

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015193.D
 Acq On : 27 Mar 2020 03:28
 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 04:28:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 03:08:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	668385	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	655640	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	305557	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	155648	43.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.80%
7) Chloroethane-d5	1.58	69	164491	45.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.12	63	368910	45.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.22%
21) 2-Butanone-d5	3.94	46	364387	102.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.05%
24) Chloroform-d	4.38	84	377373	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	5.06	65	247258	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
32) Benzene-d6	5.08	84	628801	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
36) 1,2-Dichloropropane-d6	6.10	67	227051	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.34%
41) Toluene-d8	7.34	98	565152	46.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.48%
43) trans-1,3-Dichloropropene-	7.64	79	120994	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.34%
47) 2-Hexanone-d5	8.11	63	283626	99.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.71%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	401303	48.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	273144	47.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	265920	45.090 ug/L	98
3) Chloromethane	1.25	50	292387	45.653 ug/L	100
5) Vinyl chloride	1.32	62	295692	45.071 ug/L	100
6) Bromomethane	1.53	94	188190	44.449 ug/L	97
8) Chloroethane	1.60	64	192269	44.821 ug/L	99
9) Trichlorofluoromethane	1.76	101	478410	44.192 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	247082	45.128 ug/L	99
12) 1,1-Dichloroethene	2.13	96	246305	45.691 ug/L	95
13) Acetone	2.22	43	200282	81.103 ug/L #	89
14) Carbon disulfide	2.31	76	613720	44.396 ug/L	99
15) Methyl Acetate	2.46	43	235905	46.144 ug/L	99
16) Methylene chloride	2.52	84	235413	46.783 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	211725	45.193 ug/L	100
18) Methyl tert-butyl Ether	2.79	73	731750	46.344 ug/L	100
19) 1,1-Dichloroethane	3.21	63	395112	45.659 ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	240521	46.089 ug/L	98
22) 2-Butanone	4.02	43	337726	86.929 ug/L	98

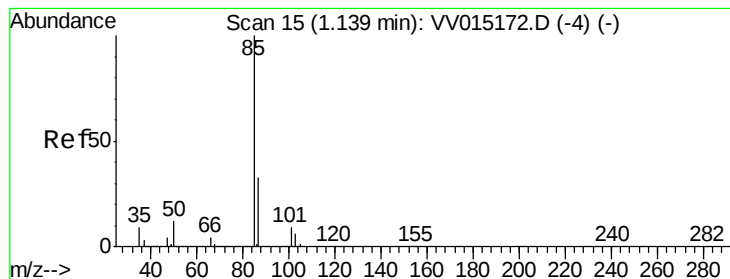
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 03:08:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	117546	46.558	uq/L	98
25) Chloroform	4.41	83	416420	46.710	uq/L	98
27) 1,2-Dichloroethane	5.16	62	327745	46.371	uq/L	100
29) Cyclohexane	4.70	56	361073	44.997	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	382401	46.057	uq/L	99
31) Carbon tetrachloride	4.86	117	320480	45.921	uq/L	99
33) Benzene	5.13	78	901570	46.189	uq/L	100
34) Trichloroethene	5.94	95	231803	45.588	uq/L	99
35) Methylcyclohexane	6.15	83	371554	43.971	uq/L	99
37) 1,2-Dichloropropane	6.20	63	230419	46.170	uq/L	100
38) Bromodichloromethane	6.53	83	326770	46.201	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	364462	43.691	uq/L	99
40) 4-Methyl-2-pentanone	7.25	43	705824	93.785	uq/L	100
42) Toluene	7.41	91	1013163	46.526	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	366771	45.033	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	229888	47.056	uq/L	99
46) Tetrachloroethene	8.00	164	160526	46.977	uq/L	99
48) 2-Hexanone	8.16	43	550878	92.693	uq/L	98
49) Dibromochloromethane	8.27	129	255130	47.398	uq/L	98
50) 1,2-Dibromoethane	8.37	107	248815	46.790	uq/L	96
51) Chlorobenzene	8.90	112	649116	46.667	uq/L	99
52) Ethylbenzene	9.04	91	1136875	46.338	uq/L	99
53) m,p-Xylene	9.16	106	436672	46.652	uq/L	99
54) o-xylene	9.57	106	437356	46.520	uq/L	99
55) Styrene	9.58	104	747966	47.023	uq/L	99
56) Isopropylbenzene	9.95	105	1130505	46.837	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	383809	46.608	uq/L	99
59) 1,2,3-Trichloropropane	10.30	75	311744	47.022	uq/L	100
61) Bromoform	9.75	173	161865	45.980	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	475308	46.394	uq/L	99
63) 1,4-Dichlorobenzene	11.30	146	477679	46.156	uq/L	100
65) 1,2-Dichlorobenzene	11.67	146	478580	46.074	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	104239	45.169	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	304964	46.520	uq/L	99
68) 1,2,4-trichlorobenzene	13.29	180	290081	46.391	uq/L	99
69) Naphthalene	13.53	128	1191059	47.565	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	293114	46.815	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 45.090 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :

MSVOA_V

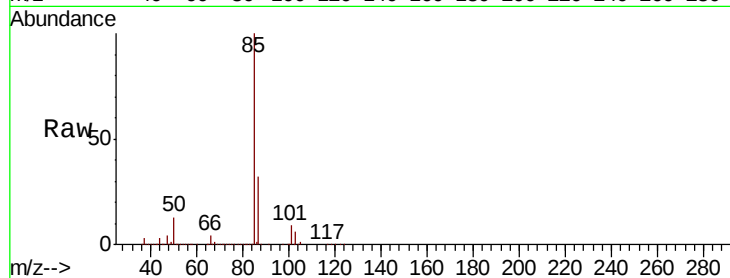
ClientSampleId :

Tot Ion: 85 Resp: 265920

Ion Ratio Lower Upper

85 100

87 31.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV015193.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015193.D (-1) (-)

1.14

300000

250000

200000

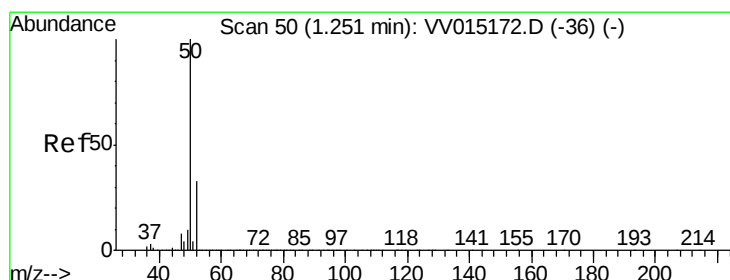
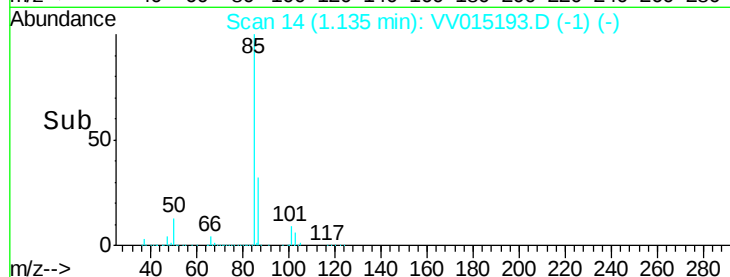
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 45.653 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015193.D

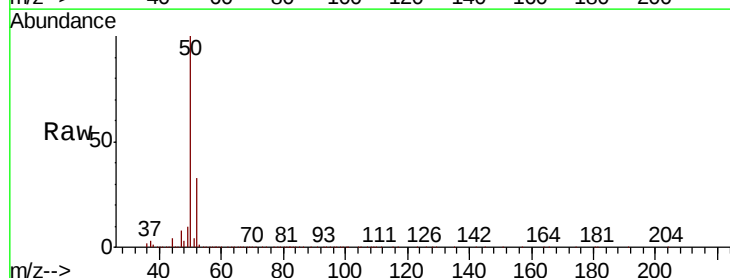
Acq: 27 Mar 2020 03:28

Tgt Ion: 50 Resp: 292387

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV015193.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV015193.D (-1) (-)

1.25

300000

250000

200000

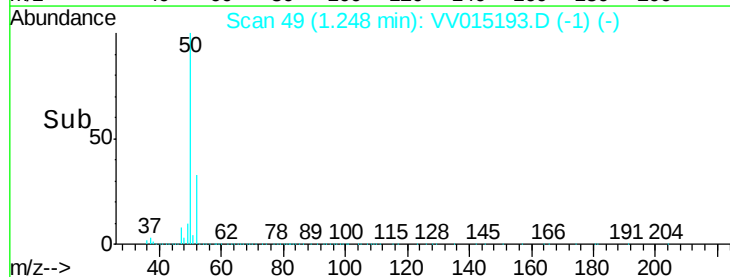
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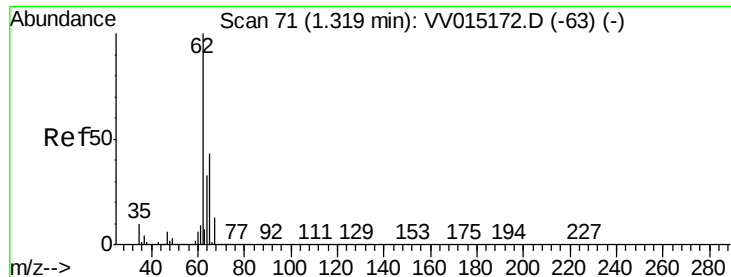
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 45.071 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :

MSVOA_V

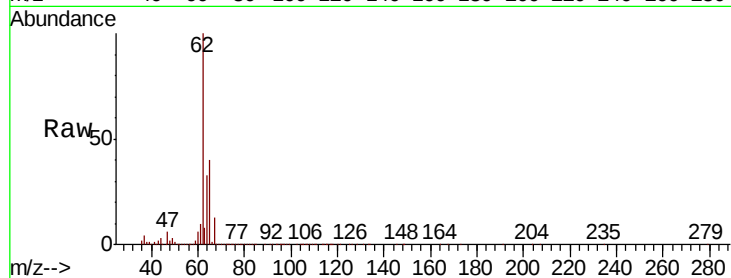
ClientSampleId :

Tot Ion: 62 Resp: 295692

Ion Ratio Lower Upper

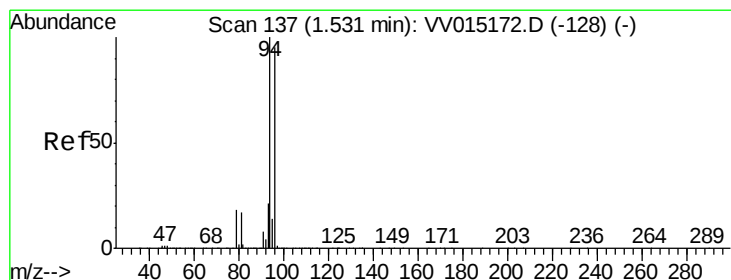
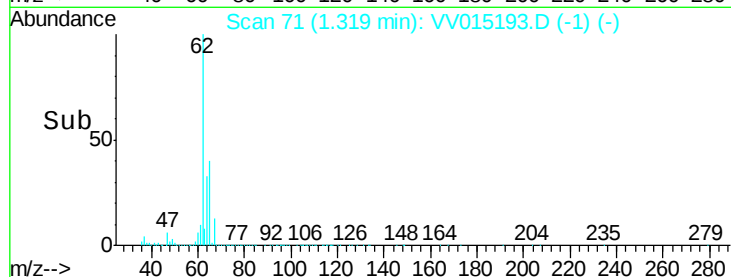
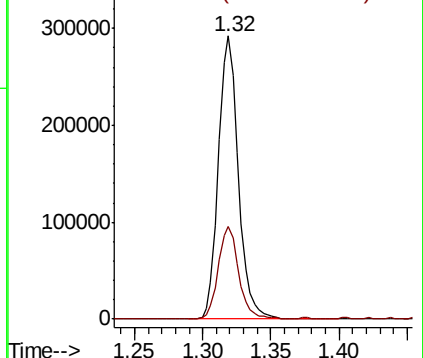
62 100

64 32.9 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: 44.449 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015193.D

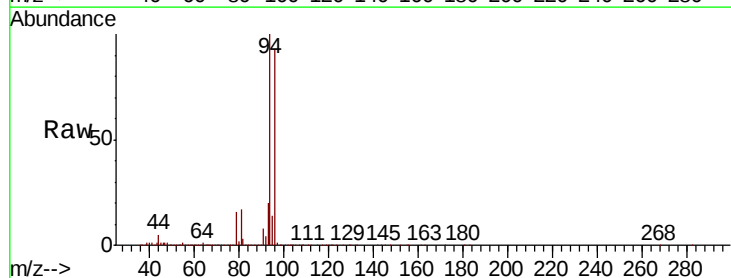
Acq: 27 Mar 2020 03:28

Tgt Ion: 94 Resp: 188190

Ion Ratio Lower Upper

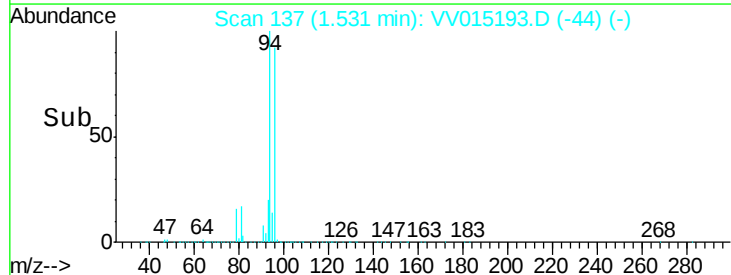
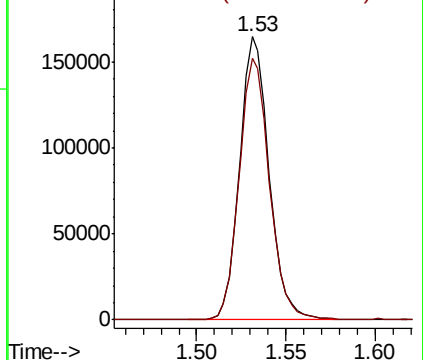
94 100

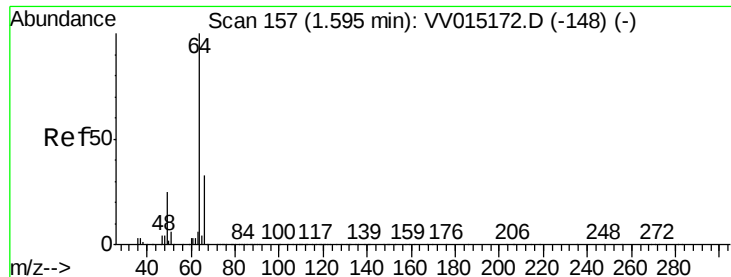
96 92.6 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 44.821 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

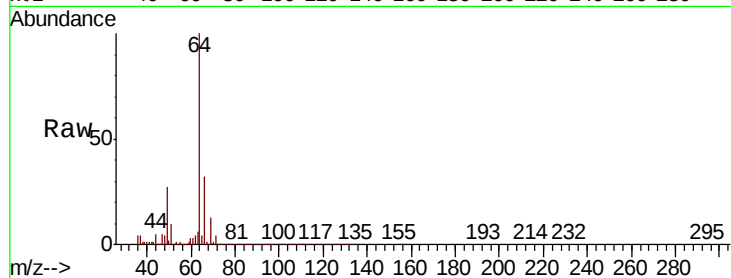
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 192269

Ion Ratio Lower Upper

64 100

66 31.5 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

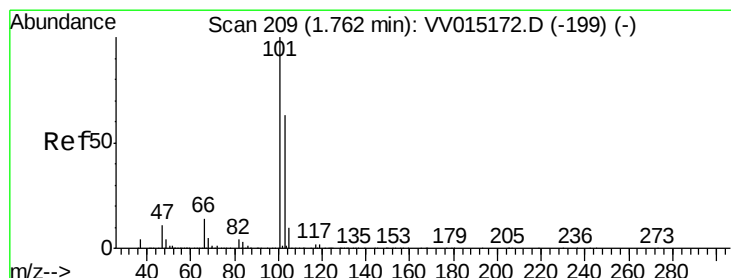
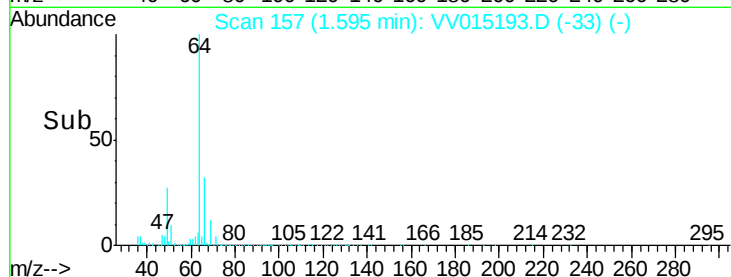
100000

50000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 44.192 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015193.D

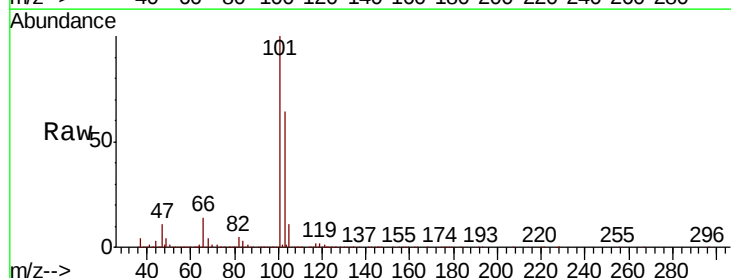
Acq: 27 Mar 2020 03:28

Tgt Ion: 101 Resp: 478410

Ion Ratio Lower Upper

101 100

103 63.8 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.76

400000

300000

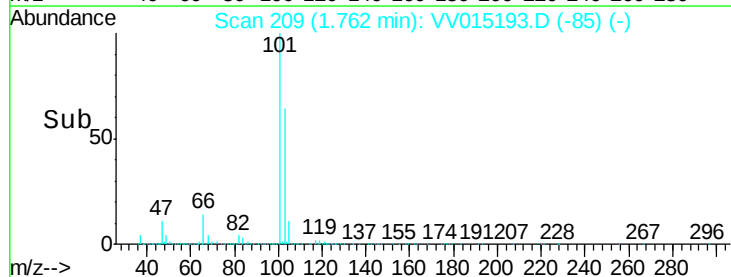
200000

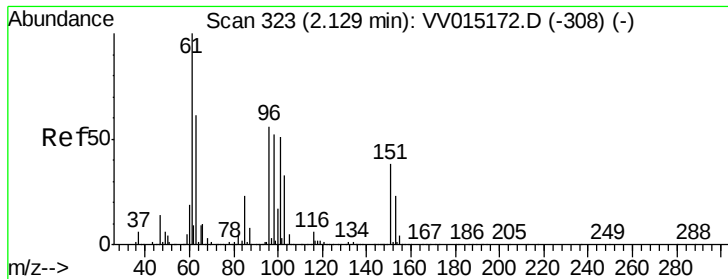
100000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 45.128 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :

