

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
 Data File : VV017849.D
 Acq On : 08 Aug 2020 12:17
 Operator : SY/MD
 Sample : VSTD05064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Quant Time: Aug 10 02:00:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 01:57:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	267748	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	255310	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	146006	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	68266	51.63	ug/L	0.00
7) Chloroethane-d5	1.58	69	56849	50.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	162748	51.52	ug/L	0.00
21) 2-Butanone-d5	3.91	46	85339	89.83	ug/L	0.00
24) Chloroform-d	4.37	84	178591	50.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	132277	50.81	ug/L	0.00
32) Benzene-d6	5.07	84	295972	49.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	74172	45.95	ug/L	0.00
41) Toluene-d8	7.33	98	300889	51.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	50838	47.05	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	56449	82.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	116390	46.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	147469	51.33	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	107053	41.519	ug/L 100
3) Chloromethane	1.25	50	65373	38.307	ug/L 100
5) Vinyl chloride	1.32	62	76391	41.713	ug/L 100
6) Bromomethane	1.53	94	50788	45.503	ug/L 100
8) Chloroethane	1.60	64	48352	43.076	ug/L 100
9) Trichlorofluoromethane	1.76	101	187362	50.168	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	84517	48.997	ug/L 100
12) 1,1-Dichloroethene	2.13	96	75460	47.293	ug/L 100
13) Acetone	2.20	43	99751	83.413	ug/L 100
14) Carbon disulfide	2.31	76	183942	38.933	ug/L 100
15) Methyl Acetate	2.45	43	60803	39.234	ug/L 100
16) Methylene chloride	2.52	84	81319	43.793	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	76628	43.237	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	275112	46.941	ug/L 100
19) 1,1-Dichloroethane	3.21	63	132376	43.046	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	86705	45.493	ug/L 100
22) 2-Butanone	4.00	43	94408	86.133	ug/L 100
23) Bromochloromethane	4.27	128	51633	47.464	ug/L 100
25) Chloroform	4.40	83	169264	46.690	ug/L 100
27) 1,2-Dichloroethane	5.15	62	150646	47.152	ug/L 100
29) Cyclohexane	4.70	56	101916	41.332	ug/L 100
30) 1,1,1-Trichloroethane	4.63	97	177536	48.453	ug/L 100
31) Carbon tetrachloride	4.85	117	158385	47.711	ug/L 100
33) Benzene	5.12	78	303261	45.055	ug/L 100
34) Trichloroethene	5.94	95	91779	47.257	ug/L 100
35) Methylcyclohexane	6.15	83	133387	47.140	ug/L 100
37) 1,2-Dichloropropane	6.20	63	64949	42.524	ug/L 100
38) Bromodichloromethane	6.53	83	122655	44.762	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	119184	42.565	ug/L 100
40) 4-Methyl-2-pentanone	7.24	43	173794	83.728	ug/L 100

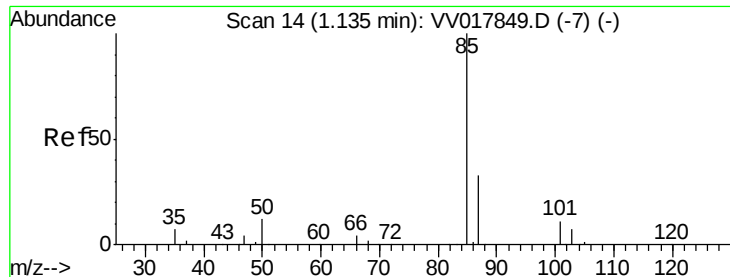
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
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 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 01:57:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	353413	47.016	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	128896	44.807	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	80579	45.503	ug/L	100
46) Tetrachloroethene	8.00	164	88044	50.413	ug/L	100
48) 2-Hexanone	8.16	43	141580	84.760	ug/L	100
49) Dibromochloromethane	8.27	129	94699	41.904	ug/L	100
50) 1,2-Dibromoethane	8.37	107	90481	46.667	ug/L	100
51) Chlorobenzene	8.90	112	246076	47.285	ug/L	100
52) Ethylbenzene	9.03	91	416286	48.025	ug/L	100
53) m,p-Xylene	9.16	106	159412	47.991	ug/L	100
54) o-xylene	9.56	106	155218	48.309	ug/L	100
55) Styrene	9.58	104	266825	47.824	ug/L	100
56) Isopropylbenzene	9.95	105	432723	49.046	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	109706	43.009	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	99437	44.117	ug/L	100
61) Bromoform	9.75	173	61178	36.248	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	226798	48.920	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	227659	48.485	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	222275	48.071	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	29694	41.888	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	185408	51.033	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	168346	53.254	ug/L	100
69) Naphthalene	13.52	128	429443	51.882	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	167902	53.303	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 41.519 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampled :

