

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015333.D
 Acq On : 01 Apr 2020 14:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 03:16:36 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	758406	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	734154	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	364173	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	283699	41.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.44%
7) Chloroethane-d5	1.58	69	232989	40.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.22%
11) 1,1-Dichloroethene-d2	2.12	63	528206	43.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.92%
21) 2-Butanone-d5	3.93	46	334142	92.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.45%
24) Chloroform-d	4.38	84	467764	41.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.34%
26) 1,2-Dichloroethane-d4	5.06	65	293087	41.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.82%
32) Benzene-d6	5.07	84	925993	40.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.92%
36) 1,2-Dichloropropane-d6	6.09	67	276456	41.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.94%
41) Toluene-d8	7.34	98	914708	42.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.62%
43) trans-1,3-Dichloropropene-	7.64	79	150879	40.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.92%
47) 2-Hexanone-d5	8.11	63	258374	84.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.87%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	410923	43.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	345817	41.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	316394	46.132	ug/L 98
3) Chloromethane	1.25	50	275895	42.685	ug/L 98
5) Vinyl chloride	1.32	62	288067	42.549	ug/L 99
6) Bromomethane	1.53	94	197760	44.188	ug/L 99
8) Chloroethane	1.60	64	185200	39.820	ug/L 98
9) Trichlorofluoromethane	1.76	101	535963	41.871	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	261375	45.694	ug/L 99
12) 1,1-Dichloroethene	2.13	96	244571	45.055	ug/L 96
13) Acetone	2.22	43	212288	89.481	ug/L 97
14) Carbon disulfide	2.31	76	670641	44.672	ug/L 100
15) Methyl Acetate	2.46	43	243126	46.792	ug/L 99
16) Methylene chloride	2.52	84	257174	44.800	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	236567	45.654	ug/L 97
18) Methyl tert-butyl Ether	2.79	73	786424	46.038	ug/L 99
19) 1,1-Dichloroethane	3.21	63	413754	43.886	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	270000	45.537	ug/L # 93
22) 2-Butanone	4.02	43	337488	96.154	ug/L 96

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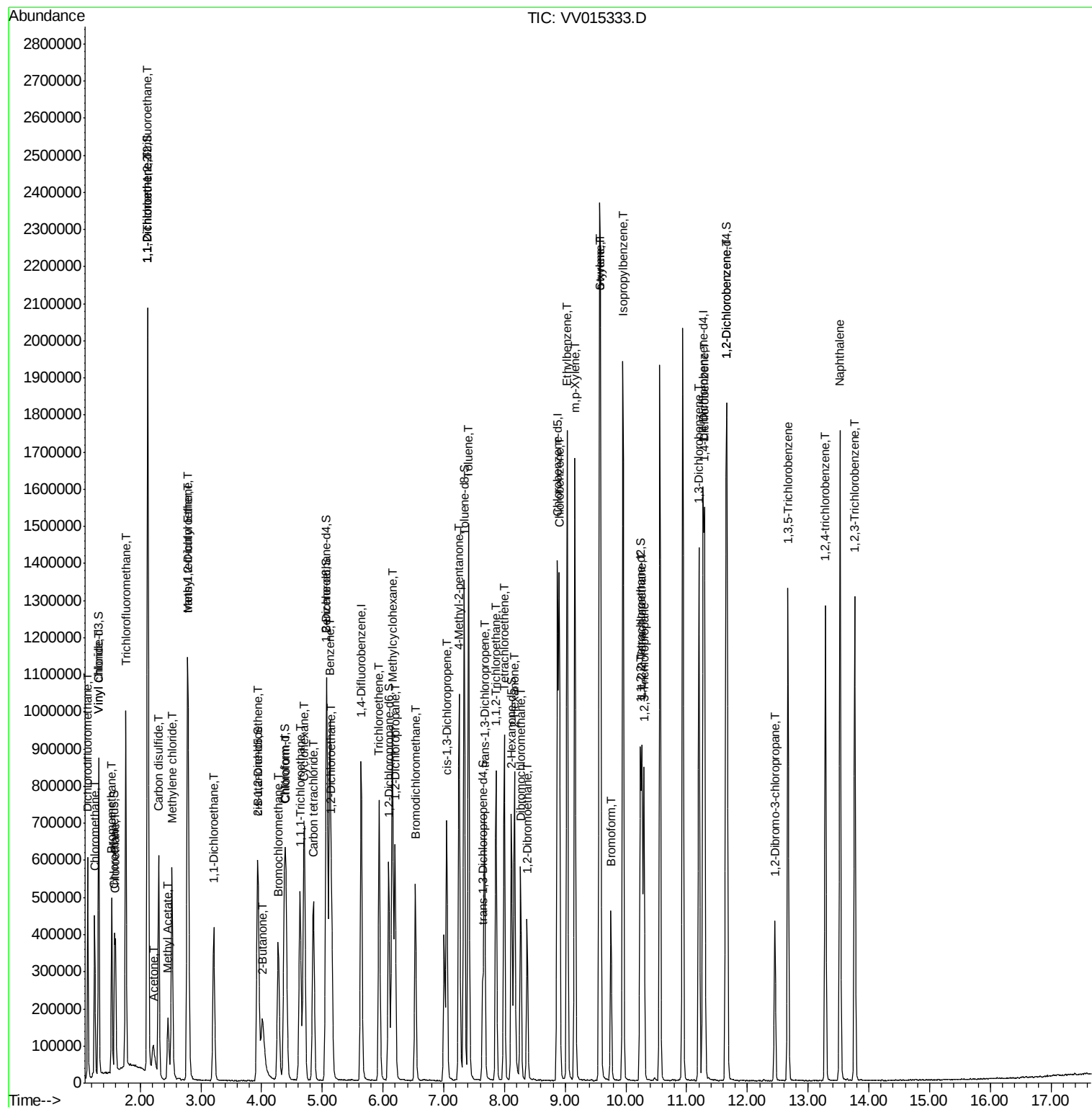
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	137514	45.921	ug/L	97
25) Chloroform	4.40	83	453836	44.391	ug/L	98
27) 1,2-Dichloroethane	5.15	62	341194	44.310	ug/L	99
29) Cyclohexane	4.70	56	390839	44.746	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	417141	44.217	ug/L	99
31) Carbon tetrachloride	4.85	117	364228	45.157	ug/L	100
33) Benzene	5.13	78	973283	44.790	ug/L	100
34) Trichloroethene	5.94	95	263407	45.781	ug/L	98
35) Methylcyclohexane	6.15	83	425998	45.192	ug/L	98
37) 1,2-Dichloropropane	6.20	63	241948	45.367	ug/L	99
38) Bromodichloromethane	6.53	83	348856	44.619	ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	413797	46.170	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	693993	92.565	ug/L	99
42) Toluene	7.41	91	1095397	45.359	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	396504	45.529	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	257685	45.820	ug/L	98
46) Tetrachloroethene	8.00	164	197321	47.837	ug/L	95
48) 2-Hexanone	8.16	43	532687	93.827	ug/L	99
49) Dibromochloromethane	8.27	129	285394	46.338	ug/L	100
50) 1,2-Dibromoethane	8.37	107	281852	46.949	ug/L	99
51) Chlorobenzene	8.90	112	718350	45.386	ug/L	99
52) Ethylbenzene	9.03	91	1226545	45.250	ug/L	98
53) m,p-Xylene	9.16	106	488087	46.763	ug/L	99
54) o-xylene	9.57	106	480749	45.983	ug/L	98
55) Styrene	9.58	104	810744	46.633	ug/L	99
56) Isopropylbenzene	9.95	105	1246979	46.044	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	408558	45.250	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	328954	45.680	ug/L	100
61) Bromoform	9.75	173	191026	46.960	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	559456	45.633	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	567633	45.651	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	561803	44.927	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	105994	42.927	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	377193	46.423	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	355383	47.884	ug/L	99
69) Naphthalene	13.53	128	1341453	47.278	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	360922	47.210	ug/L	99

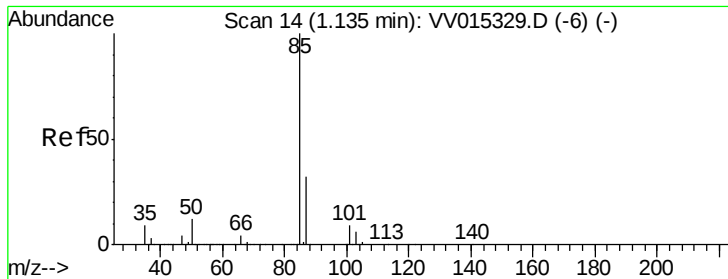
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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QLast Update : Thu Apr 02 02:22:09 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 46.132 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

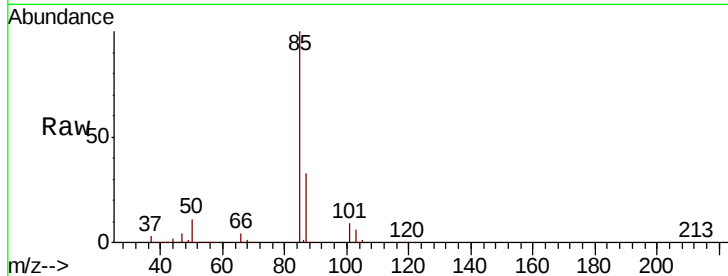
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 316394

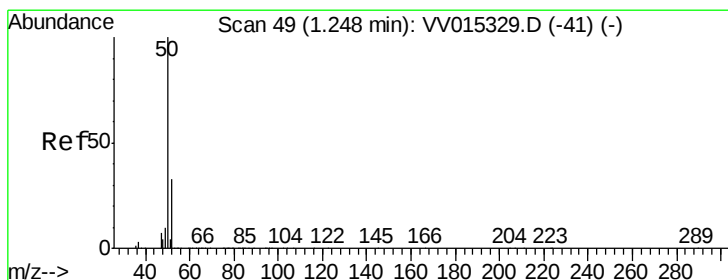
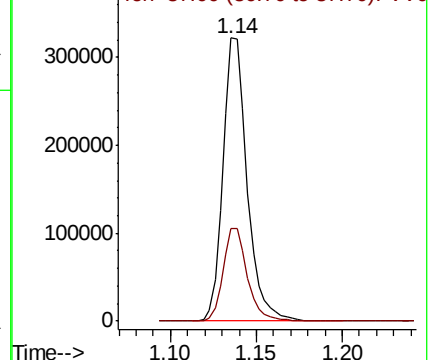
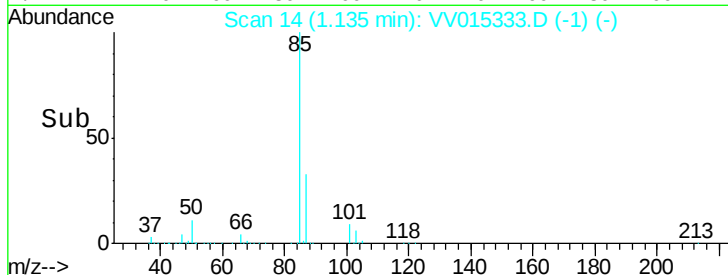
Ion Ratio Lower Upper

85 100

87 32.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV015333.D (-1) (-)



#3

Chloromethane

Concen: 42.685 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015333.D

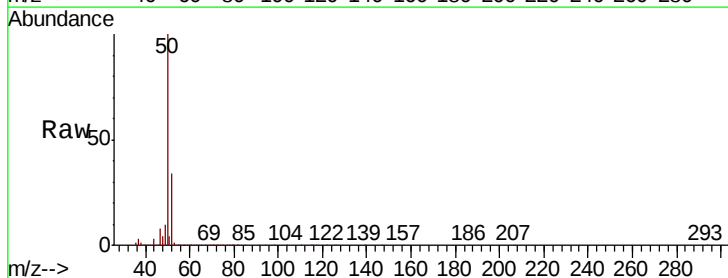
Acq: 01 Apr 2020 14:00

Tgt Ion: 50 Resp: 275895

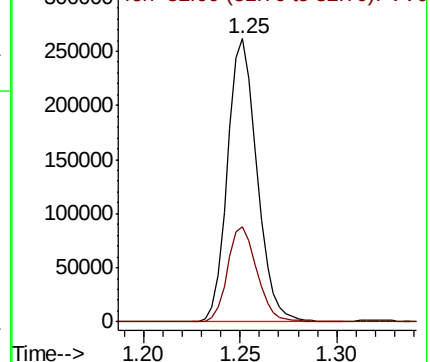
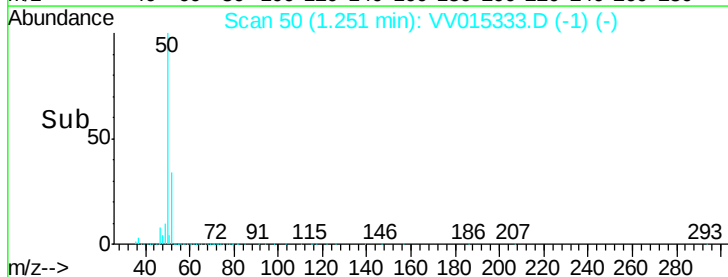
Ion Ratio Lower Upper

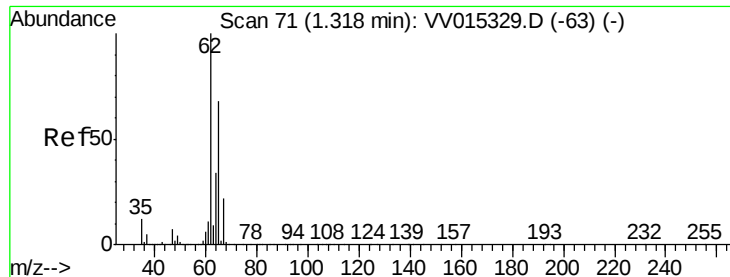
50 100

52 33.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV015333.D (-1) (-)





#5

Vinyl chloride

Concen: 42.549 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

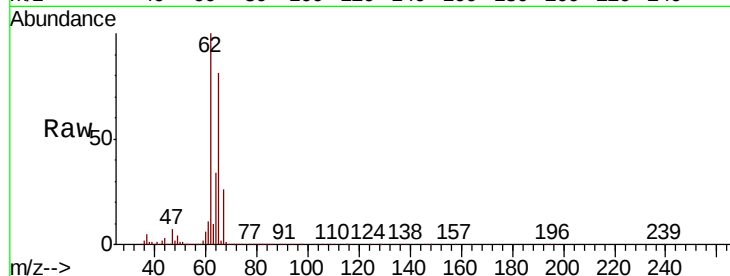
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 288067

Ion Ratio Lower Upper

62 100

64 34.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

300000

250000

200000

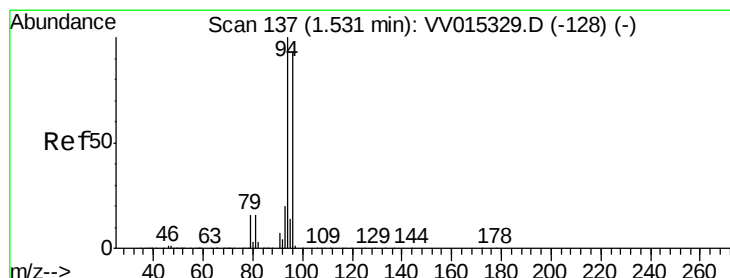
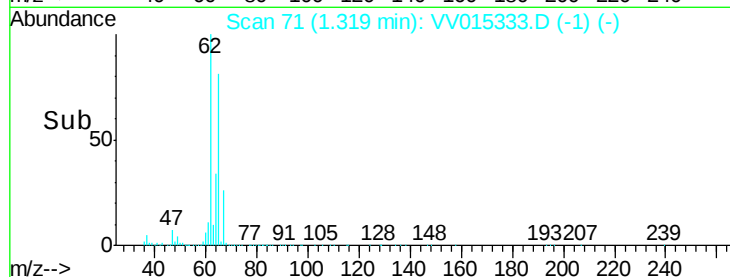
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 44.188 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015333.D

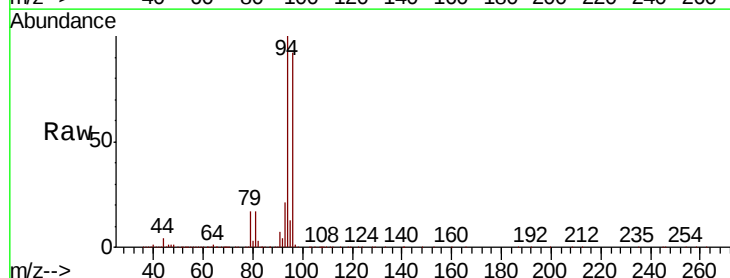
Acq: 01 Apr 2020 14:00

Tgt Ion: 94 Resp: 197760

Ion Ratio Lower Upper

94 100

96 92.4 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

200000

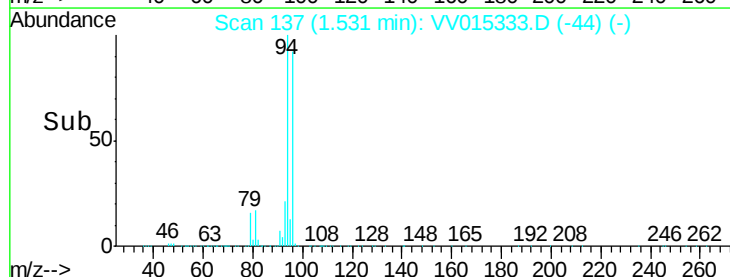
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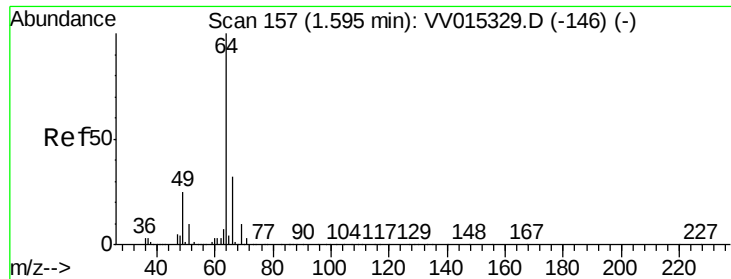
100000

