

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015171.D
 Acq On : 26 Mar 2020 16:01
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 03:05:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 26 19:04:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	664423	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	652137	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	304010	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	165834	46.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.04%
7) Chloroethane-d5	1.58	69	169181	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.16%
11) 1,1-Dichloroethene-d2	2.12	63	387769	47.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.40%
21) 2-Butanone-d5	3.94	46	370281	104.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.32%
24) Chloroform-d	4.38	84	385801	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
26) 1,2-Dichloroethane-d4	5.06	65	249651	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
32) Benzene-d6	5.07	84	648739	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.72%
36) 1,2-Dichloropropane-d6	6.10	67	232683	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.18%
41) Toluene-d8	7.34	98	594704	48.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.84%
43) trans-1,3-Dichloropropene-	7.64	79	133169	50.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.06%
47) 2-Hexanone-d5	8.11	63	286873	101.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.39%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	405569	49.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	281136	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	276746	47.205	ug/L 99
3) Chloromethane	1.25	50	296287	46.537	ug/L 99
5) Vinyl chloride	1.32	62	306619	47.016	ug/L 99
6) Bromomethane	1.53	94	198560	47.178	ug/L 99
8) Chloroethane	1.60	64	194113	45.521	ug/L 99
9) Trichlorofluoromethane	1.77	101	477376	44.360	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	254743	46.805	ug/L 99
12) 1,1-Dichloroethene	2.13	96	248879	46.444	ug/L 91
13) Acetone	2.46	43	222051	90.454	ug/L 100
14) Carbon disulfide	2.31	76	647805	47.141	ug/L 99
15) Methyl Acetate	2.46	43	244727	48.155	ug/L 100
16) Methylene chloride	2.52	84	234475	46.875	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	214772	46.117	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	739984	47.145	ug/L 99
19) 1,1-Dichloroethane	3.21	63	402095	46.743	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	242830	46.809	ug/L 97
22) 2-Butanone	4.02	43	367704	95.210	ug/L 98

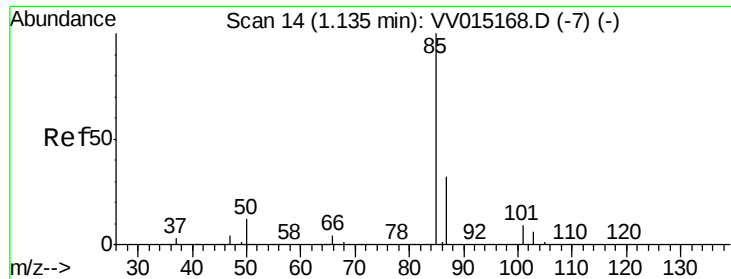
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	118166	47.083	uq/L	97
25) Chloroform	4.40	83	421448	47.556	uq/L	99
27) 1,2-Dichloroethane	5.16	62	326568	46.480	uq/L	99
29) Cyclohexane	4.70	56	377566	47.305	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	391180	47.367	uq/L	100
31) Carbon tetrachloride	4.85	117	332095	47.841	uq/L	99
33) Benzene	5.13	78	914355	47.095	uq/L	100
34) Trichloroethene	5.94	95	235766	46.616	uq/L	99
35) Methylcyclohexane	6.15	83	401663	47.790	uq/L	99
37) 1,2-Dichloropropane	6.20	63	237473	47.839	uq/L	100
38) Bromodichloromethane	6.53	83	331254	47.087	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	399209	48.113	uq/L	99
40) 4-Methyl-2-pentanone	7.25	43	720850	96.296	uq/L	99
42) Toluene	7.41	91	1026888	47.409	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	387996	47.895	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	232755	47.899	uq/L	98
46) Tetrachloroethene	8.00	164	165061	48.564	uq/L	99
48) 2-Hexanone	8.16	43	580596	98.218	uq/L	98
49) Dibromochloromethane	8.27	129	260430	48.643	uq/L	95
50) 1,2-Dibromoethane	8.37	107	256208	48.439	uq/L	99
51) Chlorobenzene	8.90	112	661061	47.781	uq/L	100
52) Ethylbenzene	9.03	91	1166975	47.820	uq/L	99
53) m,p-Xylene	9.16	106	447101	48.023	uq/L	97
54) o-xylene	9.57	106	444642	47.549	uq/L	99
55) Styrene	9.58	104	767465	48.508	uq/L	98
56) Isopropylbenzene	9.95	105	1161824	48.393	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	388530	47.435	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	316475	47.992	uq/L	100
61) Bromoform	9.75	173	172728	49.315	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	488406	47.915	uq/L	98
63) 1,4-Dichlorobenzene	11.30	146	495477	48.119	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	499346	48.318	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	110986	48.338	uq/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	316376	48.506	uq/L	100
68) 1,2,4-trichlorobenzene	13.29	180	295358	47.475	uq/L	99
69) Naphthalene	13.53	128	1232238	49.460	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	301508	48.400	uq/L	97

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



#2

Dichlorodifluoromethane

Concen: 47.205 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

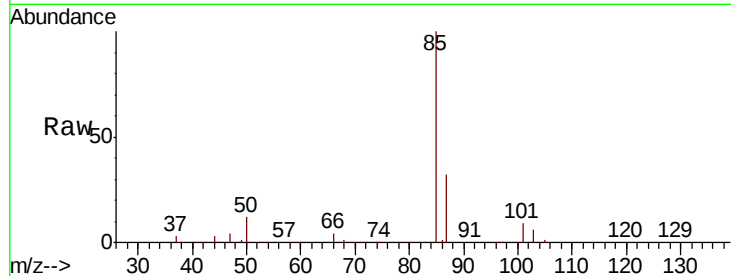
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 276746

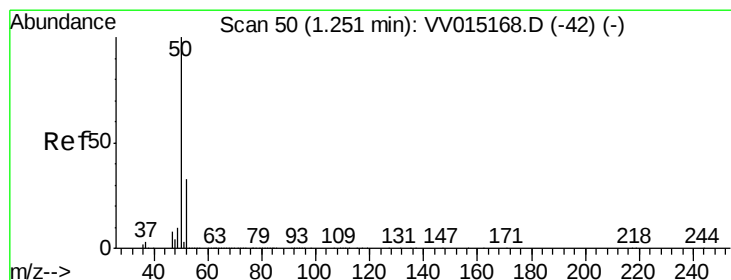
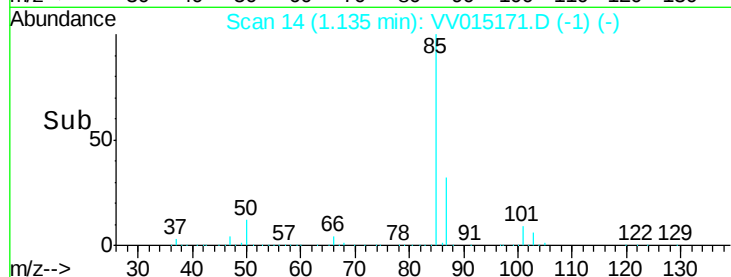
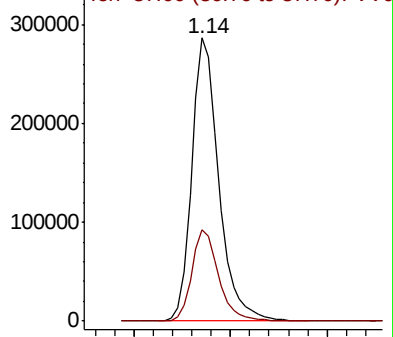
Ion Ratio Lower Upper

85 100

87 32.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV015171.D (-1) (-)



#3

Chloromethane

Concen: 46.537 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015171.D

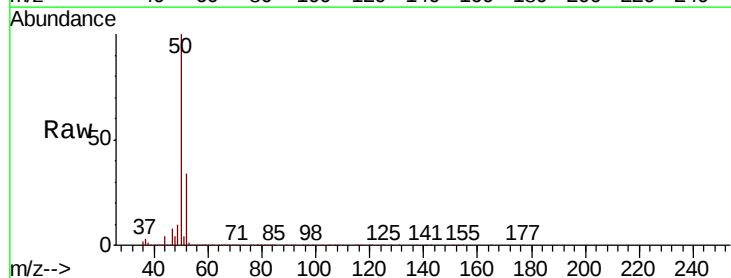
Acq: 26 Mar 2020 16:01

Tgt Ion: 50 Resp: 296287

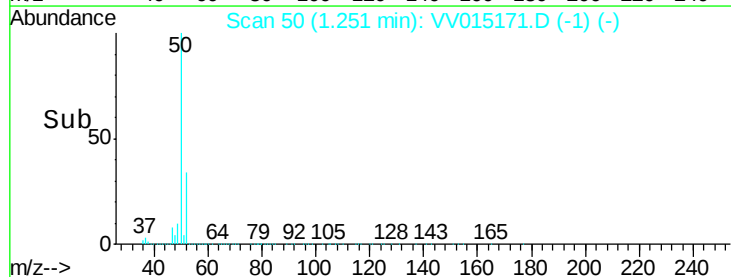
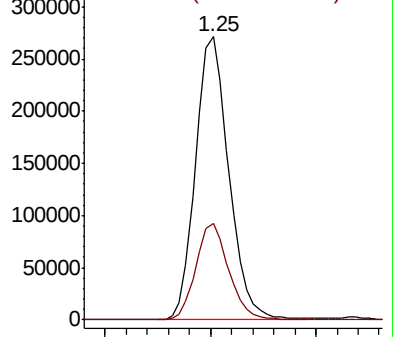
Ion Ratio Lower Upper

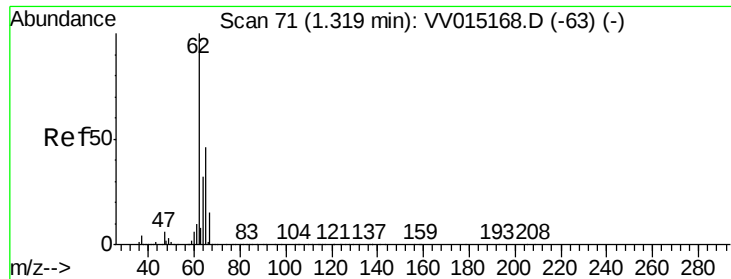
50 100

52 34.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV015171.D (-1) (-)





#5

Vinyl chloride

Concen: 47.016 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

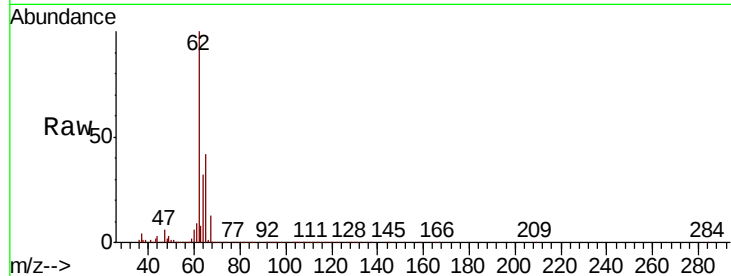
ClientSampled :

Tot Ion: 62 Resp: 306619

Ion Ratio Lower Upper

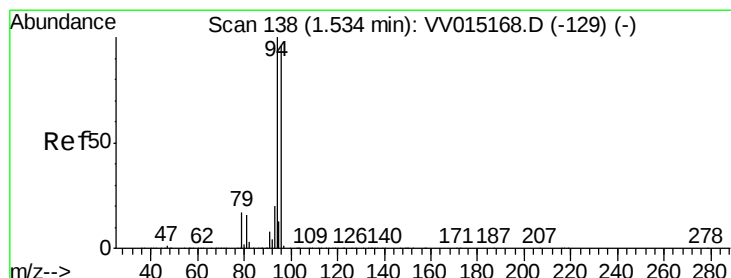
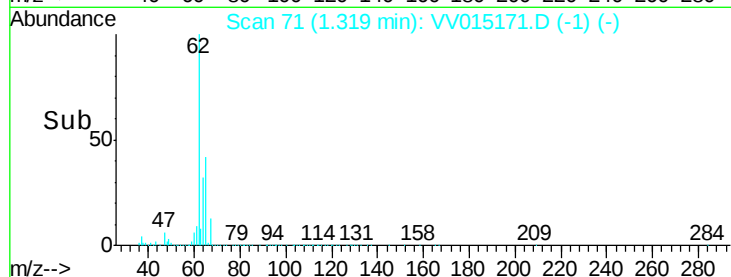
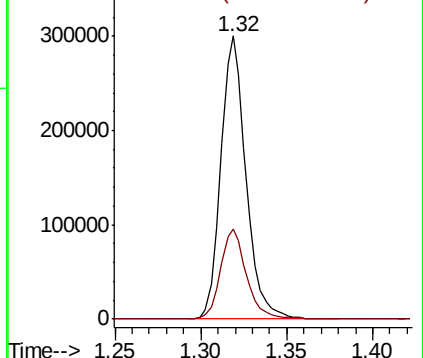
62 100

64 31.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 47.178 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015171.D

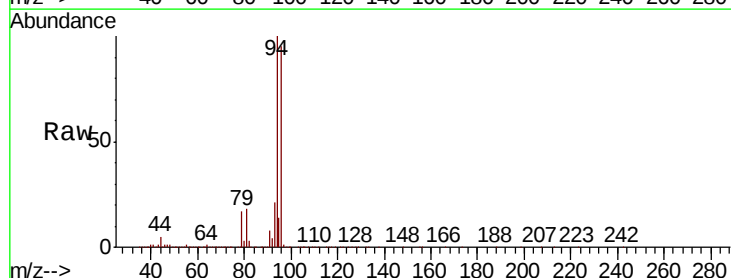
Acq: 26 Mar 2020 16:01

Tgt Ion: 94 Resp: 198560

Ion Ratio Lower Upper

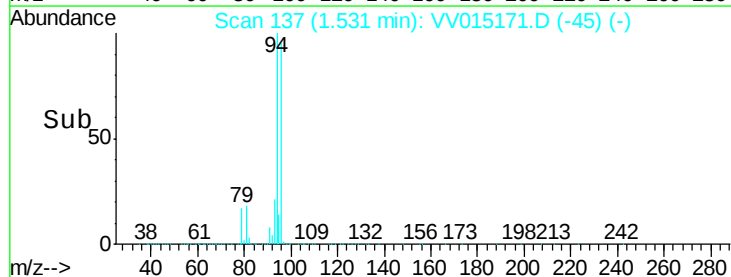
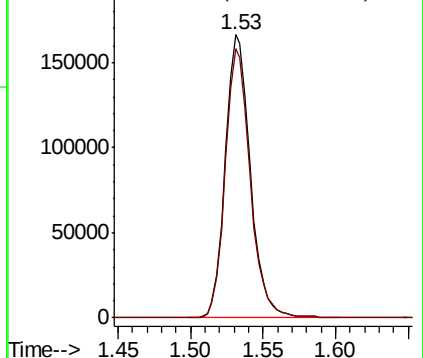
94 100

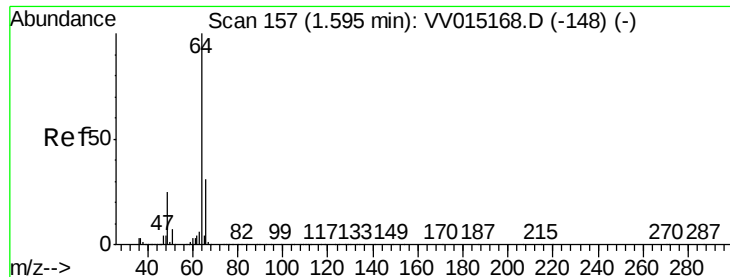
96 95.3 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 45.521 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

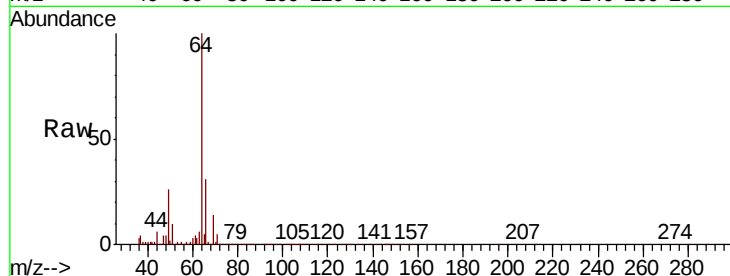
ClientSampleId :

Tot Ion: 64 Resp: 194113

Ion Ratio Lower Upper

64 100

66 31.3 21.6 40.2



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.60

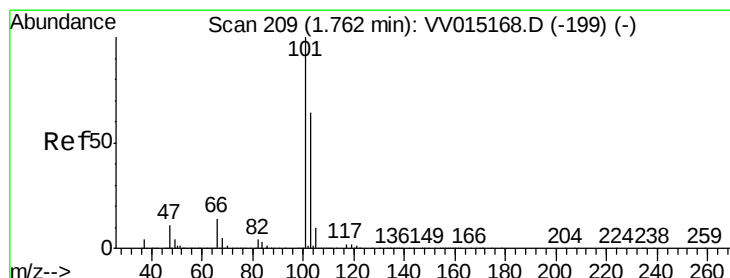
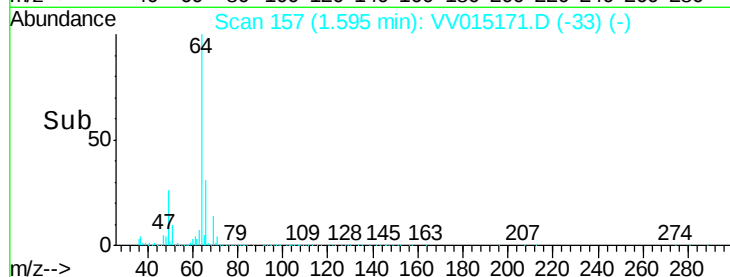
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 44.360 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015171.D

