

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091620\
 Data File : VV018228.D
 Acq On : 16 Sep 2020 11:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 04:36:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 16 05:45:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	301288	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	293679	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	164935	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86451	35.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.42%
7) Chloroethane-d5	1.58	69	81328	40.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.96%
11) 1,1-Dichloroethene-d2	2.12	63	188794	41.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.84%
21) 2-Butanone-d5	3.90	46	154064	102.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.51%
24) Chloroform-d	4.37	84	201647	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
26) 1,2-Dichloroethane-d4	5.05	65	126541	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.68%
32) Benzene-d6	5.07	84	378253	44.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.98%
36) 1,2-Dichloropropane-d6	6.09	67	124158	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.96%
41) Toluene-d8	7.33	98	342928	44.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.52%
43) trans-1,3-Dichloropropene-	7.64	79	63895	47.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.14%
47) 2-Hexanone-d5	8.10	63	118873	117.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.48%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	179510	53.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	154188	45.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	106558	48.503	ug/L 99
3) Chloromethane	1.25	50	116530	48.575	ug/L 100
5) Vinyl chloride	1.32	62	119386	48.530	ug/L 100
6) Bromomethane	1.53	94	72816	48.428	ug/L 100
8) Chloroethane	1.59	64	73650	47.793	ug/L 99
9) Trichlorofluoromethane	1.76	101	169352	50.035	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	102766	50.547	ug/L 99
12) 1,1-Dichloroethene	2.13	96	97421	49.246	ug/L 94
13) Acetone	2.18	43	109824	91.258	ug/L 97
14) Carbon disulfide	2.31	76	292130	48.260	ug/L 100
15) Methyl Acetate	2.44	43	103766	47.979	ug/L 99
16) Methylene chloride	2.52	84	107325	48.375	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	99434	48.772	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	305507	48.443	ug/L 100
19) 1,1-Dichloroethane	3.21	63	184637	47.900	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	106950	49.074	ug/L 97
22) 2-Butanone	3.98	43	144234	101.213	ug/L 99

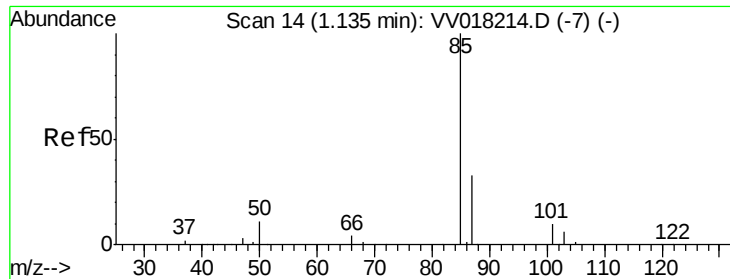
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	56089	49.190	uq/L	98
25) Chloroform	4.40	83	187002	47.726	uq/L	99
27) 1,2-Dichloroethane	5.15	62	146909	48.432	uq/L	99
29) Cyclohexane	4.70	56	173148	51.058	uq/L	100
30) 1,1,1-Trichloroethane	4.63	97	167683	49.199	uq/L	99
31) Carbon tetrachloride	4.85	117	147348	49.167	uq/L	98
33) Benzene	5.12	78	414097	49.317	uq/L	100
34) Trichloroethene	5.94	95	107860	47.155	uq/L	99
35) Methylcyclohexane	6.15	83	177877	51.649	uq/L	99
37) 1,2-Dichloropropane	6.20	63	109829	49.361	uq/L	100
38) Bromodichloromethane	6.53	83	141623	48.912	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	171344	49.980	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	274275	101.610	uq/L	100
42) Toluene	7.41	91	445817	50.171	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	167980	50.325	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	101357	49.147	uq/L	98
46) Tetrachloroethene	7.99	164	89799	50.071	uq/L	99
48) 2-Hexanone	8.16	43	224938	105.700	uq/L	98
49) Dibromochloromethane	8.27	129	115439	49.868	uq/L	100
50) 1,2-Dibromoethane	8.37	107	107909	49.717	uq/L	100
51) Chlorobenzene	8.90	112	286124	49.581	uq/L	99
52) Ethylbenzene	9.03	91	495502	51.076	uq/L	99
53) m,p-Xylene	9.16	106	188453	52.044	uq/L	97
54) o-xylene	9.56	106	179963	51.588	uq/L	100
55) Styrene	9.58	104	321894	53.088	uq/L	99
56) Isopropylbenzene	9.95	105	487562	51.859	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	163635	53.640	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	130263	49.776	uq/L	100
61) Bromoform	9.75	173	86742	48.955	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	242901	49.526	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	248477	49.290	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	239414	48.295	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	36223	51.781	uq/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	193268	49.986	uq/L	100
68) 1,2,4-trichlorobenzene	13.28	180	179221	52.053	uq/L	99
69) Naphthalene	13.52	128	498955	57.272	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	178865	52.744	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.503 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

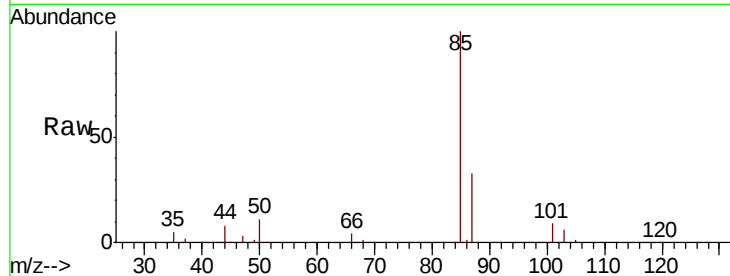
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 106558

Ion Ratio Lower Upper

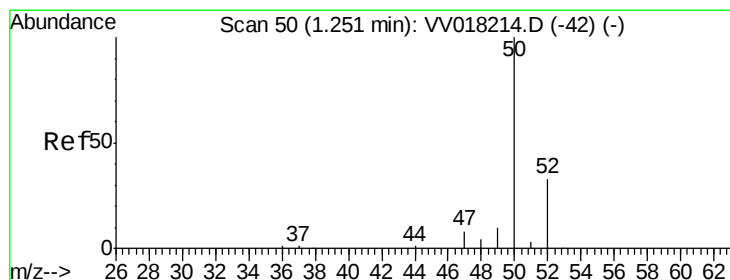
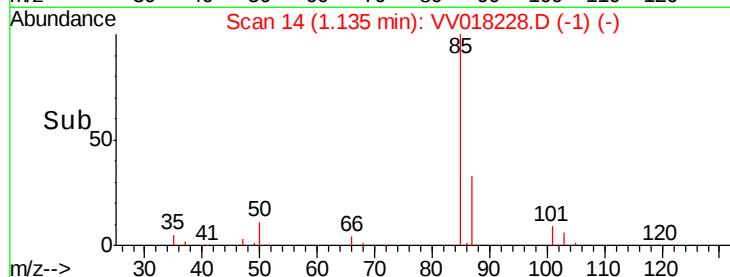
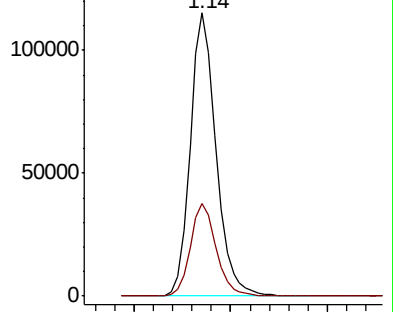
85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018214.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018214.D (-7) (-)



#3

Chloromethane

Concen: 48.575 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018228.D

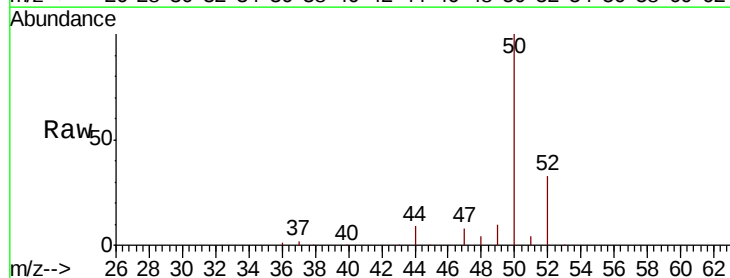
Acq: 16 Sep 2020 11:15

Tgt Ion: 50 Resp: 116530

Ion Ratio Lower Upper

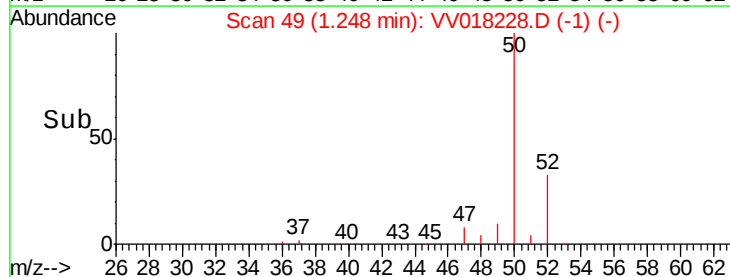
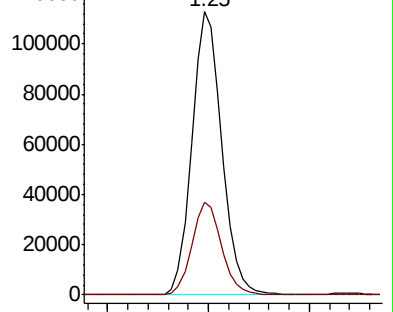
50 100

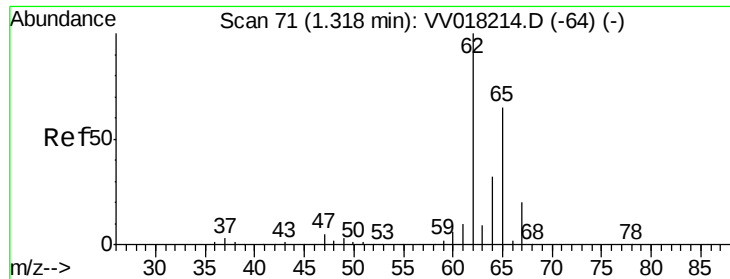
52 32.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018214.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018214.D (-42) (-)





#5

Vinyl chloride

Concen: 48.530 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :

MSVOA_V

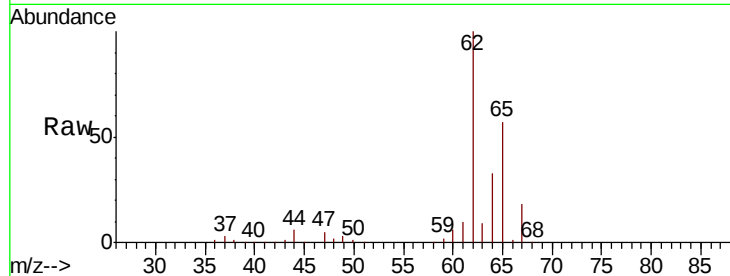
ClientSampled :

Tot Ion: 62 Resp: 119386

Ion Ratio Lower Upper

62 100

64 32.8 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

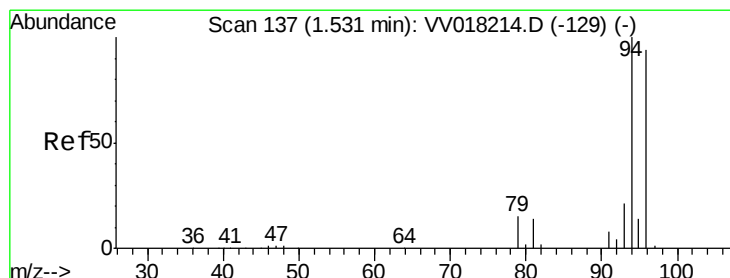
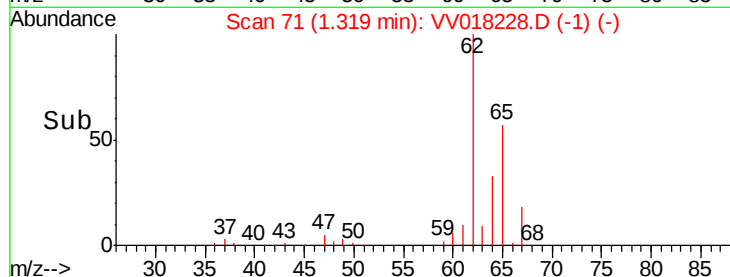
1.32

100000

50000

0

Time-->



#6

Bromomethane

Concen: 48.428 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018228.D

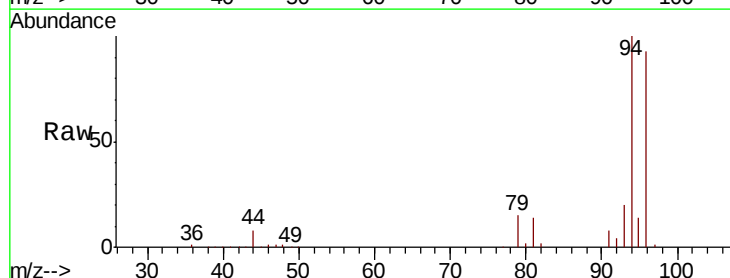
Acq: 16 Sep 2020 11:15

Tgt Ion: 94 Resp: 72816

Ion Ratio Lower Upper

94 100

96 93.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

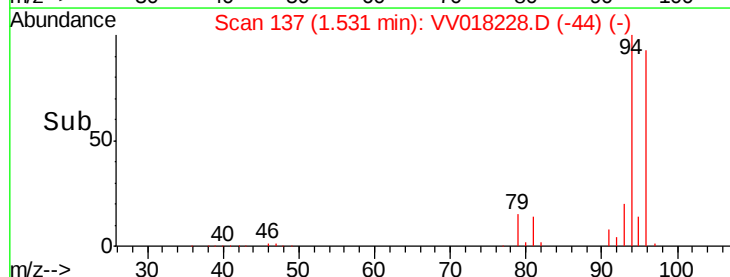
60000

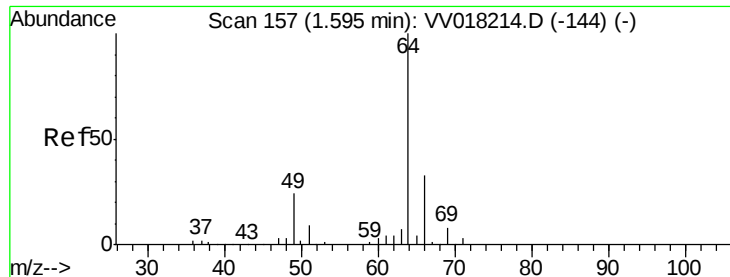
40000

20000

0

Time-->





#8

Chloroethane

Concen: 47.793 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

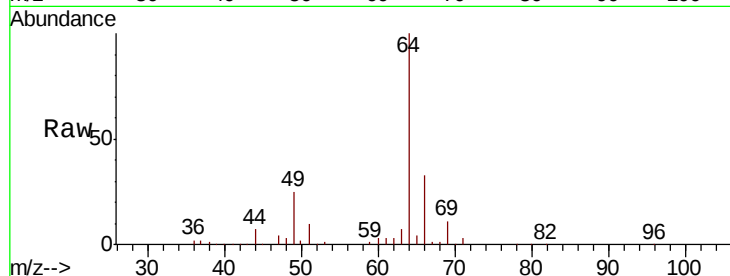
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 73650

Ion Ratio Lower Upper

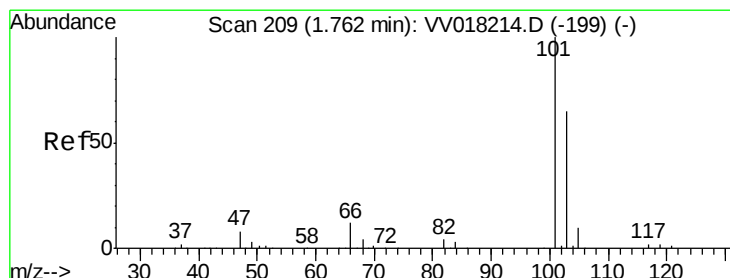
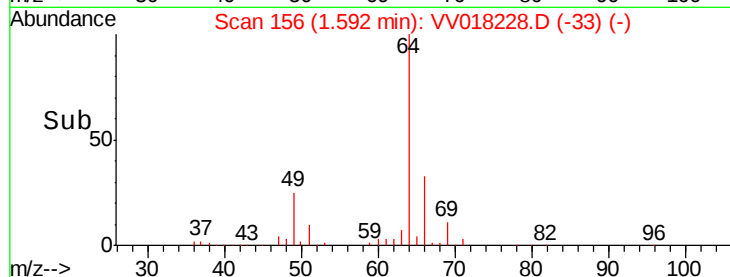
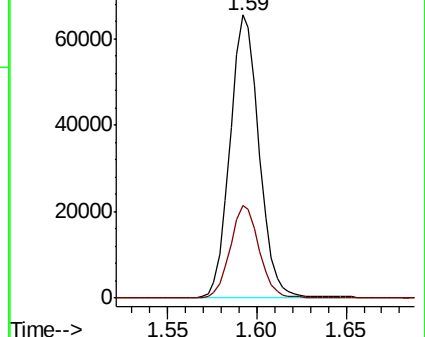
64 100

66 32.7 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018214.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV018214.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 50.035 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV018228.D

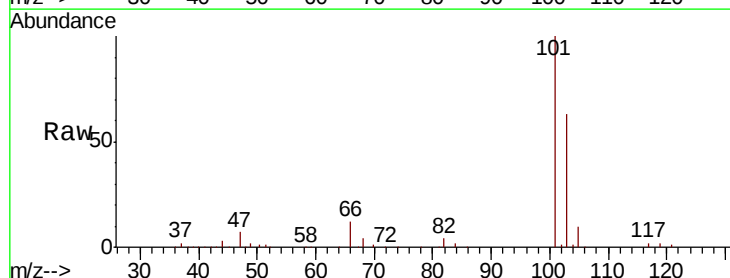
Acq: 16 Sep 2020 11:15

Tgt Ion:101 Resp: 169352

Ion Ratio Lower Upper

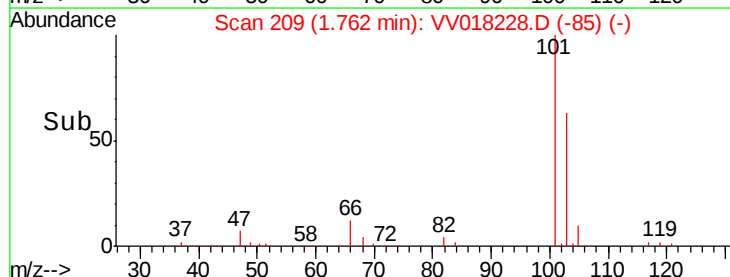
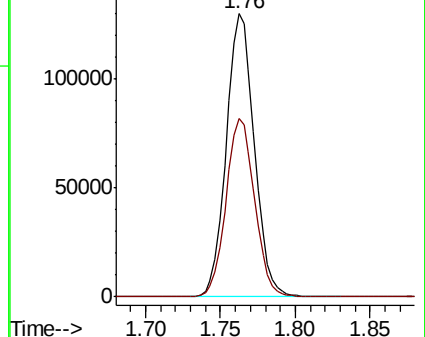
101 100