50000

0

Time--> 1.50 1.55 1.60

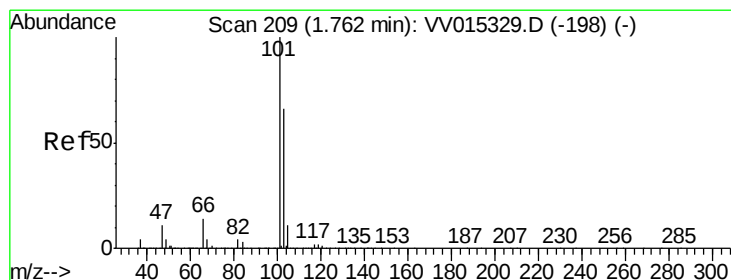
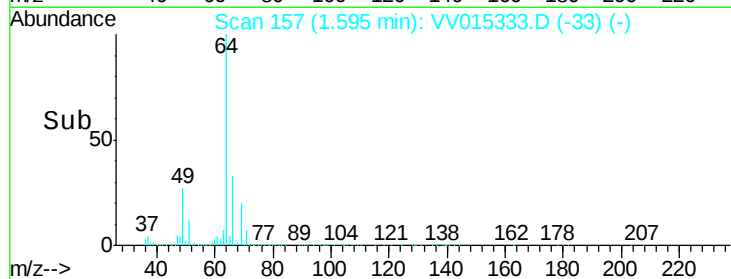
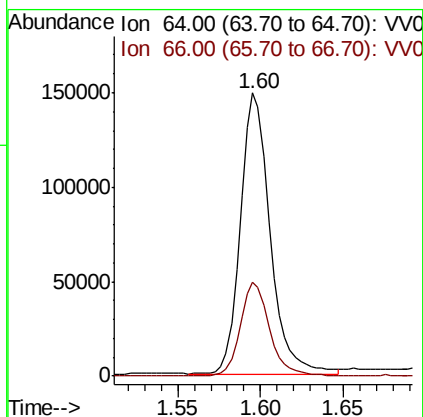
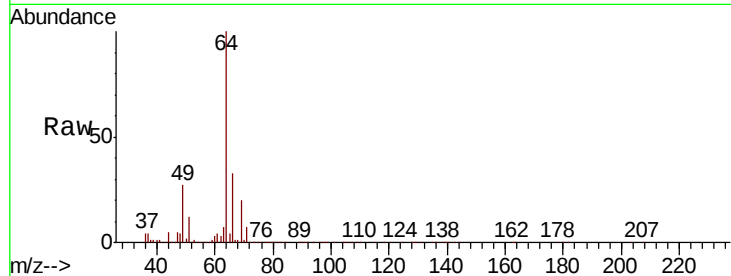




#8
Chloroethane
Concen: 39.820 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015333.D
Acq: 01 Apr 2020 14:00

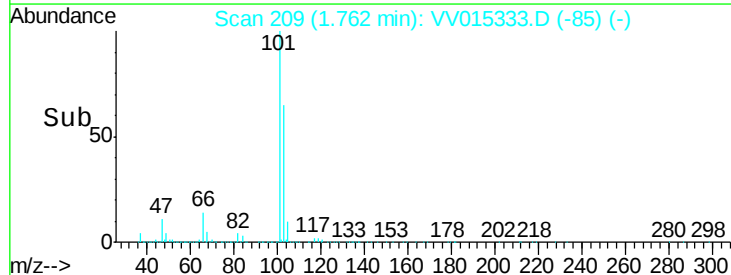
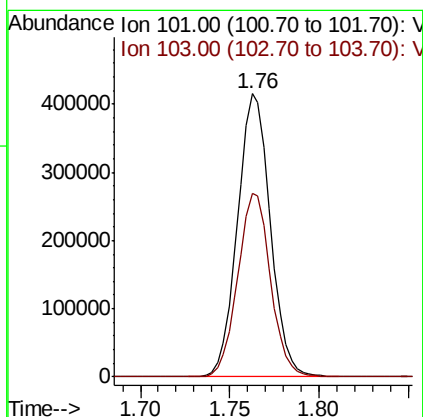
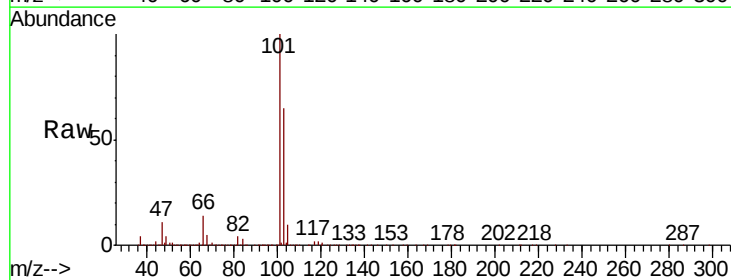
Instrument :
MSVOA_V
ClientSampleId :

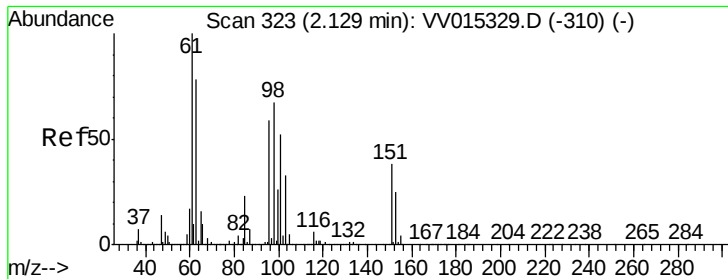
Tot Ion: 64 Resp: 185200
Ion Ratio Lower Upper
64 100
66 33.1 22.3 41.3



#9
Trichlorofluoromethane
Concen: 41.871 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV015333.D
Acq: 01 Apr 2020 14:00

Tgt Ion:101 Resp: 535963
Ion Ratio Lower Upper
101 100
103 64.7 52.3 78.5





#10

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

Concen: 45.694 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015333.D

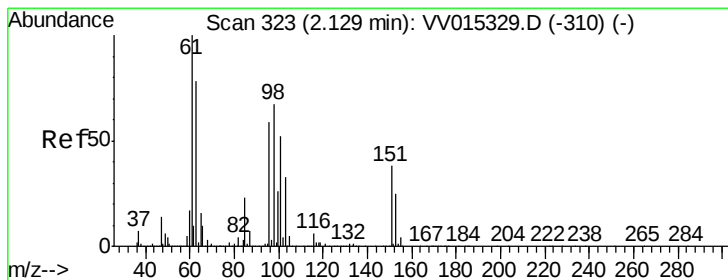
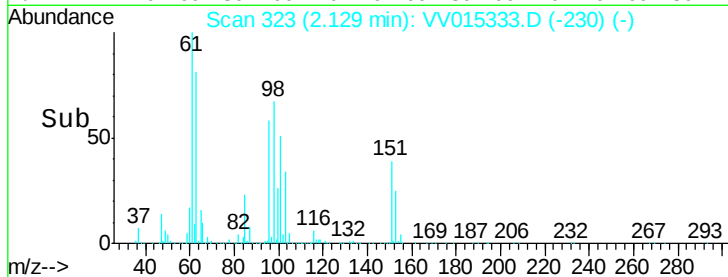
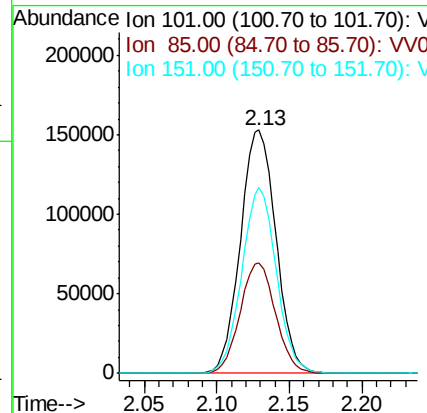
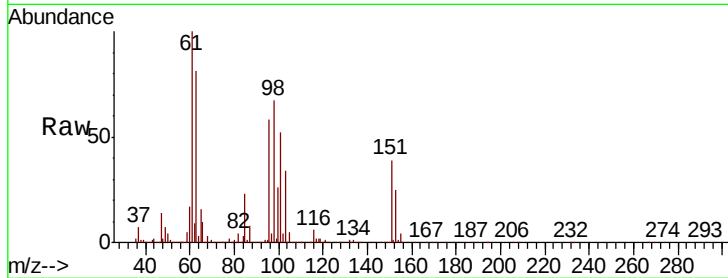
Acq: 01 Apr 2020 14:00

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:	101	Resp:	261375
Ion	Ratio	Lower	Upper
101	100		
85	44.8	36.1	54.1
151	74.2	58.2	87.4



#12

1,1-Dichloroethene

Concen: 45.055 ug/L

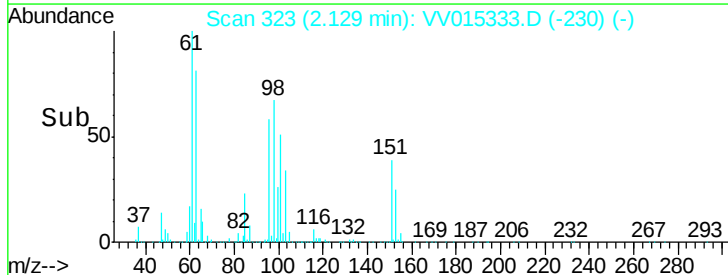
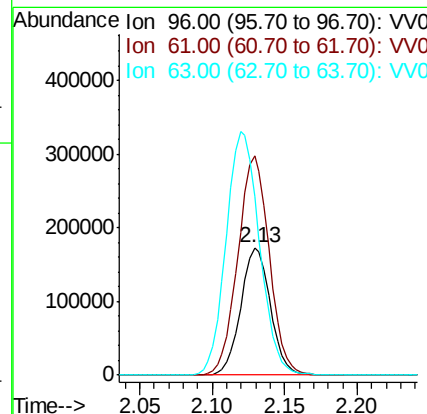
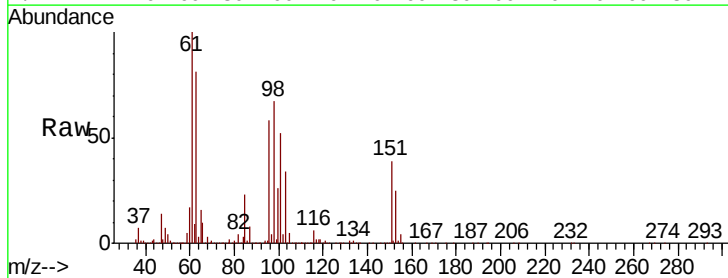
RT: 2.13 min Scan# 323

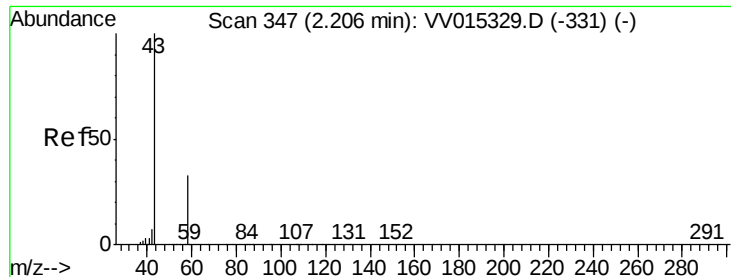
Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Tgt Ion:	96	Resp:	244571
Ion	Ratio	Lower	Upper
96	100		
61	172.0	118.0	219.2
63	139.7	92.3	171.3





#13

Acetone

Concen: 89.481 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

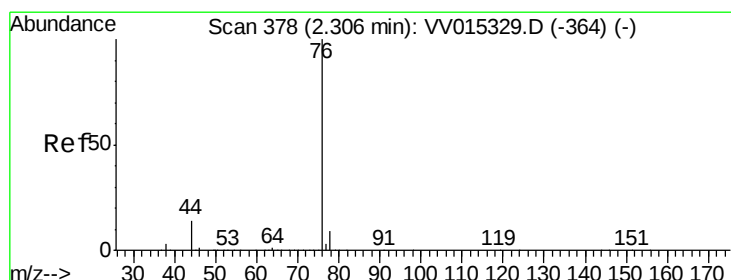
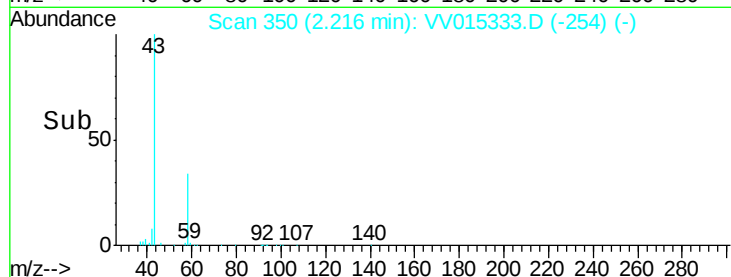
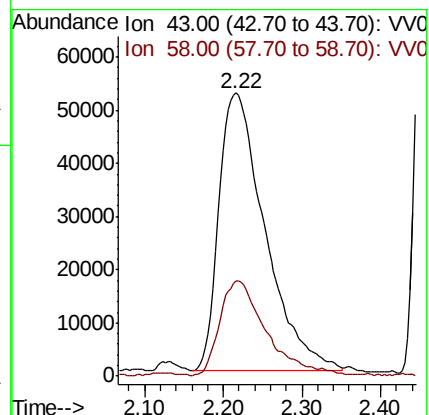
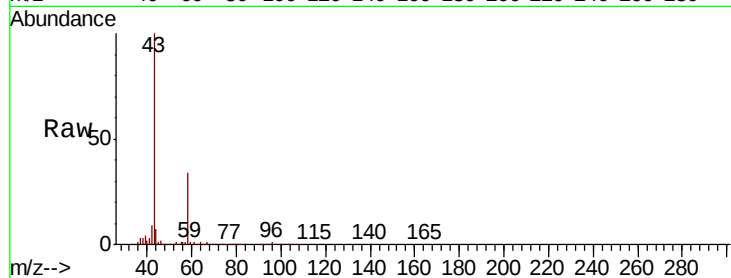
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 212288

Ion Ratio Lower Upper

43 100

58 32.6 0.0 68.2



#14

Carbon disulfide

Concen: 44.672 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015333.D

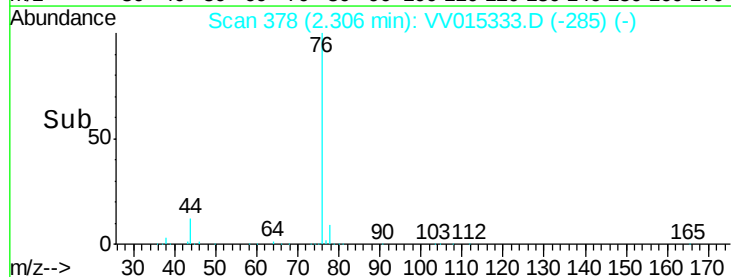
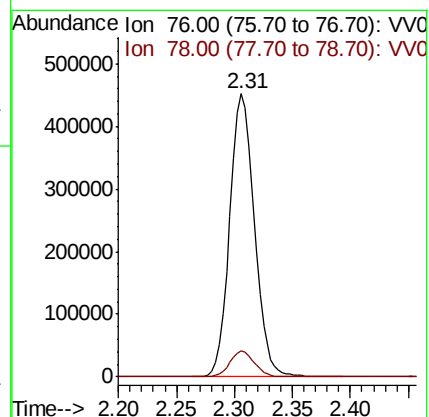
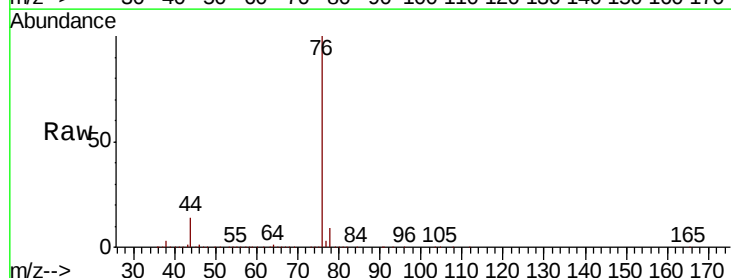
Acq: 01 Apr 2020 14:00

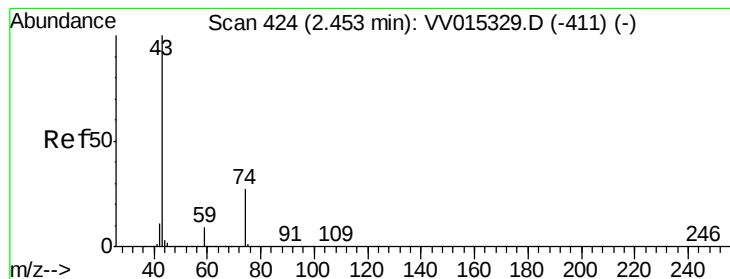
Tgt Ion: 76 Resp: 670641

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methvl Acetate

Concen: 46.792 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

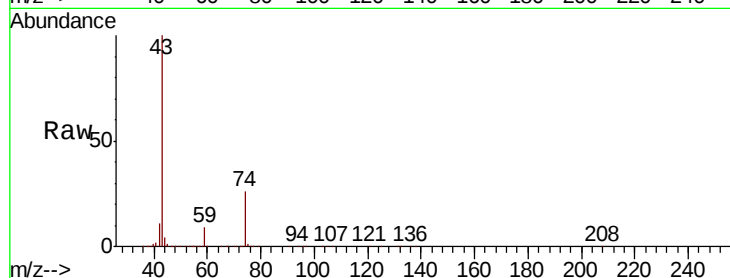
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 243126

Ion Ratio Lower Upper

43 100

74 26.8 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.46

120000

100000

80000

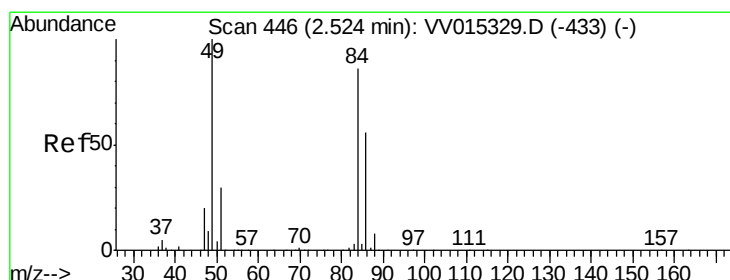
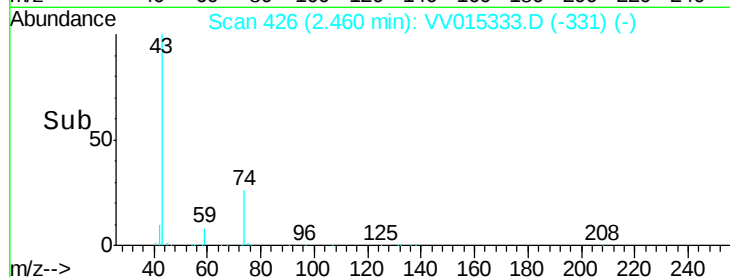
60000

