

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\
 Data File : VV018106.D
 Acq On : 27 Aug 2020 10:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Quant Time: Aug 28 06:05:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 27 12:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	281165	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	280478	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153238	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92853	43.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.56%
7) Chloroethane-d5	1.58	69	82544	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.06%
11) 1,1-Dichloroethene-d2	2.12	63	187639	45.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.46%
21) 2-Butanone-d5	3.91	46	128436	91.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.41%
24) Chloroform-d	4.37	84	186275	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.05	65	121592	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
32) Benzene-d6	5.07	84	364974	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
36) 1,2-Dichloropropane-d6	6.09	67	118253	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.58%
41) Toluene-d8	7.33	98	334963	48.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.38%
43) trans-1,3-Dichloropropene-	7.64	79	59090	51.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.10%
47) 2-Hexanone-d5	8.11	63	74170	91.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.46%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	151424	46.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	141605	46.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	86731	39.955	ug/L 99
3) Chloromethane	1.25	50	99103	39.302	ug/L 100
5) Vinyl chloride	1.32	62	103786	41.542	ug/L 99
6) Bromomethane	1.53	94	63965	42.838	ug/L 99
8) Chloroethane	1.60	64	68982	43.260	ug/L 100
9) Trichlorofluoromethane	1.76	101	155310	43.520	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	91203	45.770	ug/L 98
12) 1,1-Dichloroethene	2.13	96	83375	44.206	ug/L 96
13) Acetone	2.20	43	149039	102.696	ug/L 98
14) Carbon disulfide	2.31	76	219404	42.266	ug/L 100
15) Methyl Acetate	2.45	43	97693	41.713	ug/L 100
16) Methylene chloride	2.52	84	97922	40.753	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	86528	44.631	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	291593	45.478	ug/L 99
19) 1,1-Dichloroethane	3.21	63	174745	44.826	ug/L 100
20) cis-1,2-Dichloroethene	3.93	96	96650	45.365	ug/L 96
22) 2-Butanone	3.99	43	160618	98.655	ug/L 98

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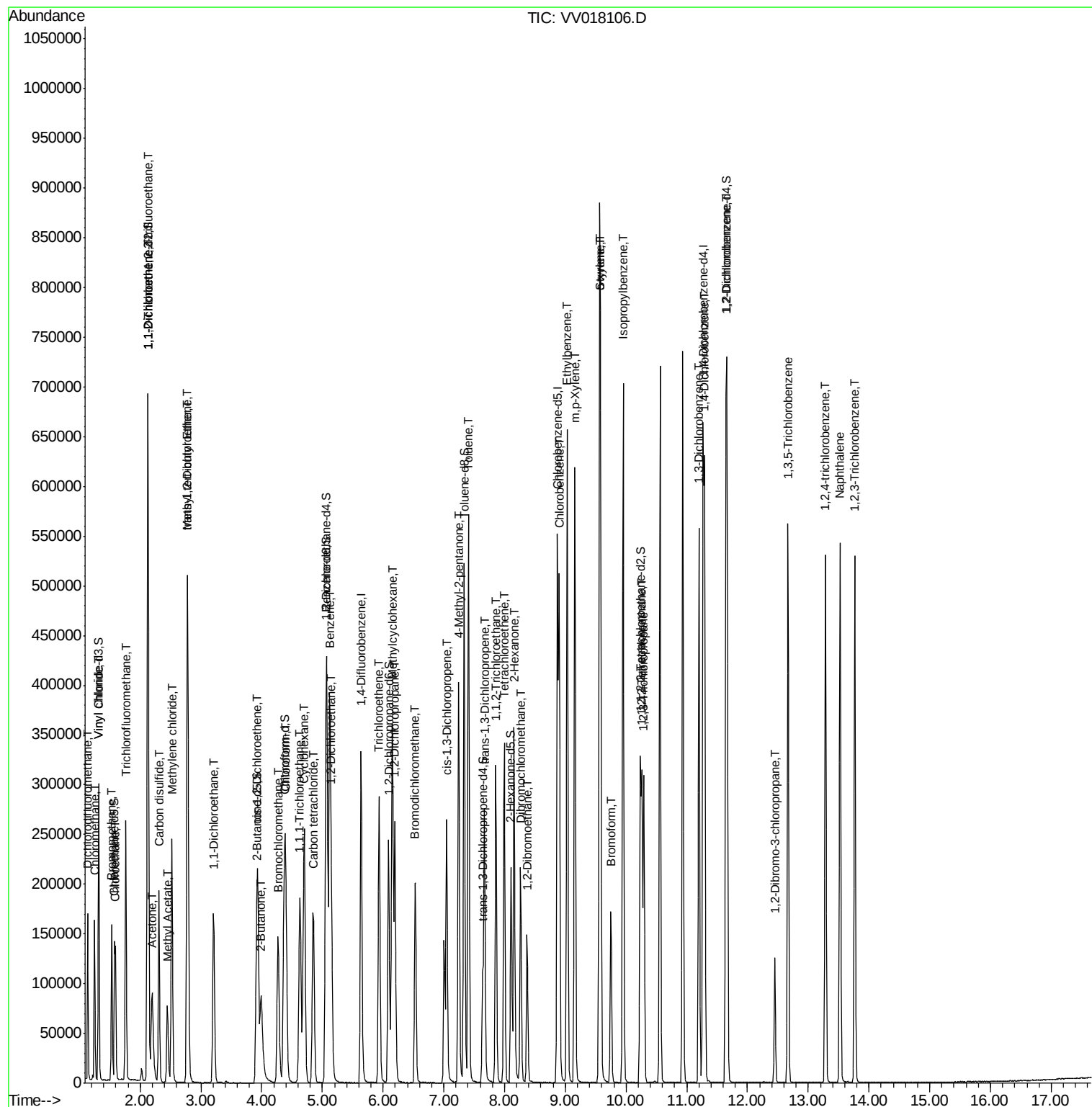
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	51186	45.990	ug/L	97
25) Chloroform	4.40	83	181517	45.651	ug/L	98
27) 1,2-Dichloroethane	5.15	62	140336	44.342	ug/L	98
29) Cyclohexane	4.70	56	142137	41.988	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	151363	44.038	ug/L	99
31) Carbon tetrachloride	4.85	117	130980	45.776	ug/L	99
33) Benzene	5.12	78	376021	43.333	ug/L	100
34) Trichloroethene	5.94	95	100123	43.651	ug/L	98
35) Methylcyclohexane	6.15	83	145410	42.633	ug/L	100
37) 1,2-Dichloropropane	6.19	63	103381	43.686	ug/L	99
38) Bromodichloromethane	6.53	83	134416	45.729	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	158281	47.181	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	260220	84.116	ug/L	100
42) Toluene	7.41	91	403271	44.536	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	153921	48.357	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	96424	43.998	ug/L	99
46) Tetrachloroethene	7.99	164	77535	46.091	ug/L	99
48) 2-Hexanone	8.15	43	223914	89.759	ug/L	99
49) Dibromochloromethane	8.26	129	107129	50.081	ug/L	100
50) 1,2-Dibromoethane	8.37	107	99892	44.055	ug/L	96
51) Chlorobenzene	8.90	112	261997	44.989	ug/L	98
52) Ethylbenzene	9.03	91	444450	45.017	ug/L	100
53) m,p-Xylene	9.16	106	167237	46.055	ug/L	97
54) o-xylene	9.56	106	161667	45.051	ug/L	98
55) Styrene	9.58	104	292664	47.624	ug/L	100
56) Isopropylbenzene	9.95	105	439044	46.377	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	144977	42.482	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	122003	41.745	ug/L	100
61) Bromoform	9.75	173	77511	53.458	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	221466	45.449	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	226049	45.157	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	221237	44.110	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	30417	41.161	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	173548	46.884	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	159283	48.943	ug/L	99
69) Naphthalene	13.52	128	406767	45.346	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	159768	48.273	ug/L	99

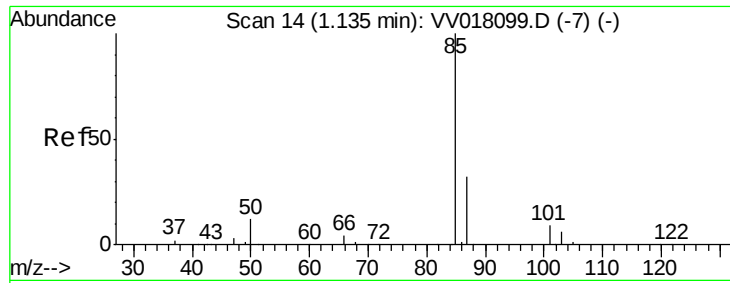
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 39.955 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

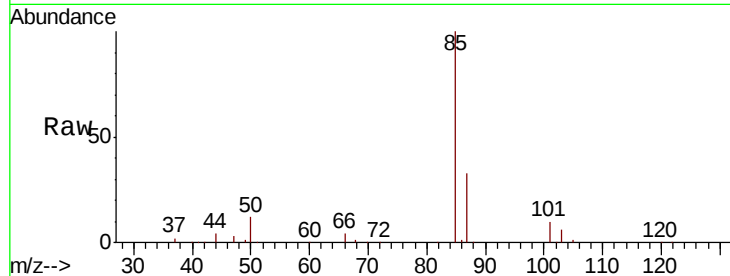
VSTD05087

Tot Ion: 85 Resp: 86731

Ion Ratio Lower Upper

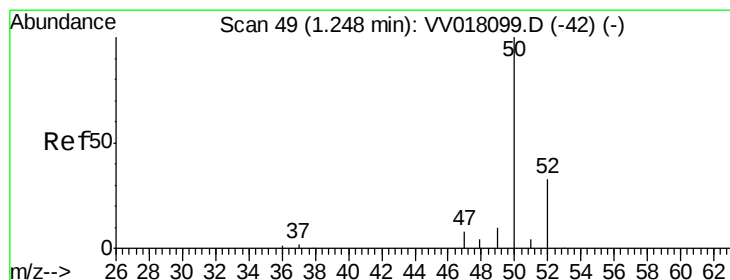
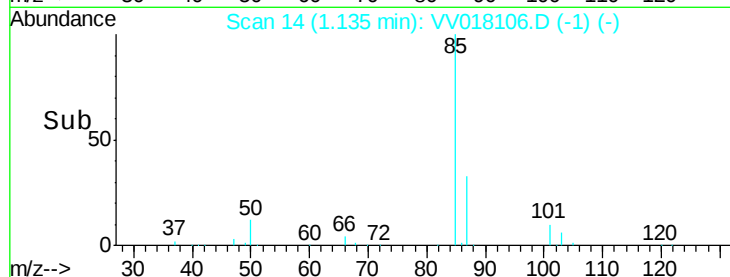
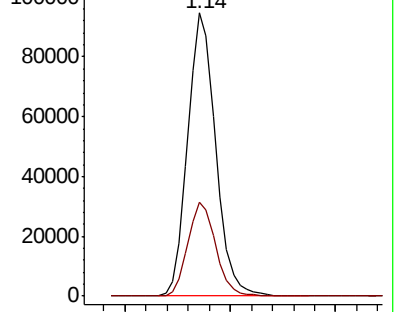
85 100

87 33.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018099.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018099.D (-7) (-)



#3

Chloromethane

Concen: 39.302 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018106.D

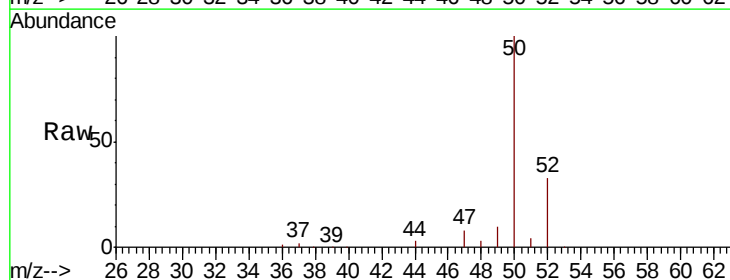
Acq: 27 Aug 2020 10:29

Tgt Ion: 50 Resp: 99103

Ion Ratio Lower Upper

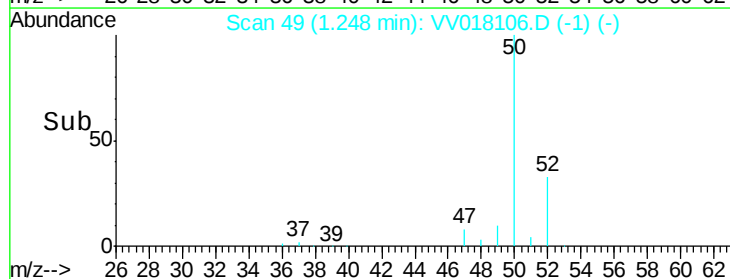
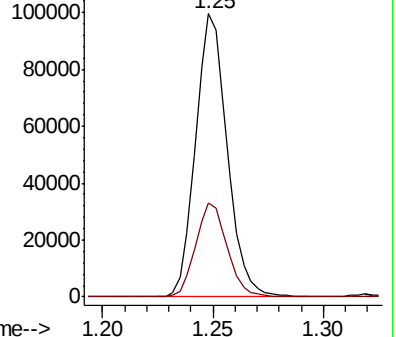
50 100

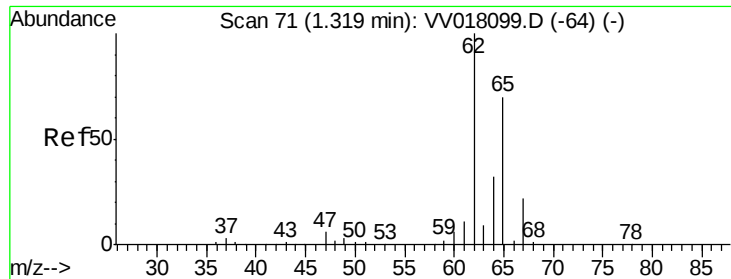
52 33.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018099.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018099.D (-42) (-)





#5

Vinyl chloride

Concen: 41.542 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

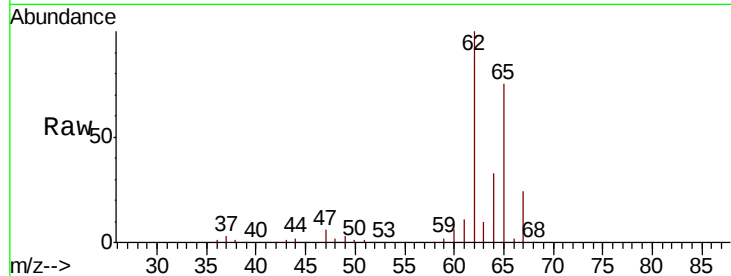
VSTD05087

Tot Ion: 62 Resp: 103786

Ion Ratio Lower Upper

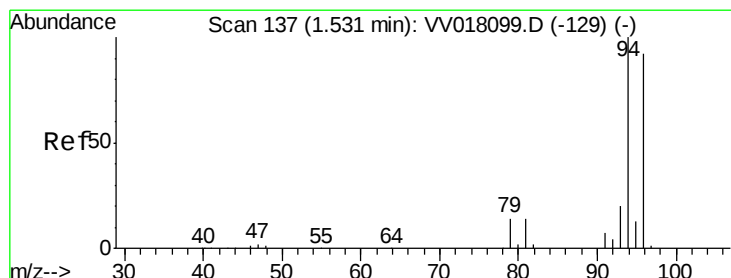
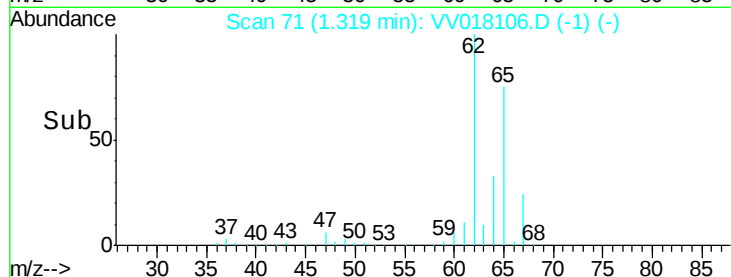
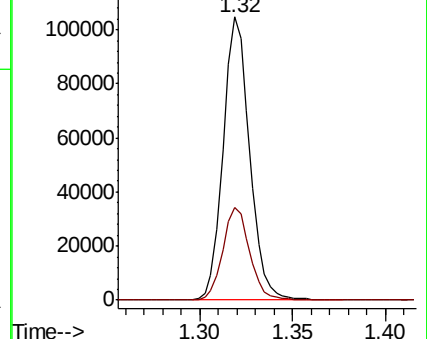
62 100

64 32.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 42.838 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018106.D

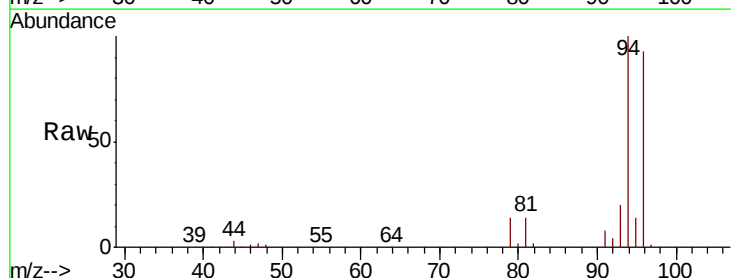
Acq: 27 Aug 2020 10:29

Tgt Ion: 94 Resp: 63965

Ion Ratio Lower Upper

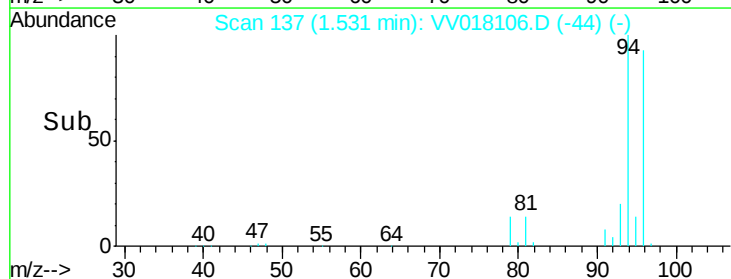
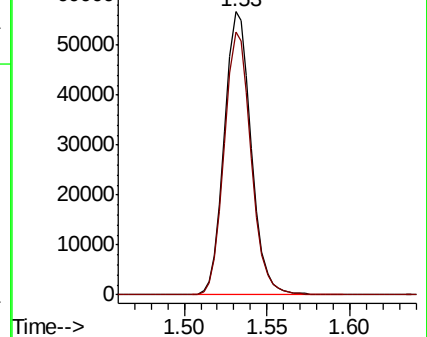
94 100

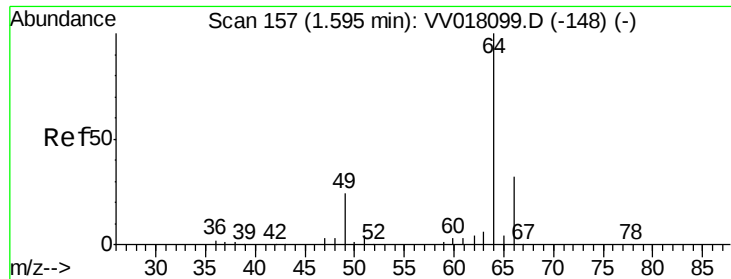
96 92.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 43.260 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