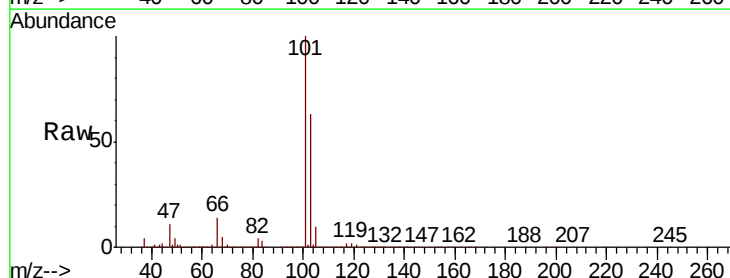
Acq: 26 Mar 2020 16:01

Tgt Ion: 101 Resp: 477376

Ion Ratio Lower Upper

101 100

103 63.6 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.77

400000

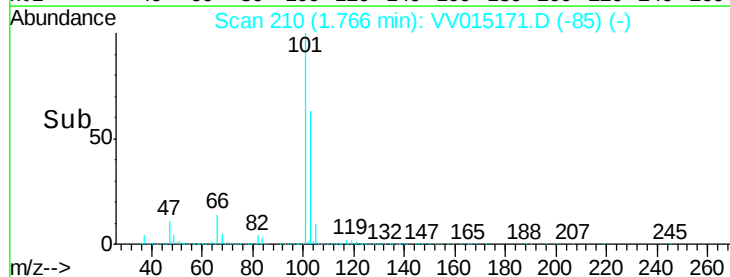
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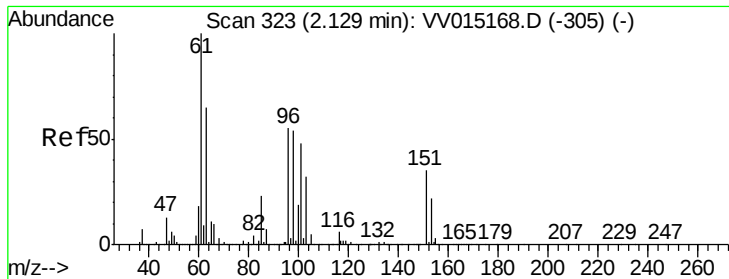
200000

100000

0

Time-->





#10

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

Concen: 46.805 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

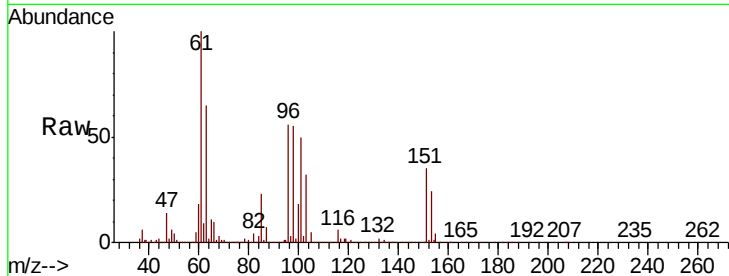
Tot Ion:101 Resp: 254743

Ion Ratio Lower Upper

101 100

85 46.0 37.1 55.7

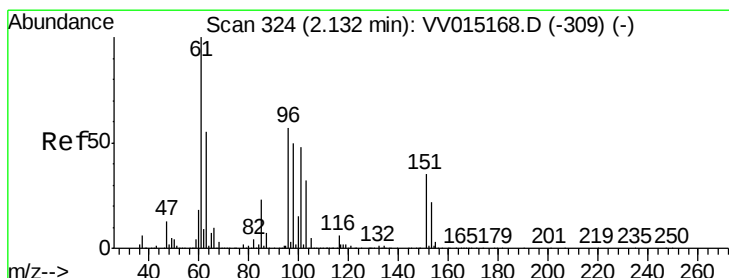
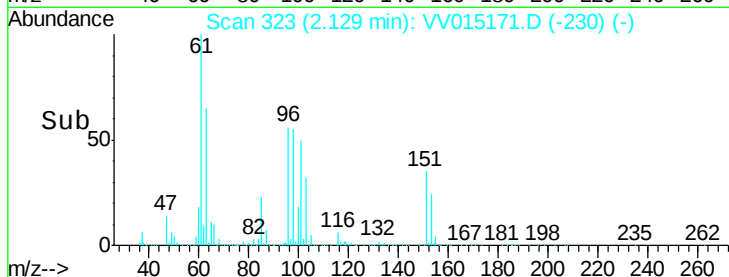
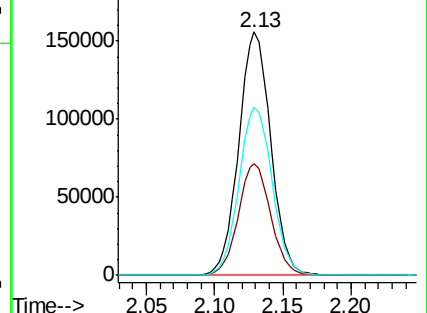
151 71.7 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): VV015171.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015171.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015171.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 46.444 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

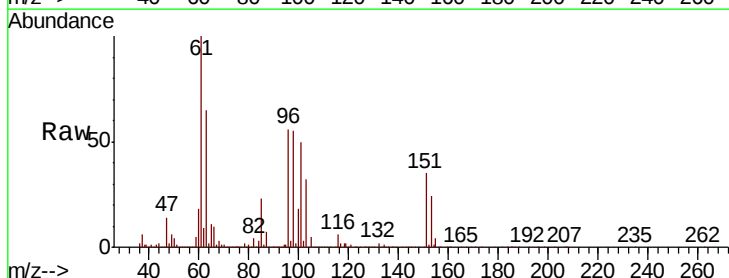
Tgt Ion: 96 Resp: 248879

Ion Ratio Lower Upper

96 100

61 178.7 122.3 227.1

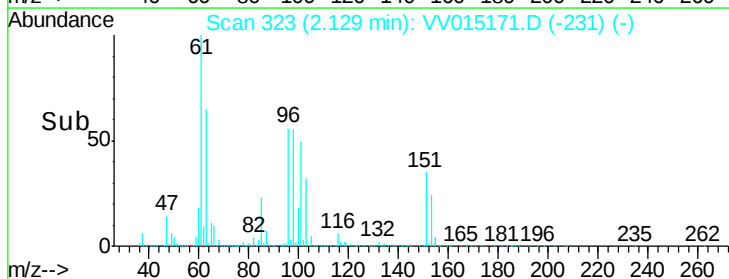
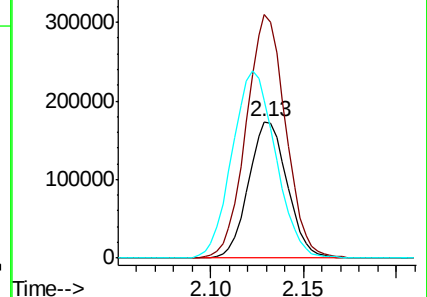
63 116.2 67.9 126.1

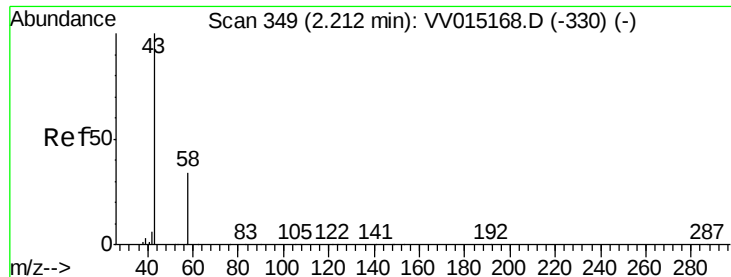


Abundance Ion 96.00 (95.70 to 96.70): VV015171.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV015171.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015171.D (-231) (-)





#13

Acetone

Concen: 90.454 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.25 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

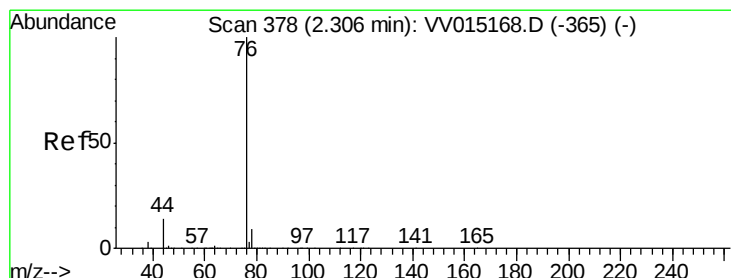
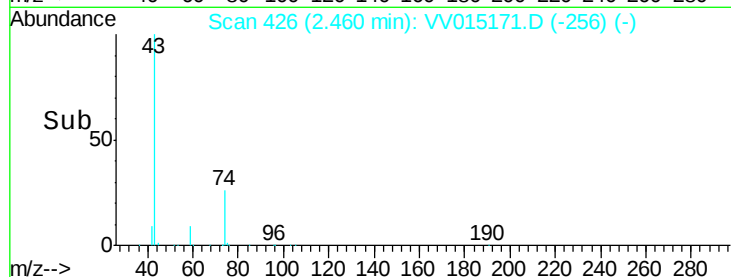
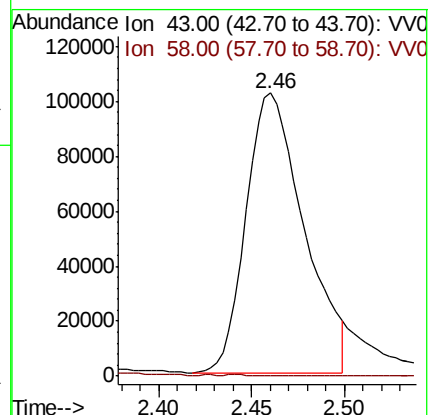
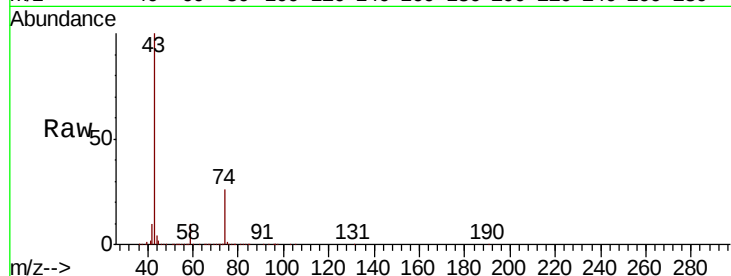
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 222051

Ion Ratio Lower Upper

43 100

58 0.1 0.0 0.2



#14

Carbon disulfide

Concen: 47.141 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015171.D

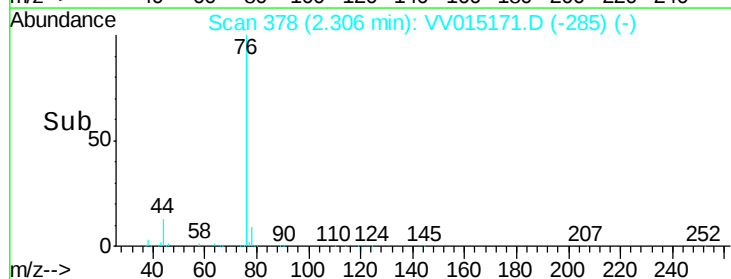
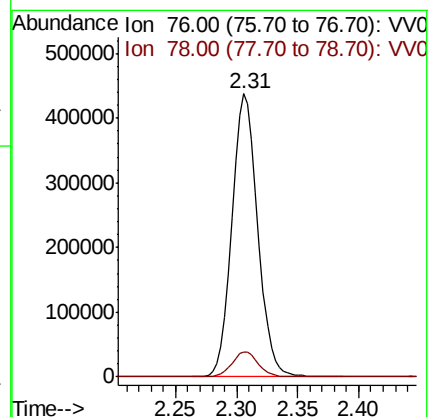
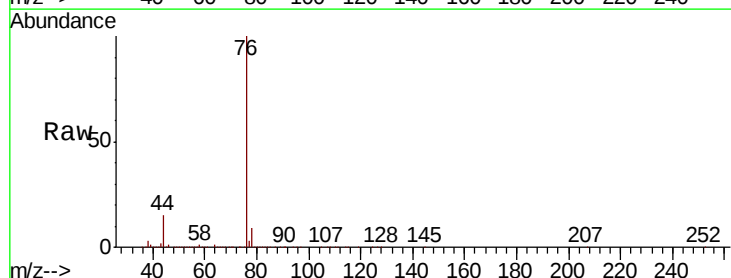
Acq: 26 Mar 2020 16:01

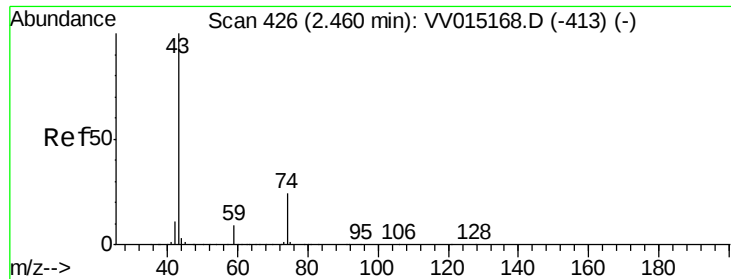
Tgt Ion: 76 Resp: 647805

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methyl Acetate

Concen: 48.155 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

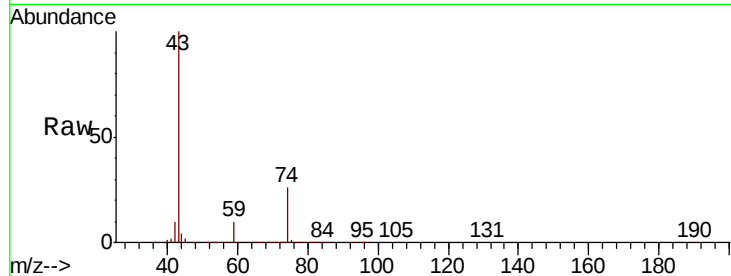
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 244727

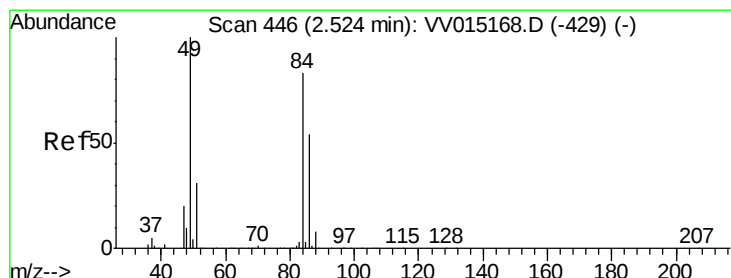
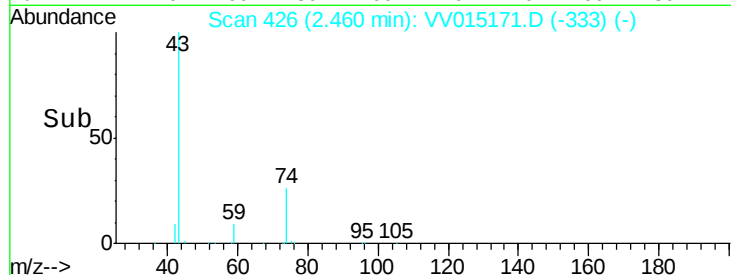
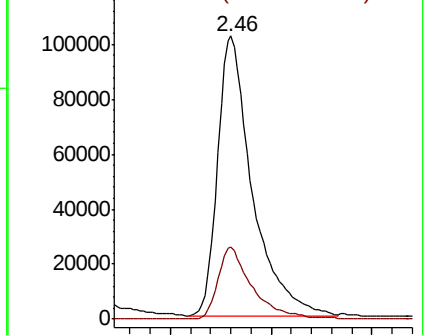
Ion Ratio Lower Upper

43 100

74 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 46.875 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

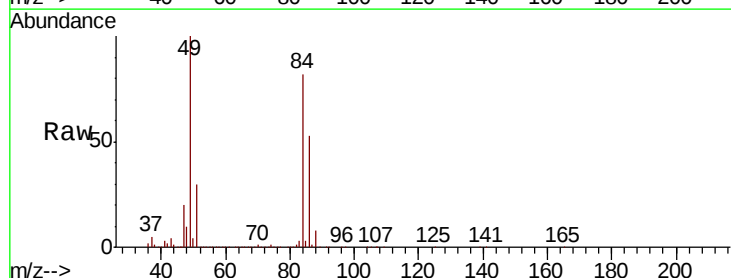
Tgt Ion: 84 Resp: 234475

Ion Ratio Lower Upper

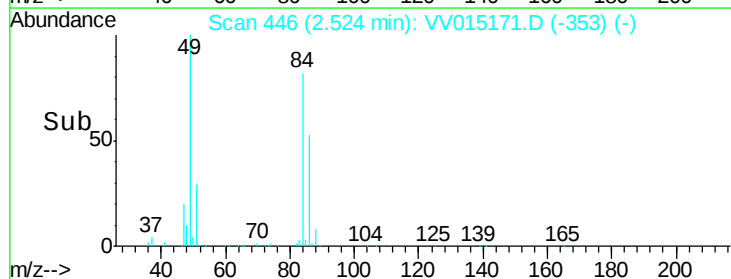
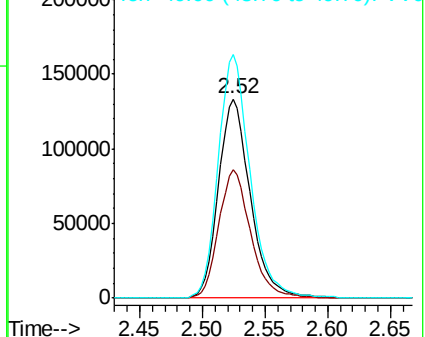
84 100

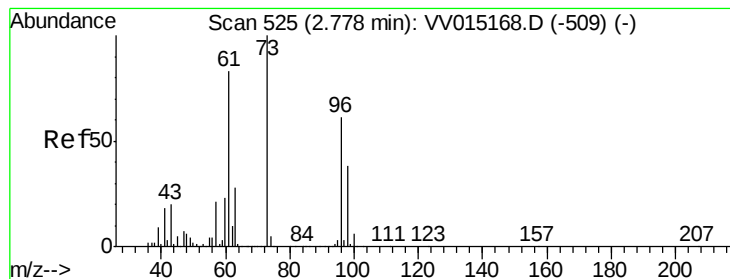
86 64.4 45.1 83.9

49 122.4 84.2 156.4



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 46.117 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :
MSVOA_V
ClientSampled :

