

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080720\
 Data File : VV017826.D
 Acq On : 07 Aug 2020 09:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 00:17:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 13:15:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	249107	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	245904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	145726	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52247	43.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.02%
7) Chloroethane-d5	1.58	69	48344	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.22%
11) 1,1-Dichloroethene-d2	2.12	63	144079	49.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.72%
21) 2-Butanone-d5	3.90	46	85900	94.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.04%
24) Chloroform-d	4.37	84	168955	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.78%
26) 1,2-Dichloroethane-d4	5.05	65	125586	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
32) Benzene-d6	5.07	84	270682	46.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.06%
36) 1,2-Dichloropropane-d6	6.09	67	71425	44.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.90%
41) Toluene-d8	7.33	98	278461	48.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.62%
43) trans-1,3-Dichloropropene-	7.64	79	50182	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
47) 2-Hexanone-d5	8.10	63	67134	97.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.21%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	113002	46.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	145341	50.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	123040	49.201	ug/L 99
3) Chloromethane	1.25	50	66153	39.643	ug/L 100
5) Vinyl chloride	1.32	62	78809	44.596	ug/L 99
6) Bromomethane	1.53	94	52167	49.630	ug/L 98
8) Chloroethane	1.60	64	50132	46.863	ug/L 98
9) Trichlorofluoromethane	1.76	101	198432	57.169	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	86471	53.845	ug/L 94
12) 1,1-Dichloroethene	2.13	96	76418	50.970	ug/L 94
13) Acetone	2.19	43	128371	110.661	ug/L 97
14) Carbon disulfide	2.31	76	209801	45.413	ug/L 100
15) Methyl Acetate	2.44	43	63049	41.791	ug/L 94
16) Methylene chloride	2.52	84	84896	48.022	ug/L 93
17) trans-1,2-Dichloroethene	2.78	96	82714	48.928	ug/L 95
18) Methyl tert-butyl Ether	2.78	73	280504	50.480	ug/L 97
19) 1,1-Dichloroethane	3.21	63	136107	46.138	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	89654	49.650	ug/L 89
22) 2-Butanone	3.98	43	110578	102.621	ug/L 97

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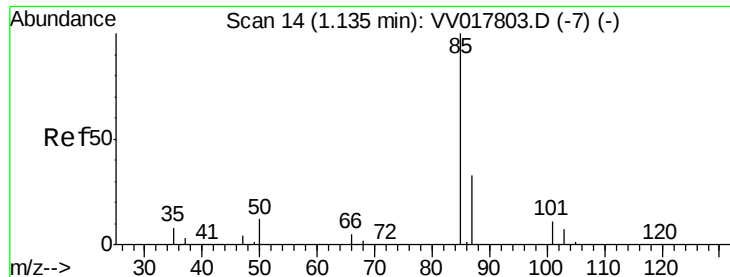
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	52823	51.780	ug/L	88
25) Chloroform	4.40	83	171384	50.130	ug/L	97
27) 1,2-Dichloroethane	5.15	62	158285	52.178	ug/L	98
29) Cyclohexane	4.70	56	105084	42.185	ug/L	90
30) 1,1,1-Trichloroethane	4.63	97	180290	50.855	ug/L	98
31) Carbon tetrachloride	4.85	117	167991	51.988	ug/L	100
33) Benzene	5.12	78	307606	46.121	ug/L	100
34) Trichloroethene	5.94	95	95401	50.328	ug/L	97
35) Methylcyclohexane	6.15	83	134419	48.340	ug/L	96
37) 1,2-Dichloropropane	6.20	63	65948	43.140	ug/L #	96
38) Bromodichloromethane	6.53	83	131907	48.515	ug/L	98
39) cis-1,3-Dichloropropene	7.04	75	128058	45.619	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	179654	86.227	ug/L	96
42) Toluene	7.41	91	365700	49.358	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	140999	48.943	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	83847	48.159	ug/L	97
46) Tetrachloroethene	7.99	164	88902	52.936	ug/L	98
48) 2-Hexanone	8.15	43	158435	93.466	ug/L	97
49) Dibromochloromethane	8.26	129	114378	50.225	ug/L	99
50) 1,2-Dibromoethane	8.37	107	96319	50.807	ug/L	98
51) Chlorobenzene	8.90	112	257357	50.628	ug/L	95
52) Ethylbenzene	9.03	91	424592	50.019	ug/L	99
53) m,p-Xylene	9.16	106	165352	50.814	ug/L	96
54) o-xylene	9.56	106	161793	51.379	ug/L	99
55) Styrene	9.58	104	288617	52.692	ug/L	99
56) Isopropylbenzene	9.95	105	454829	52.771	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	117613	46.412	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	104020	46.758	ug/L	97
61) Bromoform	9.75	173	81140	45.073	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	243556	52.300	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	246392	52.072	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	242507	51.797	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	36385	49.730	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	207475	56.974	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	188150	59.531	ug/L	99
69) Naphthalene	13.52	128	481990	57.810	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	183353	58.494	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.201 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

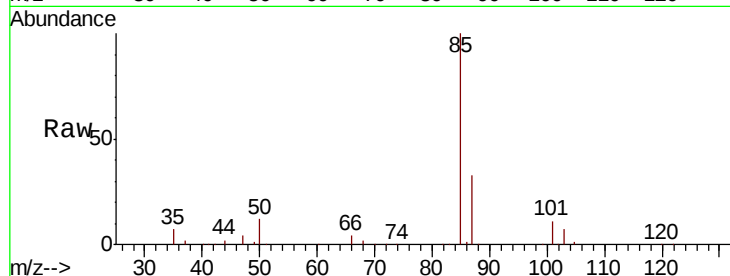
ClientSampleId :

Tot Ion: 85 Resp: 123040

Ion Ratio Lower Upper

85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV017803.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017803.D (-7) (-)

1.14

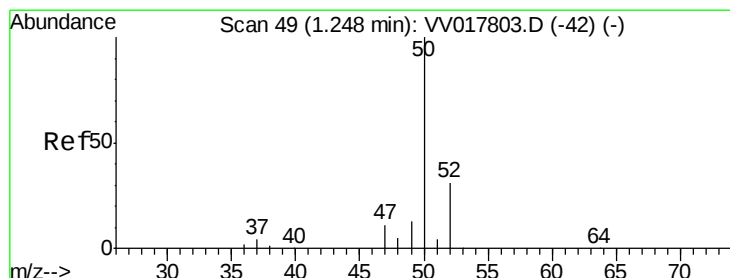
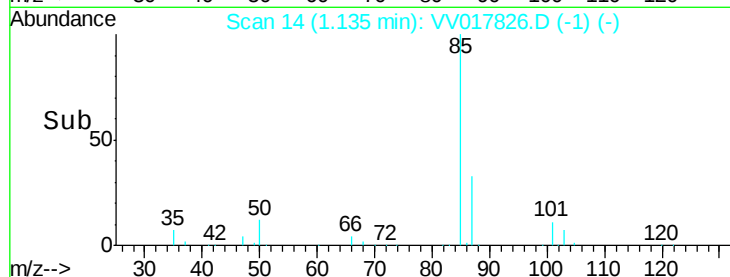
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 39.643 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017826.D

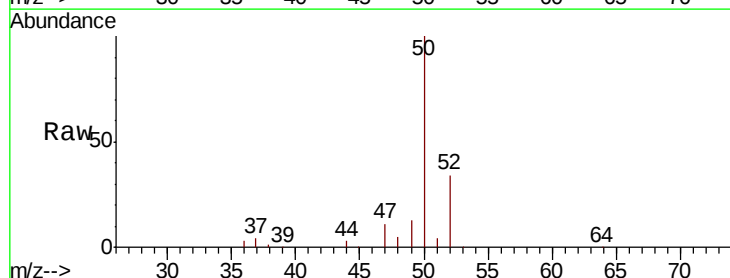
Acq: 07 Aug 2020 09:39

Tgt Ion: 50 Resp: 66153

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV017803.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017803.D (-42) (-)

1.25

80000

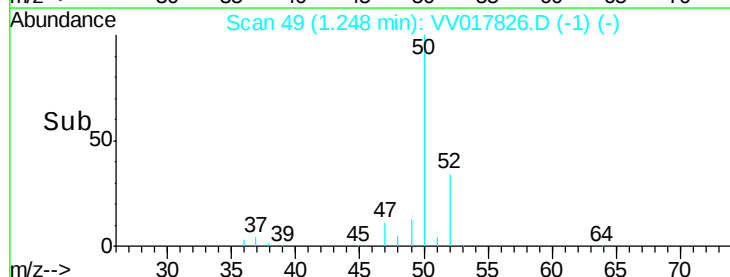
60000

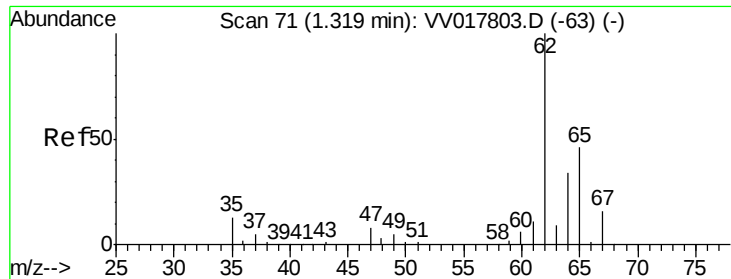
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 44.596 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

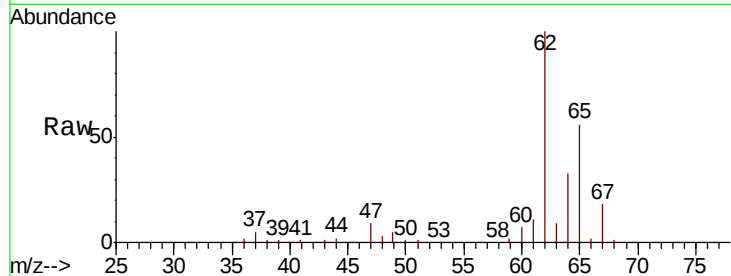
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 78809

Ion Ratio Lower Upper

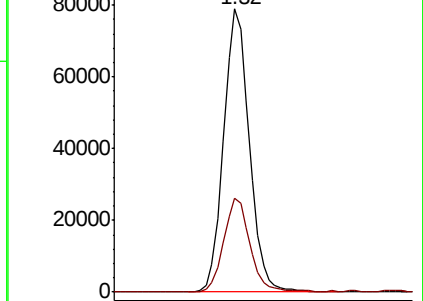
62 100

64 33.1 22.9 42.5

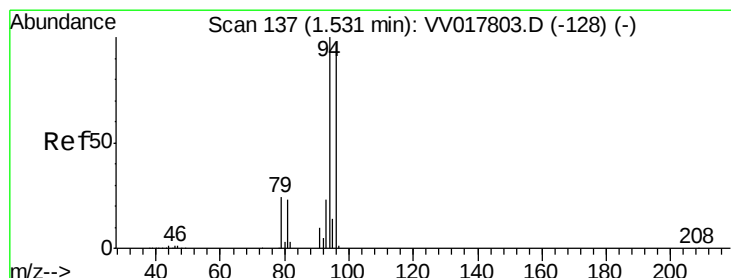
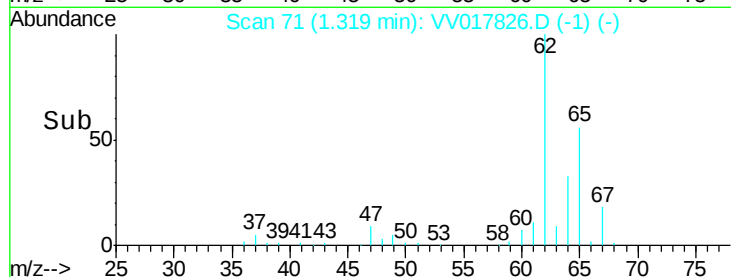


Abundance Ion 62.00 (61.70 to 62.70): VV017803.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV017803.D (-63) (-)



Time-->



#6

Bromomethane

Concen: 49.630 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017826.D

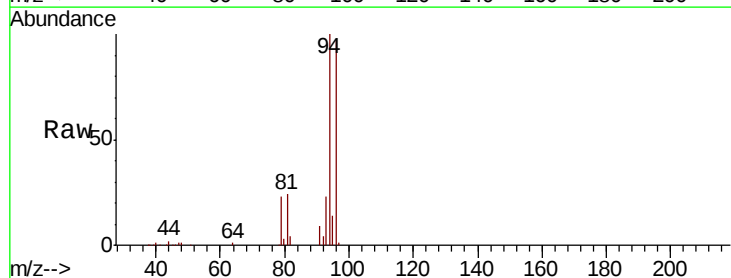
Acq: 07 Aug 2020 09:39

Tgt Ion: 94 Resp: 52167

Ion Ratio Lower Upper

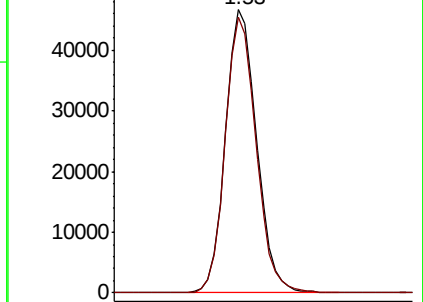
94 100

96 97.4 66.9 124.3

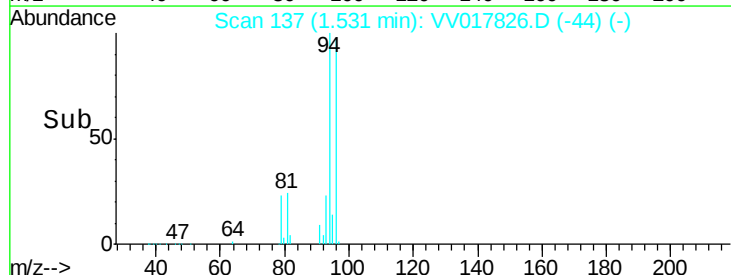


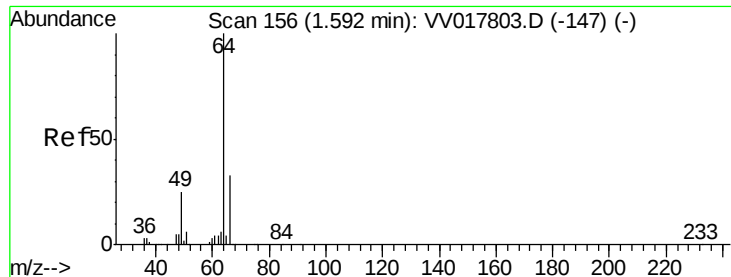
Abundance Ion 94.00 (93.70 to 94.70): VV017803.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV017803.D (-128) (-)



Time-->





#8

Chloroethane

Concen: 46.863 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

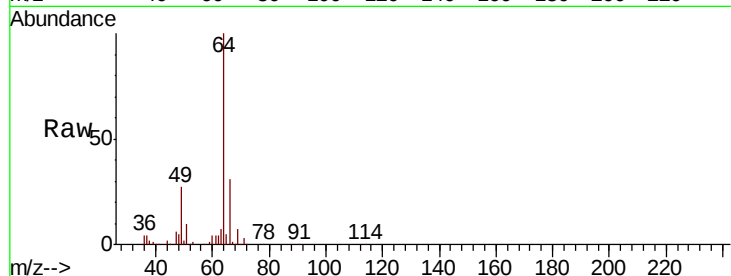
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 50132

Ion Ratio Lower Upper

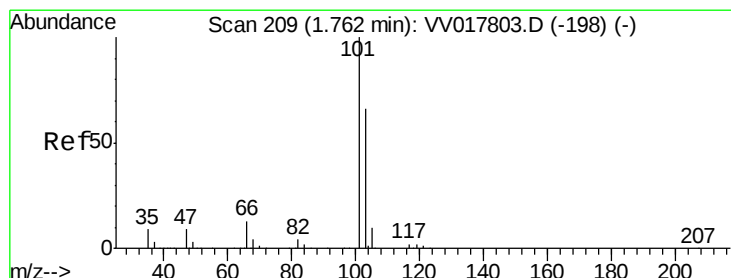
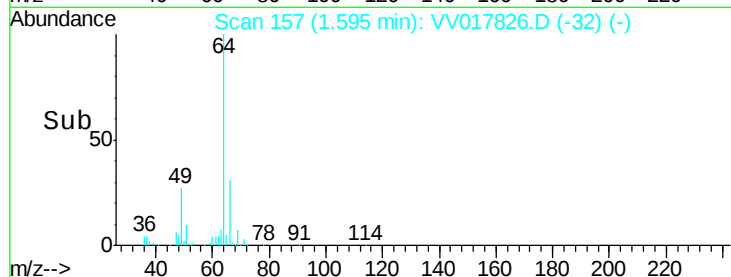
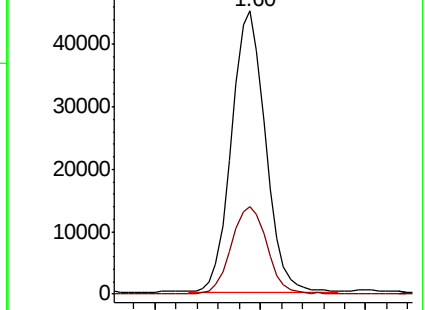
64 100

66 30.7 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017826.D (-157) (-)

Ion 66.00 (65.70 to 66.70): VV017826.D (-157) (-)



#9

Trichlorofluoromethane

Concen: 57.169 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017826.D

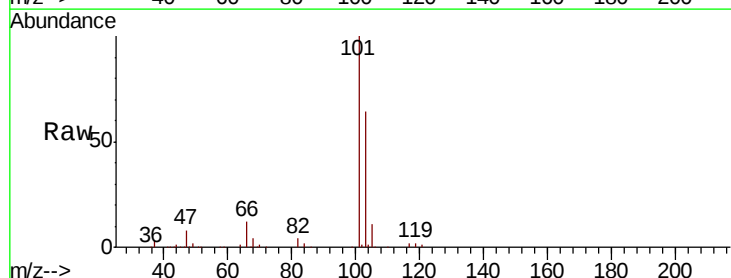
Acq: 07 Aug 2020 09:39

Tgt Ion:101 Resp: 198432

Ion Ratio Lower Upper

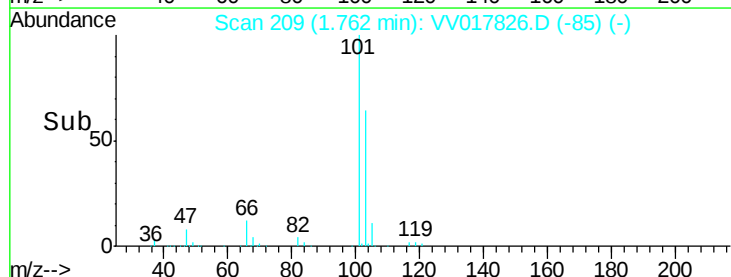
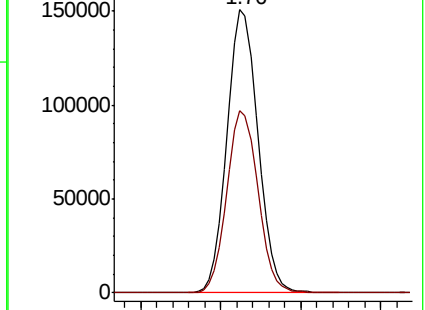
101 100