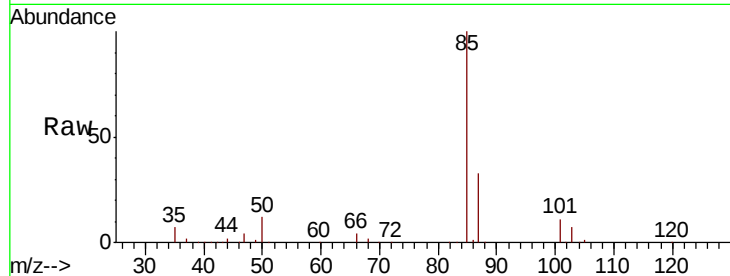
VSTD05064

Tot Ion: 85 Resp: 107053

Ion Ratio Lower Upper

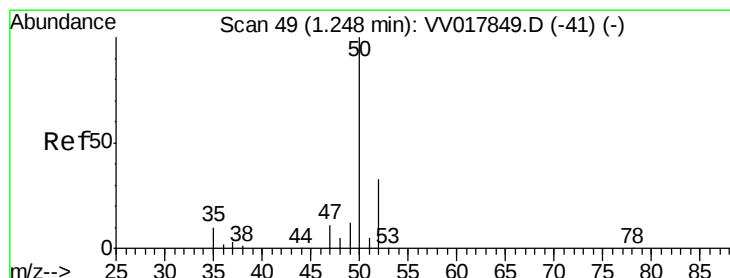
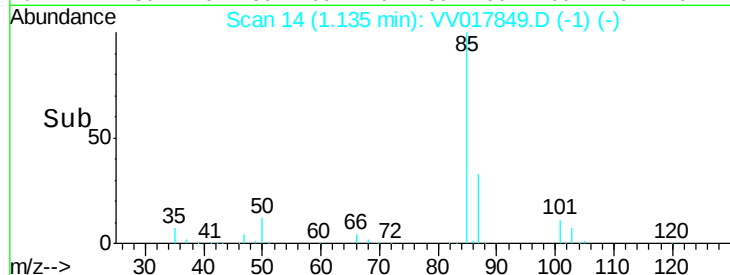
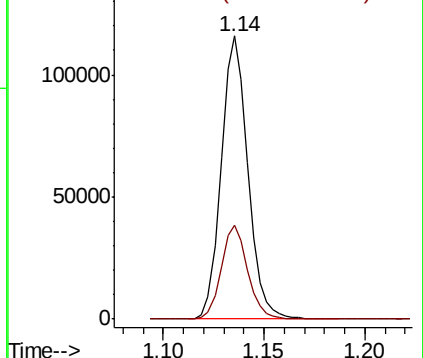
85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 38.307 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017849.D