40000

20000

0

Time-->



#16

Methylene chloride

Concen: 44.800 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

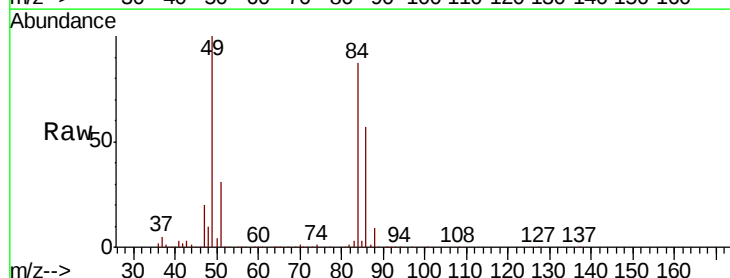
Tgt Ion: 84 Resp: 257174

Ion Ratio Lower Upper

84 100

86 65.7 45.1 83.9

49 115.1 81.2 150.8



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

2.52

200000

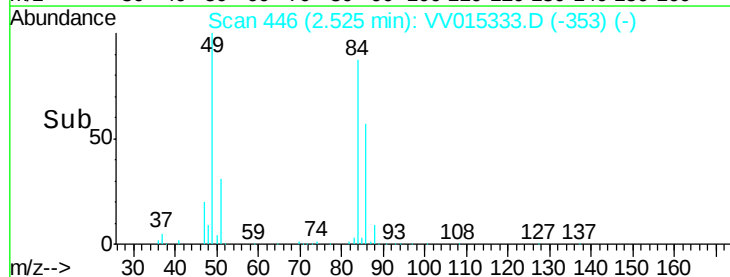
150000

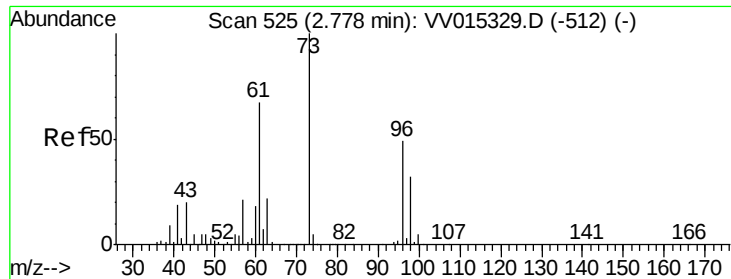
100000

50000

0

Time-->

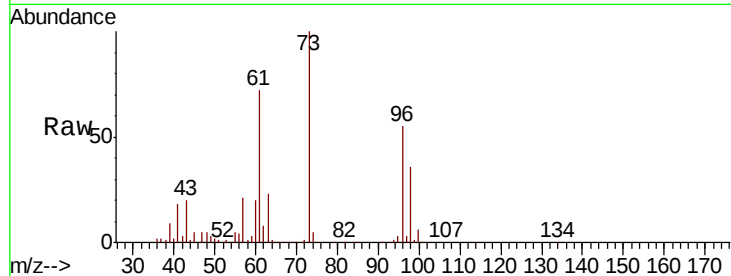




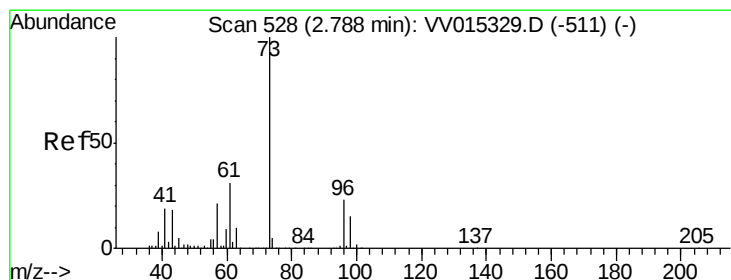
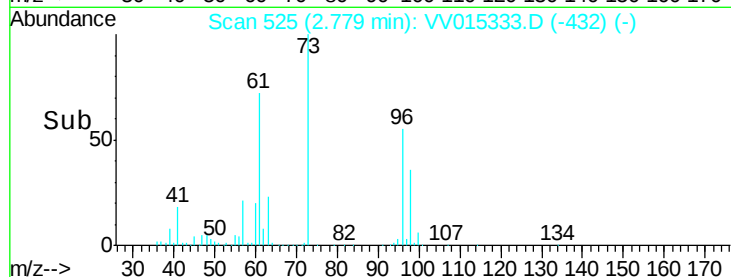
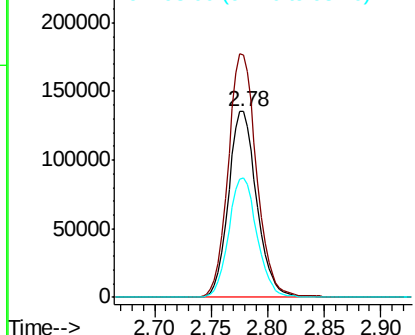
#17
trans-1,2-Dichloroethene
Concen: 45.654 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015333.D
Acq: 01 Apr 2020 14:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	95.2	176.8
98	64.4	45.1	83.9

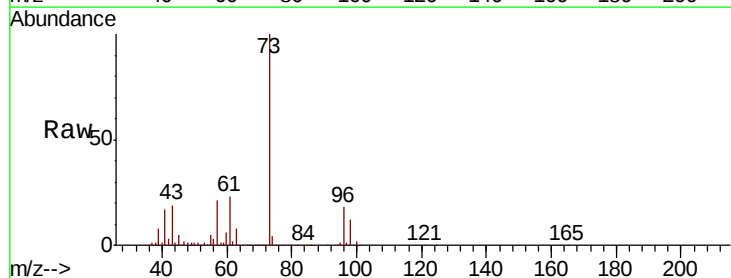


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

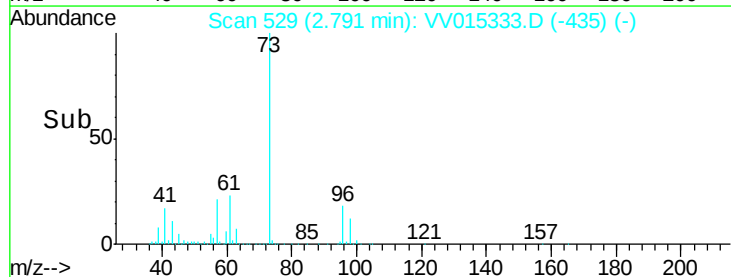
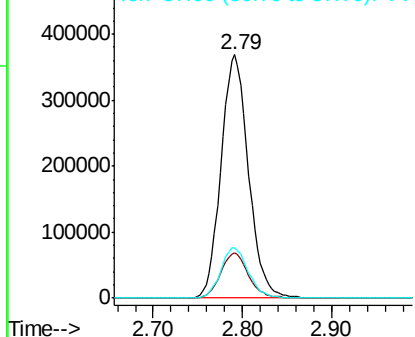


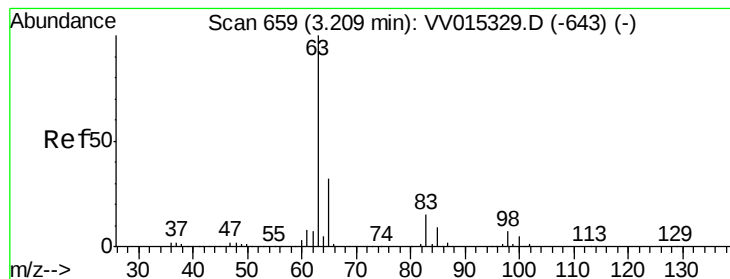
#18
Methyl tert-butyl Ether
Concen: 46.038 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015333.D
Acq: 01 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.5	15.4	23.0
57	20.4	16.3	24.5



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





#19

1,1-Dichloroethane

Concen: 43.886 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Instrument :

MSVOA_V

ClientSampleId :

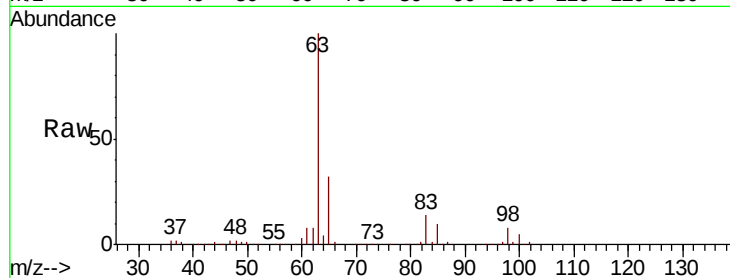
Tot Ion: 63 Resp: 413754

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.5

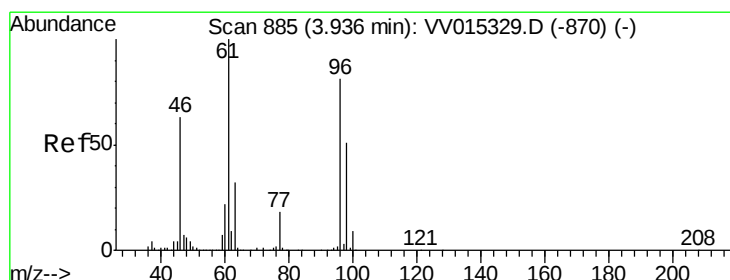
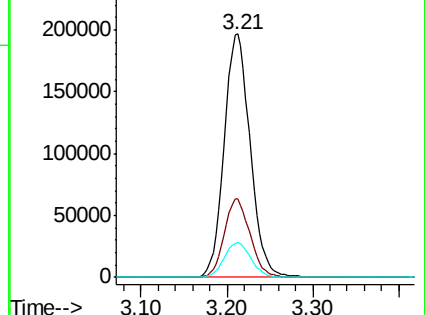
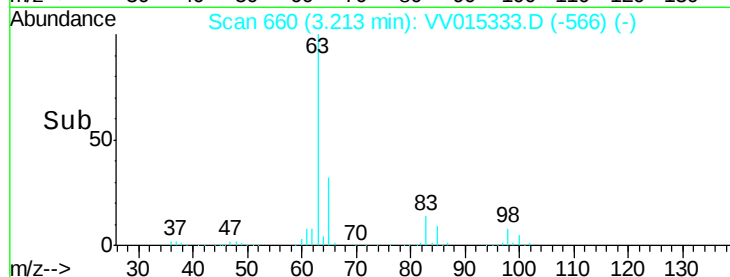
83 14.3 10.2 19.0



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: 45.537 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

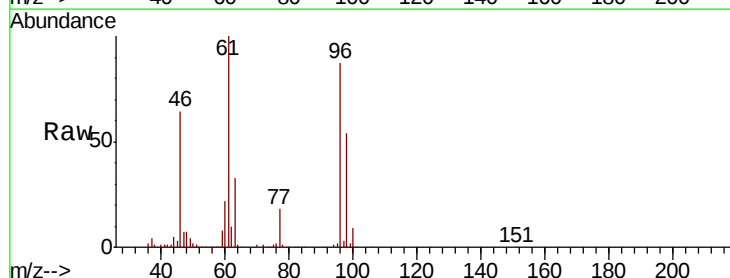
Tgt Ion: 96 Resp: 270000

Ion Ratio Lower Upper

96 100

61 115.0 86.4 160.4

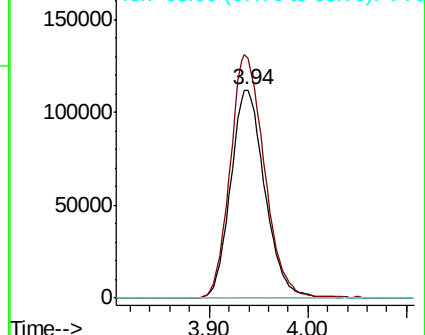
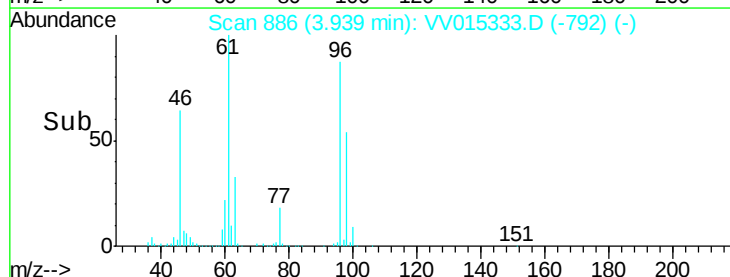
68 0.0 0.1 0.3#

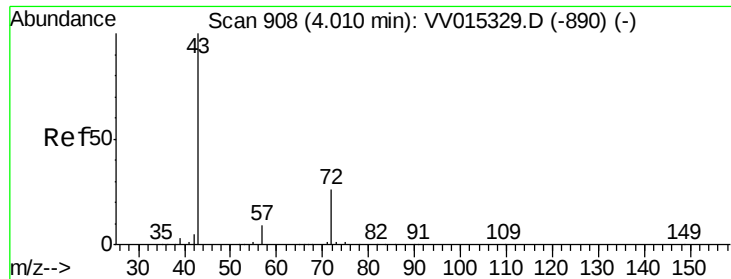


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 96.154 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

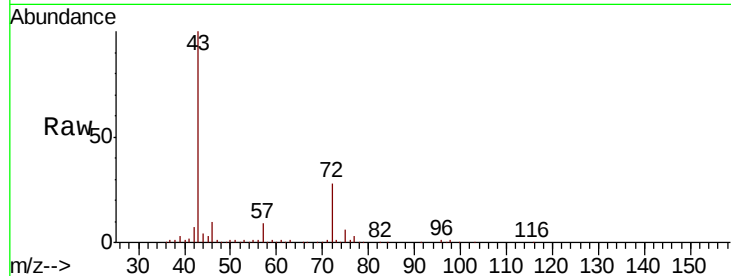
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 337488

Ion Ratio Lower Upper

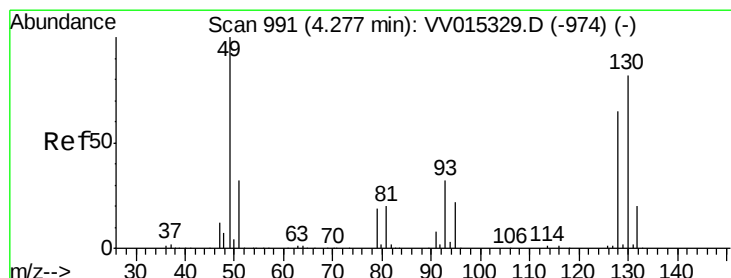
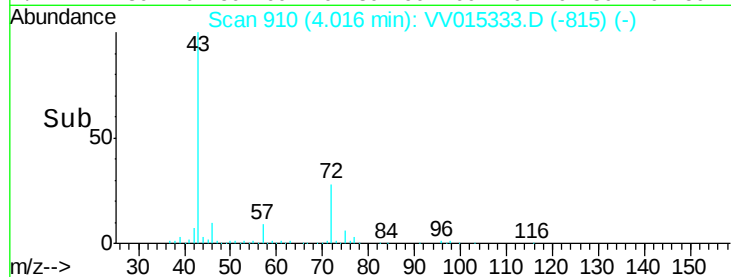
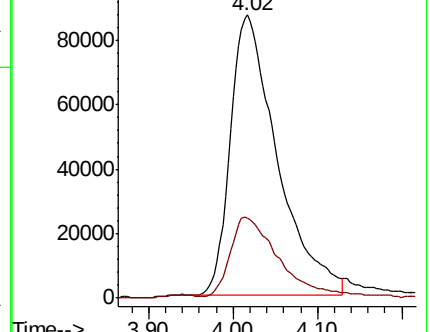
43 100

72 28.5 13.3 39.8



Abundance Ion 43.00 (42.70 to 43.70): VV015333.D (-815) (-)

Ion 72.00 (71.70 to 72.70): VV015333.D (-815) (-)



#23

Bromochloromethane

Concen: 45.921 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Tgt Ion: 128 Resp: 137514

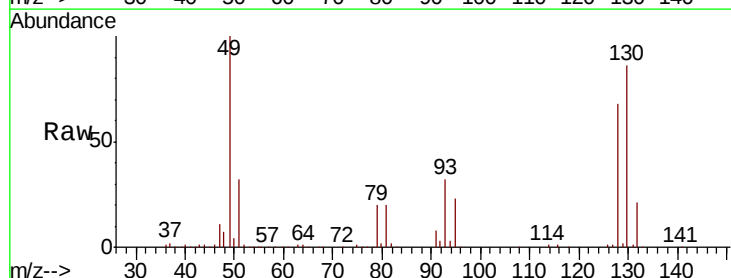
Ion Ratio Lower Upper

128 100

49 146.5 107.5 199.7

130 126.7 87.7 162.9

51 46.5 38.8 58.2

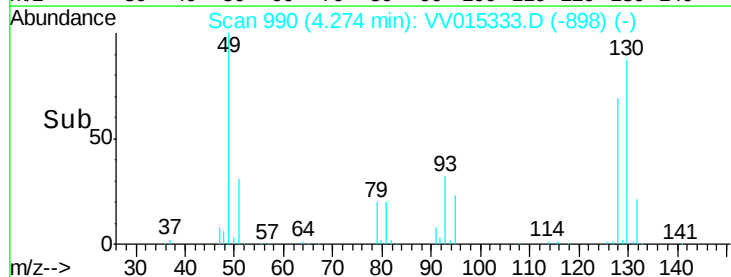
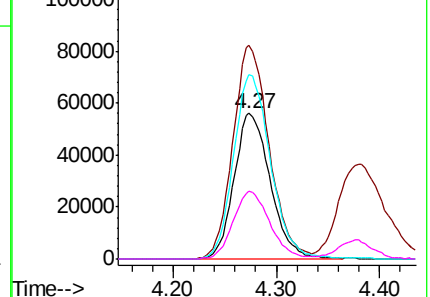


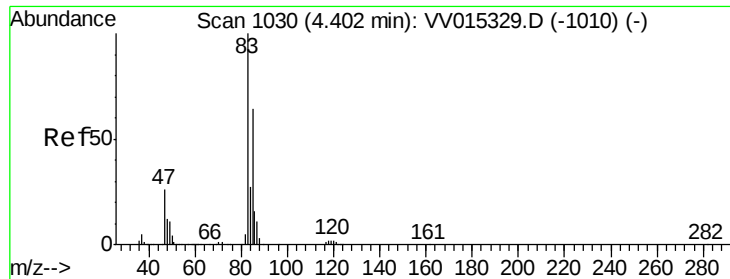
Abundance Ion 128.00 (127.70 to 128.70): VV015333.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV015333.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV015333.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV015333.D (-898) (-)