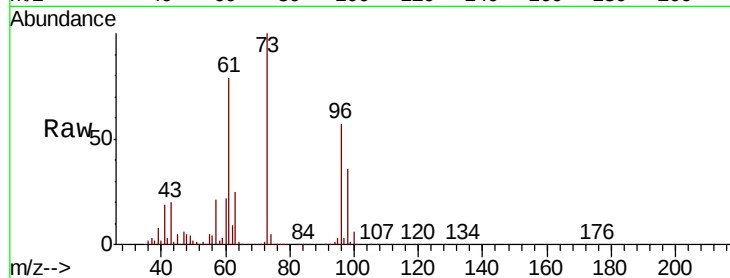
Tot Ion: 96 Resp: 214772

Ion Ratio Lower Upper

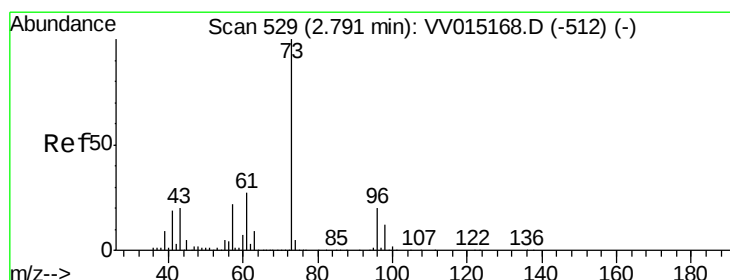
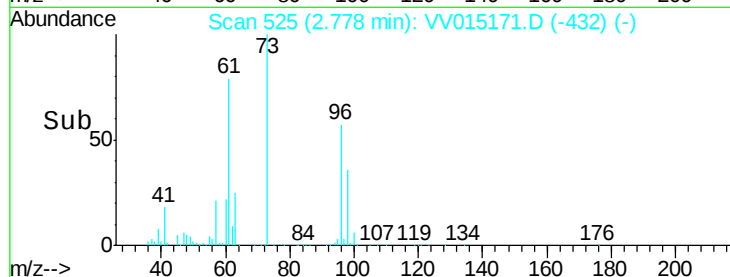
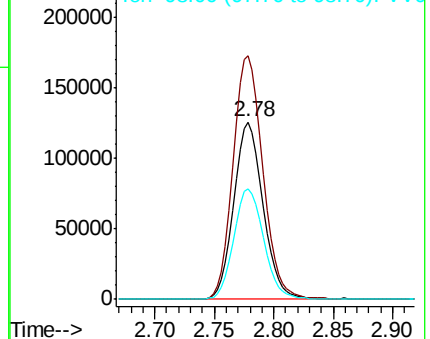
96 100

61 137.4 96.4 179.0

98 62.7 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 47.145 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

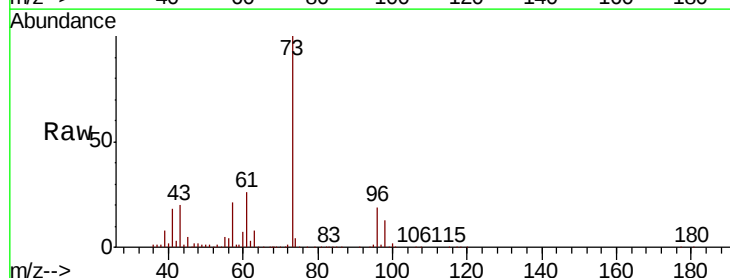
Tgt Ion: 73 Resp: 739984

Ion Ratio Lower Upper

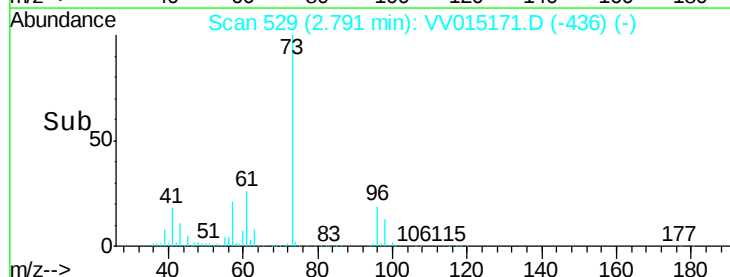
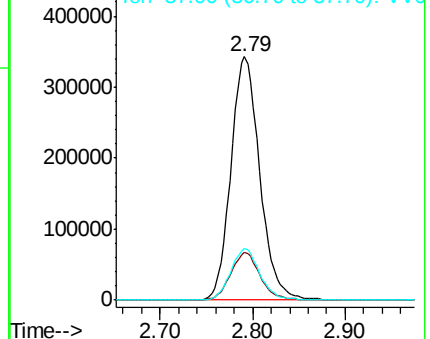
73 100

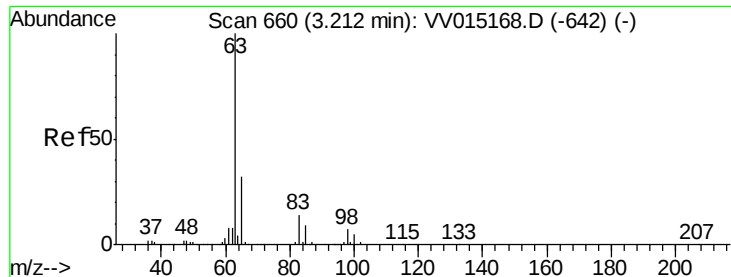
43 19.4 15.8 23.6

57 21.1 17.1 25.7



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





#19

1,1-Dichloroethane

Concen: 46.743 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

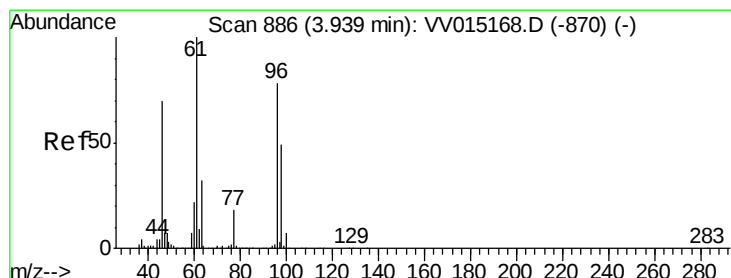
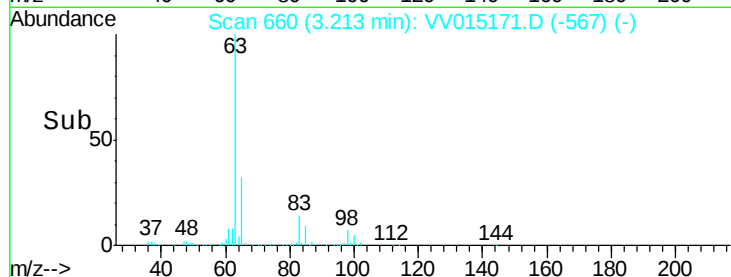
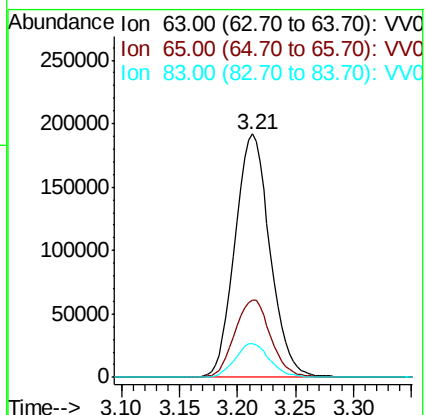
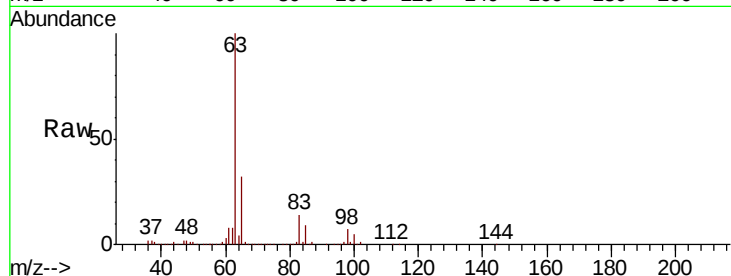
Tot Ion: 63 Resp: 402095

Ion Ratio Lower Upper

63 100

65 31.9 22.2 41.2

83 13.8 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 46.809 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

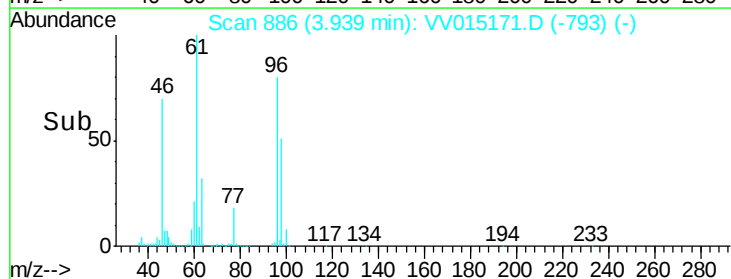
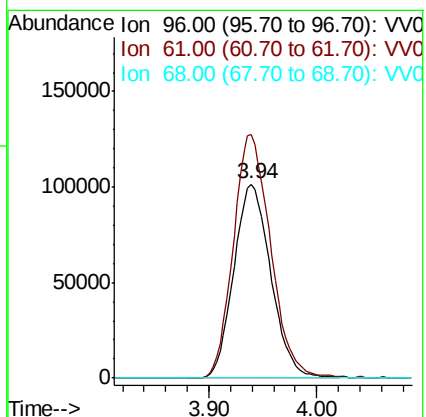
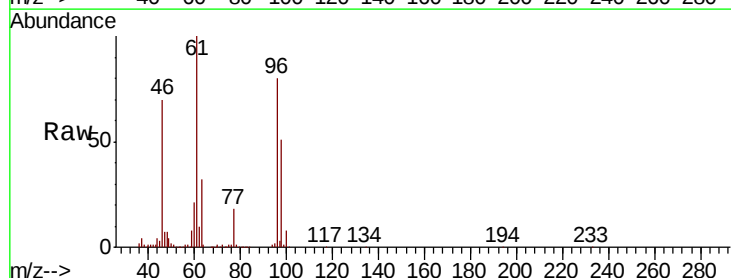
Tgt Ion: 96 Resp: 242830

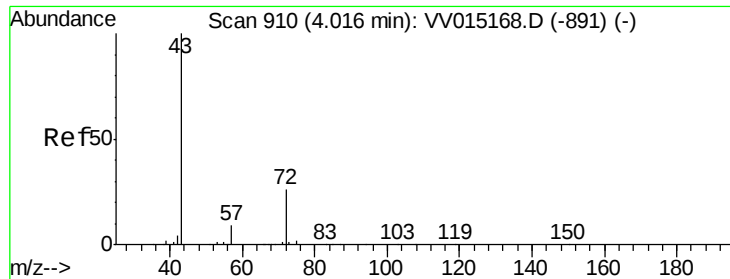
Ion Ratio Lower Upper

96 100

61 125.6 90.2 167.4

68 0.3 0.1 0.3





#22

2-Butanone

Concen: 95.210 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

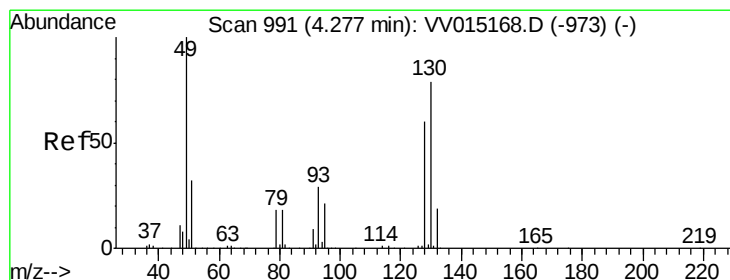
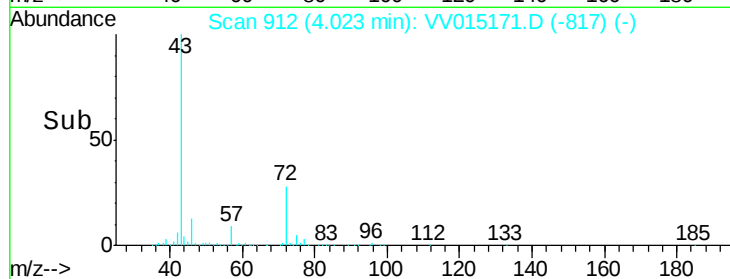
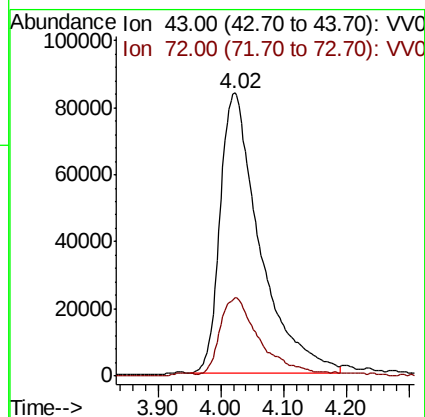
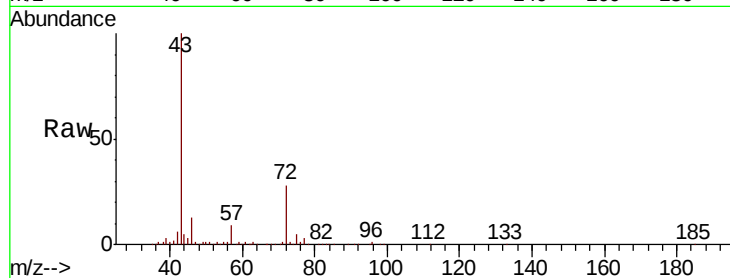
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 367704

Ion Ratio Lower Upper

43 100

72 26.7 13.0 38.9



#23

Bromochloromethane

Concen: 47.083 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Tgt Ion:128 Resp: 118166

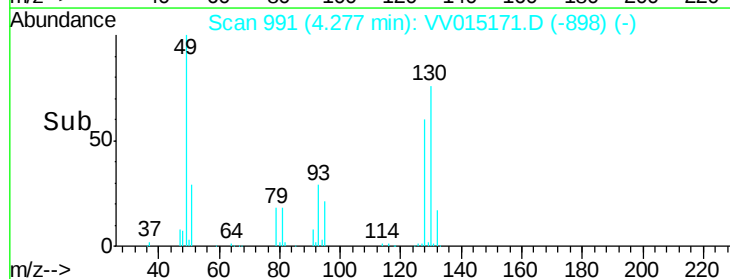
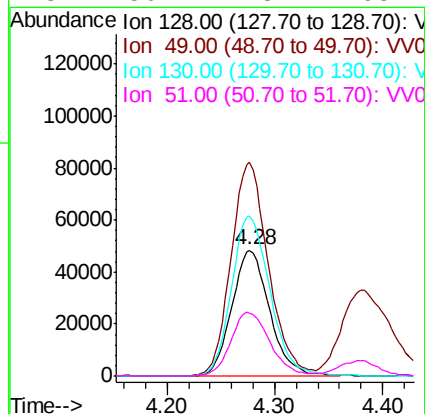
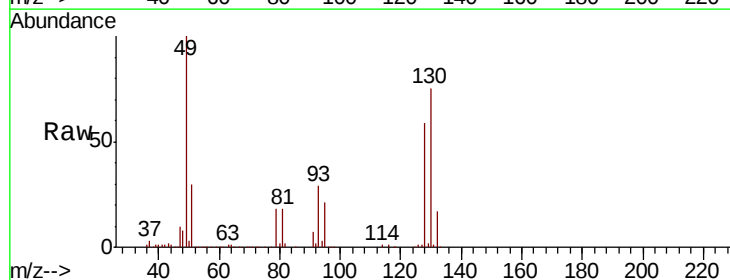
Ion Ratio Lower Upper

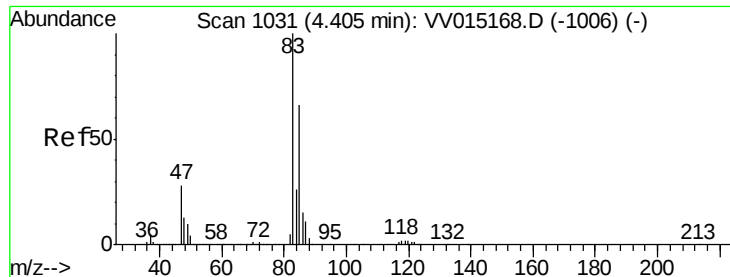
128 100

49 169.5 116.5 216.3

130 126.7 91.4 169.8

51 50.1 43.4 65.2





#25

Chloroform

Concen: 47.556 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

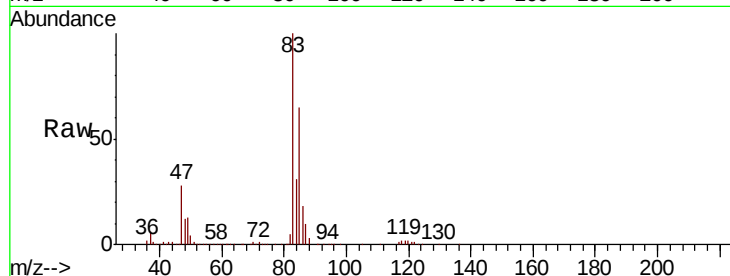
ClientSampleId :

Tot Ion: 83 Resp: 421448

Ion Ratio Lower Upper

83 100

85 65.0 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VV015171.D (-938) (-)

Ion 85.00 (84.70 to 85.70): VV015171.D (-938) (-)

4.40

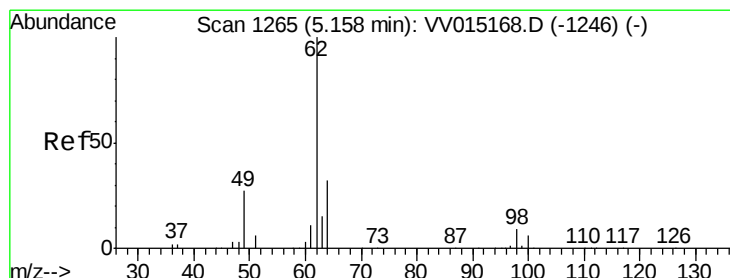
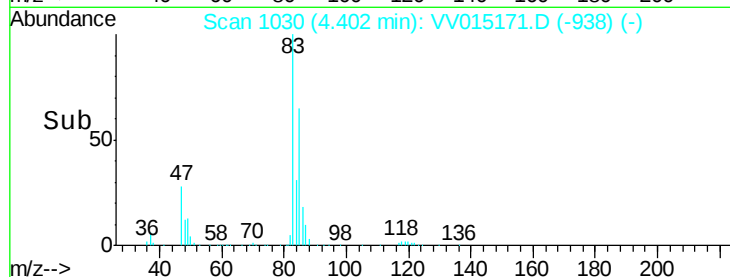
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 46.480 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV015171.D

