

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015332.D
 Acq On : 01 Apr 2020 13:33
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 03:15:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 02:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	767165	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	756231	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	374498	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	292970	42.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.18%
7) Chloroethane-d5	1.58	69	246894	42.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.04%
11) 1,1-Dichloroethene-d2	2.12	63	536318	43.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.24%
21) 2-Butanone-d5	3.93	46	306032	83.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.70%
24) Chloroform-d	4.37	84	476479	41.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.92%
26) 1,2-Dichloroethane-d4	5.05	65	289142	40.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.74%
32) Benzene-d6	5.07	84	953168	40.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.86%
36) 1,2-Dichloropropane-d6	6.09	67	280960	40.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.84%
41) Toluene-d8	7.33	98	940881	42.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.50%
43) trans-1,3-Dichloropropene-	7.64	79	155903	41.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.18%
47) 2-Hexanone-d5	8.11	63	238654	76.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	395565	40.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	355626	41.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	325045	46.852	ug/L	99
3) Chloromethane	1.25	50	295532	45.201	ug/L	100
5) Vinyl chloride	1.32	62	301996	44.097	ug/L	98
6) Bromomethane	1.53	94	201488	44.507	ug/L	99
8) Chloroethane	1.60	64	193288	41.084	ug/L	98
9) Trichlorofluoromethane	1.76	101	547224	42.263	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	271386	46.903	ug/L	99
12) 1,1-Dichloroethene	2.13	96	250614	45.641	ug/L	96
13) Acetone	2.21	43	199639	83.188	ug/L	99
14) Carbon disulfide	2.31	76	690873	45.494	ug/L	99
15) Methyl Acetate	2.46	43	227379	43.262	ug/L	100
16) Methylene chloride	2.52	84	263985	45.461	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	238993	45.596	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	770615	44.597	ug/L	99
19) 1,1-Dichloroethane	3.21	63	421722	44.221	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	269733	44.973	ug/L #	97
22) 2-Butanone	4.01	43	306518	86.333	ug/L	99

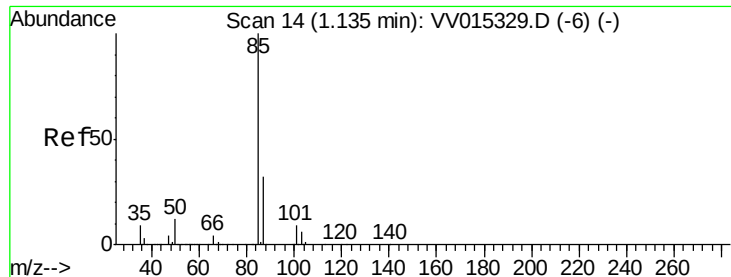
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
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 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 02:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	135678	44.791	ug/L	96
25) Chloroform	4.40	83	458140	44.300	ug/L	100
27) 1,2-Dichloroethane	5.15	62	344860	44.275	ug/L	99
29) Cyclohexane	4.70	56	406641	45.196	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	422207	43.447	ug/L	99
31) Carbon tetrachloride	4.85	117	372670	44.855	ug/L	99
33) Benzene	5.12	78	990321	44.244	ug/L	100
34) Trichloroethene	5.94	95	265322	44.767	ug/L	99
35) Methylcyclohexane	6.15	83	443078	45.632	ug/L	99
37) 1,2-Dichloropropane	6.20	63	243385	44.304	ug/L	99
38) Bromodichloromethane	6.53	83	356726	44.293	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	413379	44.777	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	669341	86.671	ug/L	100
42) Toluene	7.41	91	1129725	45.415	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	400906	44.690	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	253101	43.691	ug/L	99
46) Tetrachloroethene	7.99	164	205469	48.358	ug/L	97
48) 2-Hexanone	8.16	43	496726	84.939	ug/L	99
49) Dibromochloromethane	8.27	129	286663	45.185	ug/L	99
50) 1,2-Dibromoethane	8.37	107	275672	44.579	ug/L	99
51) Chlorobenzene	8.90	112	744840	45.686	ug/L	98
52) Ethylbenzene	9.03	91	1284572	46.008	ug/L	99
53) m,p-Xylene	9.16	106	500038	46.509	ug/L	99
54) o-xylene	9.56	106	494637	45.930	ug/L	100
55) Styrene	9.58	104	826341	46.143	ug/L	99
56) Isopropylbenzene	9.95	105	1293555	46.370	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	398022	42.796	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	317921	42.860	ug/L	98
61) Bromoform	9.75	173	189204	45.230	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	580529	46.046	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	583585	45.640	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	578518	44.989	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	103769	40.867	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	390417	46.726	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	363404	47.615	ug/L	100
69) Naphthalene	13.53	128	1302836	44.651	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	364921	46.417	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.852 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :

MSVOA_V

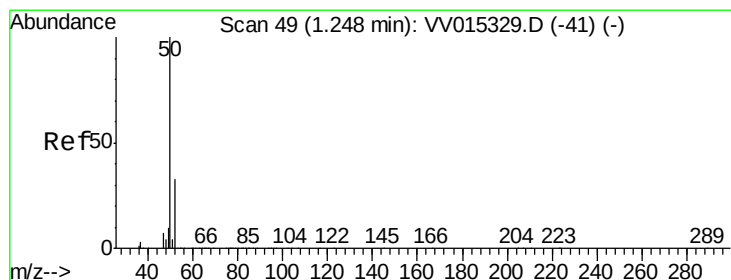
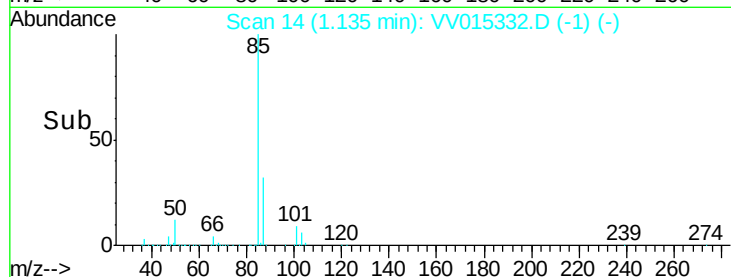
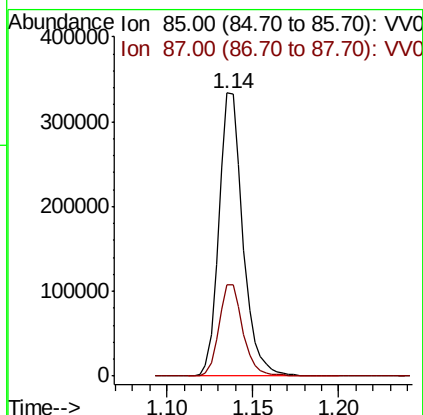
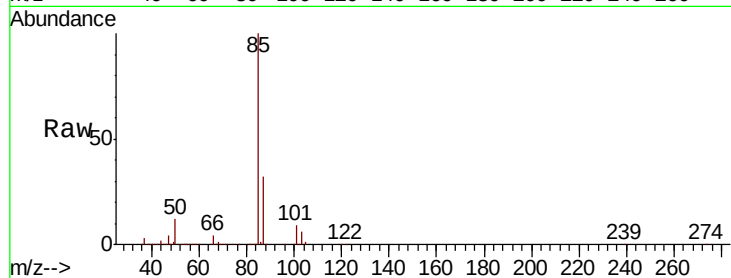
ClientSampleId :

Tot Ion: 85 Resp: 325045

Ion Ratio Lower Upper

85 100

87 32.4 25.5 38.3



#3

Chloromethane

Concen: 45.201 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015332.D

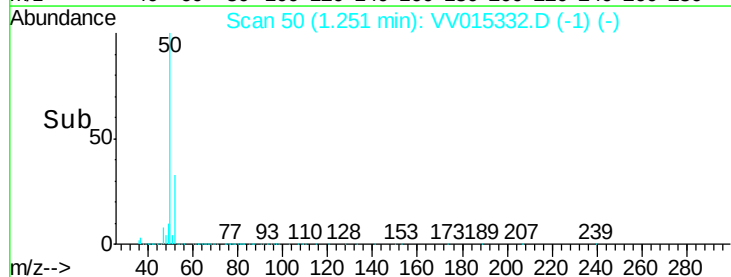
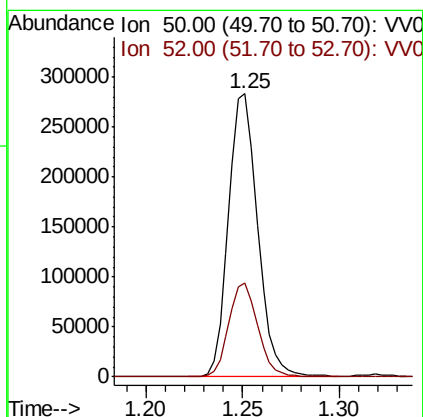
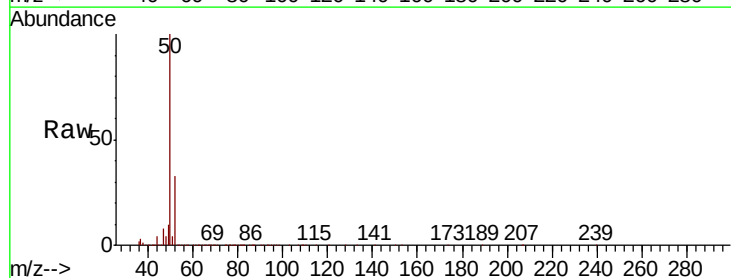
Acq: 01 Apr 2020 13:33

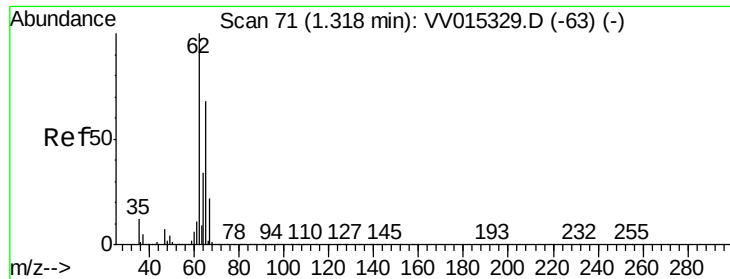
Tgt Ion: 50 Resp: 295532

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.6





#5

Vinyl chloride

Concen: 44.097 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :

MSVOA_V

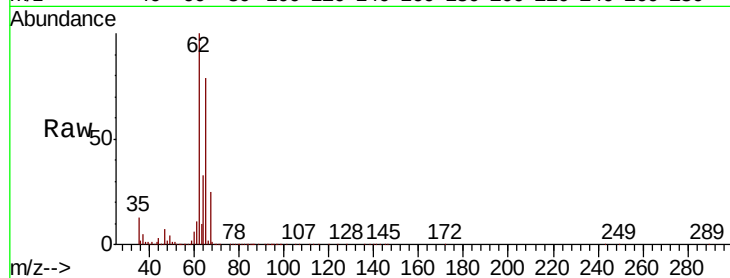
ClientSampleId :

Tot Ion: 62 Resp: 301996

Ion Ratio Lower Upper

62 100

64 32.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

300000

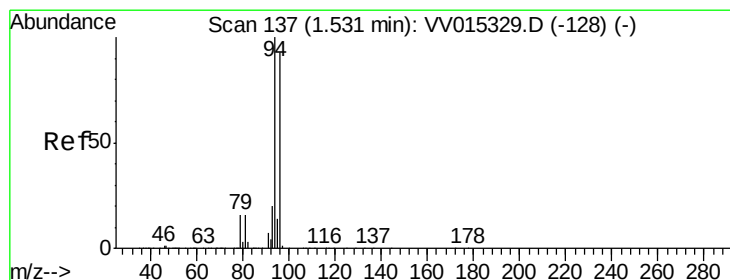
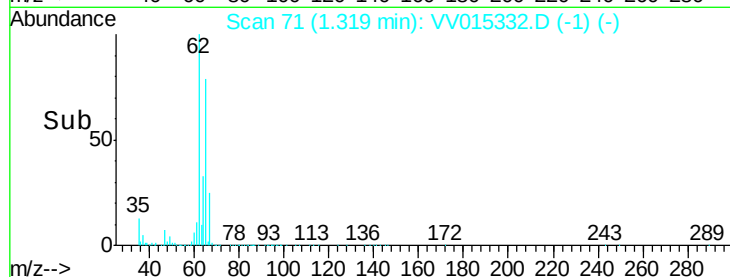
200000

100000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 44.507 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015332.D

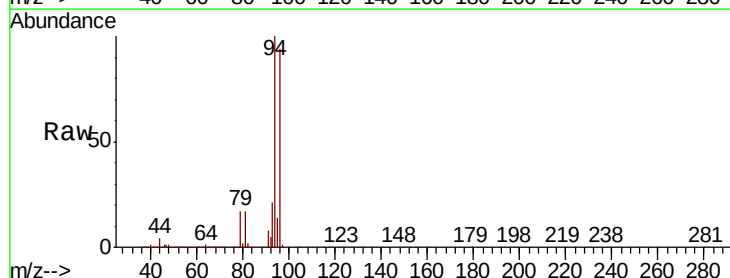
Acq: 01 Apr 2020 13:33

Tgt Ion: 94 Resp: 201488

Ion Ratio Lower Upper

94 100

96 94.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

200000

150000

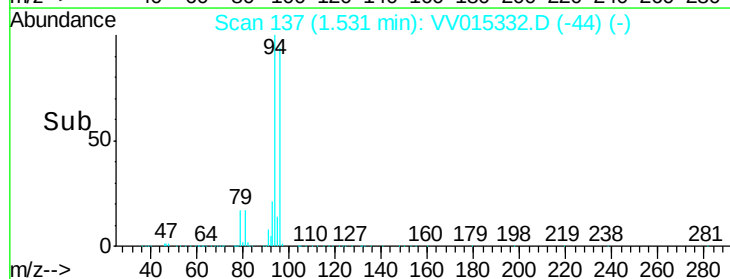
100000

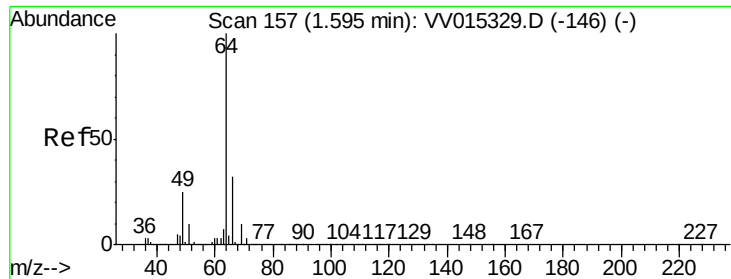
50000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 41.084 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

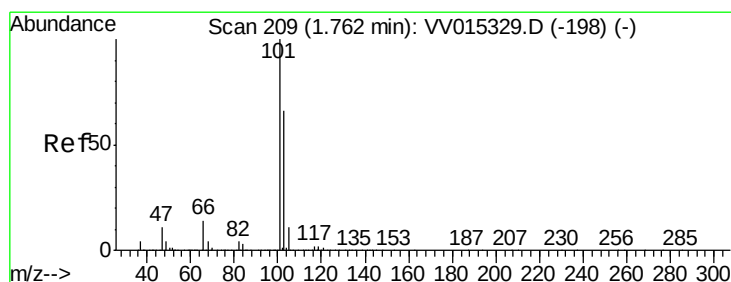
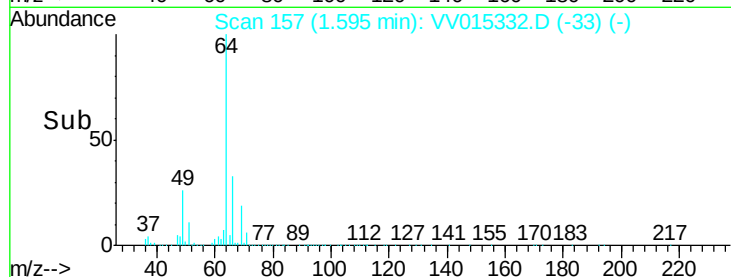
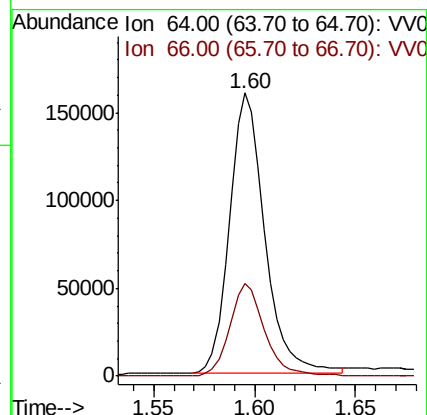
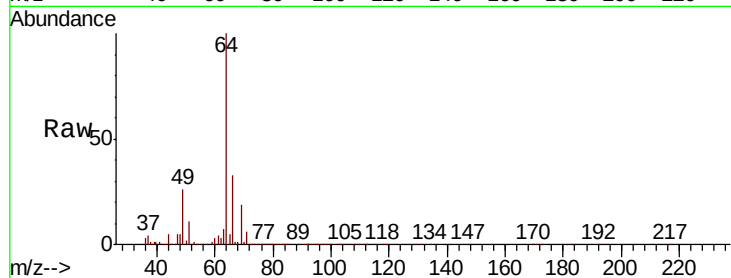
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 193288

Ion Ratio Lower Upper

64 100

66 32.7 22.3 41.3



#9

Trichlorofluoromethane

Concen: 42.263 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015332.D

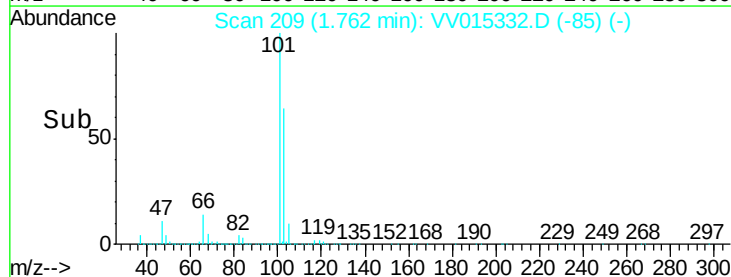
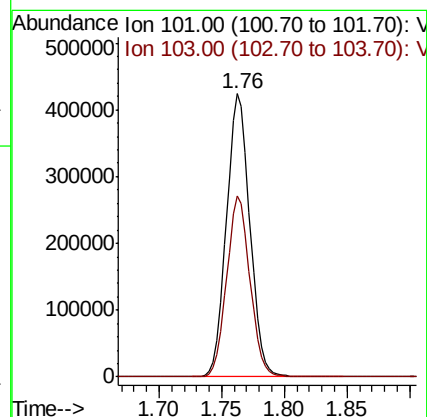
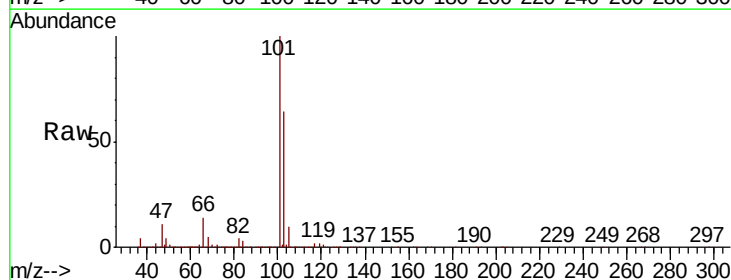
Acq: 01 Apr 2020 13:33