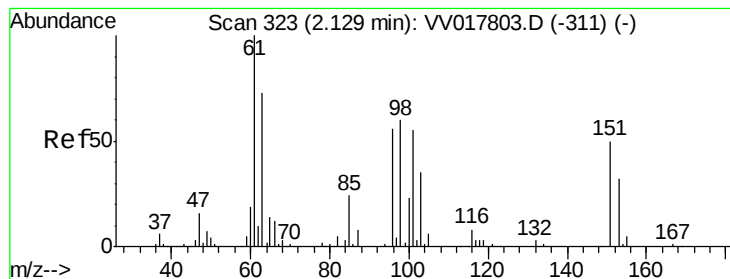
103 64.7 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV017826.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VV017826.D (-209) (-)





#10

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

Concen: 53.845 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

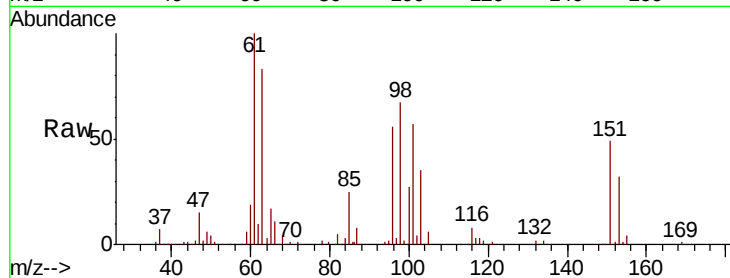
Tot Ion:101 Resp: 86471

Ion Ratio Lower Upper

101 100

85 44.7 37.2 55.8

151 91.8 68.2 102.2



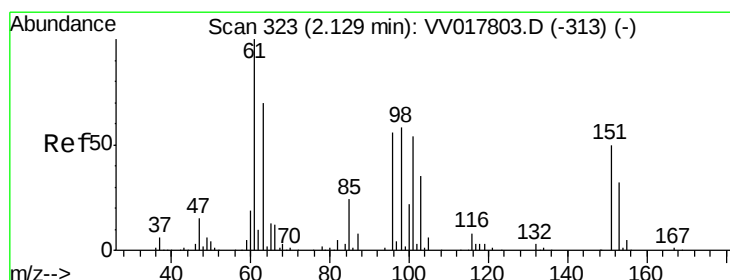
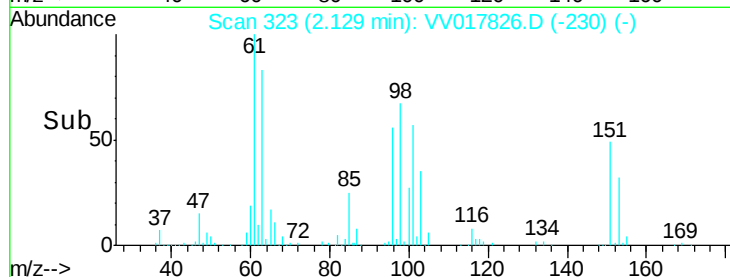
Abundance Ion 101.00 (100.70 to 101.70): VV017803.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017803.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017803.D (-311) (-)

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 50.970 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

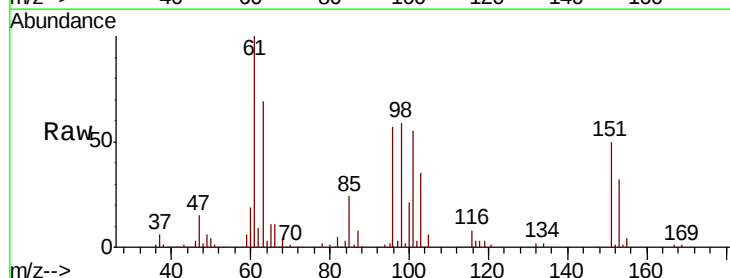
Tgt Ion: 96 Resp: 76418

Ion Ratio Lower Upper

96 100

61 176.9 131.0 243.2

63 121.3 88.5 164.3



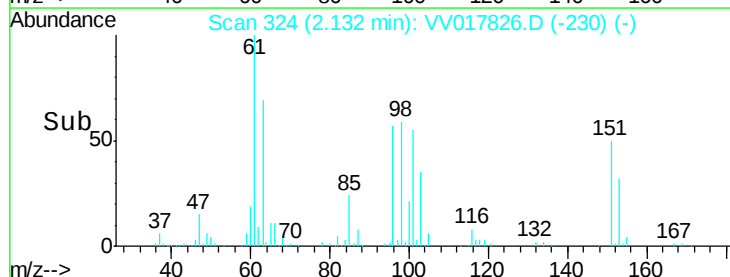
Abundance Ion 96.00 (95.70 to 96.70): VV017826.D (-230) (-)

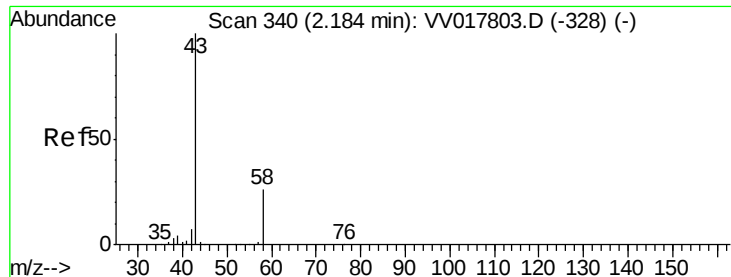
Ion 61.00 (60.70 to 61.70): VV017826.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017826.D (-230) (-)

2.13

Time-->





#13

Acetone

Concen: 110.661 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

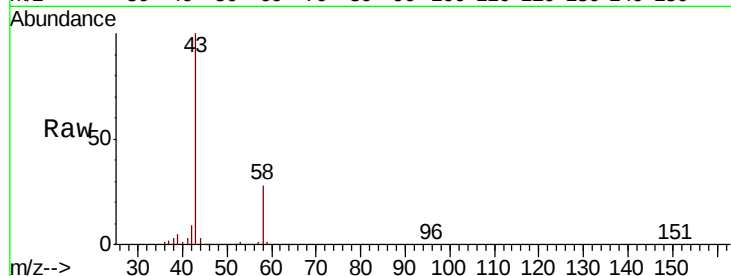
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 128371

Ion Ratio Lower Upper

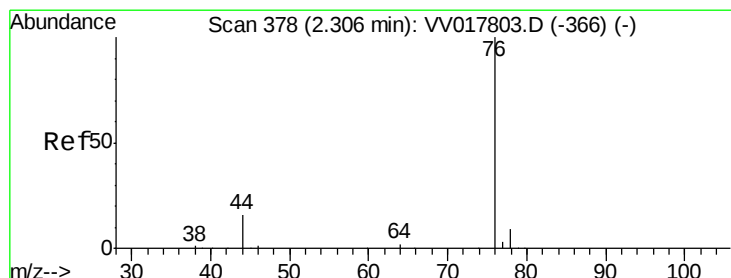
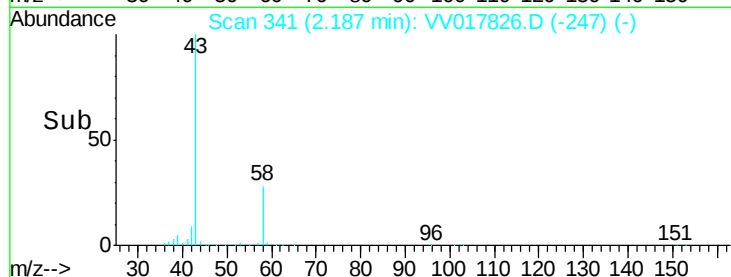
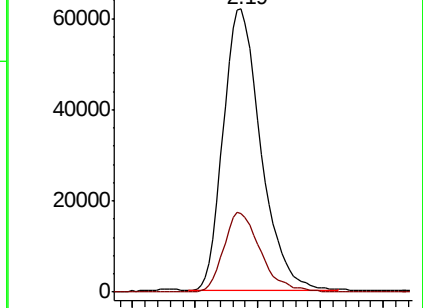
43 100

58 27.9 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VV017803.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV017803.D (-328) (-)



#14

Carbon disulfide

Concen: 45.413 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017826.D

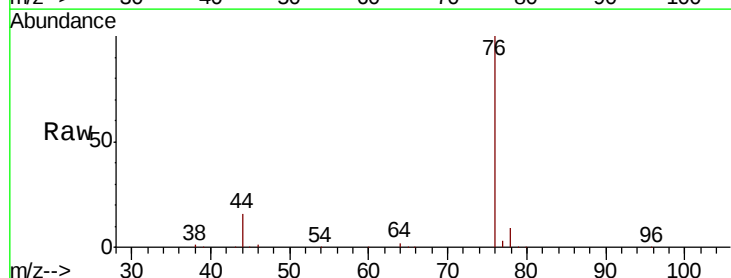
Acq: 07 Aug 2020 09:39

Tgt Ion: 76 Resp: 209801

Ion Ratio Lower Upper

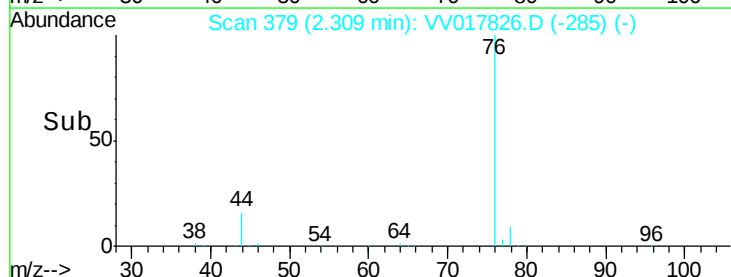
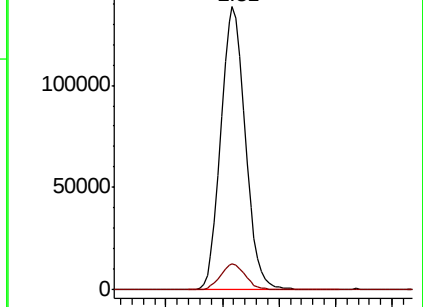
76 100

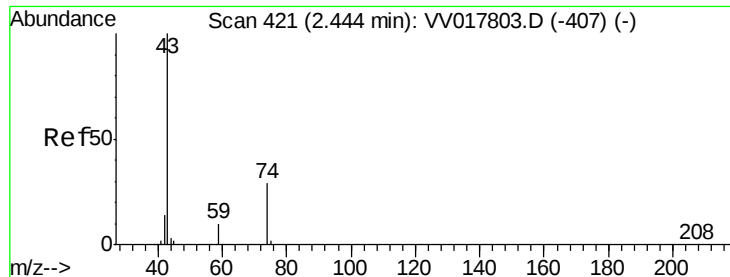
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV017803.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV017803.D (-366) (-)

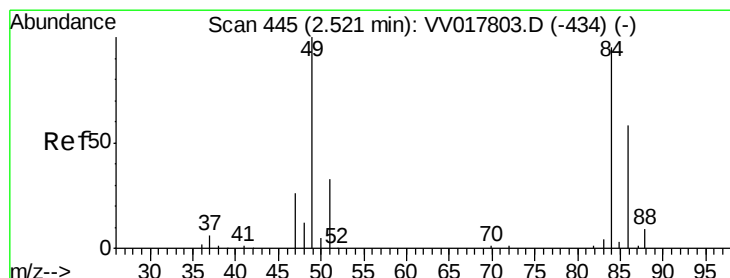
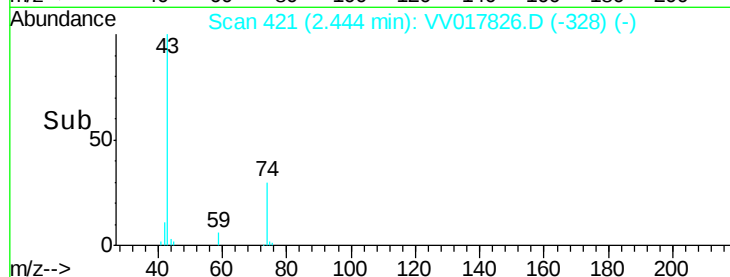
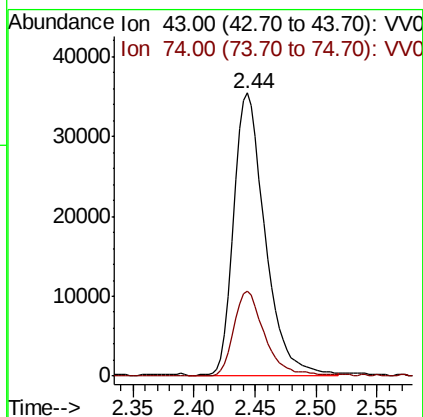
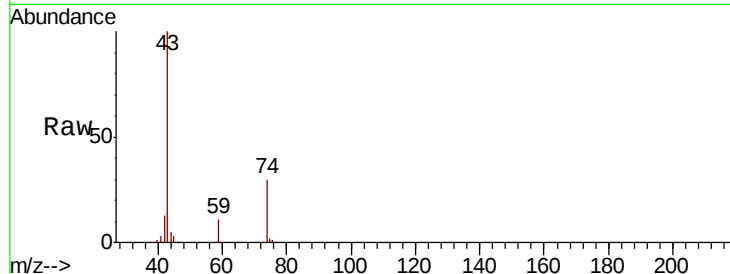




#15
Methvl Acetate
Concen: 41.791 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

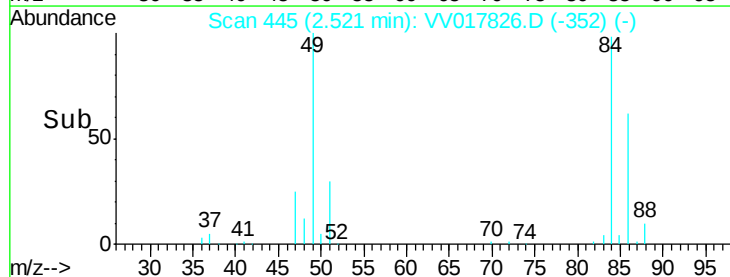
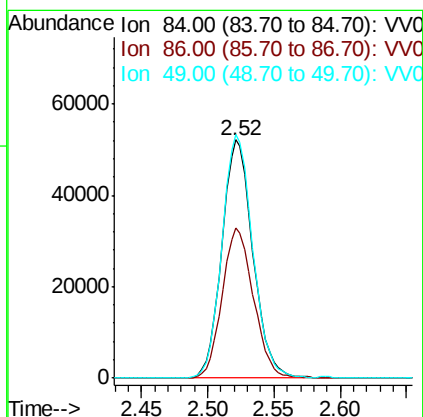
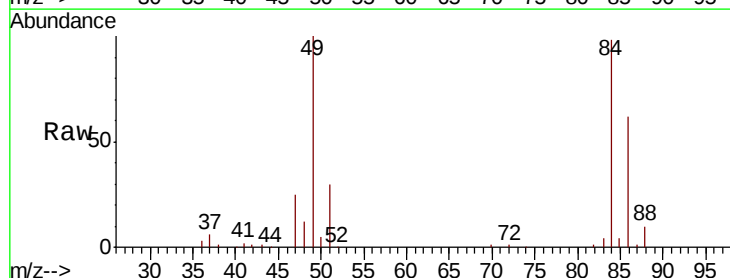
Instrument :
MSVOA_V
ClientSampleId :

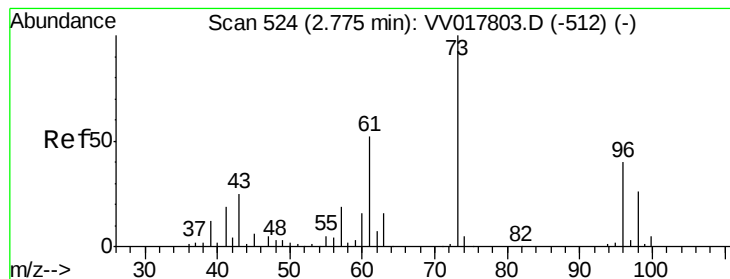
Tot Ion: 43 Resp: 63049
Ion Ratio Lower Upper
43 100
74 28.9 20.6 31.0



#16
Methylene chloride
Concen: 48.022 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion: 84 Resp: 84896
Ion Ratio Lower Upper
84 100
86 62.8 45.4 84.4
49 102.2 79.2 147.2





#17

trans-1,2-Dichloroethene

Concen: 48.928 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :
MSVOA_V
ClientSampleId :

