

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101420\
 Data File : VV018896.D
 Acq On : 14 Oct 2020 15:32
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV06

Quant Time: Oct 15 02:08:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 15 02:07:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	362244	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	351727	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	186946	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	144994	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.26%
7) Chloroethane-d5	1.58	69	113759	48.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.30%
11) 1,1-Dichloroethene-d2	2.12	63	275313	48.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.82%
21) 2-Butanone-d5	3.92	46	204581	98.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.43%
24) Chloroform-d	4.37	84	260388	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.06	65	173242	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
32) Benzene-d6	5.07	84	511256	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.58%
36) 1,2-Dichloropropane-d6	6.09	67	164912	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.46%
41) Toluene-d8	7.33	98	477200	51.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.62%
43) trans-1,3-Dichloropropene-	7.64	79	81919	51.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.10%
47) 2-Hexanone-d5	8.11	63	127033	104.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.16%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	195049	50.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	187622	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	157264	50.137	ug/L 100
3) Chloromethane	1.25	50	168911	47.748	ug/L 97
5) Vinyl chloride	1.32	62	166016	48.556	ug/L 98
6) Bromomethane	1.53	94	100485	48.170	ug/L 99
8) Chloroethane	1.60	64	100723	49.118	ug/L 100
9) Trichlorofluoromethane	1.77	101	223738	49.578	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	116598	49.617	ug/L 98
12) 1,1-Dichloroethene	2.13	96	117376	49.288	ug/L 99
13) Acetone	2.21	43	140704	92.644	ug/L 98
14) Carbon disulfide	2.31	76	400730	49.391	ug/L 99
15) Methyl Acetate	2.45	43	153375	49.160	ug/L 100
16) Methylene chloride	2.52	84	134991	47.250	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	128995	48.796	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	413587	49.517	ug/L 100
19) 1,1-Dichloroethane	3.21	63	250654	48.738	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	135955	48.524	ug/L 98
22) 2-Butanone	4.01	43	207777	100.618	ug/L 99

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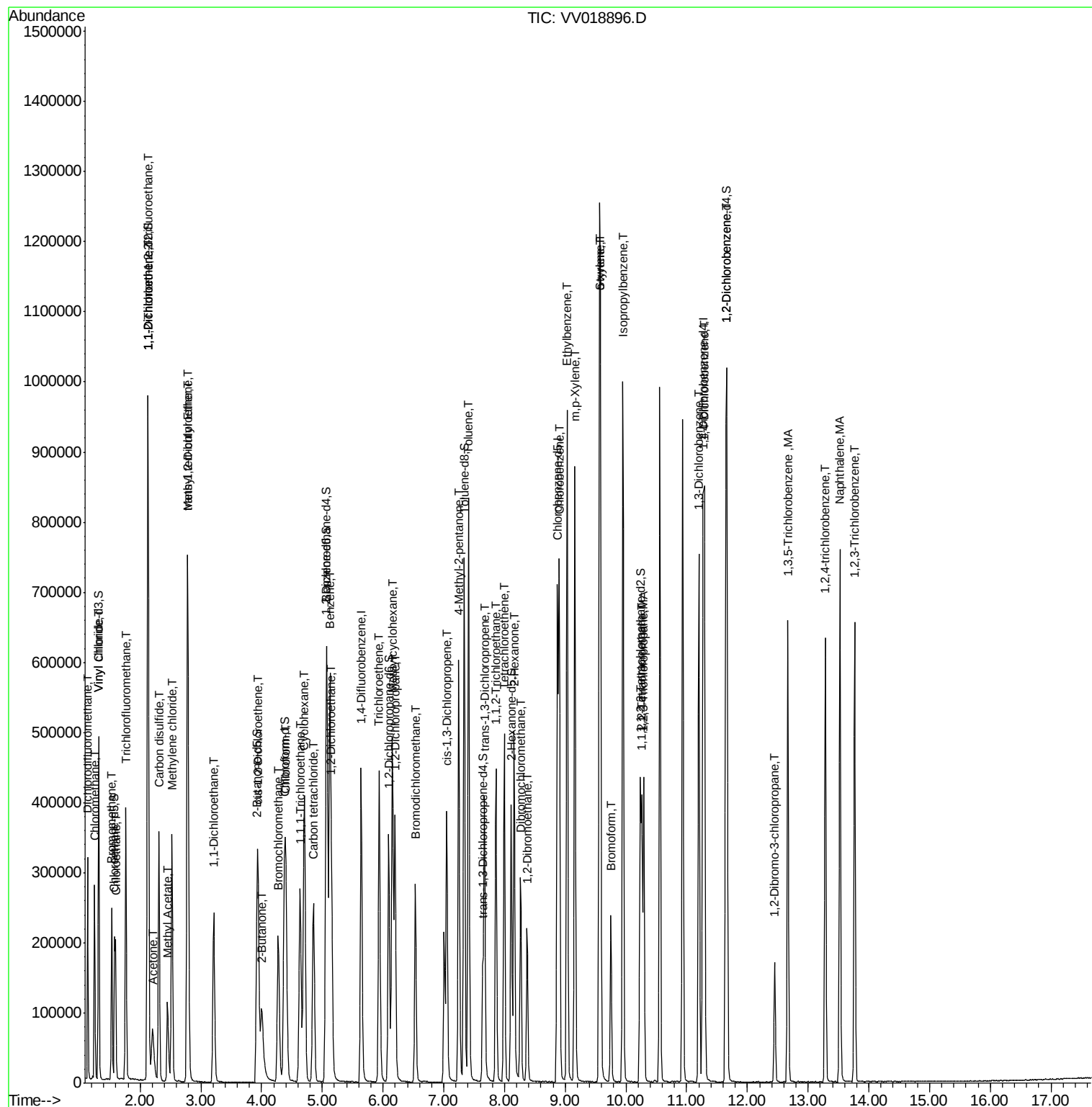
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	71651	49.517	uq/L	98
25) Chloroform	4.40	83	249623	48.268	uq/L	98
27) 1,2-Dichloroethane	5.15	62	203667	48.209	uq/L	99
29) Cyclohexane	4.70	56	224752	53.769	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	220848	50.603	uq/L	99
31) Carbon tetrachloride	4.86	117	188828	50.835	uq/L	99
33) Benzene	5.13	78	550281	51.037	uq/L	100
34) Trichloroethene	5.94	95	150870	48.523	uq/L	98
35) Methylcyclohexane	6.15	83	194449	51.638	uq/L	99
37) 1,2-Dichloropropane	6.20	63	144525	50.072	uq/L	99
38) Bromodichloromethane	6.53	83	184380	49.825	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	223612	51.559	uq/L	99
40) 4-Methyl-2-pentanone	7.25	43	403064	101.262	uq/L	99
42) Toluene	7.41	91	580491	52.128	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	216974	51.626	uq/L	100
45) 1,1,2-Trichloroethane	7.86	97	130082	48.451	uq/L	98
46) Tetrachloroethene	8.00	164	109248	49.856	uq/L	99
48) 2-Hexanone	8.16	43	325261	103.062	uq/L	99
49) Dibromochloromethane	8.27	129	143914	50.631	uq/L	99
50) 1,2-Dibromoethane	8.37	107	139824	49.973	uq/L	99
51) Chlorobenzene	8.90	112	360377	49.638	uq/L	100
52) Ethylbenzene	9.03	91	629622	52.229	uq/L	99
53) m,p-Xylene	9.16	106	235722	52.486	uq/L	99
54) o-xylene	9.56	106	227946	53.051	uq/L	99
55) Styrene	9.58	104	403898	53.443	uq/L	98
56) Isopropylbenzene	9.95	105	602820	53.442	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	183775	50.411	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	172054	49.246	uq/L	99
61) Bromoform	9.75	173	102319	50.103	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	291603	50.316	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	302542	49.653	uq/L	99
65) 1,2-Dichlorobenzene	11.66	146	292942	50.100	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	41598	47.739	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	197537	50.740	uq/L	100
68) 1,2,4-trichlorobenzene	13.28	180	186885	52.096	uq/L	99
69) Naphthalene	13.52	128	550041	54.029	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	188402	52.541	uq/L	100

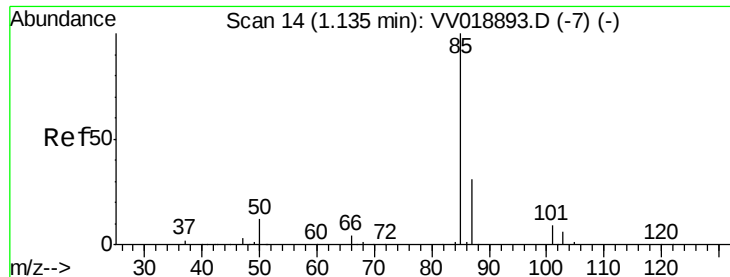
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.137 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

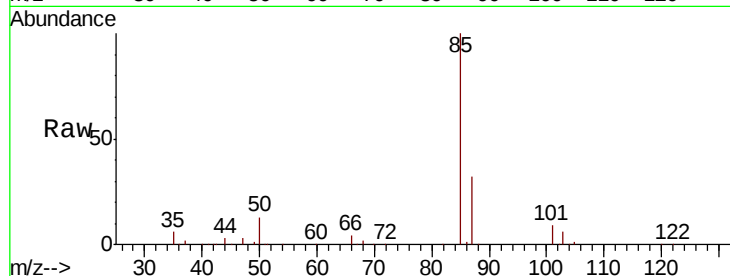
VICV06

Tot Ion: 85 Resp: 157264

Ion Ratio Lower Upper

85 100

87 31.8 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV018893.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018896.D (-1) (-)

1.14

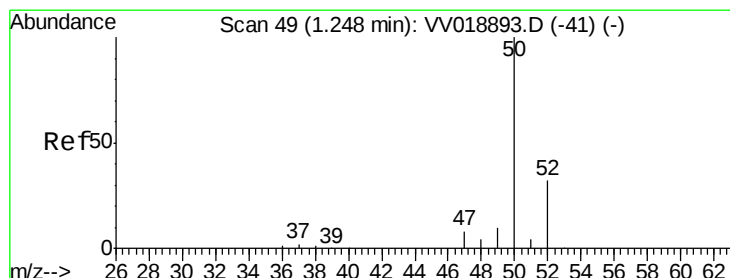
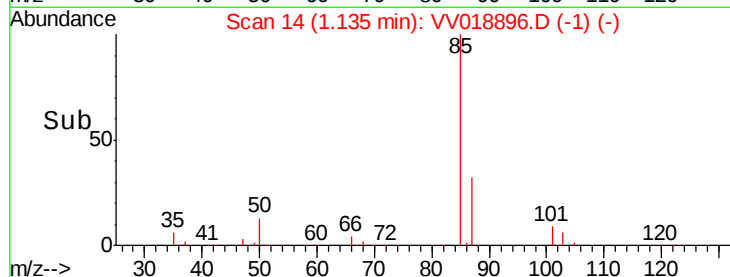
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.748 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018896.D

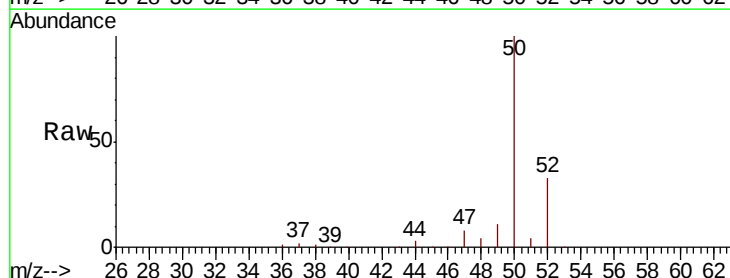
Acq: 14 Oct 2020 15:32

Tgt Ion: 50 Resp: 168911

Ion Ratio Lower Upper

50 100

52 33.4 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV018893.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV018896.D (-1) (-)

1.25

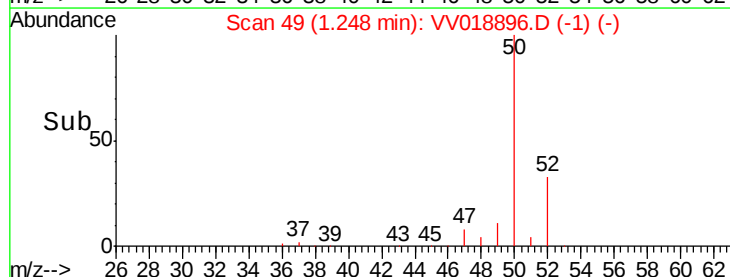
150000

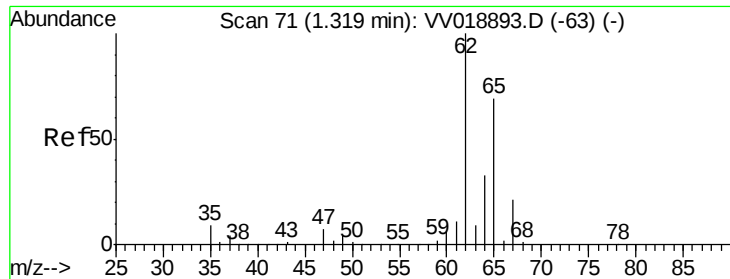
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 48.556 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampled :

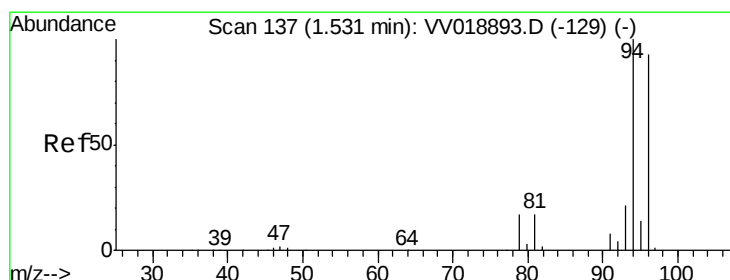
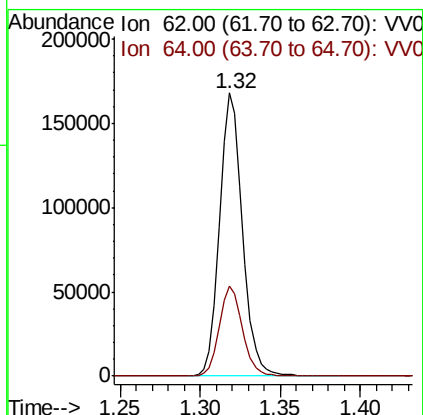
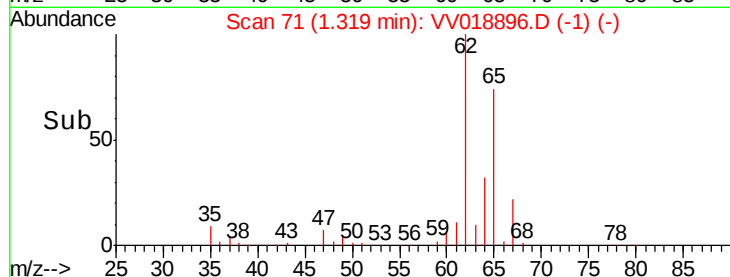
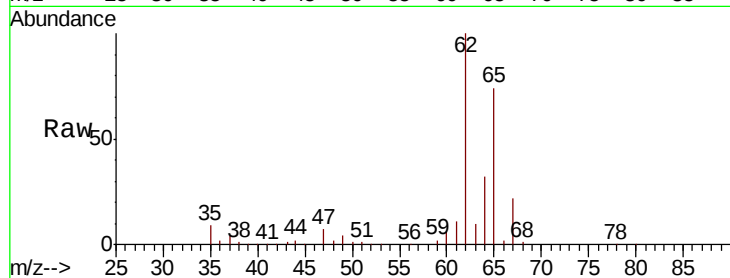
VICV06

Tot Ion: 62 Resp: 166016

Ion Ratio Lower Upper

62 100

64 31.8 23.2 43.2



#6

Bromomethane

Concen: 48.170 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018896.D

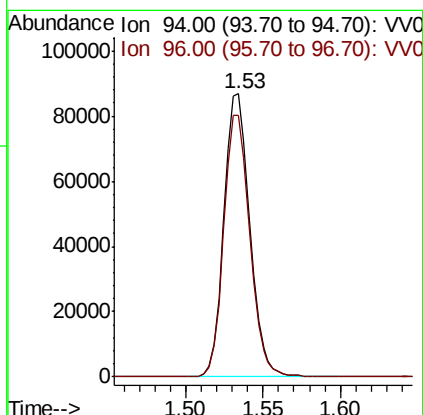
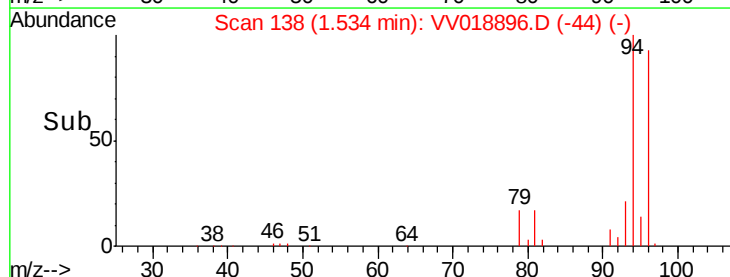
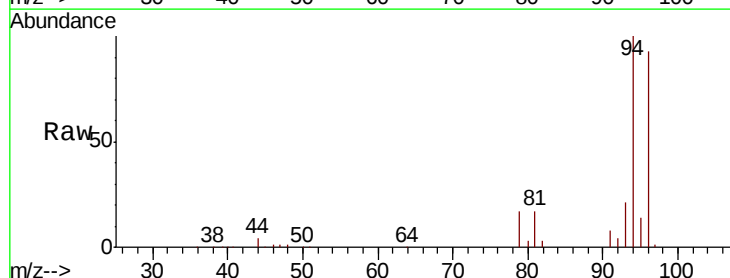
Acq: 14 Oct 2020 15:32