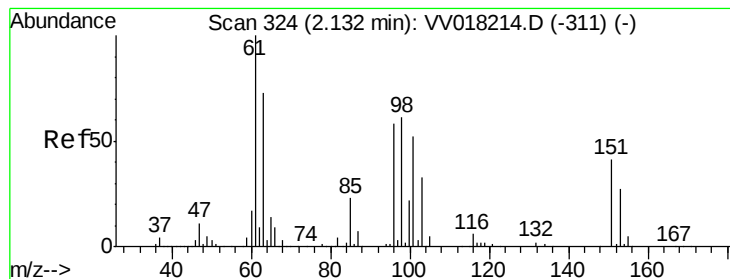
103 64.3 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018214.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018214.D (-199) (-)





#10

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

Concen: 50.547 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :

MSVOA_V

ClientSampled :

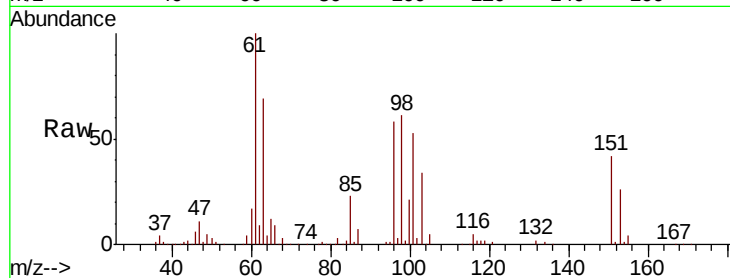
Tot Ion:101 Resp: 102766

Ion Ratio Lower Upper

101 100

85 43.0 33.5 50.3

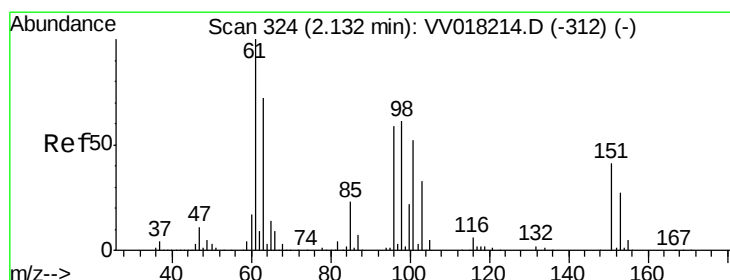
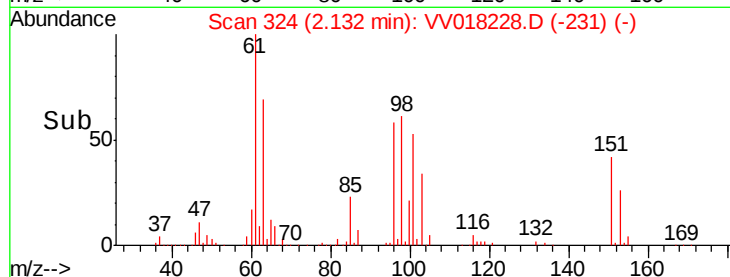
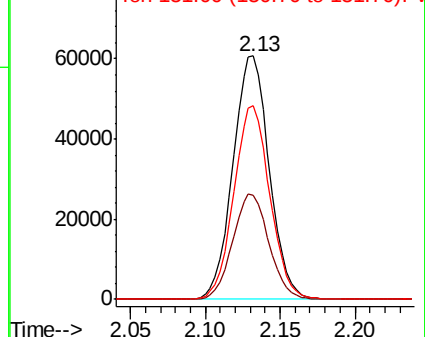
151 78.9 62.2 93.2



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: 49.246 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

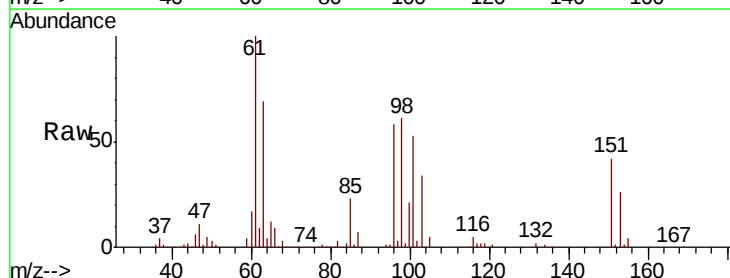
Tgt Ion: 96 Resp: 97421

Ion Ratio Lower Upper

96 100

61 171.8 122.9 228.3

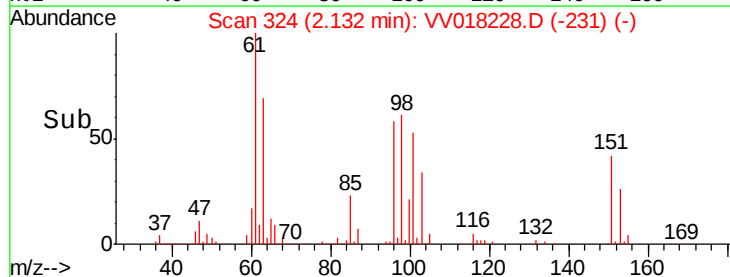
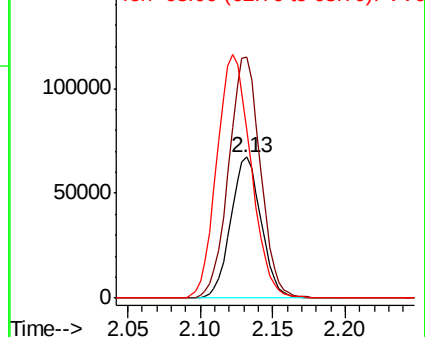
63 119.4 91.9 170.7

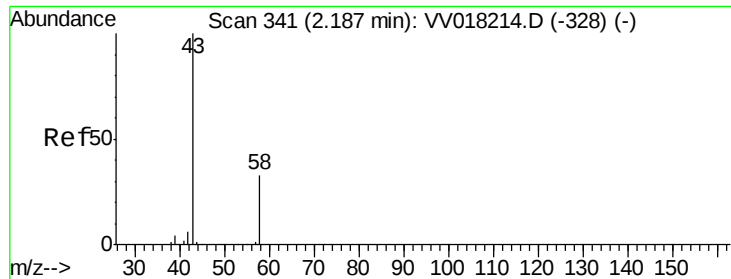


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 91.258 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

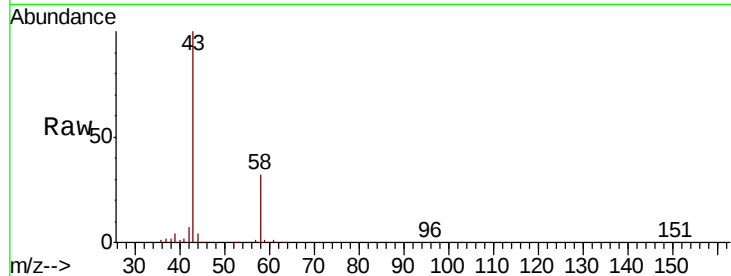
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 109824

Ion Ratio Lower Upper

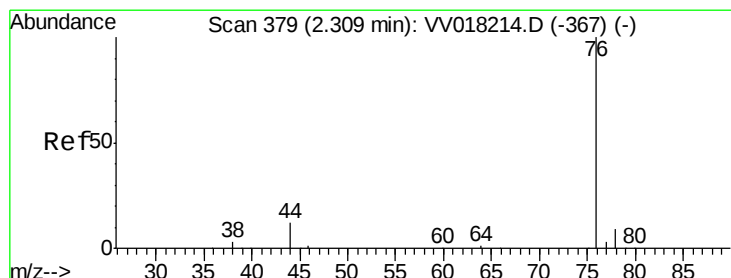
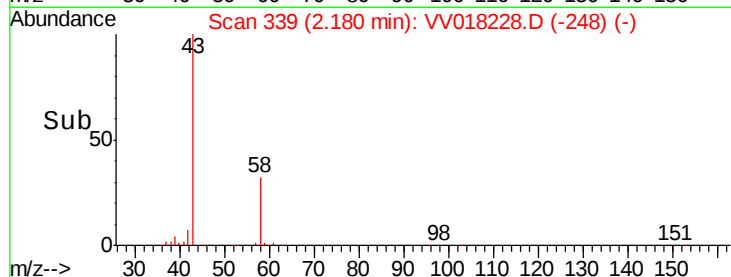
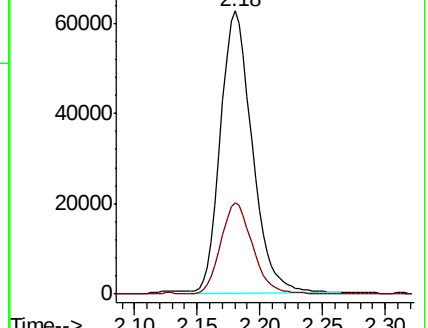
43 100

58 32.1 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018214.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV018214.D (-328) (-)



#14

Carbon disulfide

Concen: 48.260 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018228.D

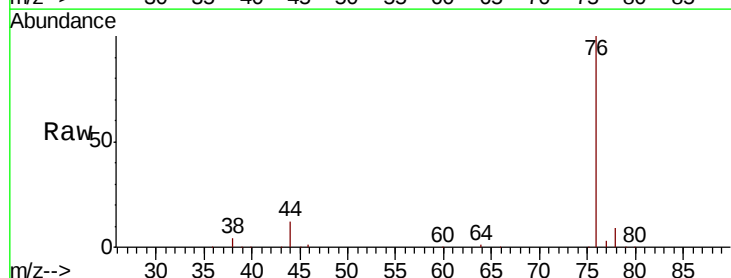
Acq: 16 Sep 2020 11:15

Tgt Ion: 76 Resp: 292130

Ion Ratio Lower Upper

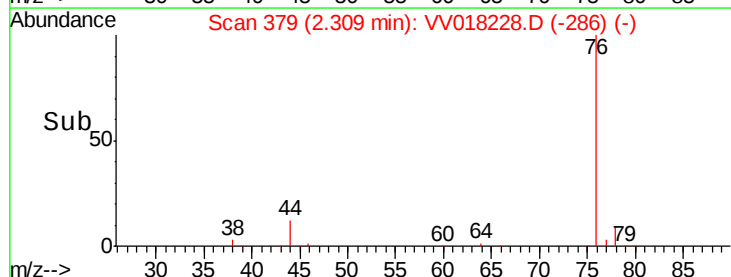
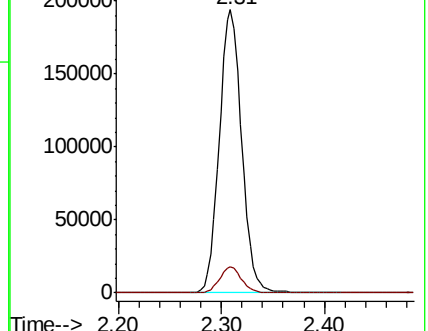
76 100

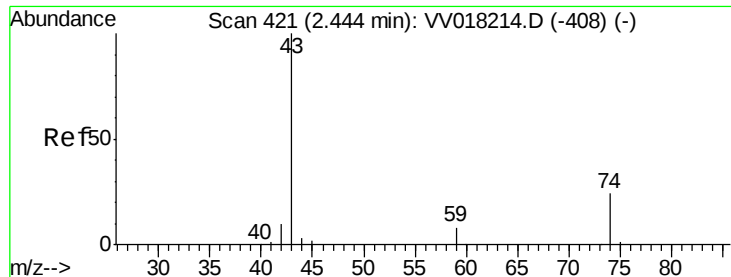
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018214.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018214.D (-367) (-)

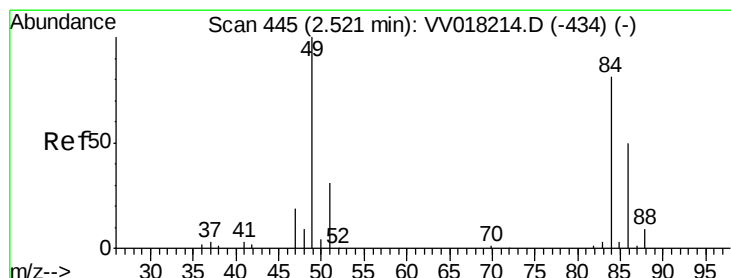
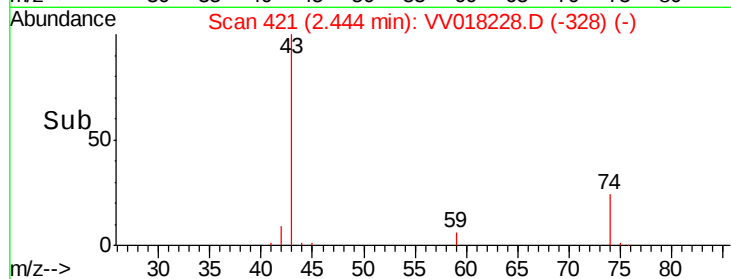
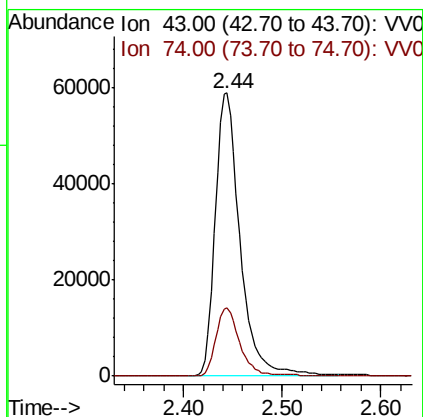
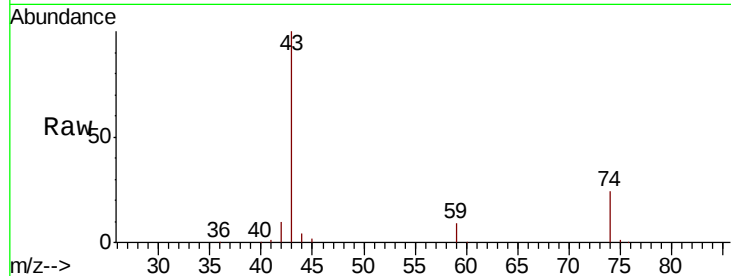




#15
Methyl Acetate
Concen: 47.979 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

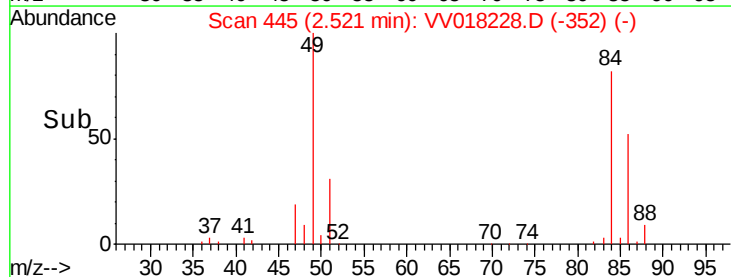
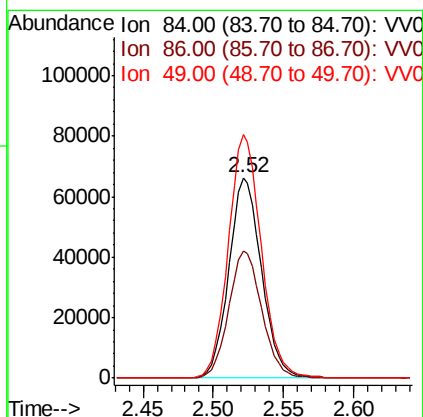
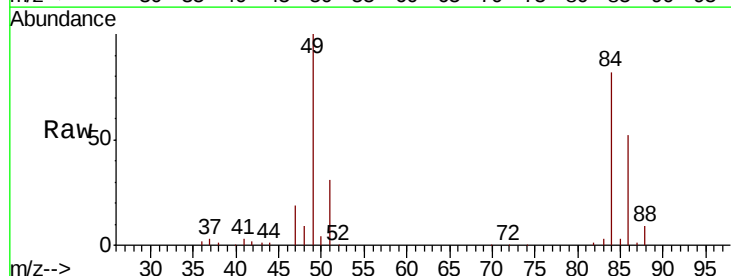
Instrument :
MSVOA_V
ClientSampleId :

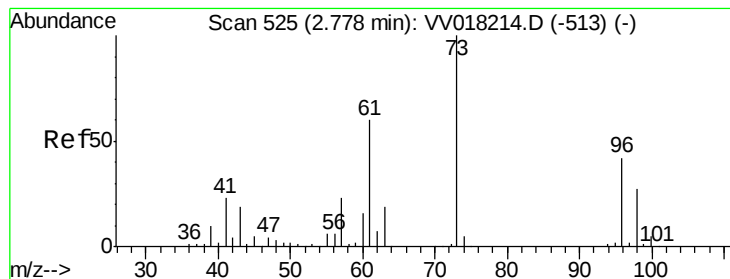
Tot Ion: 43 Resp: 103766
Ion Ratio Lower Upper
43 100
74 23.7 18.4 27.6



#16
Methylene chloride
Concen: 48.375 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Tgt Ion: 84 Resp: 107325
Ion Ratio Lower Upper
84 100
86 63.5 44.4 82.4
49 121.7 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 48.772 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :
MSVOA_V
ClientSampled :

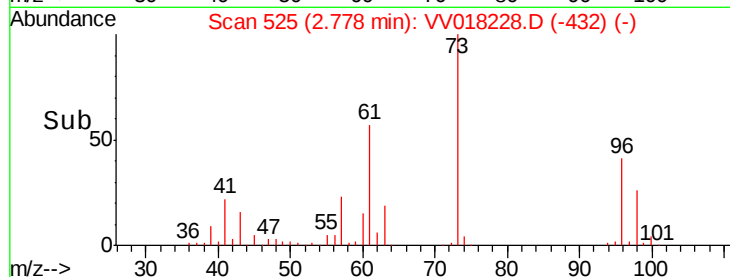
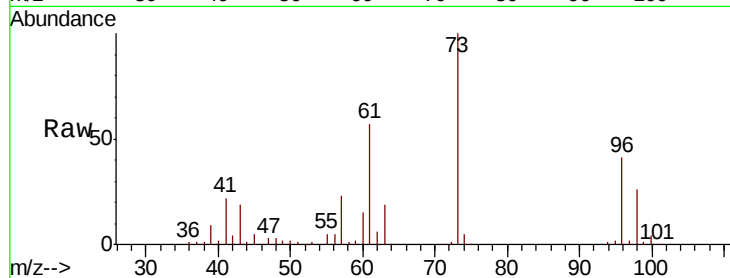
Tot Ion: 96 Resp: 99434