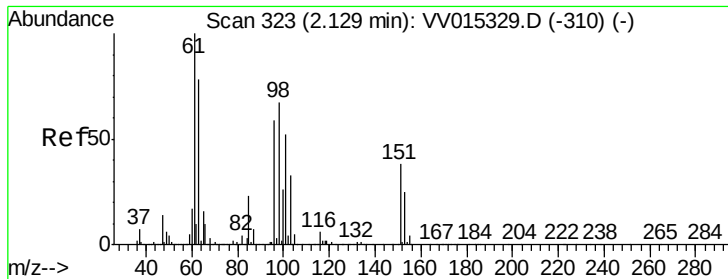
Tgt Ion: 101 Resp: 547224

Ion Ratio Lower Upper

101 100

103 63.7 52.3 78.5





#10

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

Concen: 46.903 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :

MSVOA_V

ClientSampleId :

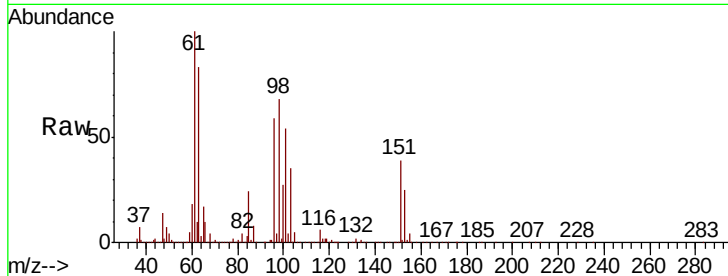
Tot Ion:101 Resp: 271386

Ion Ratio Lower Upper

101 100

85 44.5 36.1 54.1

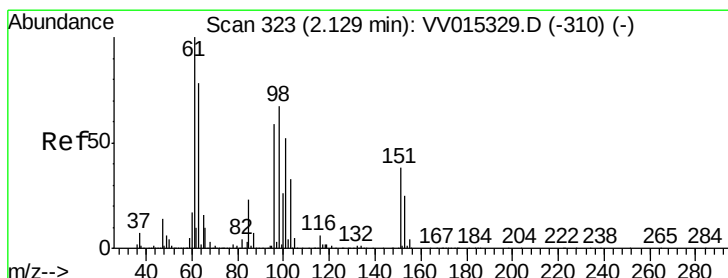
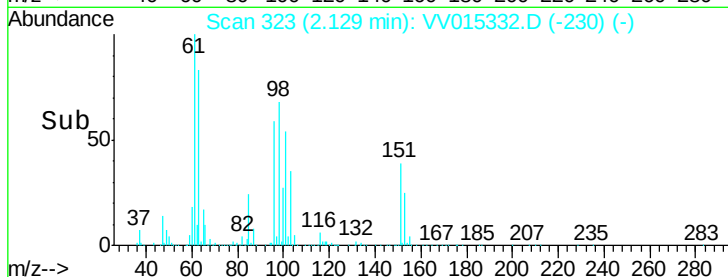
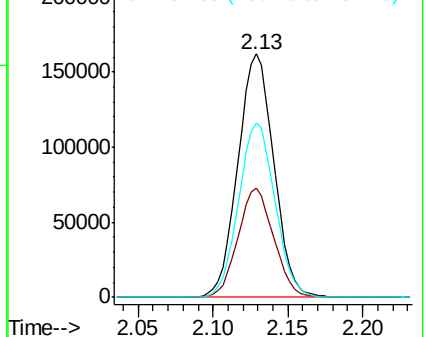
151 72.4 58.2 87.4



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: 45.641 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

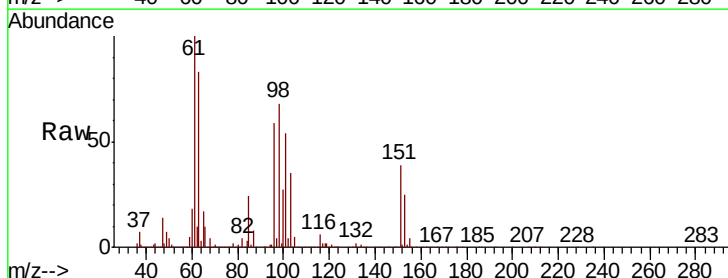
Tgt Ion: 96 Resp: 250614

Ion Ratio Lower Upper

96 100

61 169.9 118.0 219.2

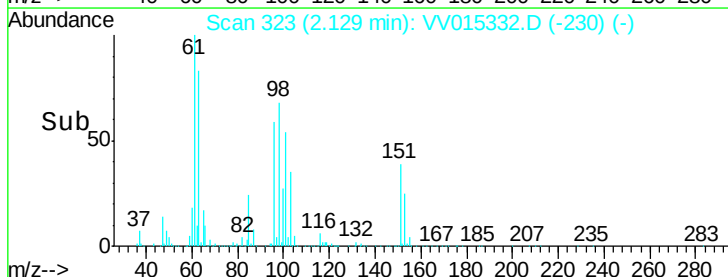
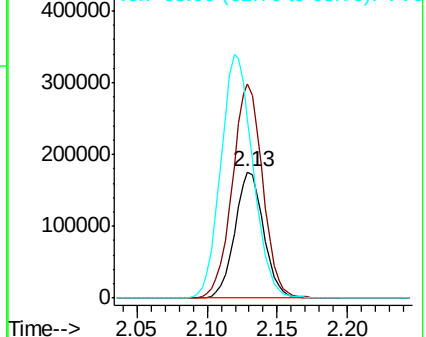
63 141.7 92.3 171.3

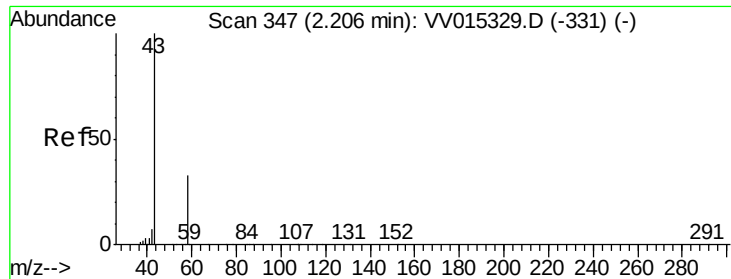


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 83.188 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

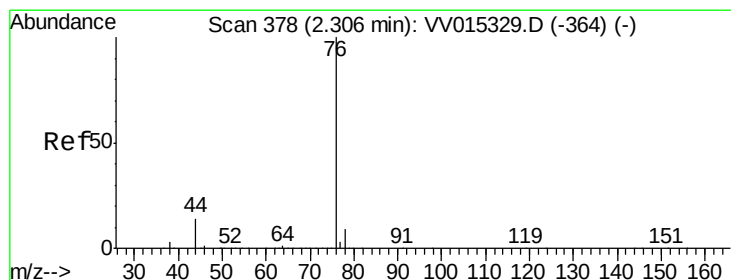
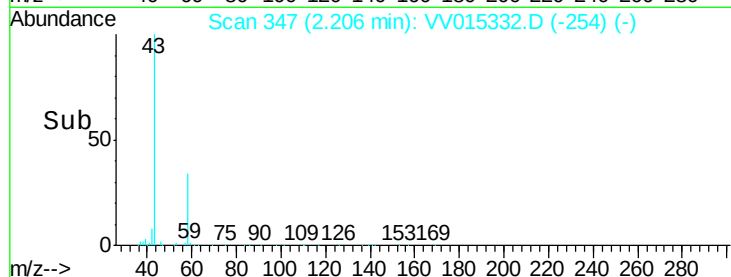
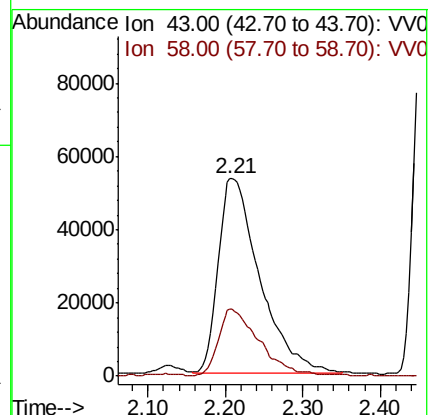
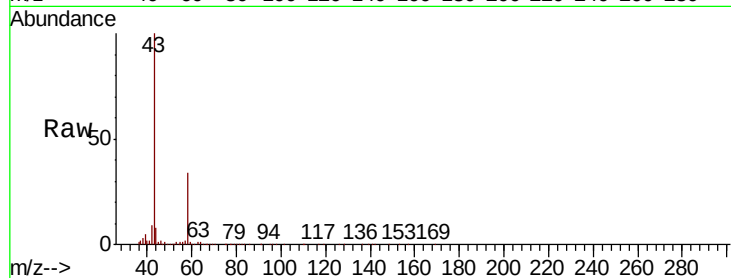
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 199639

Ion Ratio Lower Upper

43 100

58 33.5 0.0 68.2



#14

Carbon disulfide

Concen: 45.494 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015332.D

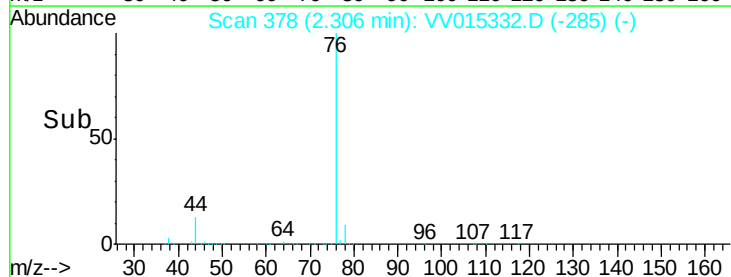
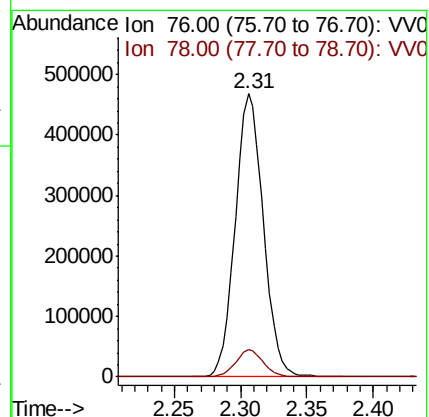
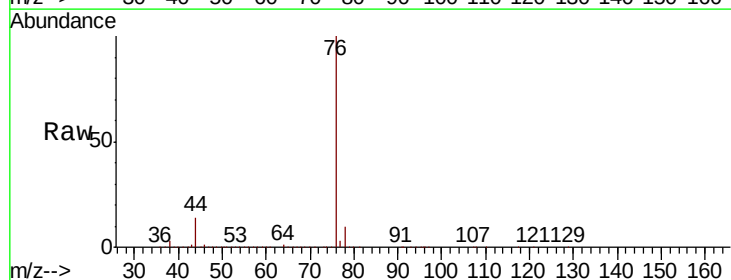
Acq: 01 Apr 2020 13:33

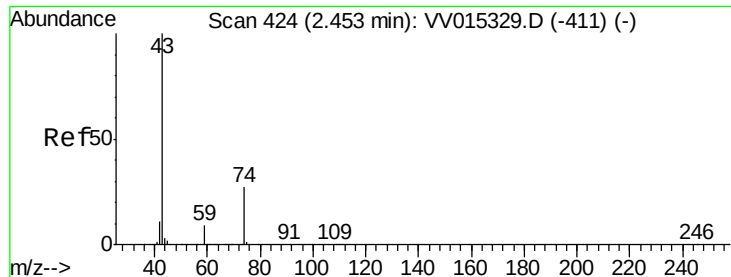
Tgt Ion: 76 Resp: 690873

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

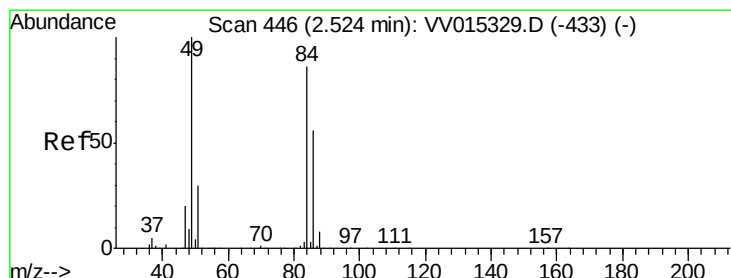
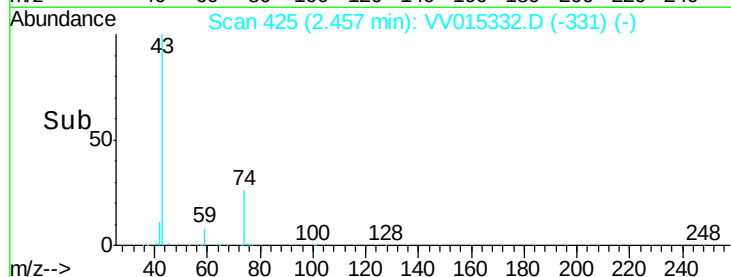
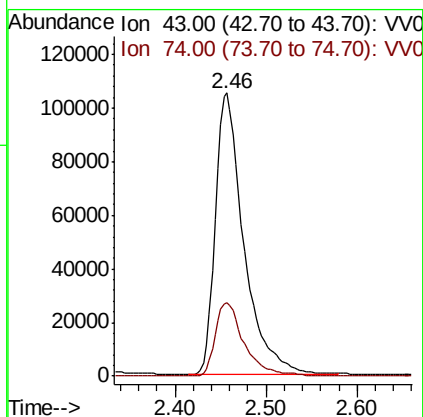
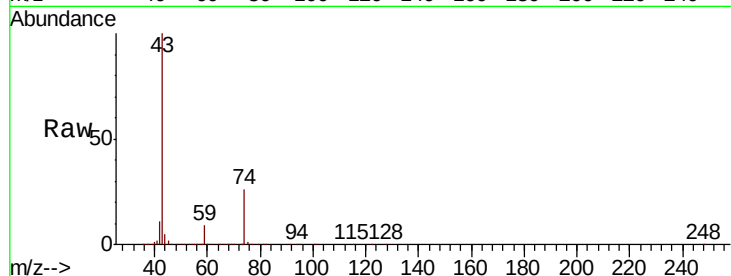




#15
Methyl Acetate
Concen: 43.262 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV015332.D
Acq: 01 Apr 2020 13:33

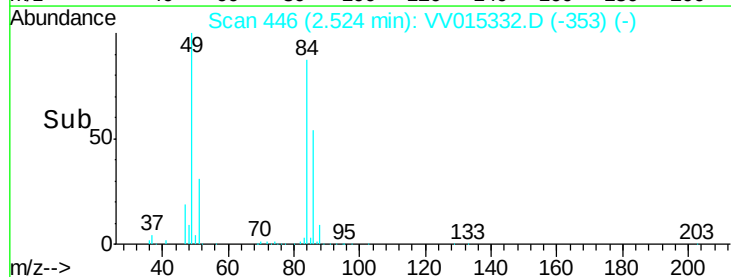
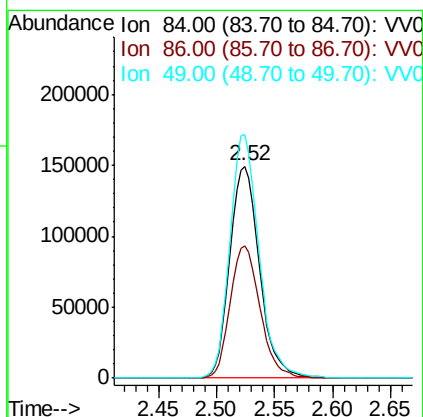
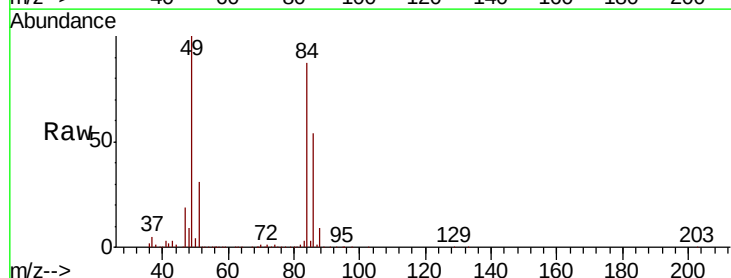
Instrument :
MSVOA_V
ClientSampled :

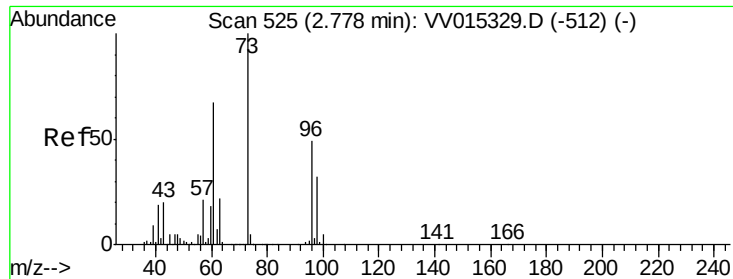
Tot Ion: 43 Resp: 227379
Ion Ratio Lower Upper
43 100
74 26.2 20.9 31.3



#16
Methylene chloride
Concen: 45.461 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015332.D
Acq: 01 Apr 2020 13:33

Tgt Ion: 84 Resp: 263985
Ion Ratio Lower Upper
84 100
86 62.6 45.1 83.9
49 115.1 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 45.596 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :

MSVOA_V

ClientSampleId :