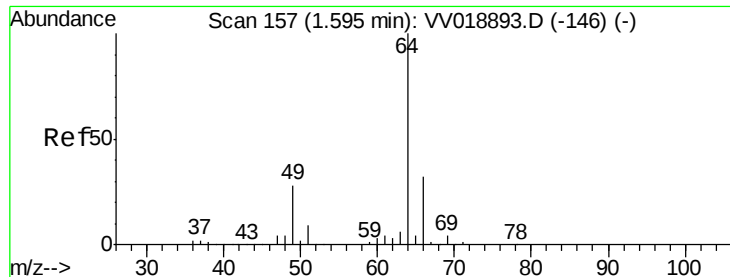
Tgt Ion: 94 Resp: 100485

Ion Ratio Lower Upper

94 100

96 92.6 65.3 121.3





#8

Chloroethane

Concen: 49.118 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

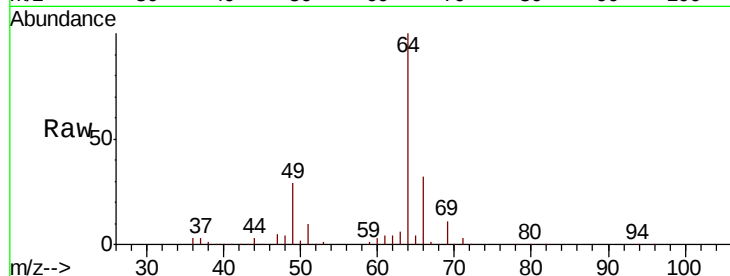
VICV06

Tot Ion: 64 Resp: 100723

Ion Ratio Lower Upper

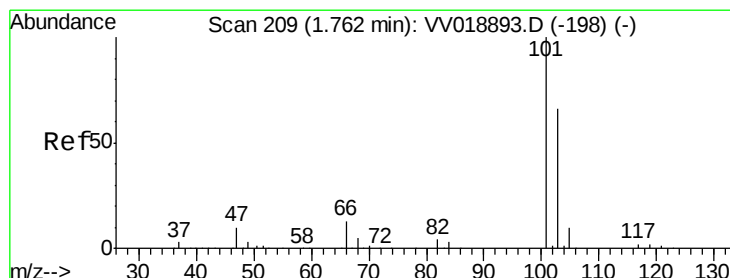
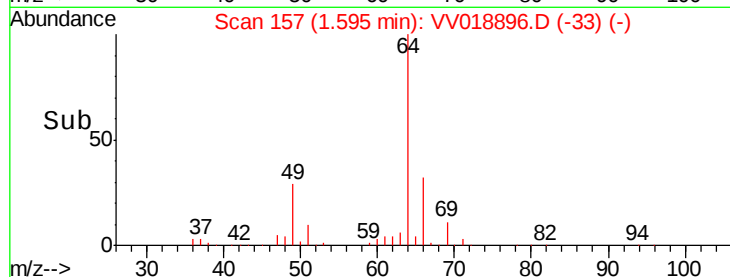
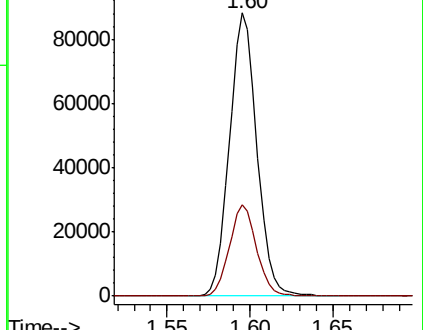
64 100

66 32.3 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV018893.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV018896.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 49.578 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018896.D

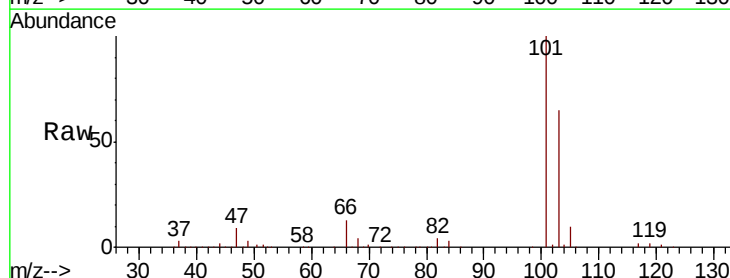
Acq: 14 Oct 2020 15:32

Tgt Ion: 101 Resp: 223738

Ion Ratio Lower Upper

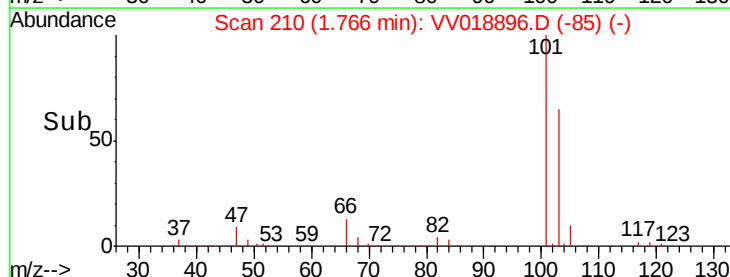
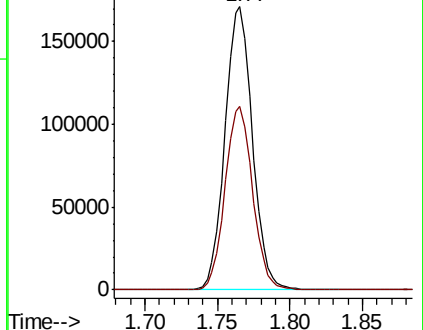
101 100

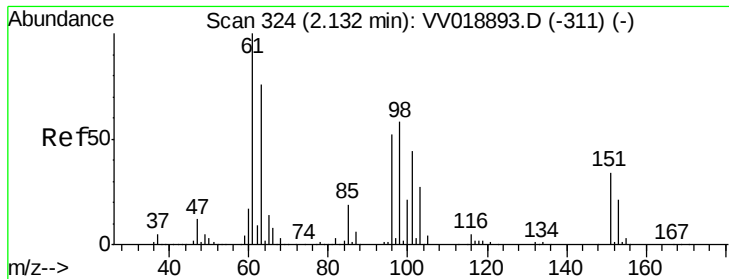
103 65.3 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018893.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV018896.D (-85) (-)





#10

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

Concen: 49.617 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

VICV06

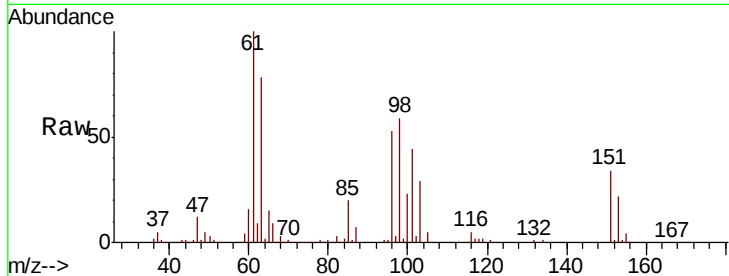
Tot Ion:101 Resp: 116598

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.4

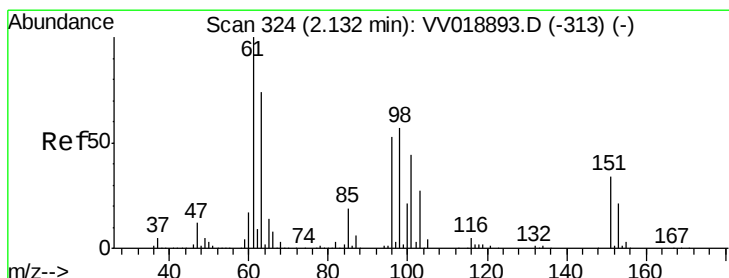
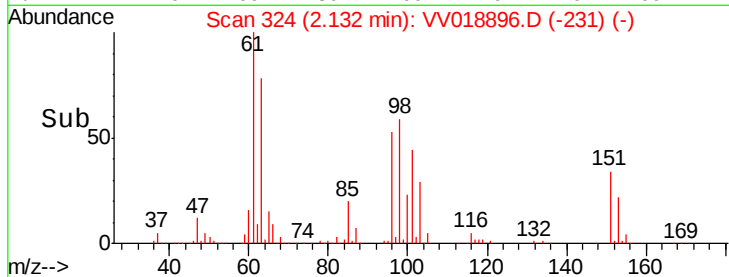
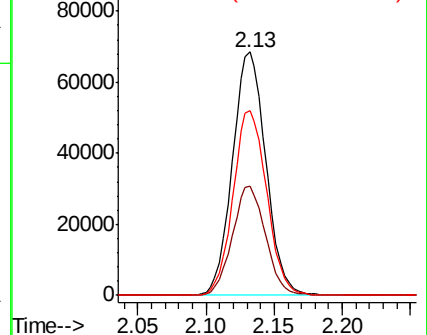
151 76.2 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.288 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

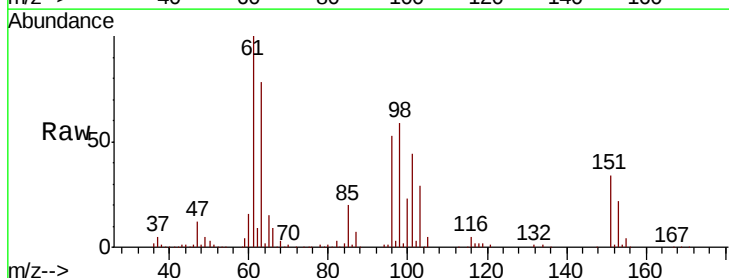
Tgt Ion: 96 Resp: 117376

Ion Ratio Lower Upper

96 100

61 187.9 133.5 247.9

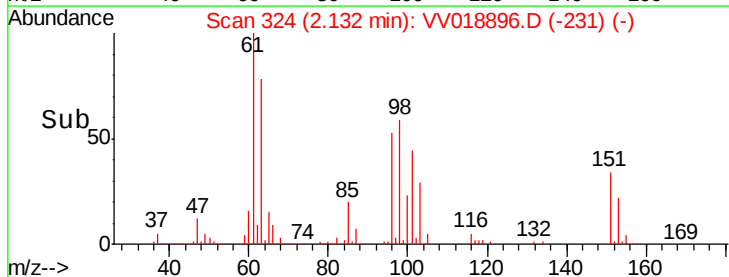
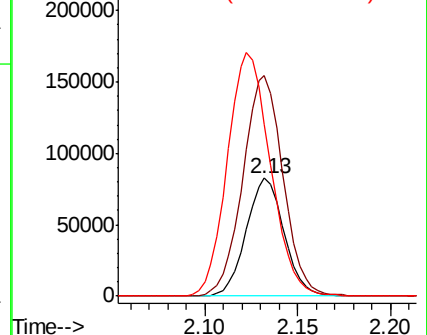
63 146.0 102.1 189.7

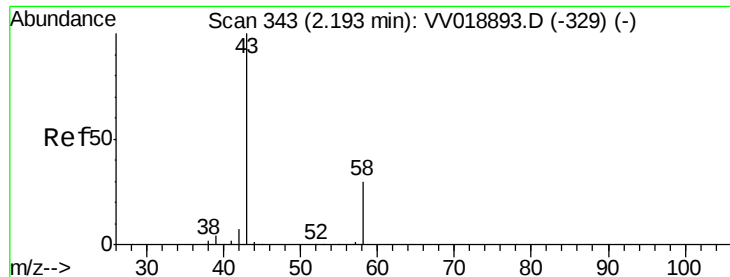


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 92.644 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampled :

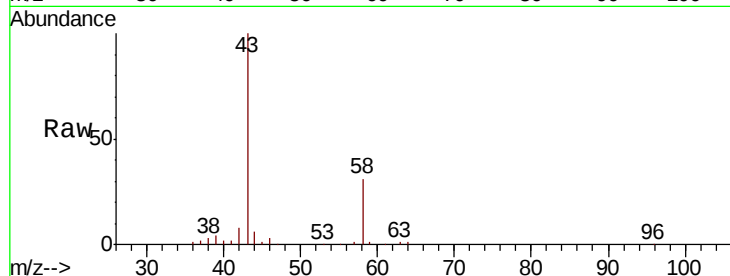
VICV06

Tot Ion: 43 Resp: 140704

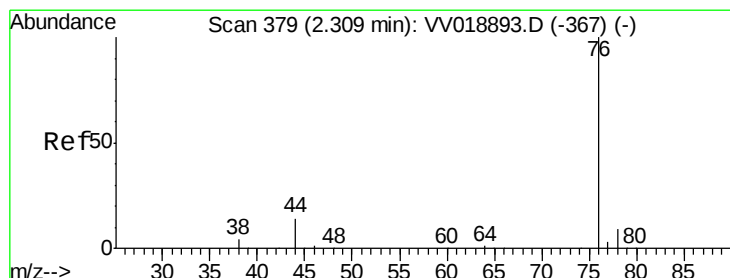
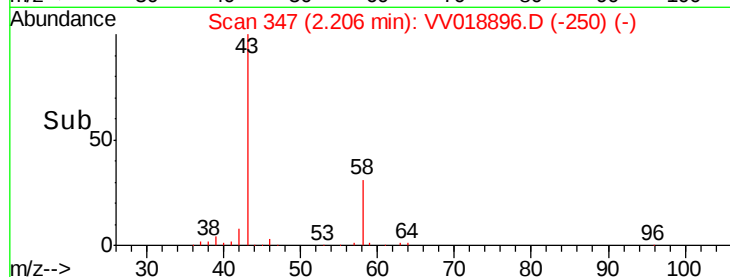
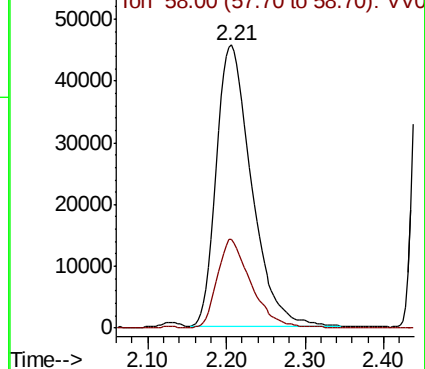
Ion Ratio Lower Upper

43 100

58 30.5 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV018896.D (-250) (-)



#14

Carbon disulfide

Concen: 49.391 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018896.D

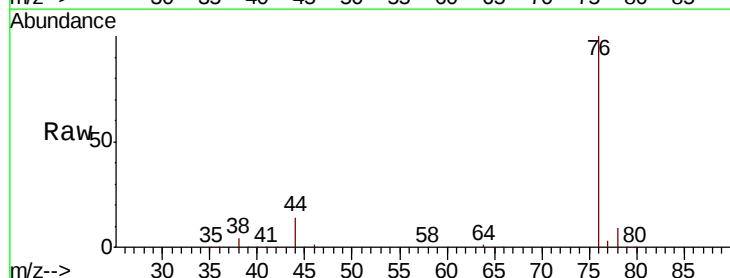
Acq: 14 Oct 2020 15:32

Tgt Ion: 76 Resp: 400730

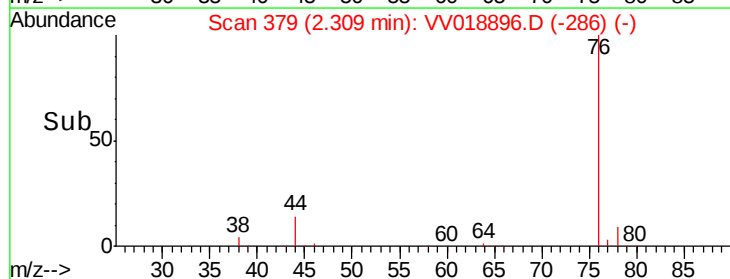
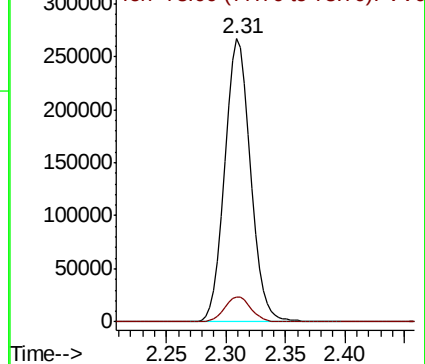
Ion Ratio Lower Upper

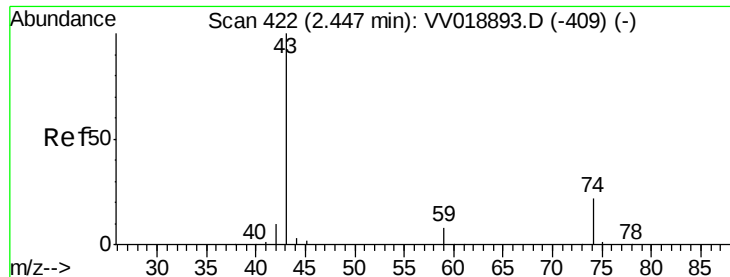
76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018896.D (-286) (-)





#15

Methvl Acetate

Concen: 49.160 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

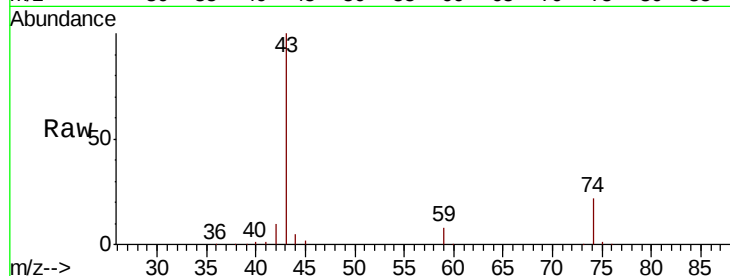
VICV06

Tot Ion: 43 Resp: 153375

Ion Ratio Lower Upper

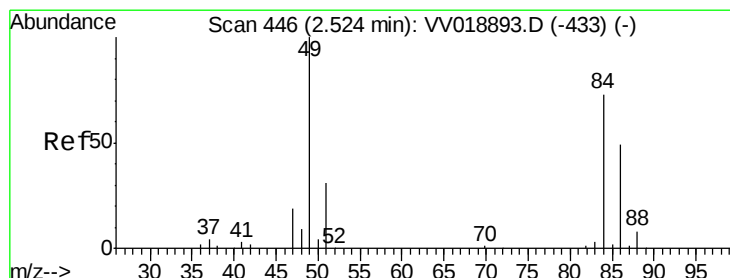
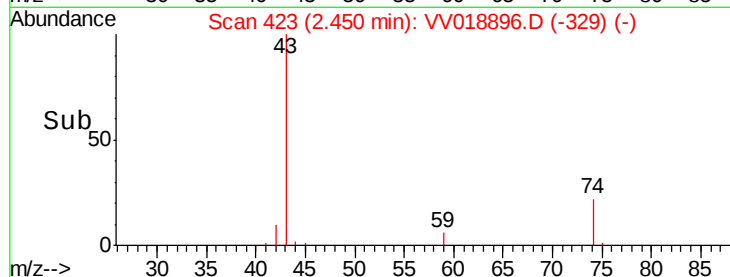
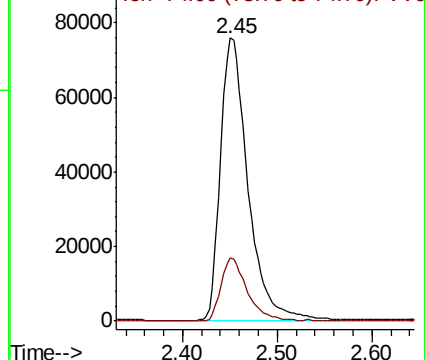
43 100

74 21.3 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 47.250 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