Ion Ratio Lower Upper

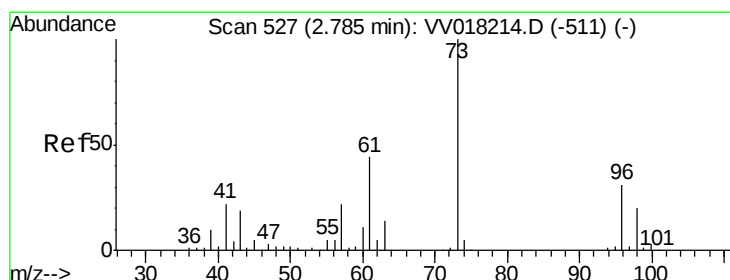
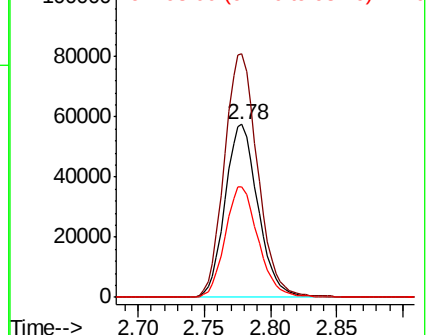
96 100

61 141.0 100.7 186.9

98 64.1 45.2 84.0



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: 48.443 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

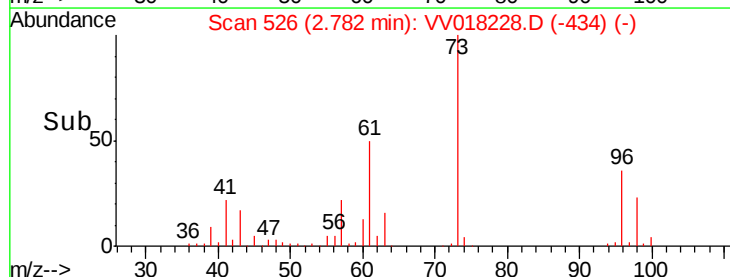
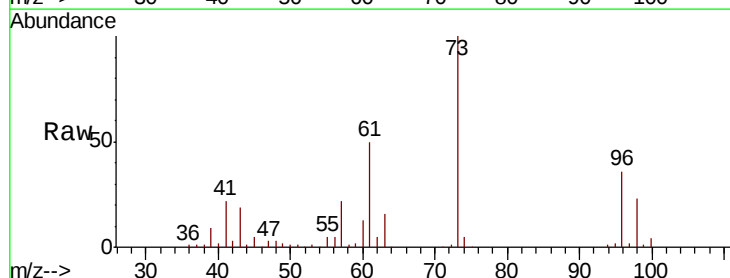
Tgt Ion: 73 Resp: 305507

Ion Ratio Lower Upper

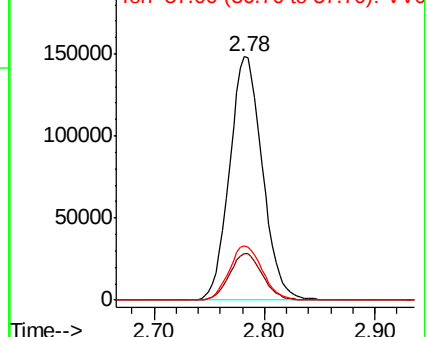
73 100

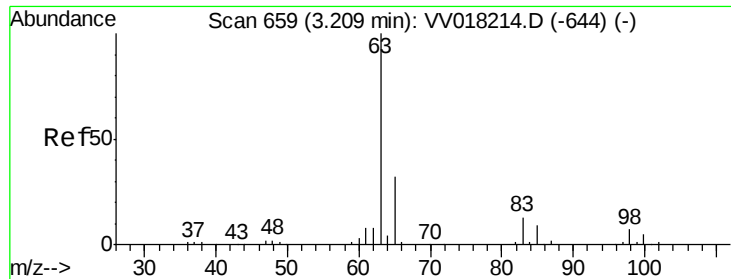
43 19.0 15.4 23.0

57 22.4 18.0 27.0



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

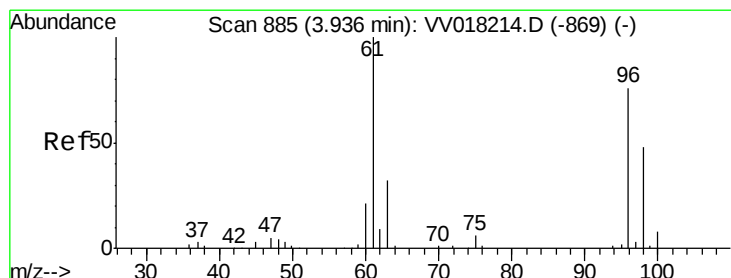
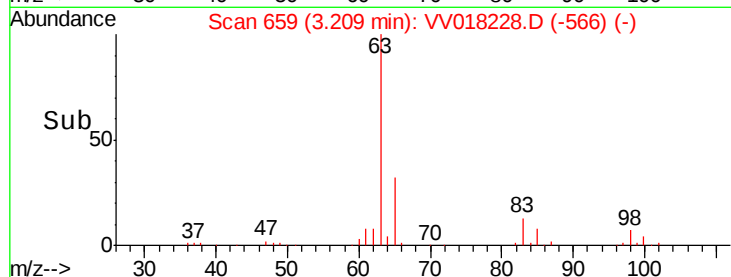
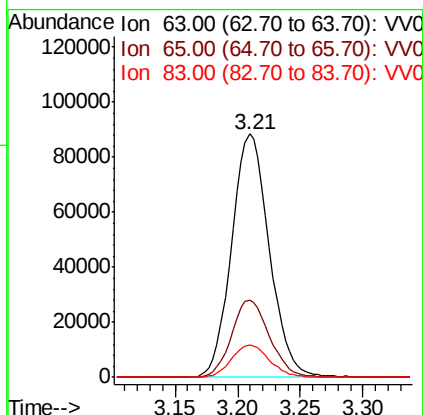
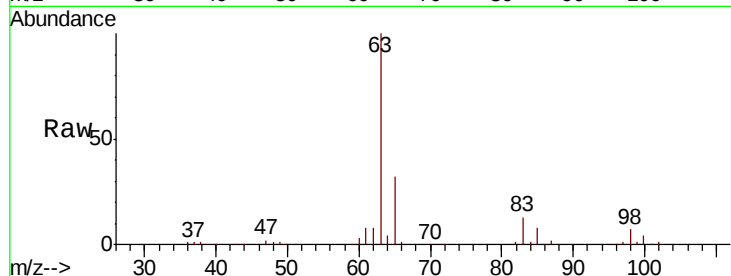




#19
 1,1-Dichloroethane
 Concen: 47.900 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018228.D
 Acq: 16 Sep 2020 11:15

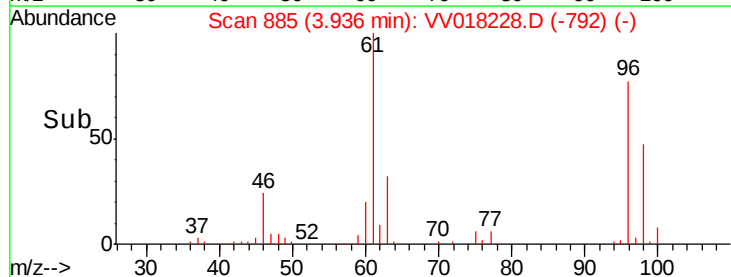
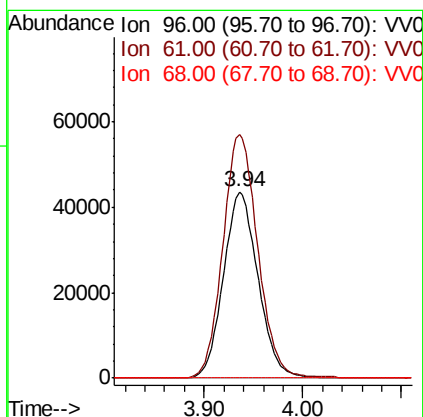
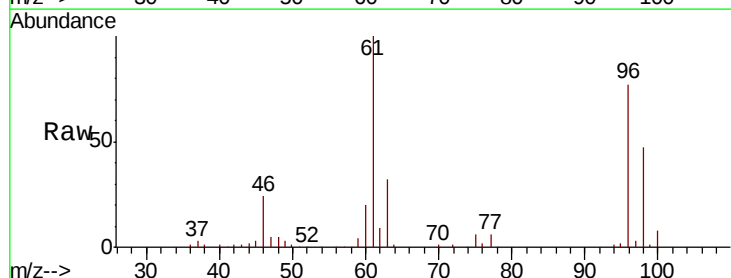
Instrument :
 MSVOA_V
 ClientSampled :

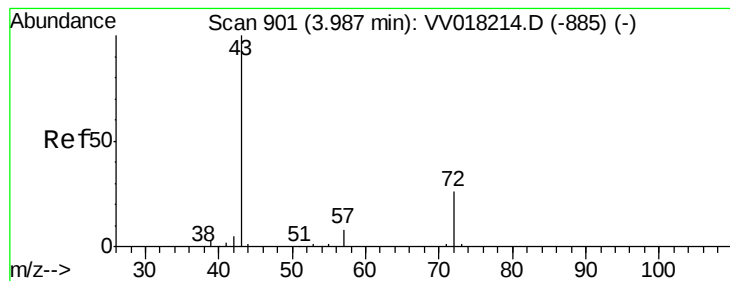
Tot Ion: 63 Resp: 184637
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.7
 83 13.2 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.074 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018228.D
 Acq: 16 Sep 2020 11:15

Tgt Ion: 96 Resp: 106950
 Ion Ratio Lower Upper
 96 100
 61 130.5 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 101.213 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :

MSVOA_V

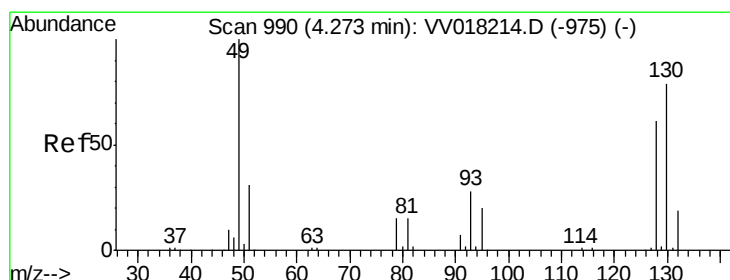
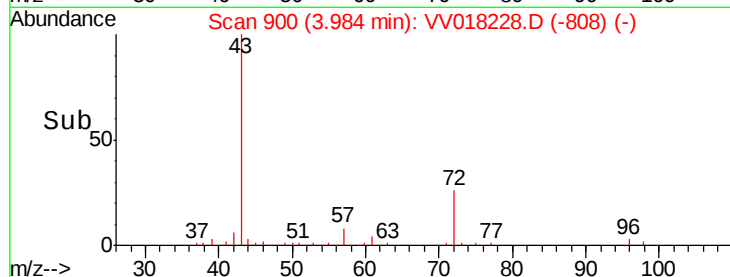
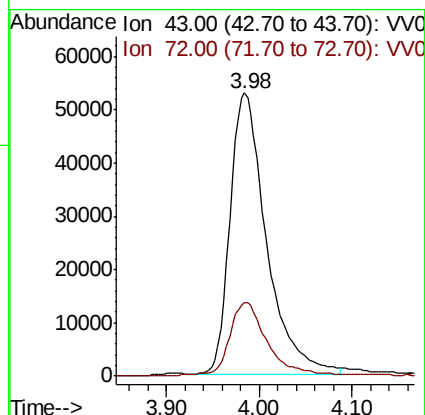
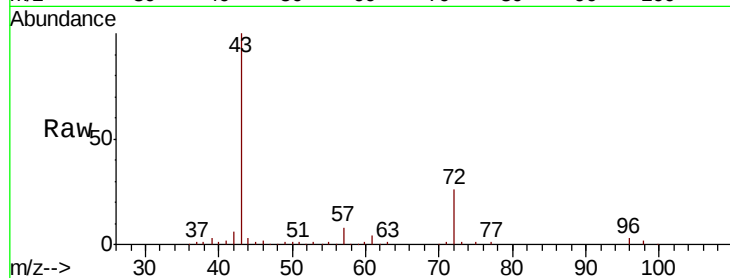
ClientSampled :

Tot Ion: 43 Resp: 144234

Ion Ratio Lower Upper

43 100

72 26.9 13.1 39.3



#23

Bromochloromethane

Concen: 49.190 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Tgt Ion:128 Resp: 56089

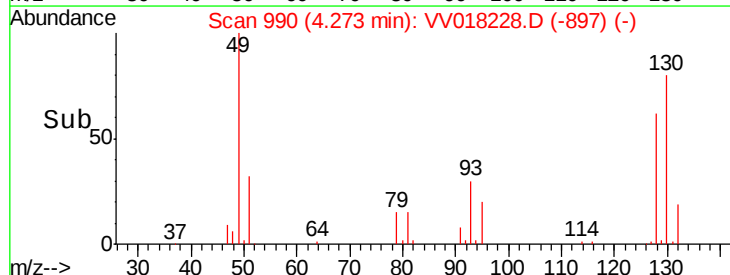
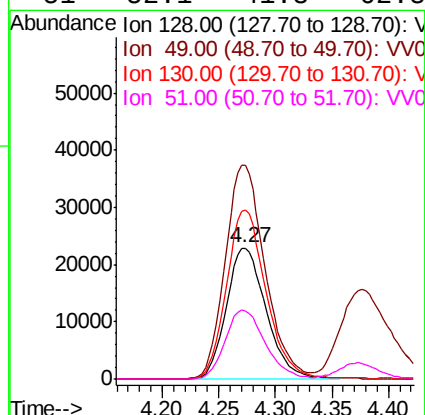
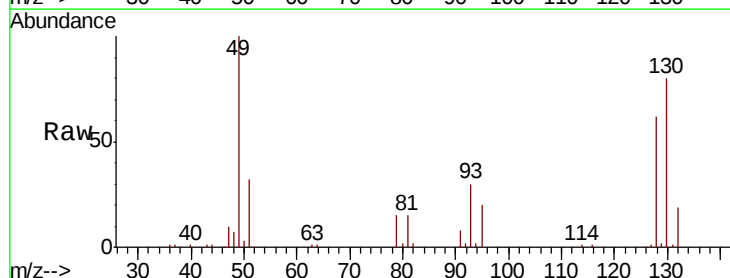
Ion Ratio Lower Upper

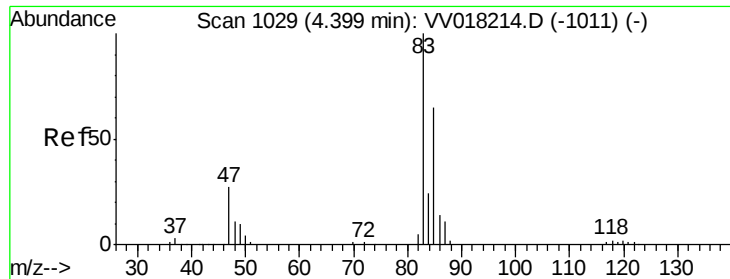
128 100

49 162.6 114.4 212.6

130 129.3 87.9 163.3

51 52.1 41.8 62.8

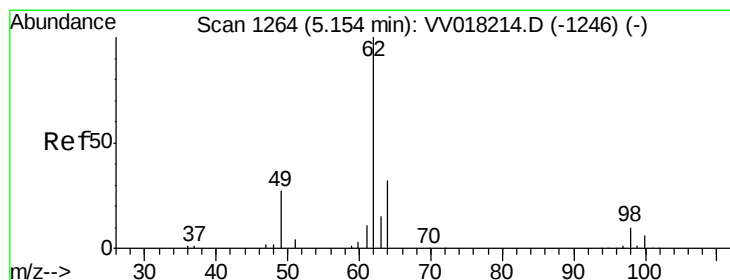
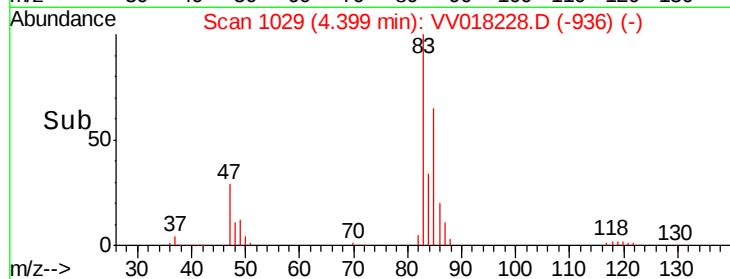
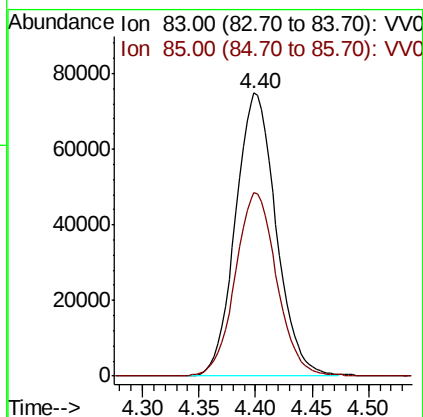
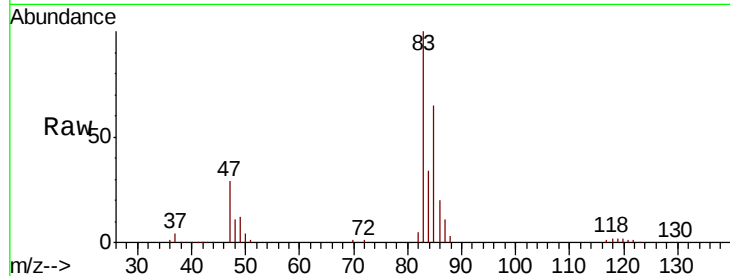




#25
Chloroform
Concen: 47.726 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

