 Mar 2019 15:51

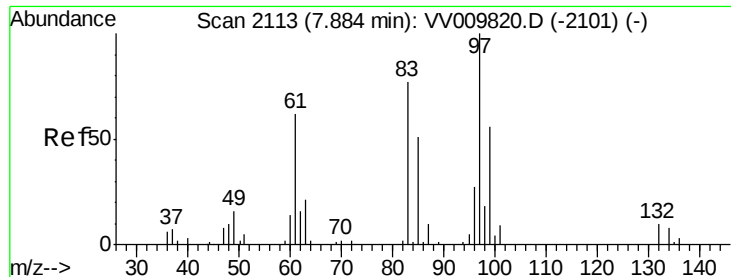
Tgt Ion: 75 Resp: 29985

Ion Ratio Lower Upper

75 100

77 29.0 22.7 42.3

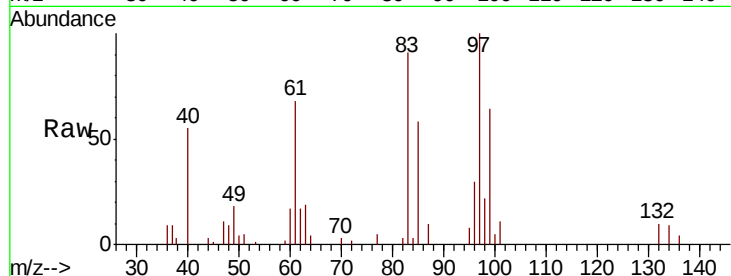




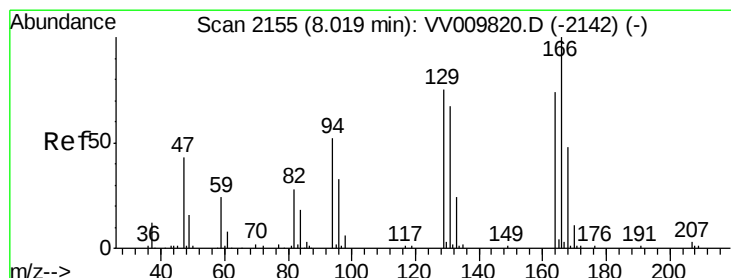
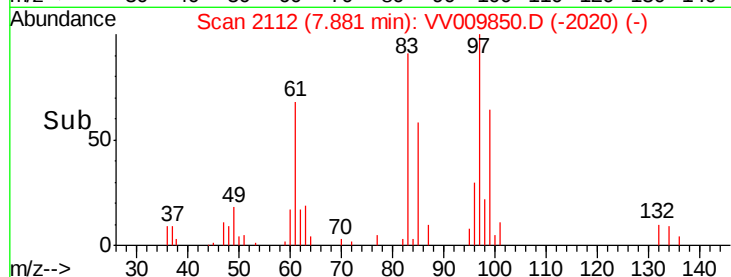
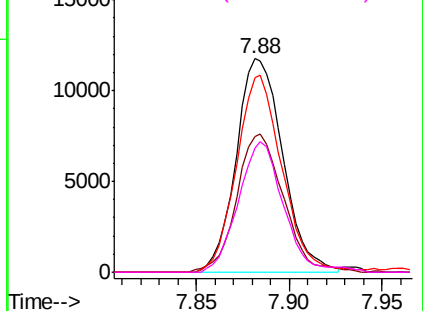
#45
 1,1,2-Trichloroethane
 Concen: 4.291 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	20543
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.8	81.4
83	91.4	60.7	112.7
85	57.9	40.5	75.3

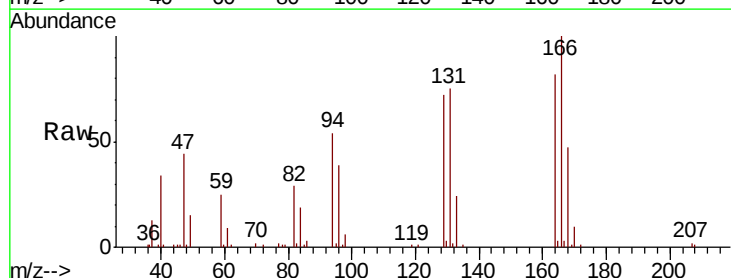


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

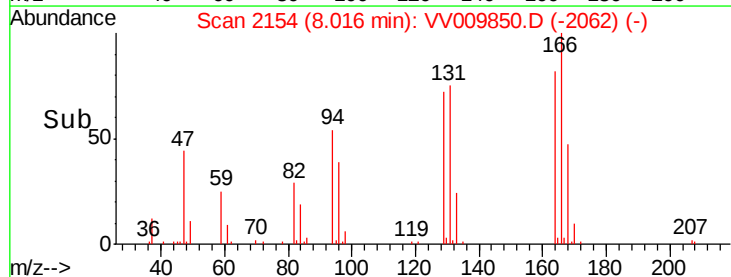
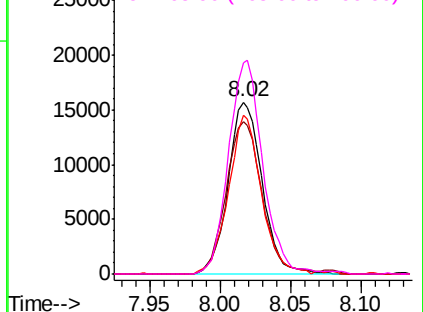


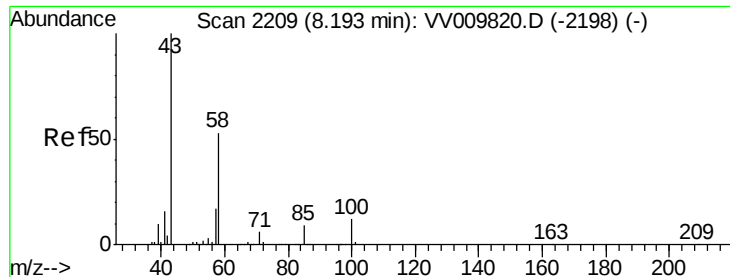
#47
 Tetrachloroethene
 Concen: 4.310 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

Tgt Ion:	164	Resp:	26492
Ion	Ratio	Lower	Upper
164	100		
129	88.2	73.6	136.8
131	92.6	68.4	127.0
166	122.6	91.8	170.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