MSVOA_V

ClientSampleId :

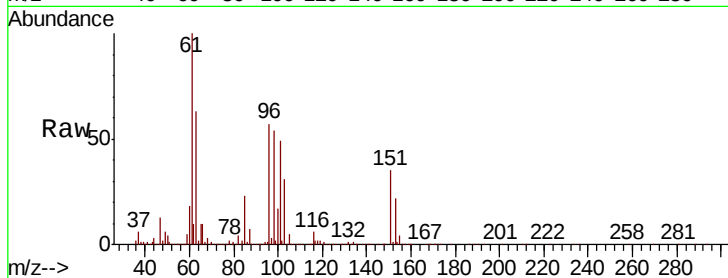
Tot Ion:101 Resp: 247082

Ion Ratio Lower Upper

101 100

85 45.9 37.1 55.7

151 72.6 57.7 86.5

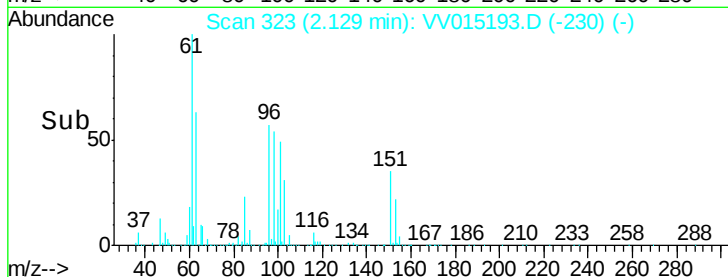


Abundance Ion 101.00 (100.70 to 101.70): VV015193.D (-230) (-)

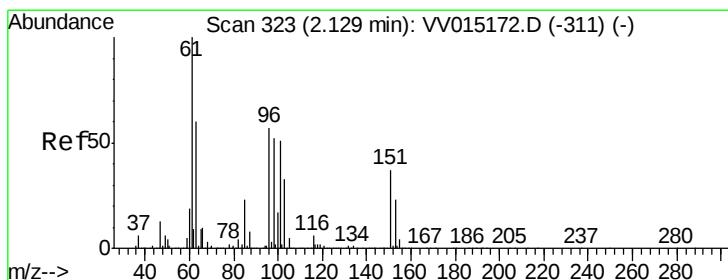
Ion 85.00 (84.70 to 85.70): VV015193.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015193.D (-230) (-)

2.13



Time-->



#12

1,1-Dichloroethene

Concen: 45.691 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

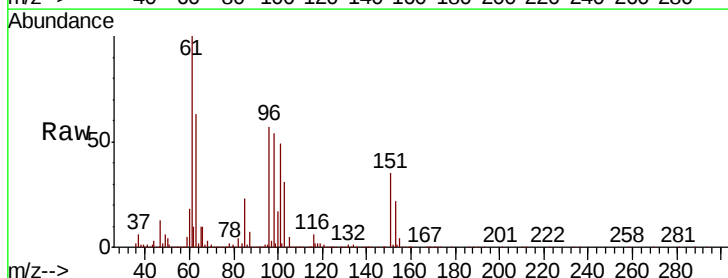
Tgt Ion: 96 Resp: 246305

Ion Ratio Lower Upper

96 100

61 174.4 122.3 227.1

63 109.6 67.9 126.1

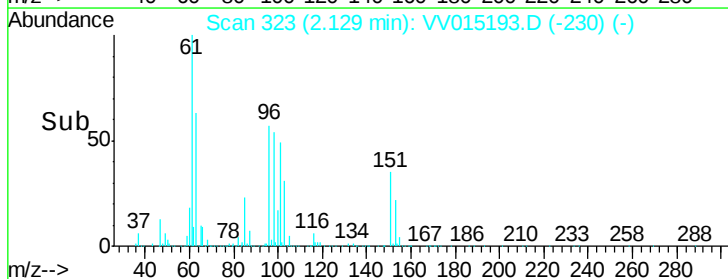


Abundance Ion 96.00 (95.70 to 96.70): VV015193.D (-230) (-)

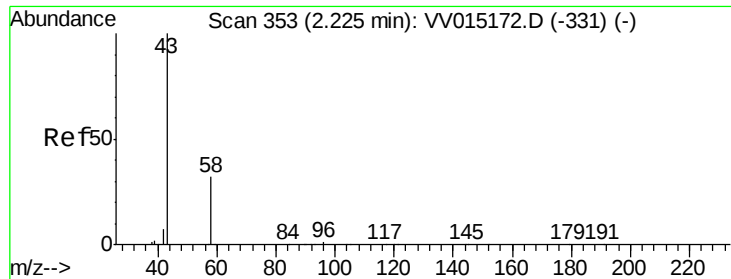
Ion 61.00 (60.70 to 61.70): VV015193.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV015193.D (-230) (-)

2.13



Time-->



#13

Acetone

Concen: 81.103 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :

MSVOA_V

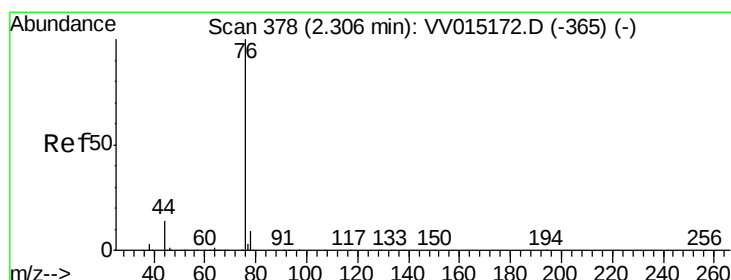
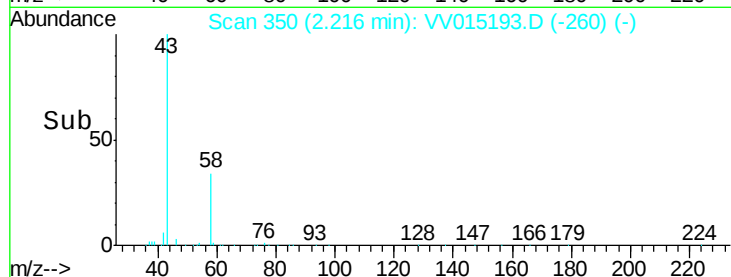
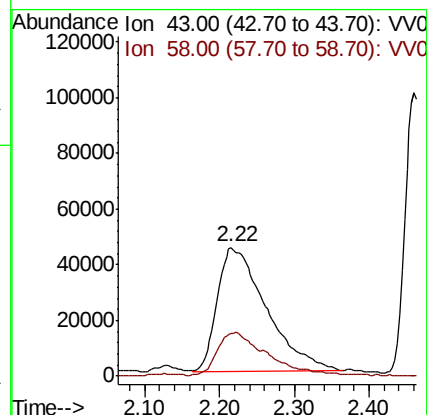
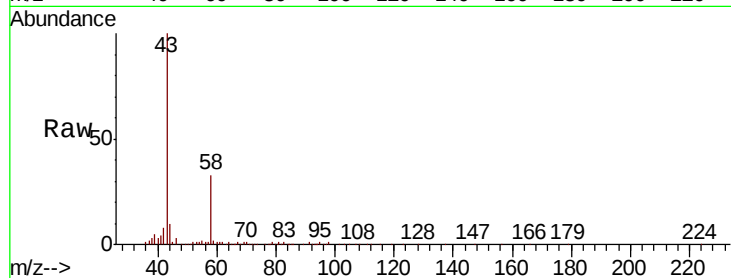
ClientSampled :

Tot Ion: 43 Resp: 200282

Ion Ratio Lower Upper

43 100

58 24.8 0.0 0.2#



#14

Carbon disulfide

Concen: 44.396 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015193.D

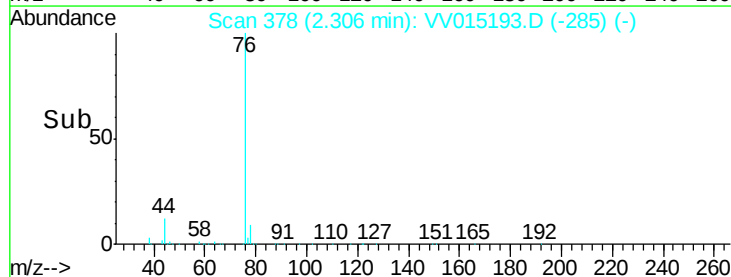
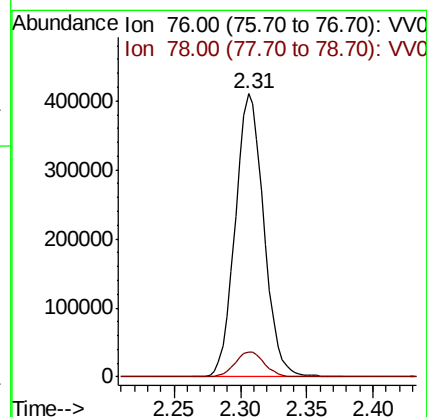
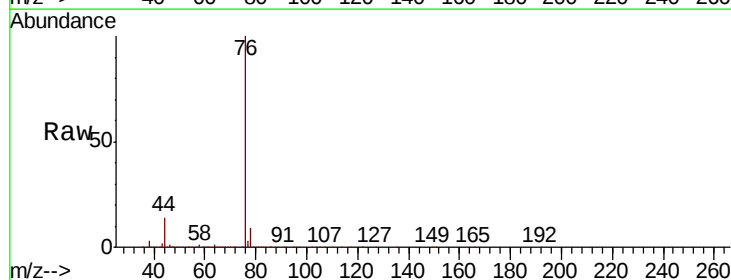
Acq: 27 Mar 2020 03:28

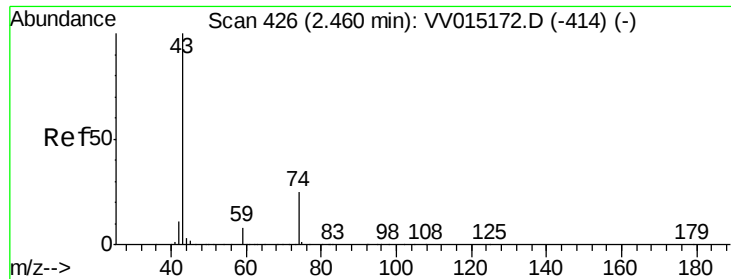
Tgt Ion: 76 Resp: 613720

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

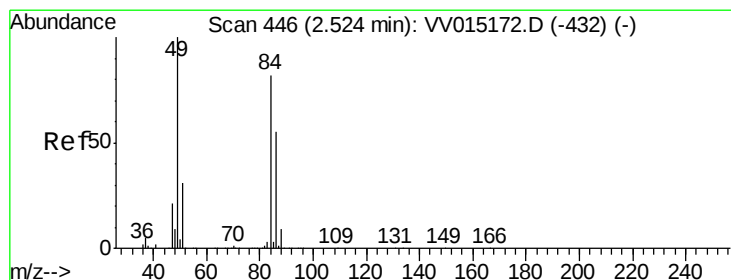
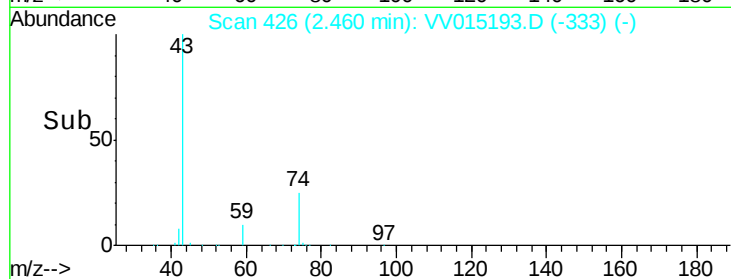
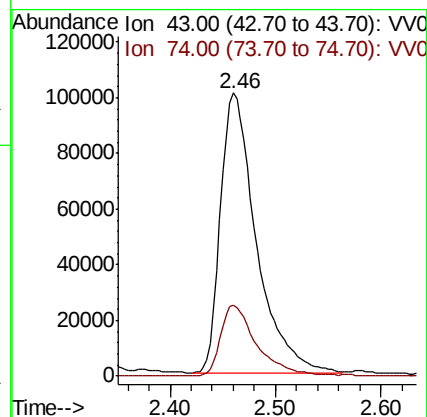
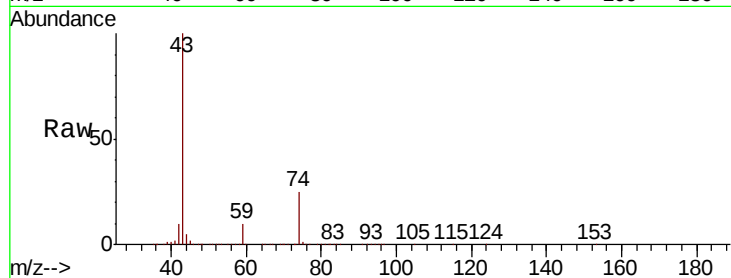




#15
Methvl Acetate
Concen: 46.144 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

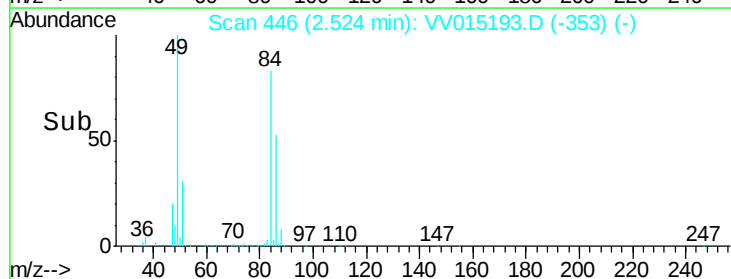
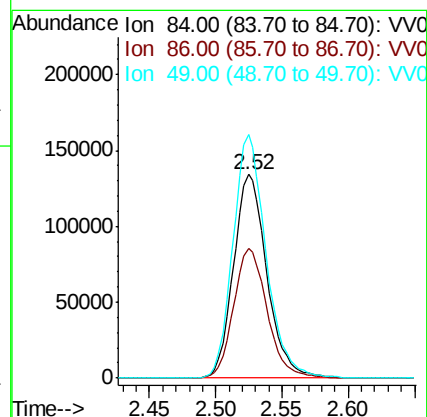
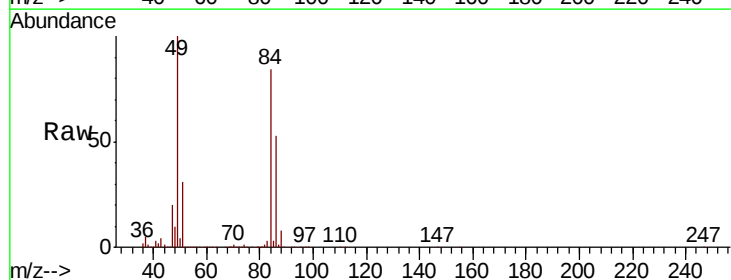
Instrument :
MSVOA_V
ClientSampled :

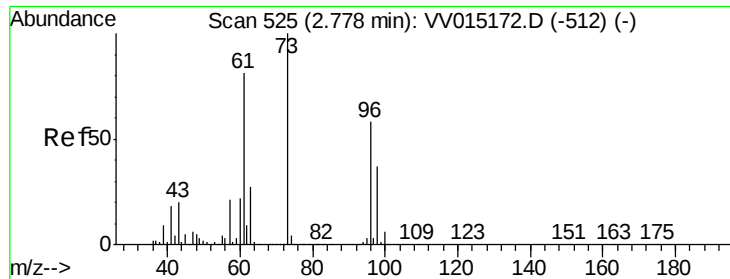
Tot Ion: 43 Resp: 235905
Ion Ratio Lower Upper
43 100
74 25.6 20.0 30.0



#16
Methylene chloride
Concen: 46.783 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

Tgt Ion: 84 Resp: 235413
Ion Ratio Lower Upper
84 100
86 63.6 45.1 83.9
49 119.7 84.2 156.4

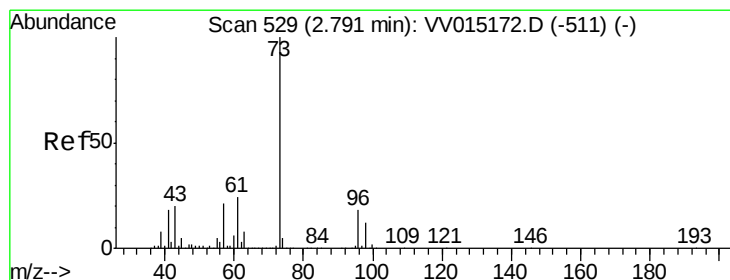
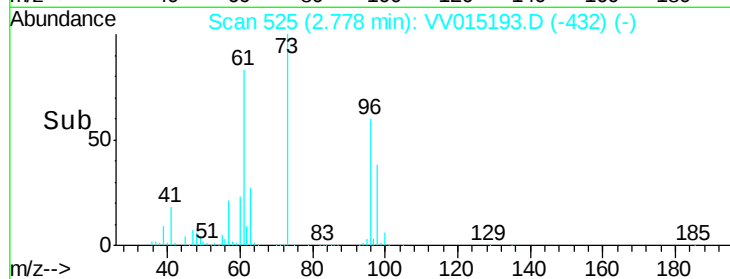
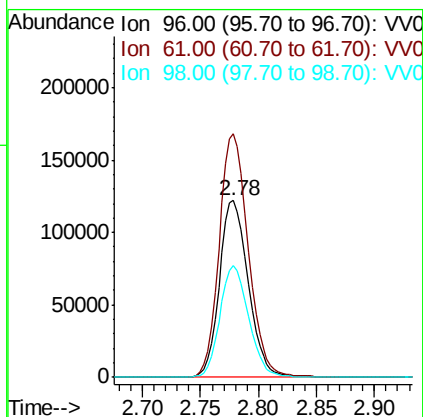
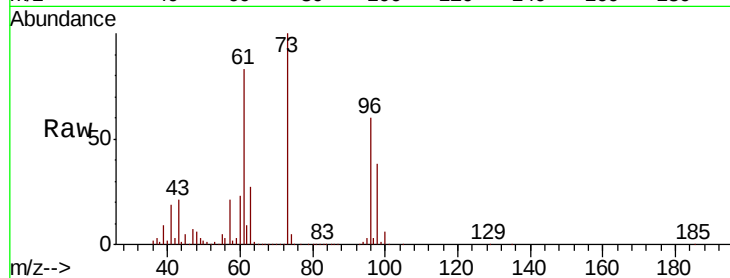