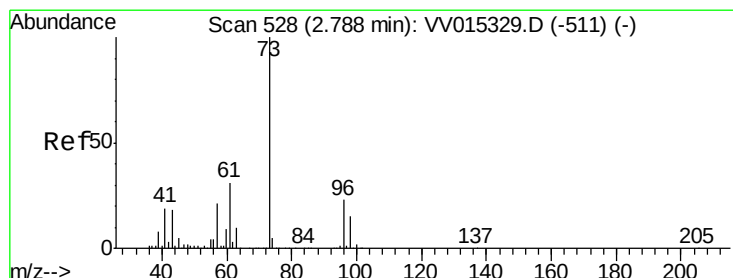
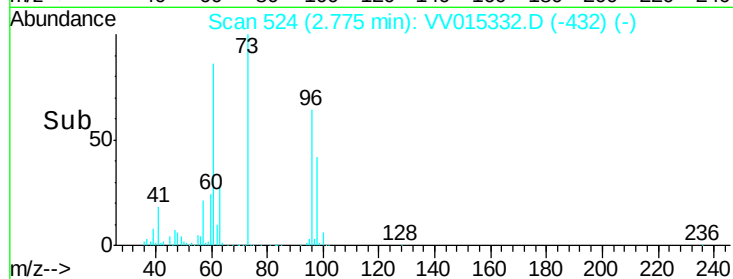
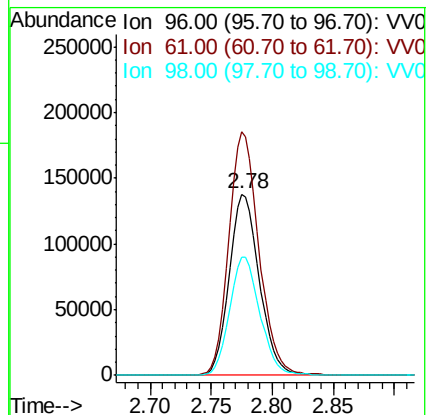
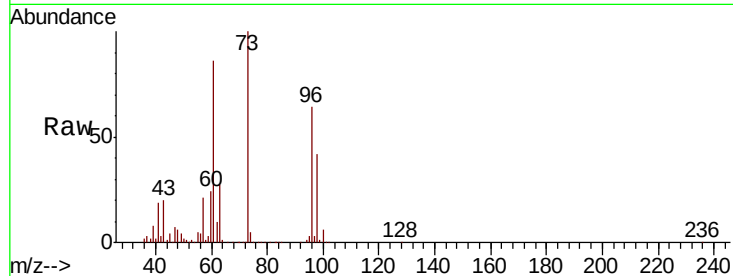
Tot Ion: 96 Resp: 238993

Ion Ratio Lower Upper

96 100

61 134.2 95.2 176.8

98 65.2 45.1 83.9



#18

Methyl tert-butyl Ether

Concen: 44.597 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

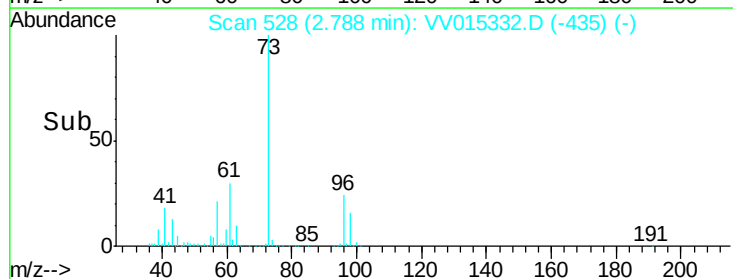
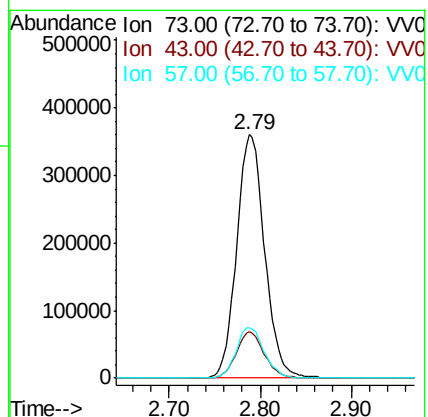
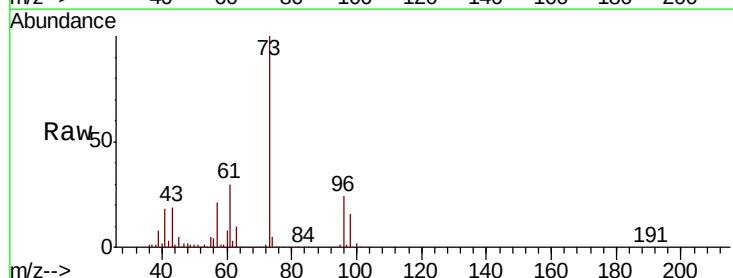
Tgt Ion: 73 Resp: 770615

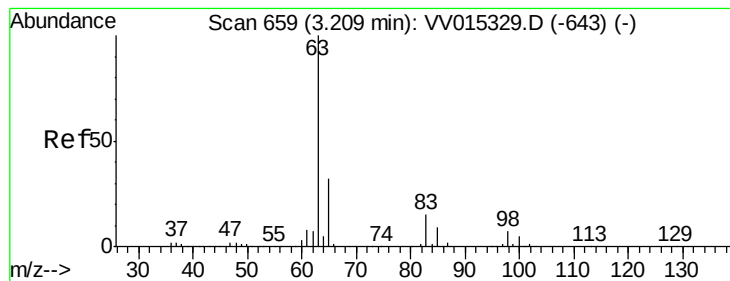
Ion Ratio Lower Upper

73 100

43 18.8 15.4 23.0

57 20.7 16.3 24.5





#19

1,1-Dichloroethane

Concen: 44.221 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :

MSVOA_V

ClientSampled :

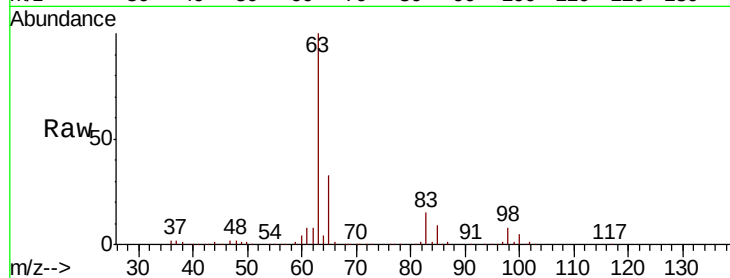
Tot Ion: 63 Resp: 421722

Ion Ratio Lower Upper

63 100

65 33.3 22.3 41.5

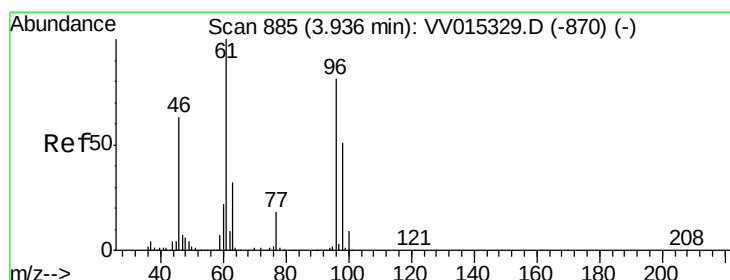
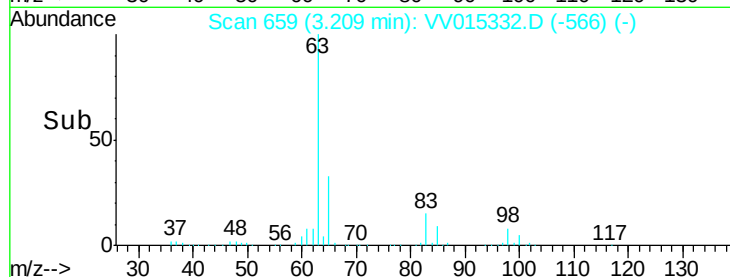
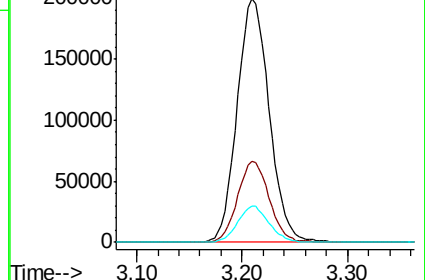
83 15.0 10.2 19.0



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: 44.973 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

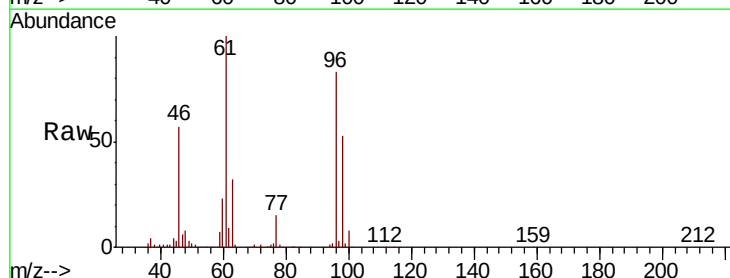
Tgt Ion: 96 Resp: 269733

Ion Ratio Lower Upper

96 100

61 120.3 86.4 160.4

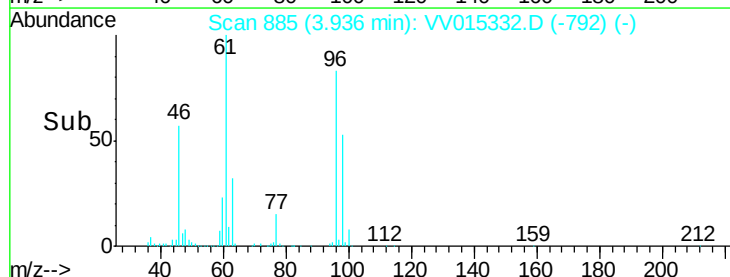
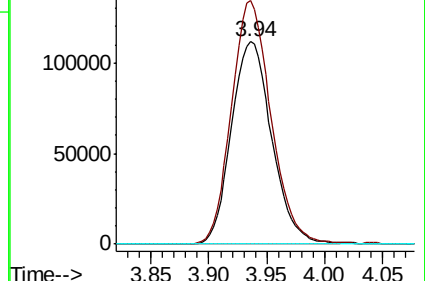
68 0.0 0.1 0.3#

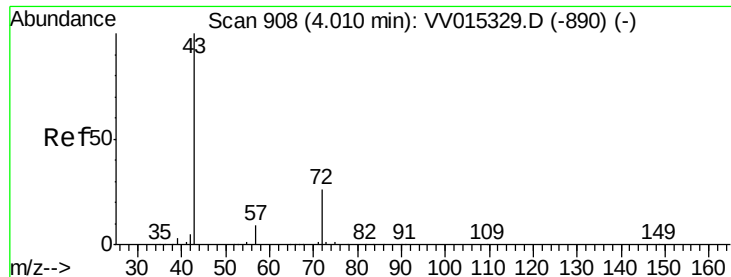


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 86.333 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

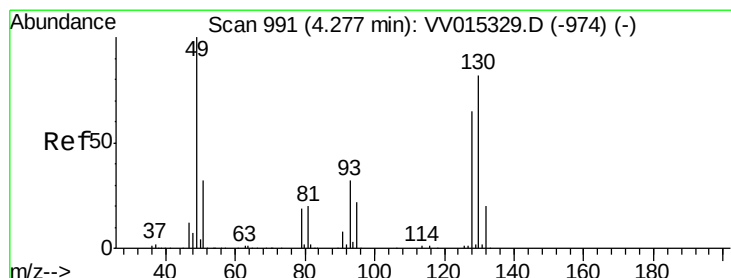
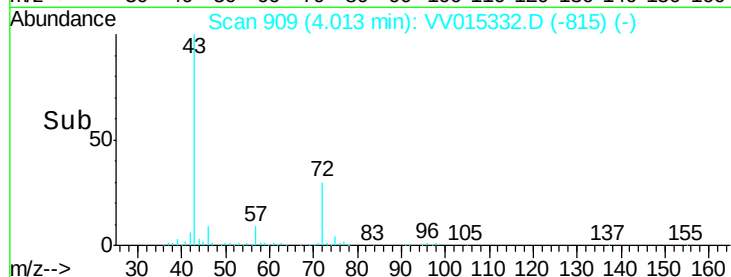
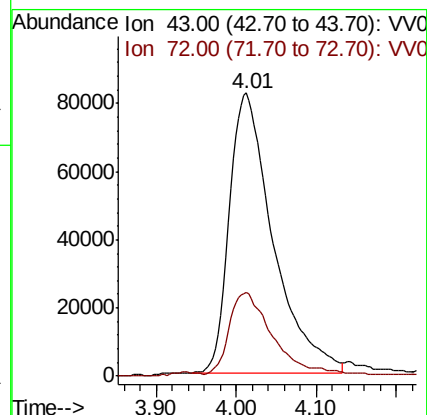
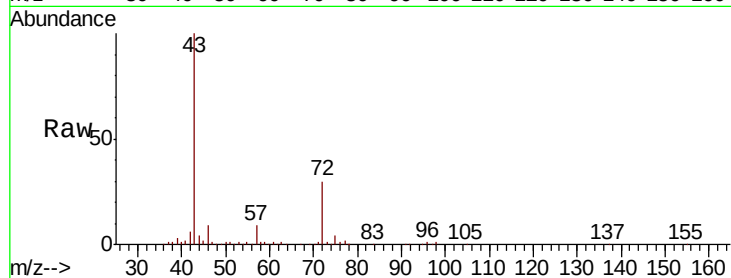
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 306518

Ion Ratio Lower Upper

43 100

72 27.1 13.3 39.8



#23

Bromochloromethane

Concen: 44.791 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Tgt Ion: 128 Resp: 135678

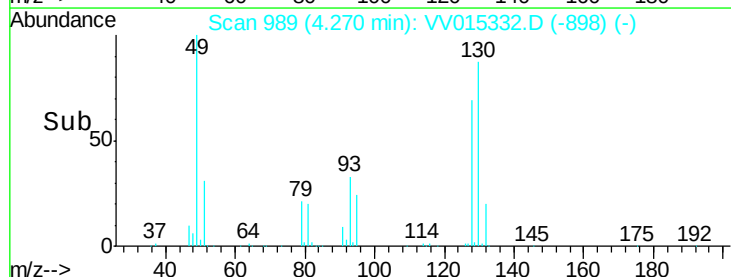
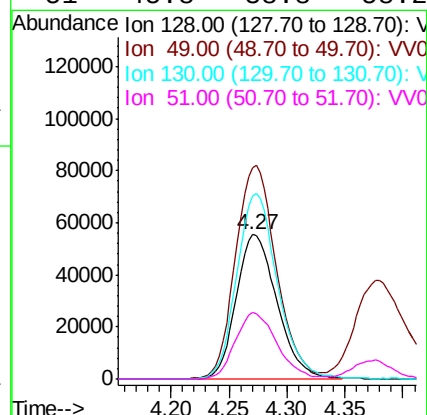
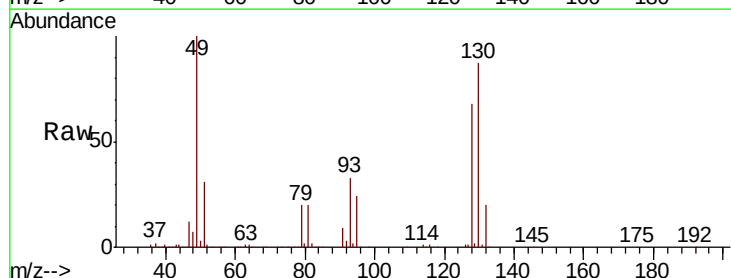
Ion Ratio Lower Upper

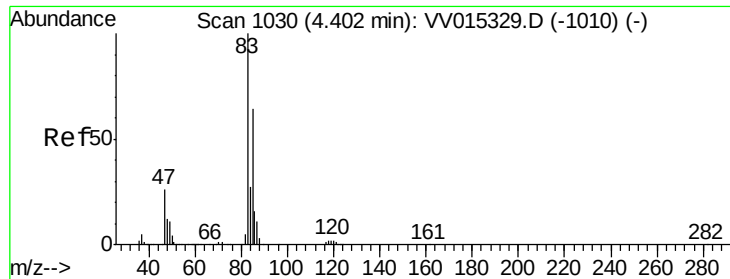
128 100

49 146.6 107.5 199.7

130 127.1 87.7 162.9

51 45.8 38.8 58.2

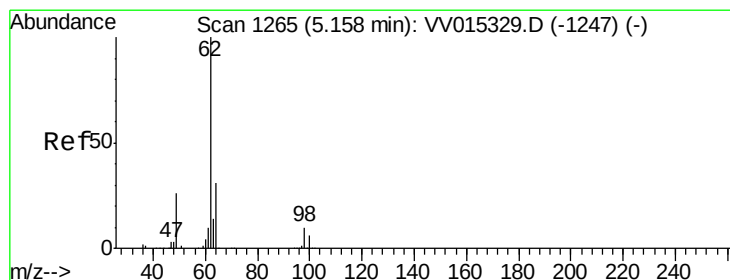
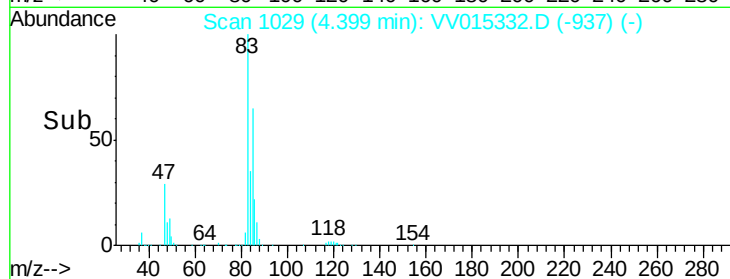
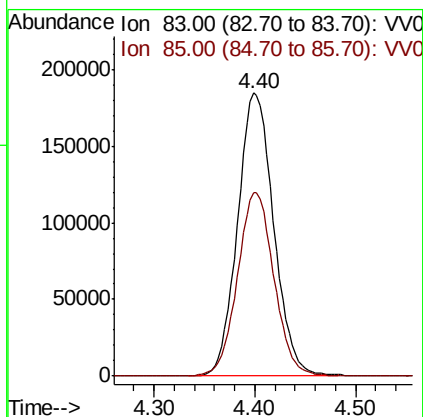
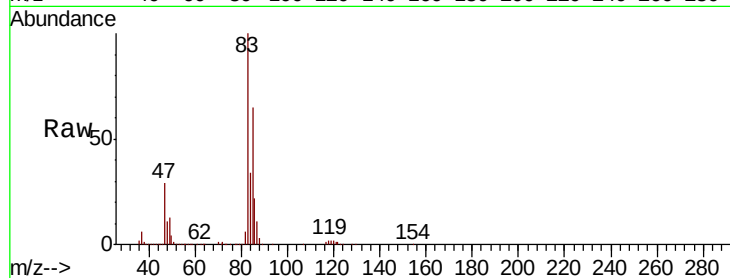




#25
Chloroform
Concen: 44.300 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015332.D
Acq: 01 Apr 2020 13:33