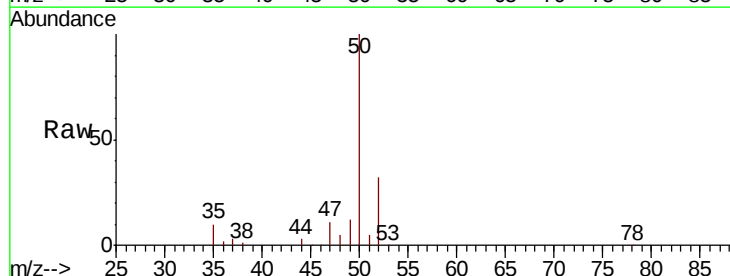
Acq: 08 Aug 2020 12:17

Tgt Ion: 50 Resp: 65373

Ion Ratio Lower Upper

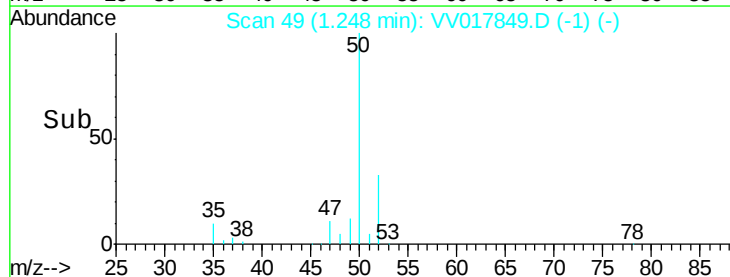
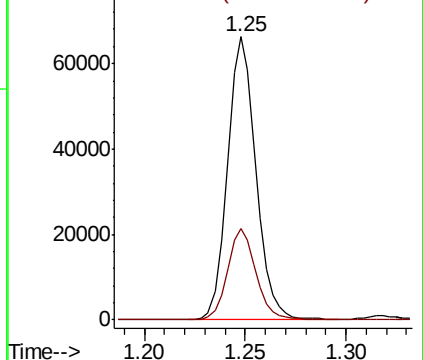
50 100

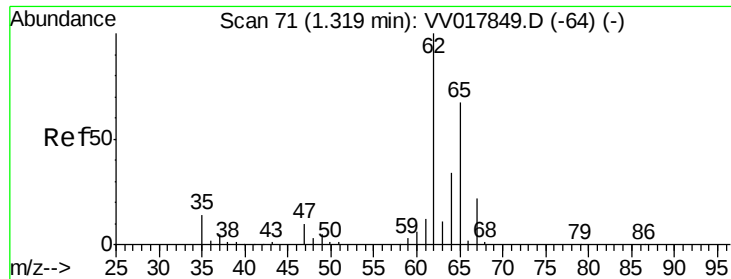
52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 41.713 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