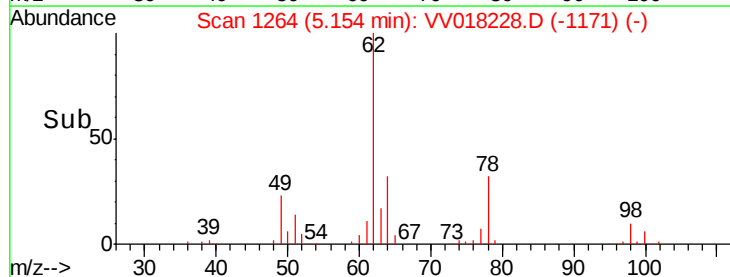
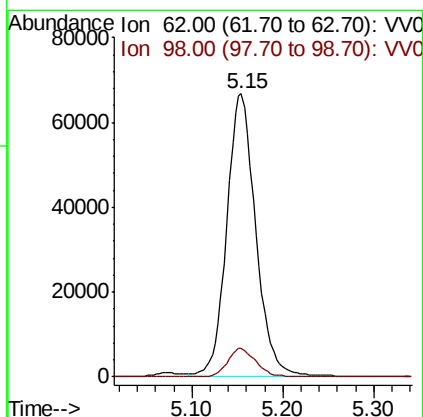
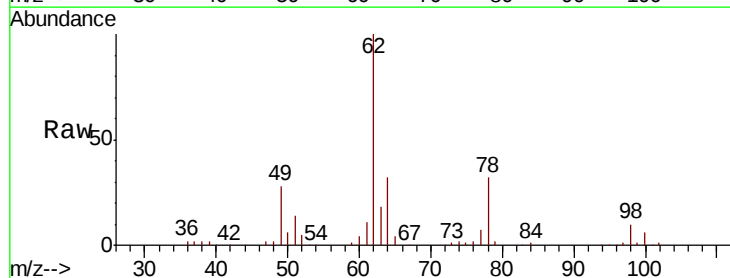
Instrument :
MSVOA_V
ClientSampleId :

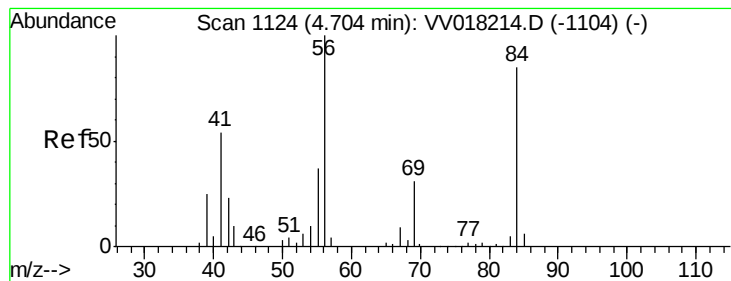
Tot Ion: 83 Resp: 187002
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.432 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Tgt Ion: 62 Resp: 146909
Ion Ratio Lower Upper
62 100
98 10.0 7.6 11.4





#29

Cvclohexane

Concen: 51.058 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :
MSVOA_V
ClientSampleId :

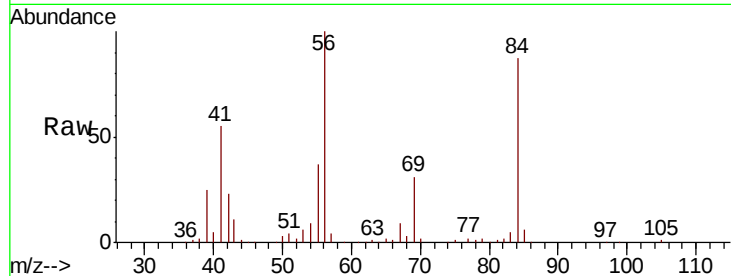
Tot Ion: 56 Resp: 173148

Ion Ratio Lower Upper

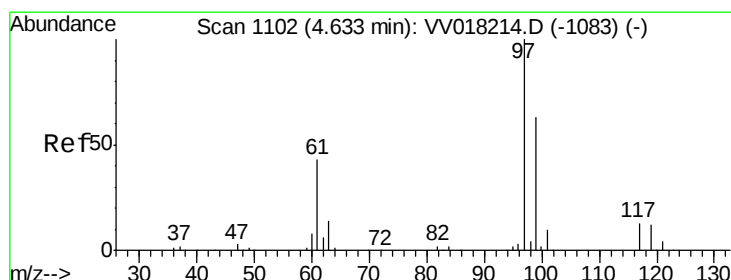
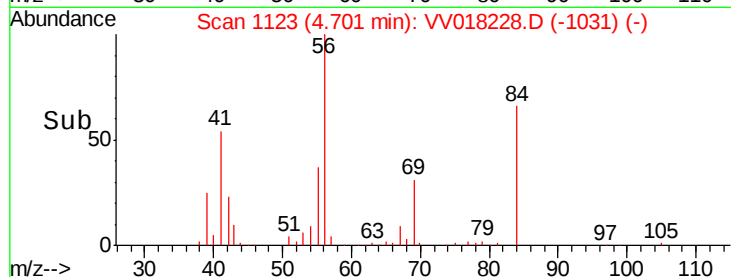
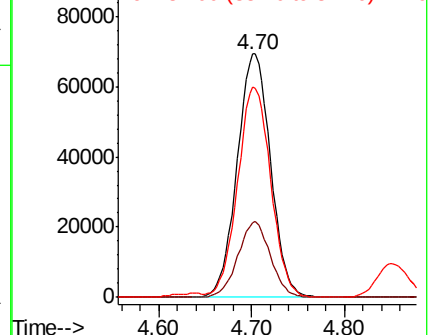
56 100

69 30.1 24.2 36.2

84 85.5 68.3 102.5



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: 49.199 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

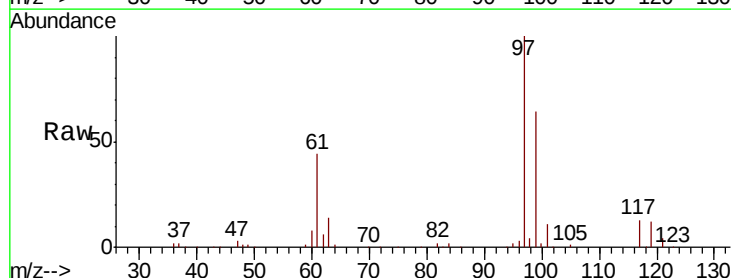
Tgt Ion: 97 Resp: 167683

Ion Ratio Lower Upper

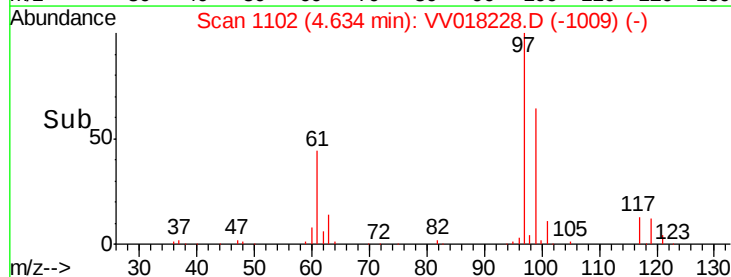
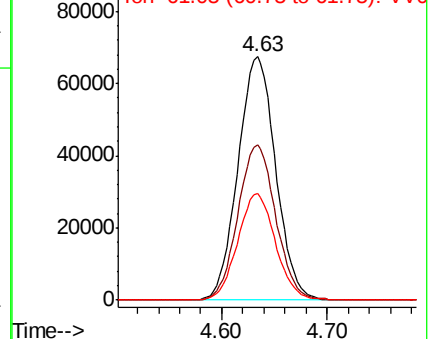
97 100

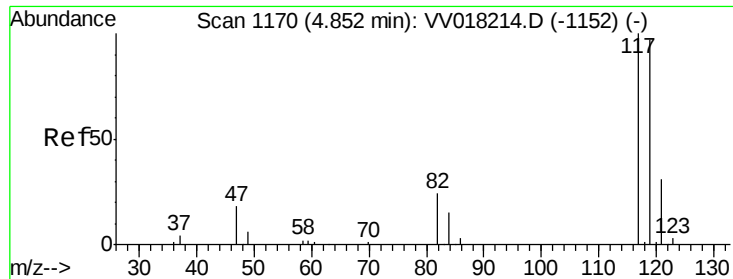
99 63.8 51.6 77.4

61 44.2 34.9 52.3



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



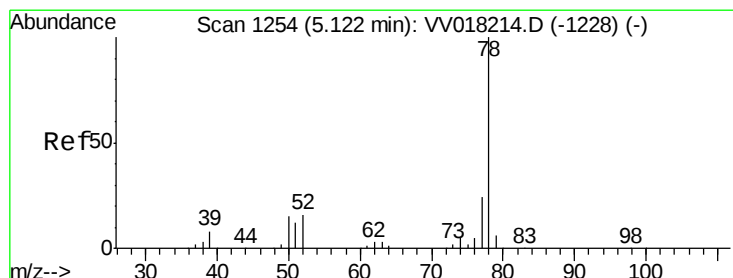
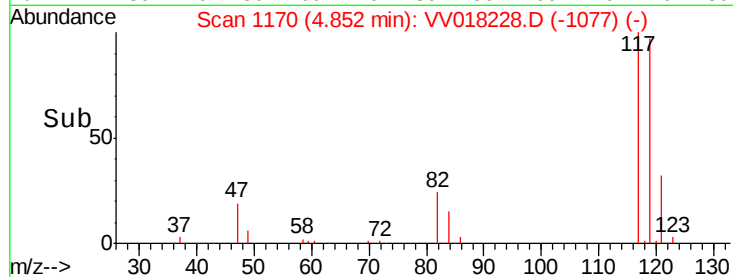
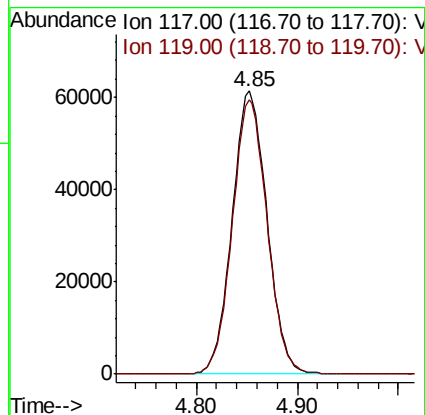
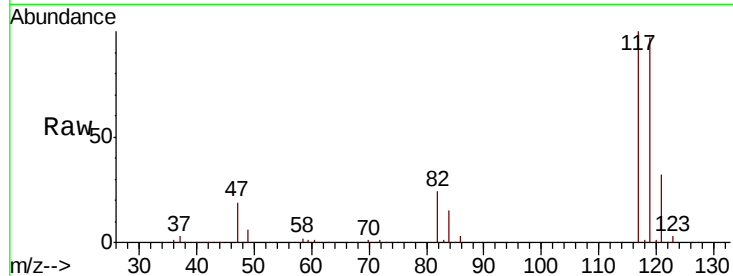


#31

Carbon tetrachloride
Concen: 49.167 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Instrument :
MSVOA_V
ClientSampleId :

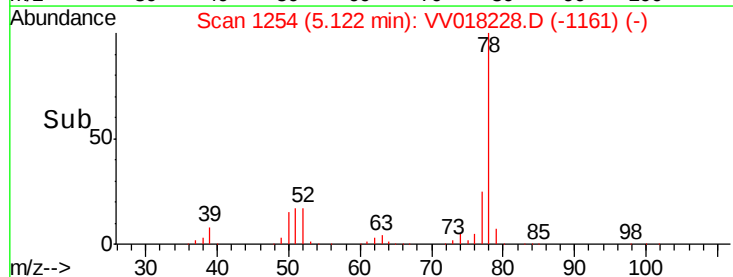
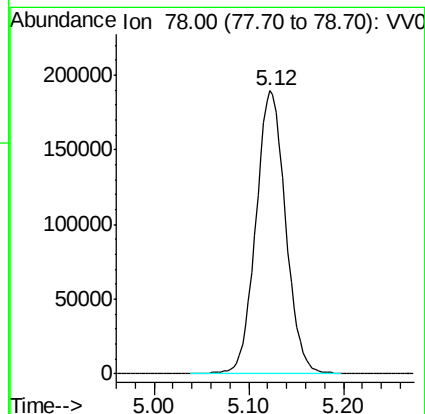
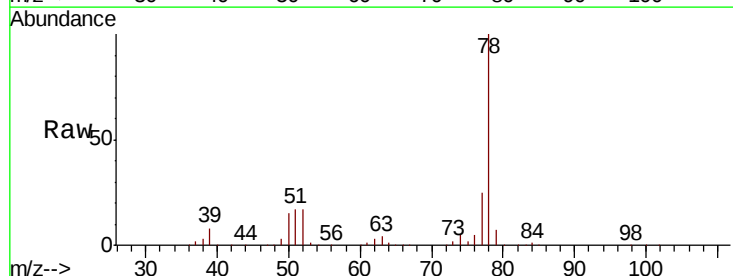
Tot Ion:117 Resp: 147348
Ion Ratio Lower Upper
117 100
119 96.7 75.7 113.5

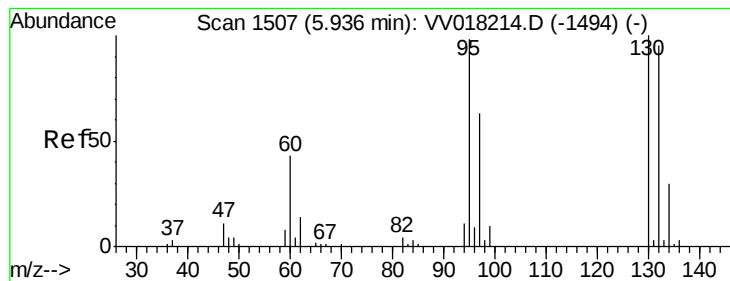


#33

Benzene
Concen: 49.317 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Tgt Ion: 78 Resp: 414097





#34

Trichloroethene

Concen: 47.155 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 107860

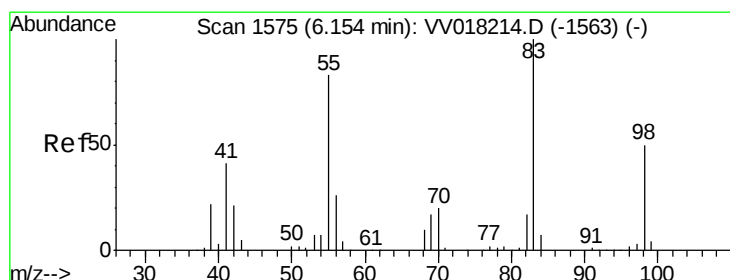
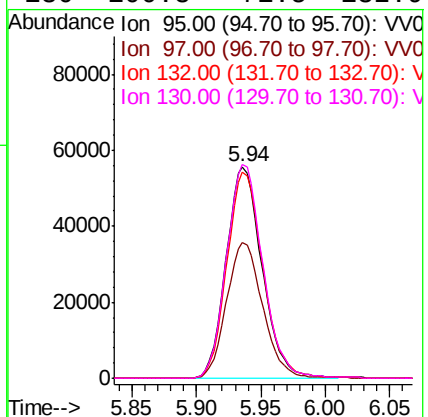
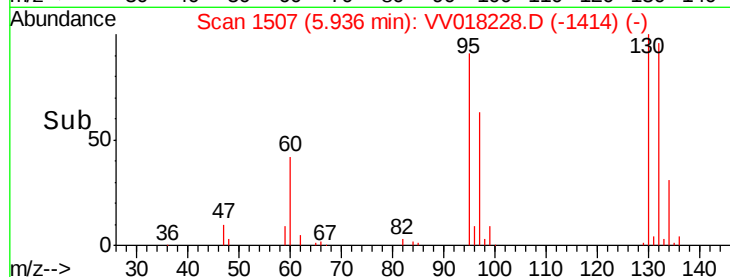
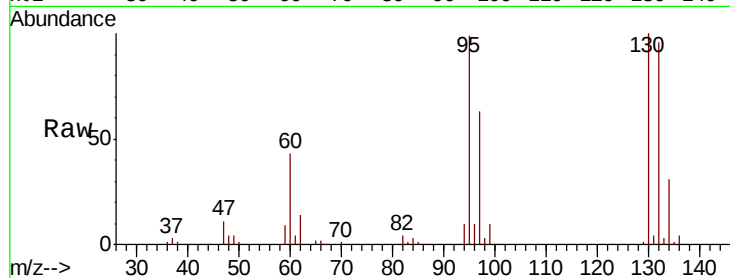
Ion Ratio Lower Upper

95 100

97 63.9 46.3 85.9

132 97.2 68.1 126.5

130 100.8 71.5 132.9



#35

Methylcyclohexane

Concen: 51.649 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

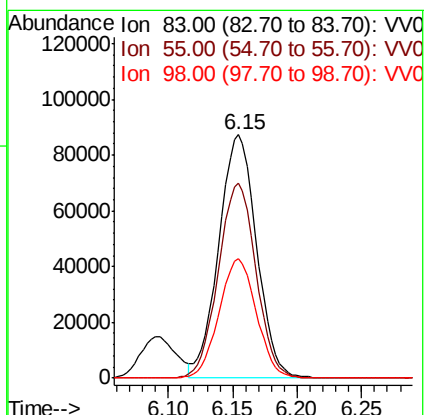
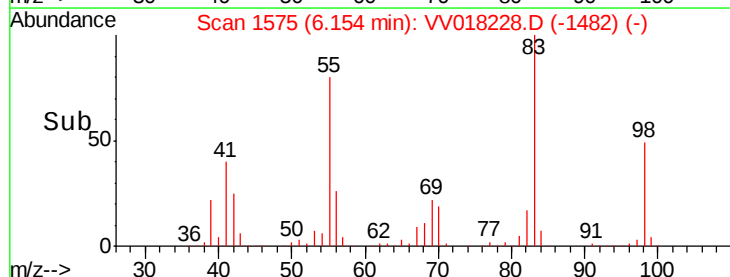
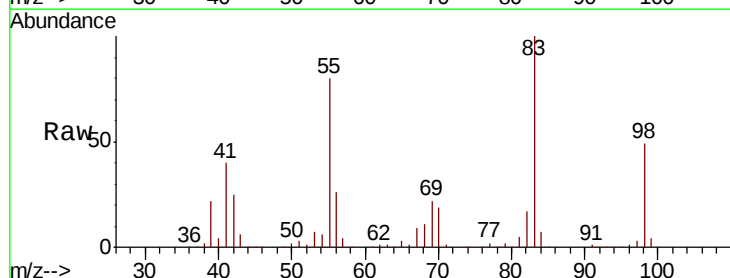
Tgt Ion: 83 Resp: 177877