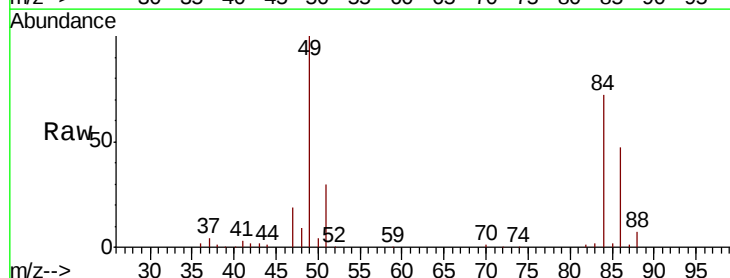
Tgt Ion: 84 Resp: 134991

Ion Ratio Lower Upper

84 100

86 65.6 46.6 86.6

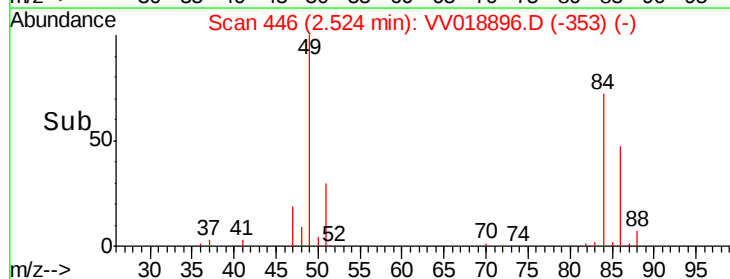
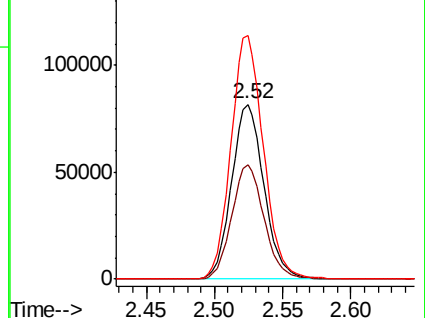
49 139.4 96.1 178.5

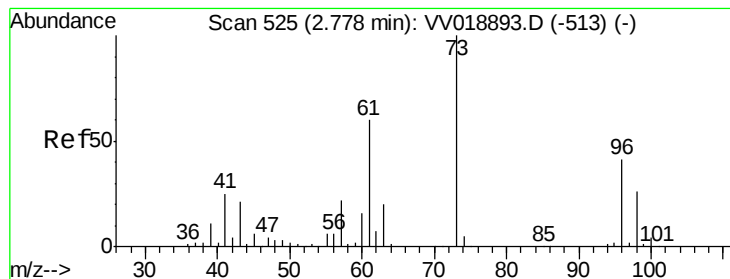


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 48.796 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

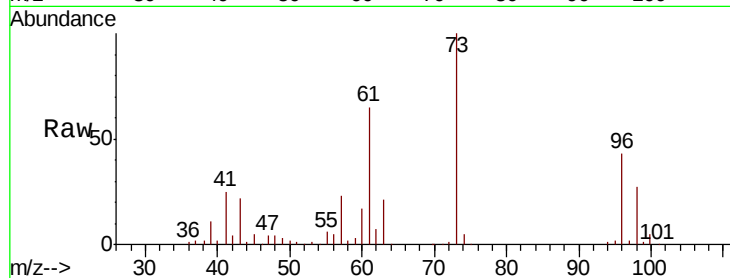
MSVOA_V

ClientSampled :

VICV06

Tot Ion: 96 Resp: 128995

Ion	Ratio	Lower	Upper
96	100		
61	150.6	102.8	190.8
98	63.8	44.0	81.6

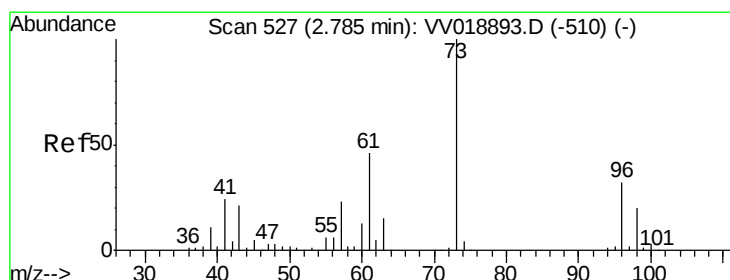
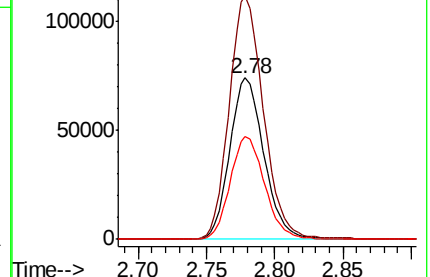
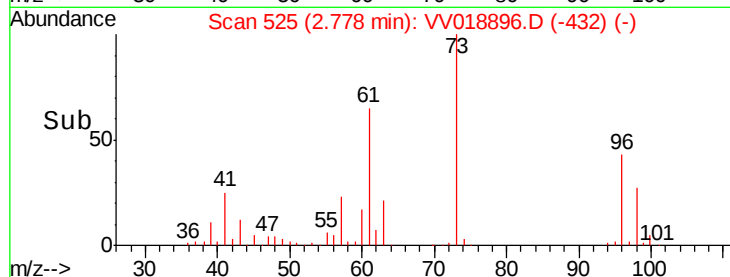


Abundance

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: 49.517 ug/L

RT: 2.78 min Scan# 527

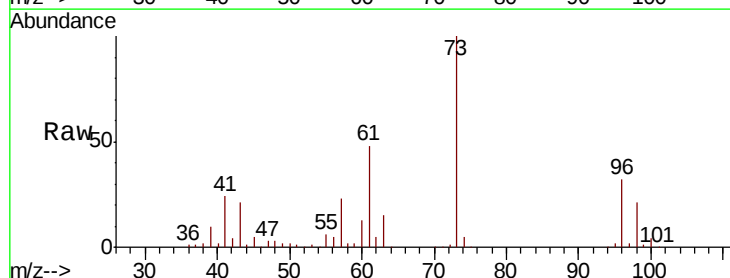
Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Tgt Ion: 73 Resp: 413587

Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.9	25.3
57	22.8	18.3	27.5

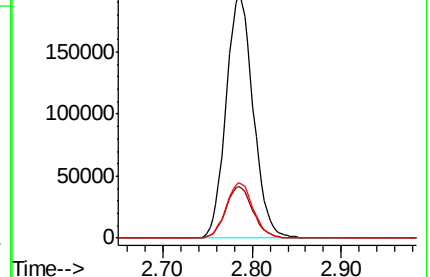
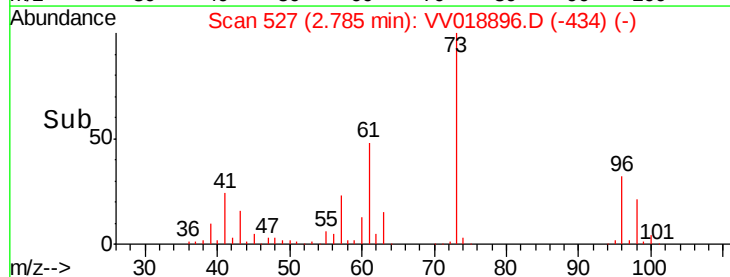


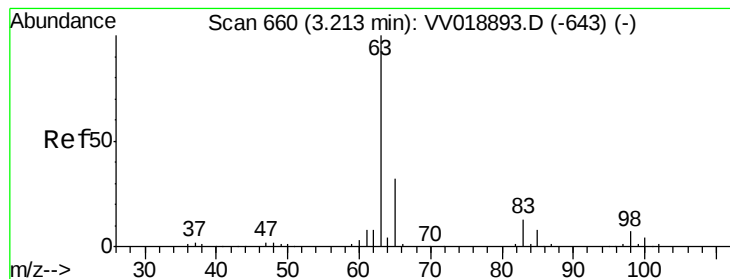
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.738 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

VICV06

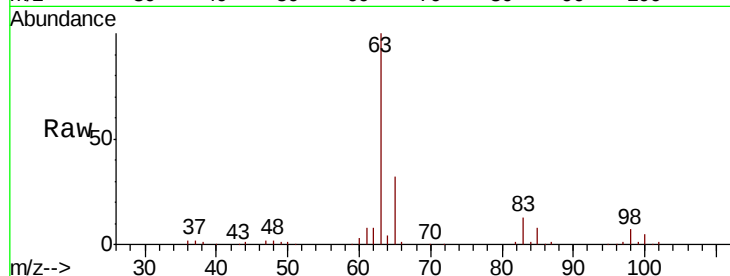
Tot Ion: 63 Resp: 250654

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.9

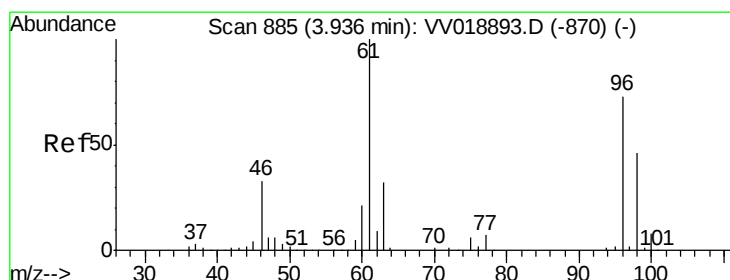
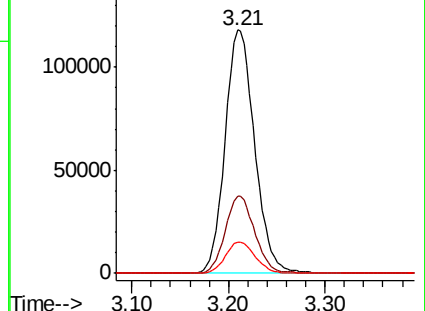
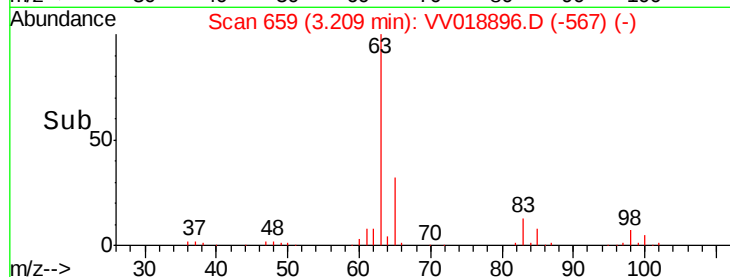
83 12.7 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 48.524 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

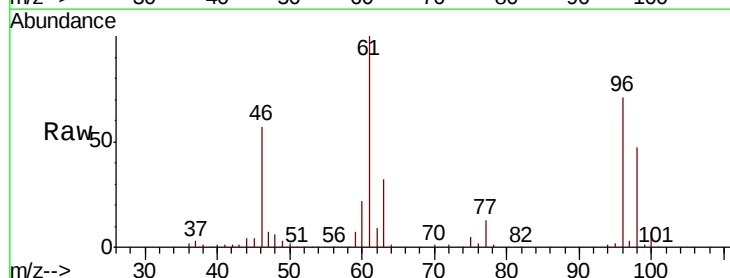
Tgt Ion: 96 Resp: 135955

Ion Ratio Lower Upper

96 100

61 140.1 96.1 178.5

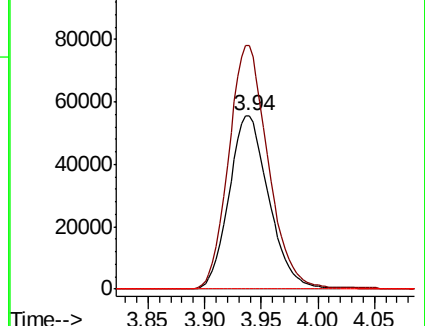
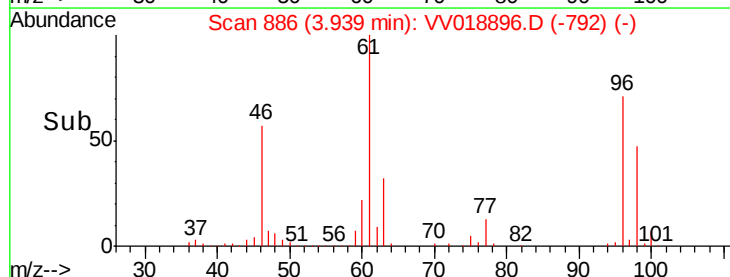
68 0.0 0.0 0.0

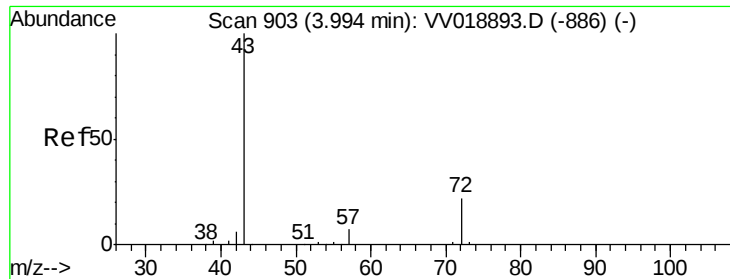


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 100.618 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.01 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

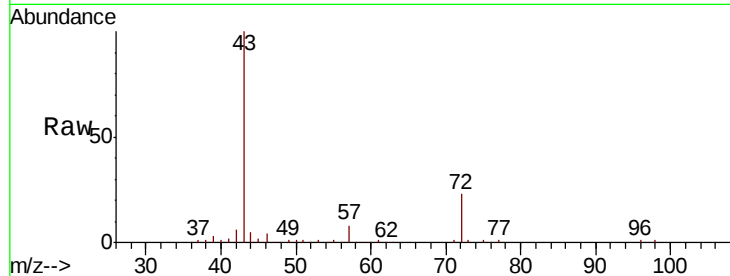
VICV06

Tot Ion: 43 Resp: 207777

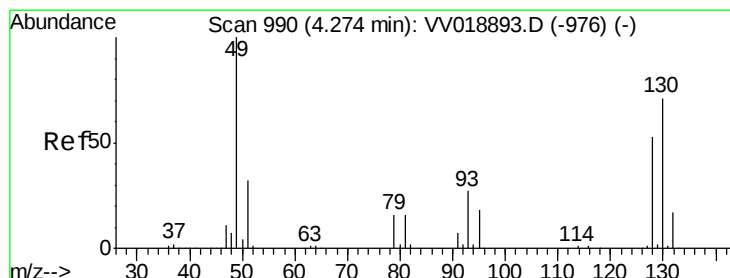
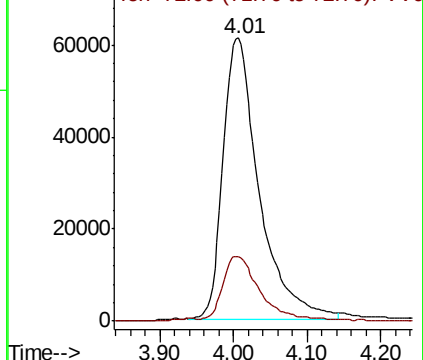
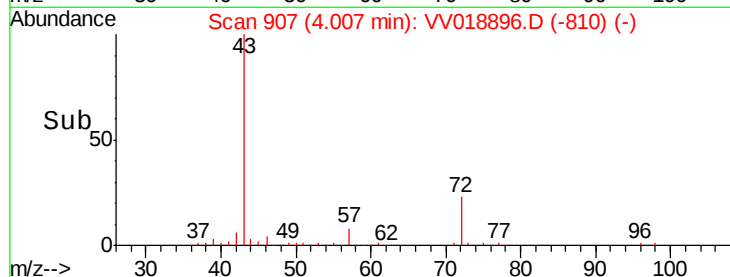
Ion Ratio Lower Upper

43 100

72 21.5 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018896.D (-810) (-)



#23

Bromochloromethane

Concen: 49.517 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Tgt Ion:128 Resp: 71651

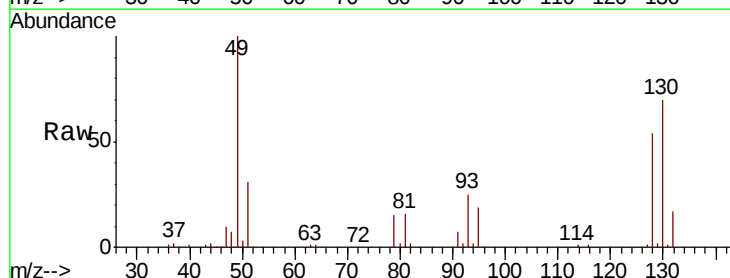
Ion Ratio Lower Upper

128 100

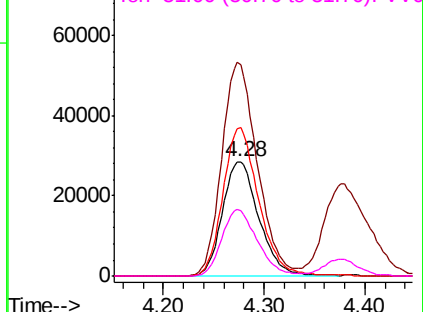
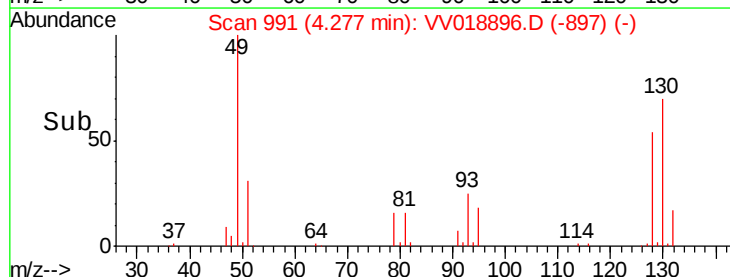
49 185.0 131.7 244.7

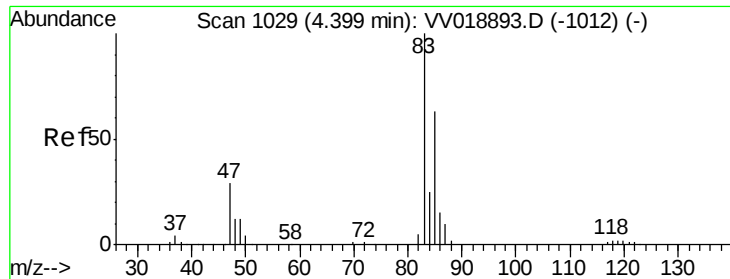
130 129.6 92.8 172.4

51 57.3 47.8 71.6



Abundance Ion 128.00 (127.70 to 128.70): VV018896.D (-897) (-)

