

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015330.D
 Acq On : 01 Apr 2020 11:58
 Operator : SY/MD
 Sample : VSTD10063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 01:47:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 01:39:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	719434	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	700647	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	348470	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	588832	91.28	ug/L	0.00
7) Chloroethane-d5	1.58	69	496023	90.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	1084851	94.09	ug/L	0.00
21) 2-Butanone-d5	3.87	46	149	0.04	ug/L	-0.06
24) Chloroform-d	4.38	84	982482	92.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	605332	91.25	ug/L	0.00
32) Benzene-d6	5.08	84	1961692	90.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	587984	92.42	ug/L	0.00
41) Toluene-d8	7.34	98	1915664	92.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	329702	93.80	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	556064	191.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	854083	94.36	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	716015	90.33	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	638884	98.199	ug/L 99
3) Chloromethane	1.25	50	584346	95.303	ug/L 100
5) Vinyl chloride	1.32	62	607105	94.530	ug/L 100
6) Bromomethane	1.53	94	411639	96.960	ug/L 98
8) Chloroethane	1.60	64	391832	88.812	ug/L 97
9) Trichlorofluoromethane	1.76	101	1189715	97.980	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	523641	96.503	ug/L 100
12) 1,1-Dichloroethene	2.13	96	500097	96.271	ug/L 96
13) Acetone	2.21	43	436640	194.016	ug/L 99
14) Carbon disulfide	2.31	76	1391463	97.707	ug/L 99
15) Methyl Acetate	2.46	43	498040	100.389	ug/L 100
16) Methylene chloride	2.52	84	520856	95.649	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	488117	99.302	ug/L 96
18) Methyl tert-butyl Ether	2.79	73	1587527	97.969	ug/L 99
19) 1,1-Dichloroethane	3.21	63	868546	97.116	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	547571	97.276	ug/L # 97
22) 2-Butanone	4.01	43	711743	207.899	ug/L 98
23) Bromochloromethane	4.28	128	276925	97.486	ug/L 96
25) Chloroform	4.41	83	930388	95.934	ug/L 99
27) 1,2-Dichloroethane	5.16	62	709716	97.163	ug/L 100
29) Cyclohexane	4.70	56	796801	95.585	ug/L 100
30) 1,1,1-Trichloroethane	4.64	97	869990	96.629	ug/L 99
31) Carbon tetrachloride	4.86	117	759227	98.630	ug/L 100
33) Benzene	5.13	78	2031583	97.964	ug/L 100
34) Trichloroethene	5.94	95	542713	98.835	ug/L 100
35) Methylcyclohexane	6.15	83	881109	97.942	ug/L 99
37) 1,2-Dichloropropane	6.20	63	505789	99.374	ug/L 100
38) Bromodichloromethane	6.53	83	734146	98.387	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	878479	102.705	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	1424480	199.085	ug/L 99

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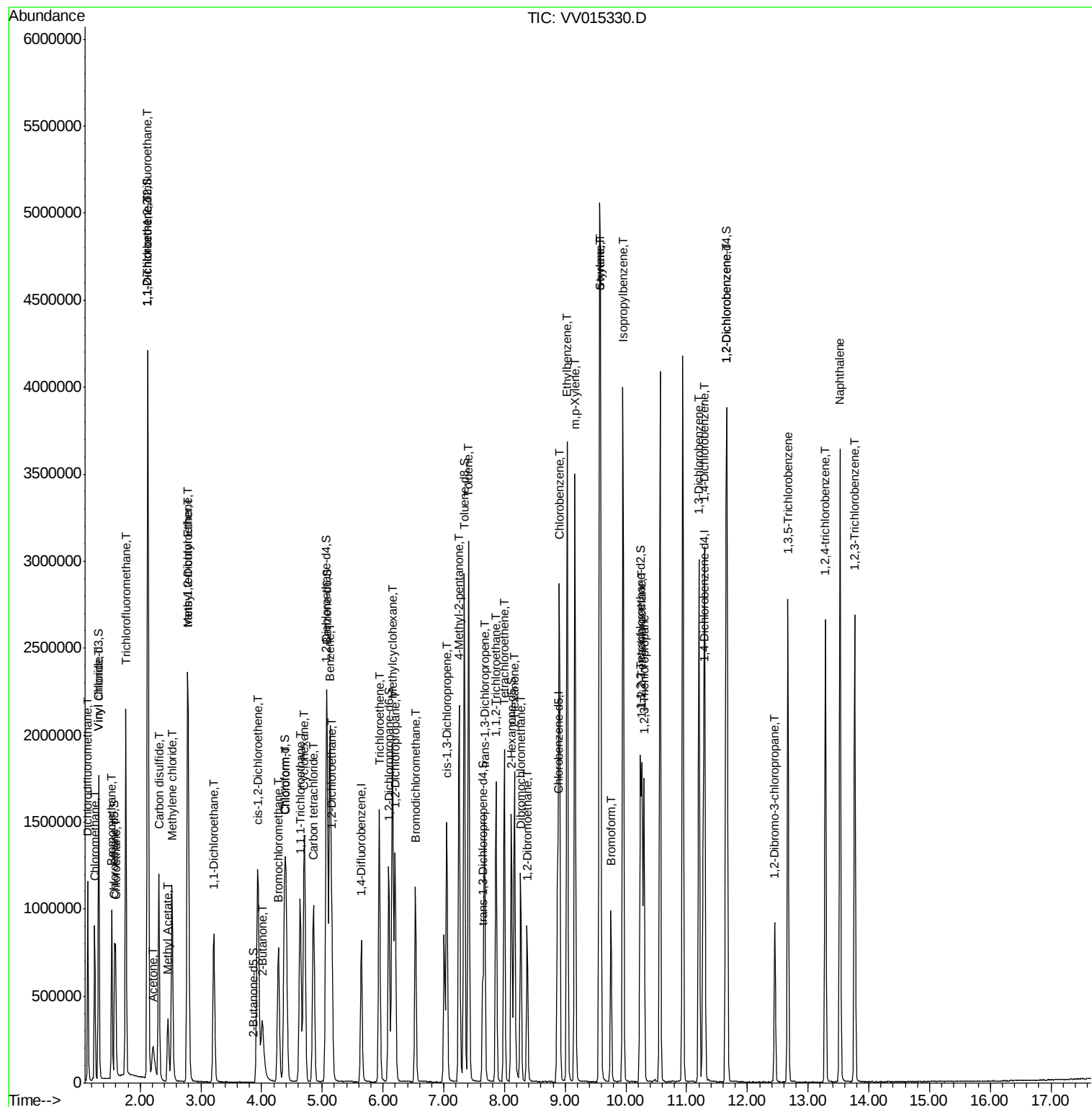
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2267155	98.370	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	845669	101.748	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	521381	97.142	ug/L	99
46) Tetrachloroethene	8.00	164	398906	101.332	ug/L	97
48) 2-Hexanone	8.16	43	1120747	206.848	ug/L	99
49) Dibromochloromethane	8.27	129	604079	102.772	ug/L	97
50) 1,2-Dibromoethane	8.37	107	574241	100.228	ug/L	100
51) Chlorobenzene	8.90	112	1501270	99.387	ug/L	99
52) Ethylbenzene	9.03	91	2578132	99.663	ug/L	100
53) m,p-Xylene	9.16	106	1010560	101.451	ug/L	100
54) o-xylene	9.57	106	996960	99.917	ug/L	99
55) Styrene	9.58	104	1710880	103.114	ug/L	98
56) Isopropylbenzene	9.95	105	2602304	100.684	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	835347	96.944	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	666074	96.918	ug/L	99
61) Bromoform	9.75	173	407394	104.663	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	1155232	98.474	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	1156223	97.178	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1156378	96.643	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	223235	94.483	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	778750	100.164	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	739303	104.102	ug/L	99
69) Naphthalene	13.53	128	2784859	102.572	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	750947	102.654	ug/L	99

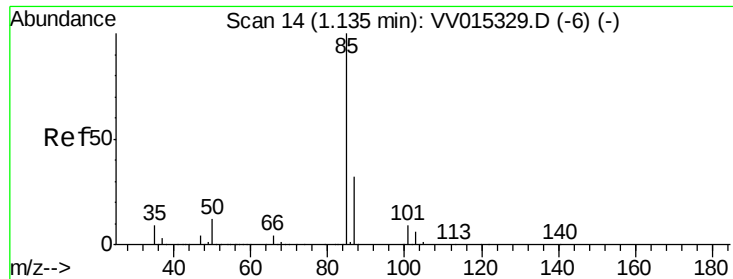
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 98.199 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :

MSVOA_V

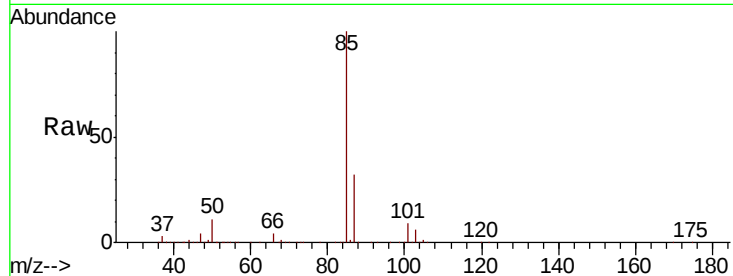
ClientSampleId :

Tot Ion: 85 Resp: 638884

Ion Ratio Lower Upper

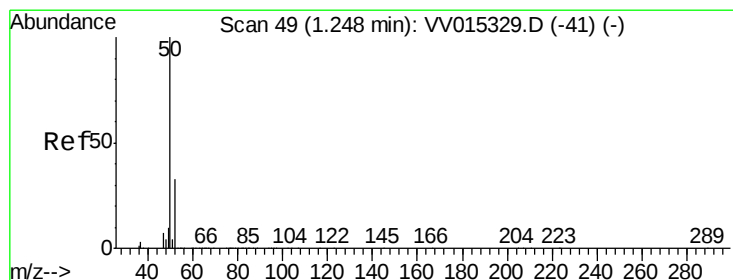
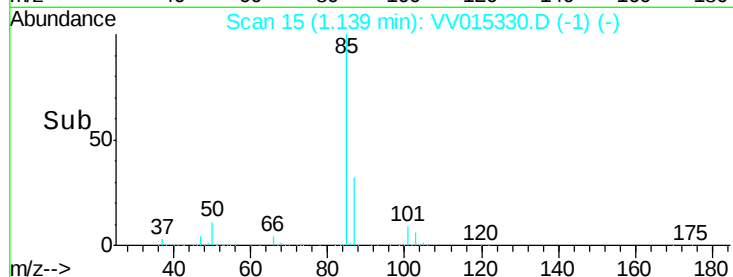
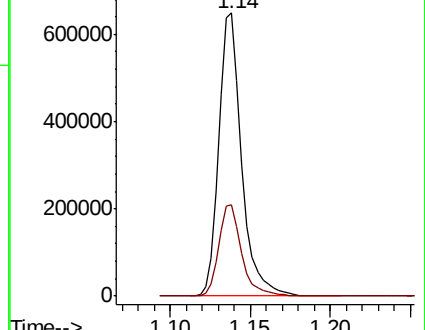
85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV015330.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015330.D (-1) (-)



#3

Chloromethane

Concen: 95.303 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015330.D

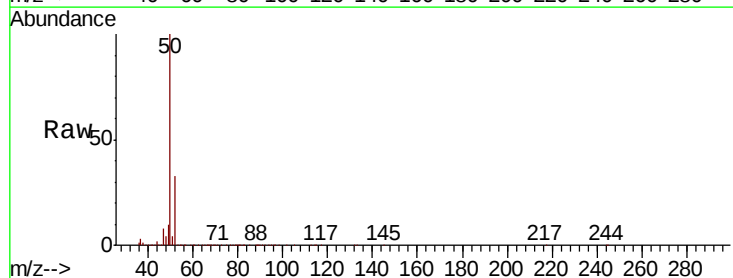
Acq: 01 Apr 2020 11:58

Tgt Ion: 50 Resp: 584346

Ion Ratio Lower Upper

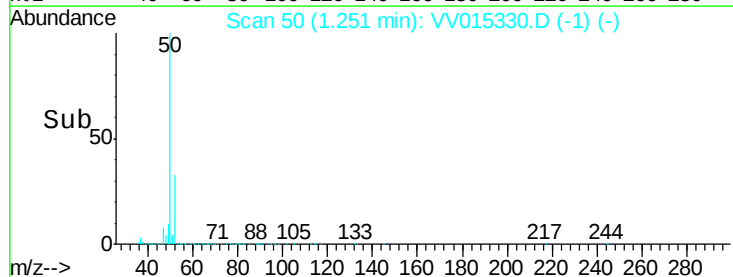
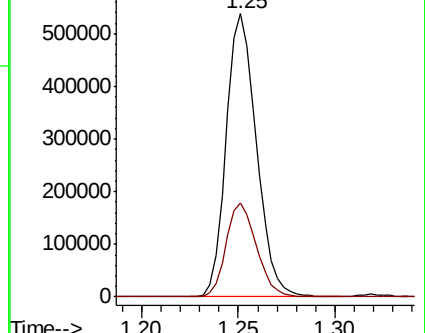
50 100

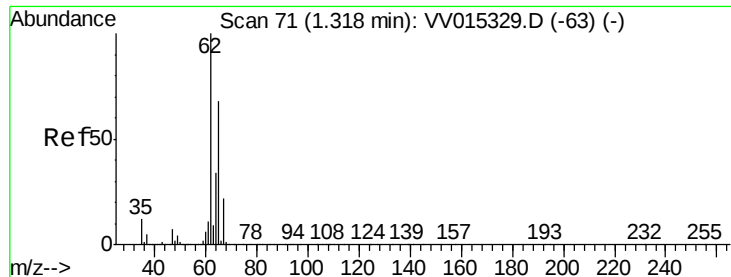
52 33.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV015330.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV015330.D (-1) (-)





#5

Vinyl chloride

Concen: 94.530 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :

MSVOA_V

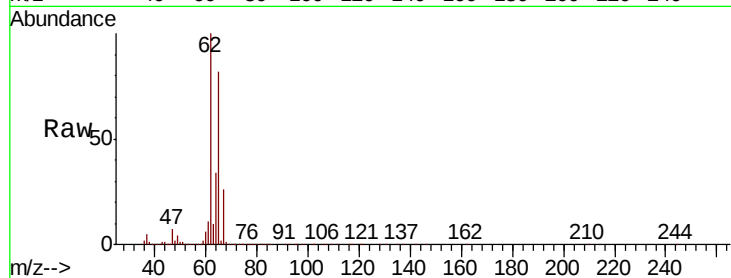
ClientSampleId :

Tot Ion: 62 Resp: 607105

Ion Ratio Lower Upper

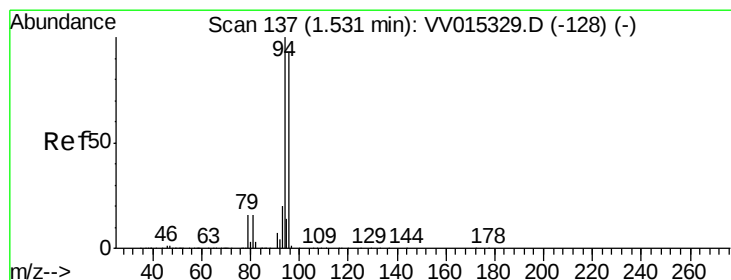
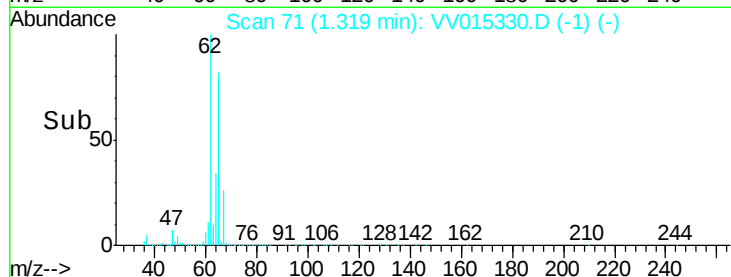
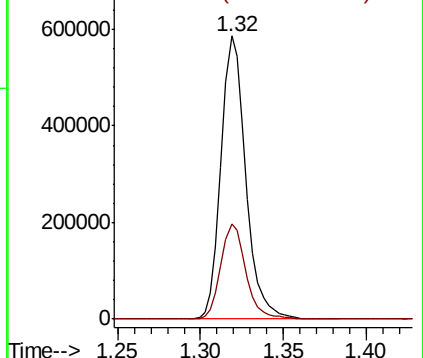
62 100

64 33.7 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 96.960 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015330.D

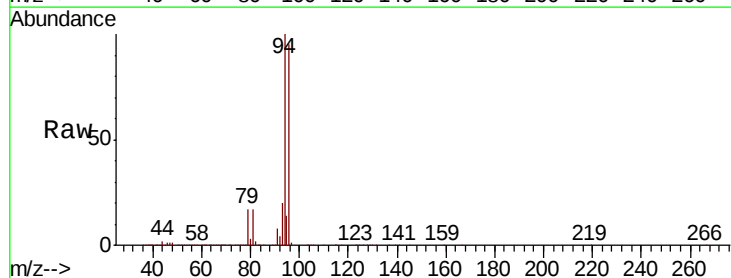
Acq: 01 Apr 2020 11:58

Tgt Ion: 94 Resp: 411639

Ion Ratio Lower Upper

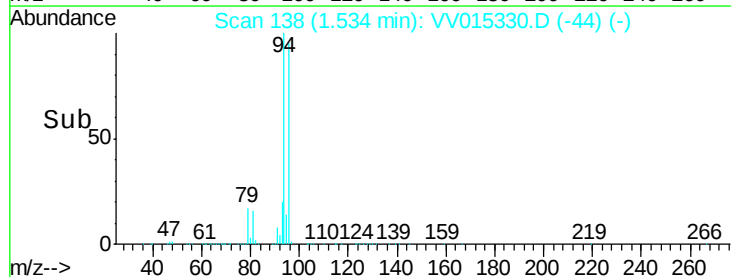
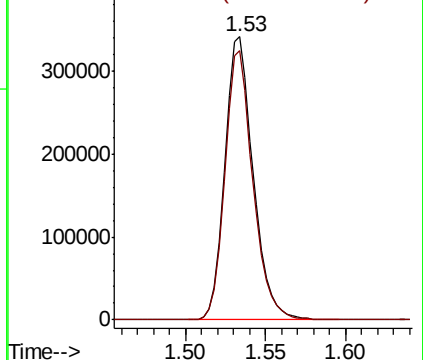
94 100

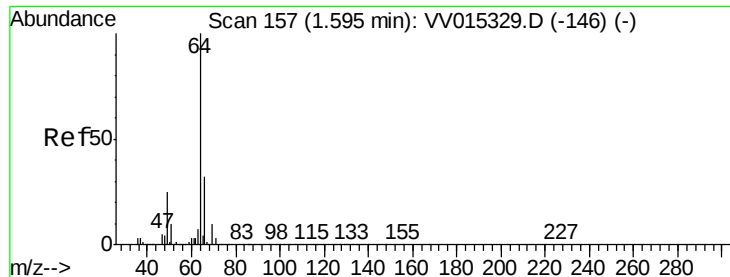
96 95.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 88.812 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :

