

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015172.D
 Acq On : 26 Mar 2020 17:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 03:05:49 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	706236	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	696064	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	336380	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	171606	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.58	69	170663	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.36%
11) 1,1-Dichloroethene-d2	2.12	63	402095	46.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.08%
21) 2-Butanone-d5	3.94	46	366025	97.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.02%
24) Chloroform-d	4.38	84	386830	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	5.06	65	253597	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
32) Benzene-d6	5.07	84	657733	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.88%
36) 1,2-Dichloropropane-d6	6.09	67	238044	46.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.18%
41) Toluene-d8	7.34	98	599355	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%
43) trans-1,3-Dichloropropene-	7.64	79	130945	46.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.10%
47) 2-Hexanone-d5	8.11	63	279613	92.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.59%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	404671	46.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	289793	46.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	295204	47.372	ug/L 100
3) Chloromethane	1.25	50	309916	45.796	ug/L 100
5) Vinyl chloride	1.32	62	318660	45.969	ug/L 99
6) Bromomethane	1.53	94	206237	46.100	ug/L 99
8) Chloroethane	1.60	64	200684	44.276	ug/L 97
9) Trichlorofluoromethane	1.76	101	519813	45.443	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	282654	48.858	ug/L 99
12) 1,1-Dichloroethene	2.13	96	268705	47.175	ug/L 95
13) Acetone	2.46	43	217425	83.326	ug/L 100
14) Carbon disulfide	2.31	76	666148	45.606	ug/L 99
15) Methyl Acetate	2.46	43	239059	44.254	ug/L 98
16) Methylene chloride	2.52	84	240941	45.316	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	225707	45.596	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	760538	45.586	ug/L 100
19) 1,1-Dichloroethane	3.21	63	415040	45.391	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	250887	45.499	ug/L # 96
22) 2-Butanone	4.02	43	376944	91.824	ug/L 100

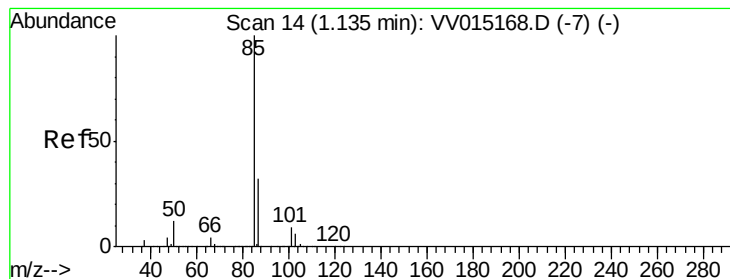
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
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 Quant Title : VOC Analysis
 QLast Update : Thu Mar 26 19:04:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	121564	45.569	uq/L	96
25) Chloroform	4.40	83	431702	45.829	uq/L	98
27) 1,2-Dichloroethane	5.16	62	335466	44.920	uq/L	100
29) Cyclohexane	4.70	56	395110	46.379	uq/L	100
30) 1,1,1-Trichloroethane	4.63	97	399964	45.375	uq/L	99
31) Carbon tetrachloride	4.85	117	344344	46.475	uq/L	100
33) Benzene	5.13	78	947690	45.732	uq/L	100
34) Trichloroethene	5.94	95	254293	47.106	uq/L	98
35) Methylcyclohexane	6.15	83	431817	48.135	uq/L	99
37) 1,2-Dichloropropane	6.20	63	239603	45.222	uq/L	100
38) Bromodichloromethane	6.53	83	341747	45.513	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	413871	46.733	uq/L	99
40) 4-Methyl-2-pentanone	7.25	43	729993	91.363	uq/L	99
42) Toluene	7.41	91	1074986	46.498	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	396679	45.877	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	239614	46.199	uq/L	100
46) Tetrachloroethene	8.00	164	176307	48.599	uq/L	97
48) 2-Hexanone	8.16	43	588936	93.342	uq/L	99
49) Dibromochloromethane	8.27	129	267489	46.808	uq/L	99
50) 1,2-Dibromoethane	8.37	107	259241	45.919	uq/L	97
51) Chlorobenzene	8.90	112	688102	46.597	uq/L	98
52) Ethylbenzene	9.03	91	1225157	47.036	uq/L	99
53) m,p-Xylene	9.16	106	478054	48.107	uq/L	99
54) o-xylene	9.57	106	473144	47.404	uq/L	99
55) Styrene	9.58	104	803723	47.594	uq/L	99
56) Isopropylbenzene	9.95	105	1235800	48.226	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	399771	45.727	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	326370	46.369	uq/L	99
61) Bromoform	9.75	173	175337	45.243	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	528767	46.883	uq/L	99
63) 1,4-Dichlorobenzene	11.30	146	531175	46.622	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	521055	45.567	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	112086	44.119	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	348142	48.240	uq/L	100
68) 1,2,4-trichlorobenzene	13.29	180	325648	47.307	uq/L	100
69) Naphthalene	13.53	128	1274171	46.222	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	329578	47.815	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.372 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

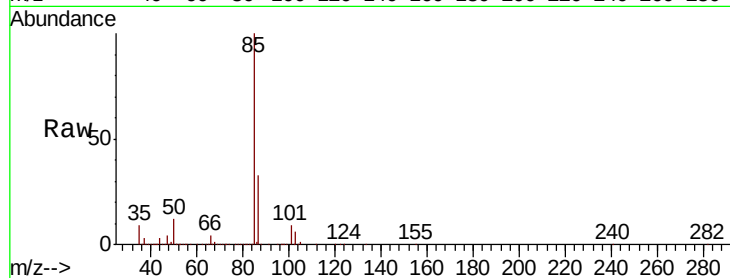
ClientSampleId :

Tot Ion: 85 Resp: 295204

Ion Ratio Lower Upper

85 100

87 32.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV015172.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015172.D (-1) (-)

1.14

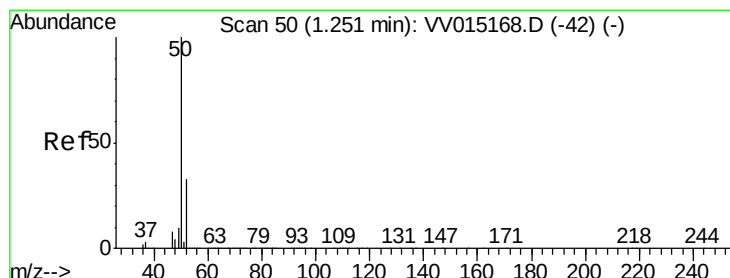
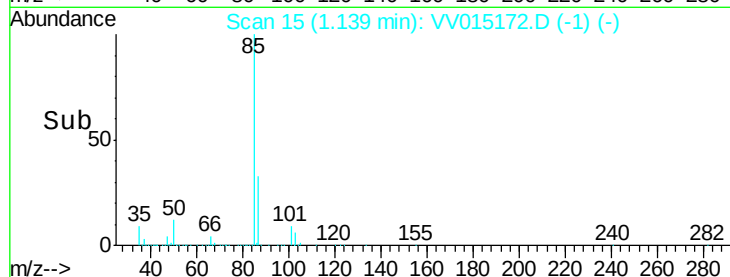
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 45.796 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015172.D

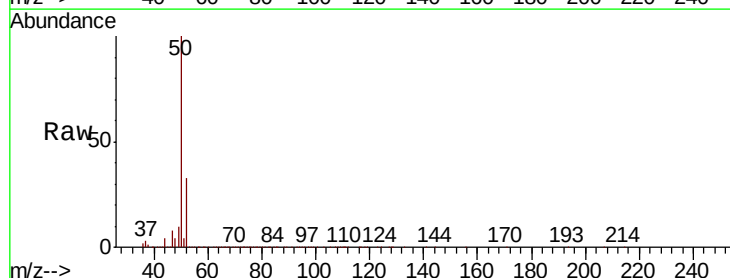
Acq: 26 Mar 2020 17:33

Tgt Ion: 50 Resp: 309916

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV015172.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV015172.D (-1) (-)

1.25

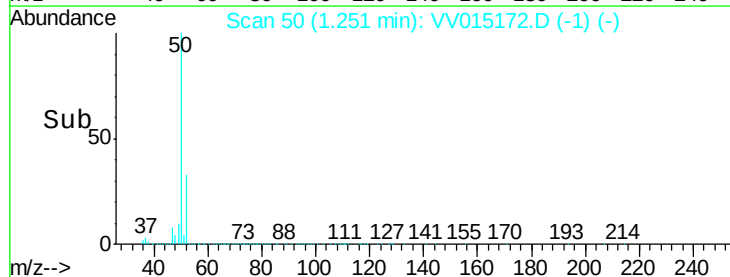
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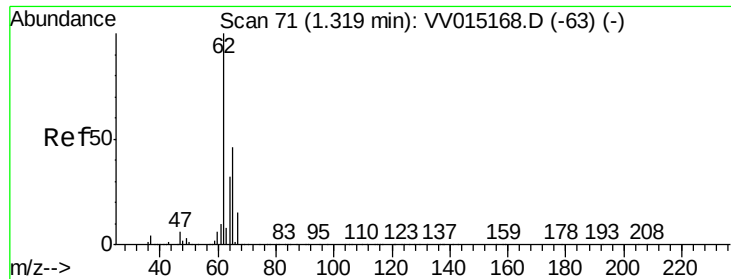
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 45.969 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

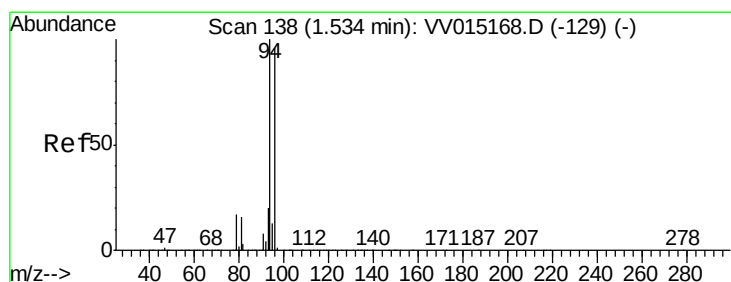
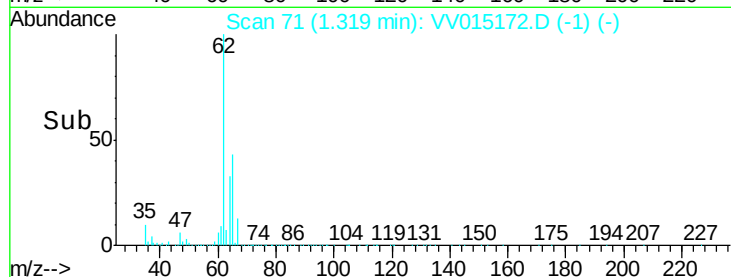
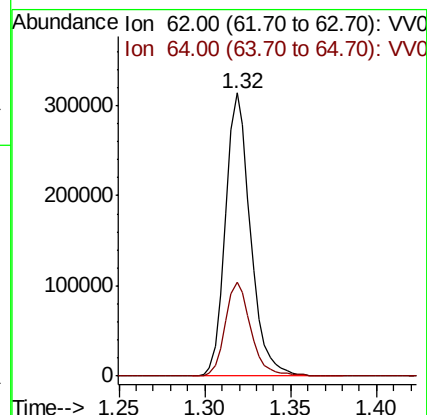
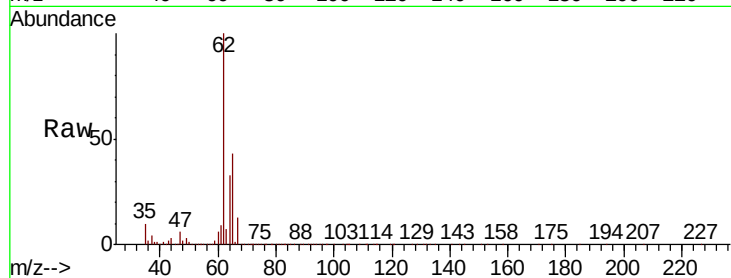
ClientSampleId :

Tot Ion: 62 Resp: 318660

Ion Ratio Lower Upper

62 100

64 33.2 22.8 42.4



#6

Bromomethane

Concen: 46.100 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015172.D

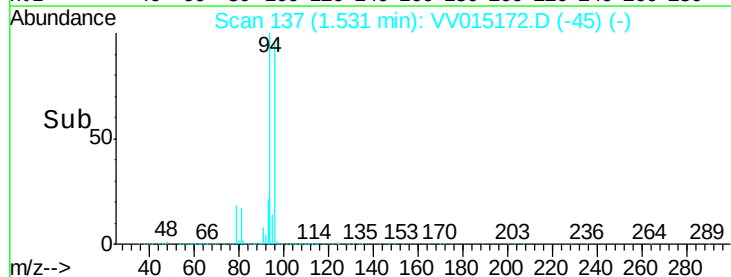
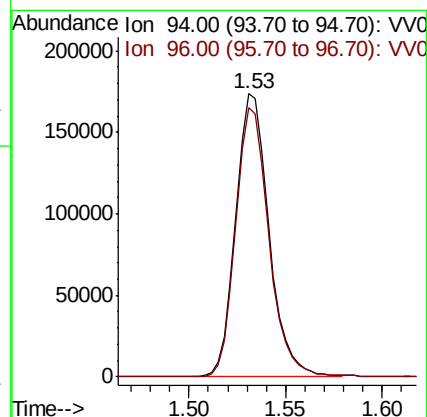
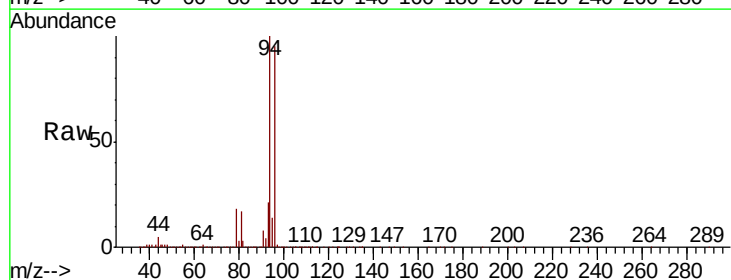
Acq: 26 Mar 2020 17:33

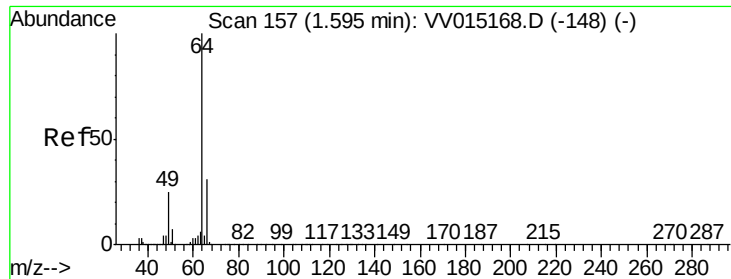
Tgt Ion: 94 Resp: 206237

Ion Ratio Lower Upper

94 100

96 95.4 67.1 124.7

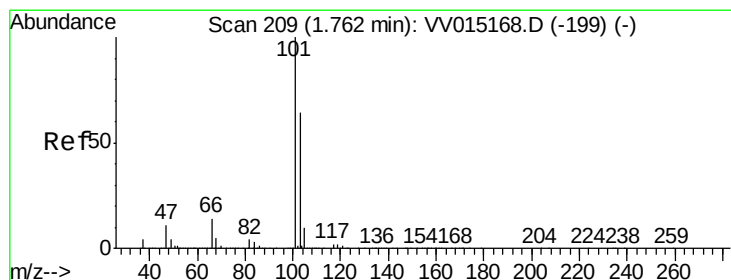
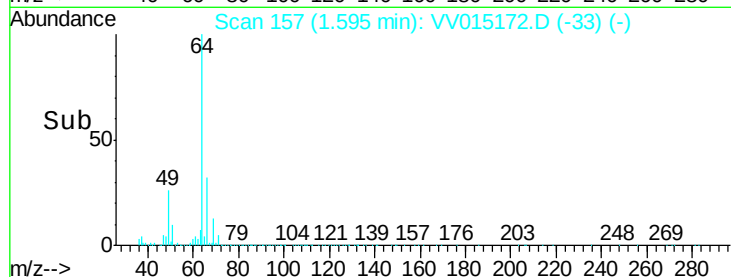
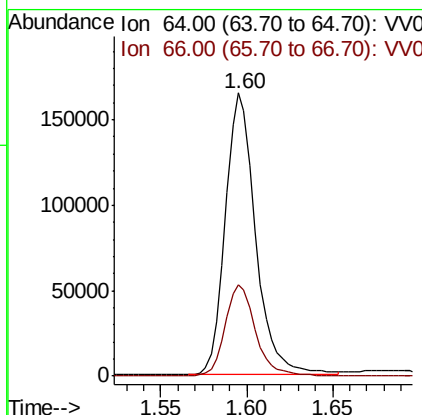
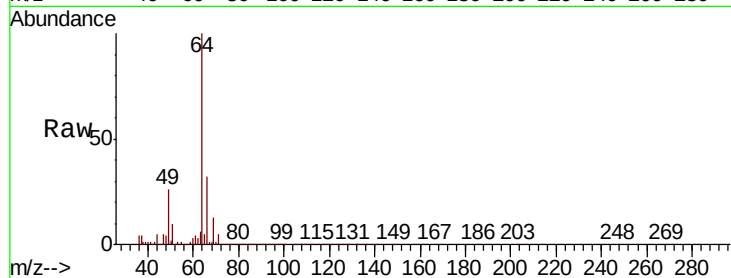




#8
Chloroethane
Concen: 44.276 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

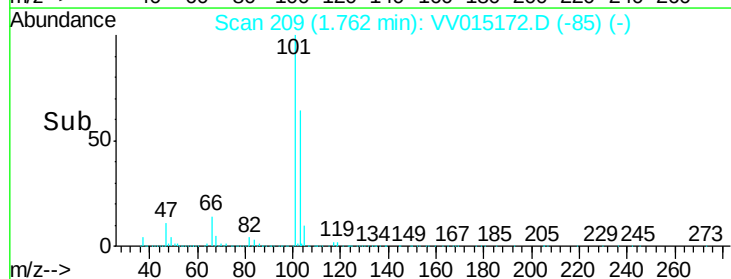
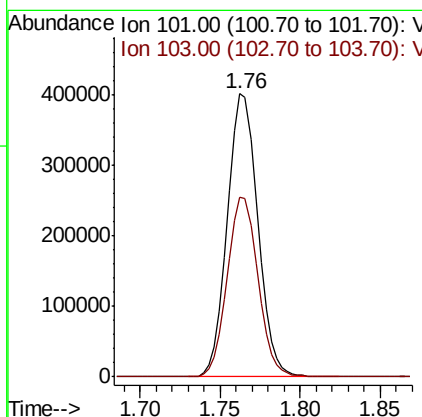
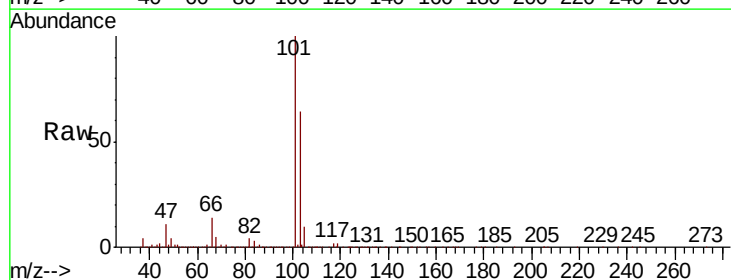
Instrument :
MSVOA_V
ClientSampleId :