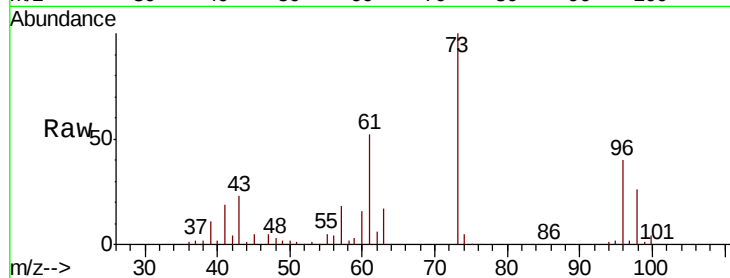
Tot Ion: 96 Resp: 82714

Ion Ratio Lower Upper

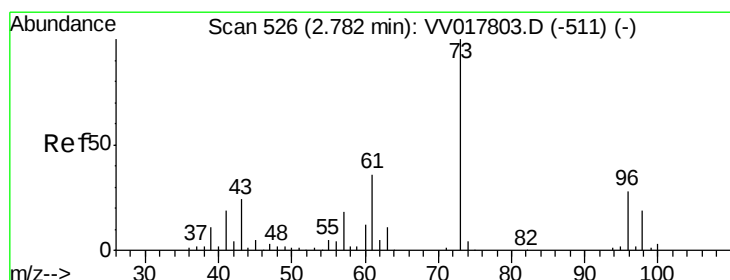
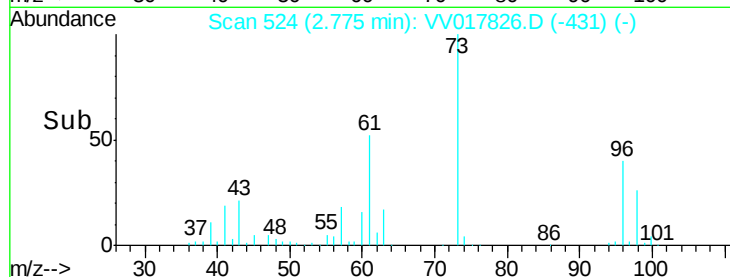
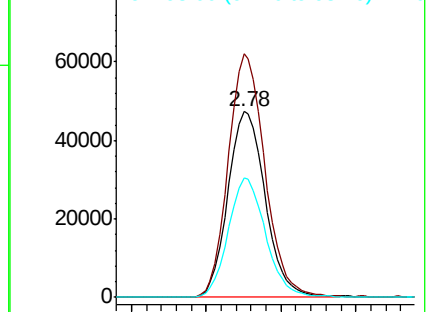
96 100

61 131.2 96.2 178.8

98 64.5 43.2 80.2



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: 50.480 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

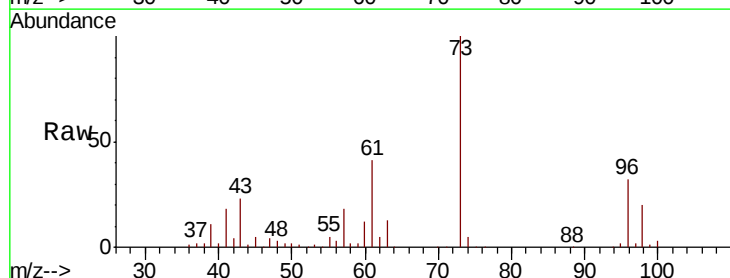
Tgt Ion: 73 Resp: 280504

Ion Ratio Lower Upper

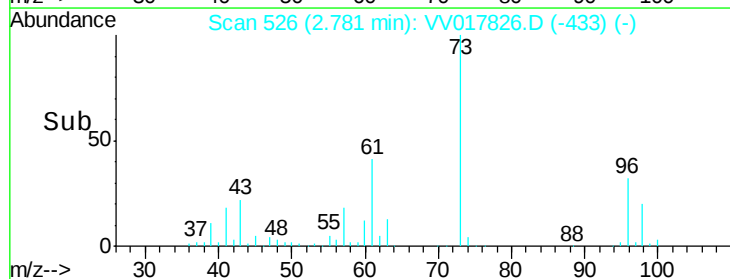
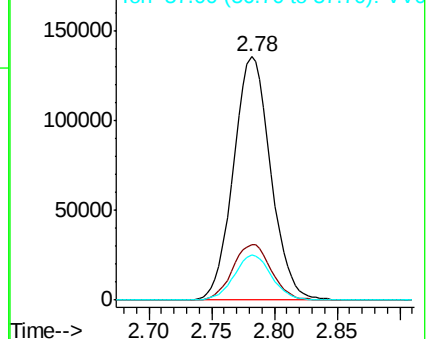
73 100

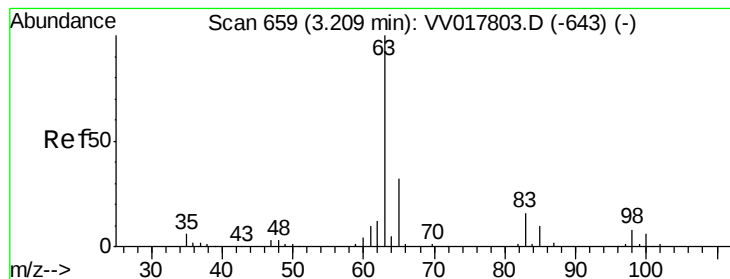
43 23.8 18.1 27.1

57 18.6 16.0 24.0



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: 46.138 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :
MSVOA_V
ClientSampleId :

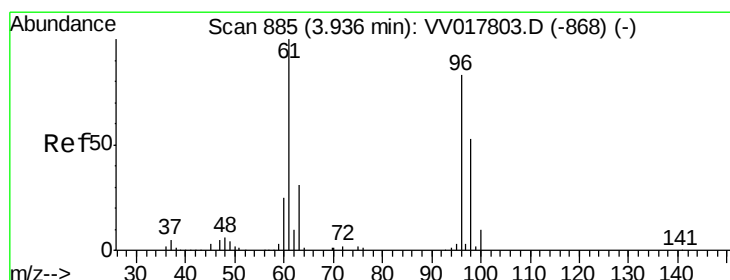
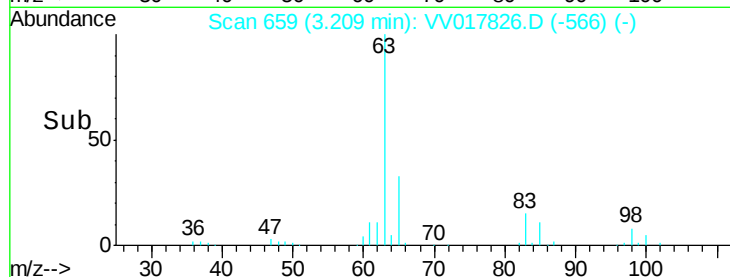
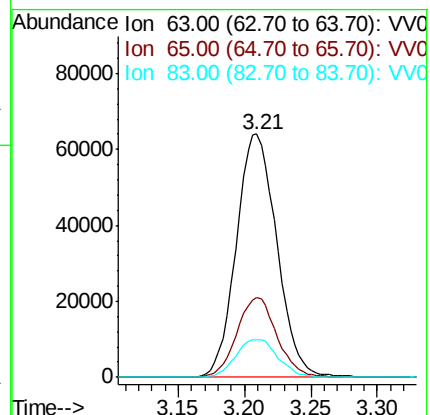
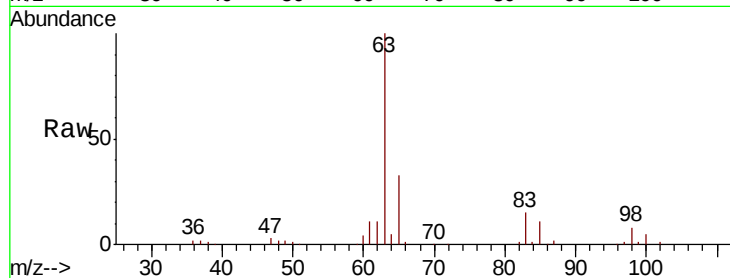
Tot Ion: 63 Resp: 136107

Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.8	42.4
83	15.5	11.0	20.4

63 100

65 32.9 22.8 42.4

83 15.5 11.0 20.4



#20

cis-1,2-Dichloroethene

Concen: 49.650 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

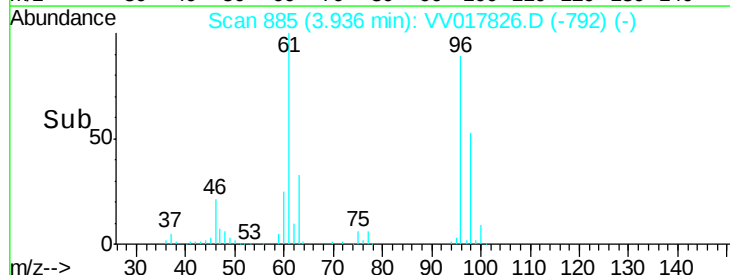
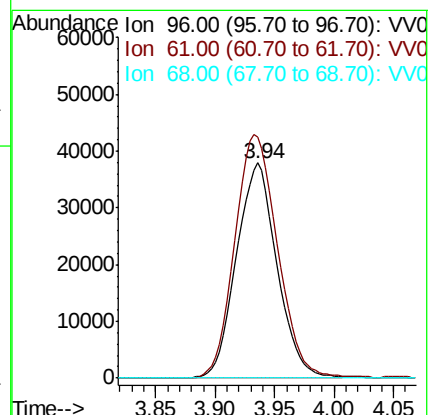
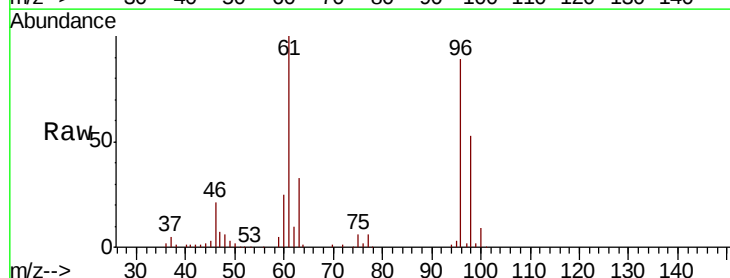
Tgt Ion: 96 Resp: 89654

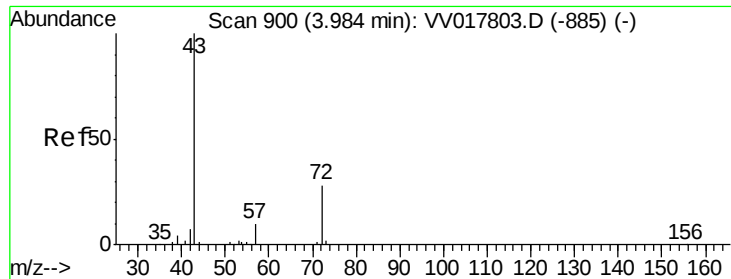
Ion	Ratio	Lower	Upper
96	100		
61	112.3	87.3	162.1
68	0.0	0.0	0.0

96 100

61 112.3 87.3 162.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.621 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

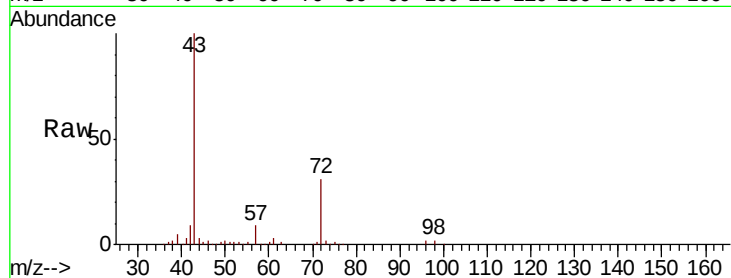
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 110578

Ion Ratio Lower Upper

43 100

72 27.5 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017803.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017803.D (-885) (-)

3.98

40000

30000

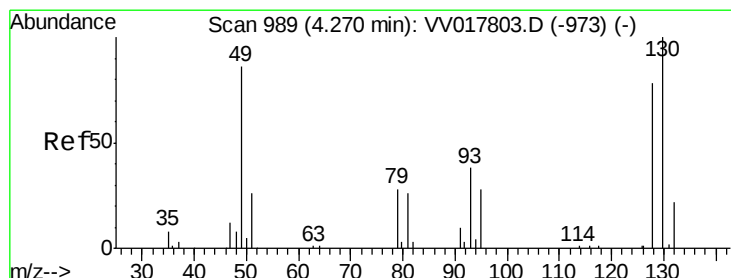
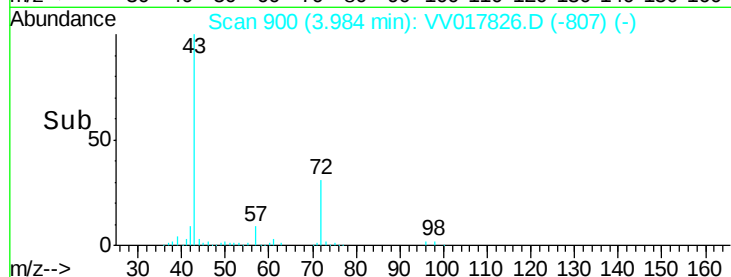
20000

10000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 51.780 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Tgt Ion: 128 Resp: 52823

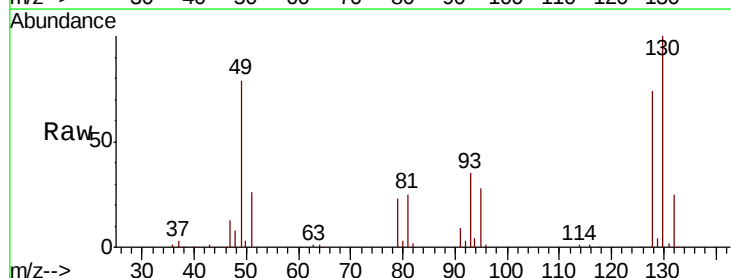
Ion Ratio Lower Upper

128 100

49 105.9 90.4 168.0

130 134.5 90.5 168.1

51 34.4 32.7 49.1



Abundance Ion 128.00 (127.70 to 128.70): VV017803.D (-973) (-)

Ion 49.00 (48.70 to 49.70): VV017803.D (-973) (-)

Ion 130.00 (129.70 to 130.70): VV017803.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VV017803.D (-973) (-)

4.27

40000

30000

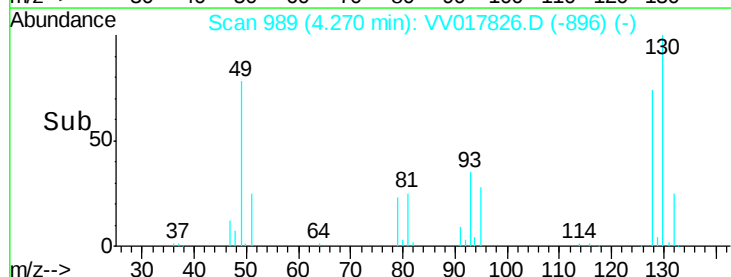
20000

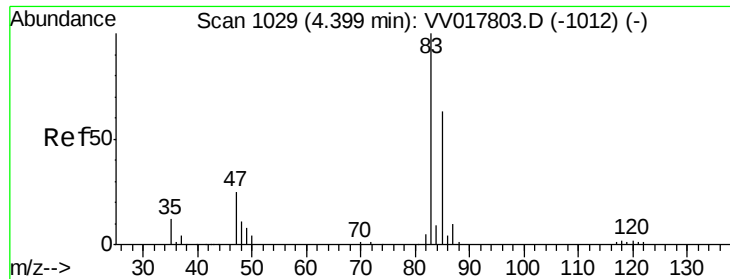
10000

0

4.20 4.25 4.30 4.35

Time-->

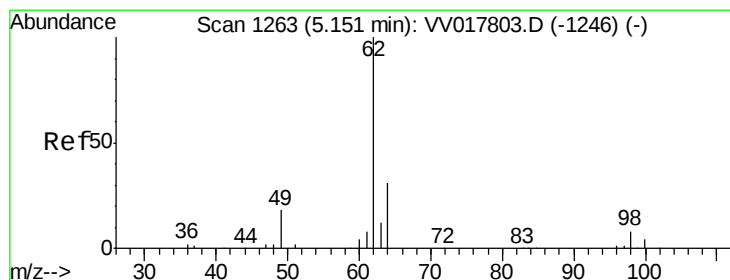
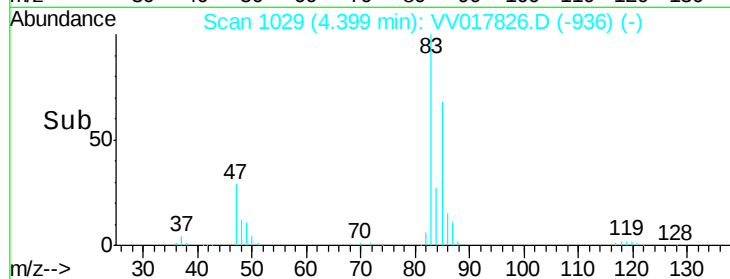
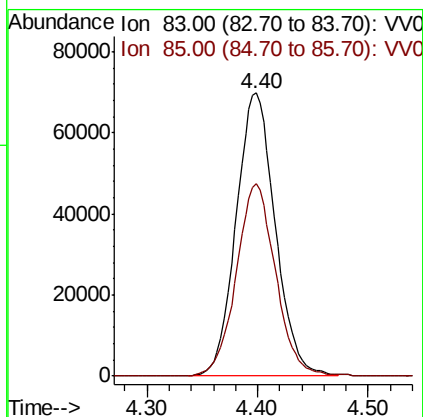
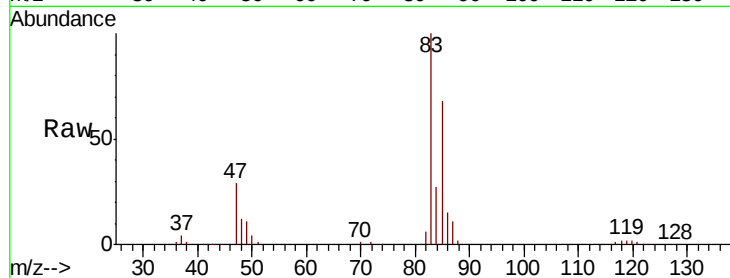




#25
Chloroform
Concen: 50.130 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

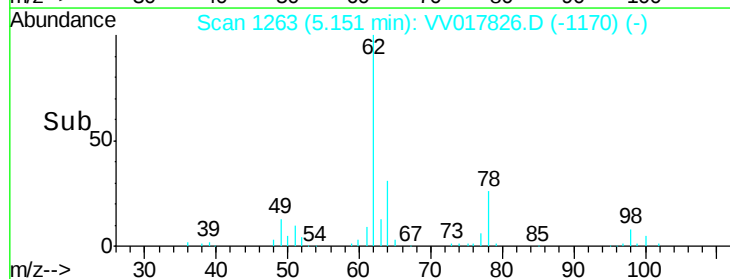
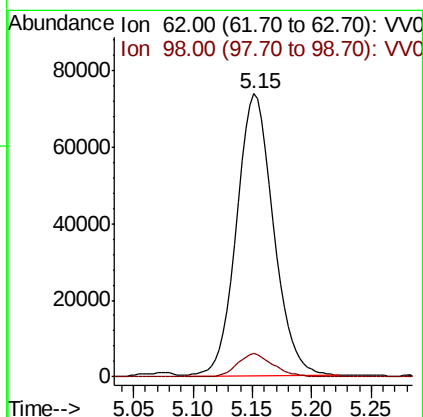
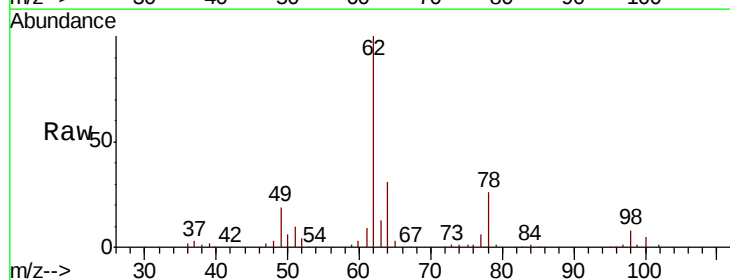
Instrument :
MSVOA_V
ClientSampleId :