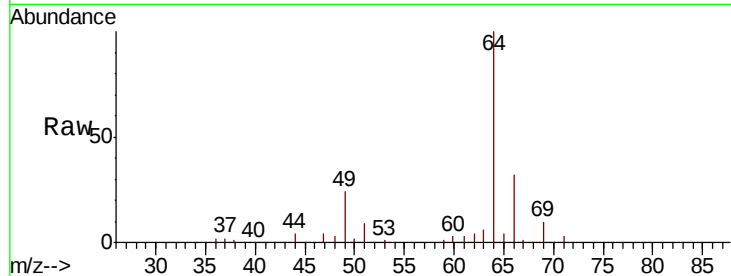
VSTD05087

Tot Ion: 64 Resp: 68982

Ion Ratio Lower Upper

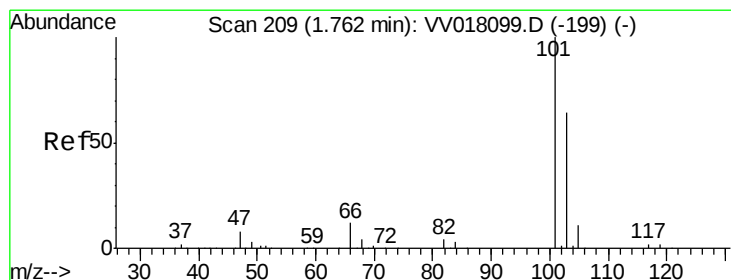
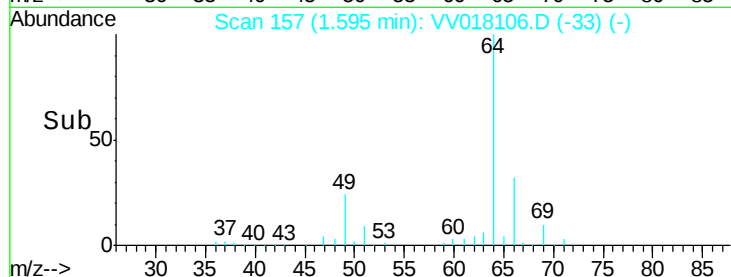
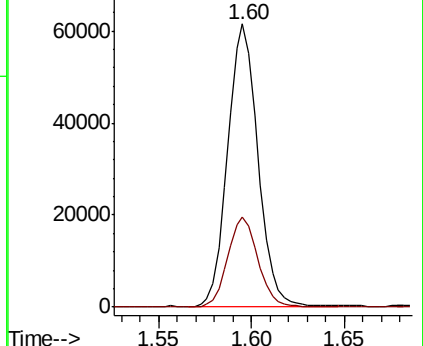
64 100

66 31.9 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018099.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018099.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 43.520 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018106.D

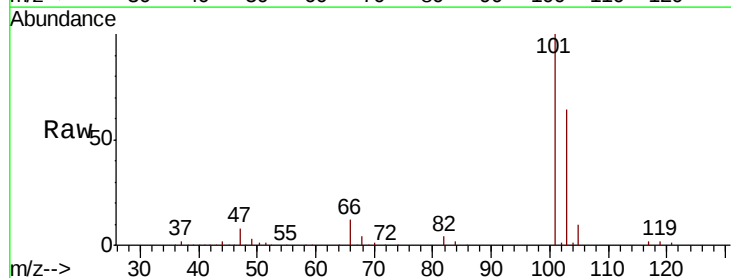
Acq: 27 Aug 2020 10:29

Tgt Ion: 101 Resp: 155310

Ion Ratio Lower Upper

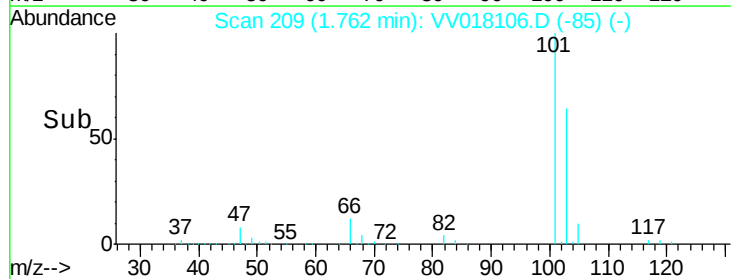
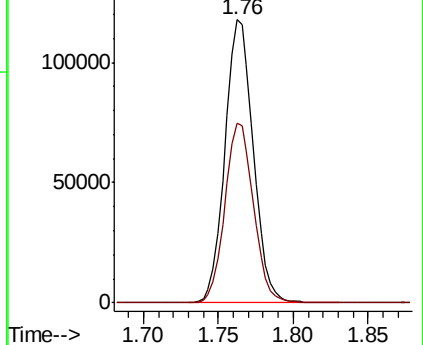
101 100

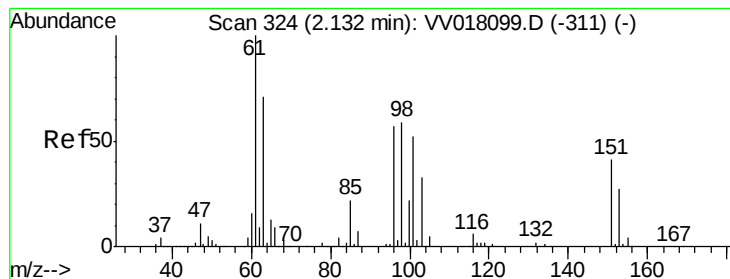
103 64.1 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018099.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018099.D (-199) (-)





#10

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

Concen: 45.770 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

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VSTD05087

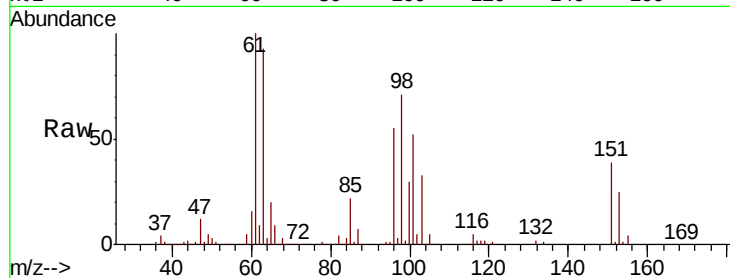
Tot Ion:101 Resp: 91203

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

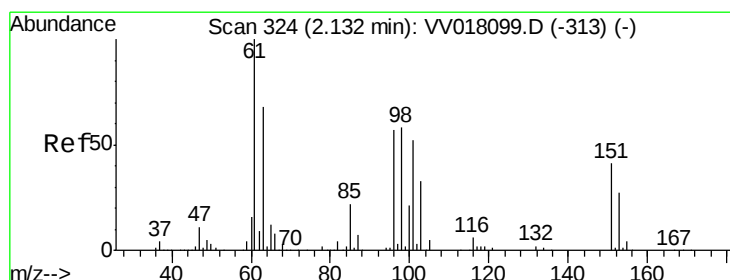
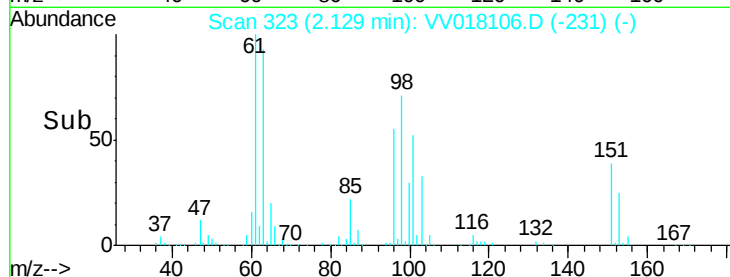
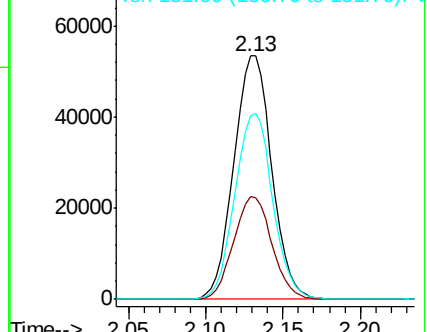
151 76.2 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV018099.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018099.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018099.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 44.206 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

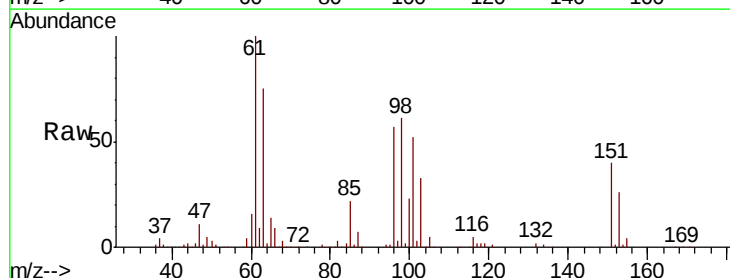
Tgt Ion: 96 Resp: 83375

Ion Ratio Lower Upper

96 100

61 176.3 127.1 236.0

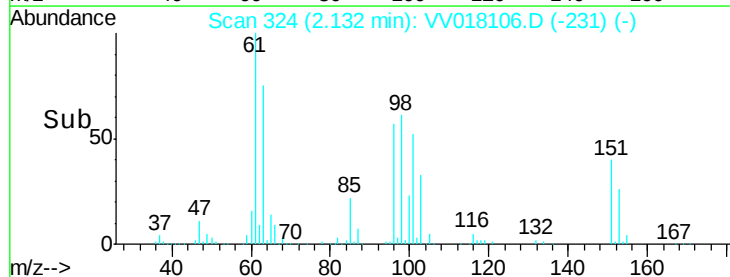
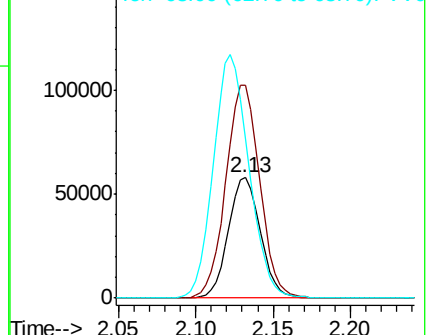
63 131.7 95.2 176.8

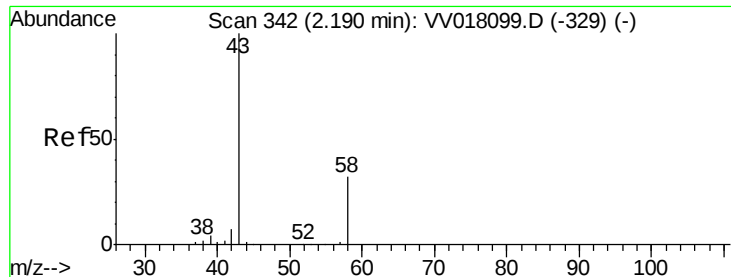


Abundance Ion 96.00 (95.70 to 96.70): VV018106.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018106.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018106.D (-231) (-)





#13

Acetone

Concen: 102.696 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

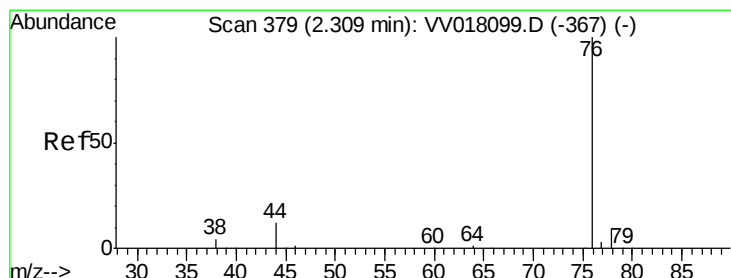
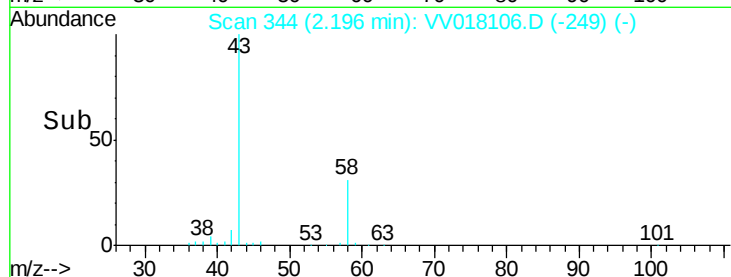
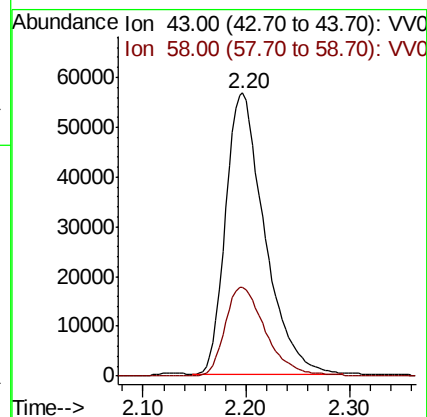
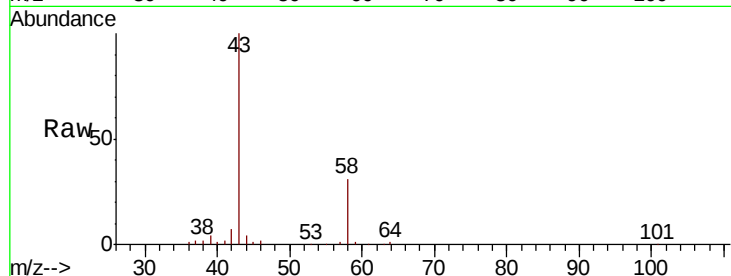
VSTD05087

Tot Ion: 43 Resp: 149039

Ion Ratio Lower Upper

43 100

58 33.0 0.0 63.6



#14

Carbon disulfide

Concen: 42.266 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018106.D

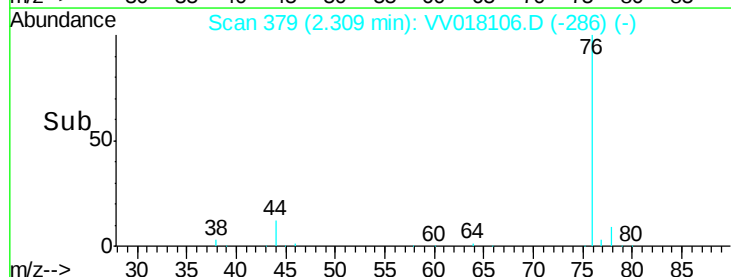
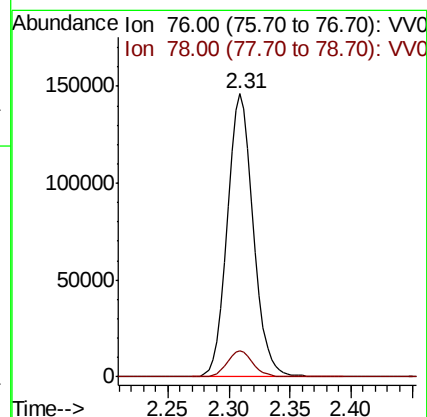
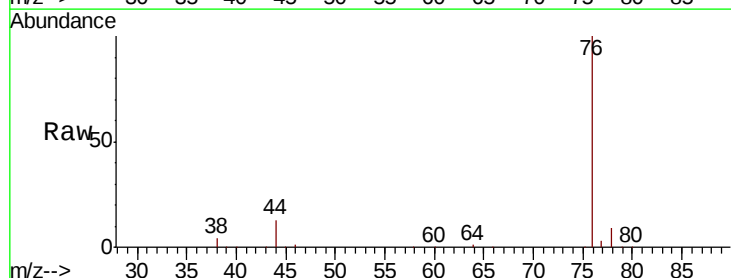
Acq: 27 Aug 2020 10:29

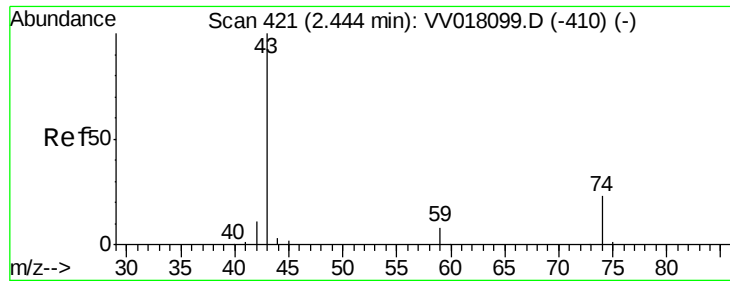
Tgt Ion: 76 Resp: 219404

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

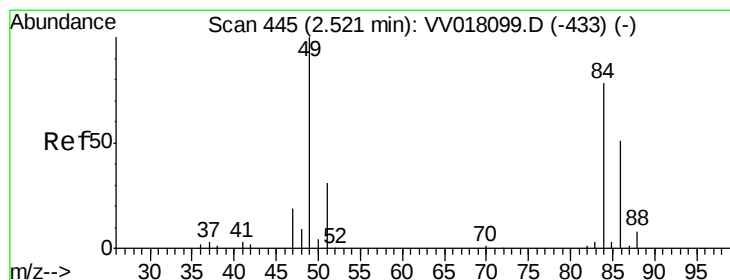
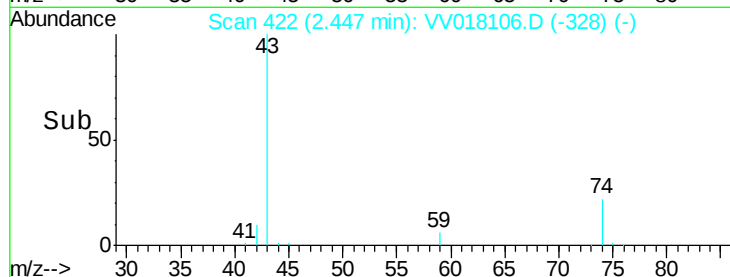
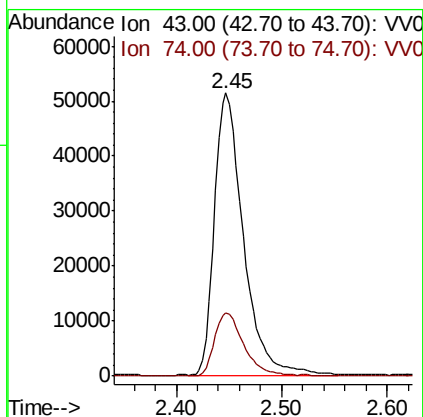
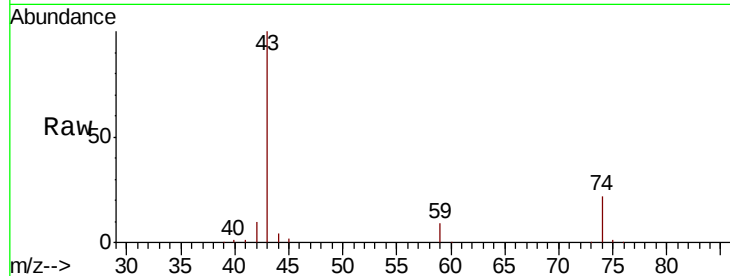