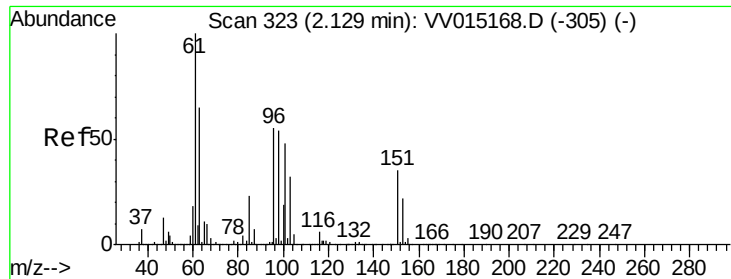
Tot Ion: 64 Resp: 200684
Ion Ratio Lower Upper
64 100
66 32.4 21.6 40.2



#9
Trichlorofluoromethane
Concen: 45.443 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Tgt Ion: 101 Resp: 519813
Ion Ratio Lower Upper
101 100
103 63.8 50.8 76.2





#10

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

Concen: 48.858 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

ClientSampled :

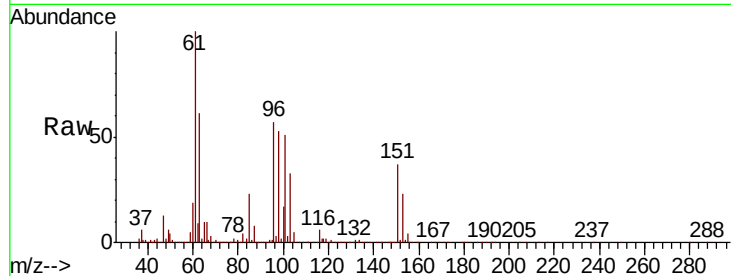
Tot Ion:101 Resp: 282654

Ion Ratio Lower Upper

101 100

85 45.7 37.1 55.7

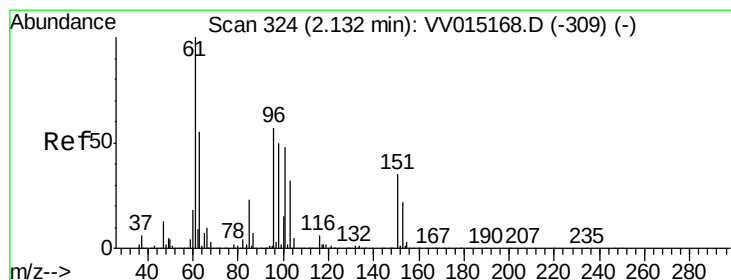
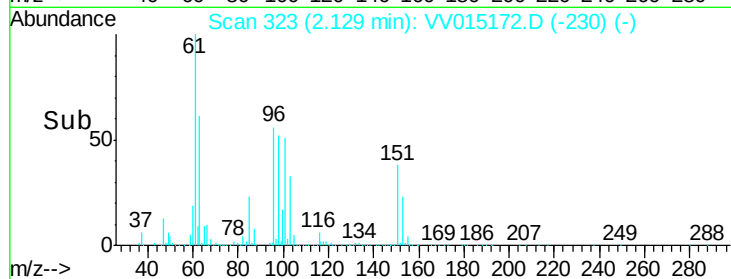
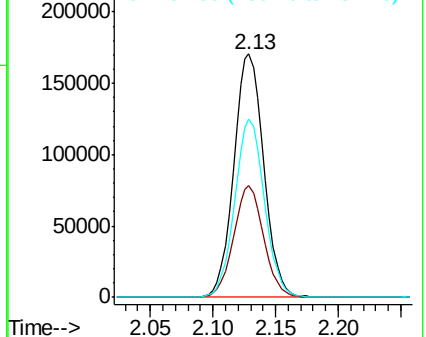
151 72.7 57.7 86.5



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: 47.175 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

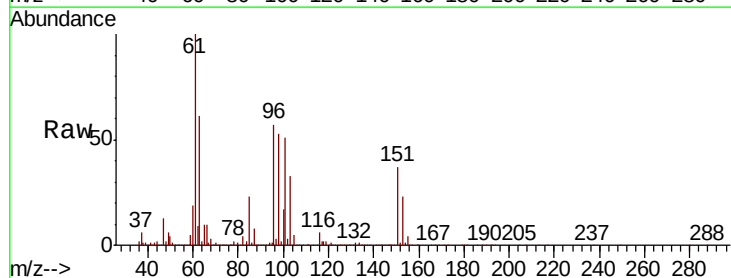
Tgt Ion: 96 Resp: 268705

Ion Ratio Lower Upper

96 100

61 176.8 122.3 227.1

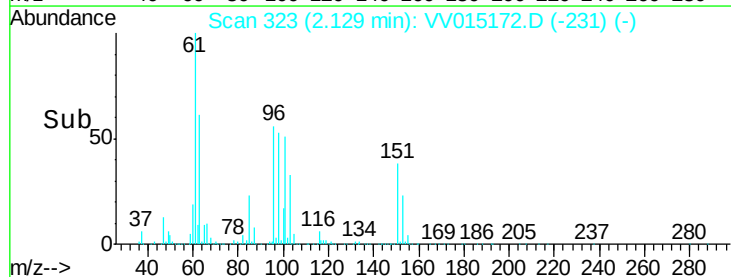
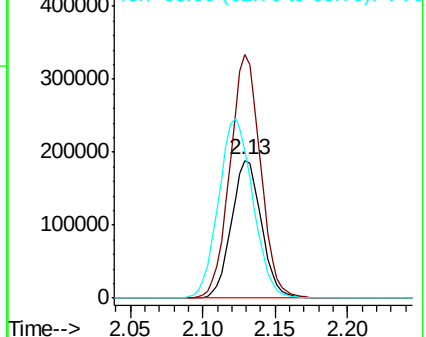
63 107.4 67.9 126.1

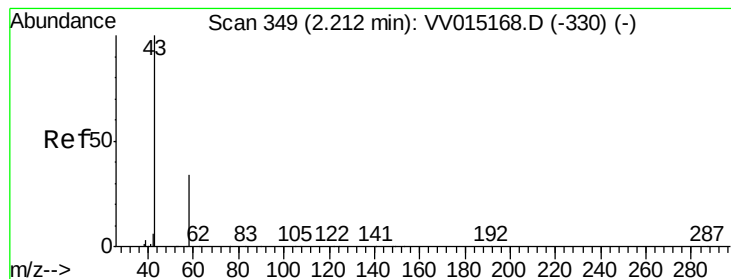


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 83.326 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.25 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

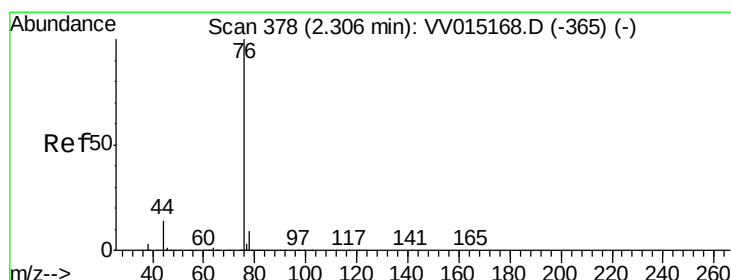
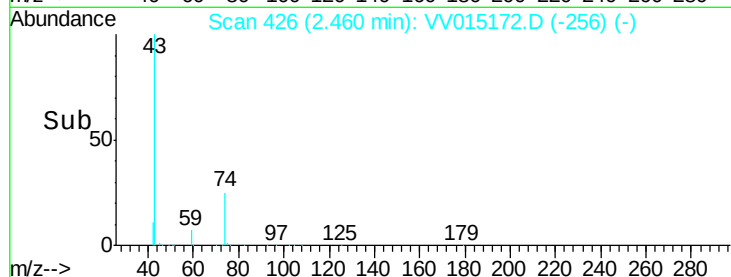
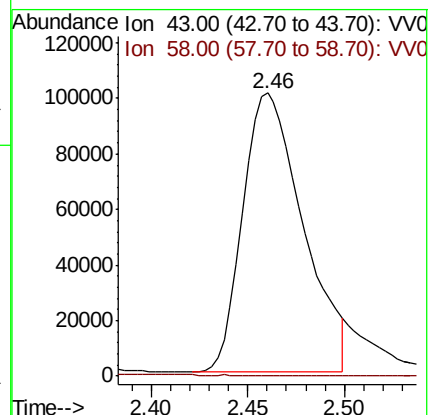
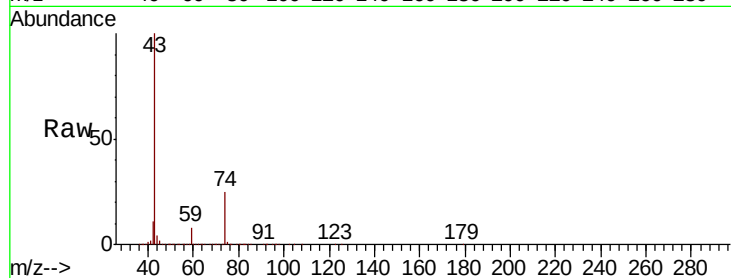
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 217425

Ion Ratio Lower Upper

43 100

58 0.0 0.0 0.2



#14

Carbon disulfide

Concen: 45.606 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015172.D

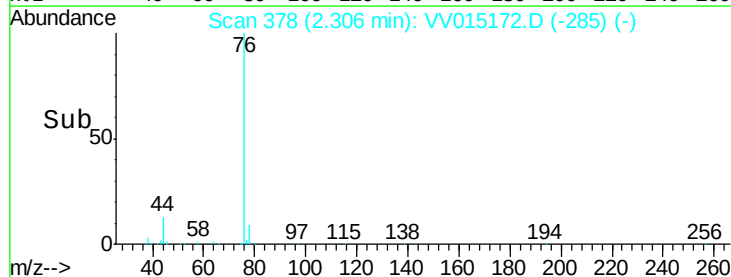
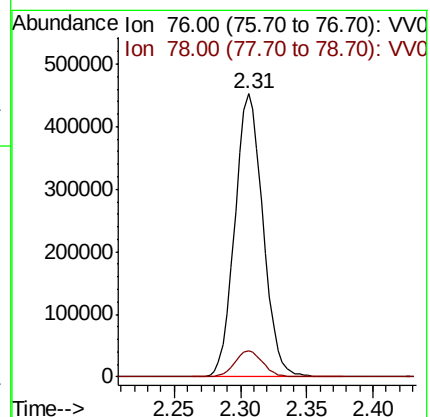
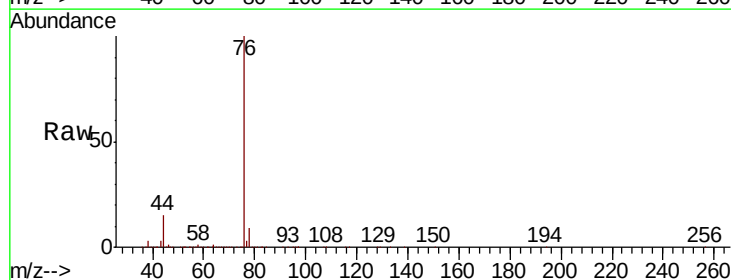
Acq: 26 Mar 2020 17:33

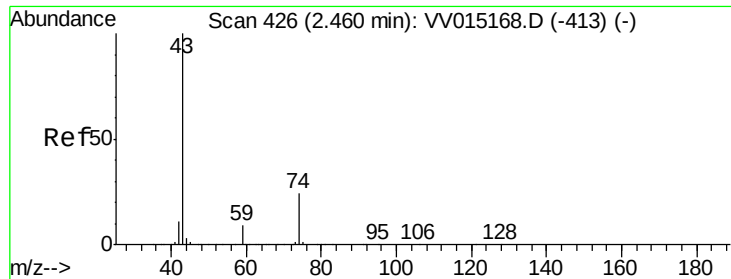
Tgt Ion: 76 Resp: 666148

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

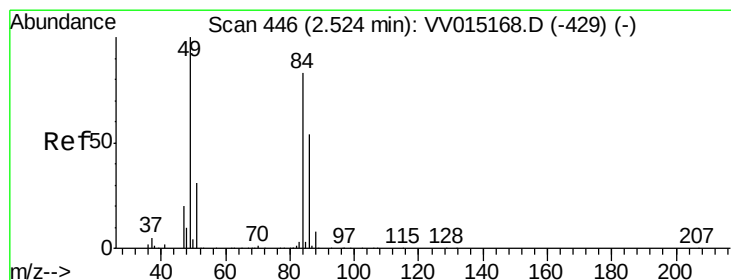
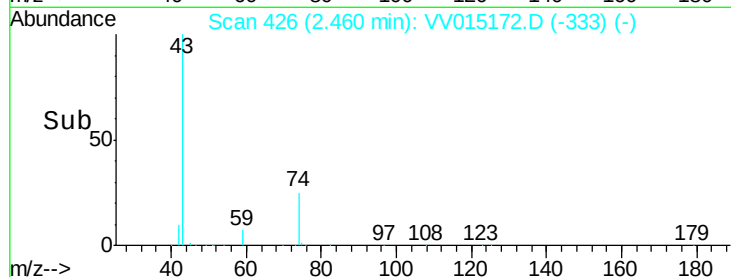
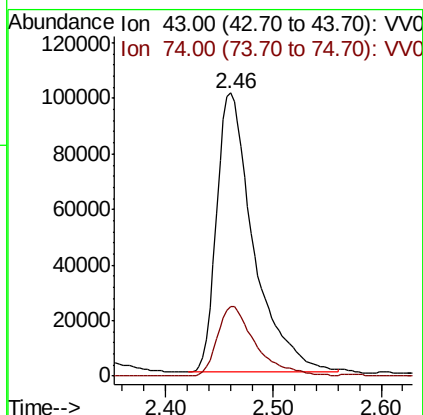
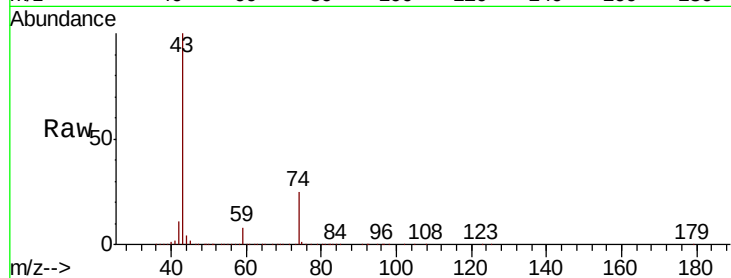




#15
Methvl Acetate
Concen: 44.254 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

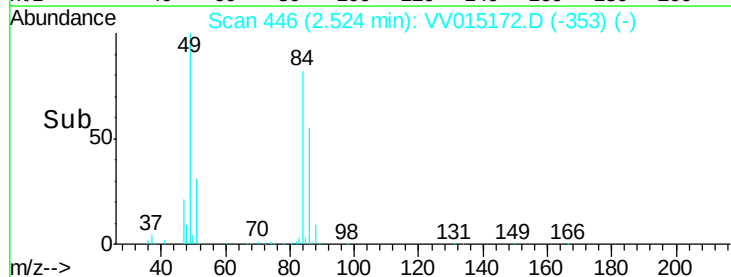
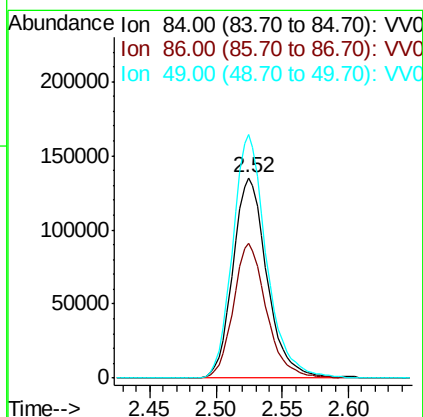
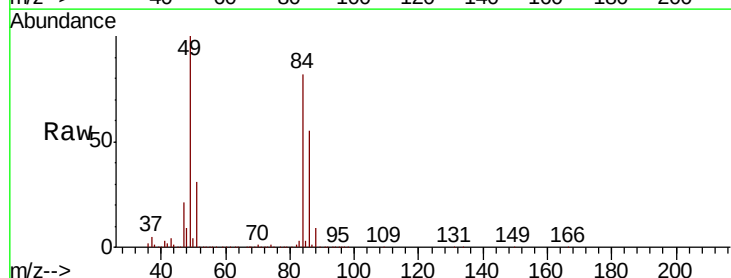
Instrument :
MSVOA_V
ClientSampleId :

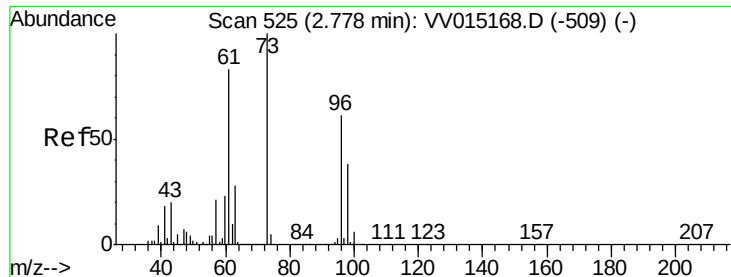
Tot Ion: 43 Resp: 239059
Ion Ratio Lower Upper
43 100
74 26.1 20.0 30.0



#16
Methylene chloride
Concen: 45.316 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Tgt Ion: 84 Resp: 240941
Ion Ratio Lower Upper
84 100
86 67.3 45.1 83.9
49 121.7 84.2 156.4