MSVOA_V

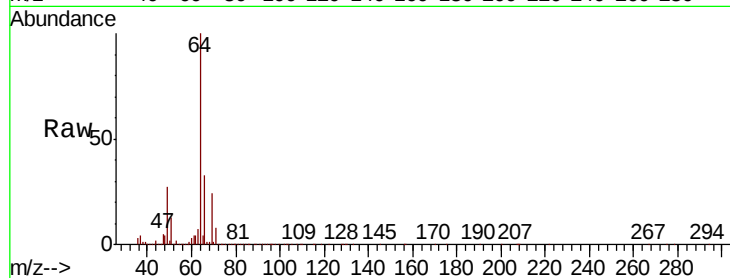
ClientSampleId :

Tot Ion: 64 Resp: 391832

Ion Ratio Lower Upper

64 100

66 33.3 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV015330.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VV015330.D (-33) (-)

1.60

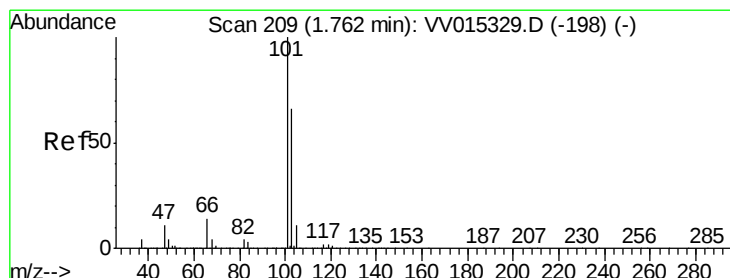
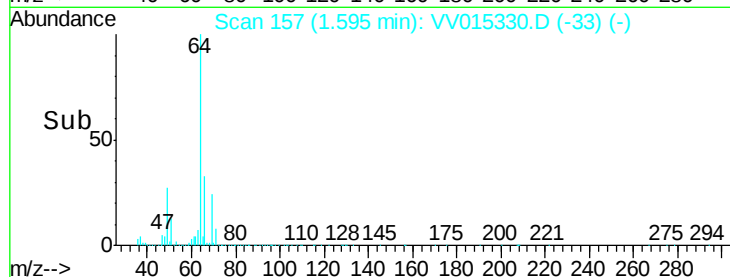
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 97.980 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015330.D

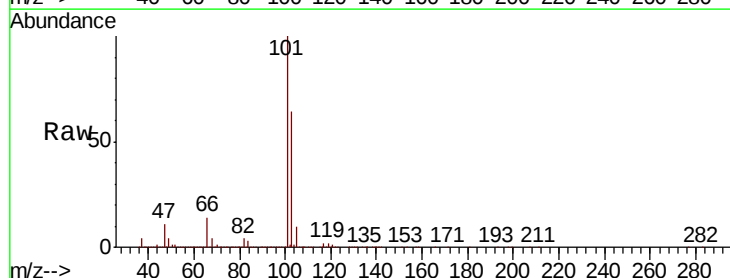
Acq: 01 Apr 2020 11:58

Tgt Ion: 101 Resp: 1189715

Ion Ratio Lower Upper

101 100

103 64.5 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015330.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV015330.D (-85) (-)

1.76

1000000

800000

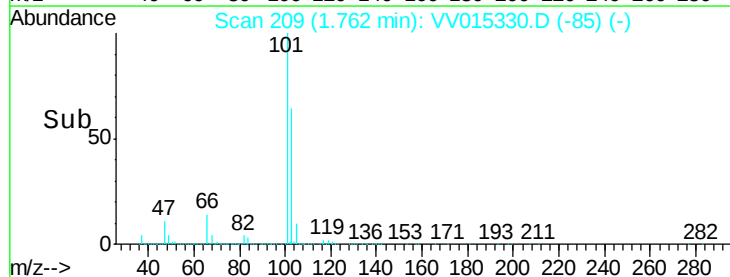
600000

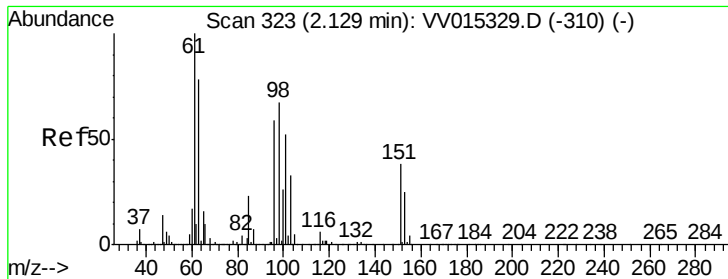
400000

200000

0

Time-->





#10

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

Concen: 96.503 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

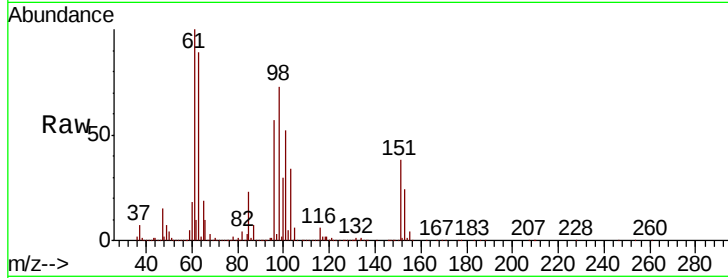
Tot Ion:101 Resp: 523641

Ion Ratio Lower Upper

101 100

85 44.8 36.1 54.1

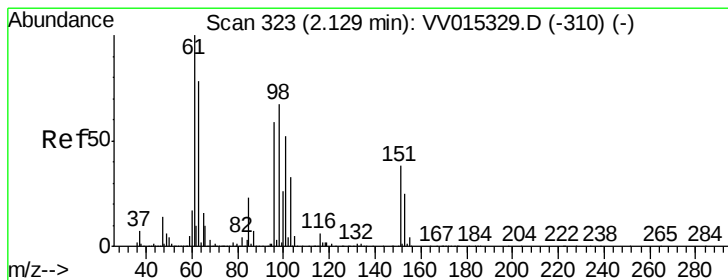
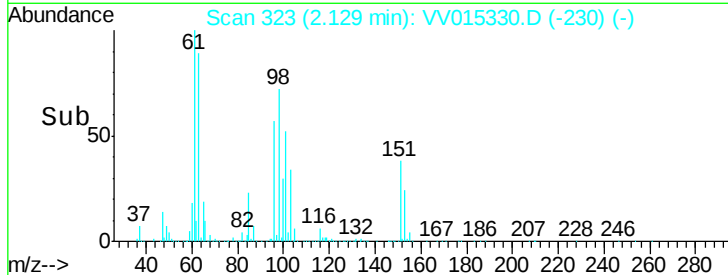
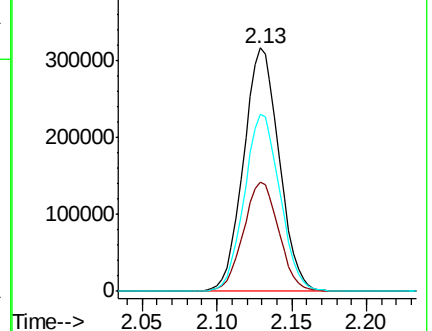
151 72.7 58.2 87.4



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: 96.271 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

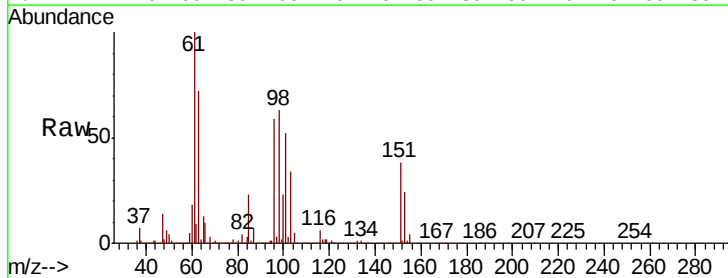
Tgt Ion: 96 Resp: 500097

Ion Ratio Lower Upper

96 100

61 170.1 118.0 219.2

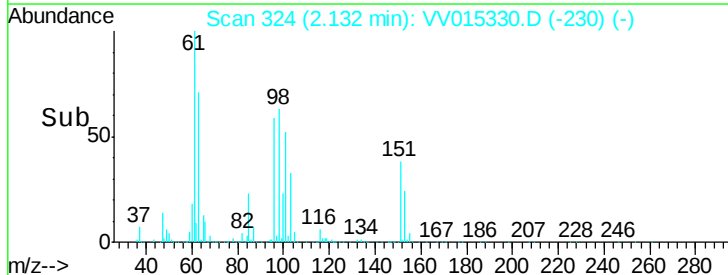
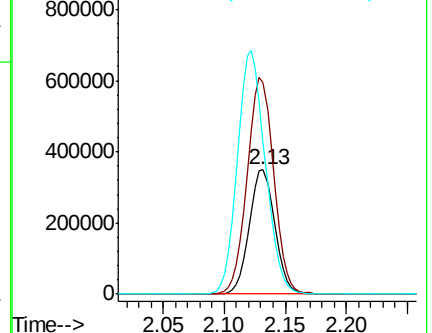
63 121.7 92.3 171.3

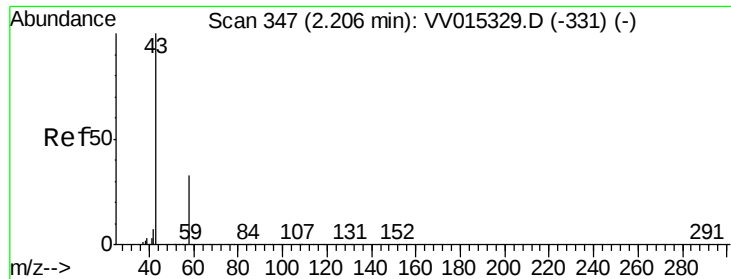


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 194.016 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

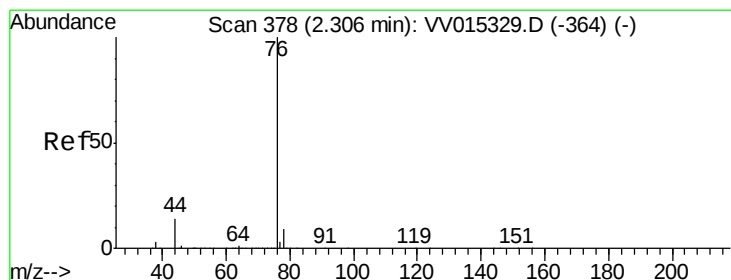
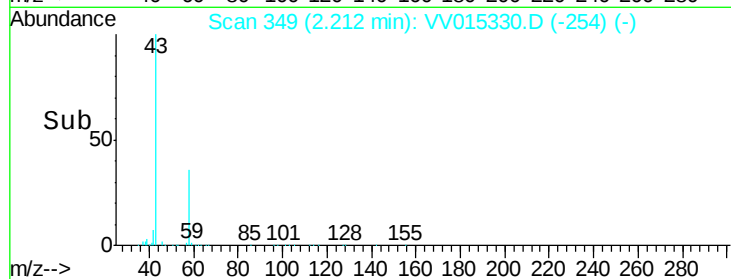
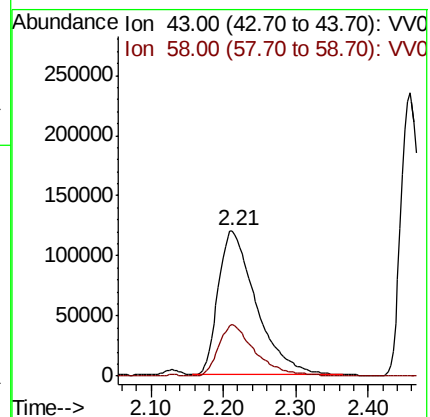
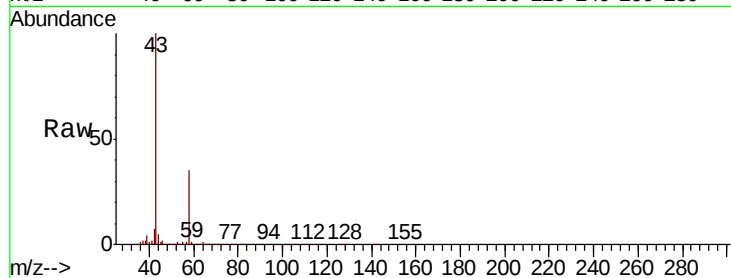
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 436640

Ion Ratio Lower Upper

43 100

58 33.4 0.0 68.2



#14

Carbon disulfide

Concen: 97.707 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015330.D

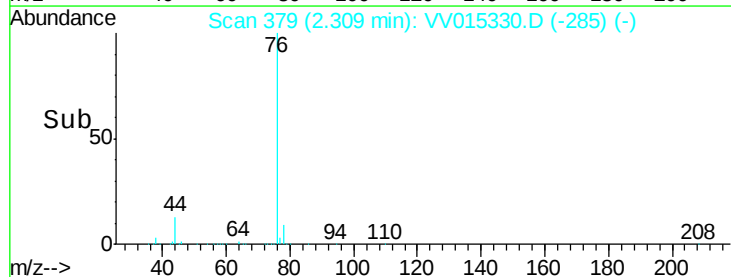
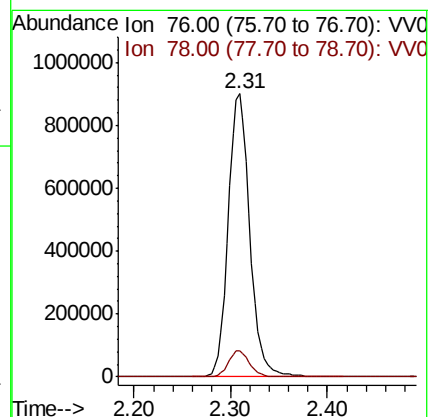
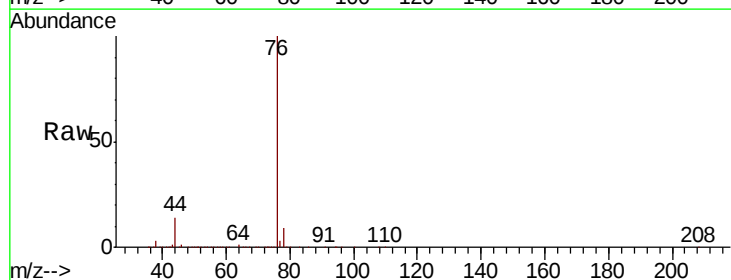
Acq: 01 Apr 2020 11:58

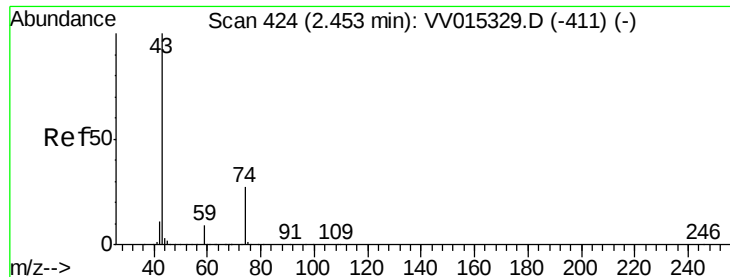
Tgt Ion: 76 Resp: 1391463

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

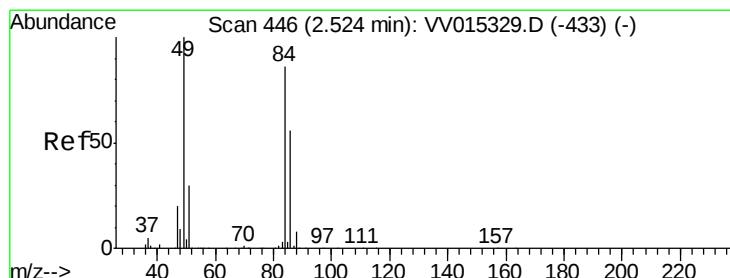
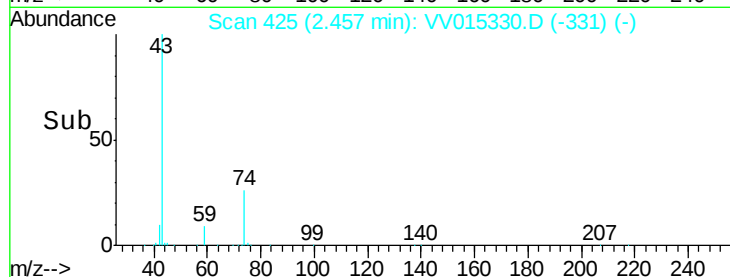
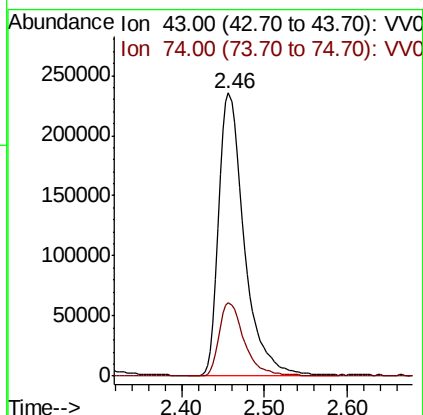
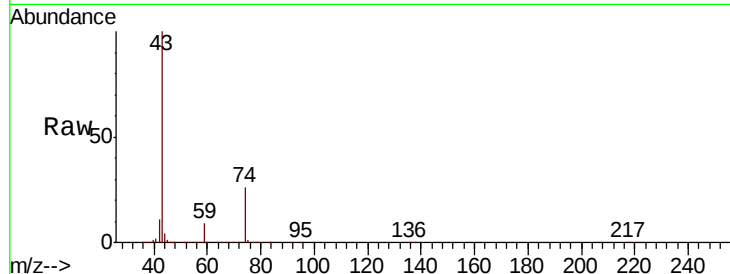




#15
Methvl Acetate
Concen: 100.389 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV015330.D
Acq: 01 Apr 2020 11:58