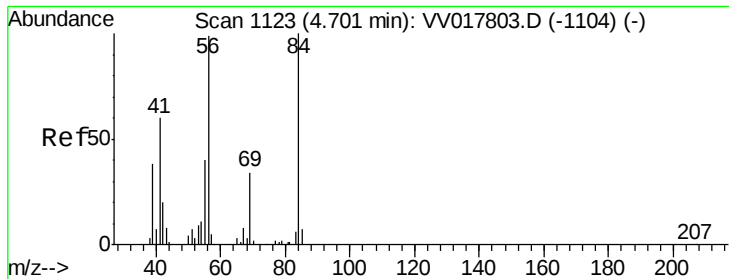
Tot Ion: 83 Resp: 171384
Ion Ratio Lower Upper
83 100
85 68.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 52.178 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion: 62 Resp: 158285
Ion Ratio Lower Upper
62 100
98 8.3 6.0 9.0

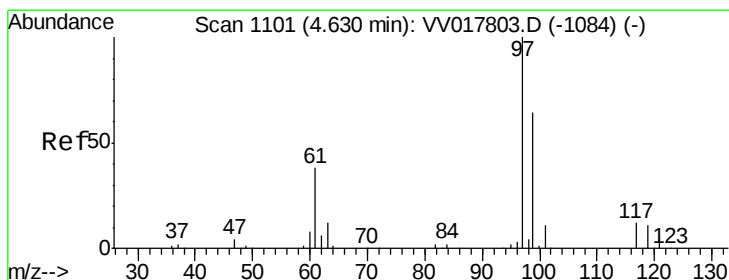
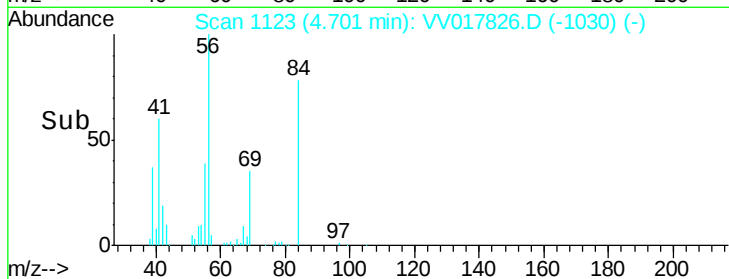
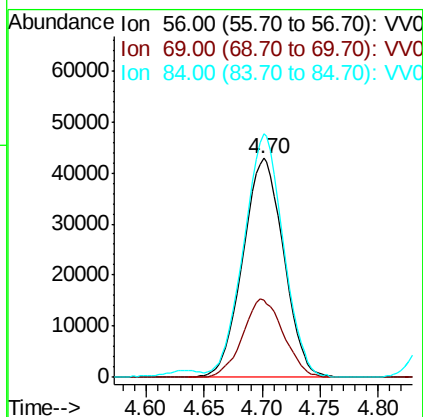
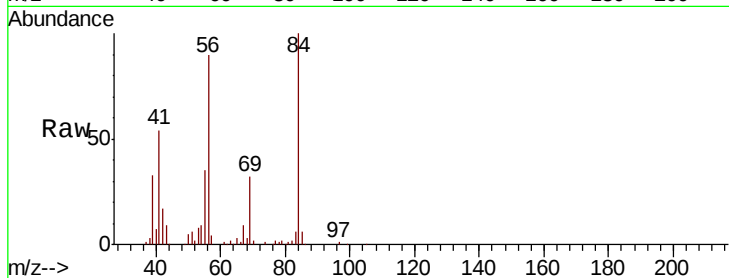




#29
Cyclohexane
Concen: 42.185 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

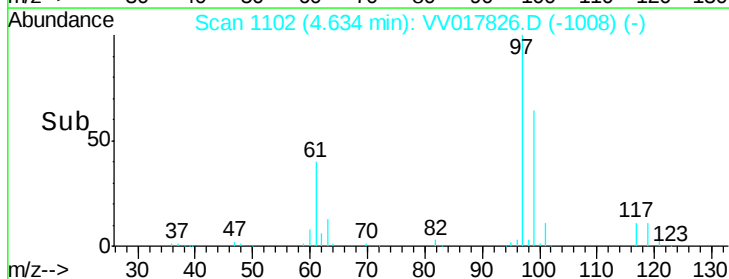
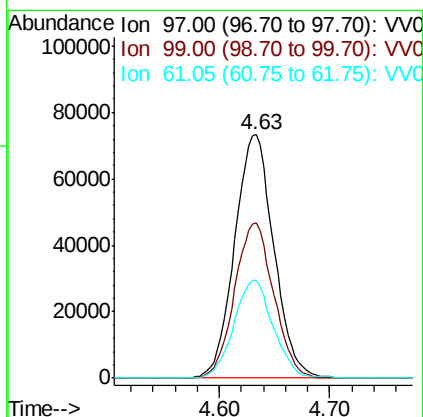
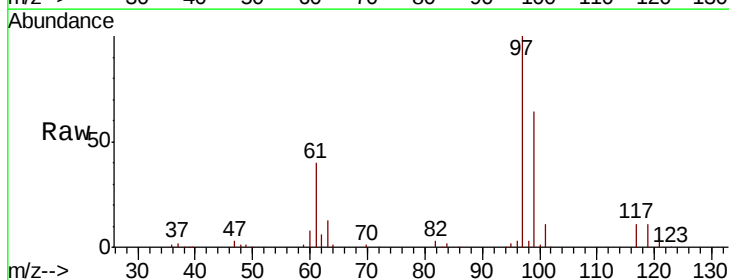
Instrument :
MSVOA_V
ClientSampleId :

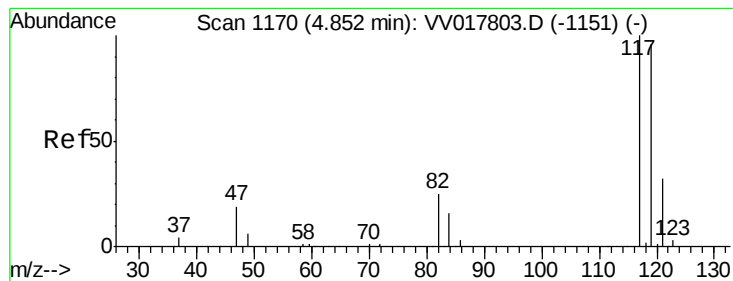
Tot Ion: 56 Resp: 105084
Ion Ratio Lower Upper
56 100
69 35.7 26.1 39.1
84 106.8 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 50.855 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion: 97 Resp: 180290
Ion Ratio Lower Upper
97 100
99 63.7 52.0 78.0
61 40.5 34.1 51.1





#31

Carbon tetrachloride

Concen: 51.988 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

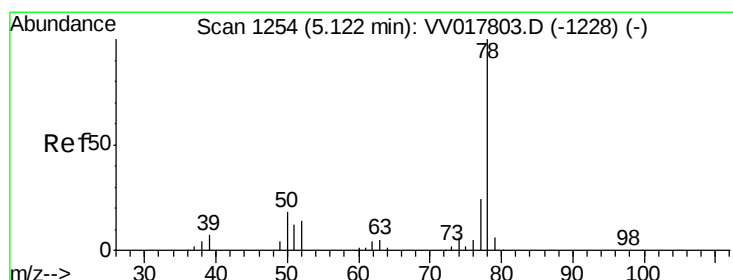
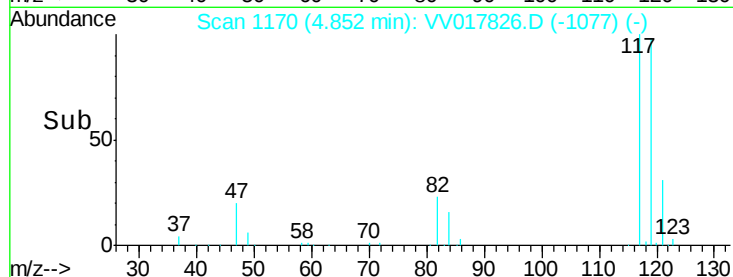
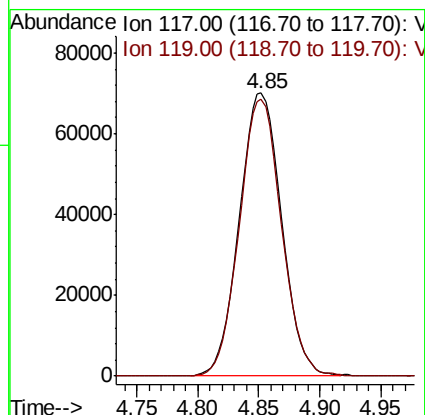
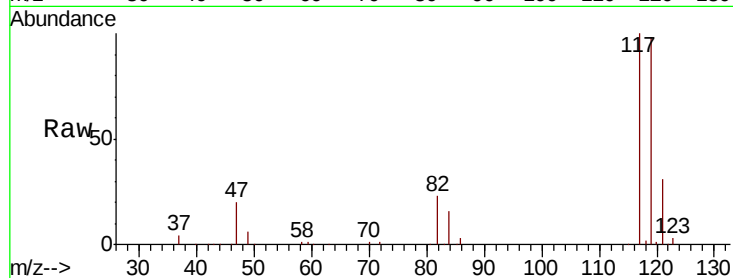
ClientSampleId :

Tot Ion:117 Resp: 167991

Ion Ratio Lower Upper

117 100

119 97.5 77.6 116.4



#33

Benzene

Concen: 46.121 ug/L

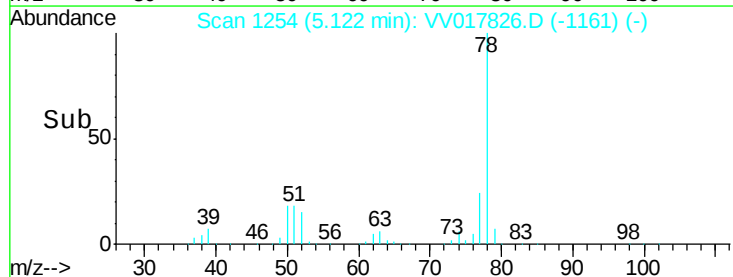
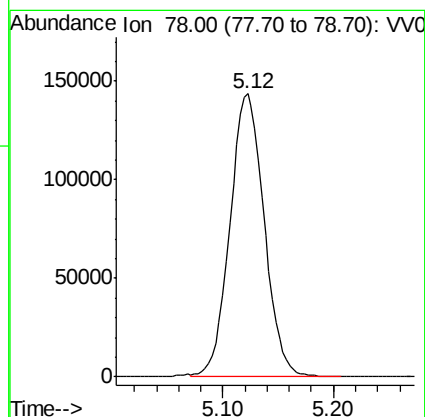
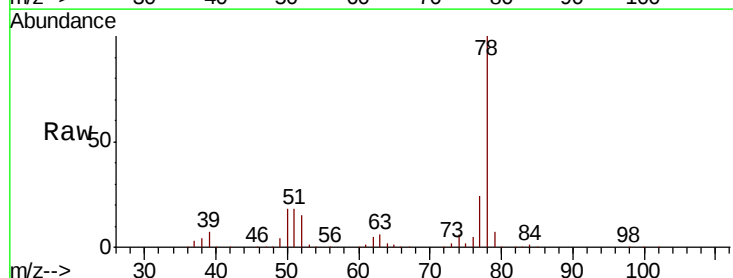
RT: 5.12 min Scan# 1254

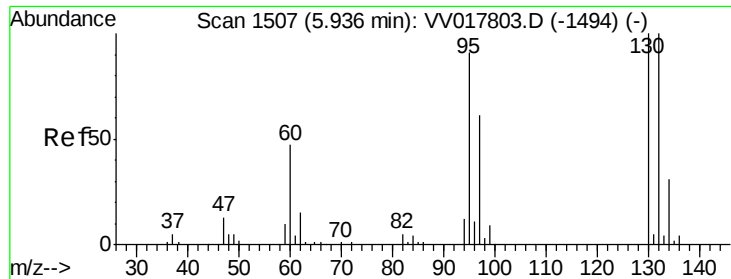
Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Tgt Ion: 78 Resp: 307606

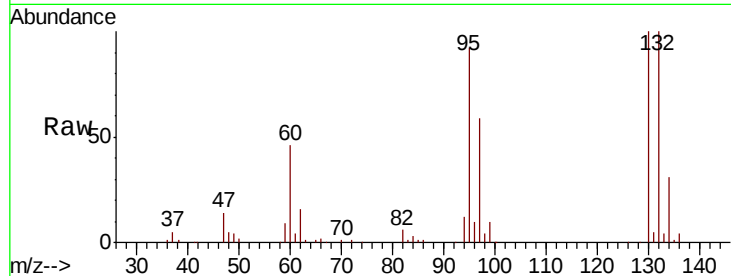




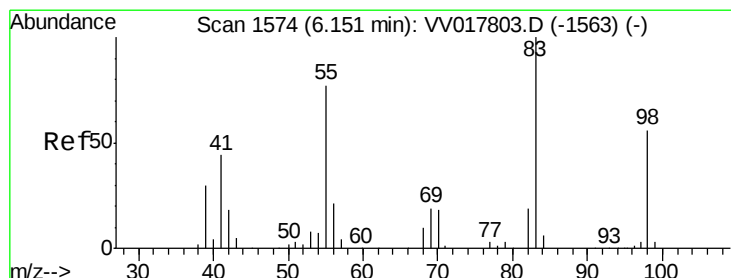
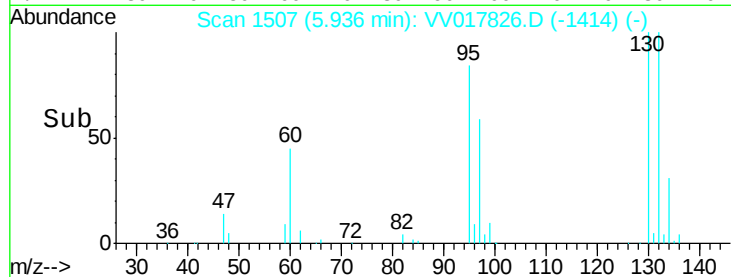
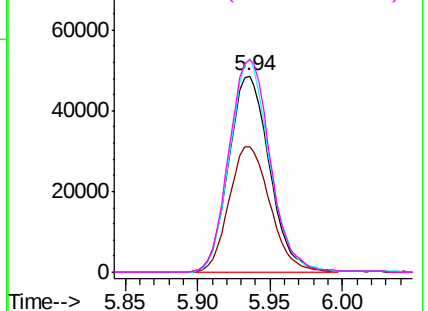
#34
 Trichloroethene
 Concen: 50.328 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 95401
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.3 84.1
 132 108.7 71.4 132.6
 130 108.5 75.3 139.9

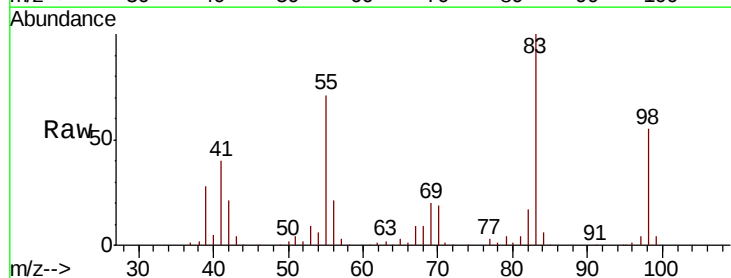


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

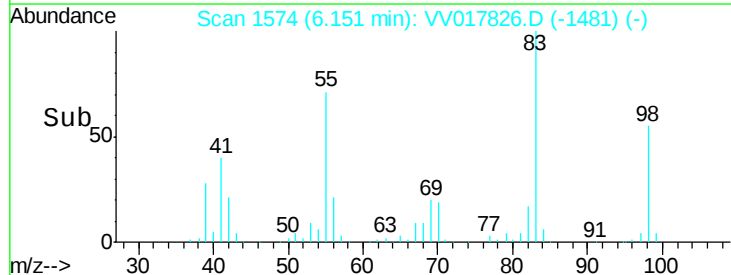
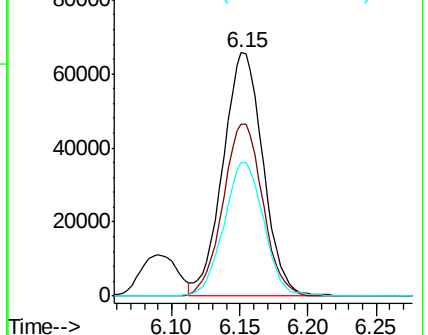


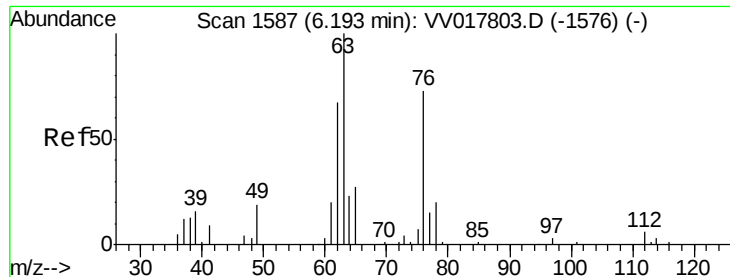
#35
 Methylcyclohexane
 Concen: 48.340 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Tgt Ion: 83 Resp: 134419
 Ion Ratio Lower Upper
 83 100
 55 70.3 59.4 89.2
 98 53.0 41.2 61.8



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 43.140 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