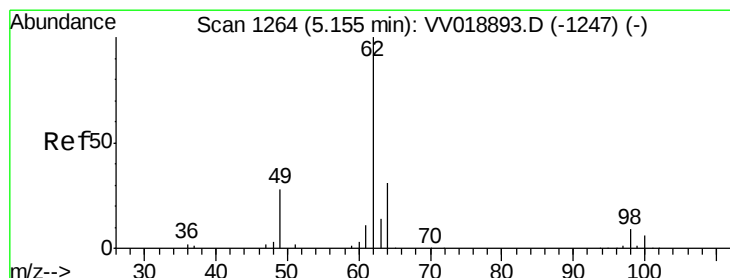
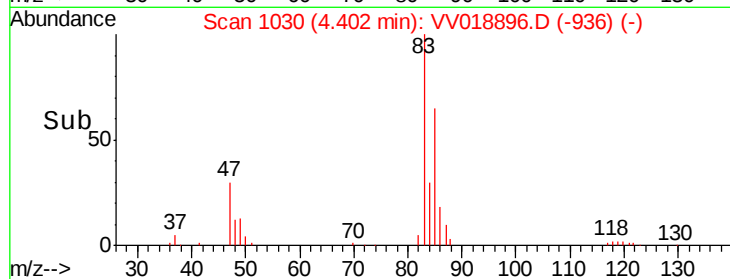
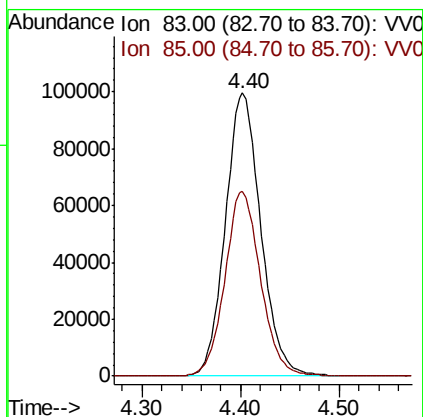
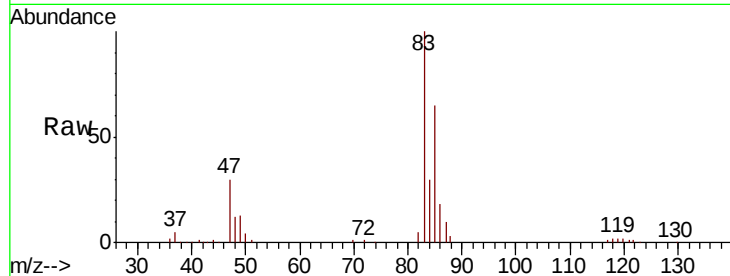




#25
Chloroform
Concen: 48.268 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018896.D
Acq: 14 Oct 2020 15:32

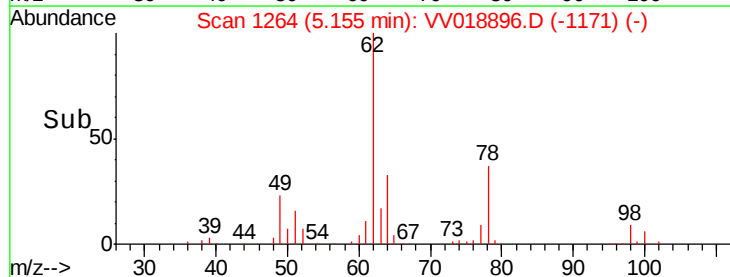
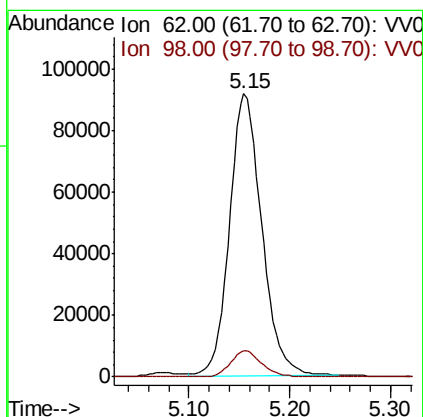
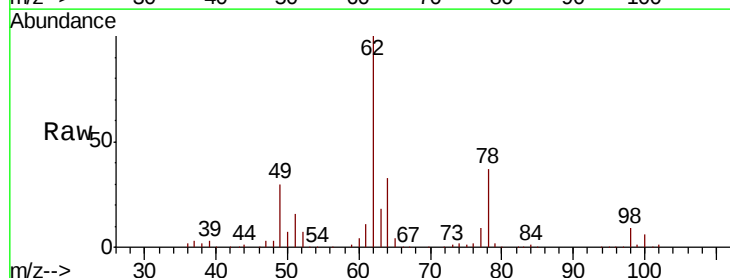
Instrument :
MSVOA_V
ClientSampled :
VICV06

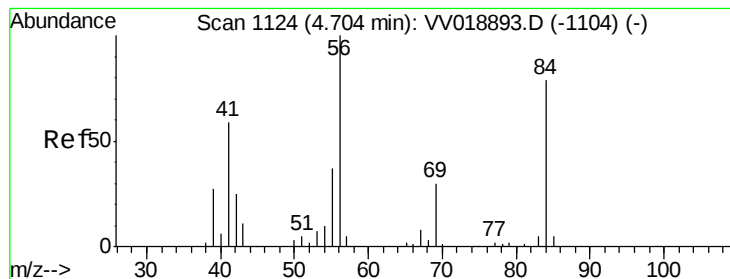
Tot Ion: 83 Resp: 249623
Ion Ratio Lower Upper
83 100
85 65.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 48.209 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018896.D
Acq: 14 Oct 2020 15:32

Tgt Ion: 62 Resp: 203667
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.6





#29

Cyclohexane

Concen: 53.769 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

VICV06

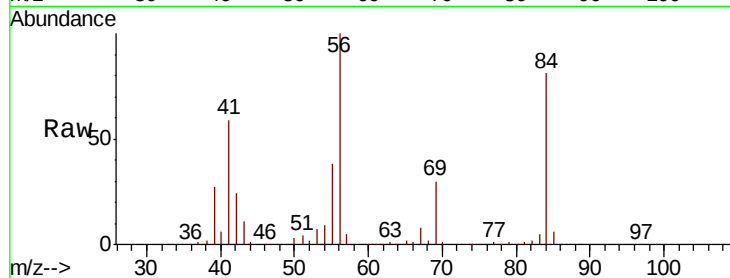
Tot Ion: 56 Resp: 224752

Ion Ratio Lower Upper

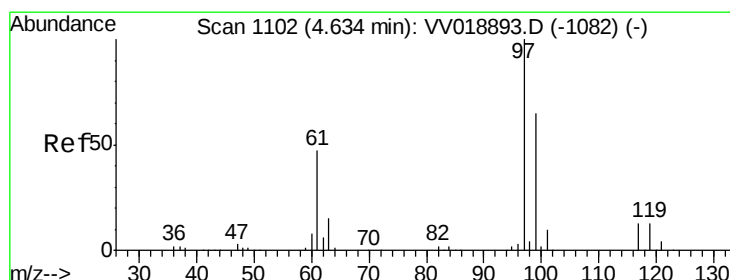
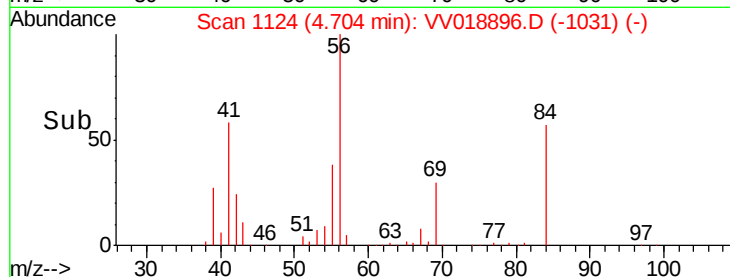
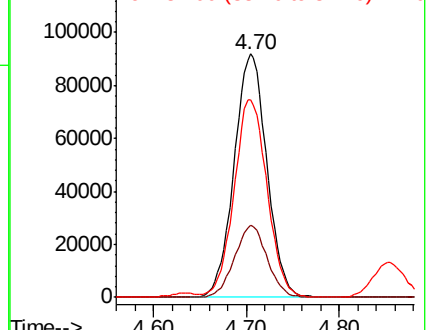
56 100

69 29.5 23.5 35.3

84 82.3 64.7 97.1



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 50.603 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

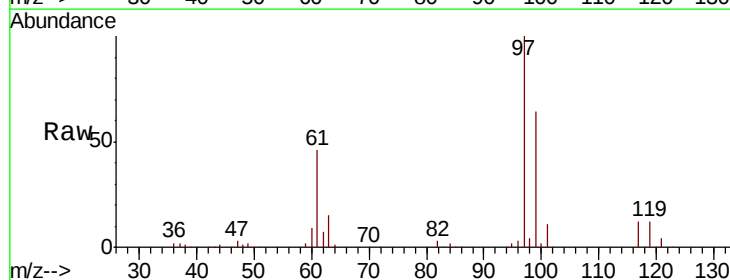
Tgt Ion: 97 Resp: 220848

Ion Ratio Lower Upper

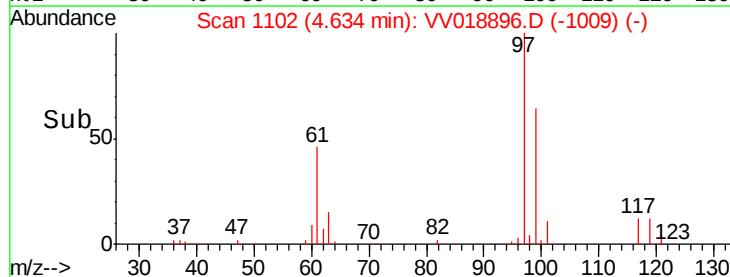
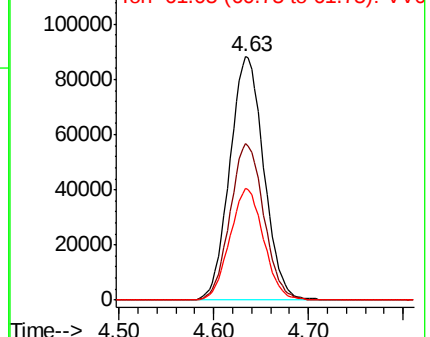
97 100

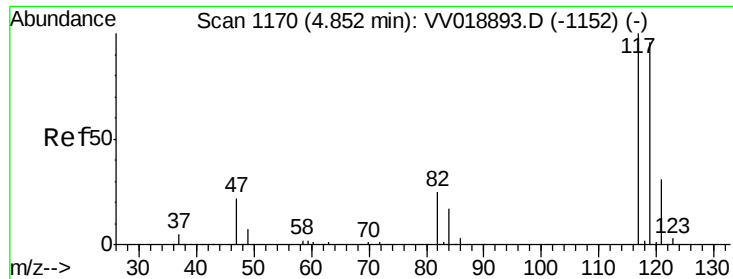
99 63.6 51.2 76.8

61 45.6 37.5 56.3



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

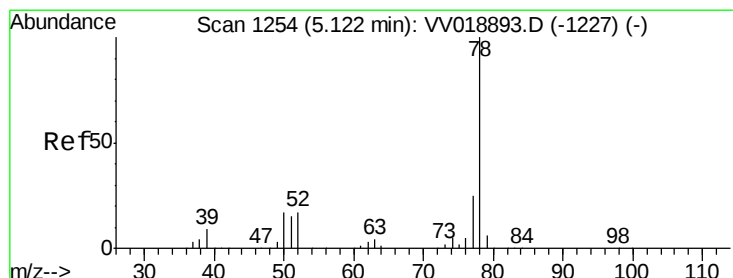
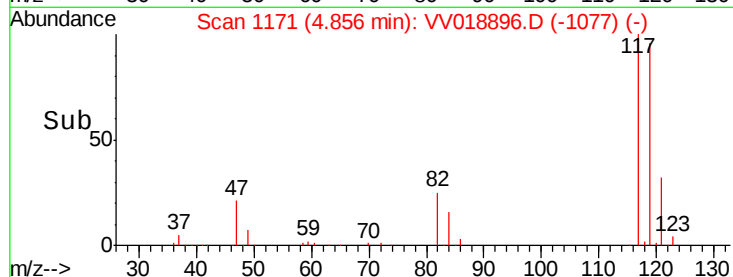
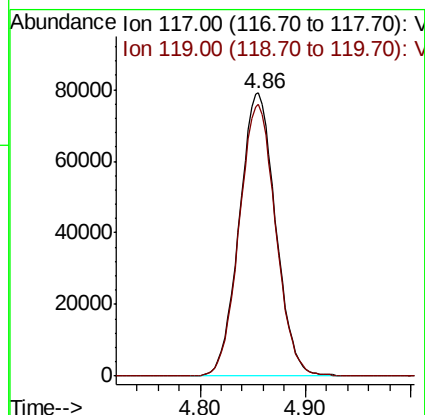
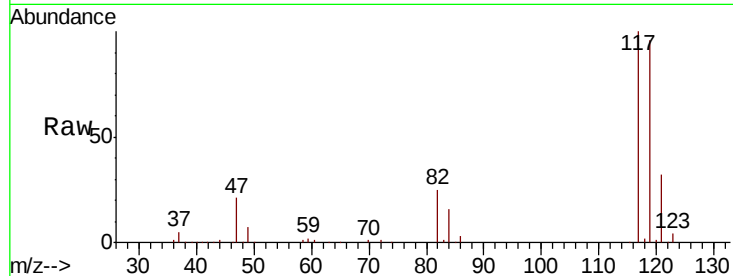




#31
Carbon tetrachloride
Concen: 50.835 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV018896.D
Acq: 14 Oct 2020 15:32

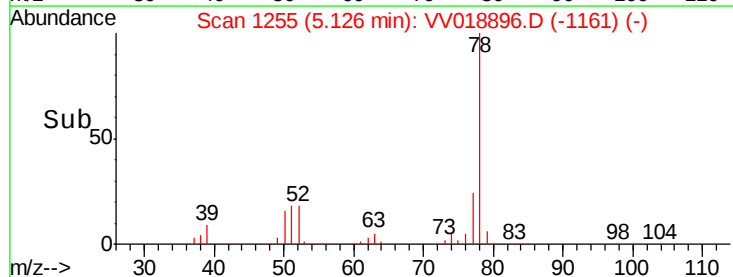
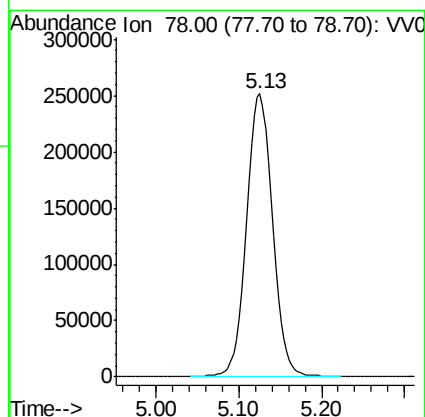
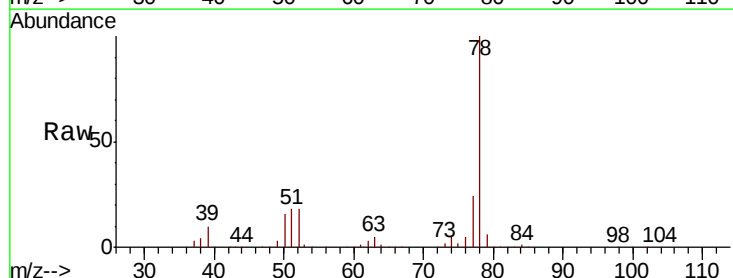
Instrument :
MSVOA_V
ClientSampleId :
VICV06

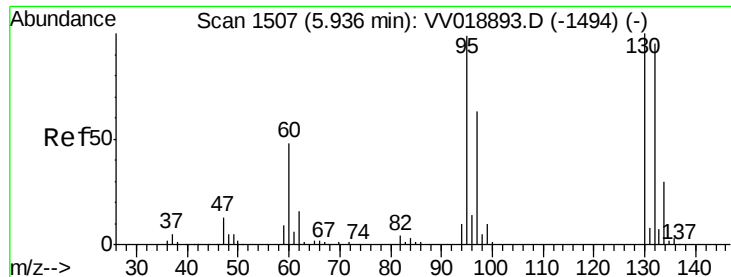
Tot Ion:117 Resp: 188828
Ion Ratio Lower Upper
117 100
119 96.6 76.9 115.3



#33
Benzene
Concen: 51.037 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018896.D
Acq: 14 Oct 2020 15:32

Tgt Ion: 78 Resp: 550281

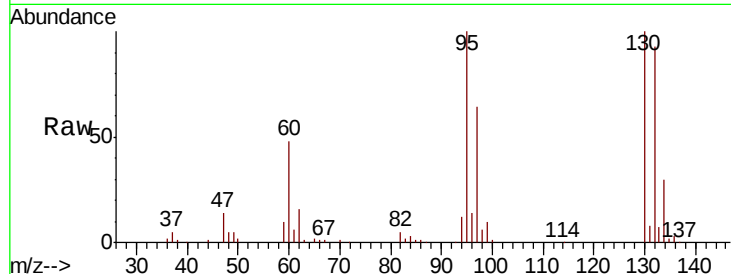




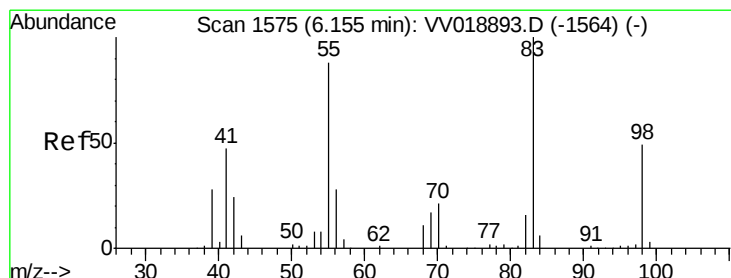
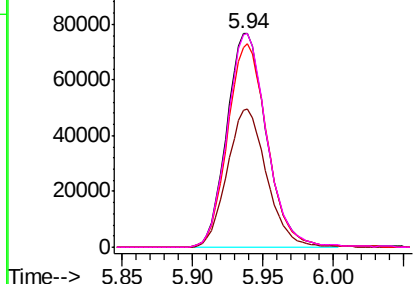
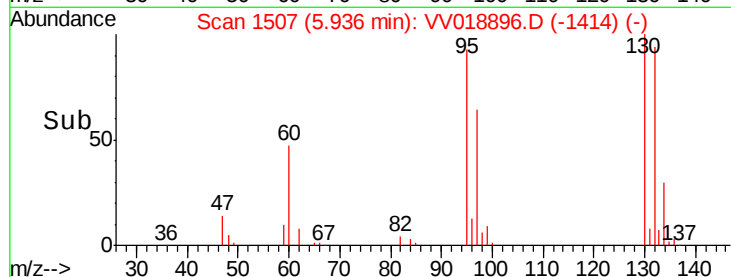
#34
 Trichloroethene
 Concen: 48.523 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV018896.D
 Acq: 14 Oct 2020 15:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV06

Tot Ion: 95 Resp: 150870
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.7 82.9
 132 93.5 67.0 124.4
 130 99.6 70.8 131.6

