

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
 Data File : VV012627.D
 Acq On : 09 Sep 2019 16:47
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 10 09:29:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 10 09:23:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	466928	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	446347	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231411	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	147856	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.58	69	123450	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.13	63	248852	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.96	46	375970	49.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.66%
24) Chloroform-d	4.40	84	277596	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.08	65	132710	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.09	84	534417	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.11	67	169222	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	497660	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	7.66	79	59752	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.13	63	226883	51.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	117735	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	193352	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	212448	5.395	ug/L	100
3) Chloromethane	1.25	50	204891	5.154	ug/L	100
5) Vinyl chloride	1.32	62	211447	5.211	ug/L	97
6) Bromomethane	1.53	94	119913	5.391	ug/L	99
8) Chloroethane	1.60	64	123753	5.158	ug/L	97
9) Trichlorofluoromethane	1.77	101	272789	5.358	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	161841	5.314	ug/L	100
12) 1,1-Dichloroethene	2.14	96	152321	5.252	ug/L	90
13) Acetone	2.23	43	231181	51.748	ug/L	100
14) Carbon disulfide	2.31	76	412079	5.283	ug/L	99
15) Methyl Acetate	2.47	43	60194	5.008	ug/L	99
16) Methylene chloride	2.53	84	164079	4.628	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	357080	5.248	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	171222	5.251	ug/L	97
19) 1,1-Dichloroethane	3.23	63	328056	5.344	ug/L	99
21) 2-Butanone	4.05	43	426740	55.702	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	189263	5.343	ug/L	97

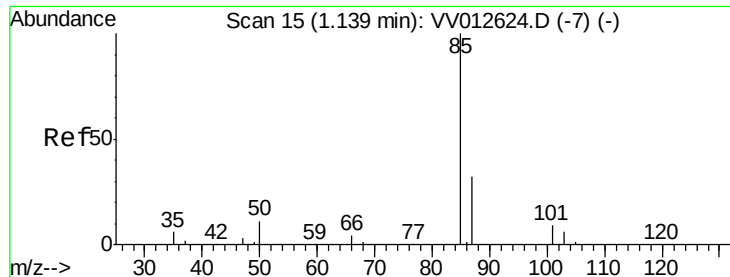
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 10 09:23:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	80102	5.291	ug/L	96
25) Chloroform	4.42	83	340559	5.037	ug/L	98
27) 1,2-Dichloroethane	5.18	62	187296	5.284	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	267279	5.441	ug/L	100
30) Cyclohexane	4.72	56	278228	5.688	ug/L	99
31) Carbon tetrachloride	4.87	117	237767	5.495	ug/L	99
33) Benzene	5.14	78	730993	5.603	ug/L	100
34) Trichloroethene	5.96	95	199433	5.532	ug/L	97
35) Methylcyclohexane	6.17	83	293969	5.770	ug/L	100
37) 1,2-Dichloropropane	6.22	63	181048	5.573	ug/L	100
38) Bromodichloromethane	6.55	83	224270	5.330	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	242254	5.683	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	1026100	56.968	ug/L	100
42) Toluene	7.43	91	780809	5.761	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	181458	5.645	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	124110	5.484	ug/L	97
47) Tetrachloroethene	8.02	164	155840	5.507	ug/L	99
48) 2-Hexanone	8.19	43	752331	58.373	ug/L	100
49) Dibromochloromethane	8.29	129	145460	5.404	ug/L	97
50) 1,2-Dibromoethane	8.39	107	109253	5.448	ug/L	97
51) Chlorobenzene	8.92	112	490371	5.504	ug/L	98
52) Ethylbenzene	9.05	91	831304	5.703	ug/L	100
53) m,p-xylene	9.18	106	321507	5.835	ug/L	100
54) o-xylene	9.59	106	305205	5.783	ug/L	100
55) Styrene	9.60	104	521549	5.943	ug/L	99
56) Isopropylbenzene	9.97	105	827763	5.922	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	119015	5.275	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	104066	5.429	ug/L	98
61) Bromoform	9.77	173	77407	5.017	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	400080	5.581	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	395484	5.465	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	360147	5.335	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	17296	4.917	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	302627	5.573	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	241224	5.612	ug/L	99
69) Naphthalene	13.55	128	361405	5.561	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	230444	5.685	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.395 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

Instrument :

MSVOA_V

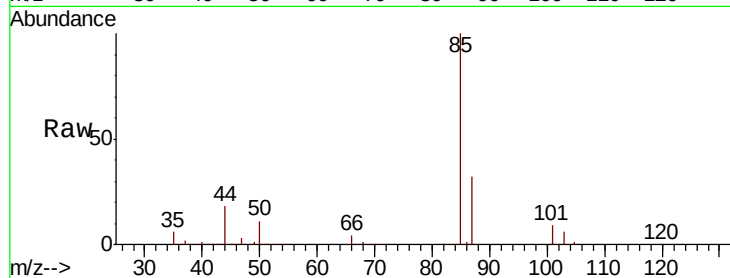
ClientSampleId :

Tot Ion: 85 Resp: 212448

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

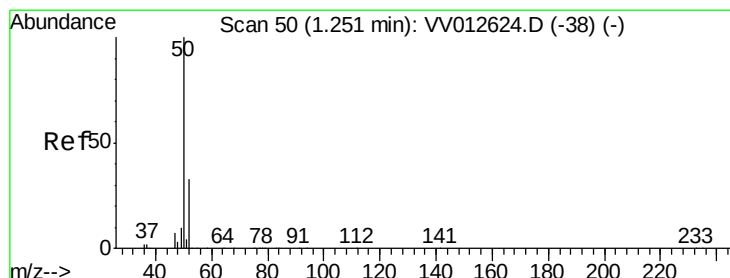
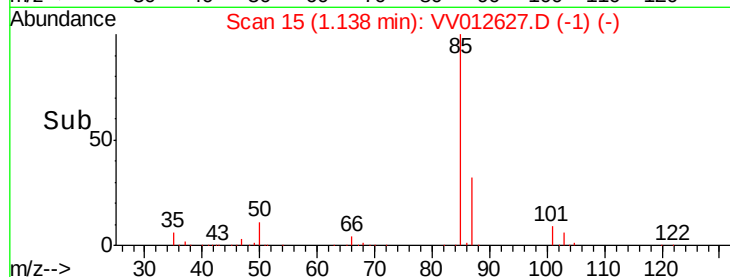
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.154 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012627.D

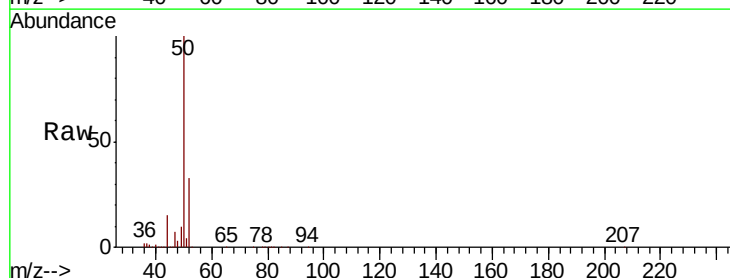
Acq: 09 Sep 2019 16:47

Tgt Ion: 50 Resp: 204891

Ion Ratio Lower Upper

50 100

52 32.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

200000

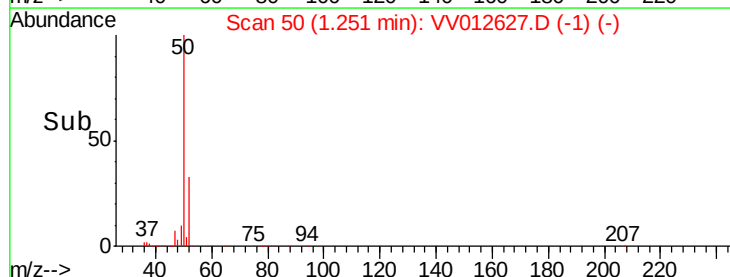
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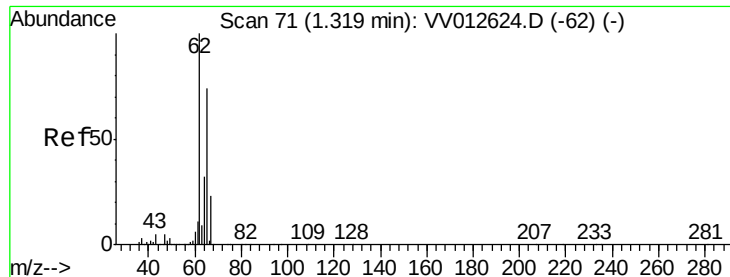
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.211 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

Instrument :

MSVOA_V

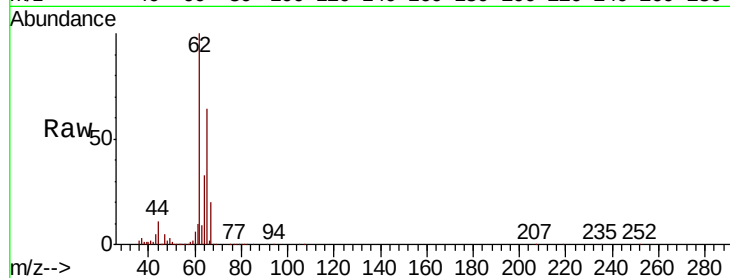
ClientSampled :

Tot Ion: 62 Resp: 211447

Ion Ratio Lower Upper

62 100

64 33.0 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

200000

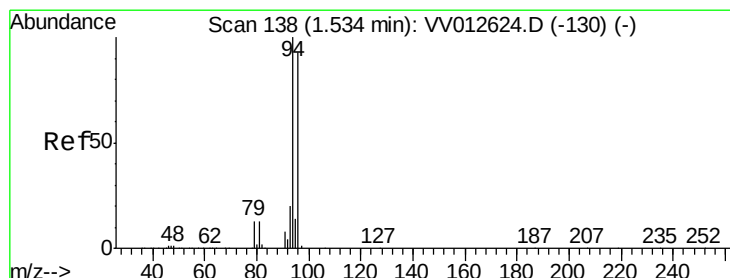
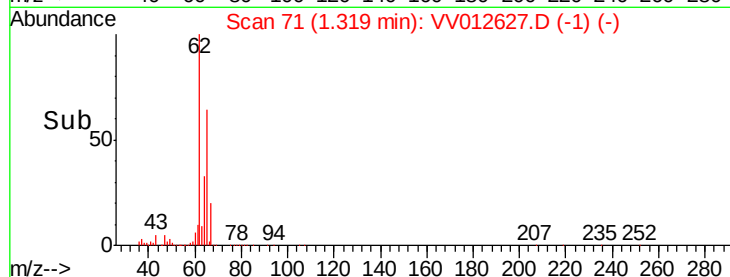
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.391 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012627.D

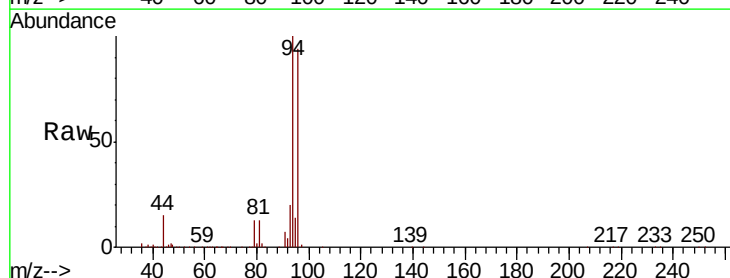
Acq: 09 Sep 2019 16:47

Tgt Ion: 94 Resp: 119913

Ion Ratio Lower Upper

94 100

96 94.1 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

120000

100000

80000

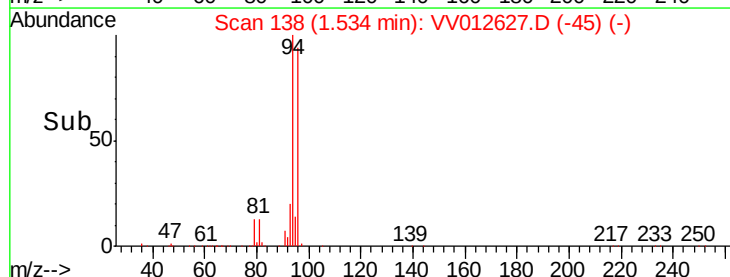
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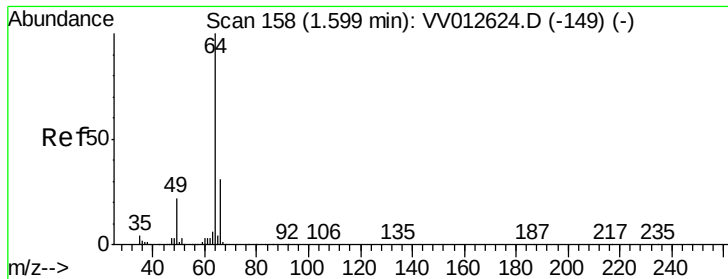
40000

20000

0

Time-->





#8

Chloroethane

Concen: 5.158 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

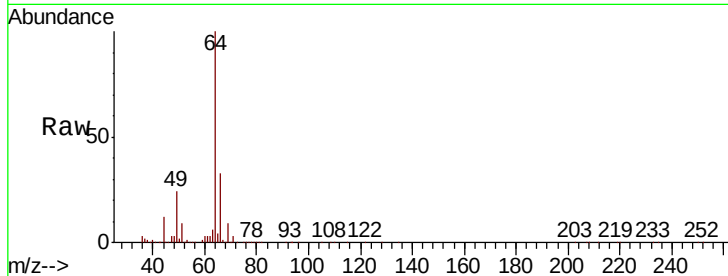
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 123753

Ion Ratio Lower Upper

64 100

66 32.6 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VV012627.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012627.D (-149) (-)

1.60

120000

100000

80000

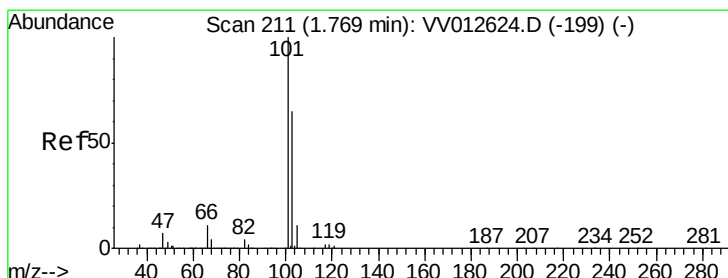
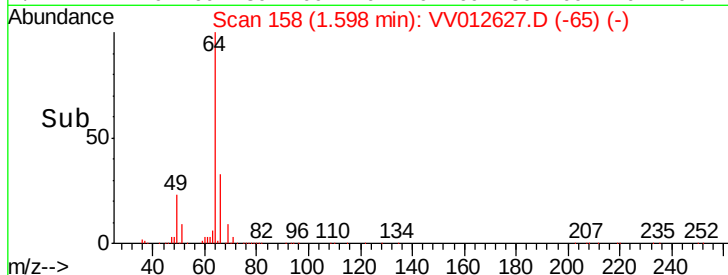
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.358 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012627.D

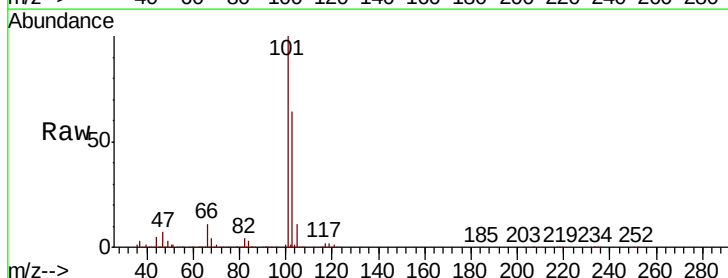
Acq: 09 Sep 2019 16:47

Tgt Ion: 101 Resp: 272789

Ion Ratio Lower Upper

101 100

103 64.7 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VV012627.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012627.D (-199) (-)

1.77

250000

200000

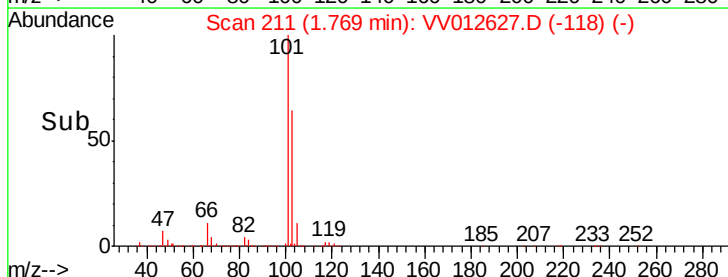
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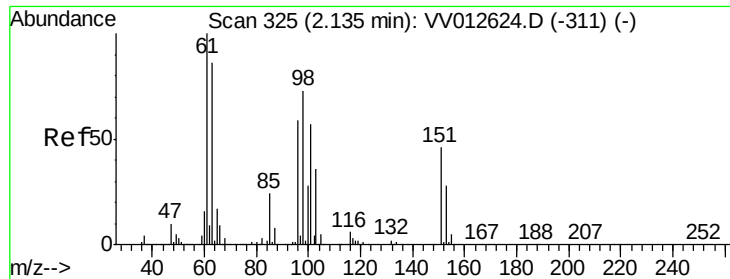
100000