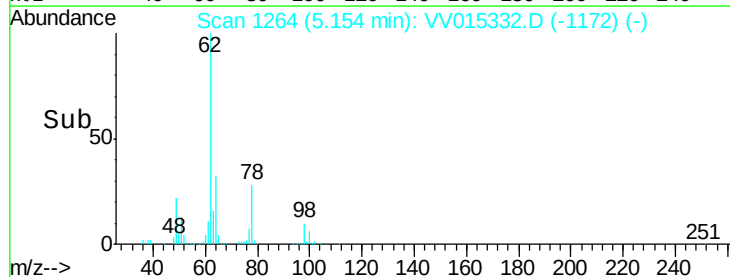
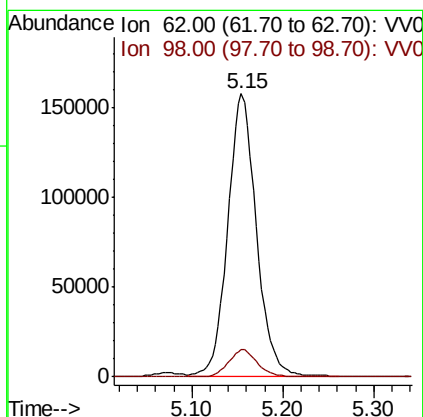
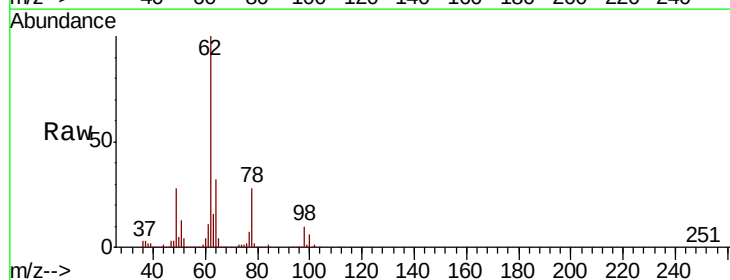
Instrument :
MSVOA_V
ClientSampled :

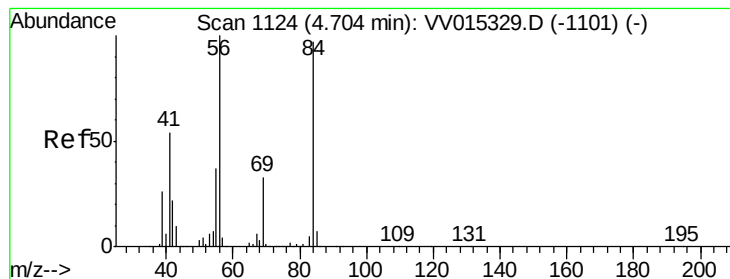
Tot Ion: 83 Resp: 458140
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 44.275 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015332.D
Acq: 01 Apr 2020 13:33

Tgt Ion: 62 Resp: 344860
Ion Ratio Lower Upper
62 100
98 9.6 7.9 11.9





#29

Cyclohexane

Concen: 45.196 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :
MSVOA_V
ClientSampleId :

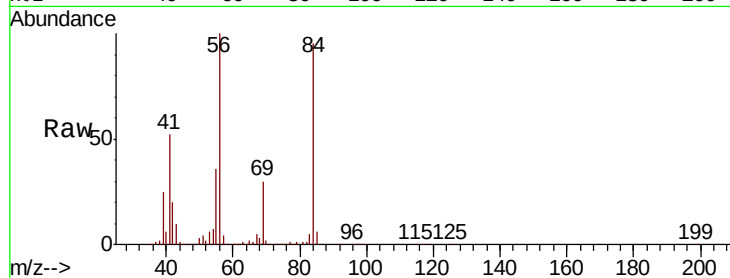
Tot Ion: 56 Resp: 406641

Ion Ratio Lower Upper

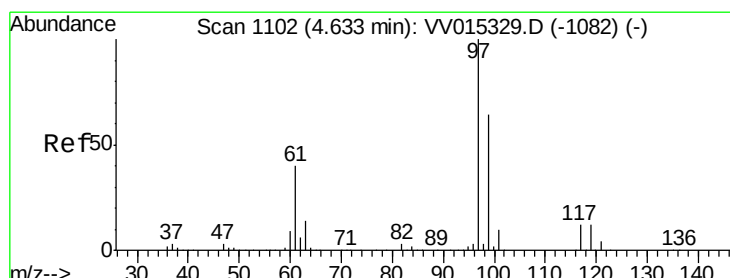
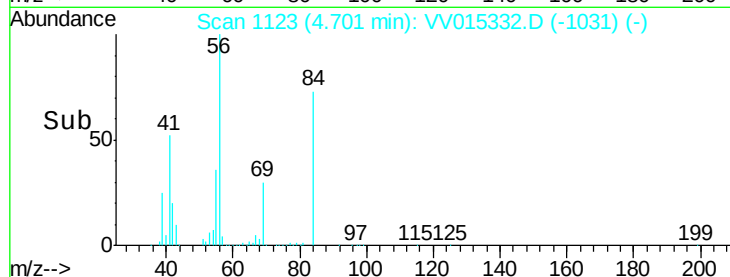
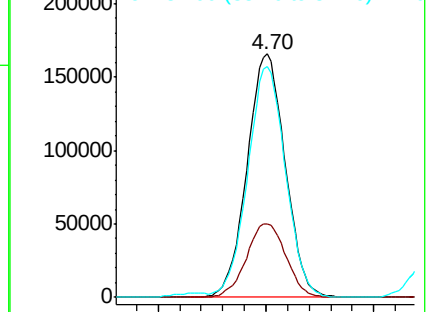
56 100

69 31.4 25.5 38.3

84 93.4 76.3 114.5



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 43.447 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

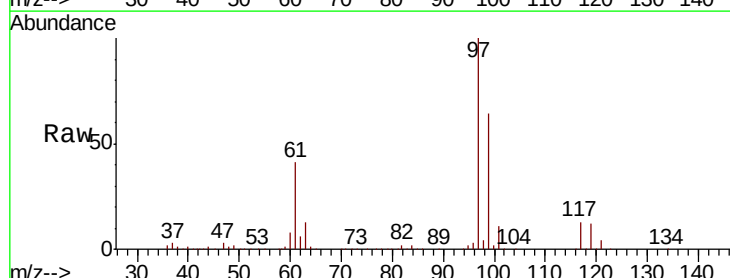
Tgt Ion: 97 Resp: 422207

Ion Ratio Lower Upper

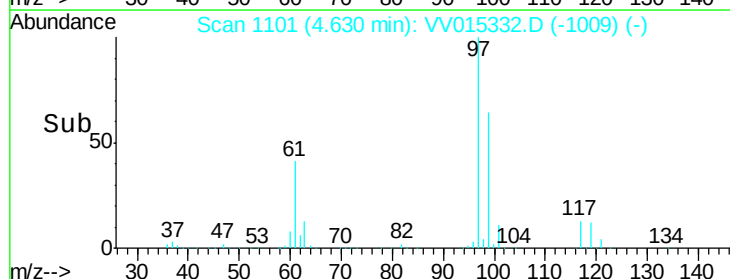
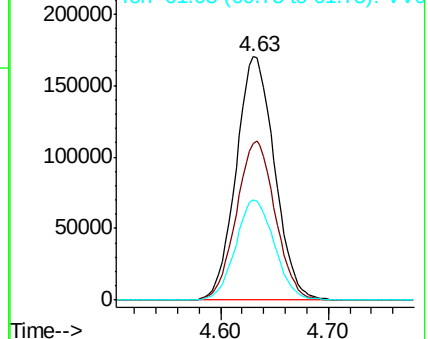
97 100

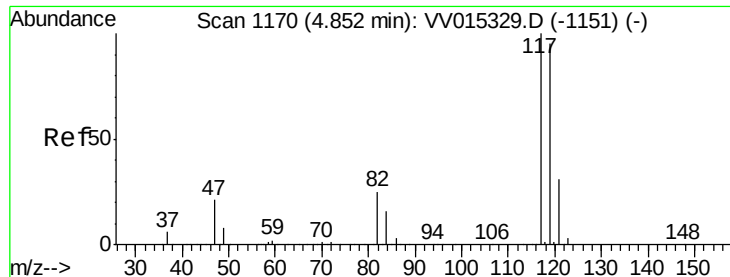
99 65.9 51.6 77.4

61 41.3 33.4 50.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

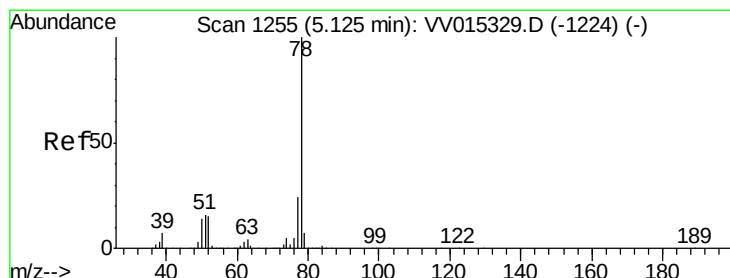
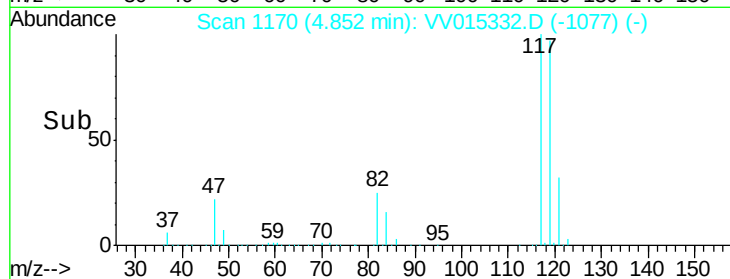
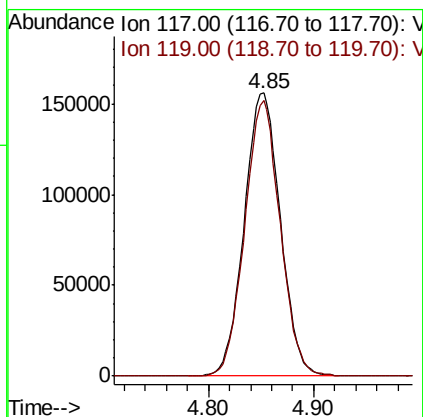
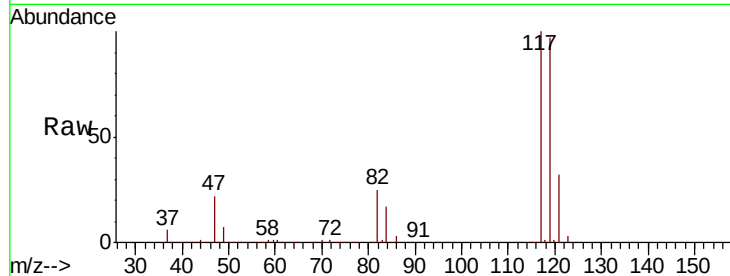




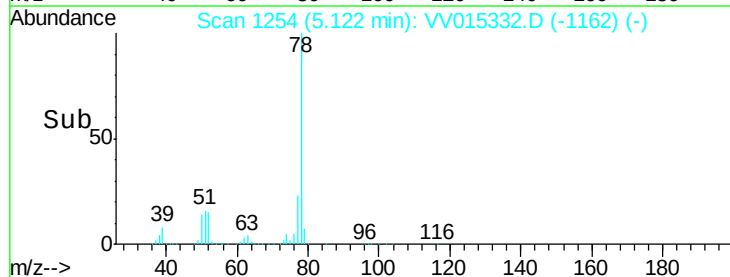
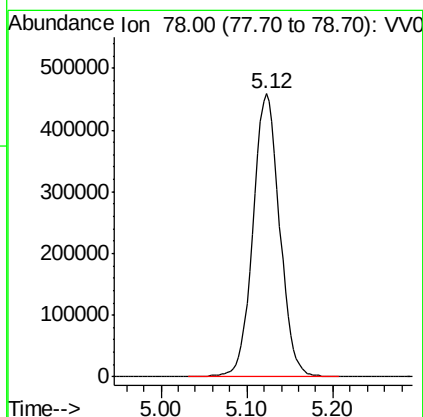
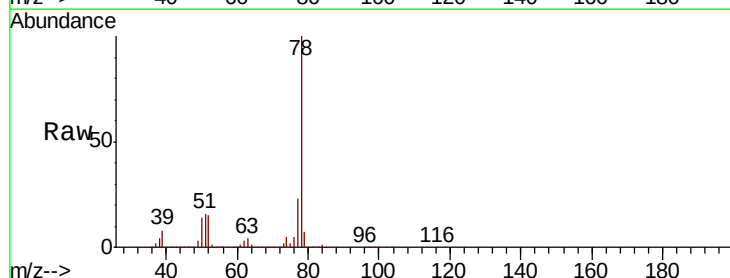
#31
Carbon tetrachloride
Concen: 44.855 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015332.D
Acq: 01 Apr 2020 13:33

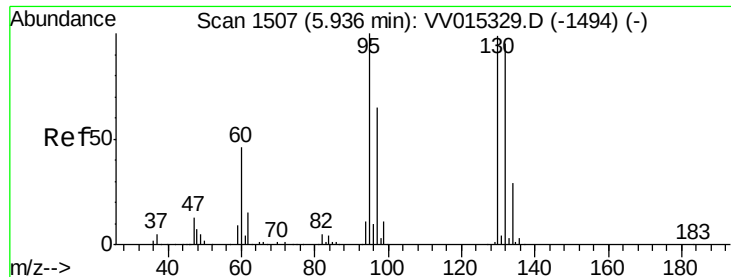
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 372670
Ion Ratio Lower Upper
117 100
119 95.3 76.8 115.2



#33
Benzene
Concen: 44.244 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV015332.D
Acq: 01 Apr 2020 13:33
Tgt Ion: 78 Resp: 990321

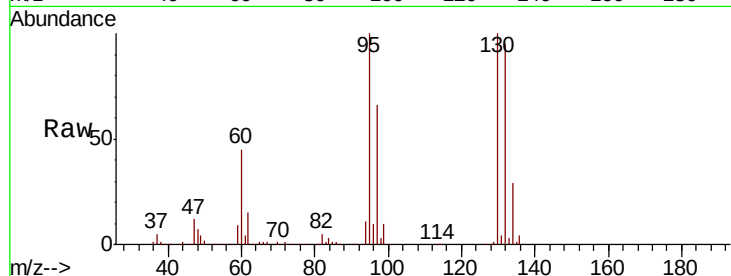




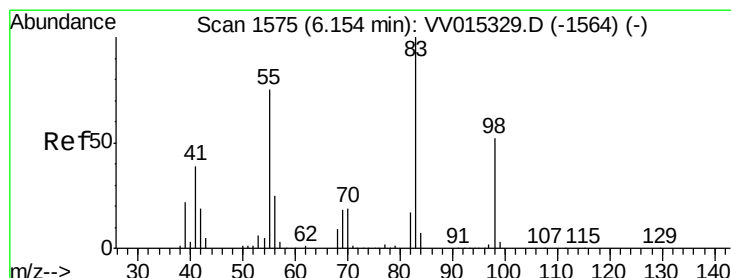
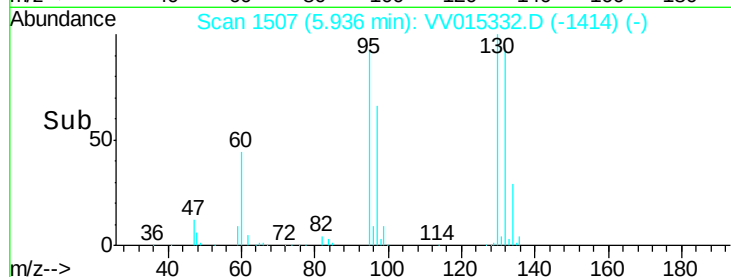
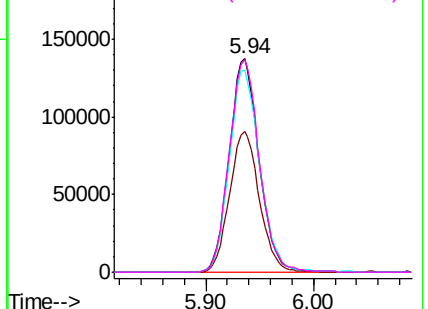
#34
 Trichloroethene
 Concen: 44.767 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015332.D
 Acq: 01 Apr 2020 13:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 265322
 Ion Ratio Lower Upper
 95 100
 97 65.9 45.4 84.2
 132 94.6 66.8 124.2
 130 99.6 69.4 128.8

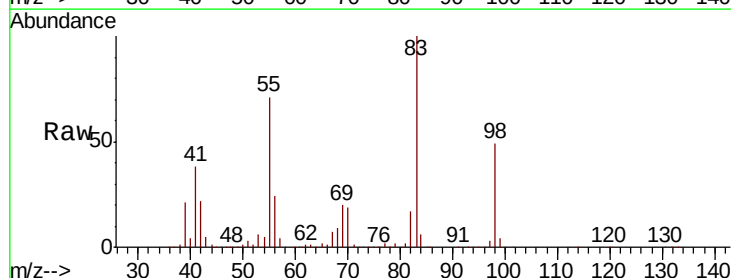


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

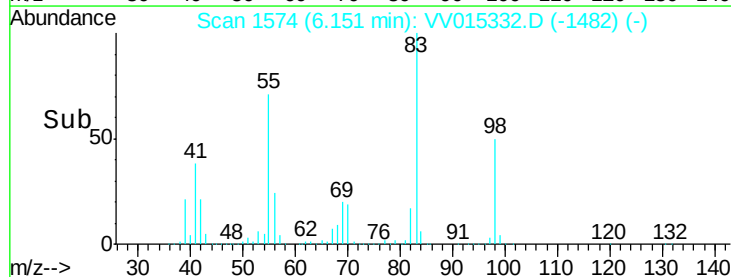
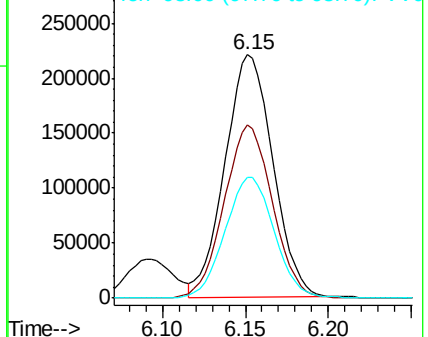