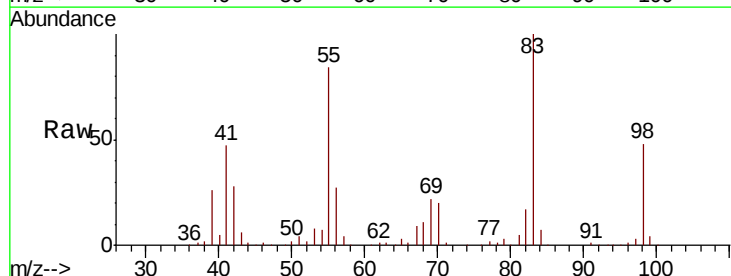


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

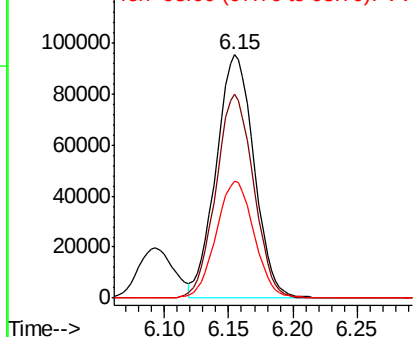
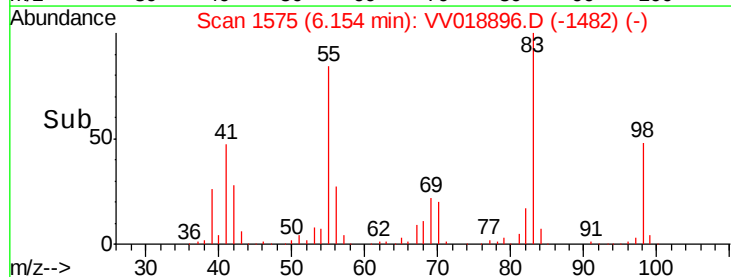


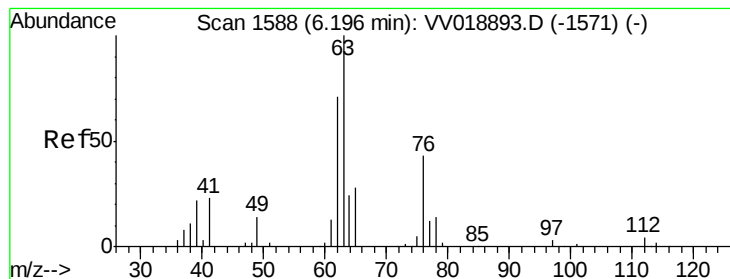
#35
 Methylcyclohexane
 Concen: 51.638 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018896.D
 Acq: 14 Oct 2020 15:32

Tgt Ion: 83 Resp: 194449
 Ion Ratio Lower Upper
 83 100
 55 82.9 67.3 100.9
 98 48.3 37.9 56.9



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: 50.072 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

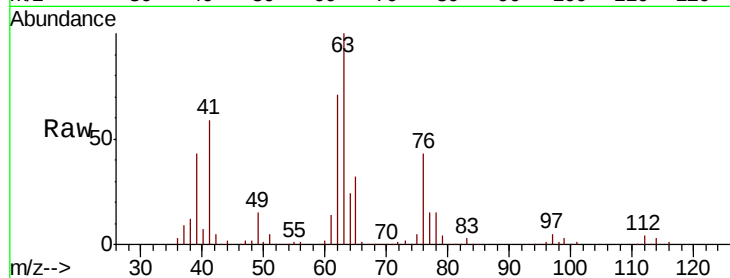
VICV06

Tot Ion: 63 Resp: 144525

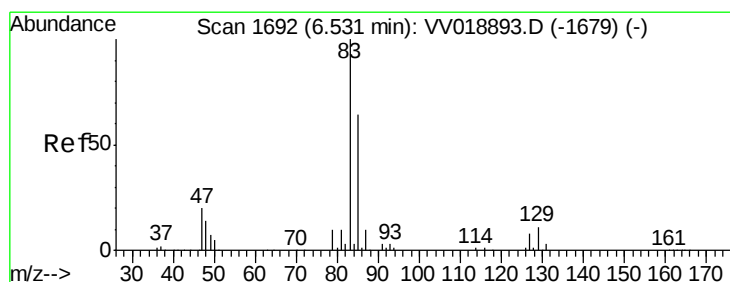
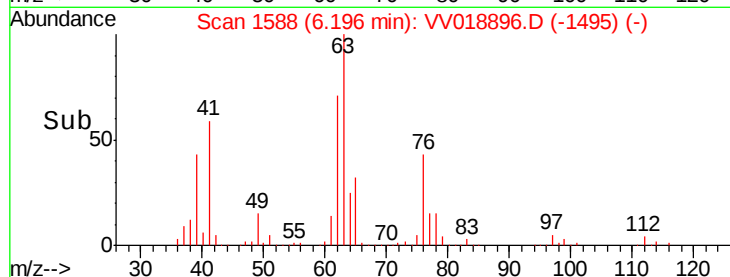
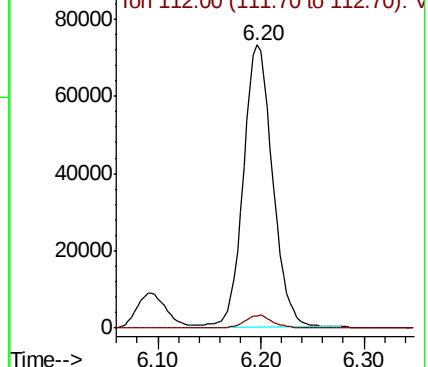
Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VV018896.D (-1495) (-)



#38

Bromodichloromethane

Concen: 49.825 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

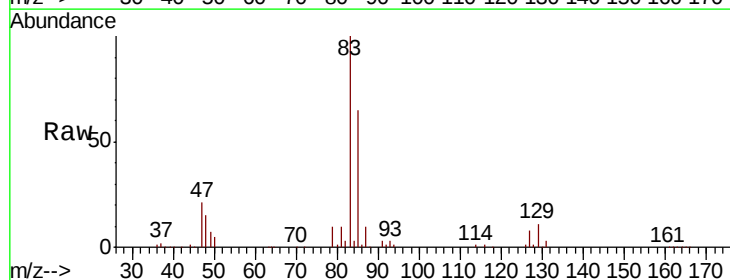
Tgt Ion: 83 Resp: 184380

Ion Ratio Lower Upper

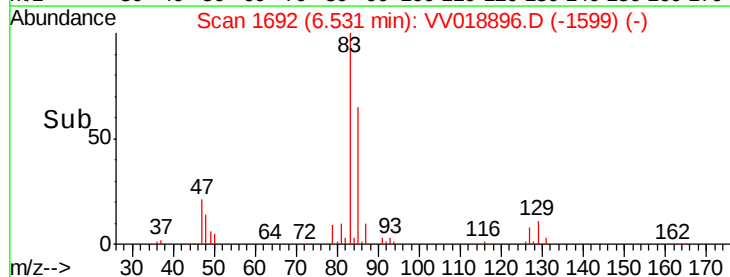
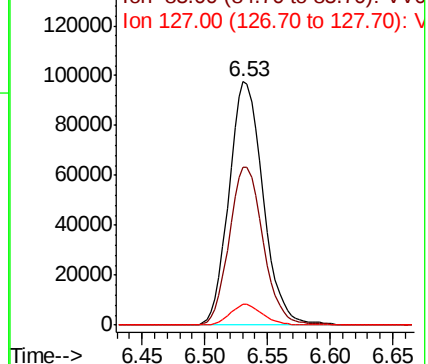
83 100

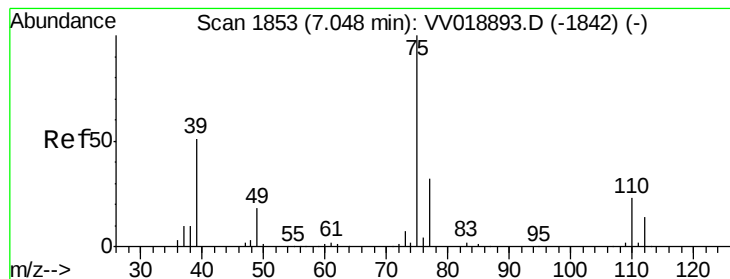
85 64.6 44.7 83.1

127 8.4 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VV018896.D (-1599) (-)



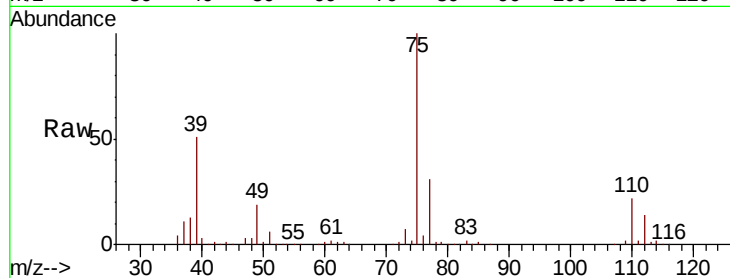


#39

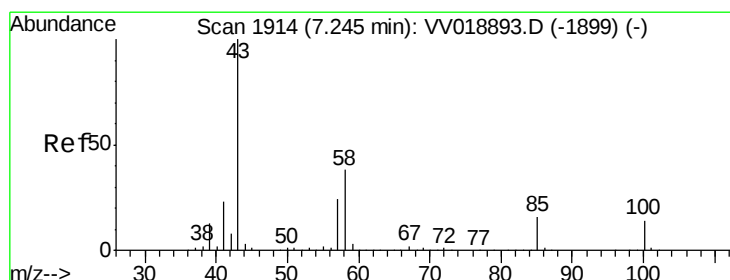
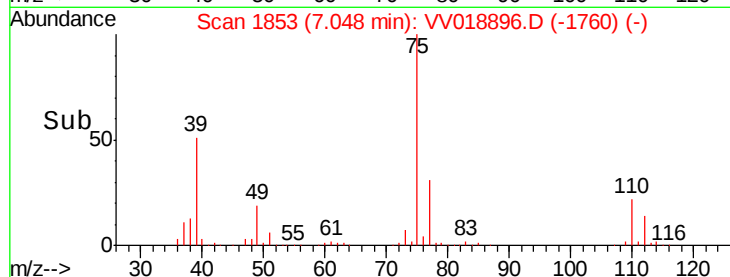
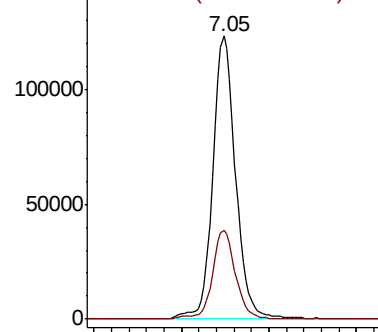
cis-1,3-Dichloropropene
Concen: 51.559 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV018896.D
Acq: 14 Oct 2020 15:32

Instrument :
MSVOA_V
ClientSampled :
VICV06

Tot Ion: 75 Resp: 223612
Ion Ratio Lower Upper
75 100
77 31.5 22.5 41.9



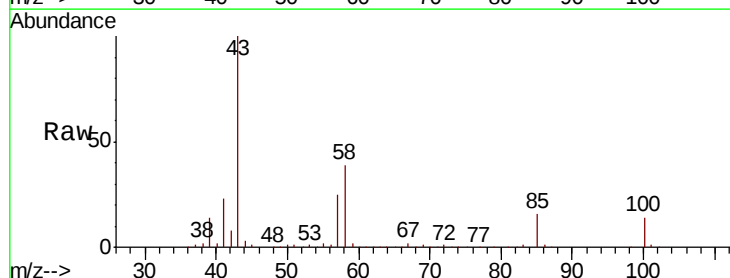
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



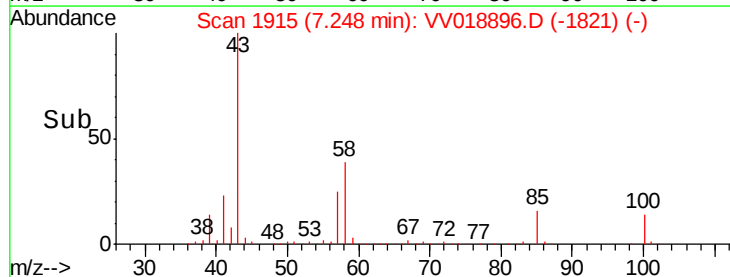
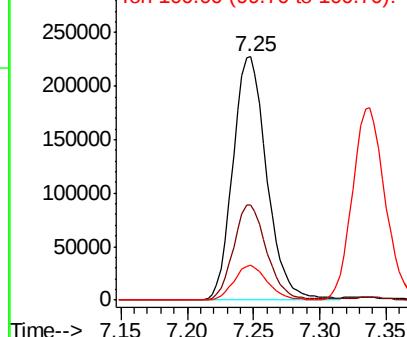
#40

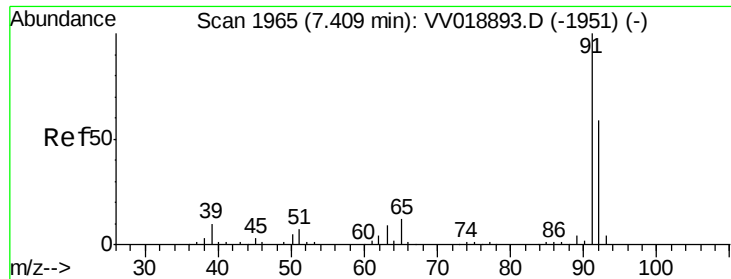
4-Methyl-2-pentanone
Concen: 101.262 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV018896.D
Acq: 14 Oct 2020 15:32

Tgt Ion: 43 Resp: 403064
Ion Ratio Lower Upper
43 100
58 38.6 30.5 45.7
100 14.1 11.1 16.7



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





#42

Toluene

Concen: 52.128 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

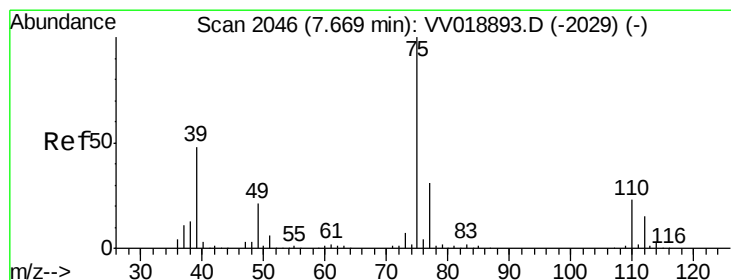
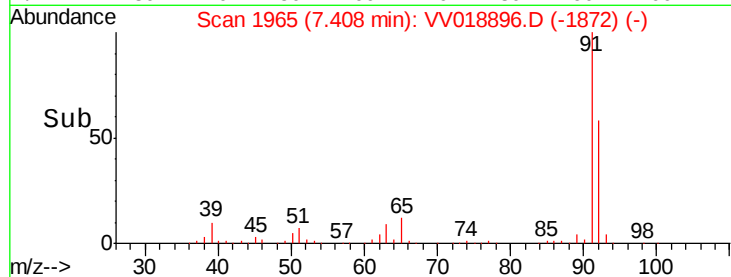
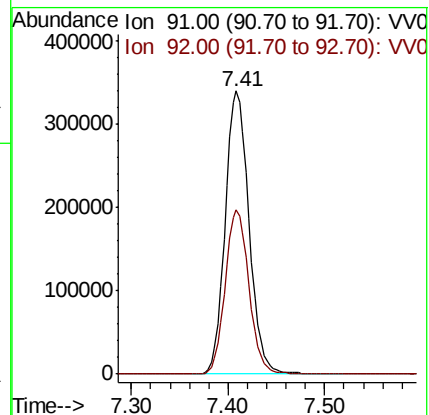
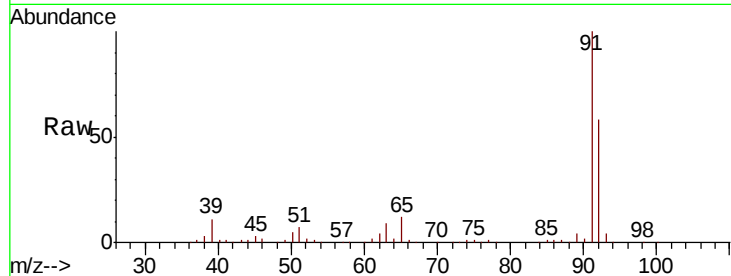
VICV06

Tot Ion: 91 Resp: 580491

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 51.626 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018896.D

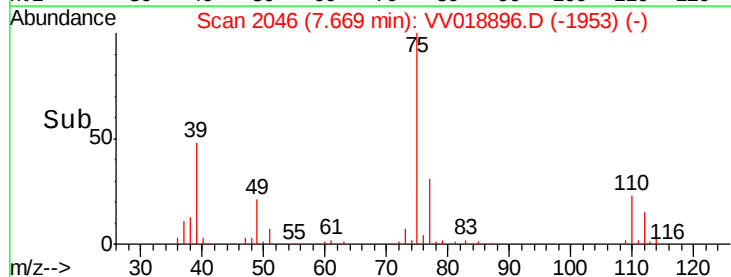
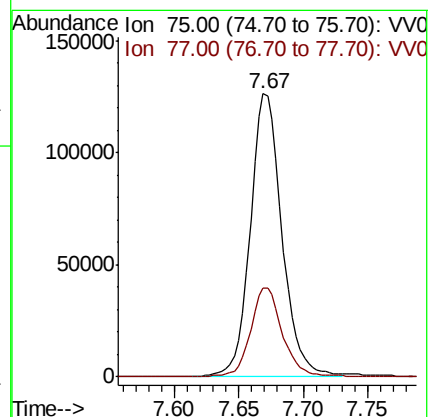
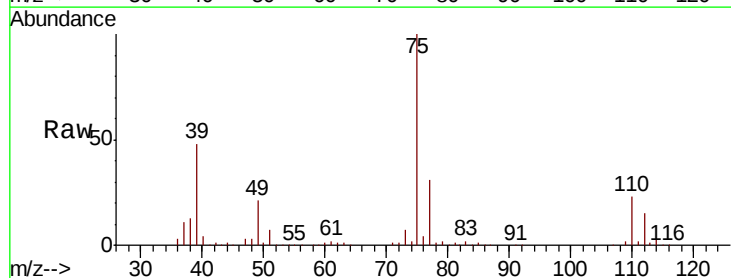
Acq: 14 Oct 2020 15:32