#17
trans-1,2-Dichloroethene
Concen: 45.193 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

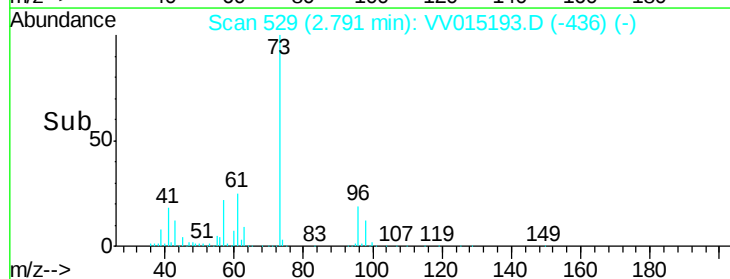
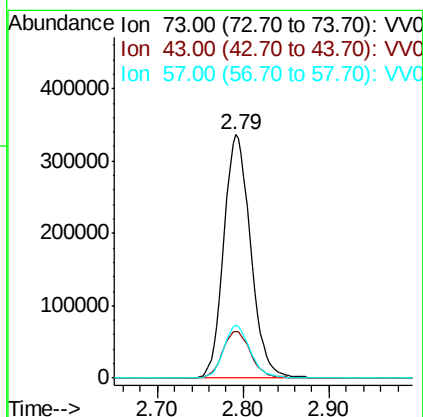
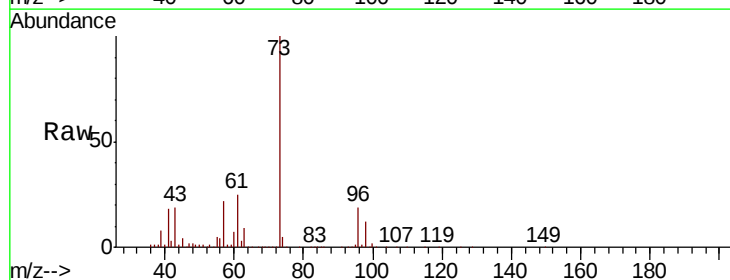
Instrument :
MSVOA_V
ClientSampleId :

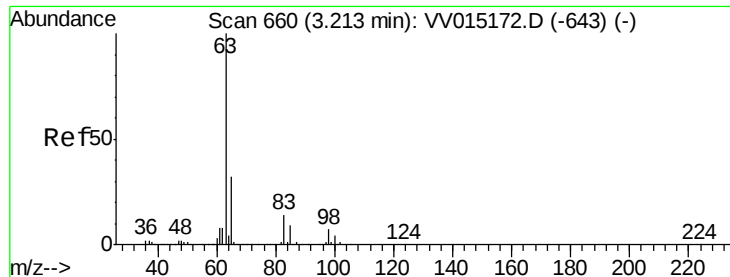
Tot Ion: 96 Resp: 211725
Ion Ratio Lower Upper
96 100
61 138.0 96.4 179.0
98 63.2 43.8 81.4



#18
Methyl tert-butyl Ether
Concen: 46.344 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

Tgt Ion: 73 Resp: 731750
Ion Ratio Lower Upper
73 100
43 19.7 15.8 23.6
57 21.4 17.1 25.7

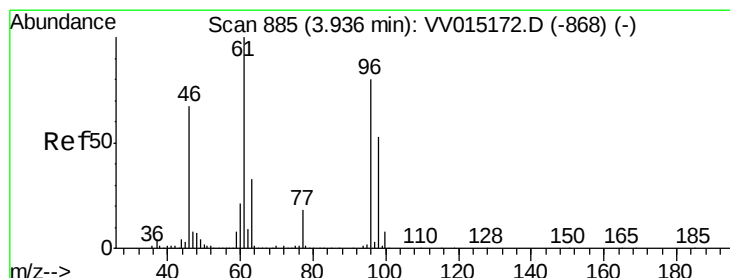
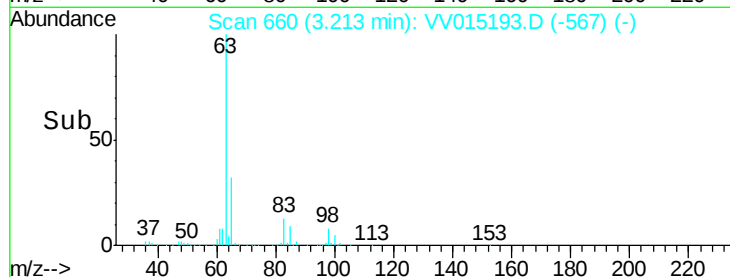
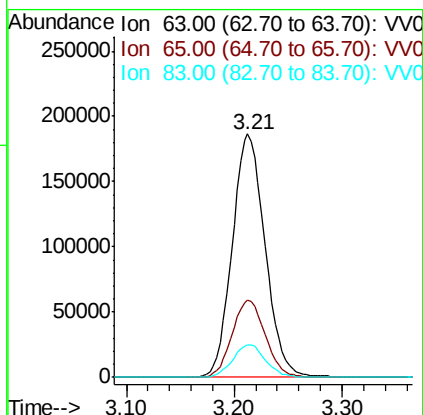
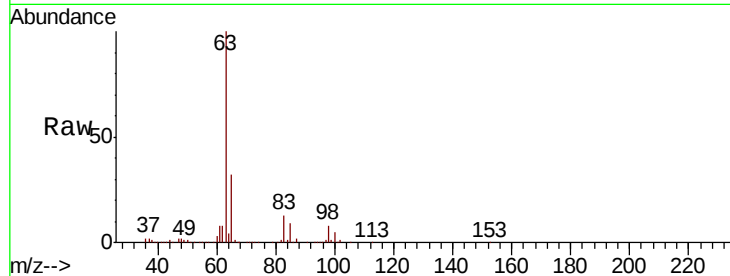




#19
 1,1-Dichloroethane
 Concen: 45.659 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015193.D
 Acq: 27 Mar 2020 03:28

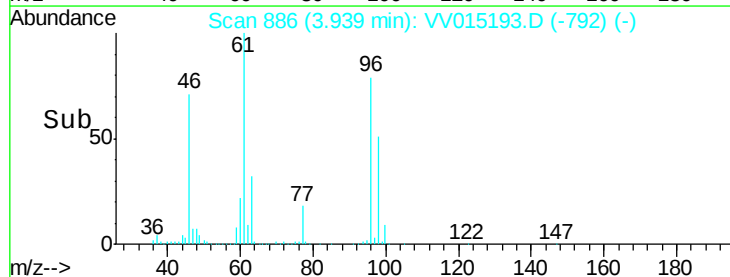
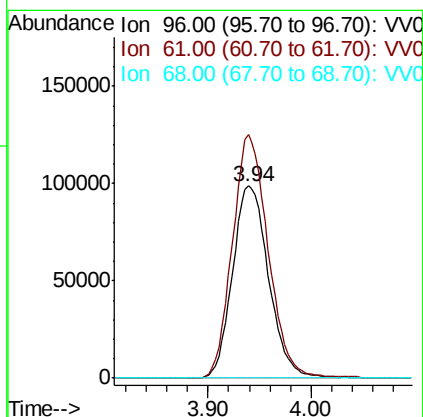
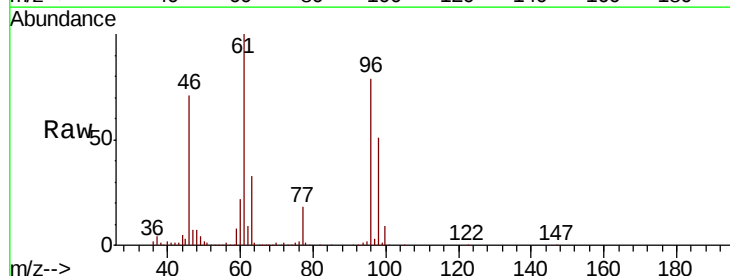
Instrument :
 MSVOA_V
 ClientSampleId :

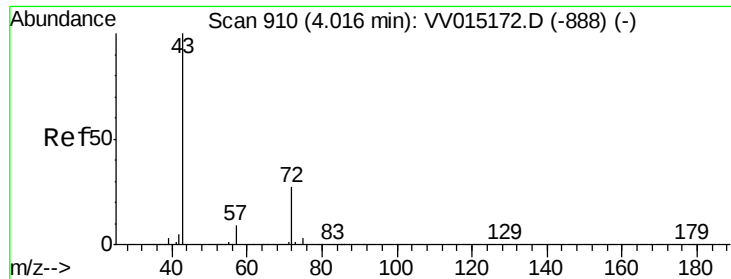
Tot Ion:	63	Resp:	395112
Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.2	41.2
83	13.4	9.6	17.8



#20
 cis-1,2-Dichloroethene
 Concen: 46.089 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015193.D
 Acq: 27 Mar 2020 03:28

Tgt Ion:	96	Resp:	240521
Ion	Ratio	Lower	Upper
96	100		
61	126.9	90.2	167.4
68	0.1	0.1	0.3





#22

2-Butanone

Concen: 86.929 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

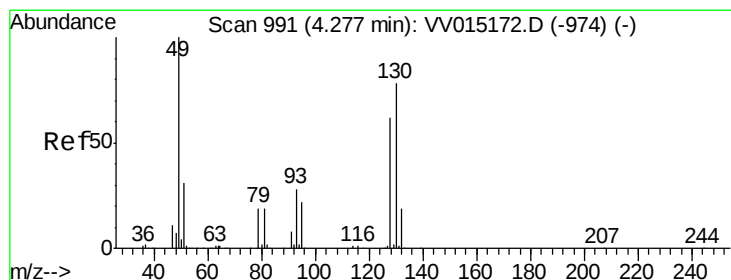
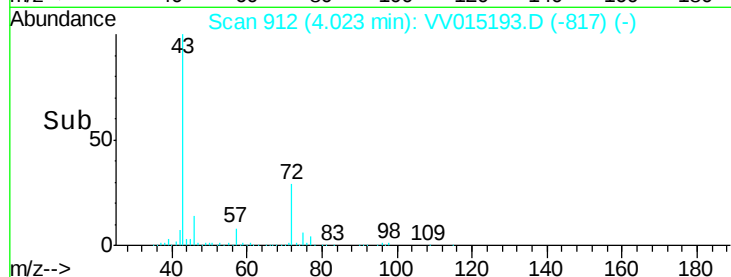
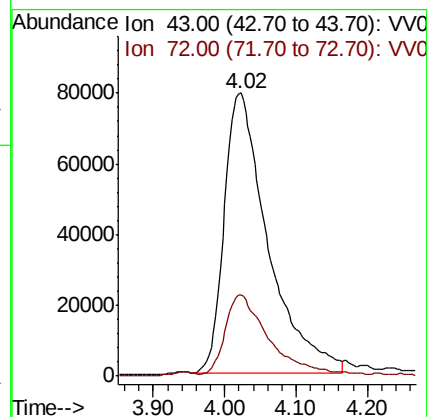
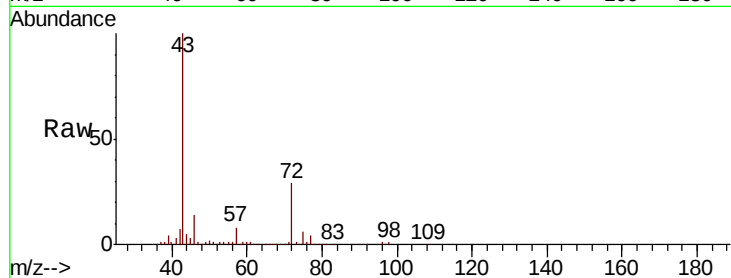
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 337726

Ion Ratio Lower Upper

43 100

72 26.8 13.0 38.9



#23

Bromochloromethane

Concen: 46.558 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Tgt Ion:128 Resp: 117546

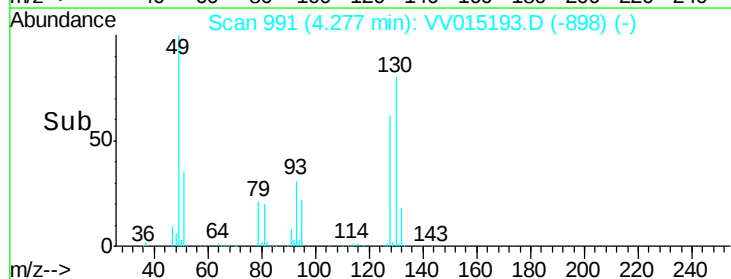
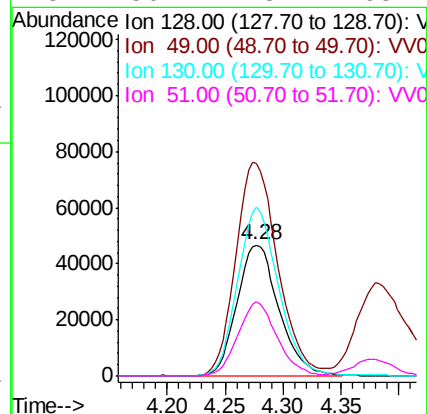
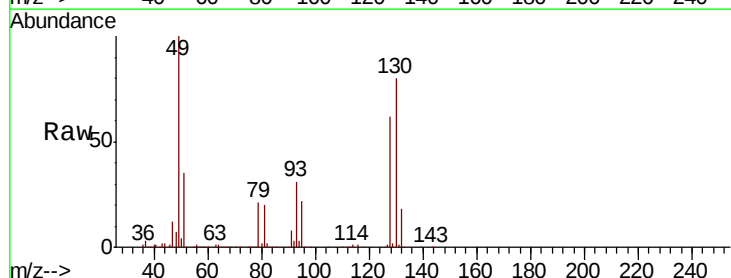
Ion Ratio Lower Upper

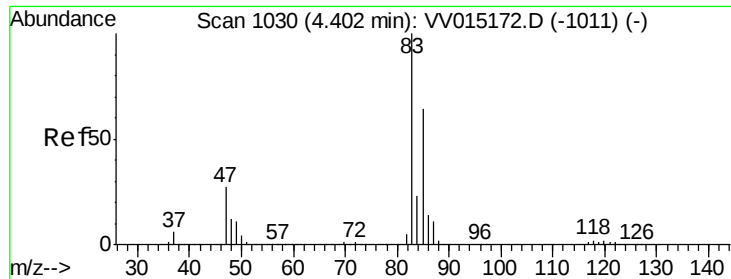
128 100

49 162.6 116.5 216.3

130 129.4 91.4 169.8

51 56.4 43.4 65.2

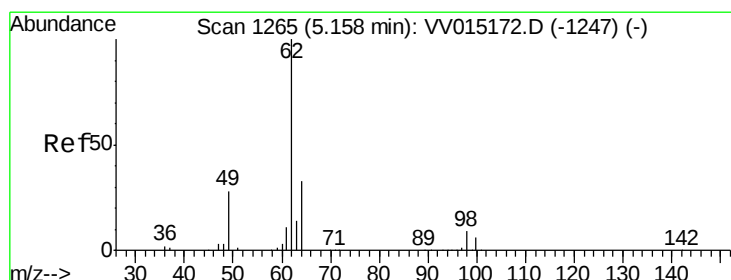
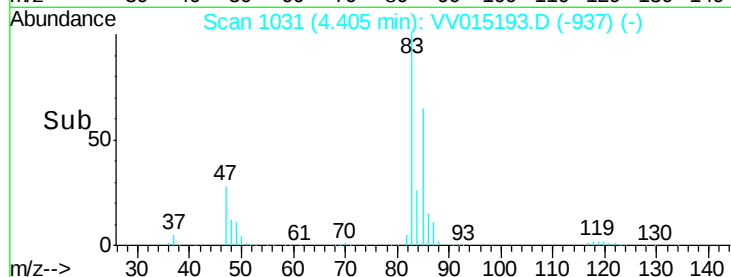
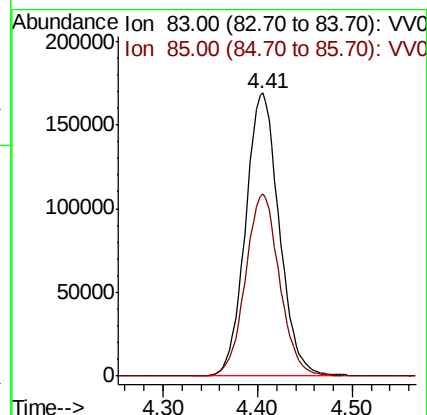
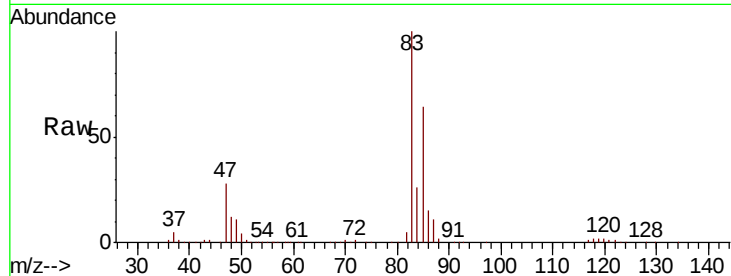




#25
Chloroform
Concen: 46.710 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