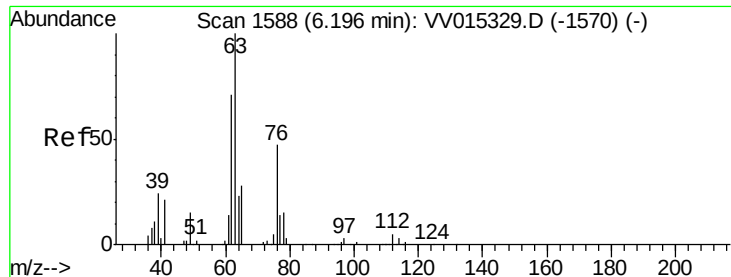
#35
 Methylcyclohexane
 Concen: 45.632 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV015332.D
 Acq: 01 Apr 2020 13:33

Tgt Ion: 83 Resp: 443078
 Ion Ratio Lower Upper
 83 100
 55 71.3 57.9 86.9
 98 50.8 40.0 60.0



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

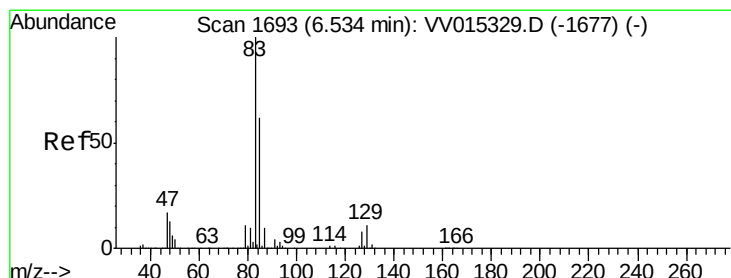
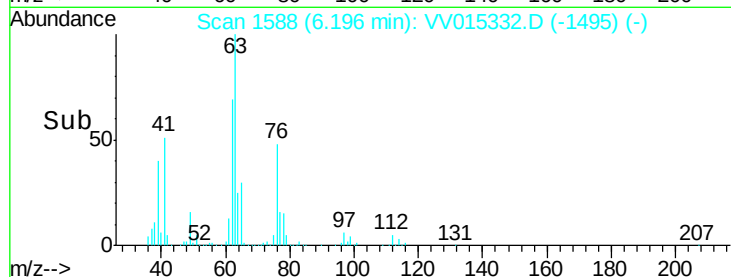
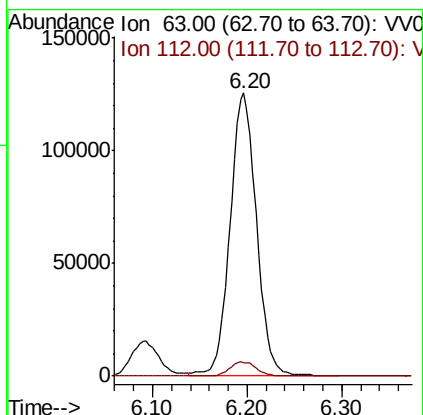
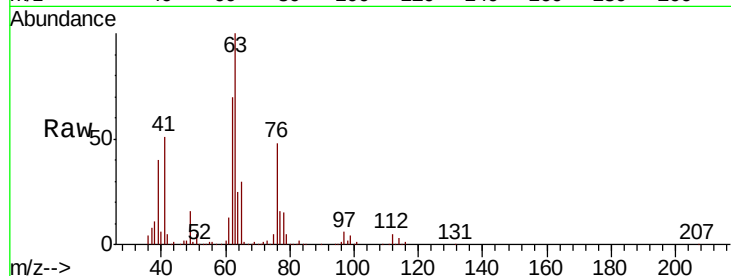




#37
 1,2-Dichloropropane
 Concen: 44.304 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV015332.D
 Acq: 01 Apr 2020 13:33

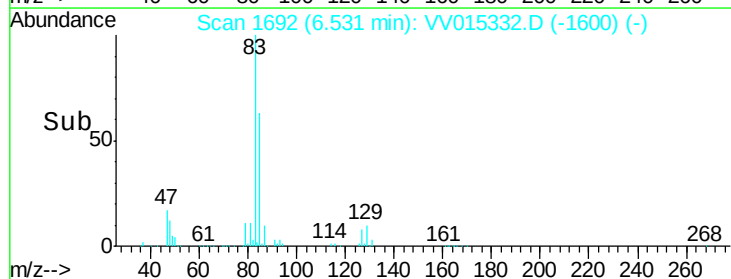
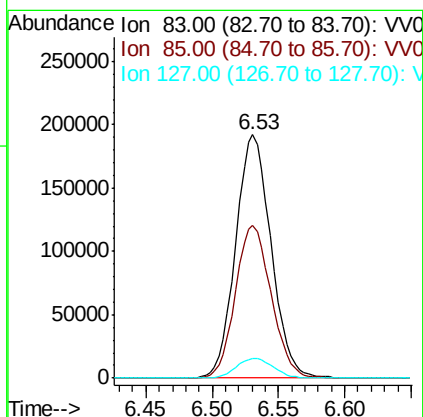
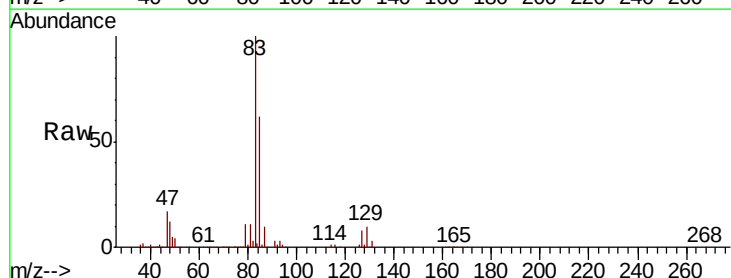
Instrument :
 MSVOA_V
 ClientSampled :

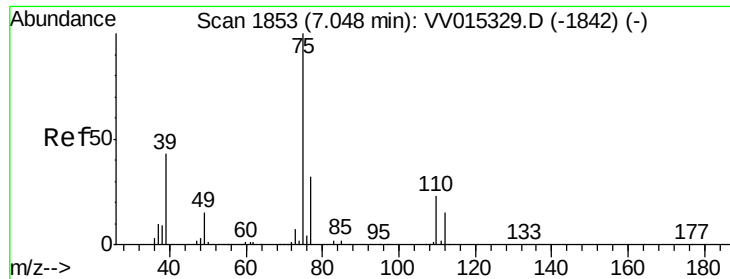
Tot Ion: 63 Resp: 243385
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.8



#38
 Bromodichloromethane
 Concen: 44.293 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015332.D
 Acq: 01 Apr 2020 13:33

Tgt Ion: 83 Resp: 356726
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.5 80.9
 127 8.1 6.6 10.0

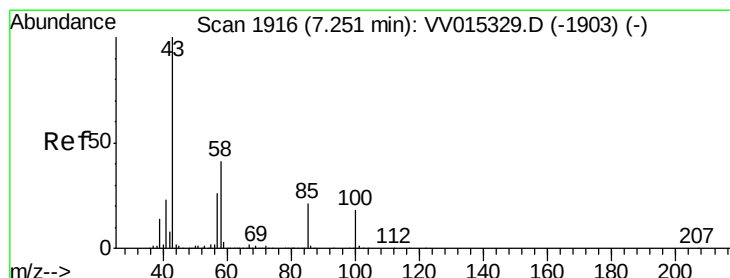
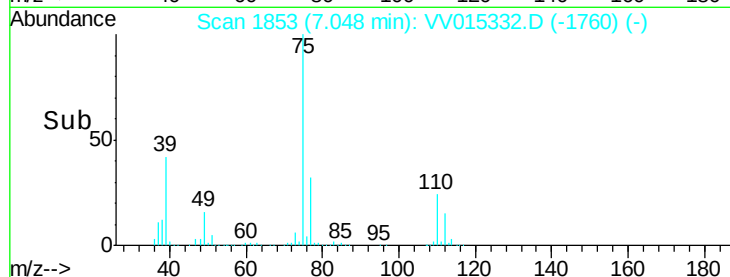
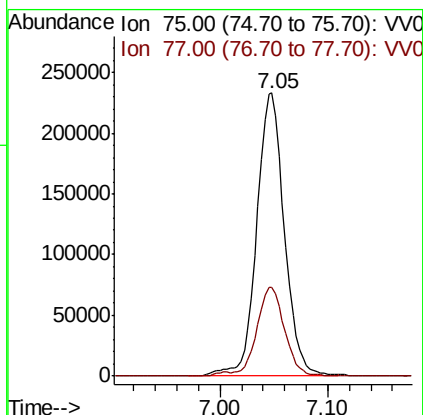
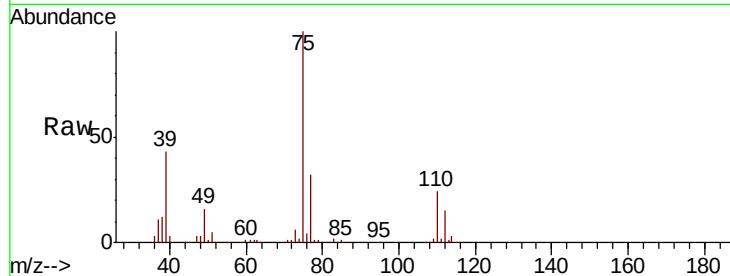




#39
 cis-1,3-Dichloropropene
 Concen: 44.777 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015332.D
 Acq: 01 Apr 2020 13:33

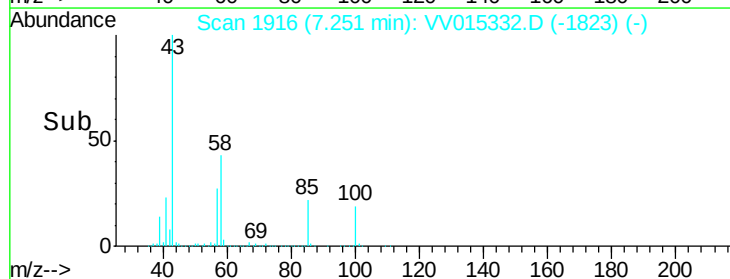
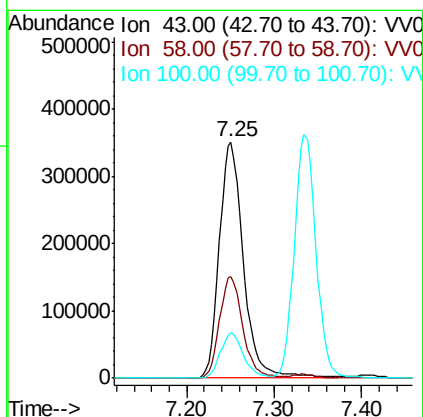
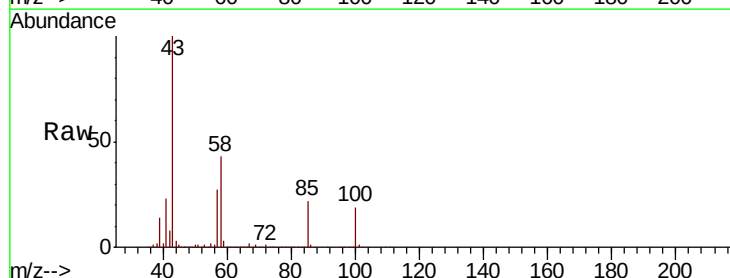
Instrument :
 MSVOA_V
 ClientSampled :

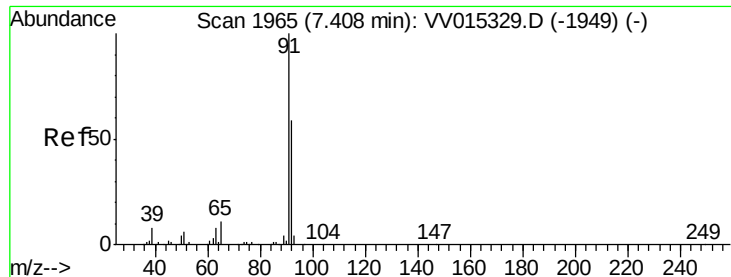
Tot Ion: 75 Resp: 413379
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 86.671 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015332.D
 Acq: 01 Apr 2020 13:33

Tgt Ion: 43 Resp: 669341
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.3 49.9
 100 18.4 14.6 22.0





#42

Toluene

Concen: 45.415 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

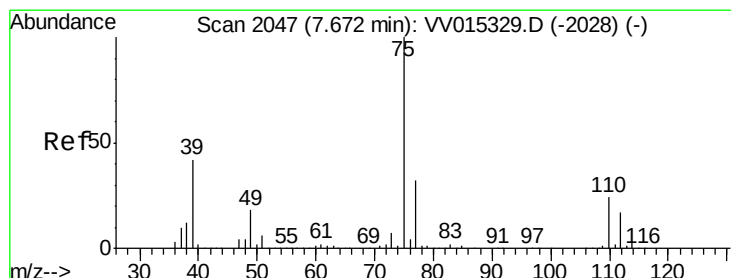
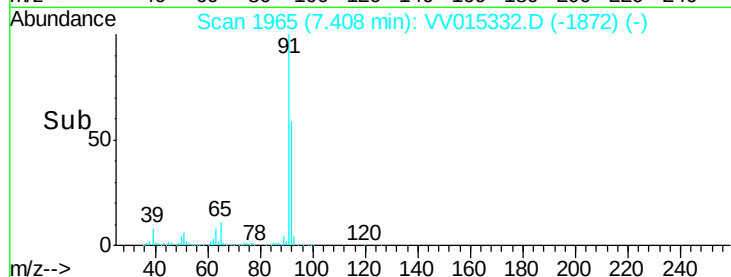
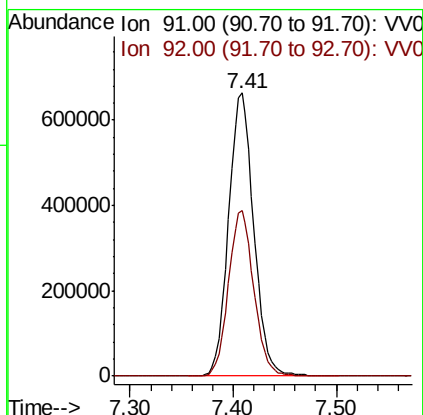
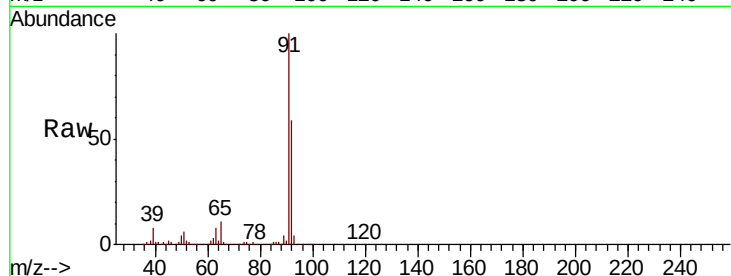
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1129725

Ion Ratio Lower Upper

91 100

92 58.5 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 44.690 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV015332.D

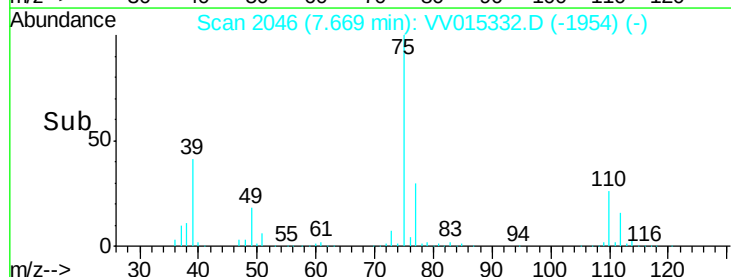
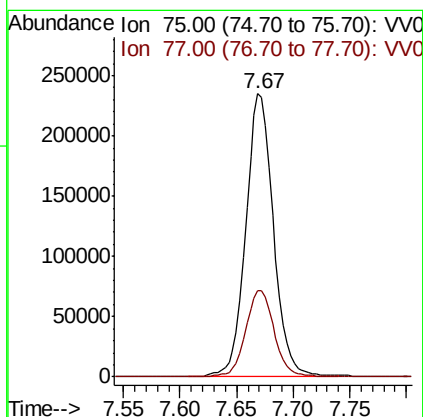
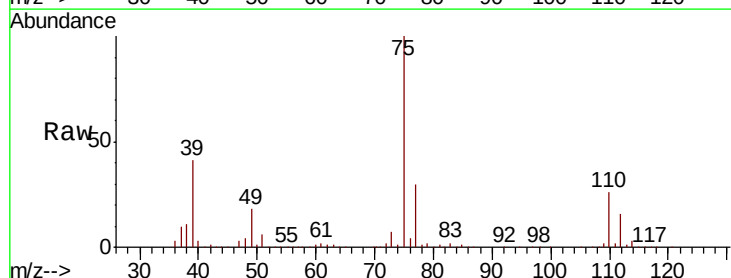
Acq: 01 Apr 2020 13:33

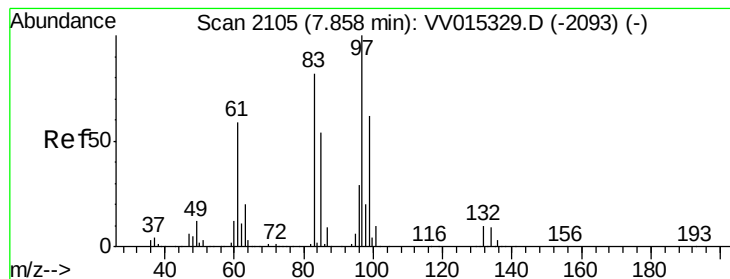
Tgt Ion: 75 Resp: 400906

Ion Ratio Lower Upper

75 100

77 30.3 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 43.691 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 253101