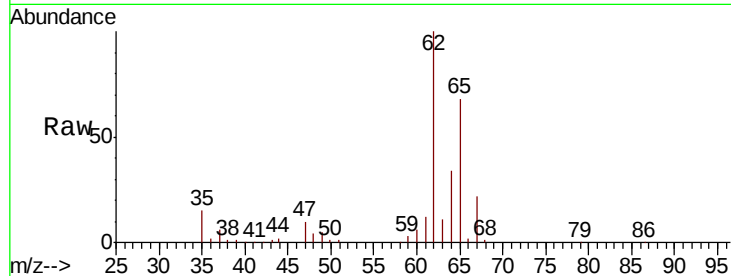
VSTD05064

Tot Ion: 62 Resp: 76391

Ion Ratio Lower Upper

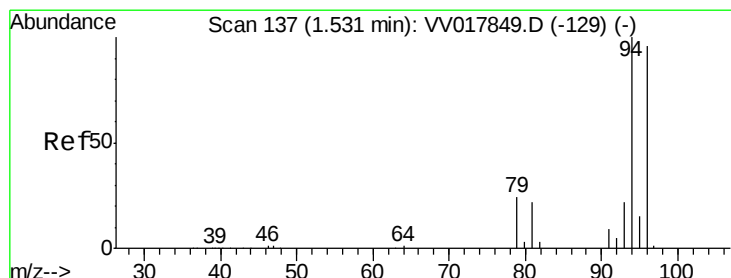
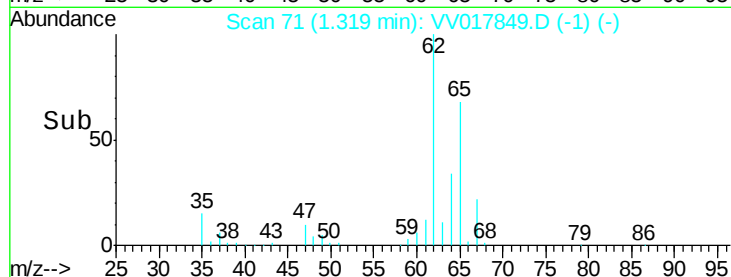
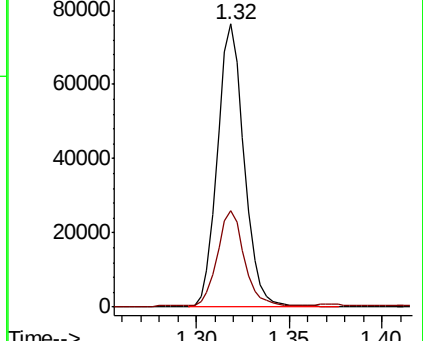
62 100

64 34.3 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.503 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017849.D

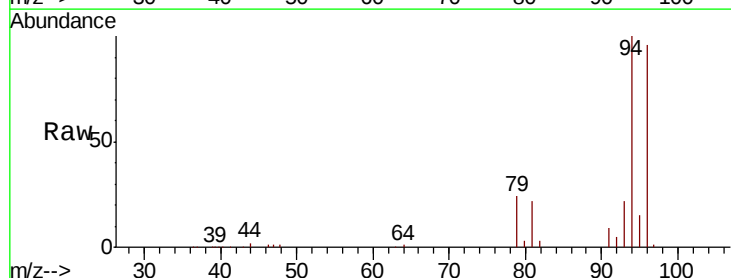
Acq: 08 Aug 2020 12:17

Tgt Ion: 94 Resp: 50788

Ion Ratio Lower Upper

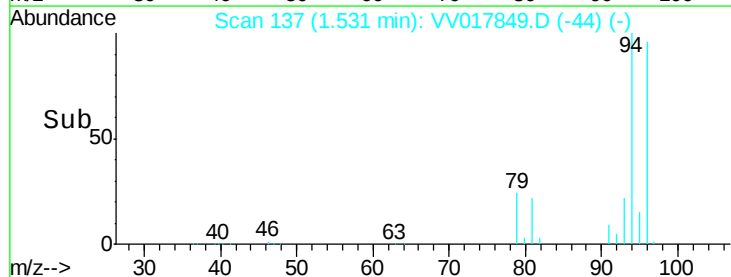
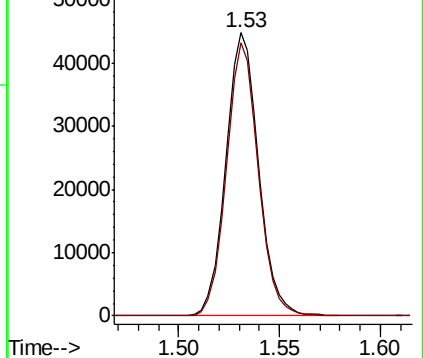
94 100

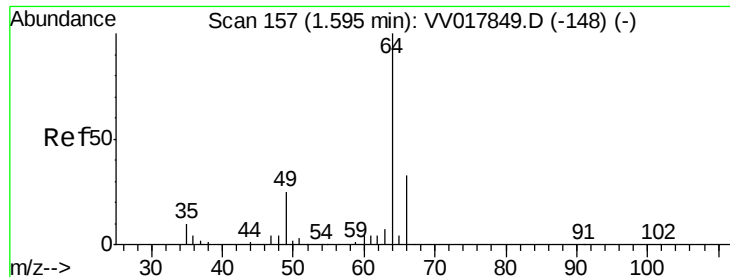
96 96.4 67.5 125.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 43.076 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