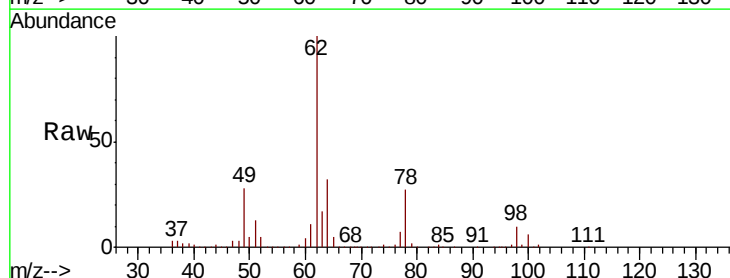
Acq: 26 Mar 2020 16:01

Tgt Ion: 62 Resp: 326568

Ion Ratio Lower Upper

62 100

98 9.5 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV015171.D (-1172) (-)

Ion 98.00 (97.70 to 98.70): VV015171.D (-1172) (-)

5.16

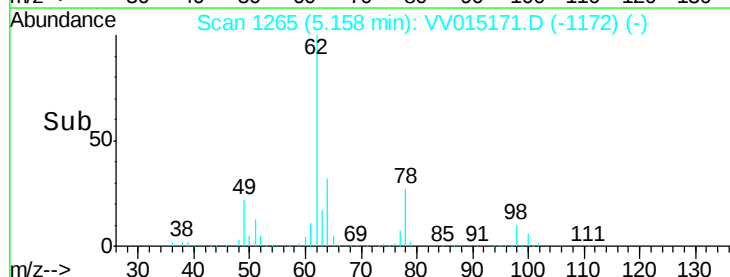
150000

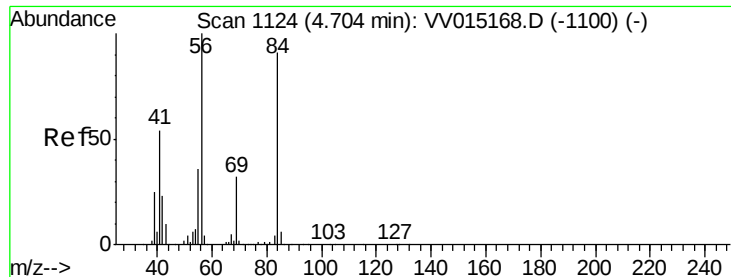
100000

50000

0

Time-->

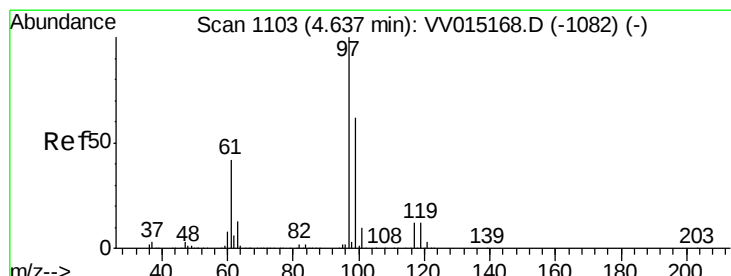
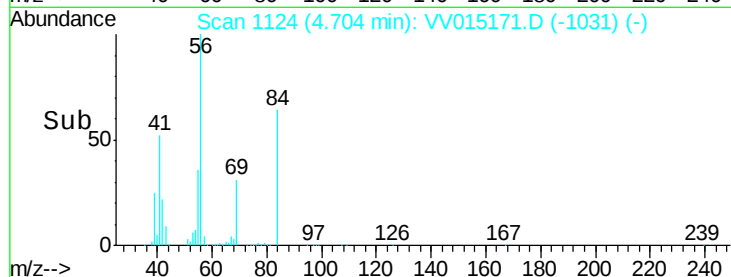
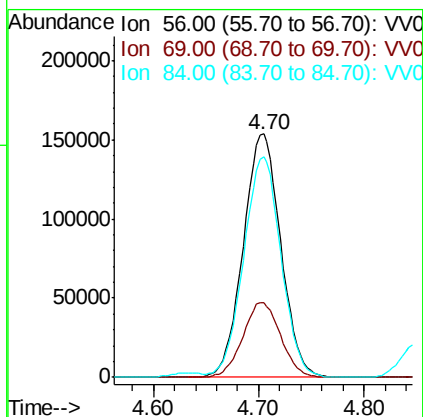
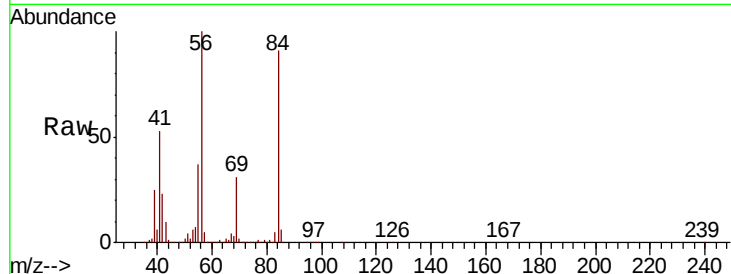




#29
Cyclohexane
Concen: 47.305 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015171.D
Acq: 26 Mar 2020 16:01

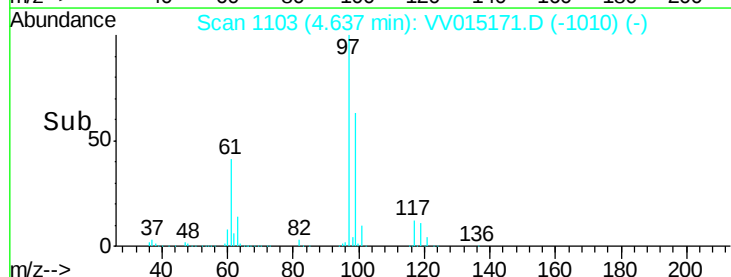
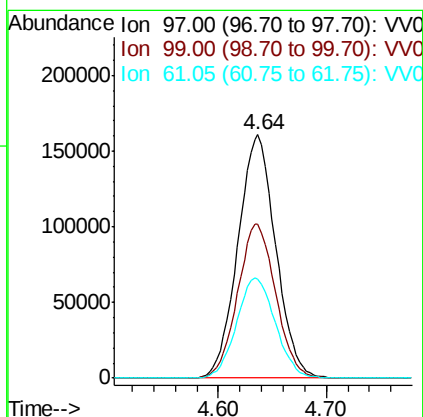
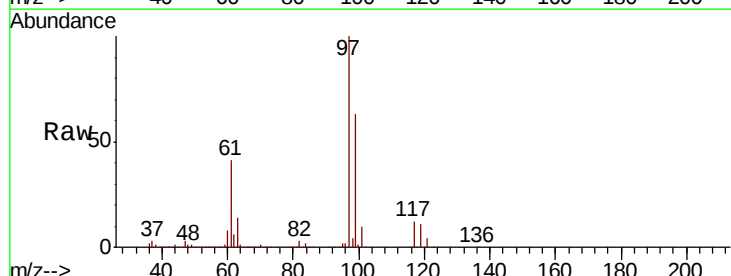
Instrument :
MSVOA_V
ClientSampleId :

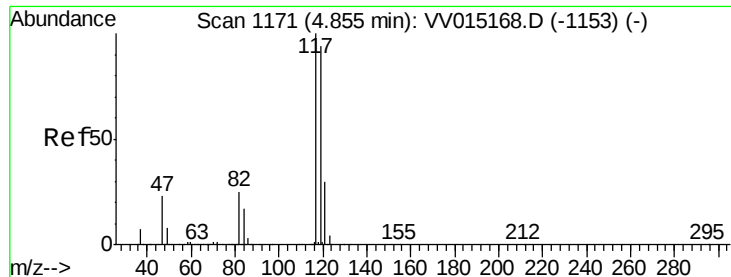
Tot Ion	56	Resp	377566
Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.5	38.3
84	90.7	73.3	109.9



#30
1,1,1-Trichloroethane
Concen: 47.367 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015171.D
Acq: 26 Mar 2020 16:01

Tgt Ion	97	Resp	391180
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	42.4	33.8	50.6

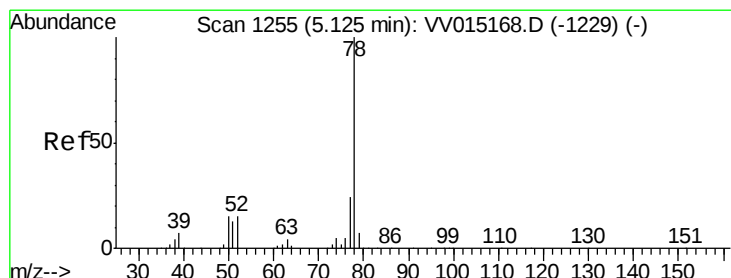
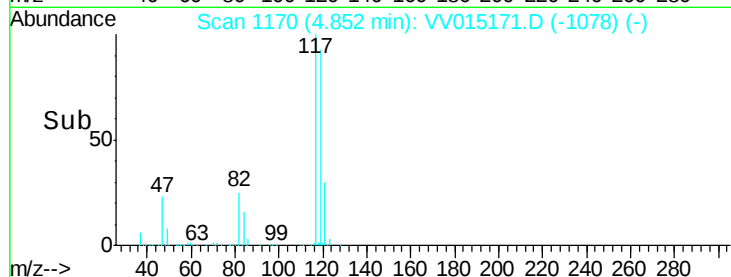
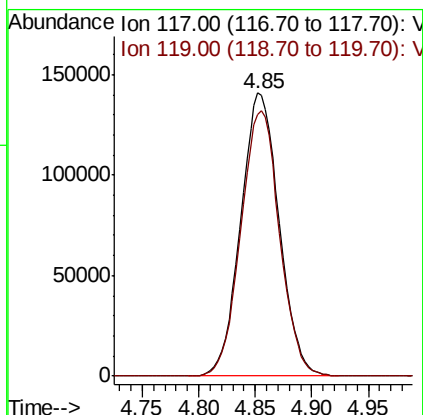
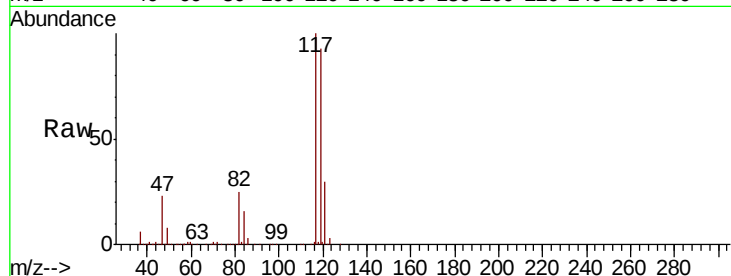




#31
Carbon tetrachloride
Concen: 47.841 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV015171.D
Acq: 26 Mar 2020 16:01

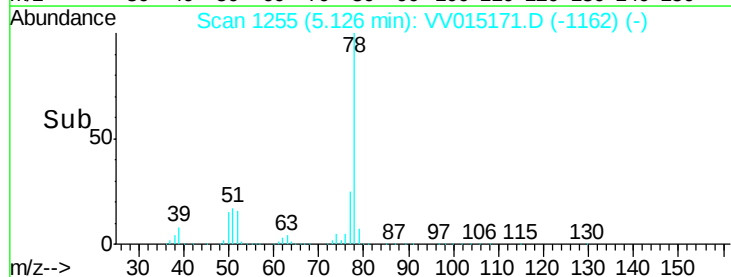
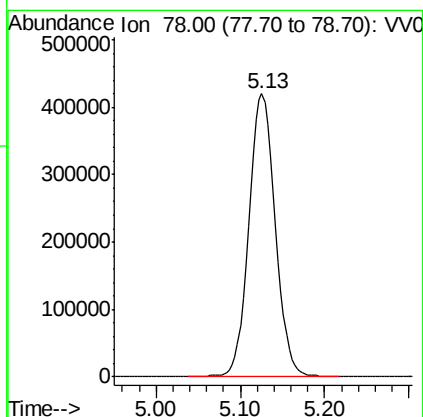
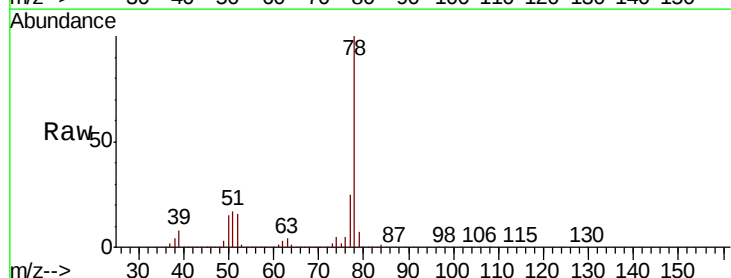
Instrument :
MSVOA_V
ClientSampled :

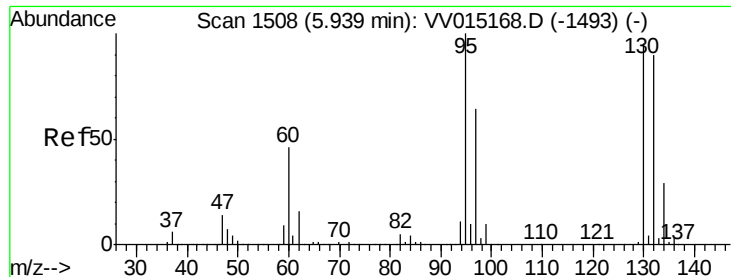
Tot Ion:117 Resp: 332095
Ion Ratio Lower Upper
117 100
119 94.6 76.6 115.0



#33
Benzene
Concen: 47.095 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015171.D
Acq: 26 Mar 2020 16:01

Tgt Ion: 78 Resp: 914355

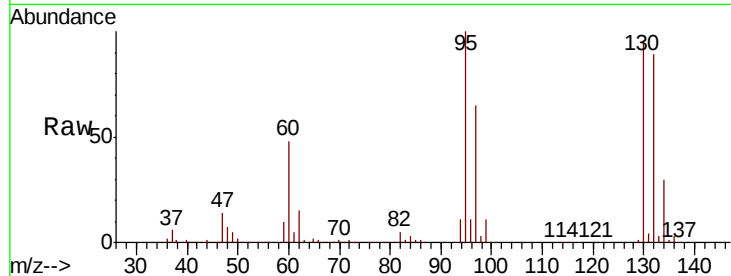




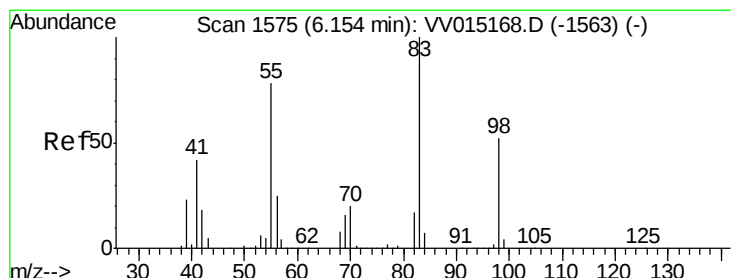
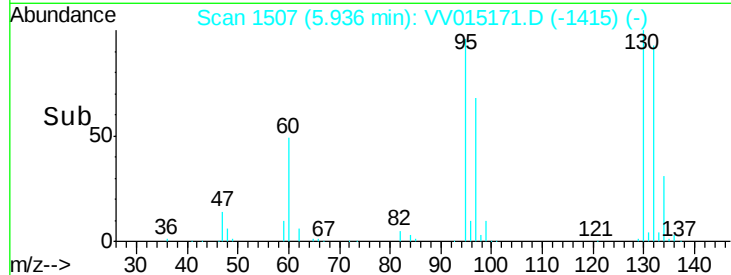
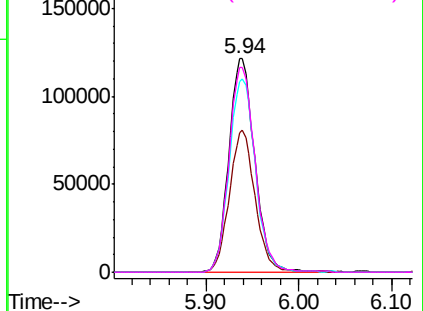
#34
 Trichloroethene
 Concen: 46.616 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 235766
 Ion Ratio Lower Upper
 95 100
 97 65.2 44.8 83.2
 132 89.4 63.2 117.4
 130 95.8 66.8 124.0

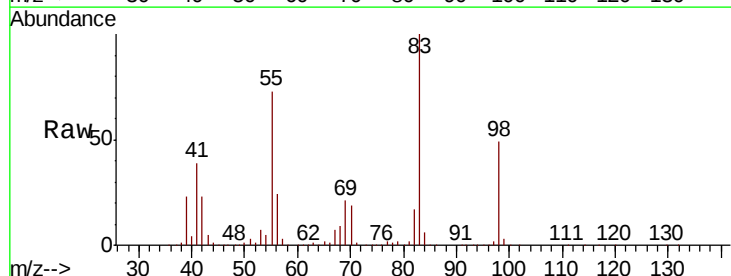


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

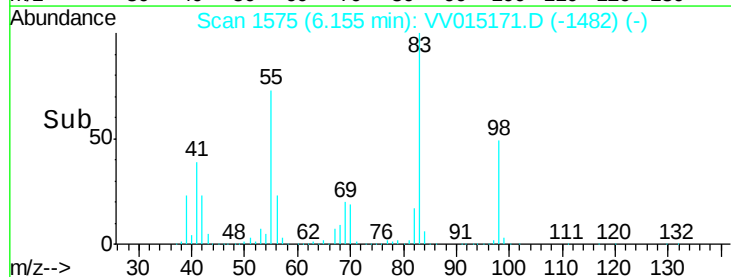
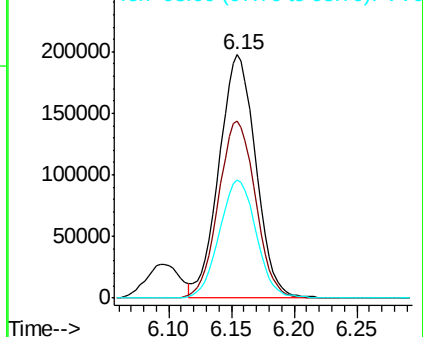