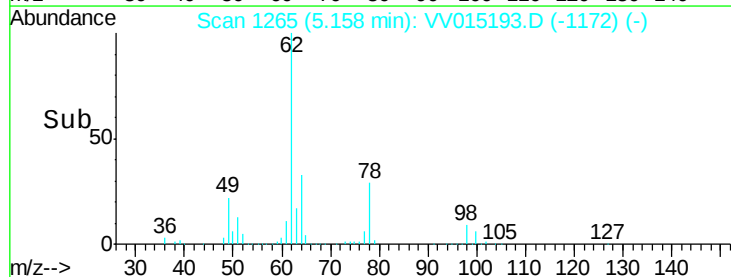
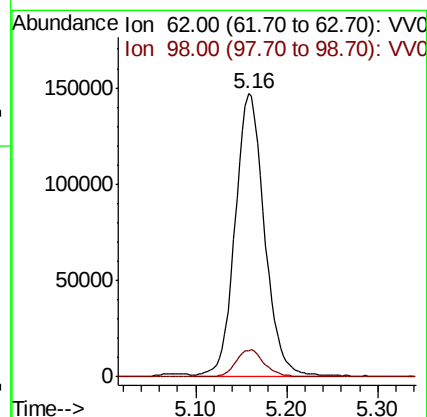
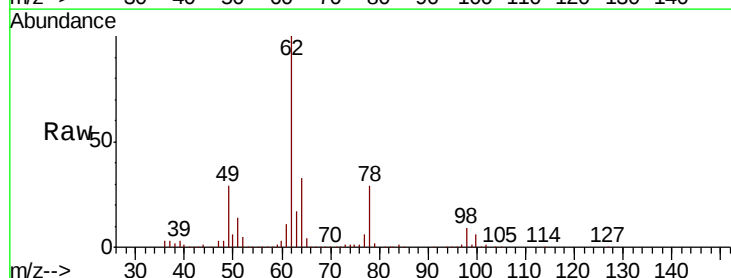
Instrument :
MSVOA_V
ClientSampleId :

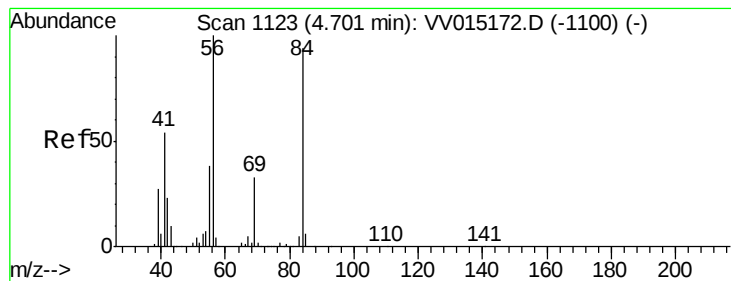
Tot Ion: 83 Resp: 416420
Ion Ratio Lower Upper
83 100
85 64.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 46.371 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

Tgt Ion: 62 Resp: 327745
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.2





#29

Cvclohexane

Concen: 44.997 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :
MSVOA_V
ClientSampleId :

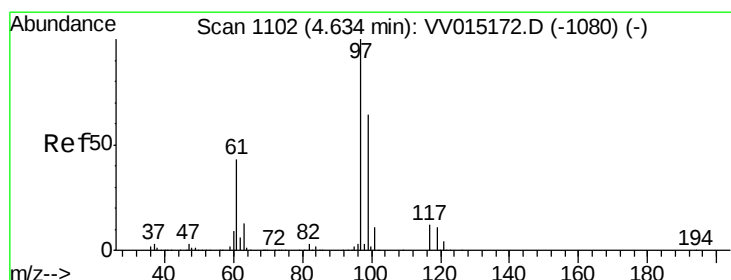
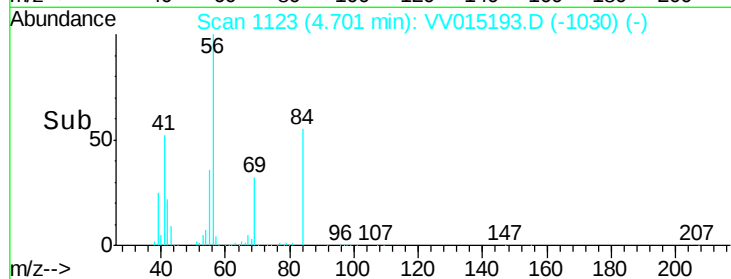
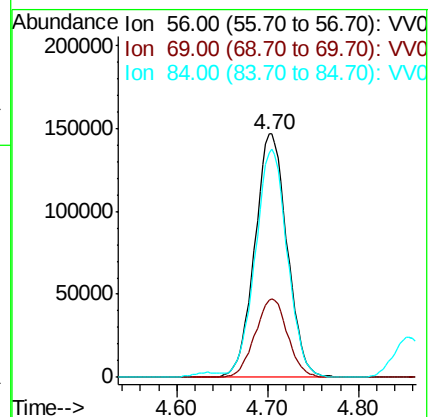
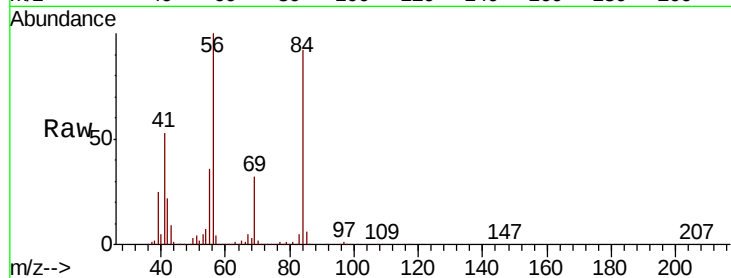
Tot Ion: 56 Resp: 361073

Ion Ratio Lower Upper

56 100

69 32.1 25.5 38.3

84 92.6 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 46.057 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

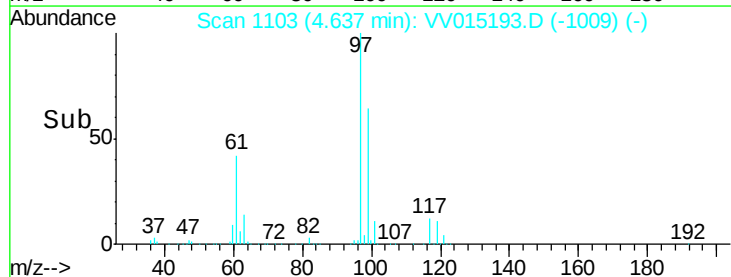
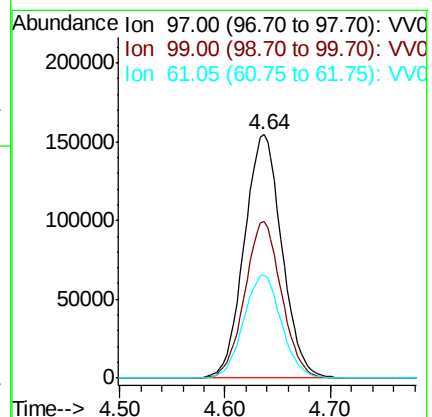
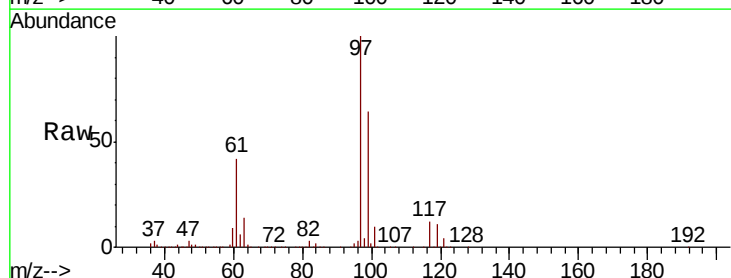
Tgt Ion: 97 Resp: 382401

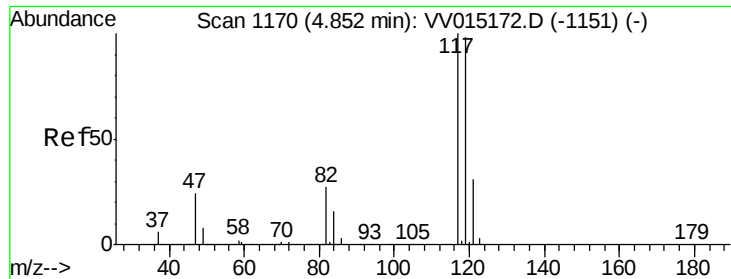
Ion Ratio Lower Upper

97 100

99 63.1 51.0 76.6

61 42.5 33.8 50.6





#31

Carbon tetrachloride

Concen: 45.921 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :

MSVOA_V

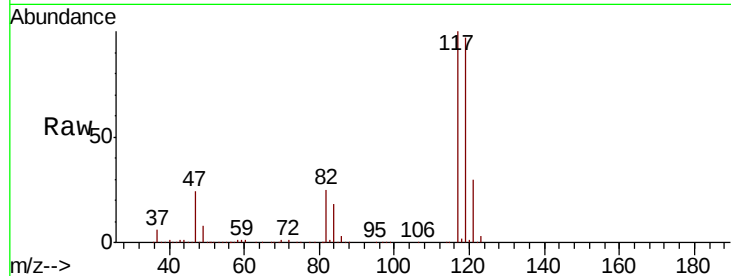
ClientSampled :

Tot Ion:117 Resp: 320480

Ion Ratio Lower Upper

117 100

119 97.0 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

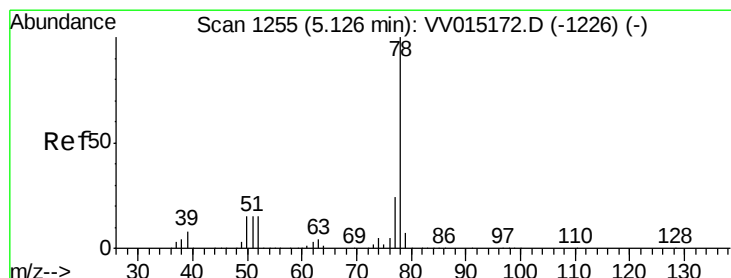
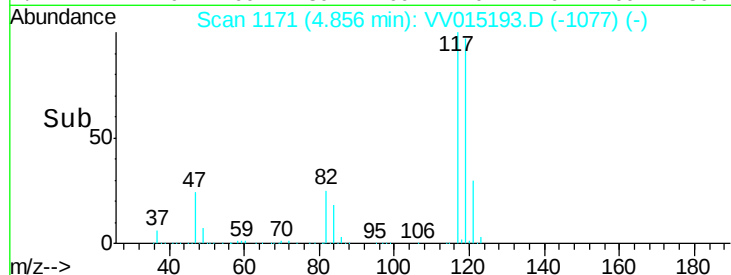
100000

50000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 46.189 ug/L

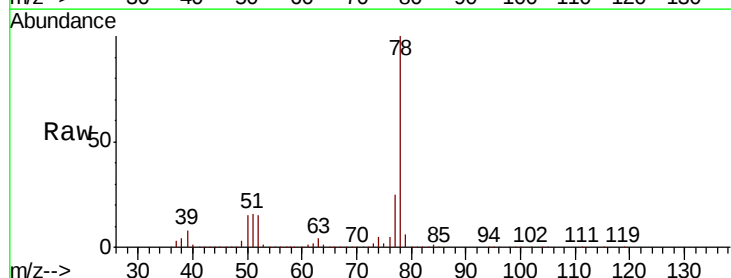
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Tgt Ion: 78 Resp: 901570



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

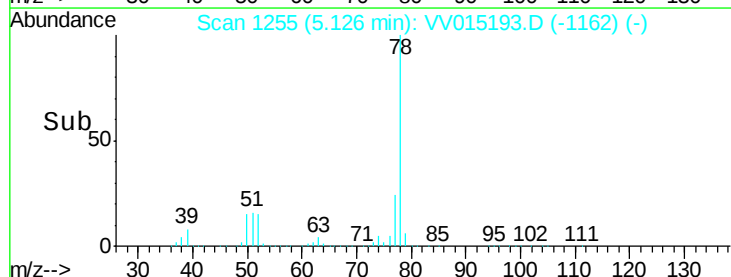
200000

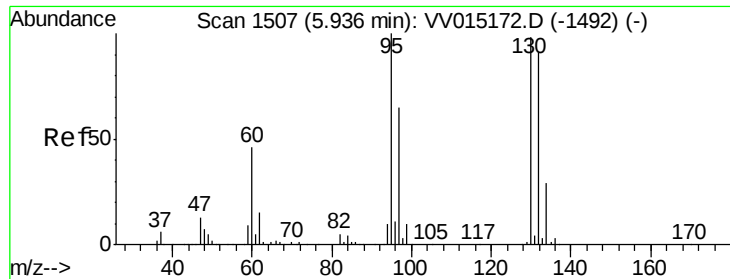
100000

0

5.00 5.10 5.20

Time-->

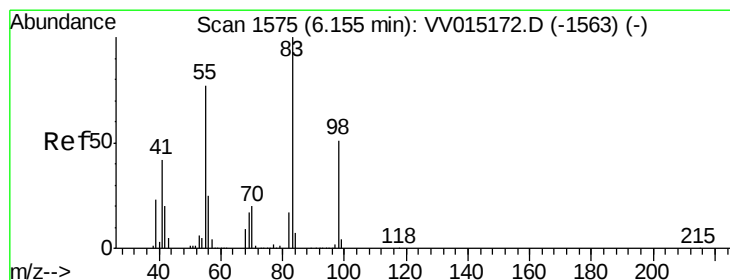
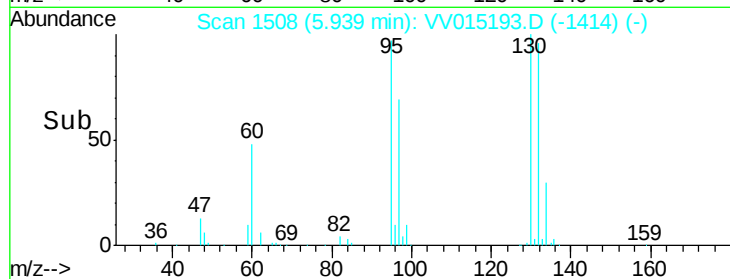
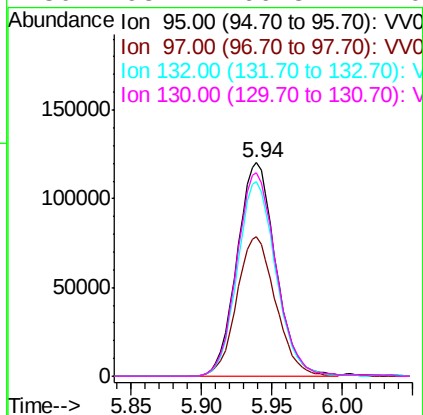
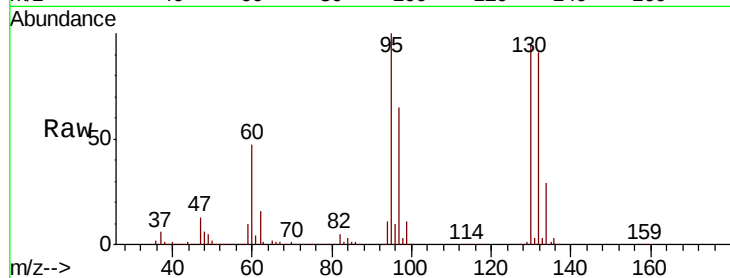




#34
 Trichloroethene
 Concen: 45.588 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015193.D
 Acq: 27 Mar 2020 03:28

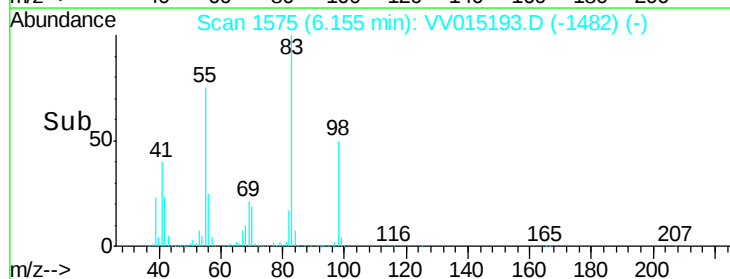
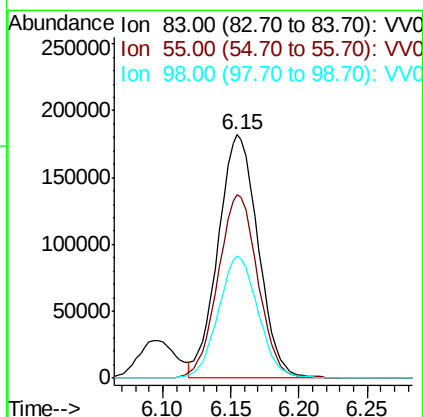
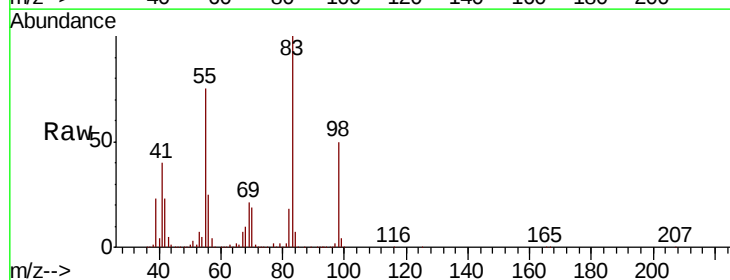
Instrument :
 MSVOA_V
 ClientSampled :

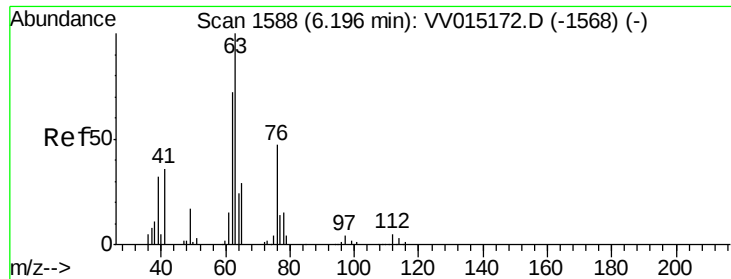
Tot Ion: 95 Resp: 231803
 Ion Ratio Lower Upper
 95 100
 97 65.4 44.8 83.2
 132 91.2 63.2 117.4
 130 95.4 66.8 124.0