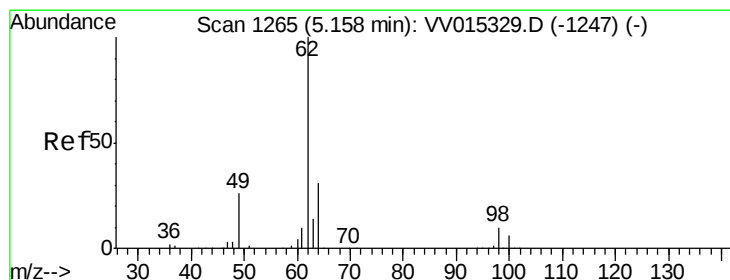
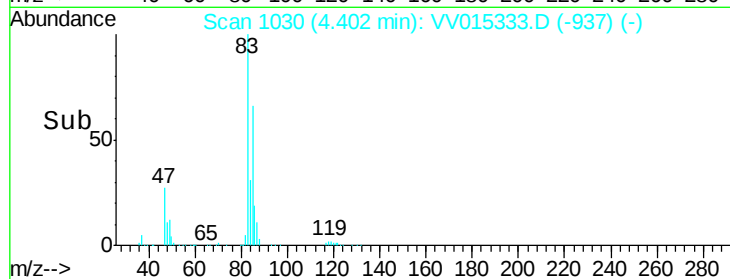
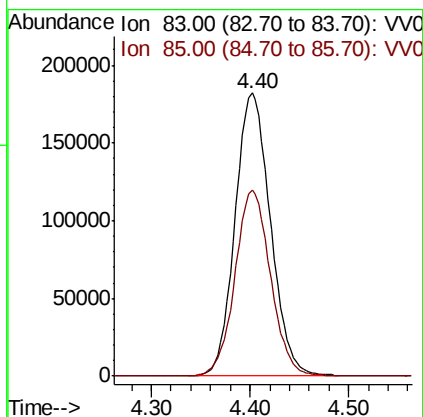
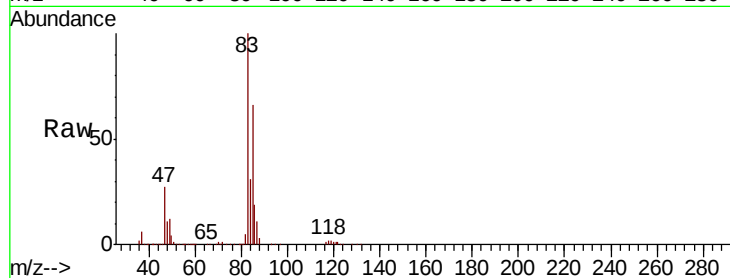




#25
Chloroform
Concen: 44.391 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015333.D
Acq: 01 Apr 2020 14:00

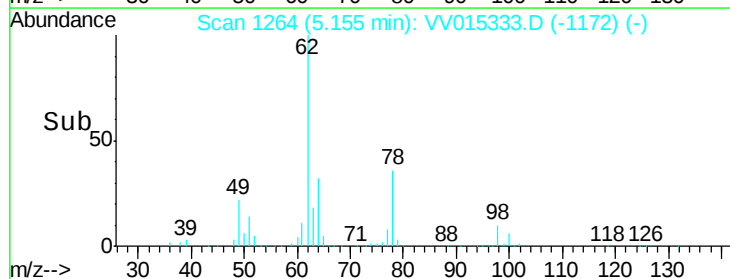
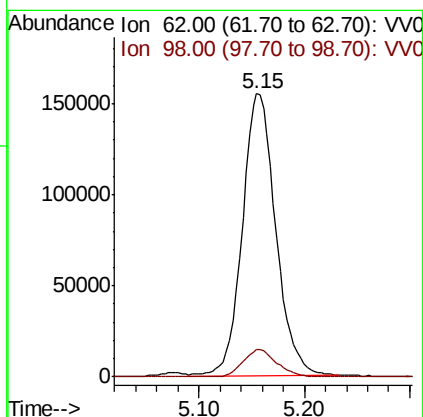
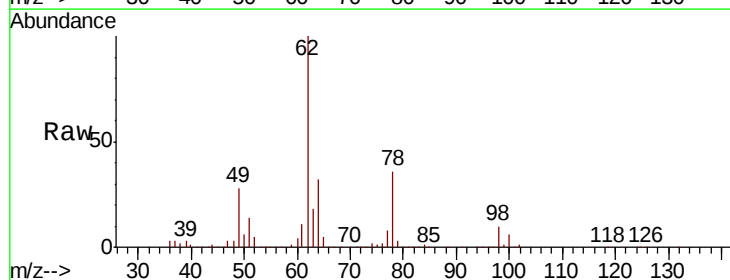
Instrument :
MSVOA_V
ClientSampleId :

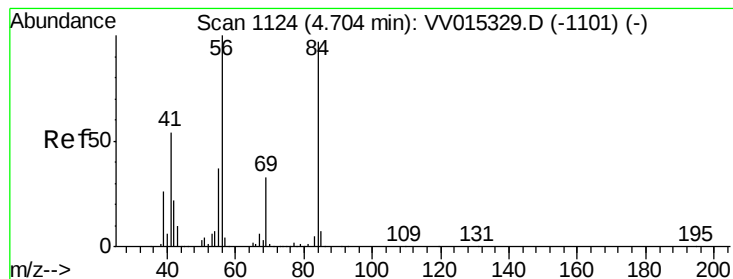
Tot Ion: 83 Resp: 453836
Ion Ratio Lower Upper
83 100
85 65.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 44.310 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015333.D
Acq: 01 Apr 2020 14:00

Tgt Ion: 62 Resp: 341194
Ion Ratio Lower Upper
62 100
98 9.6 7.9 11.9





#29

Cyclohexane

Concen: 44.746 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Instrument :
MSVOA_V
ClientSampleId :

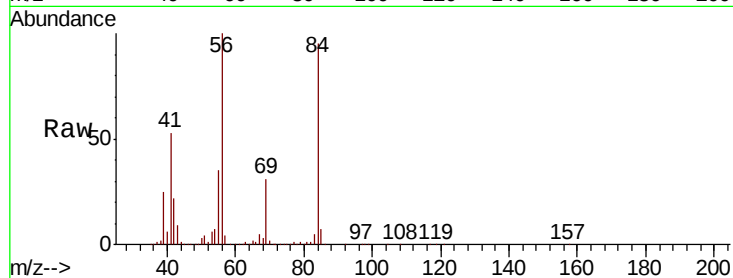
Tot Ion: 56 Resp: 390839

Ion Ratio Lower Upper

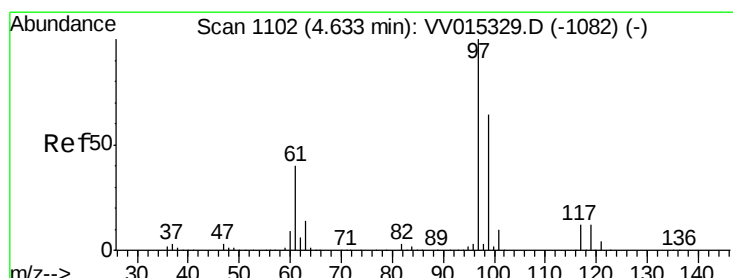
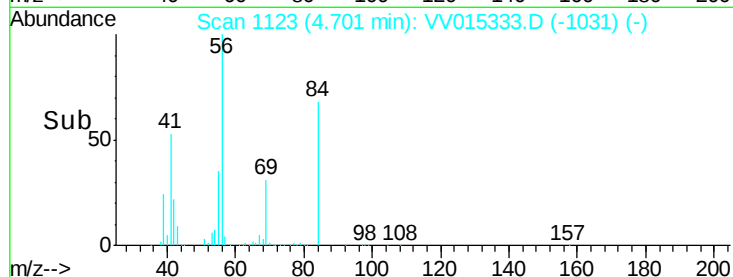
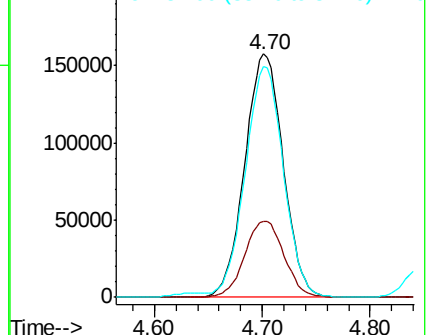
56 100

69 32.1 25.5 38.3

84 94.2 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: 44.217 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

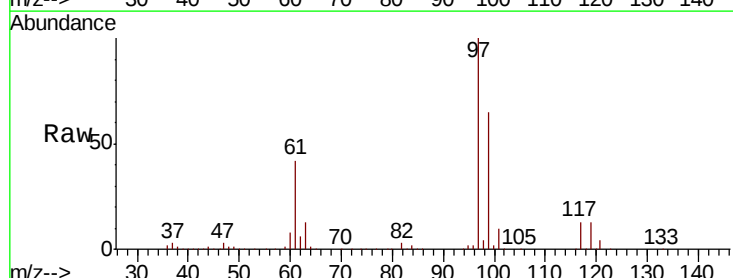
Tgt Ion: 97 Resp: 417141

Ion Ratio Lower Upper

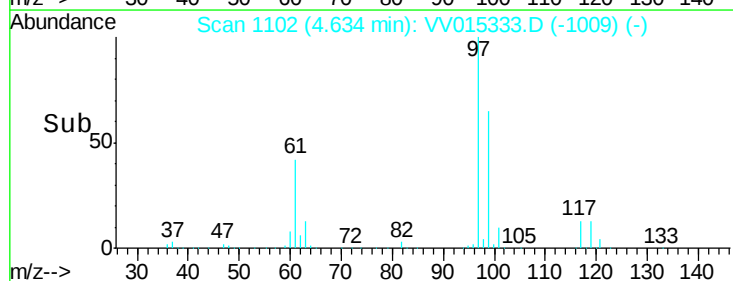
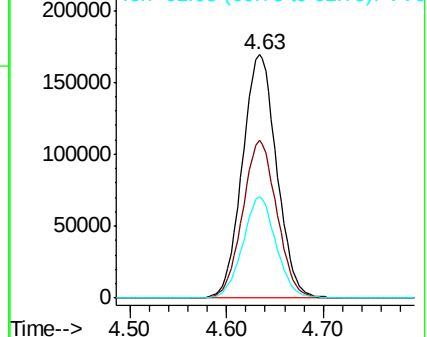
97 100

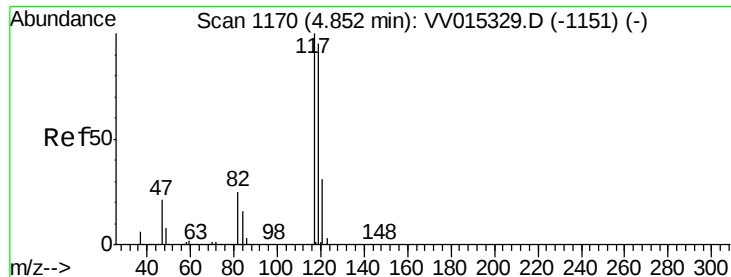
99 64.6 51.6 77.4

61 40.4 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

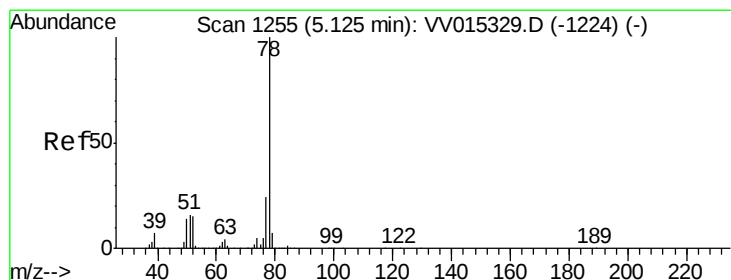
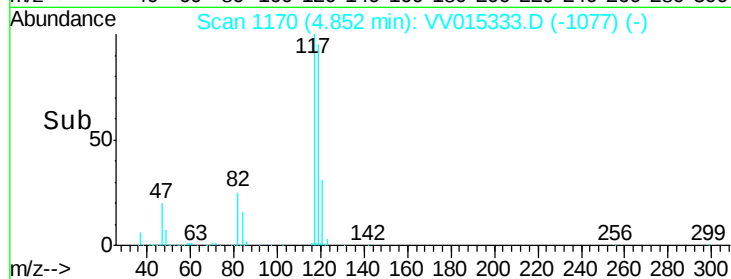
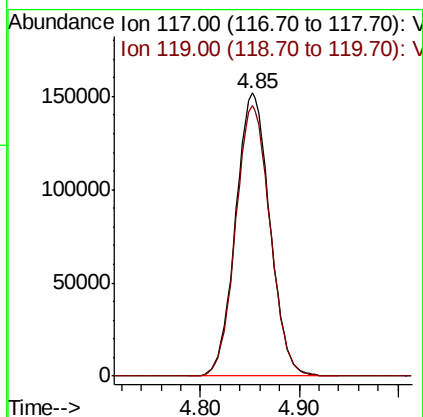
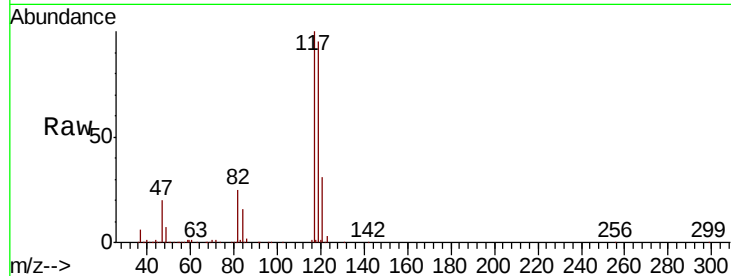




#31
Carbon tetrachloride
Concen: 45.157 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015333.D
Acq: 01 Apr 2020 14:00

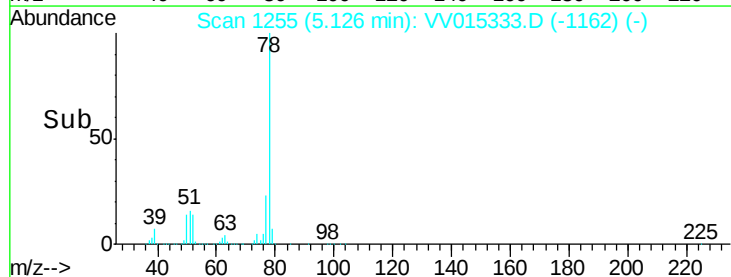
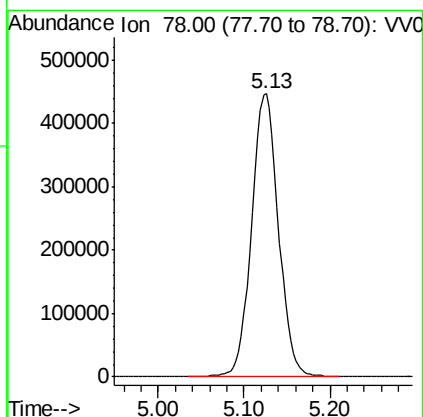
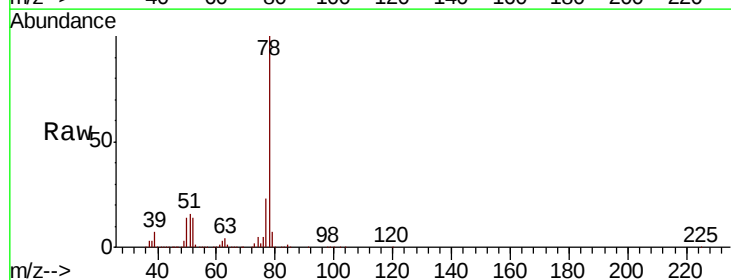
Instrument :
MSVOA_V
ClientSampleId :

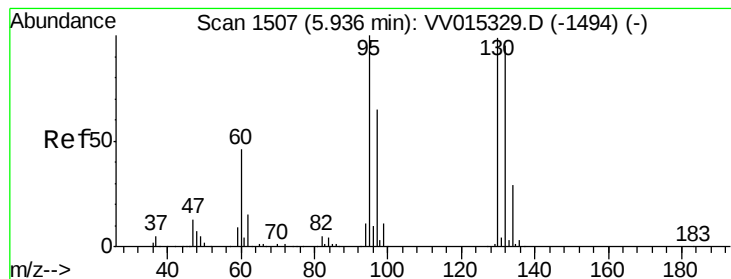
Tot Ion:117 Resp: 364228
Ion Ratio Lower Upper
117 100
119 96.1 76.8 115.2



#33
Benzene
Concen: 44.790 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015333.D
Acq: 01 Apr 2020 14:00

Tgt Ion: 78 Resp: 973283





#34

Trichloroethene

Concen: 45.781 ug/L

RT: 5.94 min Scan# 1507

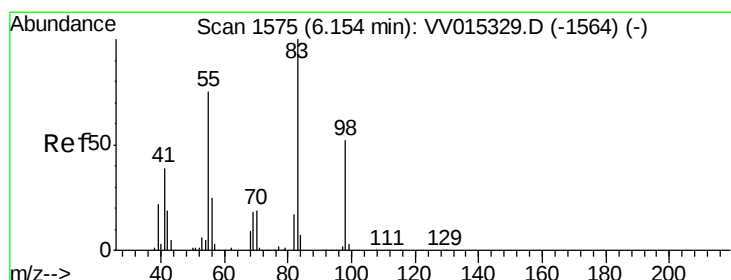
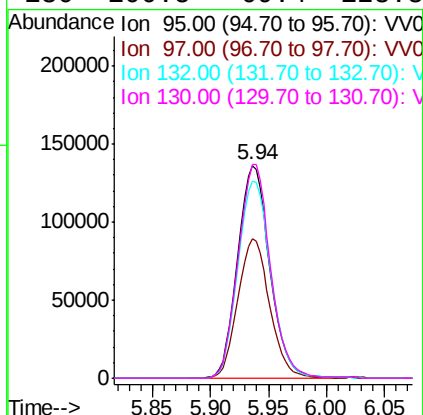
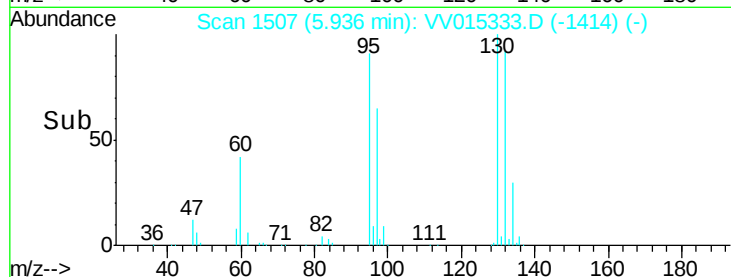
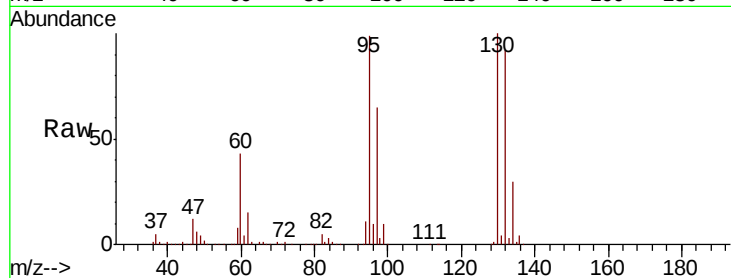
Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	95	Resp:	263407
Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.4	84.2
132	92.8	66.8	124.2
130	100.5	69.4	128.8