#17

trans-1,2-Dichloroethene

Concen: 45.596 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

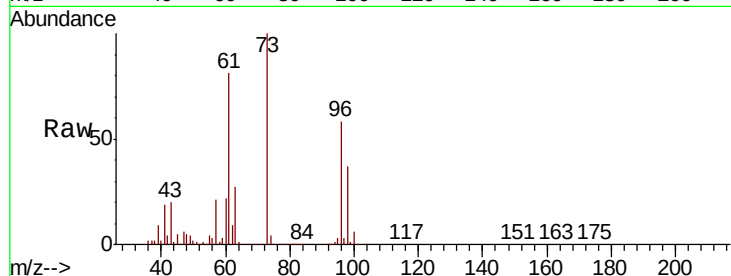
Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 225707

Ion	Ratio	Lower	Upper
96	100		
61	139.9	96.4	179.0
98	63.4	43.8	81.4

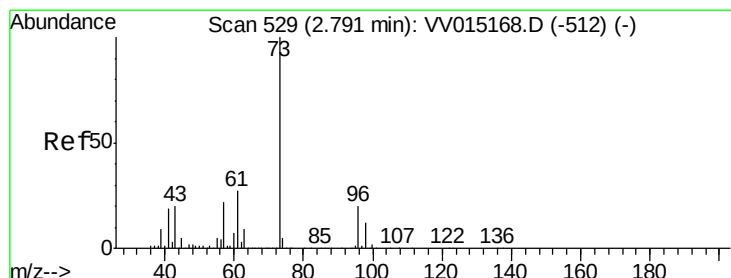
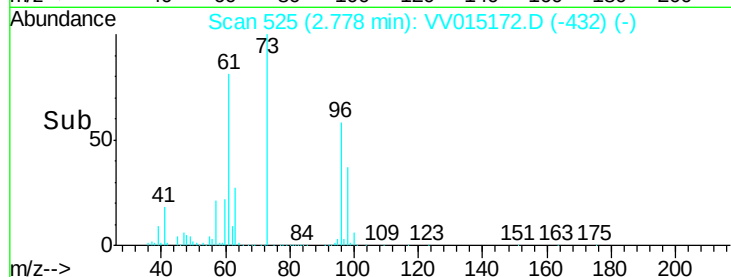
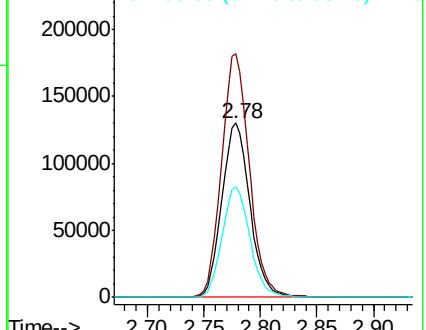


Abundance

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: 45.586 ug/L

RT: 2.79 min Scan# 529

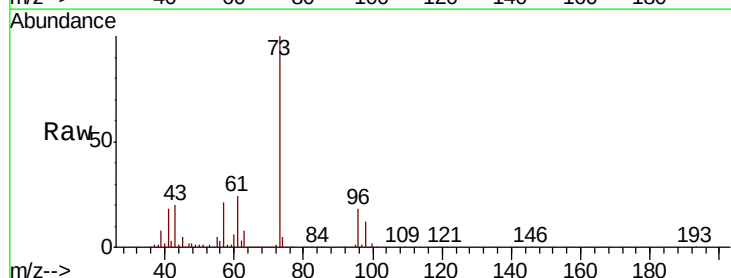
Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Tgt Ion: 73 Resp: 760538

Ion	Ratio	Lower	Upper
73	100		
43	19.7	15.8	23.6
57	21.2	17.1	25.7

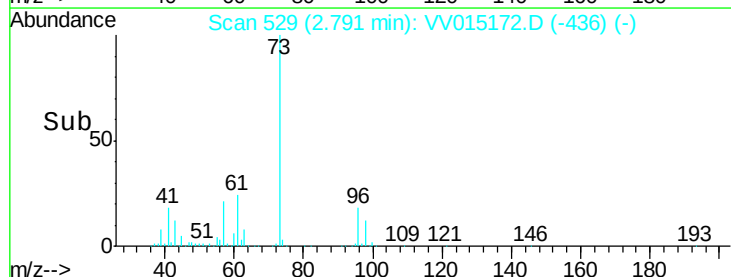
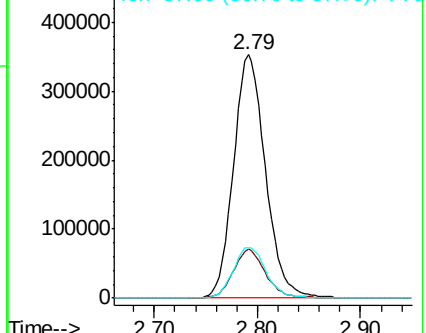


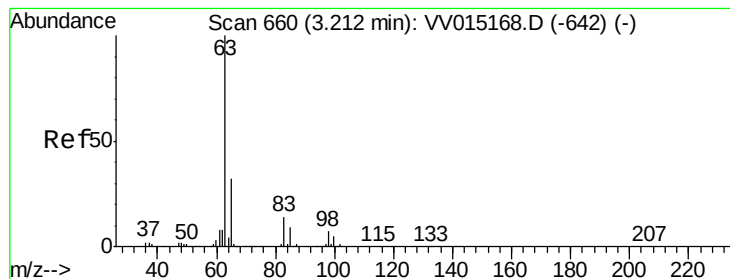
Abundance

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: 45.391 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

ClientSampled :

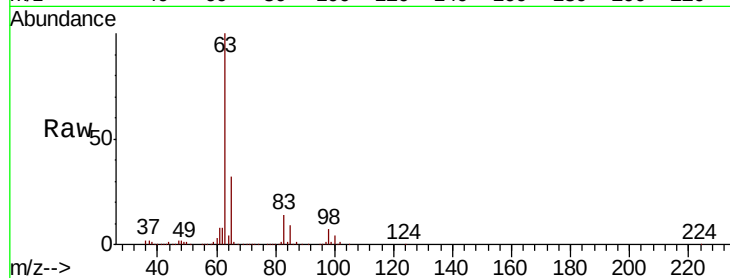
Tot Ion: 63 Resp: 415040

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

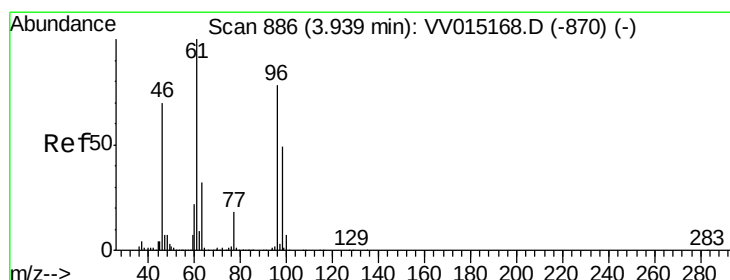
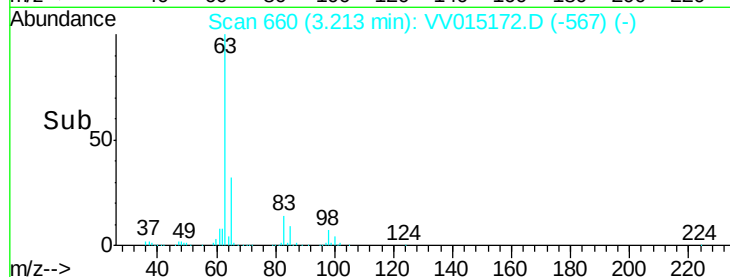
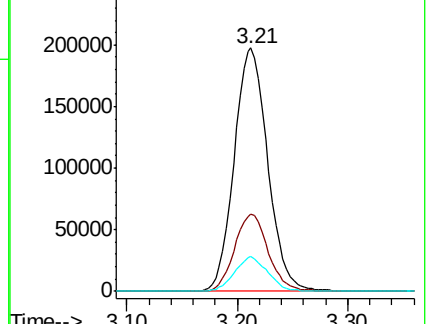
83 14.1 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 45.499 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

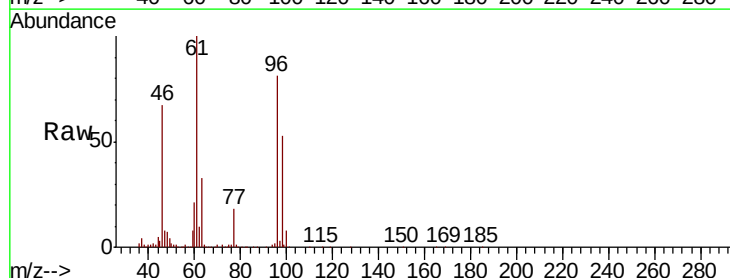
Tgt Ion: 96 Resp: 250887

Ion Ratio Lower Upper

96 100

61 124.1 90.2 167.4

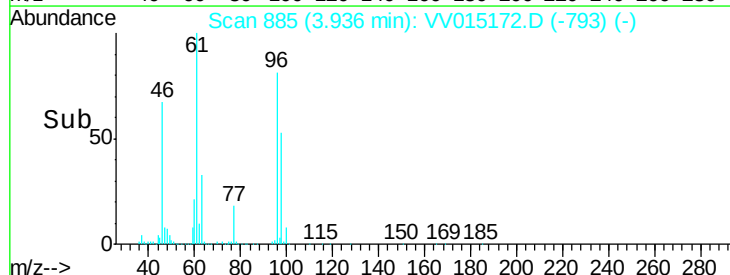
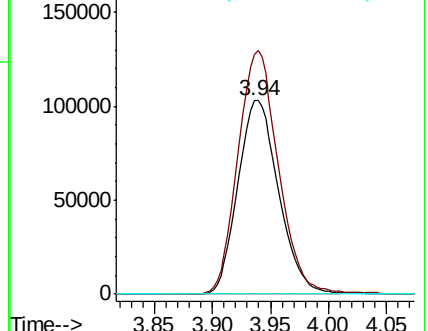
68 0.0 0.1 0.3#

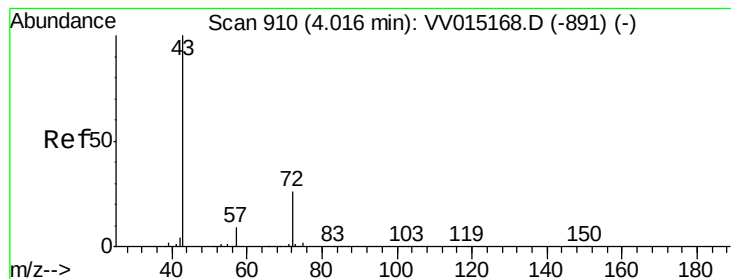


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 91.824 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

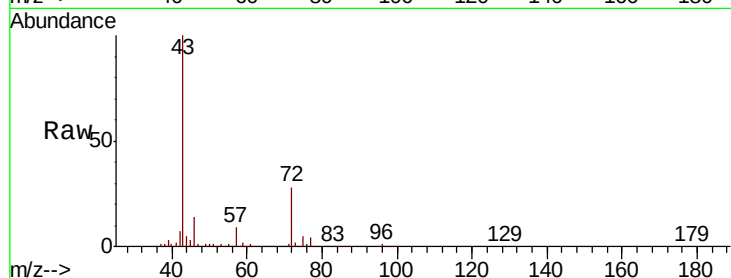
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 376944

Ion Ratio Lower Upper

43 100

72 25.7 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV015172.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV015172.D (-817) (-)

4.02

100000

80000

60000

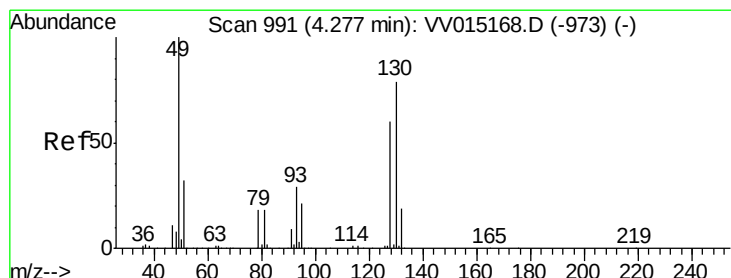
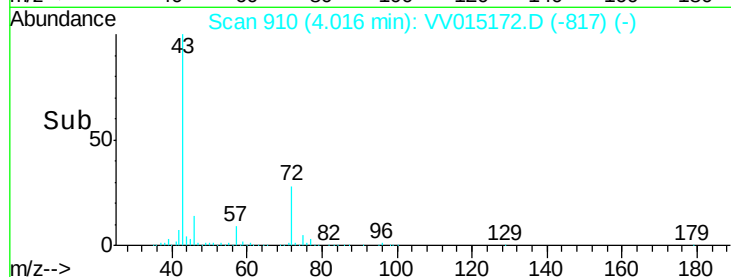
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 45.569 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Tgt Ion:128 Resp: 121564

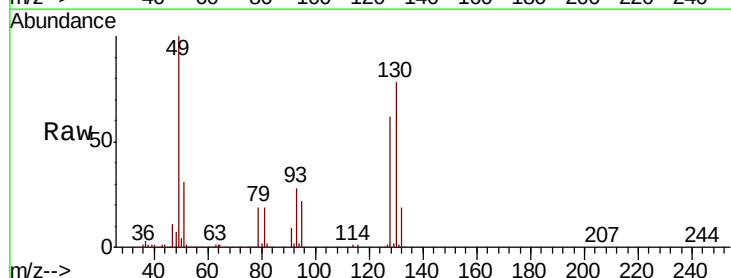
Ion Ratio Lower Upper

128 100

49 161.7 116.5 216.3

130 126.1 91.4 169.8

51 50.6 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): VV015172.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV015172.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV015172.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV015172.D (-898) (-)

4.28

120000

100000

80000

60000

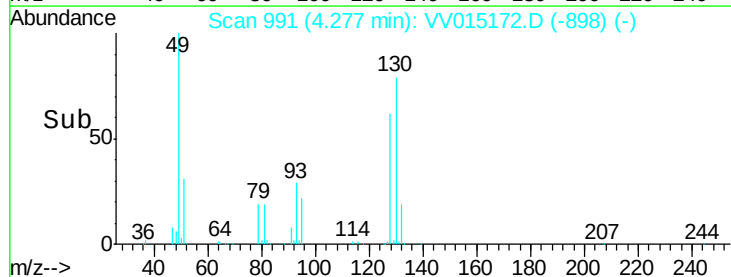
40000

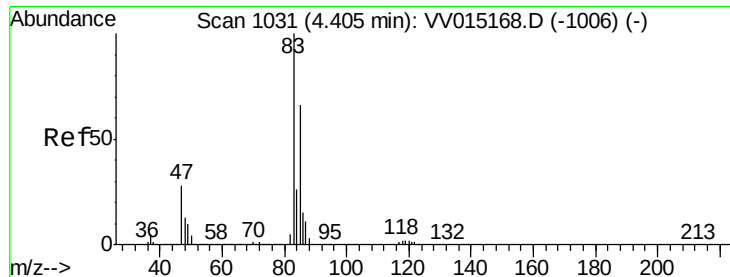
20000

0

Time-->

4.20 4.25 4.30 4.35

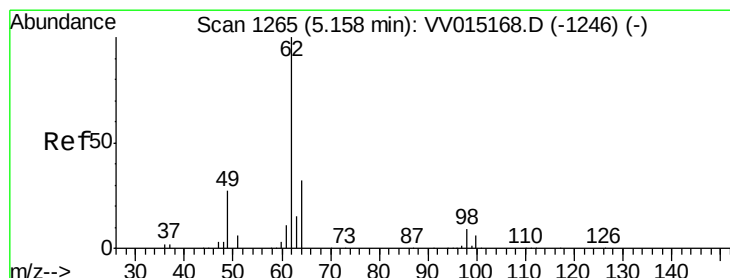
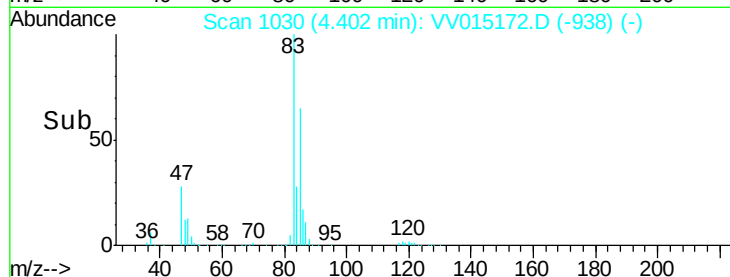
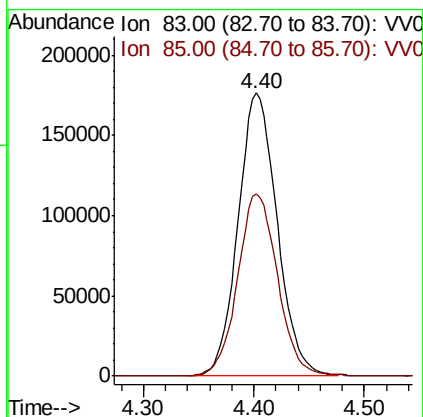
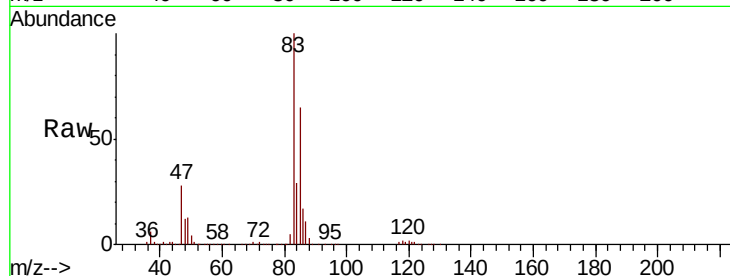




#25
Chloroform
Concen: 45.829 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

