

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072720\
 Data File : VV017691.D
 Acq On : 27 Jul 2020 20:42
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 04:59:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 28 04:52:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	161417	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	156839	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	89360	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	33183	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	26762	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.12	63	82084	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	3.94	46	79823	43.29	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.58%
24) Chloroform-d	4.38	84	91071	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	46533	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.07	84	150457	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.10	67	40970	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	7.34	98	149352	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
45) trans-1,3-Dichloropropene-	7.64	79	19814	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
48) 2-Hexanone-d5	8.11	63	56554	41.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.80%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	29536	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	61447	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	85701	4.845	ug/L 99
3) Chloromethane	1.25	50	55541	4.827	ug/L 96
5) Vinyl chloride	1.32	62	57527	4.988	ug/L 98
6) Bromomethane	1.53	94	35735	4.821	ug/L 100
8) Chloroethane	1.60	64	33817	5.080	ug/L 96
9) Trichlorofluoromethane	1.76	101	109969	5.332	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	48982	5.085	ug/L 95
12) 1,1-Dichloroethene	2.13	96	47937	5.515	ug/L 94
13) Acetone	2.46	43	15478	10.723	ug/L 85
14) Carbon disulfide	2.31	76	134814	5.102	ug/L 99
15) Methyl Acetate	2.46	43	15826	5.635	ug/L # 84
16) Methylene chloride	2.52	84	50001	5.170	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	111725	5.015	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	49607	5.238	ug/L 98
19) 1,1-Dichloroethane	3.21	63	95609	4.800	ug/L 99
21) 2-Butanone	4.03	43	106399	43.653	ug/L 97
22) cis-1,2-Dichloroethene	3.94	96	57414	4.814	ug/L 95

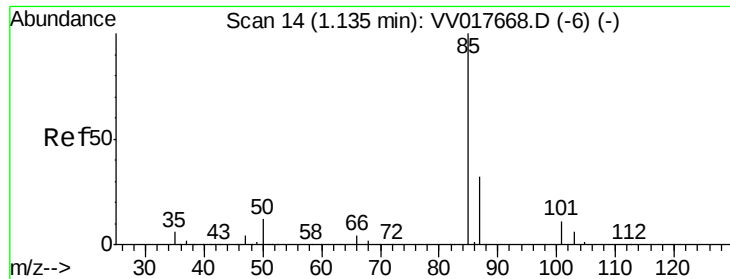
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072720\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	26678	4.854	ug/L	93
25) Chloroform	4.40	83	116313	5.203	ug/L	94
27) 1,2-Dichloroethane	5.16	62	73132	5.045	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	112752	5.138	ug/L	99
30) Cyclohexane	4.70	56	76847	4.420	ug/L	95
31) Carbon tetrachloride	4.85	117	102883	5.271	ug/L	99
33) Benzene	5.12	78	214213	4.825	ug/L	100
34) Trichloroethene	5.94	95	60806	4.903	ug/L	98
35) Methylcyclohexane	6.15	83	84643	4.512	ug/L	97
37) 1,2-Dichloropropane	6.20	63	49447	4.739	ug/L	99
38) Bromodichloromethane	6.53	83	76901	5.010	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	72749	4.623	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	245835	42.974	ug/L	99
42) Toluene	7.41	91	240490	4.966	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	230299	5.093	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	239014	5.174	ug/L	99
46) trans-1,3-Dichloropropene	7.68	75	64760	4.584	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	36516	4.615	ug/L	92
49) Tetrachloroethene	7.99	164	54530	4.988	ug/L	96
50) 2-Hexanone	8.16	43	181095	44.741	ug/L	98
51) Dibromochloromethane	8.27	129	50875	5.052	ug/L	97
52) 1,2-Dibromoethane	8.38	107	34658	4.642	ug/L	97
53) Chlorobenzene	8.90	112	158161	4.898	ug/L	99
54) Ethylbenzene	9.03	91	272050	5.017	ug/L	99
55) m,p-xylene	9.16	106	106111	5.196	ug/L	98
56) o-xylene	9.56	106	99363	5.014	ug/L	97
57) Styrene	9.58	104	172651	5.221	ug/L	97
58) Isopropylbenzene	9.95	105	281748	5.154	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	37580	4.359	ug/L	94
62) Bromoform	9.75	173	26528	4.639	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	140437	4.881	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	139026	4.815	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	126696	4.834	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	7909	4.826	ug/L	90
68) 1,3,5-Trichlorobenzene	12.67	180	108750	4.653	ug/L	98
69) 1,2,4-trichlorobenzene	13.28	180	91624	4.687	ug/L	99
70) Naphthalene	13.52	128	119921	4.400	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	80361	4.639	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.845 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

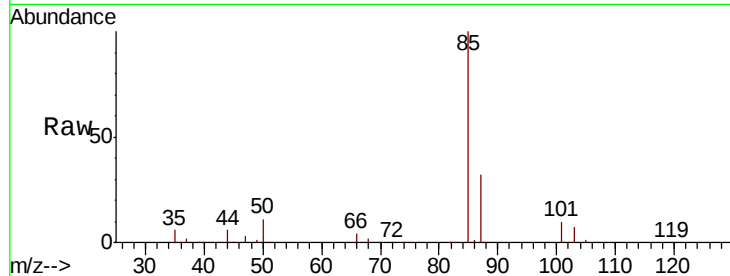
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 85701

Ion Ratio Lower Upper

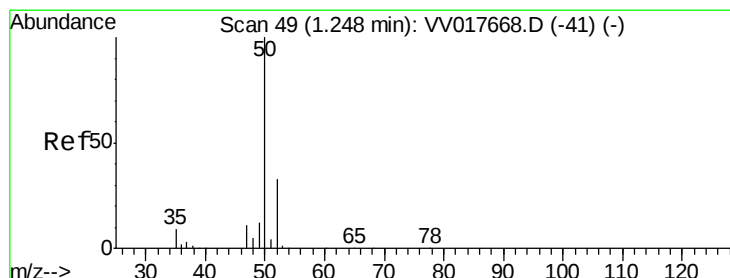
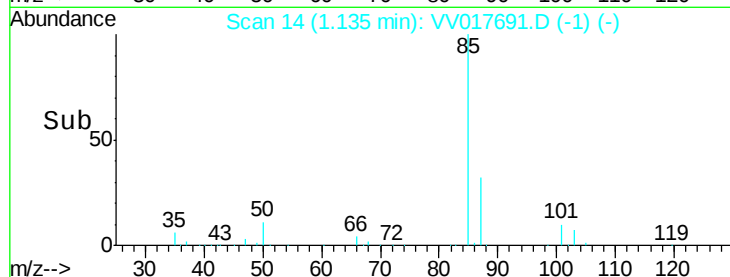
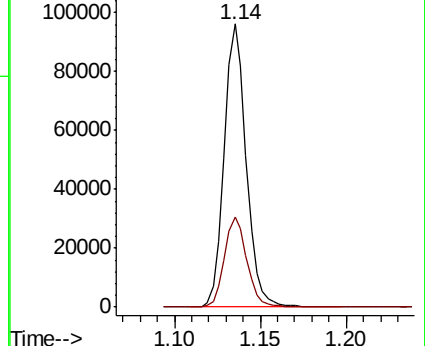
85 100

87 32.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.827 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017691.D

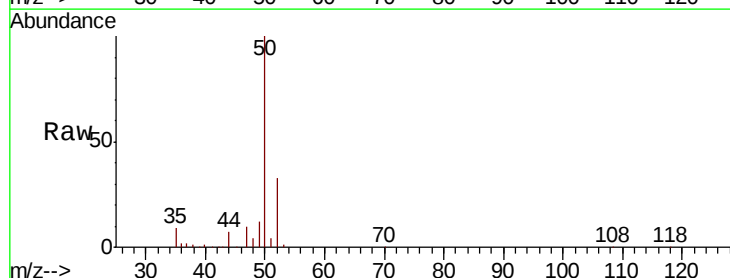
Acq: 27 Jul 2020 20:42

Tgt Ion: 50 Resp: 55541

Ion Ratio Lower Upper

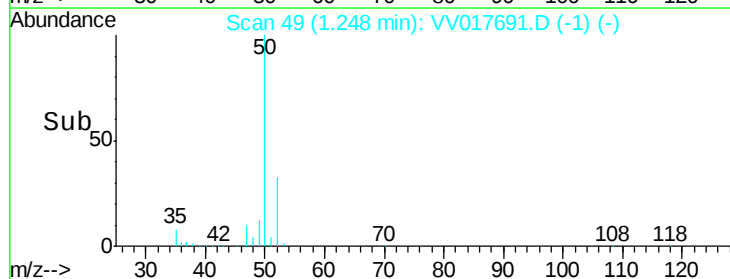
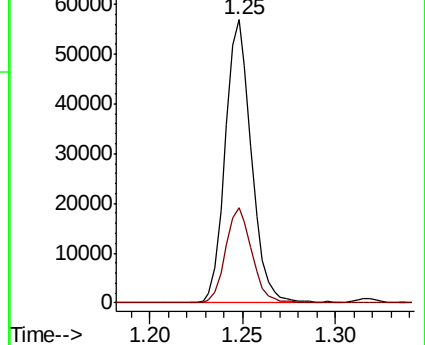
50 100

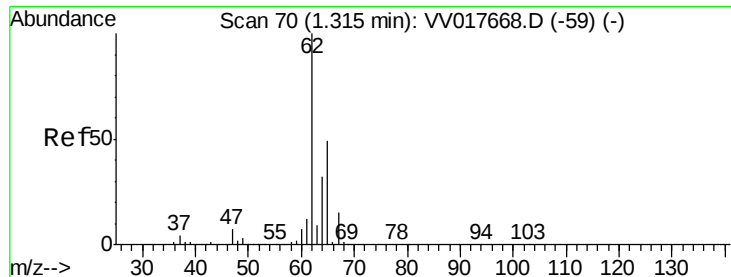
52 33.4 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.988 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

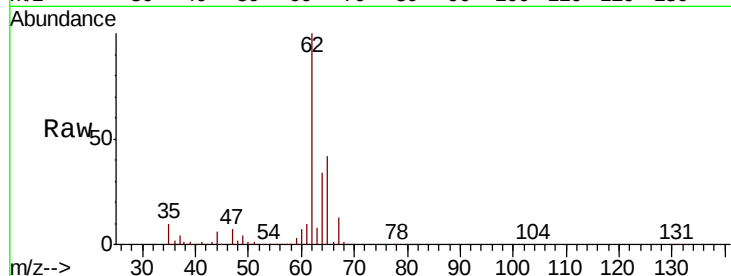
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 57527

Ion Ratio Lower Upper

62 100

64 33.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV017668.D (-59) (-)

Ion 64.10 (63.80 to 64.80): VV017668.D (-59) (-)

1.32

60000

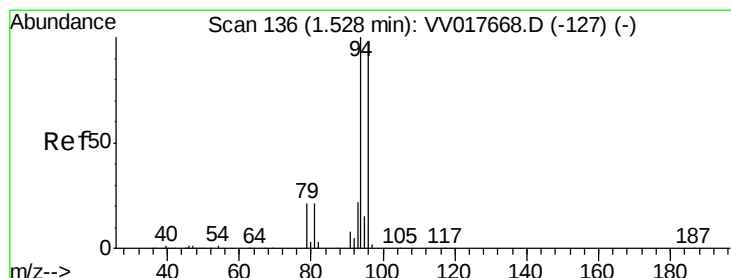
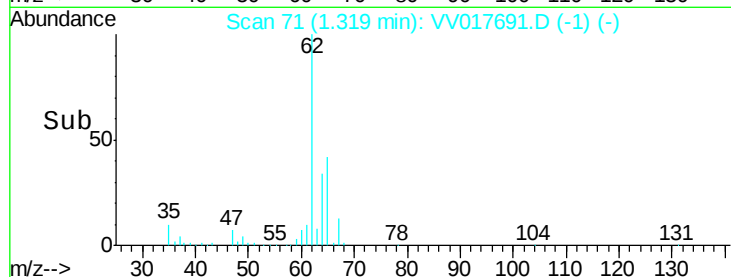
40000

20000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.821 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017691.D

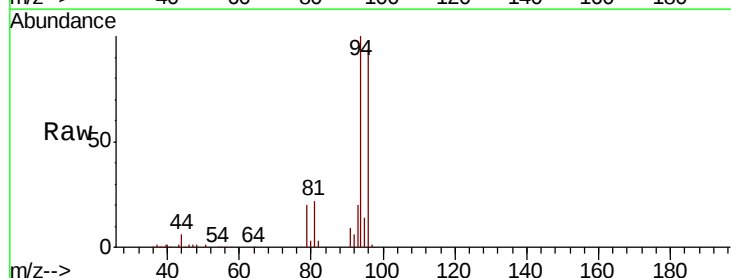
Acq: 27 Jul 2020 20:42

Tgt Ion: 94 Resp: 35735

Ion Ratio Lower Upper

94 100

96 94.2 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017668.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV017668.D (-127) (-)

1.53

30000

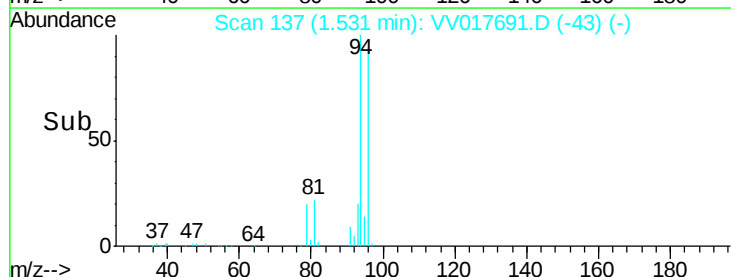
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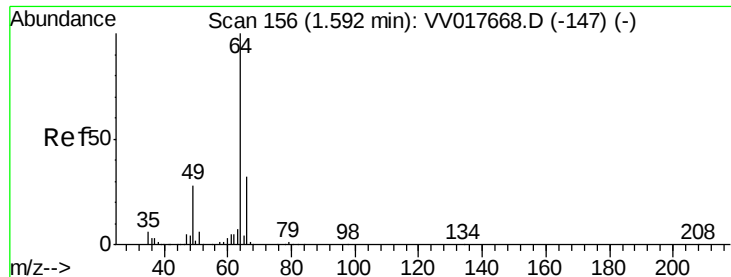
10000

0

Time-->

1.50 1.55





#8

Chloroethane

Concen: 5.080 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

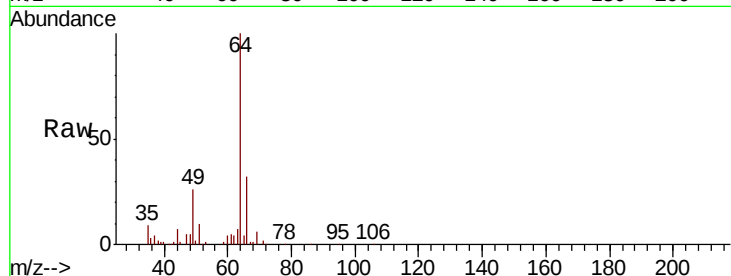
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 33817

Ion Ratio Lower Upper

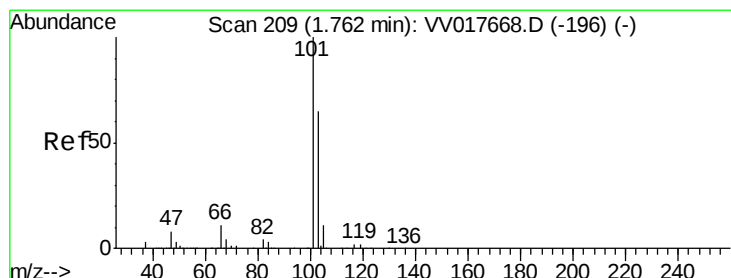
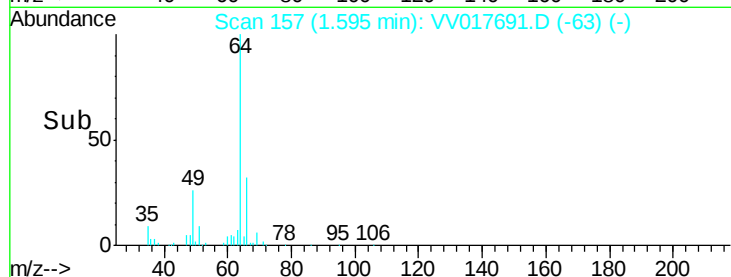
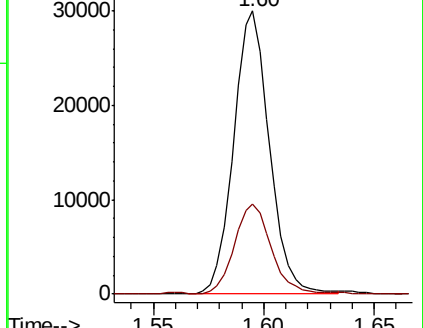
64 100

66 31.9 24.0 44.6



Abundance Ion 64.10 (63.80 to 64.80): VV017668.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV017668.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 5.332 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017691.D

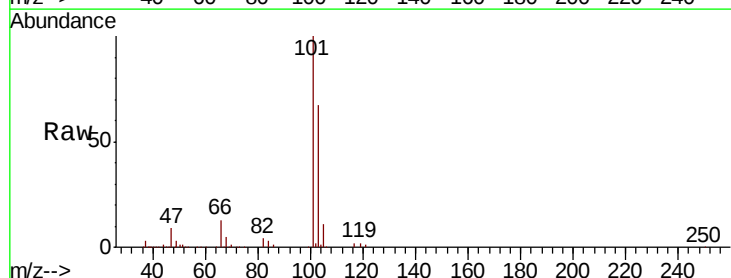
Acq: 27 Jul 2020 20:42

Tgt Ion: 101 Resp: 109969

Ion Ratio Lower Upper

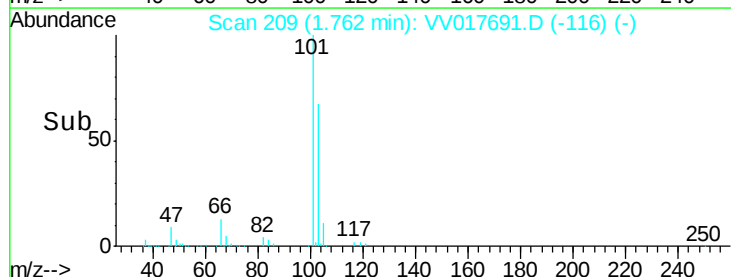
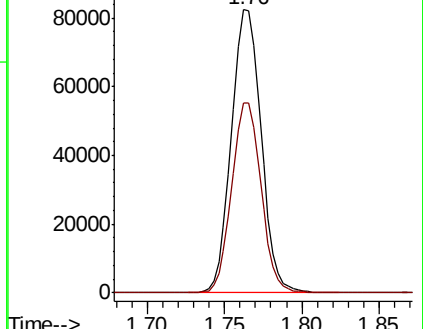
101 100