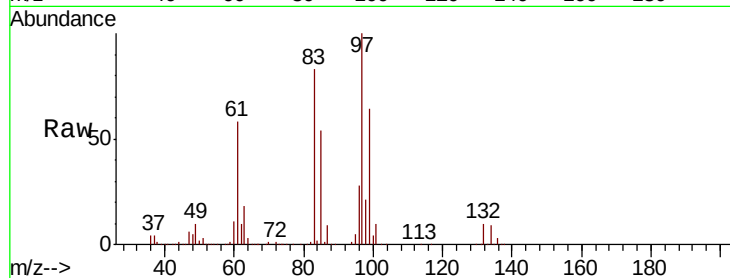
Ion Ratio Lower Upper

97 100

99 63.7 43.5 80.7

83 82.7 57.3 106.5

85 54.3 37.7 70.1

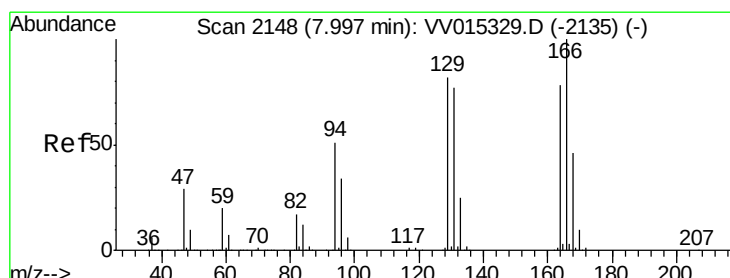
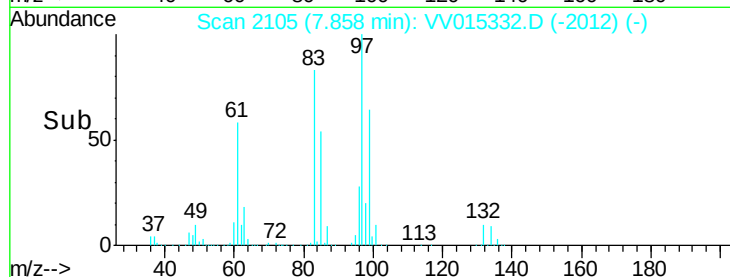
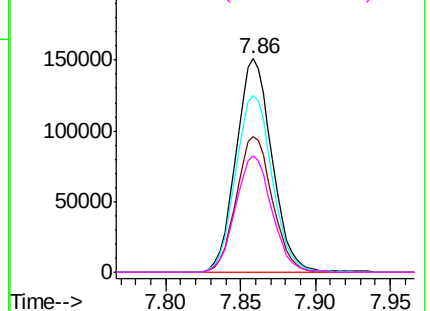


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 48.358 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Tgt Ion:164 Resp: 205469

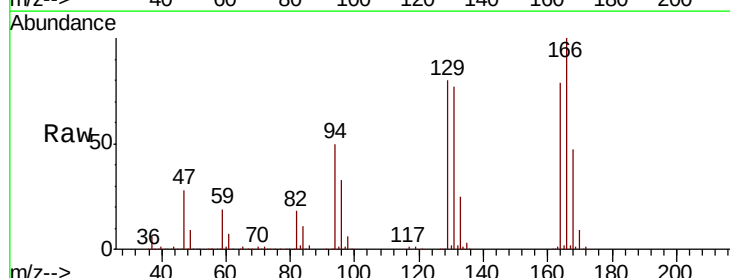
Ion Ratio Lower Upper

164 100

129 101.1 73.8 137.0

131 96.8 69.4 129.0

166 126.2 89.7 166.7

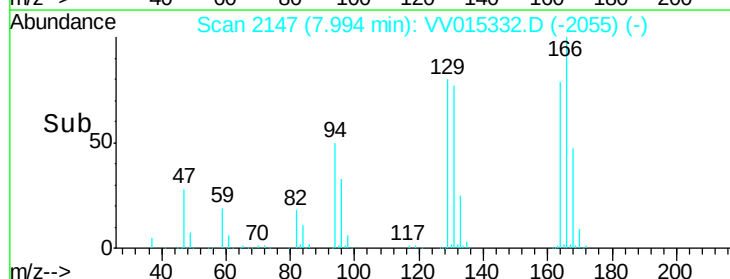
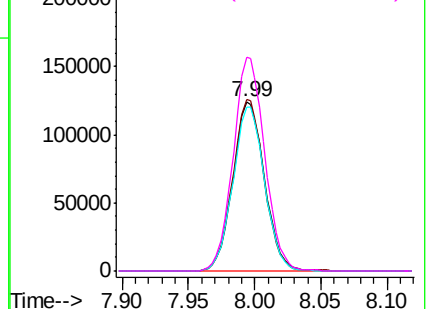


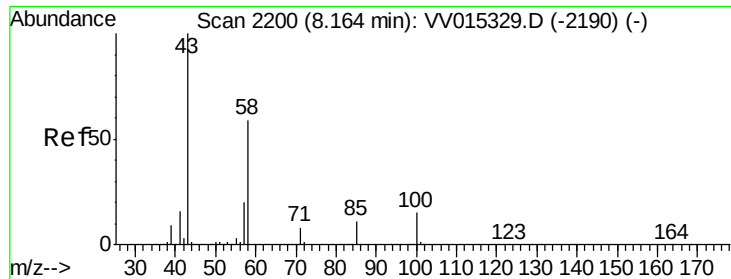
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

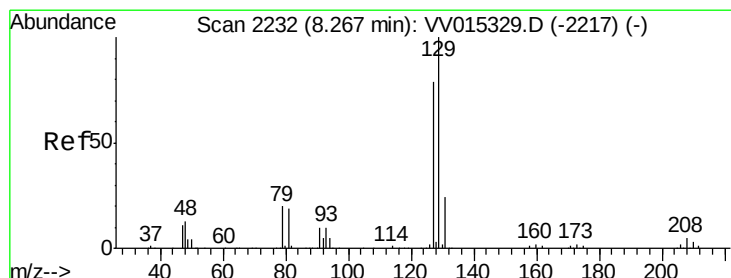
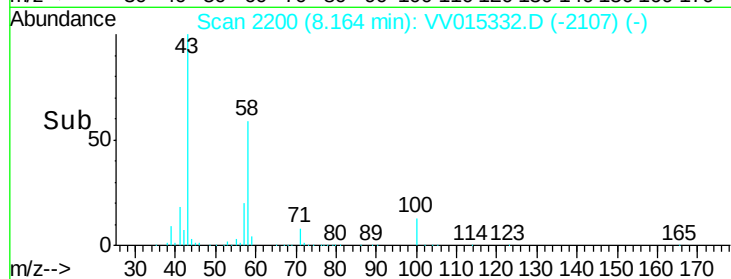
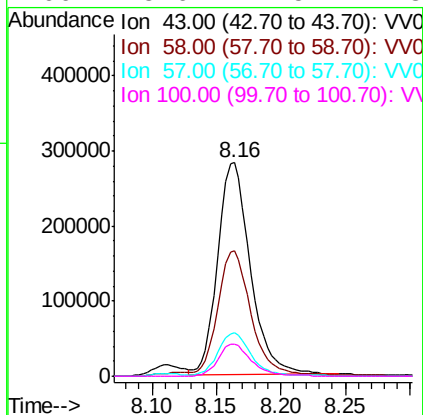
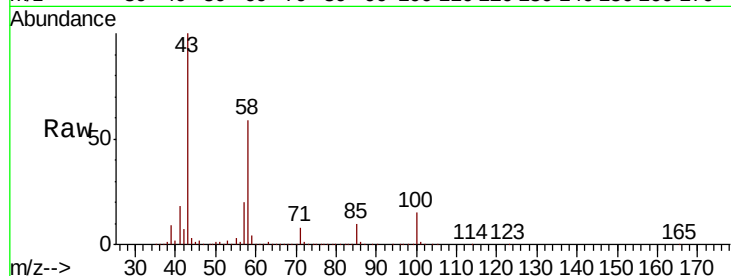




#48
2-Hexanone
Concen: 84.939 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015332.D
Acq: 01 Apr 2020 13:33

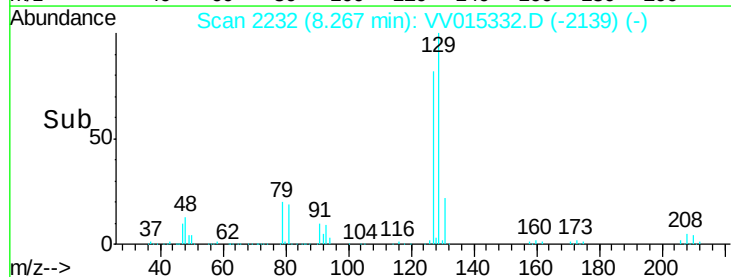
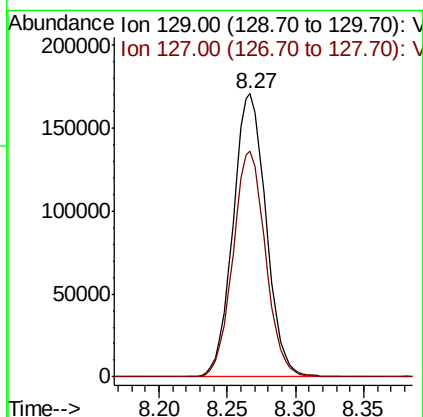
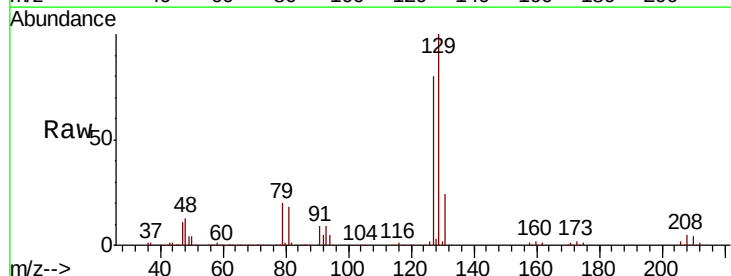
Instrument :
MSVOA_V
ClientSampleId :

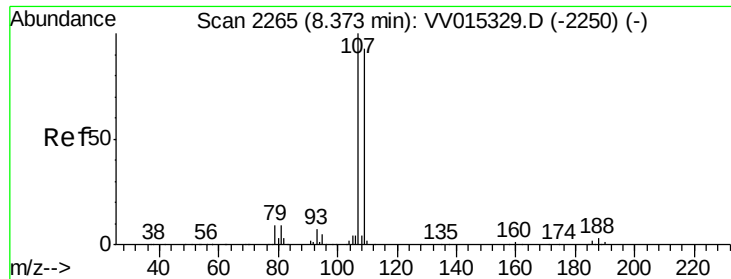
Tot Ion:	43	Resp:	496726
Ion	Ratio	Lower	Upper
43	100		
58	60.2	47.4	71.2
57	21.4	16.7	25.1
100	15.6	11.5	17.3



#49
Dibromochloromethane
Concen: 45.185 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015332.D
Acq: 01 Apr 2020 13:33

Tgt Ion:	129	Resp:	286663
Ion	Ratio	Lower	Upper
129	100		
127	79.8	55.2	102.6

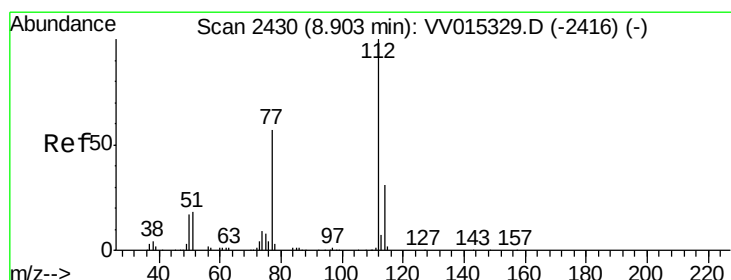
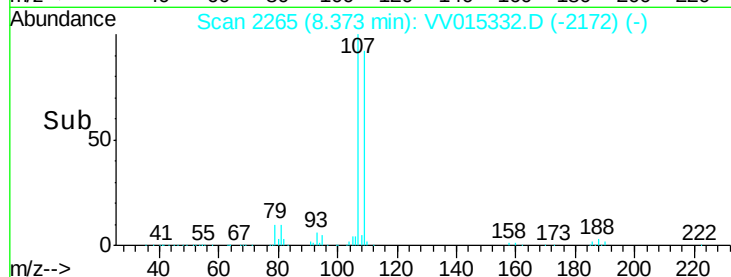
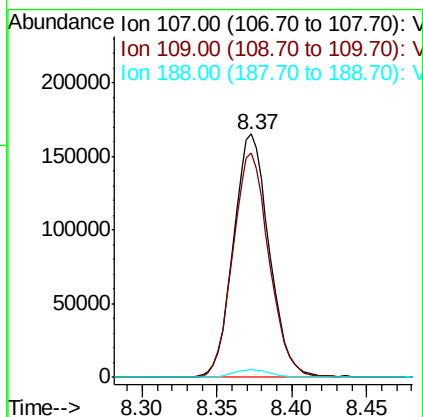
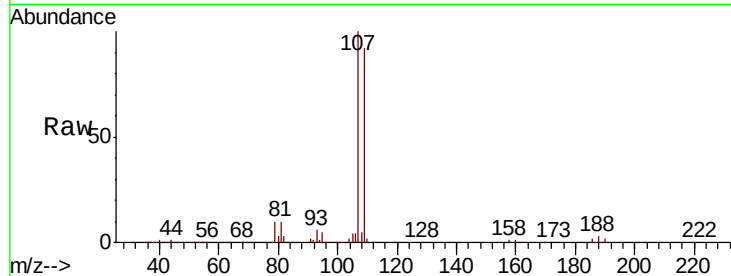




#50
 1,2-Dibromoethane
 Concen: 44.579 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015332.D
 Acq: 01 Apr 2020 13:33

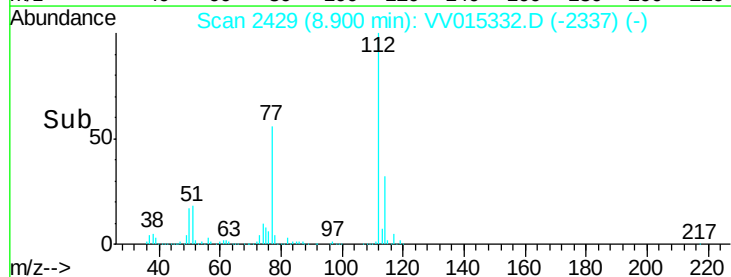
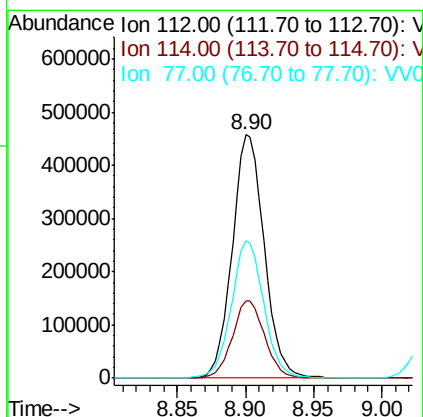
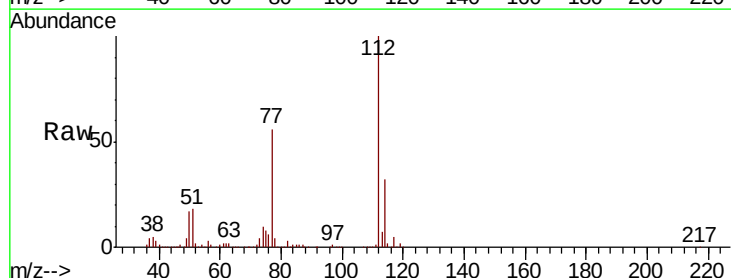
Instrument :
 MSVOA_V
 ClientSampleId :

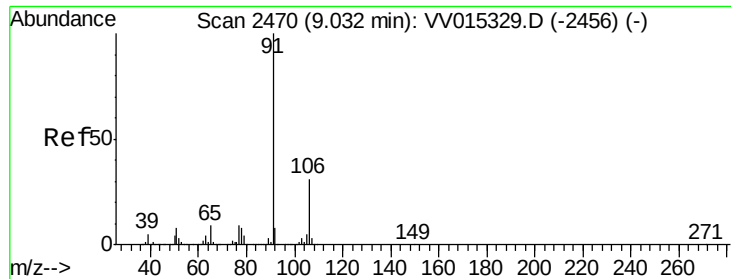
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	65.0	120.8
188	3.1	2.4	3.6



#51
 Chlorobenzene
 Concen: 45.686 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV015332.D
 Acq: 01 Apr 2020 13:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.8	40.4
77	56.5	46.2	69.2





#52

Ethylbenzene

Concen: 46.008 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

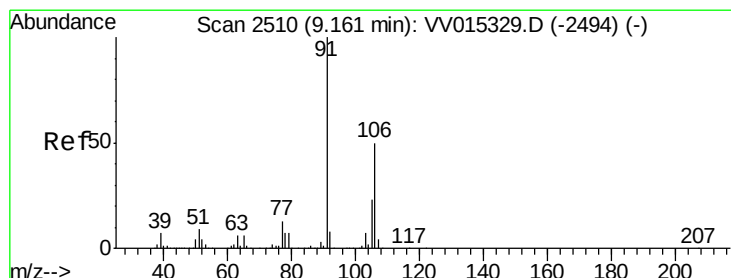
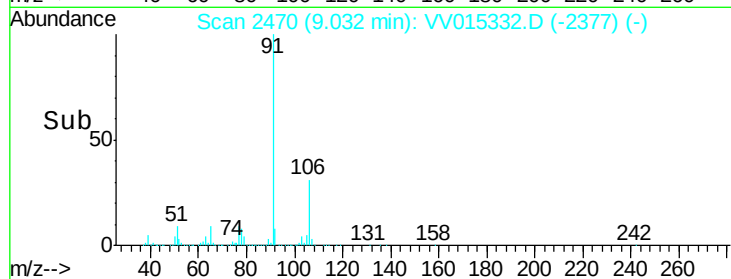
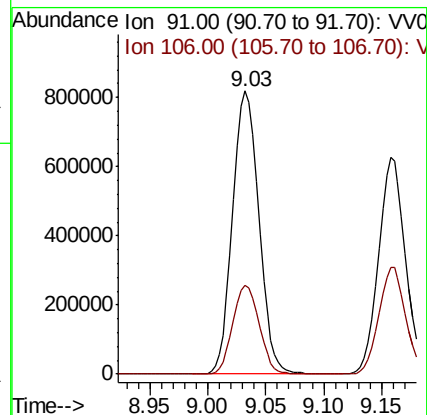
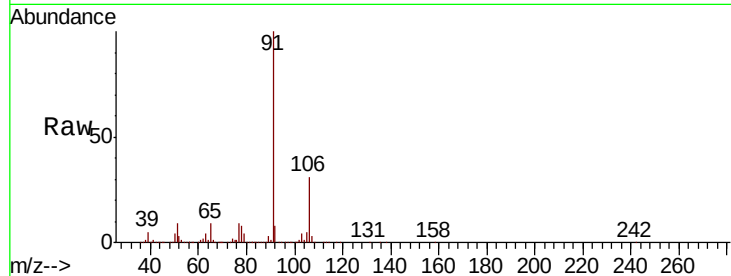
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1284572