#35
 Methylcyclohexane
 Concen: 43.971 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015193.D
 Acq: 27 Mar 2020 03:28

Tgt Ion: 83 Resp: 371554
 Ion Ratio Lower Upper
 83 100
 55 73.9 58.8 88.2
 98 49.6 38.8 58.2

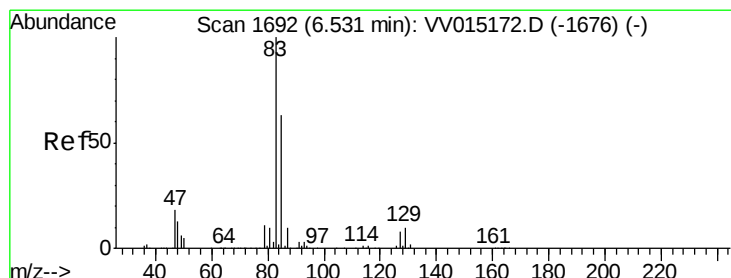
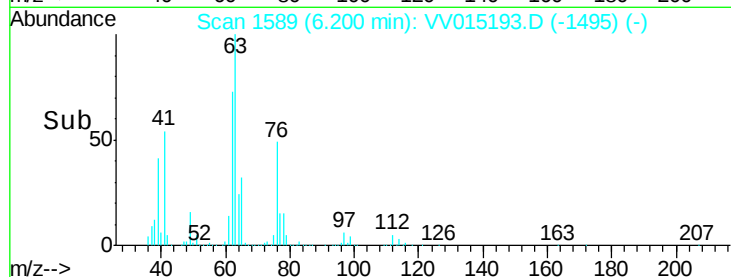
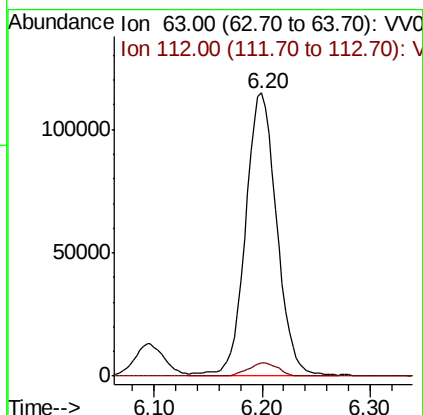
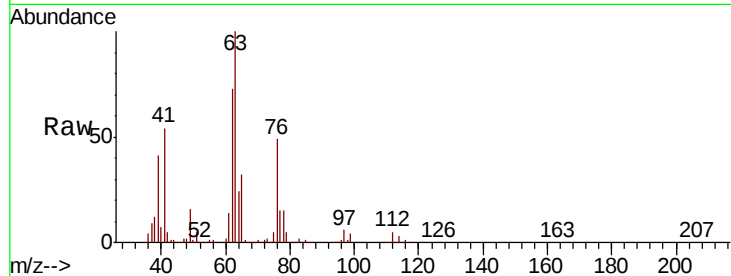




#37
 1,2-Dichloropropane
 Concen: 46.170 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015193.D
 Acq: 27 Mar 2020 03:28

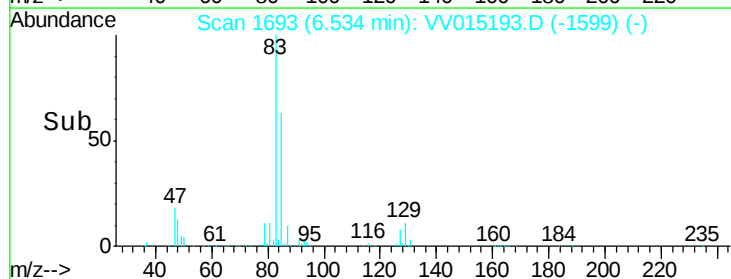
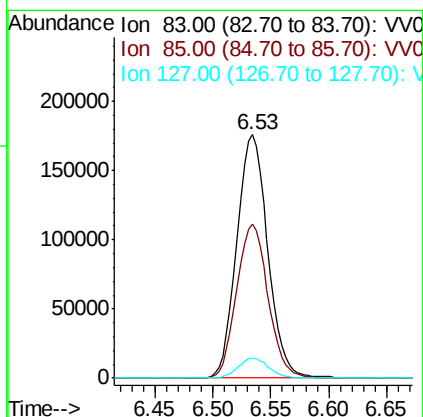
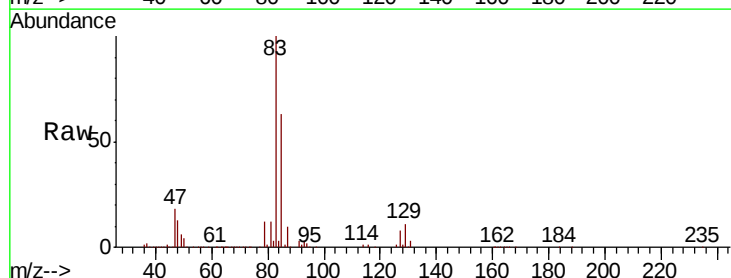
Instrument :
 MSVOA_V
 ClientSampleId :

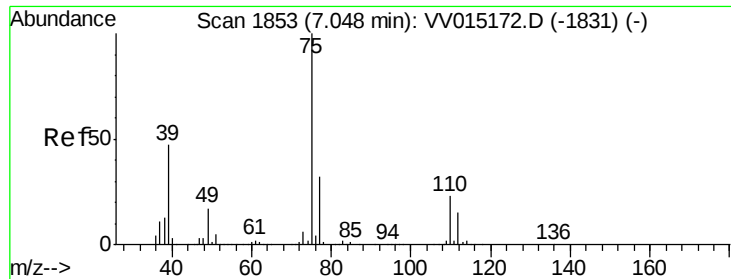
Tot Ion: 63 Resp: 230419
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 46.201 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015193.D
 Acq: 27 Mar 2020 03:28

Tgt Ion: 83 Resp: 326770
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.3 84.1
 127 8.3 6.6 10.0

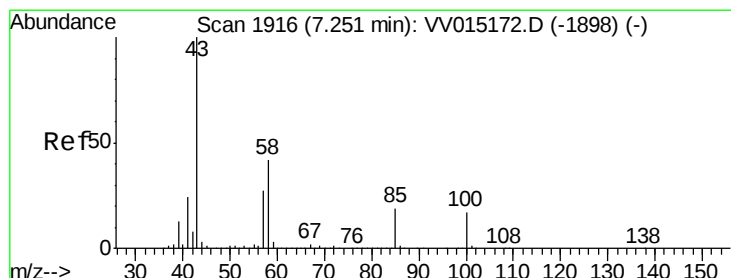
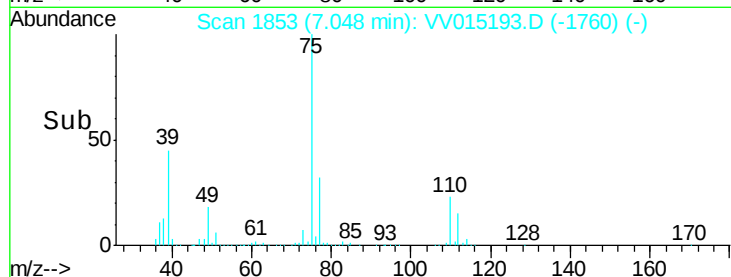
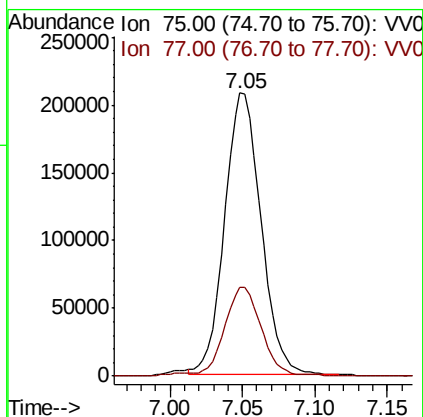
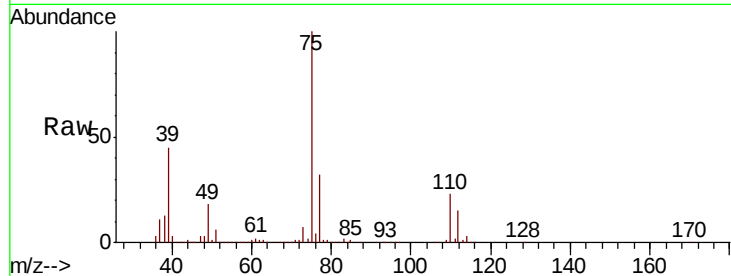




#39
 cis-1,3-Dichloropropene
 Concen: 43.691 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015193.D
 Acq: 27 Mar 2020 03:28

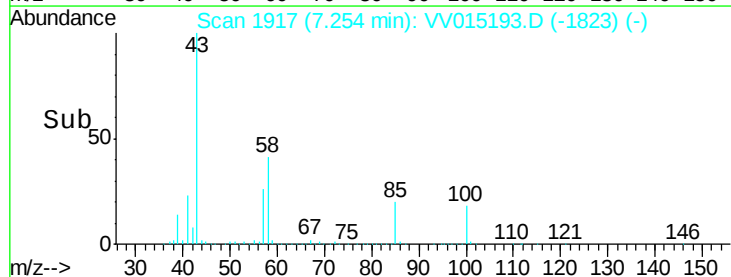
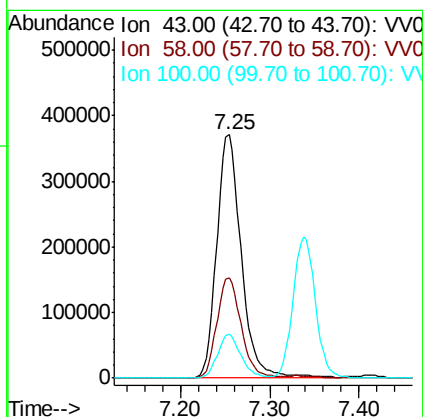
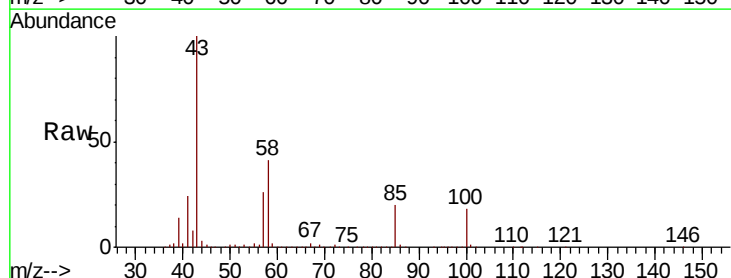
Instrument :
 MSVOA_V
 ClientSampleId :

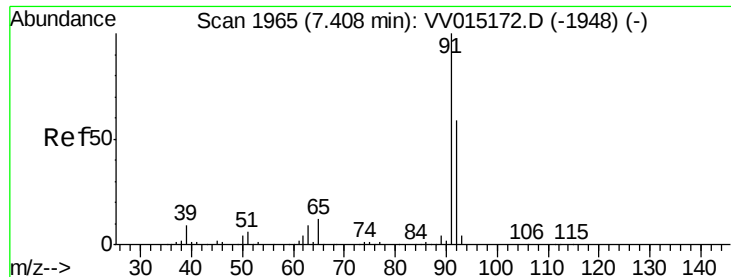
Tot Ion: 75 Resp: 364462
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 93.785 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015193.D
 Acq: 27 Mar 2020 03:28

Tgt Ion: 43 Resp: 705824
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.5 48.7
 100 17.1 13.4 20.2





#42

Toluene

Concen: 46.526 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

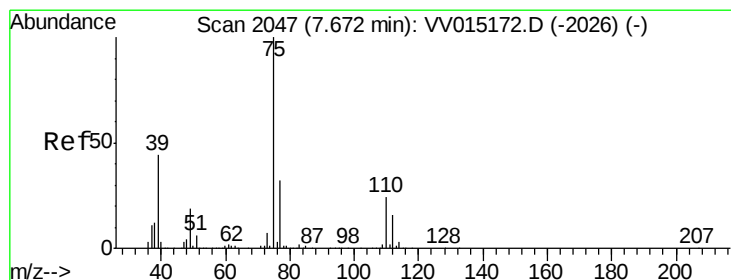
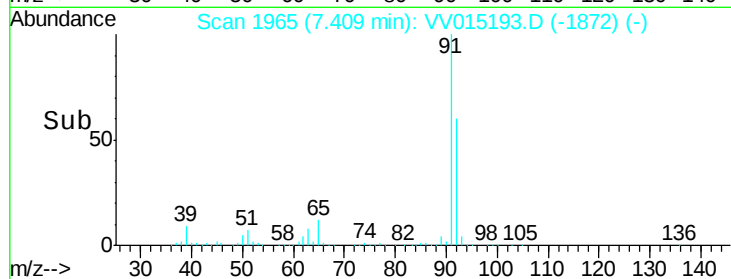
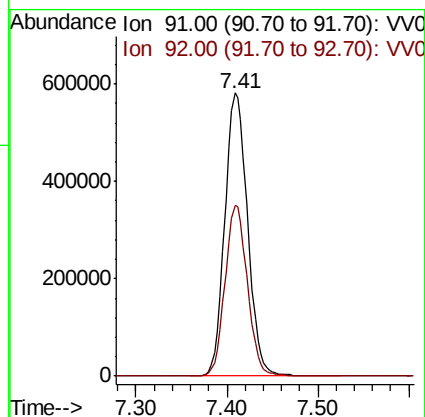
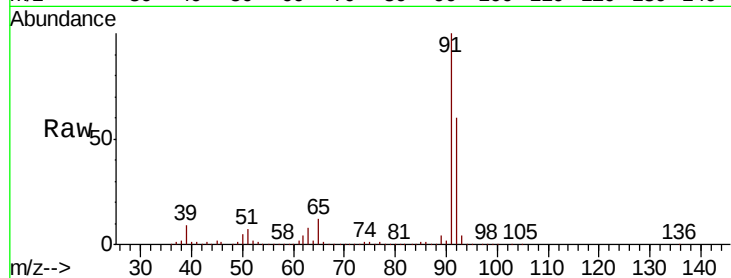
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1013163

Ion Ratio Lower Upper

91 100

92 60.3 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 45.033 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015193.D

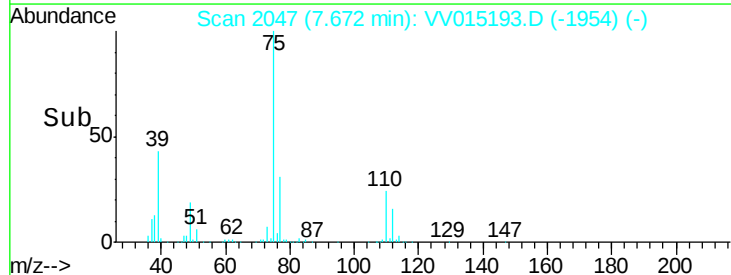
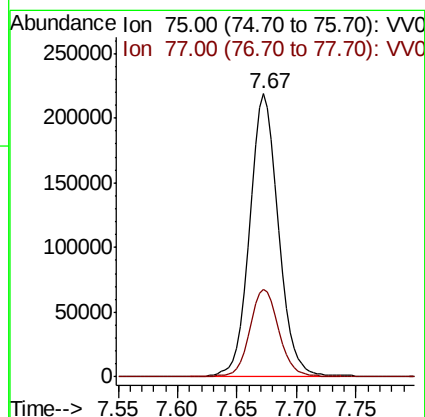
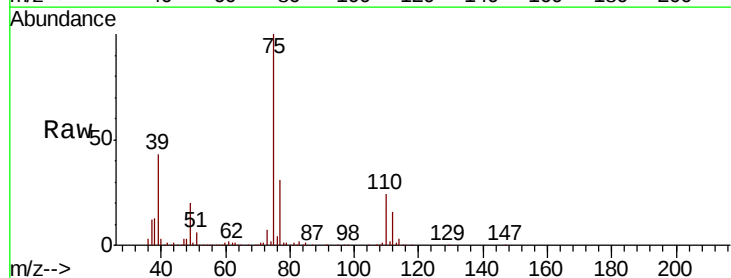
Acq: 27 Mar 2020 03:28

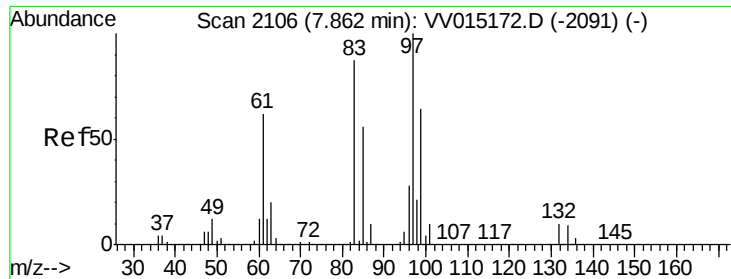
Tgt Ion: 75 Resp: 366771

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3

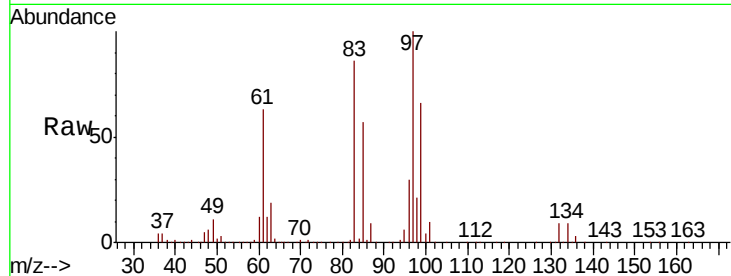




#45
1,1,2-Trichloroethane
Concen: 47.056 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