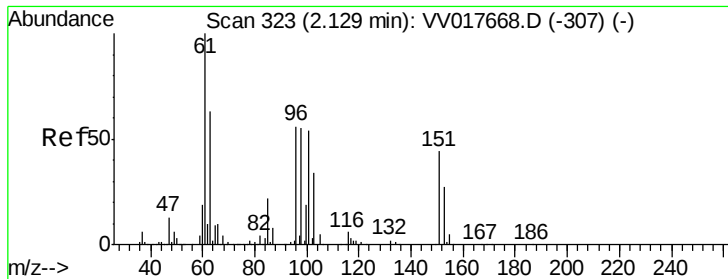
103 66.2 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV017668.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV017668.D (-196) (-)





#10

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

Concen: 5.085 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

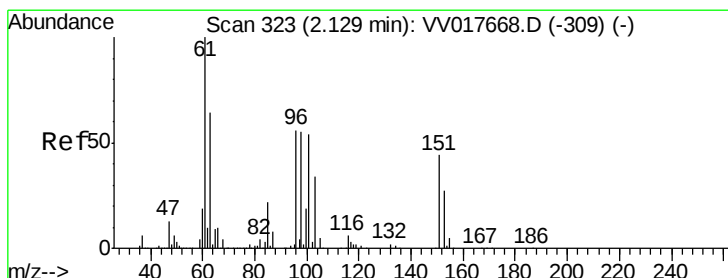
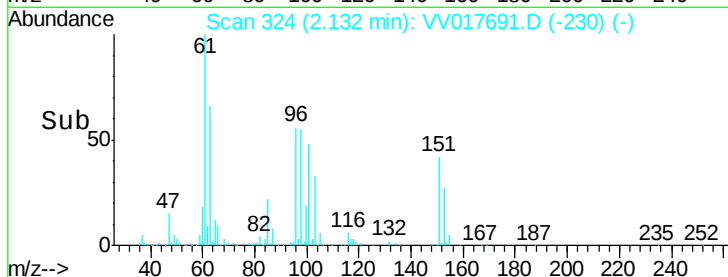
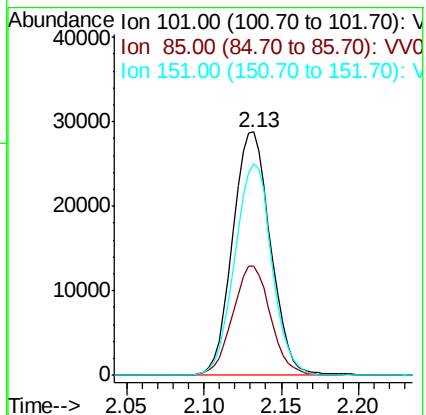
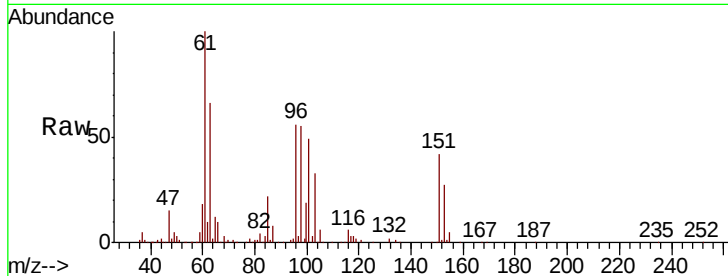
Tot Ion:101 Resp: 48982

Ion Ratio Lower Upper

101 100

85 45.0 34.6 51.8

151 85.1 63.5 95.3



#12

1,1-Dichloroethene

Concen: 5.515 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

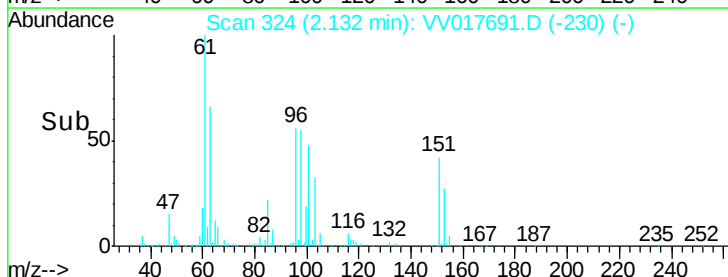
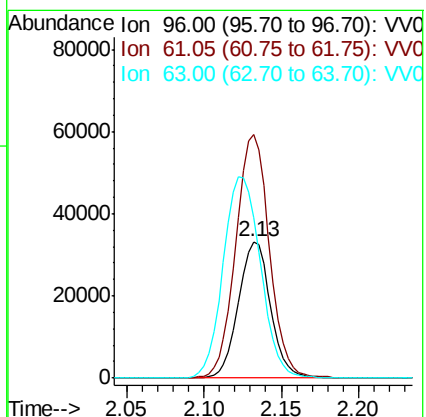
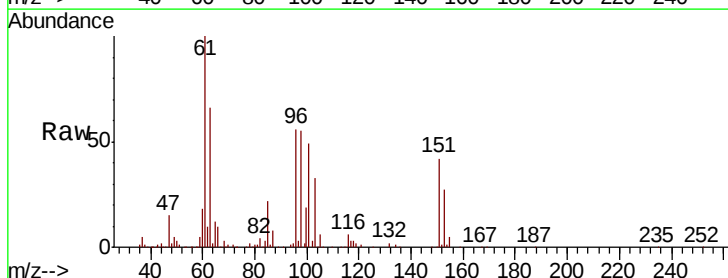
Tgt Ion: 96 Resp: 47937

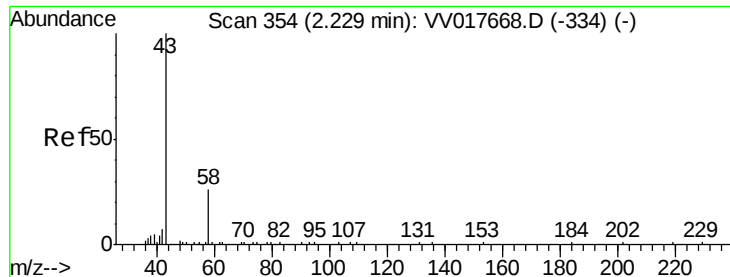
Ion Ratio Lower Upper

96 100

61 178.4 123.1 228.7

63 117.2 91.2 169.4





#13

Acetone

Concen: 10.723 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.23 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

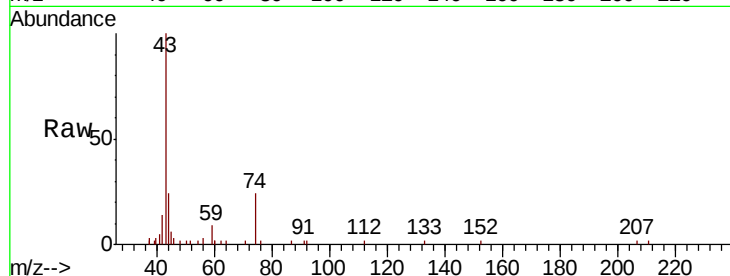
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 15478

Ion Ratio Lower Upper

43 100

58 4.0 0.0 18.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.46

6000

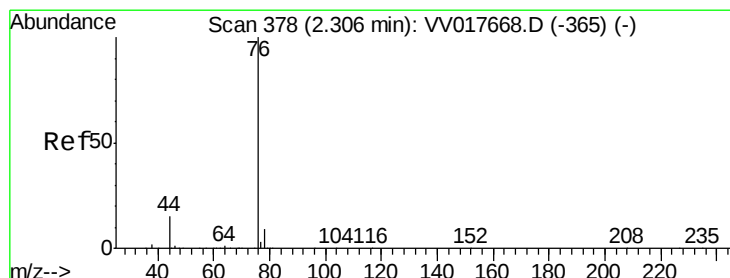
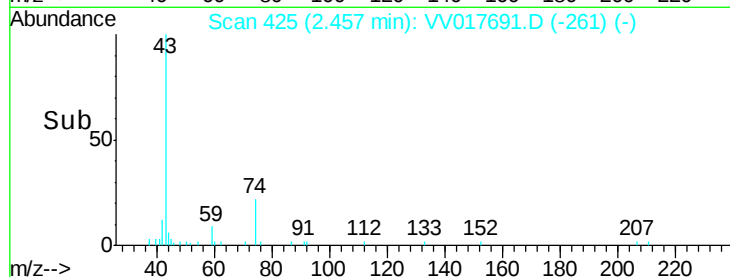
4000

2000

0

2.40 2.45 2.50

Time-->



#14

Carbon disulfide

Concen: 5.102 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017691.D

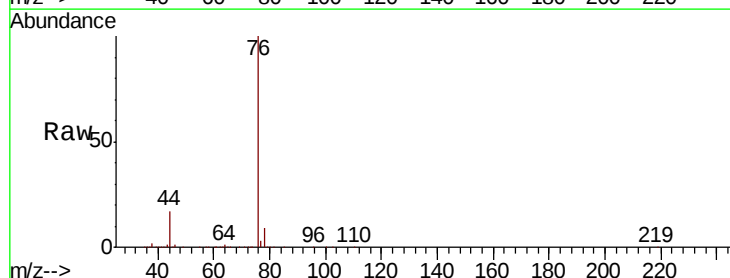
Acq: 27 Jul 2020 20:42

Tgt Ion: 76 Resp: 134814

Ion Ratio Lower Upper

76 100

78 8.7 6.6 10.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

100000

80000

60000

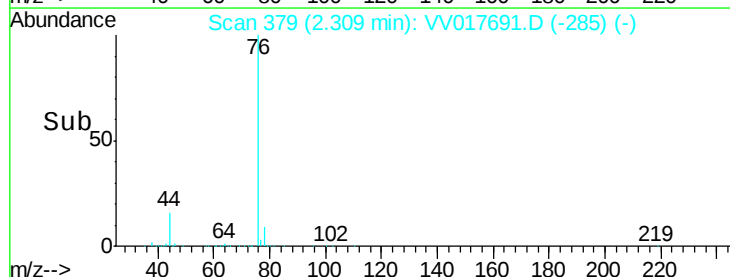
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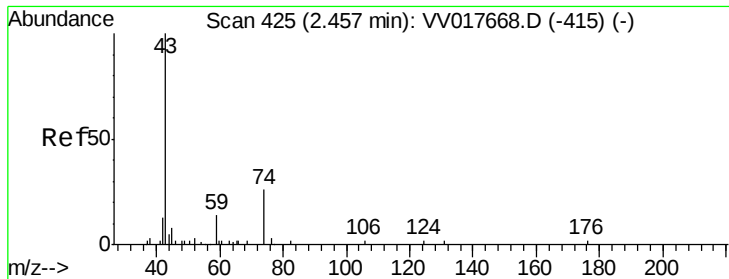
20000

0

2.25 2.30 2.35 2.40

Time-->

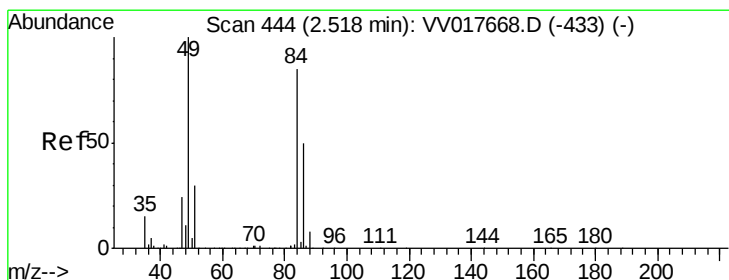
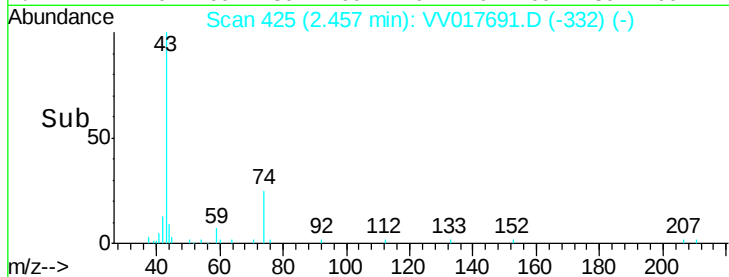
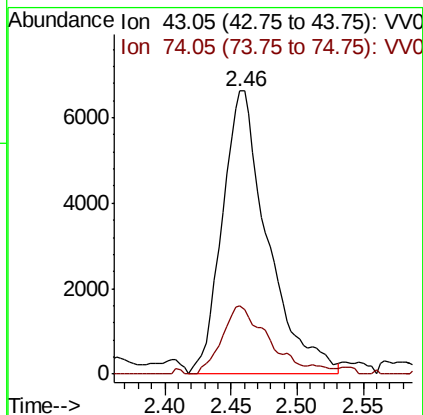
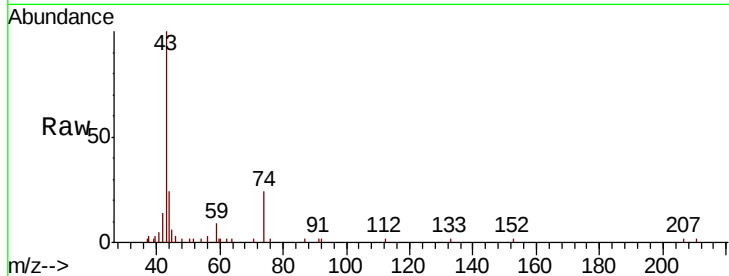




#15
Methvl Acetate
Concen: 5.635 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

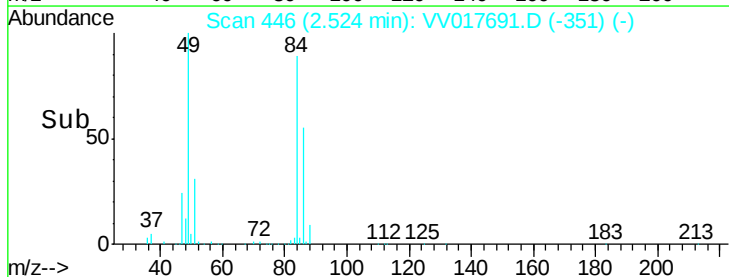
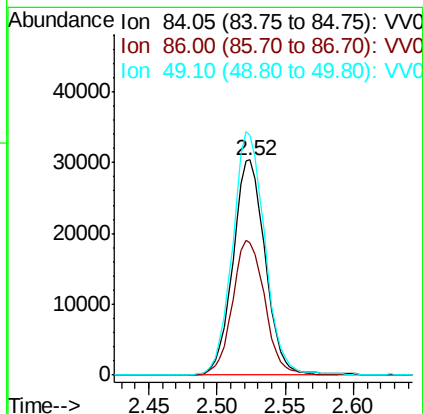
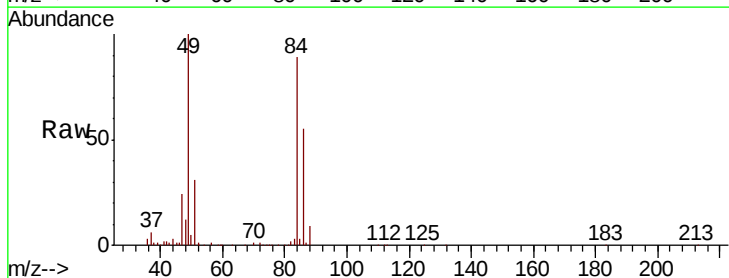
Instrument :
MSVOA_V
ClientSampleId :

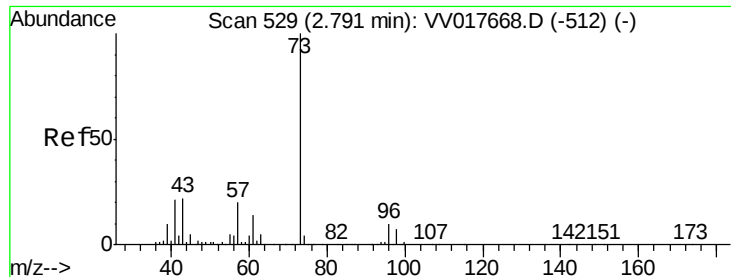
Tot Ion: 43 Resp: 15826
Ion Ratio Lower Upper
43 100
74 24.1 26.6 40.0#



#16
Methylene chloride
Concen: 5.170 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.01 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Tgt Ion: 84 Resp: 50001
Ion Ratio Lower Upper
84 100
86 61.3 46.5 86.3
49 111.9 79.2 147.2

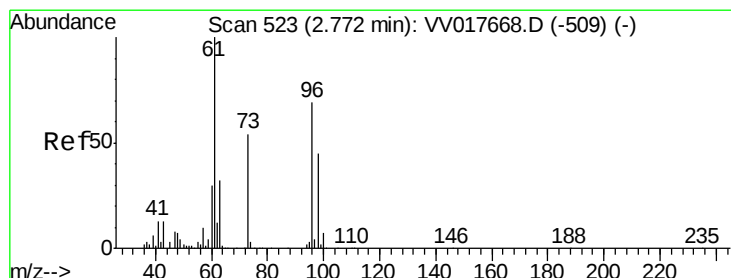
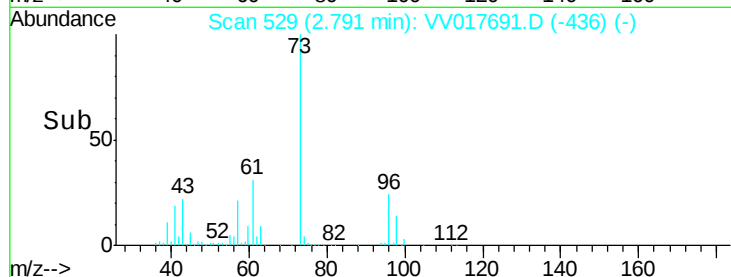
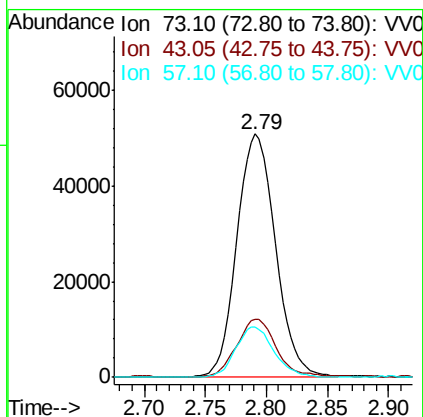
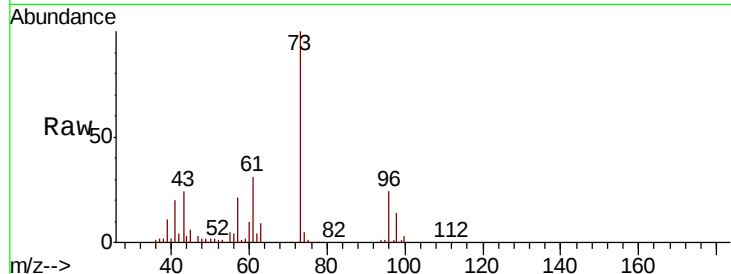