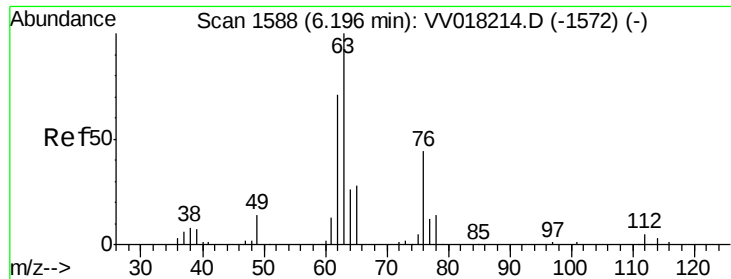
Ion Ratio Lower Upper

83 100

55 79.7 63.4 95.2

98 48.1 38.8 58.2

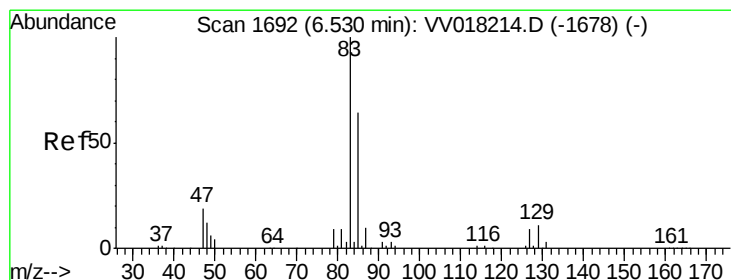
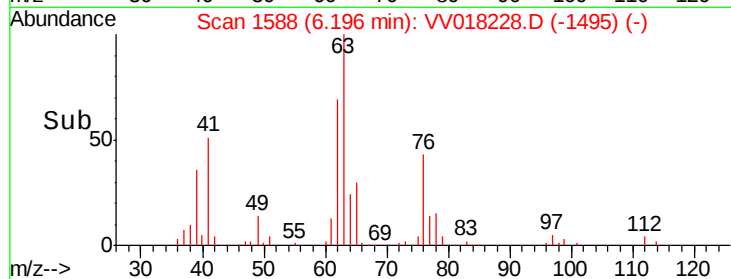
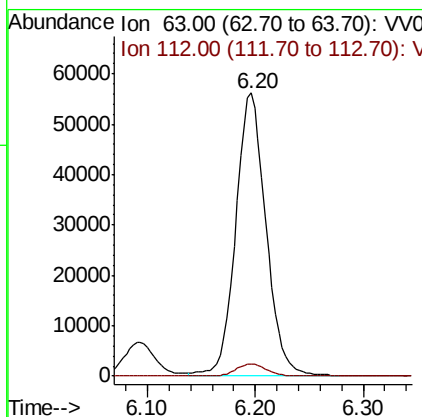
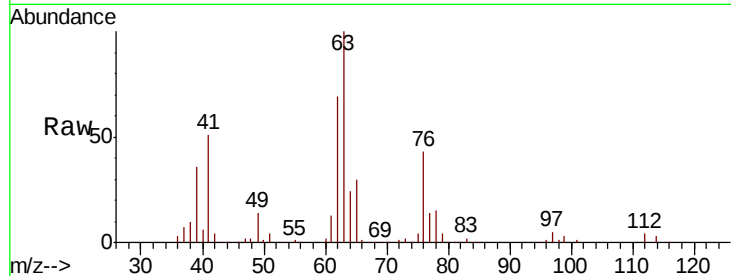




#37
 1,2-Dichloropropane
 Concen: 49.361 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018228.D
 Acq: 16 Sep 2020 11:15

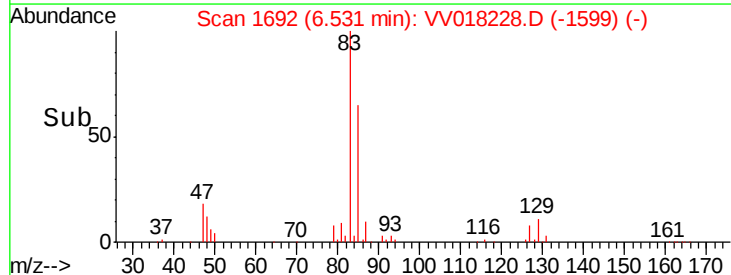
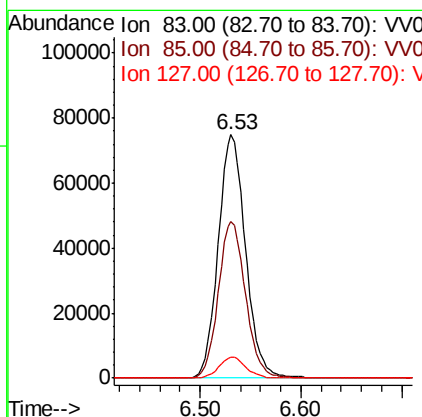
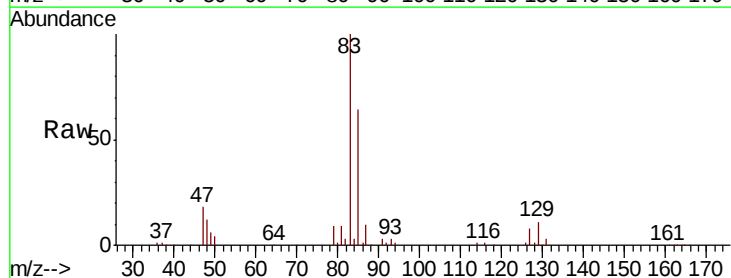
Instrument :
 MSVOA_V
 ClientSampleId :

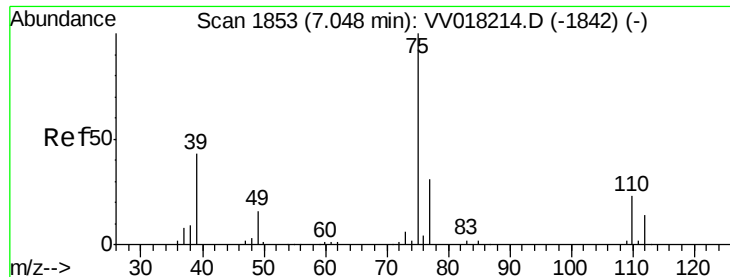
Tot Ion: 63 Resp: 109829
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 48.912 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018228.D
 Acq: 16 Sep 2020 11:15

Tgt Ion: 83 Resp: 141623
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.7 82.9
 127 8.4 6.7 10.1



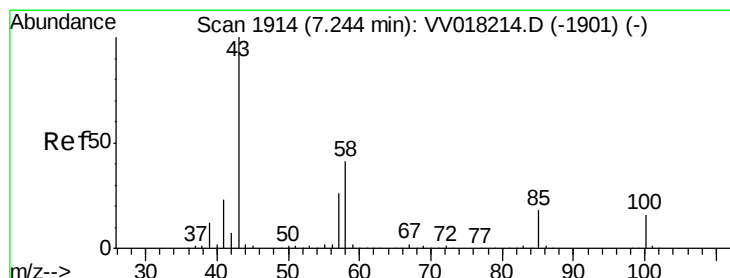
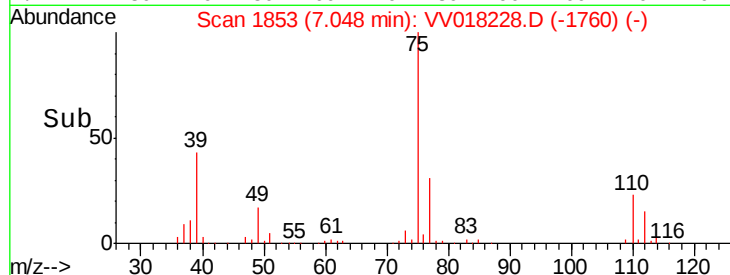
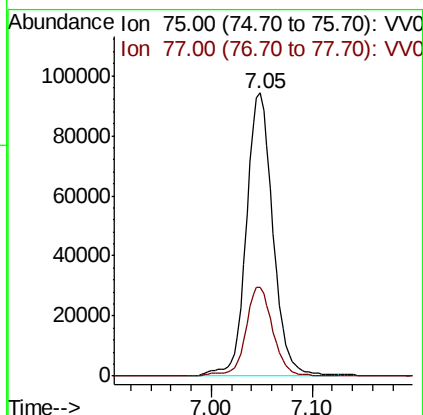
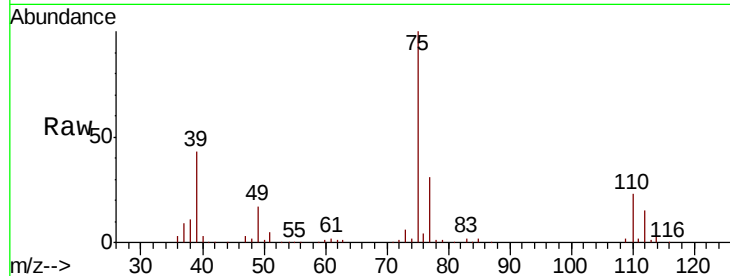


#39

cis-1,3-Dichloropropene
 Concen: 49.980 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018228.D
 Acq: 16 Sep 2020 11:15

Instrument :
 MSVOA_V
 ClientSampleId :

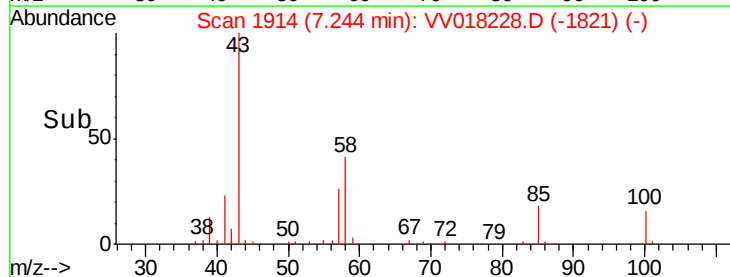
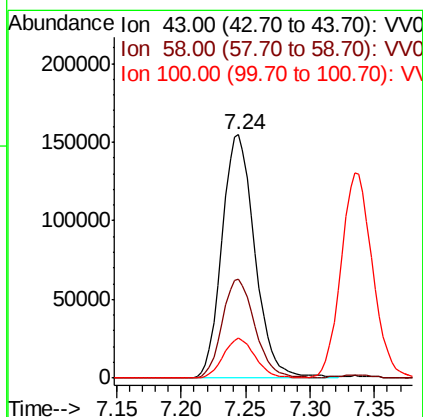
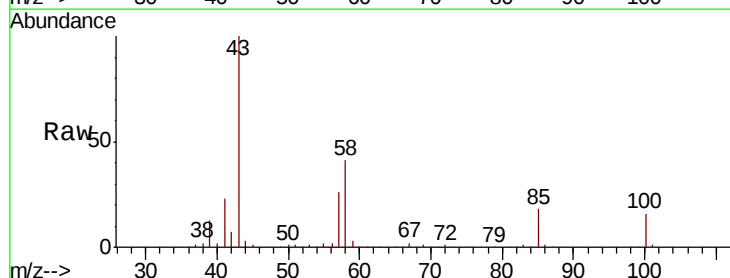
Tot Ion: 75 Resp: 171344
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.3

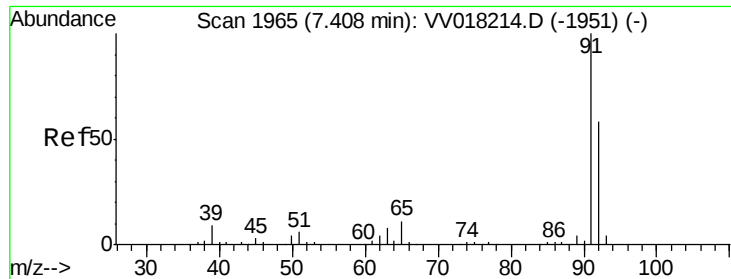


#40

4-Methyl-2-pentanone
 Concen: 101.610 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018228.D
 Acq: 16 Sep 2020 11:15

Tgt Ion: 43 Resp: 274275
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6
 100 15.9 12.7 19.1





#42

Toluene

Concen: 50.171 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

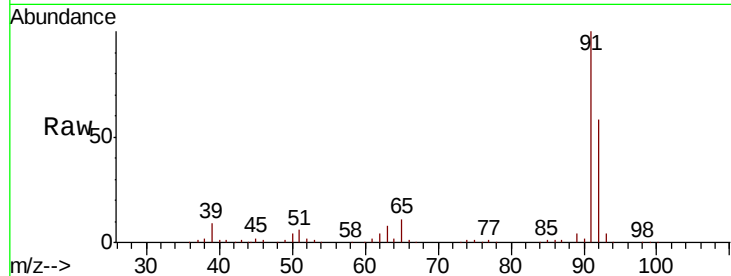
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 445817

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

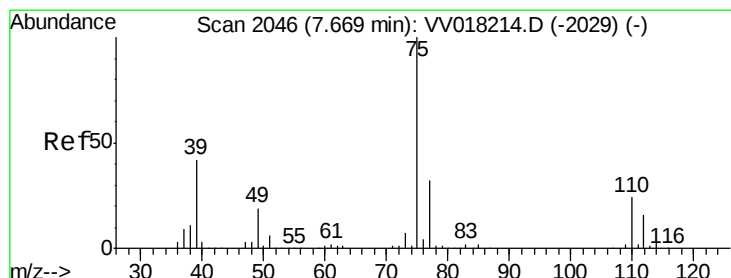
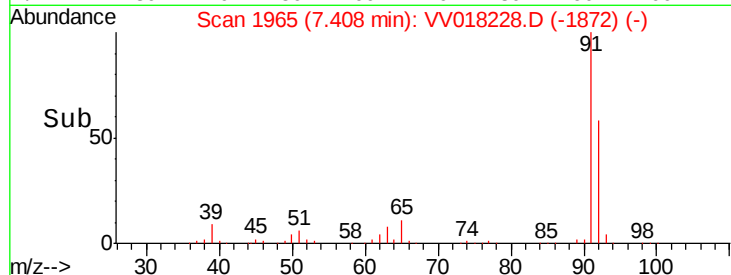
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.325 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018228.D

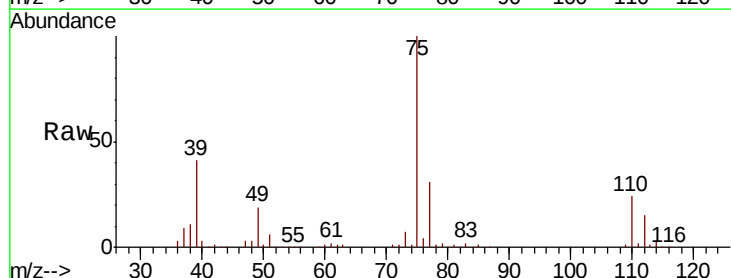
Acq: 16 Sep 2020 11:15

Tgt Ion: 75 Resp: 167980

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

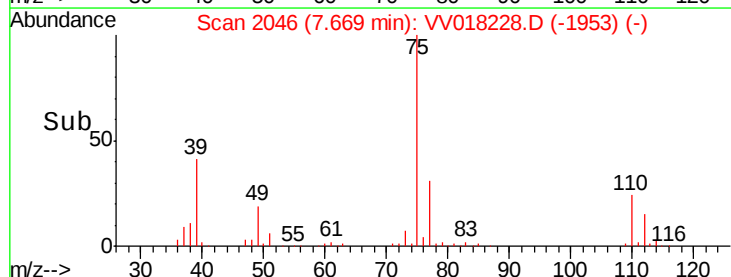
60000

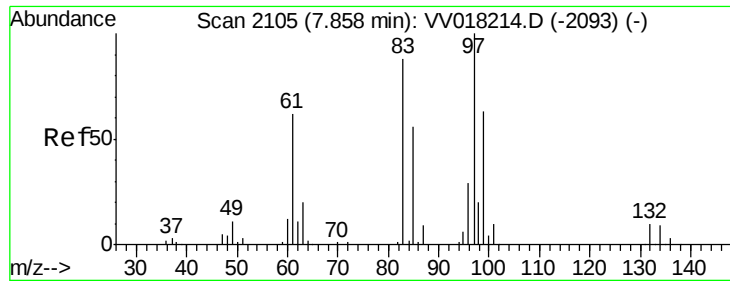
40000

20000

0

Time-->

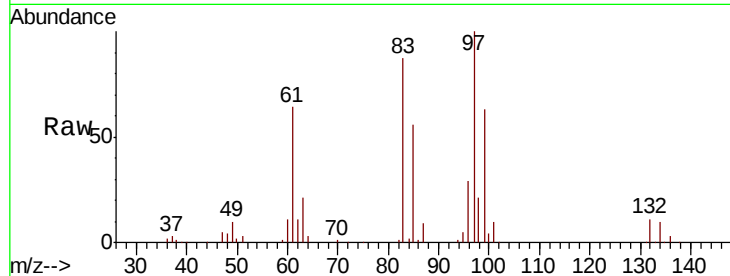




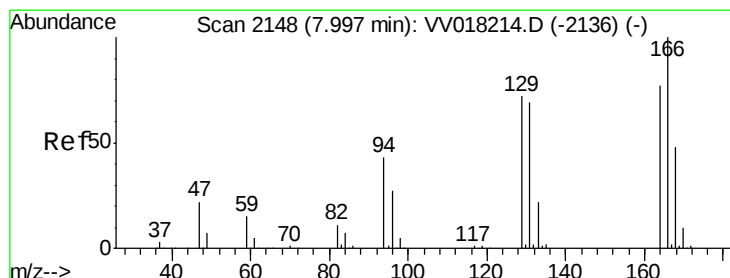
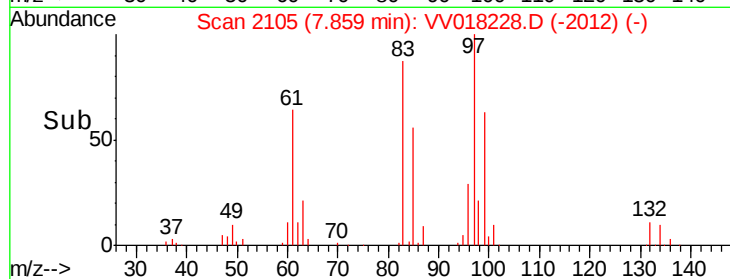
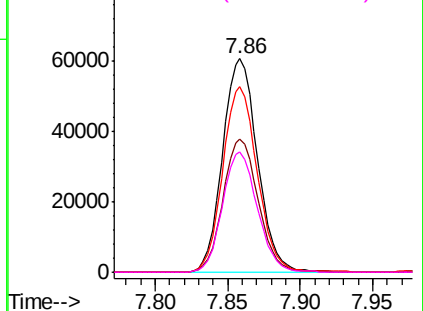
#45
1,1,2-Trichloroethane
Concen: 49.147 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	101357
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.7	81.1
83	86.8	59.9	111.3
85	56.3	37.6	69.8