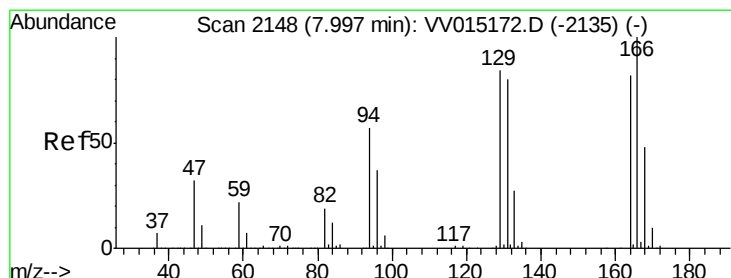
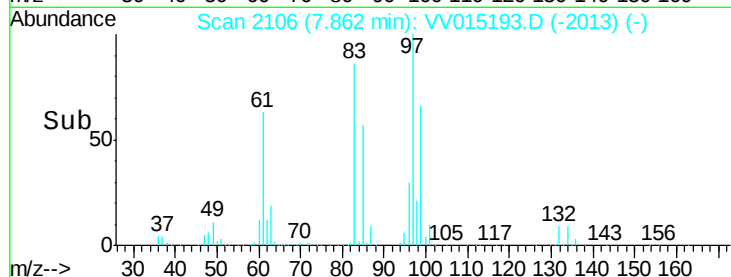
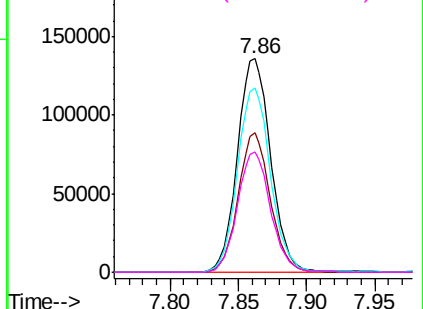
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	229888
Ion	Ratio	Lower	Upper
97	100		
99	65.6	44.3	82.3
83	86.2	60.5	112.5
85	56.6	39.1	72.5



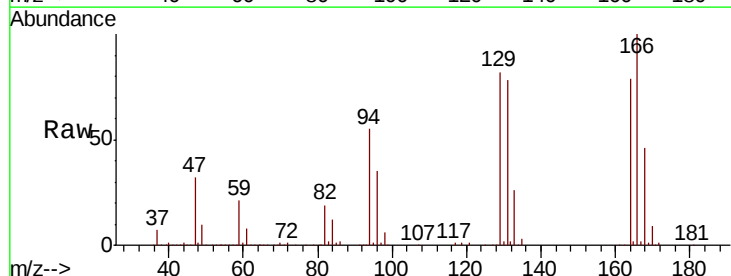
Abundance

Ion 97.00 (96.70 to 97.70): VV015193.D (-2013) (-)



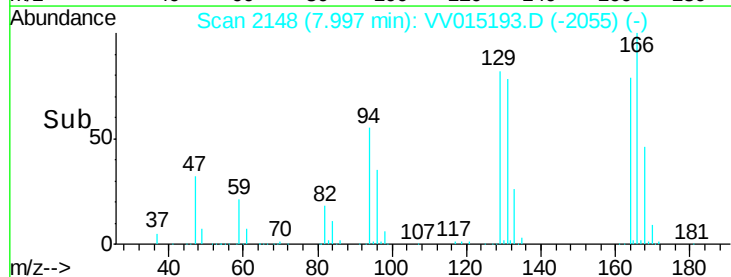
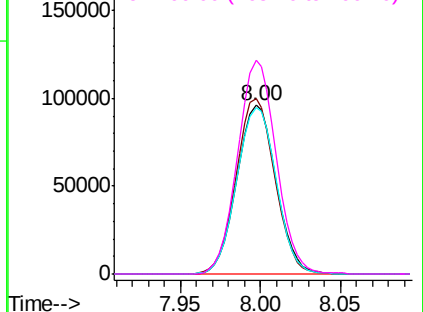
#46
Tetrachloroethene
Concen: 46.977 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

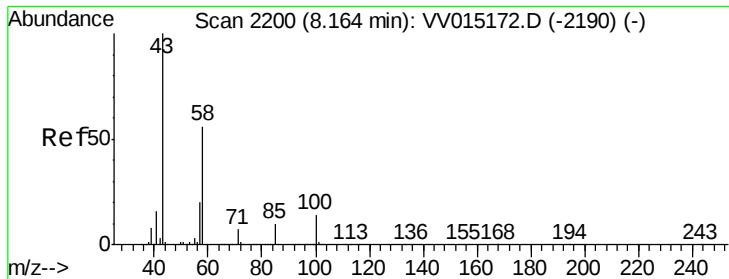
Tgt Ion:	164	Resp:	160526
Ion	Ratio	Lower	Upper
164	100		
129	104.4	72.7	135.1
131	98.6	71.6	133.0
166	126.9	88.8	165.0



Abundance

Ion 164.00 (163.70 to 164.70): VV015193.D (-2055) (-)

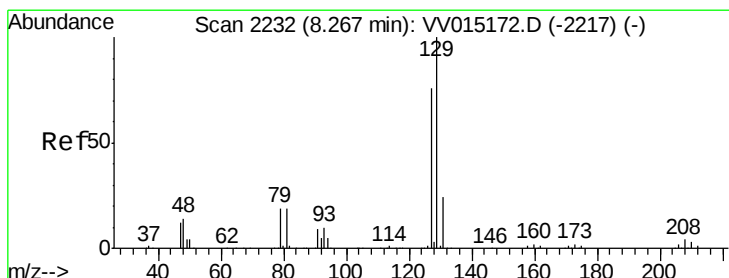
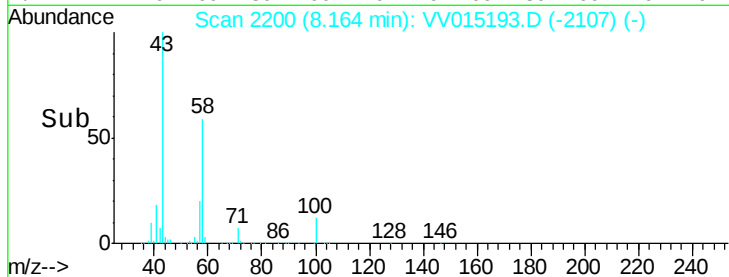
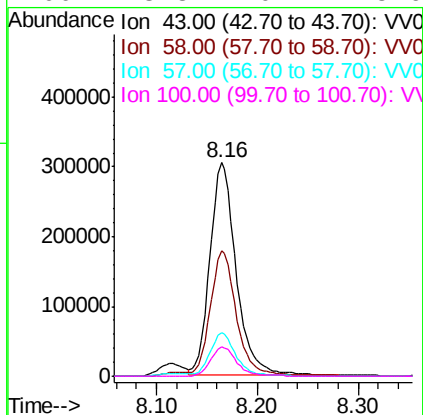
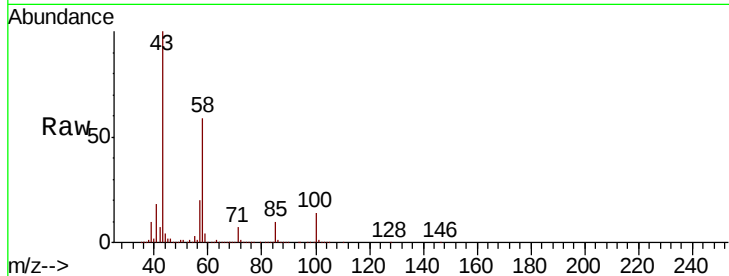




#48
2-Hexanone
Concen: 92.693 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

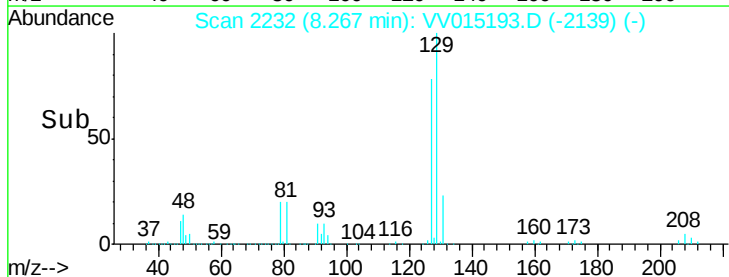
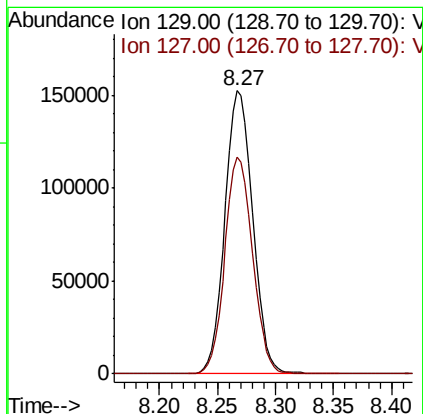
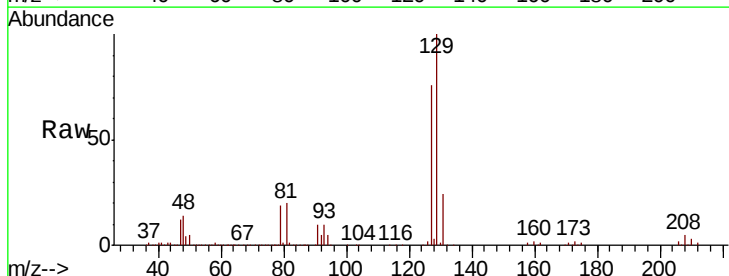
Instrument :
MSVOA_V
ClientSampleId :

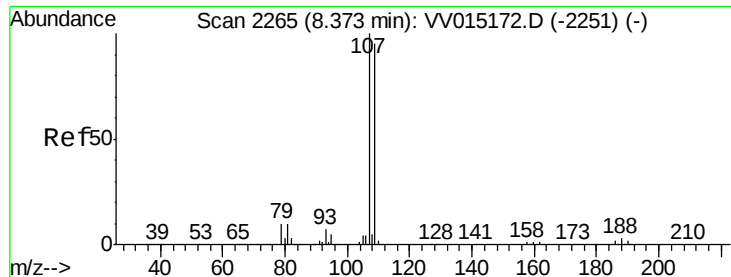
Tot Ion: 43 Resp: 550878
Ion Ratio Lower Upper
43 100
58 57.2 44.3 66.5
57 18.8 15.4 23.0
100 13.8 10.4 15.6



#49
Dibromochloromethane
Concen: 47.398 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

Tgt Ion: 129 Resp: 255130
Ion Ratio Lower Upper
129 100
127 76.5 52.4 97.4

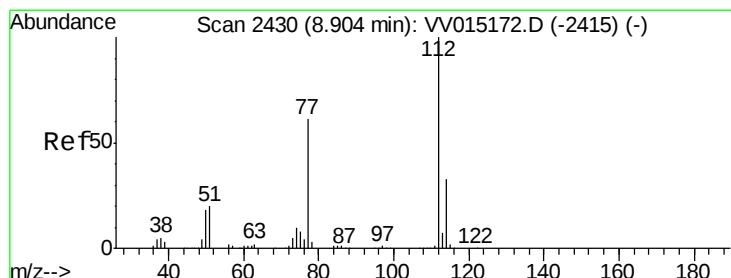
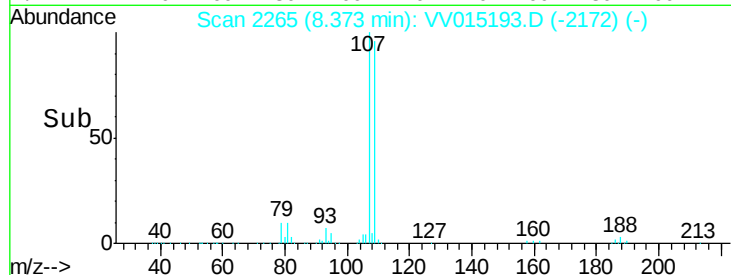
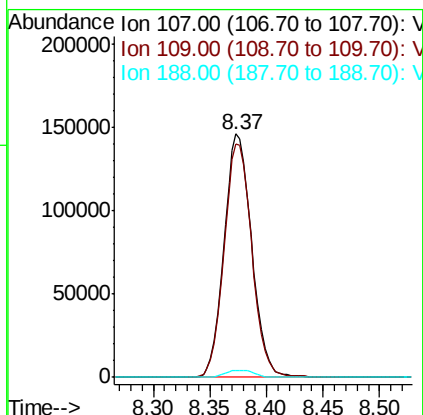
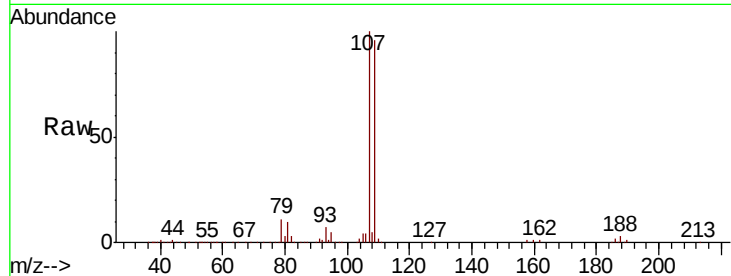




#50
1,2-Dibromoethane
Concen: 46.790 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

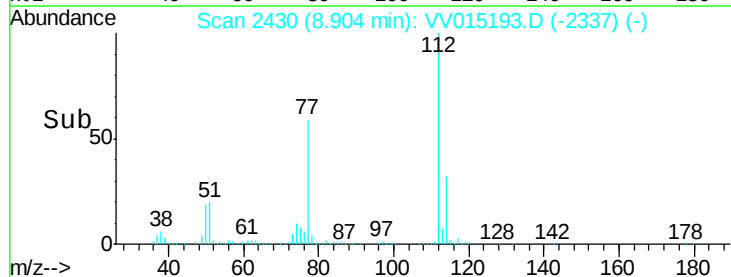
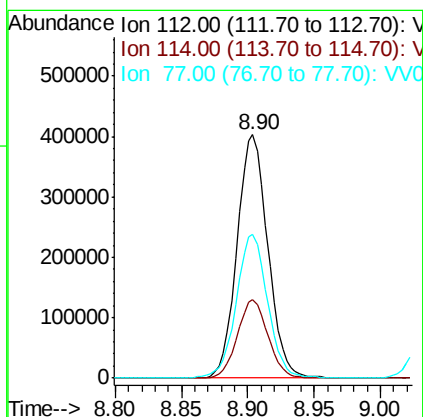
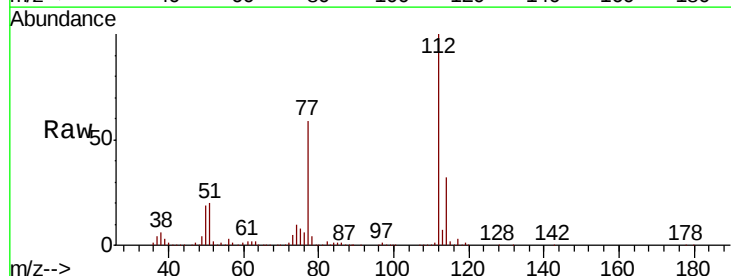
Instrument :
MSVOA_V
ClientSampleId :

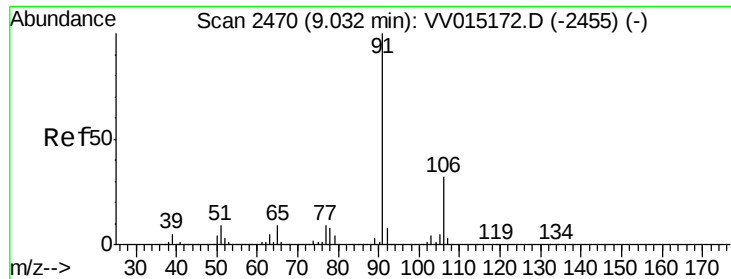
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	64.5	119.9
188	3.0	2.5	3.7



#51
Chlorobenzene
Concen: 46.667 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015193.D
Acq: 27 Mar 2020 03:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.1	41.1
77	59.1	47.3	70.9





#52

Ethylbenzene

Concen: 46.338 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

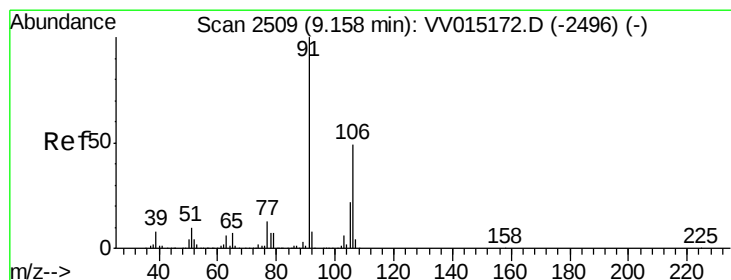
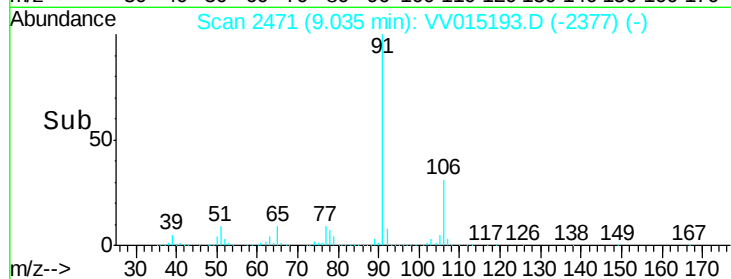
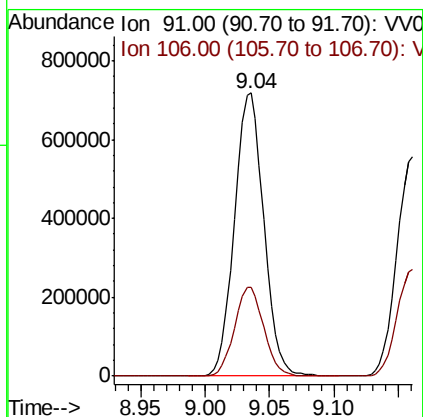
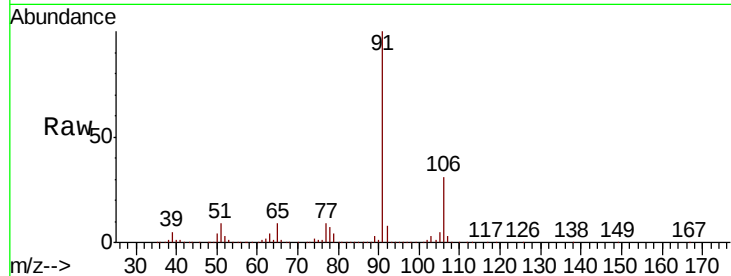
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1136875