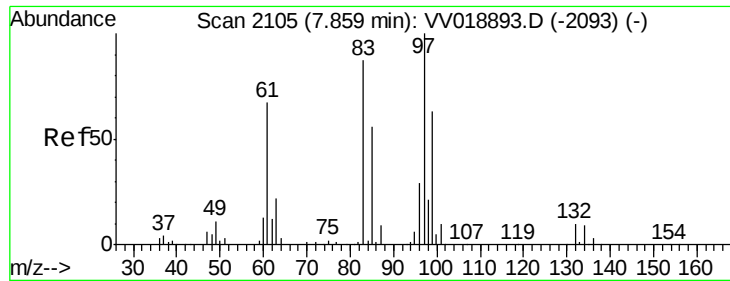
Tgt Ion: 75 Resp: 216974

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

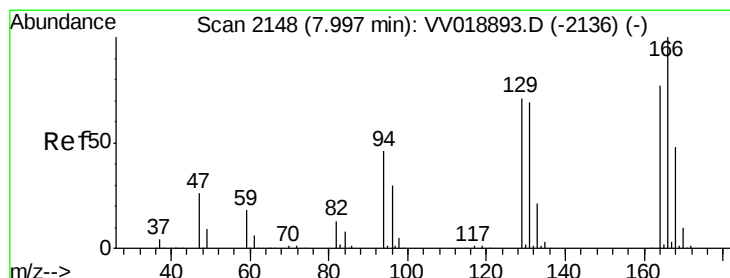
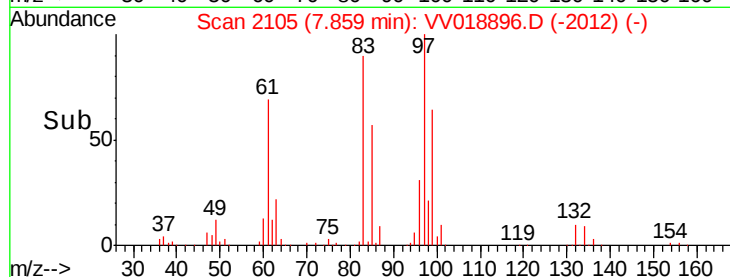
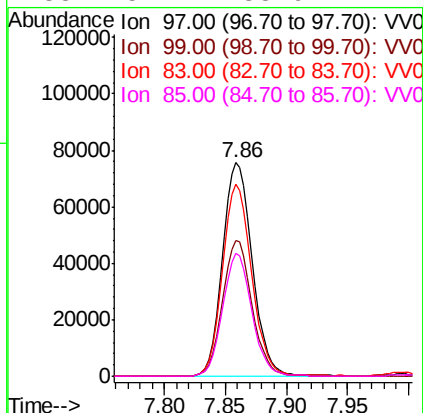
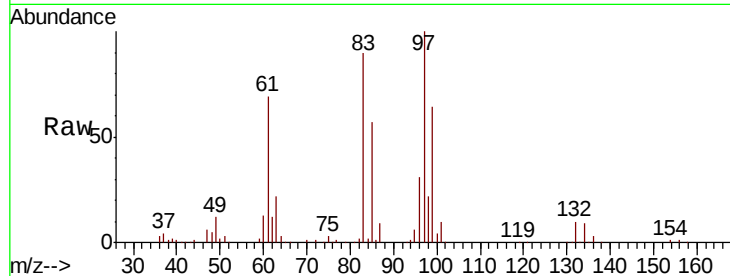




#45
 1,1,2-Trichloroethane
 Concen: 48.451 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018896.D
 Acq: 14 Oct 2020 15:32

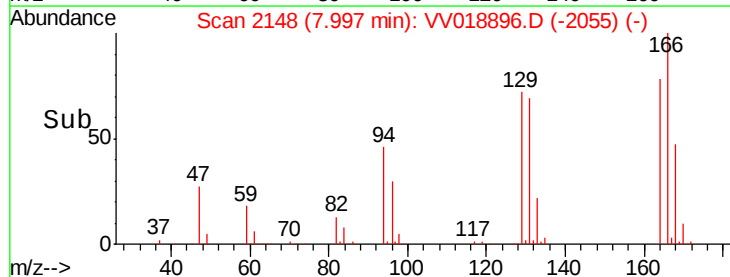
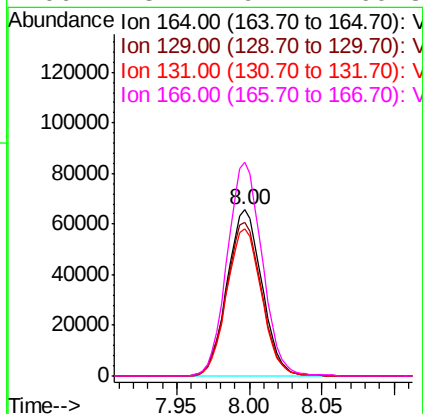
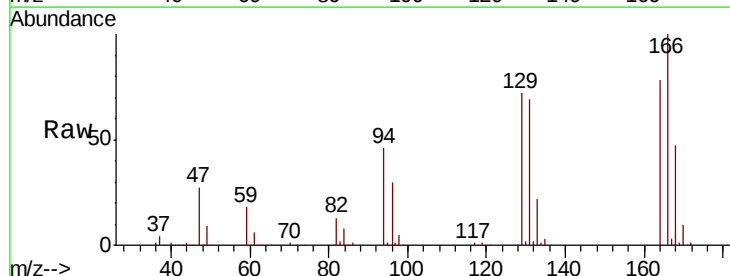
Instrument :
 MSVOA_V
 ClientSampleID :
 VICV06

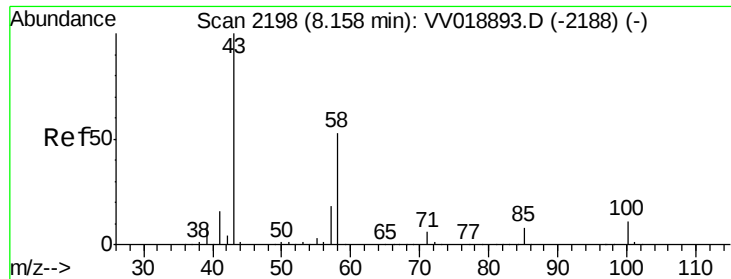
Tot Ion:	97	Resp:	130082
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.8	81.4
83	89.8	61.0	113.4
85	57.4	38.9	72.2



#46
 Tetrachloroethene
 Concen: 49.856 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018896.D
 Acq: 14 Oct 2020 15:32

Tgt Ion:	164	Resp:	109248
Ion	Ratio	Lower	Upper
164	100		
129	92.6	65.0	120.8
131	88.9	62.9	116.7
166	128.4	91.1	169.3

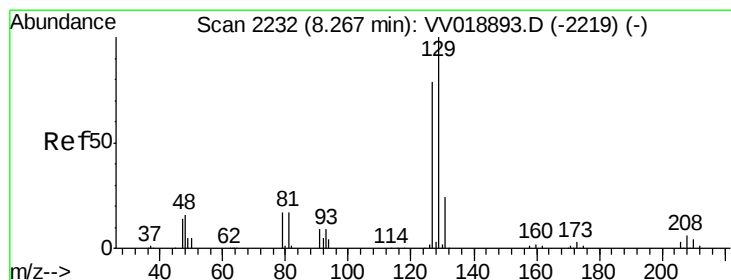
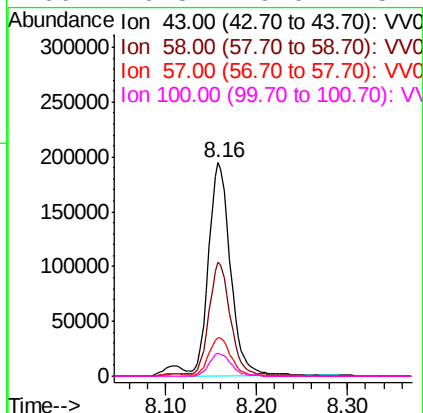
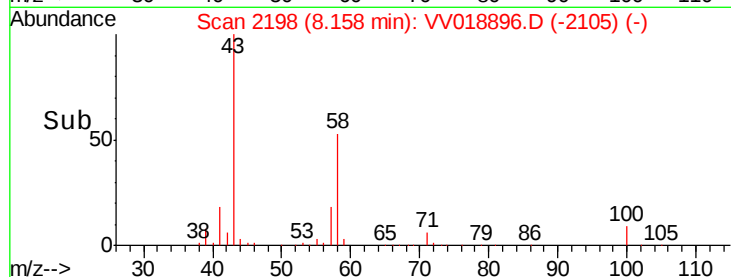
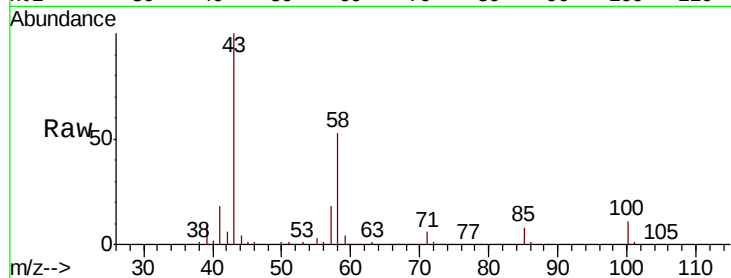




#48
2-Hexanone
Concen: 103.062 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018896.D
Acq: 14 Oct 2020 15:32

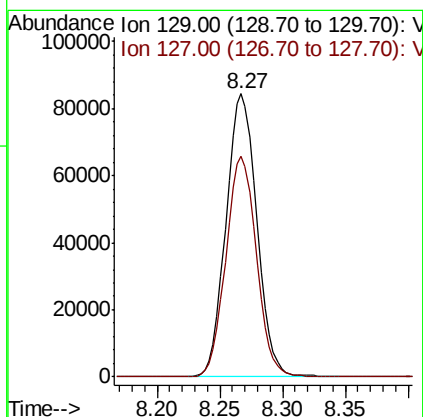
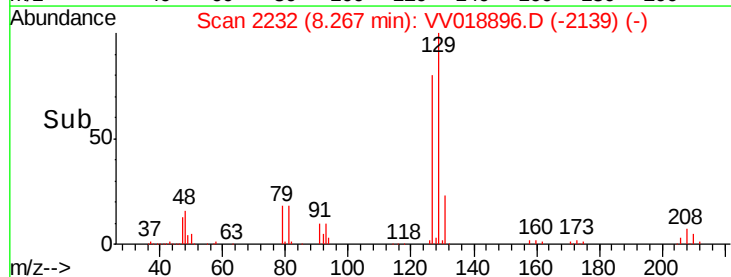
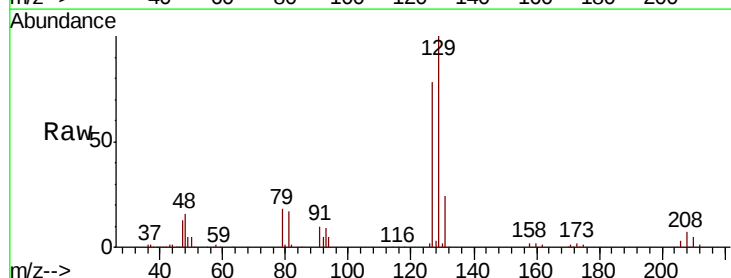
Instrument :
MSVOA_V
ClientSampleId :
VICV06

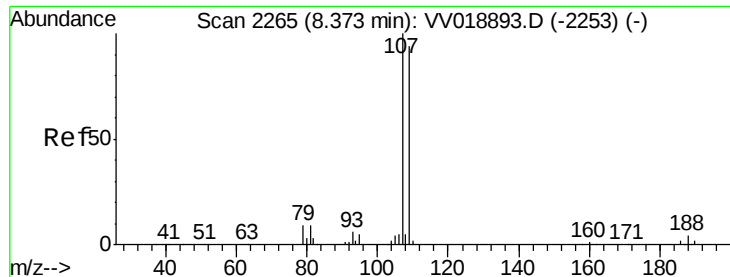
Tot Ion: 43 Resp: 325261
Ion Ratio Lower Upper
43 100
58 52.5 42.5 63.7
57 17.9 14.5 21.7
100 10.8 9.0 13.4



#49
Dibromochloromethane
Concen: 50.631 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018896.D
Acq: 14 Oct 2020 15:32

Tgt Ion: 129 Resp: 143914
Ion Ratio Lower Upper
129 100
127 77.9 55.2 102.6

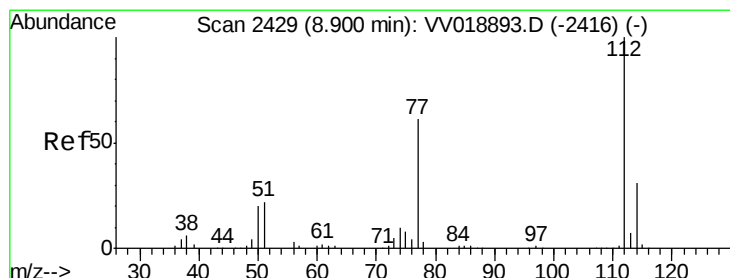
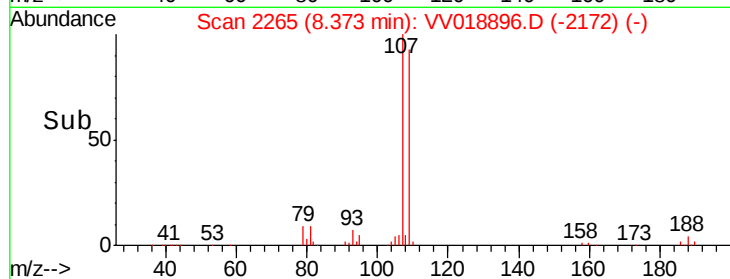
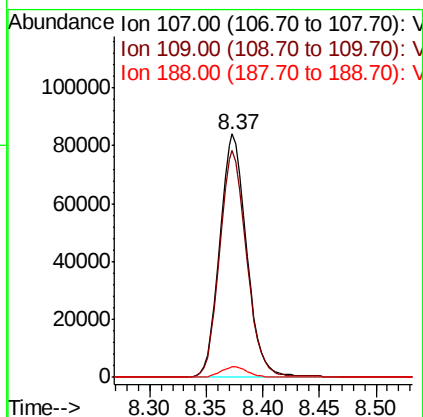
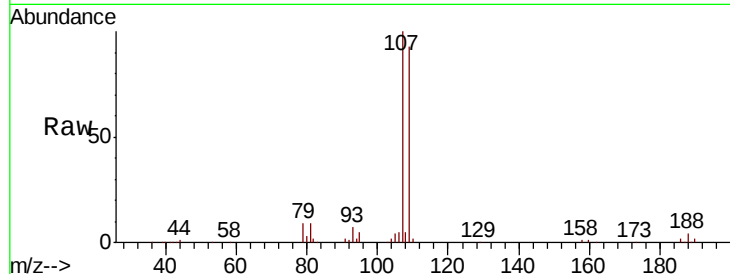




#50
 1,2-Dibromoethane
 Concen: 49.973 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018896.D
 Acq: 14 Oct 2020 15:32

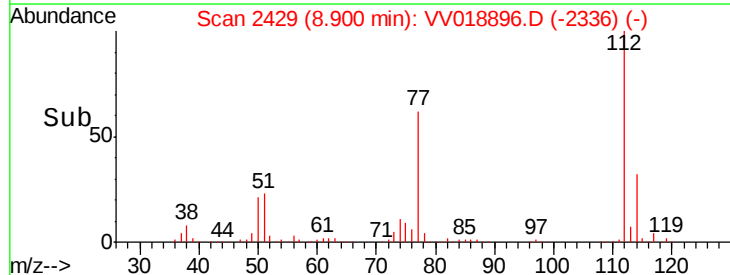
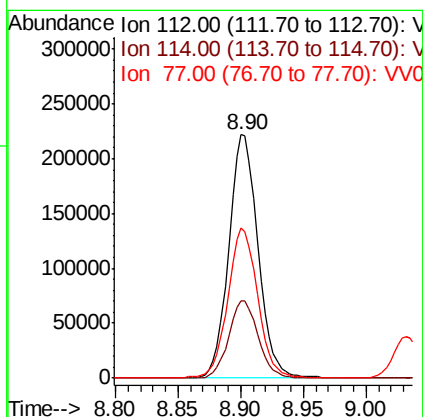
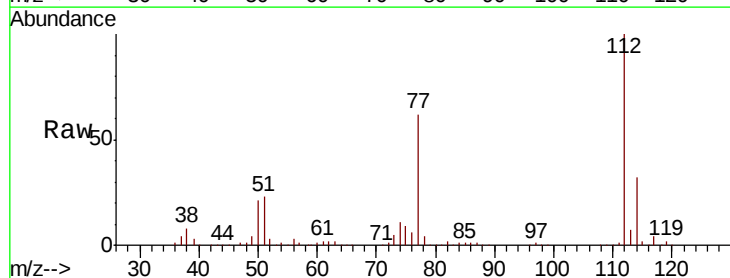
Instrument :
 MSVOA_V
 ClientSampled :
 VICV06

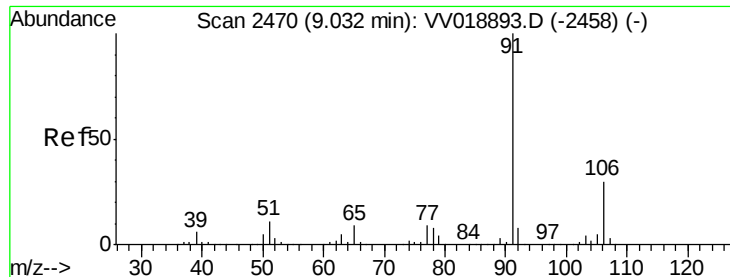
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.8	122.2
188	4.2	3.2	4.8



#51
 Chlorobenzene
 Concen: 49.638 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018896.D
 Acq: 14 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	21.8	40.6
77	61.5	49.2	73.8





#52

Ethylbenzene

Concen: 52.229 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

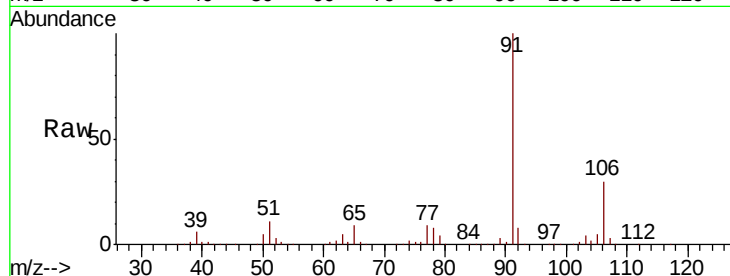
VICV06

Tot Ion: 91 Resp: 629622

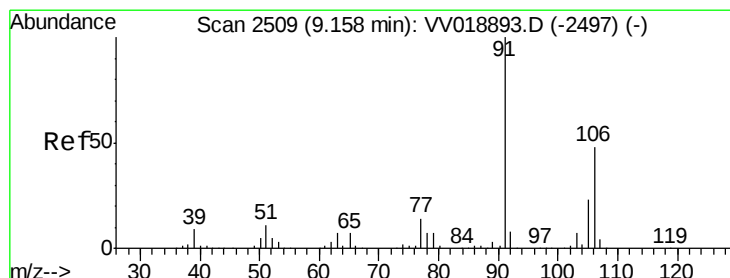
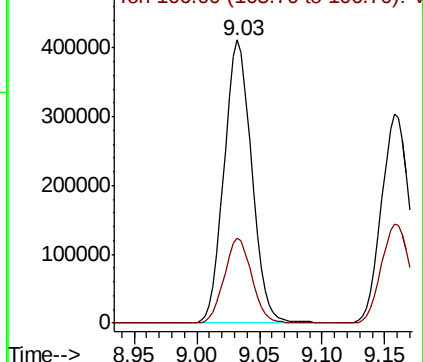
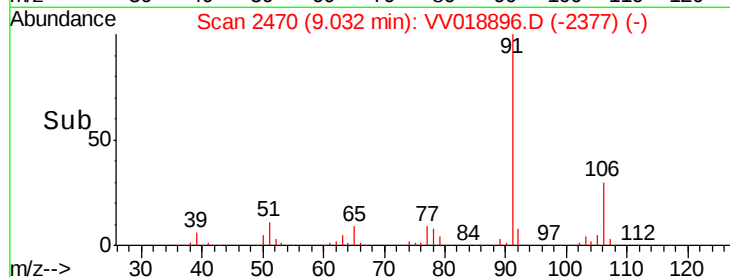
Ion Ratio Lower Upper