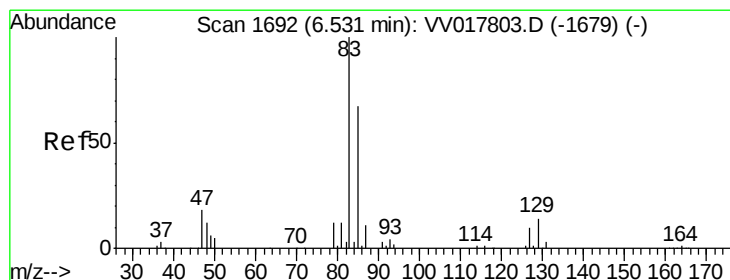
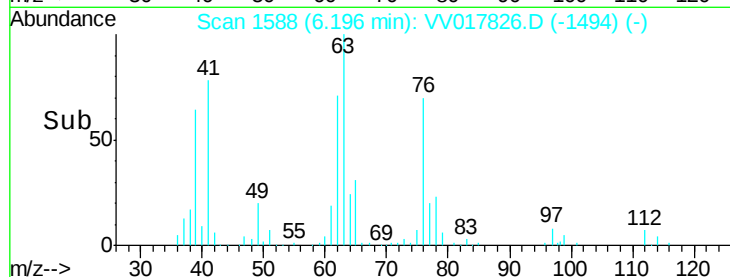
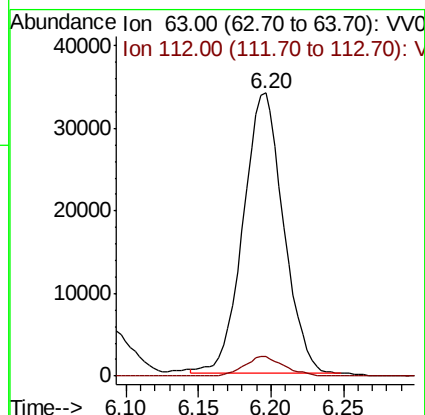
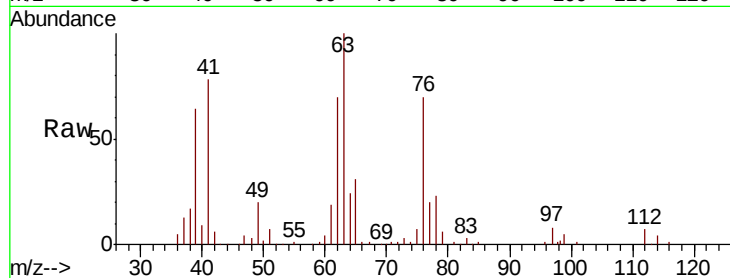
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 65948

Ion Ratio Lower Upper

63 100

112 6.9 4.6 6.8#



#38

Bromodichloromethane

Concen: 48.515 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

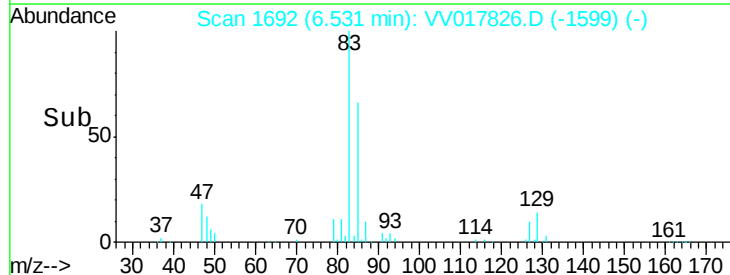
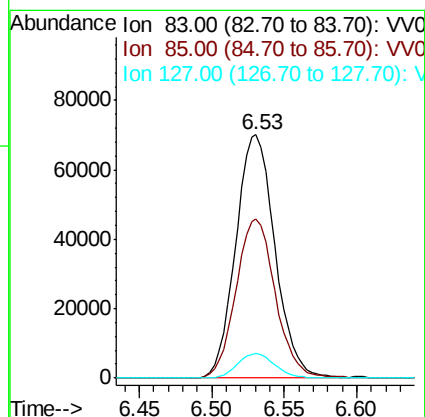
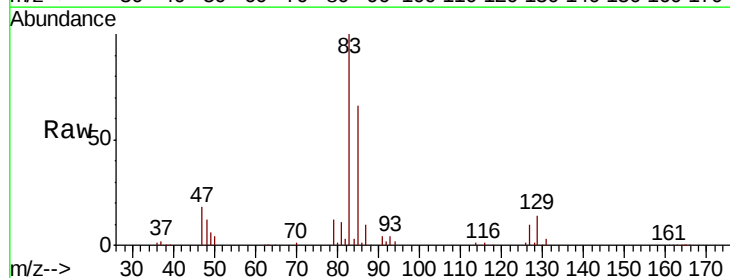
Tgt Ion: 83 Resp: 131907

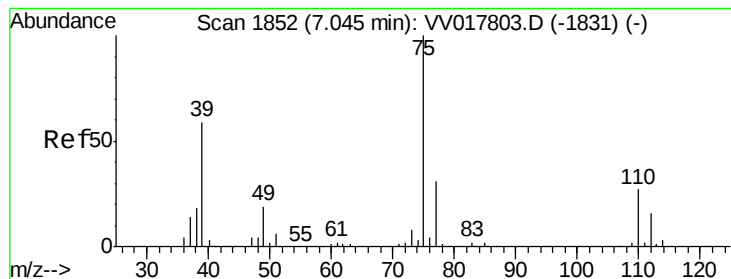
Ion Ratio Lower Upper

83 100

85 65.6 44.8 83.2

127 10.1 7.4 11.0



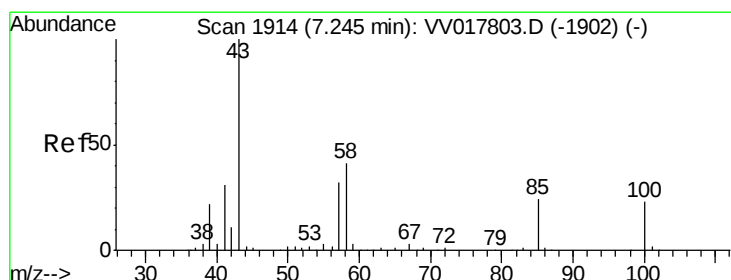
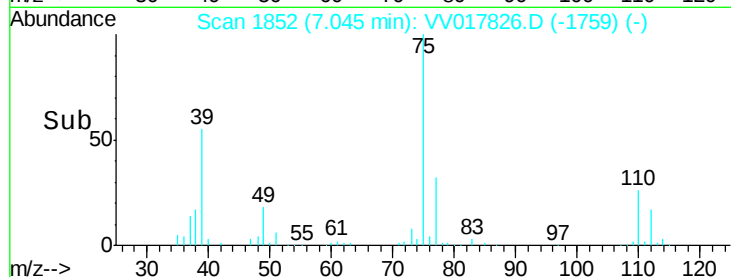
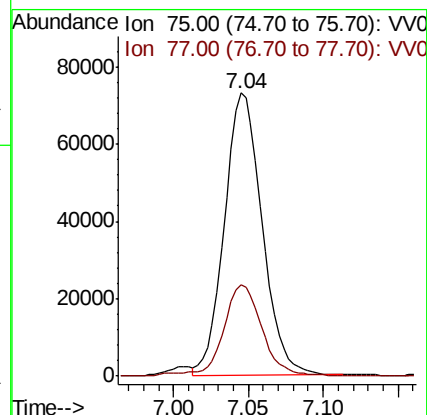
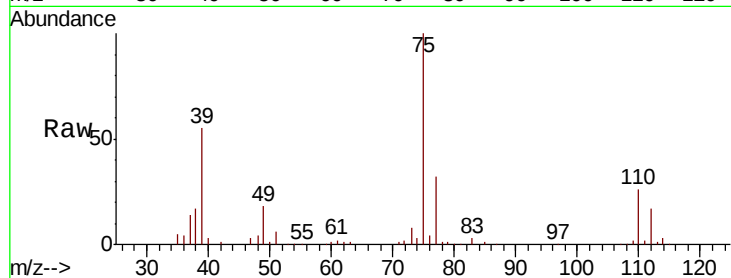


#39

cis-1,3-Dichloropropene
Concen: 45.619 ug/L
RT: 7.04 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Instrument :
MSVOA_V
ClientSampleId :

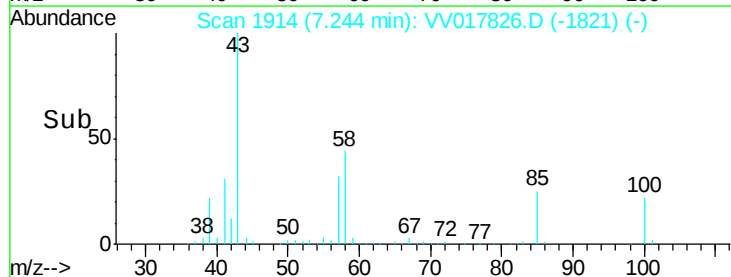
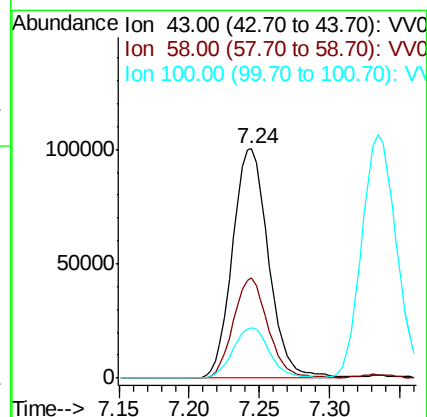
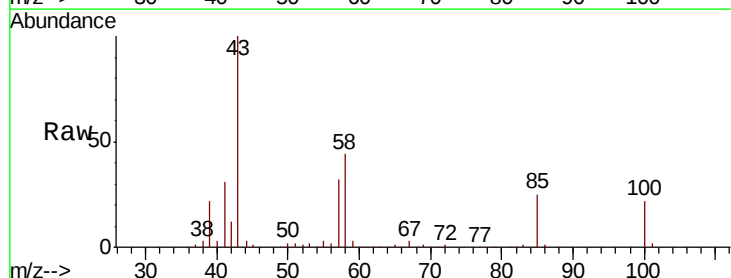
Tot Ion: 75 Resp: 128058
Ion Ratio Lower Upper
75 100
77 32.2 23.2 43.0

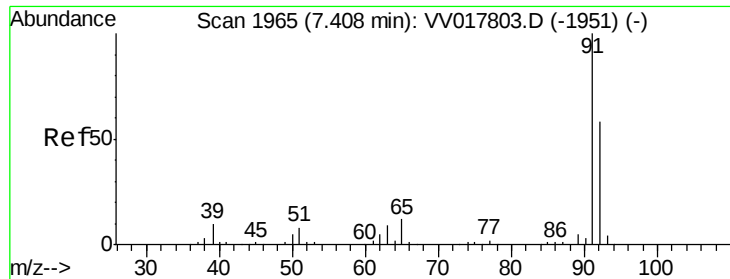


#40

4-Methyl-2-pentanone
Concen: 86.227 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion: 43 Resp: 179654
Ion Ratio Lower Upper
43 100
58 41.8 32.4 48.6
100 22.2 14.9 22.3





#42

Toluene

Concen: 49.358 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

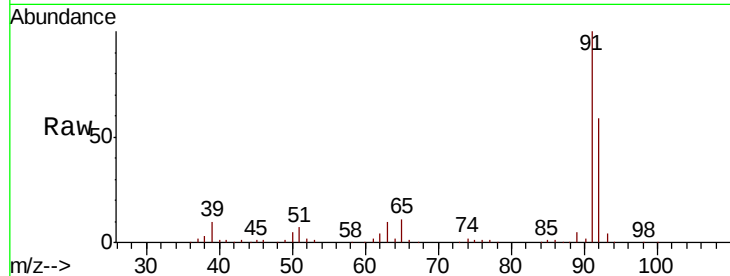
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 365700

Ion Ratio Lower Upper

91 100

92 58.5 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV017803.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV017803.D (-1951) (-)

7.41

250000

200000

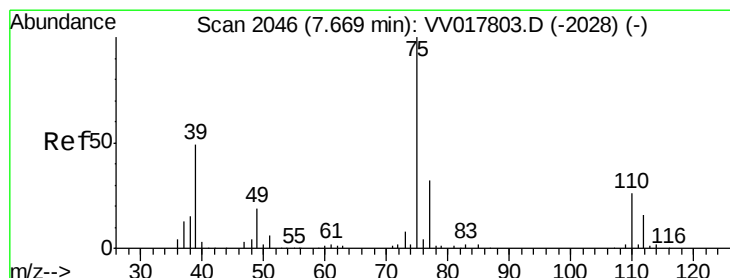
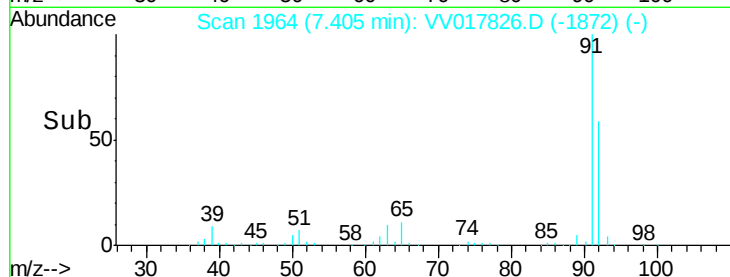
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.943 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017826.D

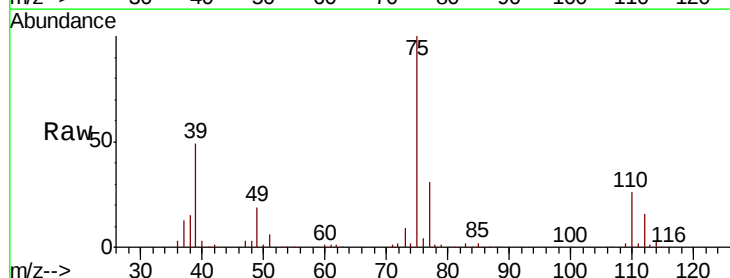
Acq: 07 Aug 2020 09:39

Tgt Ion: 75 Resp: 140999

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV017803.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV017803.D (-2028) (-)

7.67

100000

80000

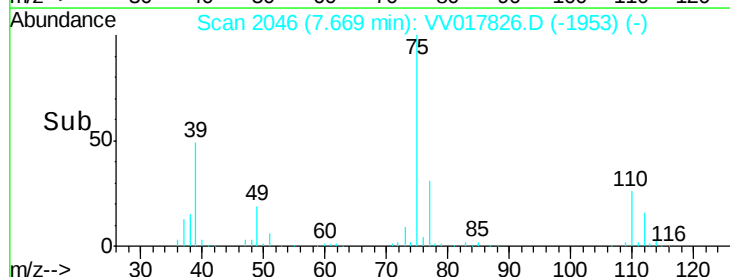
60000

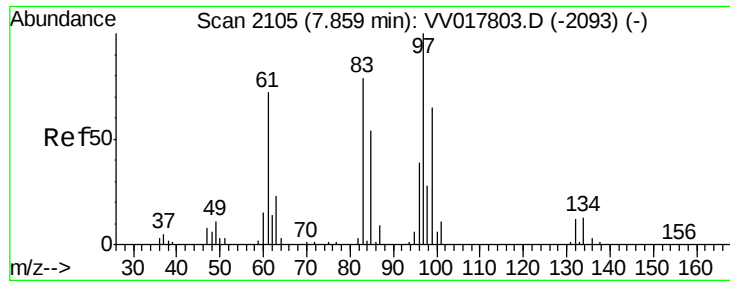
40000

20000

0

Time-->

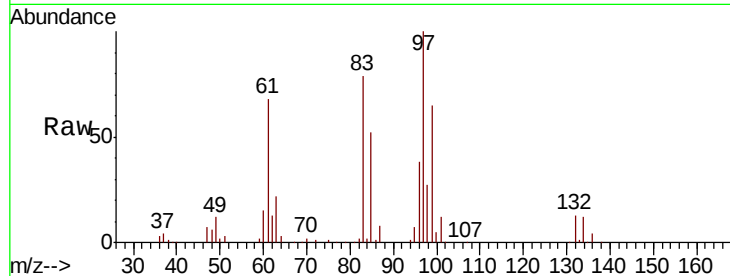




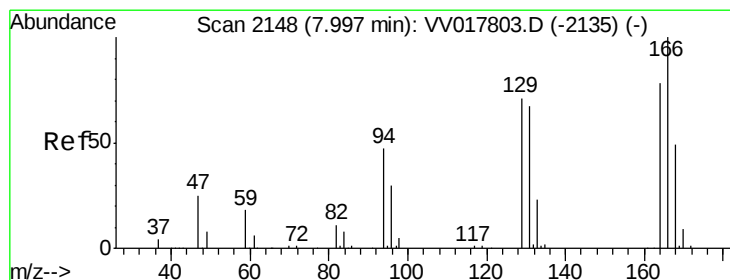
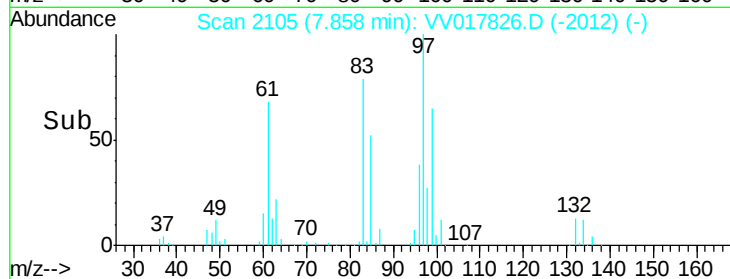
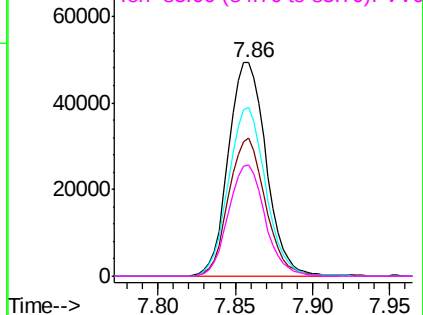
#45
1,1,2-Trichloroethane
Concen: 48.159 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	83847
Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.0	80.0
83	79.3	57.3	106.5
85	52.1	36.6	68.0