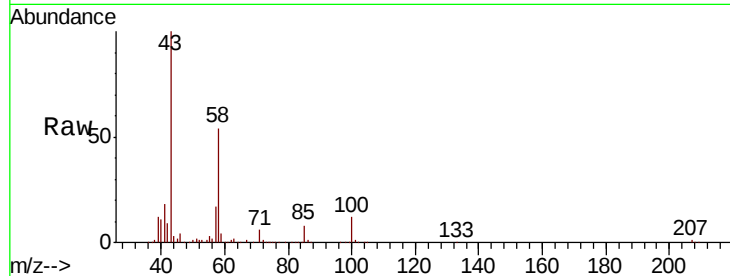




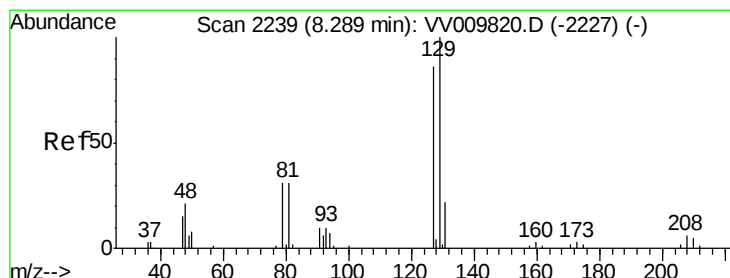
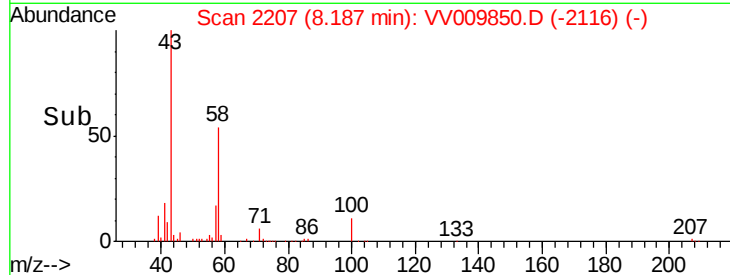
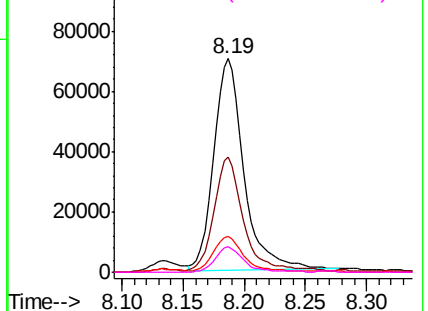
#48
2-Hexanone
Concen: 42.331 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 122388
Ion Ratio Lower Upper
43 100
58 52.0 43.4 65.0
57 17.5 15.0 22.4
100 11.5 9.6 14.4

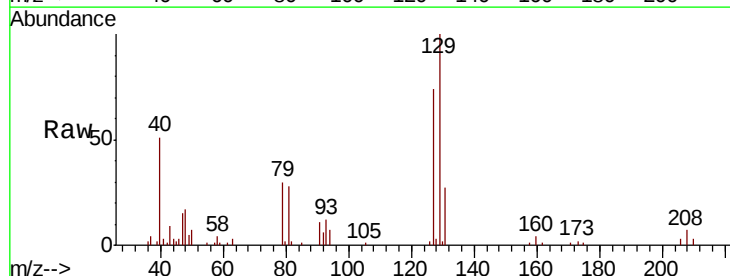


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

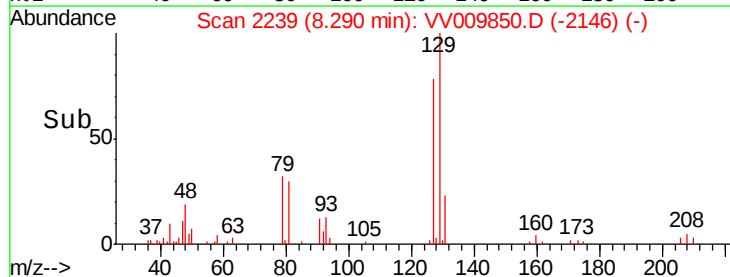
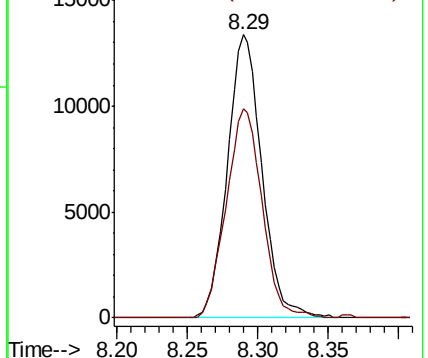


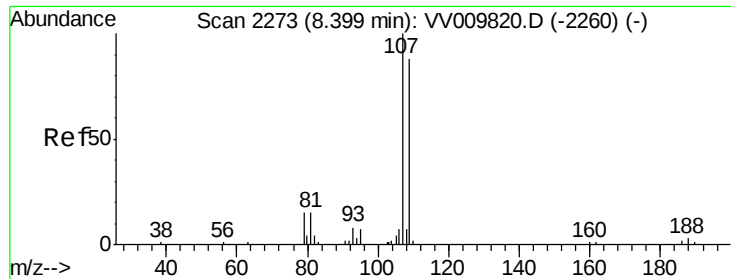
#49
Dibromochloromethane
Concen: 4.129 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

Tgt Ion:129 Resp: 22852
Ion Ratio Lower Upper
129 100
127 73.8 52.4 97.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

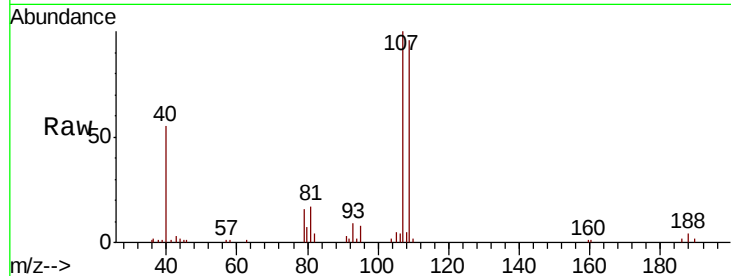




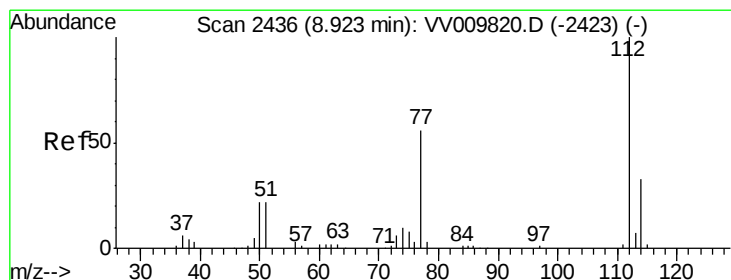
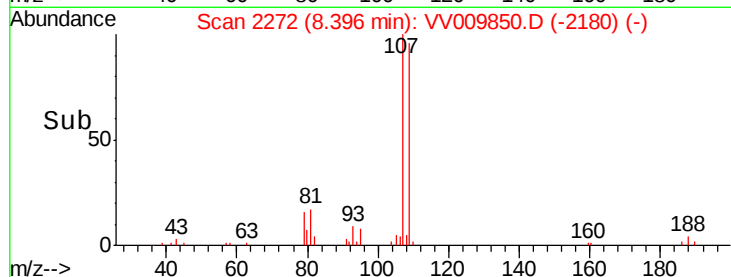
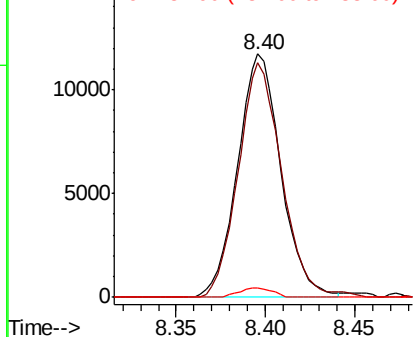
#50
1,2-Dibromoethane
Concen: 4.434 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 19823
Ion Ratio Lower Upper
107 100
109 96.5 61.8 114.8
188 3.9 2.4 3.6#