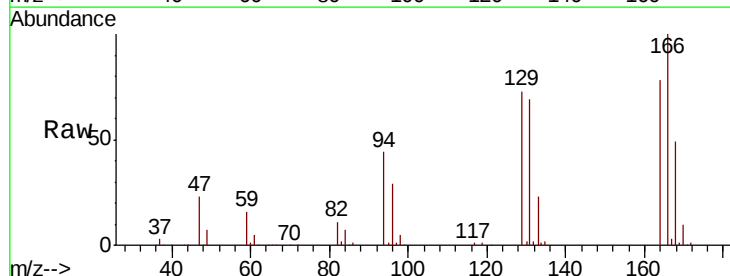


Abundance Ion 97.00 (96.70 to 97.70): VV018228.D (-2093) (-)
Ion 99.00 (98.70 to 99.70): VV018228.D (-2093) (-)
Ion 83.00 (82.70 to 83.70): VV018228.D (-2093) (-)
Ion 85.00 (84.70 to 85.70): VV018228.D (-2093) (-)

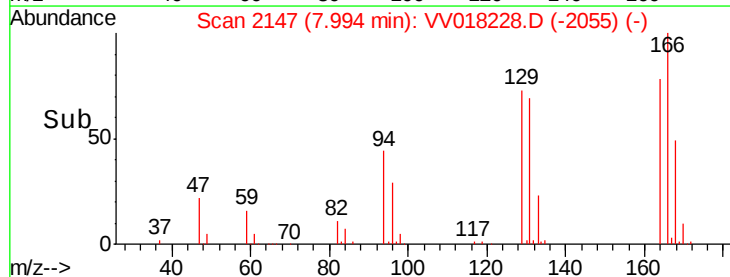
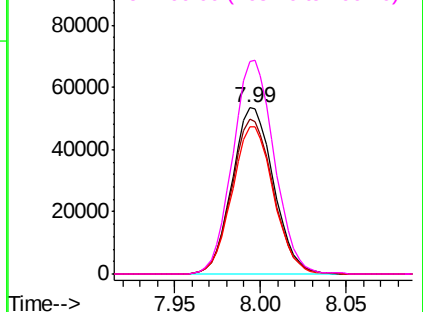


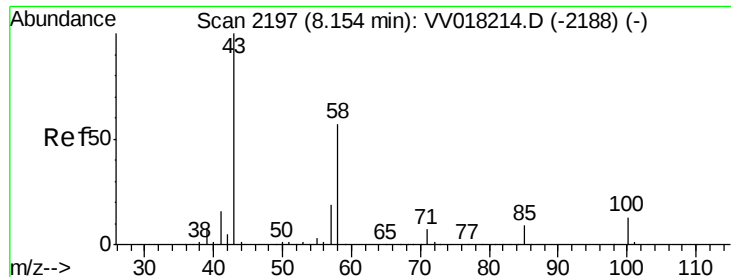
#46
Tetrachloroethene
Concen: 50.071 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Tgt Ion:	164	Resp:	89799
Ion	Ratio	Lower	Upper
164	100		
129	93.0	64.5	119.7
131	88.6	61.8	114.8
166	127.6	90.6	168.2



Abundance Ion 164.00 (163.70 to 164.70): VV018228.D (-2055) (-)
Ion 129.00 (128.70 to 129.70): VV018228.D (-2055) (-)
Ion 131.00 (130.70 to 131.70): VV018228.D (-2055) (-)
Ion 166.00 (165.70 to 166.70): VV018228.D (-2055) (-)

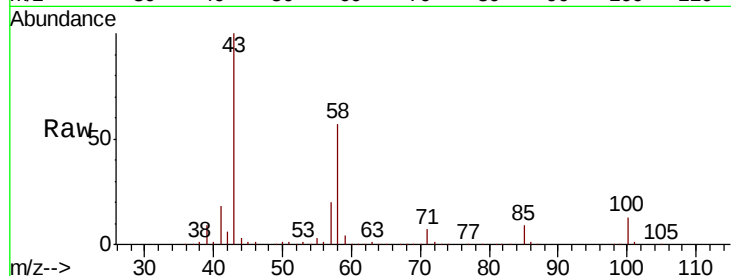




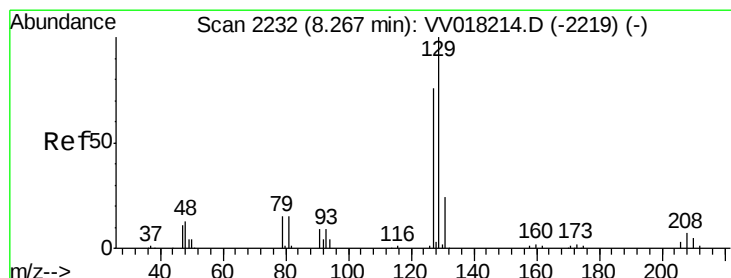
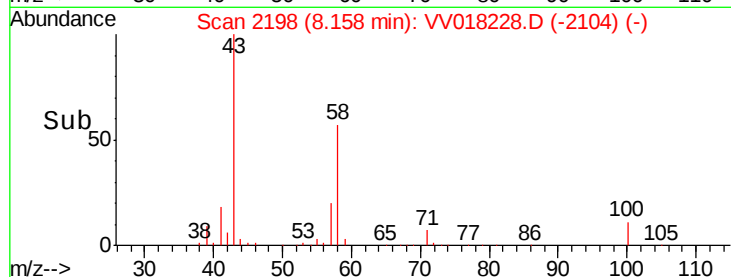
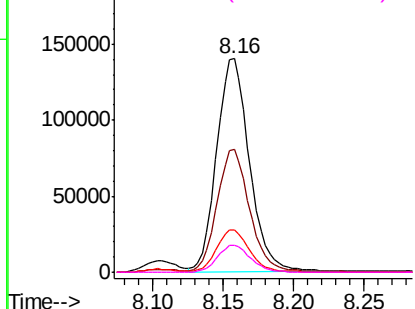
#48
2-Hexanone
Concen: 105.700 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 224938
Ion Ratio Lower Upper
43 100
58 57.4 44.8 67.2
57 20.1 15.8 23.6
100 13.0 10.2 15.4

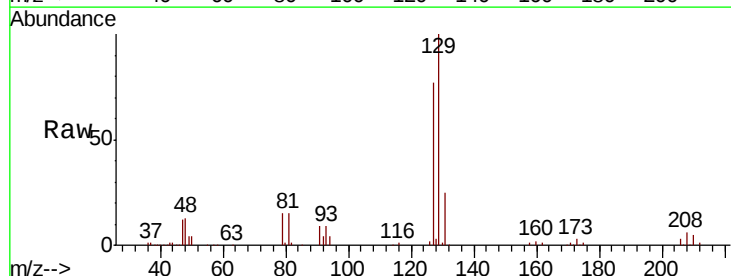


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

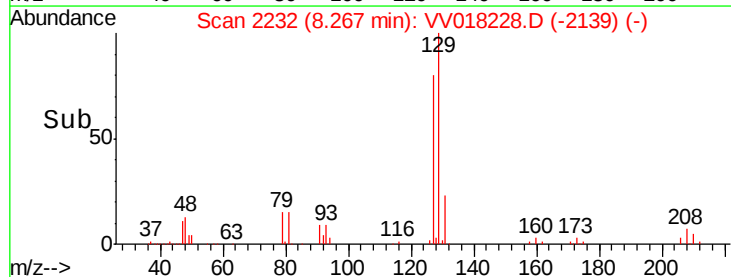
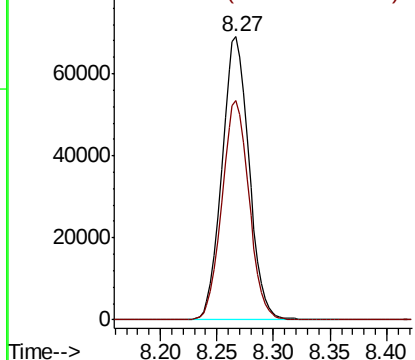


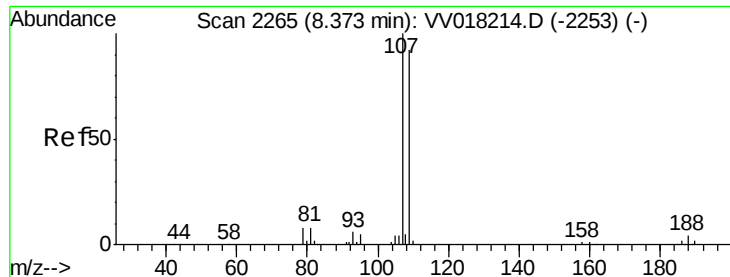
#49
Dibromochloromethane
Concen: 49.868 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Tgt Ion: 129 Resp: 115439
Ion Ratio Lower Upper
129 100
127 77.4 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

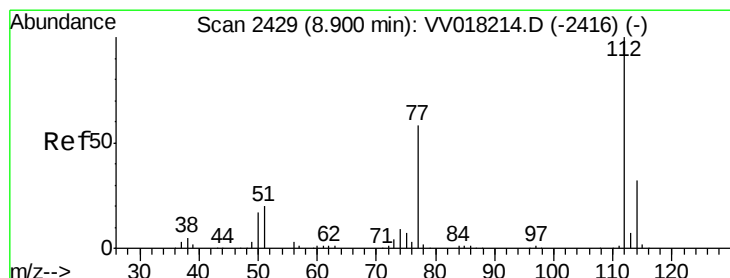
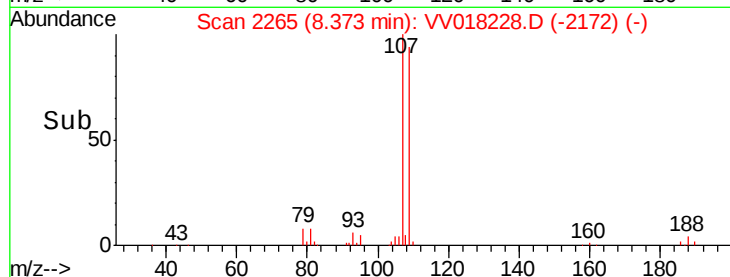
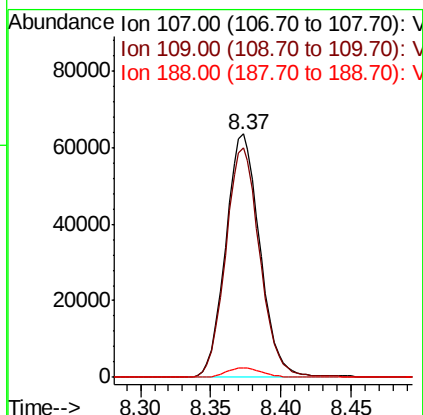
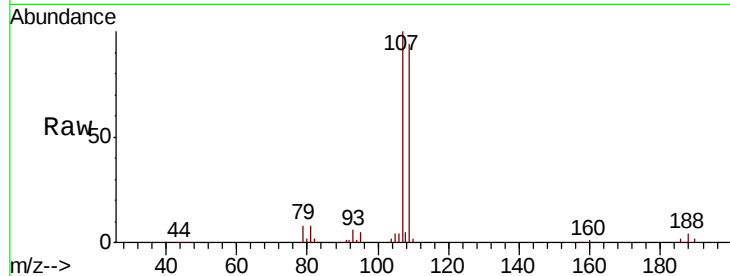




#50
1,2-Dibromoethane
Concen: 49.717 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

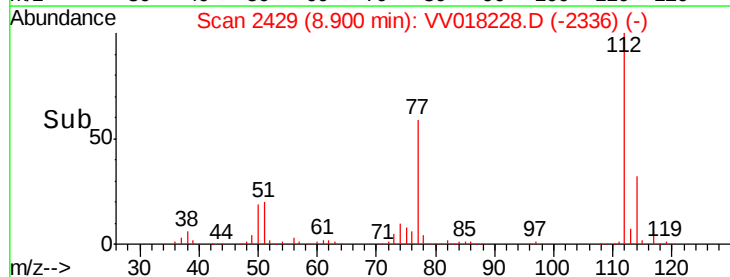
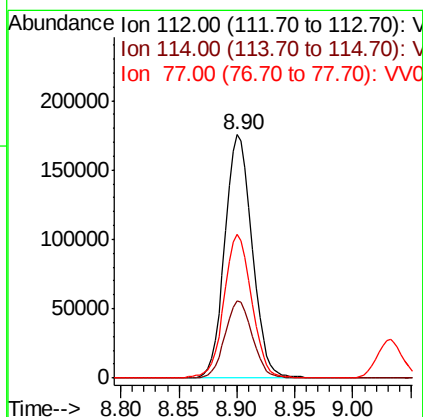
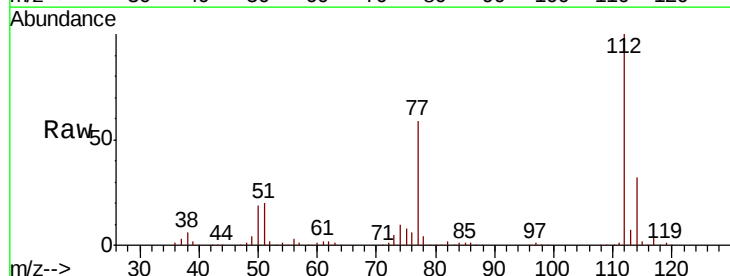
Instrument :
MSVOA_V
ClientSampleId :

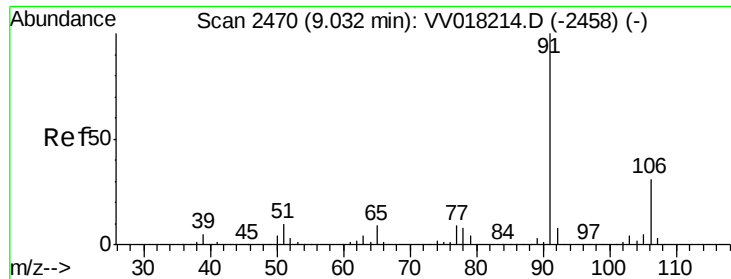
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.1	122.8
188	4.0	3.2	4.8



#51
Chlorobenzene
Concen: 49.581 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.6	42.0
77	58.8	48.0	72.0

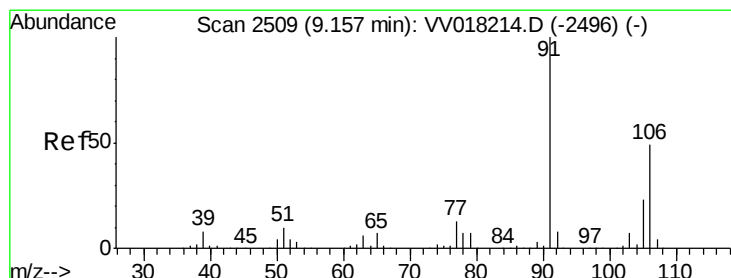
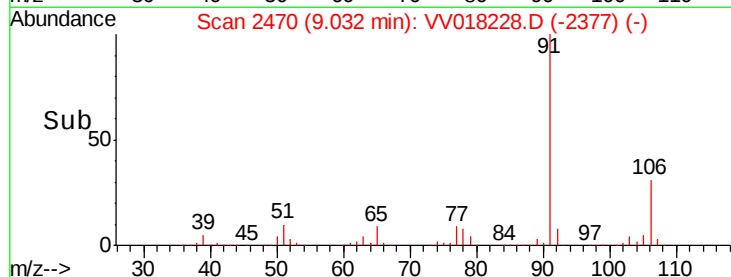
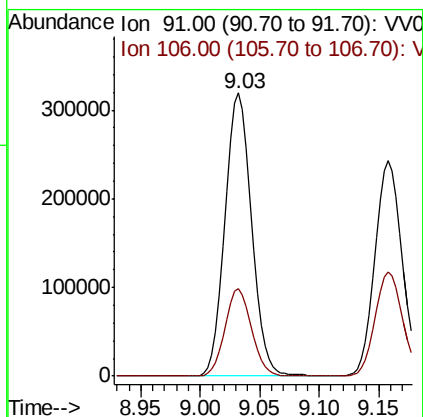
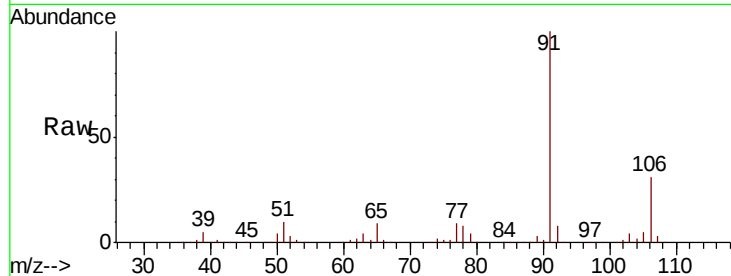




#52
Ethylbenzene
Concen: 51.076 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

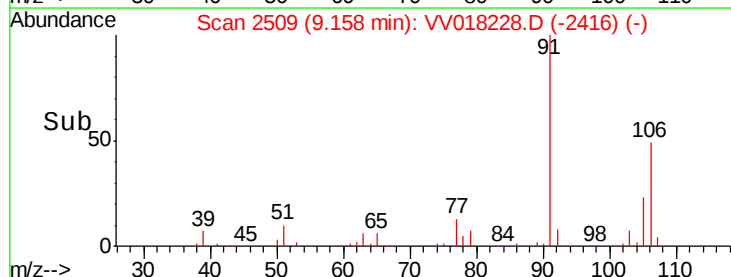
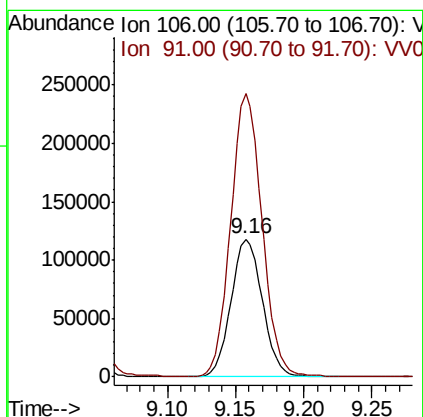
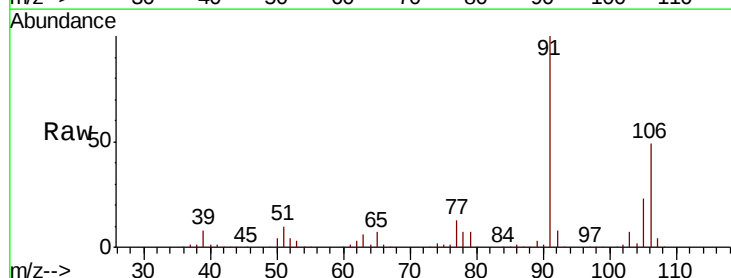
Instrument :
MSVOA_V
ClientSampleId :