#35

Methylcyclohexane

Concen: 45.192 ug/L

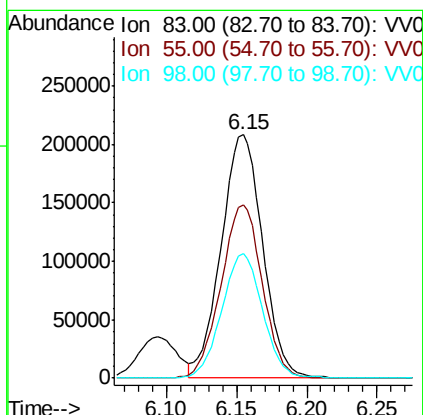
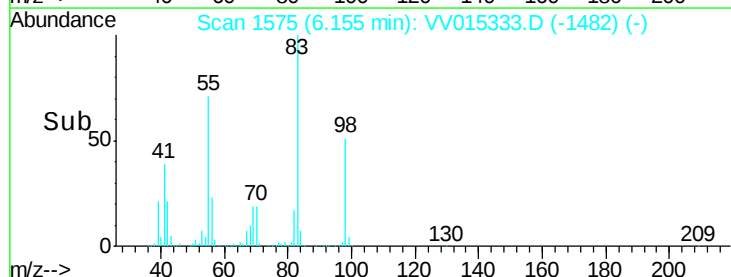
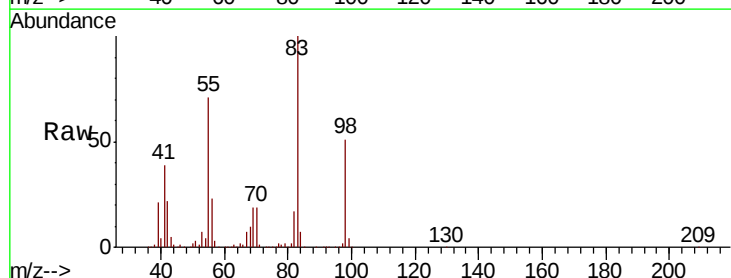
RT: 6.15 min Scan# 1575

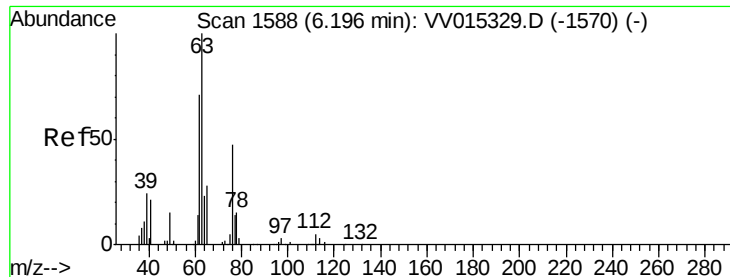
Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Tgt Ion:	83	Resp:	425998
Ion	Ratio	Lower	Upper
83	100		
55	70.8	57.9	86.9
98	50.7	40.0	60.0





#37

1,2-Dichloropropane

Concen: 45.367 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Instrument :

MSVOA_V

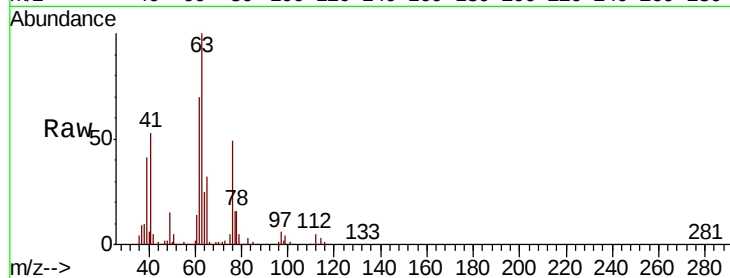
ClientSampled :

Tot Ion: 63 Resp: 241948

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV015333.D (-1495) (-)

Ion 112.00 (111.70 to 112.70): VV015333.D (-1495) (-)

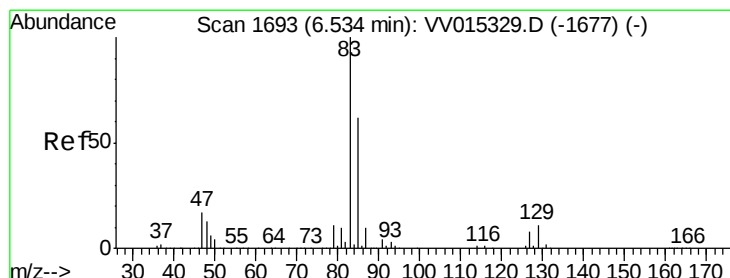
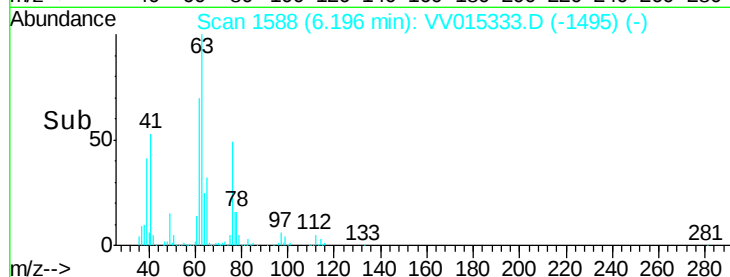
6.20

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 44.619 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

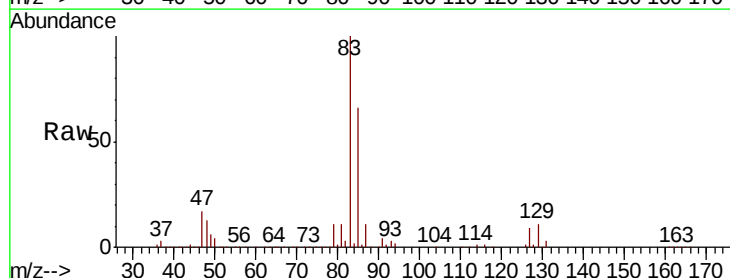
Tgt Ion: 83 Resp: 348856

Ion Ratio Lower Upper

83 100

85 66.4 43.5 80.9

127 8.7 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VV015333.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV015333.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VV015333.D (-1600) (-)

250000

200000

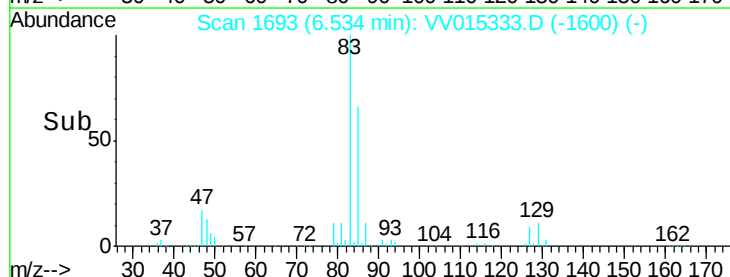
150000

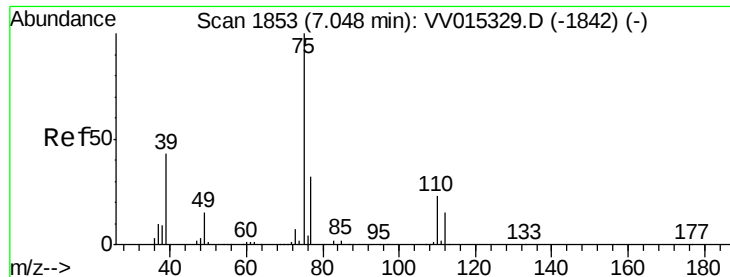
100000

50000

0

Time-->

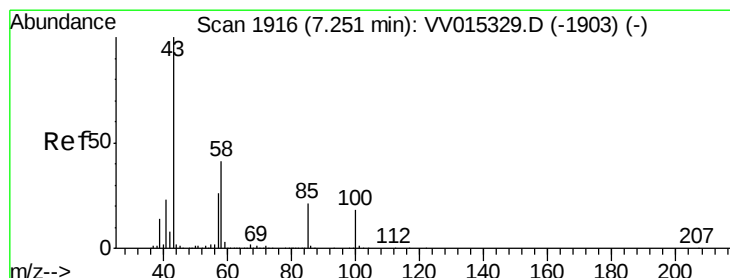
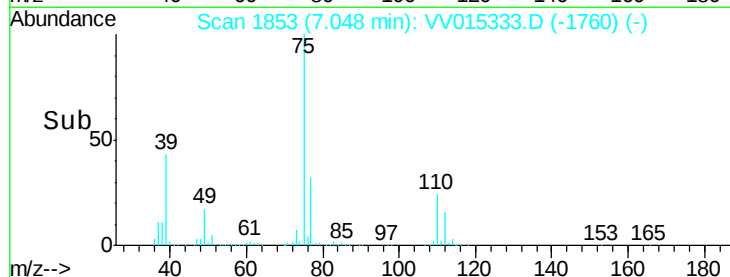
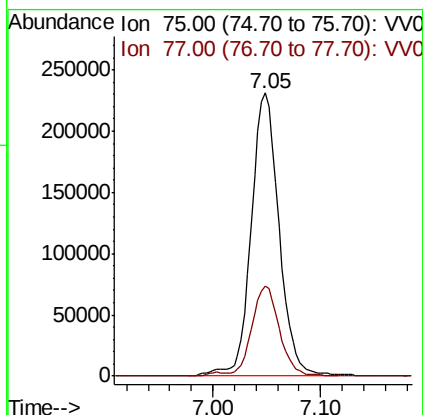
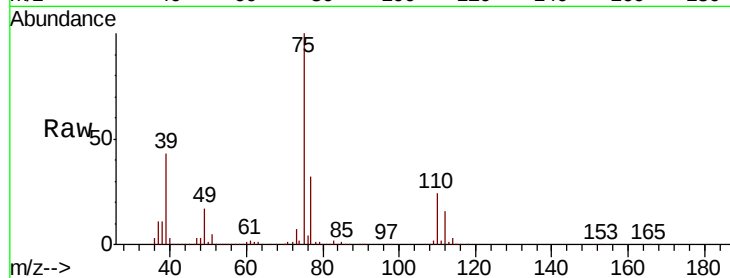




#39
 cis-1,3-Dichloropropene
 Concen: 46.170 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015333.D
 Acq: 01 Apr 2020 14:00

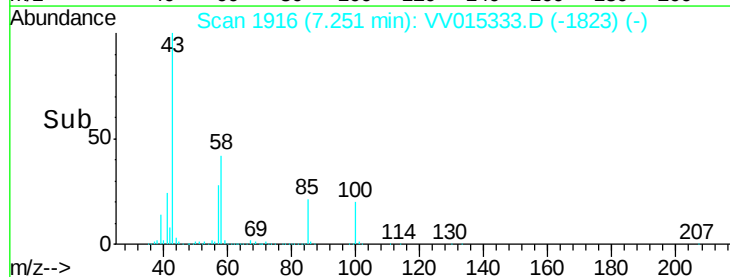
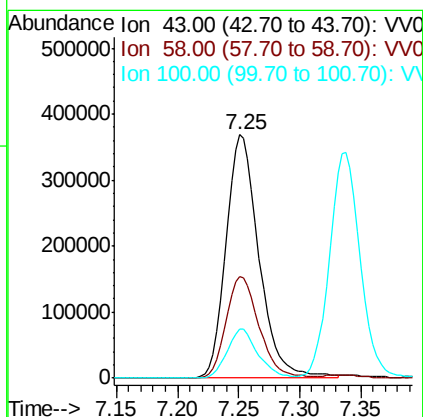
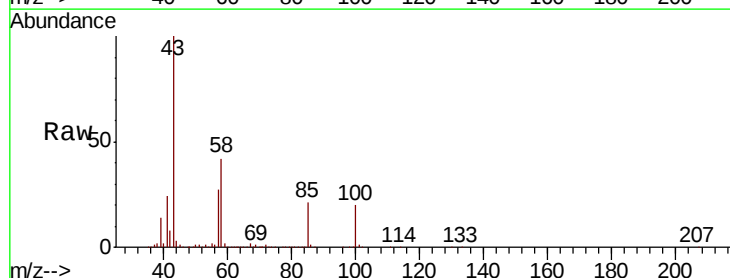
Instrument :
 MSVOA_V
 ClientSampled :

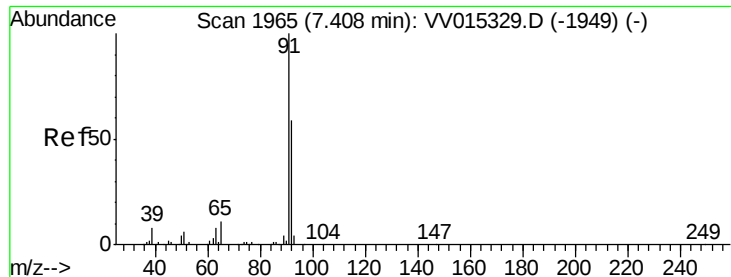
Tot Ion: 75 Resp: 413797
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 92.565 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015333.D
 Acq: 01 Apr 2020 14:00

Tgt Ion: 43 Resp: 693993
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.3 49.9
 100 19.1 14.6 22.0





#42

Toluene

Concen: 45.359 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

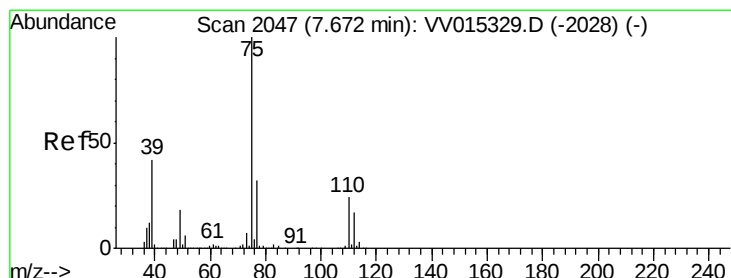
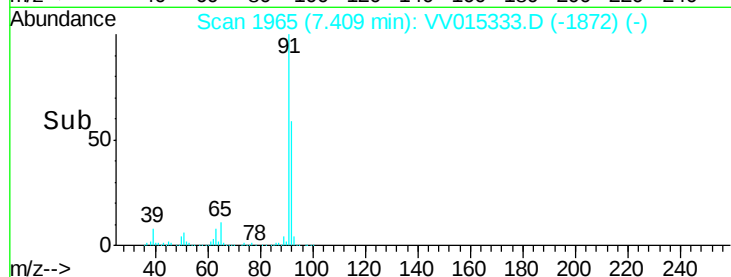
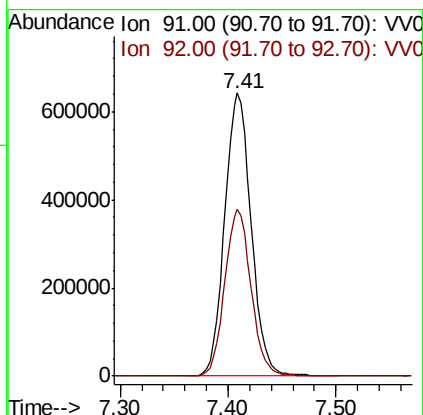
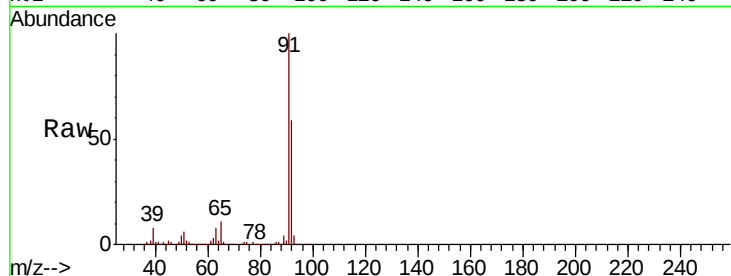
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1095397

Ion Ratio Lower Upper

91 100

92 59.0 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 45.529 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015333.D

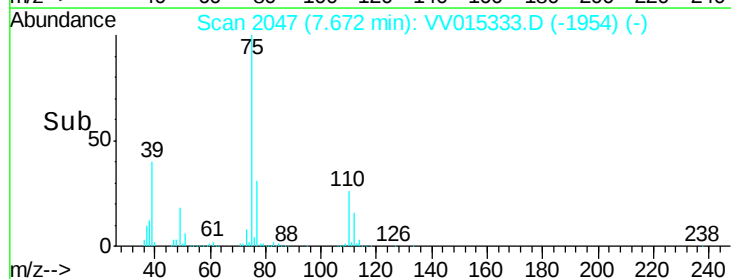
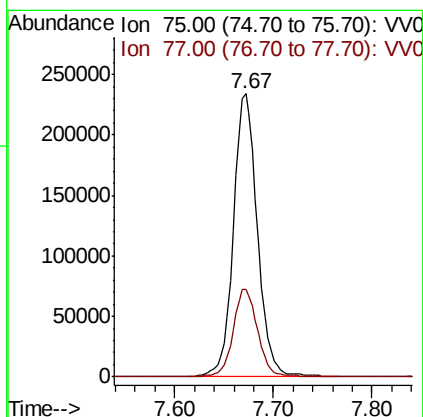
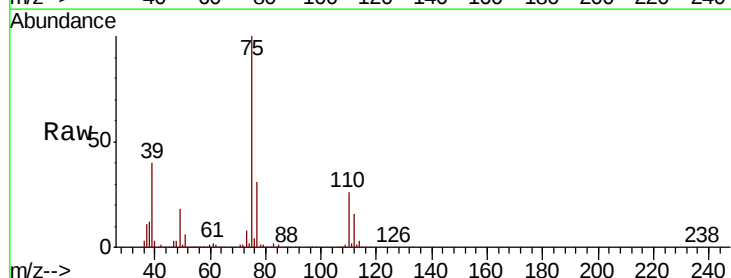
Acq: 01 Apr 2020 14:00