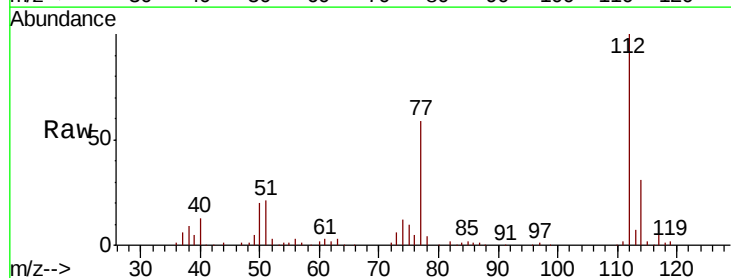


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

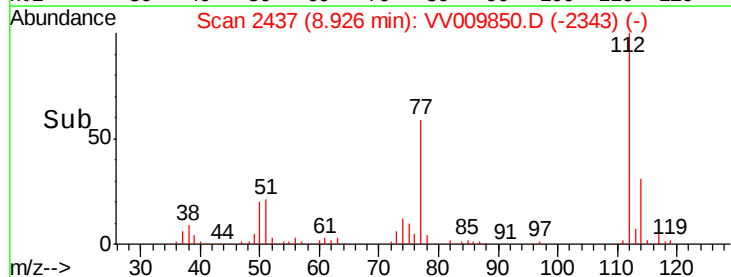
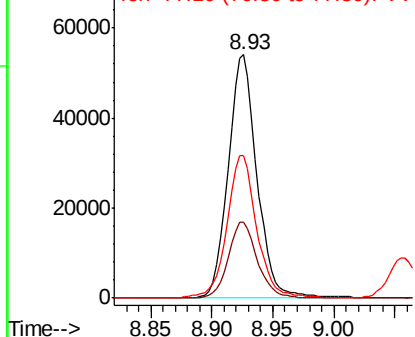


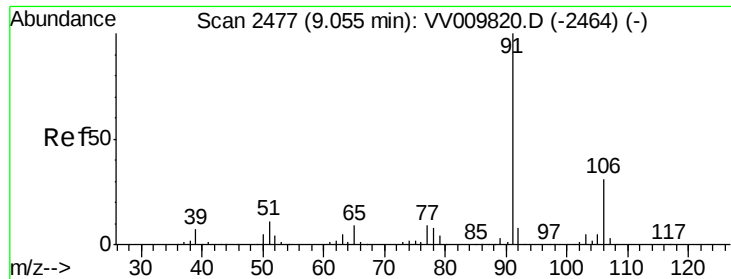
#51
Chlorobenzene
Concen: 4.362 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

Tgt Ion:112 Resp: 88916
Ion Ratio Lower Upper
112 100
114 31.4 21.8 40.4
77 58.8 45.0 67.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0

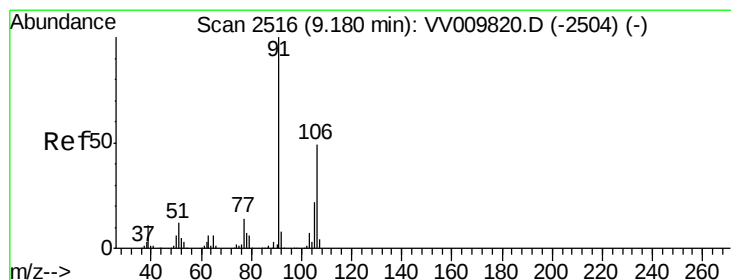
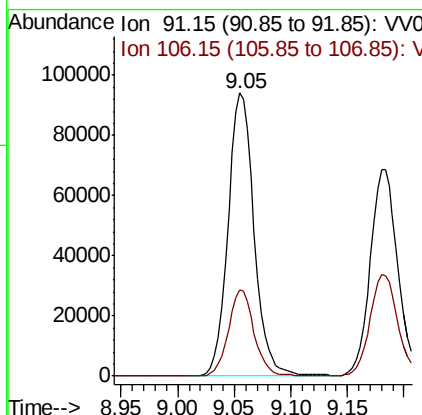
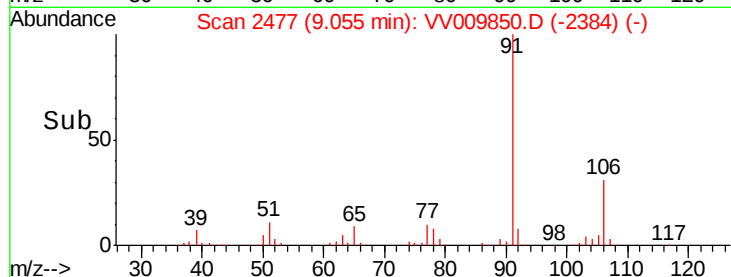
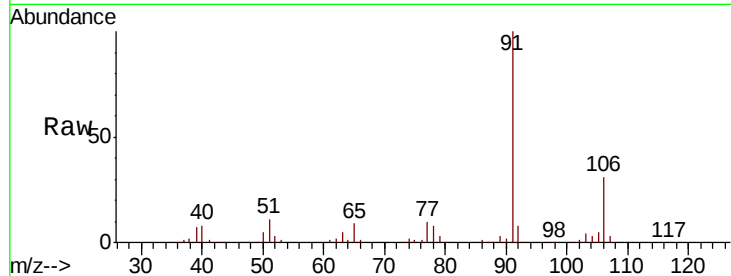




#52
Ethylbenzene
Concen: 4.319 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

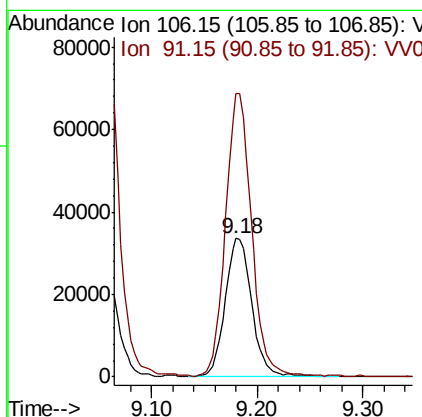
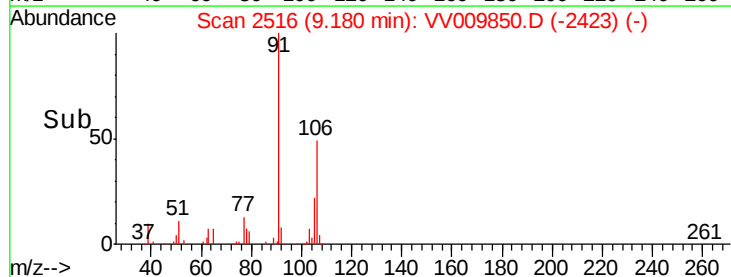
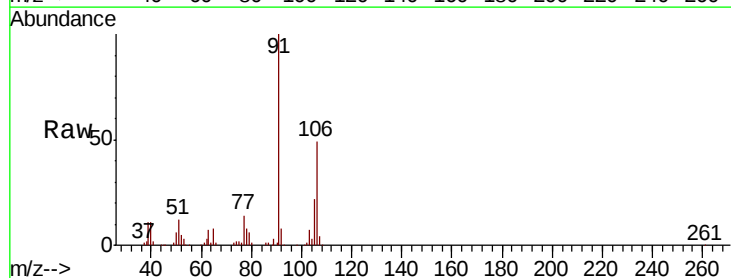
Instrument :
MSVOA_V
ClientSampleId :

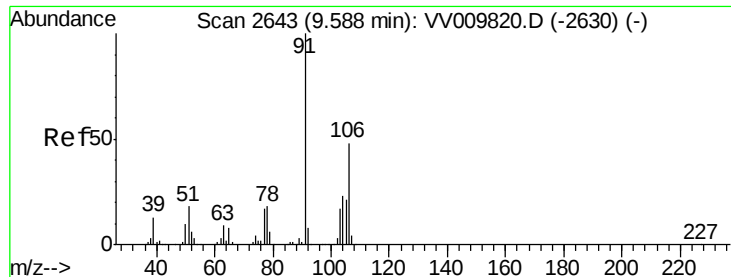
Tot Ion: 91 Resp: 151492
Ion Ratio Lower Upper
91 100
106 30.6 22.7 42.1