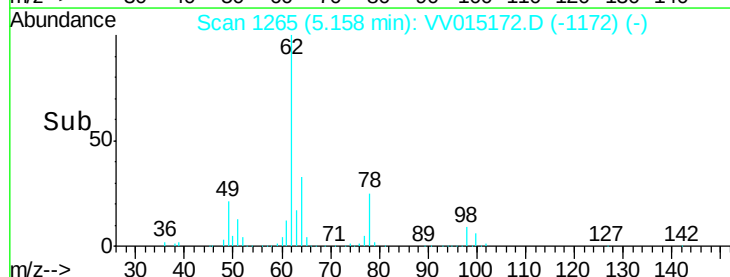
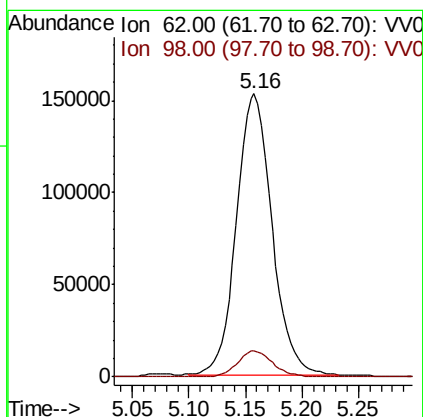
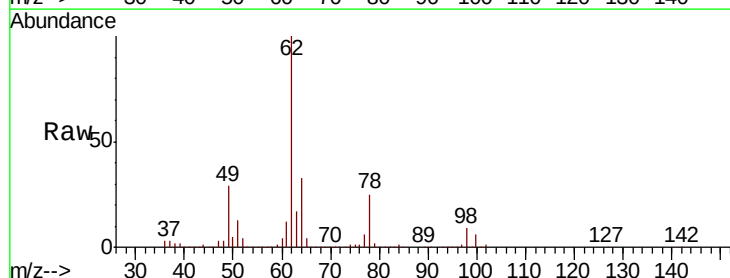
Instrument :
MSVOA_V
ClientSampleId :

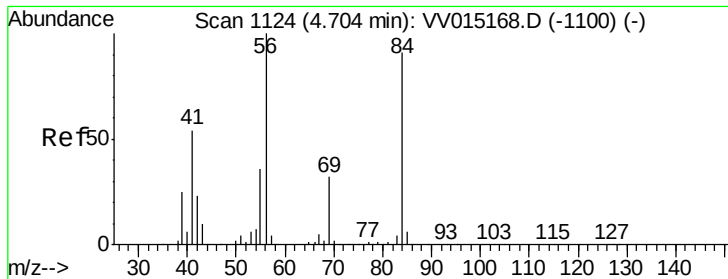
Tot Ion: 83 Resp: 431702
Ion Ratio Lower Upper
83 100
85 64.6 46.2 85.8



#27
1,2-Dichloroethane
Concen: 44.920 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Tgt Ion: 62 Resp: 335466
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

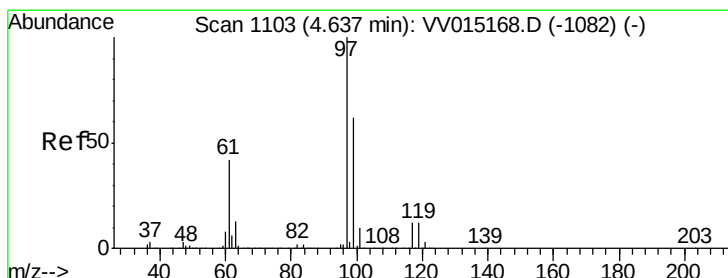
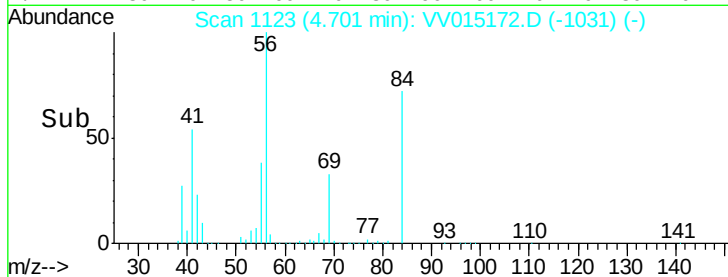
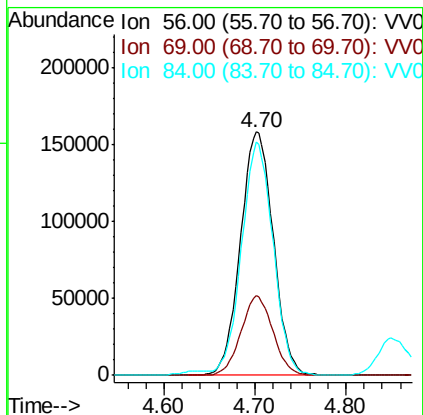
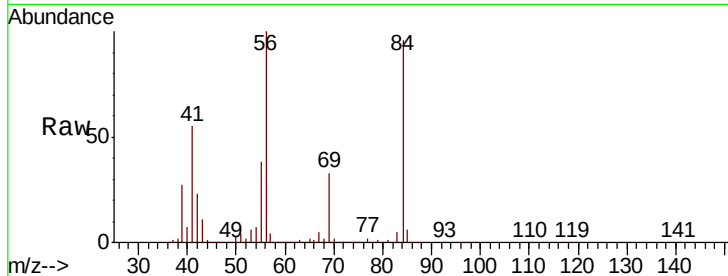




#29
Cyclohexane
Concen: 46.379 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

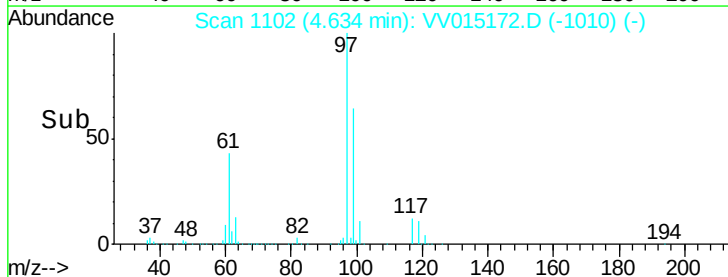
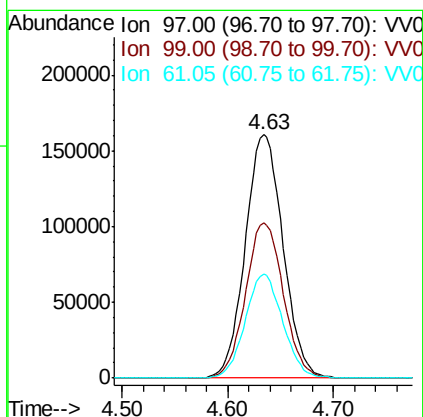
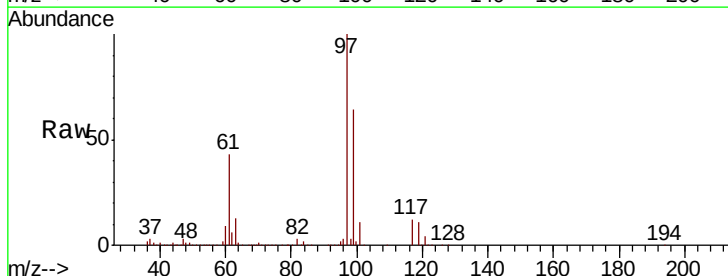
Instrument :
MSVOA_V
ClientSampleId :

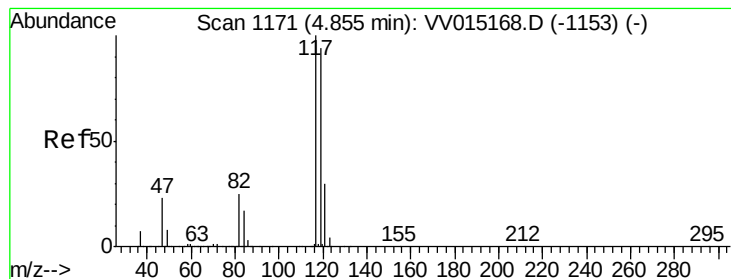
Tot Ion: 56 Resp: 395110
Ion Ratio Lower Upper
56 100
69 31.9 25.5 38.3
84 92.1 73.3 109.9



#30
1,1,1-Trichloroethane
Concen: 45.375 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Tgt Ion: 97 Resp: 399964
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 42.7 33.8 50.6





#31

Carbon tetrachloride

Concen: 46.475 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

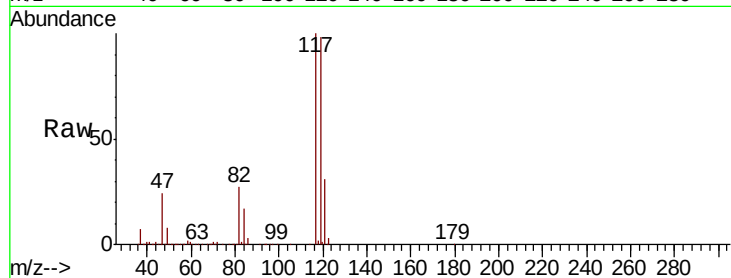
ClientSampleId :

Tot Ion:117 Resp: 344344

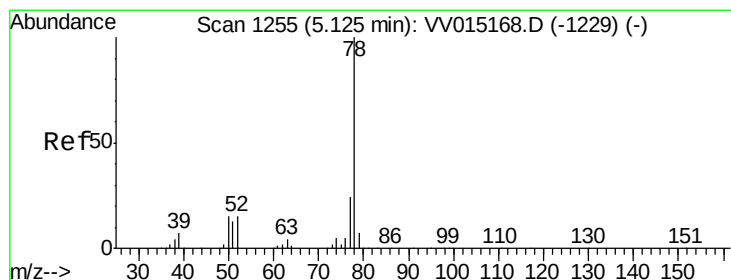
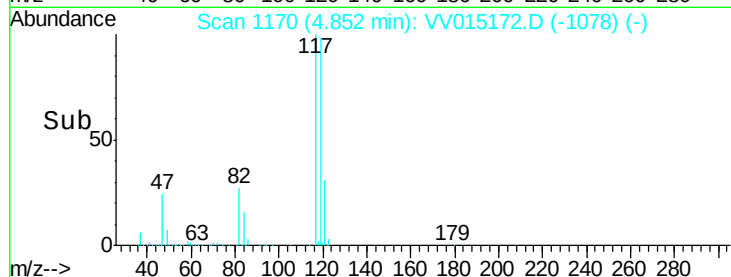
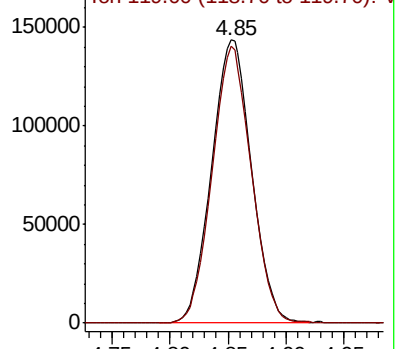
Ion Ratio Lower Upper

117 100

119 95.7 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V



#33

Benzene

Concen: 45.732 ug/L

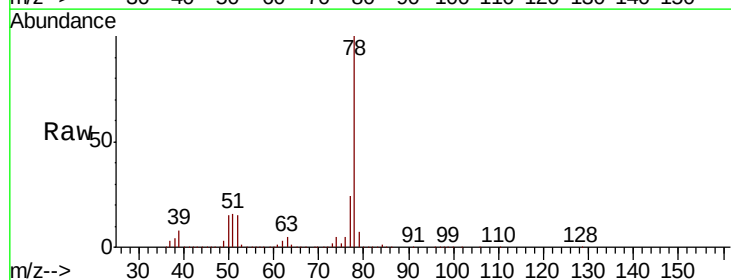
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

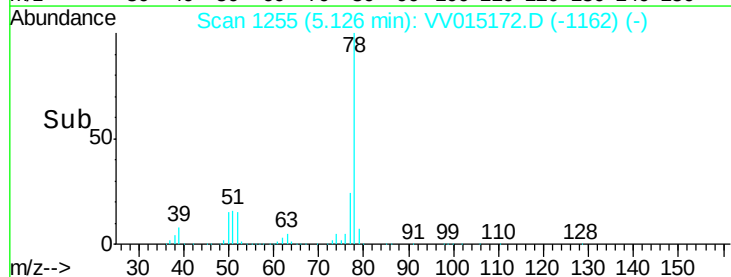
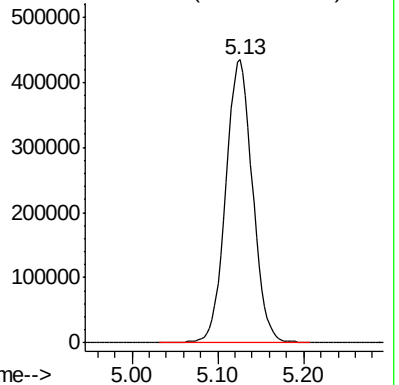
Lab File: VV015172.D

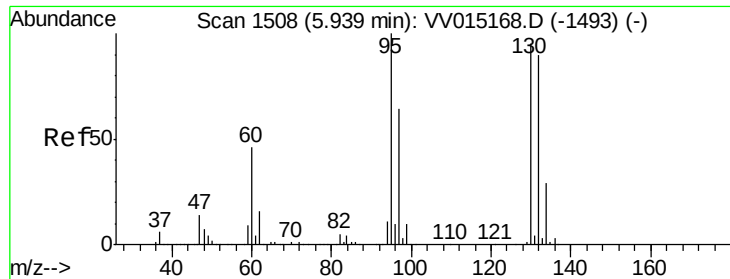
Acq: 26 Mar 2020 17:33

Tgt Ion: 78 Resp: 947690



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 47.106 ug/L

RT: 5.94 min Scan# 1507

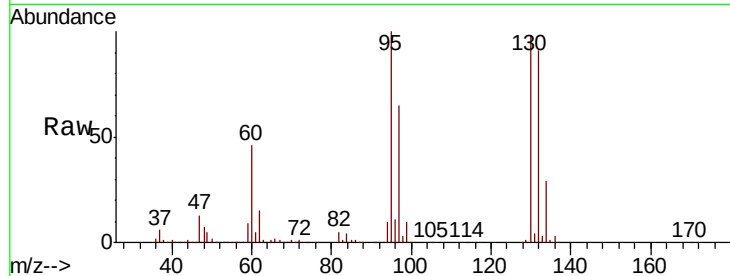
Delta R.T. -0.00 min

Lab File: VV015172.D

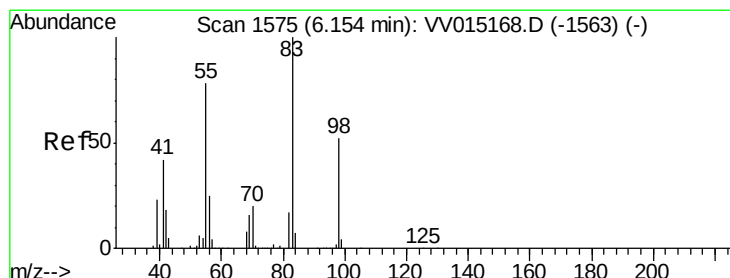
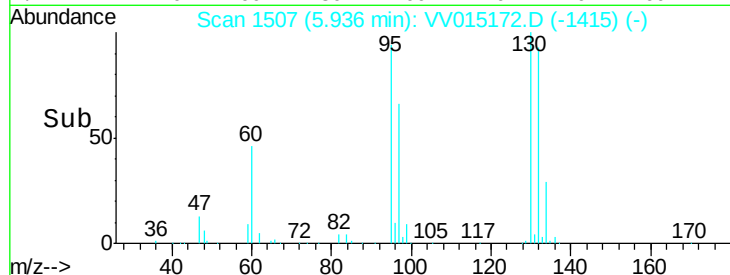
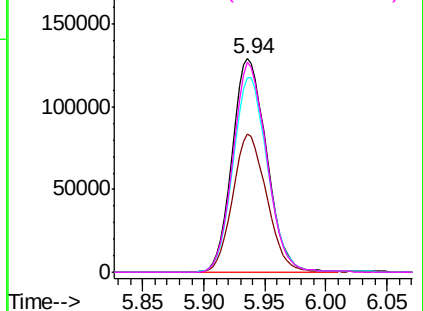
Acq: 26 Mar 2020 17:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	95	Resp:	254293
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.8	83.2
132	91.3	63.2	117.4
130	98.1	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: 48.135 ug/L

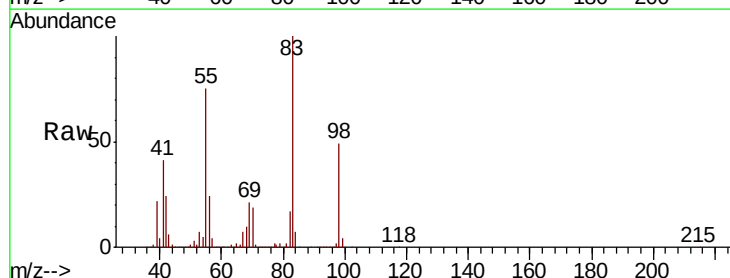
RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

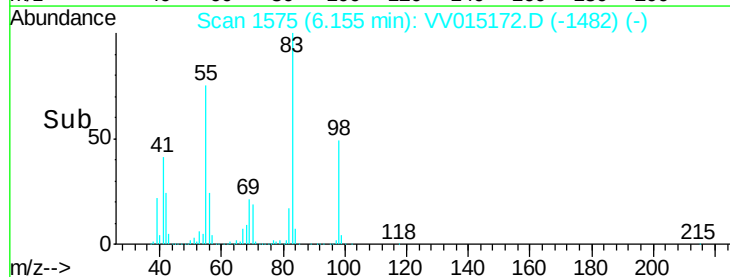
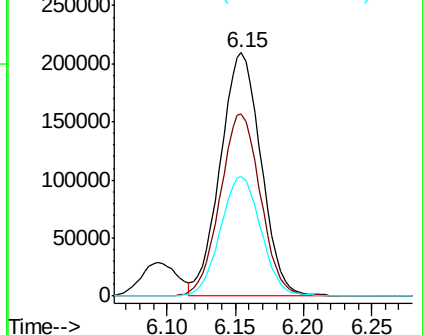
Lab File: VV015172.D

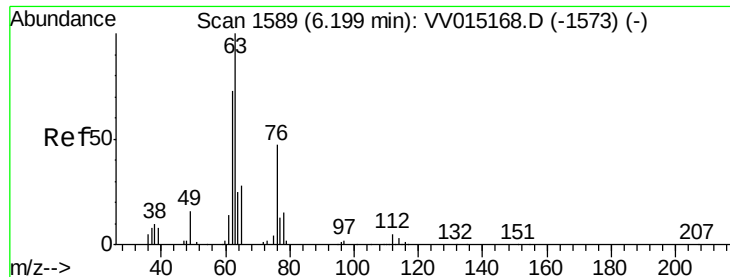
Acq: 26 Mar 2020 17:33

Tgt Ion:	83	Resp:	431817
Ion	Ratio	Lower	Upper
83	100		
55	74.3	58.8	88.2
98	49.5	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