#15
Methvl Acetate
Concen: 41.713 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018106.D
Acq: 27 Aug 2020 10:29

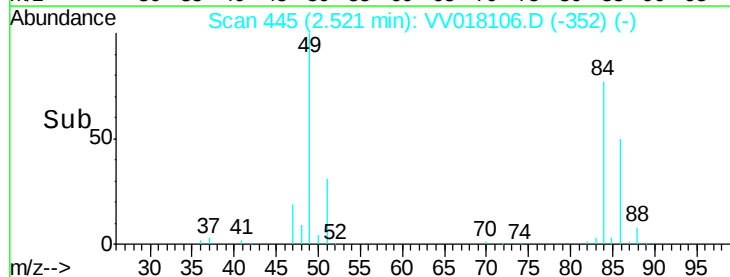
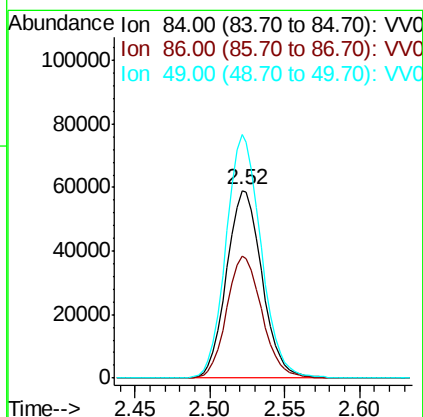
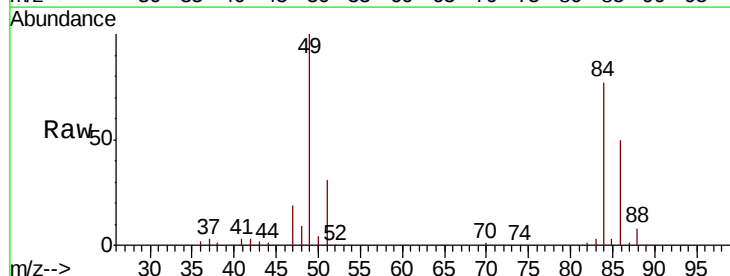
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

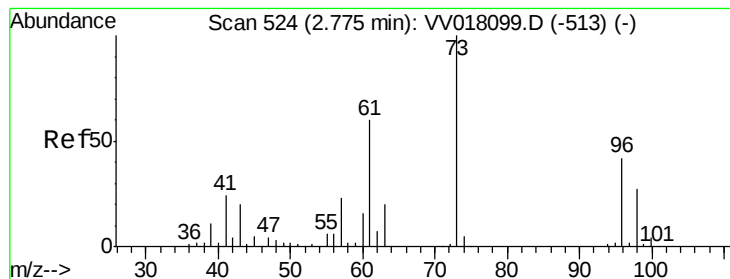
Tot Ion: 43 Resp: 97693
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6



#16
Methylene chloride
Concen: 40.753 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018106.D
Acq: 27 Aug 2020 10:29

Tgt Ion: 84 Resp: 97922
Ion Ratio Lower Upper
84 100
86 65.1 46.3 85.9
49 129.9 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 44.631 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

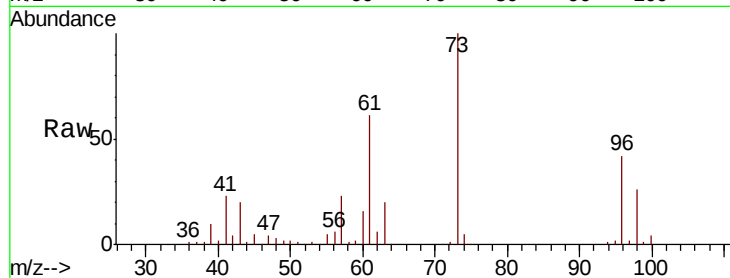
Tot Ion: 96 Resp: 86528

Ion Ratio Lower Upper

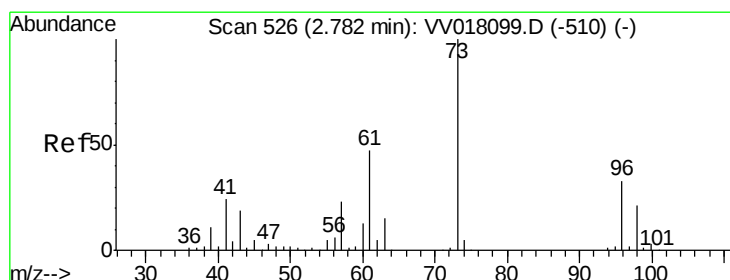
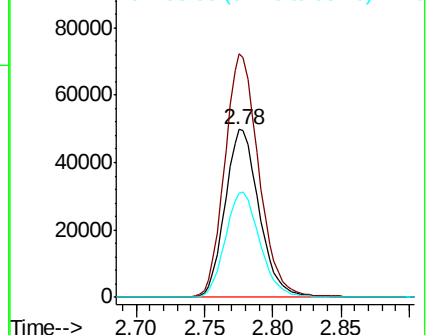
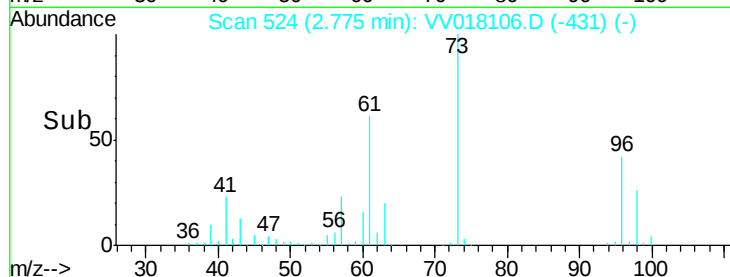
96 100

61 145.0 102.4 190.2

98 62.2 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV018106.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 45.478 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

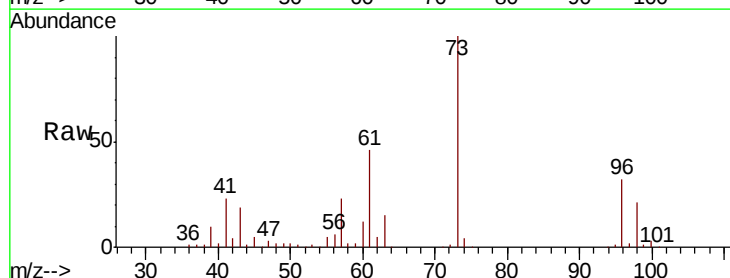
Tgt Ion: 73 Resp: 291593

Ion Ratio Lower Upper

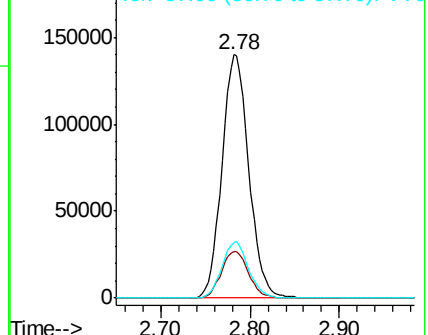
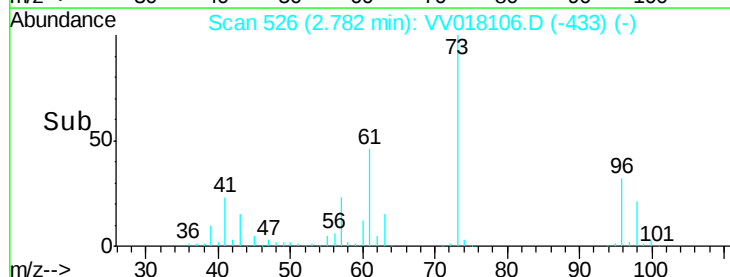
73 100

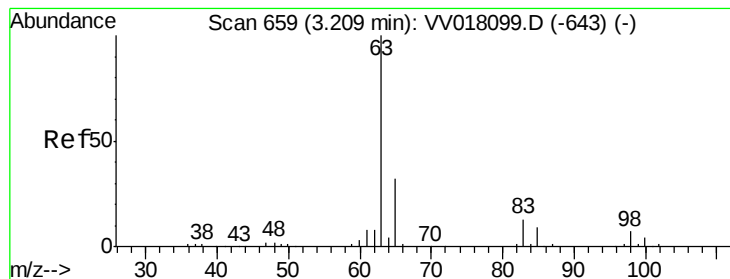
43 19.4 15.9 23.9

57 22.8 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VV018106.D (-433) (-)





#19

1,1-Dichloroethane

Concen: 44.826 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

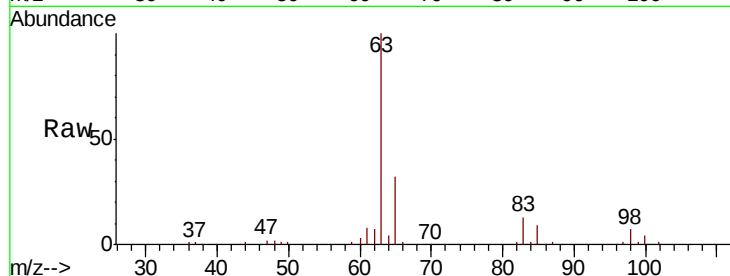
Tot Ion: 63 Resp: 174745

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.7

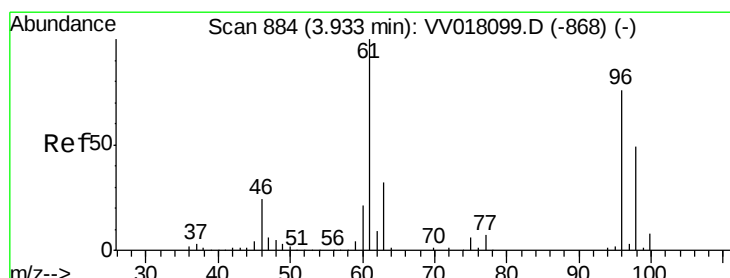
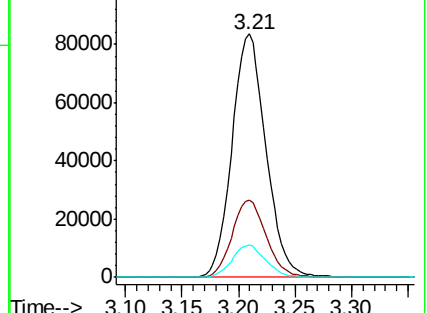
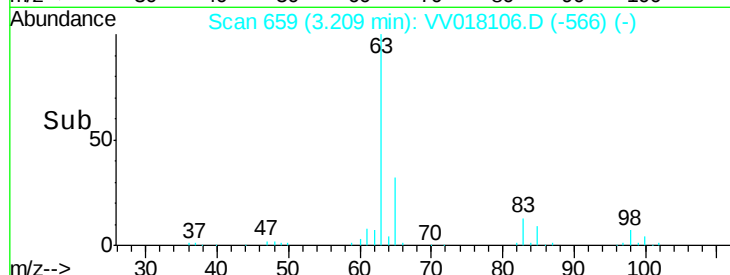
83 13.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV018106.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV018106.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV018106.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 45.365 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

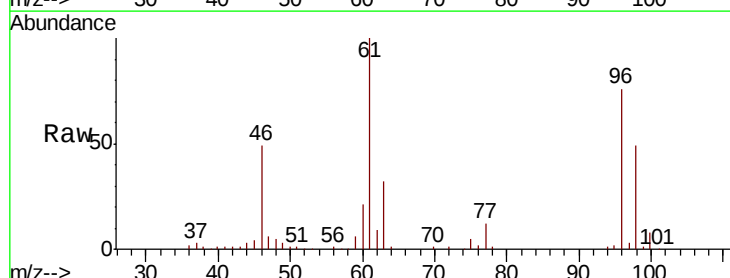
Tgt Ion: 96 Resp: 96650

Ion Ratio Lower Upper

96 100

61 130.9 95.0 176.4

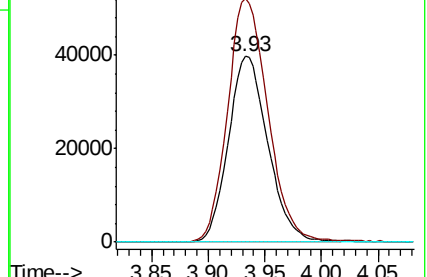
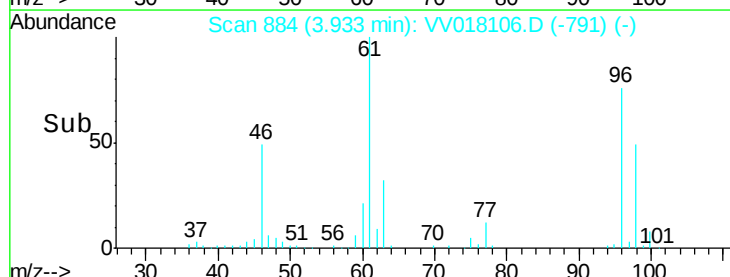
68 0.0 0.0 0.0

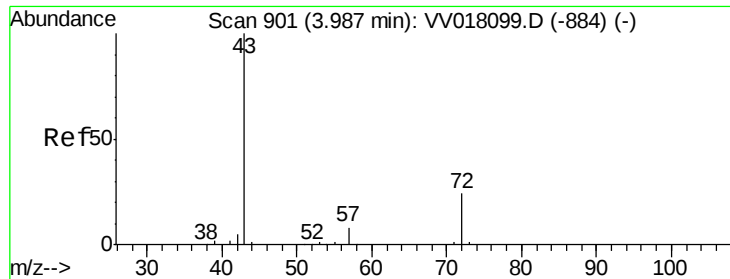


Abundance Ion 96.00 (95.70 to 96.70): VV018106.D (-791) (-)

Ion 61.00 (60.70 to 61.70): VV018106.D (-791) (-)

Ion 68.00 (67.70 to 68.70): VV018106.D (-791) (-)





#22

2-Butanone

Concen: 98.655 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.01 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

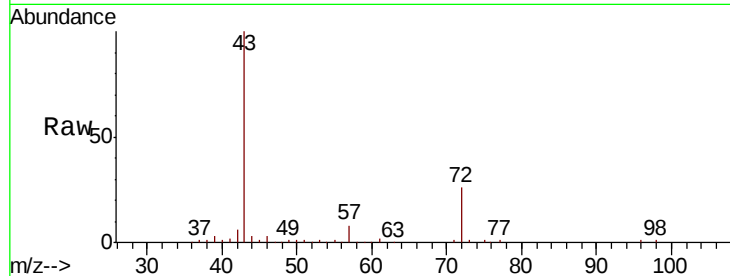
VSTD05087

Tot Ion: 43 Resp: 160618

Ion Ratio Lower Upper

43 100

72 24.3 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018106.D (-808) (-)

Ion 72.00 (71.70 to 72.70): VV018106.D (-808) (-)

3.99

60000

50000

40000

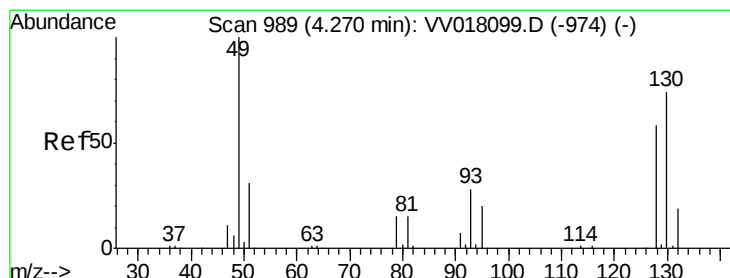
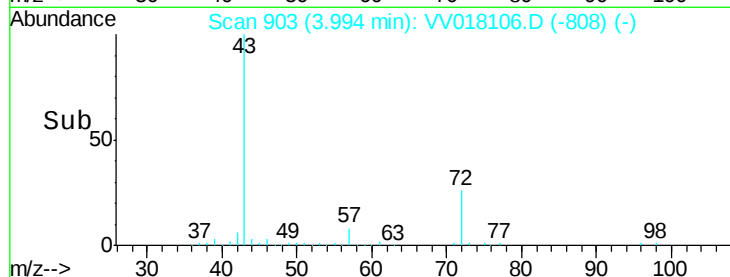
30000

20000

10000

0

Time-->



#23

Bromochloromethane

Concen: 45.990 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Tgt Ion:128 Resp: 51186

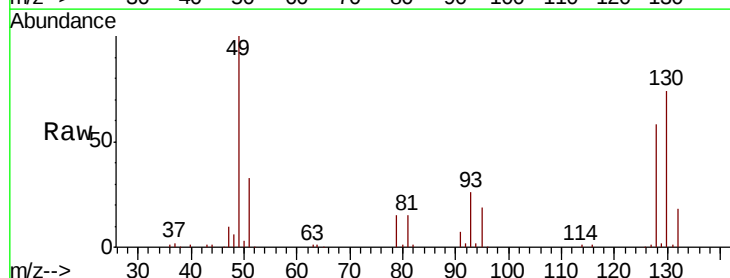
Ion Ratio Lower Upper

128 100

49 172.0 125.6 233.3

130 126.5 89.9 167.0

51 57.1 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV018106.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018106.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018106.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018106.D (-896) (-)