#53
m,p-xylene
Concen: 4.430 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV009850.D
Acq: 23 Mar 2019 15:51

Tgt Ion: 106 Resp: 59049
Ion Ratio Lower Upper
106 100
91 204.3 143.2 266.0





#54

o-xylene

Concen: 4.170 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

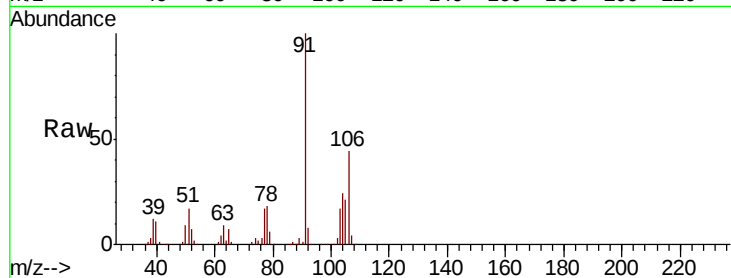
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 54303

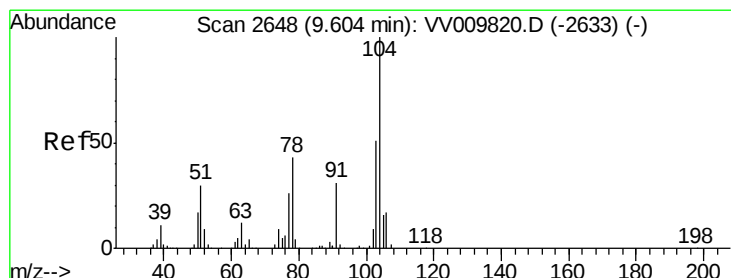
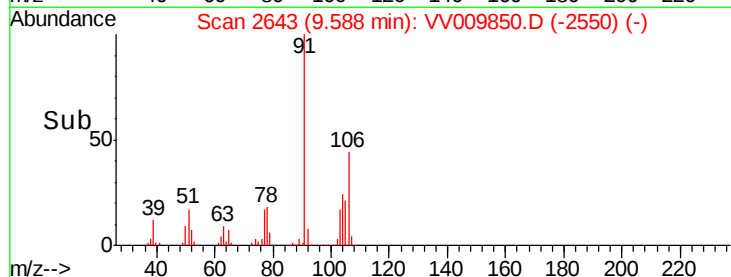
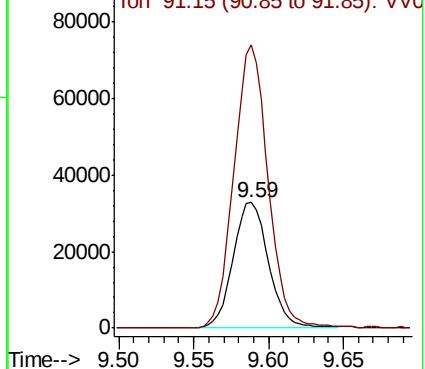
Ion Ratio Lower Upper

106 100

91 225.4 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 4.351 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009850.D

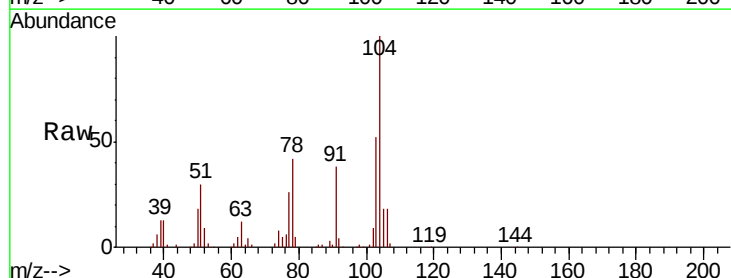
Acq: 23 Mar 2019 15:51

Tgt Ion:104 Resp: 92117

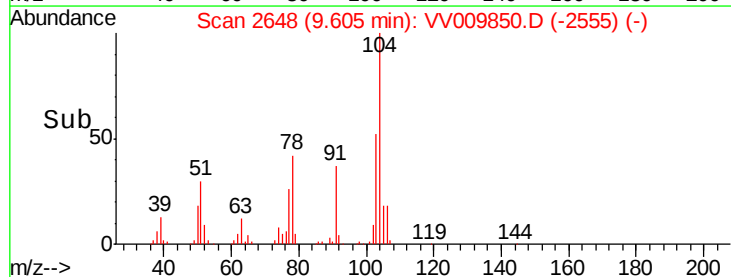
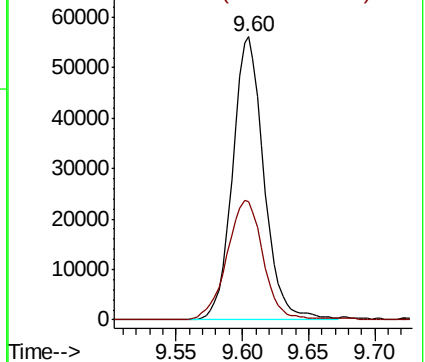
Ion Ratio Lower Upper

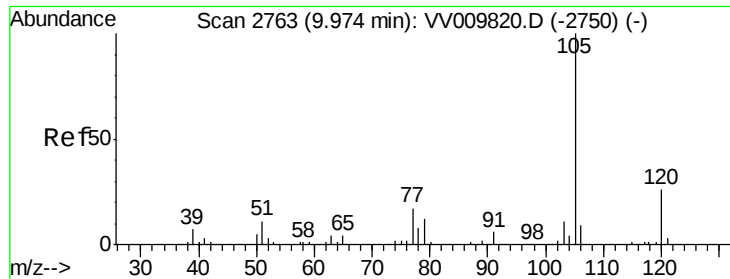
104 100

78 41.7 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 4.331 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