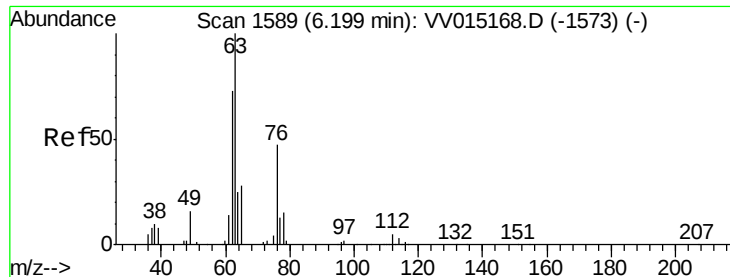
#35
 Methylcyclohexane
 Concen: 47.790 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

Tgt Ion: 83 Resp: 401663
 Ion Ratio Lower Upper
 83 100
 55 72.9 58.8 88.2
 98 48.0 38.8 58.2



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





#37

1,2-Dichloropropane

Concen: 47.839 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

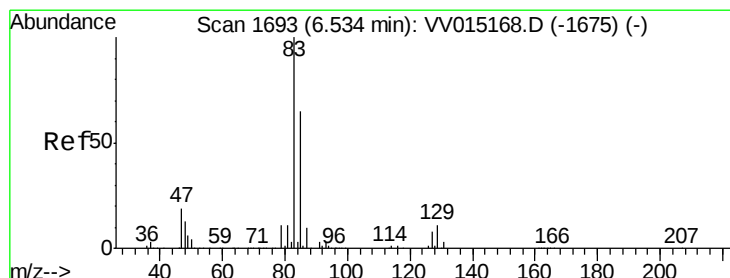
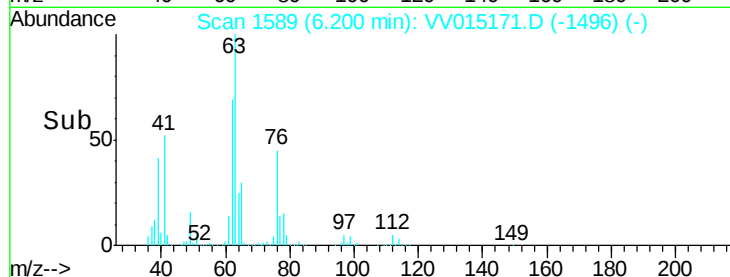
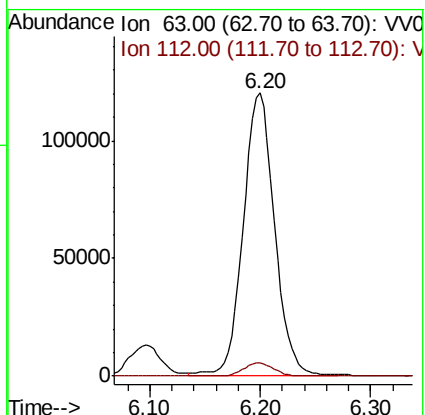
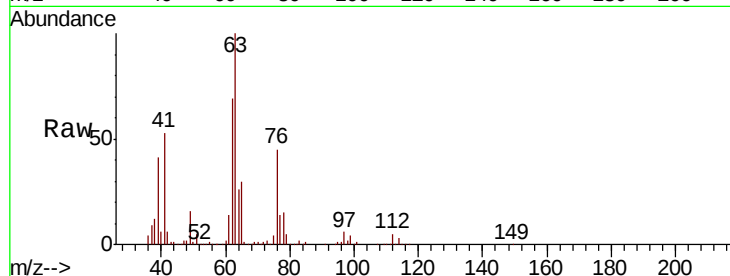
ClientSampled :

Tot Ion: 63 Resp: 237473

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 47.087 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

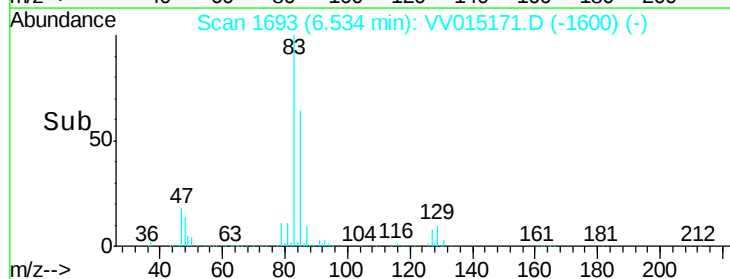
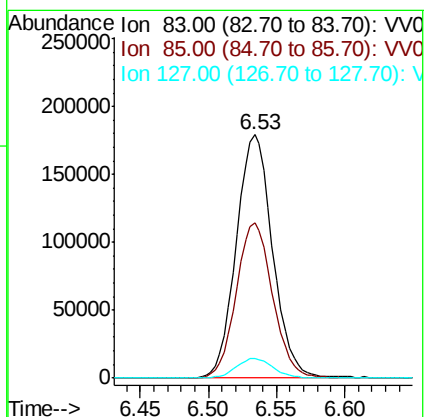
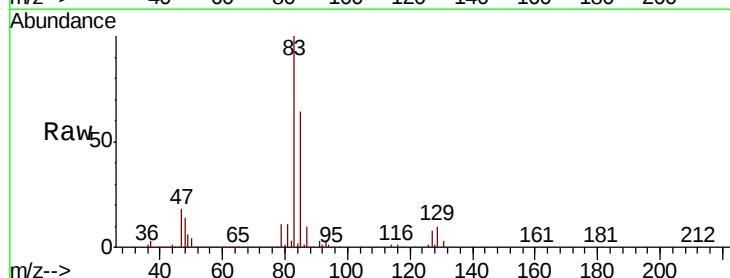
Tgt Ion: 83 Resp: 331254

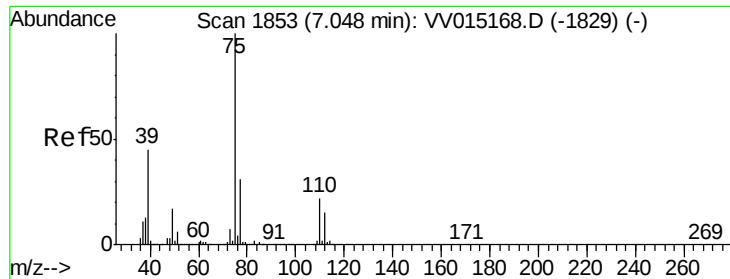
Ion Ratio Lower Upper

83 100

85 63.5 45.3 84.1

127 7.9 6.6 10.0

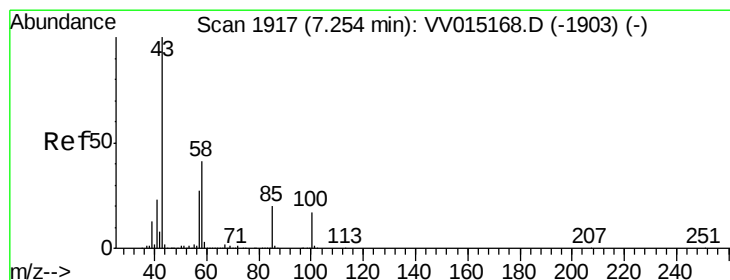
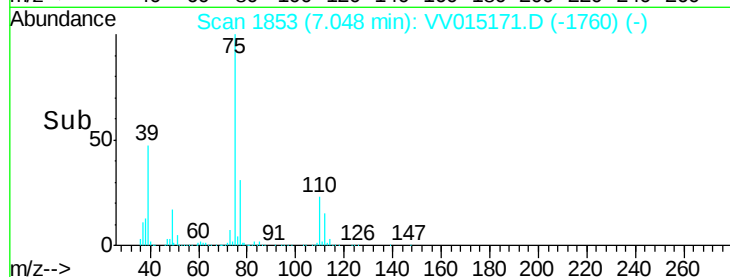
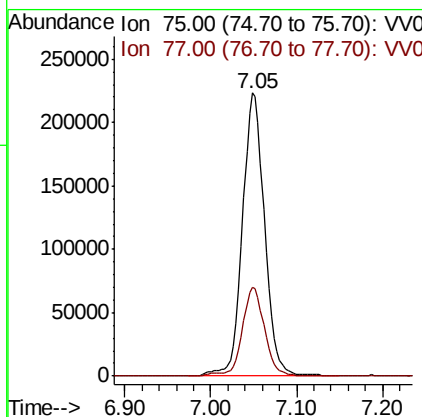
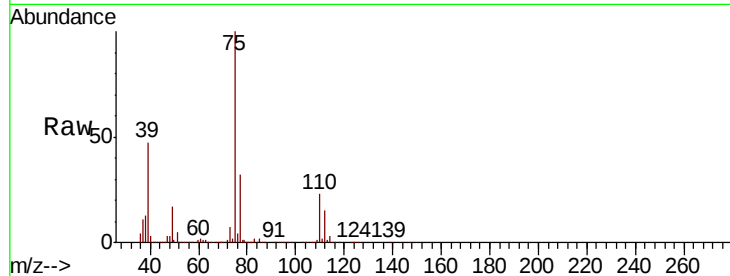




#39
 cis-1,3-Dichloropropene
 Concen: 48.113 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

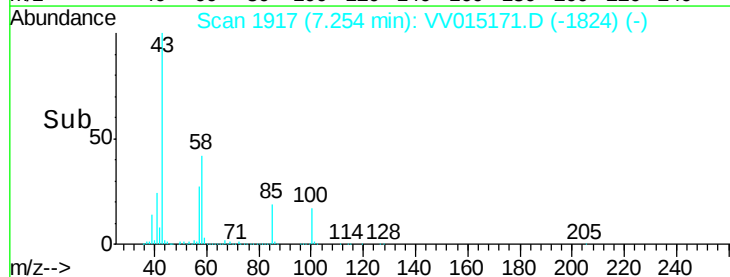
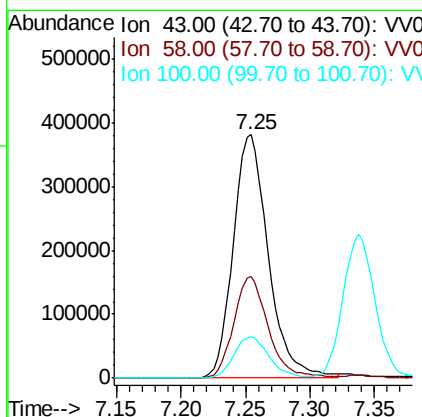
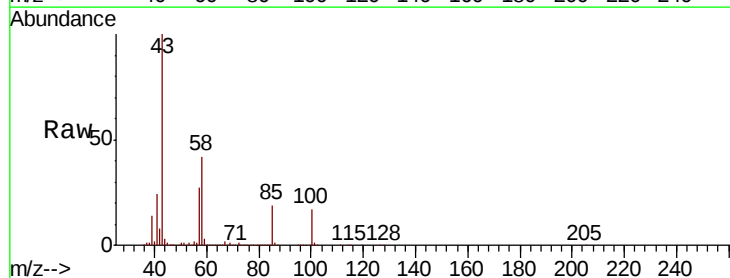
Instrument :
 MSVOA_V
 ClientSampleId :

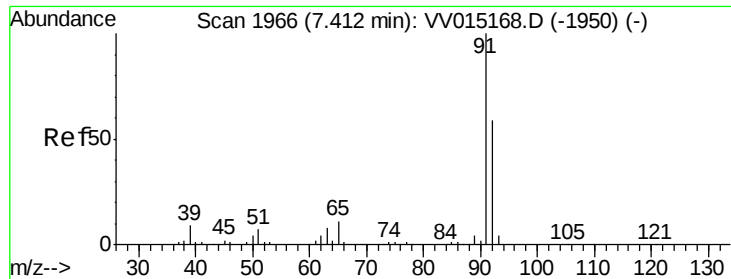
Tot Ion: 75 Resp: 399209
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 96.296 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

Tgt Ion: 43 Resp: 720850
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.5 48.7
 100 17.2 13.4 20.2





#42

Toluene

Concen: 47.409 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

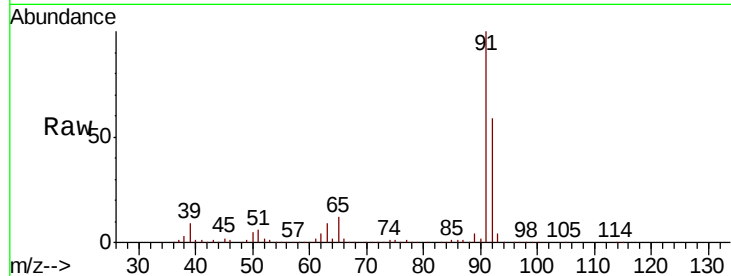
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1026888

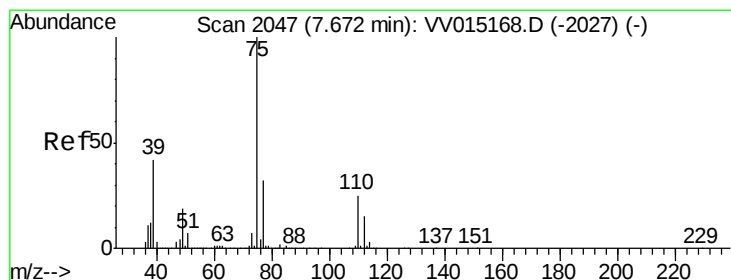
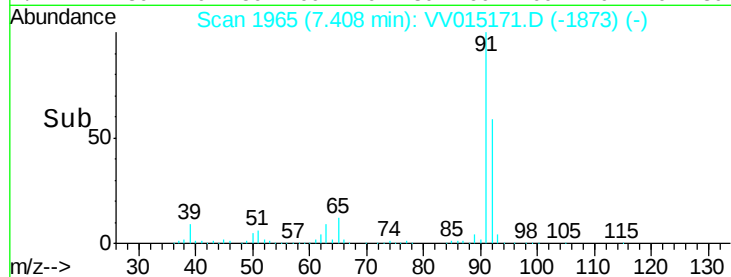
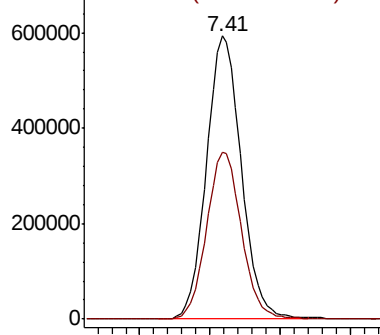
Ion Ratio Lower Upper

91 100

92 59.2 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 47.895 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015171.D

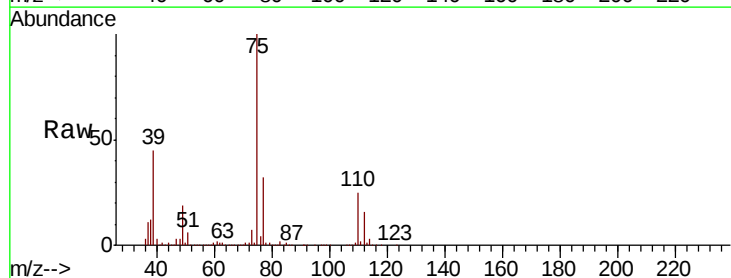
Acq: 26 Mar 2020 16:01

Tgt Ion: 75 Resp: 387996

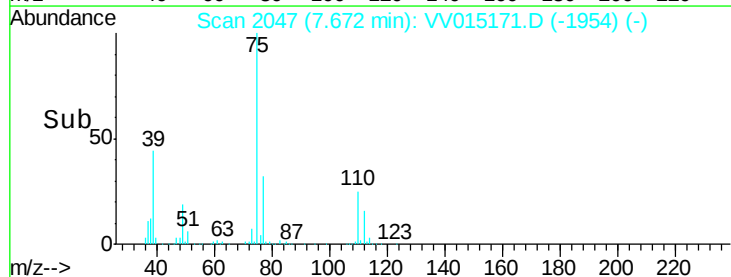
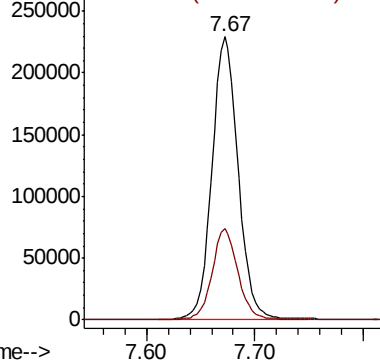
Ion Ratio Lower Upper

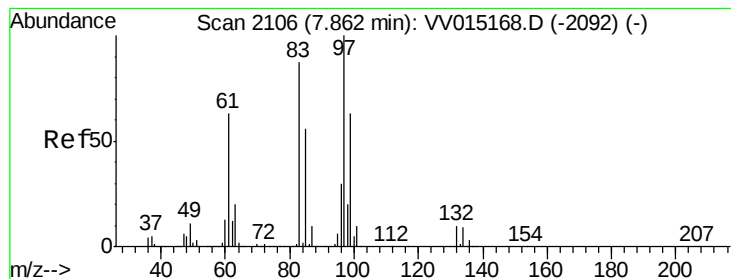
75 100

77 32.3 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 47.899 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 232755