50000

0

Time-->





#10

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

Concen: 5.314 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

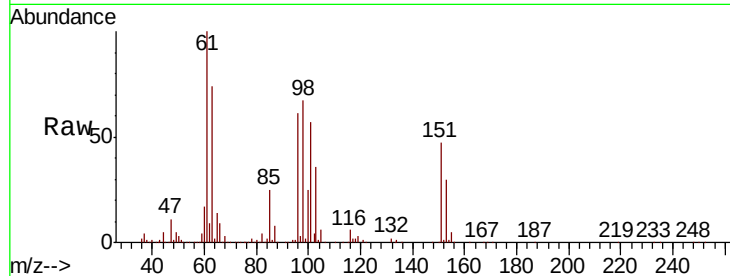
Tot Ion:101 Resp: 161841

Ion Ratio Lower Upper

101 100

85 41.9 33.0 49.6

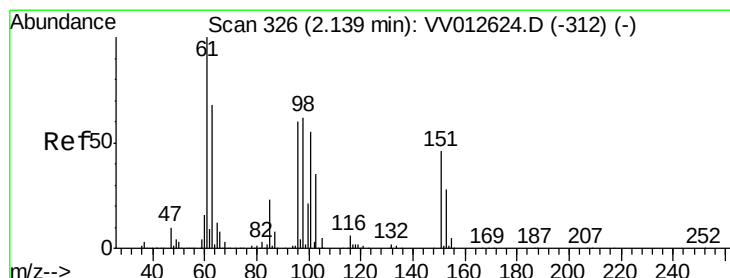
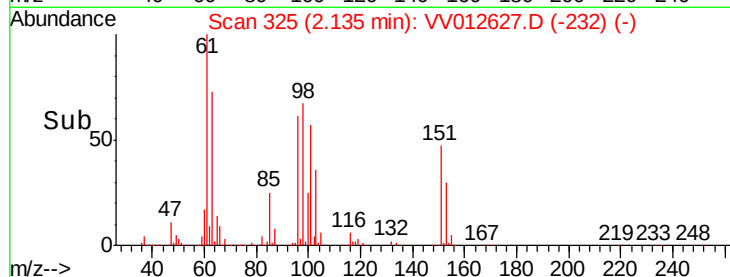
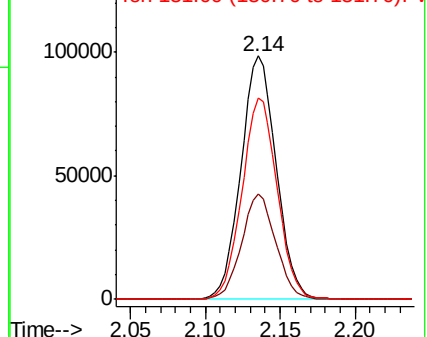
151 82.3 65.8 98.8



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: 5.252 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

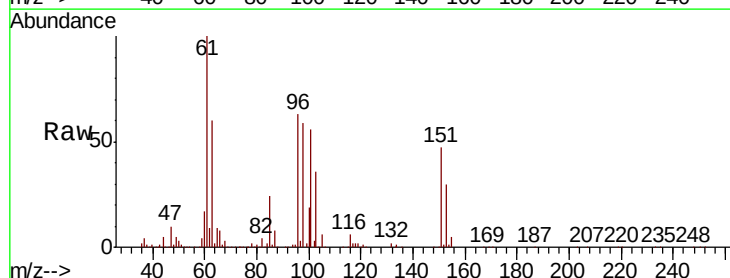
Tgt Ion: 96 Resp: 152321

Ion Ratio Lower Upper

96 100

61 159.1 115.8 215.0

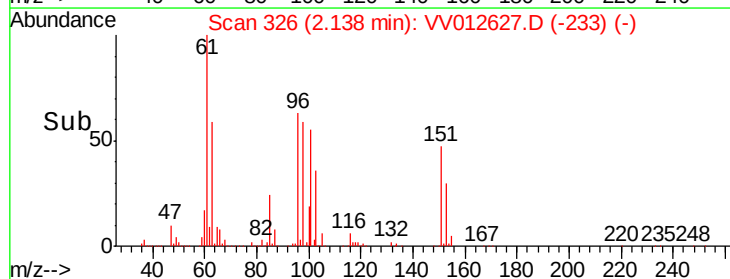
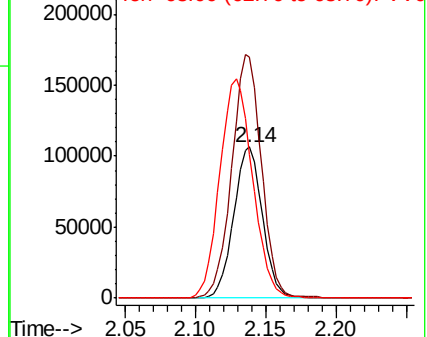
63 94.7 79.4 147.4

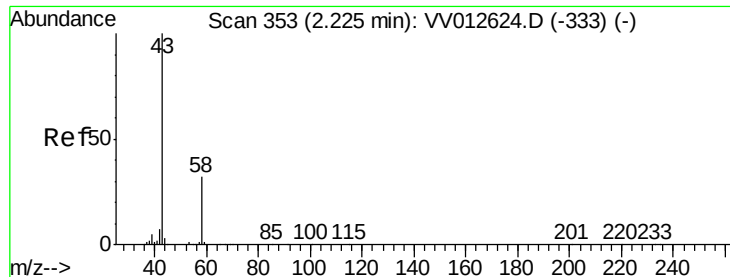


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.748 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

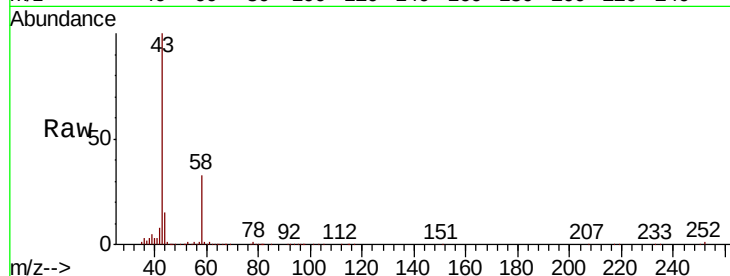
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 231181

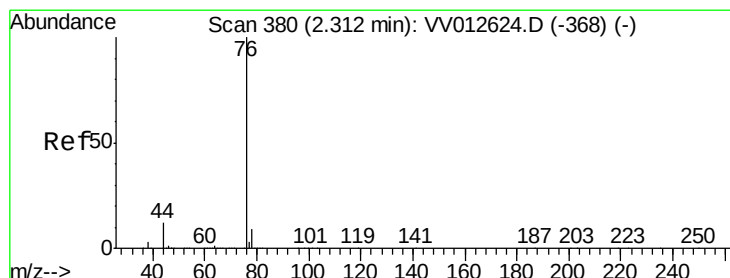
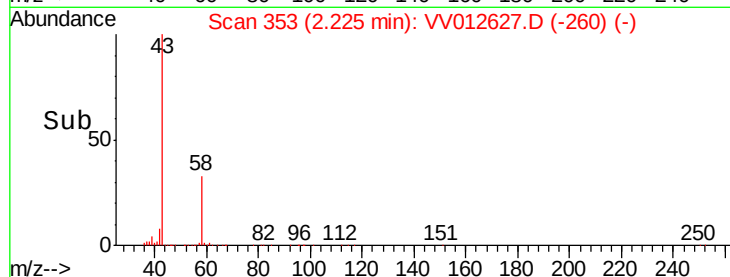
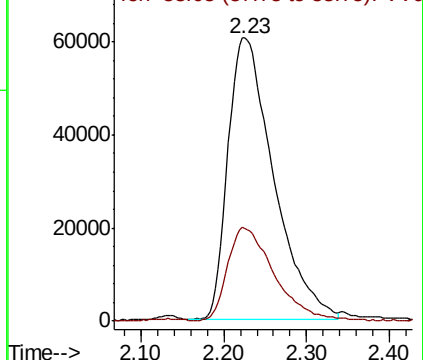
Ion Ratio Lower Upper

43 100

58 33.5 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.283 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012627.D

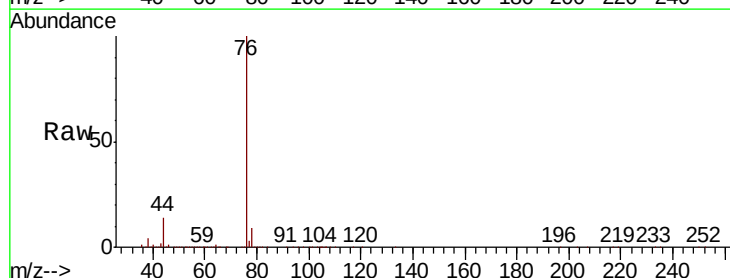
Acq: 09 Sep 2019 16:47

Tgt Ion: 76 Resp: 412079

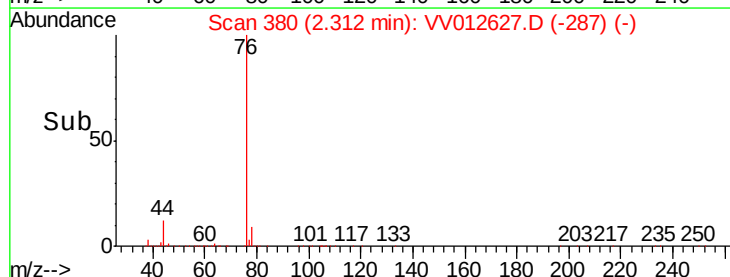
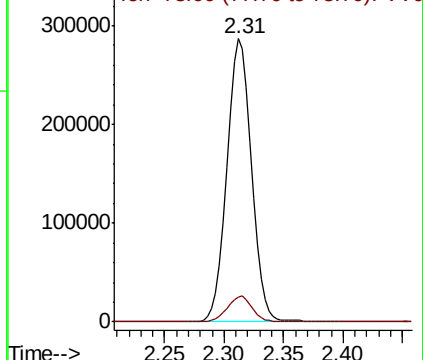
Ion Ratio Lower Upper

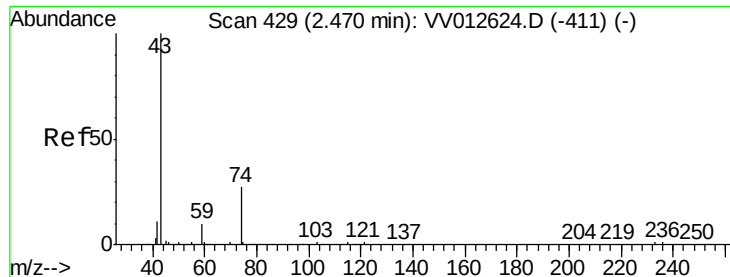
76 100

78 8.9 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0
Ion 78.00 (77.70 to 78.70): VV0

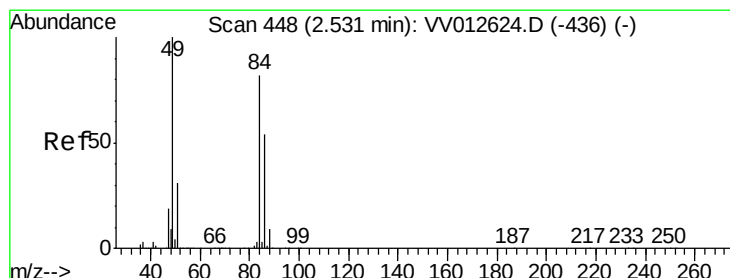
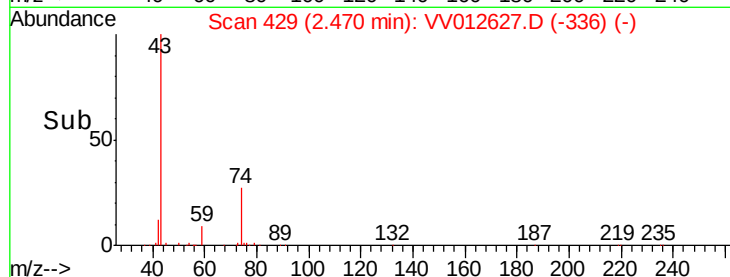
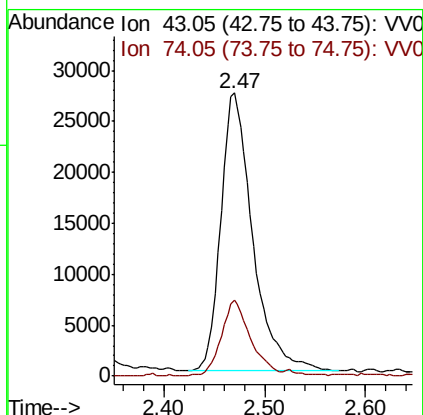
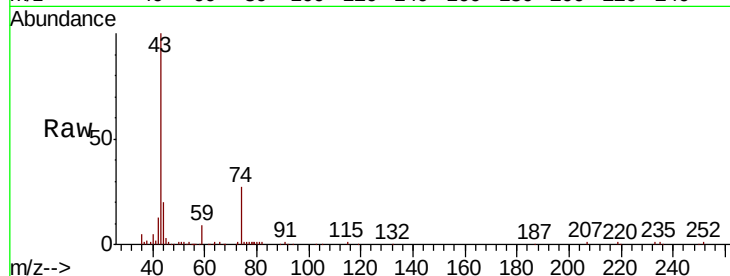




#15
Methvl Acetate
Concen: 5.008 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

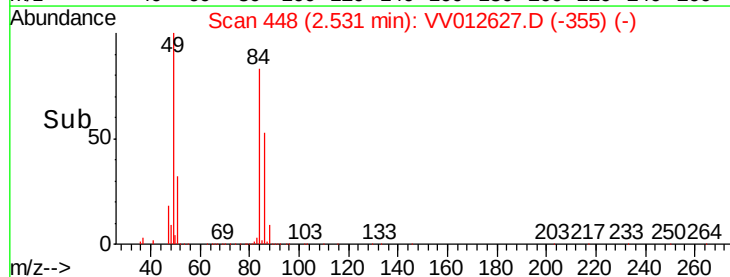
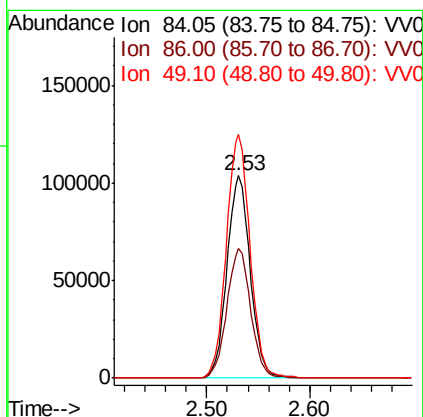
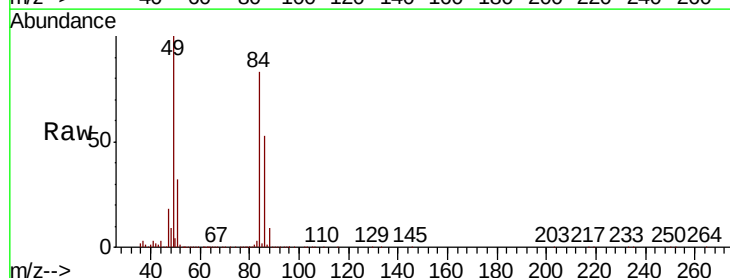
Instrument :
MSVOA_V
ClientSampleId :

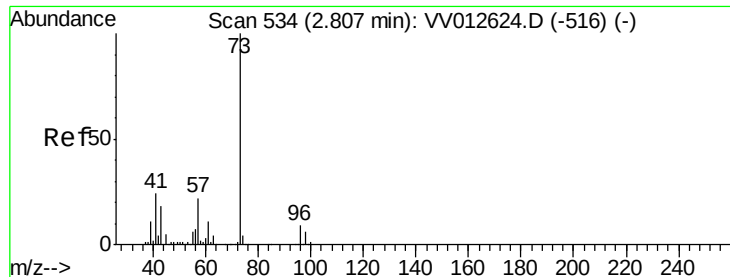
Tot Ion: 43 Resp: 60194
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.6



#16
Methylene chloride
Concen: 4.628 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

Tgt Ion: 84 Resp: 164079
Ion Ratio Lower Upper
84 100
86 64.2 46.1 85.7
49 120.4 85.3 158.3

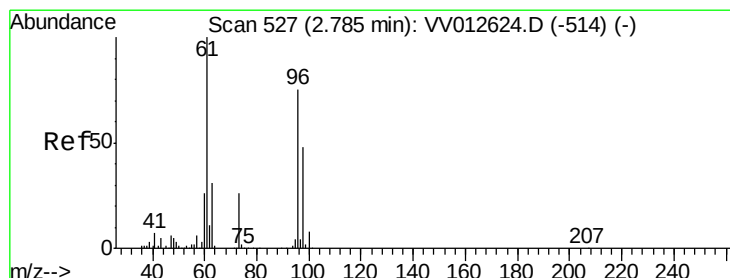
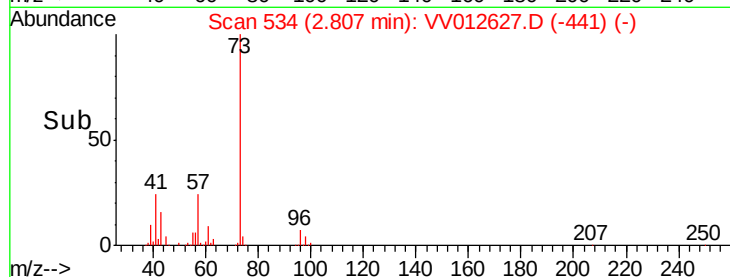
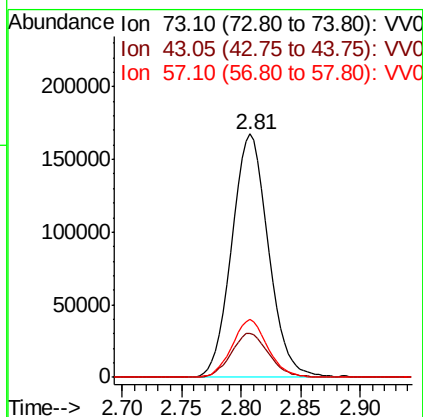
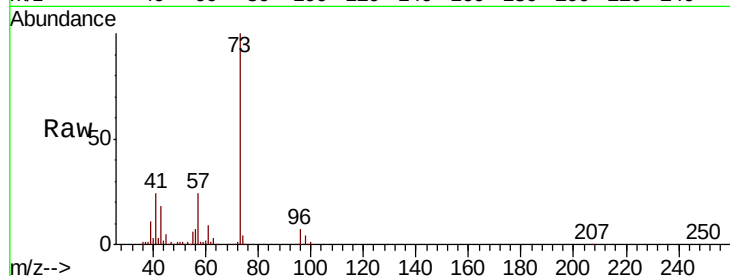




#17
Methyl tert-butyl Ether
Concen: 5.248 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