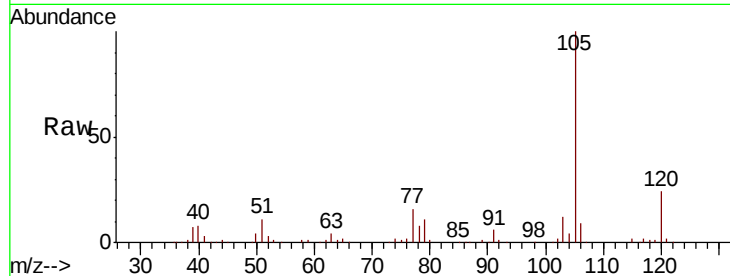
Tot Ion:105 Resp: 148913

Ion Ratio Lower Upper

105 100

120 25.0 21.4 32.2

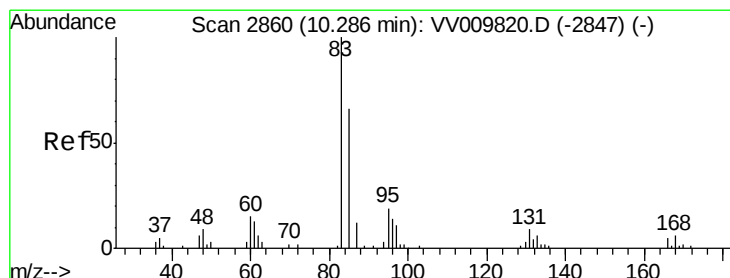
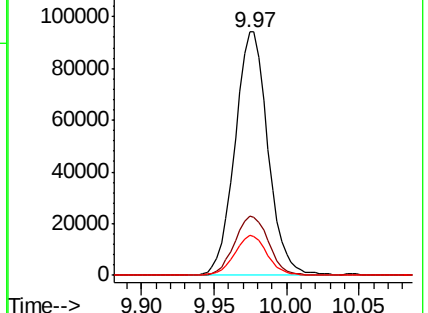
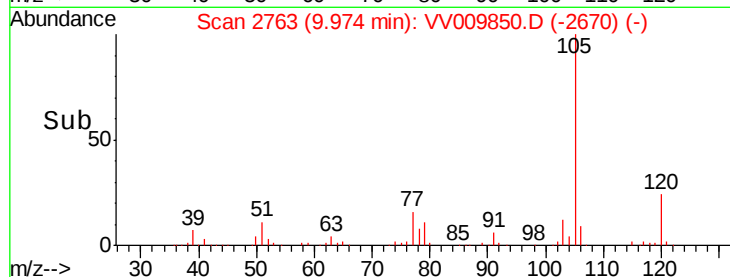
77 16.3 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.402 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

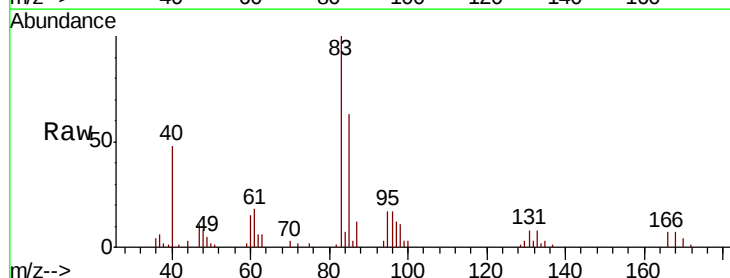
Tgt Ion: 83 Resp: 26110

Ion Ratio Lower Upper

83 100

85 62.7 45.8 85.2

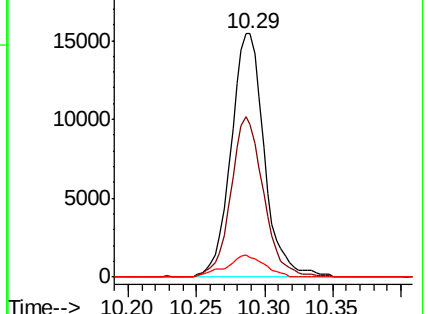
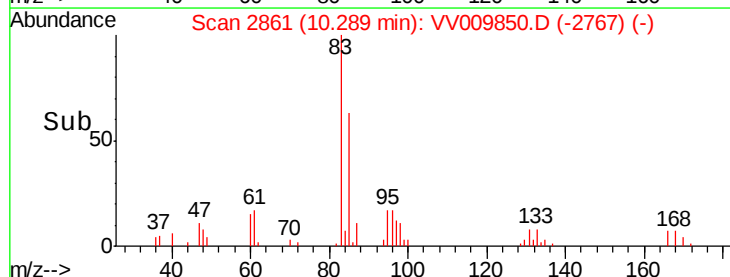
131 8.3 9.0 13.4#

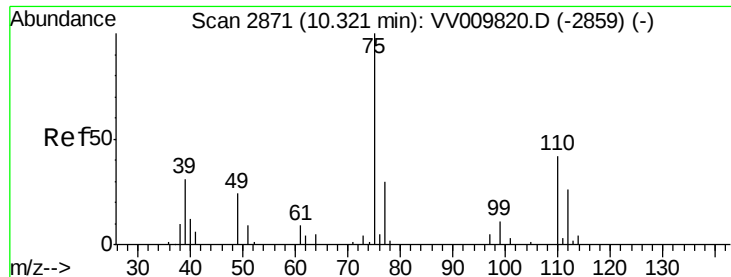


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

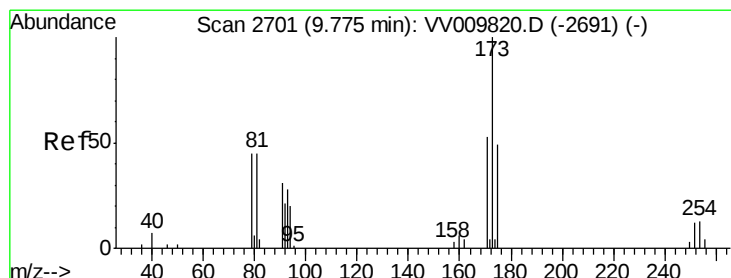
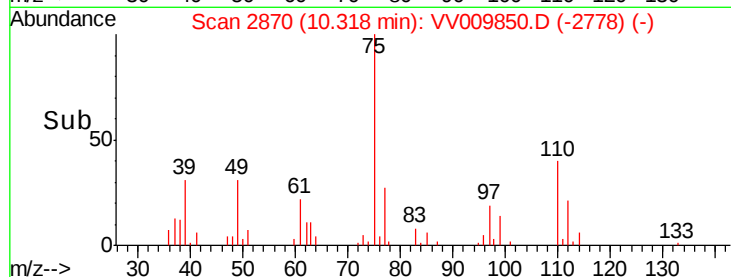
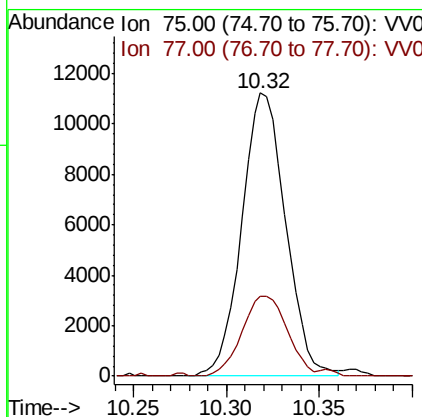
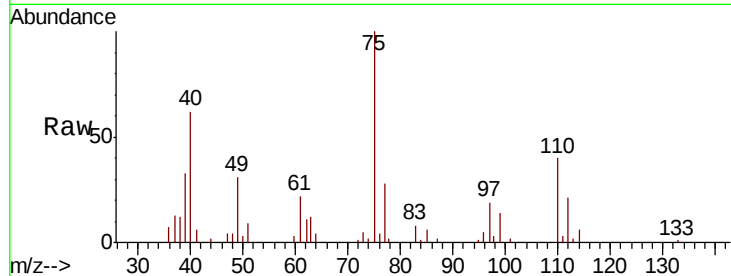




#59
 1,2,3-Trichloropropane
 Concen: 4.520 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