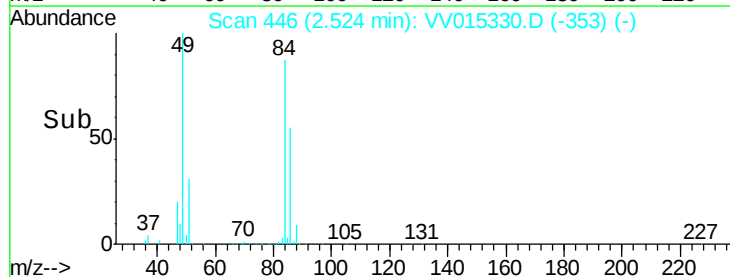
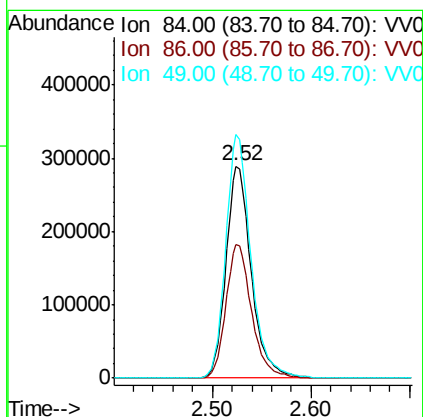
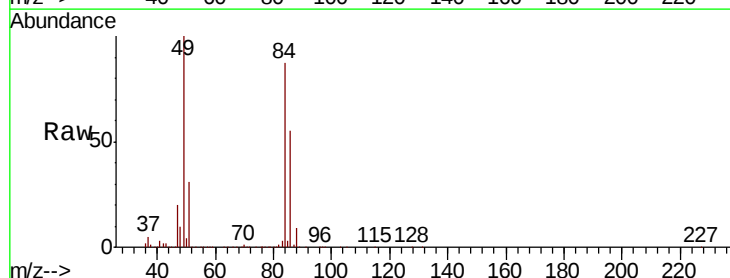
Instrument :
MSVOA_V
ClientSampled :

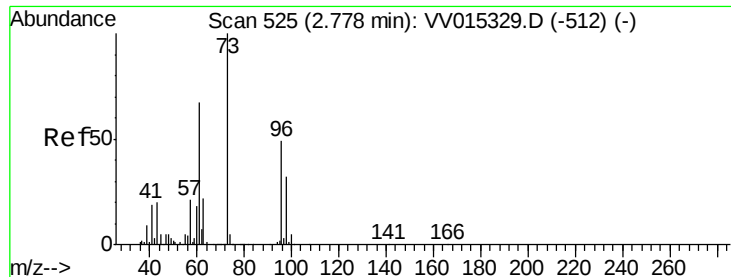
Tot Ion: 43 Resp: 498040
Ion Ratio Lower Upper
43 100
74 25.9 20.9 31.3



#16
Methylene chloride
Concen: 95.649 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015330.D
Acq: 01 Apr 2020 11:58

Tgt Ion: 84 Resp: 520856
Ion Ratio Lower Upper
84 100
86 63.1 45.1 83.9
49 114.8 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 99.302 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

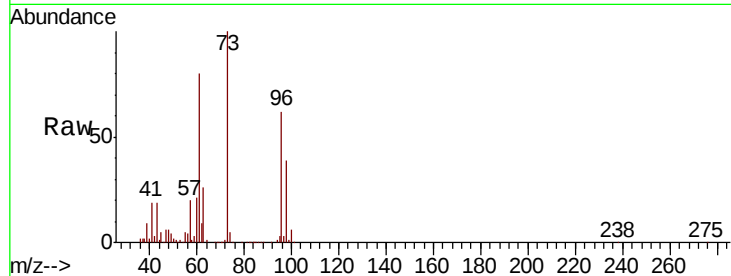
Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 488117

Ion	Ratio	Lower	Upper
96	100		
61	129.3	95.2	176.8
98	63.3	45.1	83.9

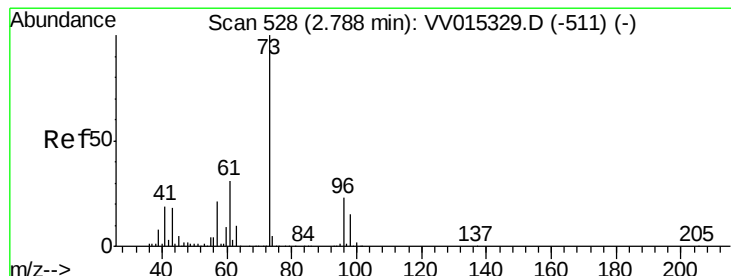
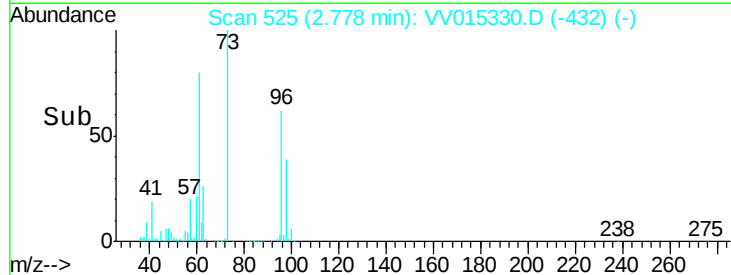
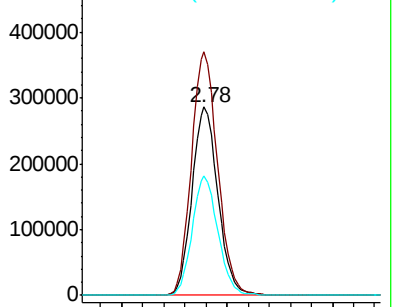


Abundance

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: 97.969 ug/L

RT: 2.79 min Scan# 529

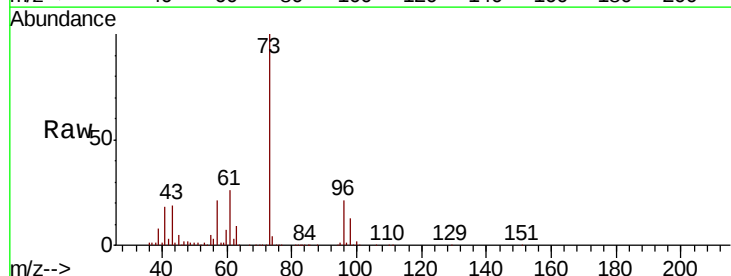
Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Tgt Ion: 73 Resp: 1587527

Ion	Ratio	Lower	Upper
73	100		
43	18.7	15.4	23.0
57	20.5	16.3	24.5

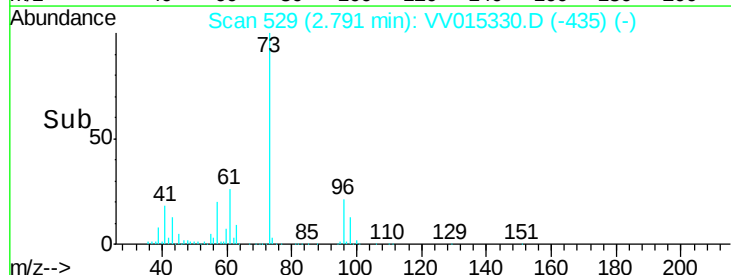
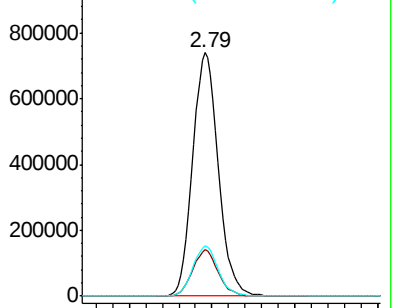


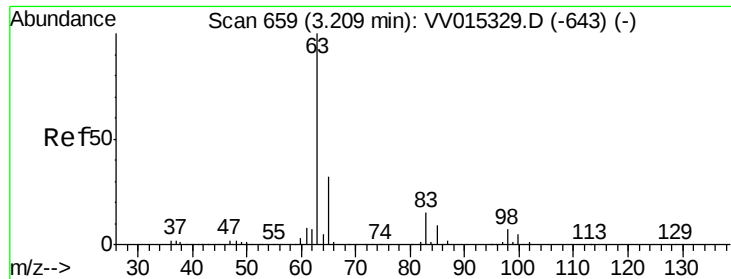
Abundance

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: 97.116 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :

MSVOA_V

ClientSampled :

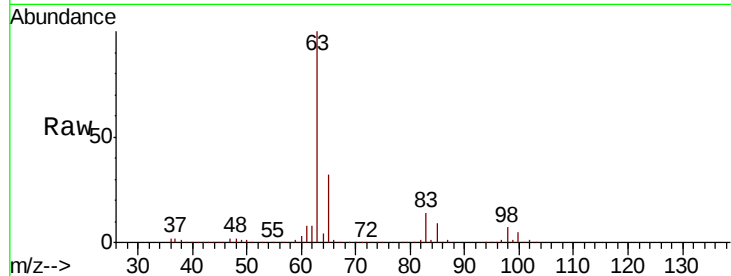
Tot Ion: 63 Resp: 868546

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.5

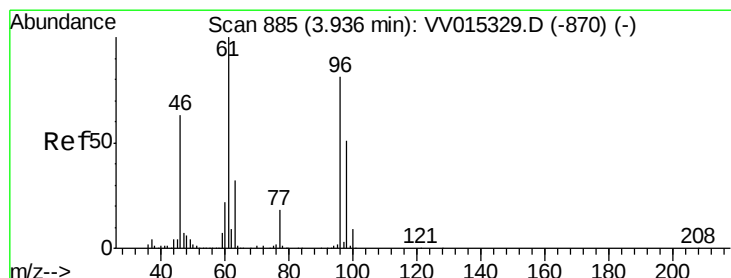
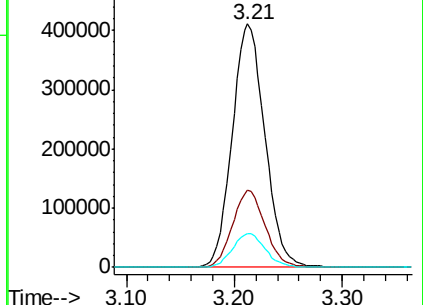
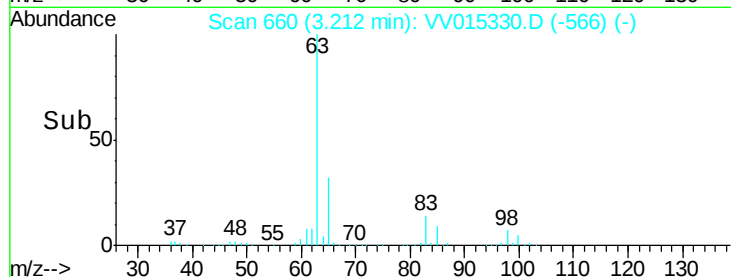
83 13.9 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VV015330.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV015330.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV015330.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 97.276 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

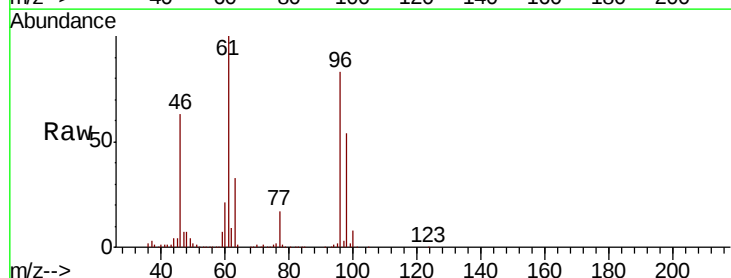
Tgt Ion: 96 Resp: 547571

Ion Ratio Lower Upper

96 100

61 120.1 86.4 160.4

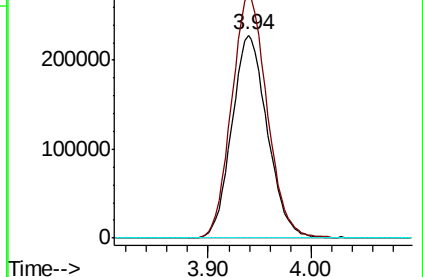
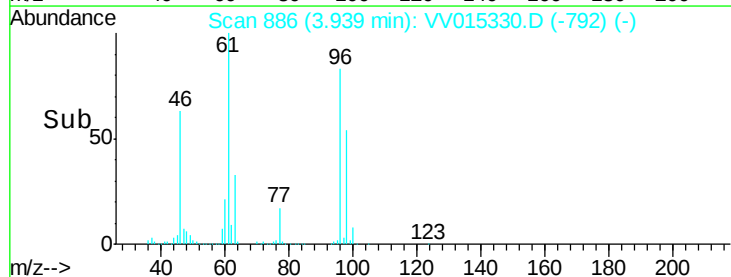
68 0.1 0.1 0.3#

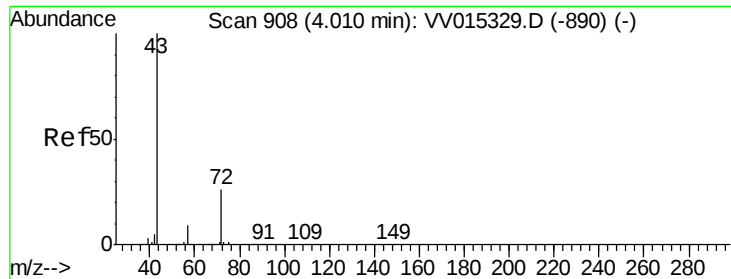


Abundance Ion 96.00 (95.70 to 96.70): VV015330.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV015330.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV015330.D (-792) (-)





#22

2-Butanone

Concen: 207.899 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

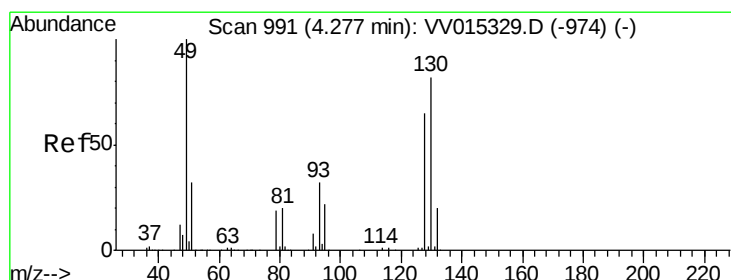
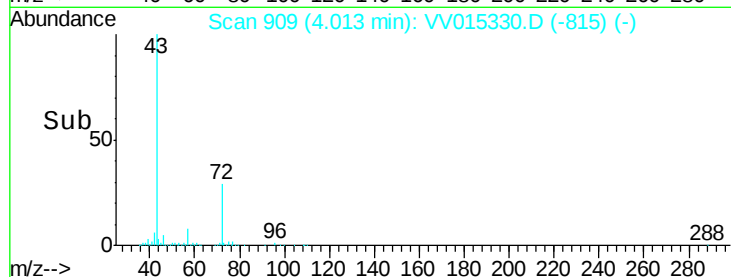
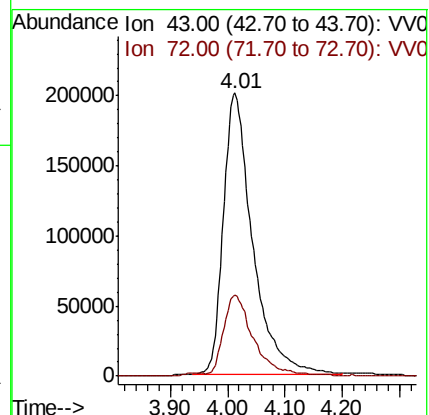
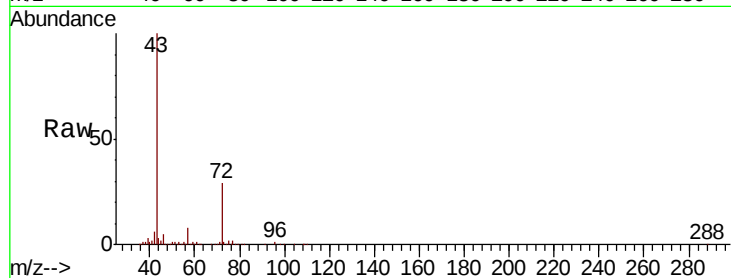
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 711743

Ion Ratio Lower Upper

43 100

72 27.7 13.3 39.8



#23

Bromochloromethane

Concen: 97.486 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Tgt Ion: 128 Resp: 276925

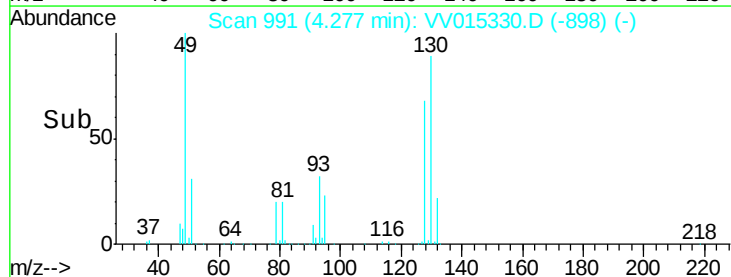
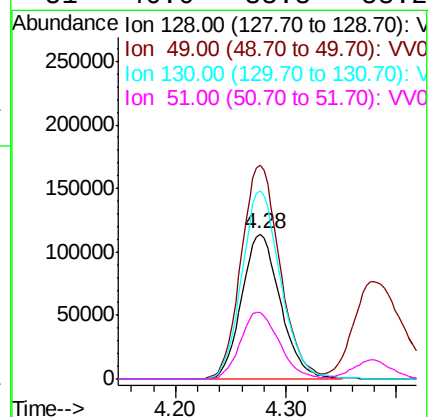
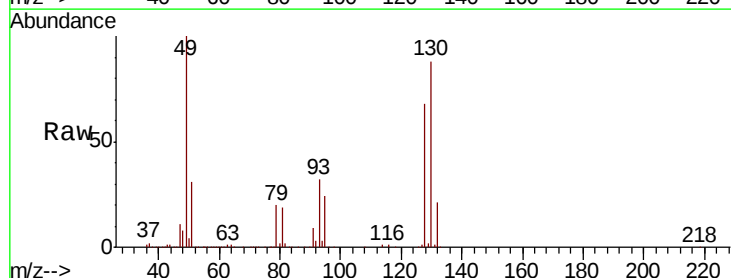
Ion Ratio Lower Upper

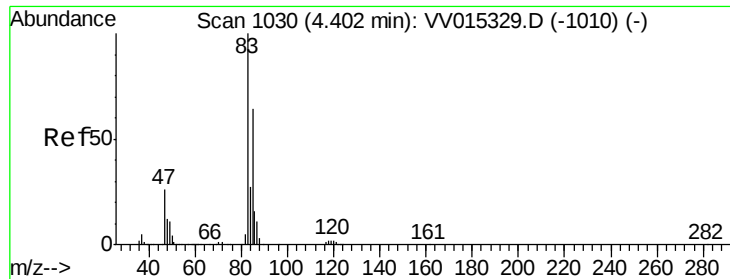
128 100

49 147.4 107.5 199.7

130 129.8 87.7 162.9

51 46.0 38.8 58.2





#25

Chloroform

Concen: 95.934 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

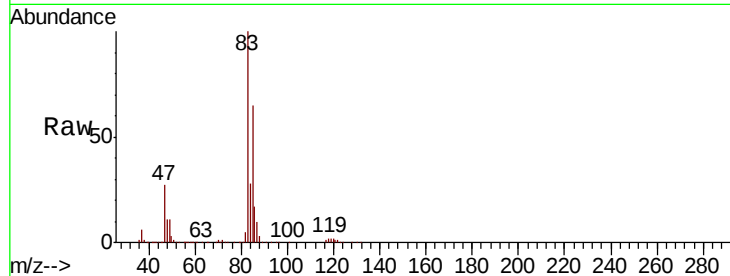
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 930388