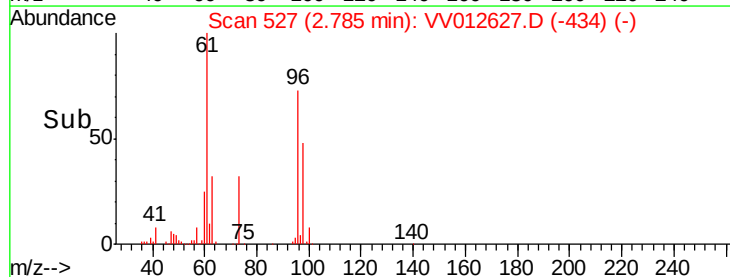
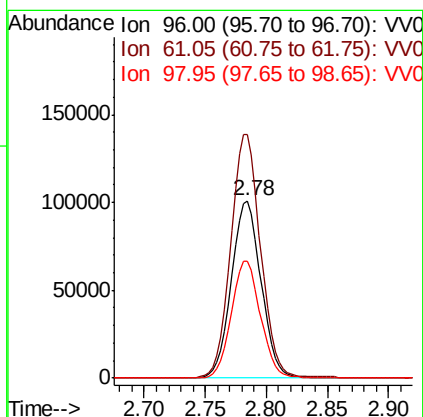
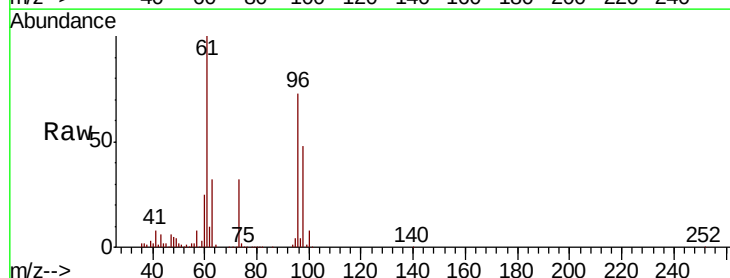
Instrument :
MSVOA_V
ClientSampleId :

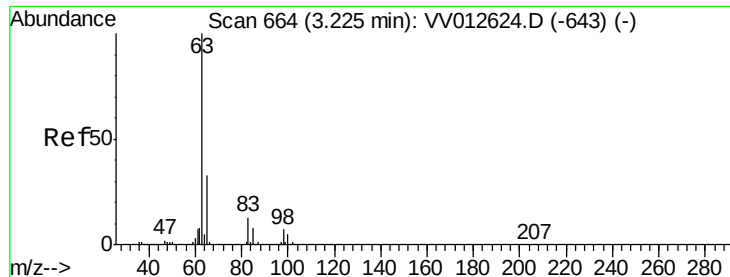
Tot Ion: 73 Resp: 357080
Ion Ratio Lower Upper
73 100
43 18.3 14.6 21.8
57 23.2 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.251 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

Tgt Ion: 96 Resp: 171222
Ion Ratio Lower Upper
96 100
61 137.0 93.0 172.8
98 66.2 44.7 83.1

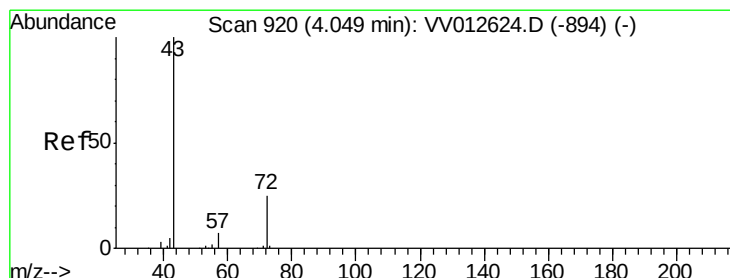
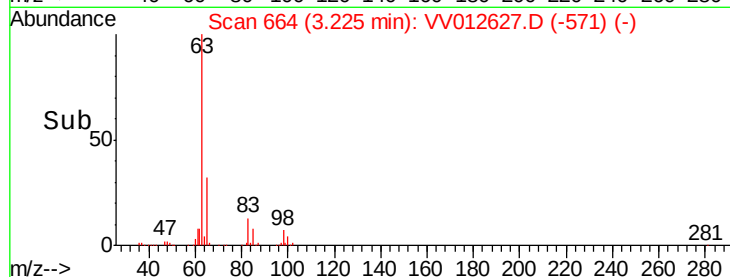
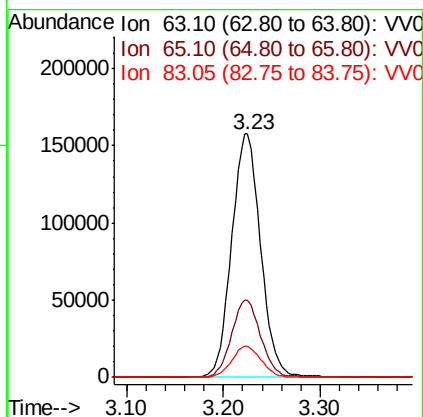
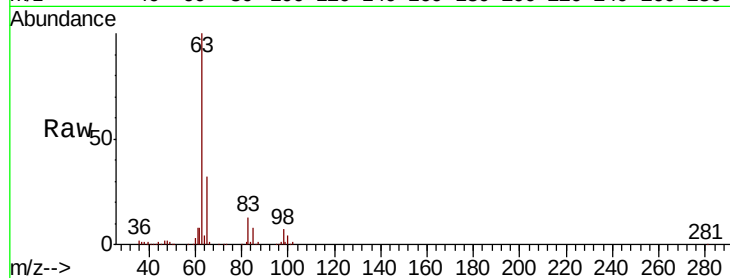




#19
 1,1-Dichloroethane
 Concen: 5.344 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

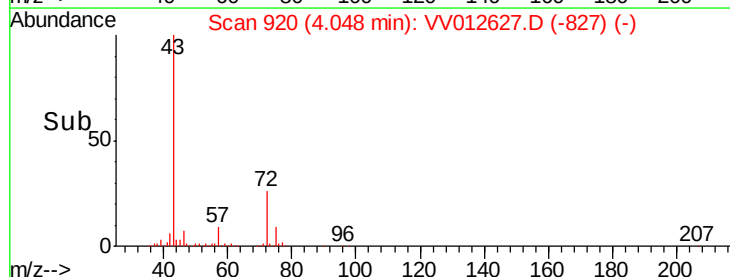
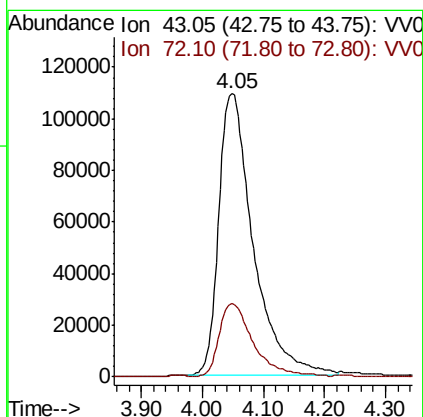
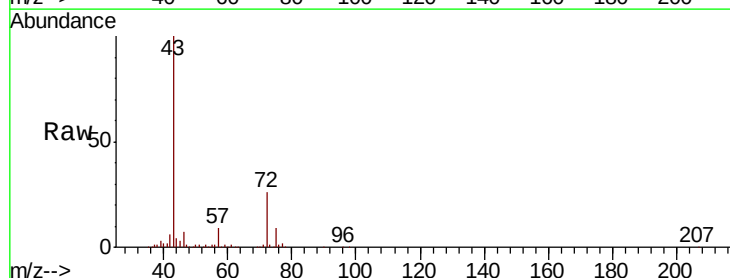
Instrument :
 MSVOA_V
 ClientSampleId :

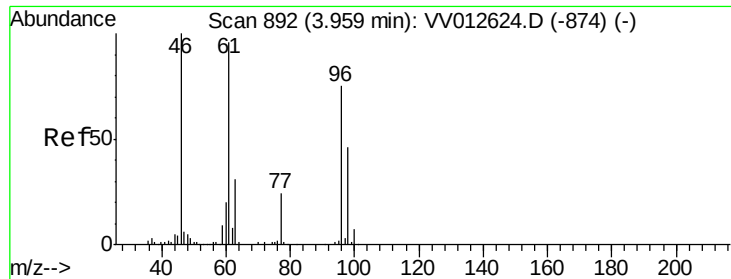
Tot Ion: 63 Resp: 328056
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.7 42.3
 83 12.7 9.1 16.9



#21
 2-Butanone
 Concen: 55.702 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

Tgt Ion: 43 Resp: 426740
 Ion Ratio Lower Upper
 43 100
 72 25.4 13.0 38.9



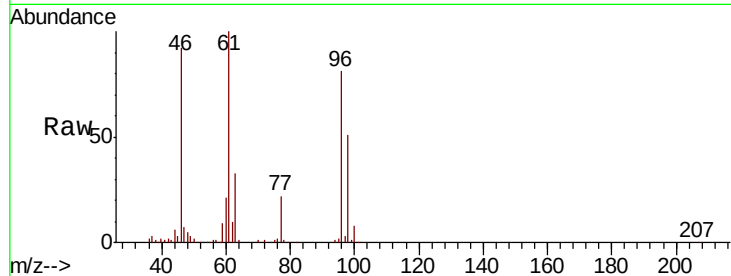


#22

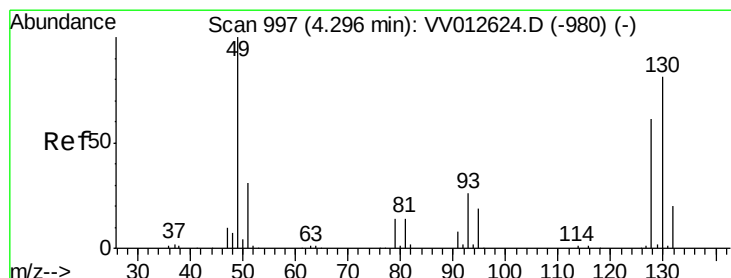
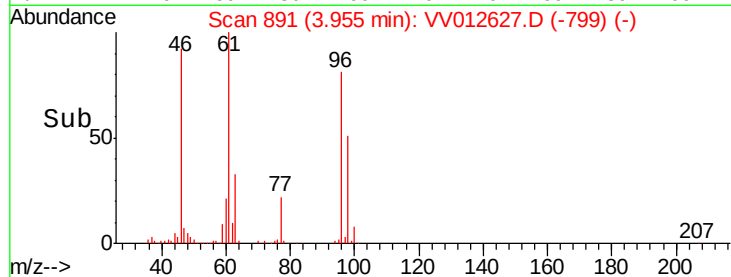
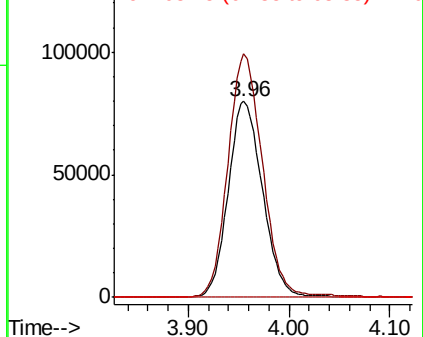
cis-1,2-Dichloroethene
Concen: 5.343 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 189263
Ion Ratio Lower Upper
96 100
61 124.1 89.7 166.5
68 0.0 0.0 0.0



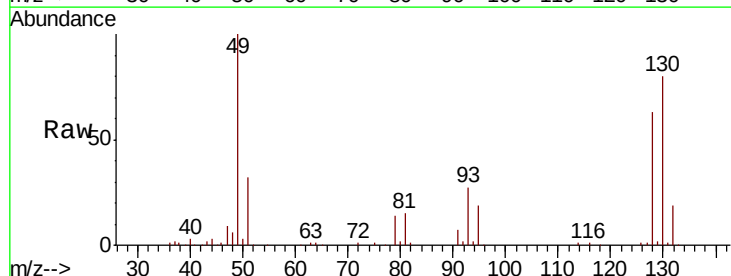
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



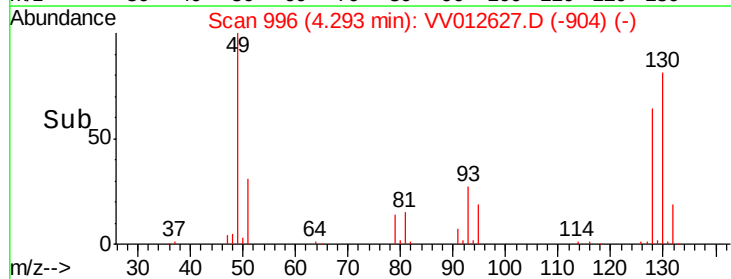
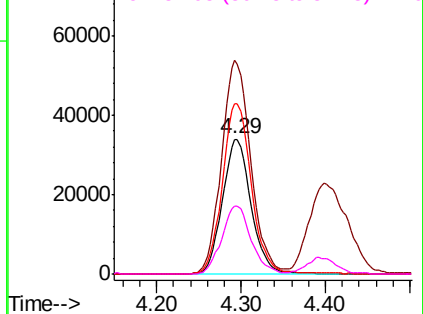
#23

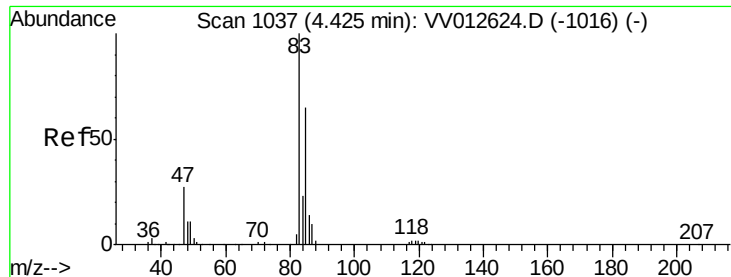
Bromochloromethane
Concen: 5.291 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

Tgt Ion: 128 Resp: 80102
Ion Ratio Lower Upper
128 100
49 158.7 115.2 214.0
130 127.0 92.9 172.5
51 50.6 40.8 61.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

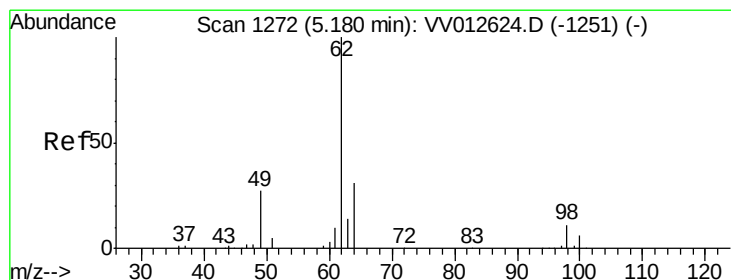
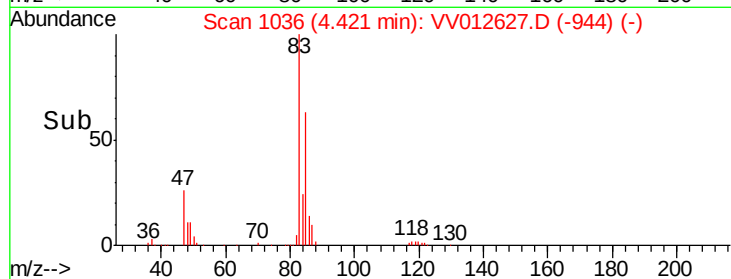
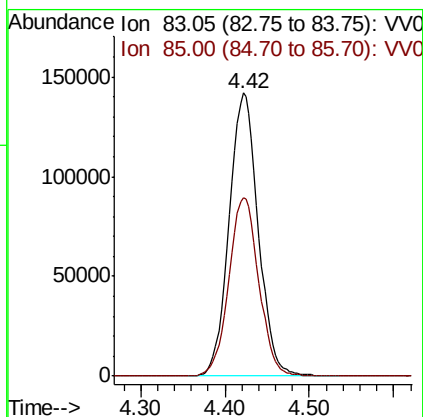
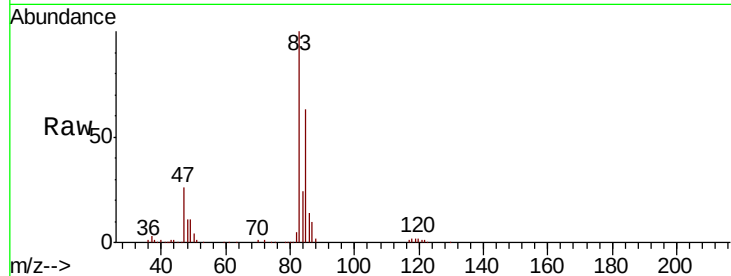




#25
Chloroform
Concen: 5.037 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

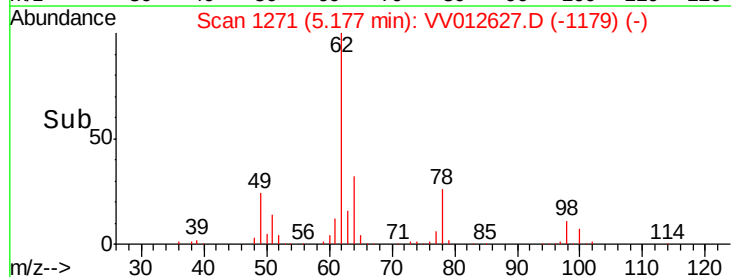
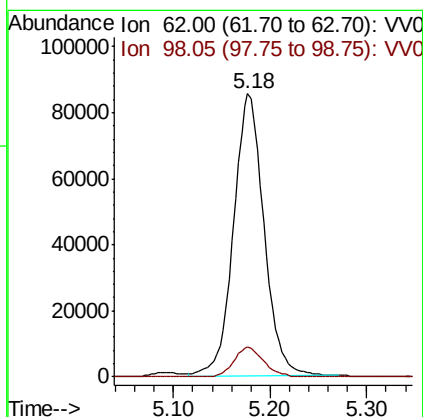
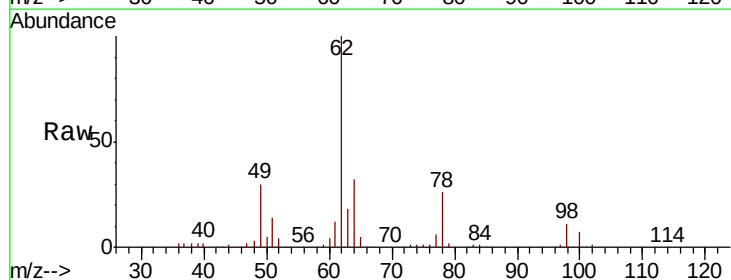
Instrument :
MSVOA_V
ClientSampleId :