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



#53

m,p-Xylene

Concen: 46.652 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015193.D

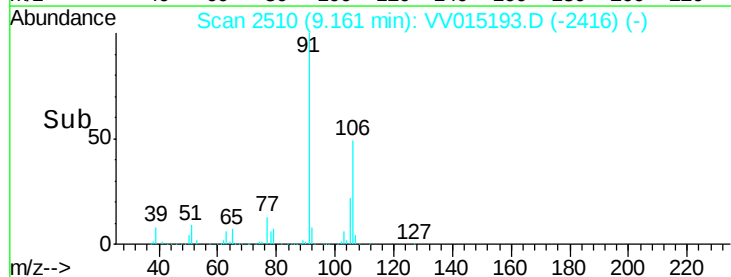
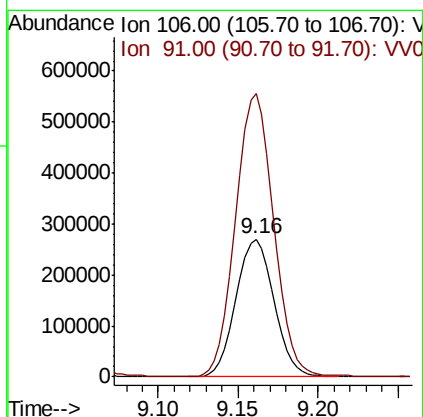
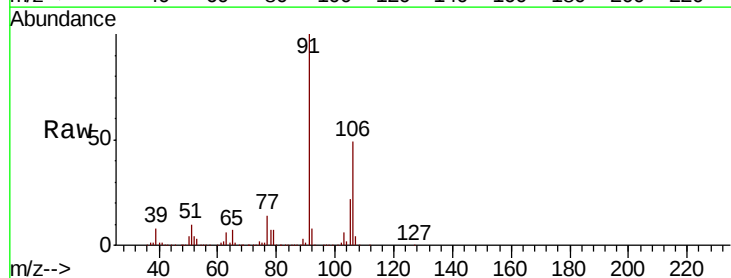
Acq: 27 Mar 2020 03:28

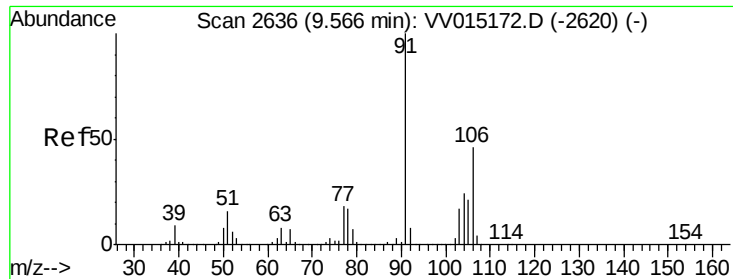
Tgt Ion: 106 Resp: 436672

Ion Ratio Lower Upper

106 100

91 205.5 142.3 264.3





#54

o-xylene

Concen: 46.520 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :

MSVOA_V

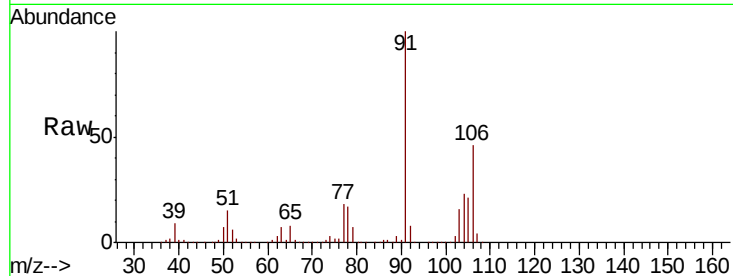
ClientSampled :

Tot Ion:106 Resp: 437356

Ion Ratio Lower Upper

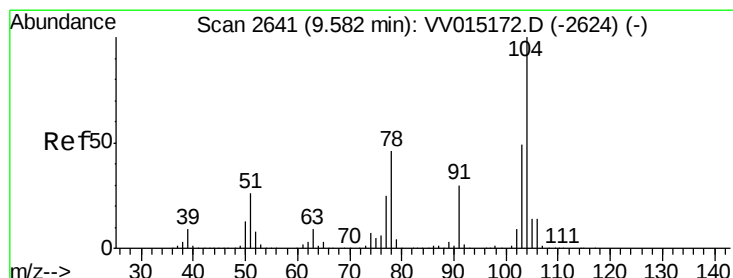
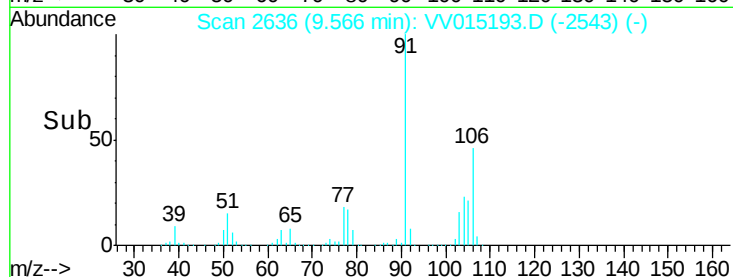
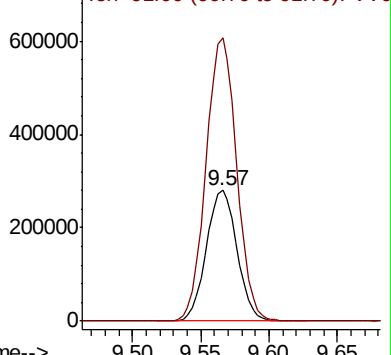
106 100

91 216.0 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 47.023 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015193.D

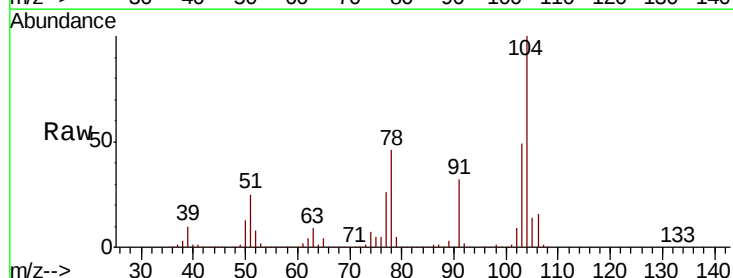
Acq: 27 Mar 2020 03:28

Tgt Ion:104 Resp: 747966

Ion Ratio Lower Upper

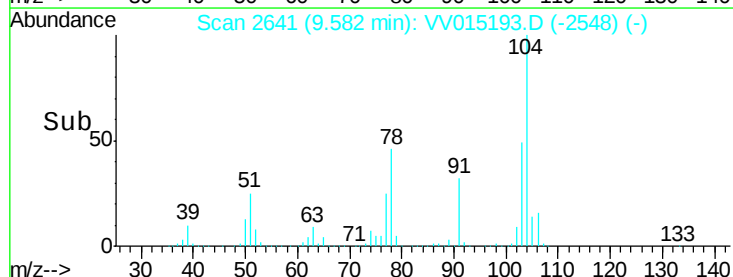
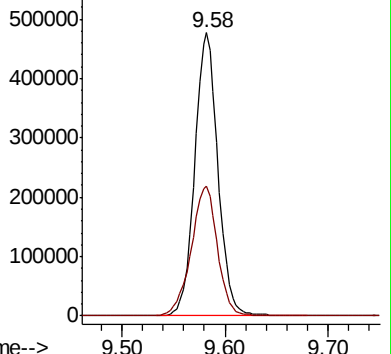
104 100

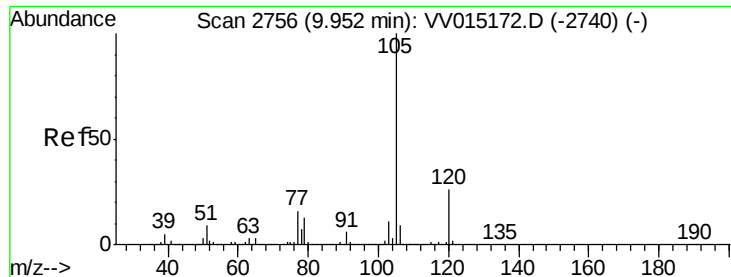
78 45.8 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 46.837 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :

MSVOA_V

ClientSampleId :

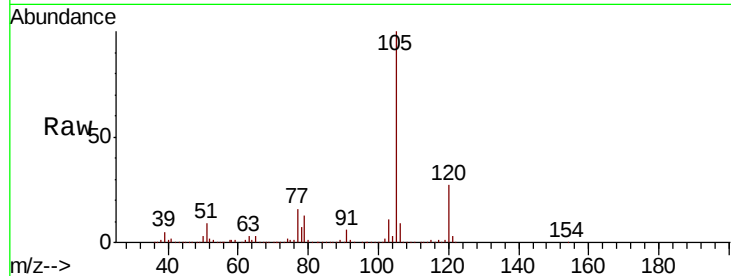
Tot Ion:105 Resp: 1130505

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

77 16.0 12.9 19.3

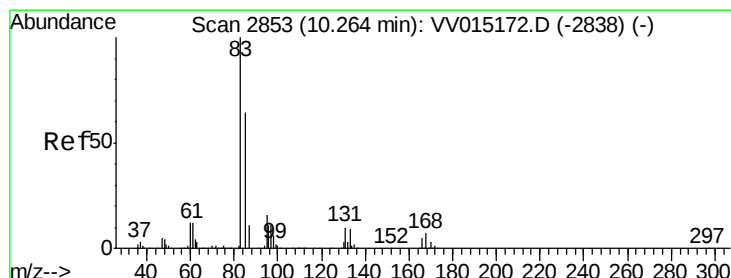
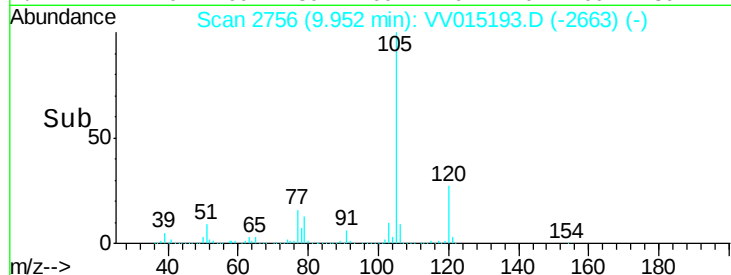


Abundance Ion 105.00 (104.70 to 105.70): VV015193.D (-2663) (-)

Ion 120.00 (119.70 to 120.70): VV015193.D (-2663) (-)

Ion 77.00 (76.70 to 77.70): VV015193.D (-2663) (-)

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 46.608 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

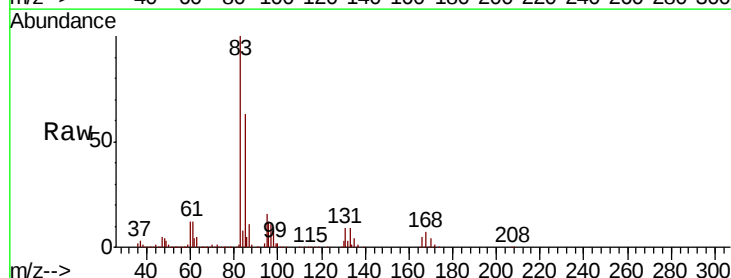
Tgt Ion: 83 Resp: 383809

Ion Ratio Lower Upper

83 100

85 63.1 43.7 81.1

131 9.2 7.8 11.8

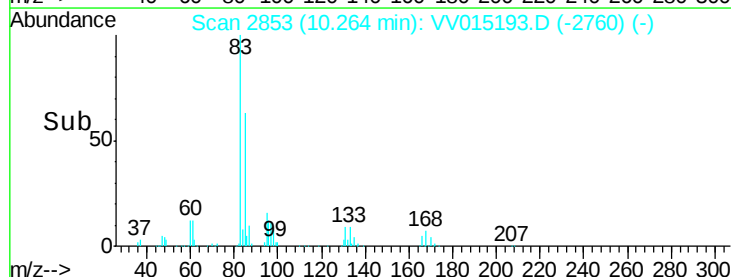


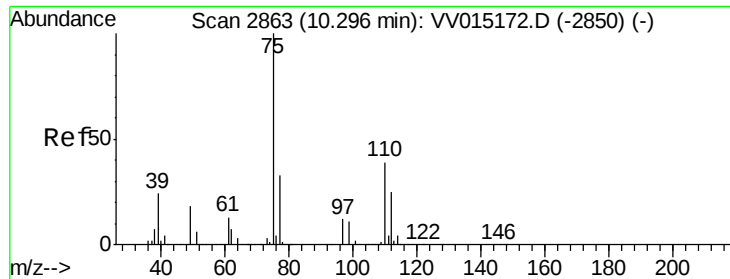
Abundance Ion 83.00 (82.70 to 83.70): VV015193.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV015193.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV015193.D (-2760) (-)

Time-->





#59

1,2,3-Trichloropropane

Concen: 47.022 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :

MSVOA_V

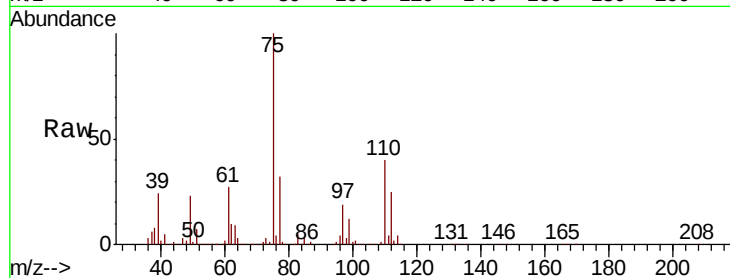
ClientSampleId :

Tot Ion: 75 Resp: 311744

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV015172.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV015172.D (-2850) (-)

10.30

200000

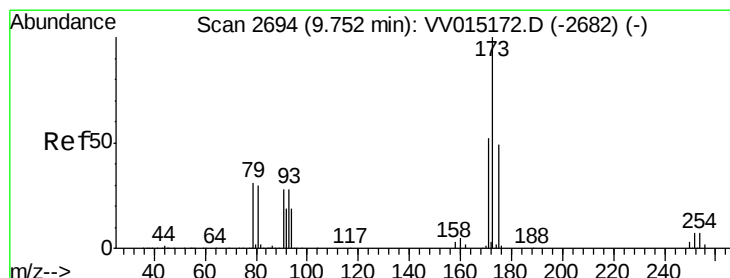
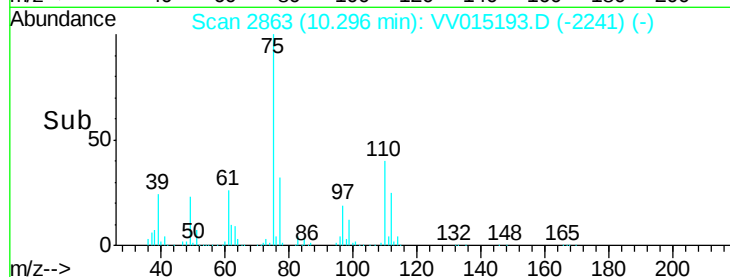
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 45.980 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

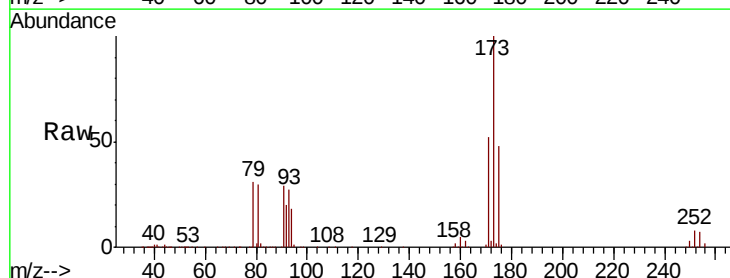
Tgt Ion: 173 Resp: 161865

Ion Ratio Lower Upper

173 100

175 48.6 38.4 57.6

254 7.4 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): VV015172.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015172.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015172.D (-2682) (-)

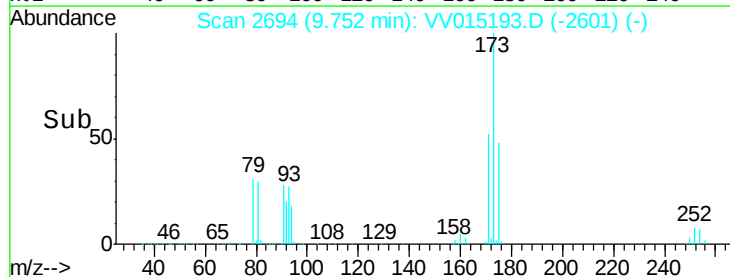
9.75

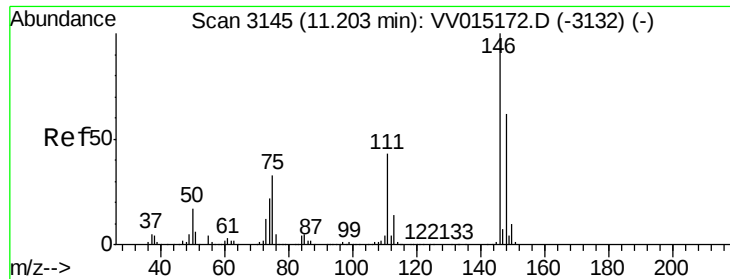
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 46.394 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

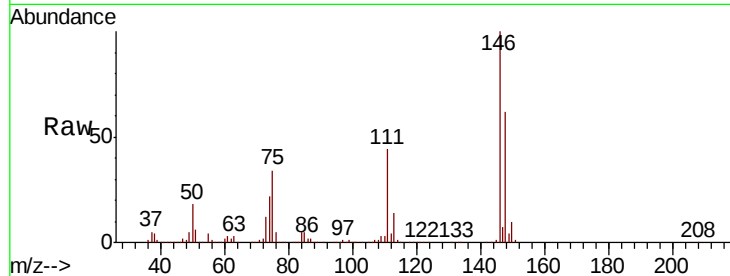
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 475308