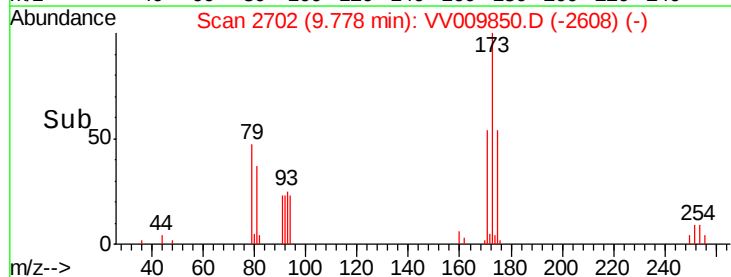
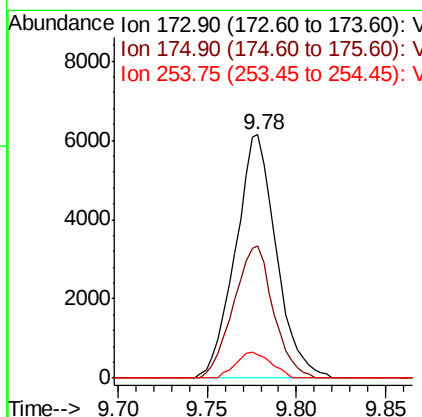
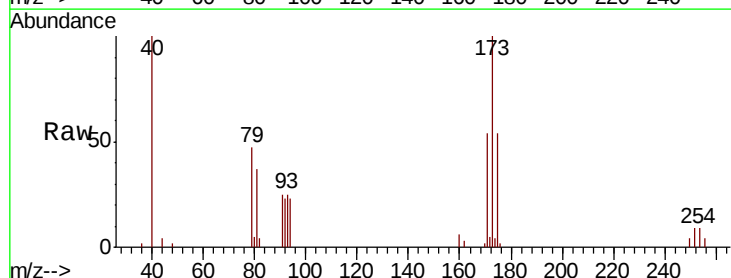
Instrument :
 MSVOA_V
 ClientSampleId :

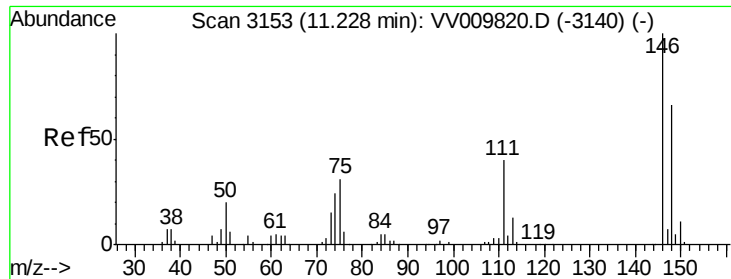
Tot Ion: 75 Resp: 18467
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.7 38.5



#61
 Bromoform
 Concen: 3.854 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

Tgt Ion: 173 Resp: 9842
 Ion Ratio Lower Upper
 173 100
 175 52.8 40.0 60.0
 254 9.2 6.2 9.2





#62

1,3-Dichlorobenzene

Concen: 4.165 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV009850.D

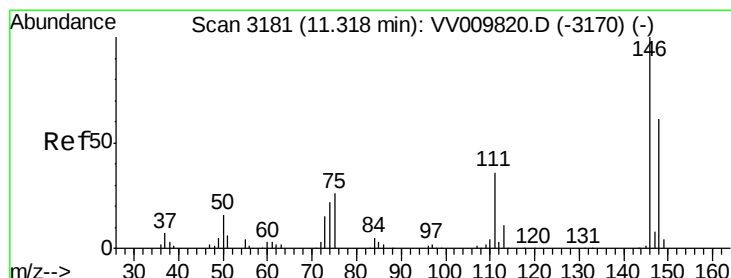
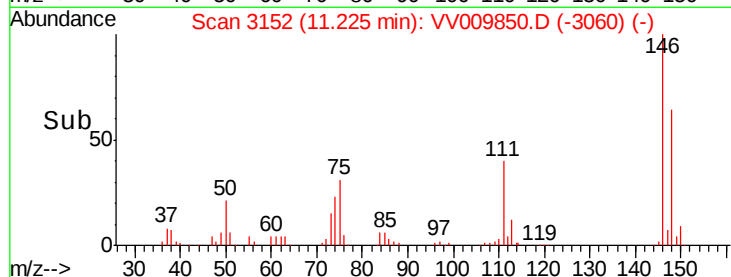
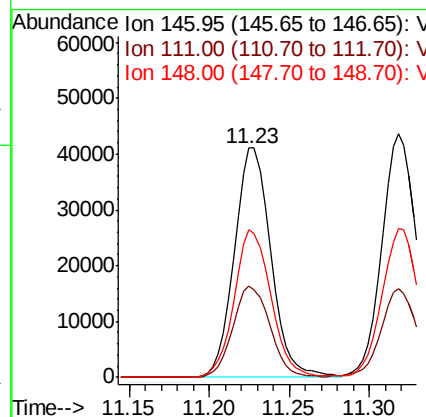
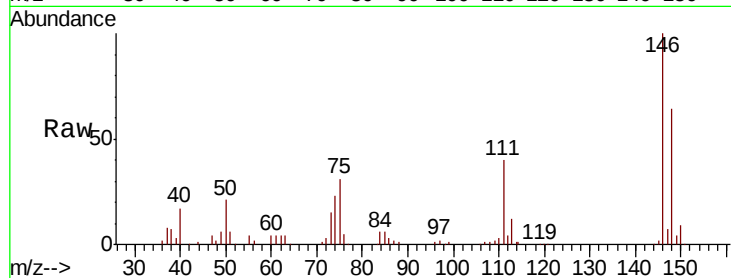
Acq: 23 Mar 2019 15:51

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	63991
Ion Ratio	Lower	Upper
146	100	
111	40.1	29.7 55.1
148	64.2	44.2 82.0



#63

1,4-Dichlorobenzene

Concen: 4.402 ug/L

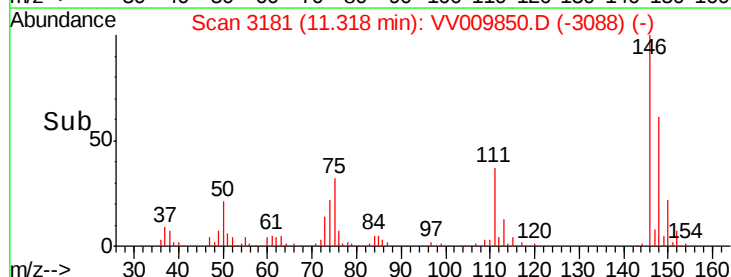
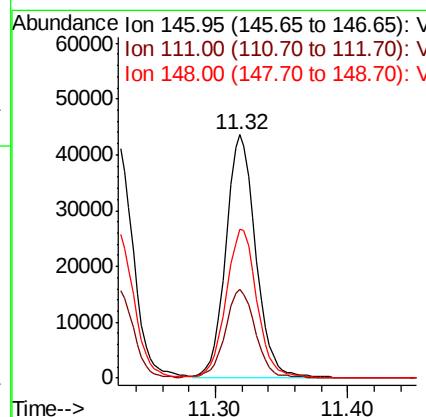
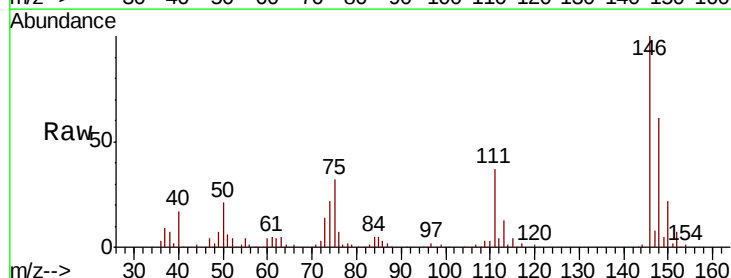
RT: 11.32 min Scan# 3181