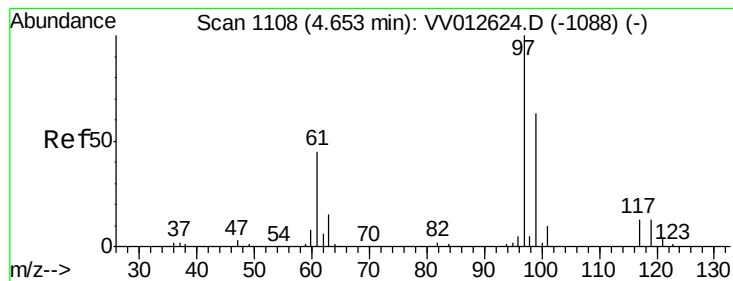
Tot Ion: 83 Resp: 340559
Ion Ratio Lower Upper
83 100
85 63.2 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.284 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

Tgt Ion: 62 Resp: 187296
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.441 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

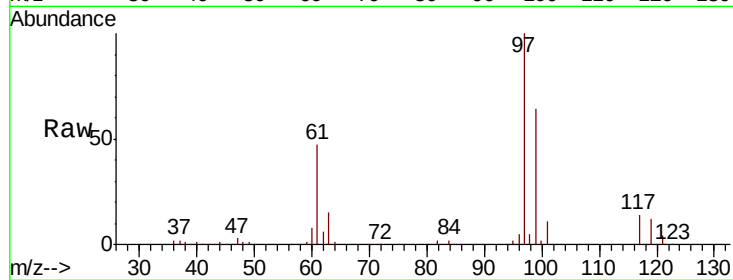
Tot Ion: 97 Resp: 267279

Ion Ratio Lower Upper

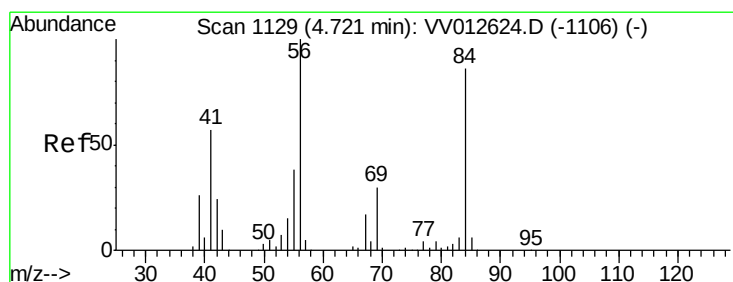
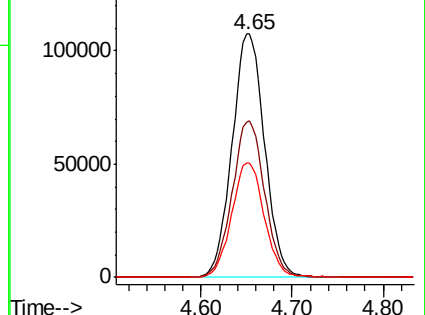
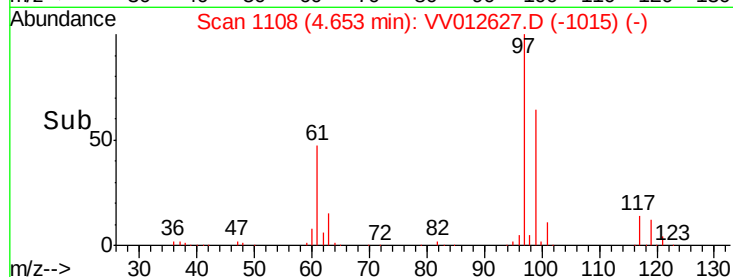
97 100

99 64.1 51.6 77.4

61 47.1 37.5 56.3



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: 5.688 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

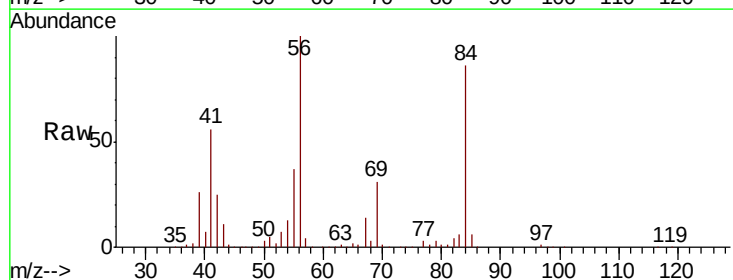
Tgt Ion: 56 Resp: 278228

Ion Ratio Lower Upper

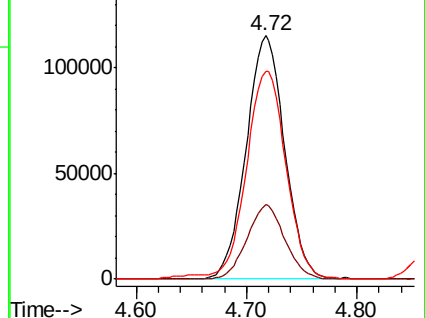
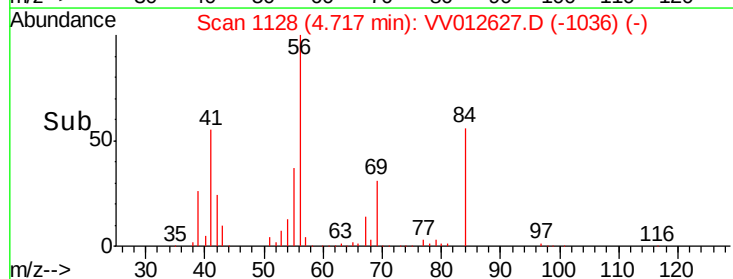
56 100

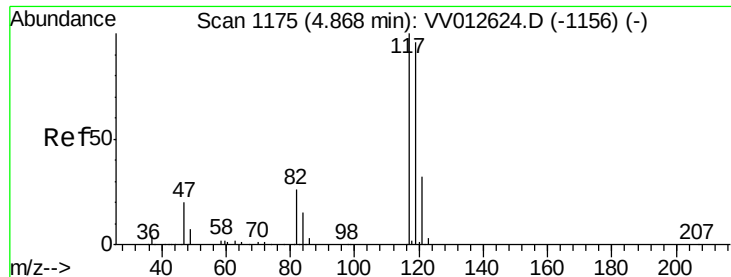
69 30.1 23.8 35.8

84 89.0 70.1 105.1



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

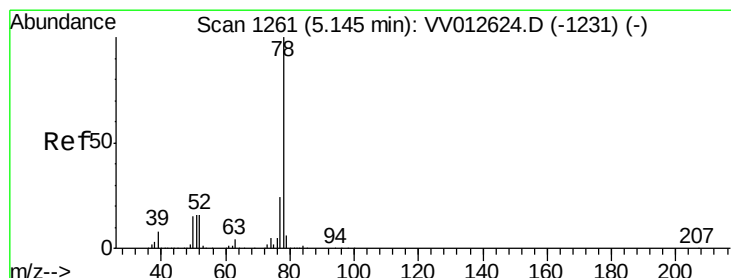
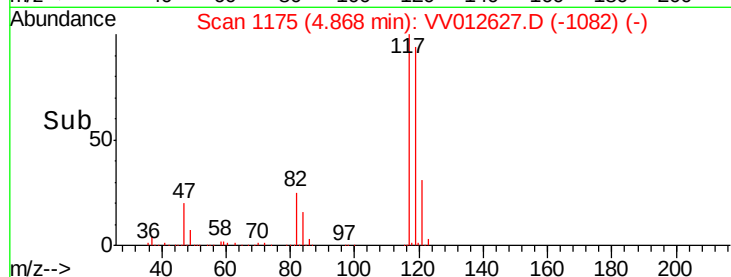
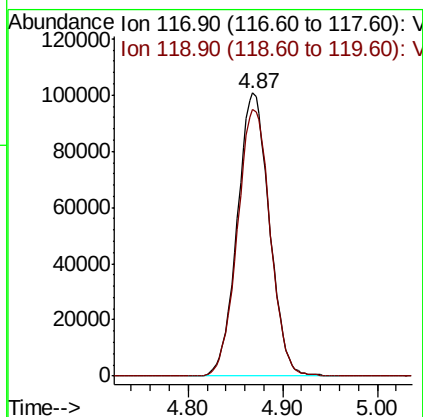
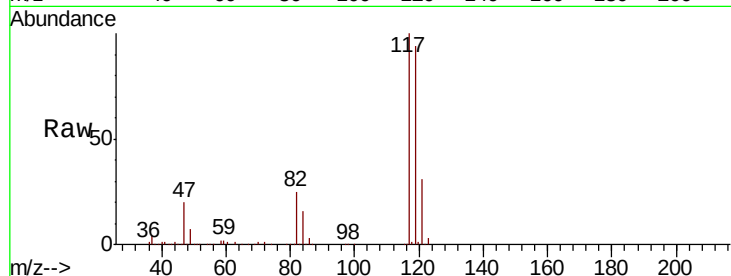




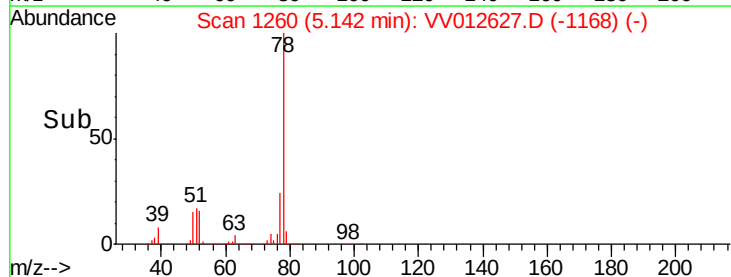
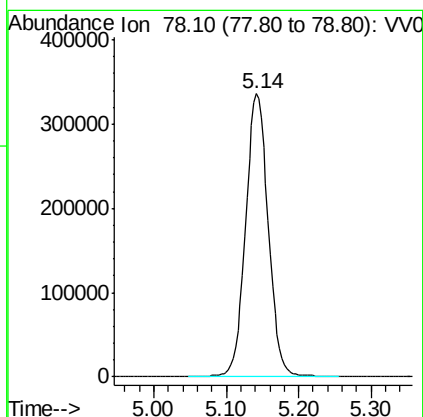
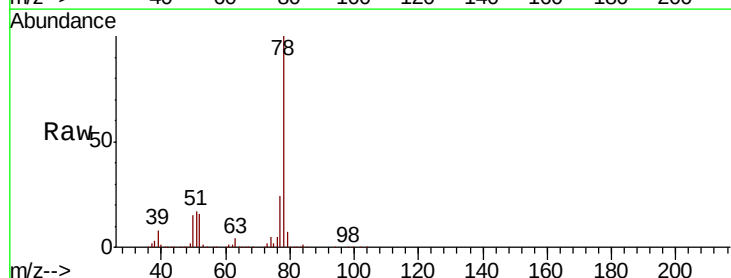
#31
Carbon tetrachloride
Concen: 5.495 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

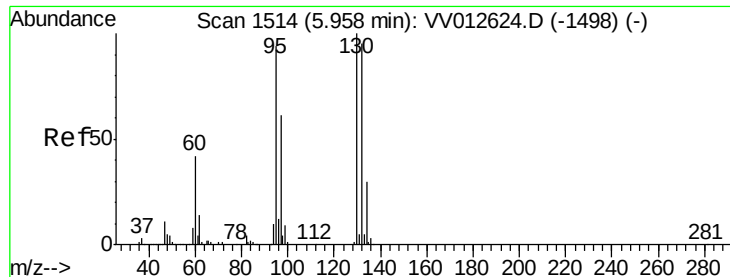
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 237767
Ion Ratio Lower Upper
117 100
119 96.2 77.7 116.5



#33
Benzene
Concen: 5.603 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47
Tgt Ion: 78 Resp: 730993





#34

Trichloroethene

Concen: 5.532 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 199433

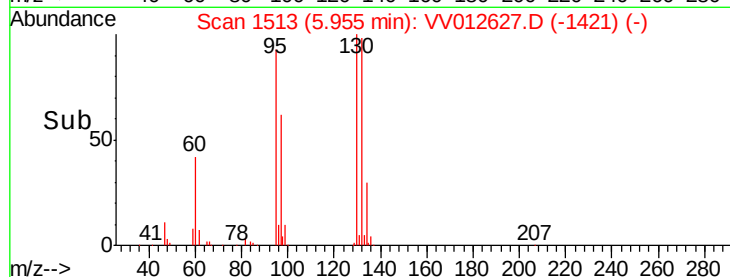
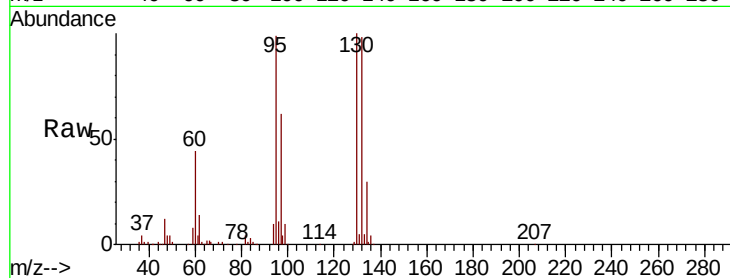
Ion Ratio Lower Upper

95 100

97 62.8 45.4 84.2

132 98.5 70.2 130.4

130 101.0 74.2 137.8



Abundance Ion 95.00 (94.70 to 95.70): VV012627.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV012627.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV012627.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV012627.D (-1421) (-)

Time-->

5.85 5.90 5.95 6.00 6.05

Abundance

150000

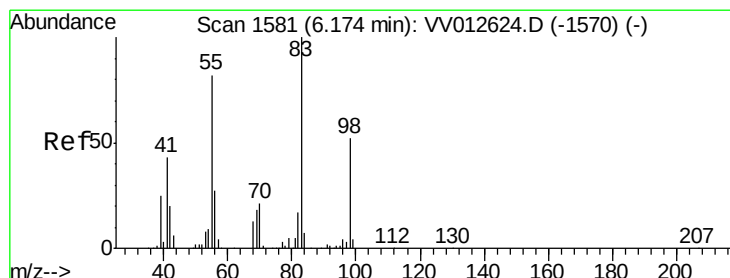
100000

50000

0

Time-->

5.85 5.90 5.95 6.00 6.05



#35

Methylcyclohexane

Concen: 5.770 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

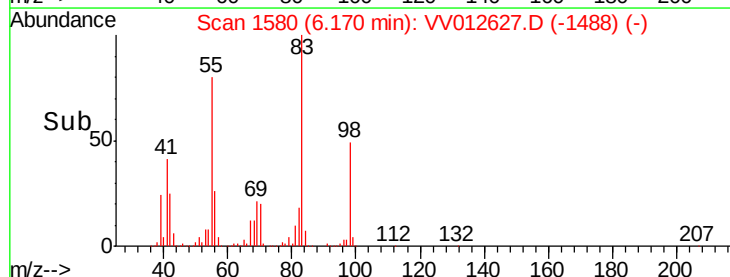
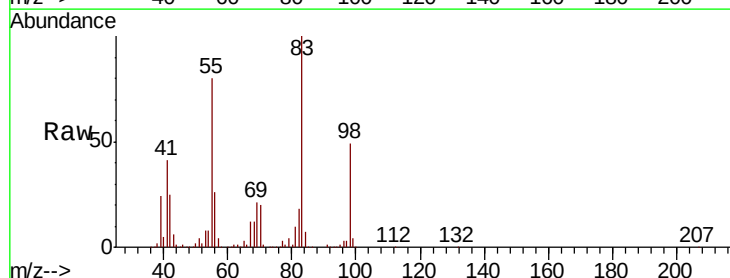
Tgt Ion: 83 Resp: 293969

Ion Ratio Lower Upper

83 100

55 78.7 63.0 94.4

98 49.4 39.8 59.8



Abundance Ion 83.15 (82.85 to 83.85): VV012627.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV012627.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV012627.D (-1488) (-)

Time-->

6.10 6.15 6.20 6.25

Abundance

200000

150000

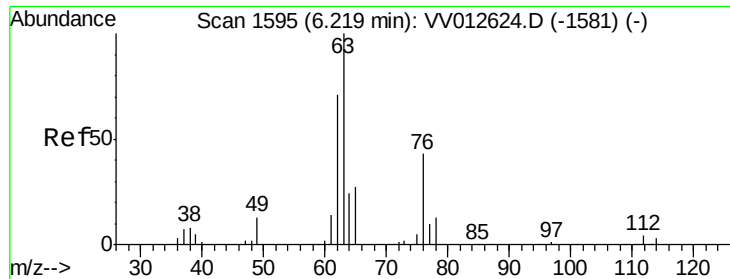
100000

50000

0

Time-->

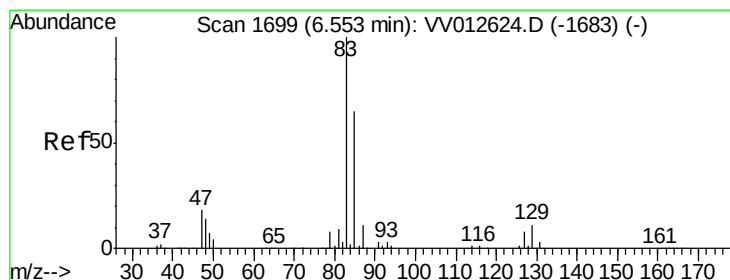
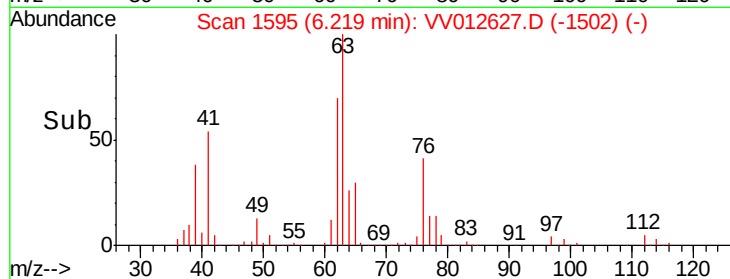
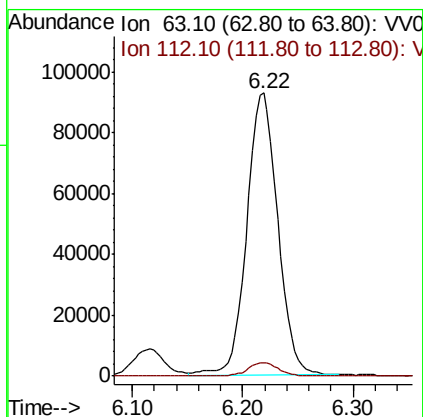
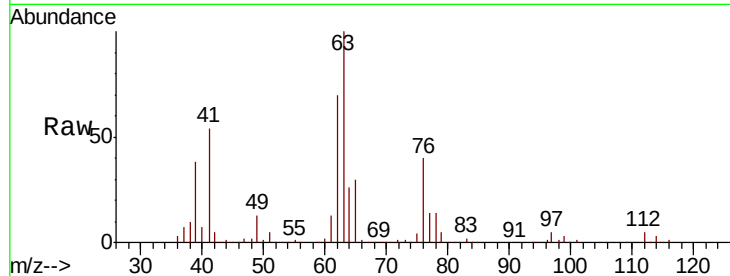
6.10 6.15 6.20 6.25