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV015330.D (-937) (-)

Ion 85.00 (84.70 to 85.70): VV015330.D (-937) (-)

4.41

400000

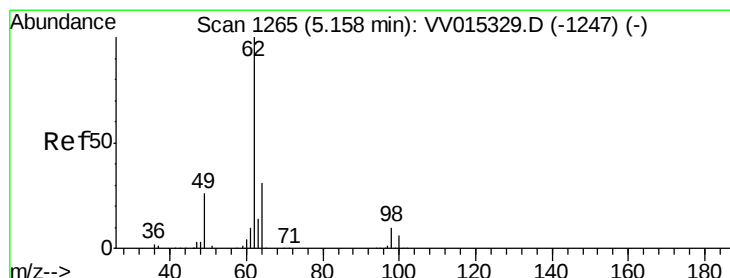
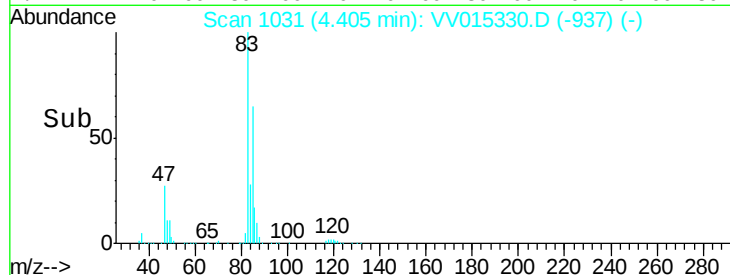
300000

200000

100000

0

Time-->



#27

1,2-Dichloroethane

Concen: 97.163 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV015330.D

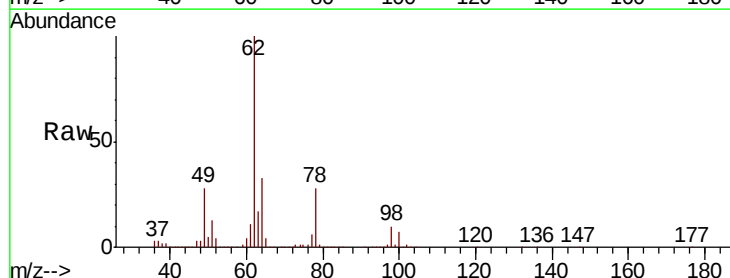
Acq: 01 Apr 2020 11:58

Tgt Ion: 62 Resp: 709716

Ion Ratio Lower Upper

62 100

98 9.8 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VV015330.D (-1172) (-)

Ion 98.00 (97.70 to 98.70): VV015330.D (-1172) (-)

5.16

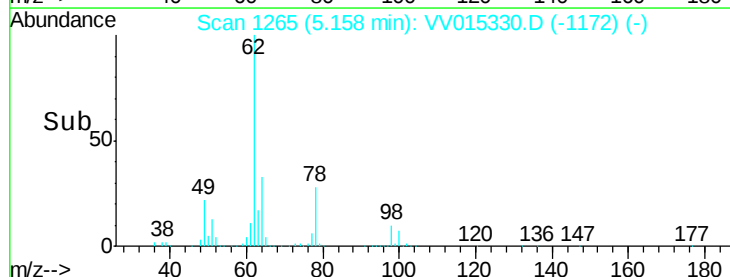
300000

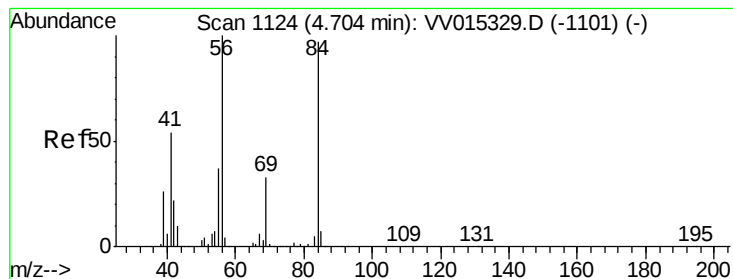
200000

100000

0

Time-->





#29

Cyclohexane

Concen: 95.585 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :
MSVOA_V
ClientSampleId :

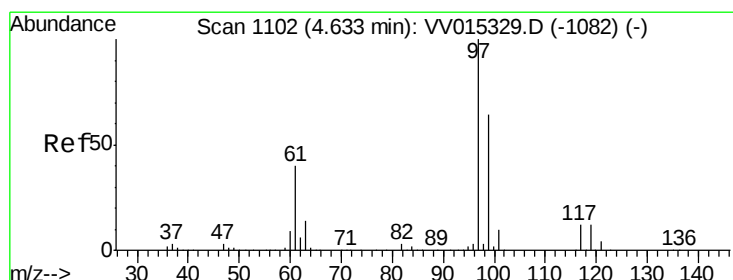
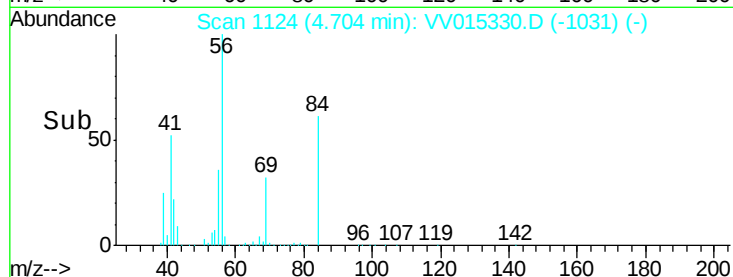
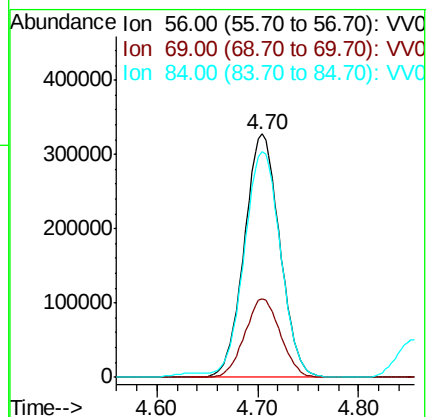
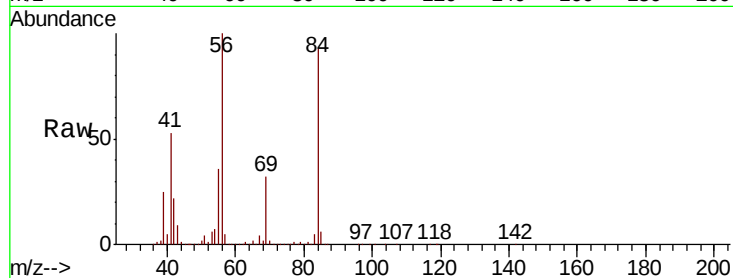
Tot Ion: 56 Resp: 796801

Ion Ratio Lower Upper

56 100

69 32.4 25.5 38.3

84 95.2 76.3 114.5



#30

1,1,1-Trichloroethane

Concen: 96.629 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

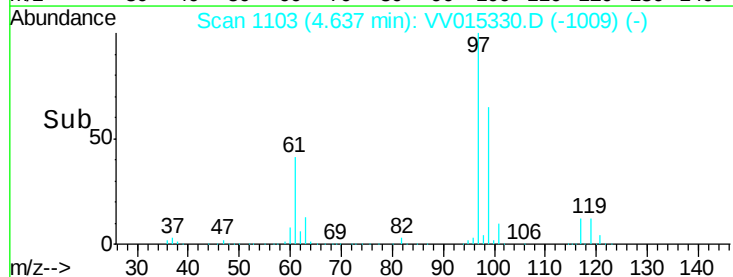
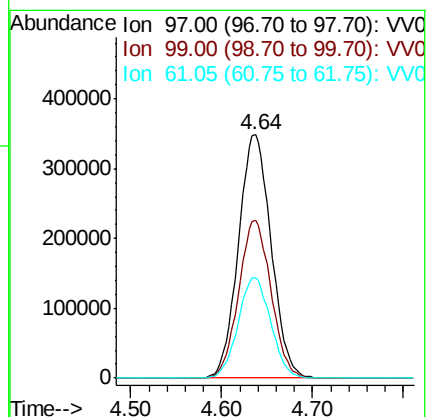
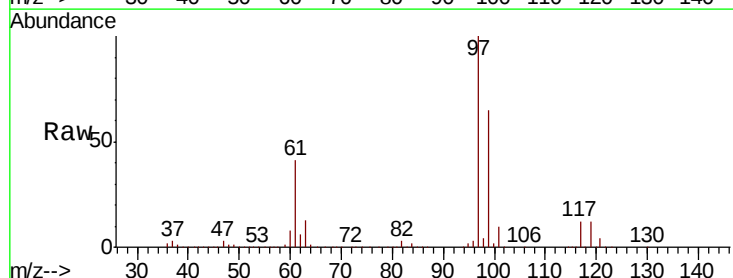
Tgt Ion: 97 Resp: 869990

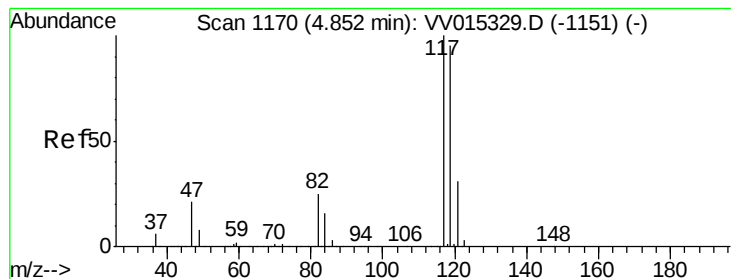
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 41.2 33.4 50.0





#31

Carbon tetrachloride

Concen: 98.630 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

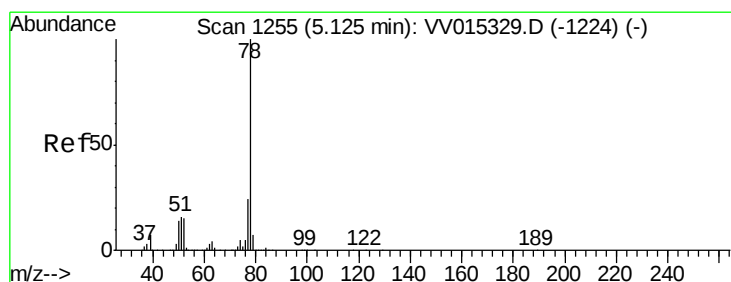
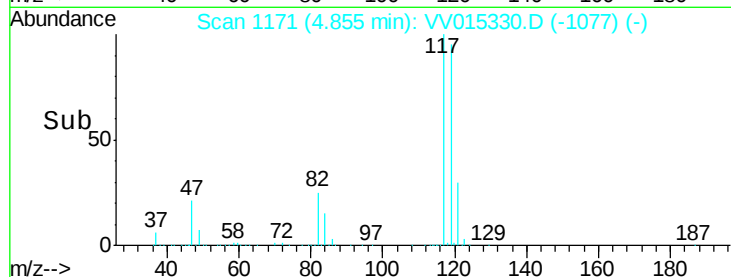
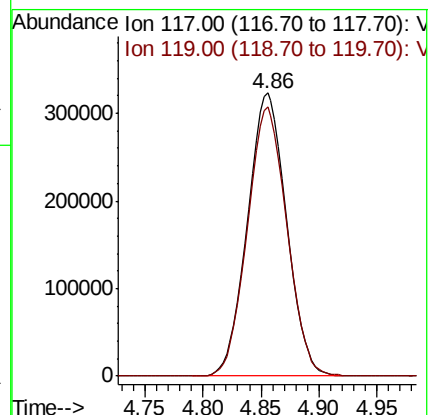
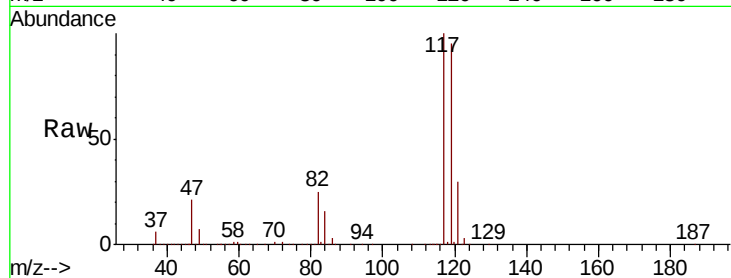
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 759227

Ion Ratio Lower Upper

117 100

119 96.1 76.8 115.2



#33

Benzene

Concen: 97.964 ug/L

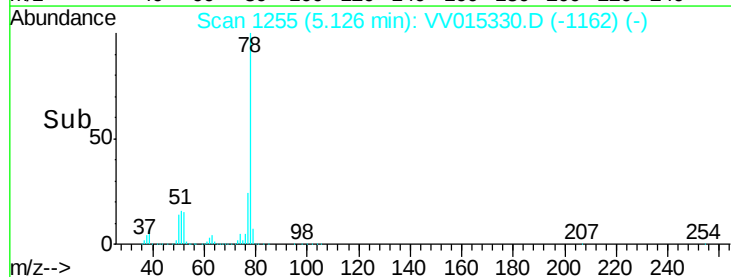
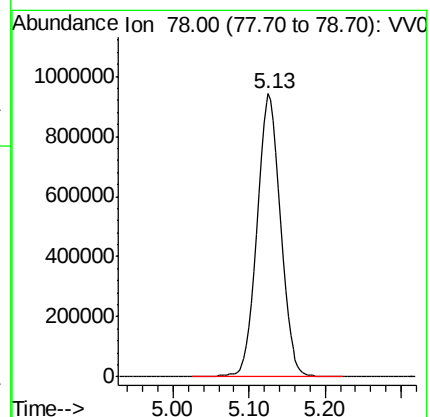
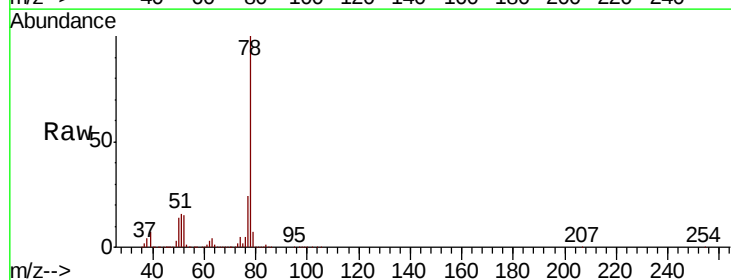
RT: 5.13 min Scan# 1255

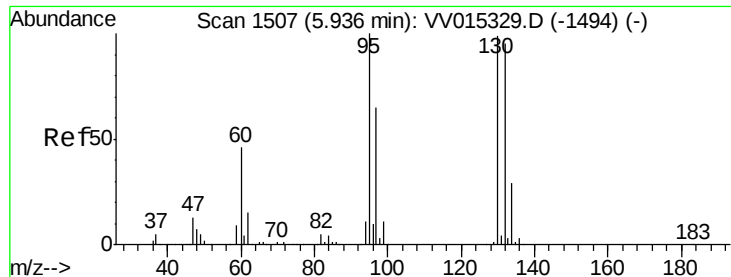
Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Tgt Ion: 78 Resp: 2031583

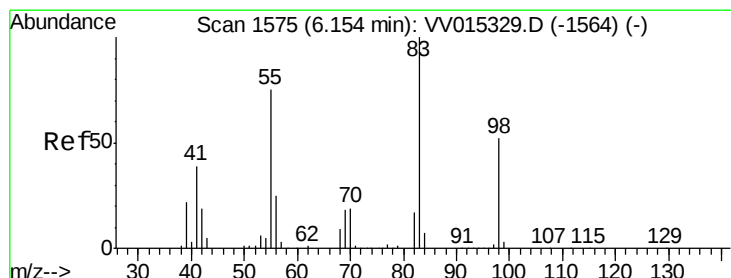
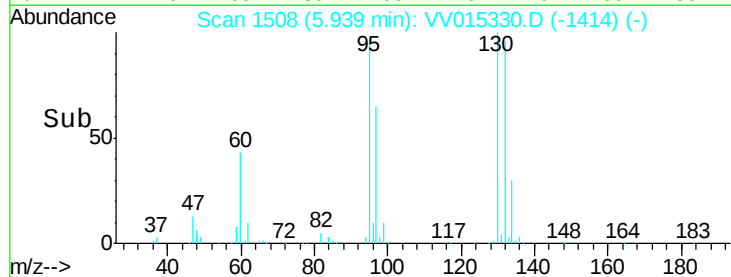
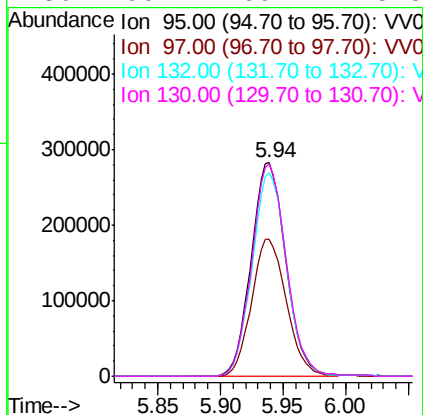
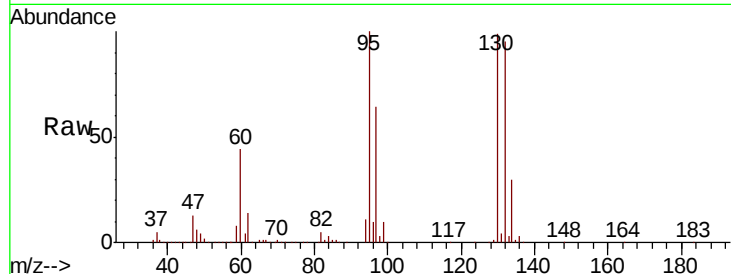




#34
 Trichloroethene
 Concen: 98.835 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015330.D
 Acq: 01 Apr 2020 11:58

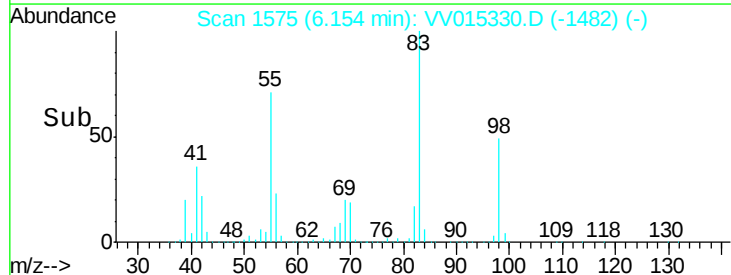
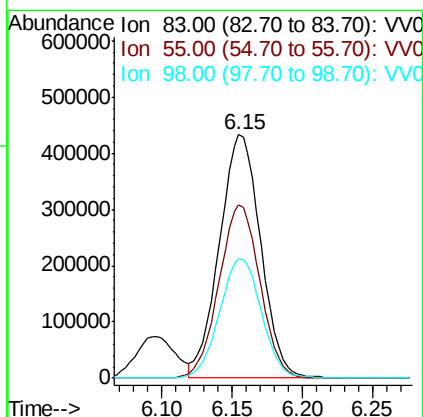
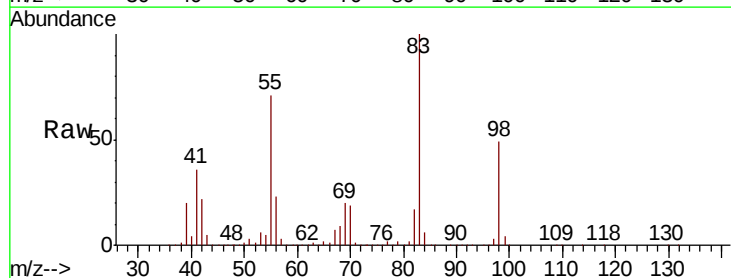
Instrument :
 MSVOA_V
 ClientSampleId :