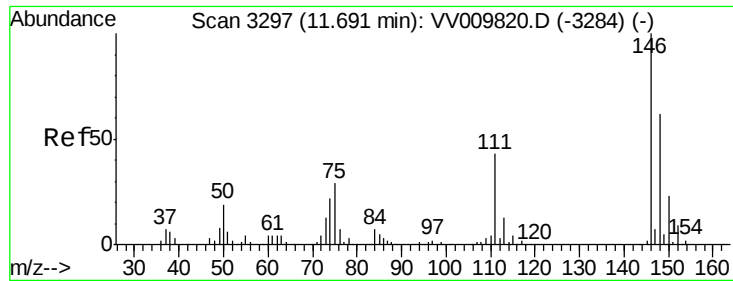
Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Tgt Ion:146	Resp:	68432
Ion Ratio	Lower	Upper
146	100	
111	36.7	27.4 51.0
148	60.9	43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 4.430 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

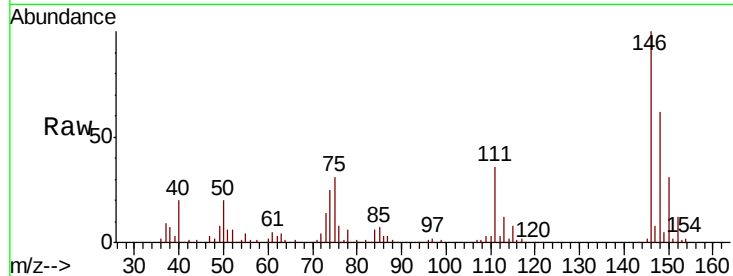
Tot Ion:146 Resp: 64054

Ion Ratio Lower Upper

146 100

111 36.2 34.7 52.1

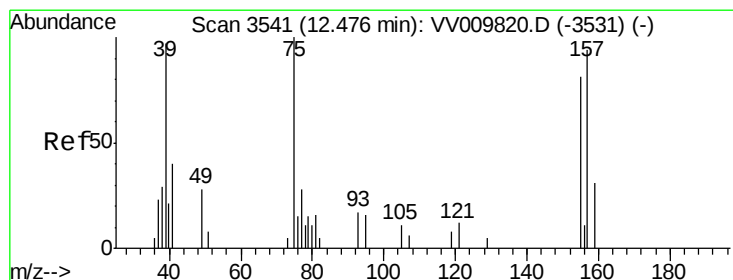
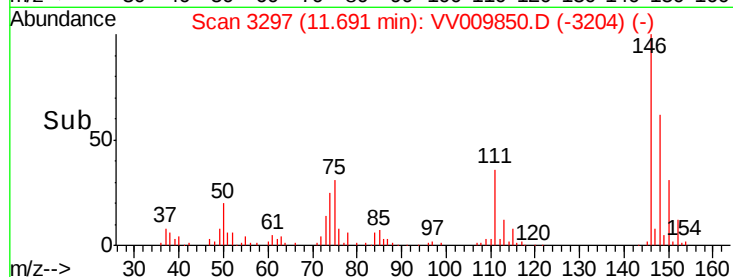
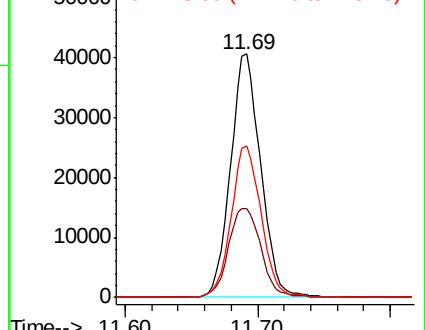
148 62.0 50.6 76.0



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.575 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

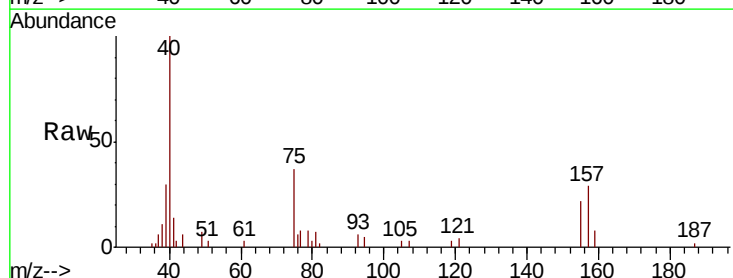
Tgt Ion: 75 Resp: 3538

Ion Ratio Lower Upper

75 100

155 59.9 73.5 110.3#

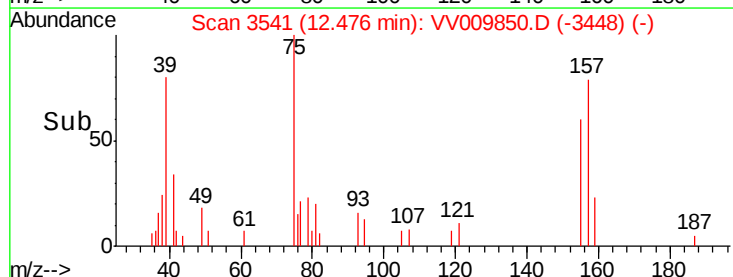
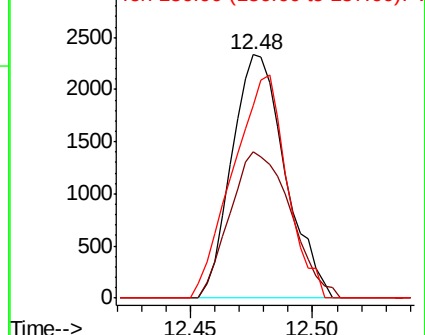
157 79.2 88.3 132.5#