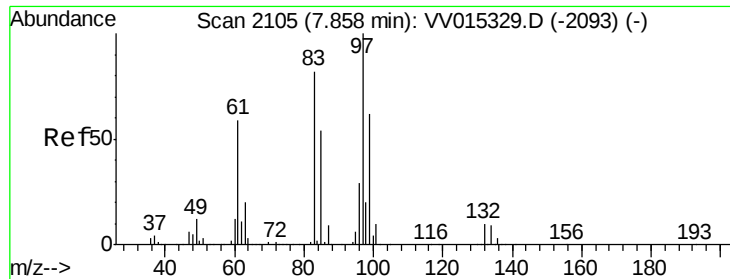
Tgt Ion: 75 Resp: 396504

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.7

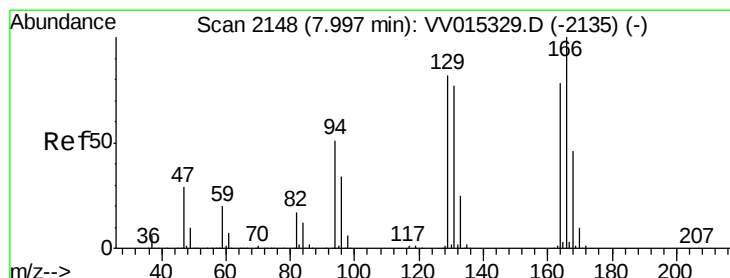
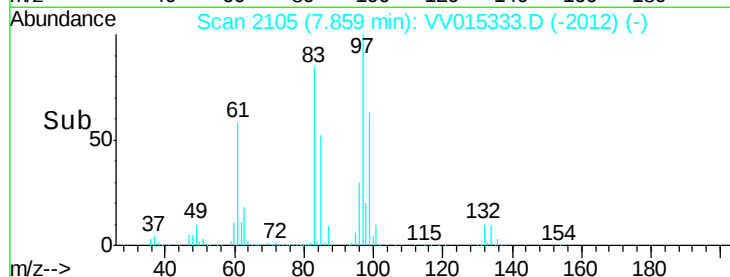
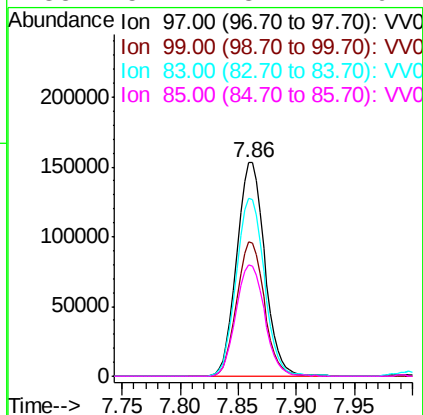
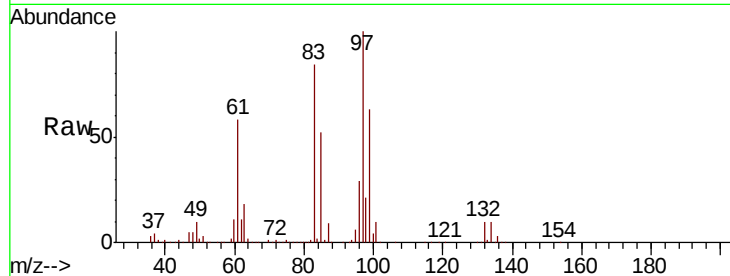




#45
 1,1,2-Trichloroethane
 Concen: 45.820 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV015333.D
 Acq: 01 Apr 2020 14:00

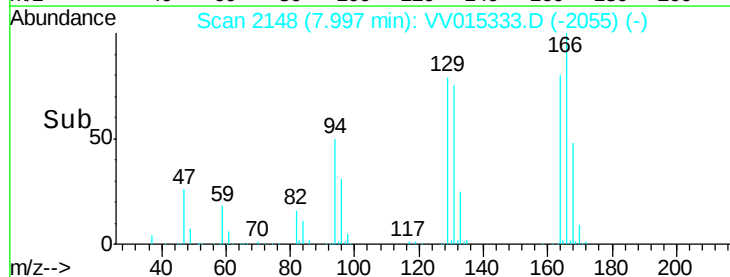
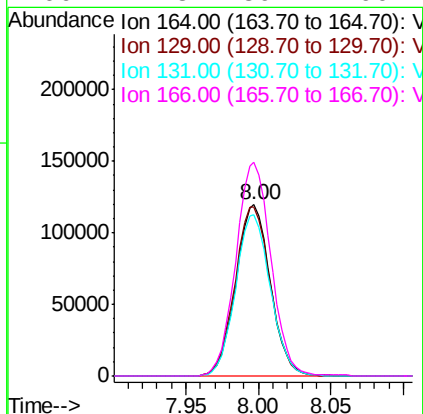
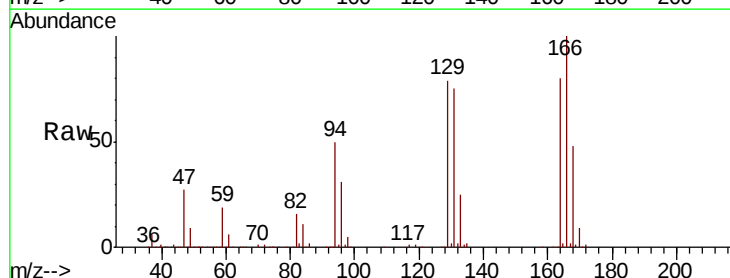
Instrument :
 MSVOA_V
 ClientSampleId :

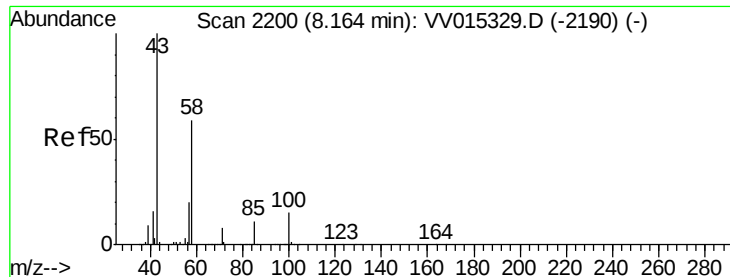
Tot Ion:	97	Resp:	257685
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.5	80.7
83	83.5	57.3	106.5
85	52.2	37.7	70.1



#46
 Tetrachloroethene
 Concen: 47.837 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015333.D
 Acq: 01 Apr 2020 14:00

Tgt Ion:	164	Resp:	197321
Ion	Ratio	Lower	Upper
164	100		
129	99.0	73.8	137.0
131	94.1	69.4	129.0
166	124.8	89.7	166.7

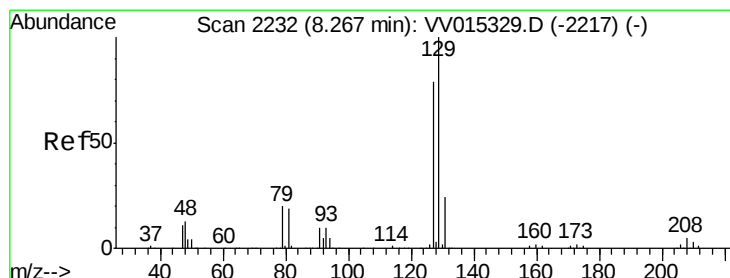
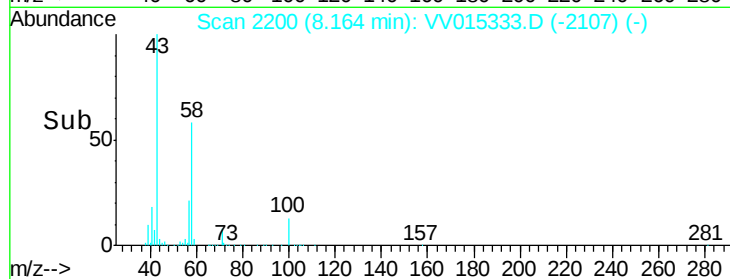
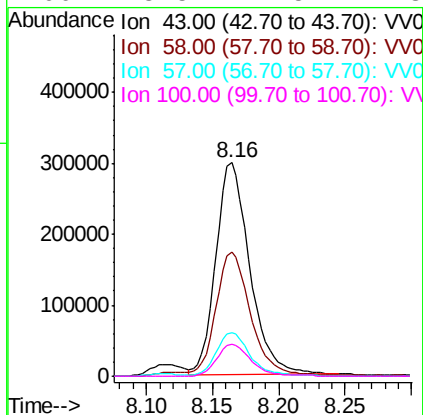
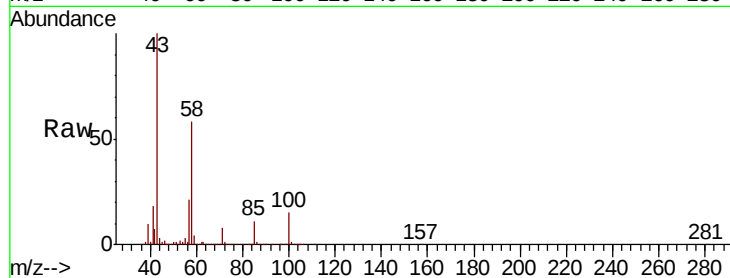




#48
2-Hexanone
Concen: 93.827 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015333.D
Acq: 01 Apr 2020 14:00

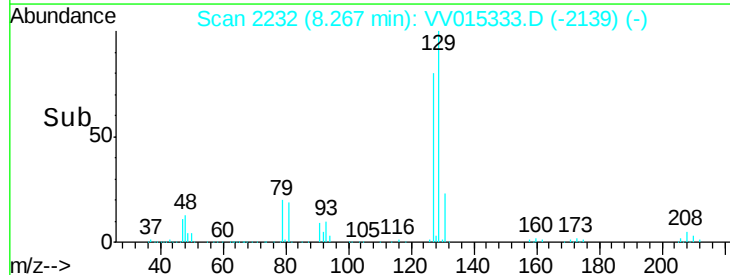
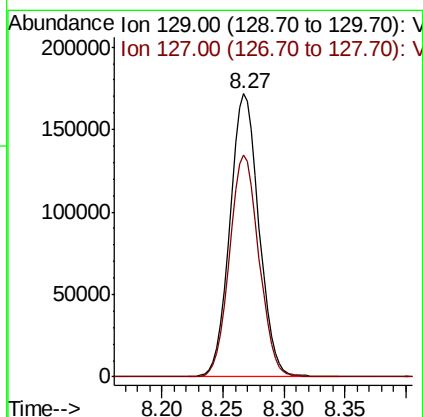
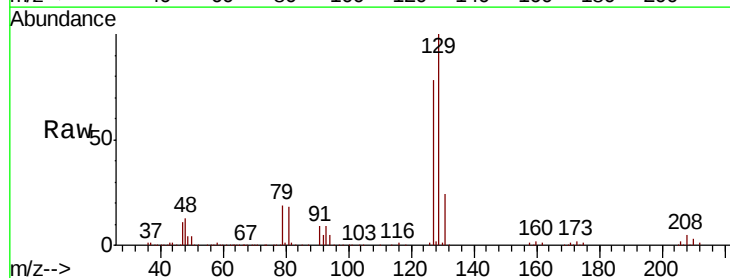
Instrument :
MSVOA_V
ClientSampleId :

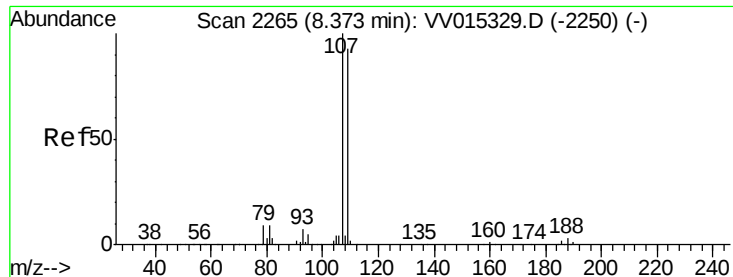
Tot Ion: 43 Resp: 532687
Ion Ratio Lower Upper
43 100
58 59.6 47.4 71.2
57 20.0 16.7 25.1
100 15.5 11.5 17.3



#49
Dibromochloromethane
Concen: 46.338 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015333.D
Acq: 01 Apr 2020 14:00

Tgt Ion: 129 Resp: 285394
Ion Ratio Lower Upper
129 100
127 78.5 55.2 102.6

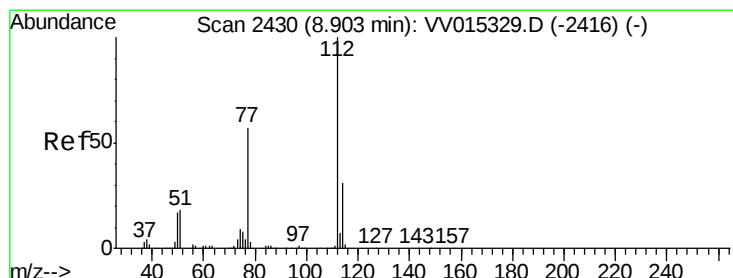
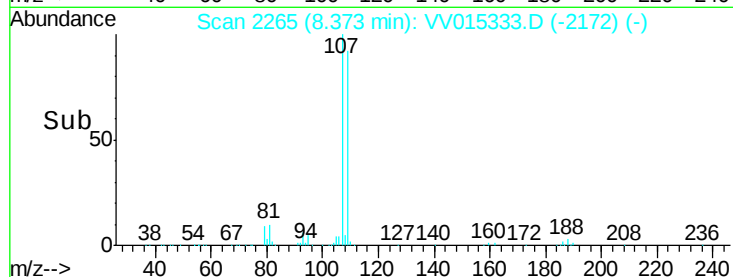
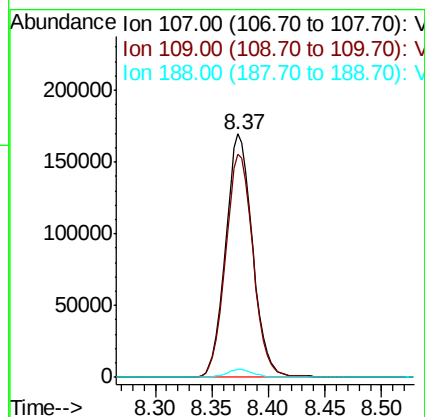
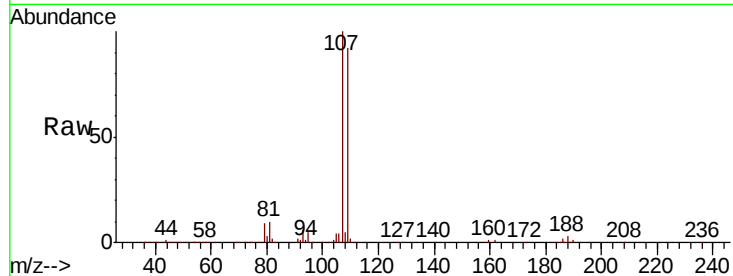




#50
 1,2-Dibromoethane
 Concen: 46.949 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015333.D
 Acq: 01 Apr 2020 14:00

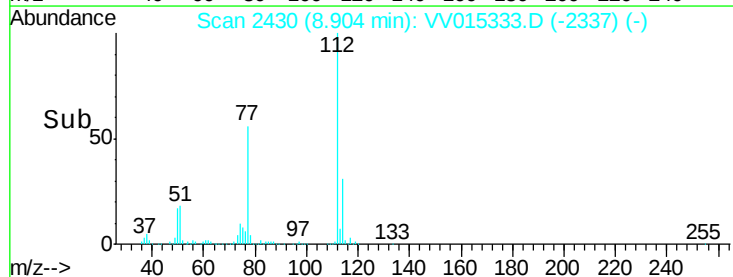
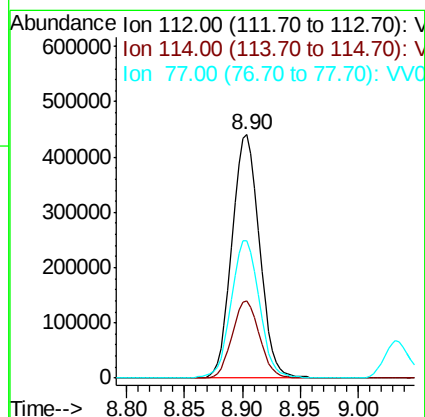
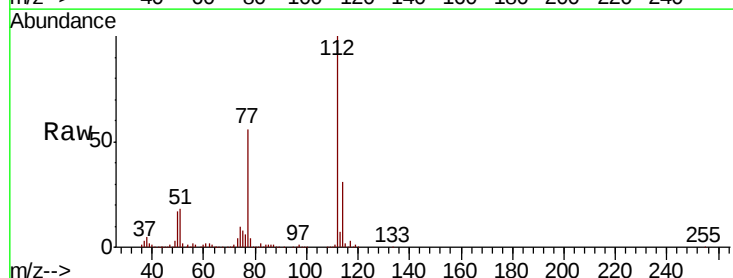
Instrument :
 MSVOA_V
 ClientSampleId :

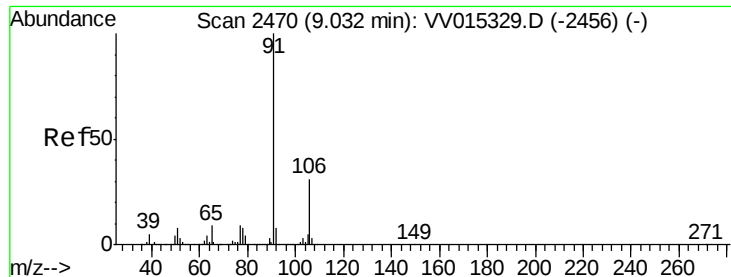
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	65.0	120.8
188	3.1	2.4	3.6



#51
 Chlorobenzene
 Concen: 45.386 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015333.D
 Acq: 01 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	21.8	40.4
77	56.5	46.2	69.2