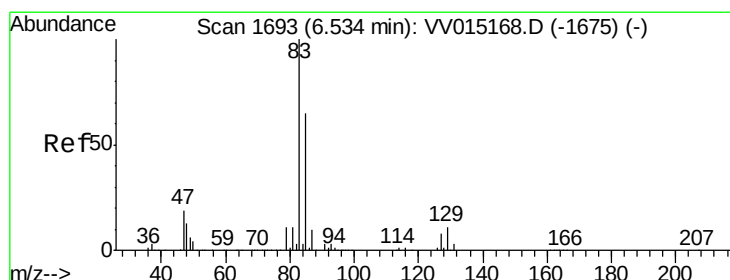
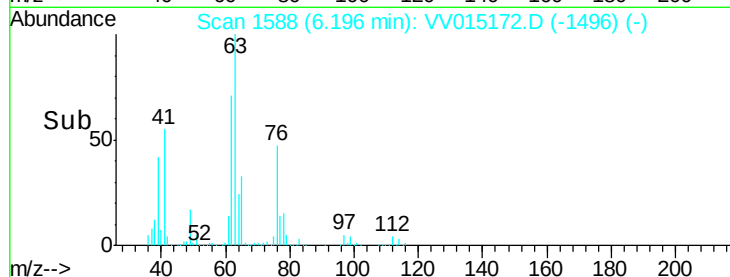
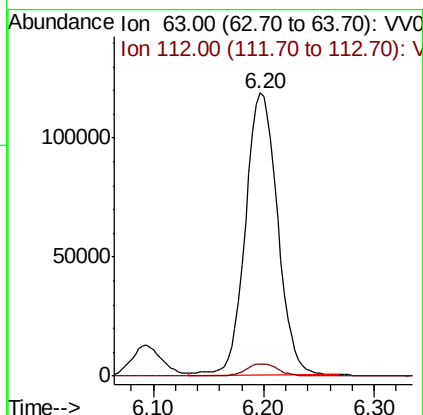
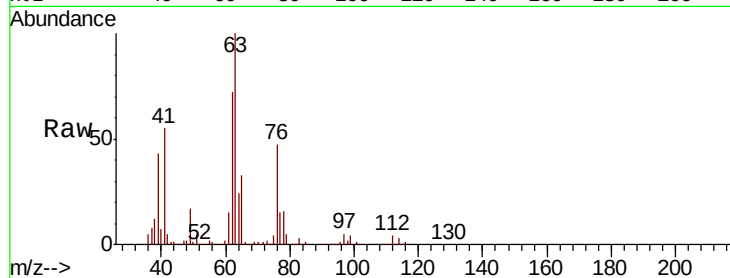




#37
 1,2-Dichloropropane
 Concen: 45.222 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015172.D
 Acq: 26 Mar 2020 17:33

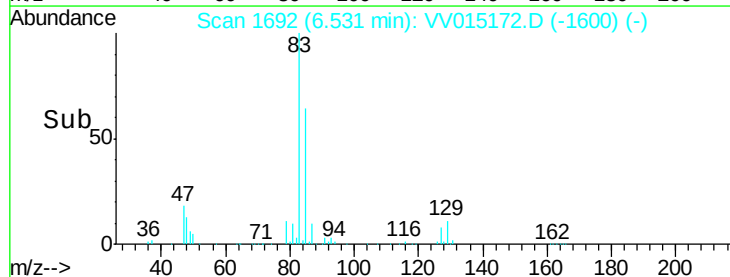
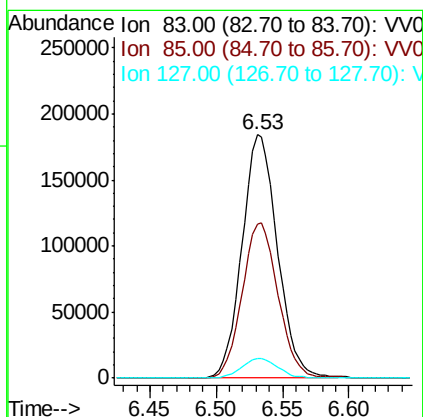
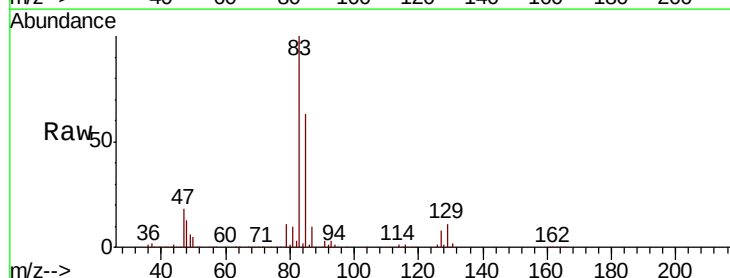
Instrument :
 MSVOA_V
 ClientSampled :

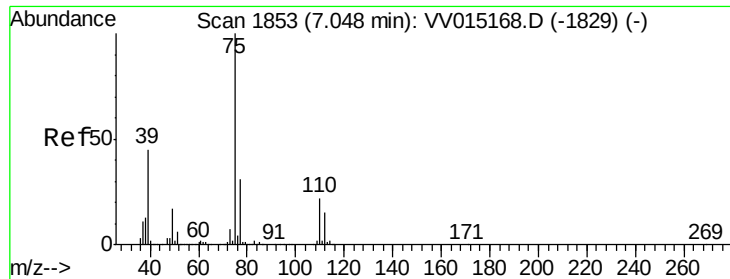
Tot Ion: 63 Resp: 239603
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 45.513 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015172.D
 Acq: 26 Mar 2020 17:33

Tgt Ion: 83 Resp: 341747
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.3 84.1
 127 8.0 6.6 10.0



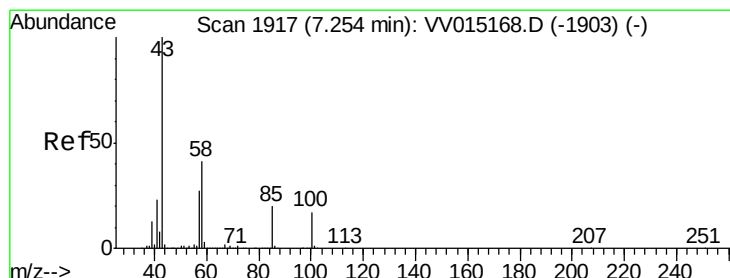
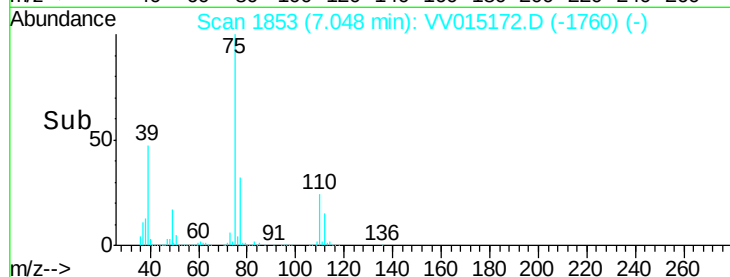
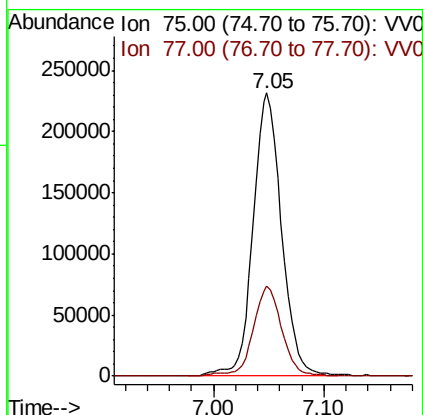
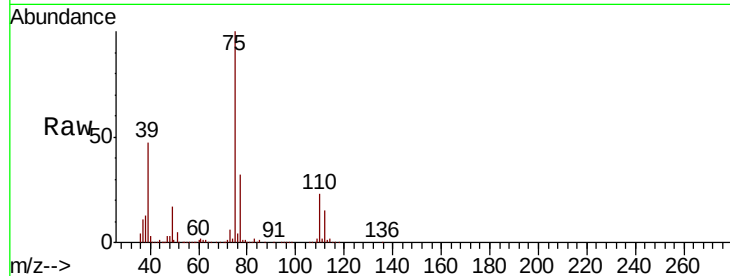


#39

cis-1,3-Dichloropropene
Concen: 46.733 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Instrument :
MSVOA_V
ClientSampled :

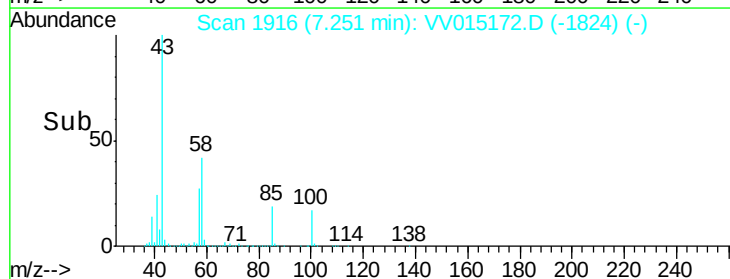
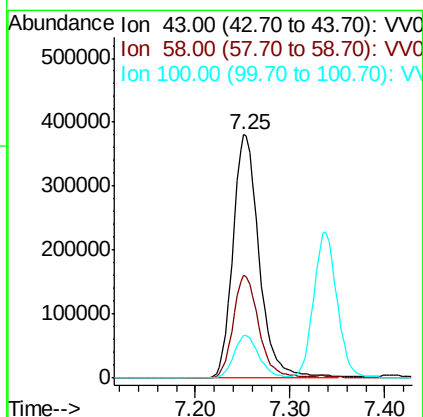
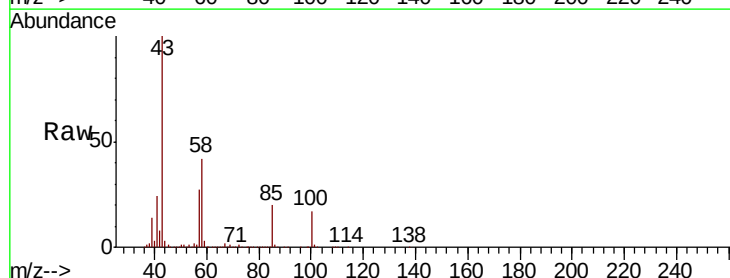
Tot Ion: 75 Resp: 413871
Ion Ratio Lower Upper
75 100
77 31.8 21.7 40.3

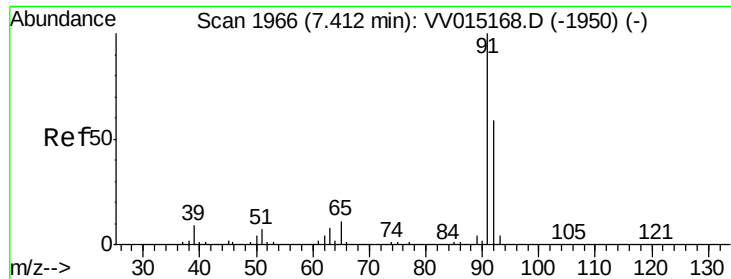


#40

4-Methyl-2-pentanone
Concen: 91.363 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Tgt Ion: 43 Resp: 729993
Ion Ratio Lower Upper
43 100
58 41.4 32.5 48.7
100 16.9 13.4 20.2





#42

Toluene

Concen: 46.498 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

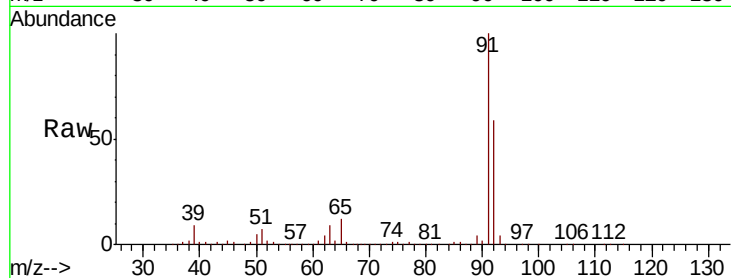
ClientSampleId :

Tot Ion: 91 Resp: 1074986

Ion Ratio Lower Upper

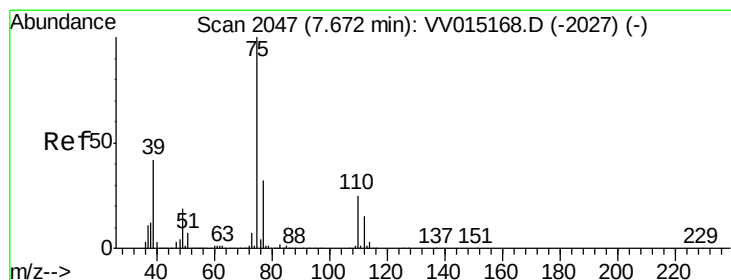
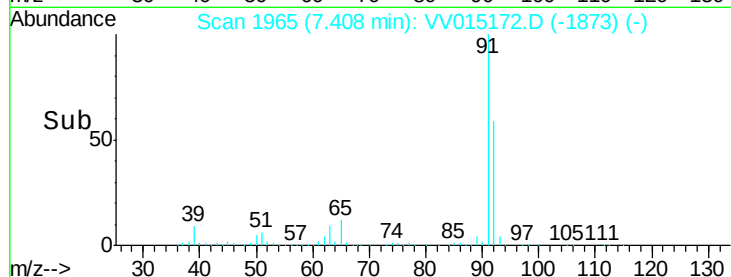
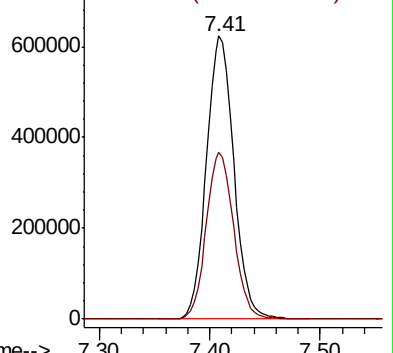
91 100

92 59.1 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: 45.877 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015172.D

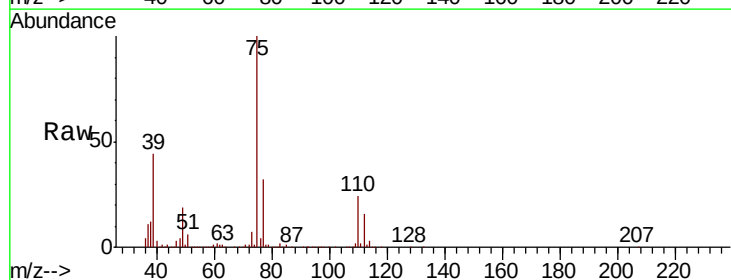
Acq: 26 Mar 2020 17:33

Tgt Ion: 75 Resp: 396679

Ion Ratio Lower Upper

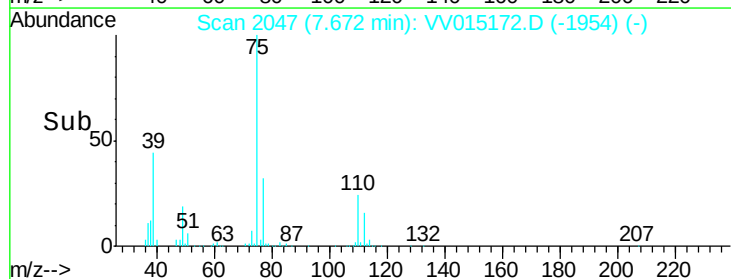
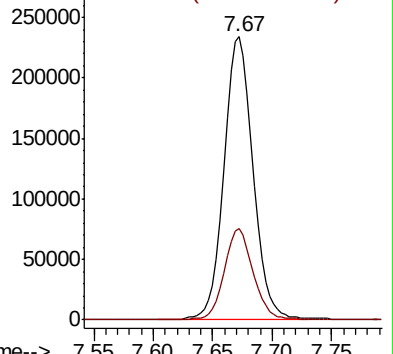
75 100

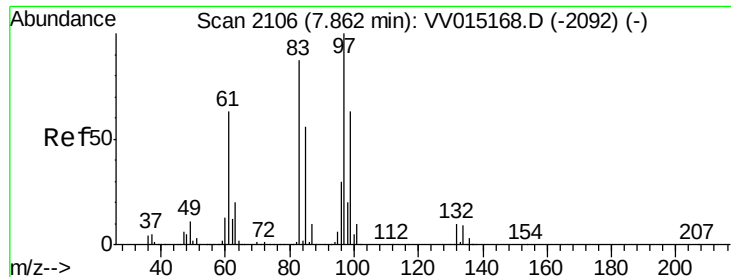
77 32.3 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

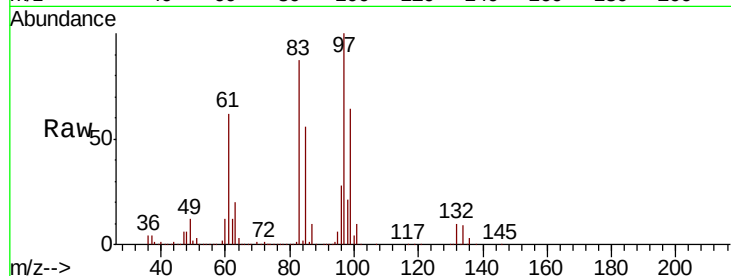




#45
 1,1,2-Trichloroethane
 Concen: 46.199 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015172.D
 Acq: 26 Mar 2020 17:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	239614
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.3	82.3
83	86.6	60.5	112.5
85	55.7	39.1	72.5



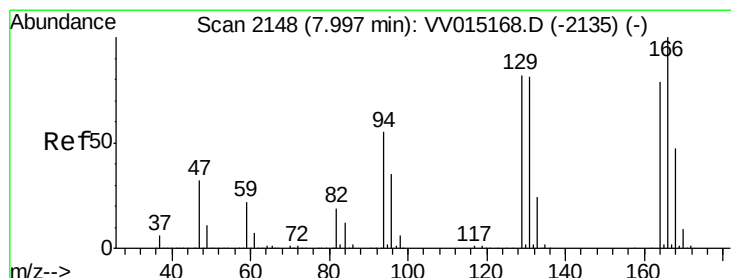
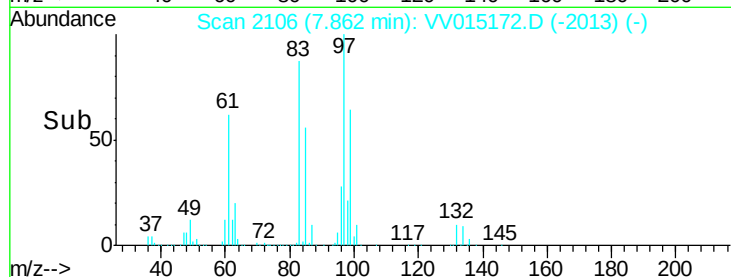
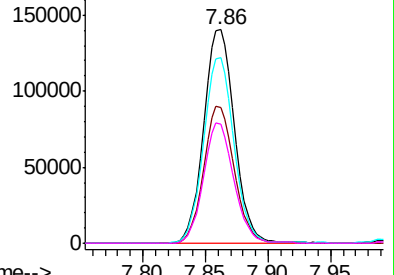
Abundance