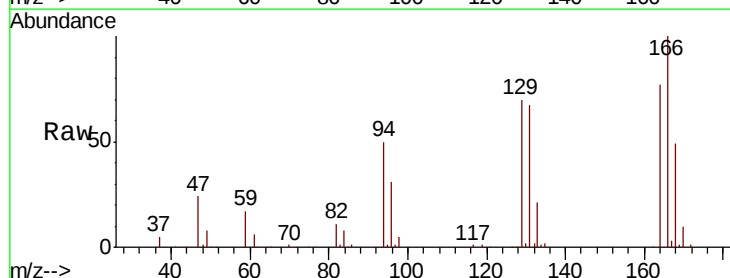


Abundance Ion 97.00 (96.70 to 97.70): VV017826.D (-2012) (-)
Ion 99.00 (98.70 to 99.70): VV017826.D (-2012) (-)
Ion 83.00 (82.70 to 83.70): VV017826.D (-2012) (-)
Ion 85.00 (84.70 to 85.70): VV017826.D (-2012) (-)

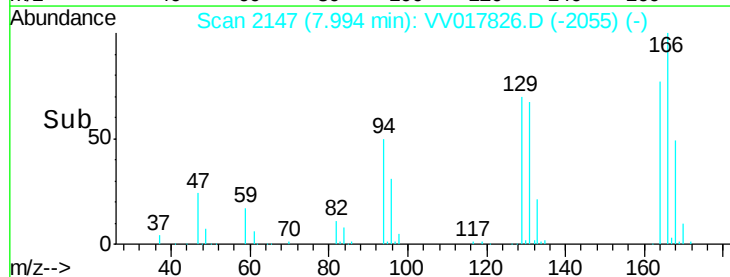
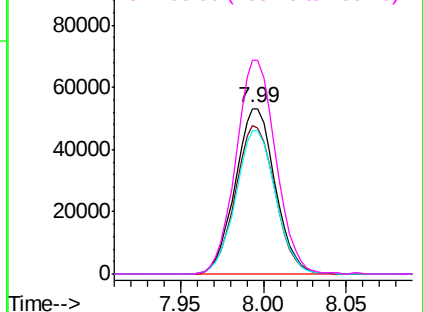


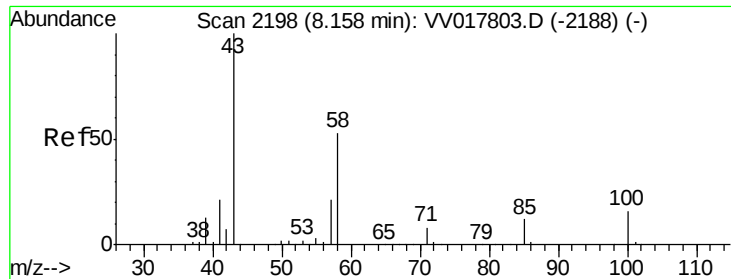
#46
Tetrachloroethene
Concen: 52.936 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion:	164	Resp:	88902
Ion	Ratio	Lower	Upper
164	100		
129	90.1	63.9	118.7
131	86.8	62.6	116.3
166	129.2	88.3	164.1



Abundance Ion 164.00 (163.70 to 164.70): VV017826.D (-2055) (-)
Ion 129.00 (128.70 to 129.70): VV017826.D (-2055) (-)
Ion 131.00 (130.70 to 131.70): VV017826.D (-2055) (-)
Ion 166.00 (165.70 to 166.70): VV017826.D (-2055) (-)

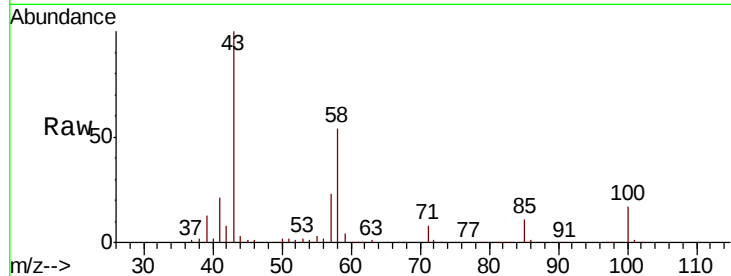




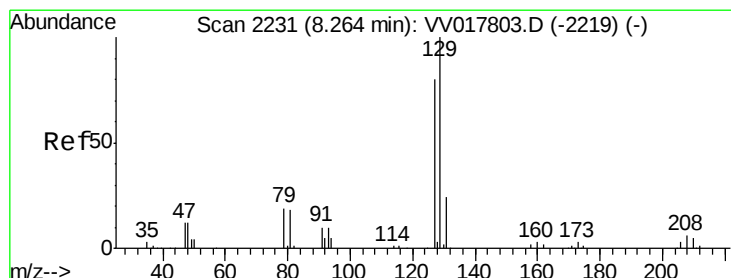
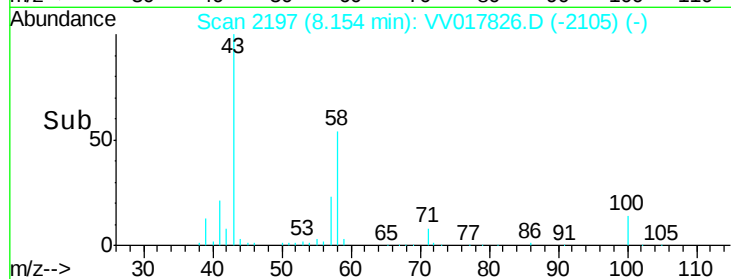
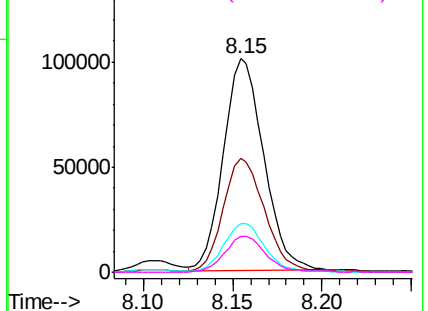
#48
2-Hexanone
Concen: 93.466 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 158435
Ion Ratio Lower Upper
43 100
58 55.0 42.8 64.2
57 23.0 16.6 24.8
100 17.3 11.6 17.4

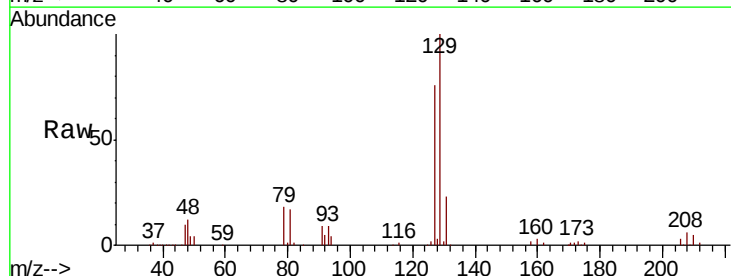


Abundance Ion 43.00 (42.70 to 43.70): VV017803.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV017803.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV017803.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV017803.D (-2188) (-)

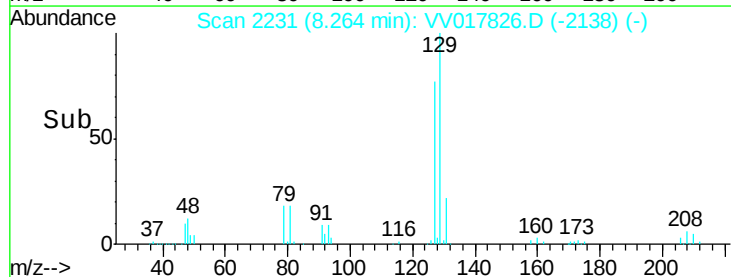
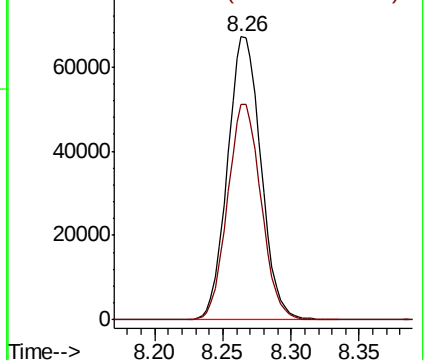


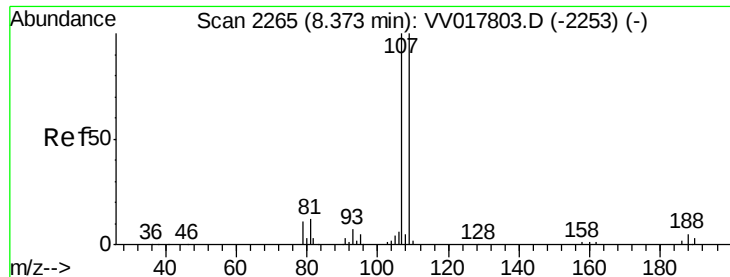
#49
Dibromochloromethane
Concen: 50.225 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion: 129 Resp: 114378
Ion Ratio Lower Upper
129 100
127 76.1 52.6 97.8



Abundance Ion 129.00 (128.70 to 129.70): VV017803.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV017803.D (-2219) (-)

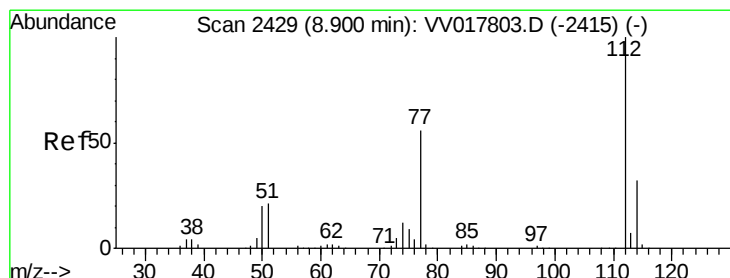
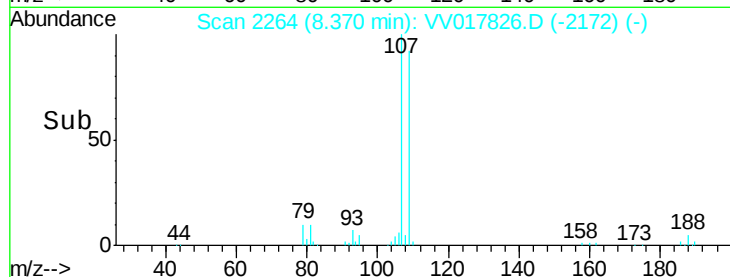
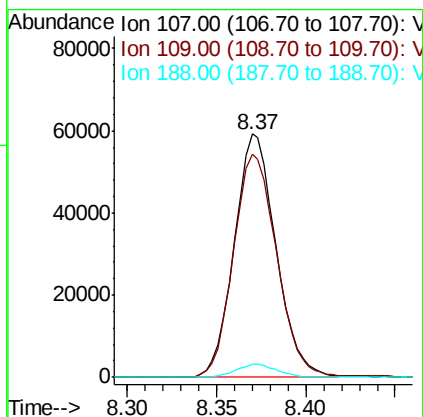
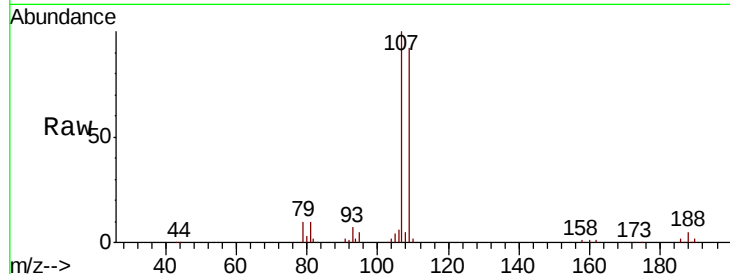




#50
1,2-Dibromoethane
Concen: 50.807 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

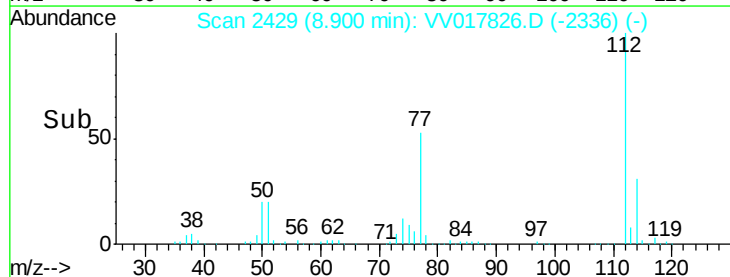
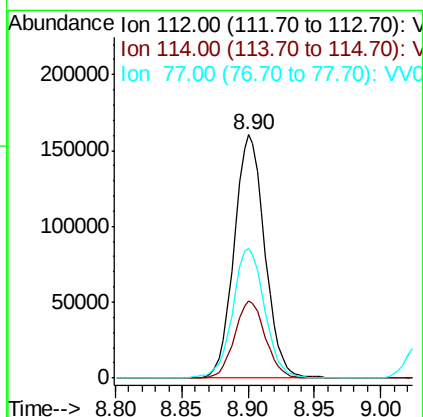
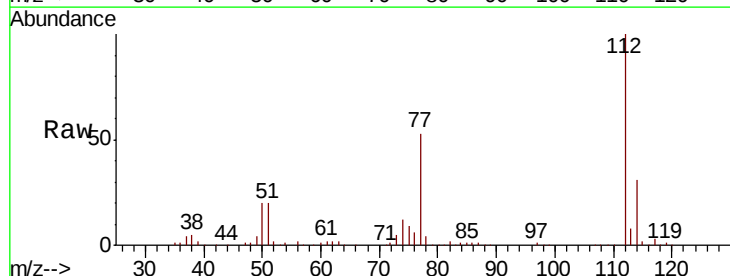
Instrument :
MSVOA_V
ClientSampleId :

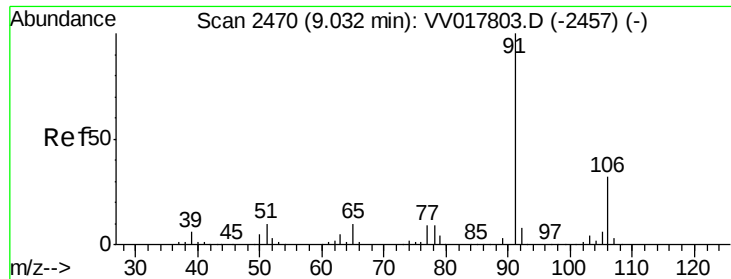
Tot Ion:107 Resp: 96319
Ion Ratio Lower Upper
107 100
109 91.7 65.5 121.7
188 5.3 3.6 5.4



#51
Chlorobenzene
Concen: 50.628 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion:112 Resp: 257357
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.1
77 53.3 46.6 70.0





#52

Ethylbenzene

Concen: 50.019 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

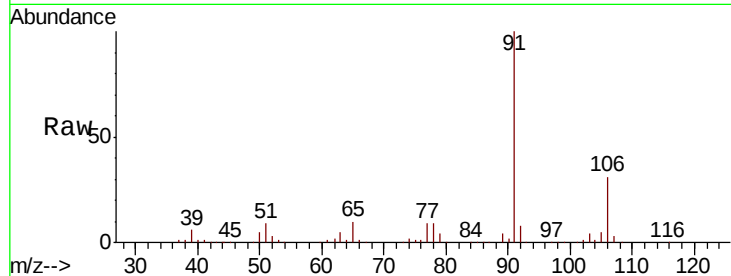
ClientSampleId :

Tot Ion: 91 Resp: 424592

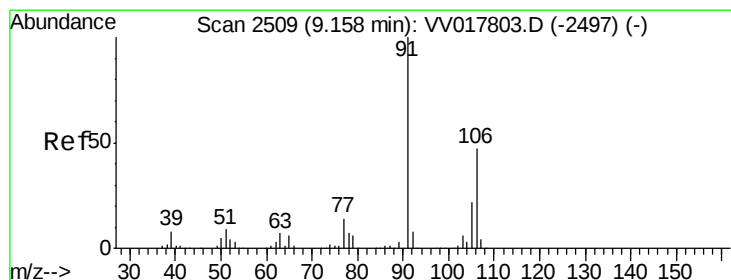
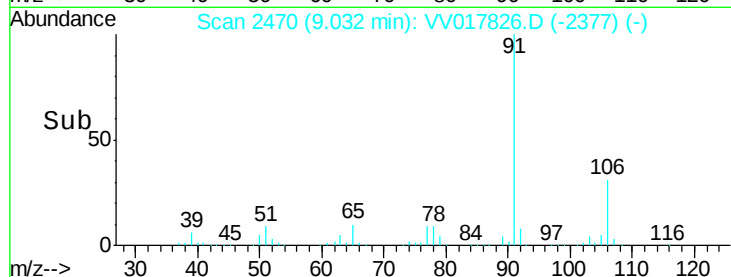
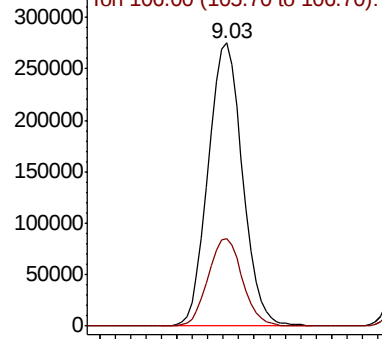
Ion Ratio Lower Upper

91 100

106 31.0 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV017803.D (-2457) (-)



#53

m,p-Xylene

Concen: 50.814 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017826.D

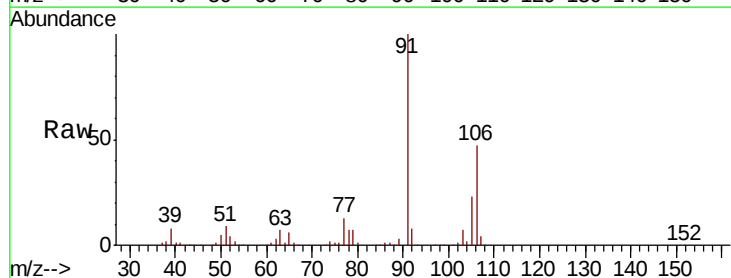
Acq: 07 Aug 2020 09:39

Tgt Ion: 106 Resp: 165352

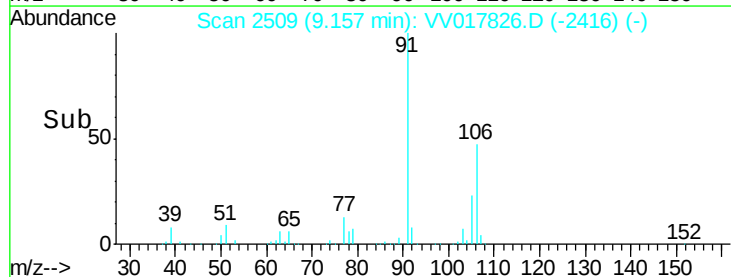
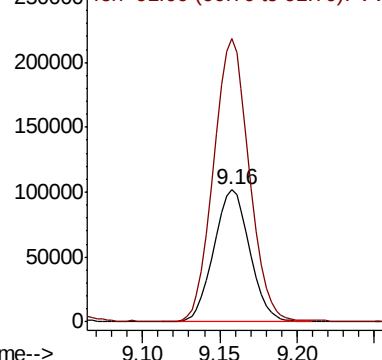
Ion Ratio Lower Upper