#17
Methvl tert-butvl Ether
Concen: 5.015 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

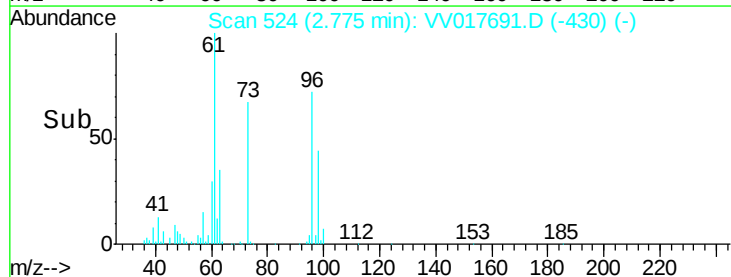
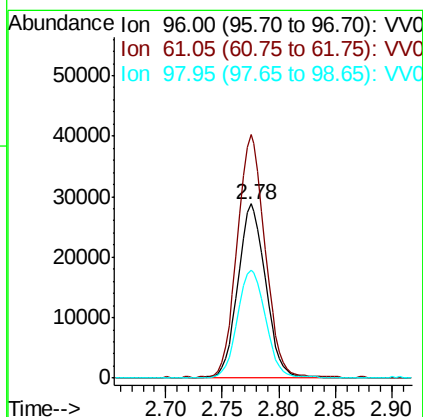
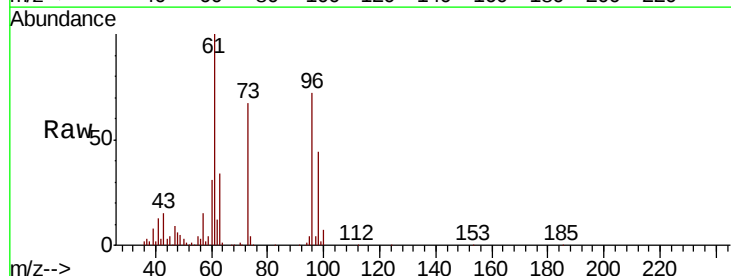
Instrument :
MSVOA_V
ClientSampleId :

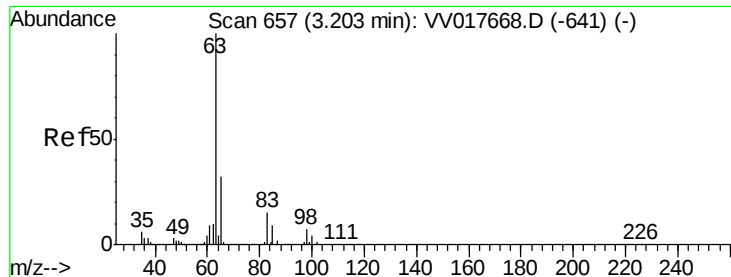
Tot Ion	Ratio	Lower	Upper
73	100		
43	24.5	18.3	27.5
57	20.7	16.7	25.1



#18
trans-1,2-Dichloroethene
Concen: 5.238 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.8	96.0	178.4
98	61.9	43.5	80.9

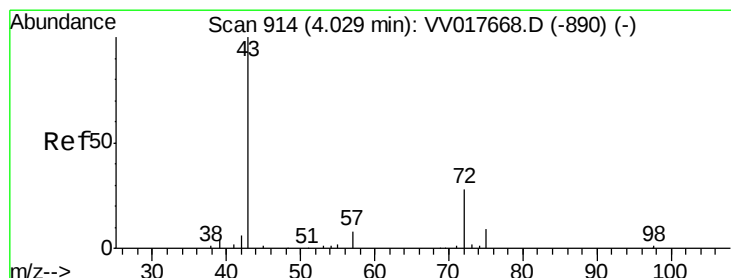
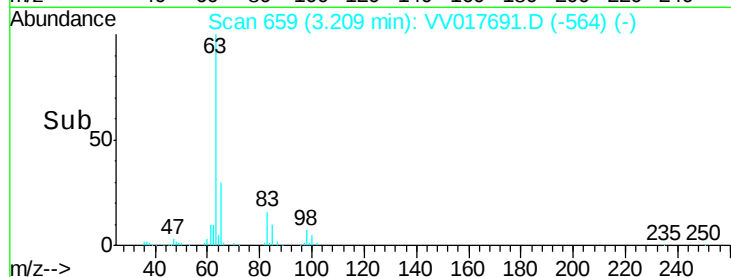
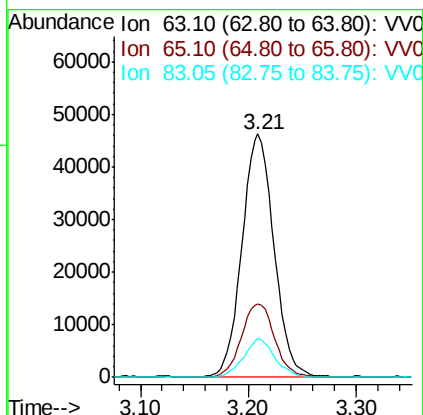
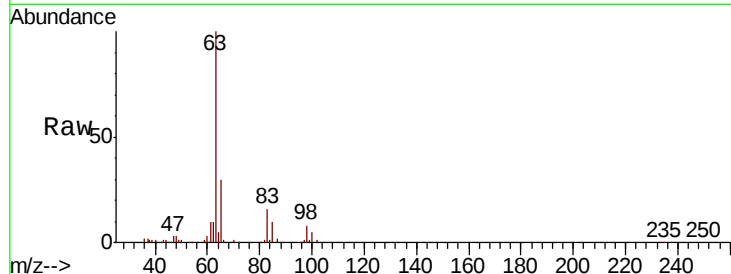




#19
 1,1-Dichloroethane
 Concen: 4.800 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

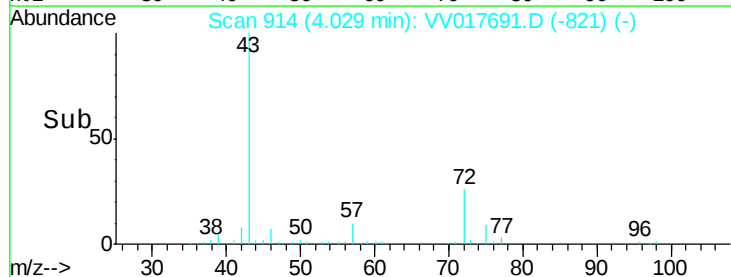
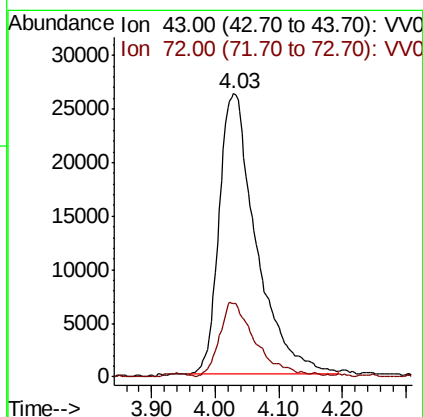
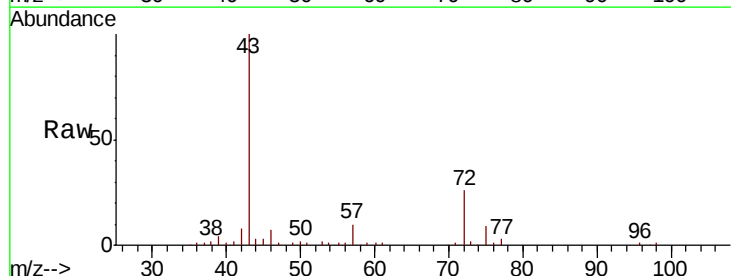
Instrument :
 MSVOA_V
 ClientSampleId :

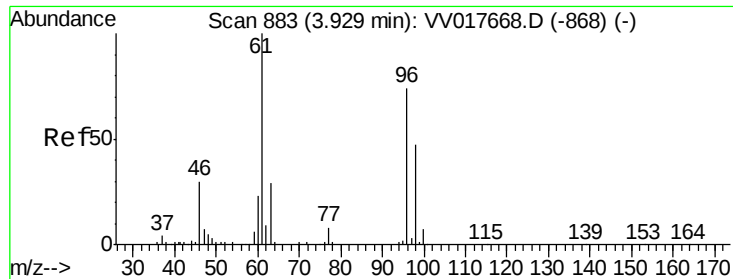
Tot Ion	63	Resp	95609
Ion	Ratio	Lower	Upper
63	100		
65	30.2	21.4	39.8
83	15.7	10.4	19.4



#21
 2-Butanone
 Concen: 43.653 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Tgt Ion	43	Resp	106399
Ion	Ratio	Lower	Upper
43	100		
72	24.6	13.0	38.9



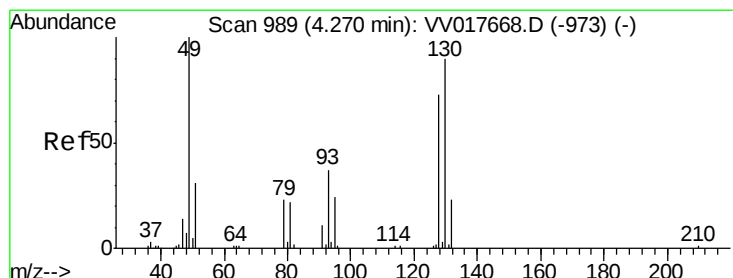
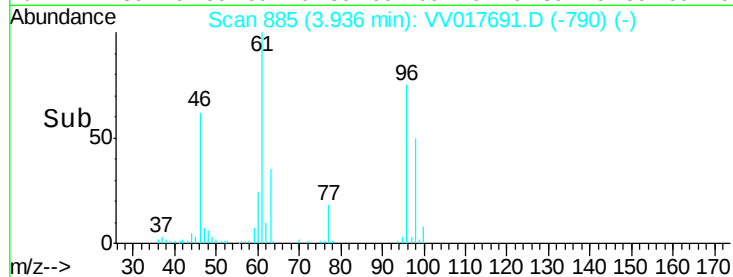
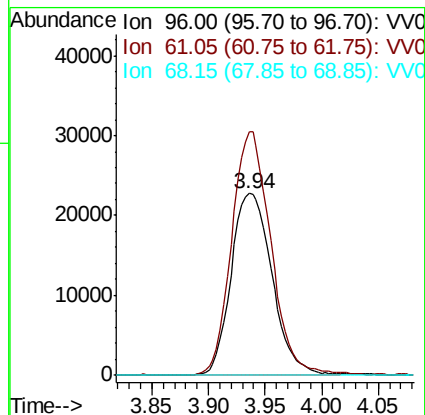
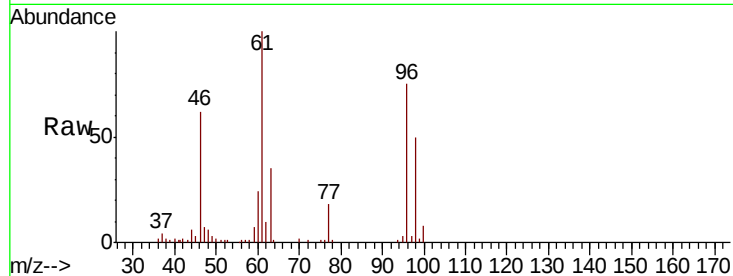


#22

cis-1,2-Dichloroethene
 Concen: 4.814 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.01 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Instrument :
 MSVOA_V
 ClientSampleId :

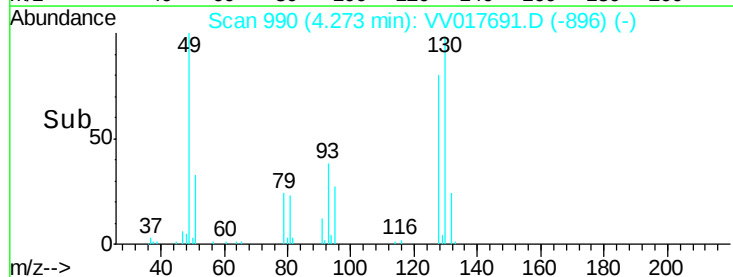
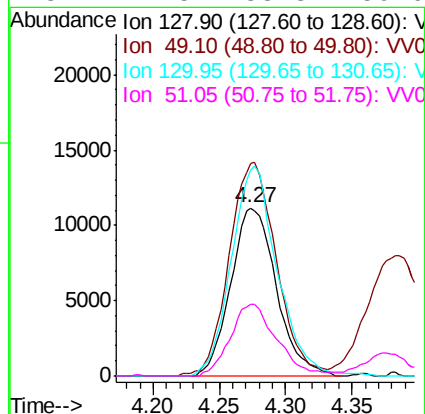
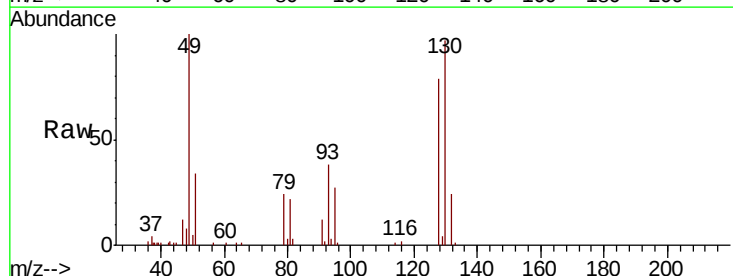
Tot Ion: 96 Resp: 57414
 Ion Ratio Lower Upper
 96 100
 61 133.8 89.6 166.4
 68 0.0 0.0 0.0

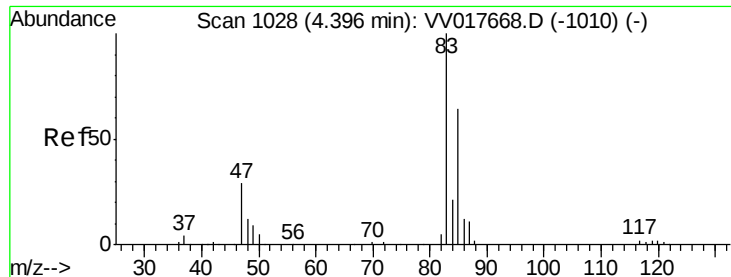


#23

Bromochloromethane
 Concen: 4.854 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Tgt Ion: 128 Resp: 26678
 Ion Ratio Lower Upper
 128 100
 49 126.5 92.2 171.2
 130 122.8 77.2 143.4
 51 42.5 33.8 50.6

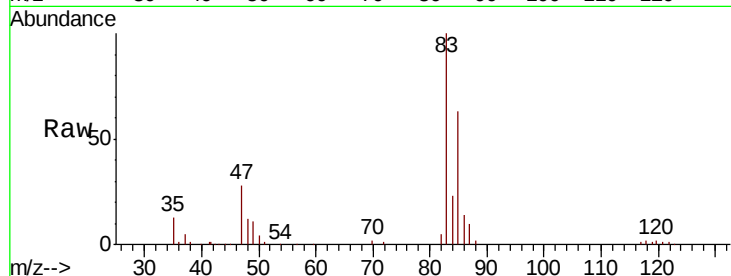




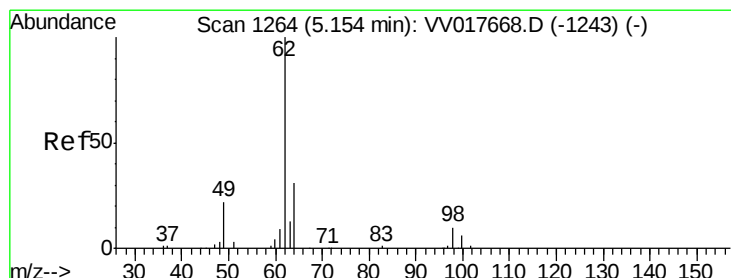
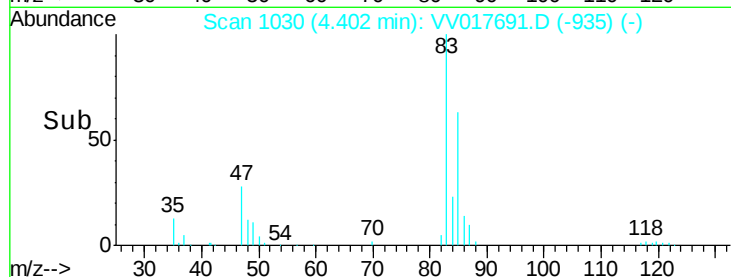
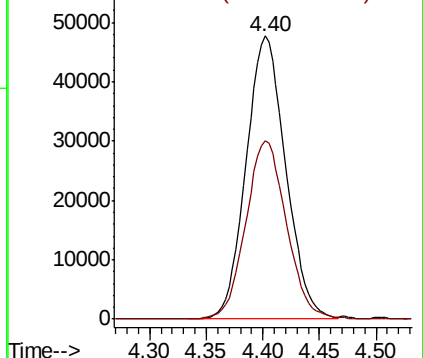
#25
Chloroform
Concen: 5.203 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 116313
Ion Ratio Lower Upper
83 100
85 62.9 47.3 87.9

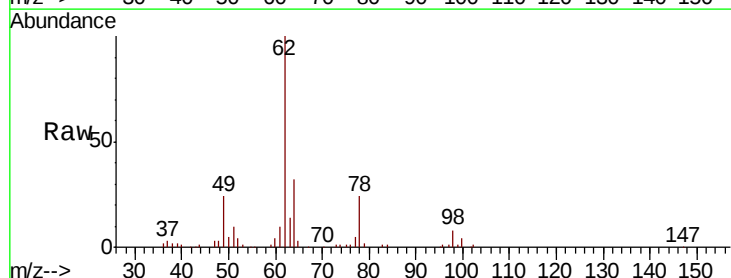


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

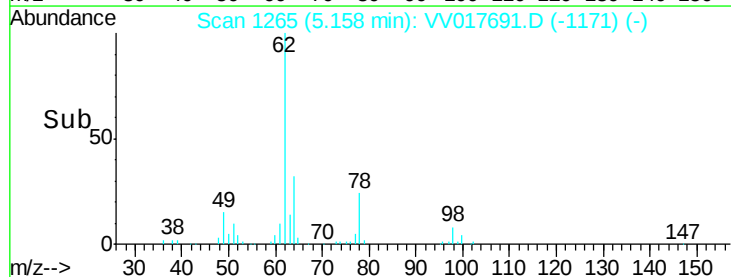
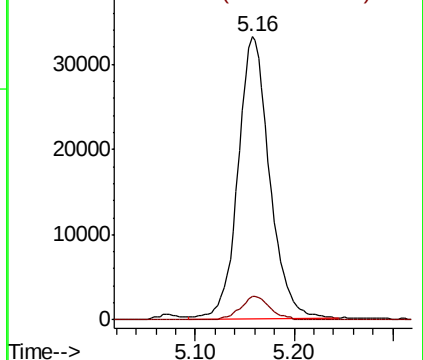