#52

Ethylbenzene

Concen: 45.250 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

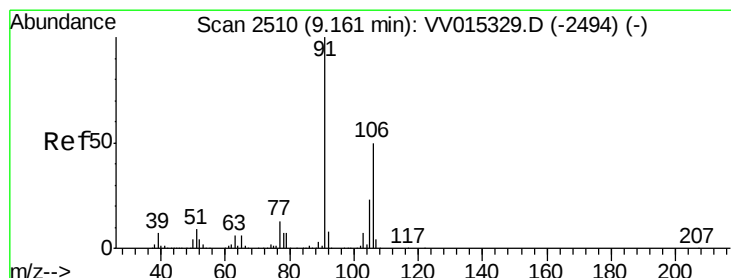
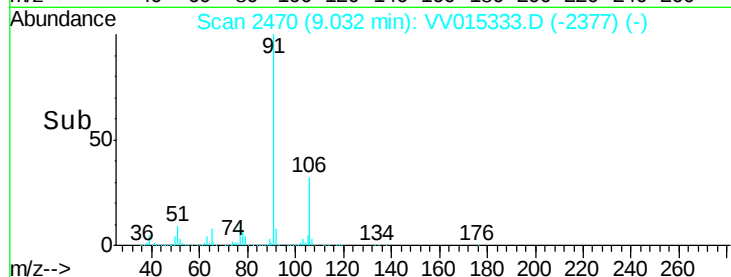
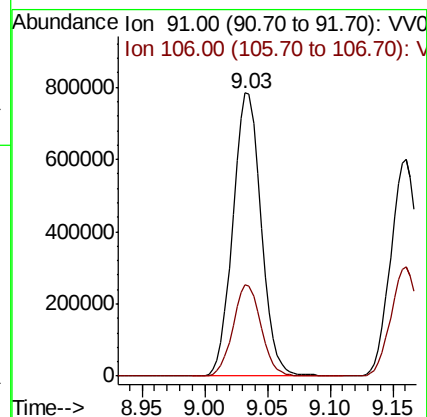
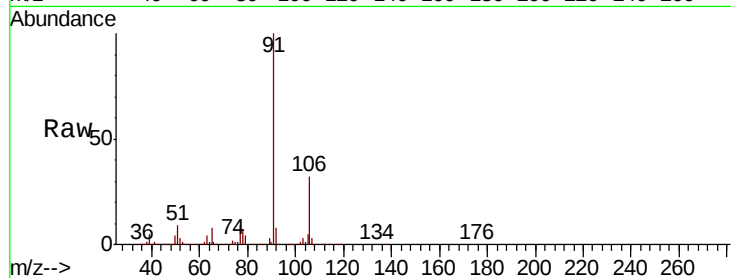
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1226545

Ion Ratio Lower Upper

91 100

106 32.1 21.8 40.6



#53

m,p-Xylene

Concen: 46.763 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015333.D

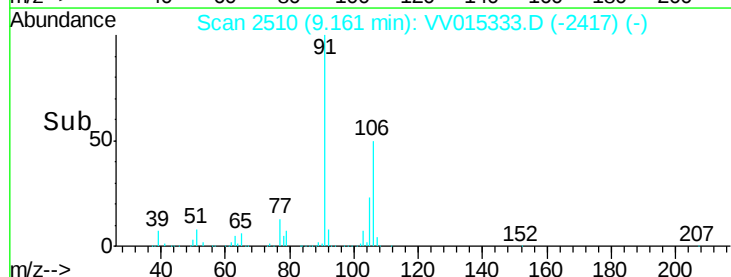
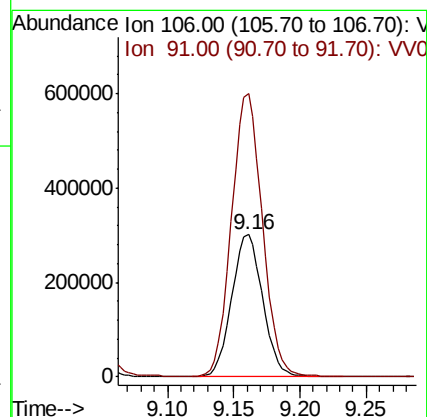
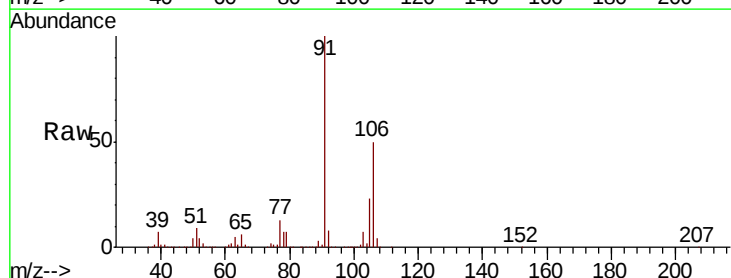
Acq: 01 Apr 2020 14:00

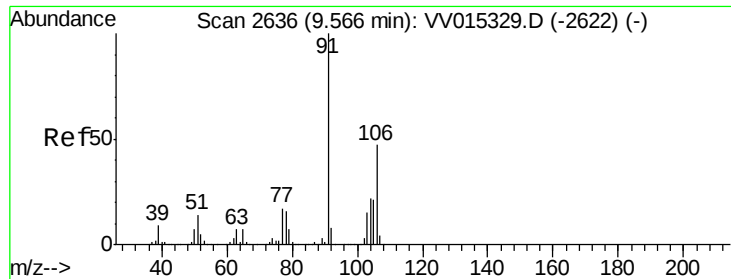
Tgt Ion: 106 Resp: 488087

Ion Ratio Lower Upper

106 100

91 198.6 139.7 259.5





#54

o-xylene

Concen: 45.983 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Instrument :

MSVOA_V

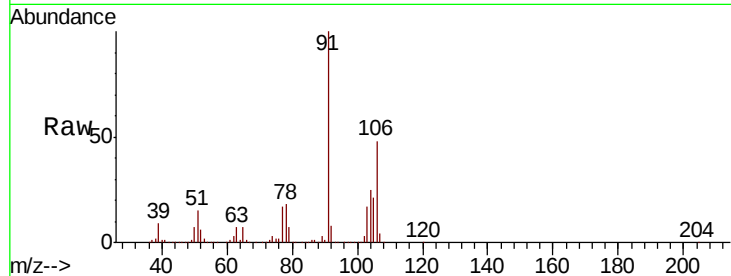
ClientSampleId :

Tot Ion:106 Resp: 480749

Ion Ratio Lower Upper

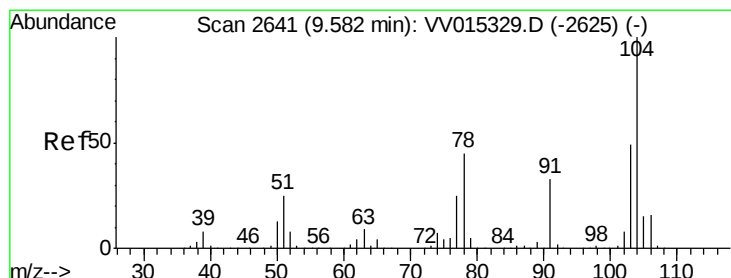
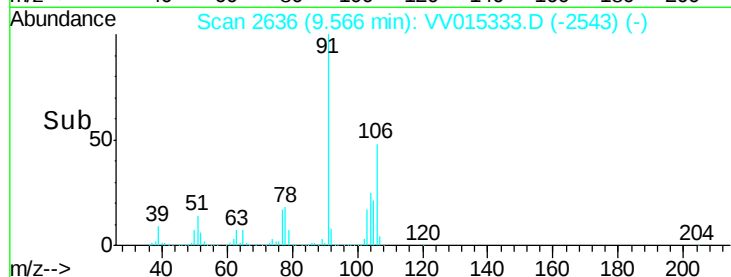
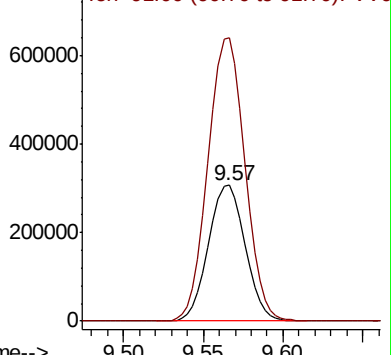
106 100

91 208.8 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 46.633 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015333.D

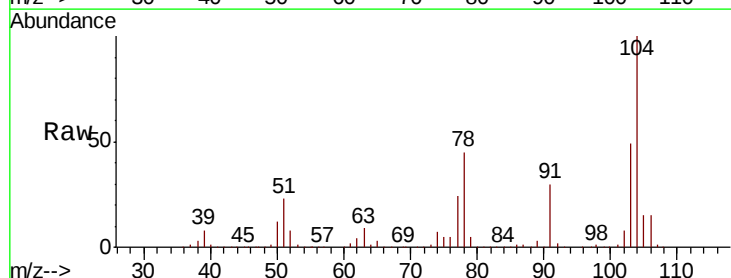
Acq: 01 Apr 2020 14:00

Tgt Ion:104 Resp: 810744

Ion Ratio Lower Upper

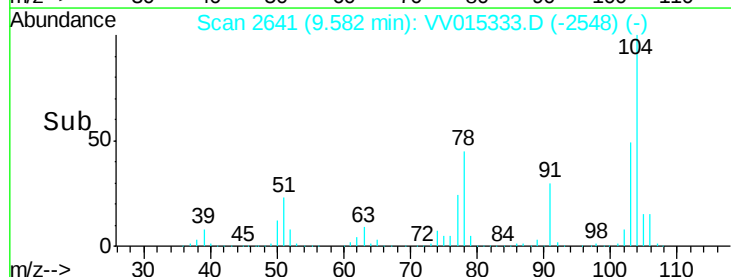
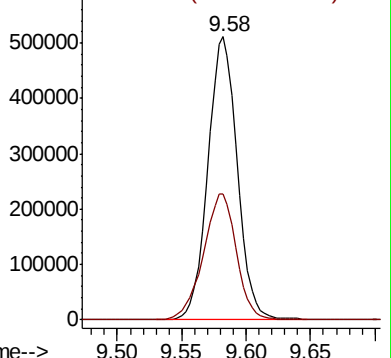
104 100

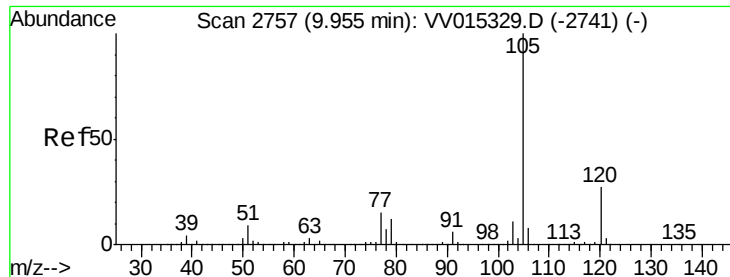
78 44.6 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 46.044 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

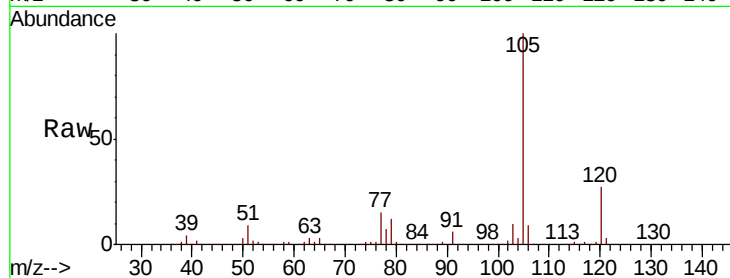
Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:105 Resp: 1246979

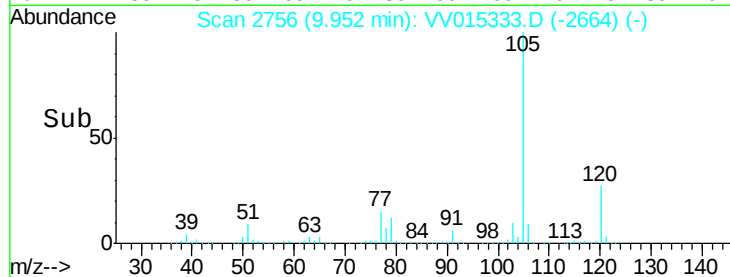
Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.4	32.0
77	15.1	12.4	18.6



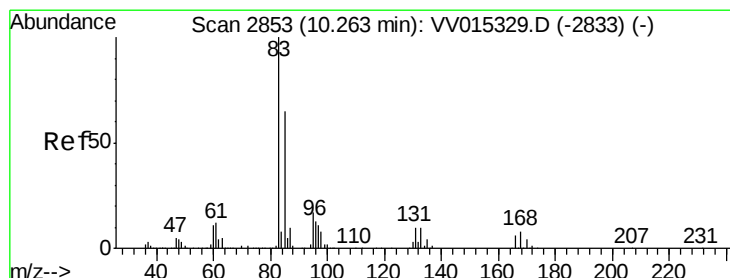
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 45.250 ug/L

RT: 10.26 min Scan# 2853

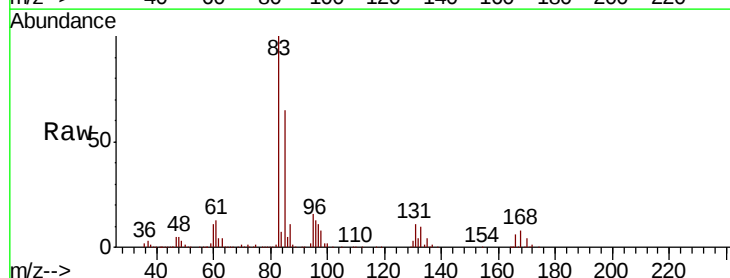
Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Tgt Ion: 83 Resp: 408558

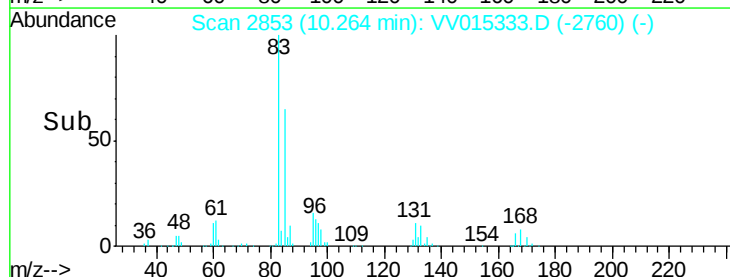
Ion	Ratio	Lower	Upper
83	100		
85	65.0	45.4	84.4
131	10.5	8.0	12.0



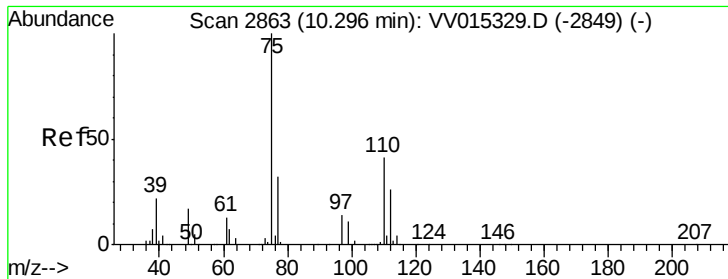
Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 45.680 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Instrument :

MSVOA_V

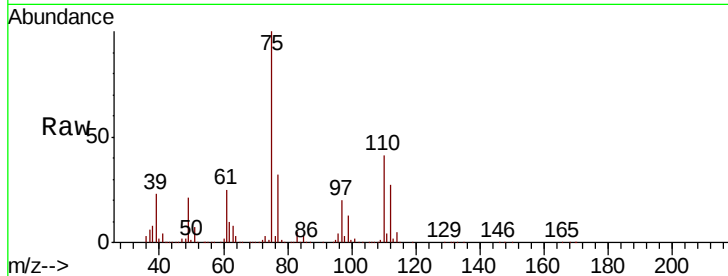
ClientSampleId :

Tot Ion: 75 Resp: 328954

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015329.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV015329.D (-2849) (-)

10.30

250000

200000

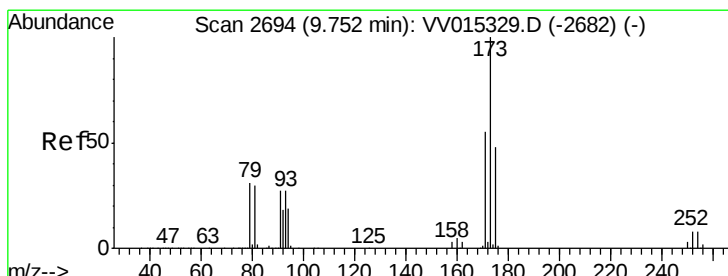
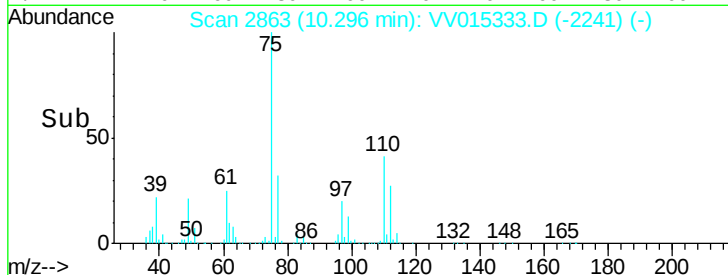
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 46.960 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

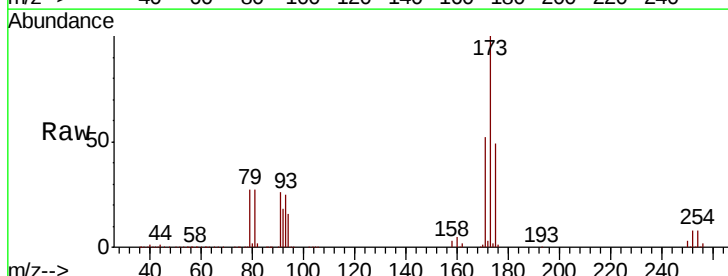
Tgt Ion: 173 Resp: 191026

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.6

254 7.5 5.9 8.9



Abundance Ion 173.00 (172.70 to 173.70): VV015329.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015329.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015329.D (-2682) (-)

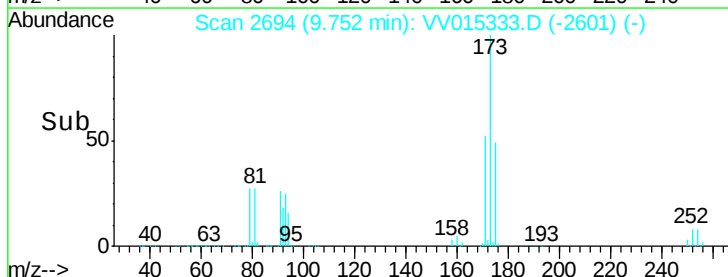
150000

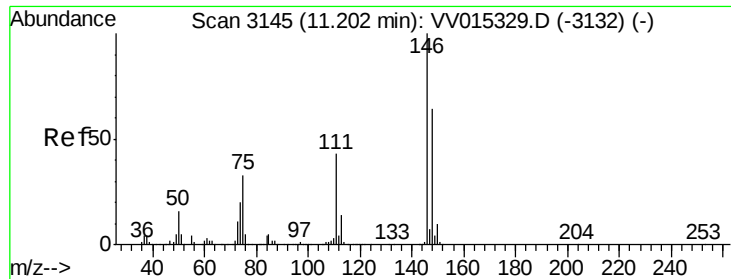
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 45.633 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Instrument :

MSVOA_V

ClientSampled :