#37
 1,2-Dichloropropane
 Concen: 5.573 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

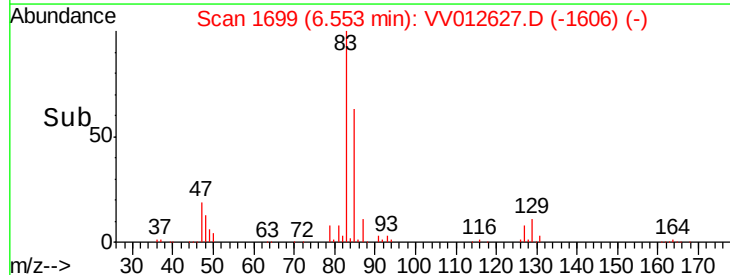
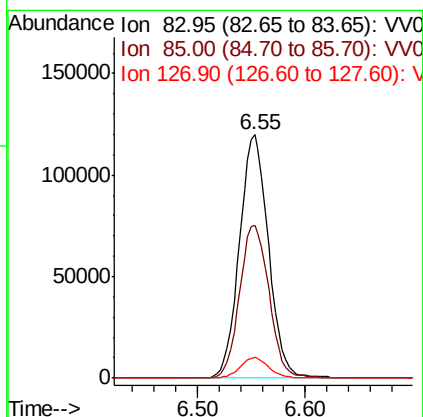
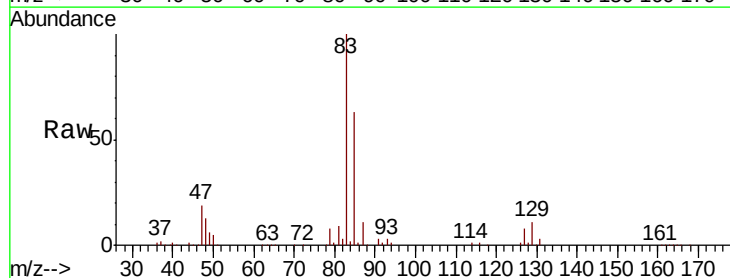
Instrument :
 MSVOA_V
 ClientSampled :

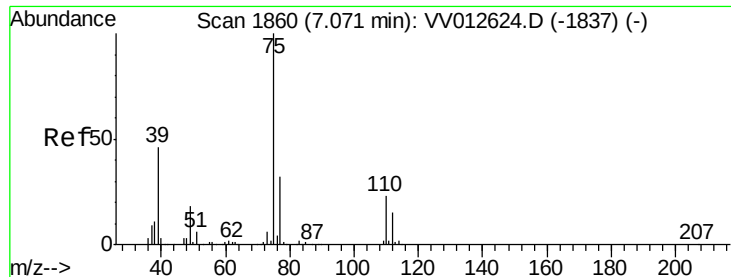
Tot Ion: 63 Resp: 181048
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.330 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

Tgt Ion: 83 Resp: 224270
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.3 84.1
 127 8.3 6.8 10.2



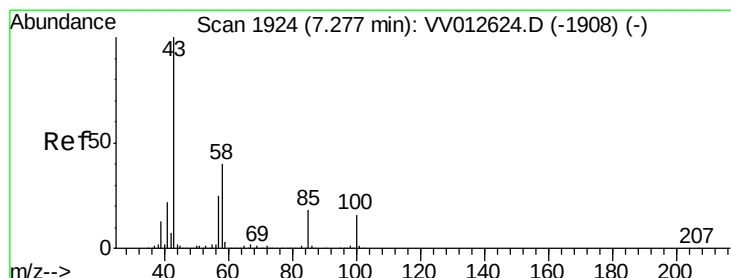
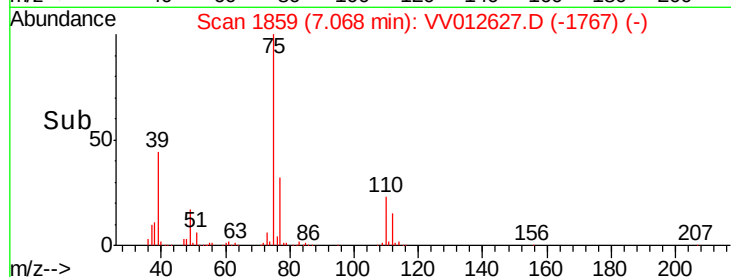
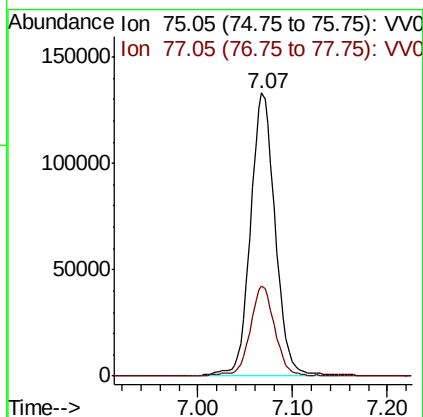
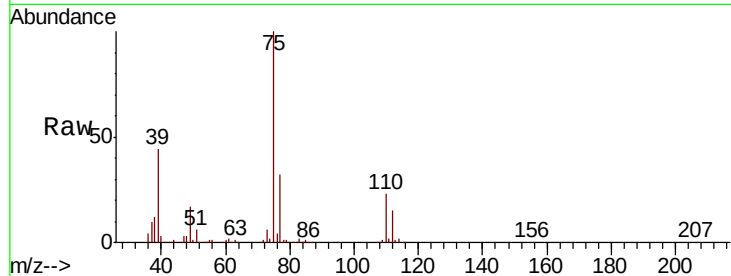


#39

cis-1,3-Dichloropropene
 Concen: 5.683 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

Instrument :
 MSVOA_V
 ClientSampled :

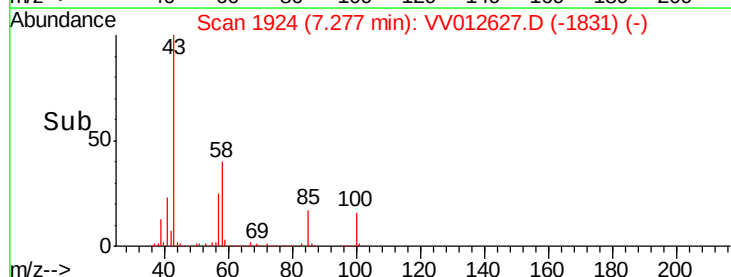
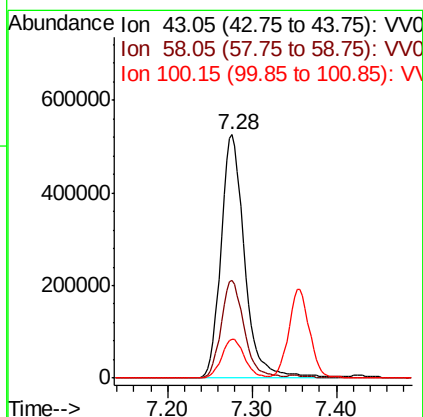
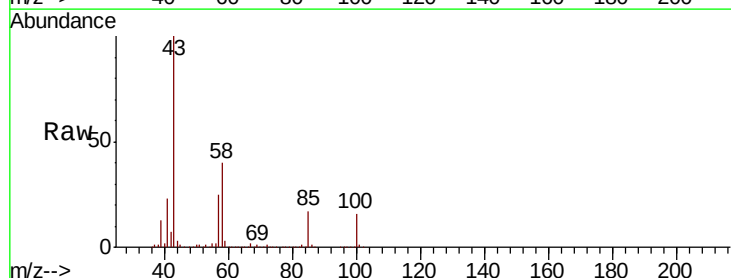
Tot Ion: 75 Resp: 242254
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.3

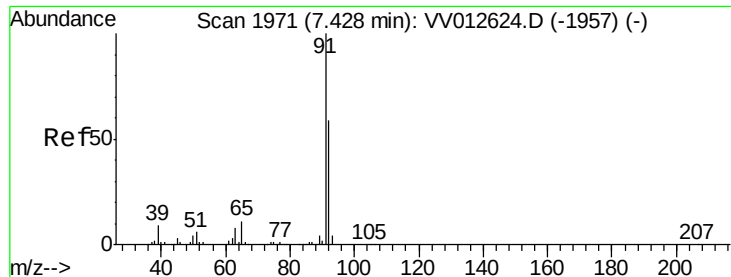


#40

4-Methyl-2-pentanone
 Concen: 56.968 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

Tgt Ion: 43 Resp: 1026100
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.4 47.0
 100 15.5 12.6 18.8





#42

Toluene

Concen: 5.761 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

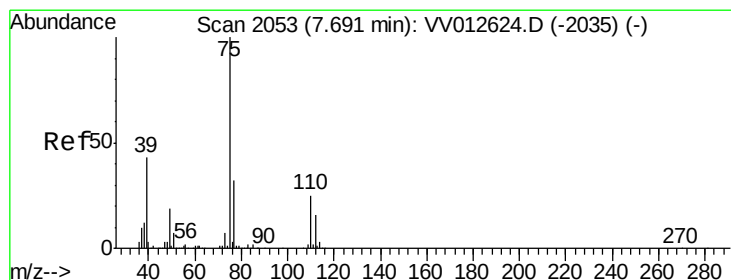
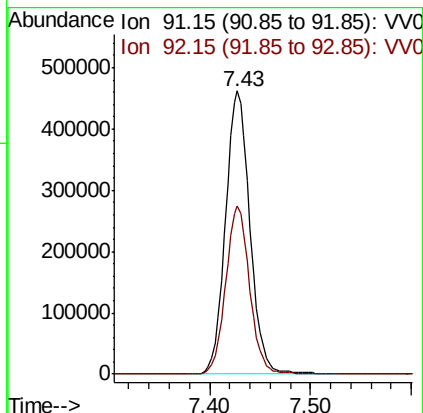
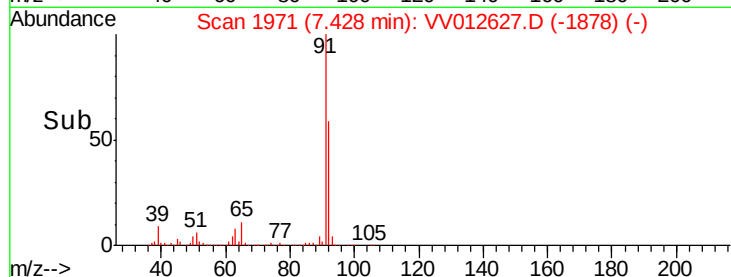
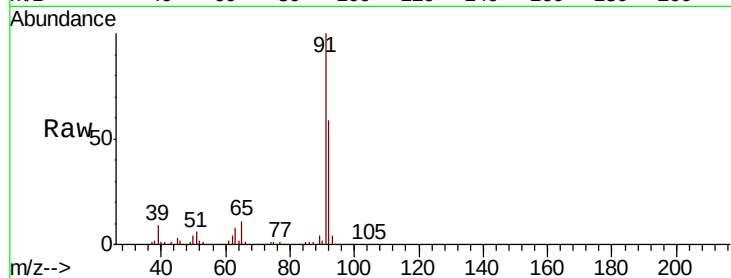
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 780809

Ion Ratio Lower Upper

91 100

92 59.4 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 5.645 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012627.D

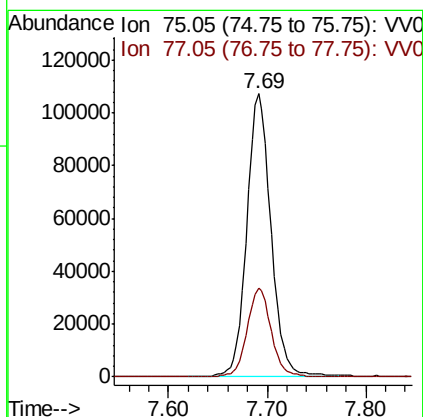
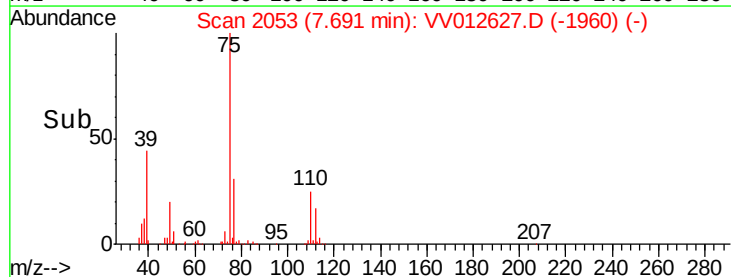
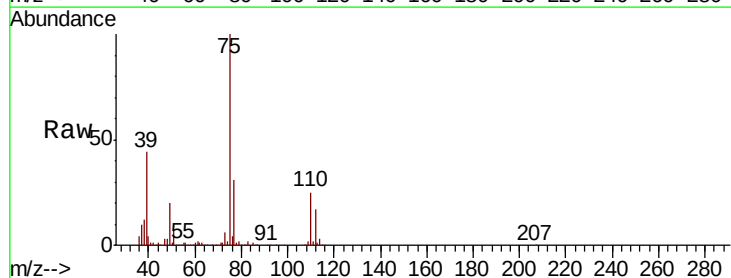
Acq: 09 Sep 2019 16:47

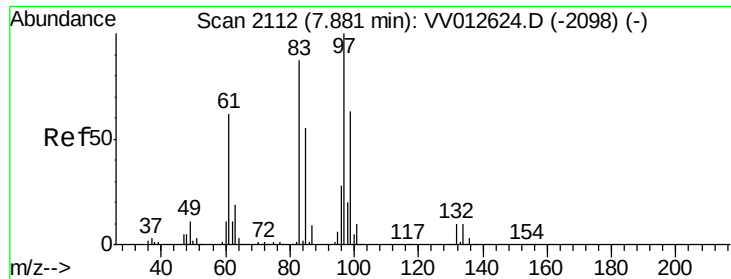
Tgt Ion: 75 Resp: 181458

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6

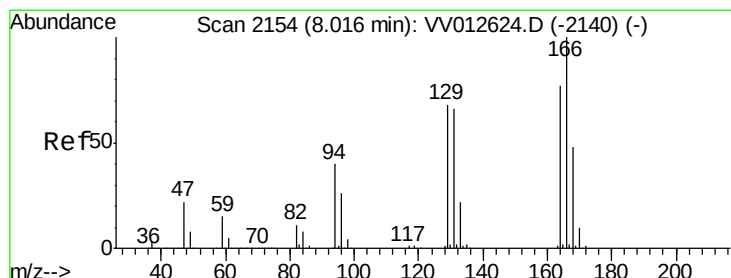
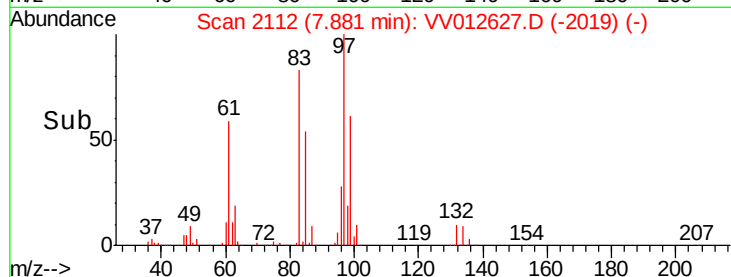
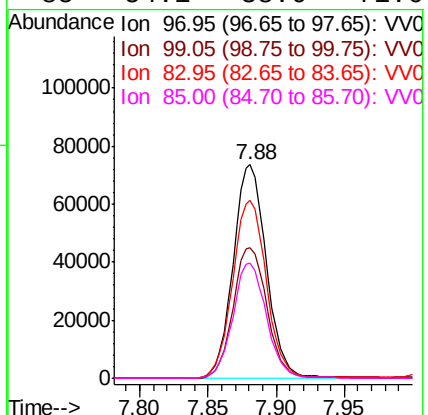
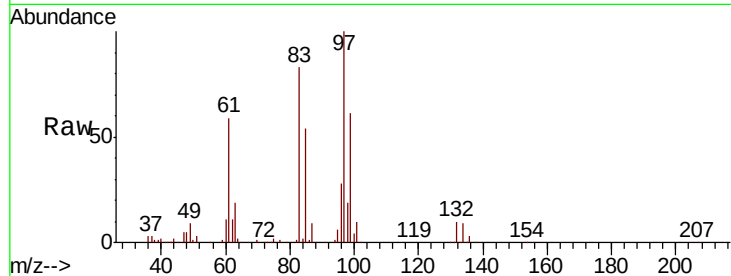




#45
 1,1,2-Trichloroethane
 Concen: 5.484 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