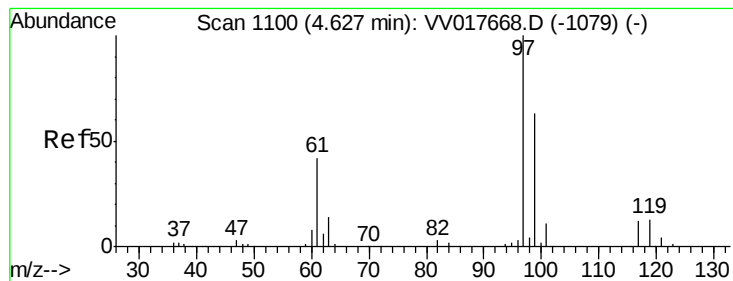
#27
1,2-Dichloroethane
Concen: 5.045 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Tgt Ion: 62 Resp: 73132
Ion Ratio Lower Upper
62 100
98 8.1 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0





#29

1,1,1-Trichloroethane

Concen: 5.138 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

Instrument :
MSVOA_V
ClientSampled :

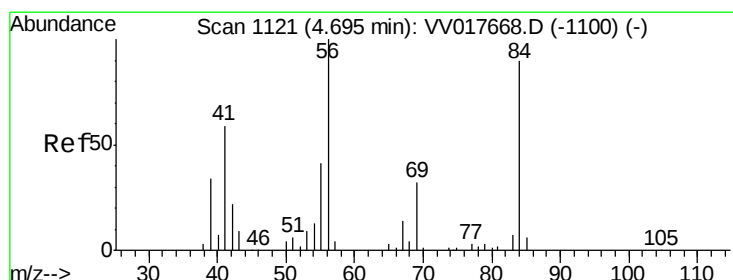
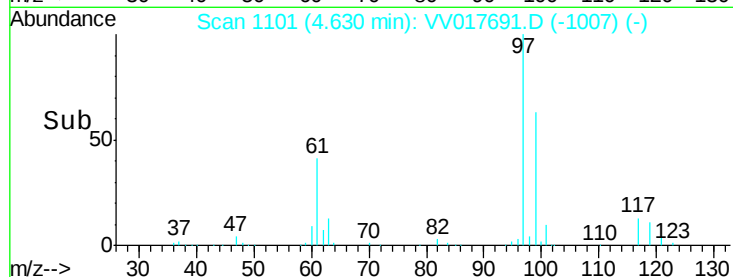
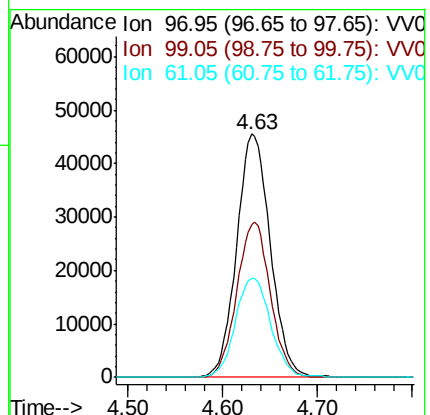
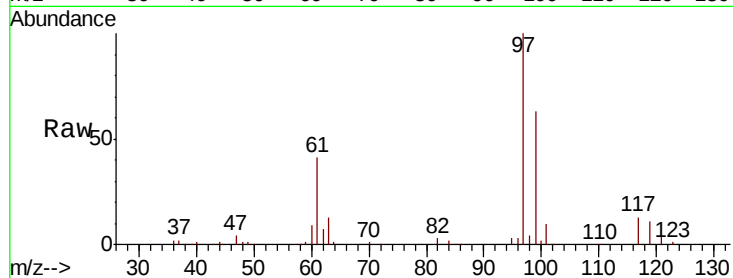
Tot Ion: 97 Resp: 112752

Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

61 42.8 35.7 53.5



#30

Cyclohexane

Concen: 4.420 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

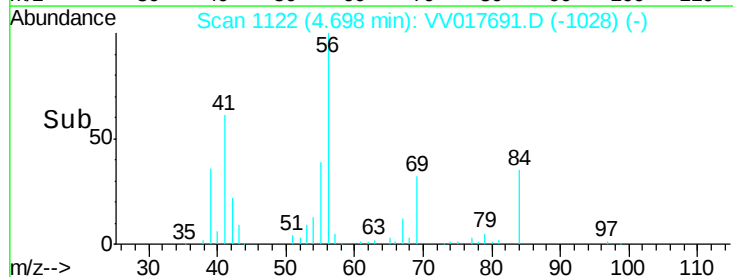
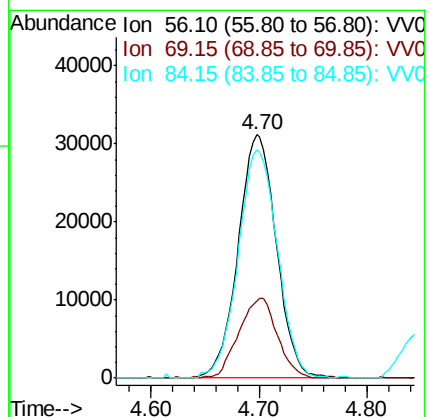
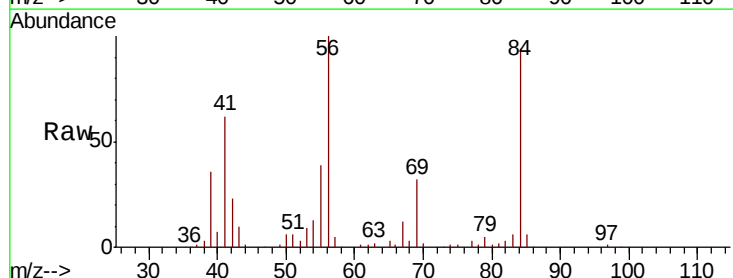
Tgt Ion: 56 Resp: 76847

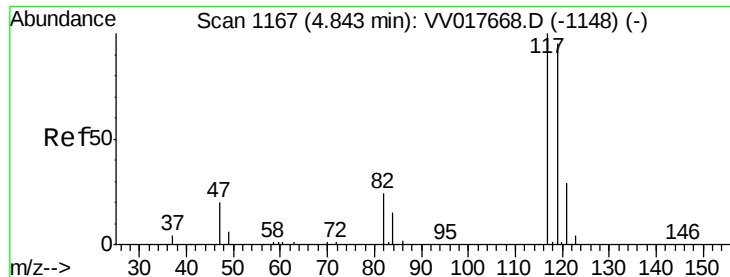
Ion Ratio Lower Upper

56 100

69 32.9 25.4 38.2

84 96.6 73.0 109.4

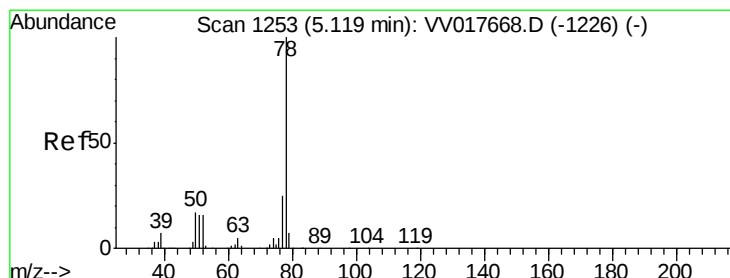
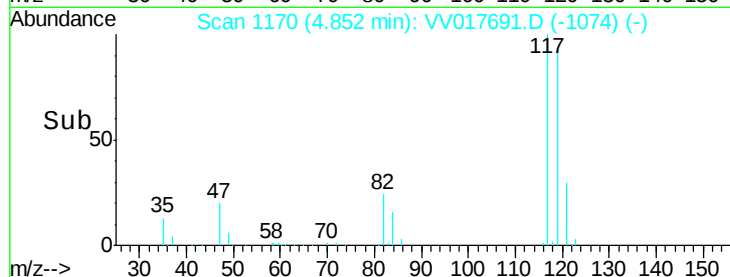
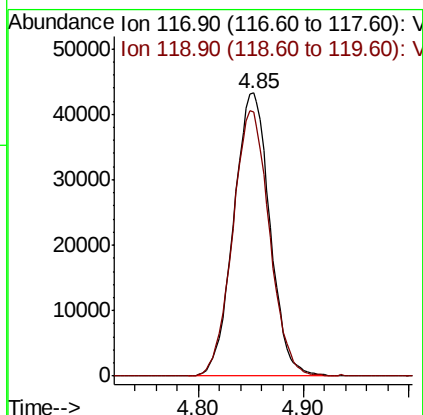
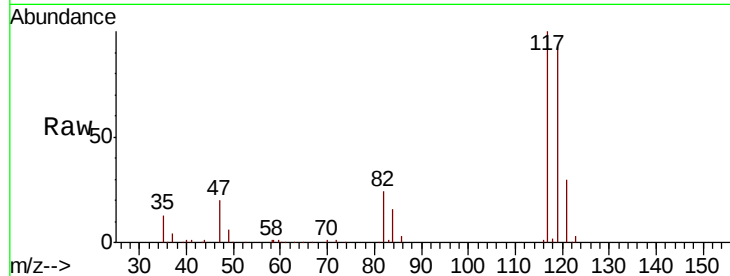




#31
Carbon tetrachloride
Concen: 5.271 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.01 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

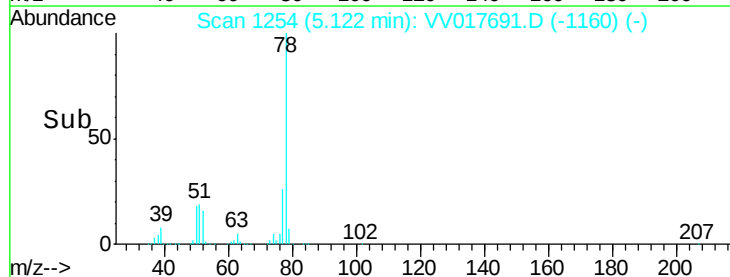
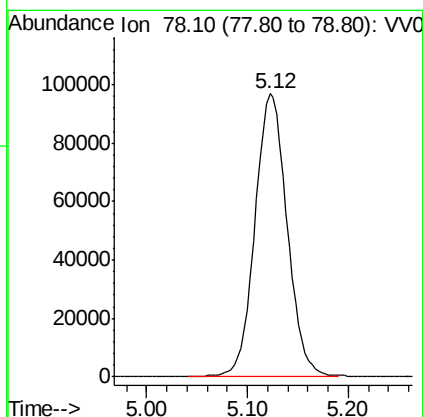
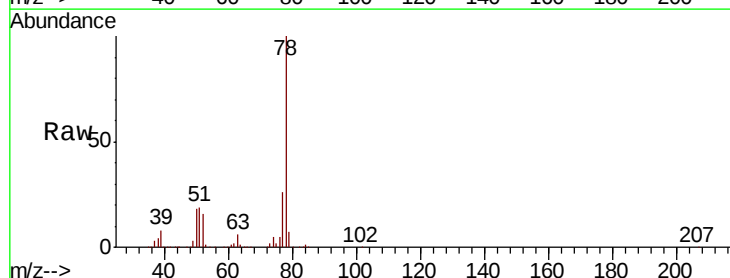
Instrument :
MSVOA_V
ClientSampleId :

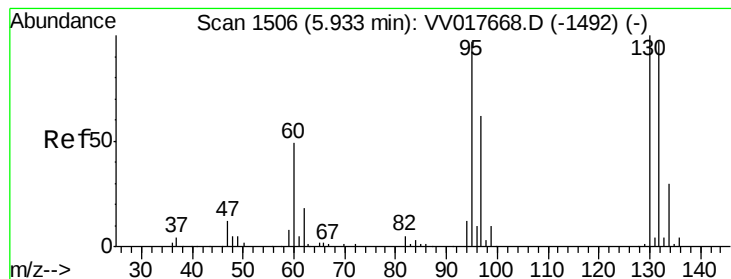
Tot Ion:117 Resp: 102883
Ion Ratio Lower Upper
117 100
119 95.3 76.9 115.3



#33
Benzene
Concen: 4.825 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Tgt Ion: 78 Resp: 214213





#34

Trichloroethene

Concen: 4.903 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 60806

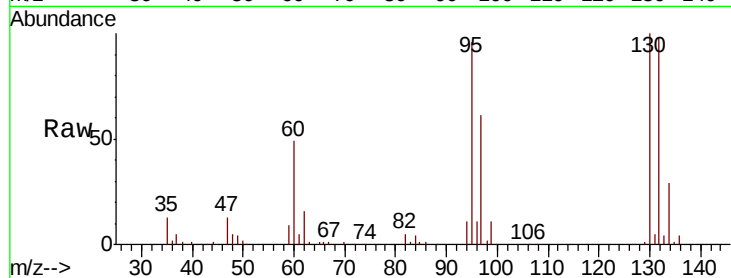
Ion Ratio Lower Upper

95 100

97 63.4 46.1 85.5

132 101.7 71.7 133.1

130 103.8 74.3 137.9

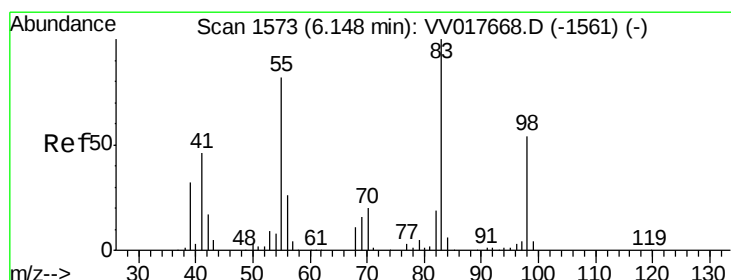
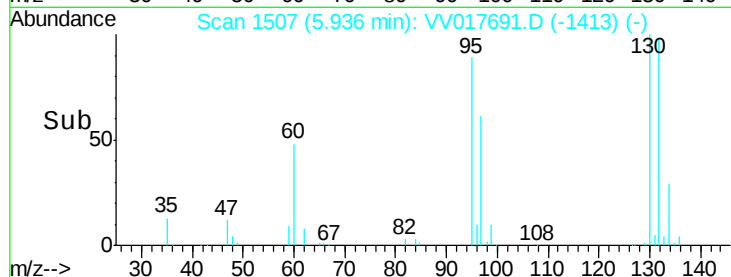
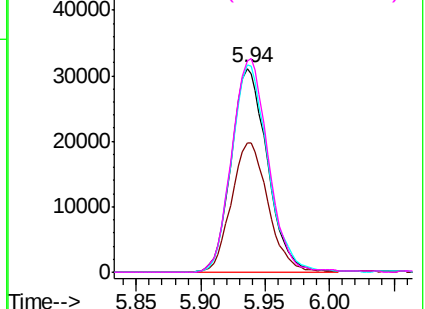


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.512 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

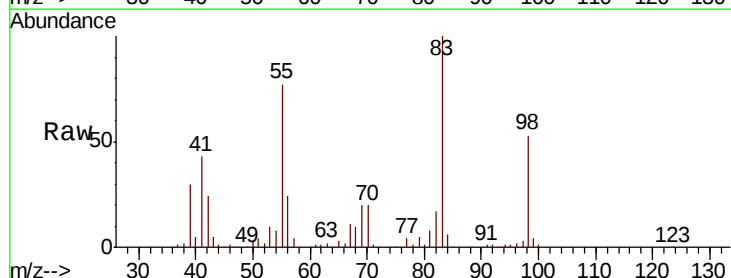
Tgt Ion: 83 Resp: 84643

Ion Ratio Lower Upper

83 100

55 77.8 61.8 92.8

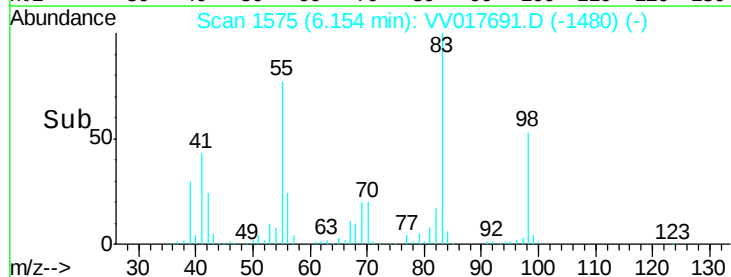
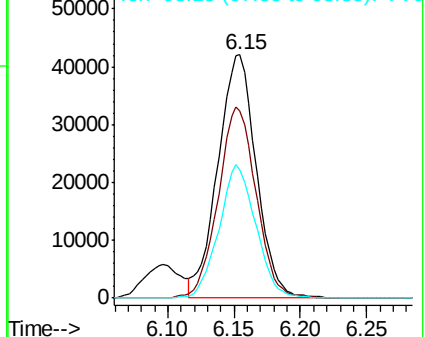
98 52.7 39.0 58.6

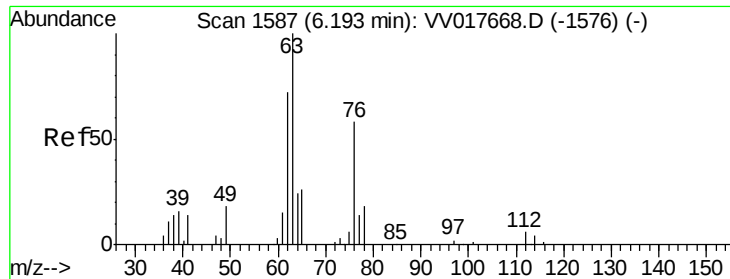


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

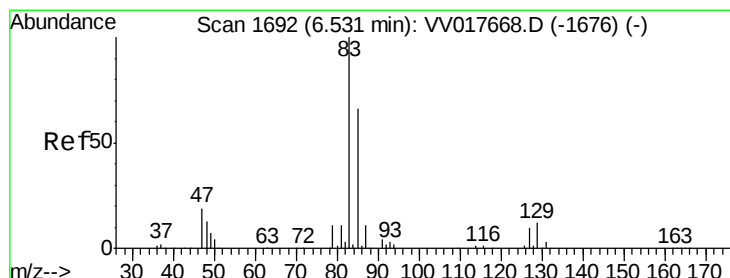
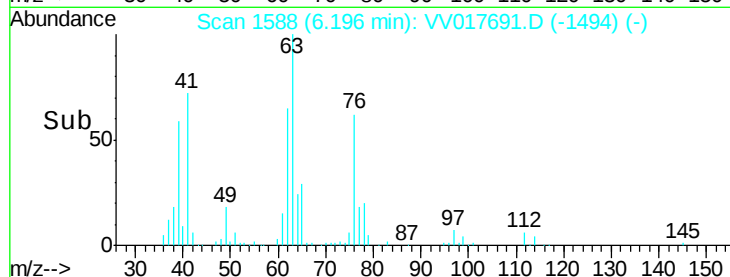
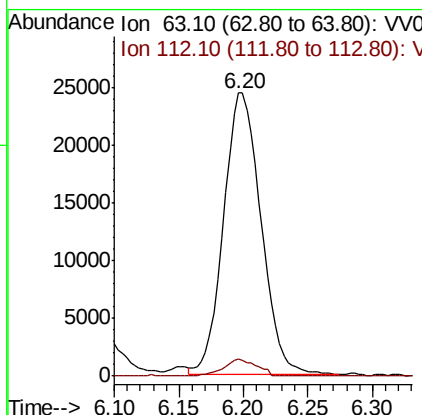
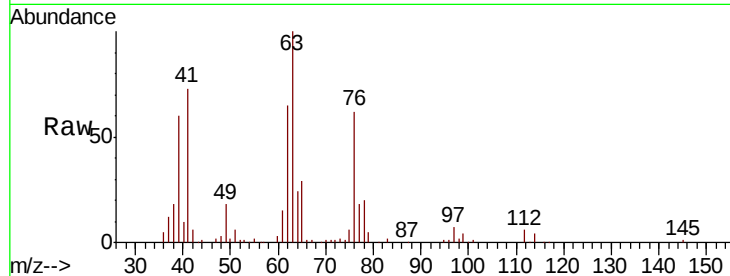