4.27

50000

40000

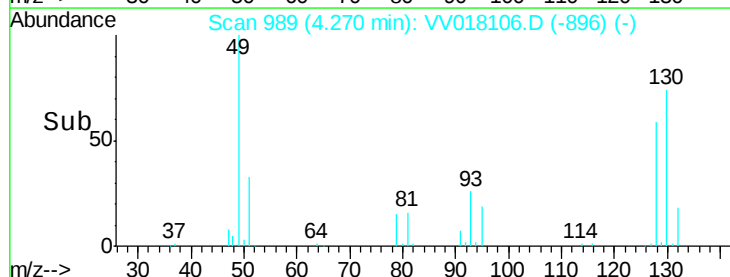
30000

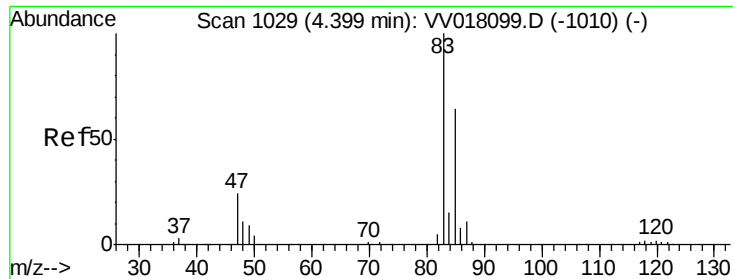
20000

10000

0

Time-->

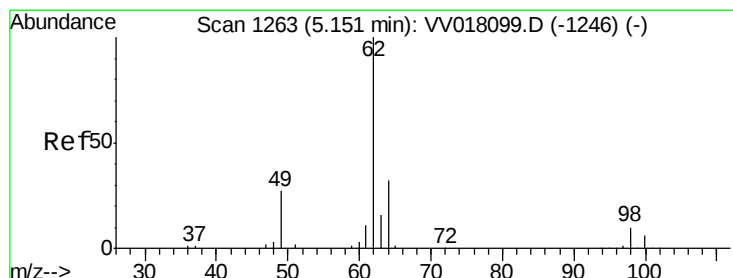
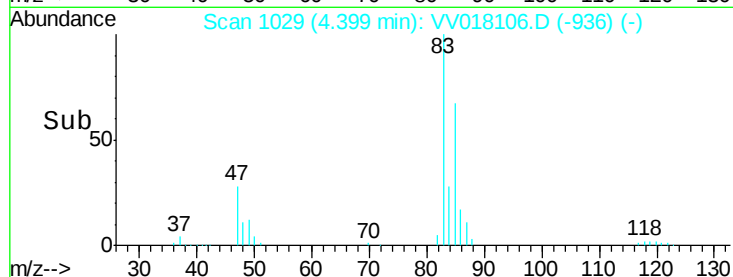
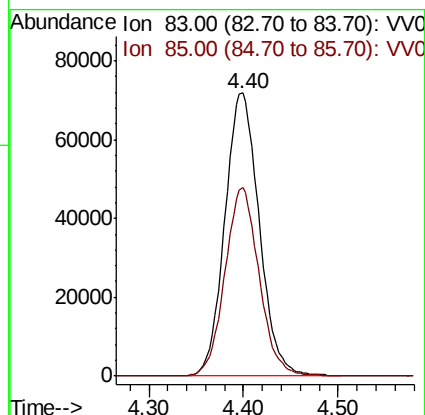
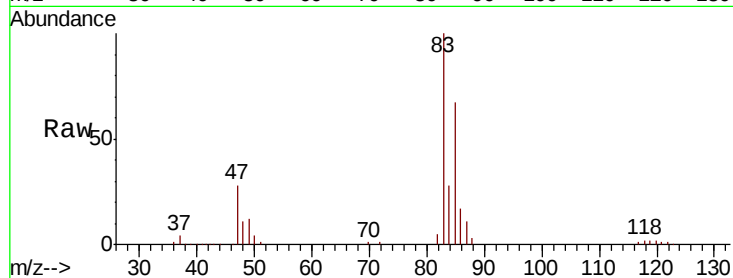




#25
Chloroform
Concen: 45.651 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018106.D
Acq: 27 Aug 2020 10:29

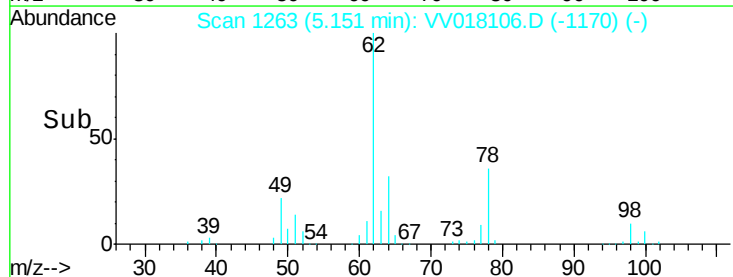
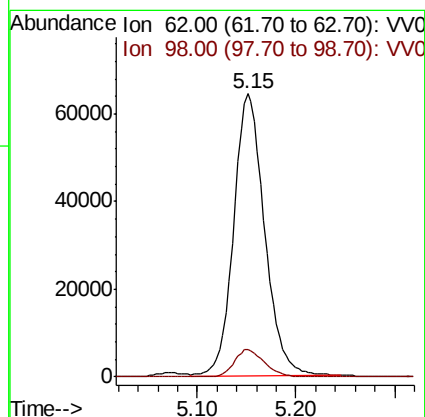
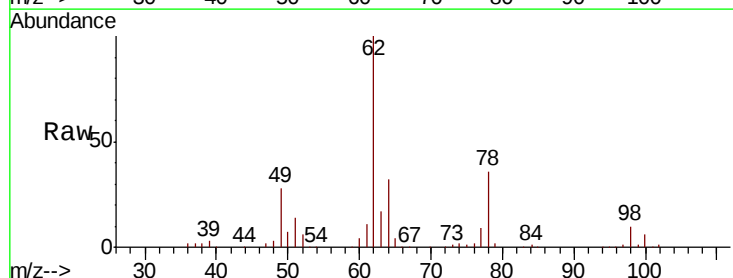
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

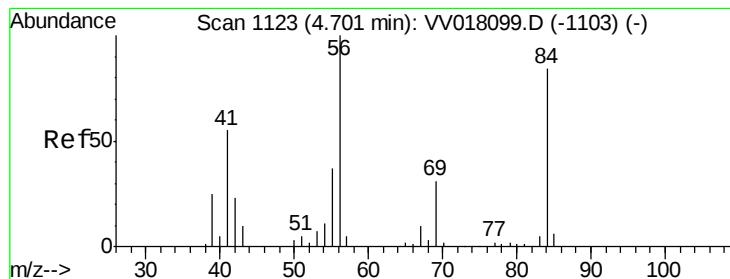
Tot Ion: 83 Resp: 181517
Ion Ratio Lower Upper
83 100
85 66.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 44.342 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018106.D
Acq: 27 Aug 2020 10:29

Tgt Ion: 62 Resp: 140336
Ion Ratio Lower Upper
62 100
98 9.7 7.1 10.7





#29

Cyclohexane

Concen: 41.988 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

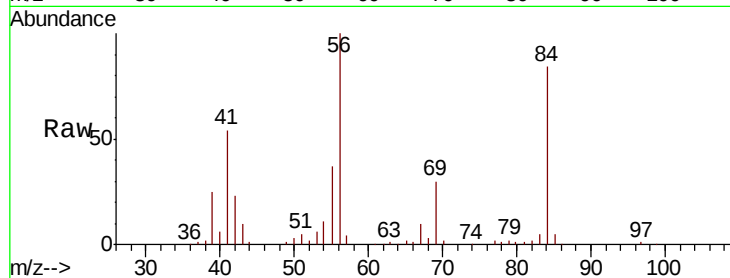
Tot Ion: 56 Resp: 142137

Ion Ratio Lower Upper

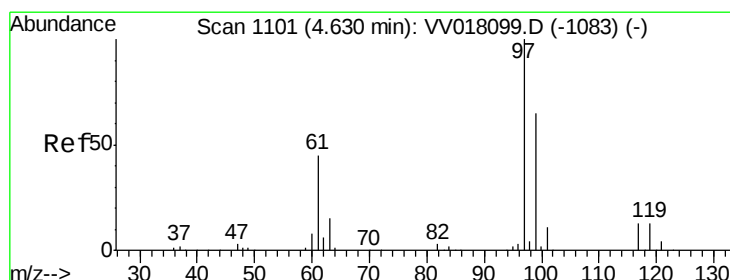
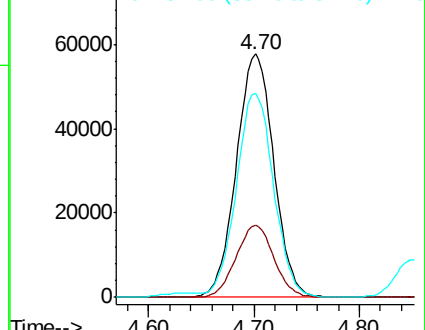
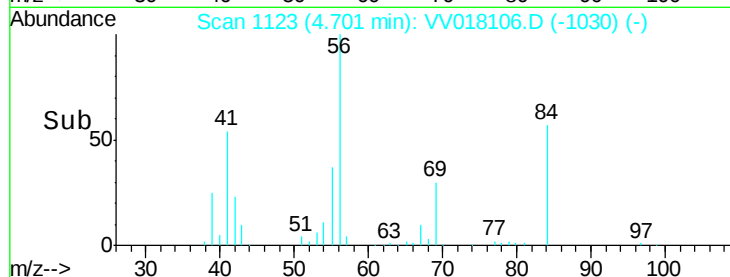
56 100

69 30.0 23.8 35.8

84 83.7 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV018106.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 44.038 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

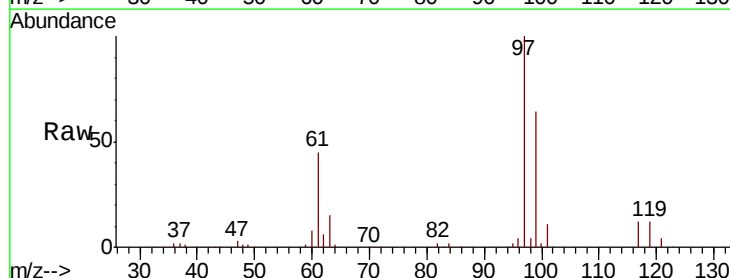
Tgt Ion: 97 Resp: 151363

Ion Ratio Lower Upper

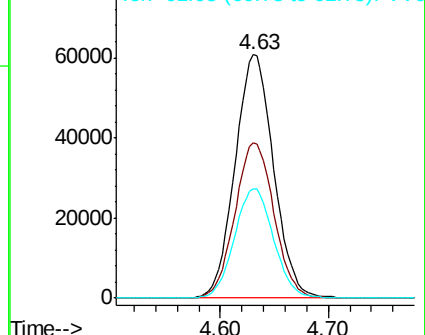
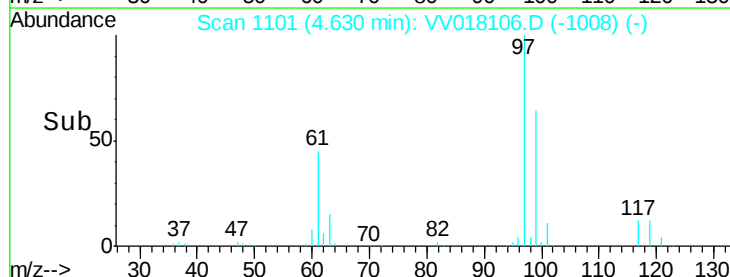
97 100

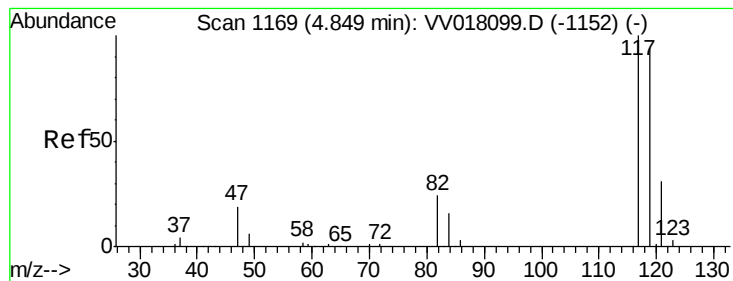
99 64.6 50.6 76.0

61 45.7 37.0 55.6



Abundance Ion 97.00 (96.70 to 97.70): VV018106.D (-1008) (-)





#31

Carbon tetrachloride

Concen: 45.776 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

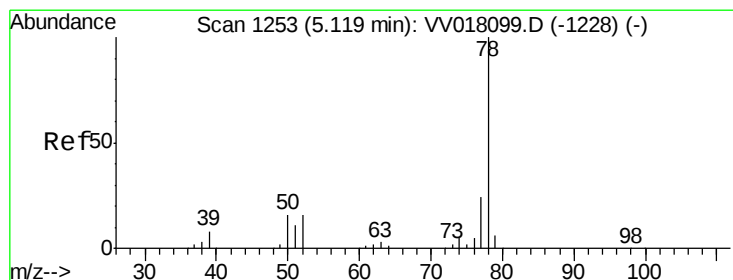
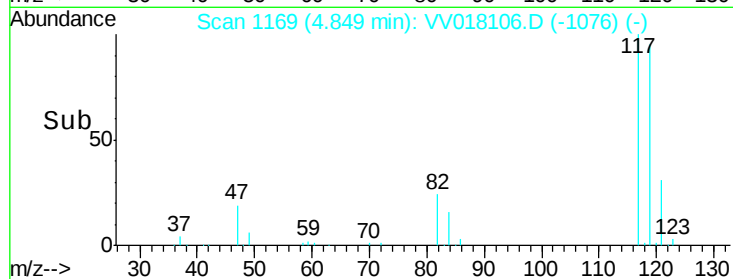
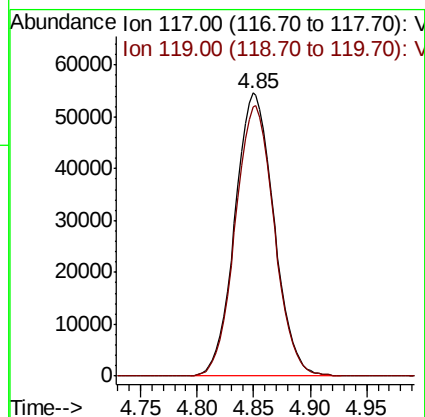
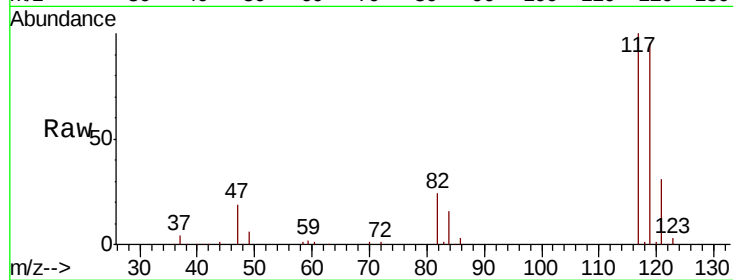
VSTD05087

Tot Ion:117 Resp: 130980

Ion Ratio Lower Upper

117 100

119 95.4 77.0 115.6



#33

Benzene

Concen: 43.333 ug/L

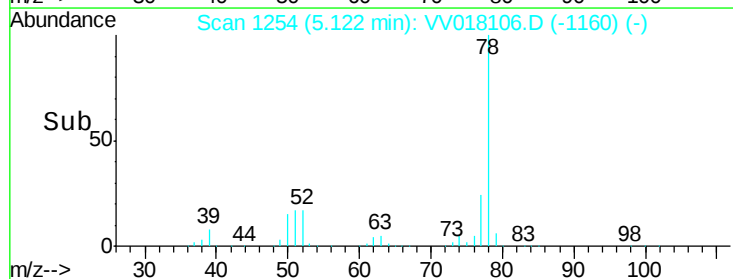
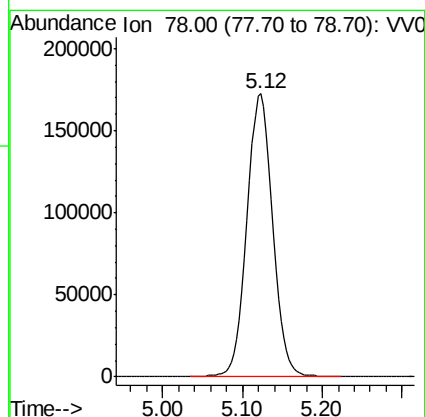
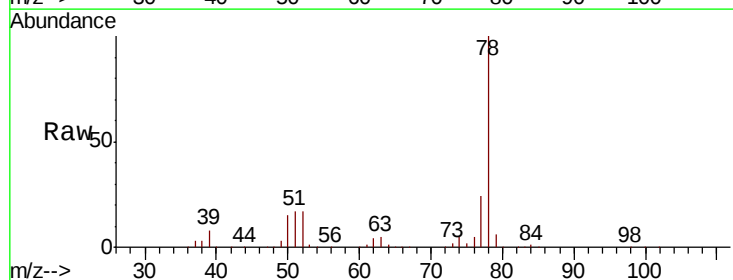
RT: 5.12 min Scan# 1254

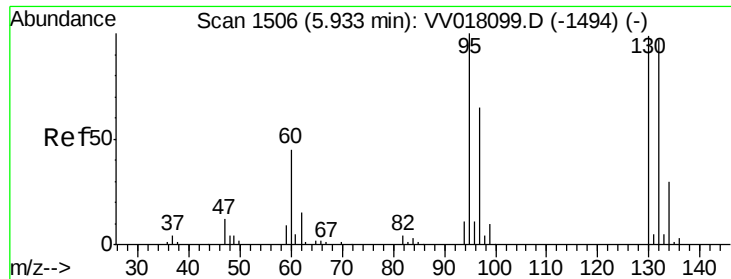
Delta R.T. 0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Tgt Ion: 78 Resp: 376021

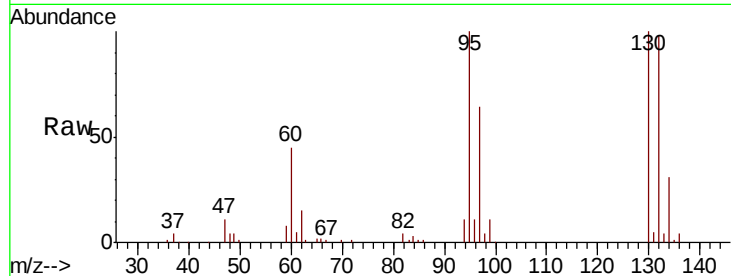




#34
 Trichloroethene
 Concen: 43.651 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tot Ion:	95	Resp:	100123
Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.0	85.4
132	98.2	65.8	122.2
130	100.3	69.2	128.6



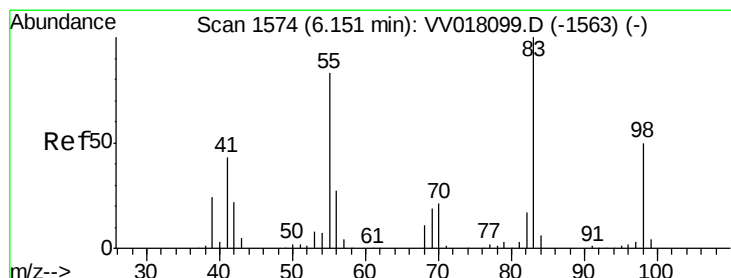
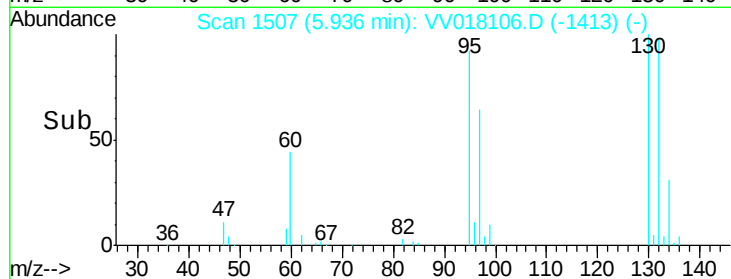
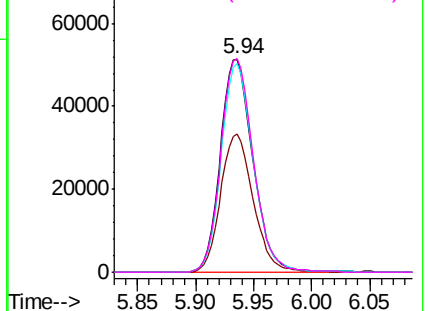
Abundance

Ion 95.00 (94.70 to 95.70): VV018099.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV018099.D (-1494) (-)