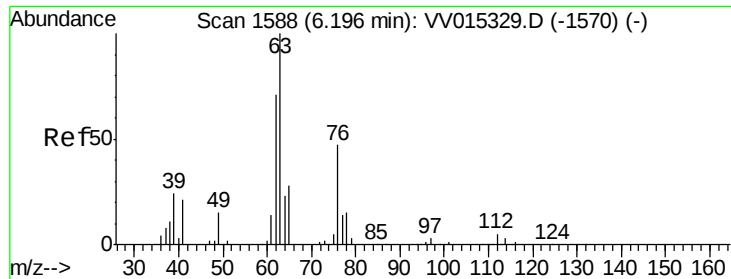
Tot Ion: 95 Resp: 542713
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.4 84.2
 132 95.4 66.8 124.2
 130 99.4 69.4 128.8



#35
 Methylcyclohexane
 Concen: 97.942 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015330.D
 Acq: 01 Apr 2020 11:58

Tgt Ion: 83 Resp: 881109
 Ion Ratio Lower Upper
 83 100
 55 70.7 57.9 86.9
 98 49.9 40.0 60.0





#37

1,2-Dichloropropane

Concen: 99.374 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

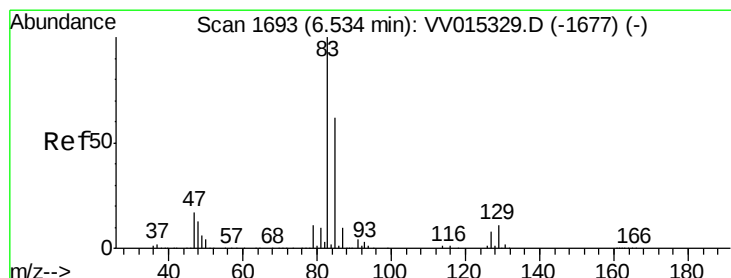
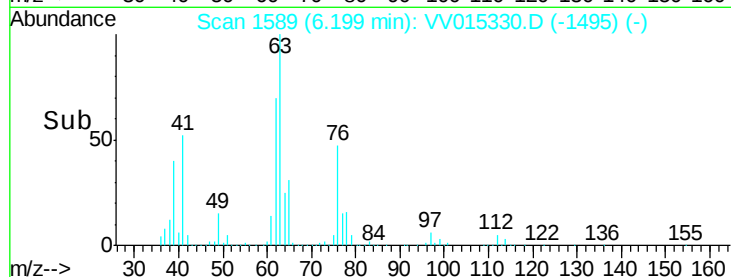
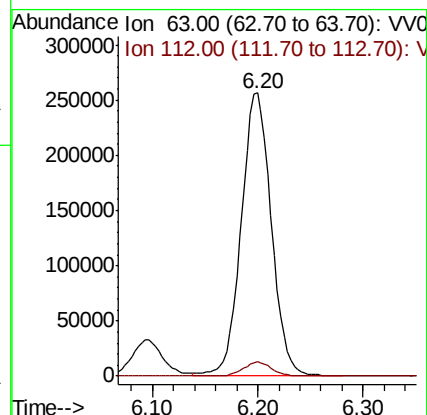
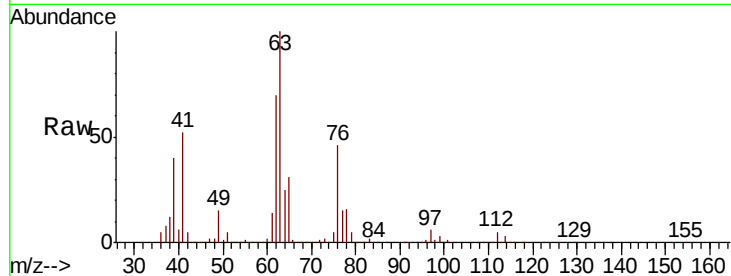
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 505789

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



#38

Bromodichloromethane

Concen: 98.387 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

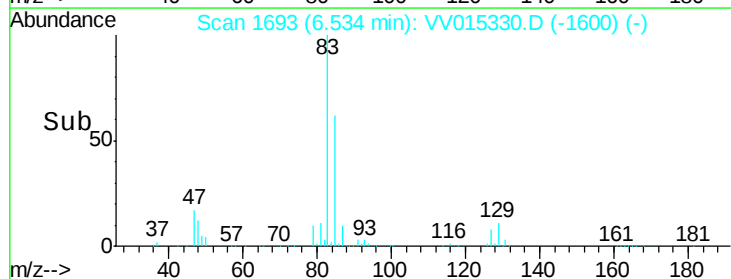
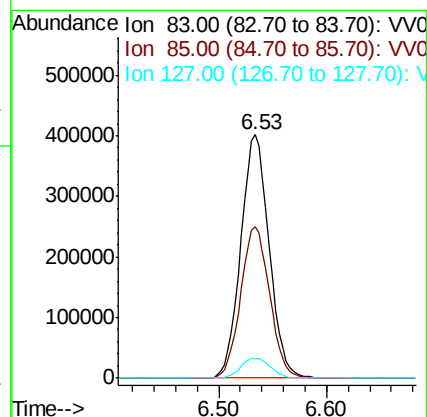
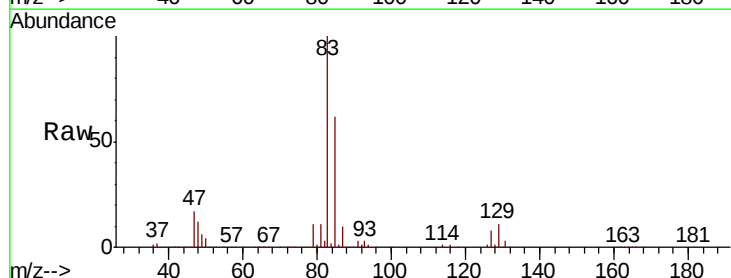
Tgt Ion: 83 Resp: 734146

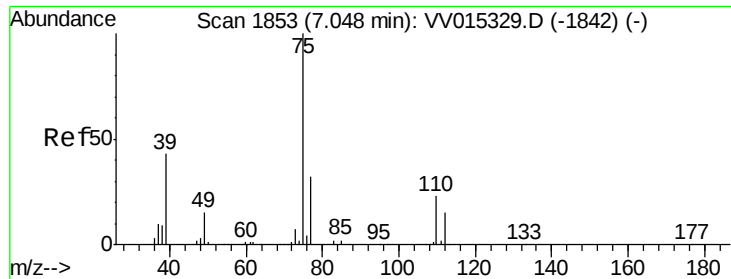
Ion Ratio Lower Upper

83 100

85 62.0 43.5 80.9

127 8.1 6.6 10.0



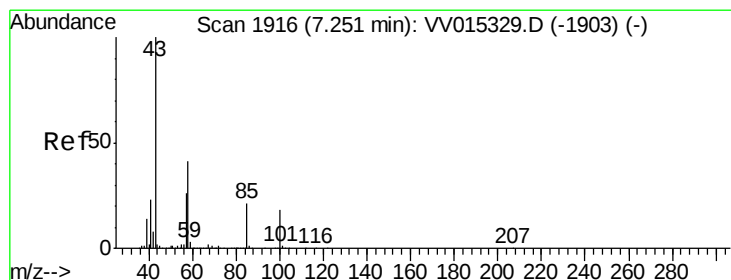
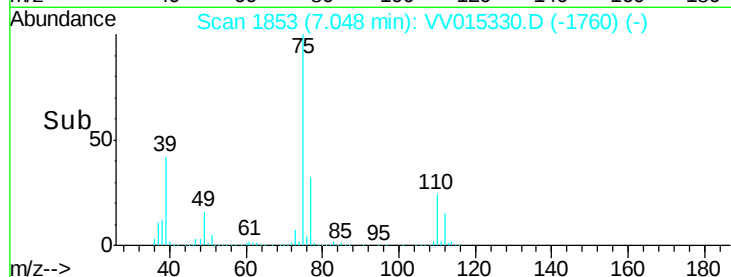
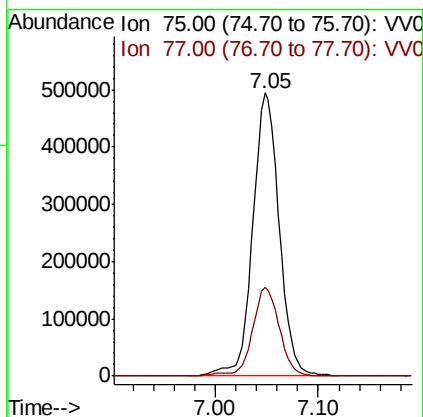
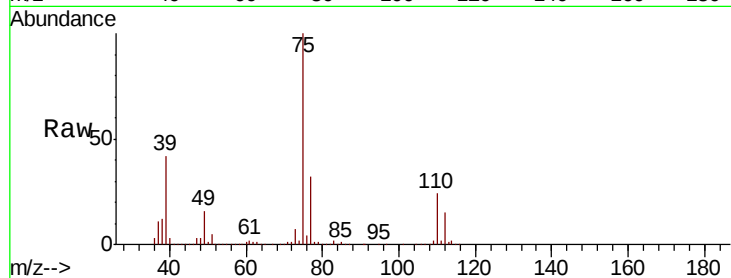


#39

cis-1,3-Dichloropropene
 Concen: 102.705 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015330.D
 Acq: 01 Apr 2020 11:58

Instrument :
 MSVOA_V
 ClientSampled :

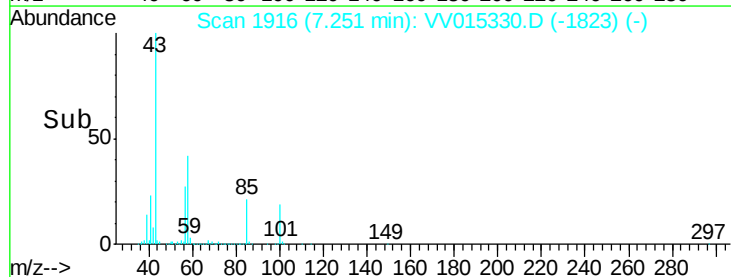
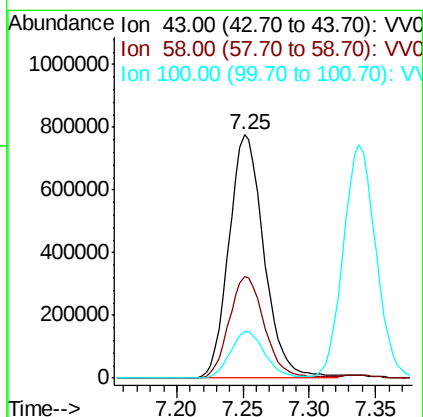
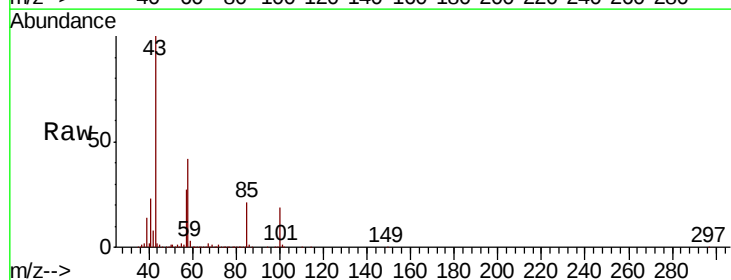
Tot Ion: 75 Resp: 878479
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.5 41.9

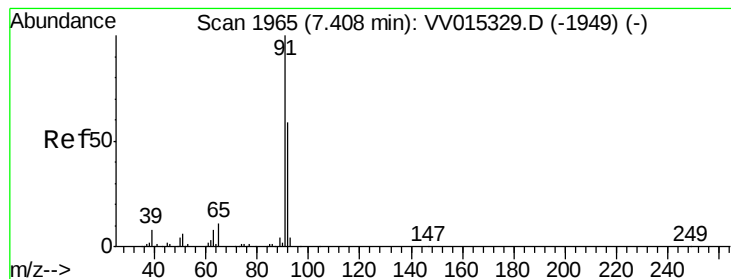


#40

4-Methyl-2-pentanone
 Concen: 199.085 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015330.D
 Acq: 01 Apr 2020 11:58

Tgt Ion: 43 Resp: 1424480
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.3 49.9
 100 18.9 14.6 22.0





#42

Toluene

Concen: 98.370 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :

MSVOA_V

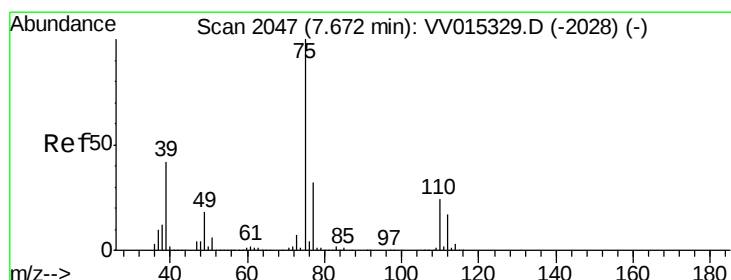
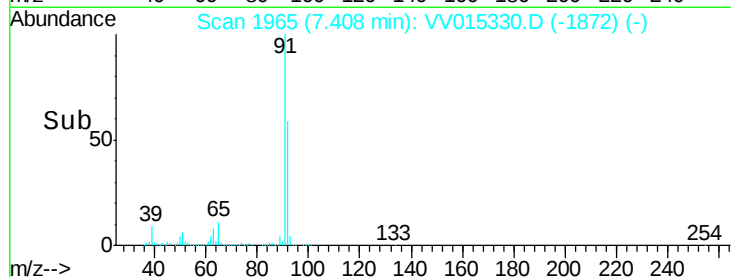
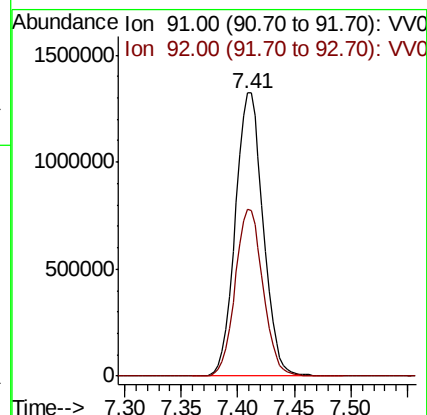
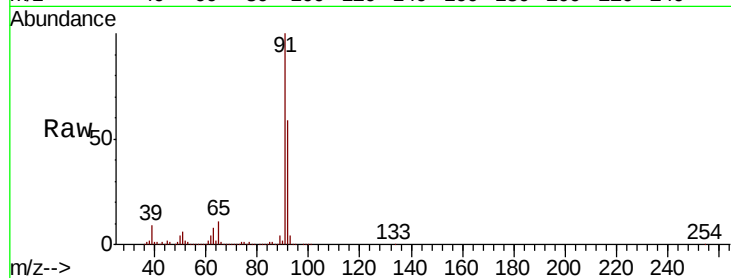
ClientSampleId :

Tot Ion: 91 Resp: 2267155

Ion Ratio Lower Upper

91 100

92 59.1 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 101.748 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015330.D

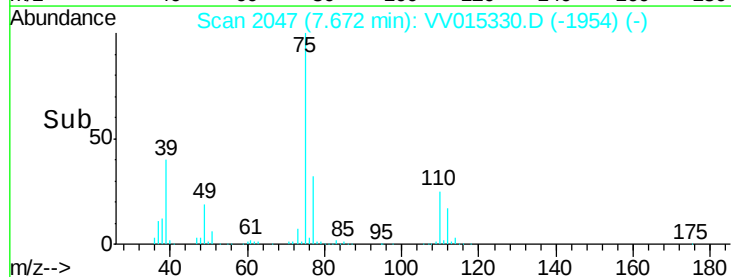
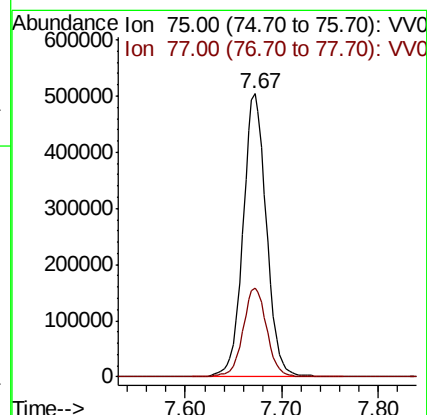
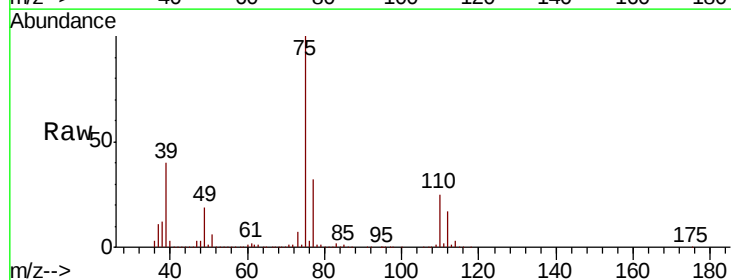
Acq: 01 Apr 2020 11:58