#37
 1,2-Dichloropropane
 Concen: 4.739 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

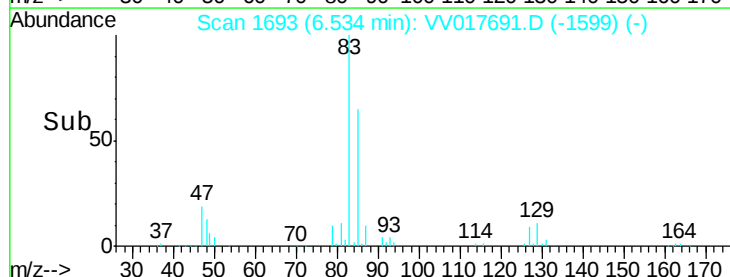
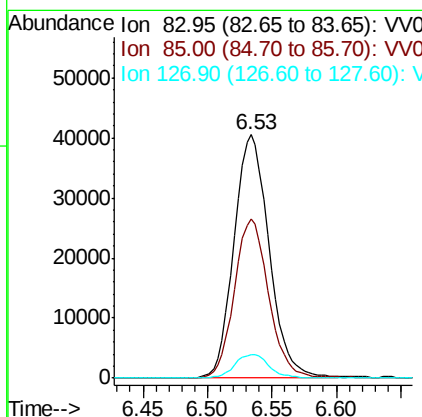
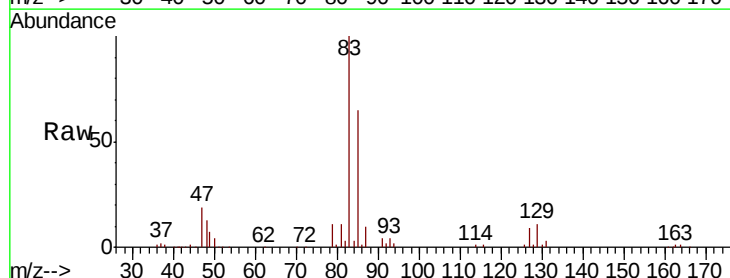
Instrument :
 MSVOA_V
 ClientSampled :

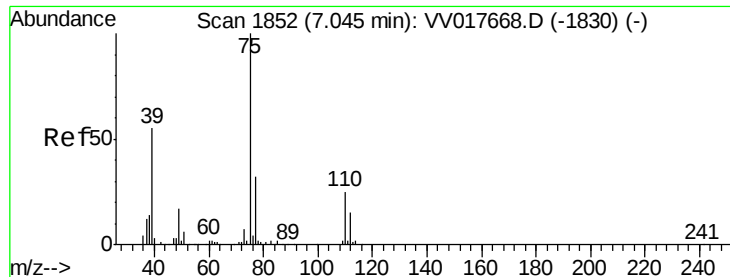
Tot Ion: 63 Resp: 49447
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.5 6.7



#38
 Bromodichloromethane
 Concen: 5.010 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Tgt Ion: 83 Resp: 76901
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.7 83.1
 127 9.5 7.4 11.0



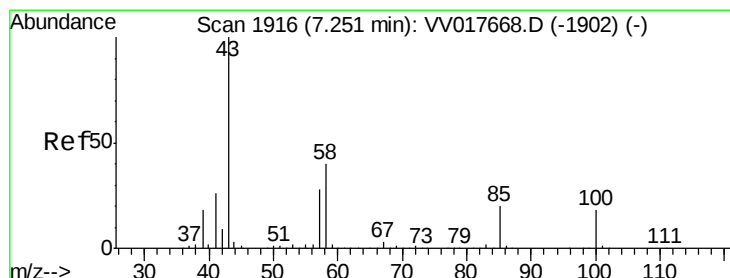
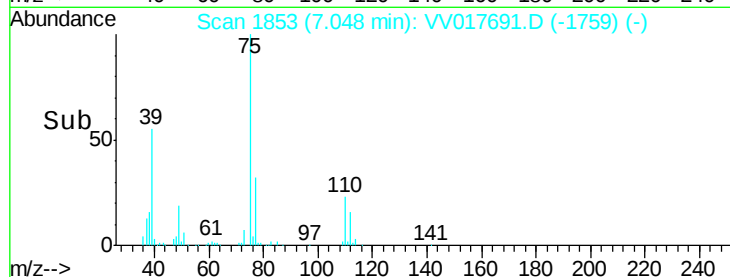
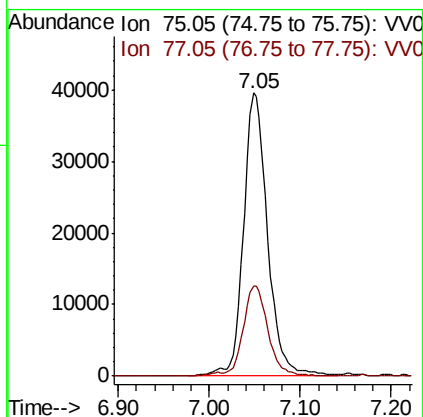
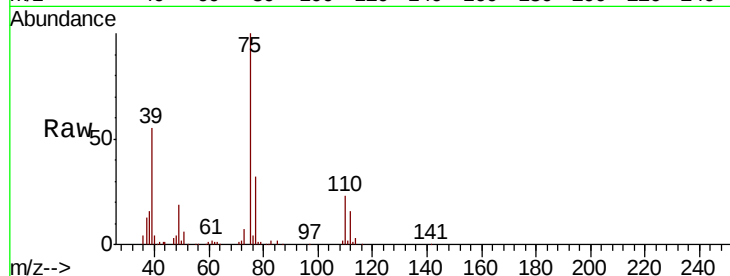


#39

cis-1,3-Dichloropropene
 Concen: 4.623 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Instrument :
 MSVOA_V
 ClientSampled :

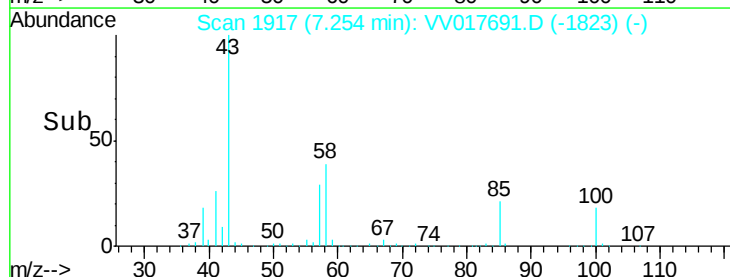
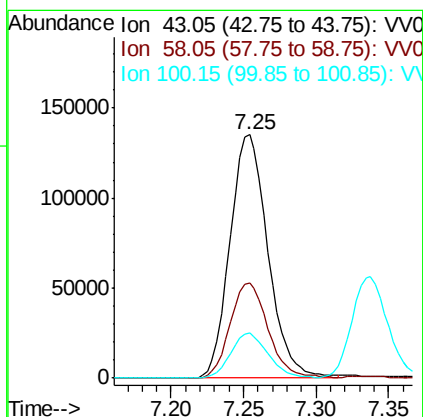
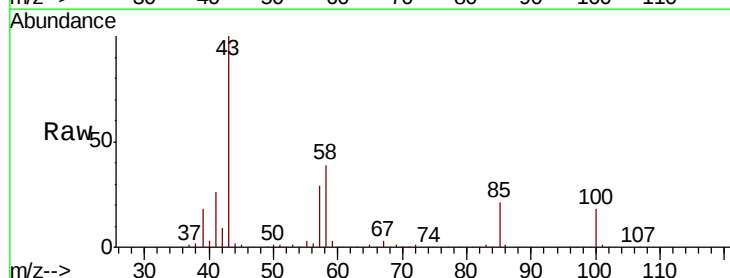
Tot Ion: 75 Resp: 72749
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.2 43.2

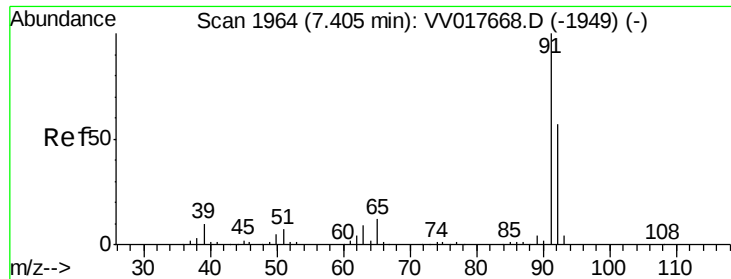


#40

4-Methyl-2-pentanone
 Concen: 42.974 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Tgt Ion: 43 Resp: 245835
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.2 46.8
 100 18.1 13.6 20.4





#42

Toluene

Concen: 4.966 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

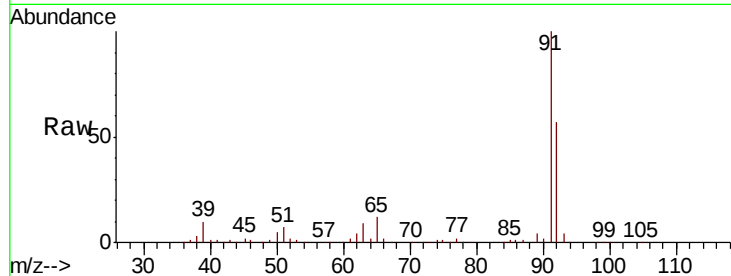
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 240490

Ion Ratio Lower Upper

91 100

92 56.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017668.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017668.D (-1949) (-)

7.41

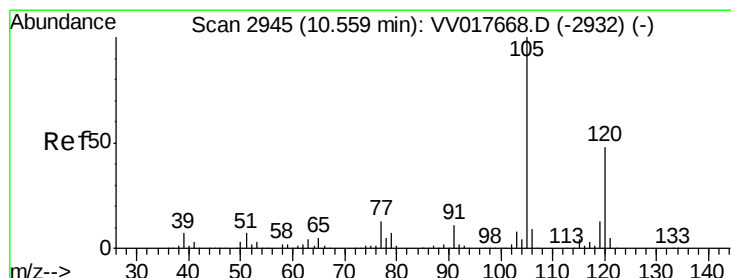
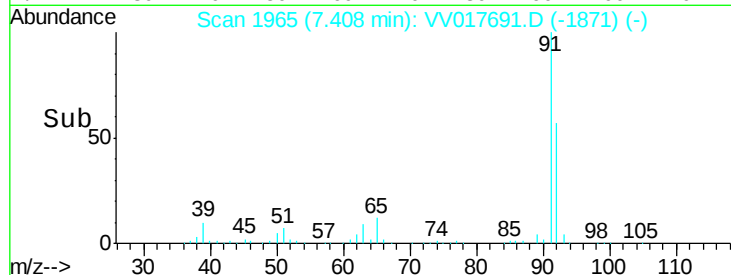
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.093 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017691.D

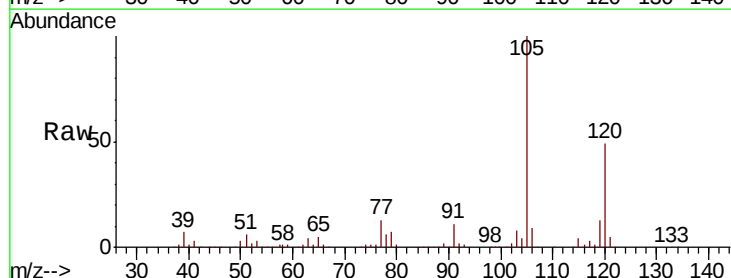
Acq: 27 Jul 2020 20:42

Tgt Ion:105 Resp: 230299

Ion Ratio Lower Upper

105 100

120 49.1 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017668.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017668.D (-2932) (-)

10.56

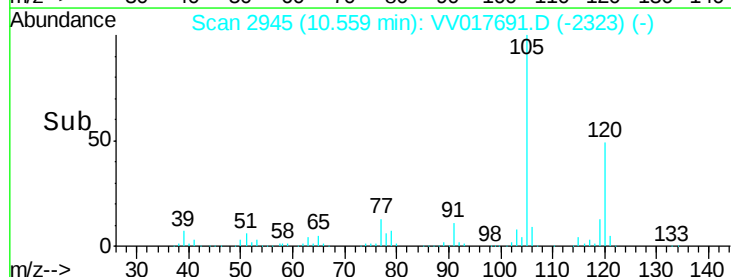
150000

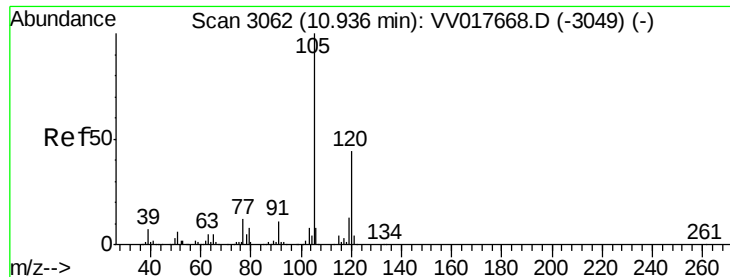
100000

50000

0

Time-->

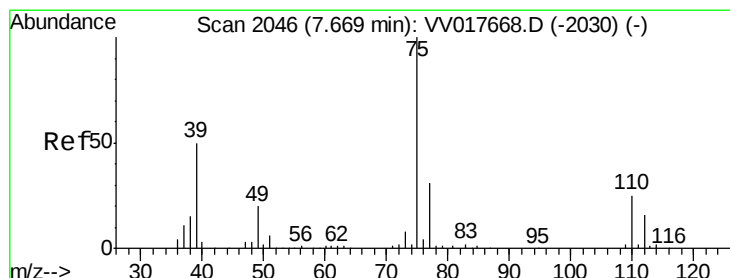
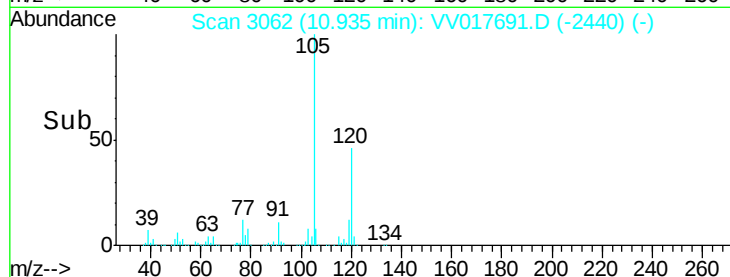
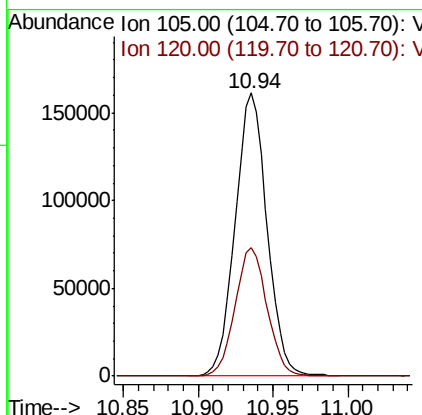
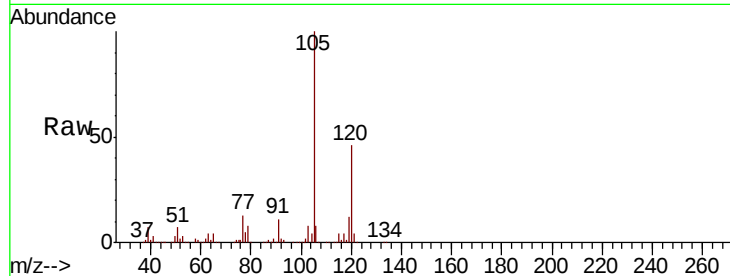




#44
 1,2,4-Trimethylbenzene
 Concen: 5.174 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

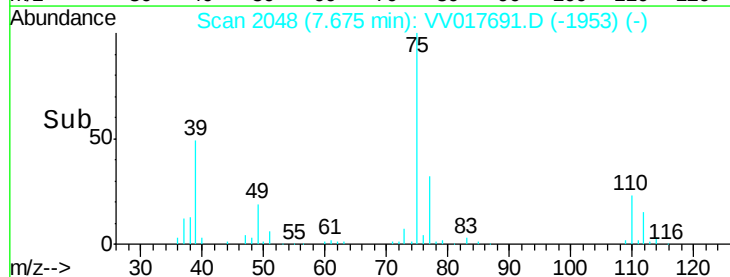
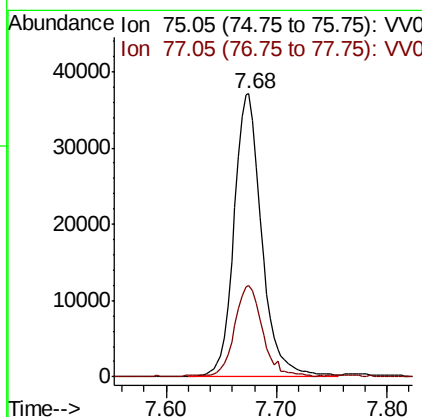
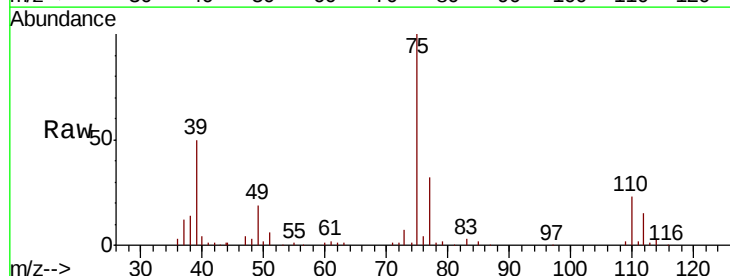
Instrument :
 MSVOA_V
 ClientSampleId :