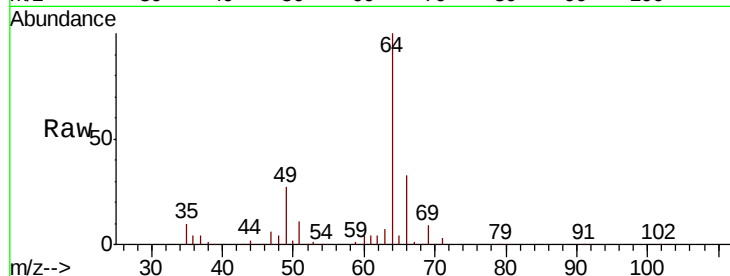
VSTD05064

Tot Ion: 64 Resp: 48352

Ion Ratio Lower Upper

64 100

66 33.0 23.1 42.9

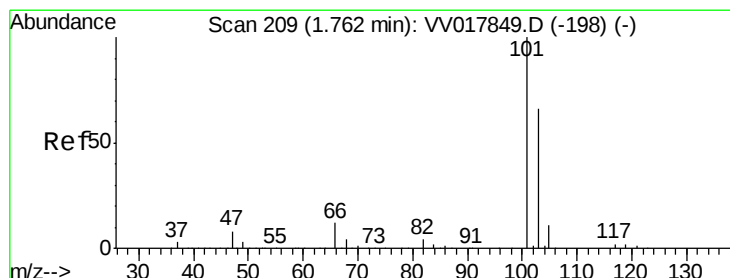
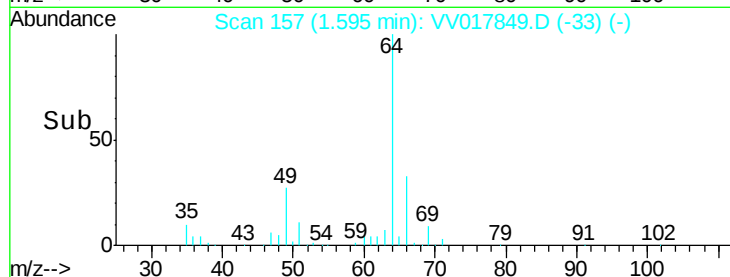


Abundance Ion 64.00 (63.70 to 64.70): VV017849.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV017849.D (-148) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 50.168 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017849.D