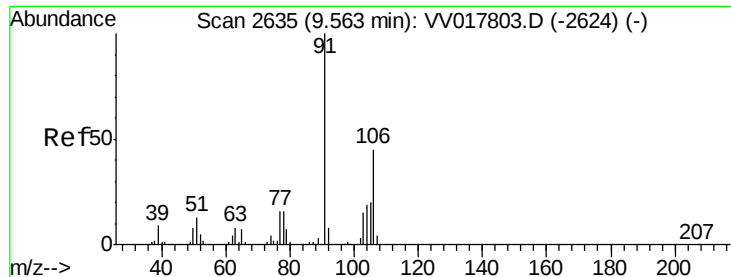
106 100

91 214.5 145.8 270.8



Abundance Ion 106.00 (105.70 to 106.70): VV017803.D (-2497) (-)

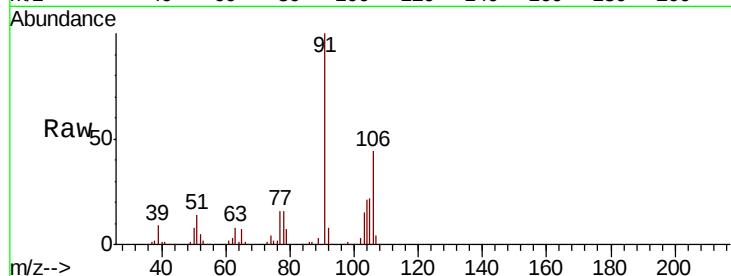




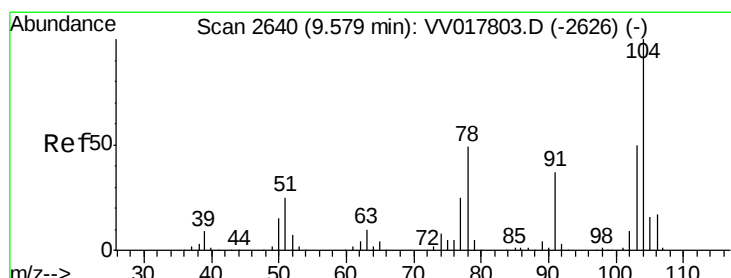
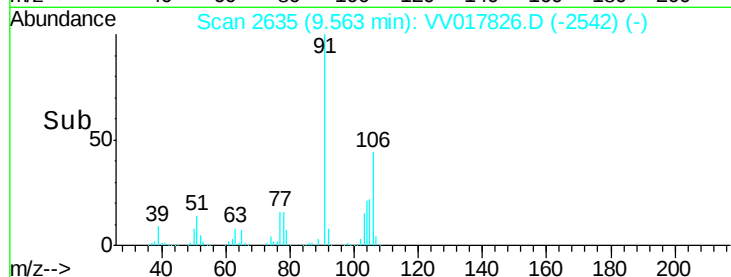
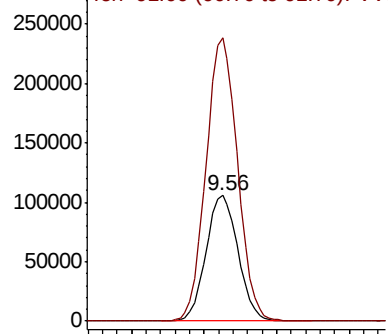
#54
o-xylene
Concen: 51.379 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 161793
Ion Ratio Lower Upper
106 100
91 225.5 156.4 290.4

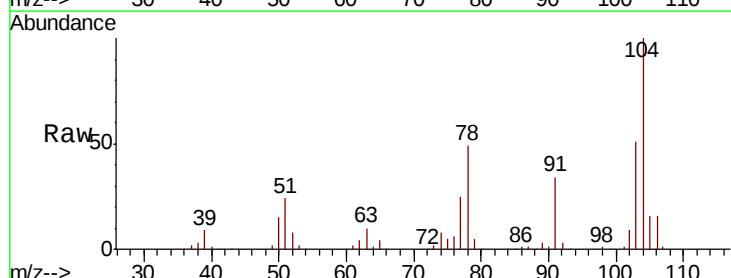


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

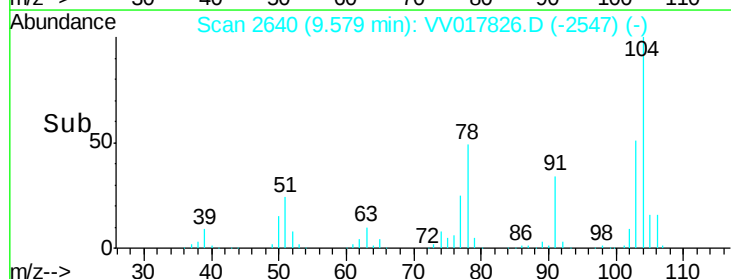
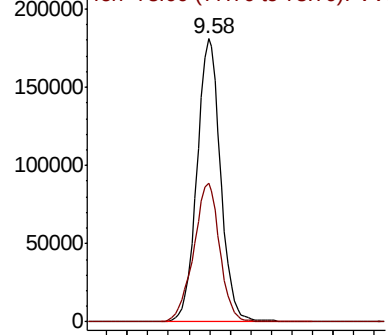


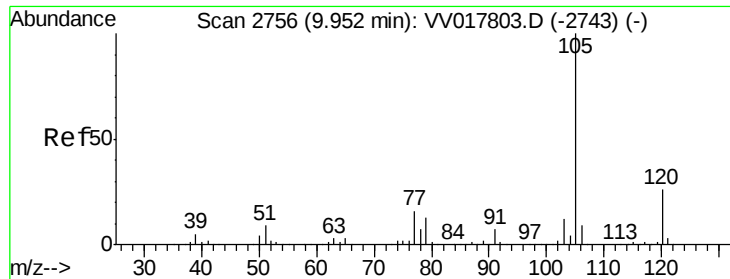
#55
Styrene
Concen: 52.692 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion:104 Resp: 288617
Ion Ratio Lower Upper
104 100
78 49.0 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.771 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :
MSVOA_V
ClientSampleId :

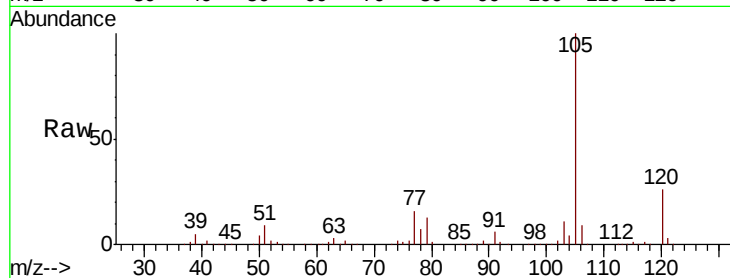
Tot Ion:105 Resp: 454829

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

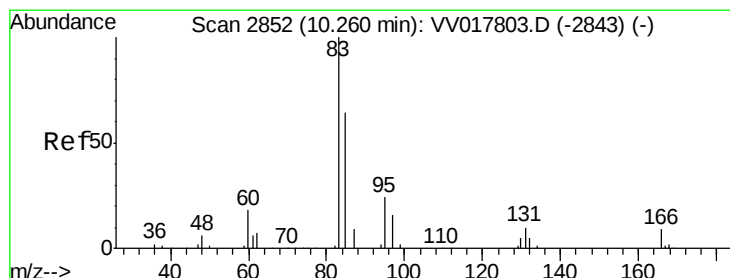
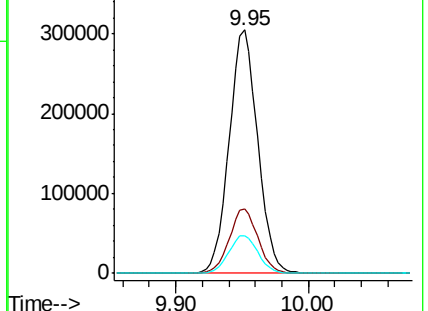
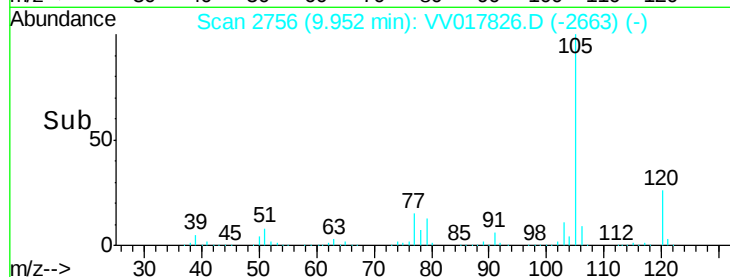
77 16.0 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): VV017803.D (-2743) (-)

Ion 120.00 (119.70 to 120.70): VV017803.D (-2743) (-)

Ion 77.00 (76.70 to 77.70): VV017803.D (-2743) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 46.412 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

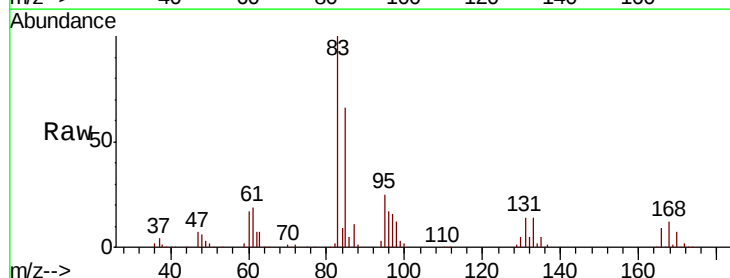
Tgt Ion: 83 Resp: 117613

Ion Ratio Lower Upper

83 100

85 66.2 45.6 84.8

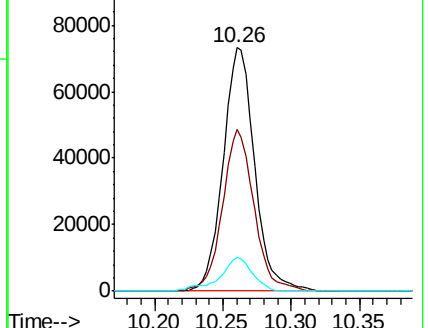
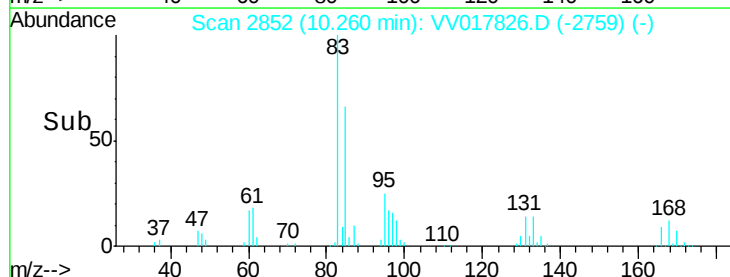
131 14.0 9.5 14.3

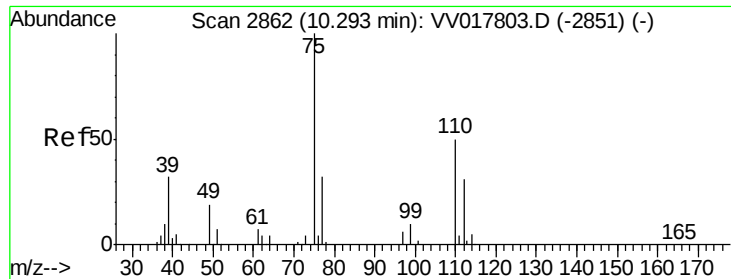


Abundance Ion 83.00 (82.70 to 83.70): VV017803.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VV017803.D (-2843) (-)

Ion 131.00 (130.70 to 131.70): VV017803.D (-2843) (-)

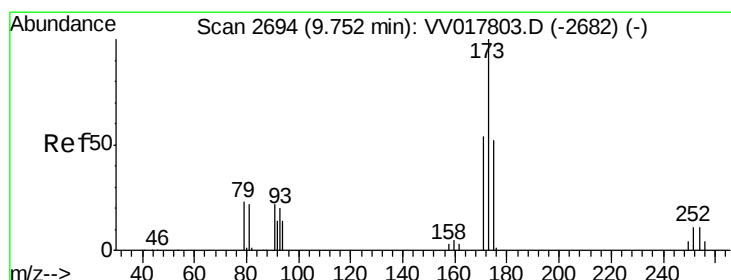
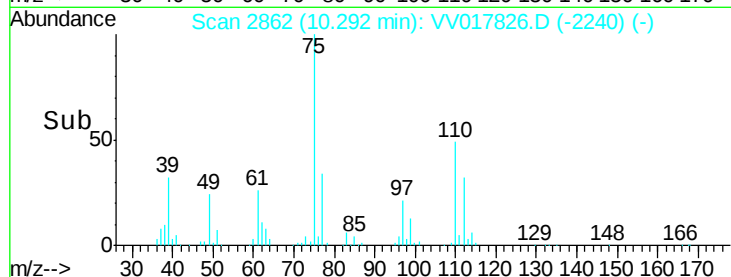
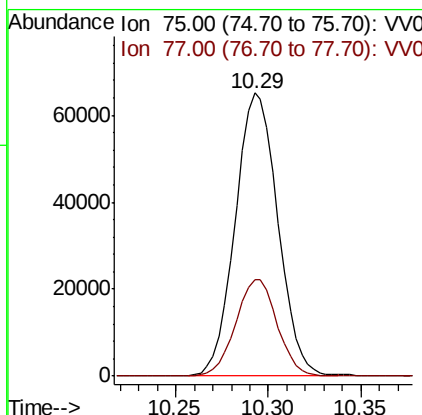
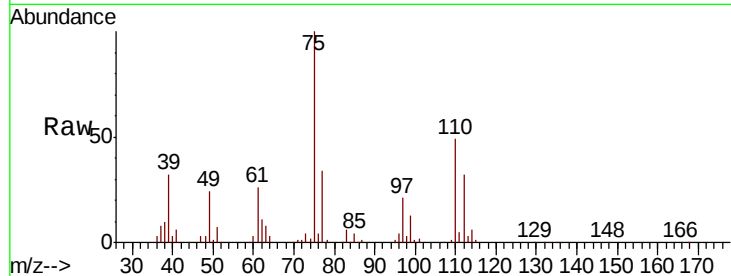




#59
 1,2,3-Trichloropropane
 Concen: 46.758 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

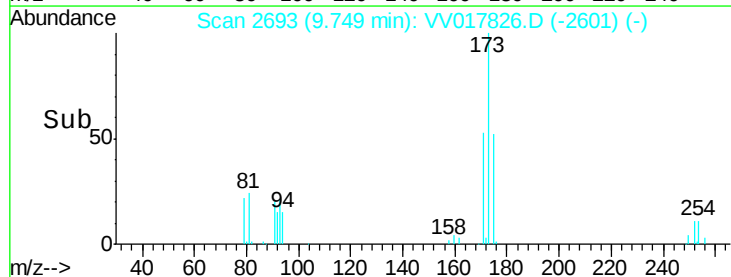
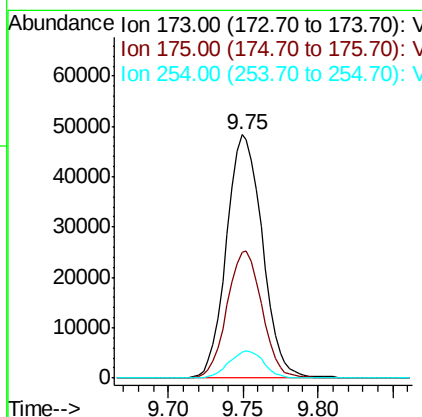
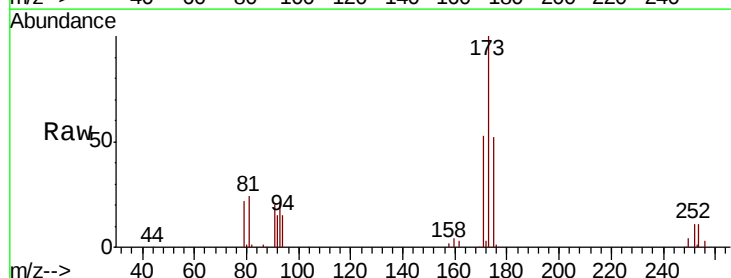
Instrument :
 MSVOA_V
 ClientSampleId :

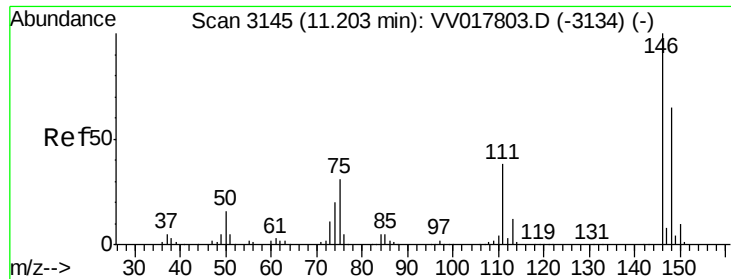
Tot Ion: 75 Resp: 104020
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.1 37.7



#61
 Bromoform
 Concen: 45.073 ug/L
 RT: 9.75 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Tgt Ion:173 Resp: 81140
 Ion Ratio Lower Upper
 173 100
 175 50.6 39.8 59.8
 254 10.8 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 52.300 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