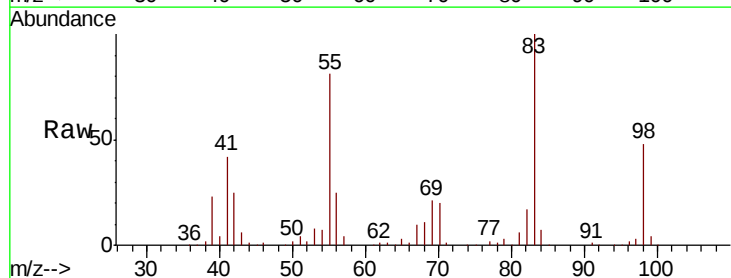
Ion 132.00 (131.70 to 132.70): VV018099.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV018099.D (-1494) (-)



#35
 Methylcyclohexane
 Concen: 42.633 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

Tgt Ion:	83	Resp:	145410
Ion	Ratio	Lower	Upper
83	100		
55	80.8	64.9	97.3
98	48.2	38.7	58.1

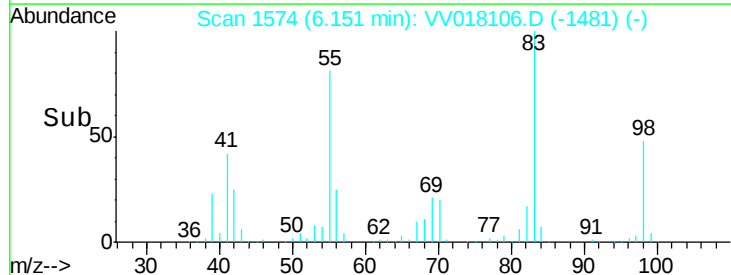
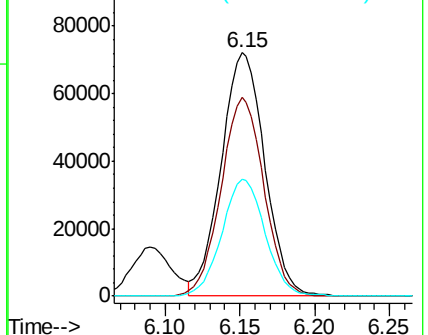


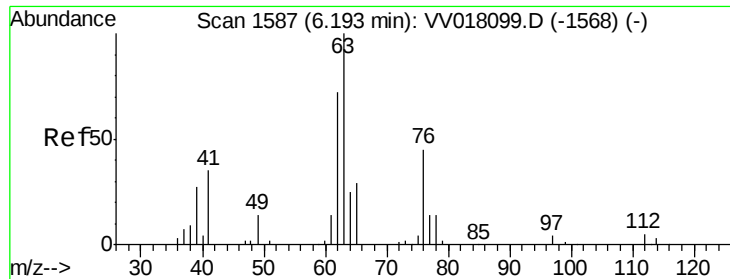
Abundance

Ion 83.00 (82.70 to 83.70): VV018099.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV018099.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV018099.D (-1563) (-)

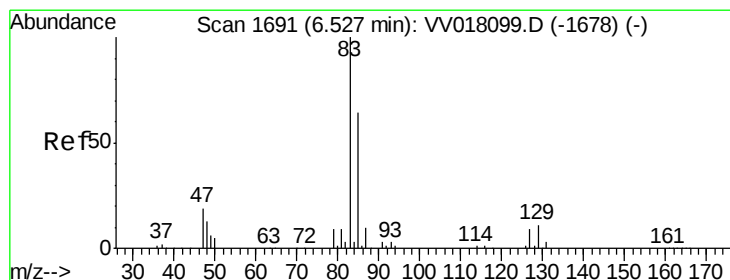
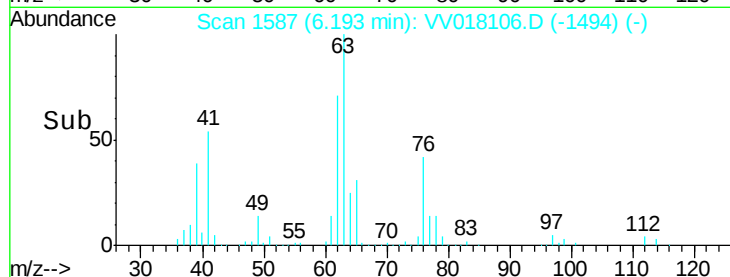
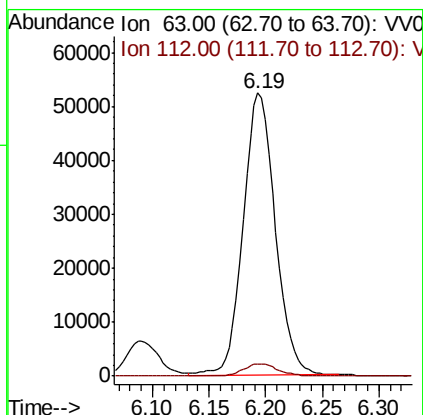
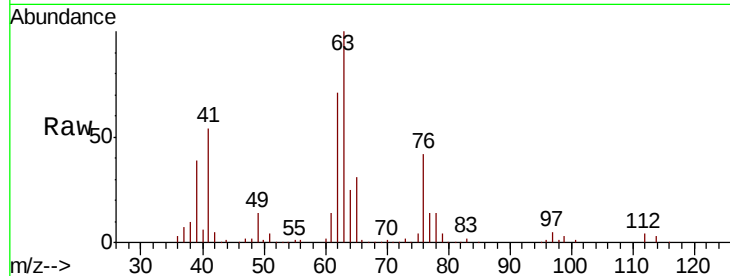




#37
 1,2-Dichloropropane
 Concen: 43.686 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

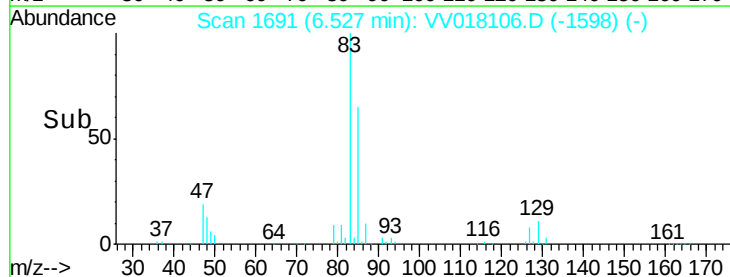
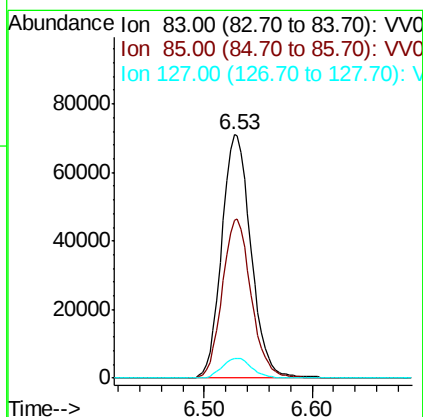
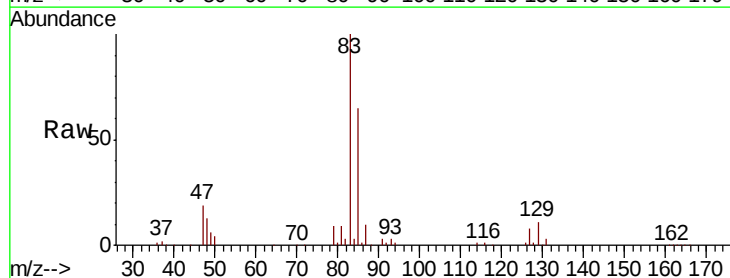
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

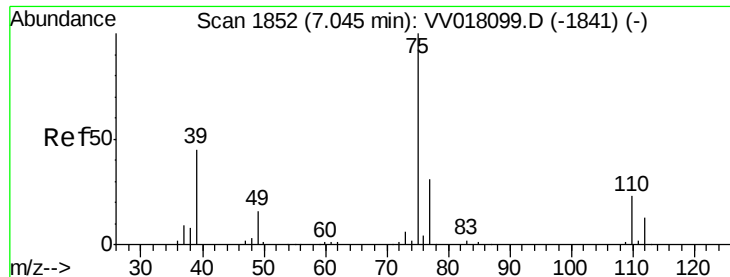
Tot Ion: 63 Resp: 103381
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#38
 Bromodichloromethane
 Concen: 45.729 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

Tgt Ion: 83 Resp: 134416
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.3 82.3
 127 8.2 6.5 9.7

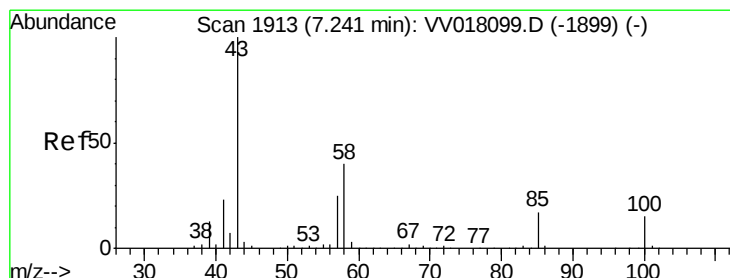
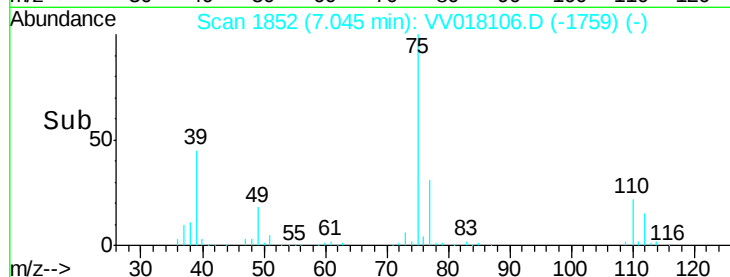
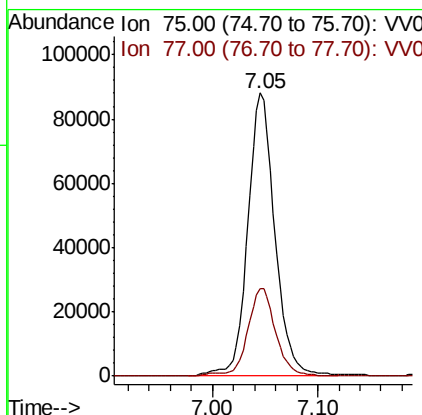
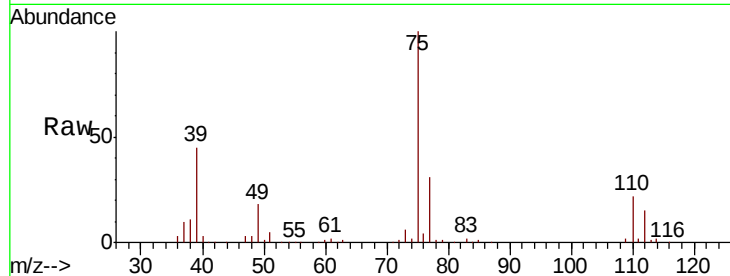




#39
 cis-1,3-Dichloropropene
 Concen: 47.181 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

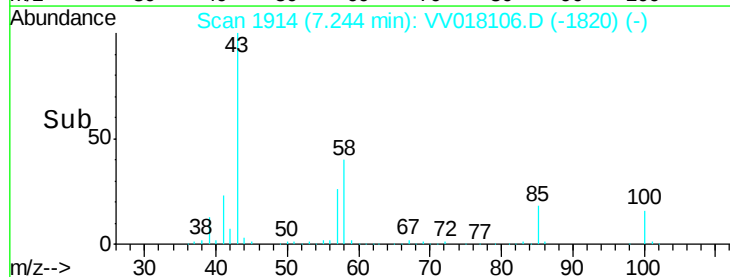
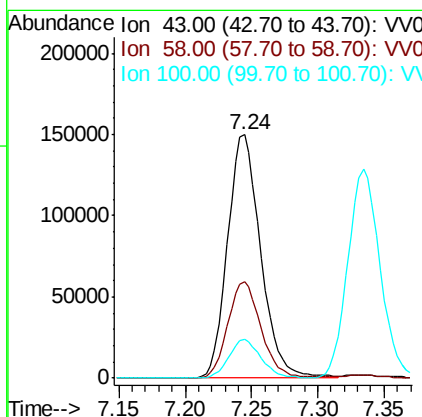
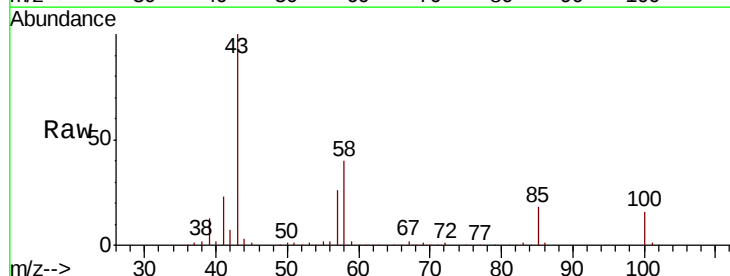
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

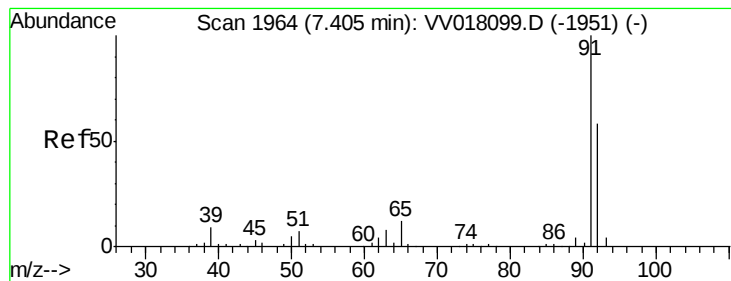
Tot Ion: 75 Resp: 158281
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 84.116 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

Tgt Ion: 43 Resp: 260220
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9
 100 15.5 12.2 18.2





#42

Toluene

Concen: 44.536 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

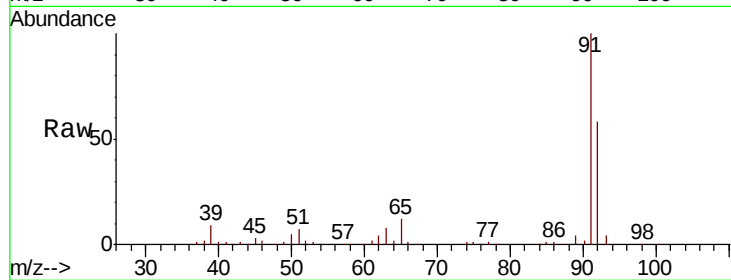
VSTD05087

Tot Ion: 91 Resp: 403271

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

150000

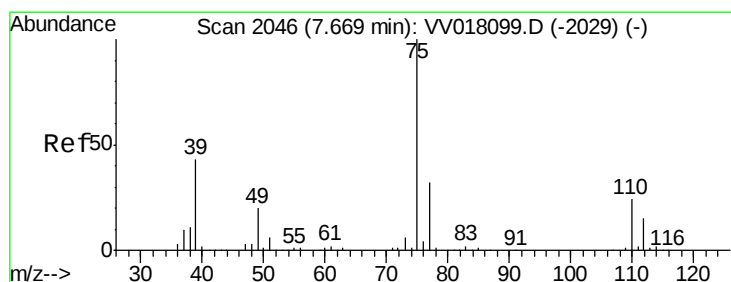
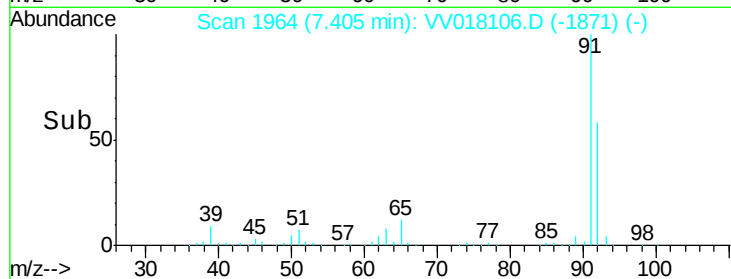
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.357 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018106.D

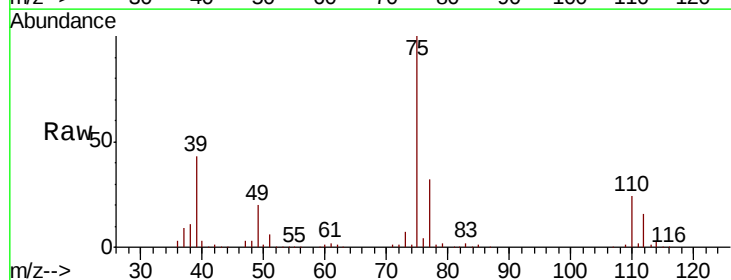
Acq: 27 Aug 2020 10:29

Tgt Ion: 75 Resp: 153921

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

60000

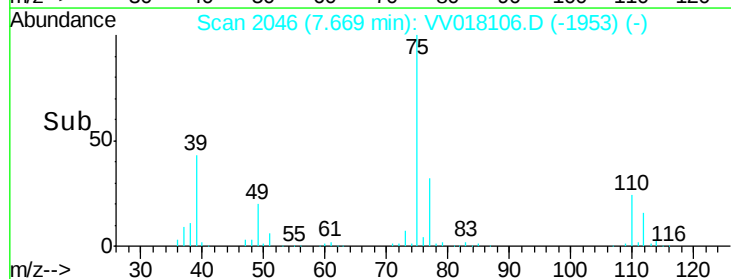
40000

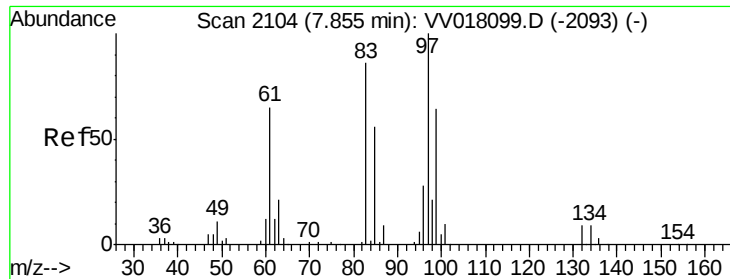
20000

0

7.60 7.65 7.70 7.75

Time-->

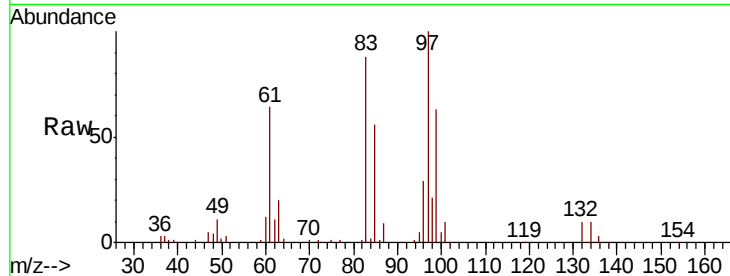




#45
 1,1,2-Trichloroethane
 Concen: 43.998 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