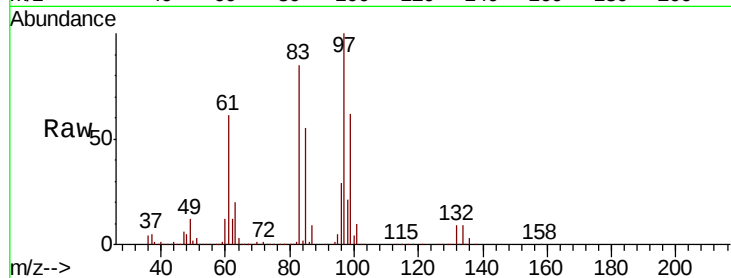
Ion Ratio Lower Upper

97 100

99 61.6 44.3 82.3

83 85.3 60.5 112.5

85 54.7 39.1 72.5



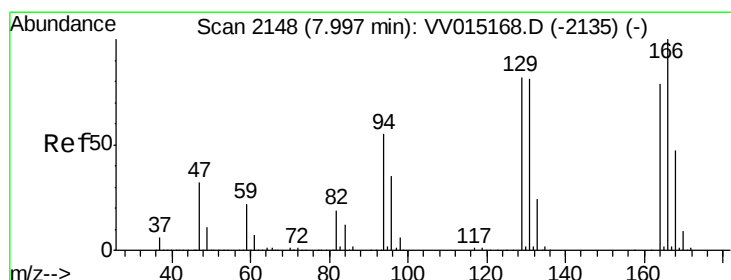
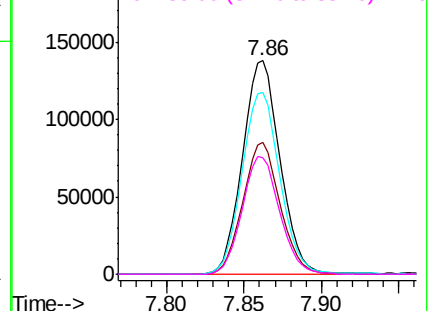
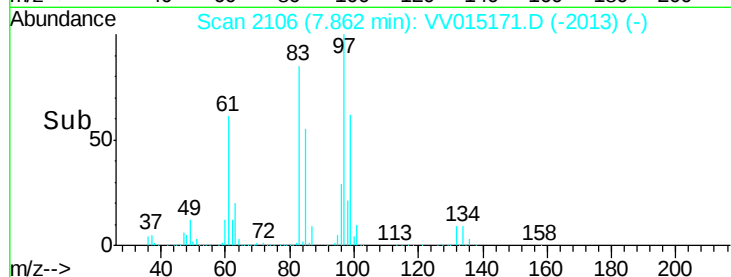
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 48.564 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Tgt Ion: 164 Resp: 165061

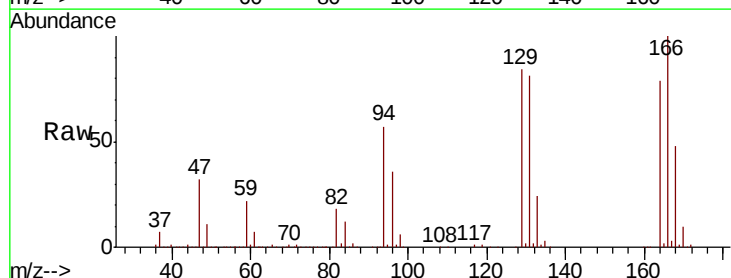
Ion Ratio Lower Upper

164 100

129 107.0 72.7 135.1

131 103.2 71.6 133.0

166 126.8 88.8 165.0



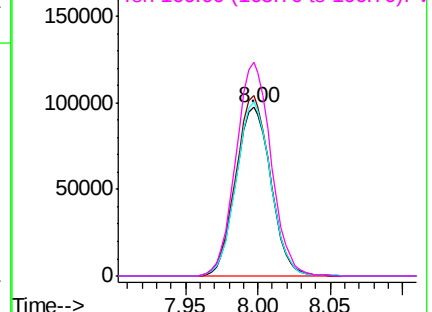
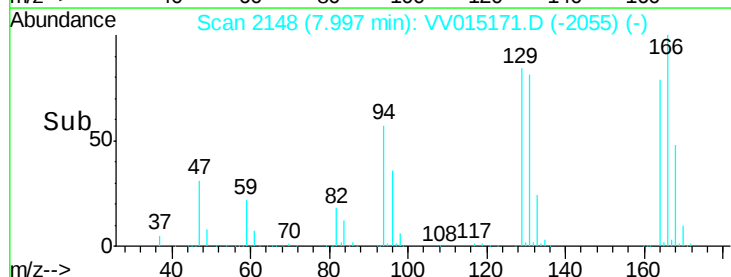
Abundance

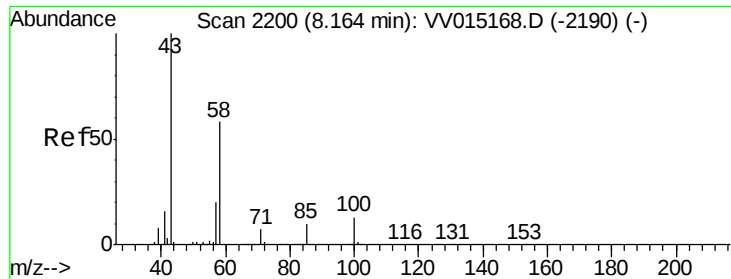
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

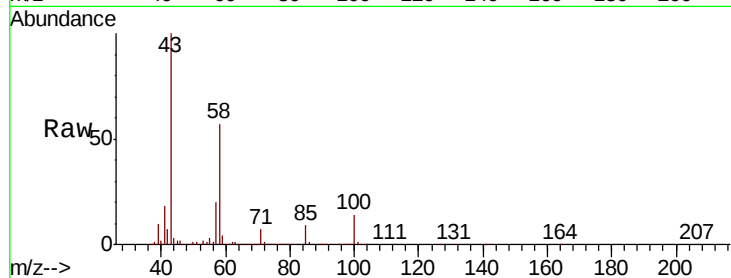




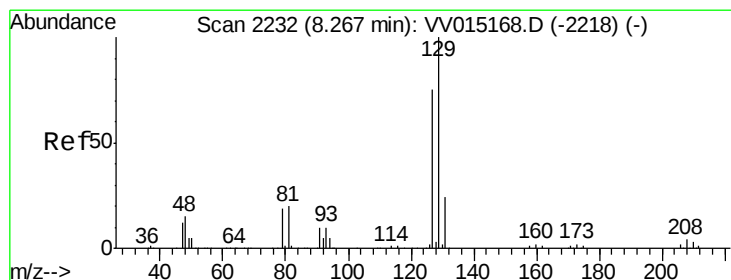
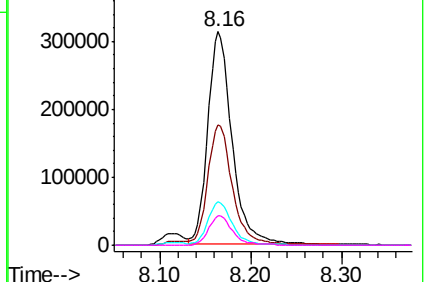
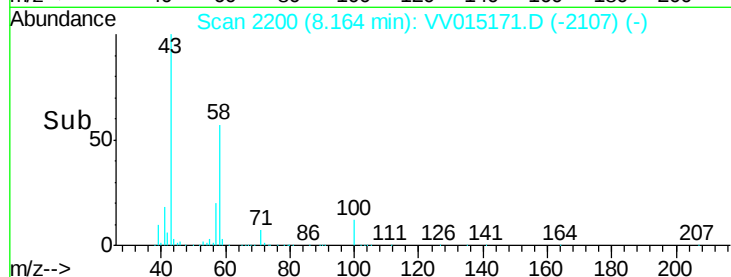
#48
2-Hexanone
Concen: 98.218 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015171.D
Acq: 26 Mar 2020 16:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 580596
Ion Ratio Lower Upper
43 100
58 57.1 44.3 66.5
57 20.9 15.4 23.0
100 13.5 10.4 15.6

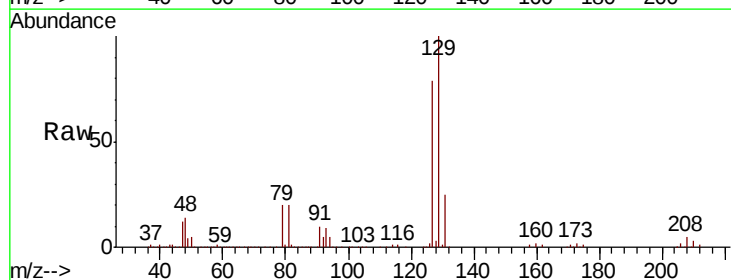


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

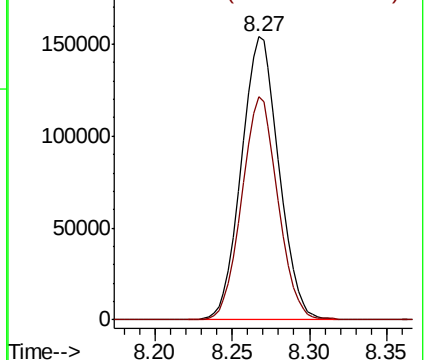
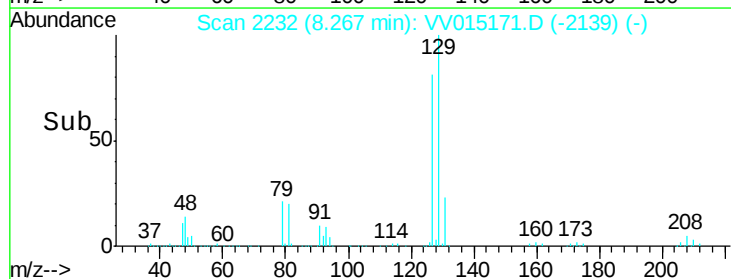


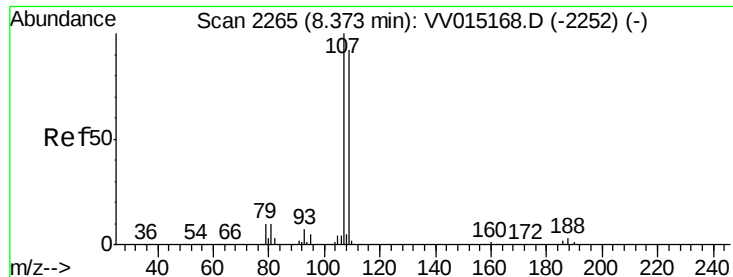
#49
Dibromochloromethane
Concen: 48.643 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015171.D
Acq: 26 Mar 2020 16:01

Tgt Ion: 129 Resp: 260430
Ion Ratio Lower Upper
129 100
127 78.9 52.4 97.4



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

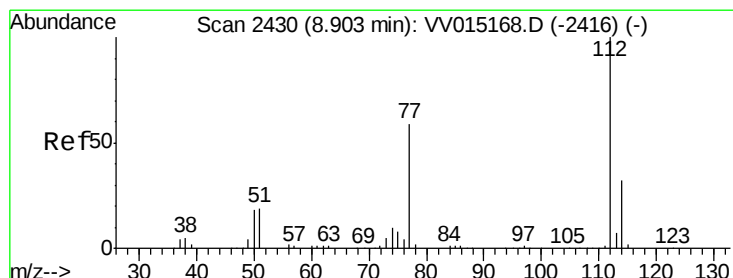
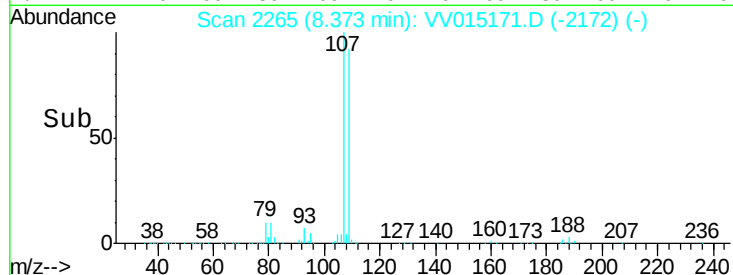
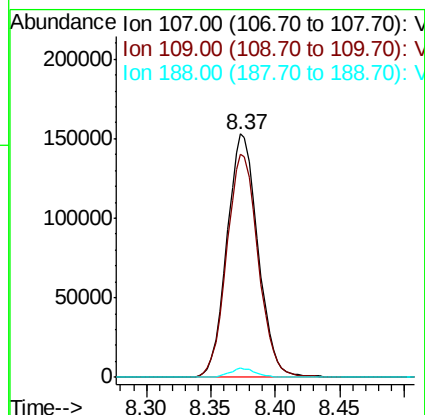
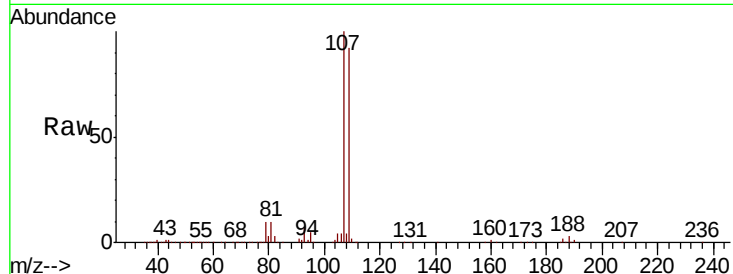




#50
 1,2-Dibromoethane
 Concen: 48.439 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

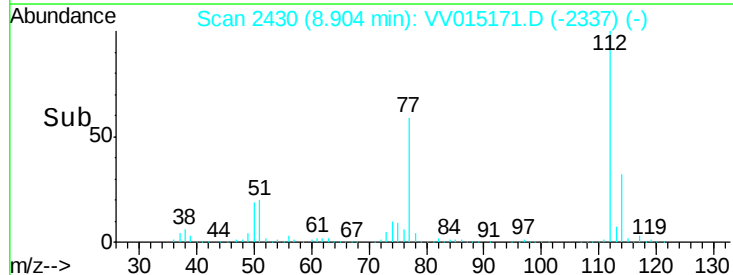
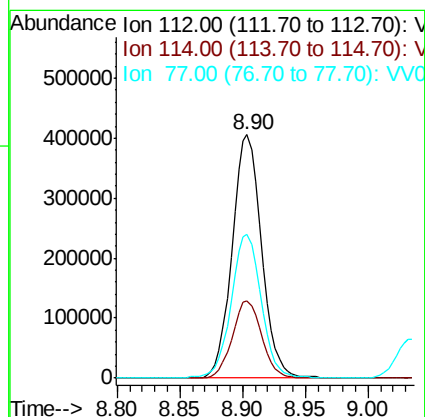
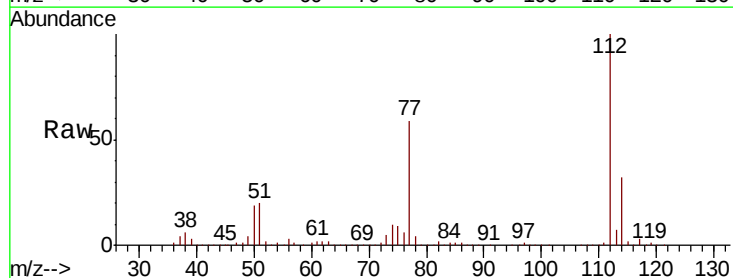
Instrument :
 MSVOA_V
 ClientSampleId :

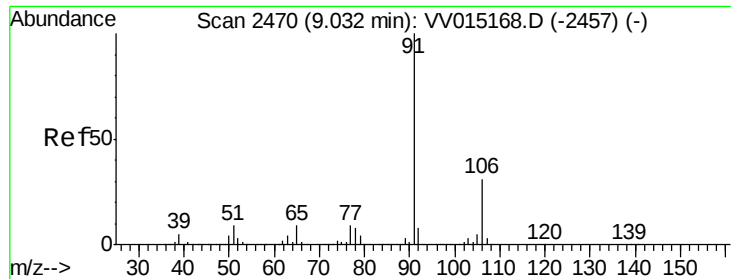
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	64.5	119.9
188	3.6	2.5	3.7



#51
 Chlorobenzene
 Concen: 47.781 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.1	41.1
77	58.9	47.3	70.9





#52

Ethylbenzene

Concen: 47.820 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

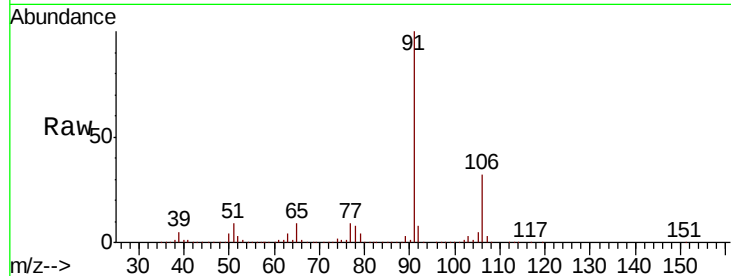
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1166975

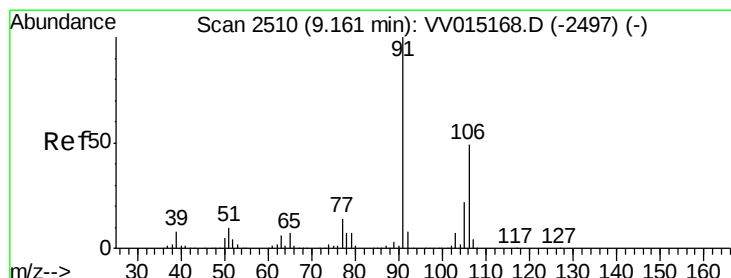
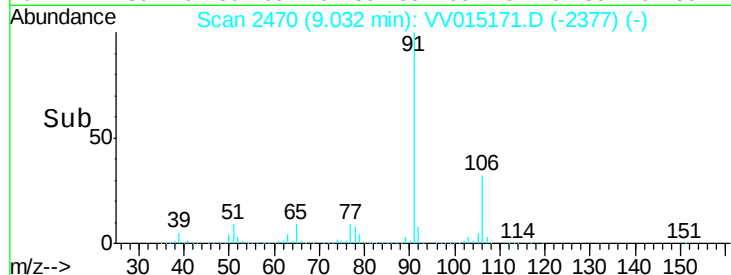
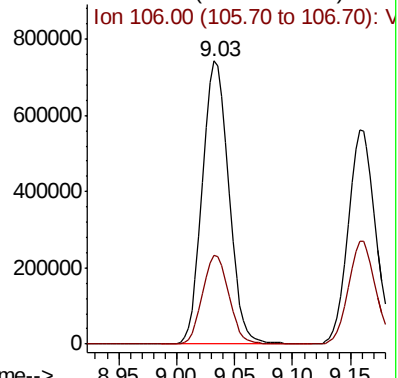
Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV015171.D (-2377) (-)