Ion 97.00 (96.70 to 97.70): VV015172.D (-2092) (-)

Ion 99.00 (98.70 to 99.70): VV015172.D (-2092) (-)

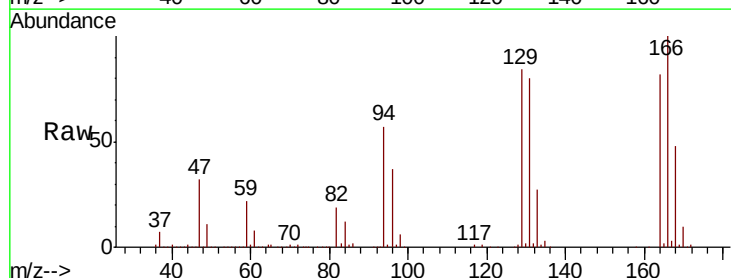
Ion 83.00 (82.70 to 83.70): VV015172.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV015172.D (-2092) (-)



#46
 Tetrachloroethene
 Concen: 48.599 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015172.D
 Acq: 26 Mar 2020 17:33

Tgt Ion:	164	Resp:	176307
Ion	Ratio	Lower	Upper
164	100		
129	103.0	72.7	135.1
131	97.5	71.6	133.0
166	121.9	88.8	165.0



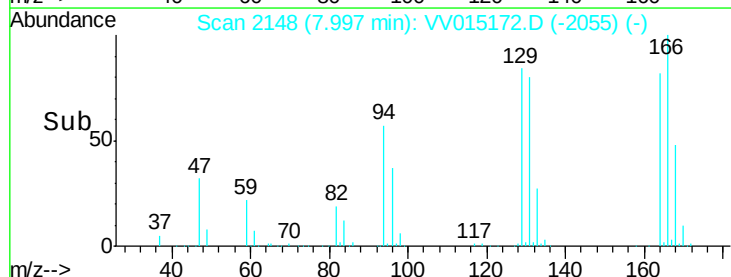
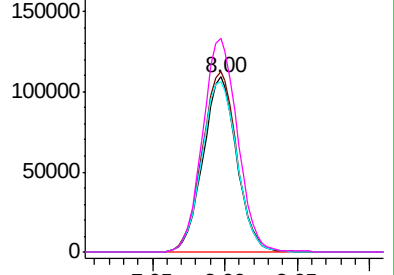
Abundance

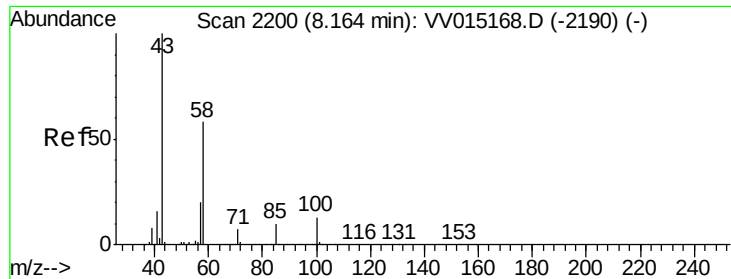
Ion 164.00 (163.70 to 164.70): VV015172.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV015172.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV015172.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV015172.D (-2135) (-)

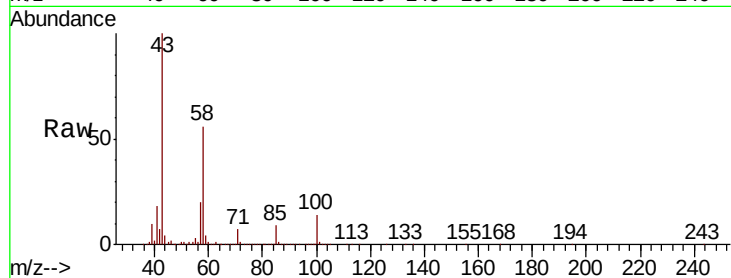




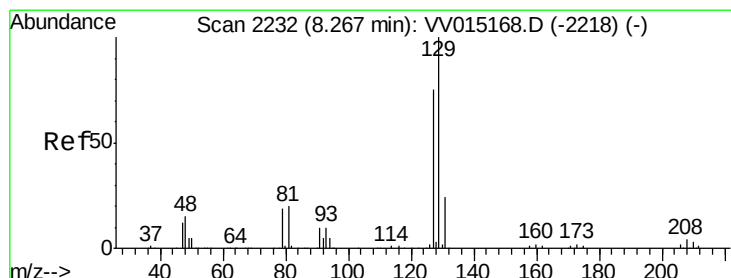
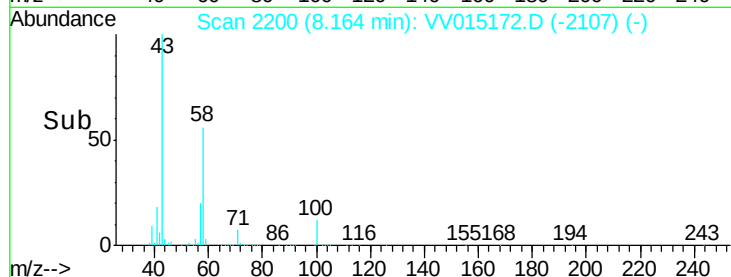
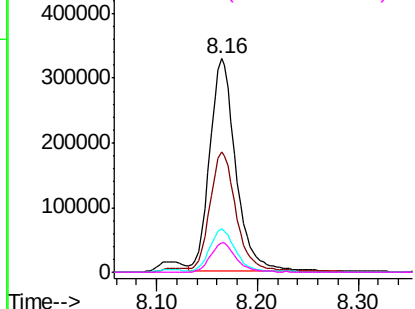
#48
2-Hexanone
Concen: 93.342 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 588936
Ion Ratio Lower Upper
43 100
58 54.8 44.3 66.5
57 20.5 15.4 23.0
100 13.7 10.4 15.6

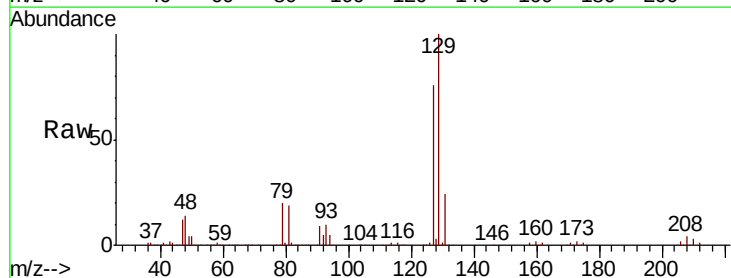


Abundance Ion 43.00 (42.70 to 43.70): VV015172.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015172.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015172.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015172.D (-2107) (-)

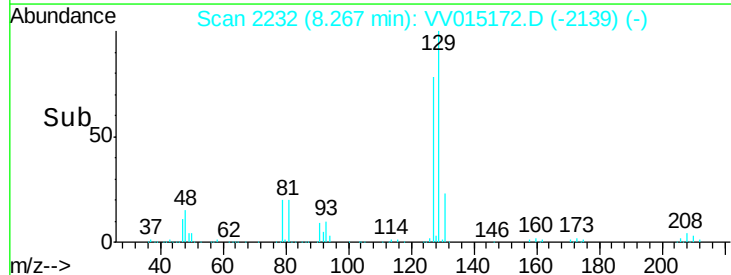
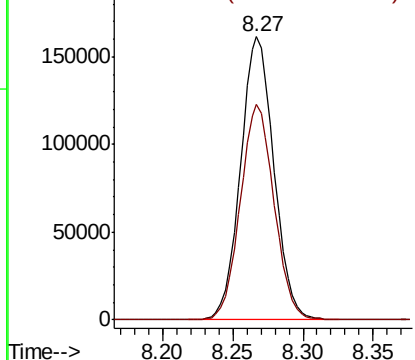


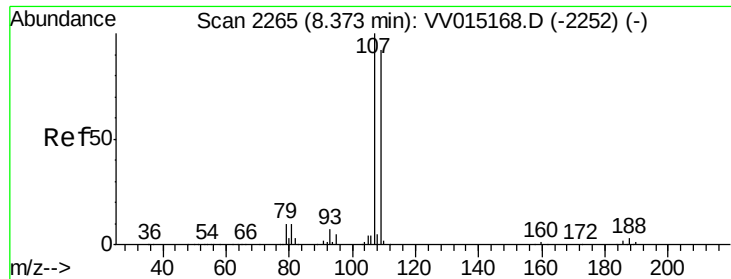
#49
Dibromochloromethane
Concen: 46.808 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Tgt Ion: 129 Resp: 267489
Ion Ratio Lower Upper
129 100
127 76.1 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): VV015172.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015172.D (-2139) (-)

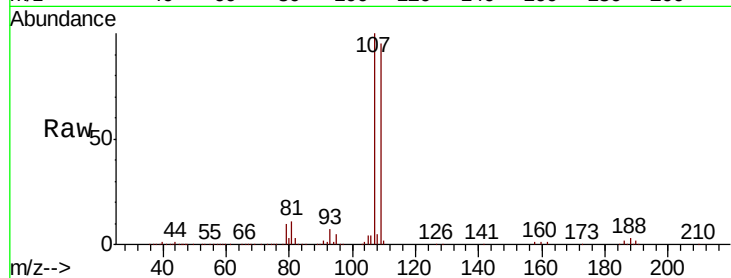




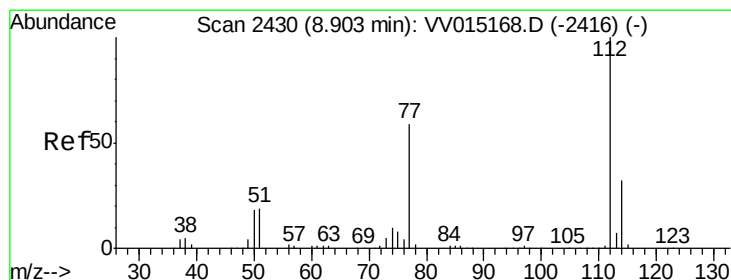
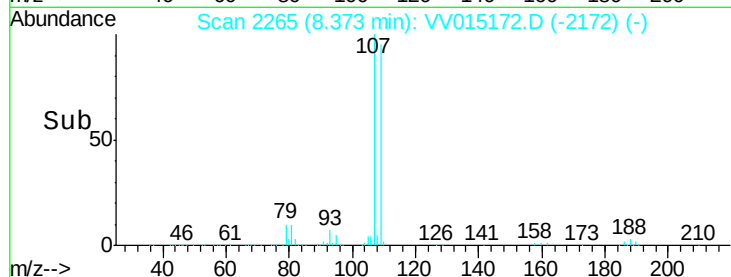
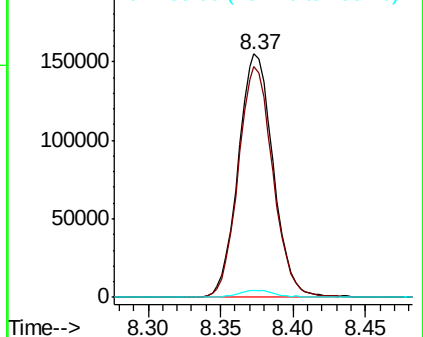
#50
1,2-Dibromoethane
Concen: 45.919 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	64.5	119.9
188	2.9	2.5	3.7

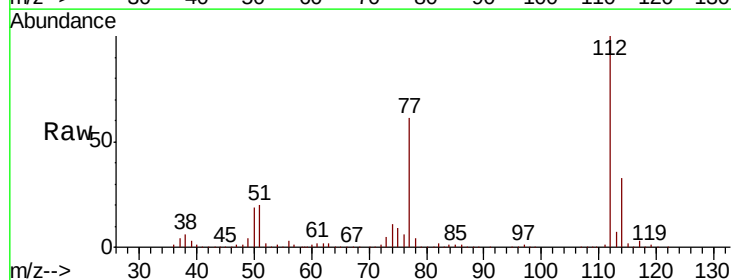


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

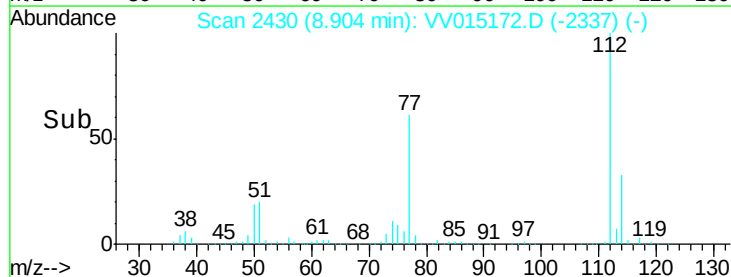
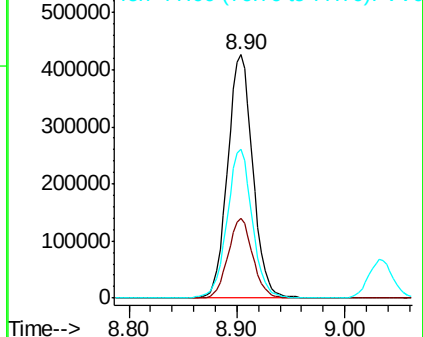


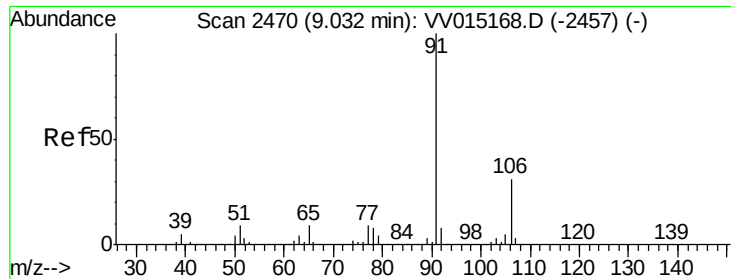
#51
Chlorobenzene
Concen: 46.597 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.1	41.1
77	61.0	47.3	70.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0

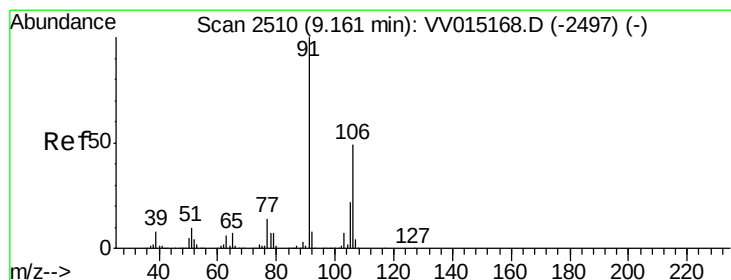
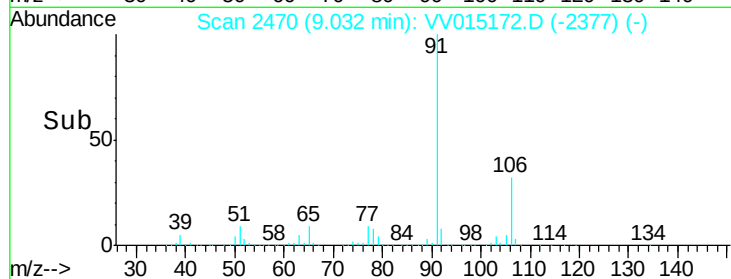
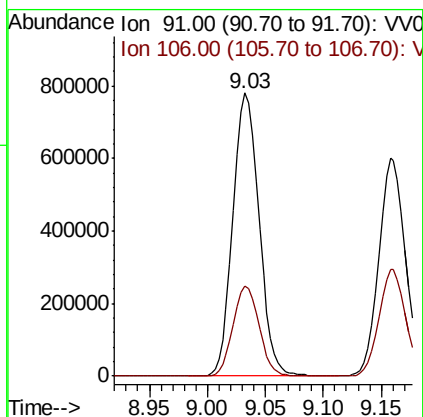
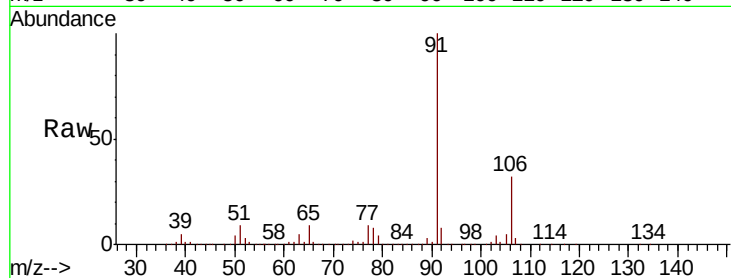




#52
Ethylbenzene
Concen: 47.036 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

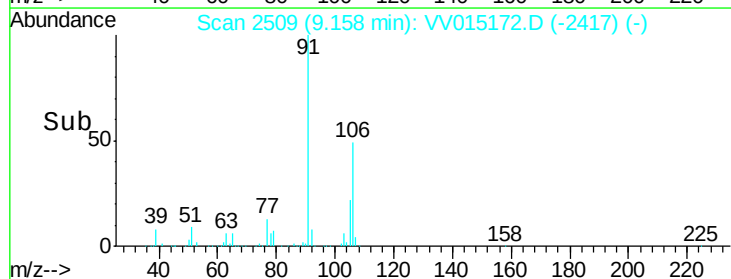
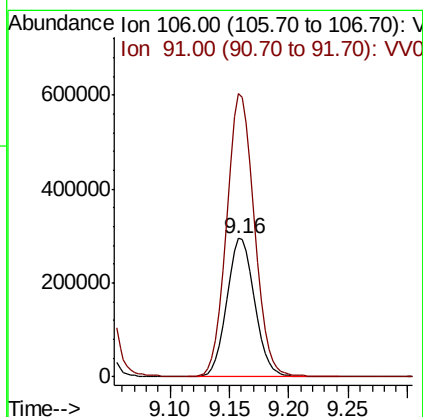
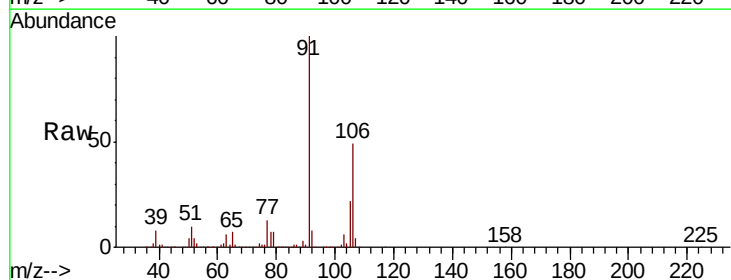
Instrument :
MSVOA_V
ClientSampleId :