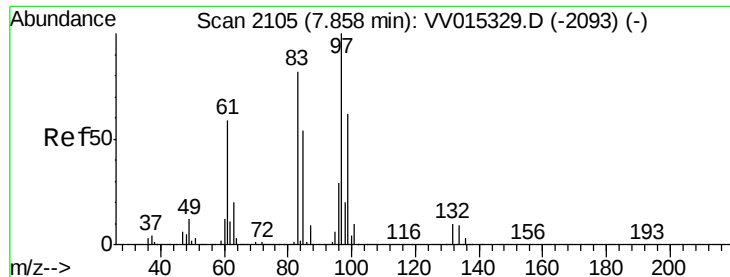
Tgt Ion: 75 Resp: 845669

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7

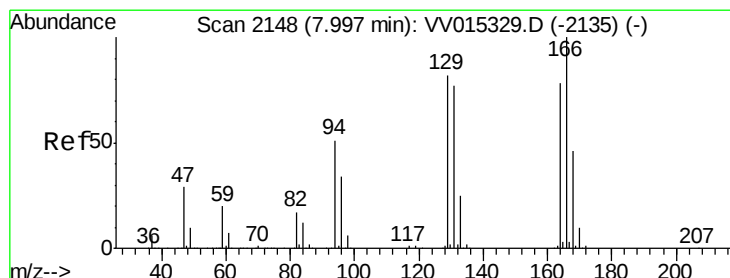
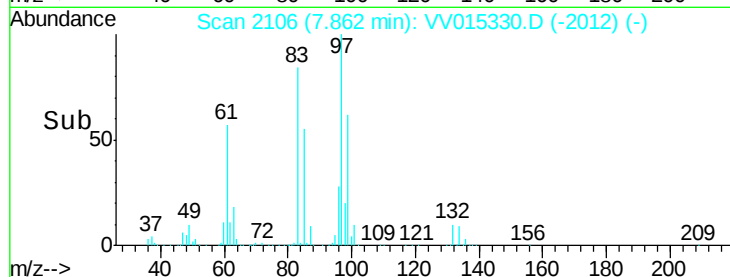
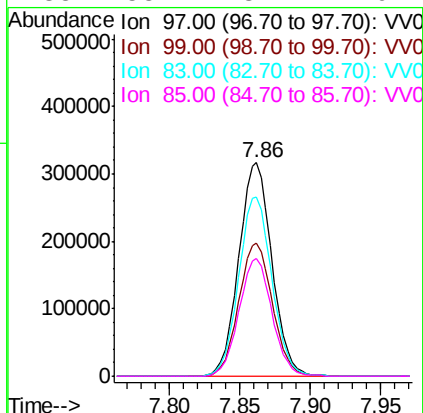
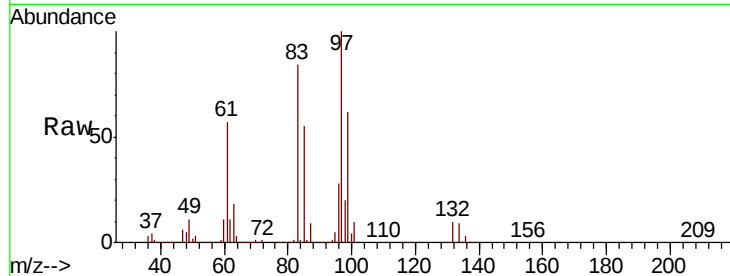




#45
 1,1,2-Trichloroethane
 Concen: 97.142 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015330.D
 Acq: 01 Apr 2020 11:58

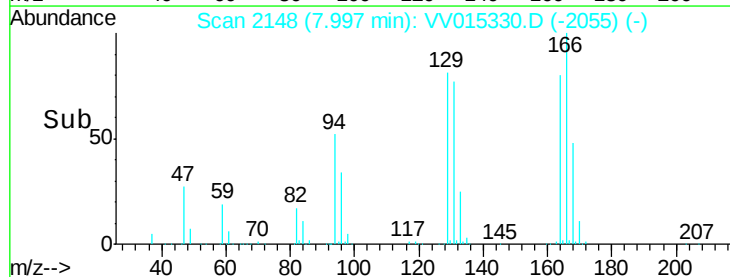
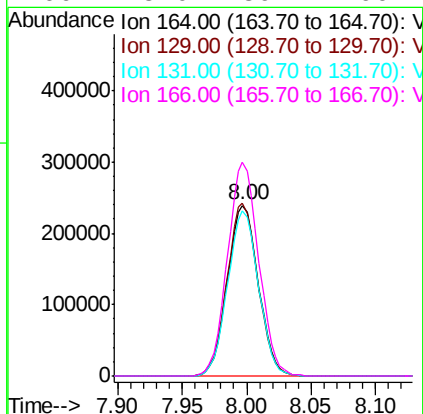
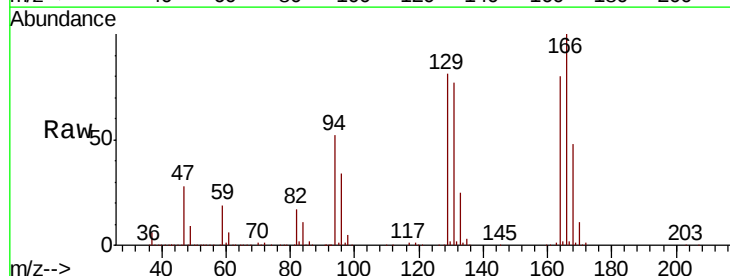
Instrument :
 MSVOA_V
 ClientSampleId :

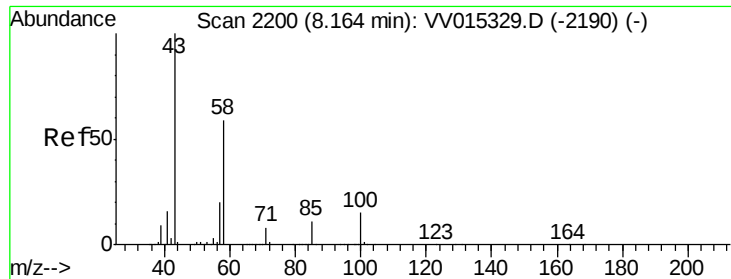
Tot Ion:	97	Resp:	521381
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.5	80.7
83	83.7	57.3	106.5
85	55.2	37.7	70.1



#46
 Tetrachloroethene
 Concen: 101.332 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015330.D
 Acq: 01 Apr 2020 11:58

Tgt Ion:	164	Resp:	398906
Ion	Ratio	Lower	Upper
164	100		
129	100.9	73.8	137.0
131	96.3	69.4	129.0
166	125.0	89.7	166.7

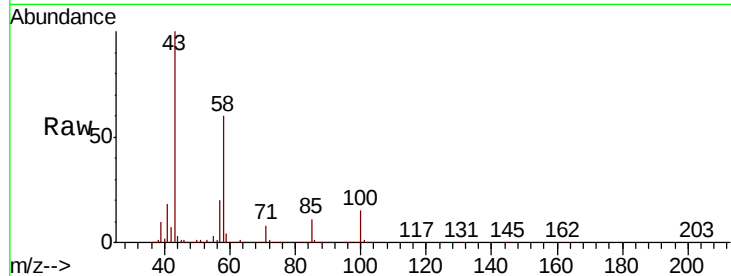




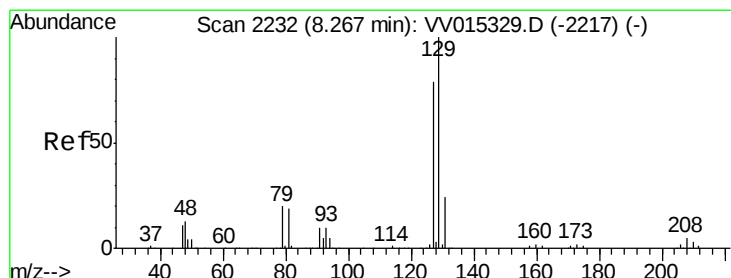
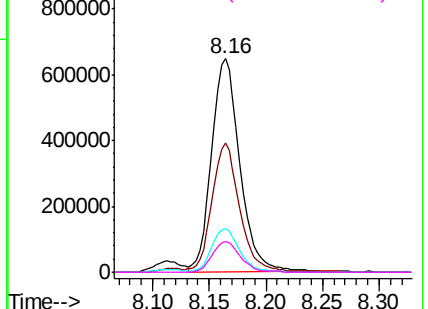
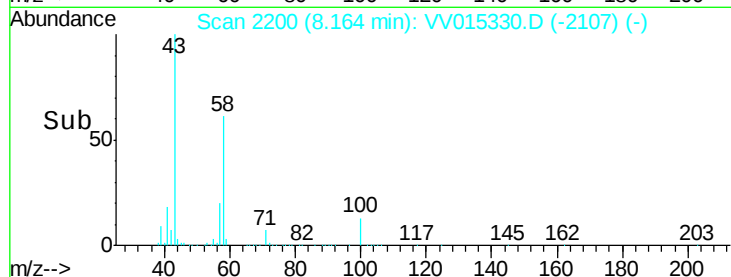
#48
2-Hexanone
Concen: 206.848 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015330.D
Acq: 01 Apr 2020 11:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1120747
Ion Ratio Lower Upper
43 100
58 59.5 47.4 71.2
57 20.0 16.7 25.1
100 14.5 11.5 17.3

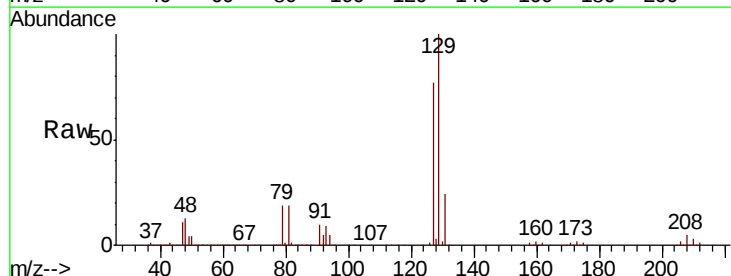


Abundance Ion 43.00 (42.70 to 43.70): VV015330.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015330.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015330.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015330.D (-2107) (-)

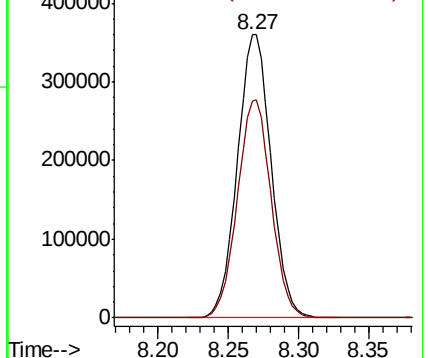
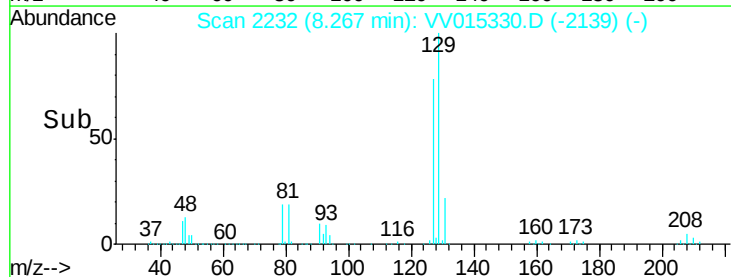


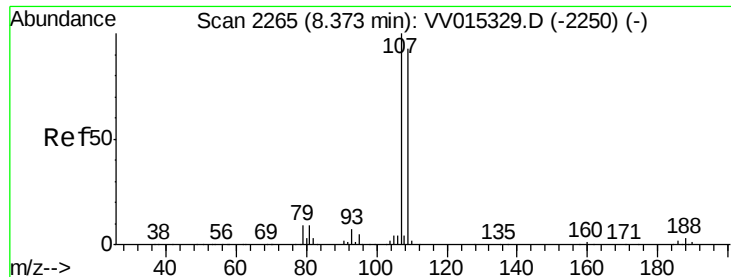
#49
Dibromochloromethane
Concen: 102.772 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015330.D
Acq: 01 Apr 2020 11:58

Tgt Ion: 129 Resp: 604079
Ion Ratio Lower Upper
129 100
127 76.6 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV015330.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015330.D (-2139) (-)

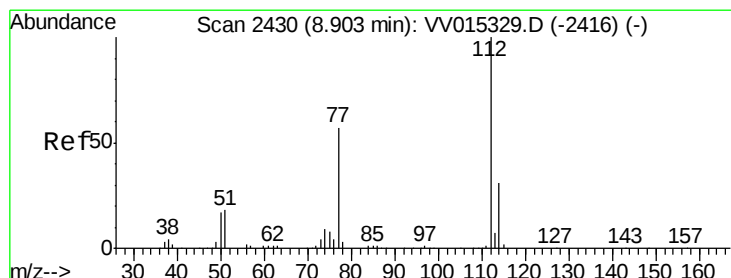
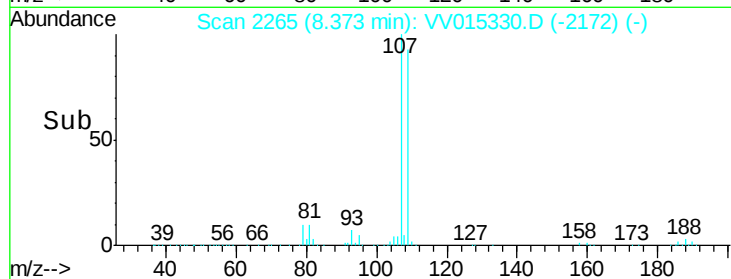
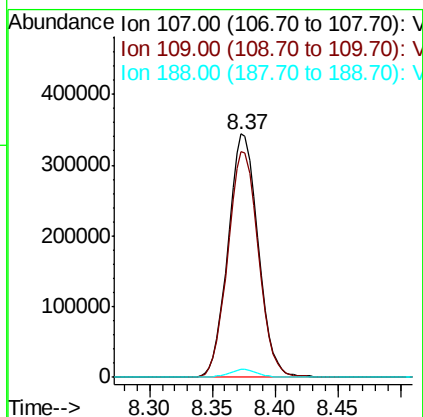
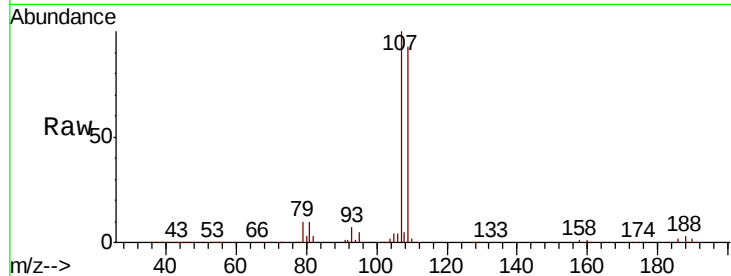




#50
1,2-Dibromoethane
Concen: 100.228 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015330.D
Acq: 01 Apr 2020 11:58

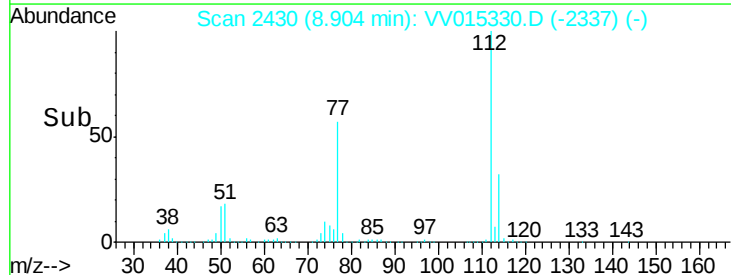
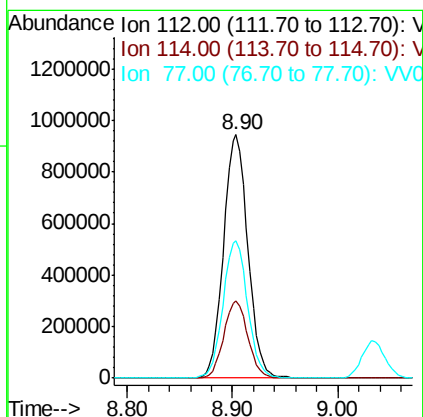
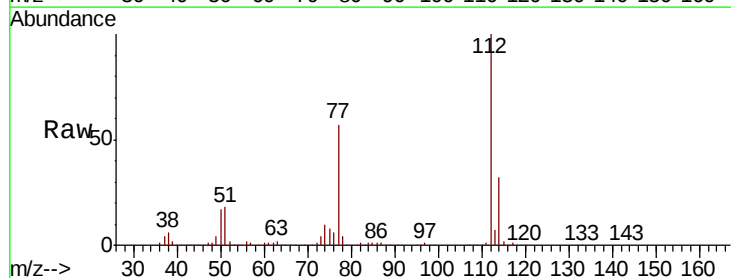
Instrument :
MSVOA_V
ClientSampleId :

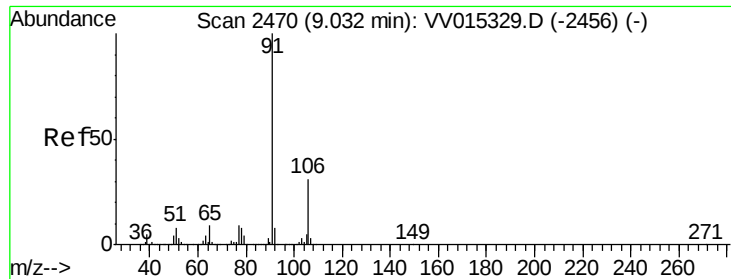
Tot Ion:107 Resp: 574241
Ion Ratio Lower Upper
107 100
109 92.6 65.0 120.8
188 3.1 2.4 3.6



#51
Chlorobenzene
Concen: 99.387 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015330.D
Acq: 01 Apr 2020 11:58

Tgt Ion:112 Resp: 1501270
Ion Ratio Lower Upper
112 100
114 31.8 21.8 40.4
77 56.6 46.2 69.2





#52

Ethylbenzene

Concen: 99.663 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

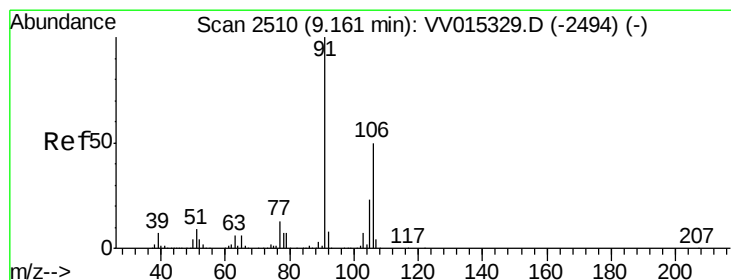
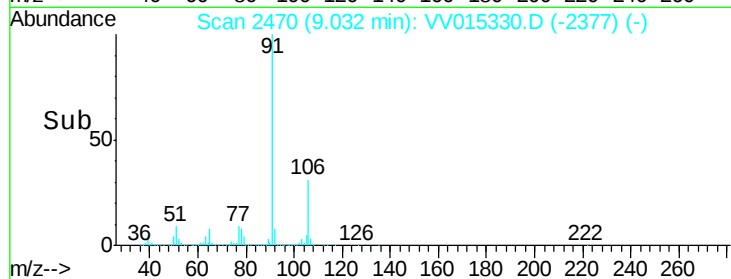
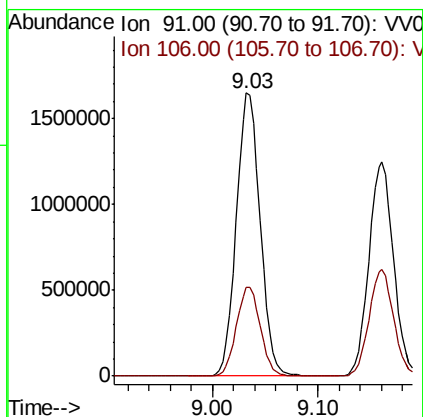
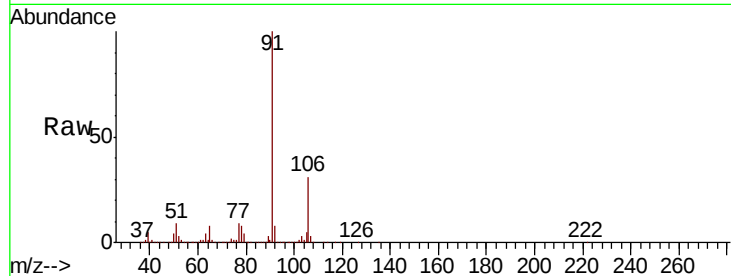
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 2578132