#53

m,p-Xylene

Concen: 48.023 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015171.D

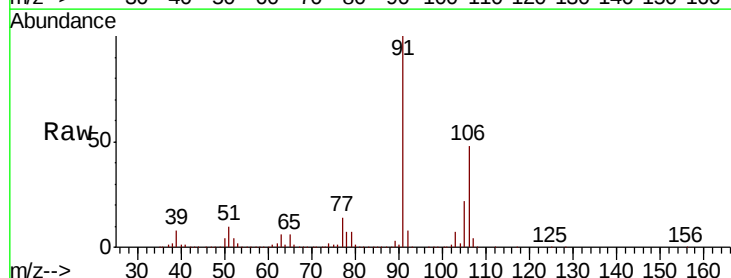
Acq: 26 Mar 2020 16:01

Tgt Ion: 106 Resp: 447101

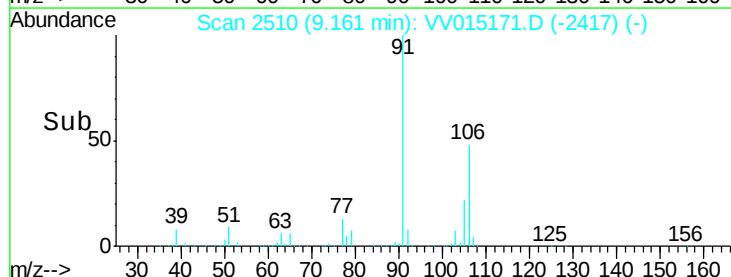
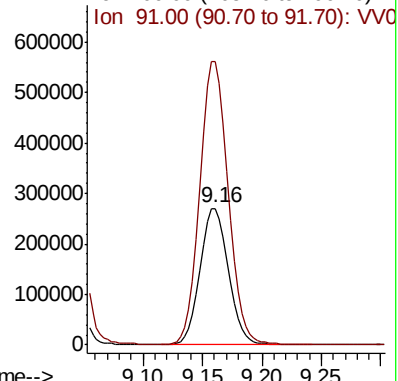
Ion Ratio Lower Upper

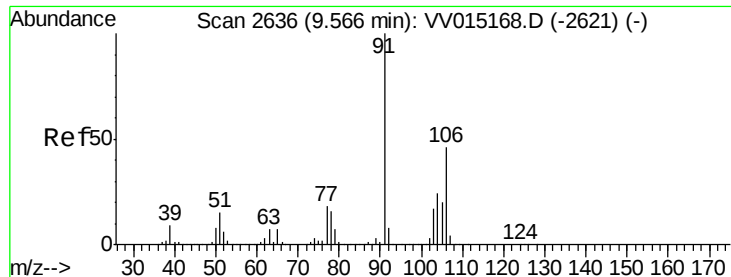
106 100

91 207.2 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV015171.D (-2417) (-)





#54

o-xylene

Concen: 47.549 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

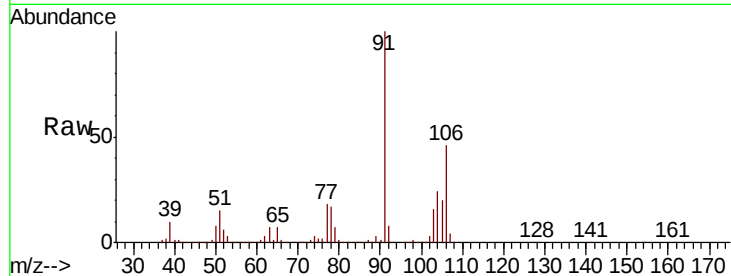
ClientSampleId :

Tot Ion:106 Resp: 444642

Ion Ratio Lower Upper

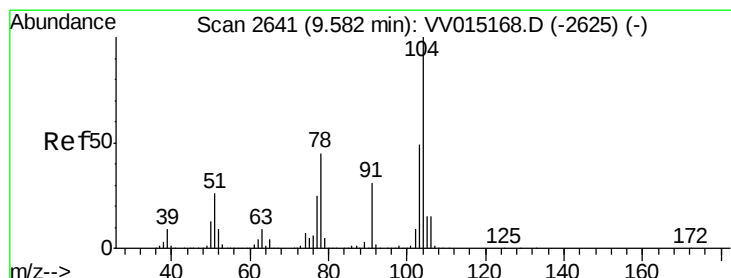
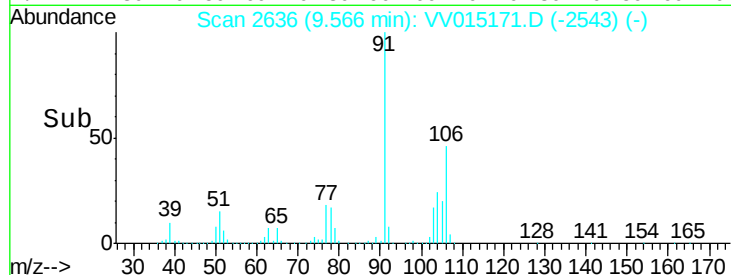
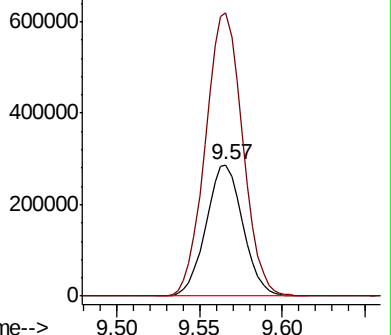
106 100

91 215.7 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.508 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015171.D

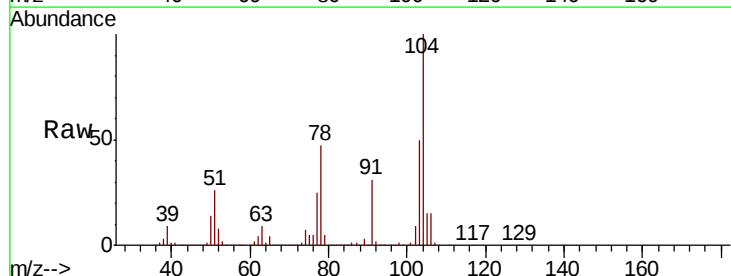
Acq: 26 Mar 2020 16:01

Tgt Ion:104 Resp: 767465

Ion Ratio Lower Upper

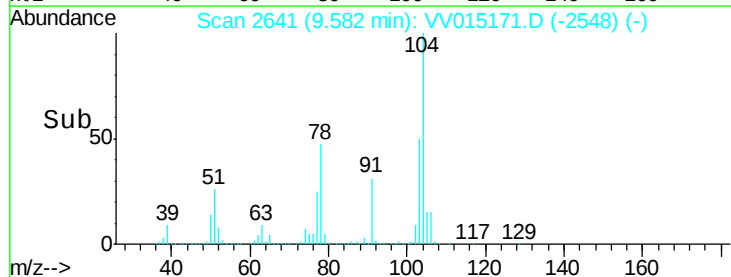
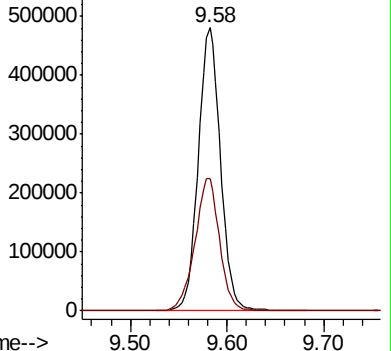
104 100

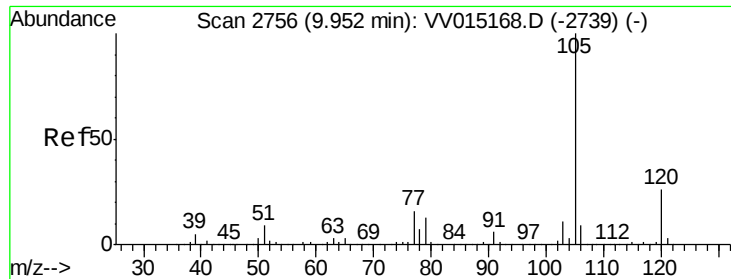
78 46.6 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.393 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

ClientSampled :

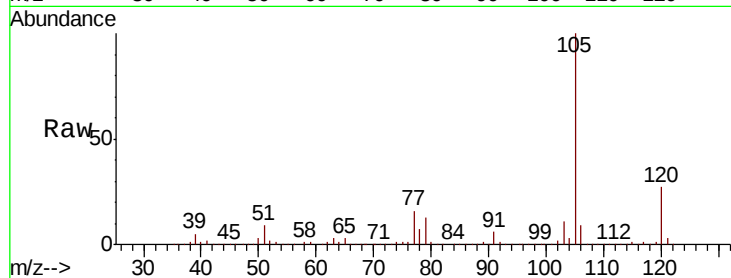
Tot Ion:105 Resp: 1161824

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.4

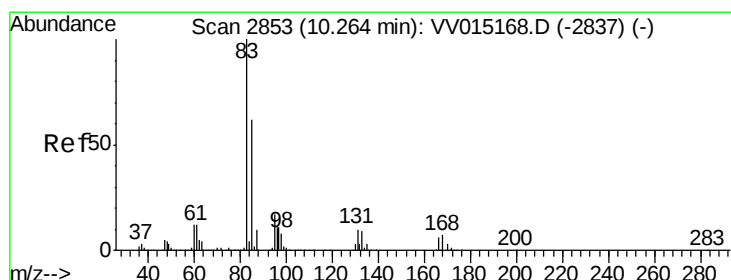
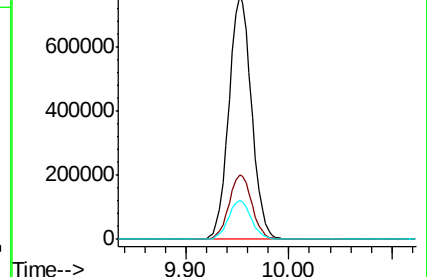
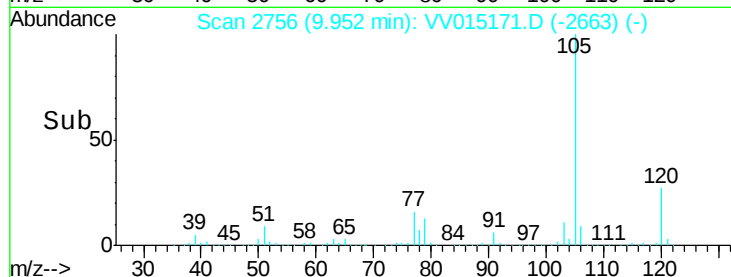
77 16.0 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.435 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

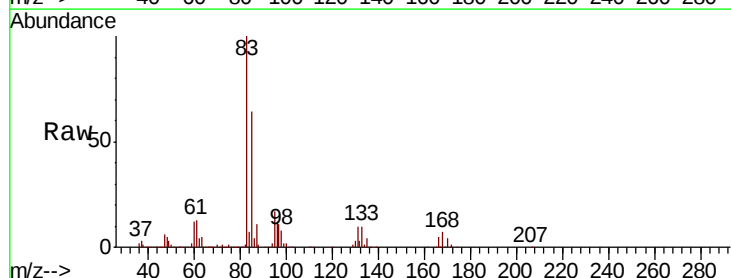
Tgt Ion: 83 Resp: 388530

Ion Ratio Lower Upper

83 100

85 64.2 43.7 81.1

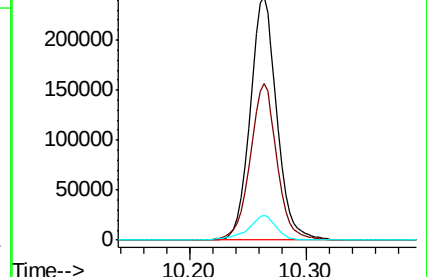
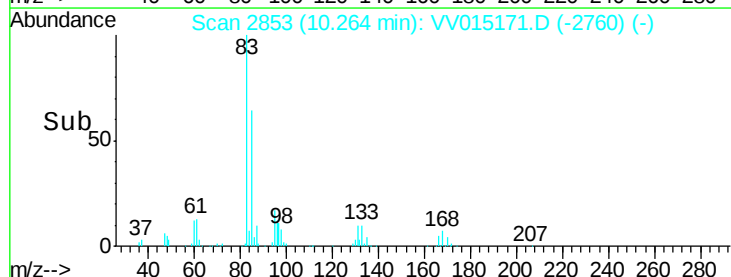
131 10.0 7.8 11.8

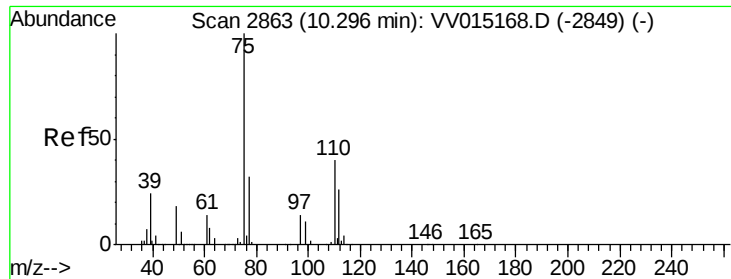


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.992 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

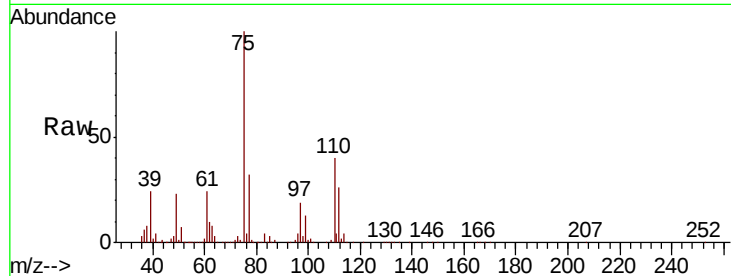
ClientSampleId :

Tot Ion: 75 Resp: 316475

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV015168.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV015168.D (-2849) (-)

10.30

200000

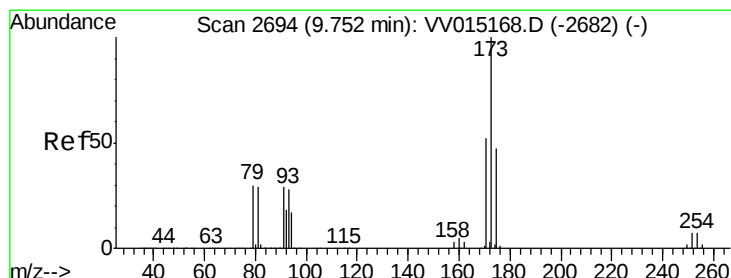
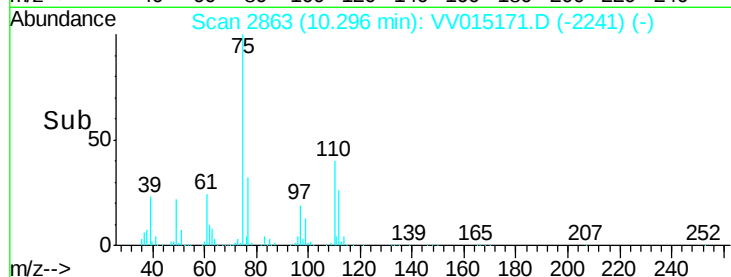
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 49.315 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

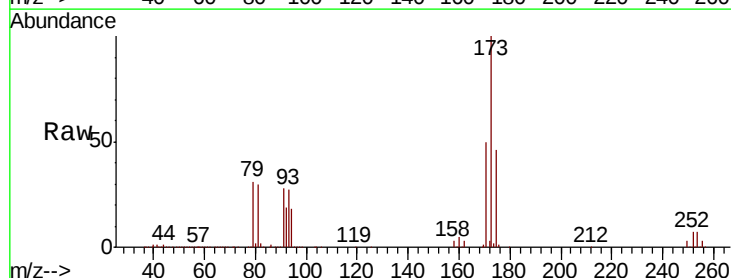
Tgt Ion: 173 Resp: 172728

Ion Ratio Lower Upper

173 100

175 47.3 38.4 57.6

254 7.4 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): VV015168.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015168.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015168.D (-2682) (-)

9.75

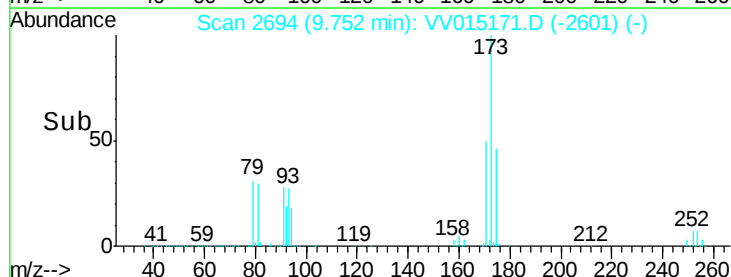
150000

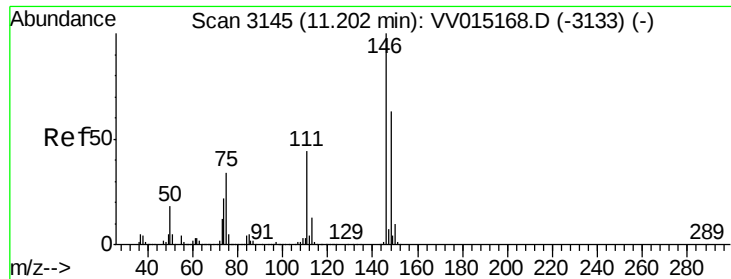
100000

50000

0

Time-->

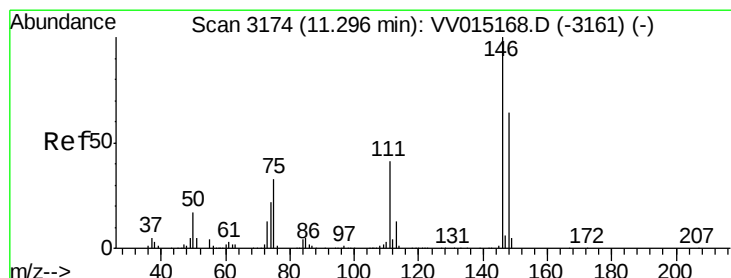
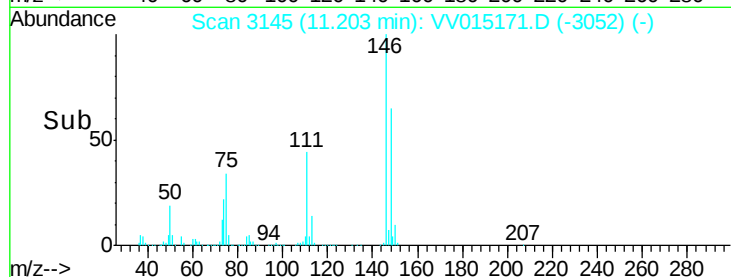
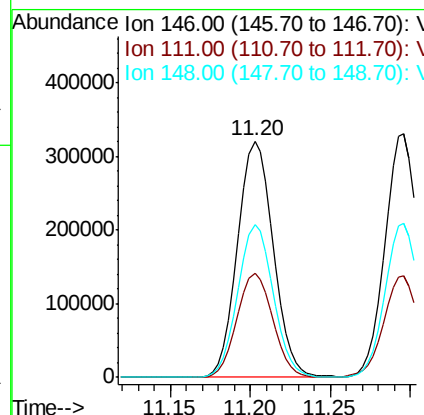
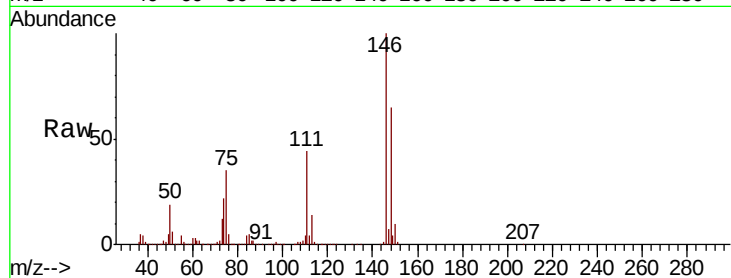