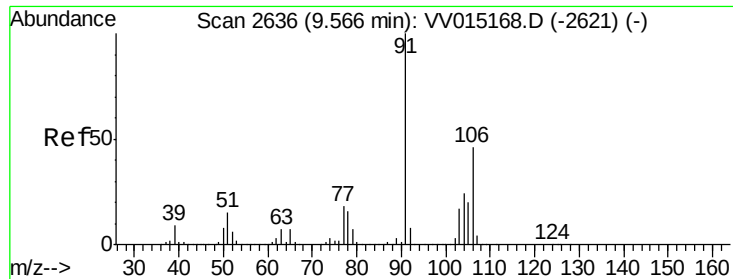
Tot Ion: 91 Resp: 1225157
Ion Ratio Lower Upper
91 100
106 31.8 21.8 40.4



#53
m,p-Xylene
Concen: 48.107 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV015172.D
Acq: 26 Mar 2020 17:33

Tgt Ion: 106 Resp: 478054
Ion Ratio Lower Upper
106 100
91 204.3 142.3 264.3





#54

o-xylene

Concen: 47.404 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

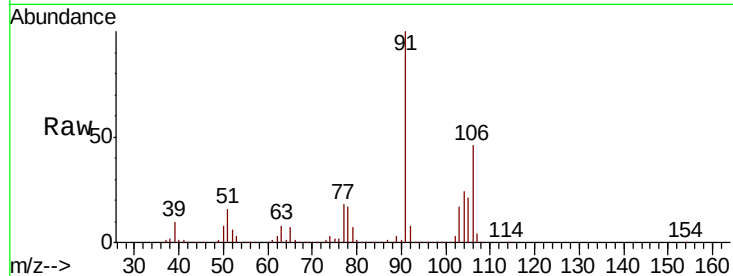
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 473144

Ion Ratio Lower Upper

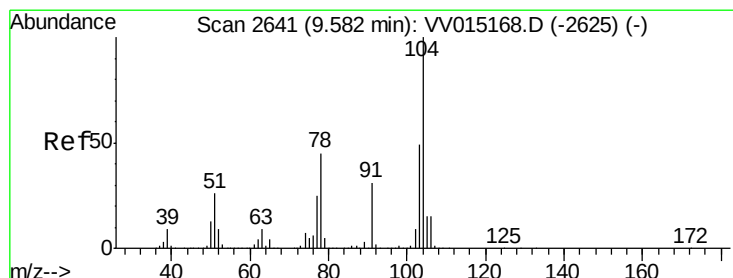
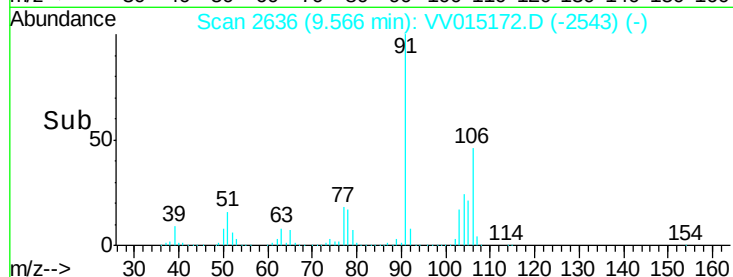
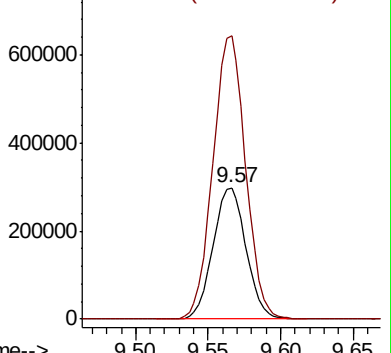
106 100

91 215.8 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 47.594 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015172.D

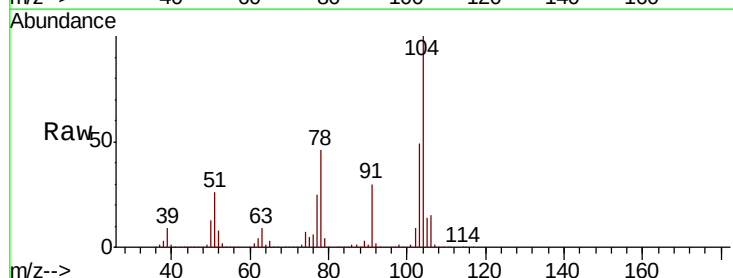
Acq: 26 Mar 2020 17:33

Tgt Ion:104 Resp: 803723

Ion Ratio Lower Upper

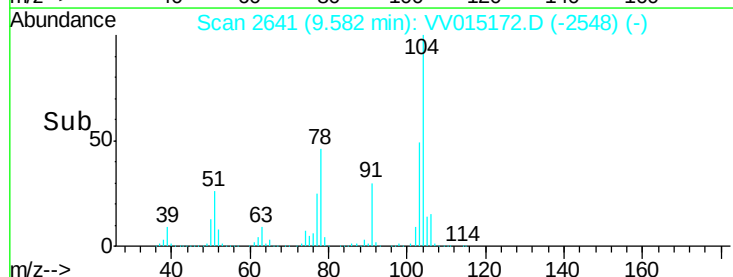
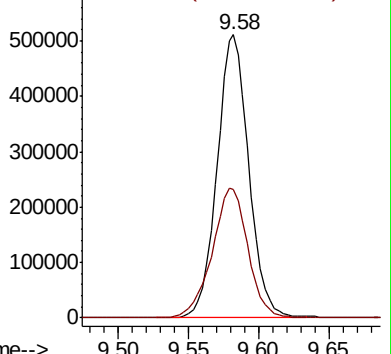
104 100

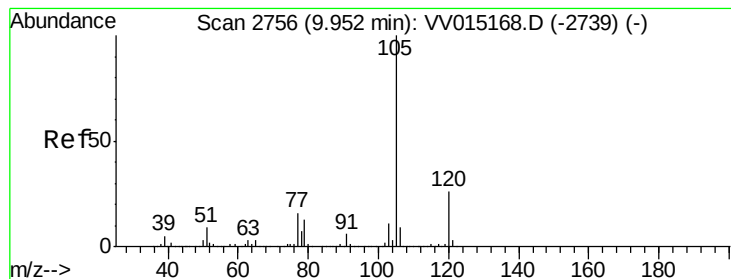
78 45.6 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.226 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

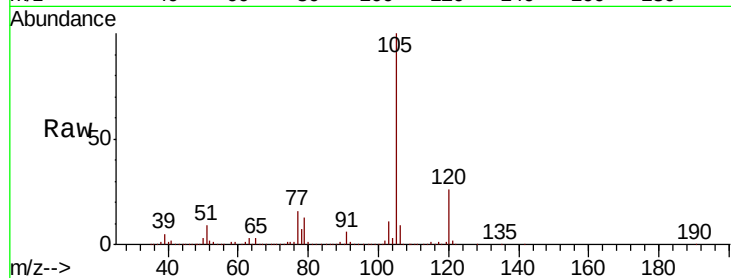
Tot Ion:105 Resp: 1235800

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

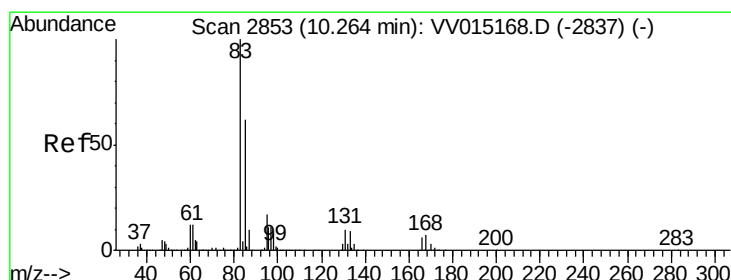
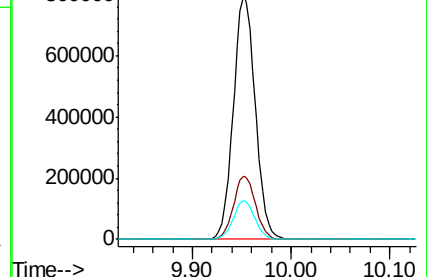
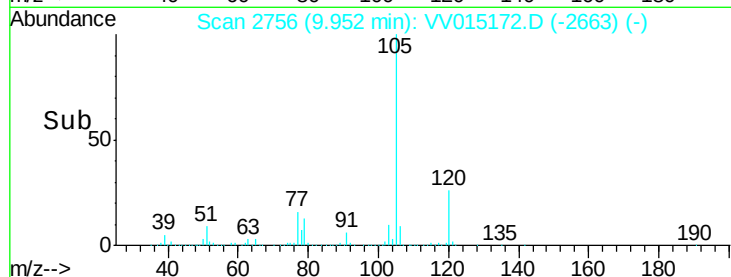
77 15.8 12.9 19.3



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: 45.727 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

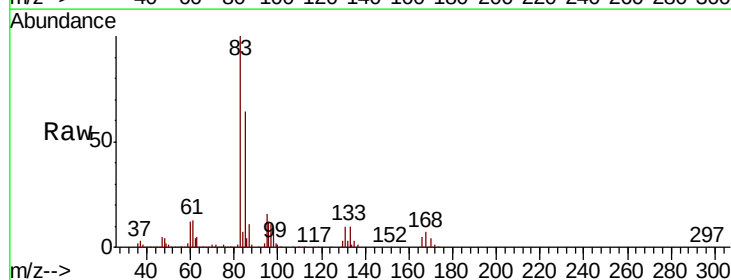
Tgt Ion: 83 Resp: 399771

Ion Ratio Lower Upper

83 100

85 64.4 43.7 81.1

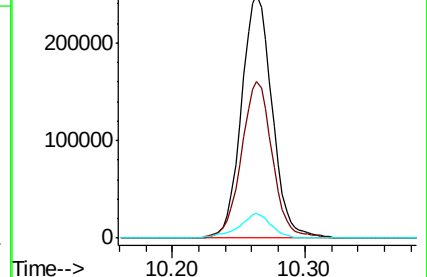
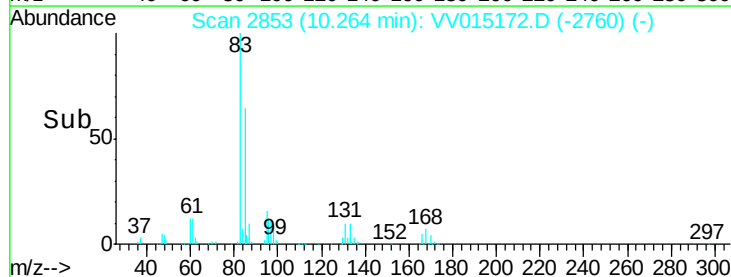
131 9.9 7.8 11.8

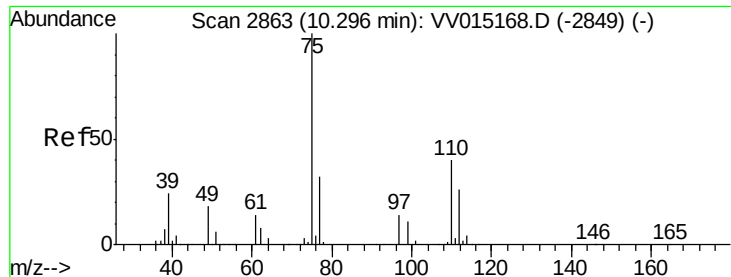


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.369 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

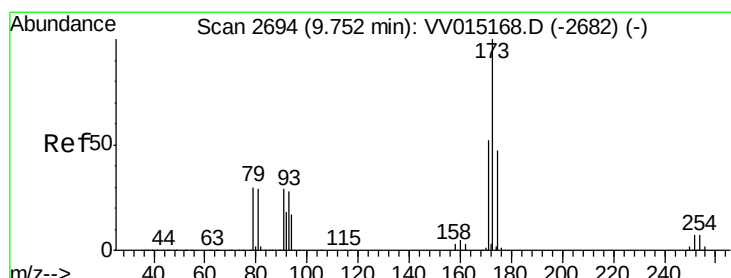
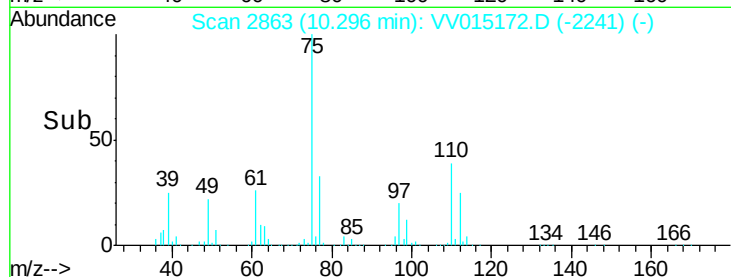
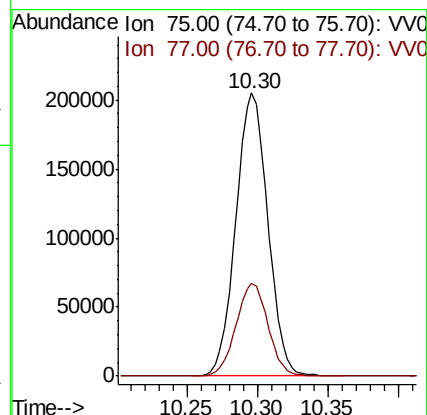
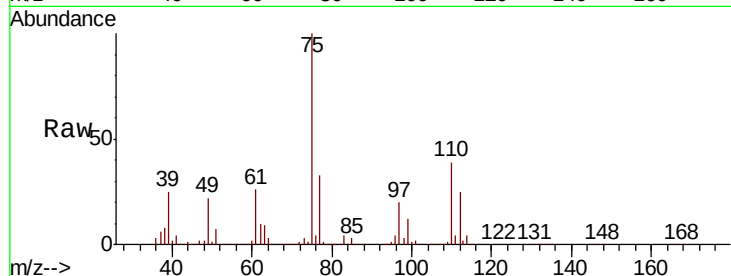
ClientSampleId :

Tot Ion: 75 Resp: 326370

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3



#61

Bromoform

Concen: 45.243 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

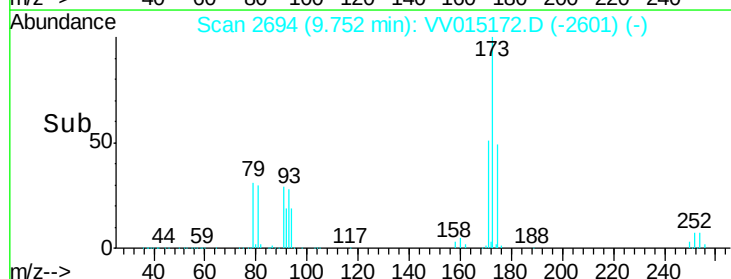
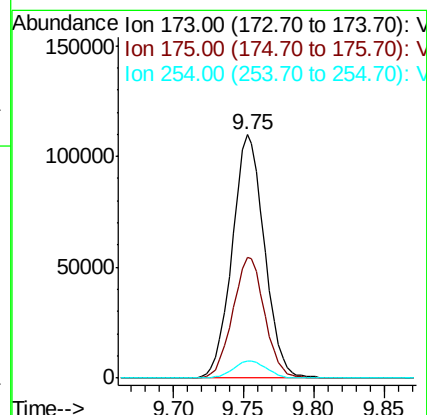
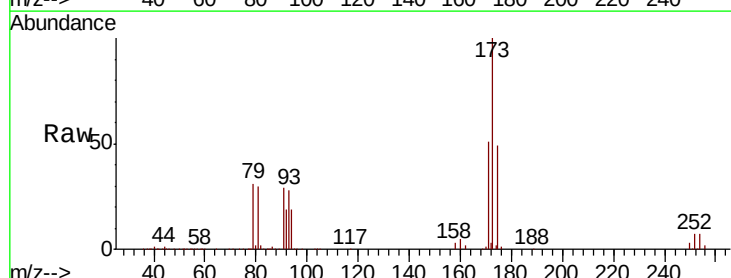
Tgt Ion: 173 Resp: 175337

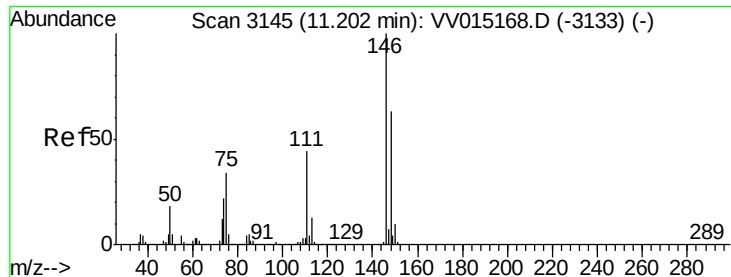
Ion Ratio Lower Upper

173 100

175 49.1 38.4 57.6

254 7.3 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 46.883 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