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.6



#53

m,p-Xylene

Concen: 46.509 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015332.D

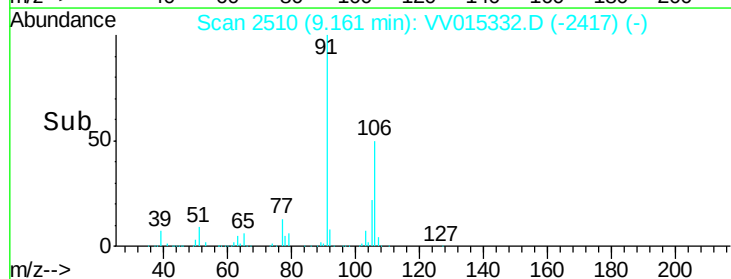
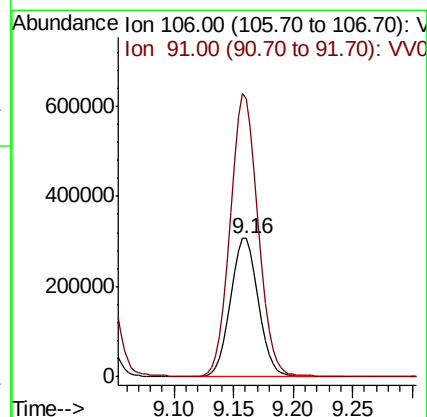
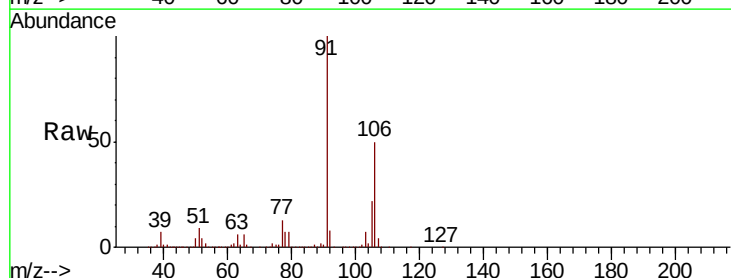
Acq: 01 Apr 2020 13:33

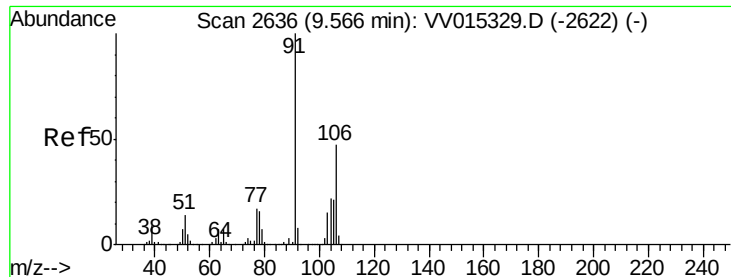
Tgt Ion: 106 Resp: 500038

Ion Ratio Lower Upper

106 100

91 201.2 139.7 259.5





#54

o-xylene

Concen: 45.930 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

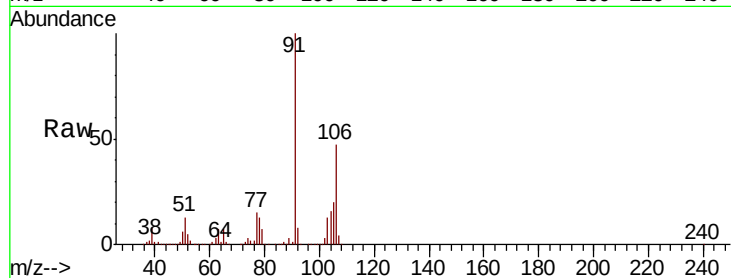
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 494637

Ion Ratio Lower Upper

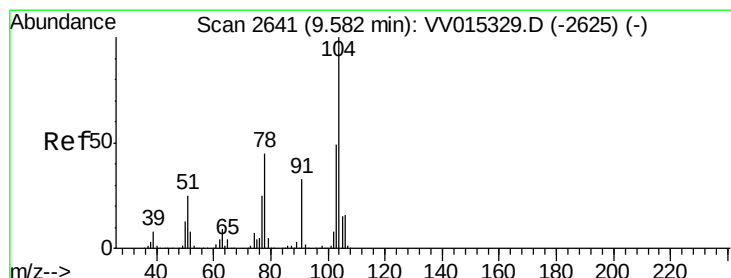
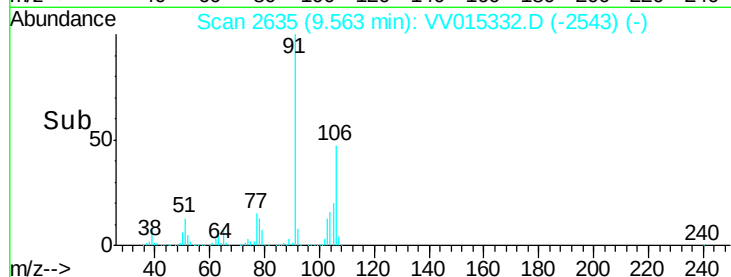
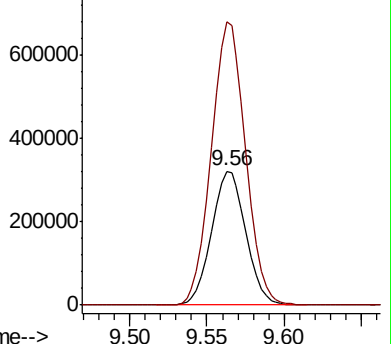
106 100

91 211.7 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 46.143 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015332.D

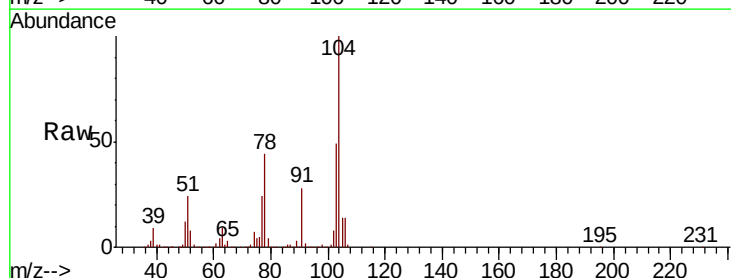
Acq: 01 Apr 2020 13:33

Tgt Ion:104 Resp: 826341

Ion Ratio Lower Upper

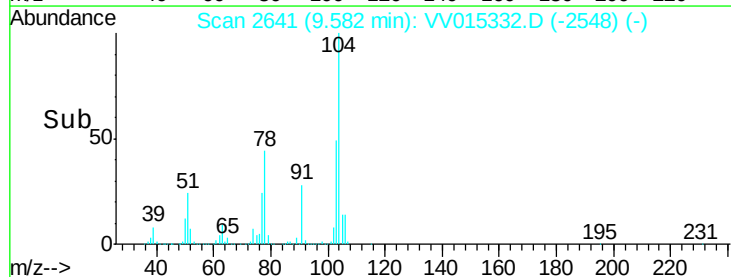
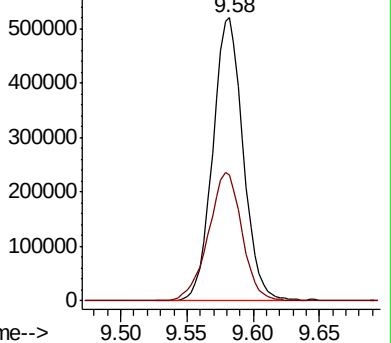
104 100

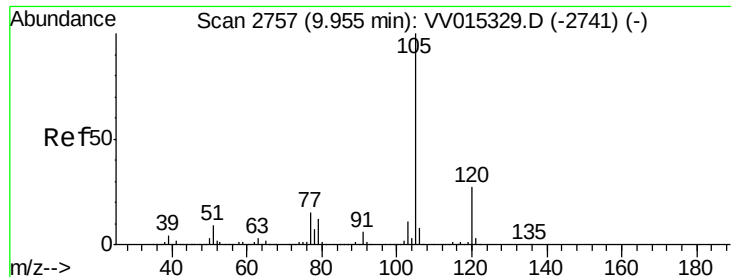
78 44.4 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

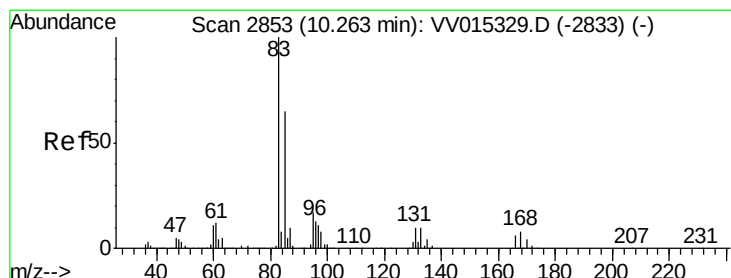
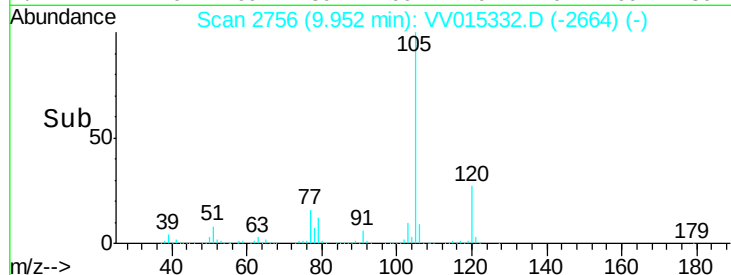
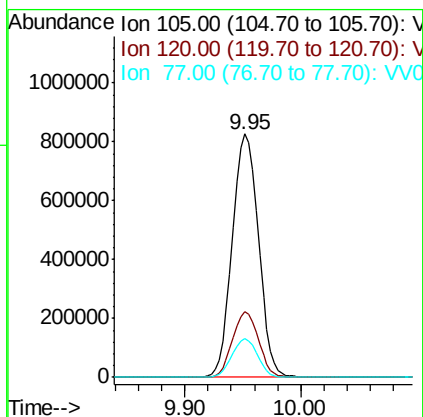
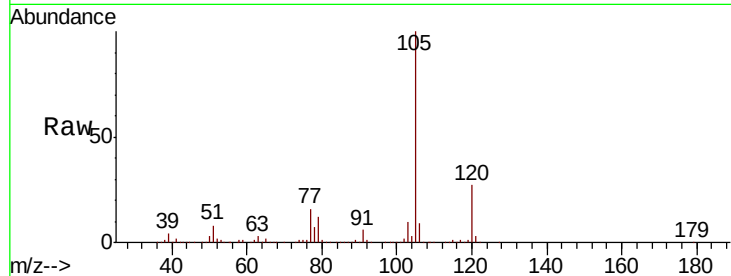




#56
Isopropylbenzene
Concen: 46.370 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV015332.D
Acq: 01 Apr 2020 13:33

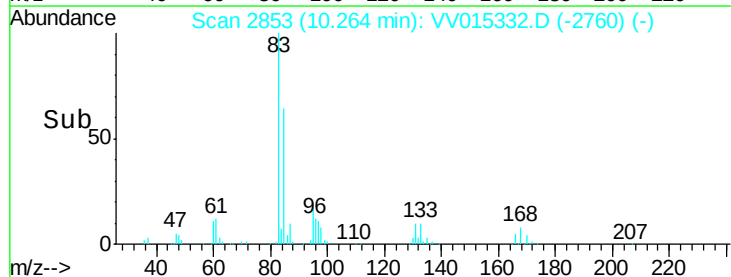
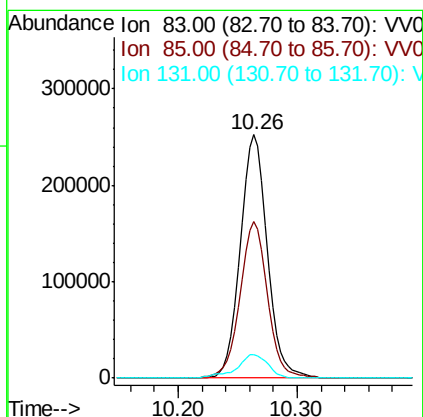
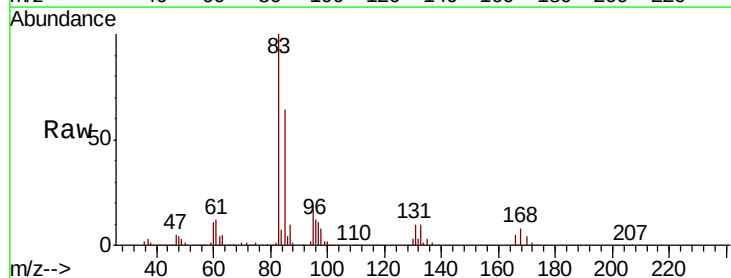
Instrument :
MSVOA_V
ClientSampleId :

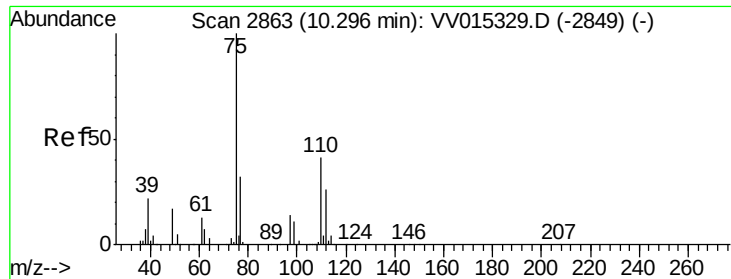
Tot Ion:105 Resp: 1293555
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.0
77 15.6 12.4 18.6



#58
1,1,2,2-Tetrachloroethane
Concen: 42.796 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. 0.00 min
Lab File: VV015332.D
Acq: 01 Apr 2020 13:33

Tgt Ion: 83 Resp: 398022
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.4
131 9.7 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 42.860 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :

MSVOA_V

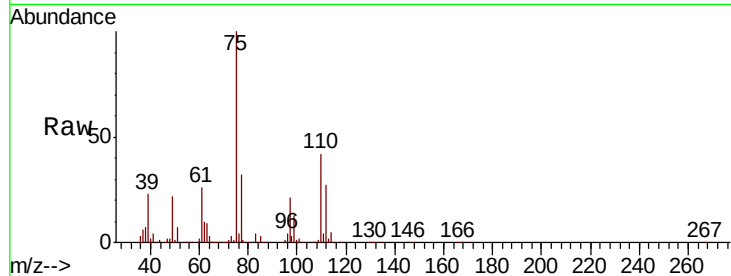
ClientSampleId :

Tot Ion: 75 Resp: 317921

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015332.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV015332.D (-2241) (-)

10.30

200000

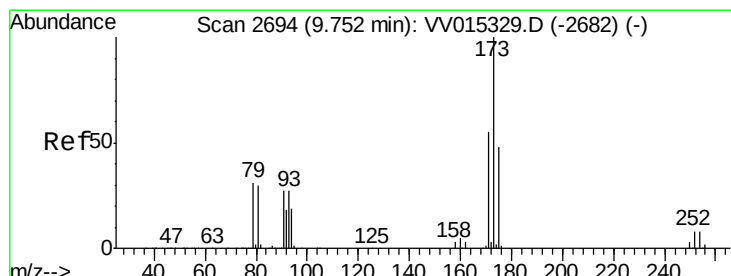
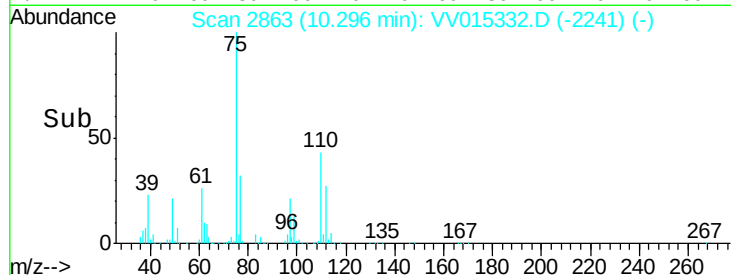
150000

100000

50000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 45.230 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

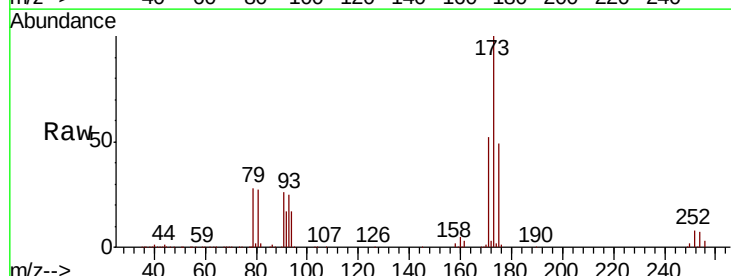
Tgt Ion: 173 Resp: 189204

Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.6

254 7.7 5.9 8.9



Abundance Ion 173.00 (172.70 to 173.70): VV015332.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV015332.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV015332.D (-2601) (-)

9.75

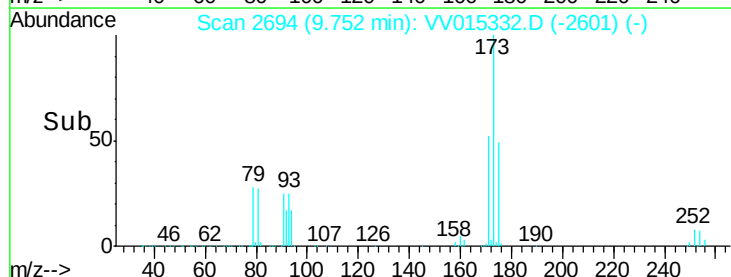
150000

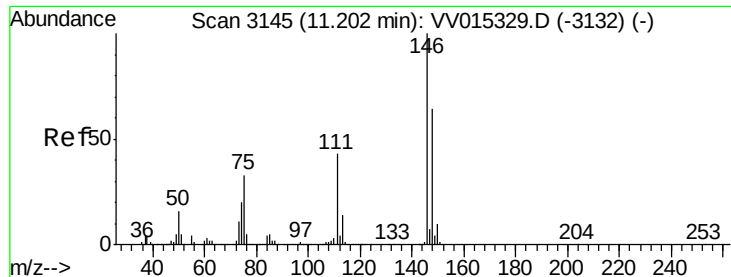
100000

50000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 46.046 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :

MSVOA_V

ClientSampled :