#62
 1,3-Dichlorobenzene
 Concen: 47.915 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

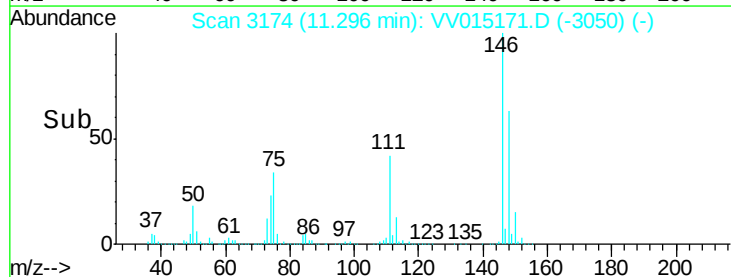
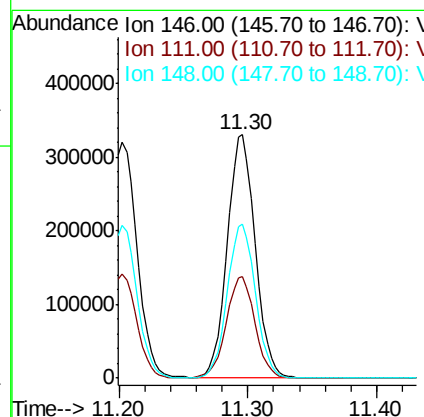
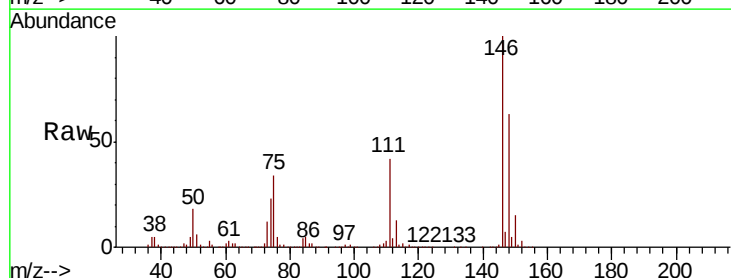
Instrument :
 MSVOA_V
 ClientSampleId :

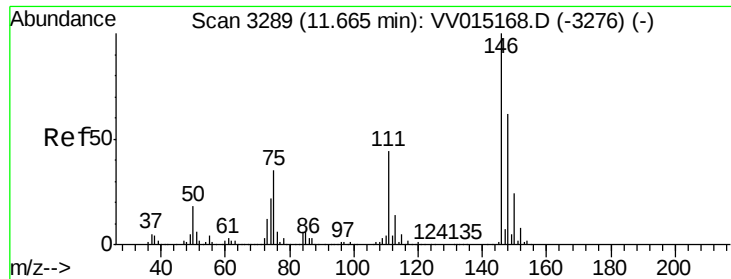
Tot Ion:146 Resp: 488406
 Ion Ratio Lower Upper
 146 100
 111 43.8 30.5 56.7
 148 64.7 44.0 81.6



#63
 1,4-Dichlorobenzene
 Concen: 48.119 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

Tgt Ion:146 Resp: 495477
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.2 54.2
 148 63.4 44.8 83.2

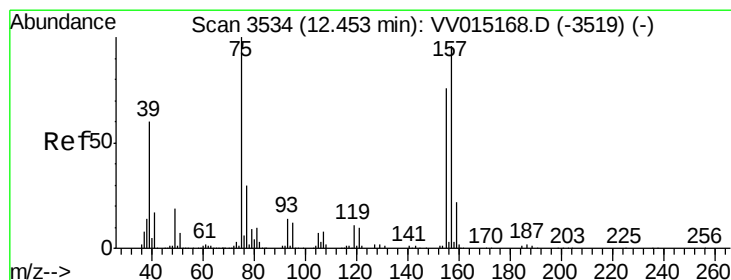
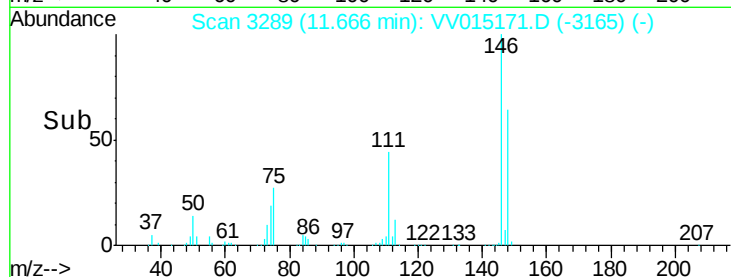
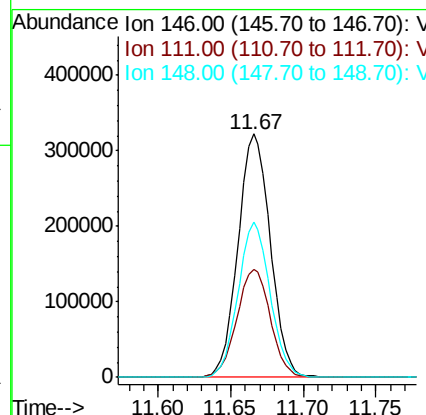
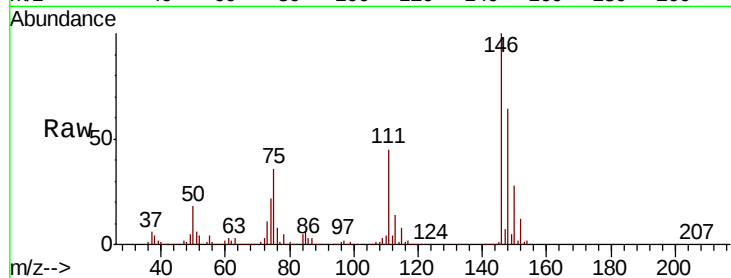




#65
 1,2-Dichlorobenzene
 Concen: 48.318 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

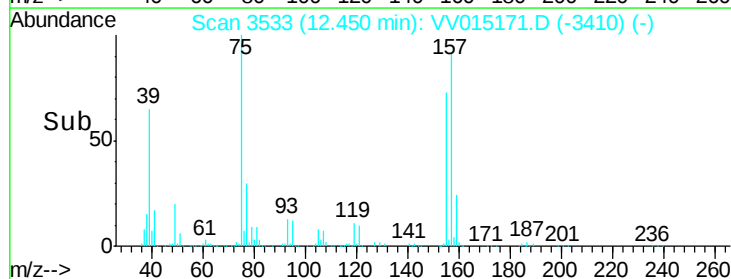
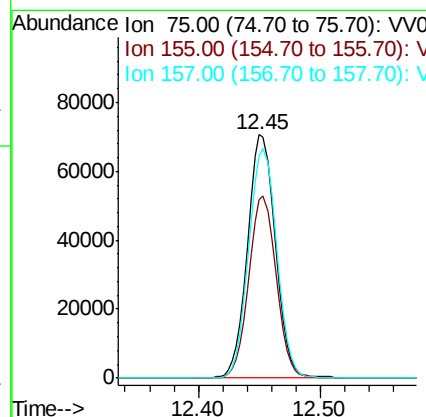
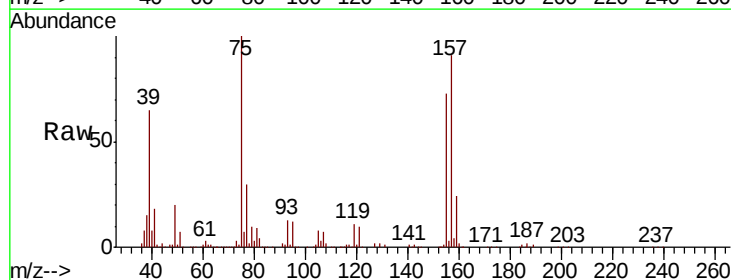
Instrument :
 MSVOA_V
 ClientSampleId :

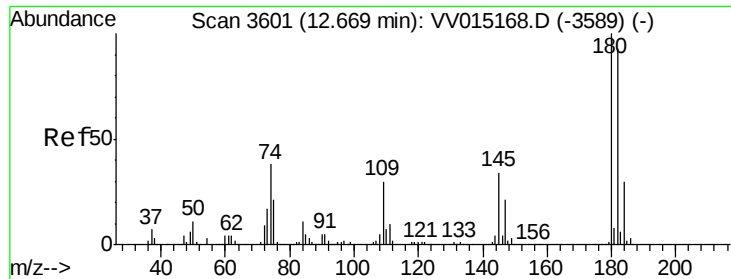
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	35.4	53.2
148	63.7	49.7	74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.338 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	60.5	90.7
157	91.2	76.7	115.1

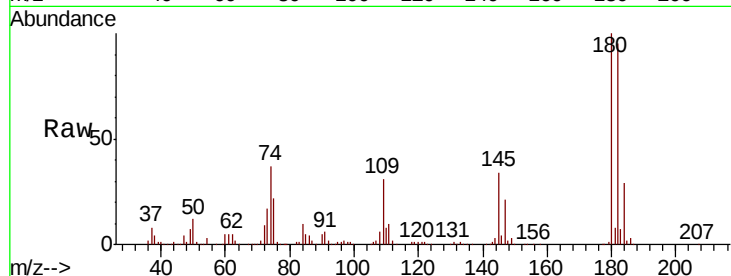




#67
 1,3,5-Trichlorobenzene
 Concen: 48.506 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
184	30.0	24.2	36.4
145	34.3	27.6	41.4



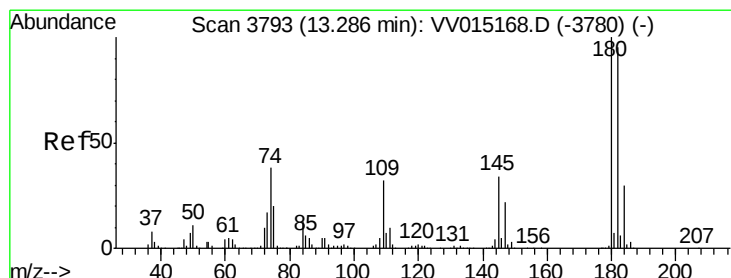
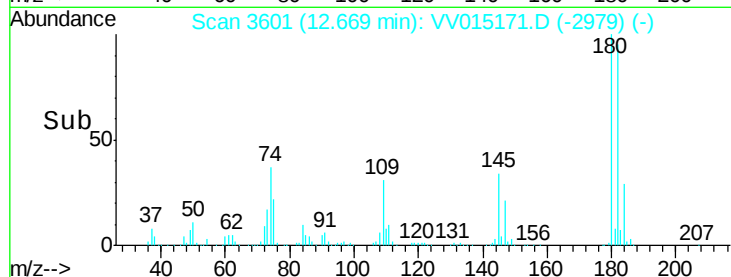
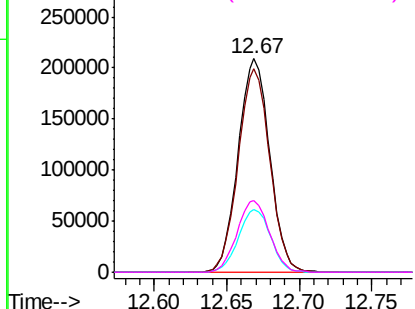
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

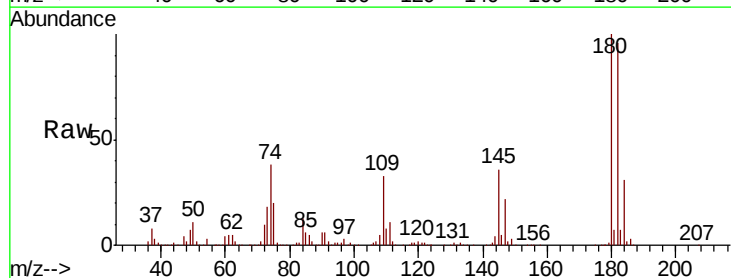
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.475 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015171.D
 Acq: 26 Mar 2020 16:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.2	112.8
145	35.1	27.5	41.3

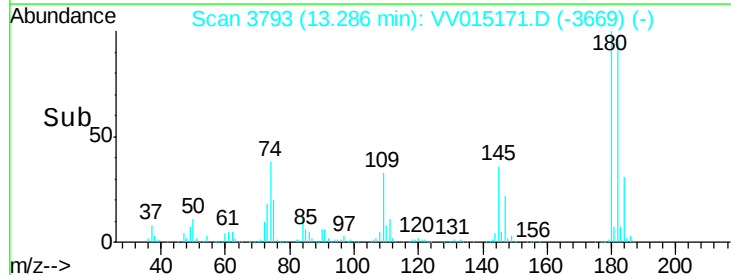
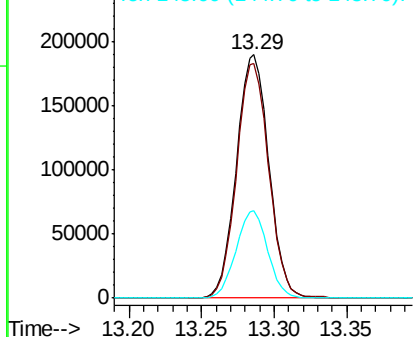


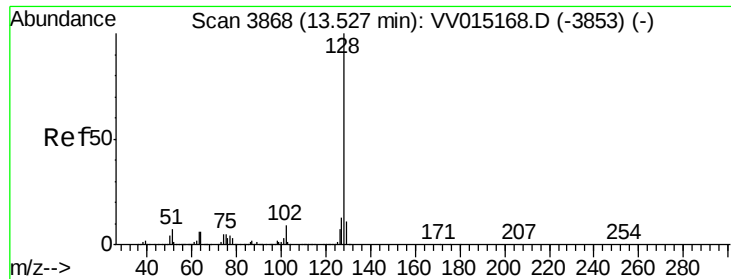
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.460 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

Instrument :

MSVOA_V

ClientSampled :

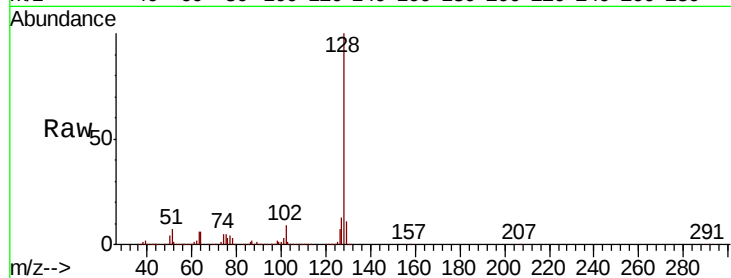
Tot Ion:128 Resp: 1232238

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

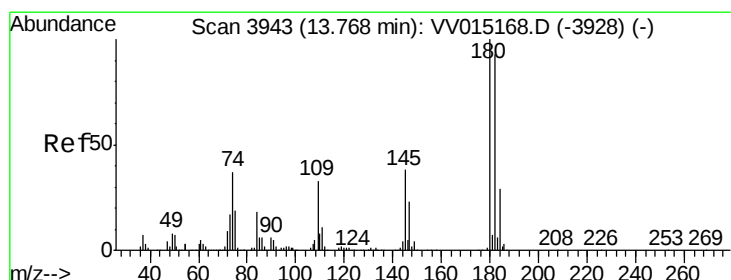
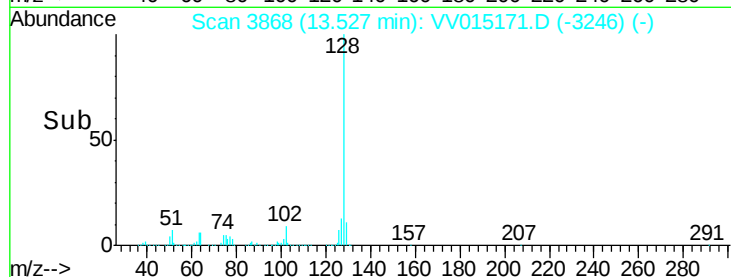
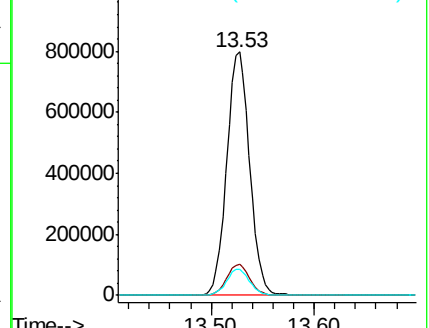
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.400 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015171.D

Acq: 26 Mar 2020 16:01

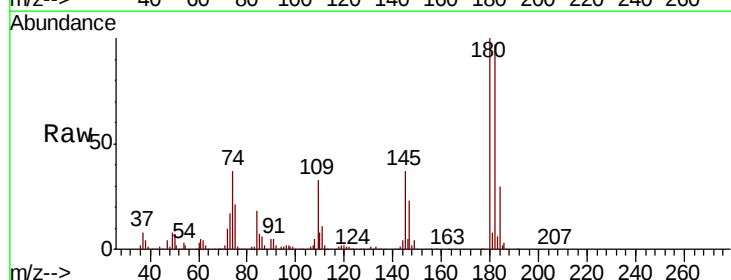
Tgt Ion:180 Resp: 301508

Ion Ratio Lower Upper

180 100

182 96.6 74.6 112.0

145 37.6 29.9 44.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