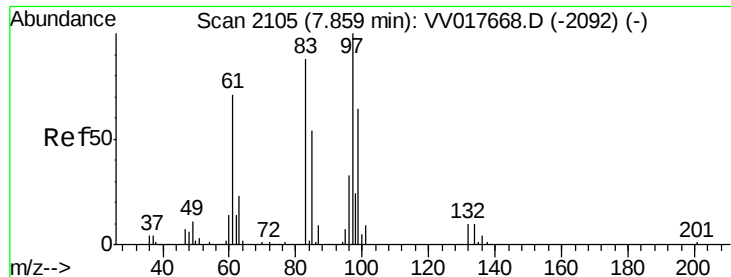
Tot Ion:105 Resp: 239014
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 4.584 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.01 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Tgt Ion: 75 Resp: 64760
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.5 41.7

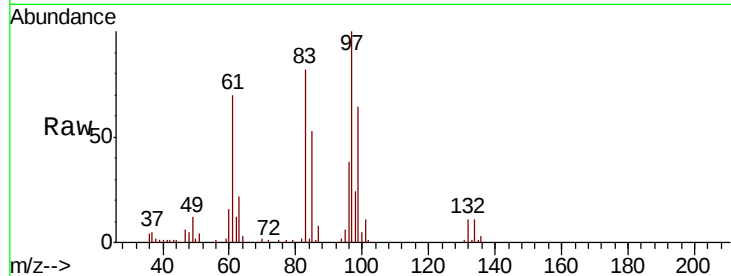




#47
 1,1,2-Trichloroethane
 Concen: 4.615 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	36516
Ion	Ratio	Lower	Upper
97	100		
99	64.4	39.5	73.4
83	82.4	52.6	97.6
85	53.5	35.1	65.1

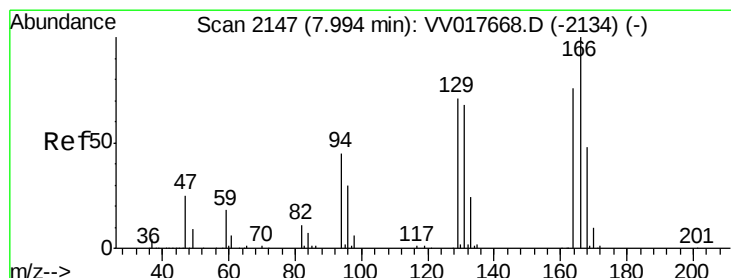
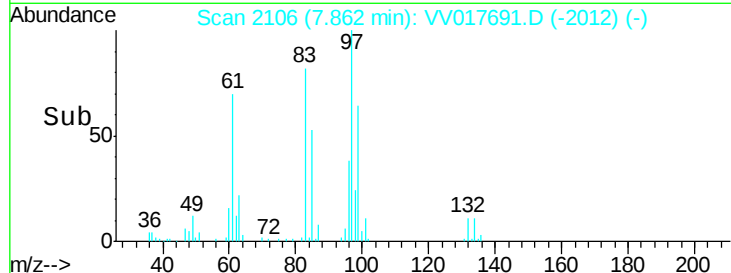
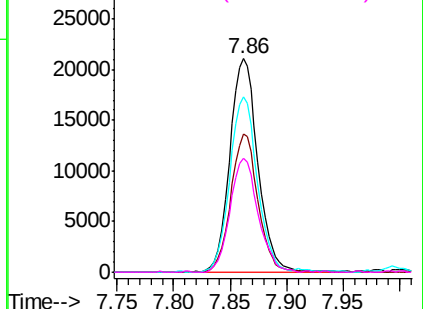


Abundance Ion 96.95 (96.65 to 97.65): VV017668.D (-2092) (-)

Ion 99.05 (98.75 to 99.75): VV017668.D (-2092) (-)

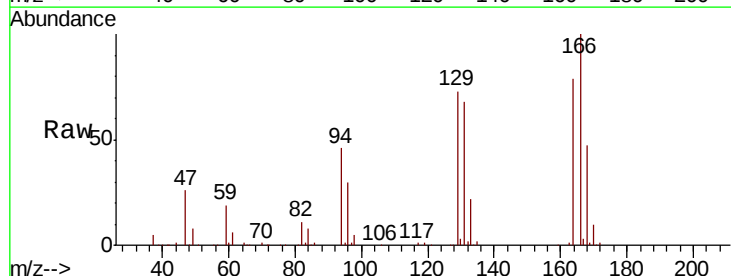
Ion 82.95 (82.65 to 83.65): VV017668.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV017668.D (-2092) (-)



#49
 Tetrachloroethene
 Concen: 4.988 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Tgt Ion:	164	Resp:	54530
Ion	Ratio	Lower	Upper
164	100		
129	91.6	65.0	120.8
131	86.3	63.6	118.2
166	126.2	91.7	170.3

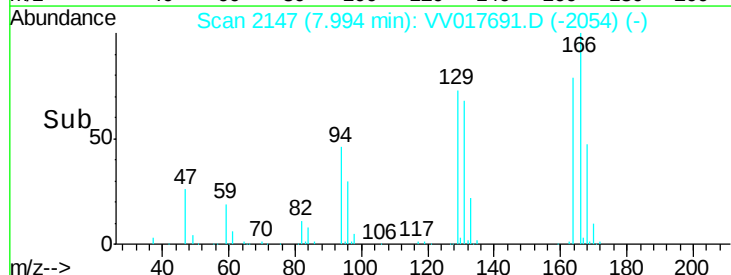
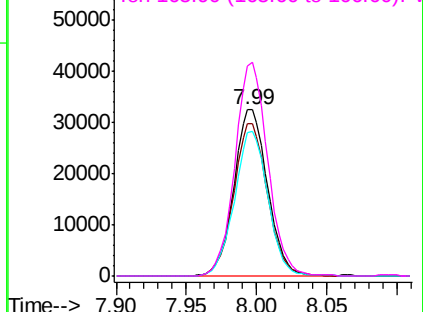


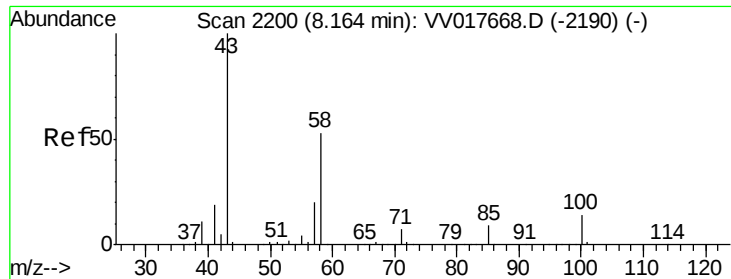
Abundance Ion 163.90 (163.60 to 164.60): VV017668.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV017668.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV017668.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV017668.D (-2134) (-)

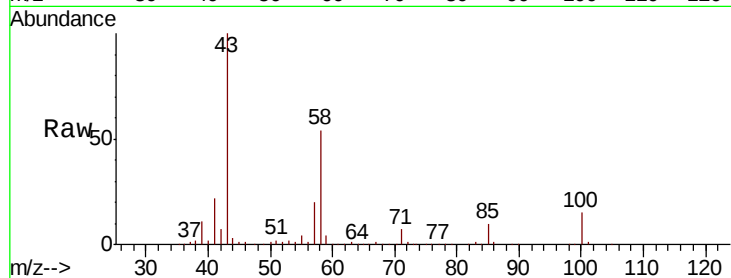




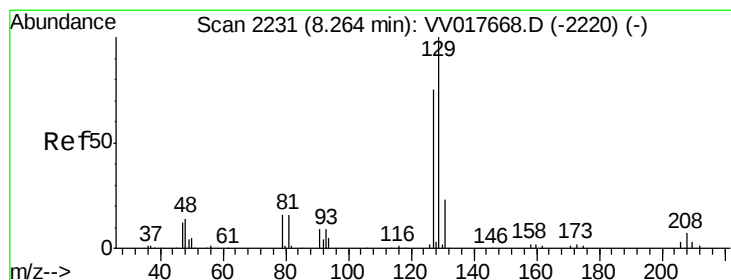
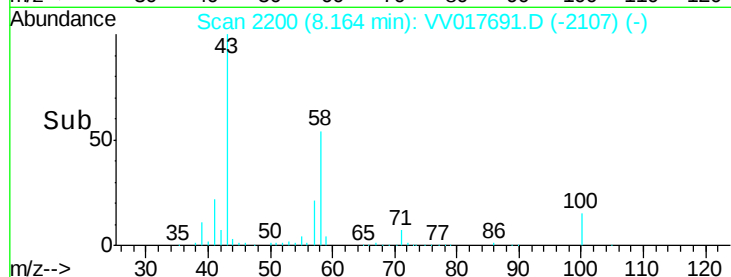
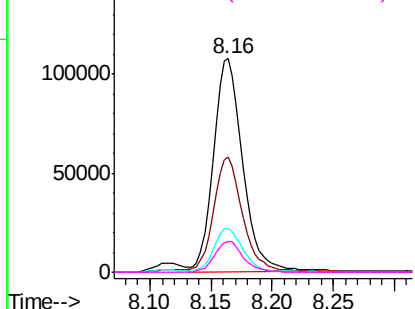
#50
2-Hexanone
Concen: 44.741 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 181095
Ion Ratio Lower Upper
43 100
58 53.8 41.6 62.4
57 20.2 15.4 23.0
100 13.9 11.2 16.8

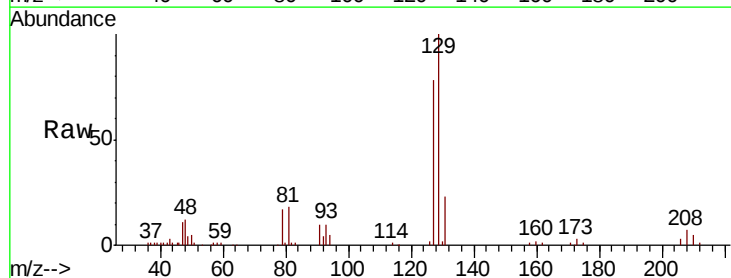


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

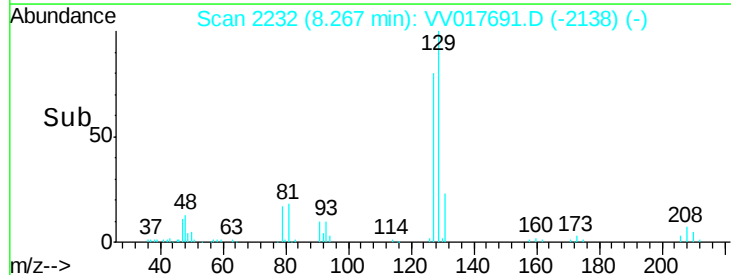
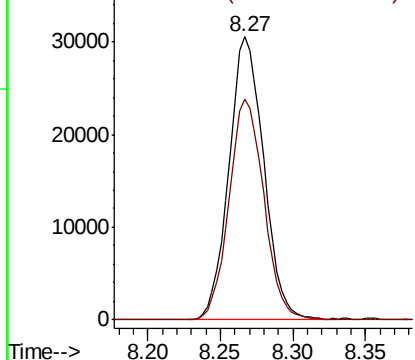


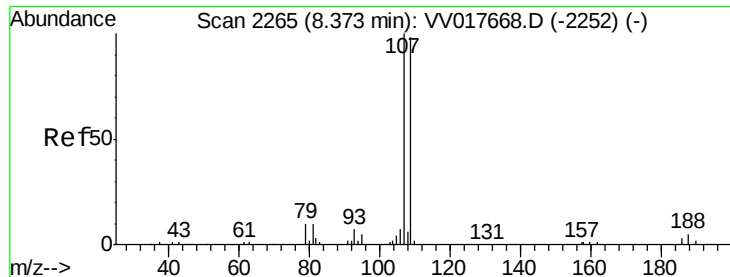
#51
Dibromochloromethane
Concen: 5.052 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Tgt Ion: 129 Resp: 50875
Ion Ratio Lower Upper
129 100
127 78.0 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 4.642 ug/L

RT: 8.38 min Scan# 2266

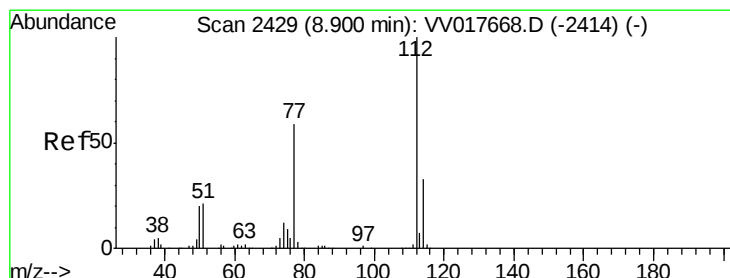
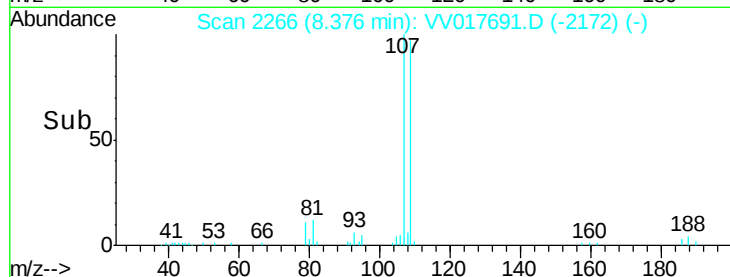
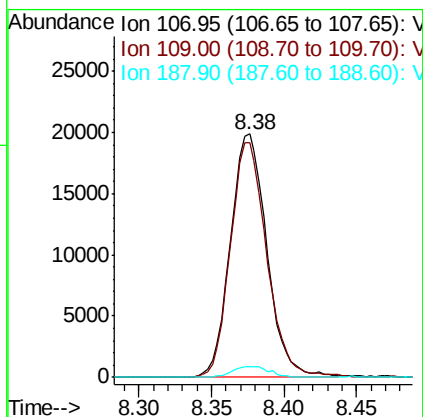
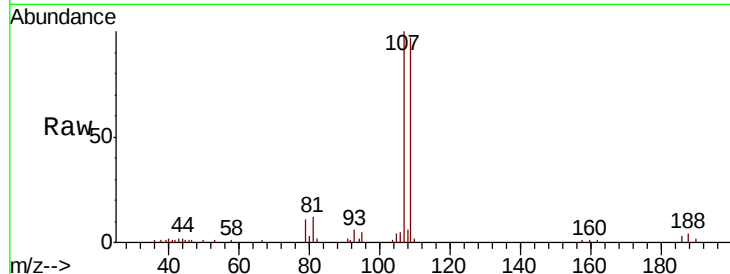
Delta R.T. 0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	107	Resp:	34658
Ion	Ratio	Lower	Upper
107	100		
109	96.5	65.5	121.7
188	4.5	3.7	5.5



#53

Chlorobenzene

Concen: 4.898 ug/L

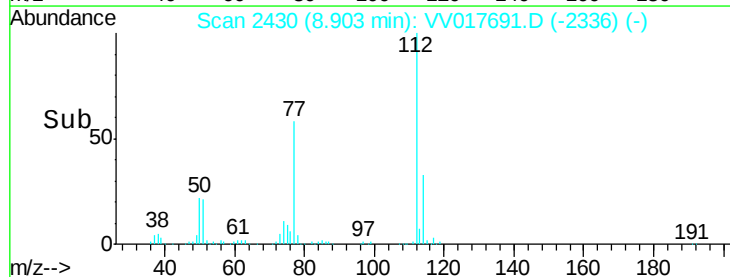
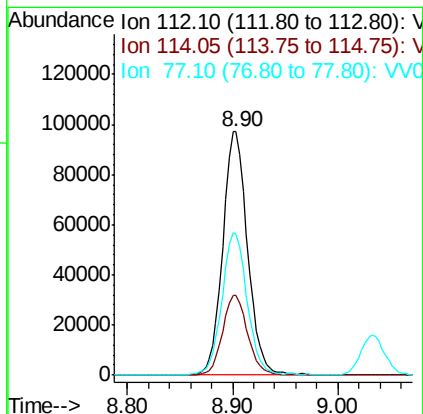
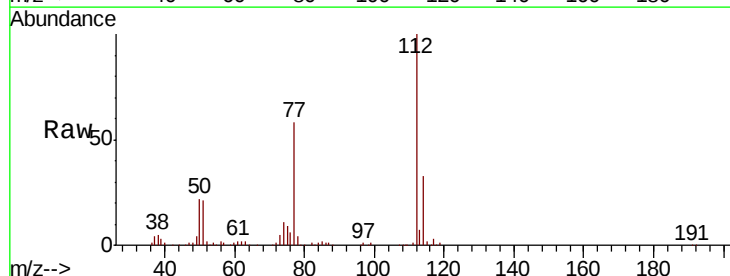
RT: 8.90 min Scan# 2430

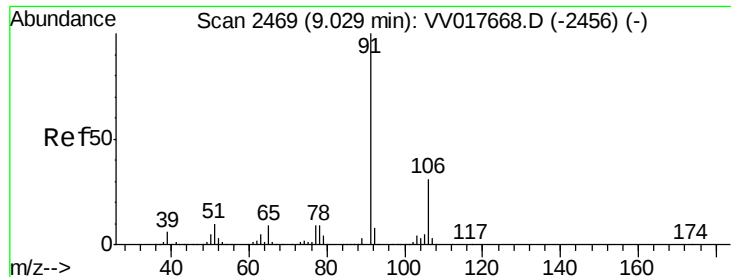
Delta R.T. 0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

Tgt Ion:	112	Resp:	158161
Ion	Ratio	Lower	Upper
112	100		
114	32.6	23.2	43.2
77	58.1	45.6	68.4