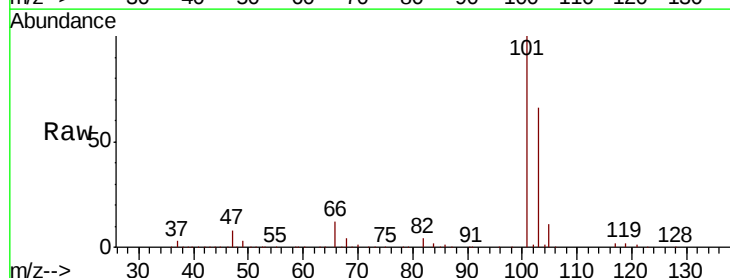
Acq: 08 Aug 2020 12:17

Tgt Ion: 101 Resp: 187362

Ion Ratio Lower Upper

101 100

103 66.5 53.2 79.8

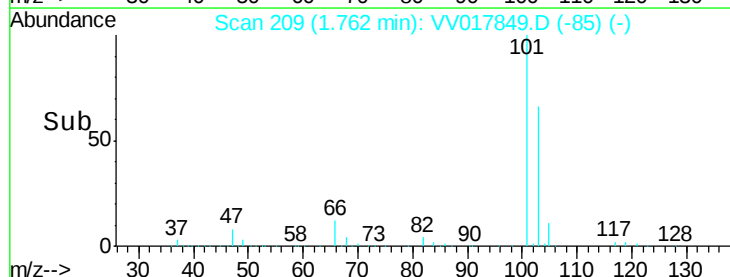


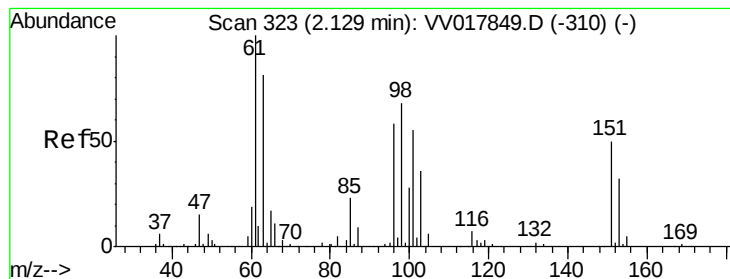
Abundance Ion 101.00 (100.70 to 101.70): VV017849.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017849.D (-198) (-)

1.76

Time-->





#10

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

Concen: 48.997 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

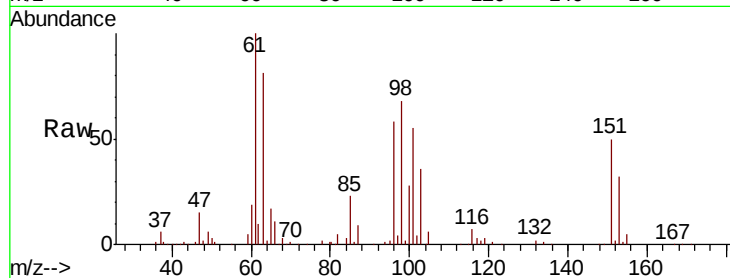
Tot Ion:101 Resp: 84517

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.6

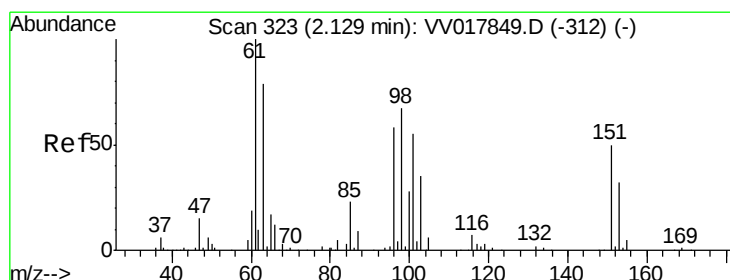
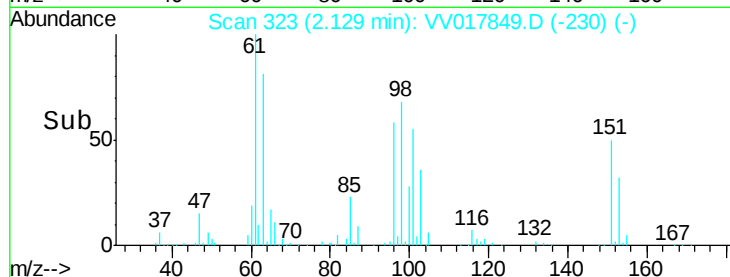
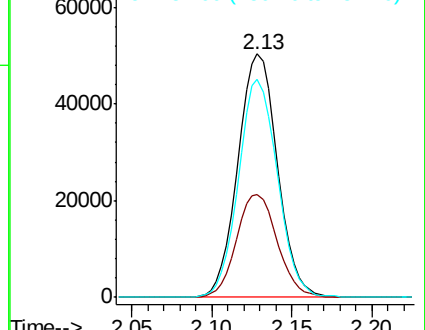
151 88.8 71.0 106.6



Abundance Ion 101.00 (100.70 to 101.70): VV017849.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017849.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017849.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 47.293 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