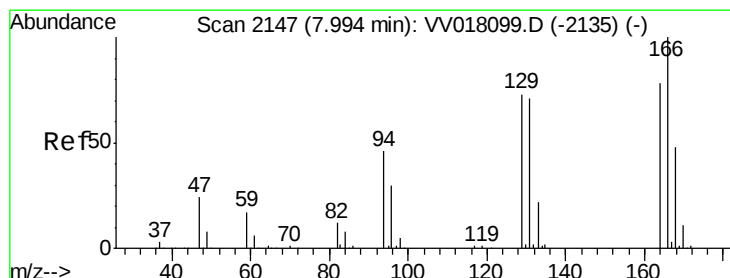
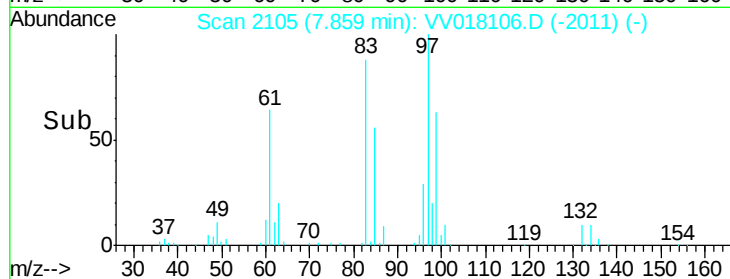
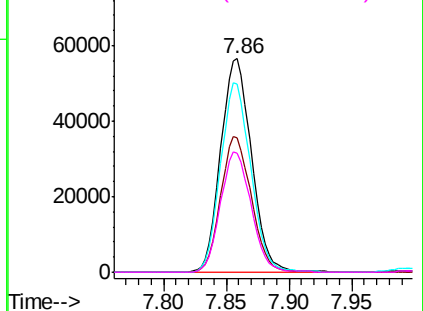
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tot Ion:	97	Resp:	96424
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.2	82.2
83	87.9	61.0	113.4
85	56.0	39.5	73.4



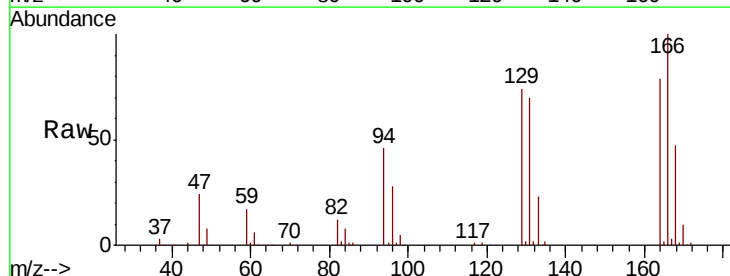
Abundance

Ion 97.00 (96.70 to 97.70): VV018106.D (-2111) (-)



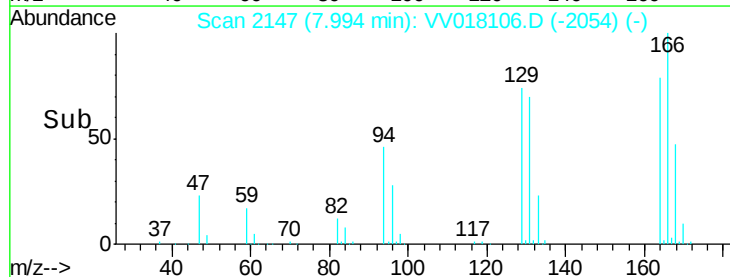
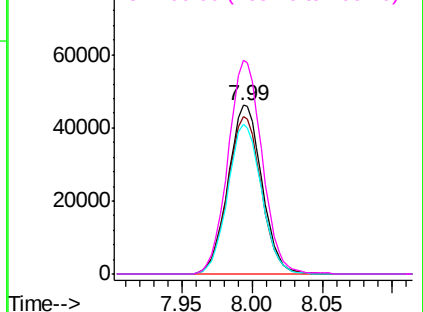
#46
 Tetrachloroethene
 Concen: 46.091 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

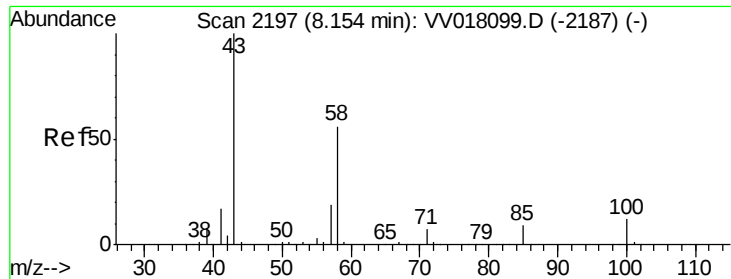
Tgt Ion:	164	Resp:	77535
Ion	Ratio	Lower	Upper
164	100		
129	93.2	64.8	120.3
131	88.9	64.5	119.9
166	126.6	88.9	165.1



Abundance

Ion 164.00 (163.70 to 164.70): VV018106.D (-2054) (-)

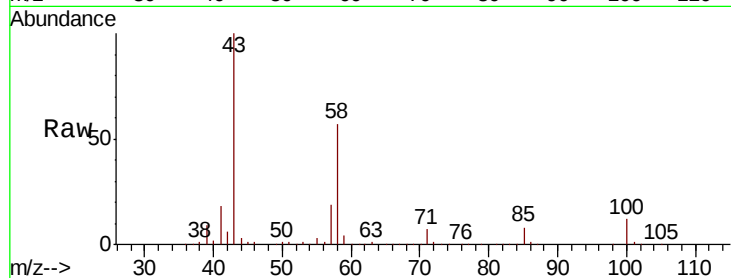




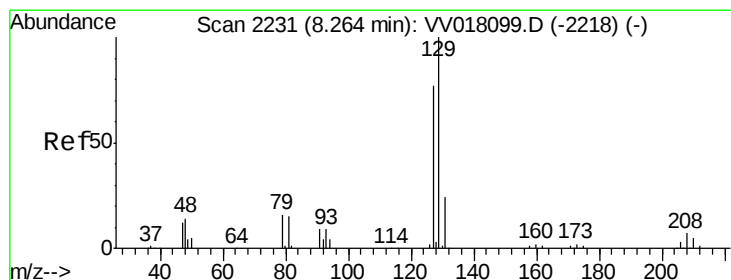
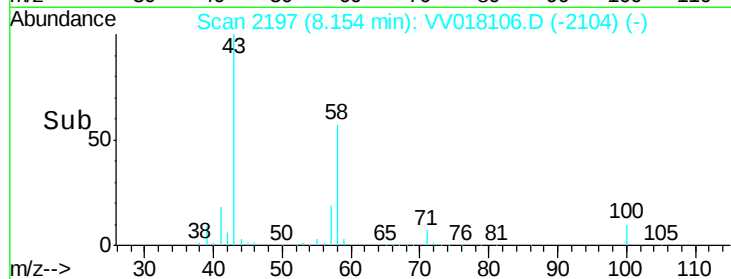
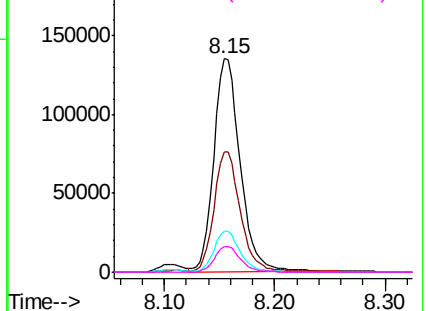
#48
2-Hexanone
Concen: 89.759 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018106.D
Acq: 27 Aug 2020 10:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion:	43	Resp:	223914
Ion	Ratio	Lower	Upper
43	100		
58	56.2	44.4	66.6
57	19.0	15.2	22.8
100	12.1	9.8	14.6

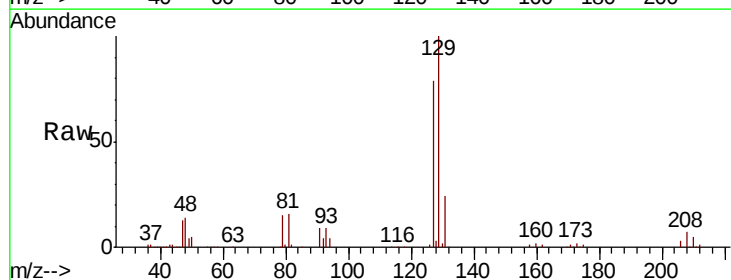


Abundance Ion 43.00 (42.70 to 43.70): VV018106.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV018106.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV018106.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV018106.D (-2104) (-)

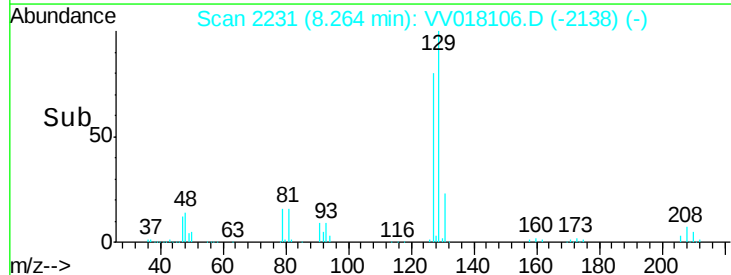
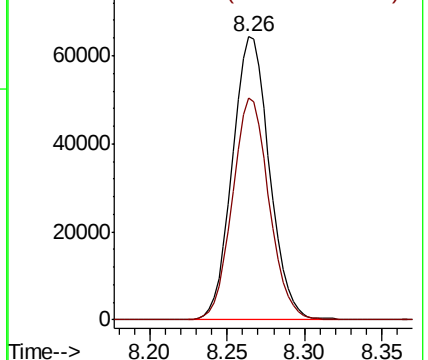


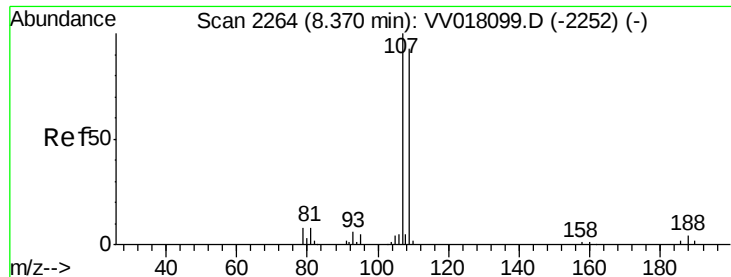
#49
Dibromochloromethane
Concen: 50.081 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018106.D
Acq: 27 Aug 2020 10:29

Tgt Ion:	129	Resp:	107129
Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.9	101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018106.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV018106.D (-2138) (-)

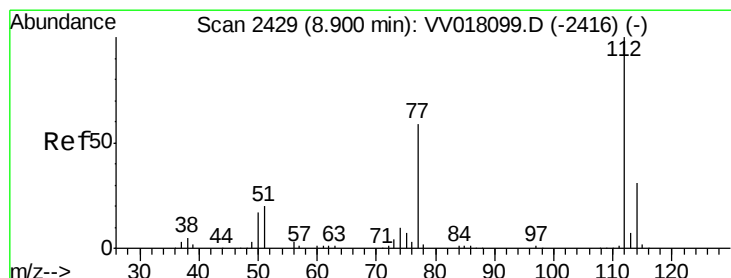
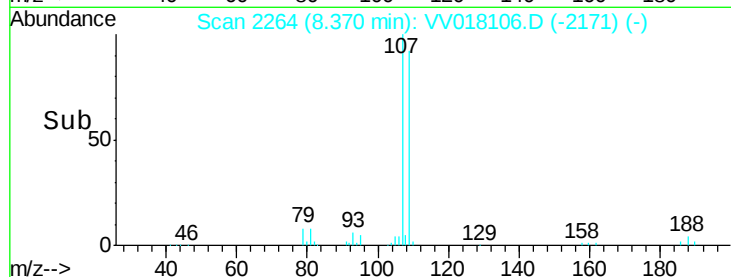
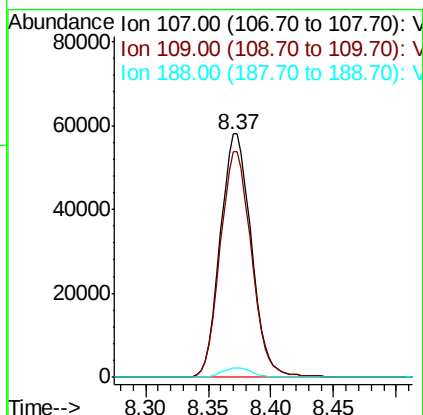
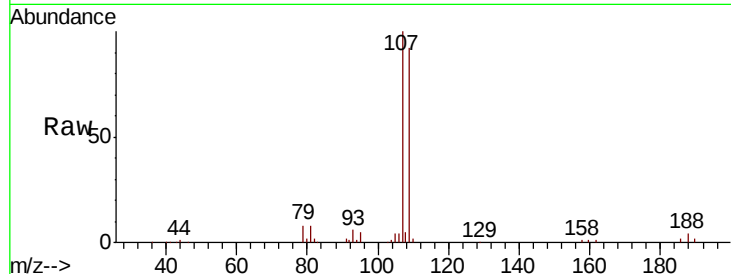




#50
 1,2-Dibromoethane
 Concen: 44.055 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

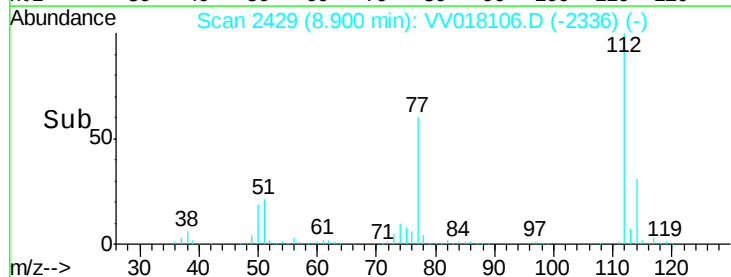
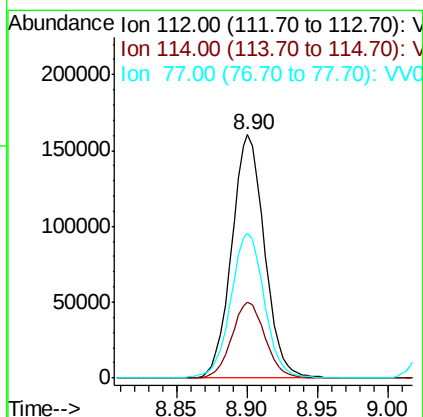
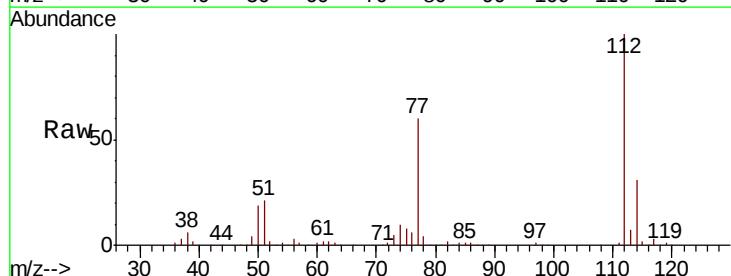
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

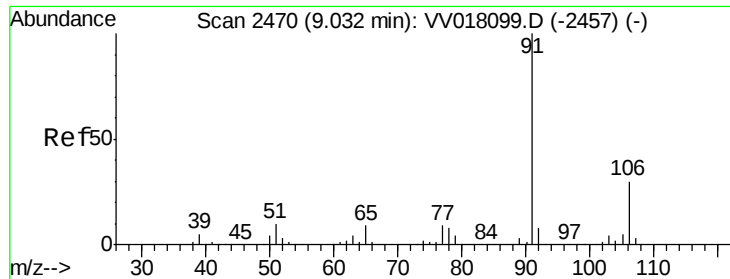
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	67.5	125.4
188	3.9	3.4	5.0



#51
 Chlorobenzene
 Concen: 44.989 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.7	42.3
77	59.8	49.4	74.2





#52

Ethylbenzene

Concen: 45.017 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

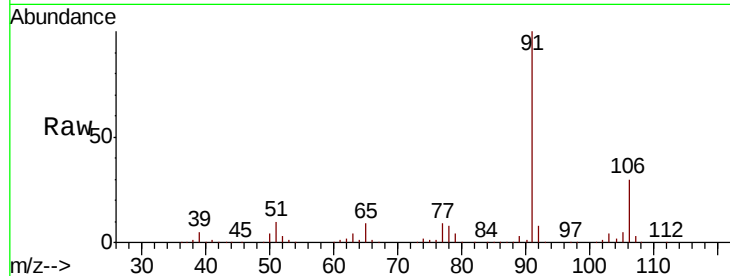
VSTD05087

Tot Ion: 91 Resp: 444450

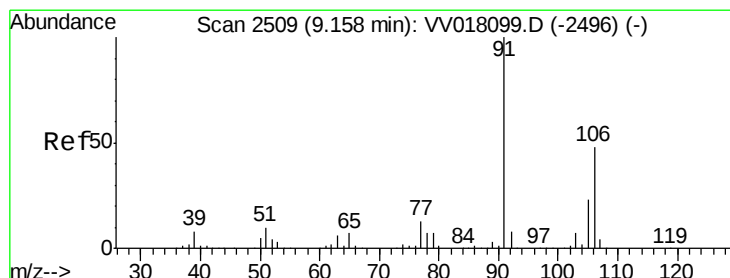
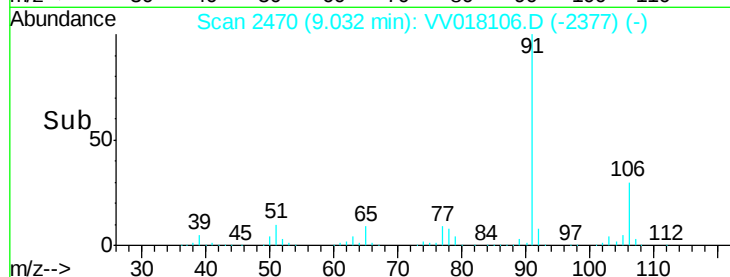
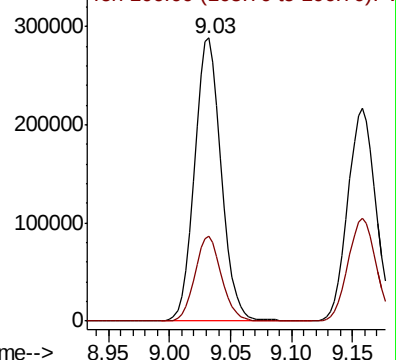
Ion Ratio Lower Upper

91 100

106 30.0 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018106.D (-2377) (-)