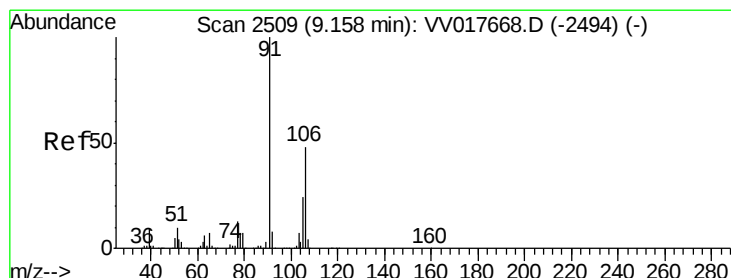
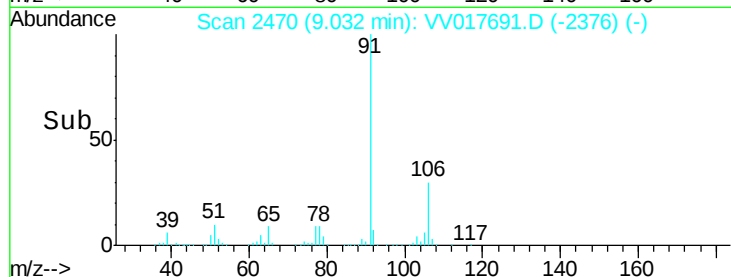
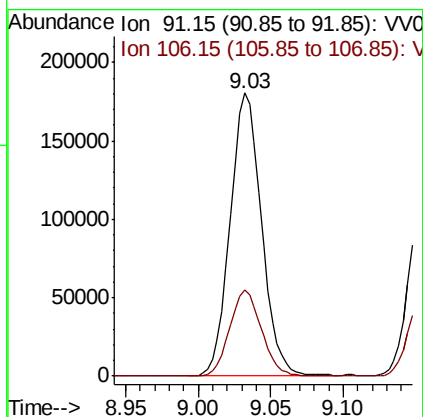
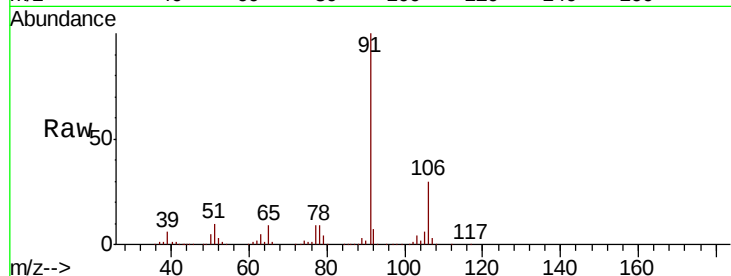




#54
Ethylbenzene
Concen: 5.017 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

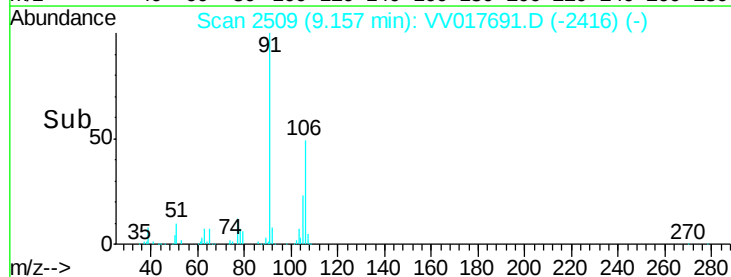
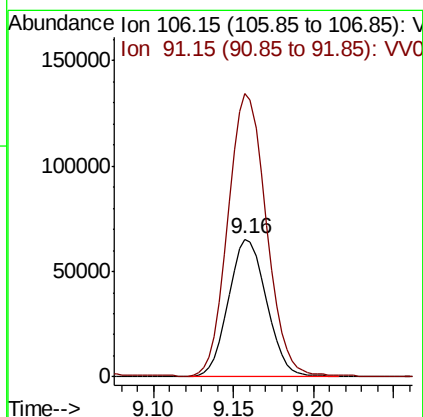
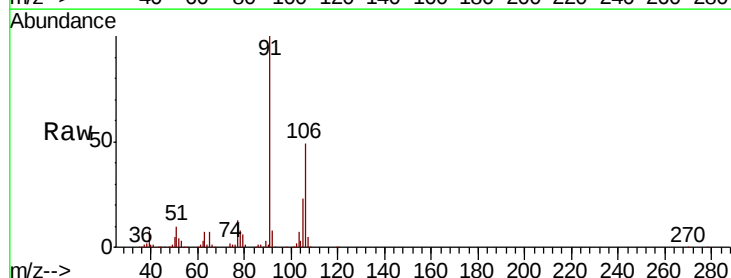
Instrument :
MSVOA_V
ClientSampleId :

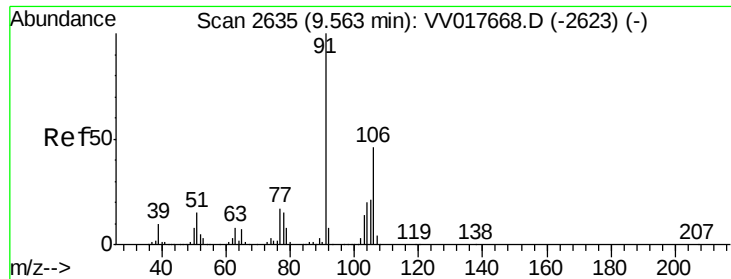
Tot Ion: 91 Resp: 272050
Ion Ratio Lower Upper
91 100
106 30.3 21.6 40.2



#55
m,p-xylene
Concen: 5.196 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Tgt Ion: 106 Resp: 106111
Ion Ratio Lower Upper
106 100
91 205.4 141.3 262.3

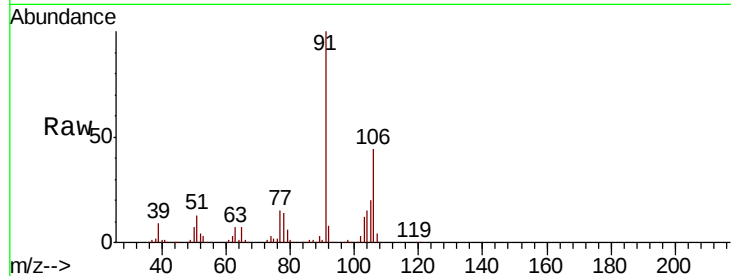




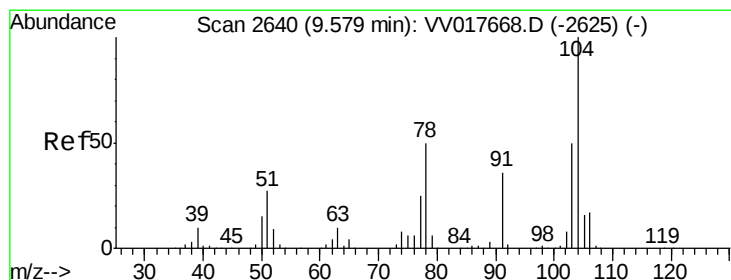
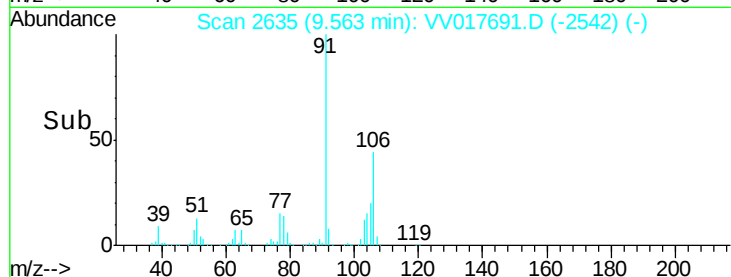
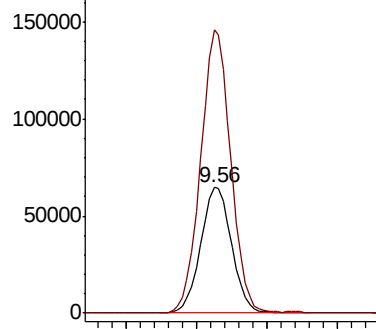
#56
o-xylene
Concen: 5.014 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 99363
Ion Ratio Lower Upper
106 100
91 225.3 153.9 285.7

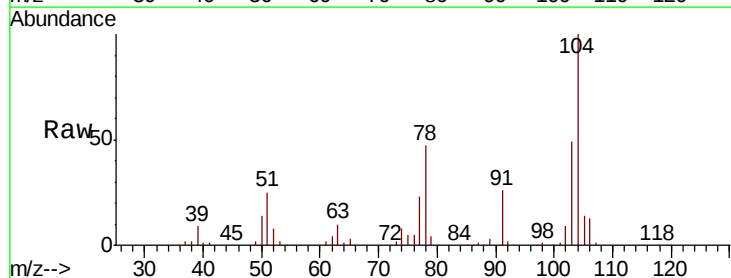


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

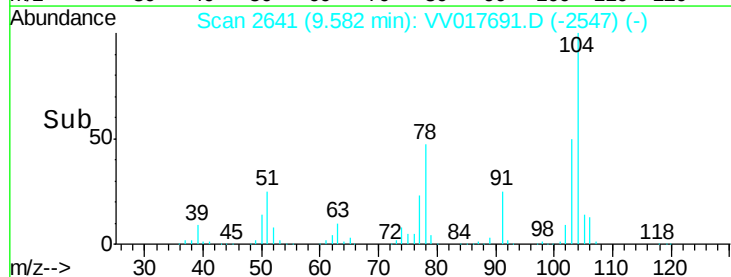
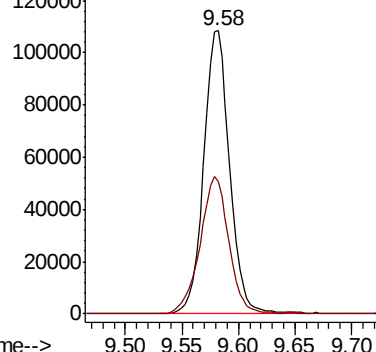


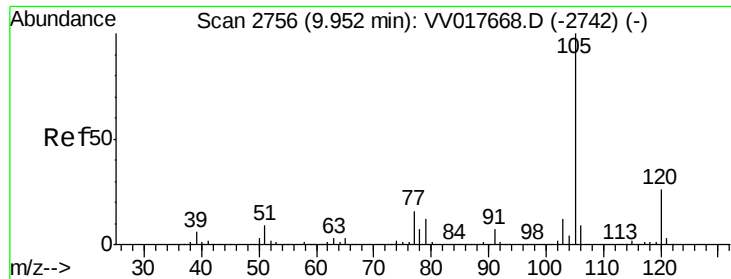
#57
Styrene
Concen: 5.221 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Tgt Ion:104 Resp: 172651
Ion Ratio Lower Upper
104 100
78 46.9 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.154 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_V

ClientSampleId :

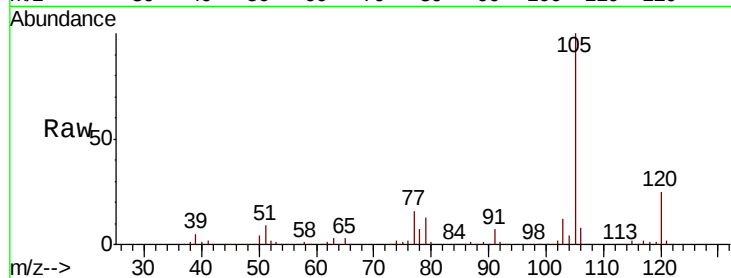
Tot Ion:105 Resp: 281748

Ion Ratio Lower Upper

105 100

120 25.4 21.1 31.7

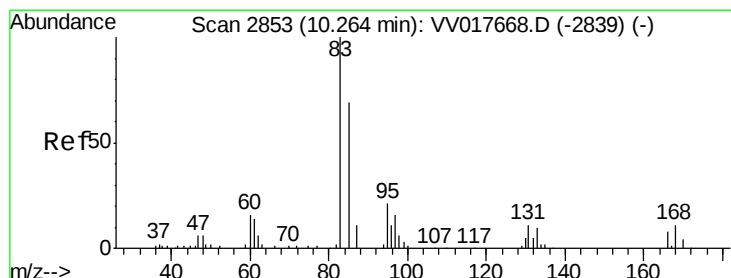
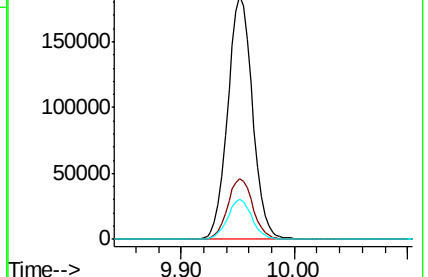
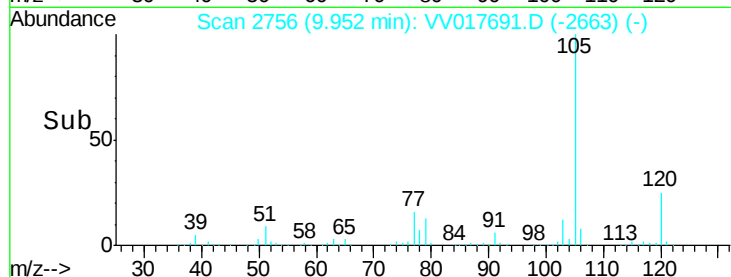
77 16.3 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 4.359 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

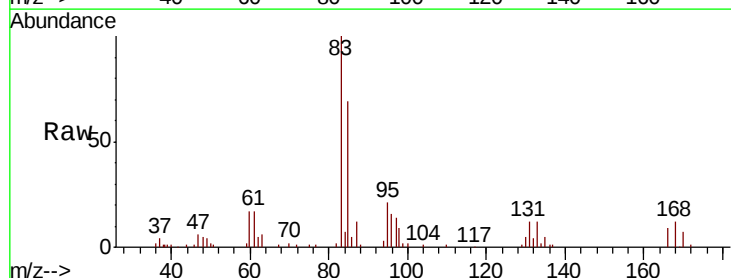
Tgt Ion: 83 Resp: 37580

Ion Ratio Lower Upper

83 100

85 68.6 44.4 82.5

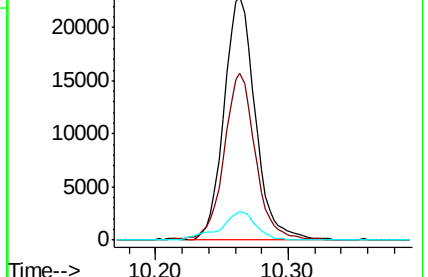
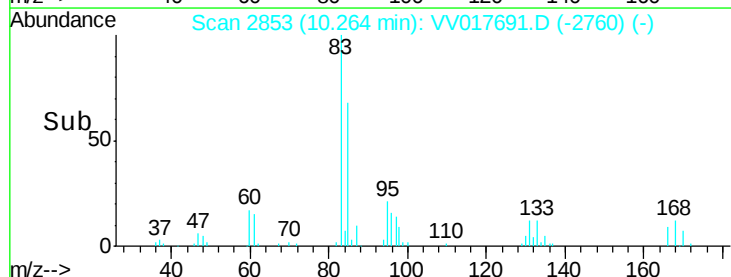
131 11.5 9.2 13.8

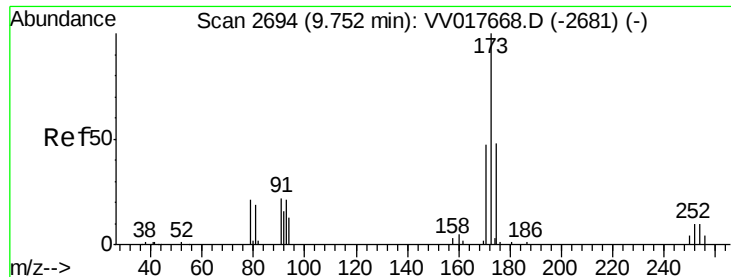


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.639 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

Instrument :
MSVOA_V
ClientSampleId :

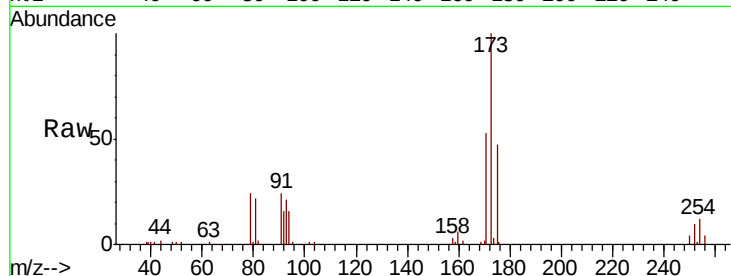
Tot Ion:173 Resp: 26528

Ion Ratio Lower Upper

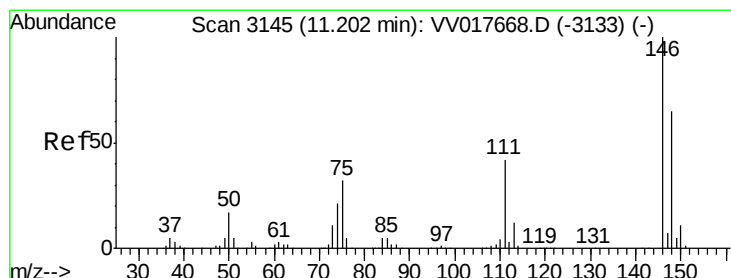
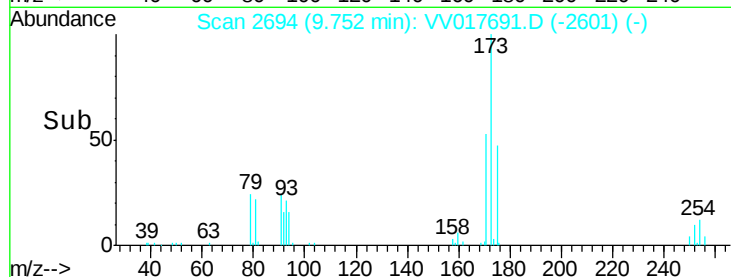
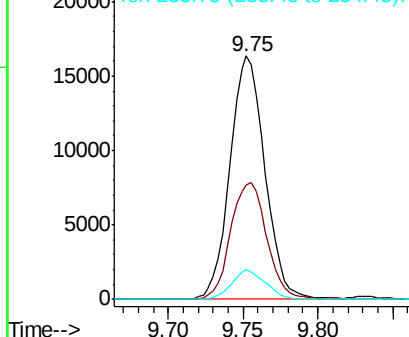
173 100

175 49.6 39.6 59.4

254 11.6 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.881 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

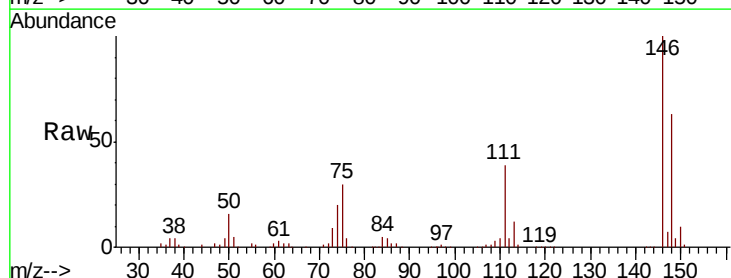
Tgt Ion:146 Resp: 140437

Ion Ratio Lower Upper

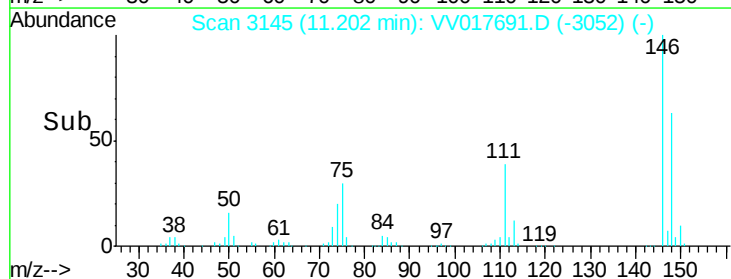
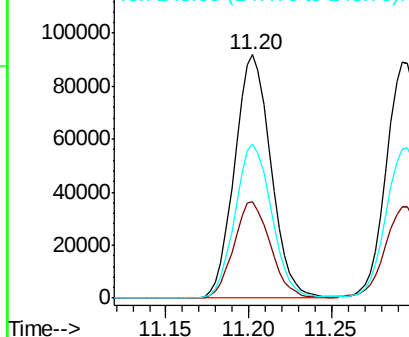
146 100