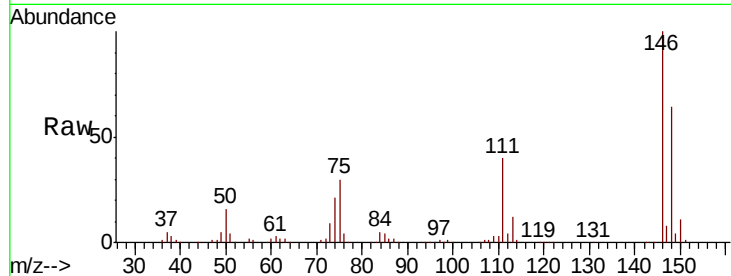
Tot Ion:146 Resp: 243556

Ion Ratio Lower Upper

146 100

111 40.2 27.6 51.4

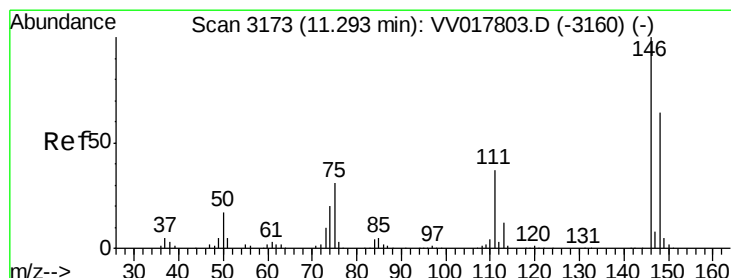
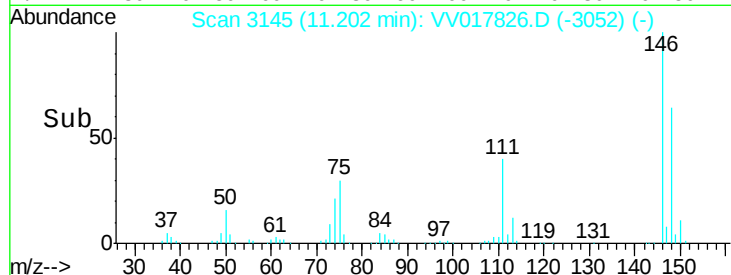
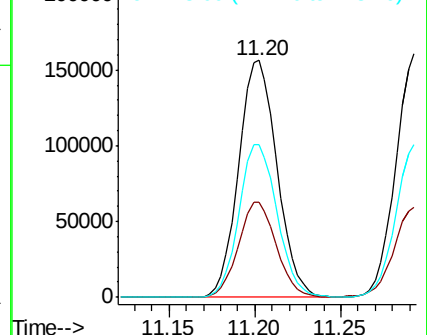
148 64.4 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.072 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

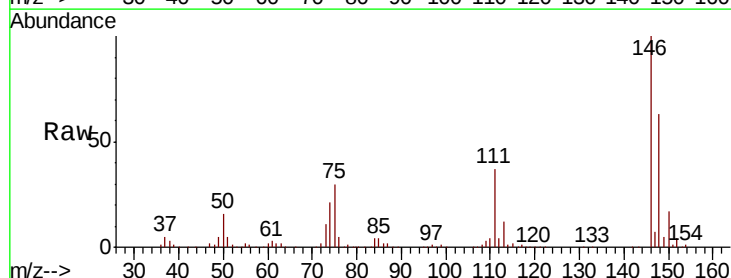
Tgt Ion:146 Resp: 246392

Ion Ratio Lower Upper

146 100

111 36.8 26.4 49.0

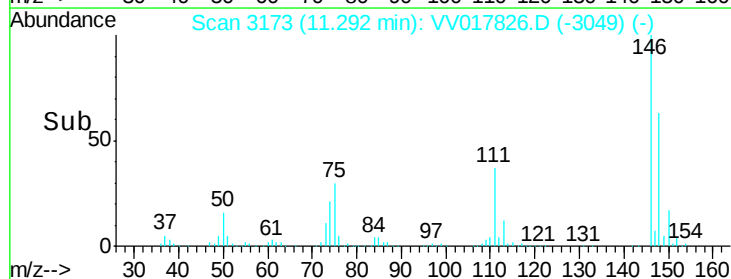
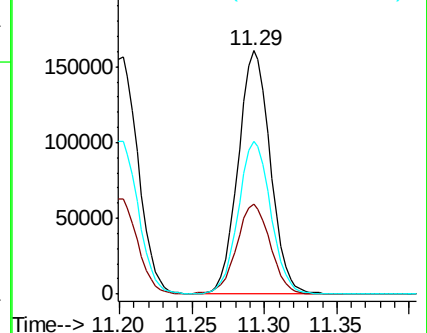
148 62.8 45.3 84.1

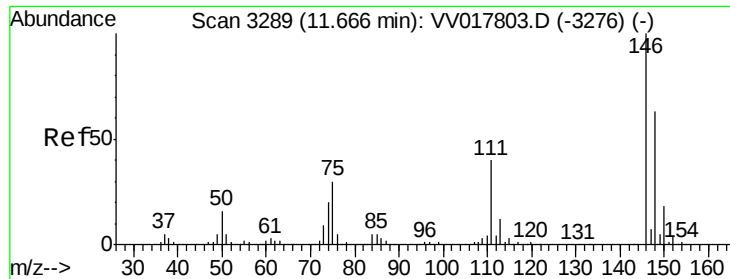


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

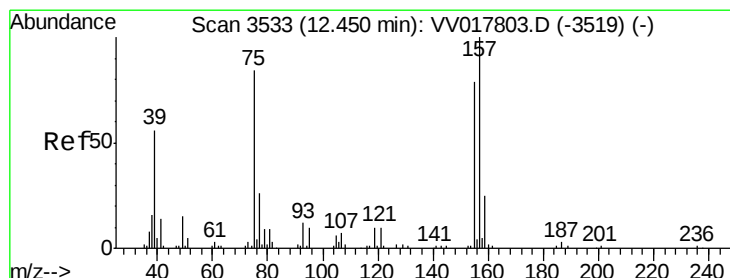
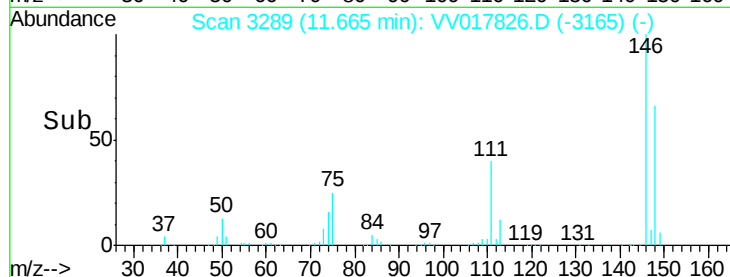
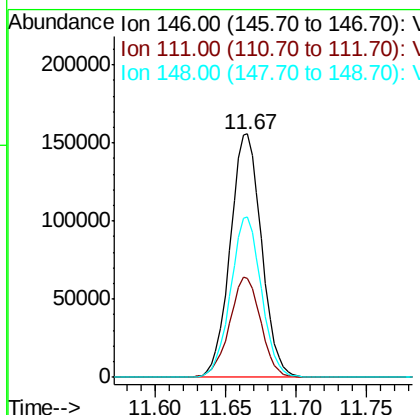
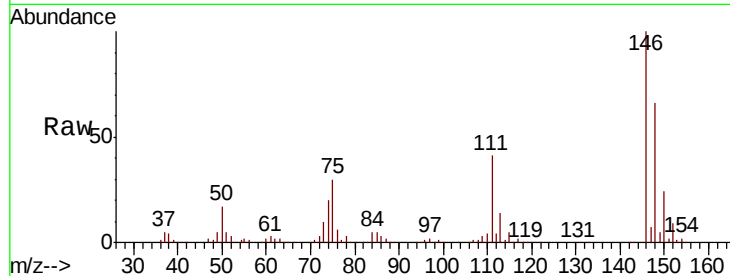




#65
 1,2-Dichlorobenzene
 Concen: 51.797 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

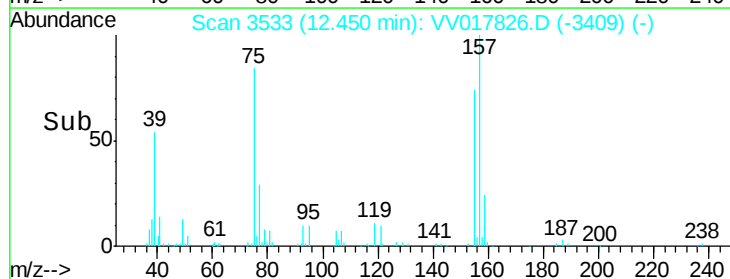
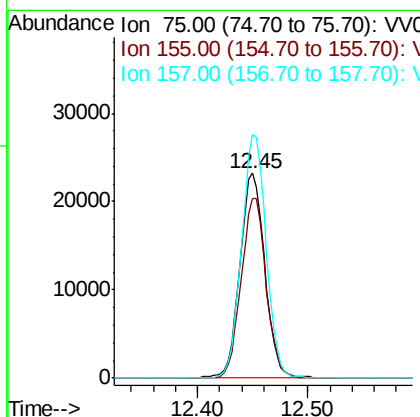
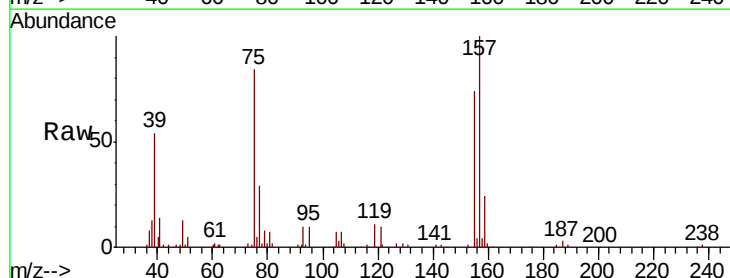
Instrument :
 MSVOA_V
 ClientSampleId :

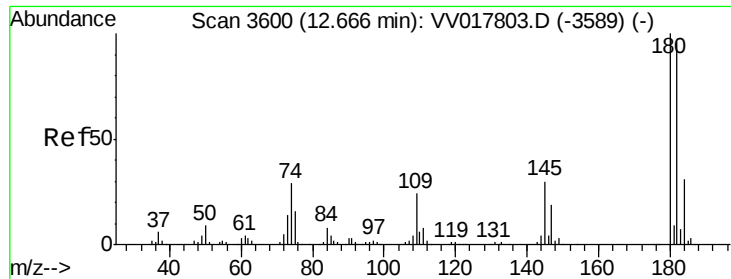
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.6	49.0
148	66.1	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.730 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	70.2	105.2
157	118.8	88.9	133.3

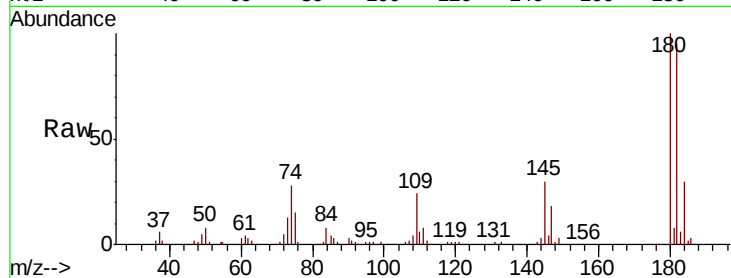




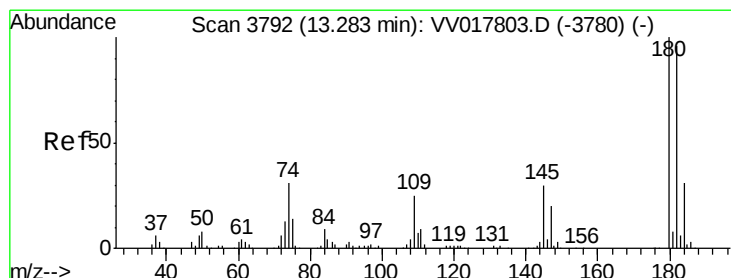
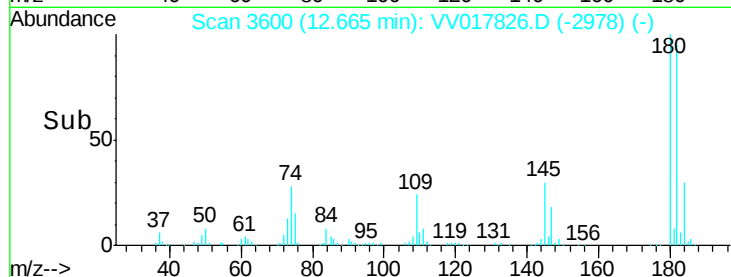
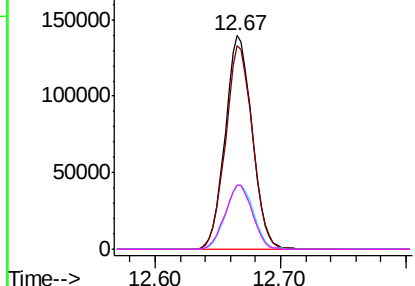
#67
 1,3,5-Trichlorobenzene
 Concen: 56.974 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	207475
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
184	31.1	25.1	37.7
145	30.4	24.3	36.5

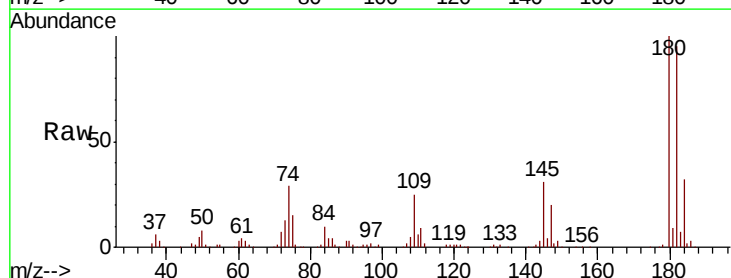


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

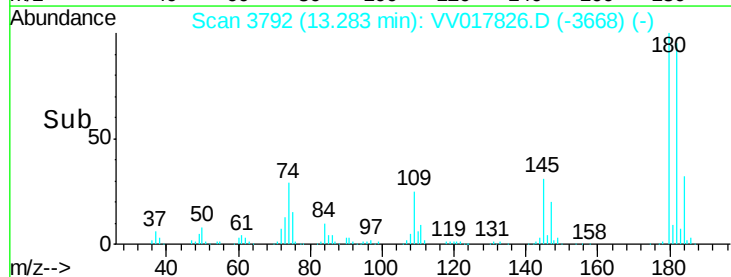
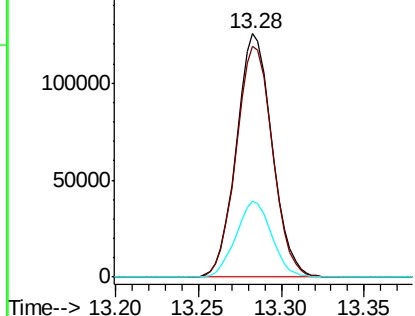


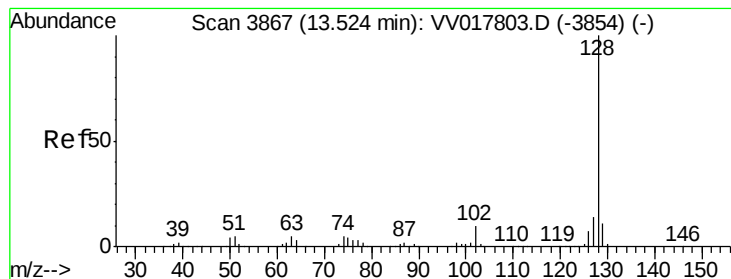
#68
 1,2,4-trichlorobenzene
 Concen: 59.531 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Tgt Ion:	180	Resp:	188150
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.0	114.0
145	31.2	24.6	36.8



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: 57.810 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

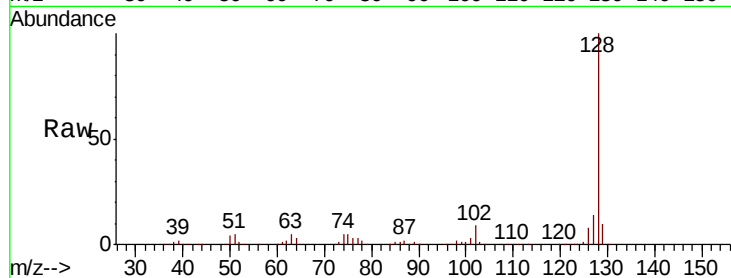
Tot Ion:128 Resp: 481990

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

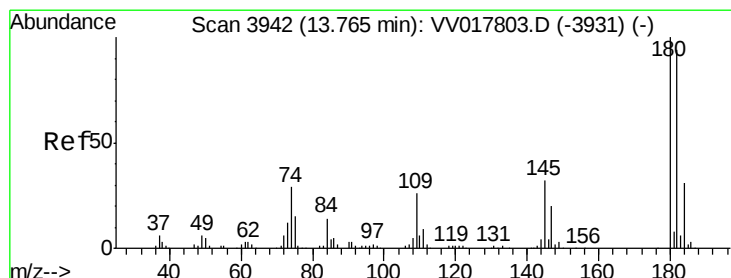
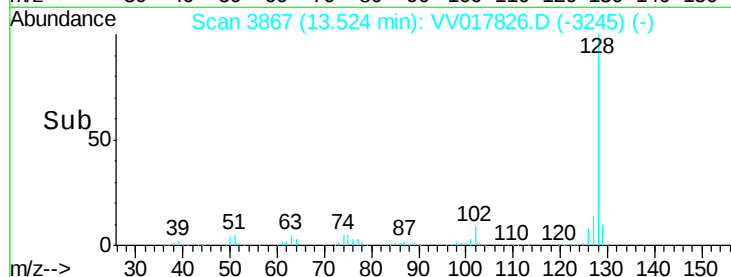
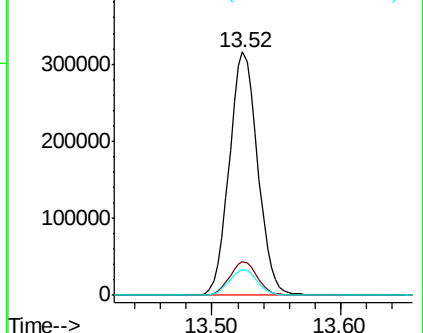
129 10.5 8.4 12.6



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: 58.494 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

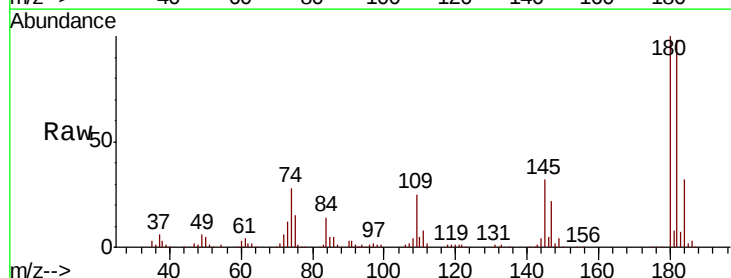
Tgt Ion:180 Resp: 183353

Ion Ratio Lower Upper

180 100

182 96.9 76.7 115.1

145 32.8 26.4 39.6



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