#53

m,p-Xylene

Concen: 46.055 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018106.D

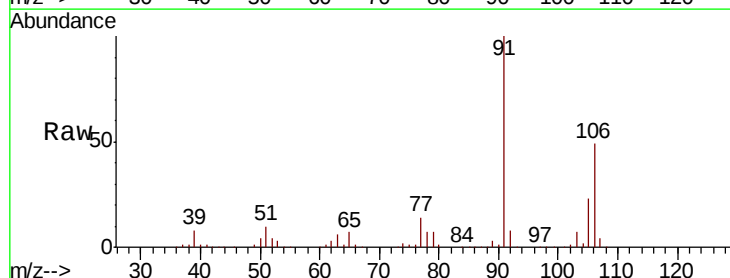
Acq: 27 Aug 2020 10:29

Tgt Ion: 106 Resp: 167237

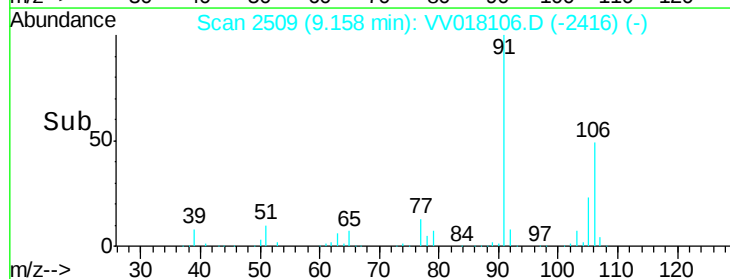
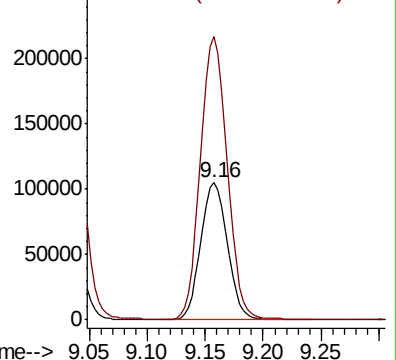
Ion Ratio Lower Upper

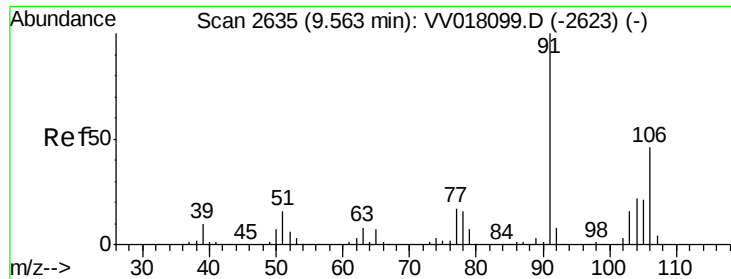
106 100

91 206.1 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018106.D (-2416) (-)





#54

o-xylene

Concen: 45.051 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

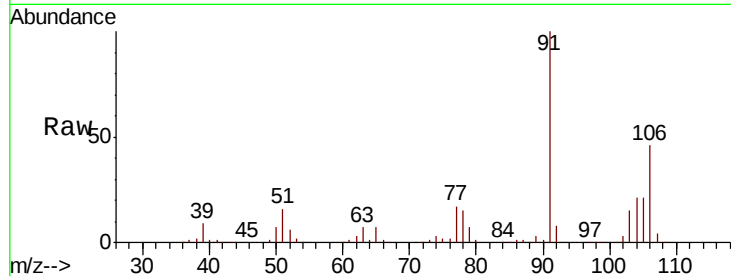
VSTD05087

Tot Ion:106 Resp: 161667

Ion Ratio Lower Upper

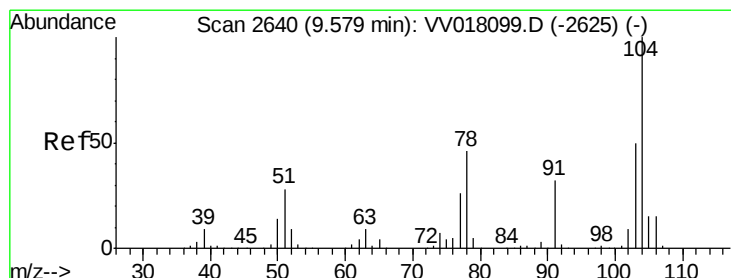
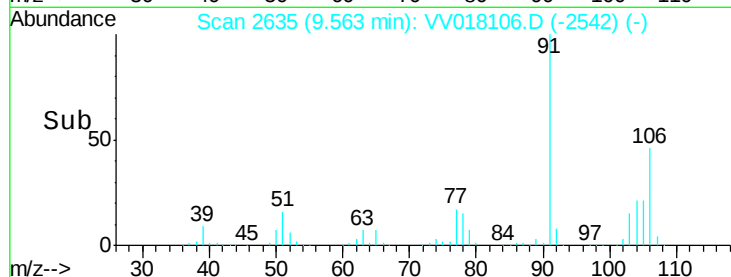
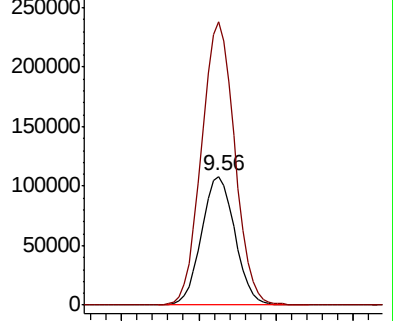
106 100

91 219.7 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 47.624 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018106.D

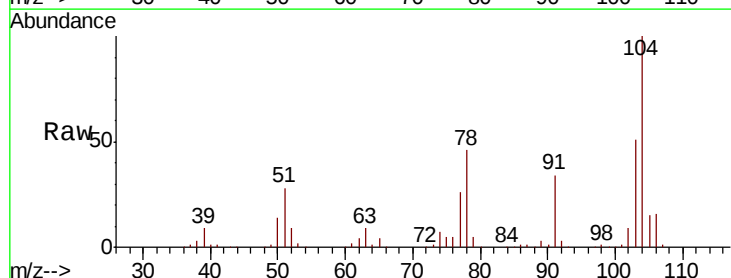
Acq: 27 Aug 2020 10:29

Tgt Ion:104 Resp: 292664

Ion Ratio Lower Upper

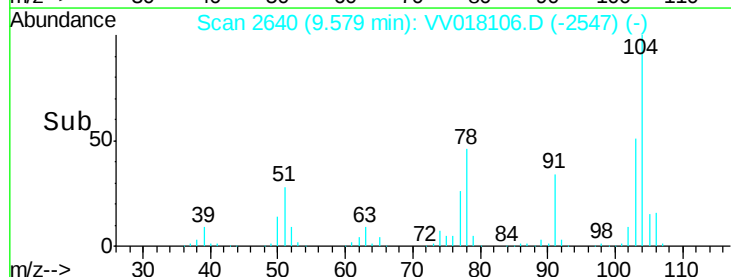
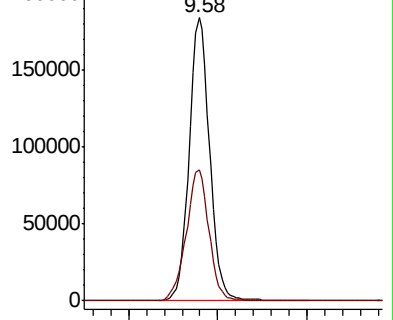
104 100

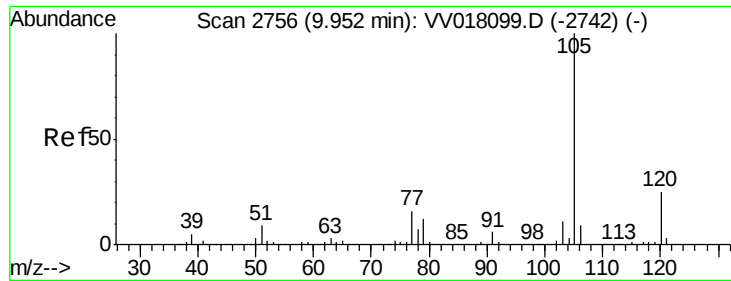
78 46.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 46.377 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

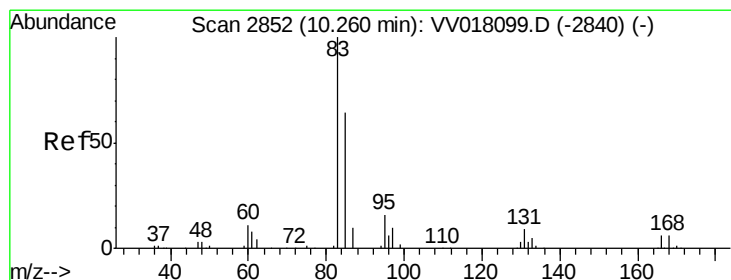
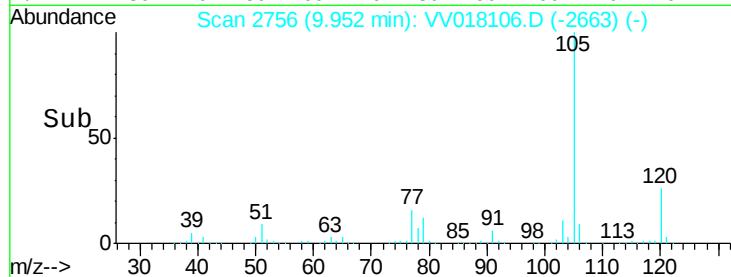
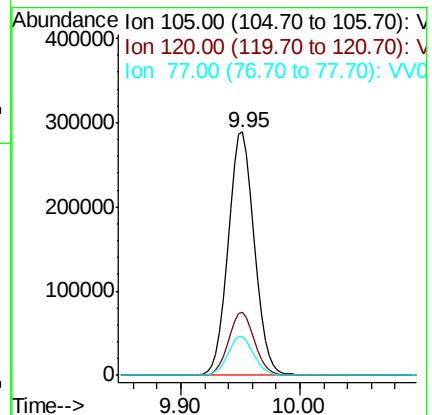
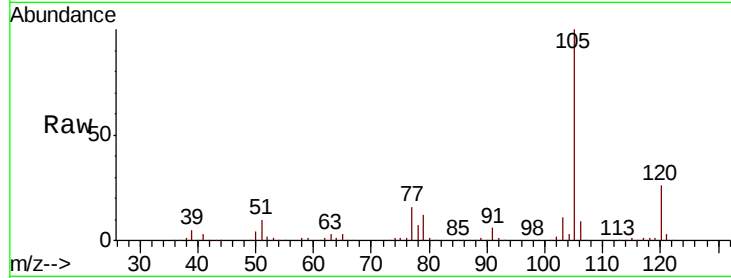
Tot Ion:105 Resp: 439044

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 15.8 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 42.482 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

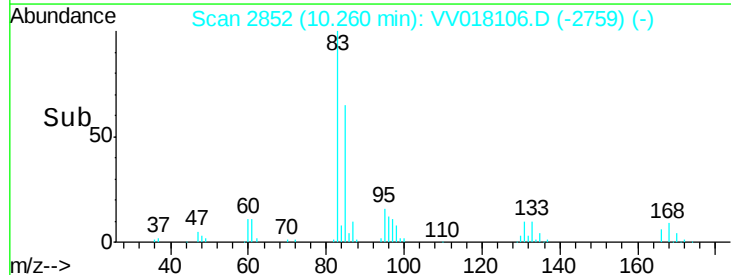
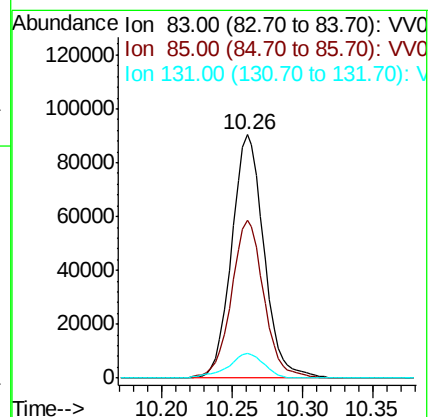
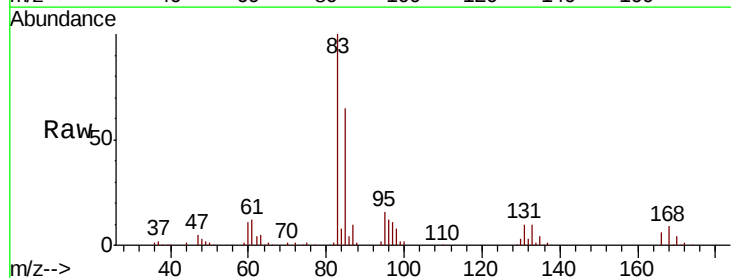
Tgt Ion: 83 Resp: 144977

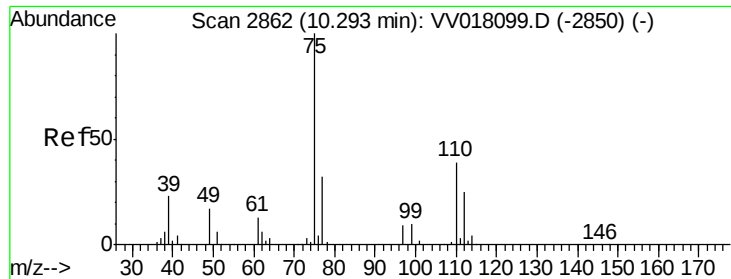
Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.7

131 9.9 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 41.745 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

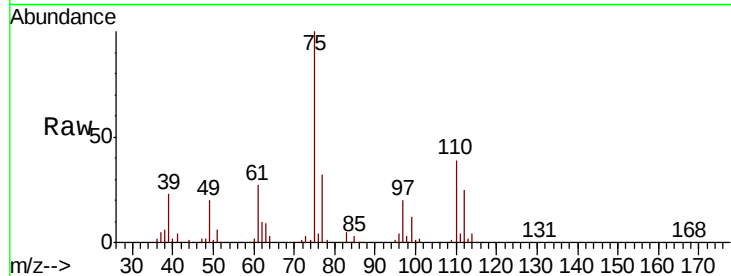
VSTD05087

Tot Ion: 75 Resp: 122003

Ion Ratio Lower Upper

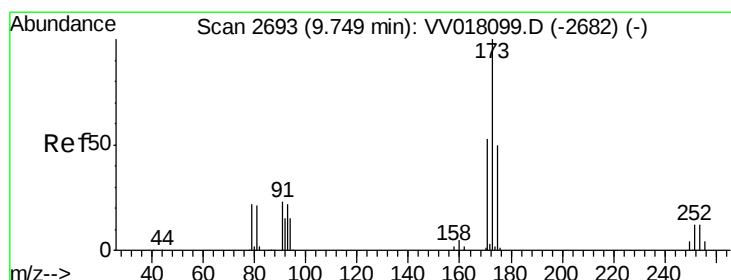
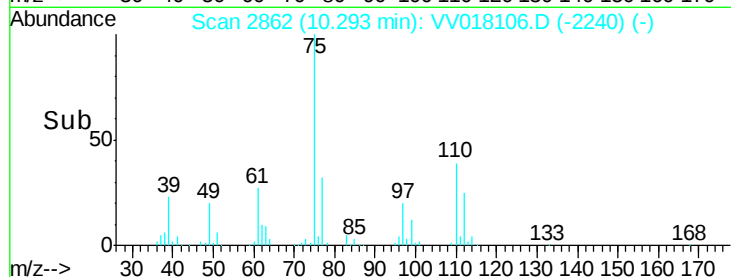
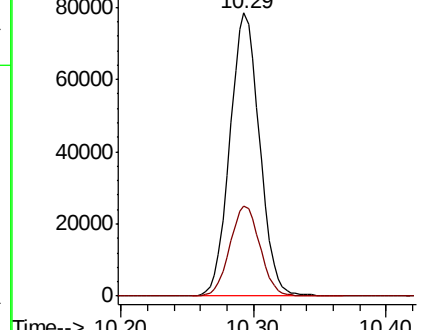
75 100

77 32.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV018099.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018099.D (-2850) (-)



#61

Bromoform

Concen: 53.458 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

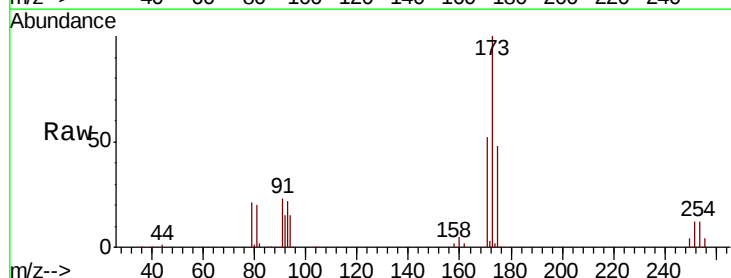
Tgt Ion:173 Resp: 77511

Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

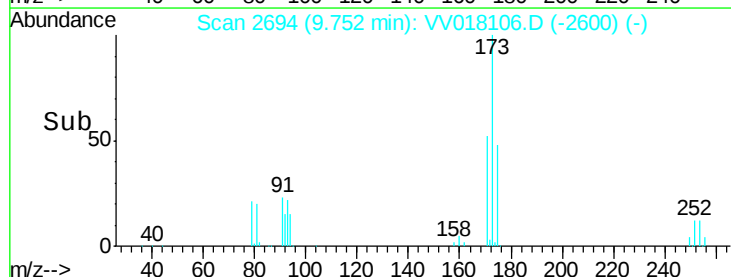
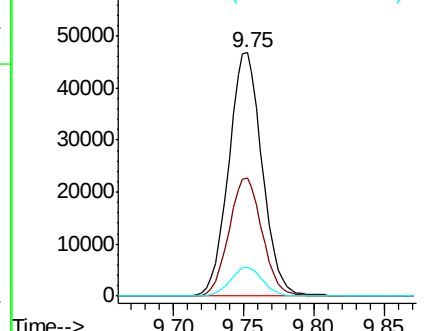
254 11.4 8.4 12.6

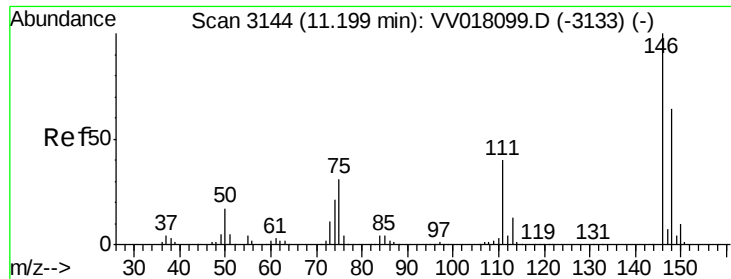


Abundance Ion 173.00 (172.70 to 173.70): VV018099.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018099.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018099.D (-2682) (-)