91 100

106 30.2 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018896.D (-2377) (-)



#53

m,p-Xylene

Concen: 52.486 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018896.D

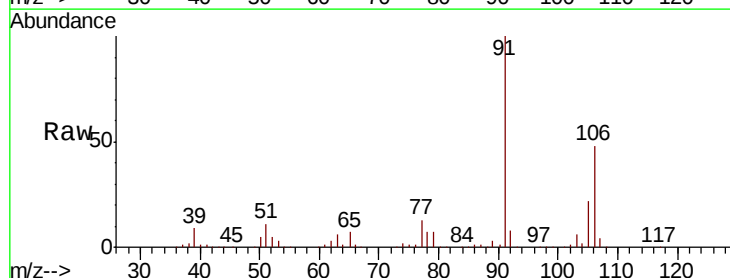
Acq: 14 Oct 2020 15:32

Tgt Ion: 106 Resp: 235722

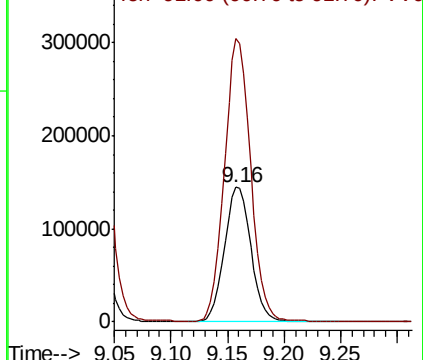
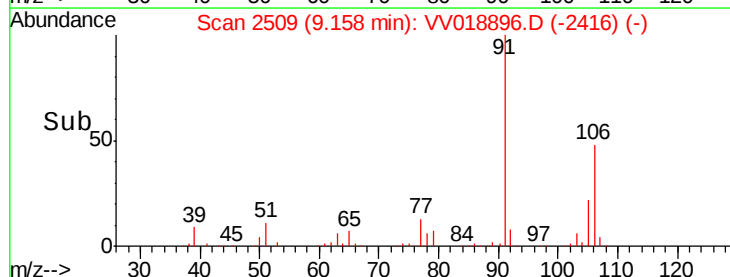
Ion Ratio Lower Upper

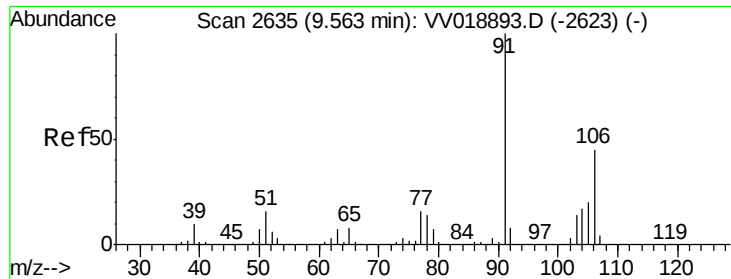
106 100

91 210.1 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VV018896.D (-2416) (-)





#54

o-xylene

Concen: 53.051 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

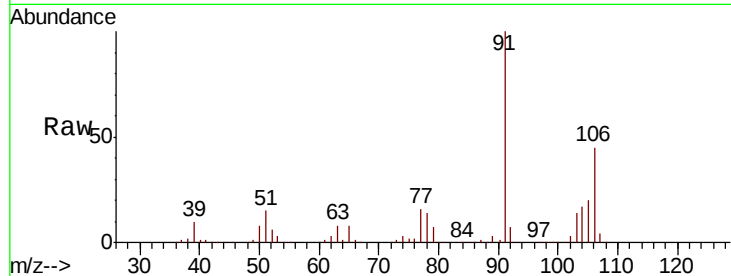
VICV06

Tot Ion:106 Resp: 227946

Ion Ratio Lower Upper

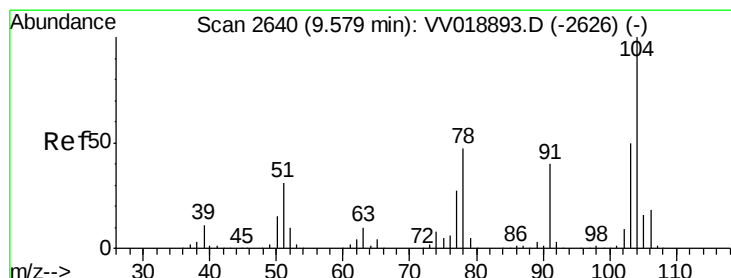
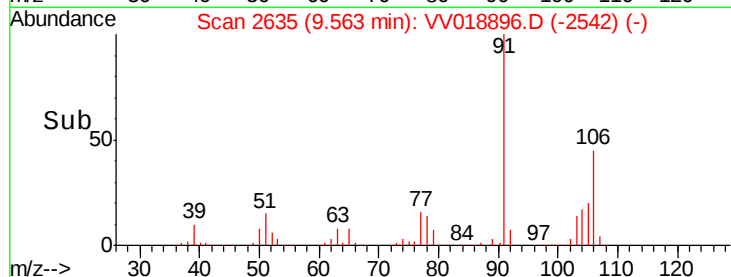
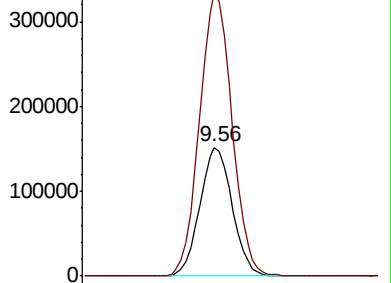
106 100

91 220.2 155.8 289.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.443 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018896.D

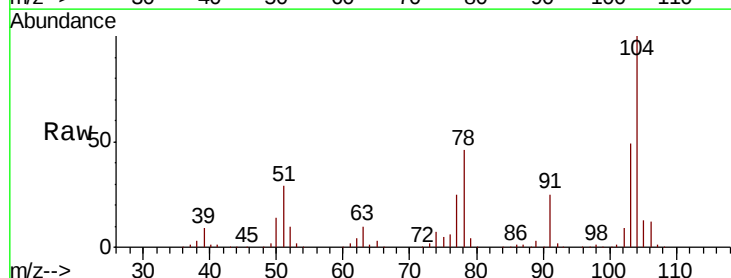
Acq: 14 Oct 2020 15:32

Tgt Ion:104 Resp: 403898

Ion Ratio Lower Upper

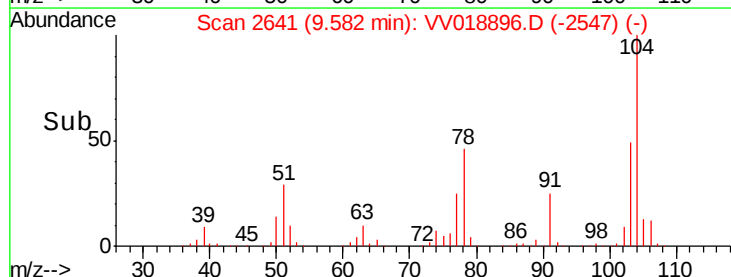
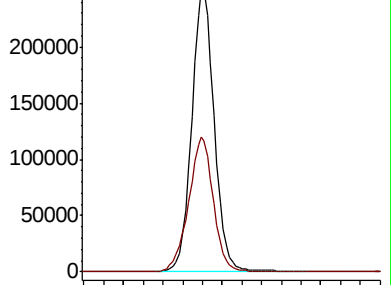
104 100

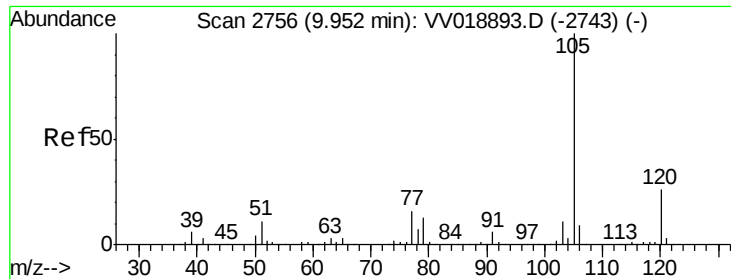
78 46.3 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.442 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampled :

VICV06

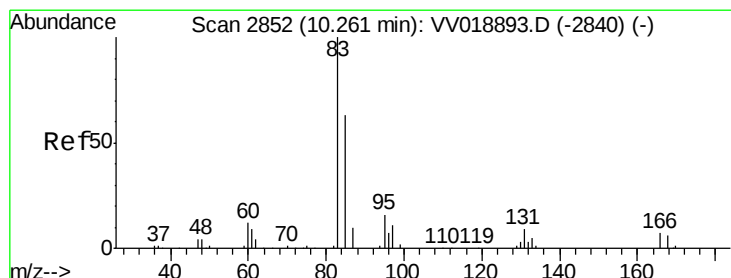
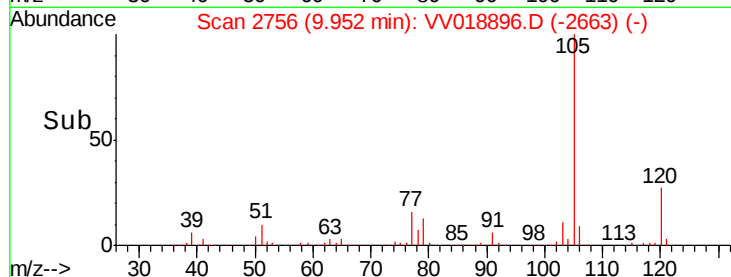
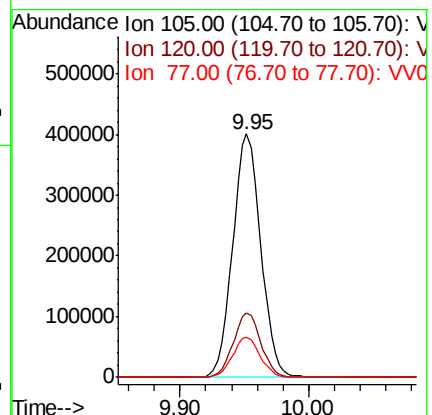
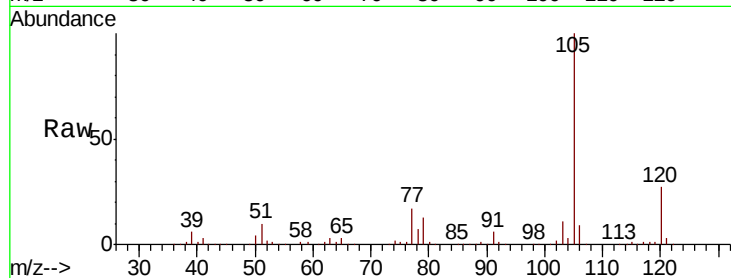
Tot Ion:105 Resp: 602820

Ion Ratio Lower Upper

105 100

120 26.1 20.4 30.6

77 16.3 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 50.411 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

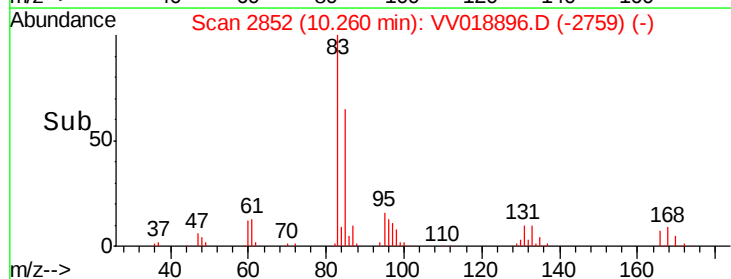
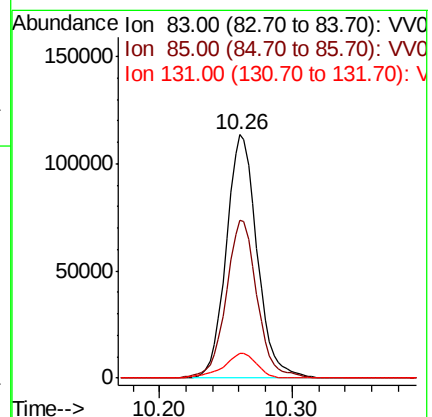
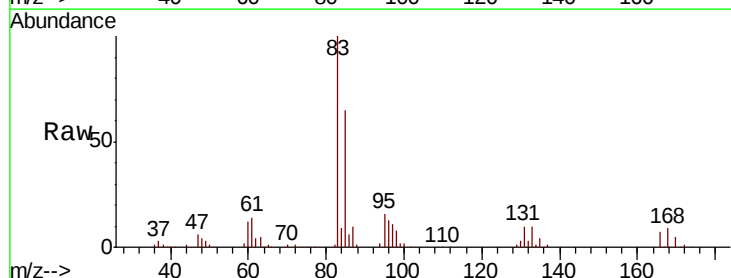
Tgt Ion: 83 Resp: 183775

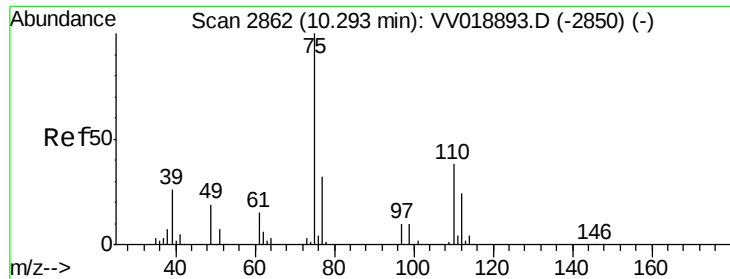
Ion Ratio Lower Upper

83 100

85 64.9 44.7 82.9

131 10.1 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 49.246 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

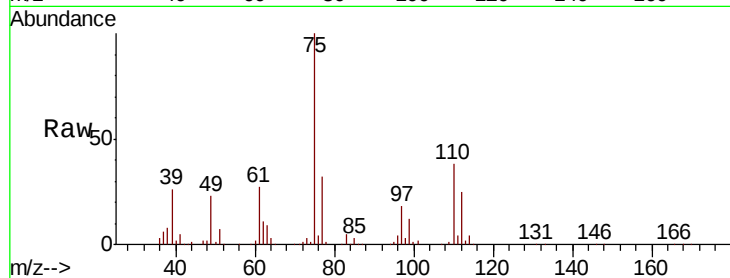
VICV06

Tot Ion: 75 Resp: 172054

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV018893.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018893.D (-2850) (-)

10.29

120000

100000

80000

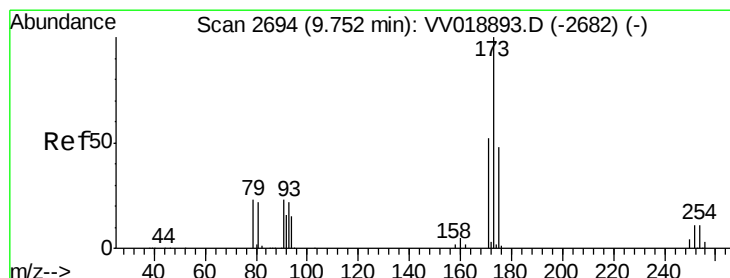
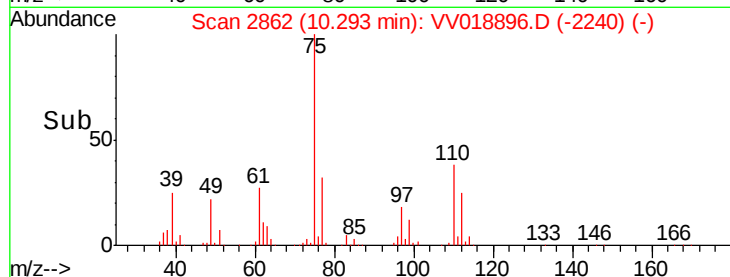
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 50.103 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

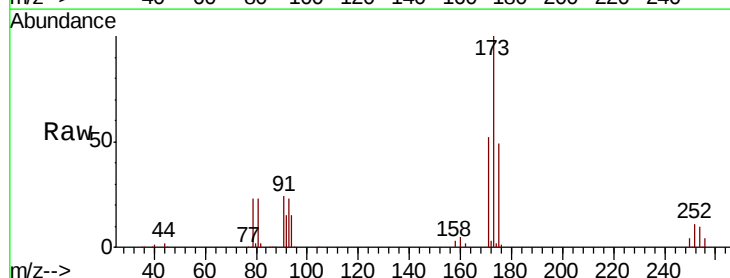
Tgt Ion: 173 Resp: 102319

Ion Ratio Lower Upper

173 100

175 49.4 38.2 57.2

254 10.9 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV018893.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018893.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018893.D (-2682) (-)

9.75

80000

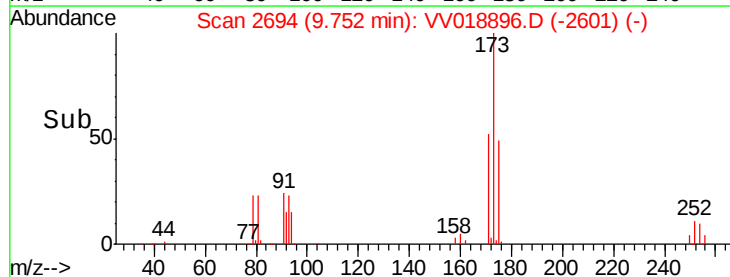
60000

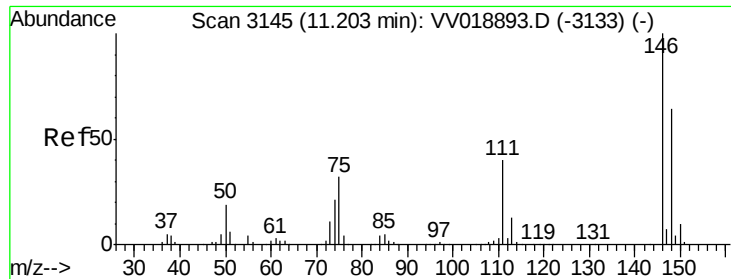
40000

20000

0

Time-->

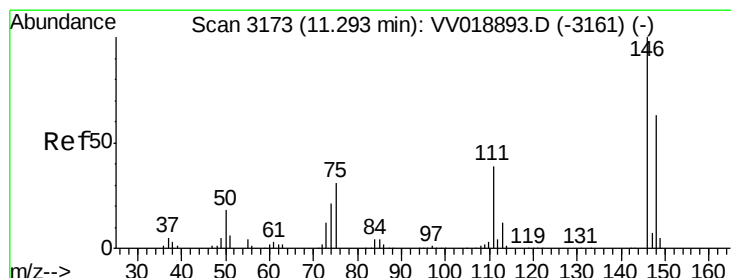
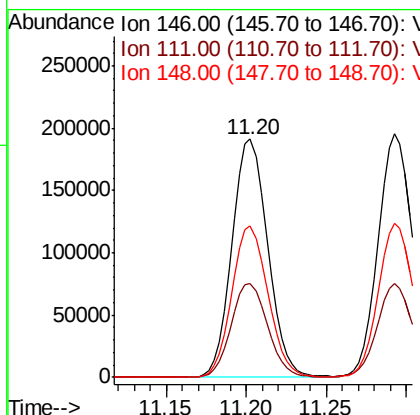
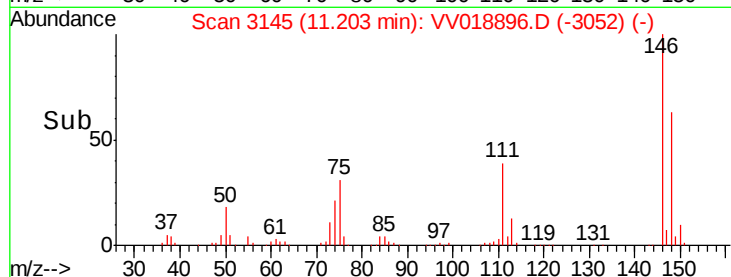
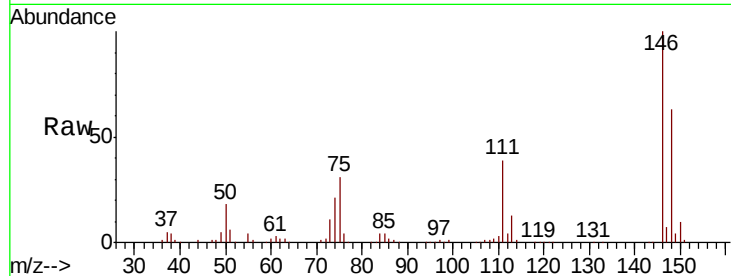