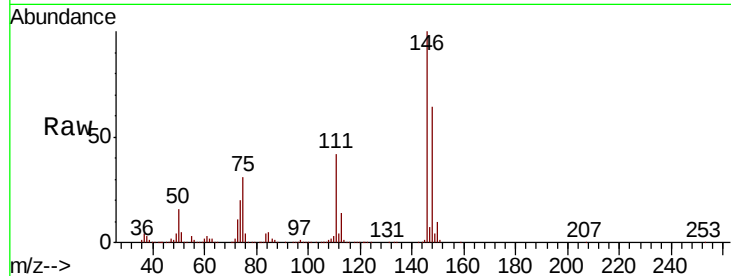
Tot Ion:146 Resp: 559456

Ion Ratio Lower Upper

146 100

111 41.7 30.2 56.2

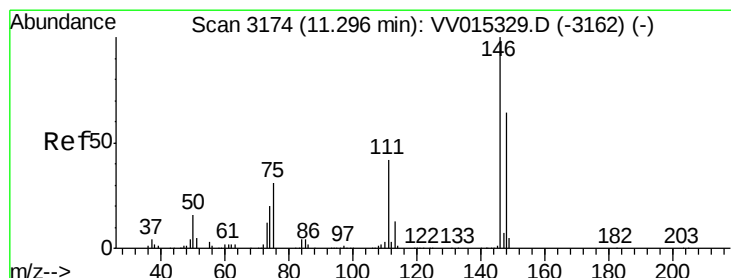
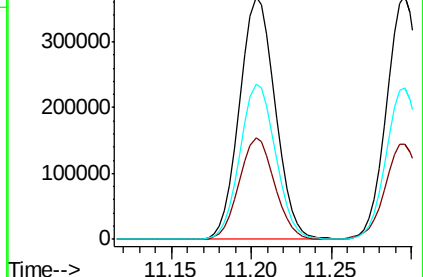
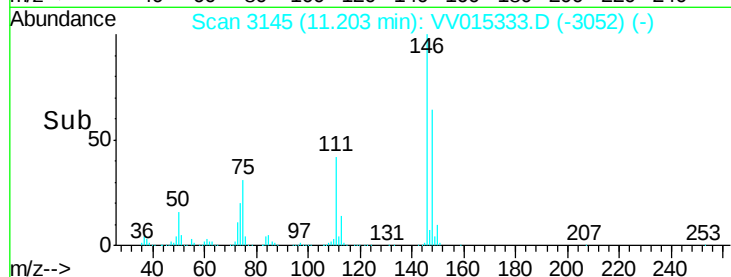
148 64.1 44.7 83.1



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: 45.651 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

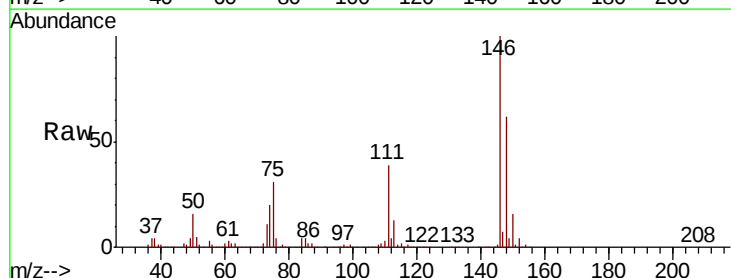
Tgt Ion:146 Resp: 567633

Ion Ratio Lower Upper

146 100

111 39.2 29.3 54.5

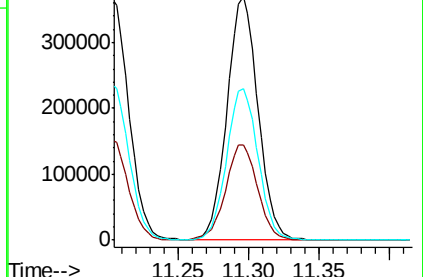
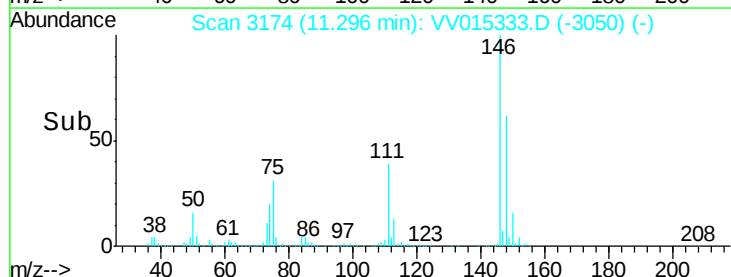
148 62.1 44.7 82.9

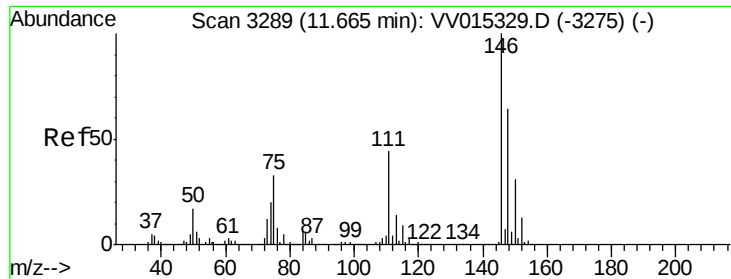


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 44.927 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Instrument :

MSVOA_V

ClientSampleId :

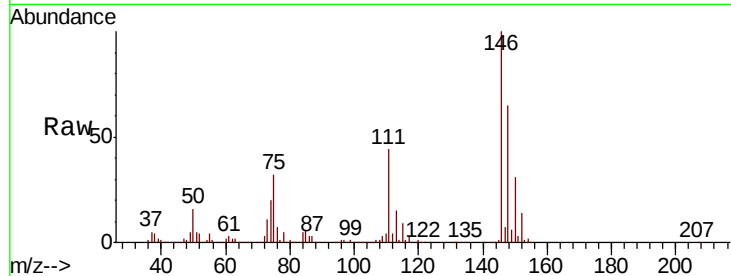
Tot Ion:146 Resp: 561803

Ion Ratio Lower Upper

146 100

111 44.0 35.1 52.7

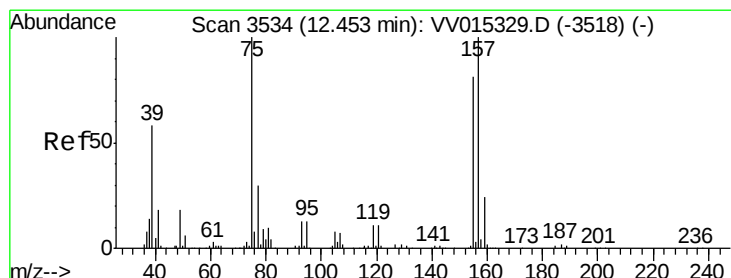
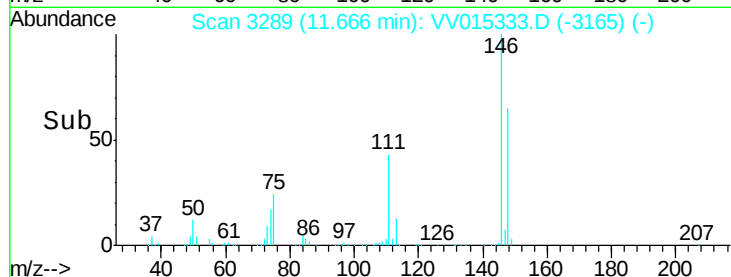
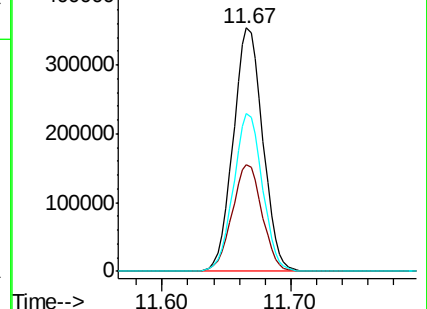
148 64.7 51.0 76.4



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: 42.927 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

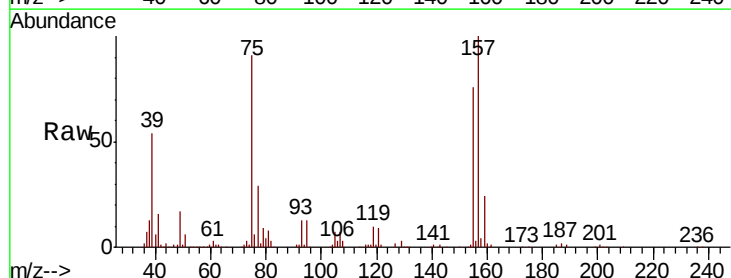
Tgt Ion: 75 Resp: 105994

Ion Ratio Lower Upper

75 100

155 83.7 64.5 96.7

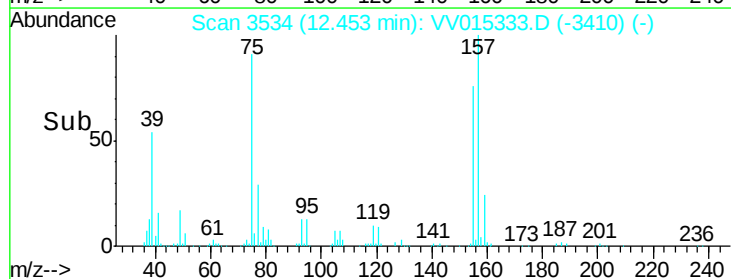
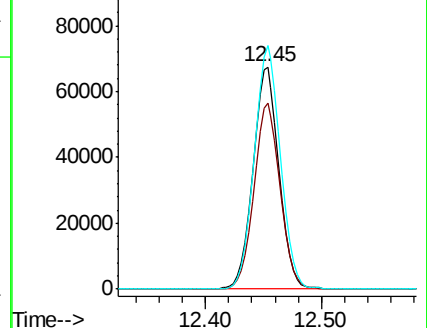
157 109.7 79.8 119.6

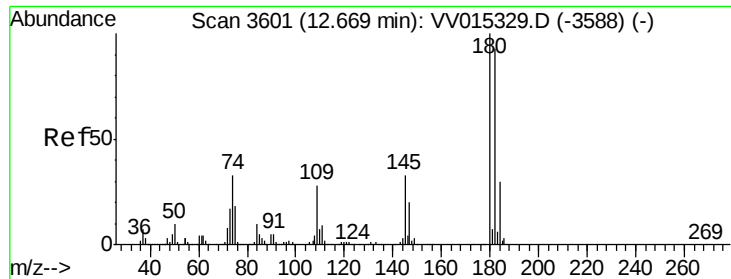


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

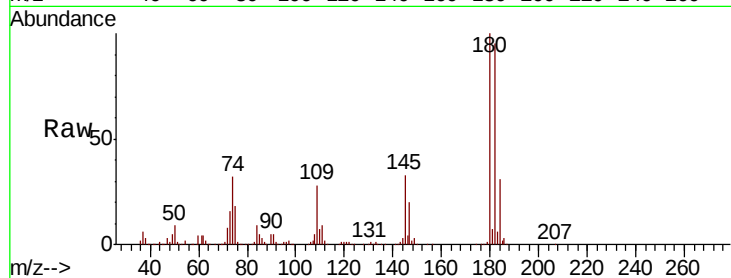




#67
 1,3,5-Trichlorobenzene
 Concen: 46.423 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015333.D
 Acq: 01 Apr 2020 14:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.7	112.1
184	30.3	23.7	35.5
145	33.0	26.8	40.2



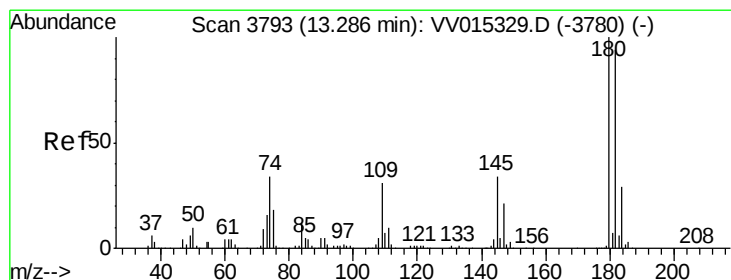
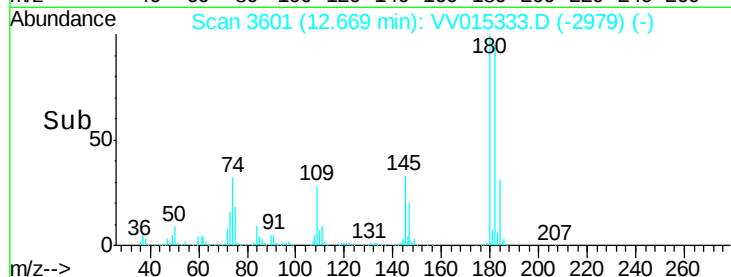
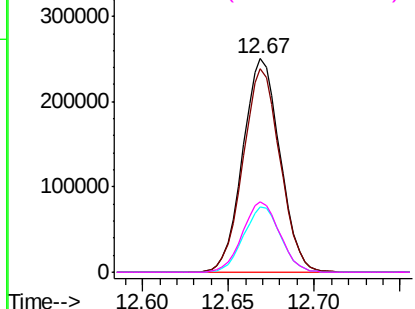
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

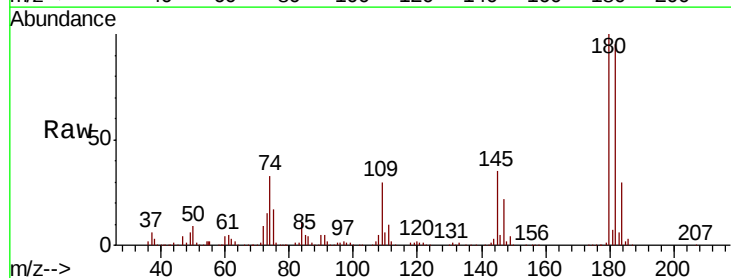
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.884 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015333.D
 Acq: 01 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.8	113.8
145	34.3	27.7	41.5

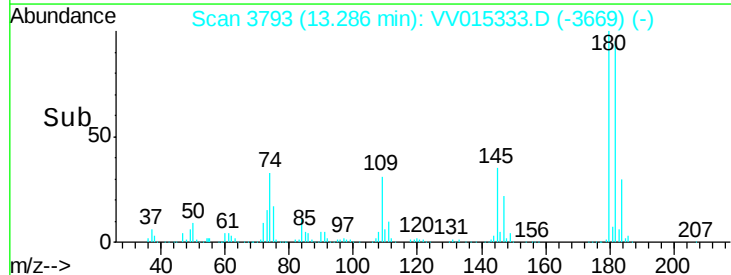
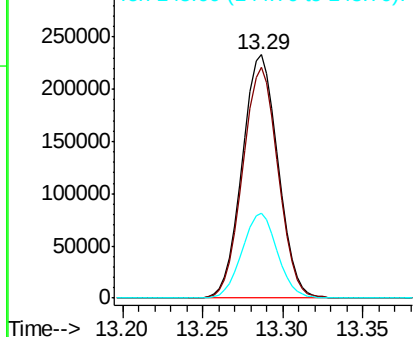


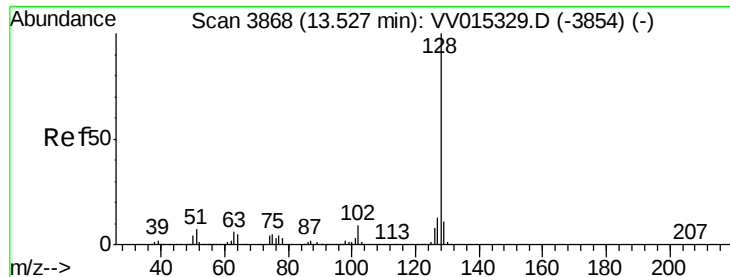
Abundance

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: 47.278 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

Instrument :

MSVOA_V

ClientSampled :

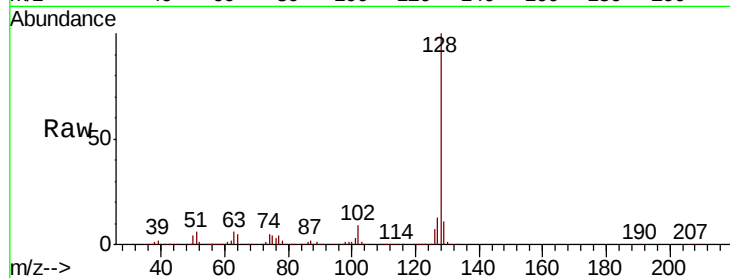
Tot Ion:128 Resp: 1341453

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

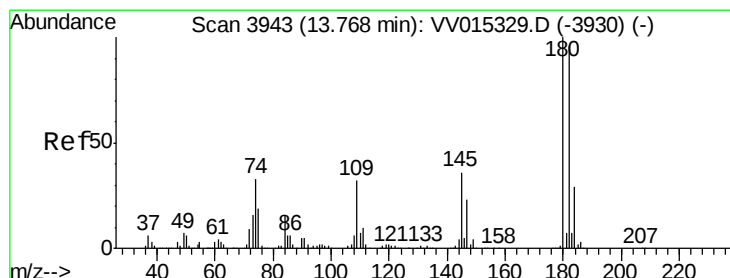
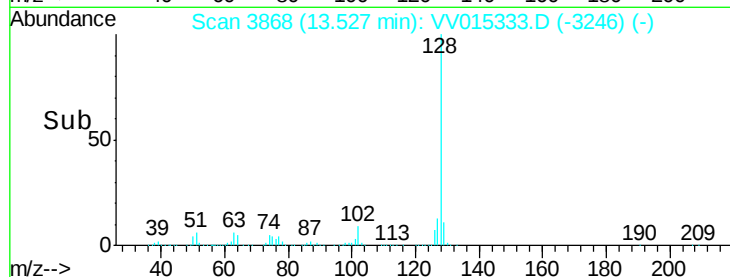
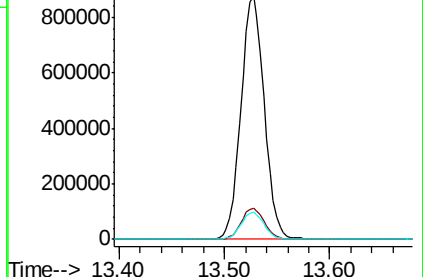
129 11.0 8.6 13.0



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: 47.210 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015333.D

Acq: 01 Apr 2020 14:00

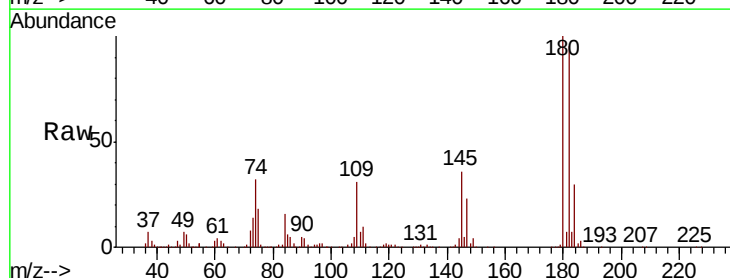
Tgt Ion:180 Resp: 360922

Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

145 35.9 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