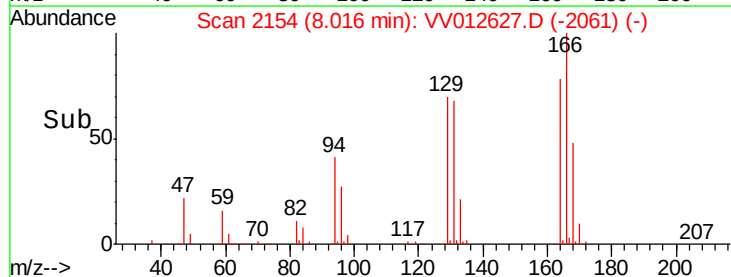
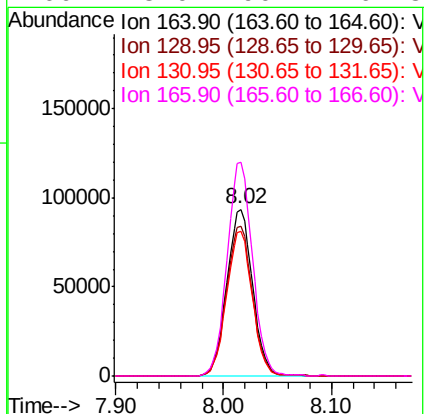
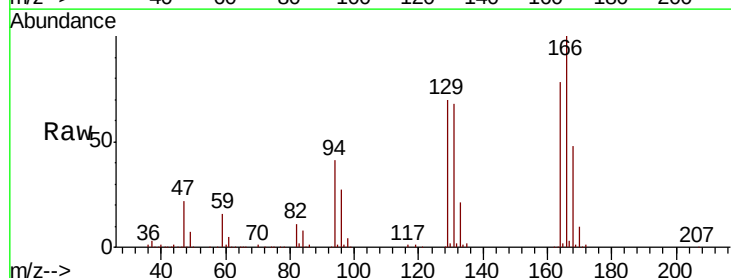
Instrument :
 MSVOA_V
 ClientSampleId :

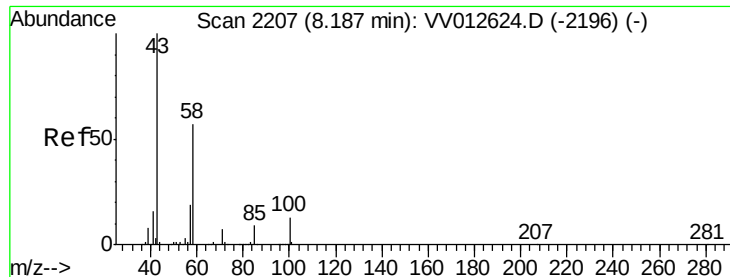
Tot Ion:	97	Resp:	124110
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.2	82.0
83	83.4	60.8	112.8
85	54.1	38.6	71.6



#47
 Tetrachloroethene
 Concen: 5.507 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

Tgt Ion:	164	Resp:	155840
Ion	Ratio	Lower	Upper
164	100		
129	90.0	61.9	114.9
131	86.9	59.7	110.9
166	128.0	90.4	167.8

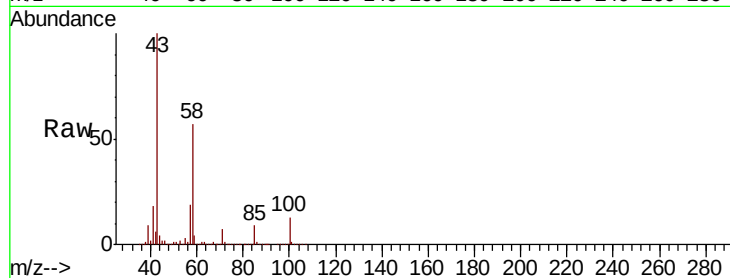




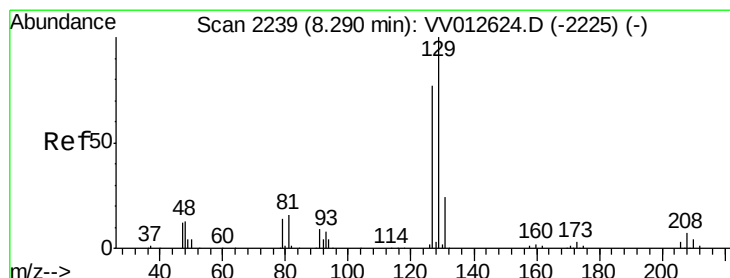
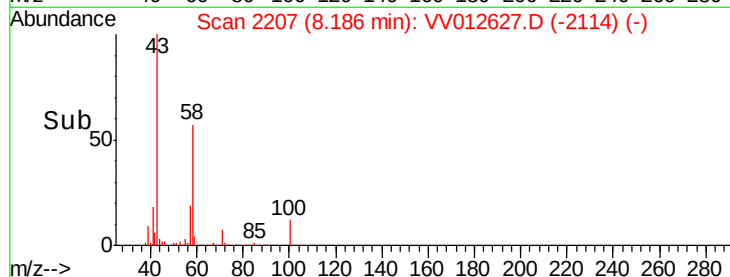
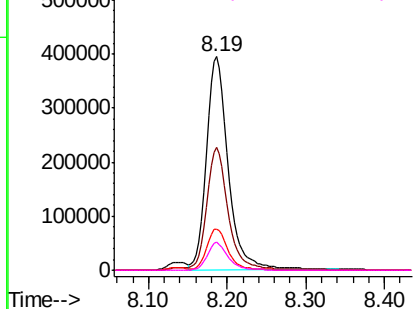
#48
2-Hexanone
Concen: 58.373 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 752331
Ion Ratio Lower Upper
43 100
58 55.8 44.8 67.2
57 18.6 14.9 22.3
100 12.4 9.8 14.8

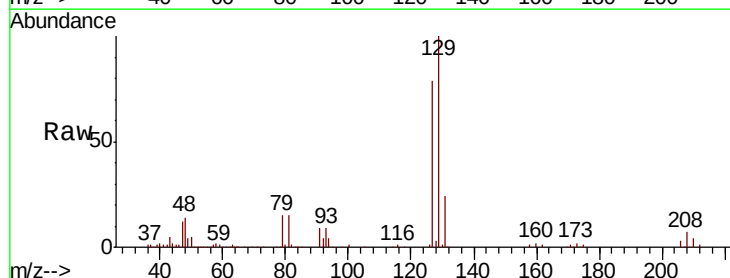


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

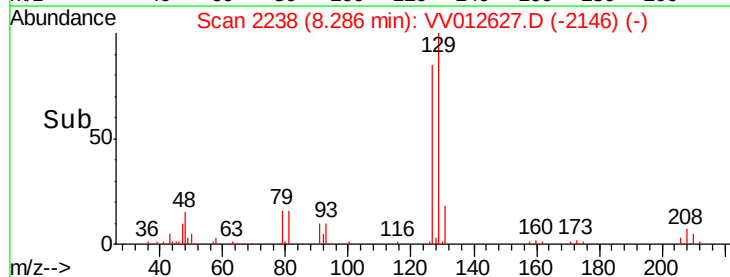
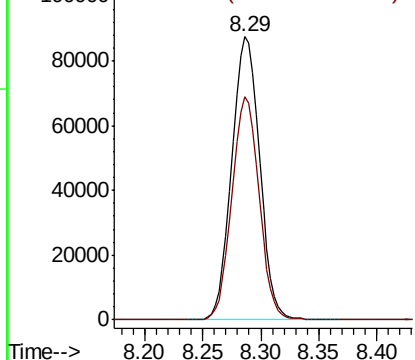


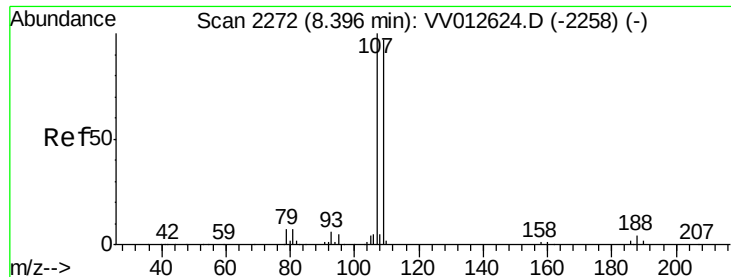
#49
Dibromochloromethane
Concen: 5.404 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

Tgt Ion: 129 Resp: 145460
Ion Ratio Lower Upper
129 100
127 78.7 53.5 99.5



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

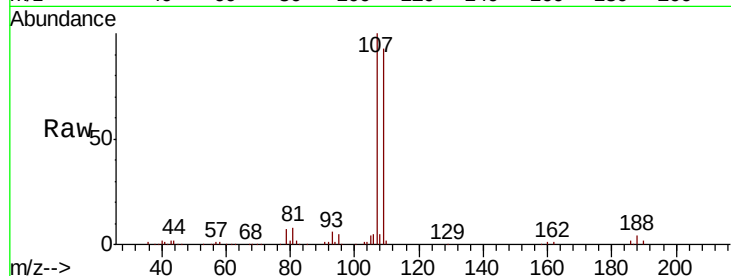




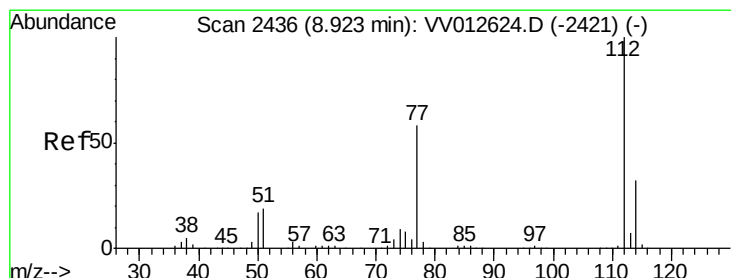
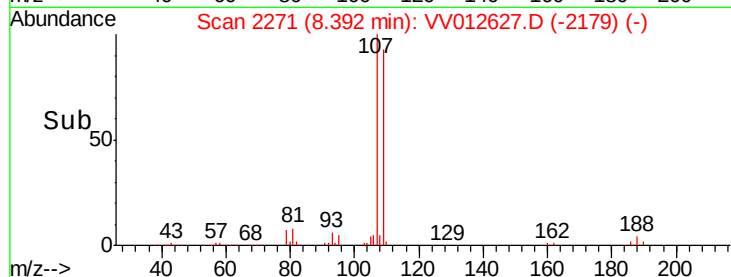
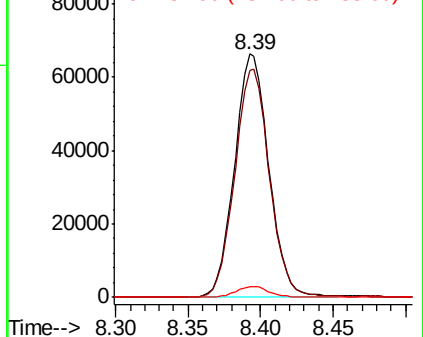
#50
1,2-Dibromoethane
Concen: 5.448 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	67.7	125.7
188	4.1	3.3	4.9

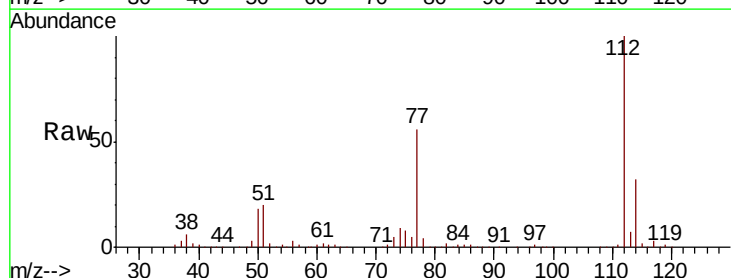


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

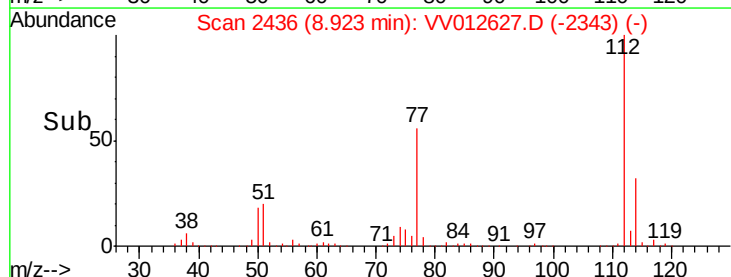
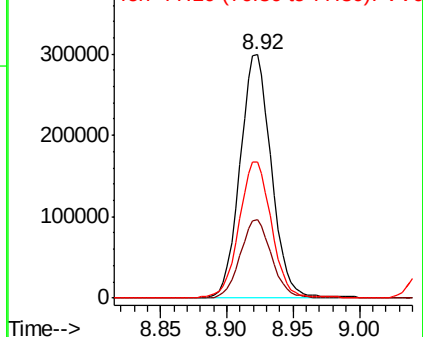


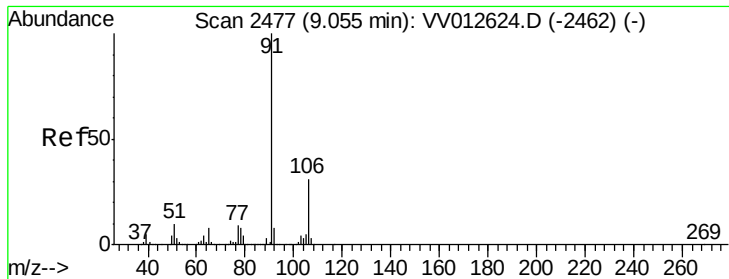
#51
Chlorobenzene
Concen: 5.504 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.5	41.9
77	56.0	46.2	69.2



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): V





#52

Ethylbenzene

Concen: 5.703 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

Instrument :

MSVOA_V

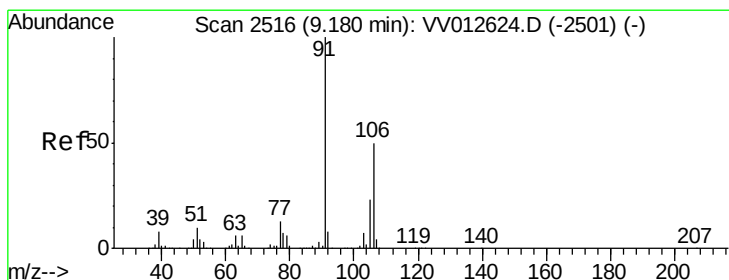
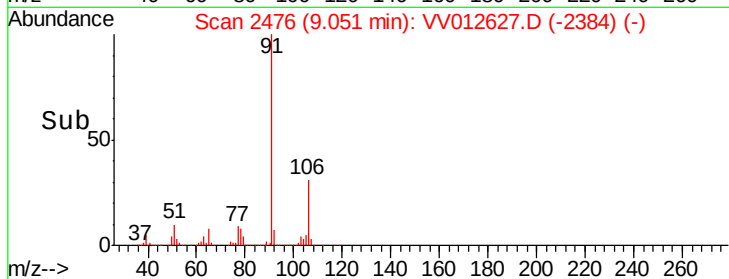
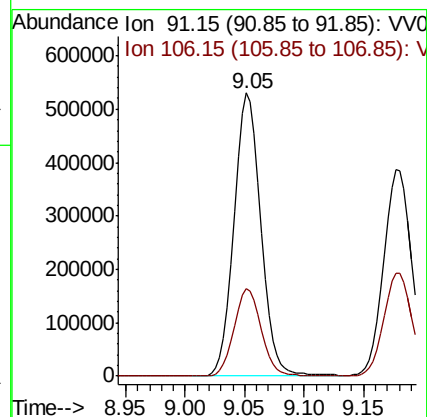
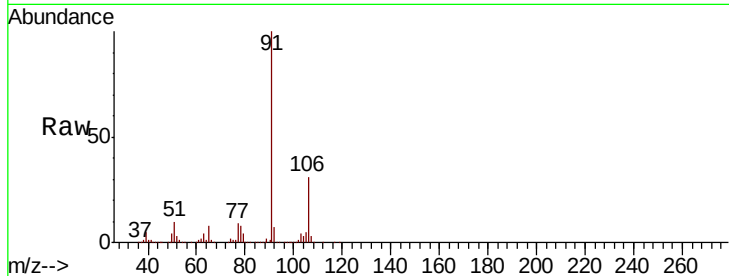
ClientSampled :

Tot Ion: 91 Resp: 831304

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-xylene

Concen: 5.835 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012627.D

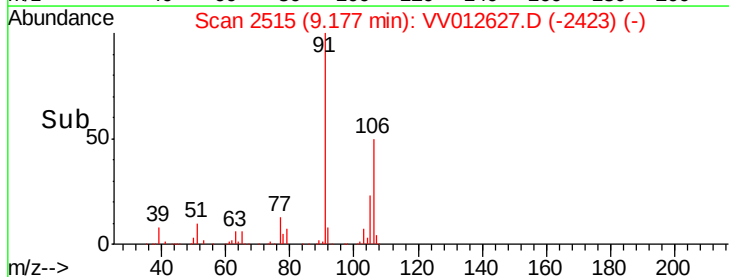
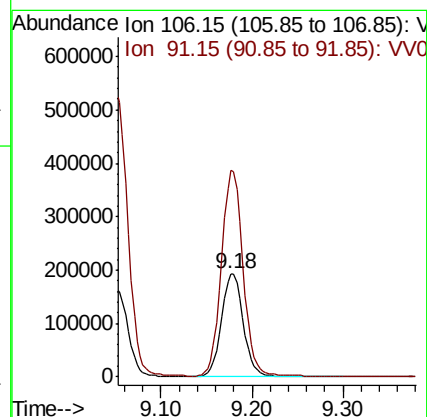
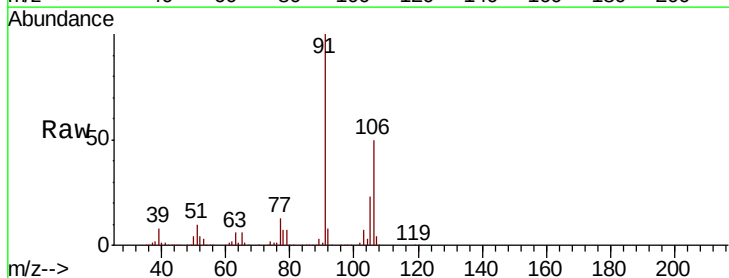
Acq: 09 Sep 2019 16:47