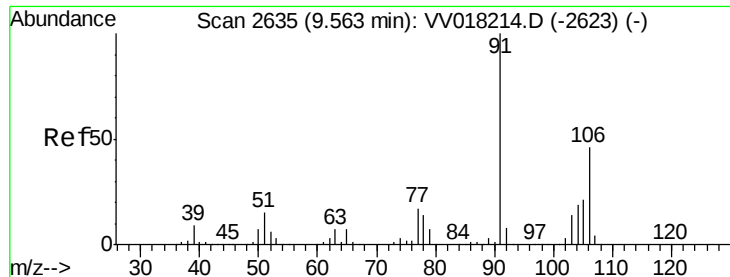
Tot Ion: 91 Resp: 495502
Ion Ratio Lower Upper
91 100
106 31.1 21.3 39.5



#53
m,p-Xylene
Concen: 52.044 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Tgt Ion: 106 Resp: 188453
Ion Ratio Lower Upper
106 100
91 205.6 146.7 272.5

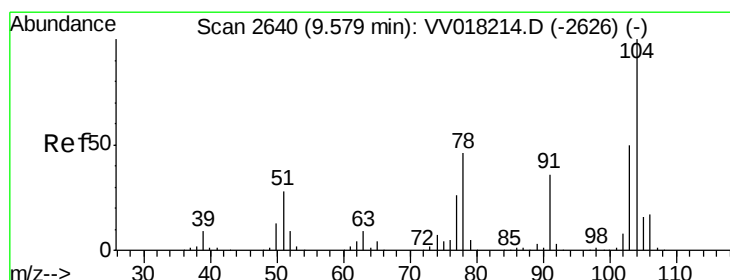
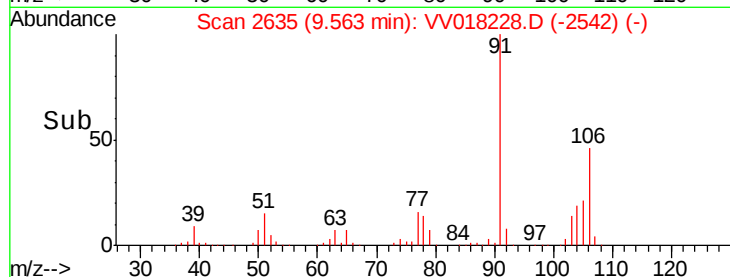
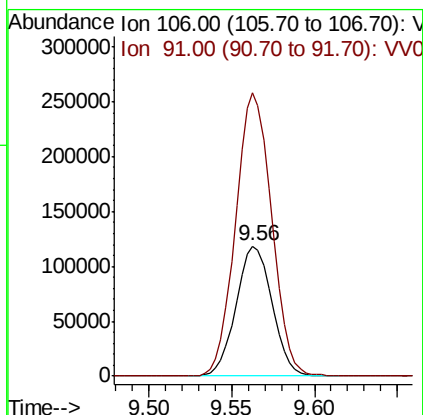
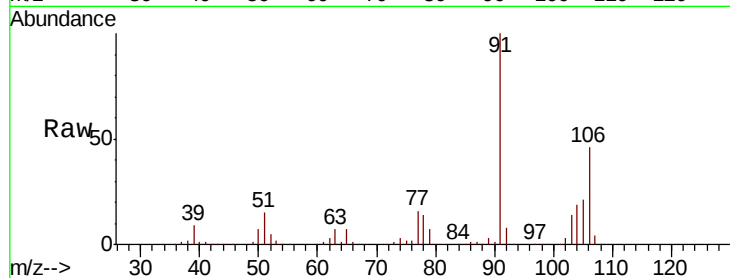




#54
o-xylene
Concen: 51.588 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

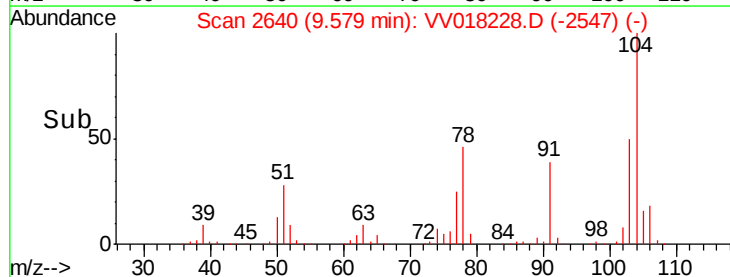
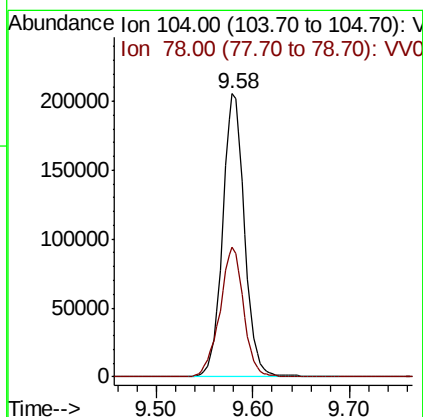
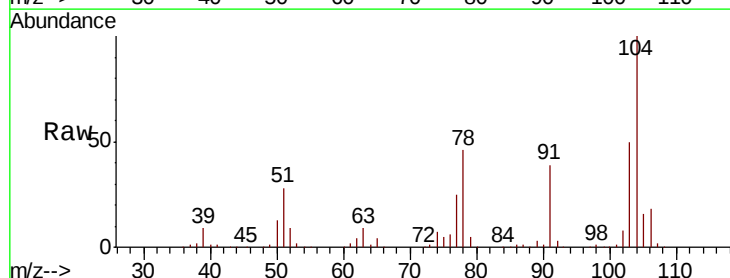
Instrument :
MSVOA_V
ClientSampled :

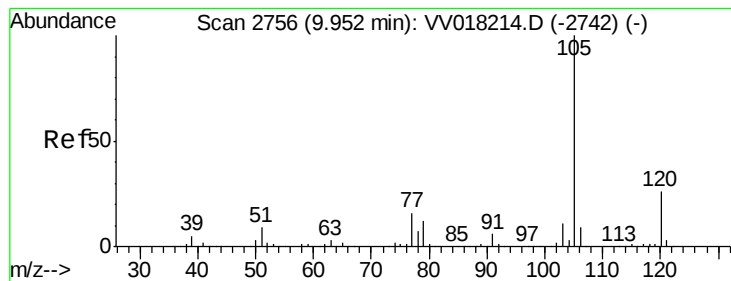
Tot Ion:106 Resp: 179963
Ion Ratio Lower Upper
106 100
91 217.1 152.2 282.6



#55
Styrene
Concen: 53.088 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018228.D
Acq: 16 Sep 2020 11:15

Tgt Ion:104 Resp: 321894
Ion Ratio Lower Upper
104 100
78 45.7 31.4 58.2





#56

Isopropylbenzene

Concen: 51.859 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :
MSVOA_V
ClientSampleId :

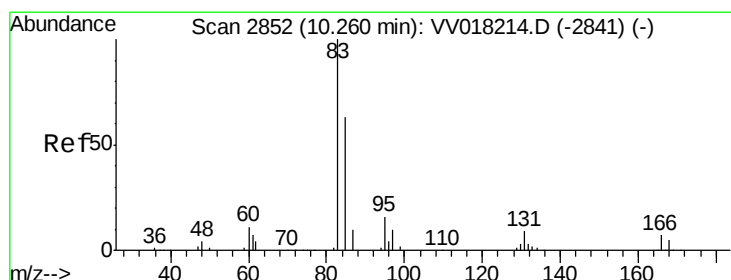
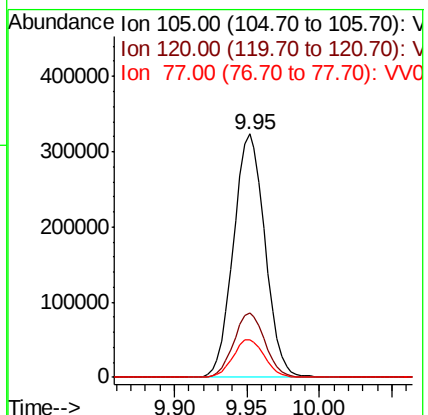
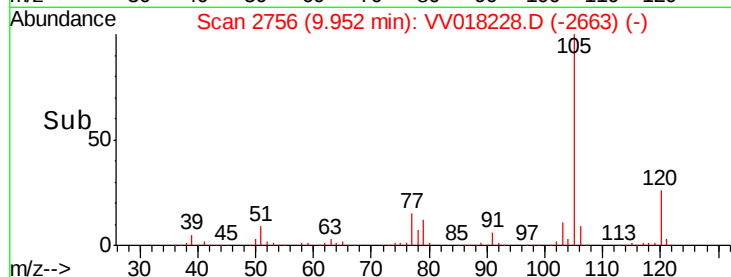
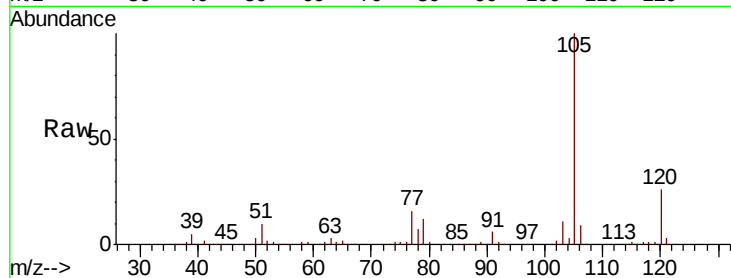
Tot Ion:105 Resp: 487562

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 15.6 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 53.640 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

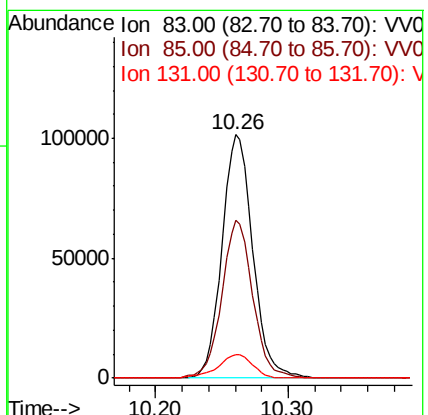
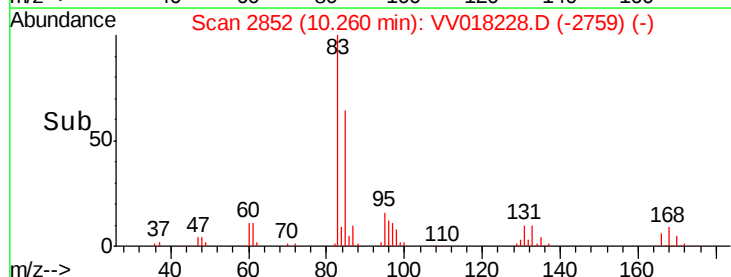
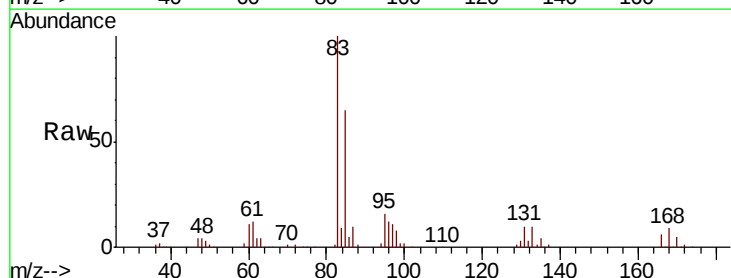
Tgt Ion: 83 Resp: 163635

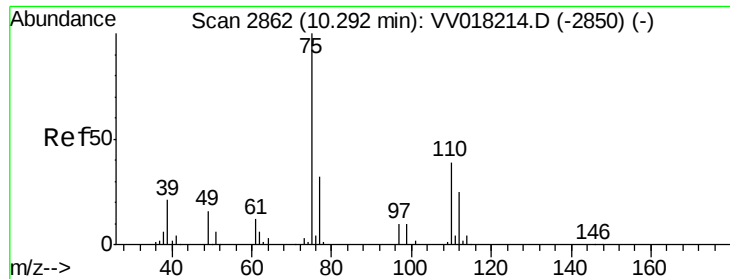
Ion Ratio Lower Upper

83 100

85 64.7 45.8 85.2

131 9.6 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 49.776 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :

MSVOA_V

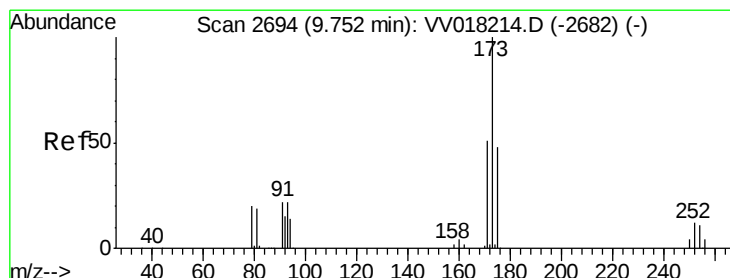
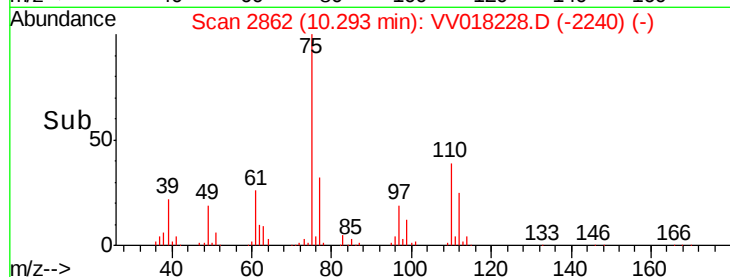
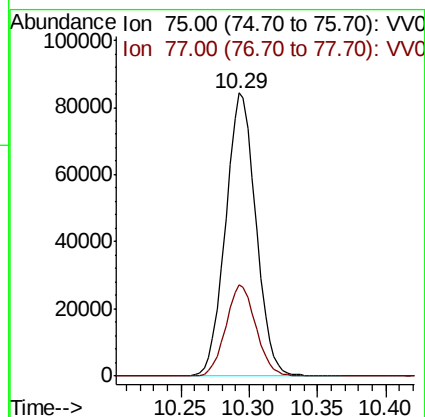
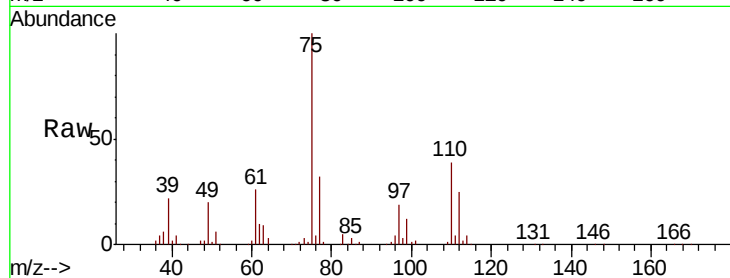
ClientSampled :

Tot Ion: 75 Resp: 130263

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6



#61

Bromoform

Concen: 48.955 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

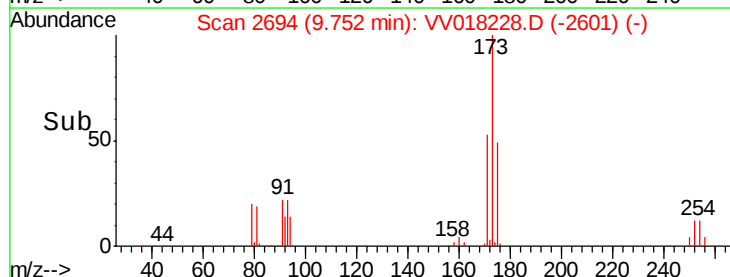
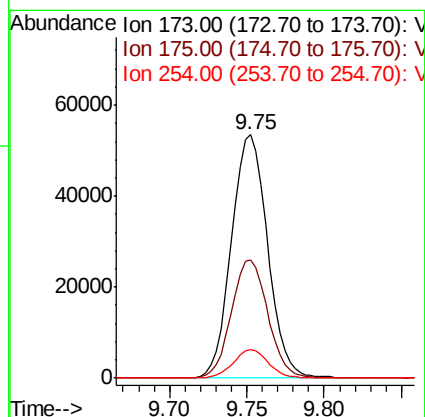
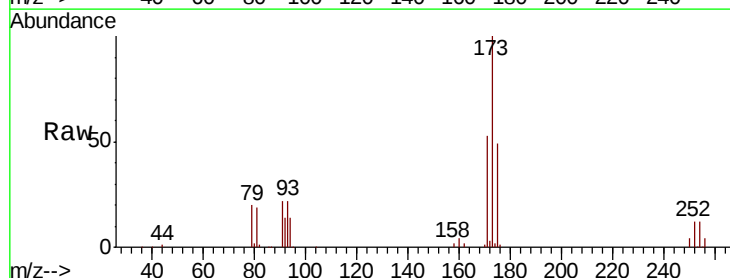
Tgt Ion: 173 Resp: 86742

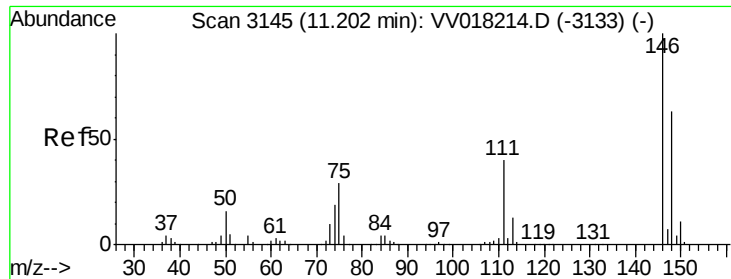
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

254 11.2 9.0 13.4





#62

1,3-Dichlorobenzene

Concen: 49.526 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :

MSVOA_V

ClientSampleId :