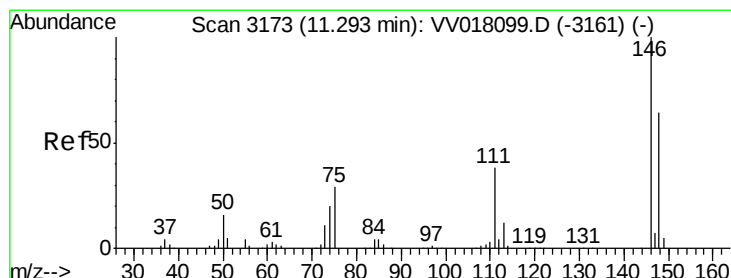
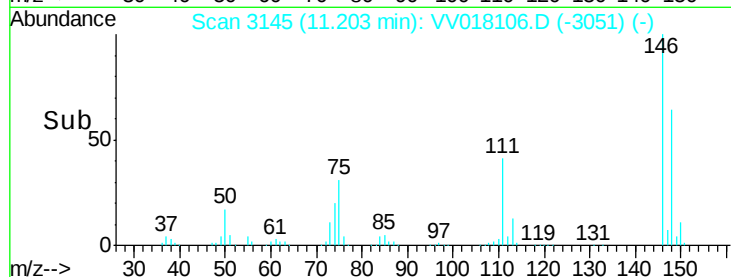
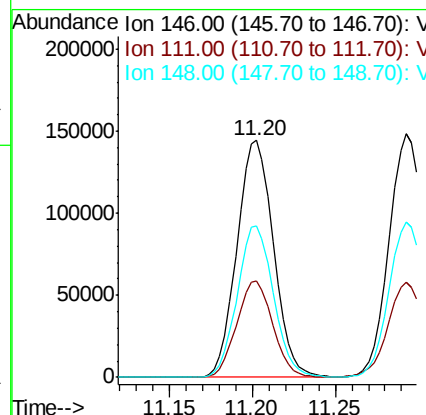
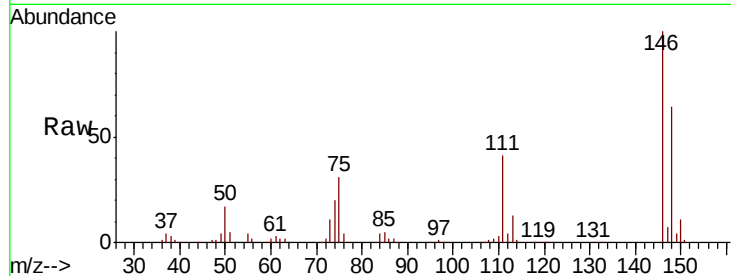




#62
 1,3-Dichlorobenzene
 Concen: 45.449 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

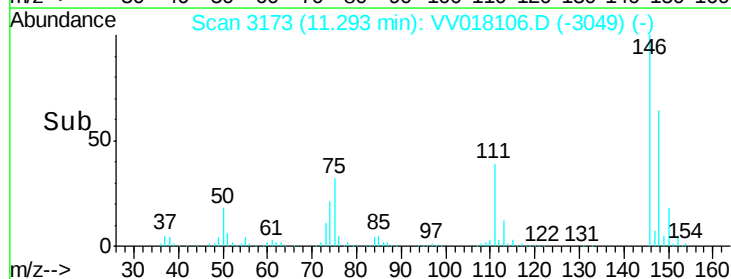
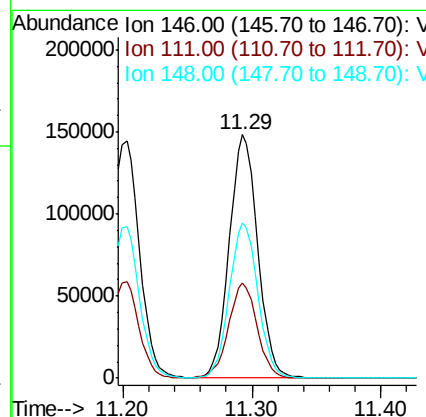
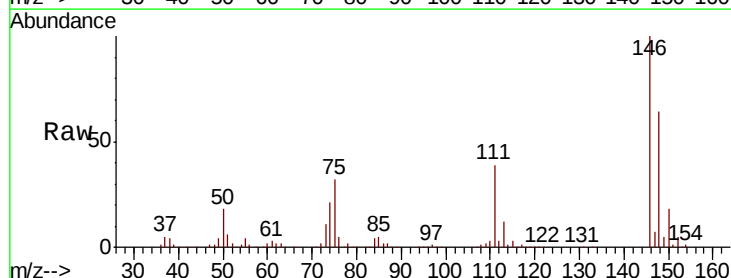
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

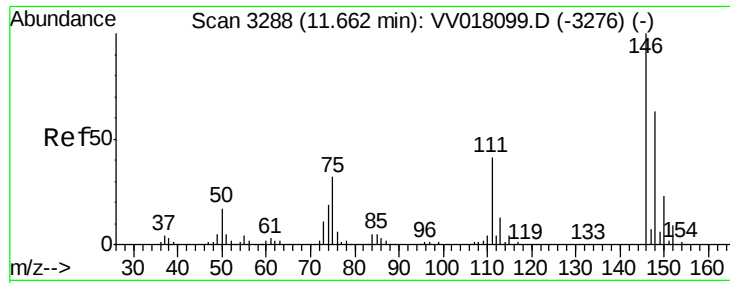
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.8	53.4
148	64.1	44.9	83.5



#63
 1,4-Dichlorobenzene
 Concen: 45.157 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	28.0	52.0
148	63.8	44.2	82.2





#65

1,2-Dichlorobenzene

Concen: 44.110 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

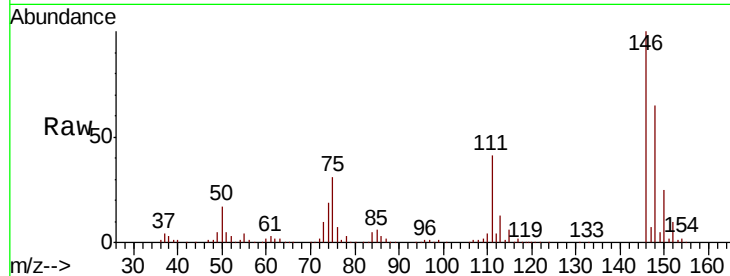
Tot Ion:146 Resp: 221237

Ion Ratio Lower Upper

146 100

111 41.3 34.2 51.4

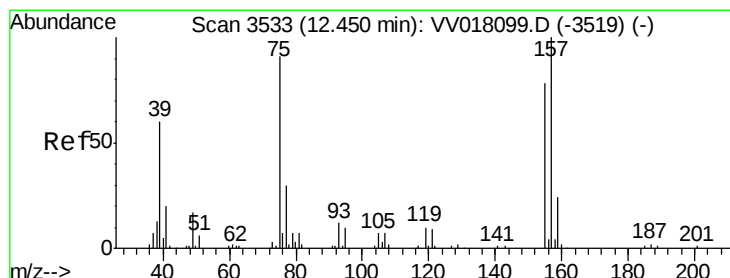
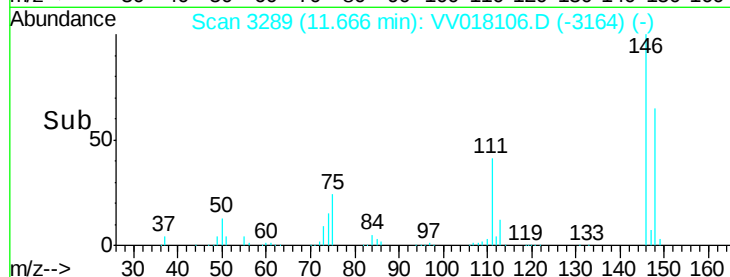
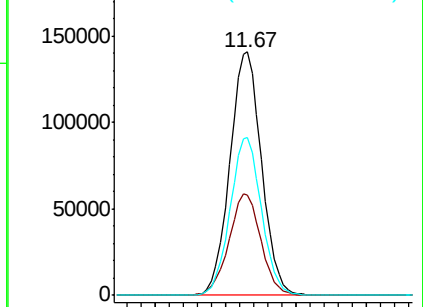
148 64.9 50.6 76.0



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: 41.161 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

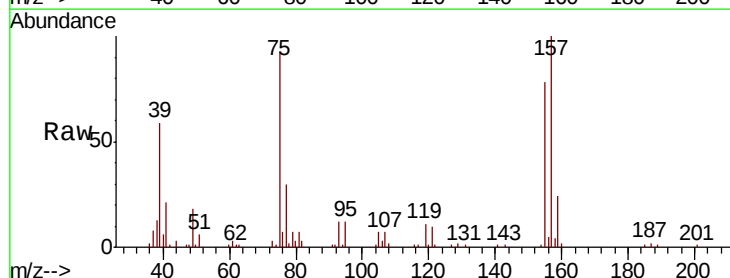
Tgt Ion: 75 Resp: 30417

Ion Ratio Lower Upper

75 100

155 84.0 67.6 101.4

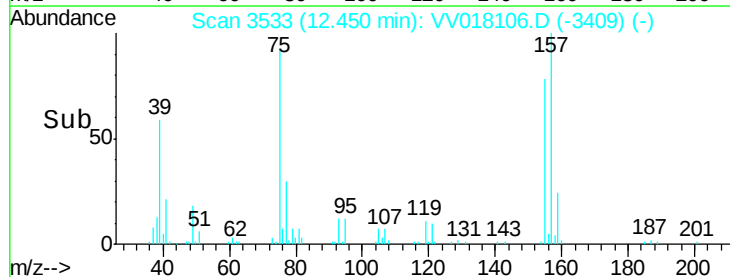
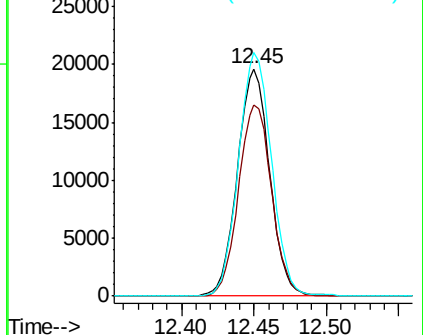
157 107.2 84.3 126.5

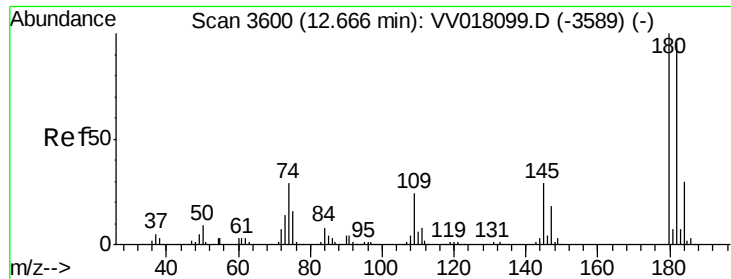


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

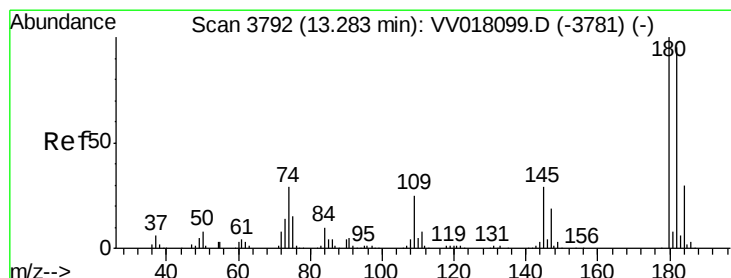
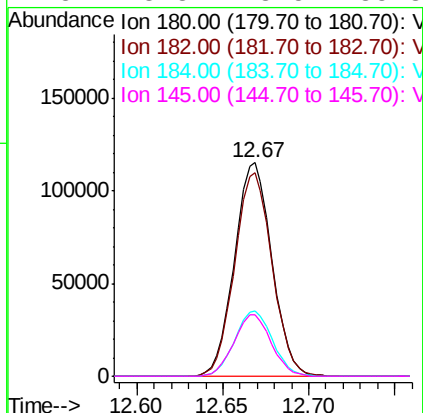
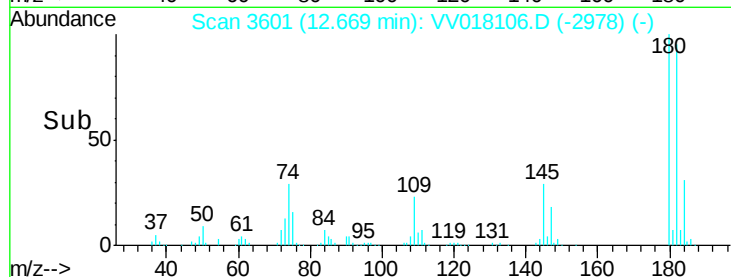
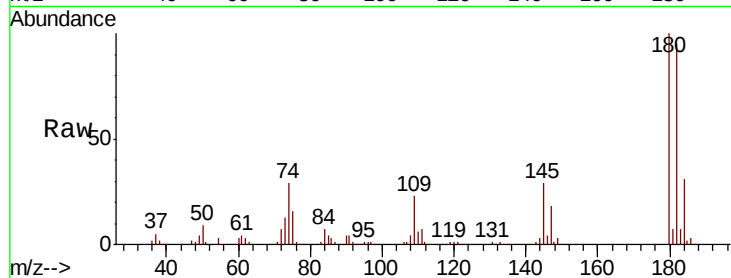




#67
 1,3,5-Trichlorobenzene
 Concen: 46.884 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

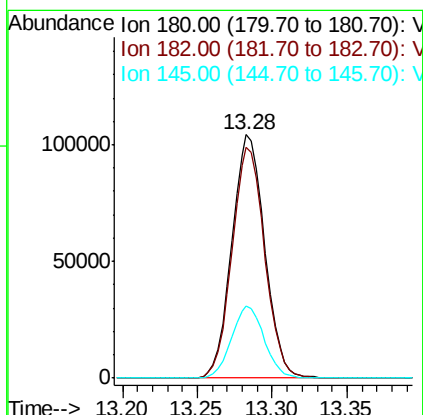
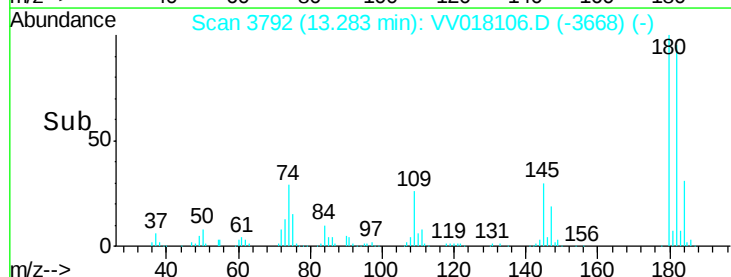
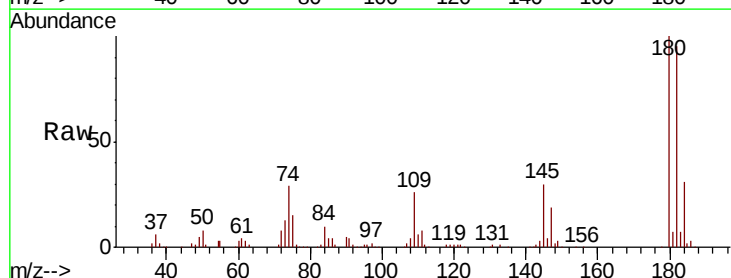
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

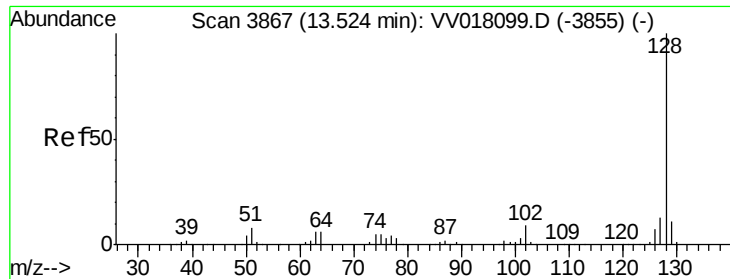
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.2	115.8
184	30.8	24.6	36.8
145	28.8	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 48.943 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018106.D
 Acq: 27 Aug 2020 10:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.4	114.6
145	29.5	24.0	36.0





#69

Naphthalene

Concen: 45.346 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

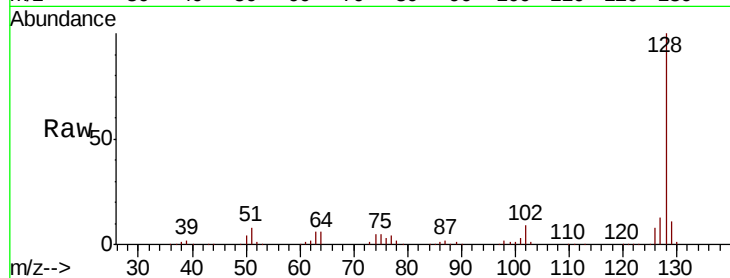
Tot Ion:128 Resp: 406767

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

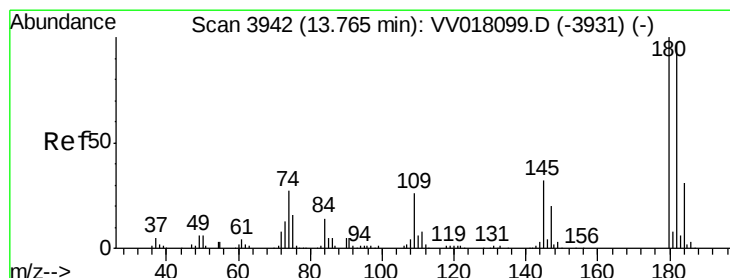
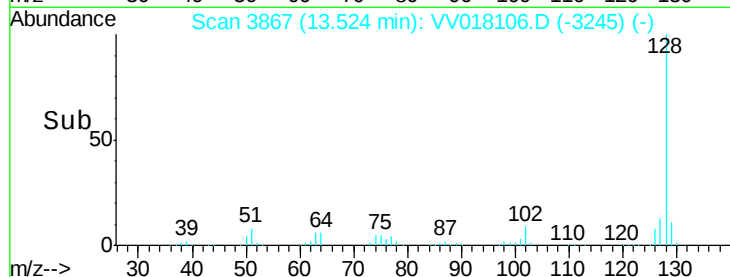
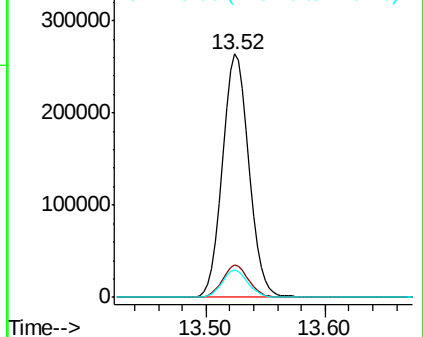
129 11.0 8.7 13.1



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: 48.273 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018106.D

Acq: 27 Aug 2020 10:29

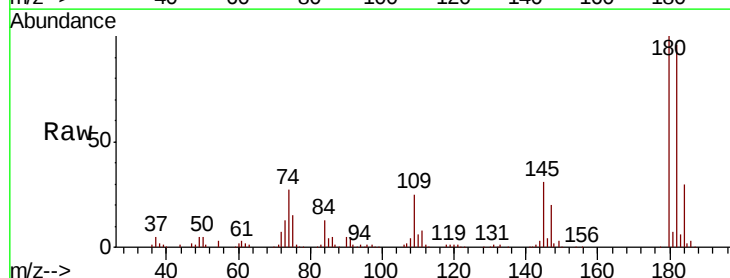
Tgt Ion:180 Resp: 159768

Ion Ratio Lower Upper

180 100

182 95.1 76.5 114.7

145 31.1 26.0 39.0



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