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.6



#53

m,p-Xylene

Concen: 101.451 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015330.D

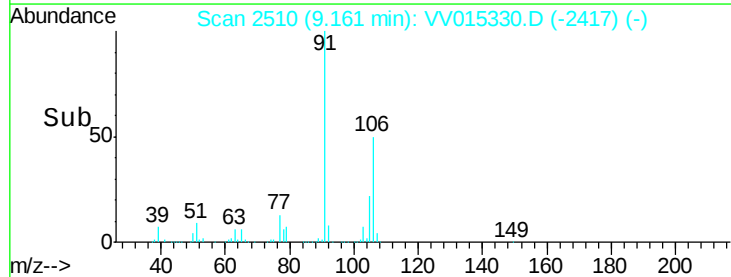
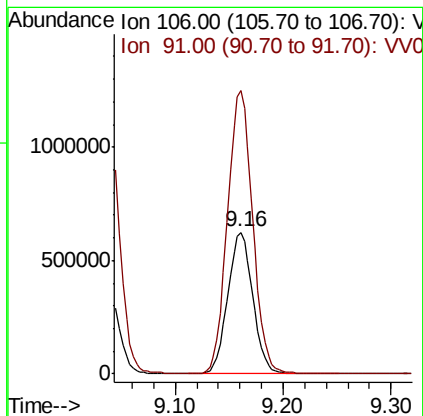
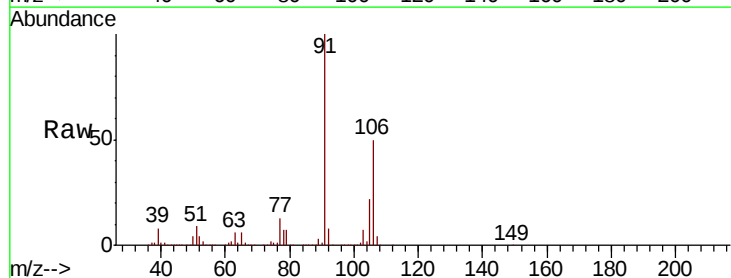
Acq: 01 Apr 2020 11:58

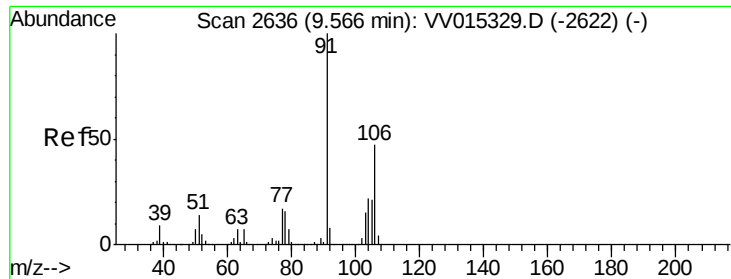
Tgt Ion: 106 Resp: 1010560

Ion Ratio Lower Upper

106 100

91 200.1 139.7 259.5





#54

o-xylene

Concen: 99.917 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

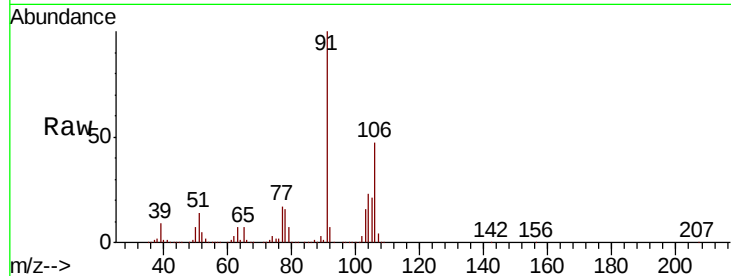
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 996960

Ion Ratio Lower Upper

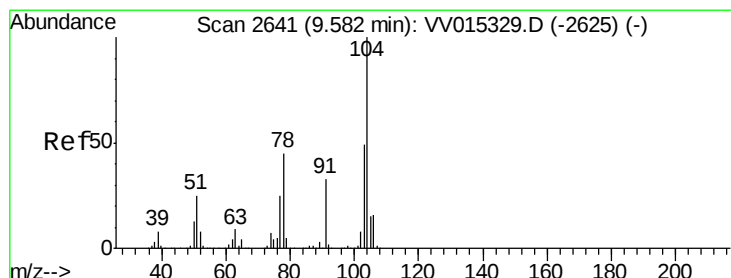
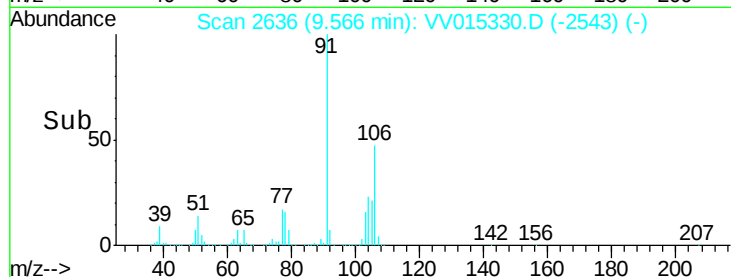
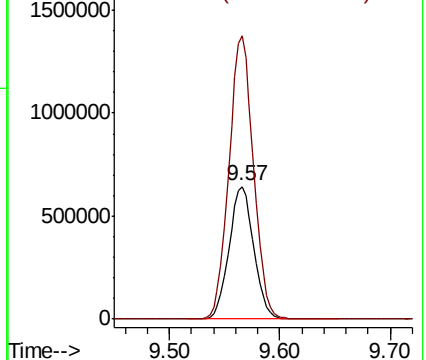
106 100

91 213.4 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 103.114 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015330.D

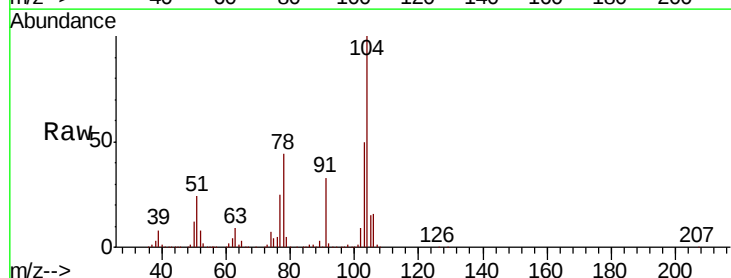
Acq: 01 Apr 2020 11:58

Tgt Ion:104 Resp: 1710880

Ion Ratio Lower Upper

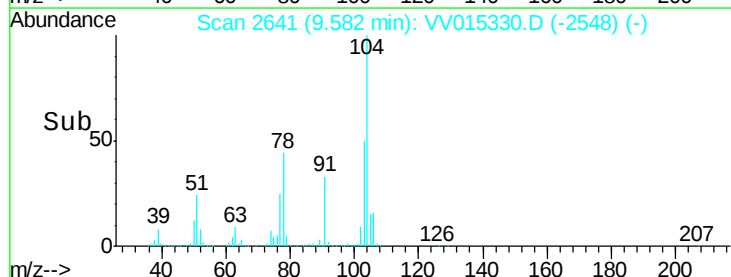
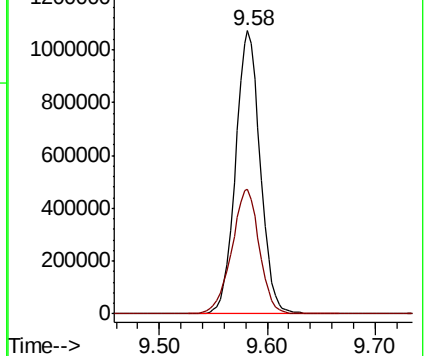
104 100

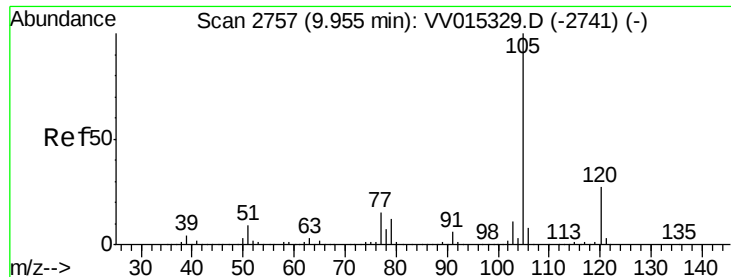
78 43.9 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 100.684 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

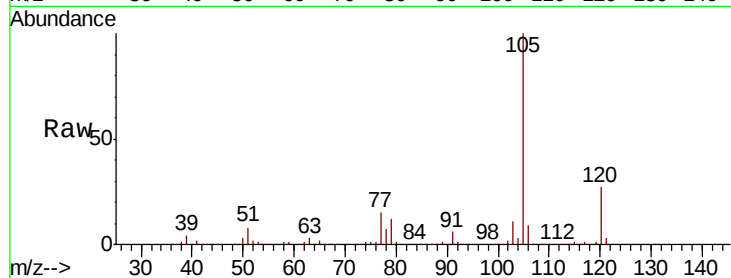
Tot Ion:105 Resp: 2602304

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

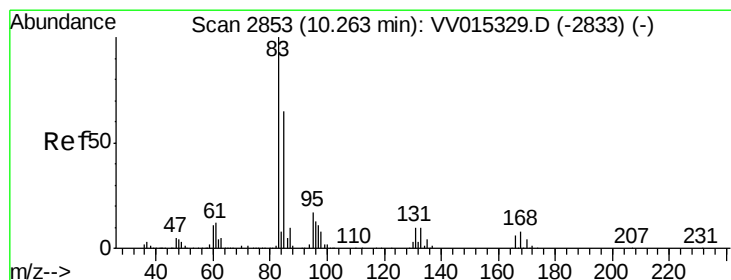
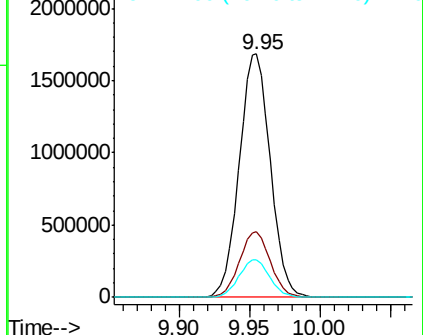
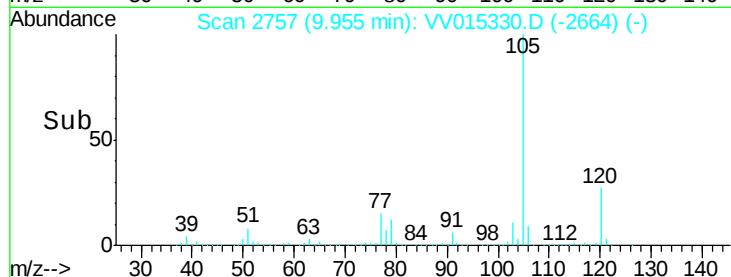
77 15.4 12.4 18.6



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



#58

1,1,2,2-Tetrachloroethane

Concen: 96.944 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

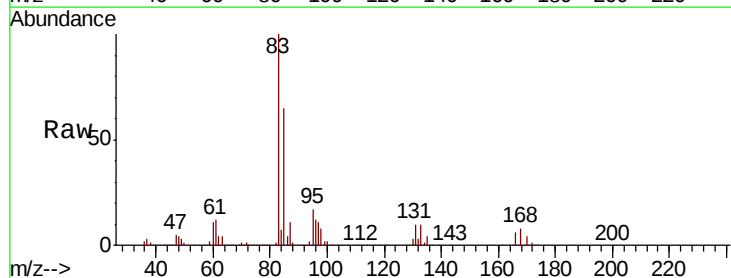
Tgt Ion: 83 Resp: 835347

Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.4

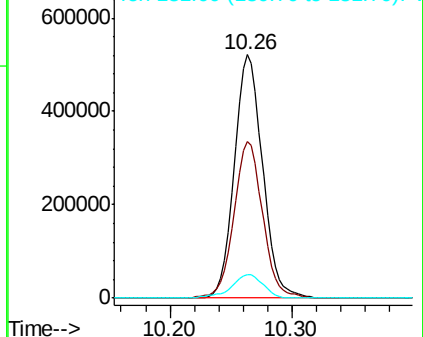
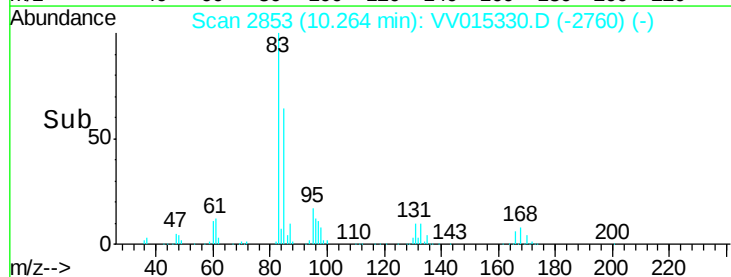
131 9.7 8.0 12.0

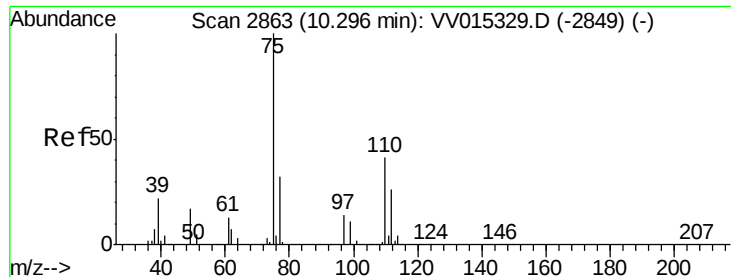


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 96.918 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :

MSVOA_V

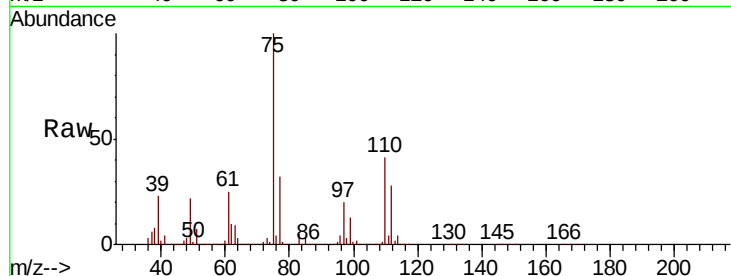
ClientSampleId :

Tot Ion: 75 Resp: 666074

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015330.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV015330.D (-2241) (-)

10.30

400000

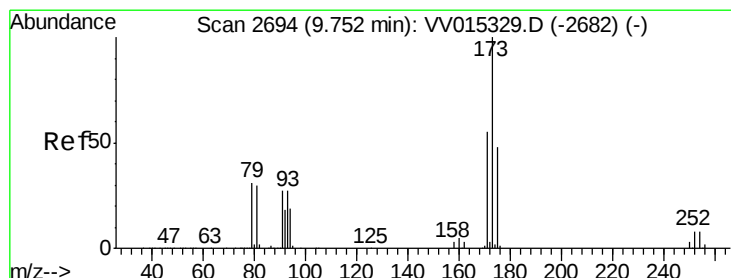
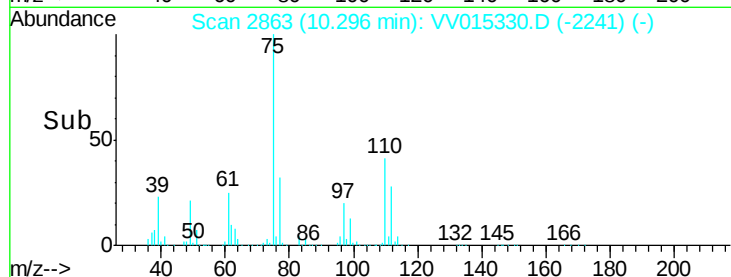
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 104.663 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

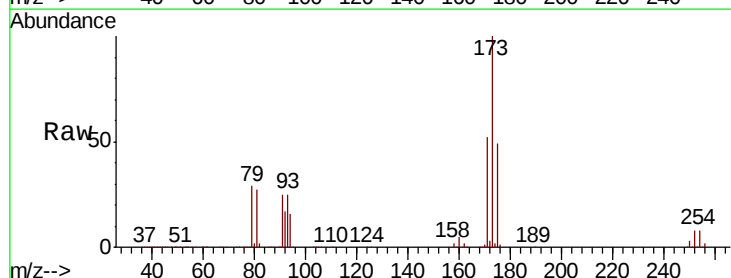
Tgt Ion: 173 Resp: 407394

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 7.7 5.9 8.9



Abundance Ion 173.00 (172.70 to 173.70): VV015330.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV015330.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV015330.D (-2601) (-)

9.75

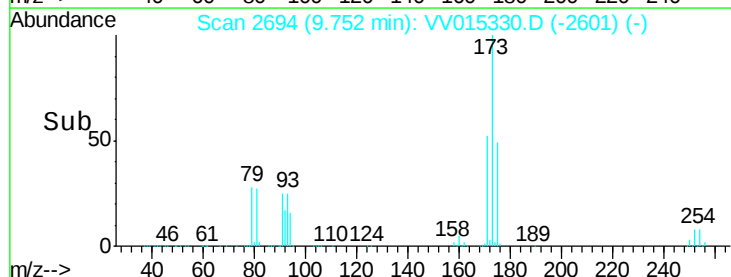
300000

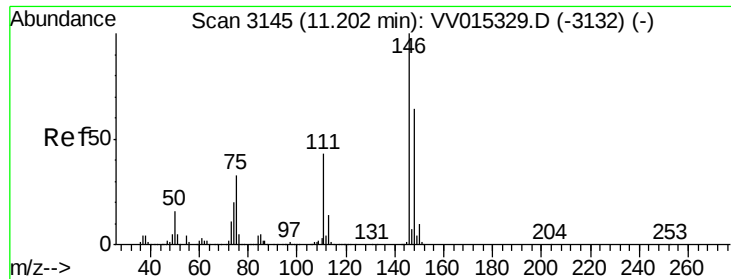
200000

100000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 98.474 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