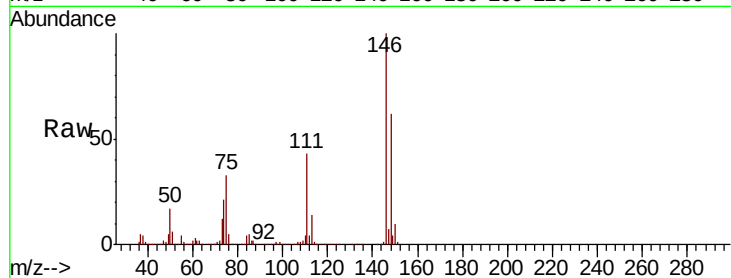
Tot Ion:146 Resp: 528767

Ion Ratio Lower Upper

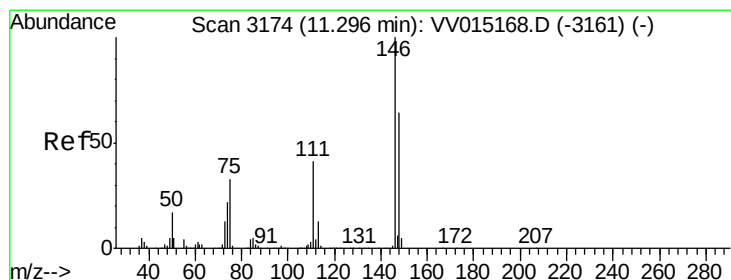
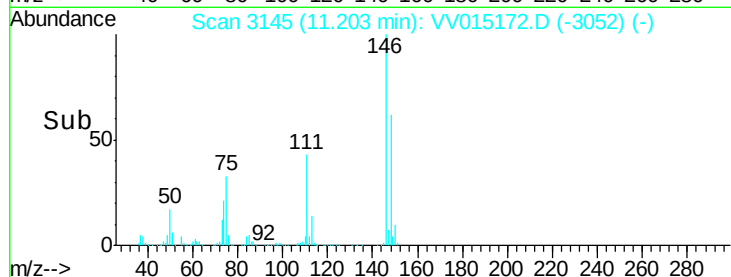
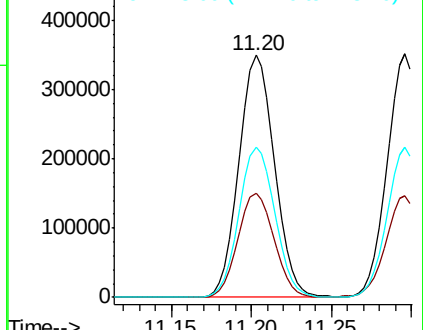
146 100

111 43.2 30.5 56.7

148 62.0 44.0 81.6



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 46.622 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

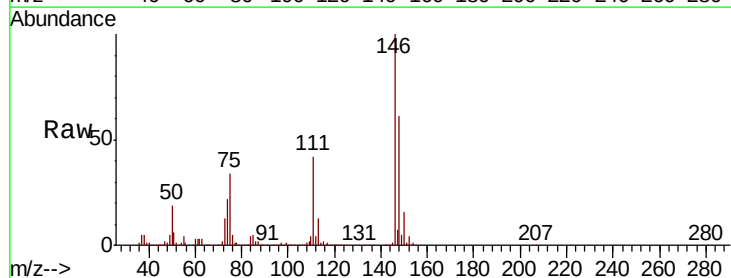
Tgt Ion:146 Resp: 531175

Ion Ratio Lower Upper

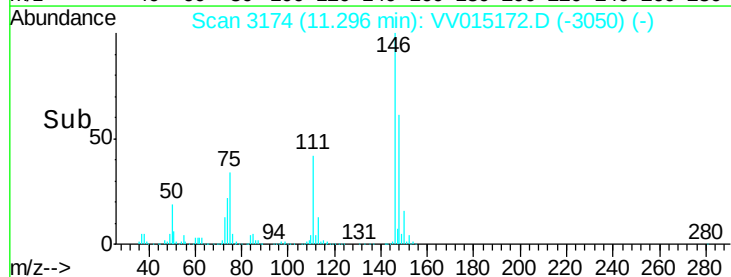
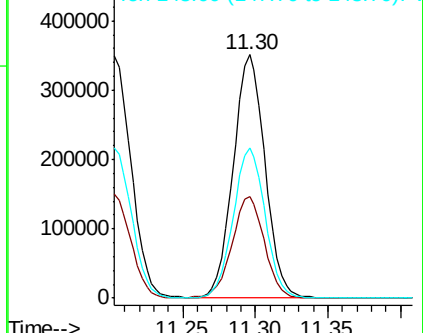
146 100

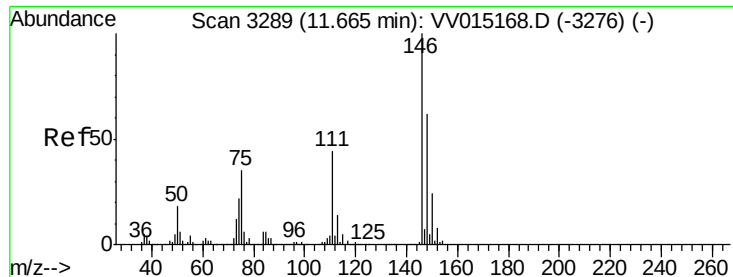
111 41.8 29.2 54.2

148 61.4 44.8 83.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 45.567 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

ClientSampled :

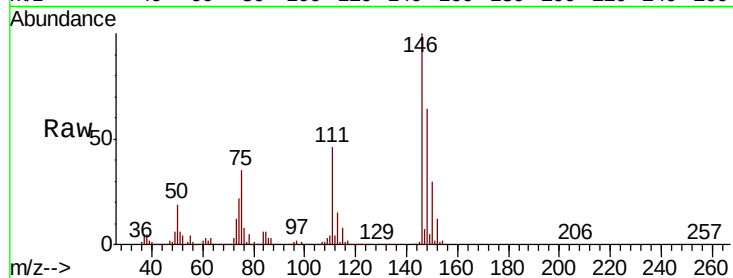
Tot Ion:146 Resp: 521055

Ion Ratio Lower Upper

146 100

111 45.5 35.4 53.2

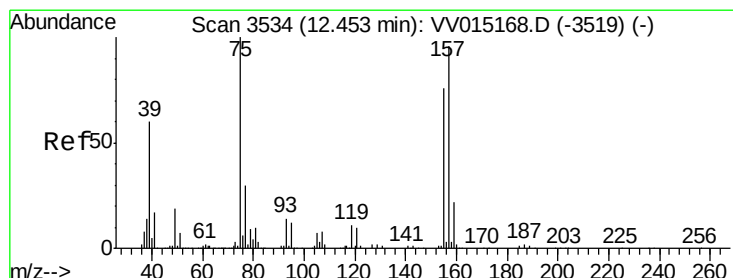
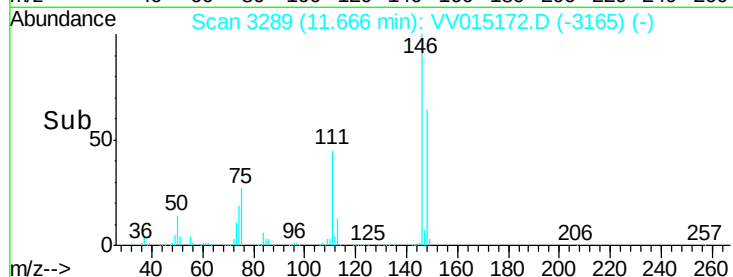
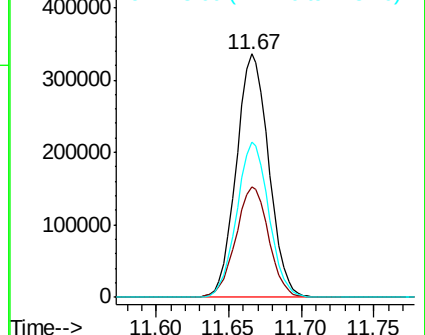
148 63.8 49.7 74.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 44.119 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

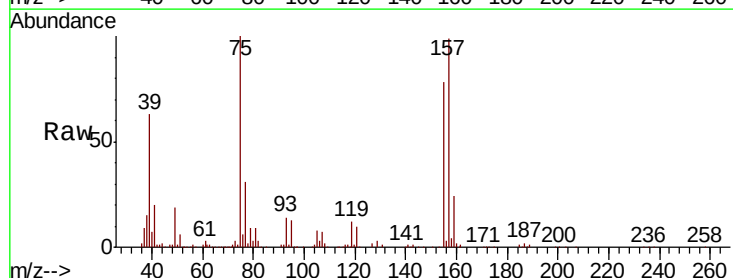
Tgt Ion: 75 Resp: 112086

Ion Ratio Lower Upper

75 100

155 77.5 60.5 90.7

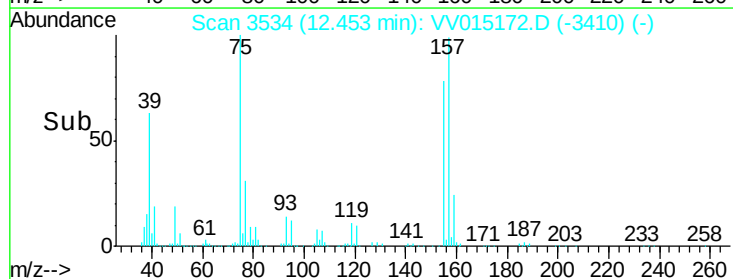
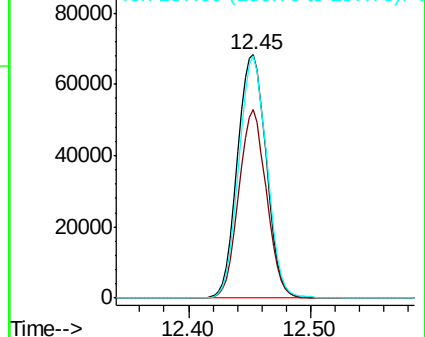
157 99.4 76.7 115.1

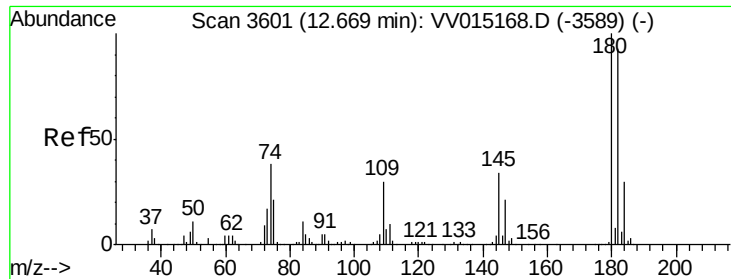


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

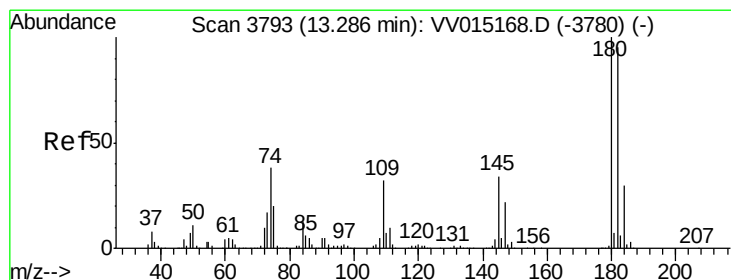
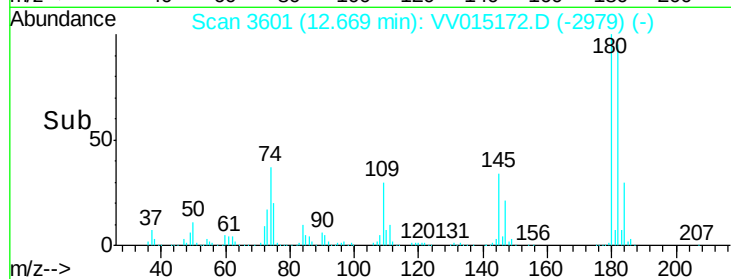
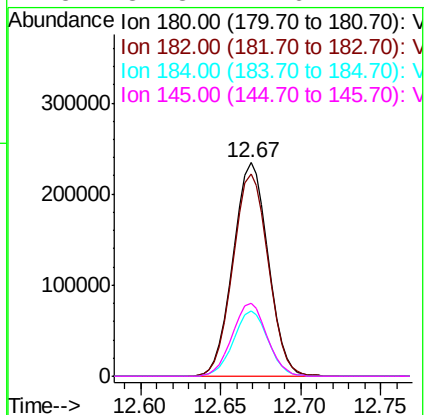
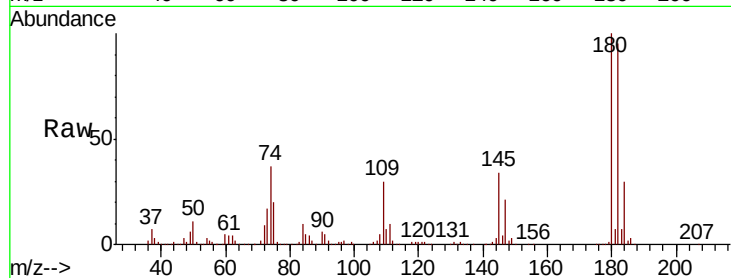




#67
 1,3,5-Trichlorobenzene
 Concen: 48.240 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015172.D
 Acq: 26 Mar 2020 17:33

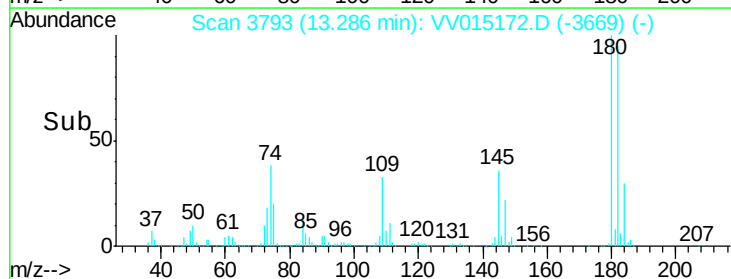
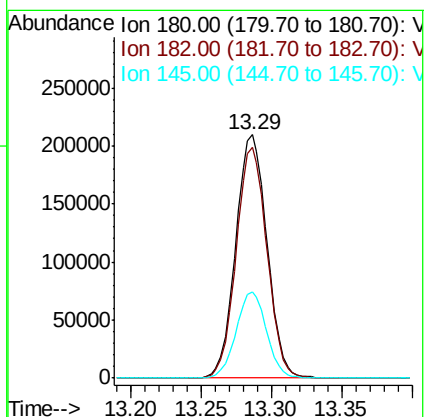
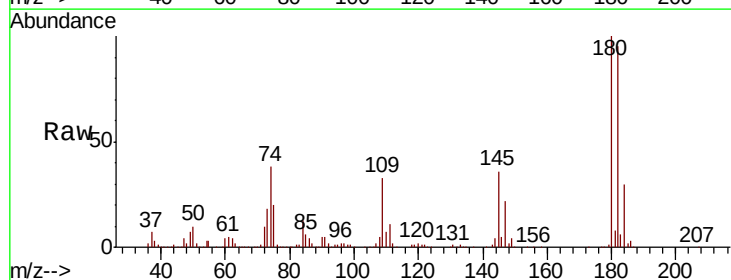
Instrument :
 MSVOA_V
 ClientSampleId :

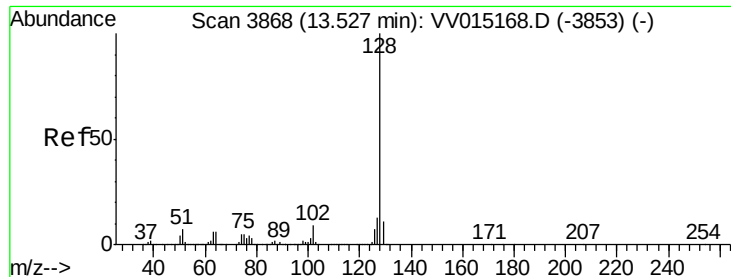
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	114.8
184	30.1	24.2	36.4
145	34.3	27.6	41.4



#68
 1,2,4-trichlorobenzene
 Concen: 47.307 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015172.D
 Acq: 26 Mar 2020 17:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.2	112.8
145	34.5	27.5	41.3





#69

Naphthalene

Concen: 46.222 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

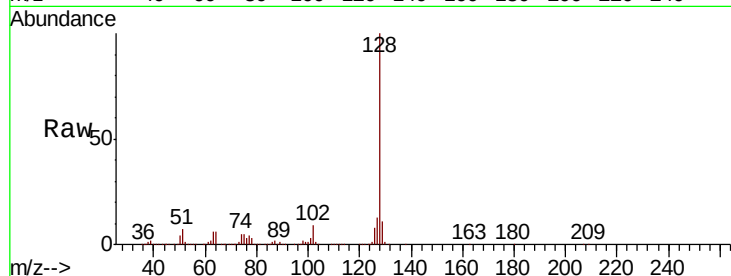
Tot Ion:128 Resp: 1274171

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

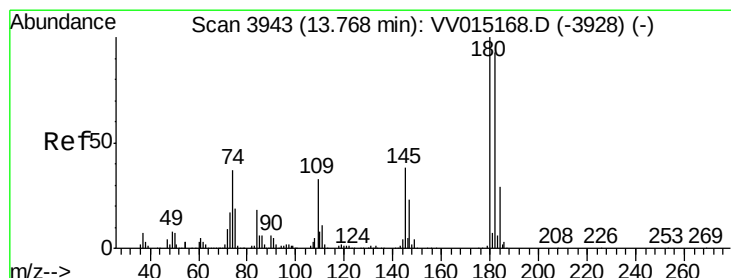
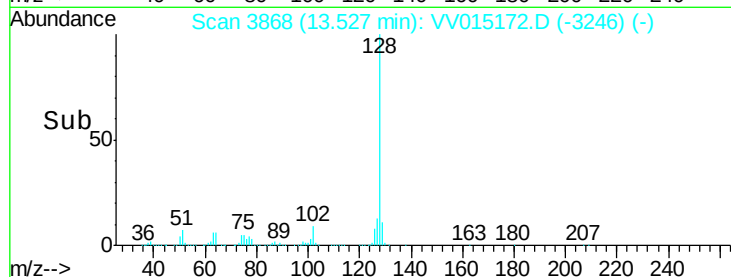
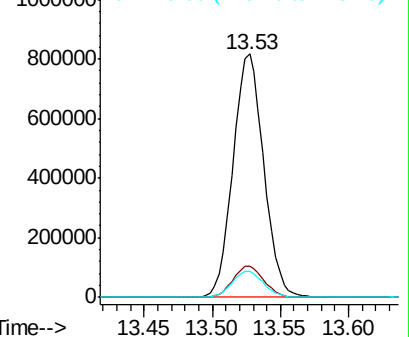
129 10.9 8.6 13.0



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: 47.815 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015172.D

Acq: 26 Mar 2020 17:33

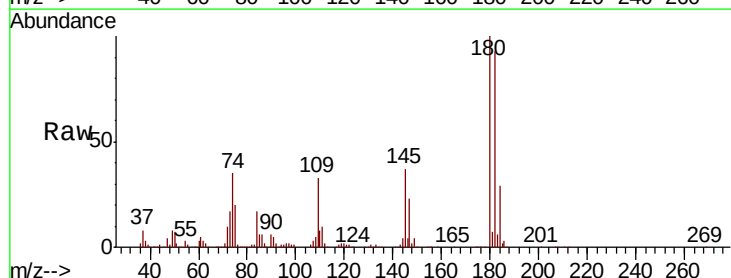
Tgt Ion:180 Resp: 329578

Ion Ratio Lower Upper

180 100

182 93.8 74.6 112.0

145 37.0 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