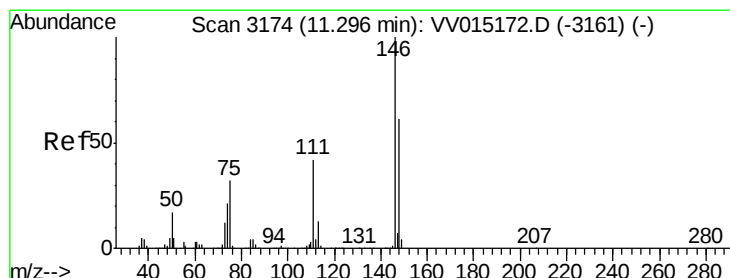
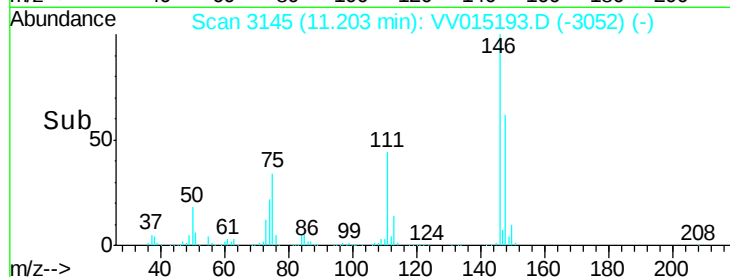
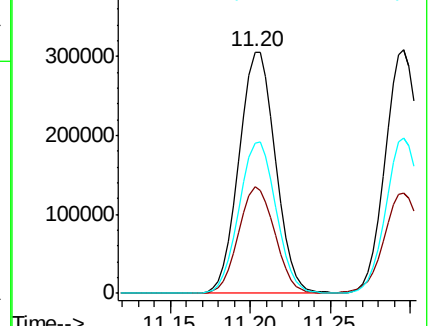
Ion	Ratio	Lower	Upper
146	100		
111	44.0	30.5	56.7
148	62.3	44.0	81.6



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: 46.156 ug/L

RT: 11.30 min Scan# 3174

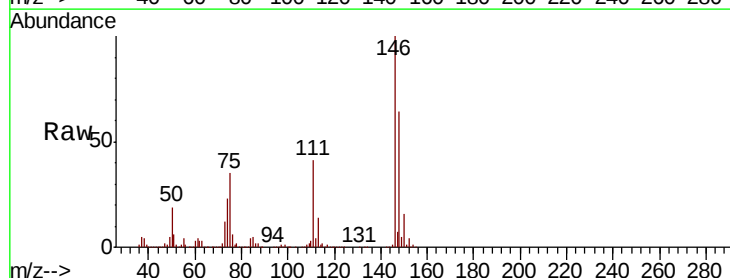
Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Tgt Ion:146 Resp: 477679

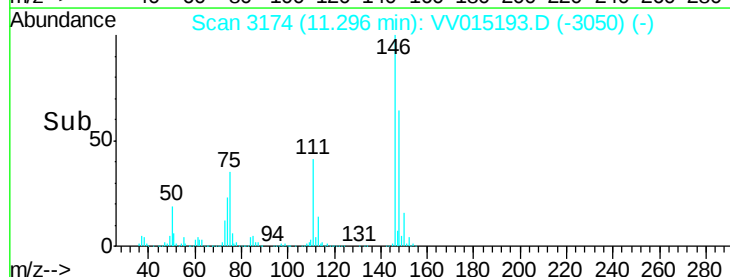
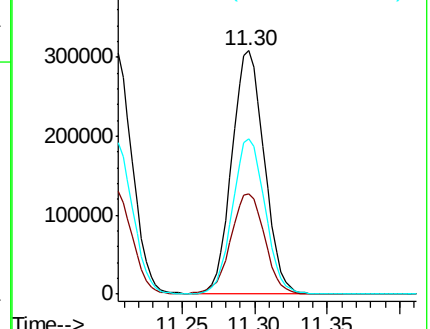
Ion	Ratio	Lower	Upper
146	100		
111	41.3	29.2	54.2
148	64.0	44.8	83.2

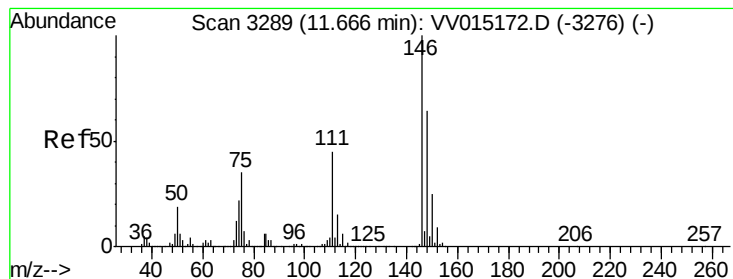


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.074 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :

MSVOA_V

ClientSampleId :

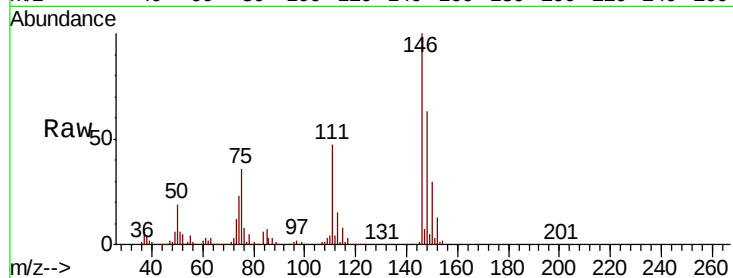
Tot Ion:146 Resp: 478580

Ion Ratio Lower Upper

146 100

111 46.7 35.4 53.2

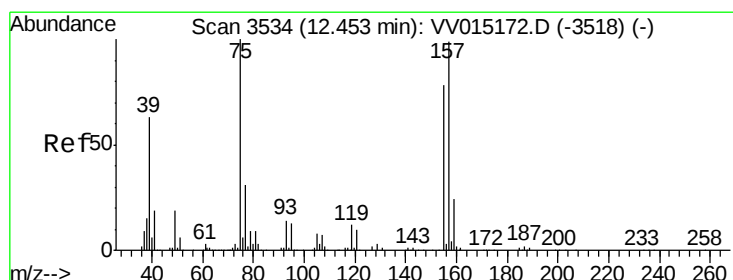
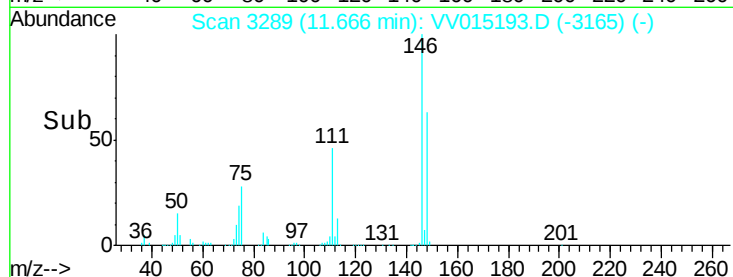
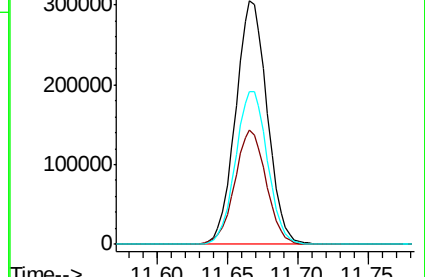
148 62.7 49.7 74.5



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: 45.169 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

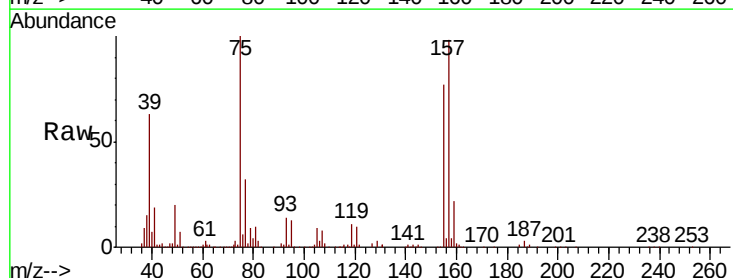
Tgt Ion: 75 Resp: 104239

Ion Ratio Lower Upper

75 100

155 77.1 60.5 90.7

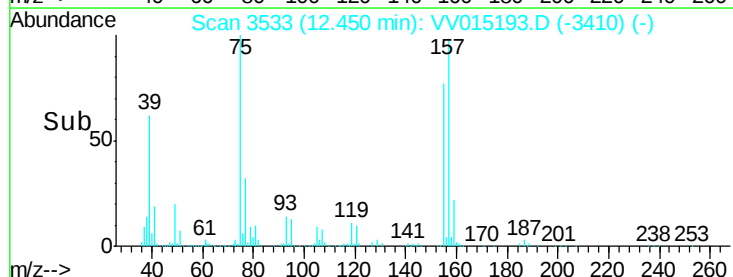
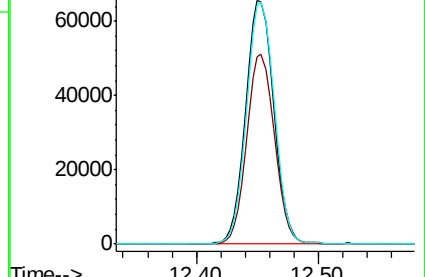
157 97.8 76.7 115.1

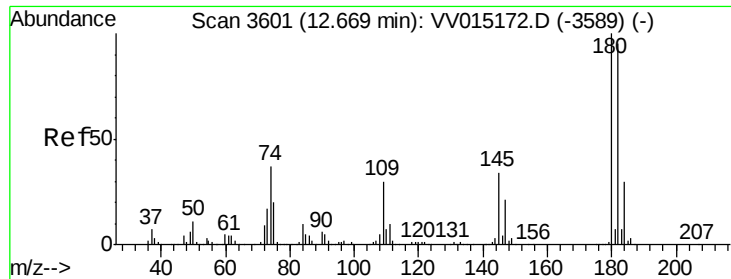


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

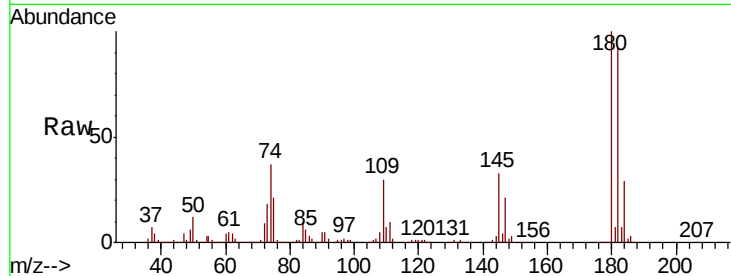




#67
 1,3,5-Trichlorobenzene
 Concen: 46.520 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015193.D
 Acq: 27 Mar 2020 03:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.6	114.8
184	29.7	24.2	36.4
145	33.8	27.6	41.4



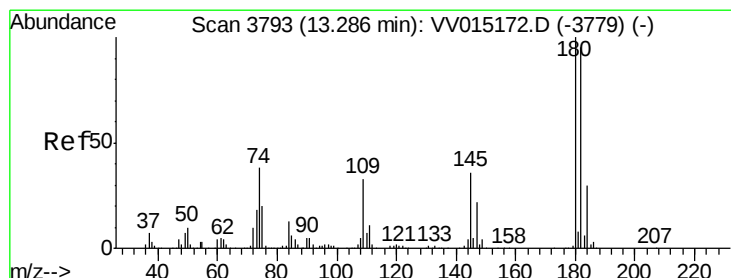
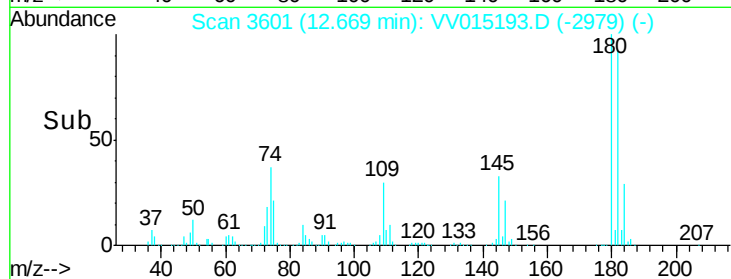
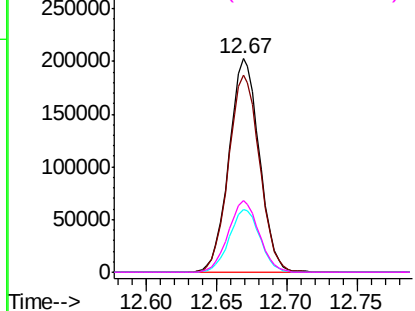
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

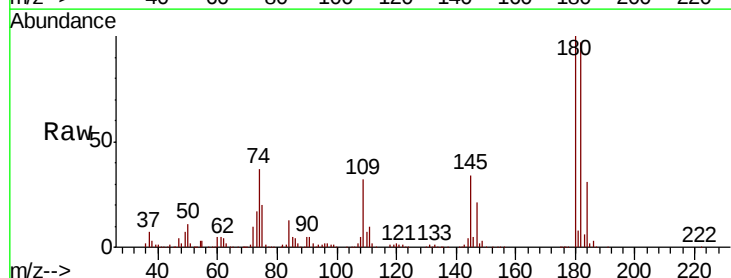
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.391 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015193.D
 Acq: 27 Mar 2020 03:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.2	112.8
145	34.2	27.5	41.3

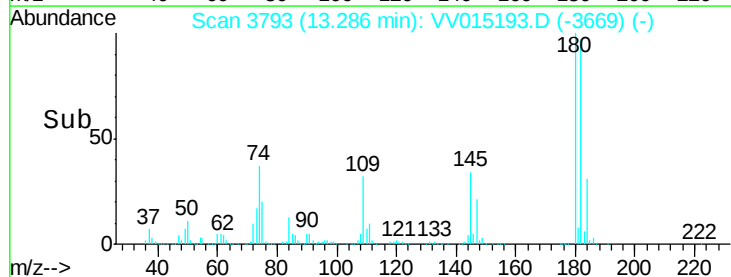
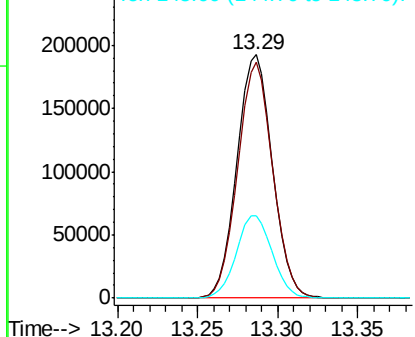


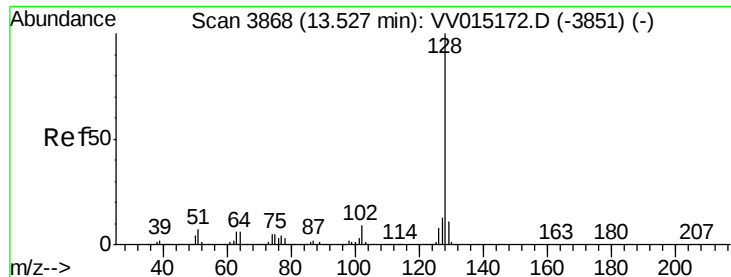
Abundance

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: 47.565 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

Instrument :

MSVOA_V

ClientSampled :

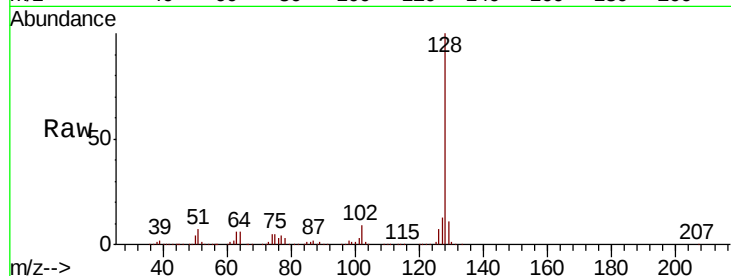
Tot Ion:128 Resp: 1191059

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

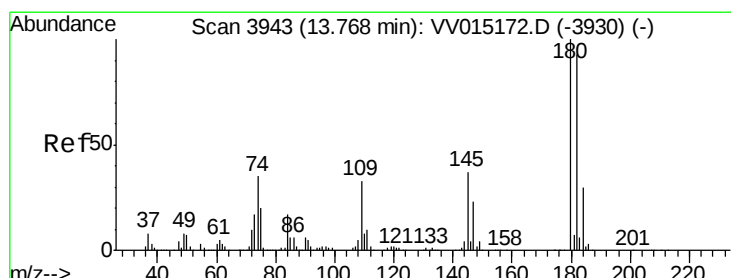
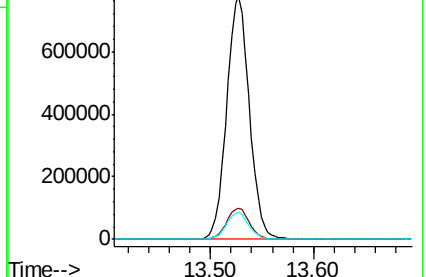
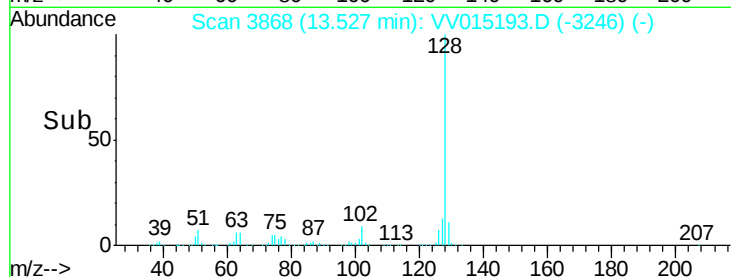
129 11.0 8.6 13.0



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: 46.815 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015193.D

Acq: 27 Mar 2020 03:28

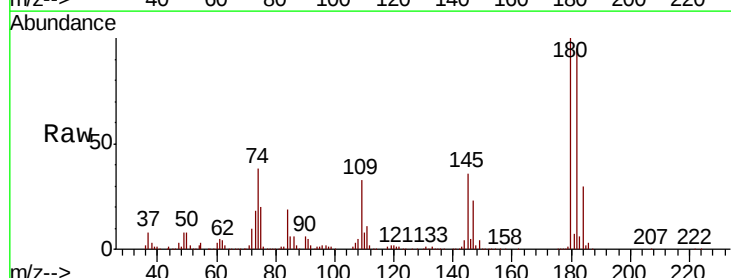
Tgt Ion:180 Resp: 293114

Ion Ratio Lower Upper

180 100

182 95.7 74.6 112.0

145 36.9 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