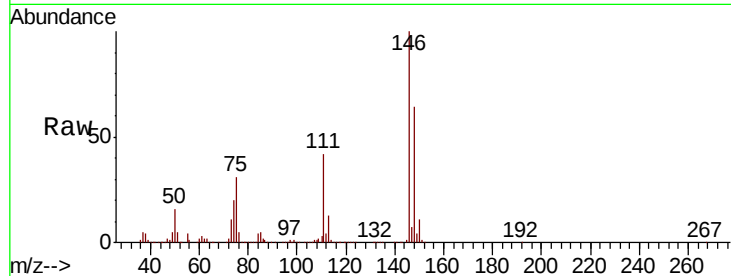
Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146 Resp: 1155232

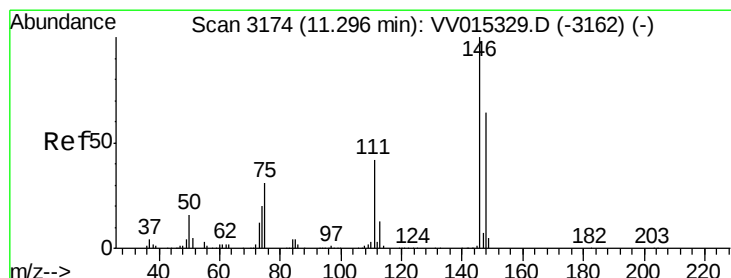
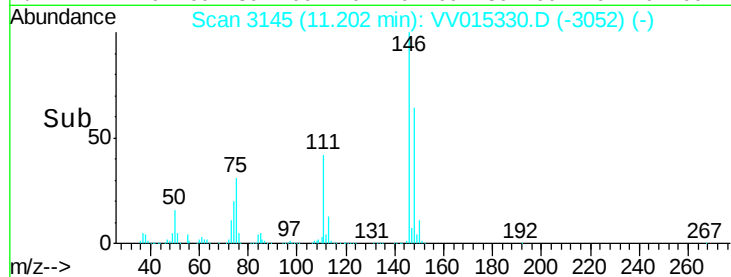
Ion	Ratio	Lower	Upper
146	100		
111	42.4	30.2	56.2
148	64.3	44.7	83.1



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: 97.178 ug/L

RT: 11.30 min Scan# 3174

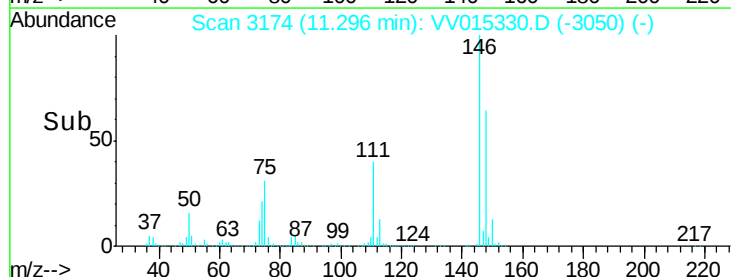
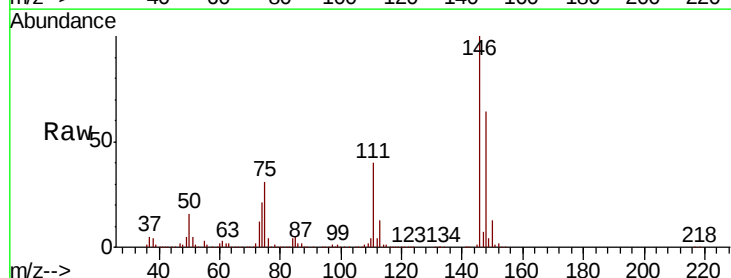
Delta R.T. 0.00 min

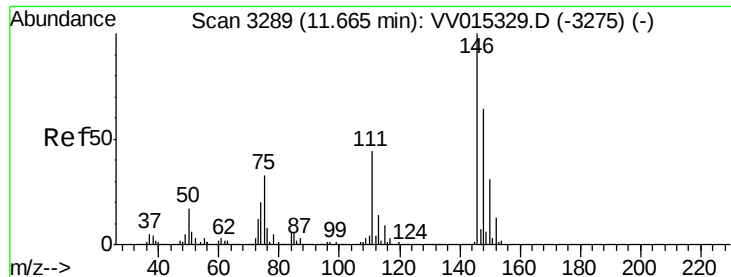
Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Tgt Ion:146 Resp: 1156223

Ion	Ratio	Lower	Upper
146	100		
111	40.4	29.3	54.5
148	63.9	44.7	82.9

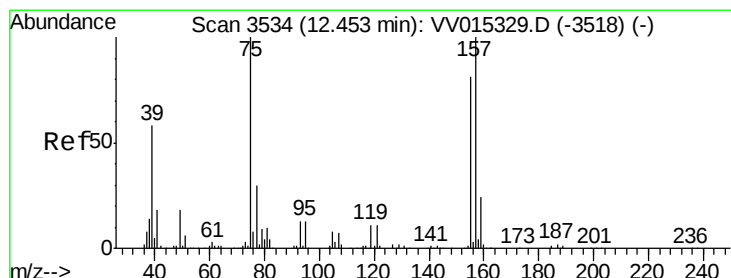
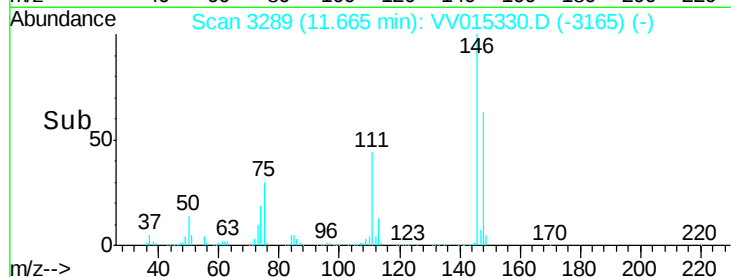
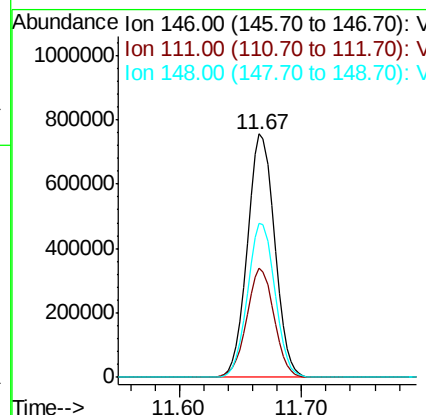
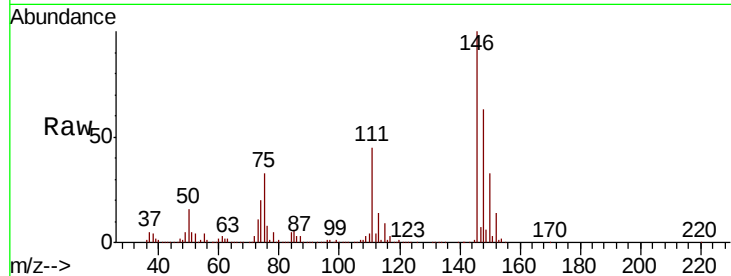




#65
 1,2-Dichlorobenzene
 Concen: 96.643 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015330.D
 Acq: 01 Apr 2020 11:58

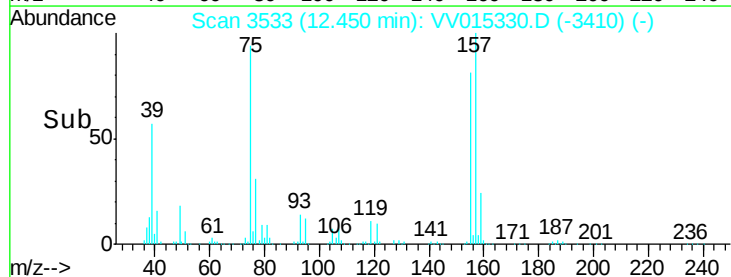
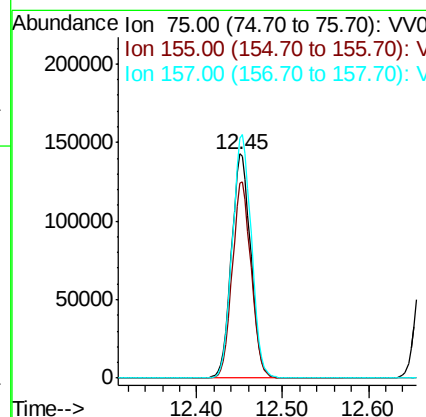
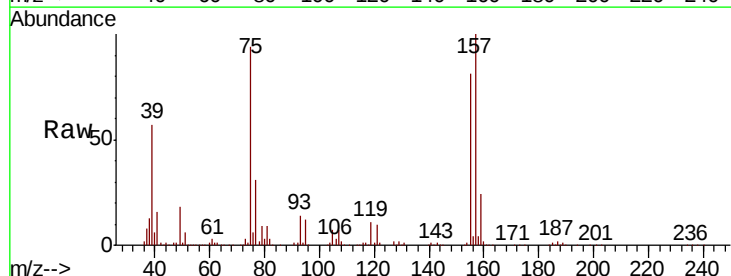
Instrument :
 MSVOA_V
 ClientSampleId :

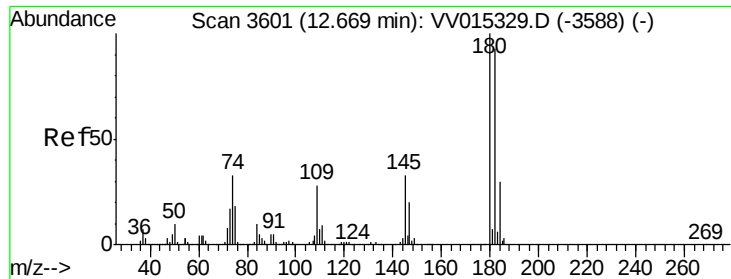
Tot Ion:146 Resp: 1156378
 Ion Ratio Lower Upper
 146 100
 111 44.7 35.1 52.7
 148 63.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 94.483 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV015330.D
 Acq: 01 Apr 2020 11:58

Tgt Ion: 75 Resp: 223235
 Ion Ratio Lower Upper
 75 100
 155 86.8 64.5 96.7
 157 106.7 79.8 119.6

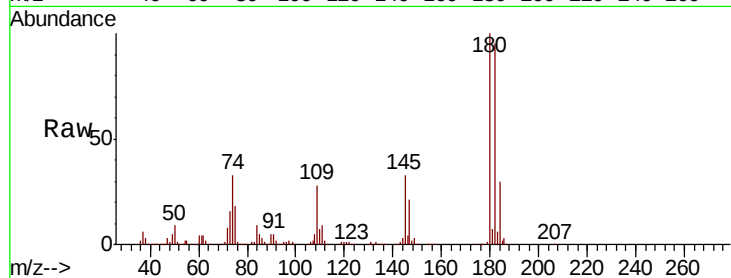




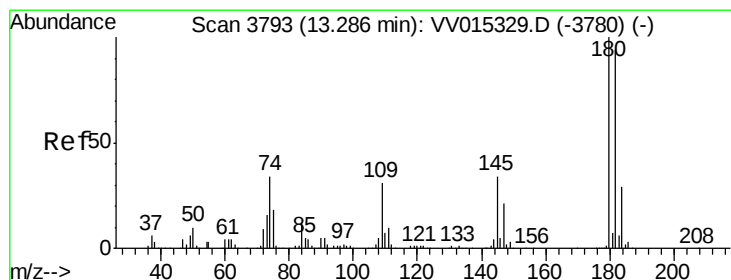
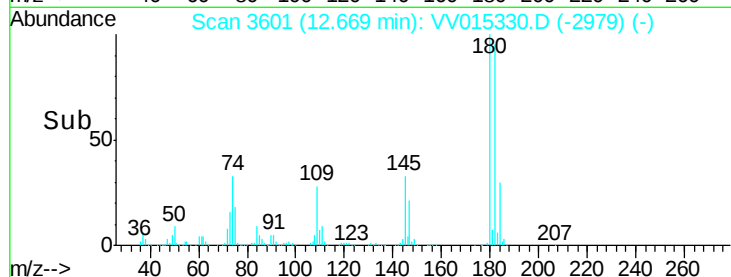
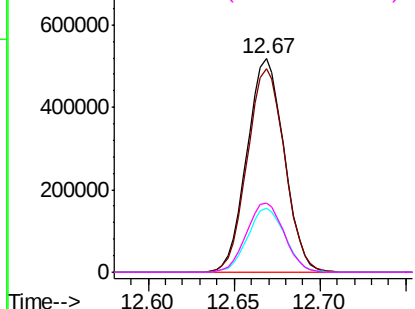
#67
 1,3,5-Trichlorobenzene
 Concen: 100.164 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015330.D
 Acq: 01 Apr 2020 11:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	778750
Ion	Ratio	Lower Upper
180	100	
182	95.9	74.7 112.1
184	30.1	23.7 35.5
145	32.9	26.8 40.2

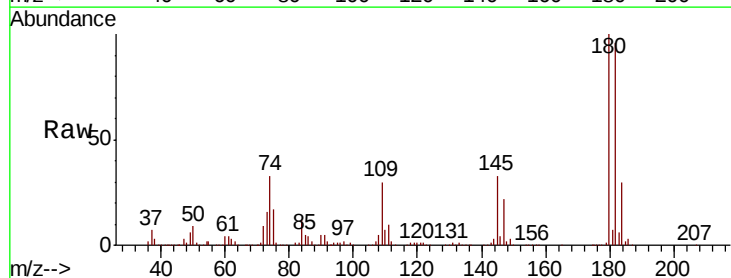


Abundance Ion 180.00 (179.70 to 180.70): V
 800000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

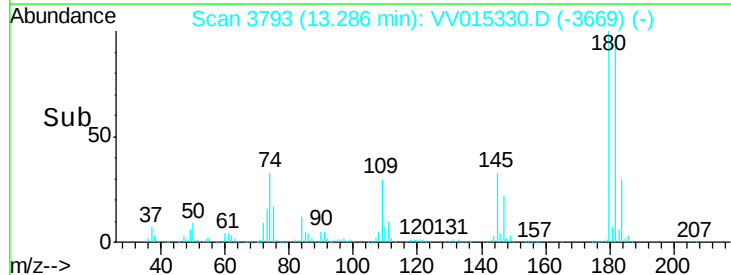
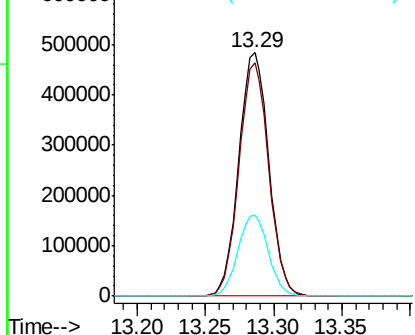


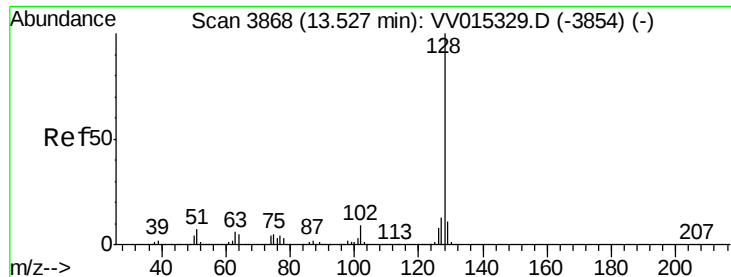
#68
 1,2,4-trichlorobenzene
 Concen: 104.102 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015330.D
 Acq: 01 Apr 2020 11:58

Tgt Ion:180	Resp:	739303
Ion	Ratio	Lower Upper
180	100	
182	94.9	75.8 113.8
145	33.3	27.7 41.5



Abundance Ion 180.00 (179.70 to 180.70): V
 600000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 102.572 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

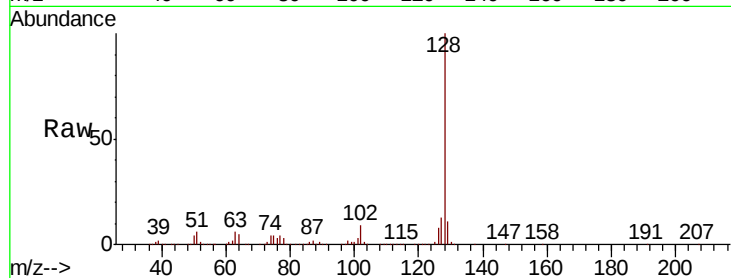
Tot Ion:128 Resp: 2784859

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

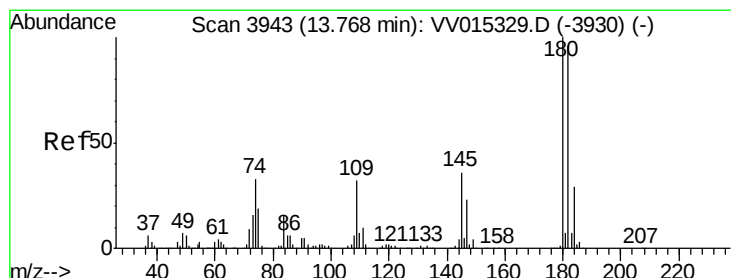
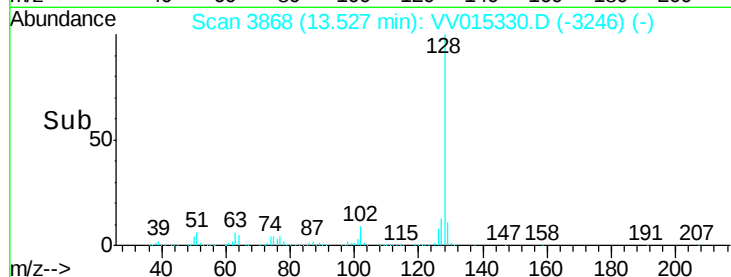
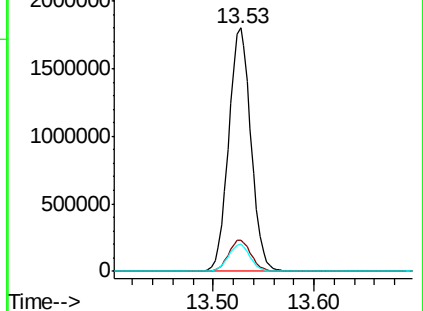
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 102.654 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015330.D

Acq: 01 Apr 2020 11:58

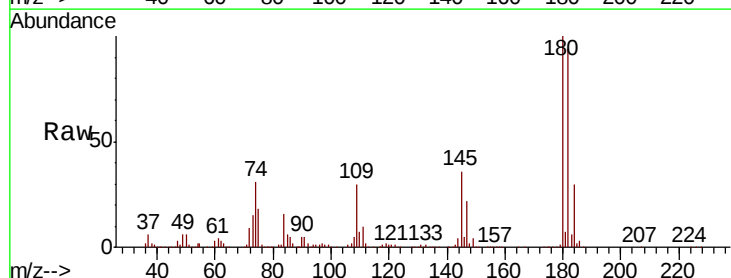
Tgt Ion:180 Resp: 750947

Ion Ratio Lower Upper

180 100

182 94.3 76.1 114.1

145 35.8 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