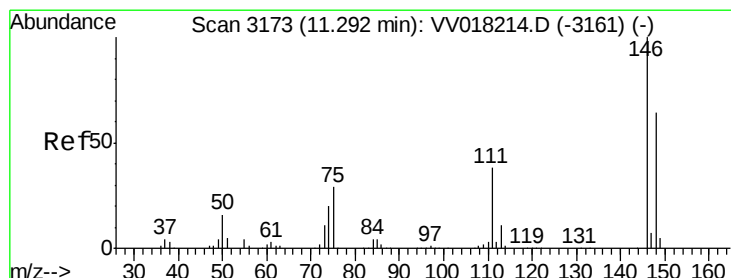
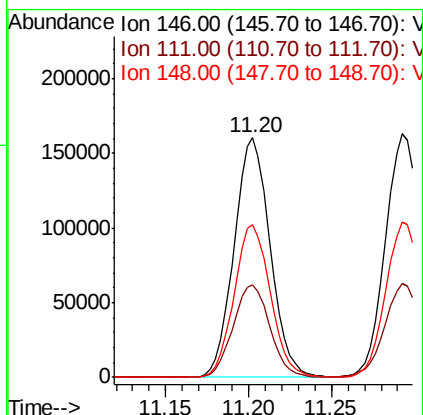
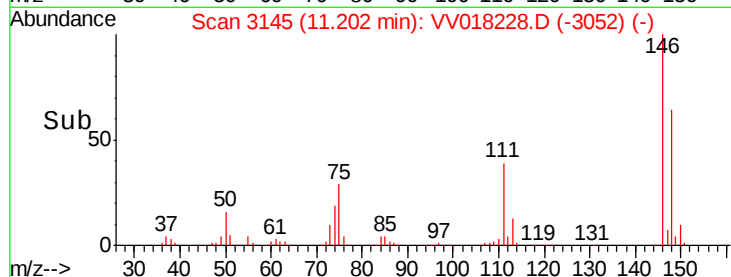
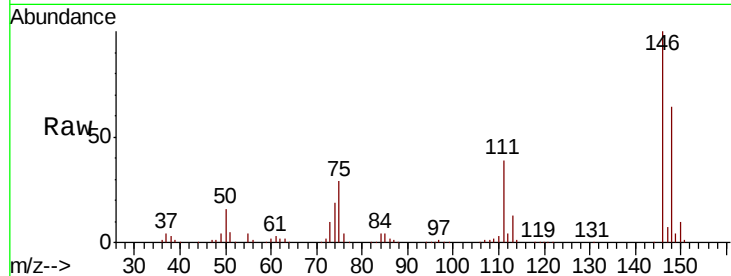
Tot Ion:146 Resp: 242901

Ion Ratio Lower Upper

146 100

111 38.7 27.6 51.2

148 63.8 45.4 84.2



#63

1,4-Dichlorobenzene

Concen: 49.290 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

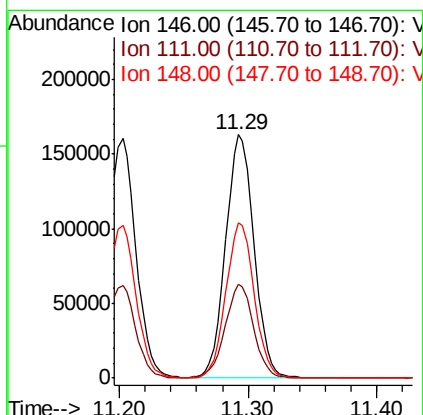
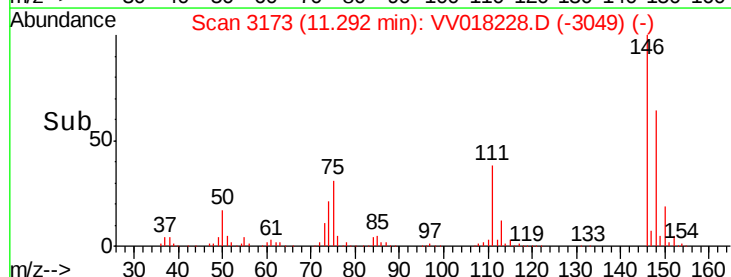
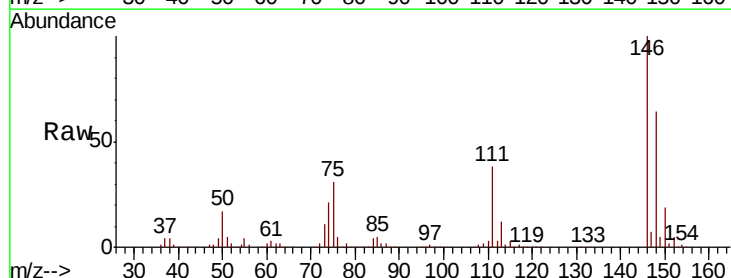
Tgt Ion:146 Resp: 248477

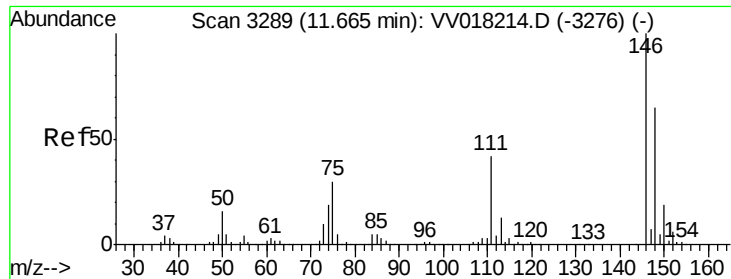
Ion Ratio Lower Upper

146 100

111 38.4 27.1 50.3

148 63.8 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 48.295 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :

MSVOA_V

ClientSampleId :

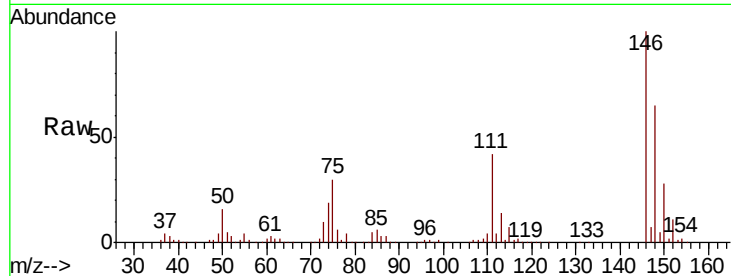
Tot Ion:146 Resp: 239414

Ion Ratio Lower Upper

146 100

111 41.9 32.8 49.2

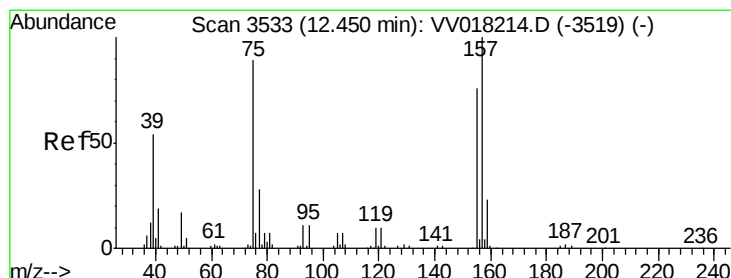
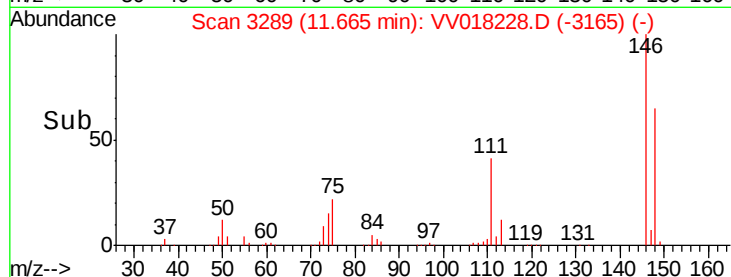
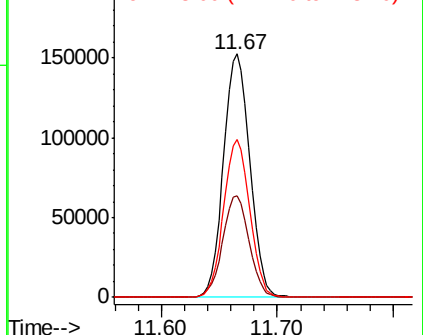
148 64.6 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 51.781 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

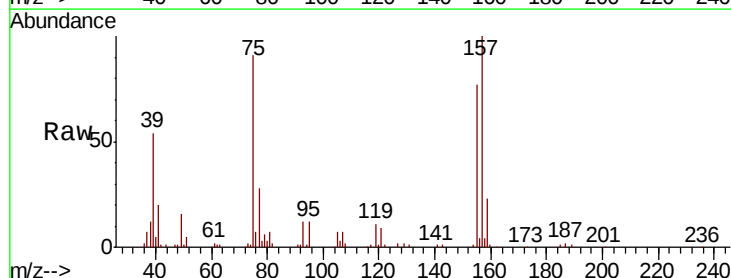
Tgt Ion: 75 Resp: 36223

Ion Ratio Lower Upper

75 100

155 84.4 69.7 104.5

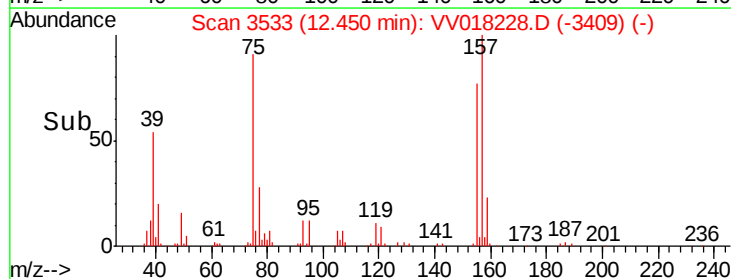
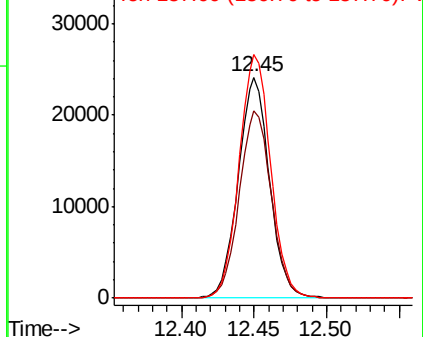
157 110.1 88.2 132.4

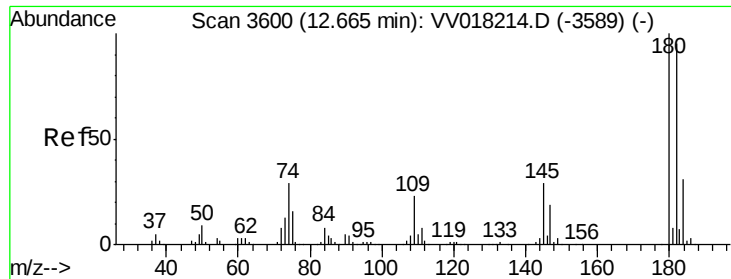


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

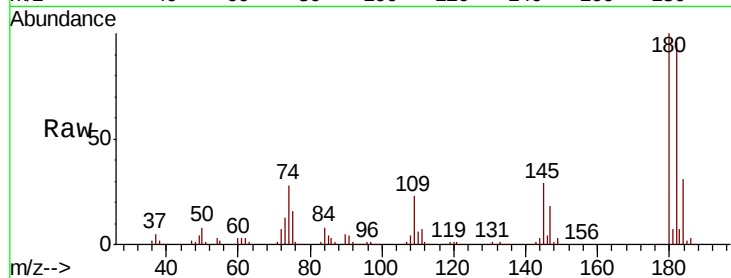




#67
 1,3,5-Trichlorobenzene
 Concen: 49.986 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018228.D
 Acq: 16 Sep 2020 11:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
184	31.2	24.6	36.8
145	28.5	22.7	34.1



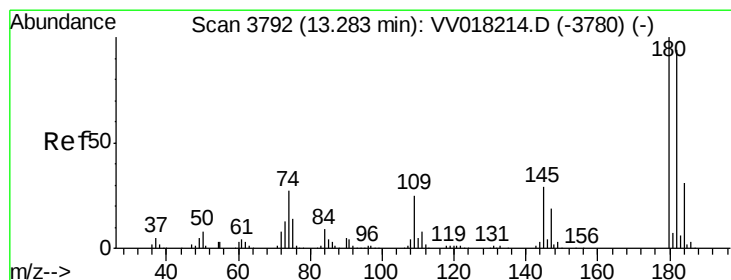
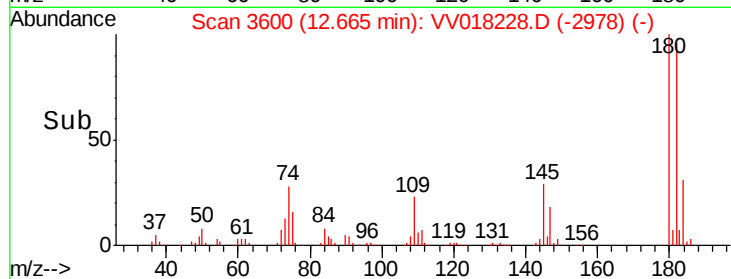
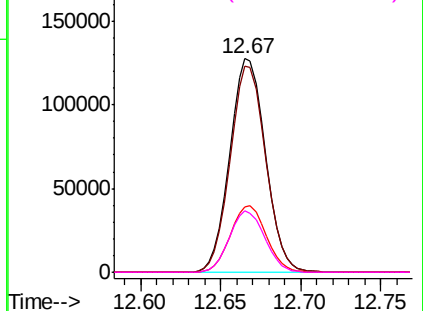
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

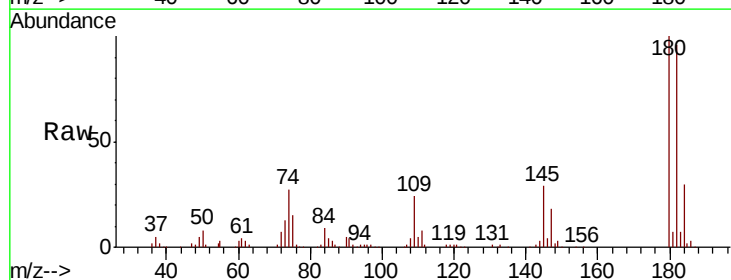
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.053 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018228.D
 Acq: 16 Sep 2020 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.4	116.2
145	29.0	23.2	34.8

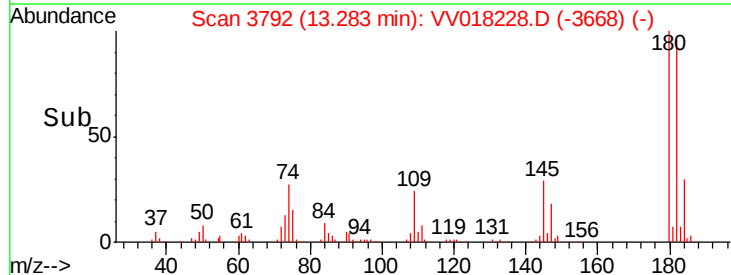
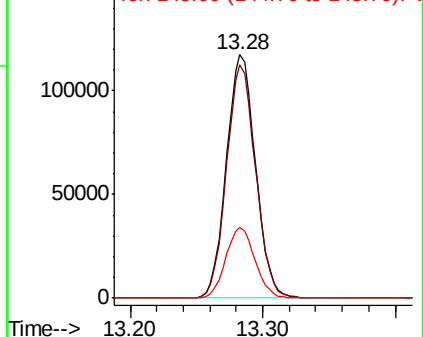


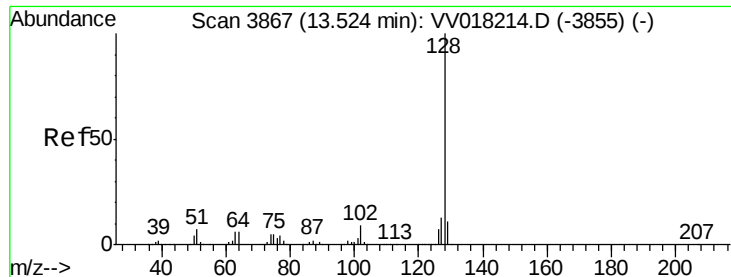
Abundance

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: 57.272 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

Instrument :

MSVOA_V

ClientSampleId :

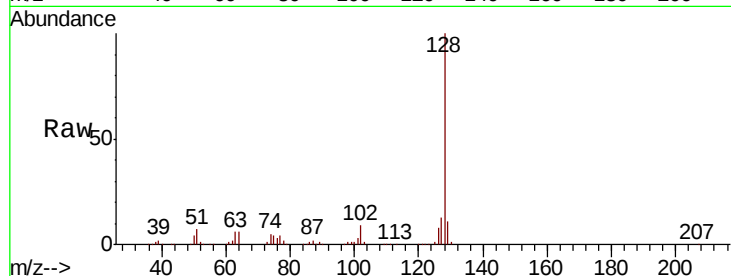
Tot Ion:128 Resp: 498955

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

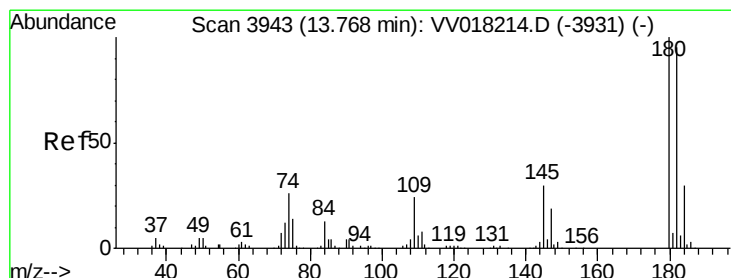
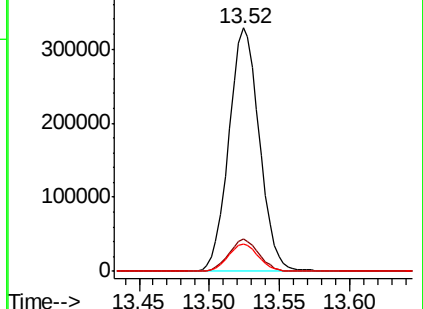
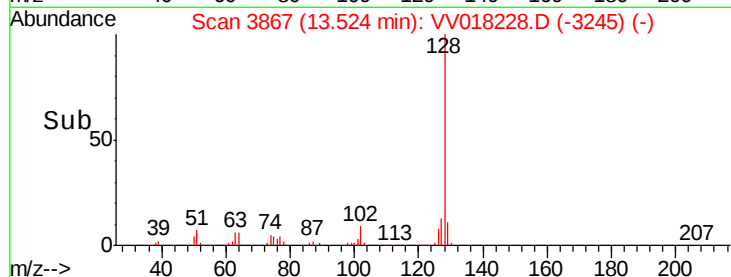
129 11.1 8.6 13.0



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: 52.744 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018228.D

Acq: 16 Sep 2020 11:15

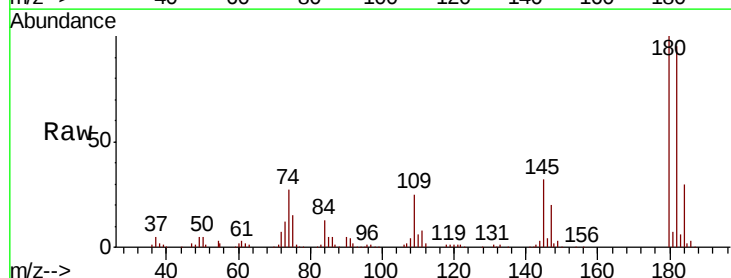
Tgt Ion:180 Resp: 178865

Ion Ratio Lower Upper

180 100

182 96.3 76.5 114.7

145 31.4 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