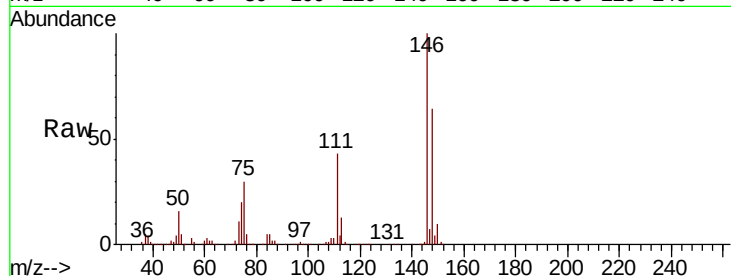
Tot Ion:146 Resp: 580529

Ion Ratio Lower Upper

146 100

111 42.8 30.2 56.2

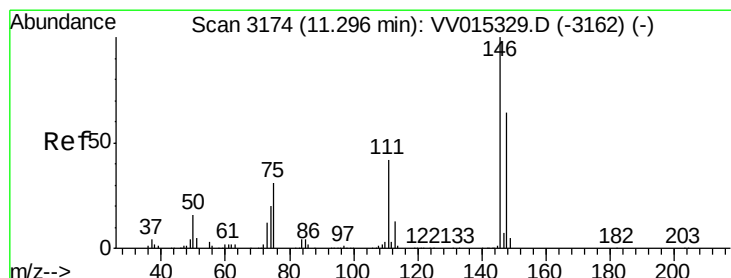
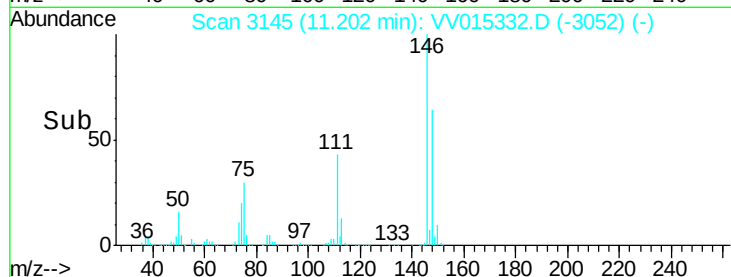
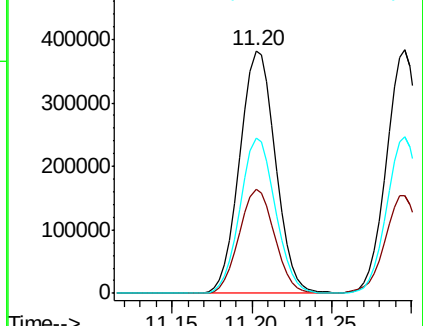
148 64.1 44.7 83.1



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: 45.640 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

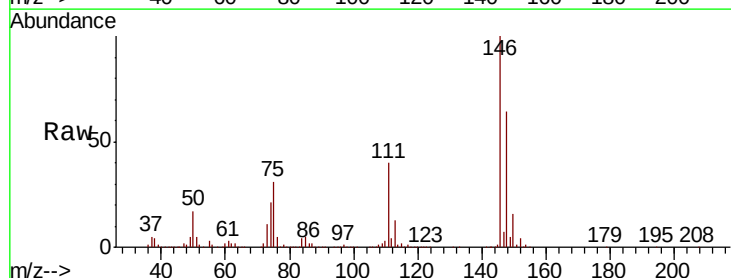
Tgt Ion:146 Resp: 583585

Ion Ratio Lower Upper

146 100

111 40.3 29.3 54.5

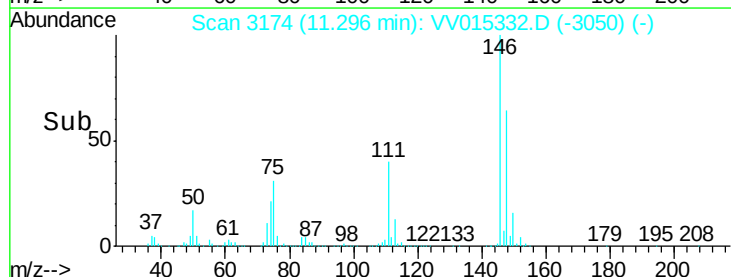
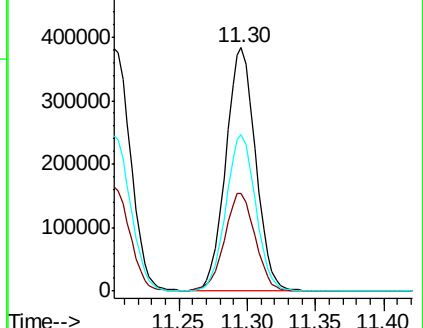
148 64.3 44.7 82.9

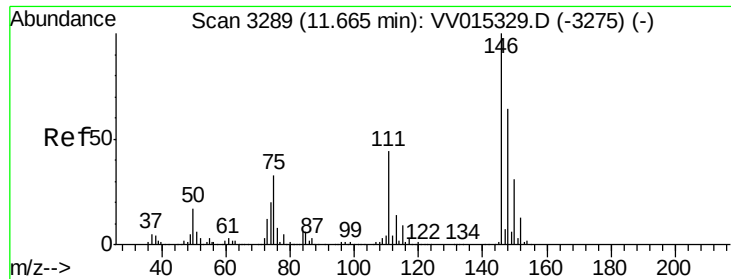


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 44.989 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :

MSVOA_V

ClientSampled :

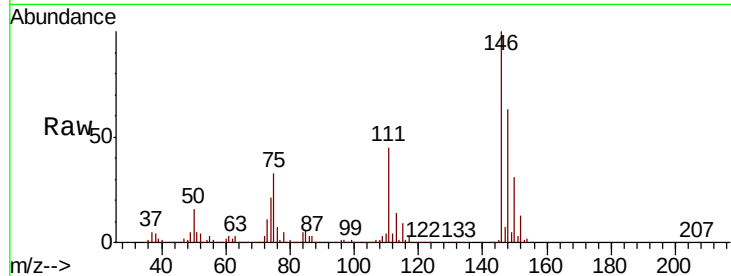
Tot Ion:146 Resp: 578518

Ion Ratio Lower Upper

146 100

111 44.6 35.1 52.7

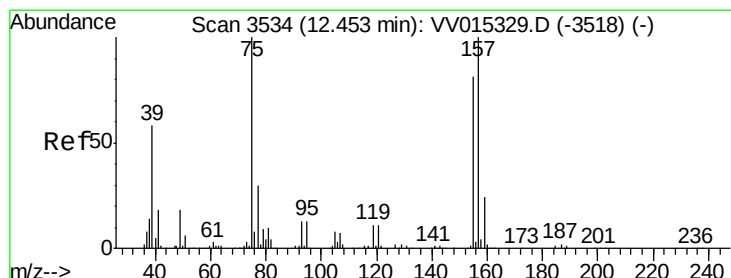
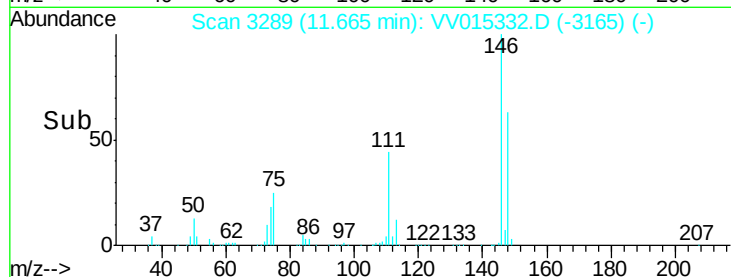
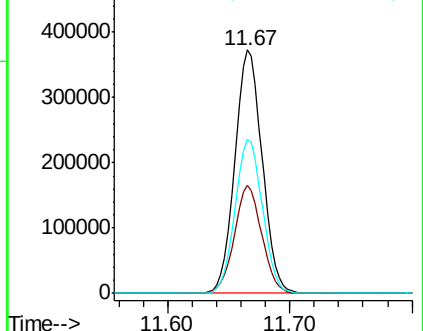
148 63.3 51.0 76.4



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: 40.867 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

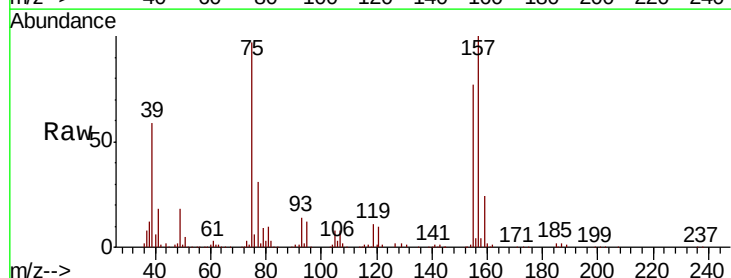
Tgt Ion: 75 Resp: 103769

Ion Ratio Lower Upper

75 100

155 79.4 64.5 96.7

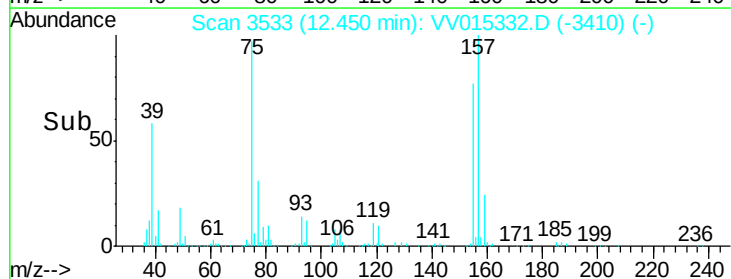
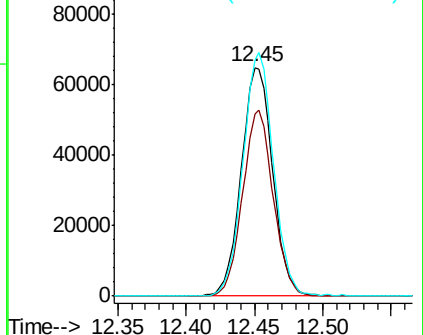
157 103.0 79.8 119.6

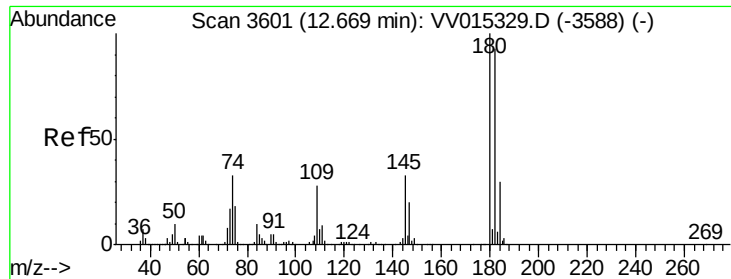


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

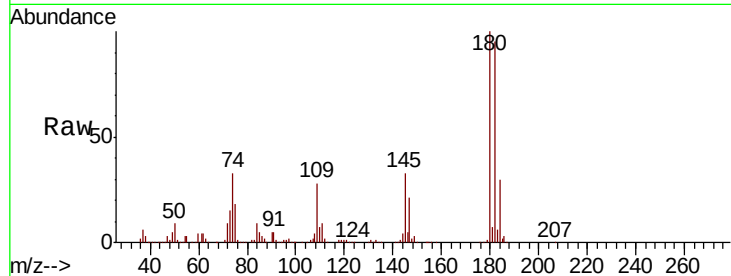




#67
 1,3,5-Trichlorobenzene
 Concen: 46.726 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015332.D
 Acq: 01 Apr 2020 13:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.7	112.1
184	29.8	23.7	35.5
145	32.5	26.8	40.2

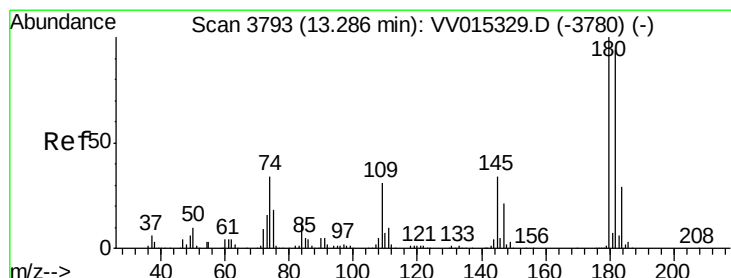
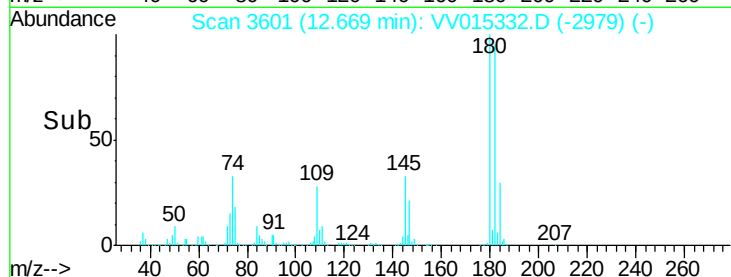
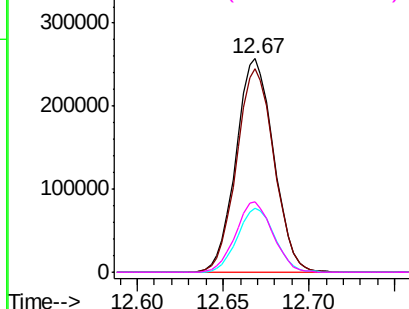


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

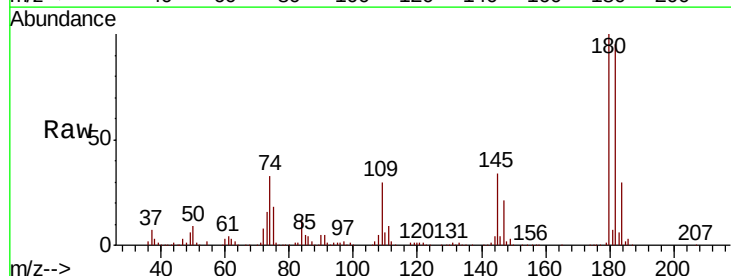
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.615 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015332.D
 Acq: 01 Apr 2020 13:33

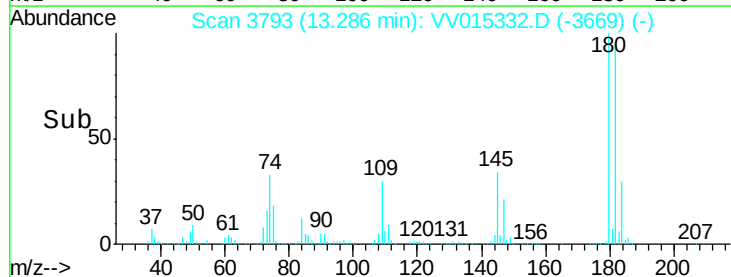
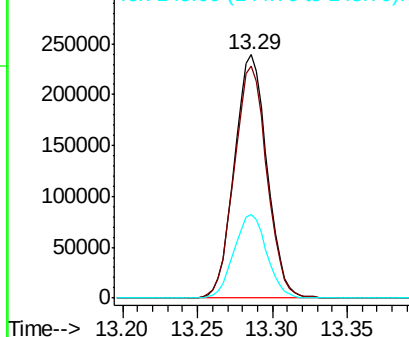
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.8
145	34.5	27.7	41.5

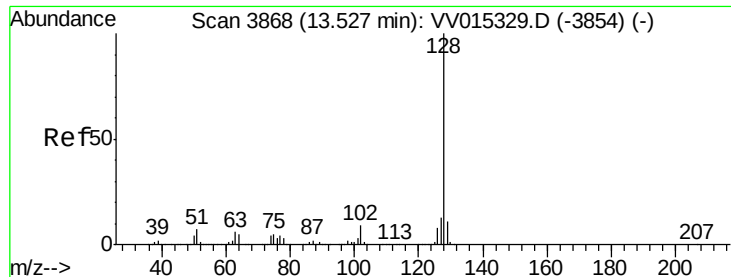


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 44.651 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

Instrument :

MSVOA_V

ClientSampled :

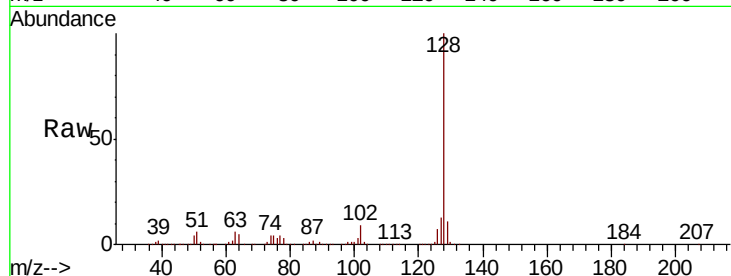
Tot Ion:128 Resp: 1302836

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

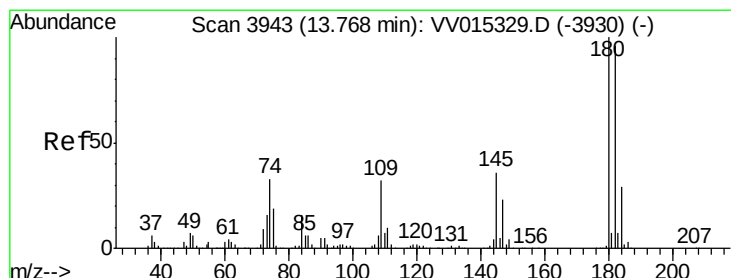
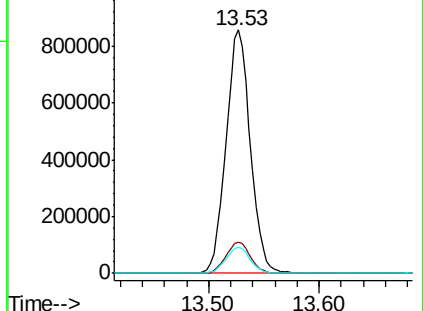
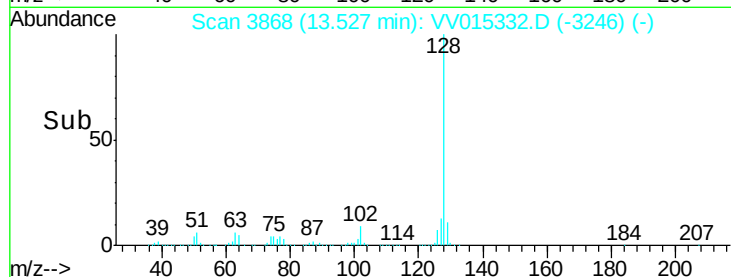
129 10.8 8.6 13.0



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: 46.417 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015332.D

Acq: 01 Apr 2020 13:33

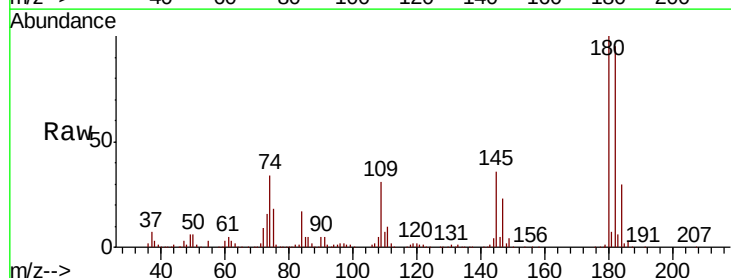
Tgt Ion:180 Resp: 364921

Ion Ratio Lower Upper

180 100

182 93.8 76.1 114.1

145 35.7 28.2 42.4



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