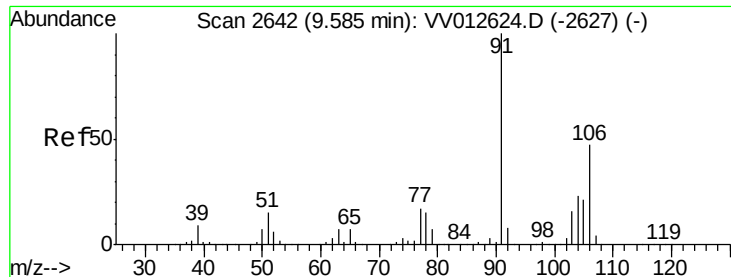
Tgt Ion: 106 Resp: 321507

Ion Ratio Lower Upper

106 100

91 199.4 140.0 260.0





#54

o-xylene

Concen: 5.783 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

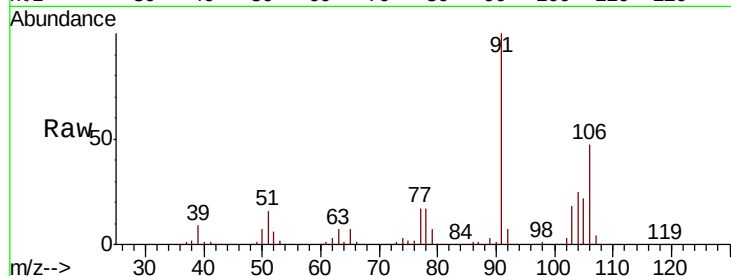
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 305205

Ion Ratio Lower Upper

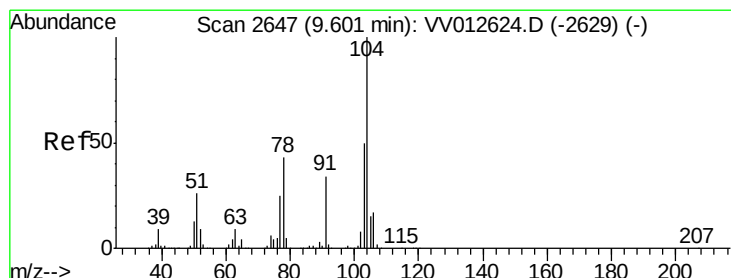
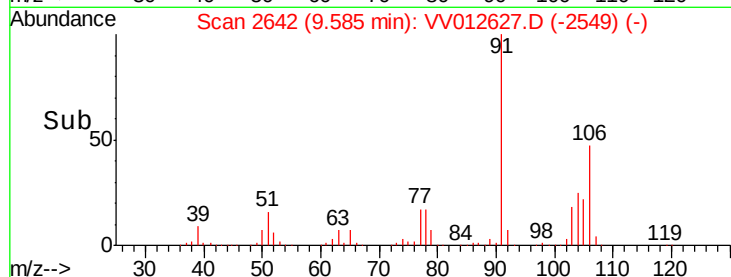
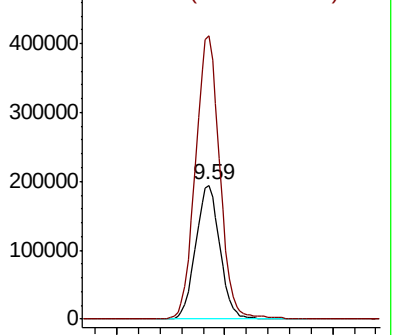
106 100

91 211.8 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.943 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012627.D

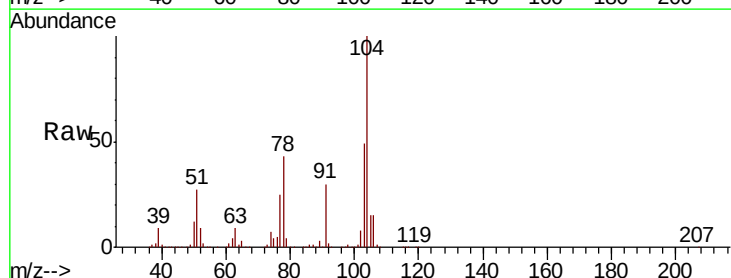
Acq: 09 Sep 2019 16:47

Tgt Ion:104 Resp: 521549

Ion Ratio Lower Upper

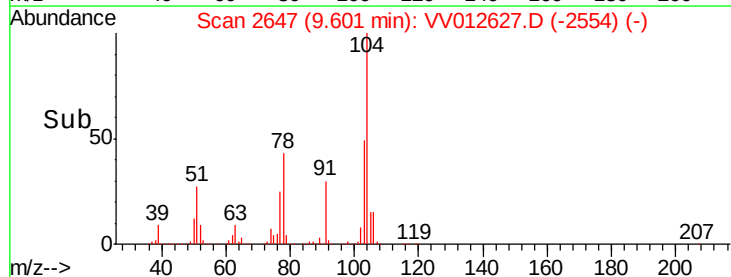
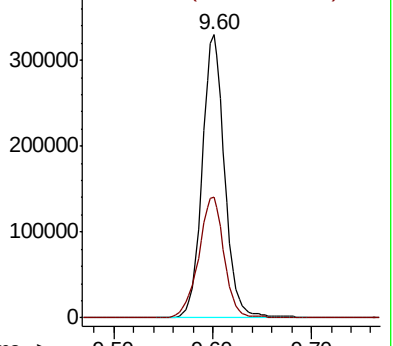
104 100

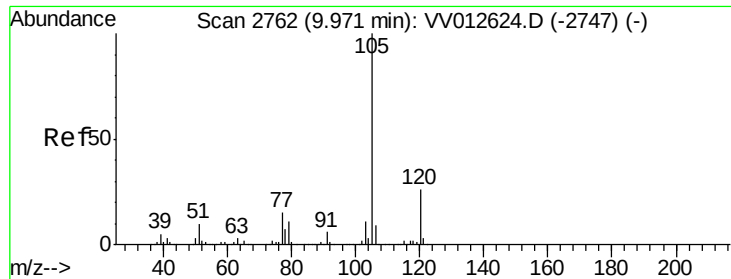
78 42.7 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

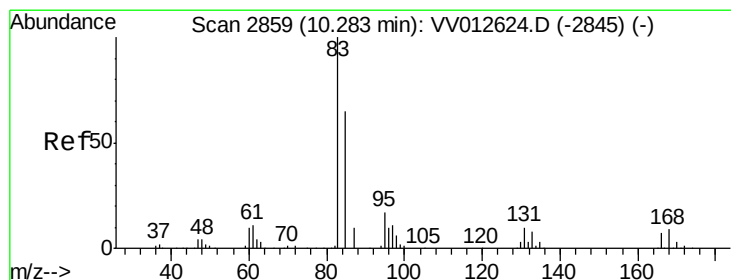
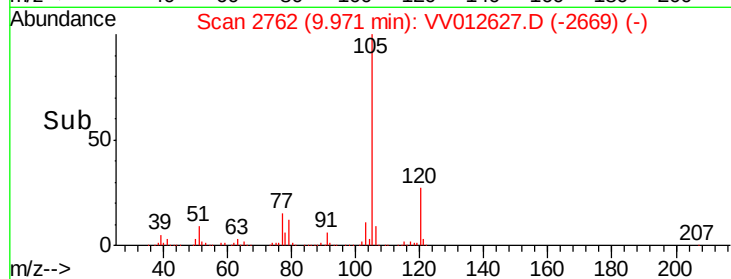
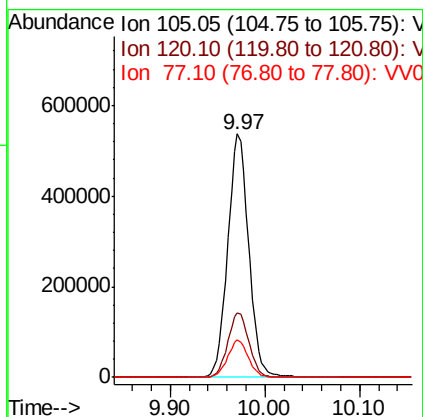
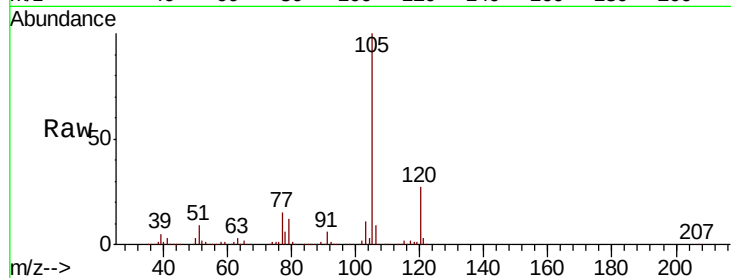




#56
Isopropylbenzene
Concen: 5.922 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

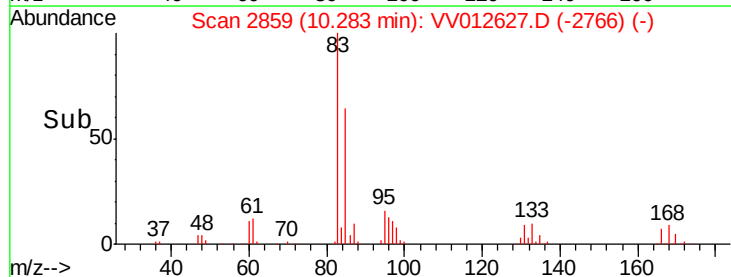
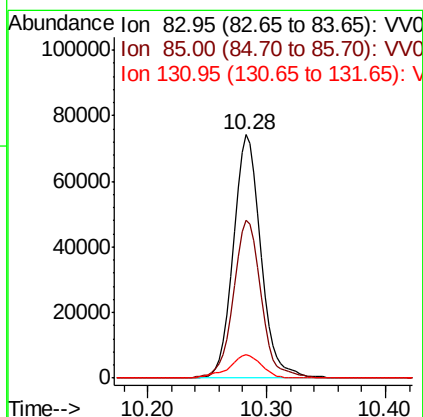
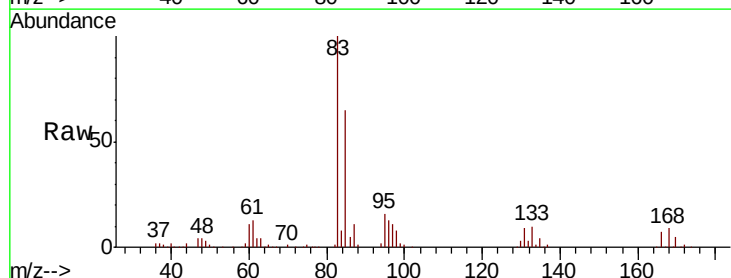
Instrument :
MSVOA_V
ClientSampleId :

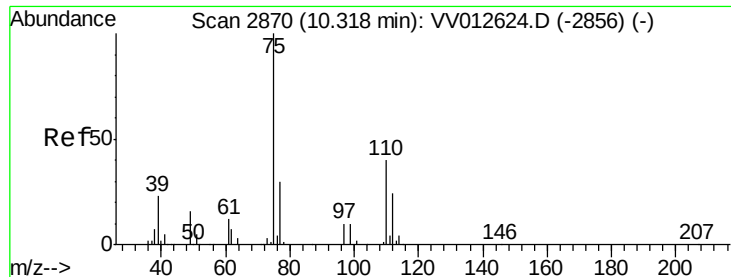
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.1	31.7
77	15.1	12.2	18.4



#58
1,1,2,2-Tetrachloroethane
Concen: 5.275 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV012627.D
Acq: 09 Sep 2019 16:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	45.4	84.2
131	9.4	8.2	12.4

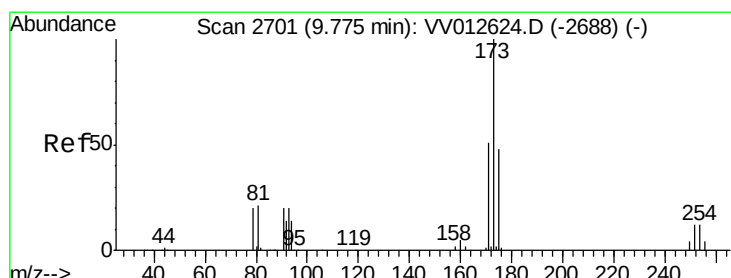
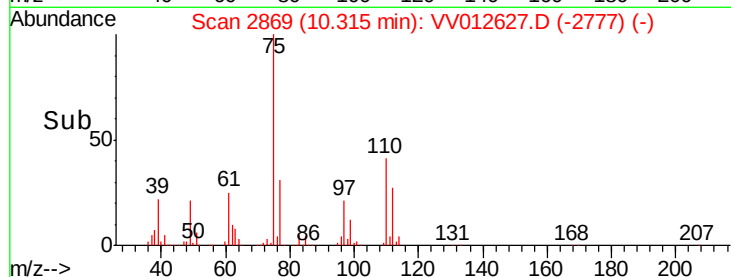
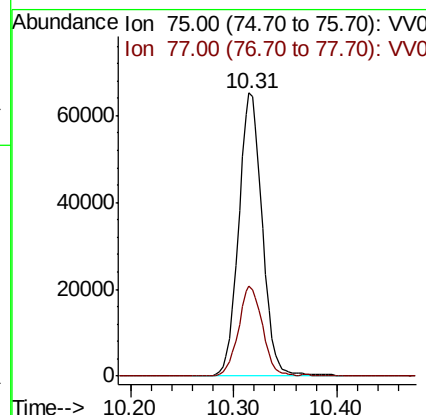
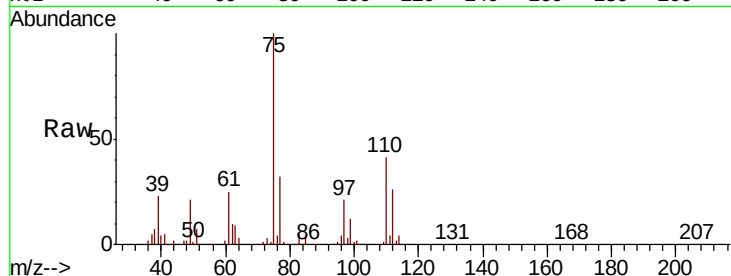




#59
 1,2,3-Trichloropropane
 Concen: 5.429 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

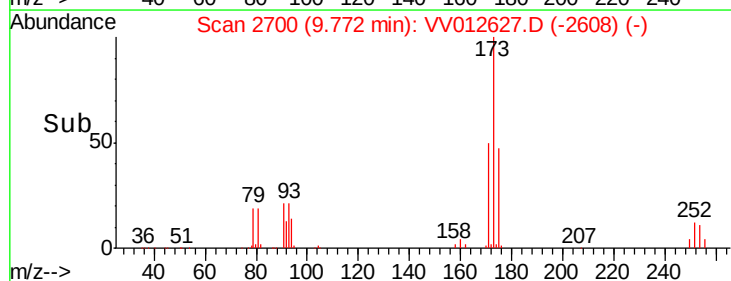
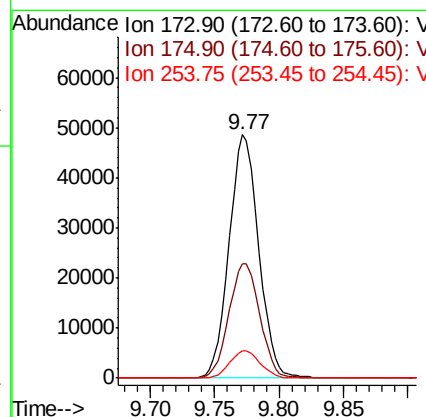
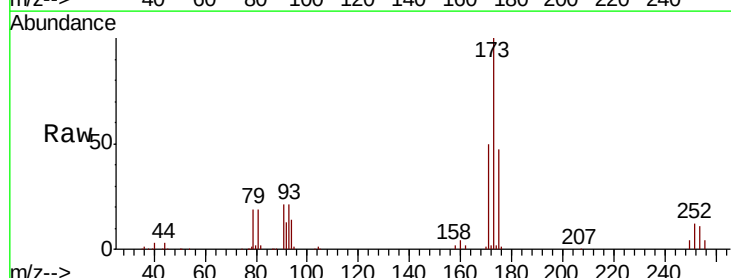
Instrument :
 MSVOA_V
 ClientSampleId :

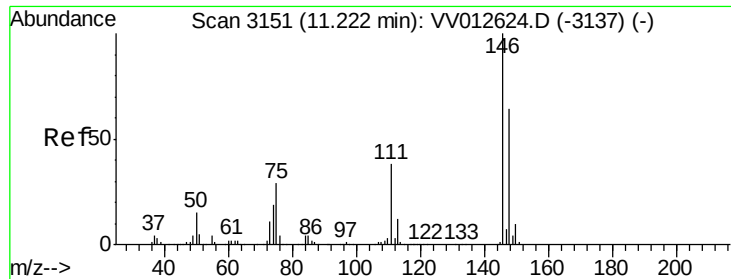
Tot Ion: 75 Resp: 104066
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.9 37.3



#61
 Bromoform
 Concen: 5.017 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

Tgt Ion: 173 Resp: 77407
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.8 59.6
 254 11.6 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.581 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

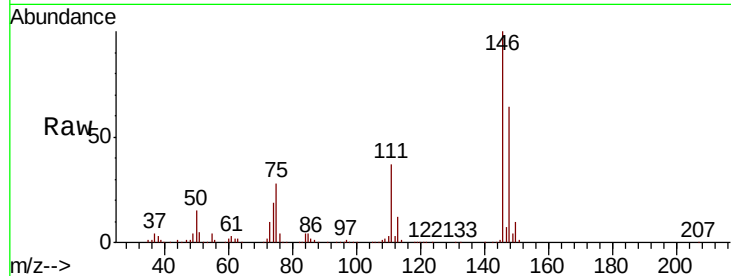
Tot Ion:146 Resp: 400080

Ion Ratio Lower Upper

146 100

111 37.4 26.3 48.9

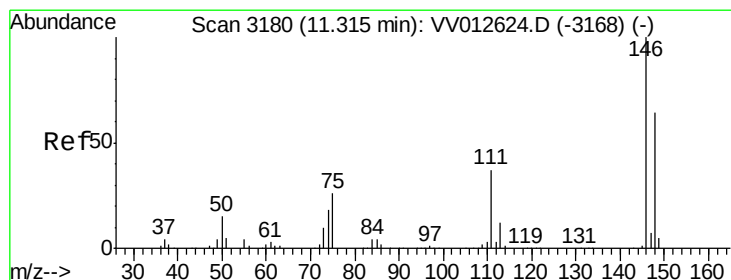
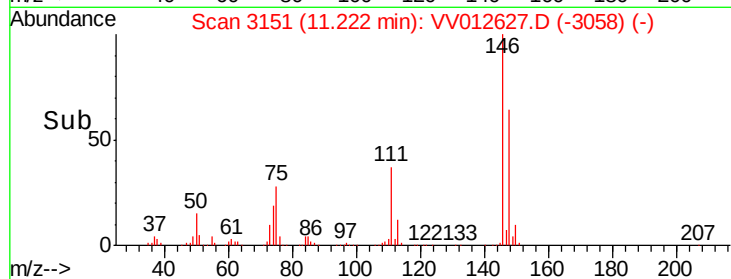
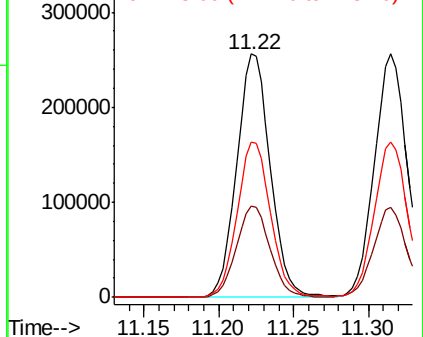
148 63.9 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 5.465 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