#62
 1,3-Dichlorobenzene
 Concen: 50.316 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018896.D
 Acq: 14 Oct 2020 15:32

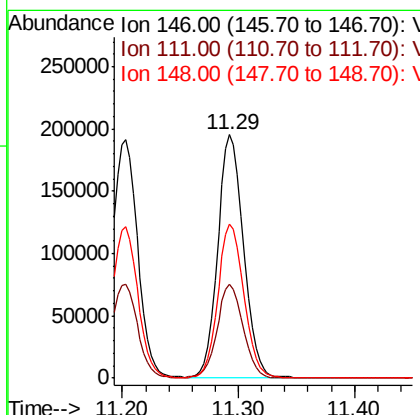
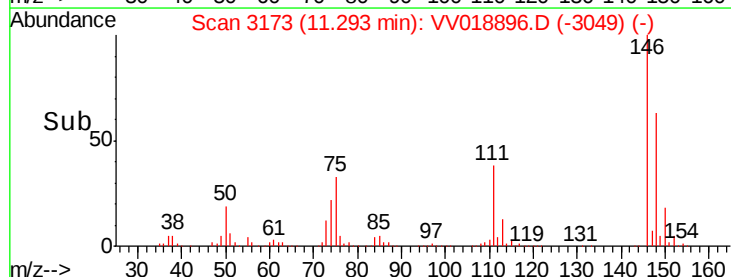
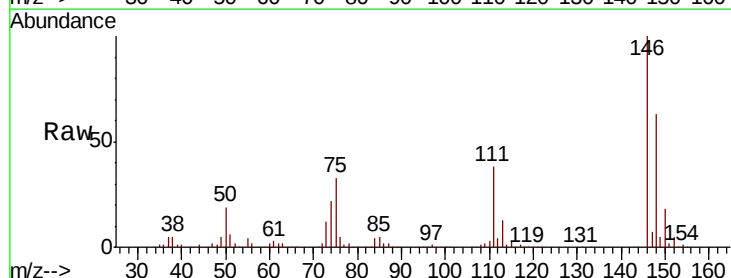
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV06

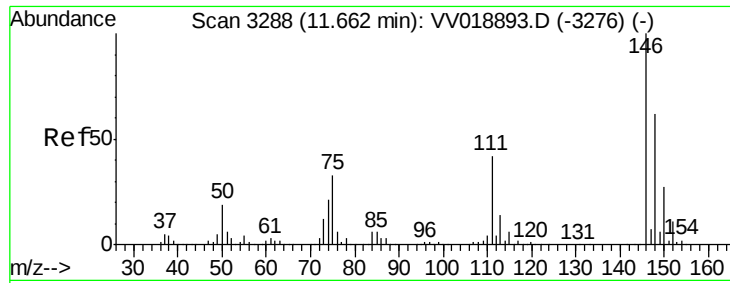
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	28.3	52.7
148	63.4	45.1	83.7



#63
 1,4-Dichlorobenzene
 Concen: 49.653 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018896.D
 Acq: 14 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	27.5	51.1
148	63.4	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 50.100 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

VICV06

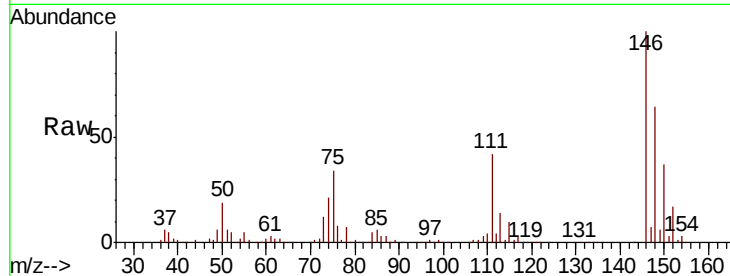
Tot Ion:146 Resp: 292942

Ion Ratio Lower Upper

146 100

111 42.1 33.9 50.9

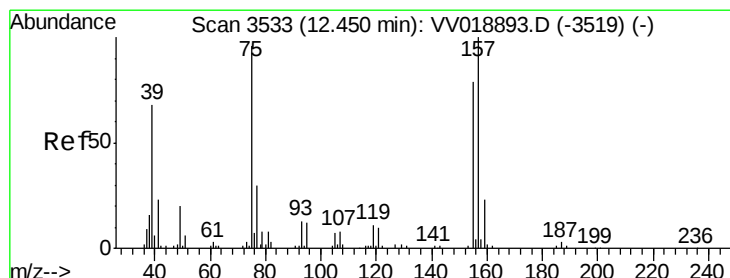
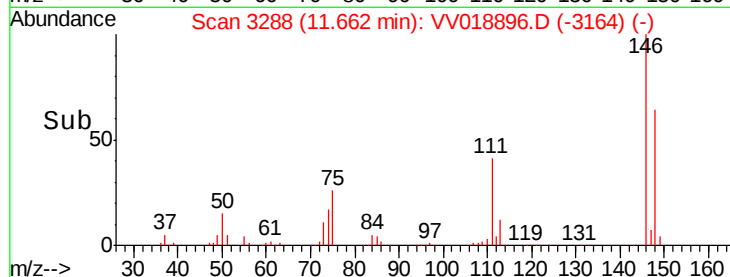
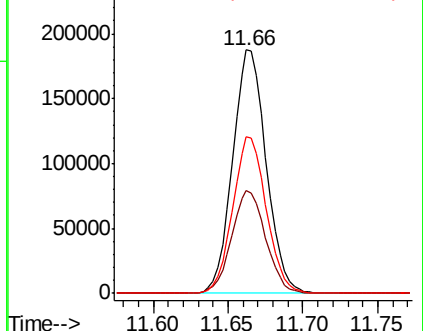
148 64.2 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.739 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

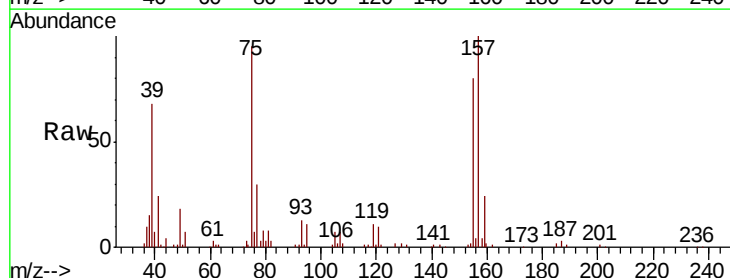
Tgt Ion: 75 Resp: 41598

Ion Ratio Lower Upper

75 100

155 84.4 65.7 98.5

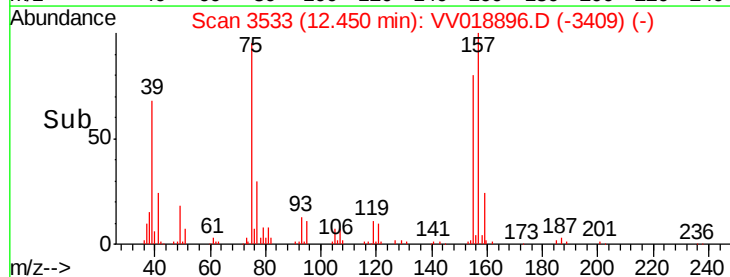
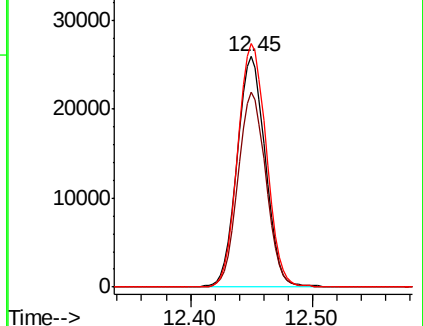
157 105.6 83.0 124.4

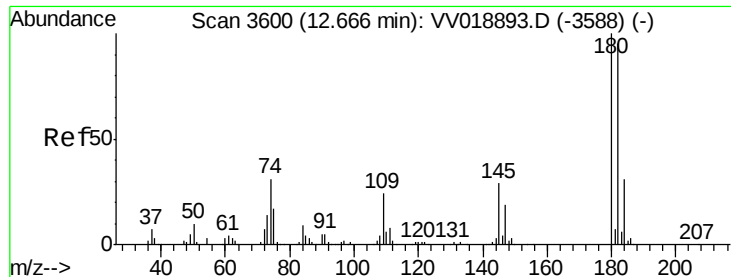


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

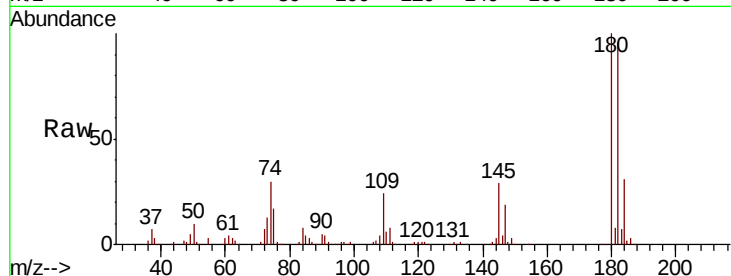




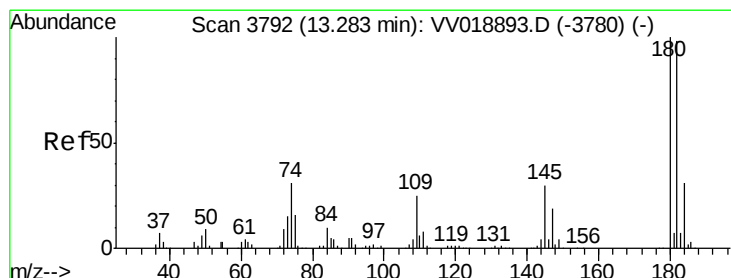
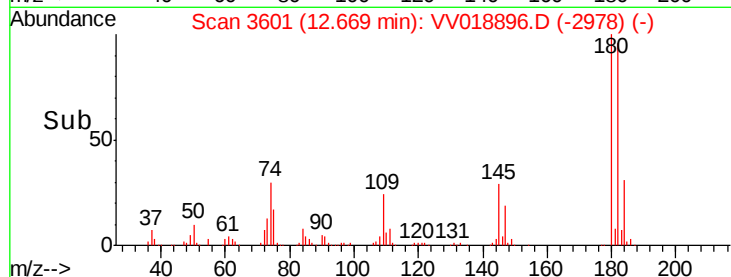
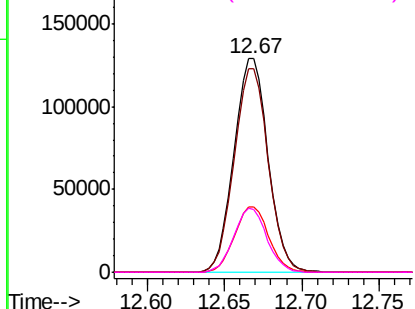
#67
 1,3,5-Trichlorobenzene
 Concen: 50.740 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018896.D
 Acq: 14 Oct 2020 15:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV06

Tot Ion:	180	Resp:	197537
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.8
184	30.9	24.9	37.3
145	29.1	23.2	34.8

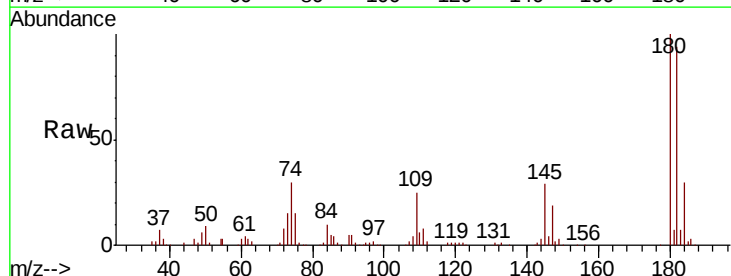


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

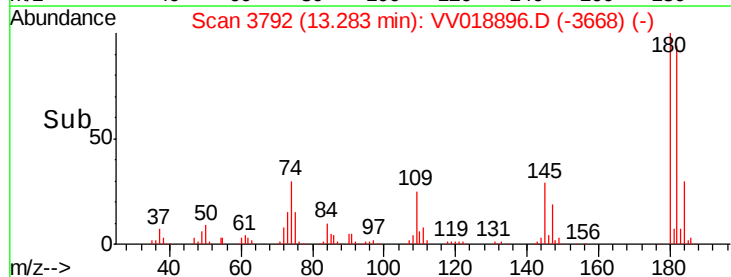
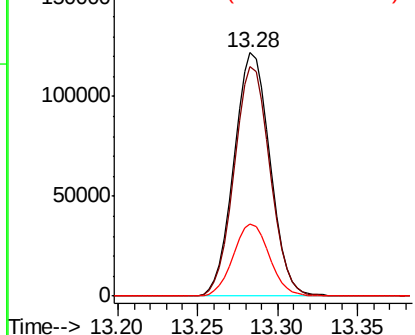


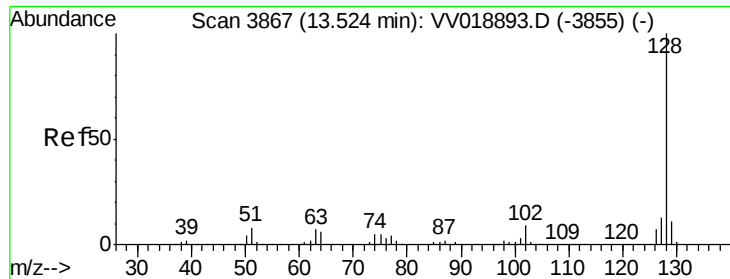
#68
 1,2,4-trichlorobenzene
 Concen: 52.096 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018896.D
 Acq: 14 Oct 2020 15:32

Tgt Ion:	180	Resp:	186885
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.5	114.7
145	29.5	23.7	35.5



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





#69

Naphthalene

Concen: 54.029 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

VICV06

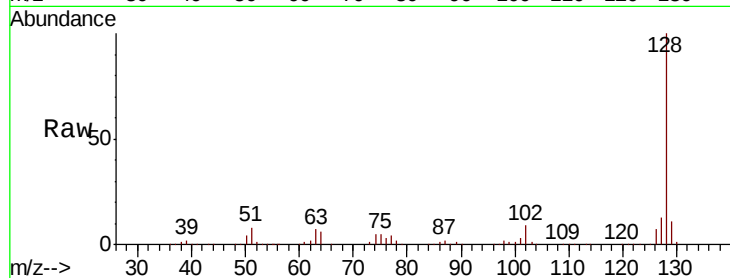
Tot Ion:128 Resp: 550041

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

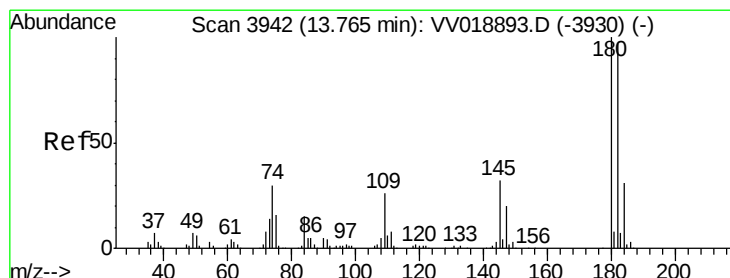
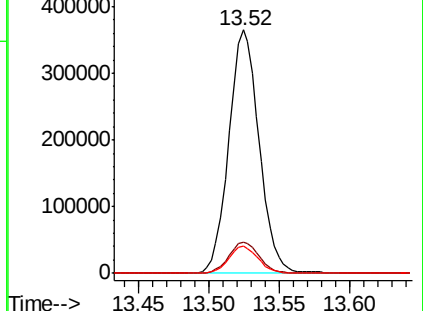
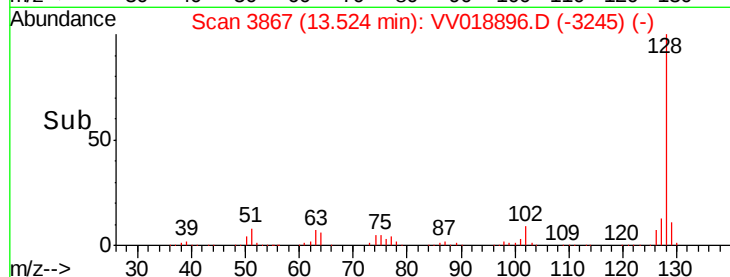
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.541 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018896.D

Acq: 14 Oct 2020 15:32

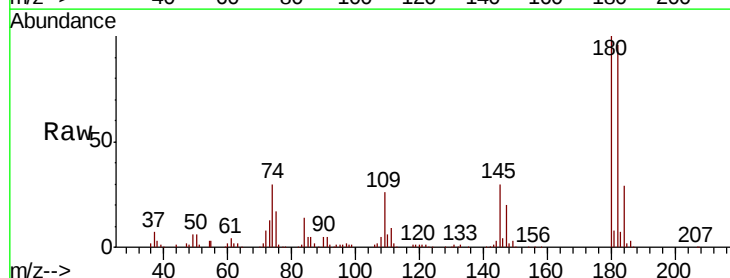
Tgt Ion:180 Resp: 188402

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 31.4 25.4 38.0



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