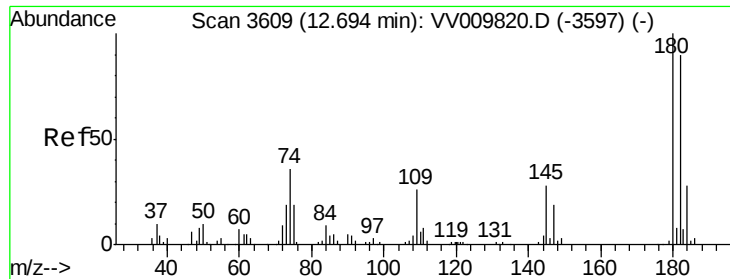


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

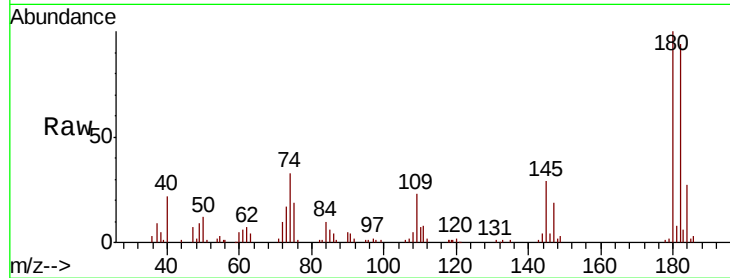




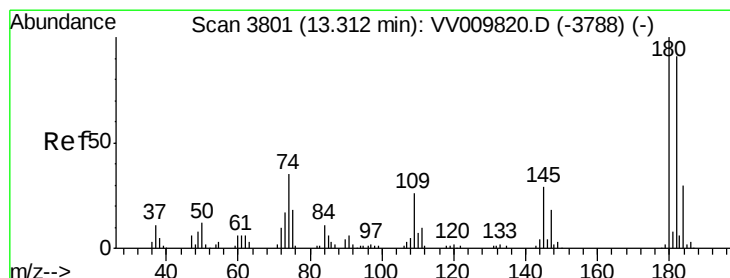
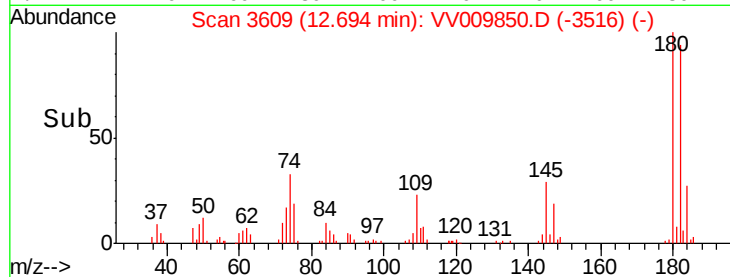
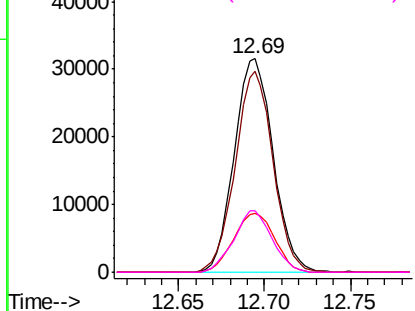
#67
 1,3,5-Trichlorobenzene
 Concen: 4.256 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 49508
 Ion Ratio Lower Upper
 180 100
 182 91.4 75.0 112.6
 184 29.0 23.9 35.9
 145 28.5 25.3 37.9

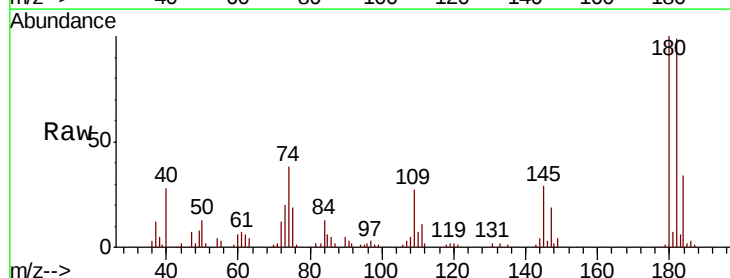


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

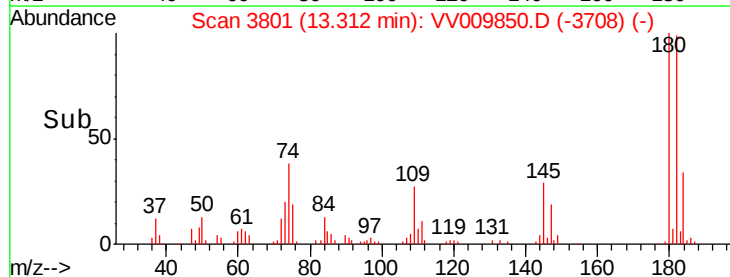
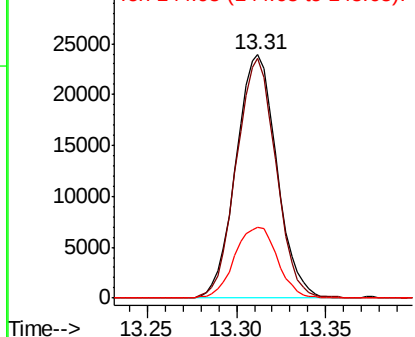


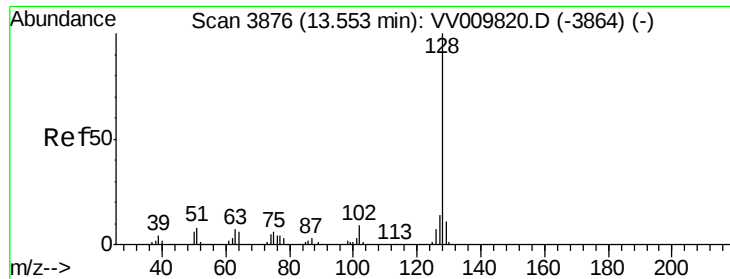
#68
 1,2,4-trichlorobenzene
 Concen: 4.365 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009850.D
 Acq: 23 Mar 2019 15:51

Tgt Ion:180 Resp: 38066
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.2 112.8
 145 30.5 26.6 39.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.977 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

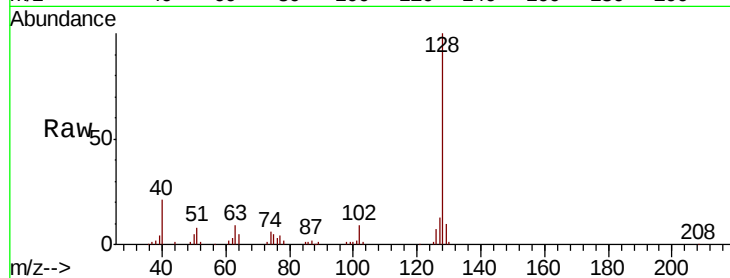
Tot Ion:128 Resp: 54445

Ion Ratio Lower Upper

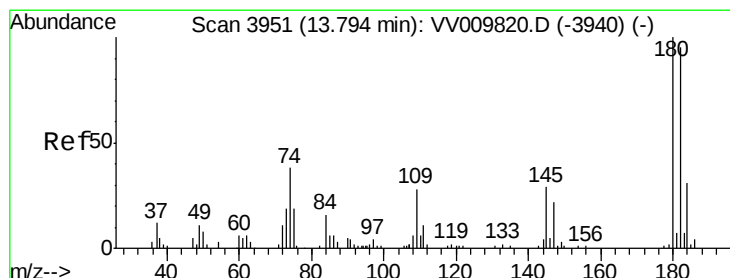
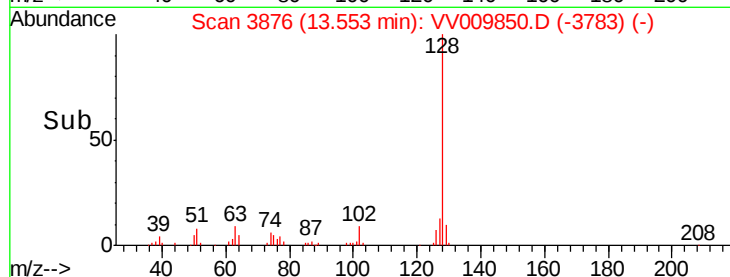
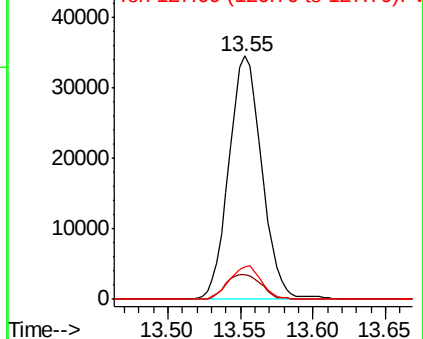
128 100

129 11.0 8.9 13.3

127 13.1 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.491 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009850.D

Acq: 23 Mar 2019 15:51

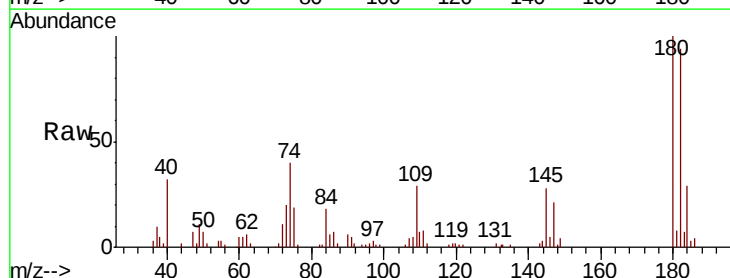
Tgt Ion:180 Resp: 36353

Ion Ratio Lower Upper

180 100

182 94.2 76.8 115.2

145 28.6 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