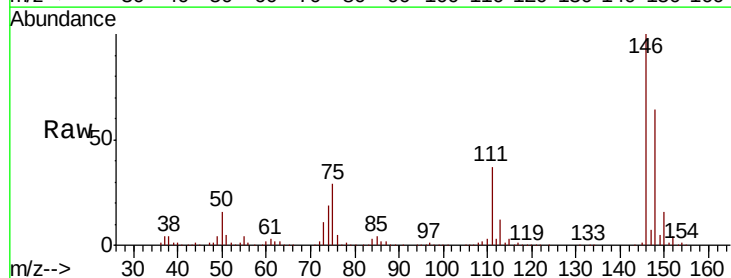
Tgt Ion:146 Resp: 395484

Ion Ratio Lower Upper

146 100

111 36.8 25.9 48.1

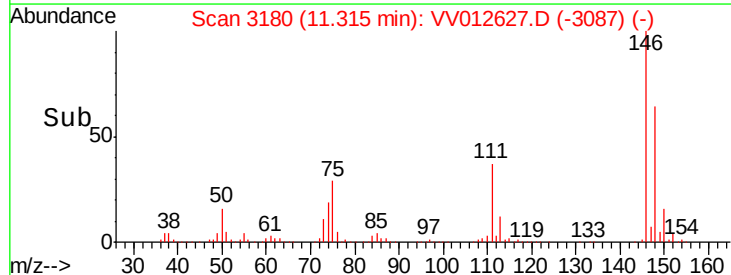
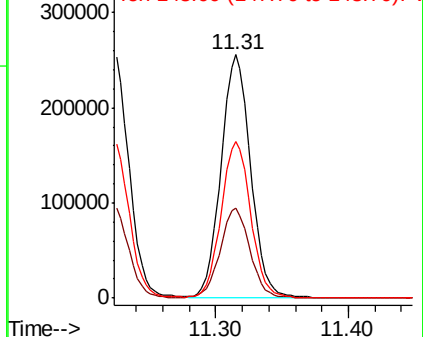
148 64.1 45.1 83.7

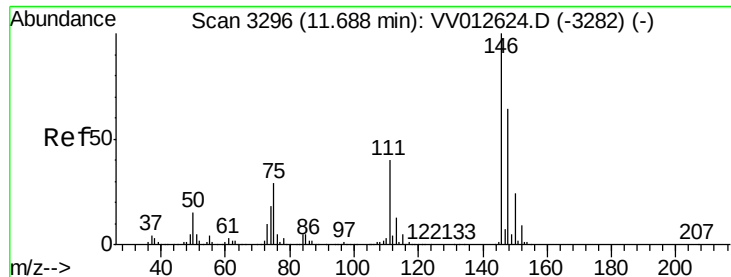


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.335 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

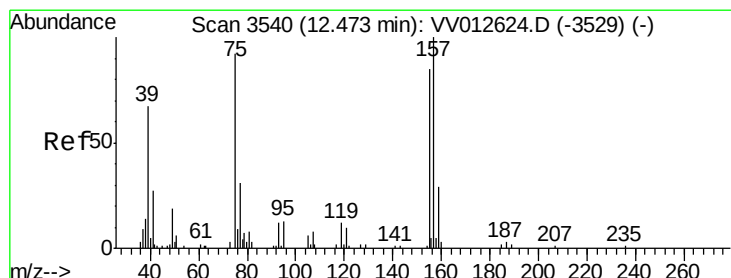
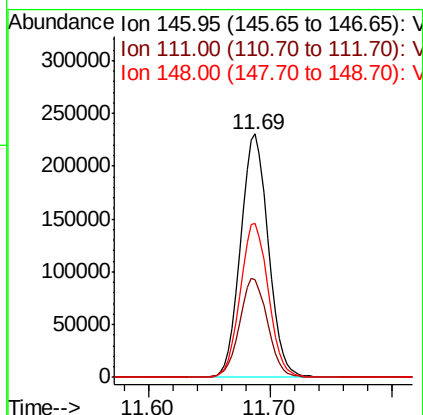
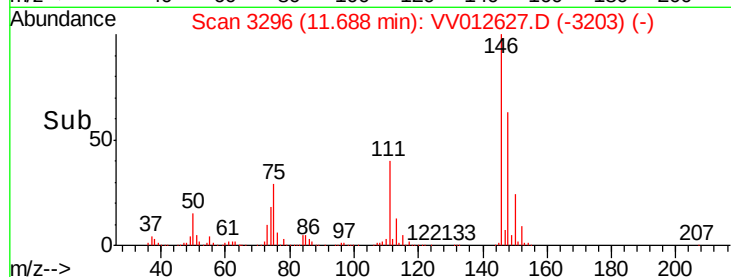
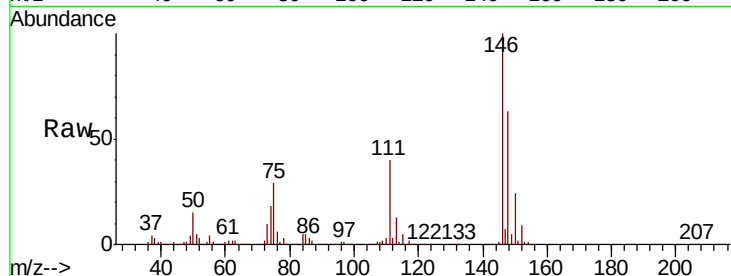
Tot Ion:146 Resp: 360147

Ion Ratio Lower Upper

146 100

111 40.1 32.2 48.4

148 63.4 51.0 76.6



#66

1,2-Dibromo-3-chloropropane

Concen: 4.917 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

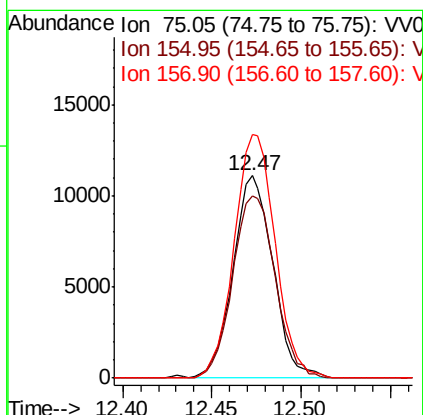
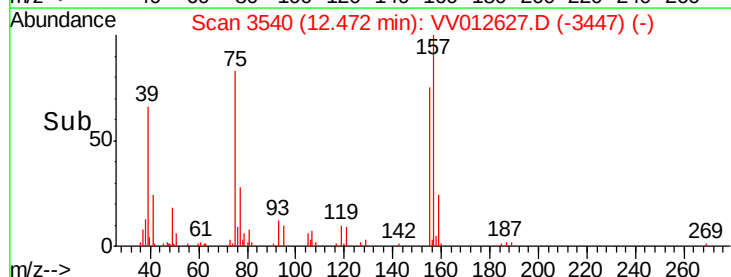
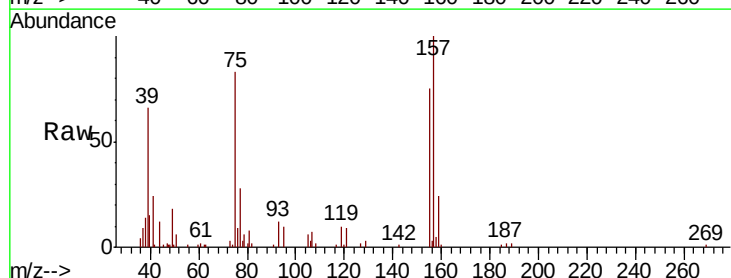
Tgt Ion: 75 Resp: 17296

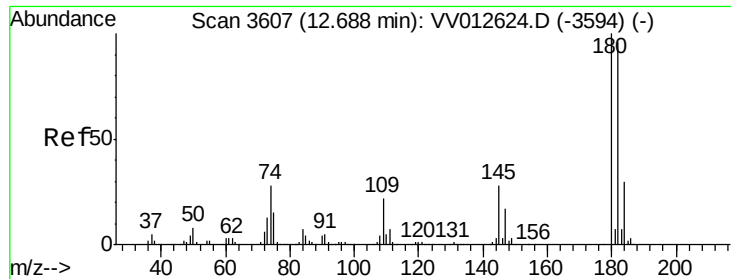
Ion Ratio Lower Upper

75 100

155 90.3 74.3 111.5

157 120.2 87.4 131.0

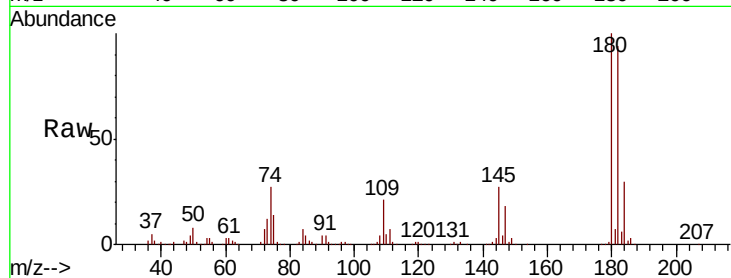




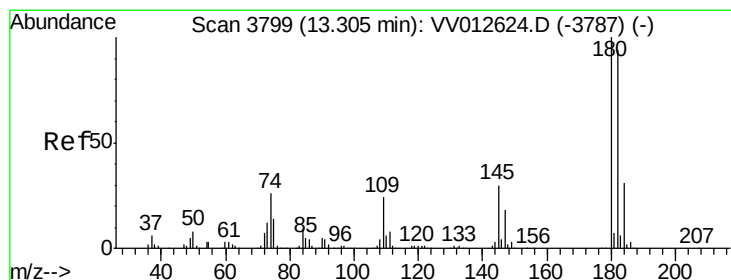
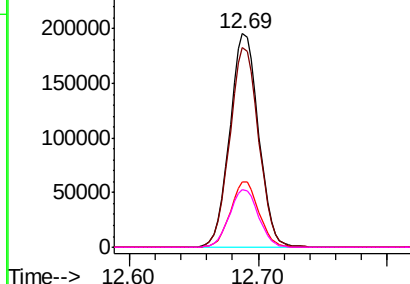
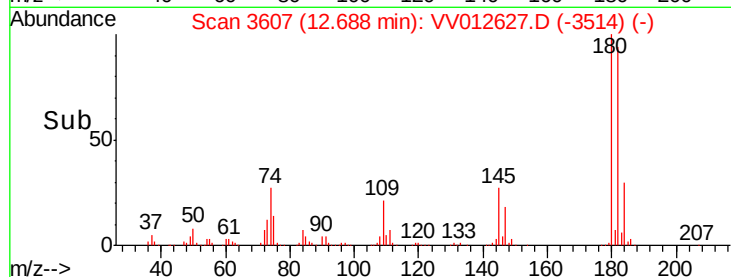
#67
 1,3,5-Trichlorobenzene
 Concen: 5.573 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	302627
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.2	114.4
184	30.2	24.3	36.5
145	27.4	22.0	33.0

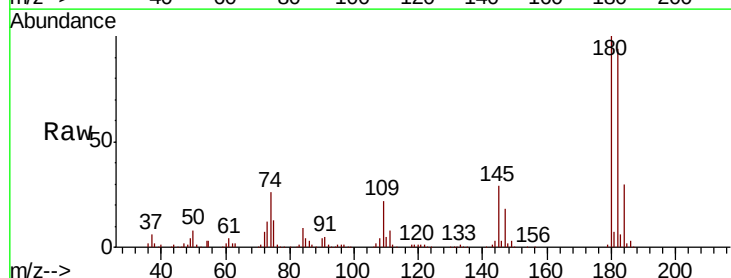


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

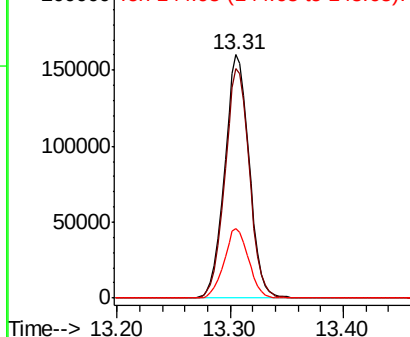
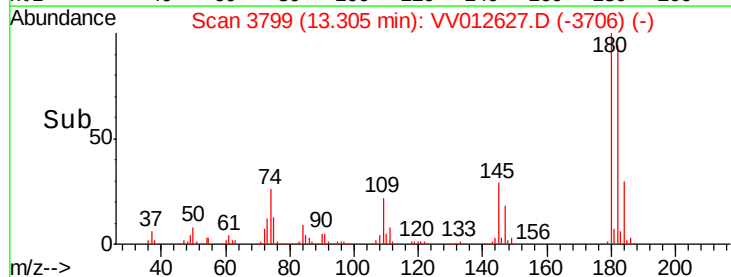


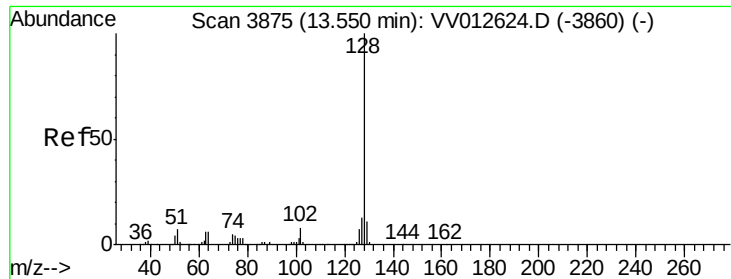
#68
 1,2,4-trichlorobenzene
 Concen: 5.612 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012627.D
 Acq: 09 Sep 2019 16:47

Tgt Ion:	180	Resp:	241224
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.1	114.1
145	28.5	23.2	34.8



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: 5.561 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

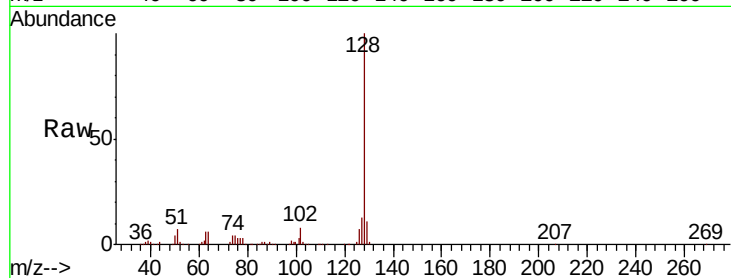
Tot Ion:128 Resp: 361405

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

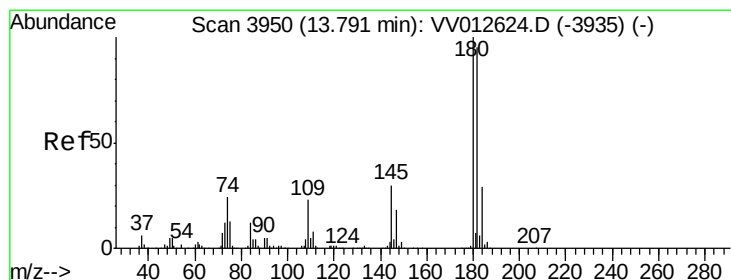
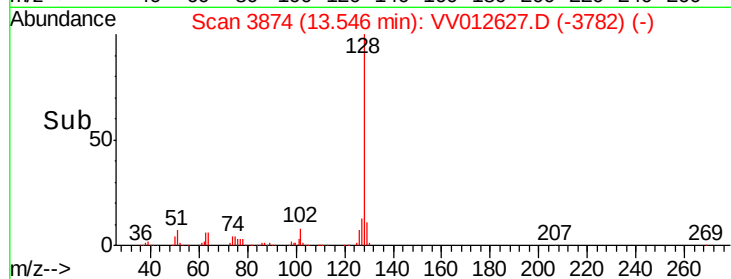
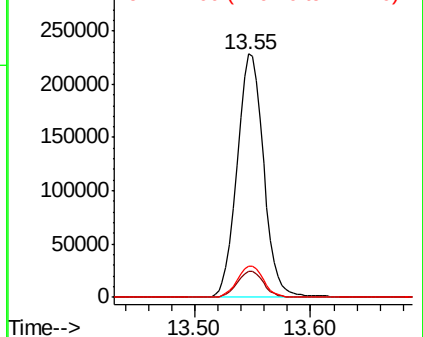
127 12.8 10.2 15.4



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: 5.685 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012627.D

Acq: 09 Sep 2019 16:47

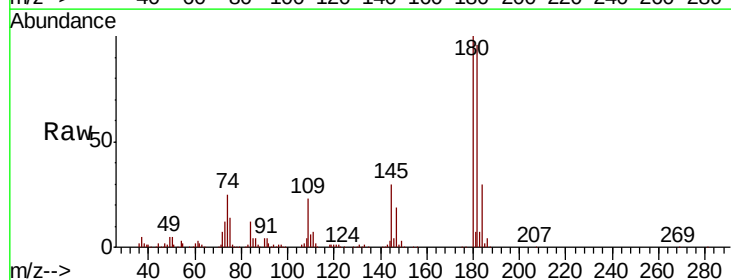
Tgt Ion:180 Resp: 230444

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.6

145 30.5 24.5 36.7



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