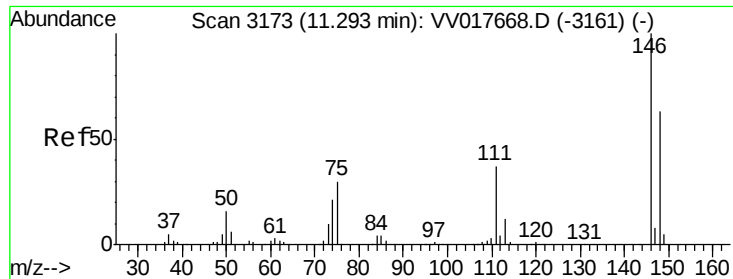
111 39.4 27.3 50.7

148 63.1 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.815 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_V

ClientSampled :

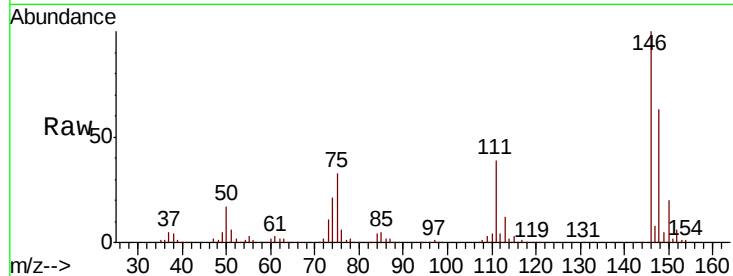
Tot Ion:146 Resp: 139026

Ion Ratio Lower Upper

146 100

111 38.9 27.4 51.0

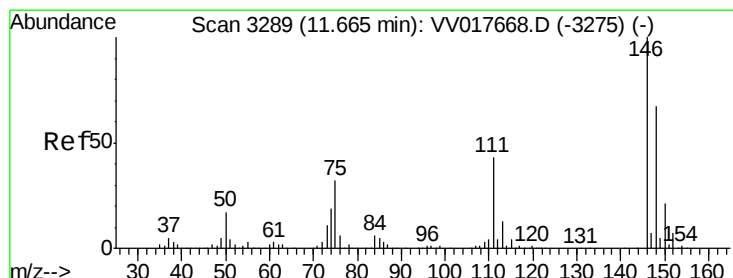
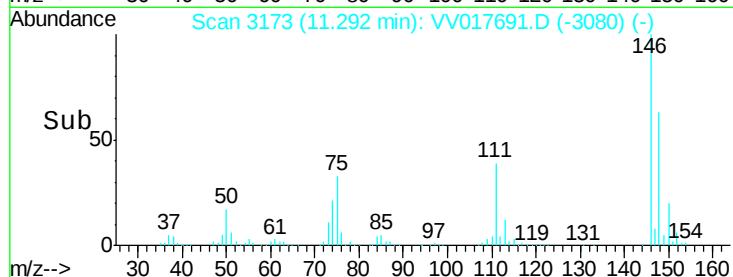
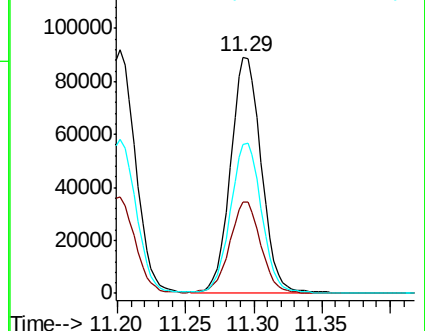
148 63.0 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 4.834 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017691.D

Acq: 27 Jul 2020 20:42

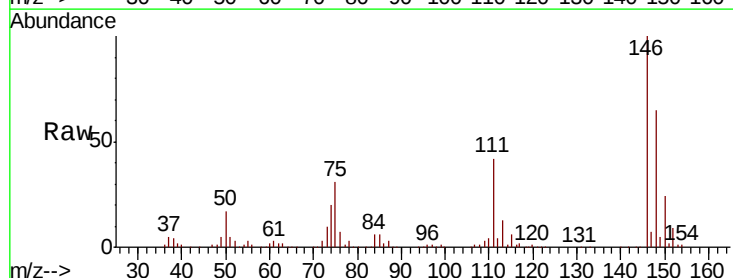
Tgt Ion:146 Resp: 126696

Ion Ratio Lower Upper

146 100

111 42.5 33.0 49.4

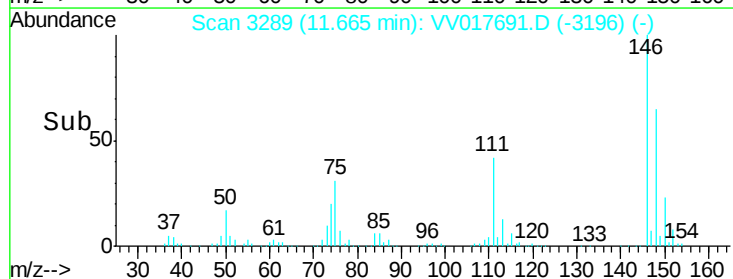
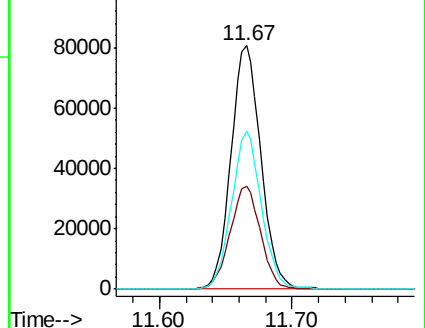
148 65.0 49.9 74.9

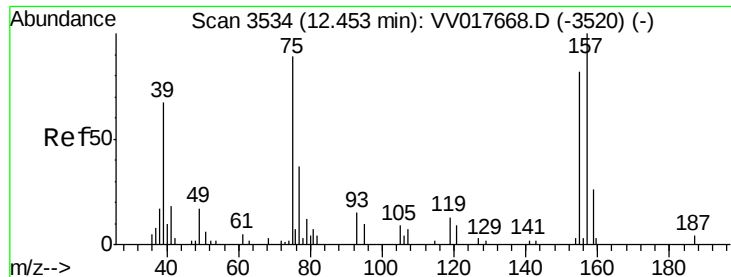


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

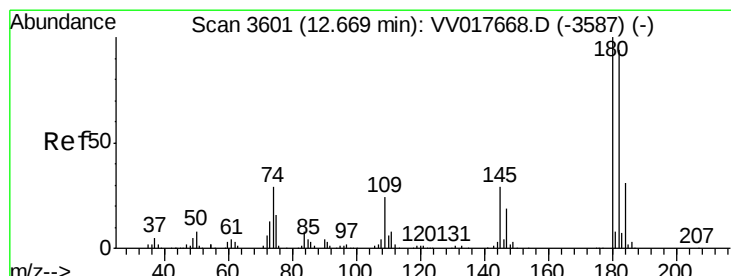
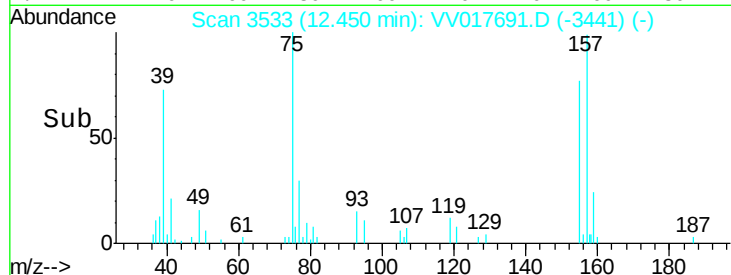
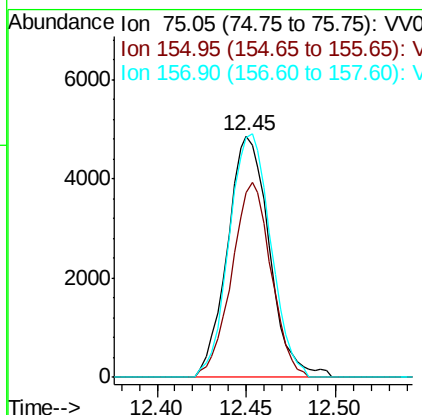
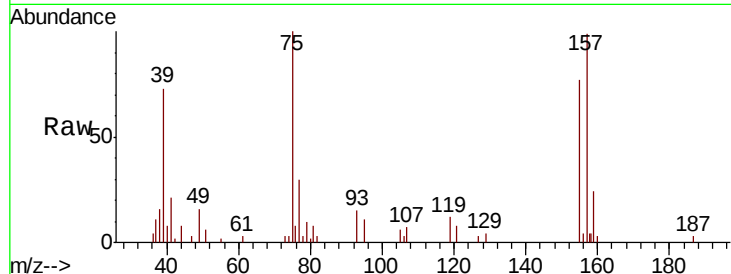




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.826 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

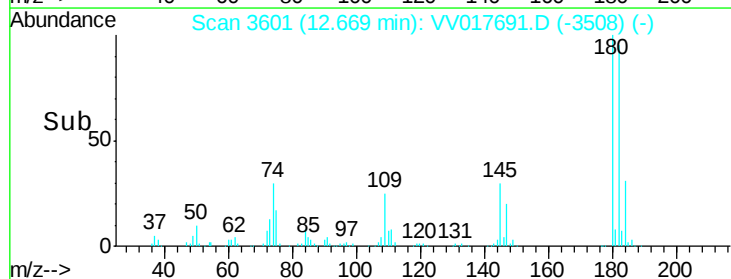
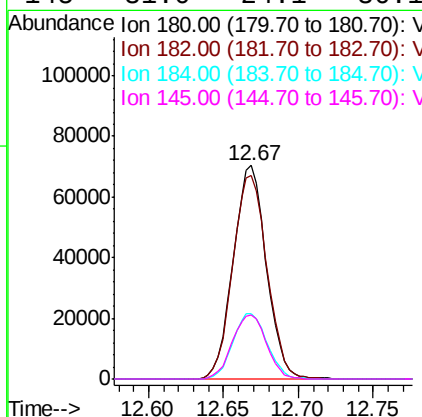
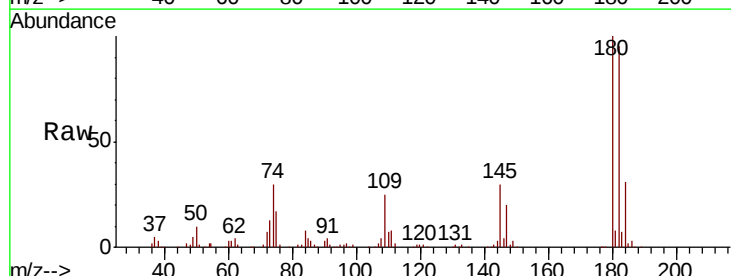
Instrument :
 MSVOA_V
 ClientSampleId :

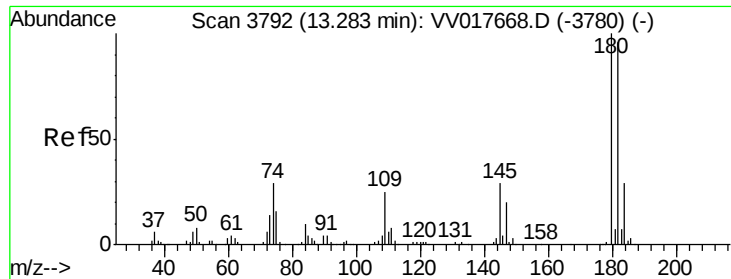
Tot Ion: 75 Resp: 7909
 Ion Ratio Lower Upper
 75 100
 155 76.6 68.7 103.1
 157 99.1 87.8 131.8



#68
 1,3,5-Trichlorobenzene
 Concen: 4.653 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Tgt Ion: 180 Resp: 108750
 Ion Ratio Lower Upper
 180 100
 182 98.5 77.1 115.7
 184 31.7 25.2 37.8
 145 31.0 24.1 36.1

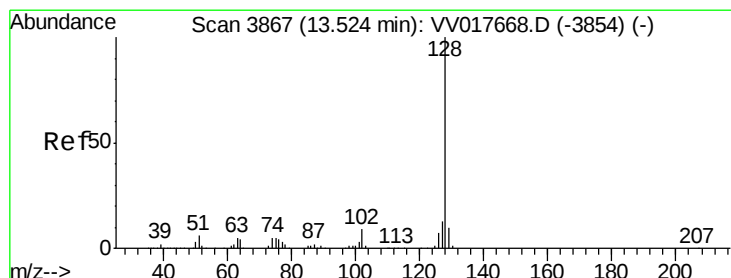
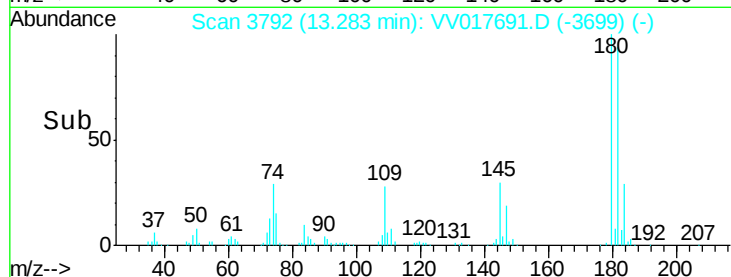
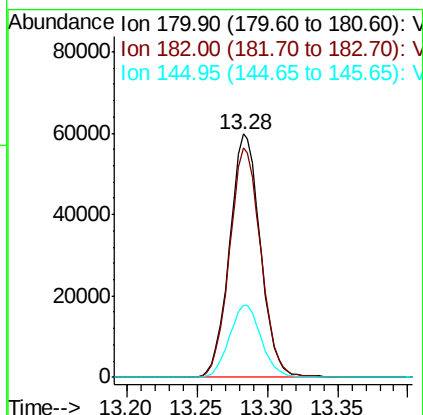
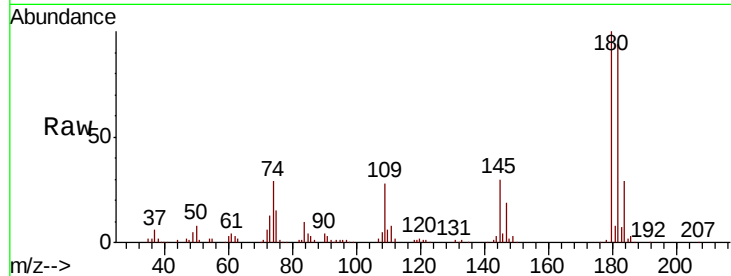




#69
1,2,4-trichlorobenzene
Concen: 4.687 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. -0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

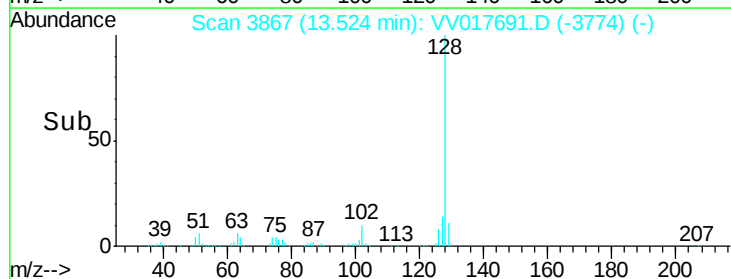
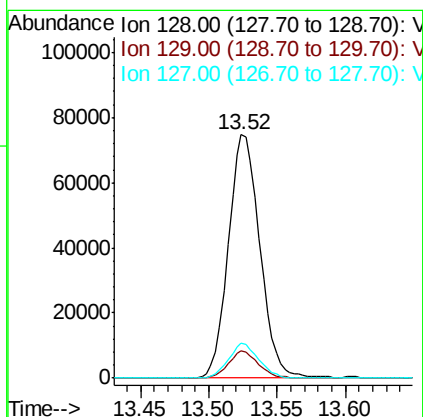
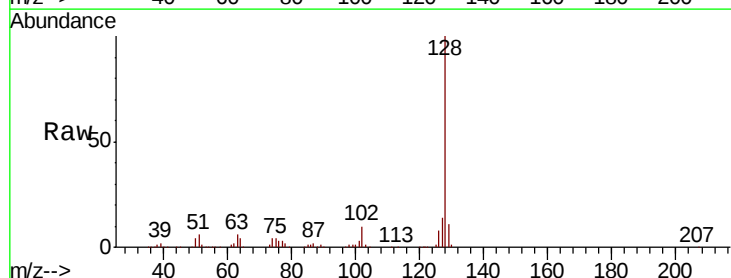
Instrument :
MSVOA_V
ClientSampleId :

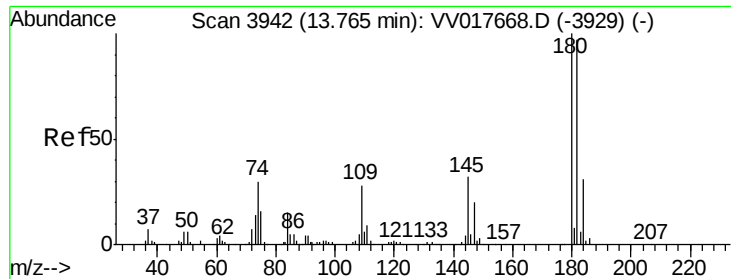
Tot Ion:180 Resp: 91624
Ion Ratio Lower Upper
180 100
182 95.5 75.4 113.2
145 30.4 24.2 36.2



#70
Naphthalene
Concen: 4.400 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV017691.D
Acq: 27 Jul 2020 20:42

Tgt Ion:128 Resp: 119921
Ion Ratio Lower Upper
128 100
129 10.6 9.1 13.7
127 13.8 11.0 16.6

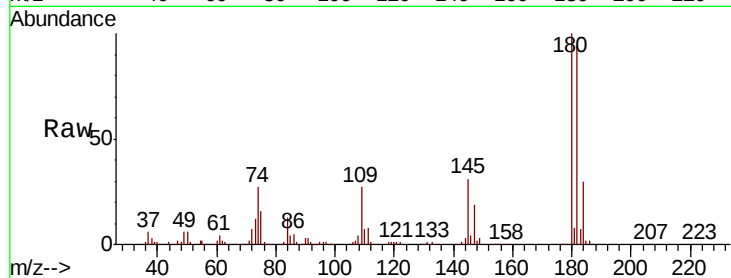




#71
 1,2,3-Trichlorobenzene
 Concen: 4.639 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017691.D
 Acq: 27 Jul 2020 20:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 80361
 Ion Ratio Lower Upper
 180 100
 182 96.2 74.2 111.4
 145 31.8 26.0 39.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