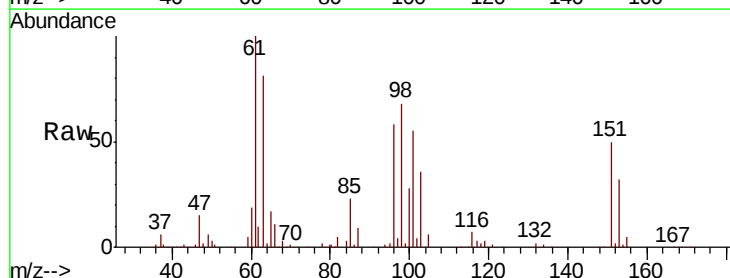
Tgt Ion: 96 Resp: 75460

Ion Ratio Lower Upper

96 100

61 173.0 121.1 224.9

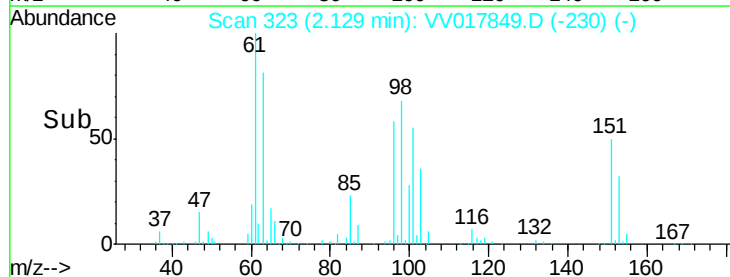
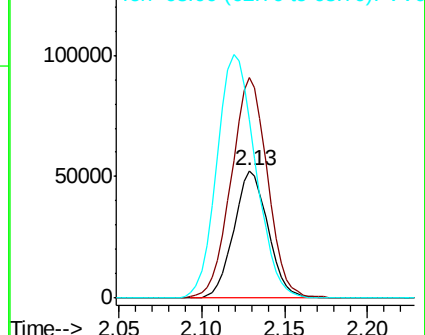
63 140.1 98.1 182.1

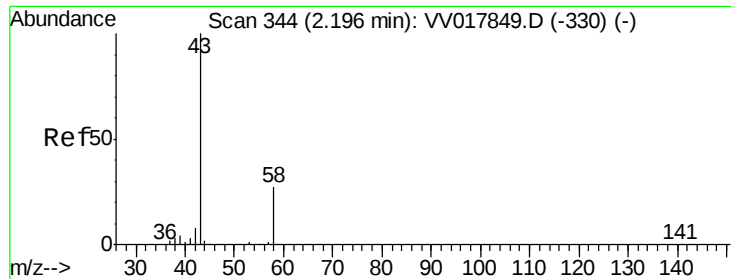


Abundance Ion 96.00 (95.70 to 96.70): VV017849.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV017849.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV017849.D (-312) (-)





#13

Acetone

Concen: 83.413 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

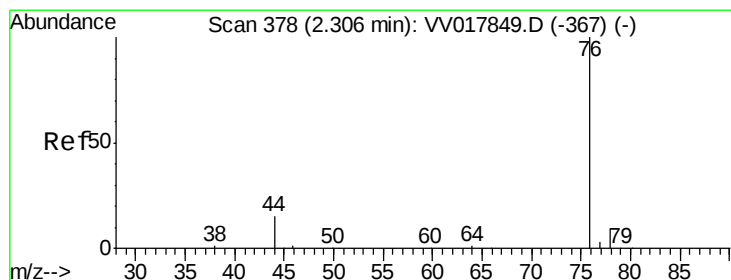
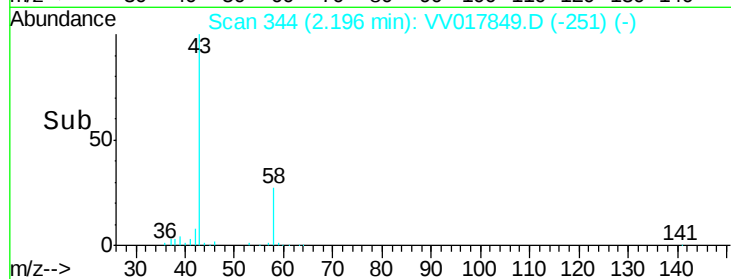
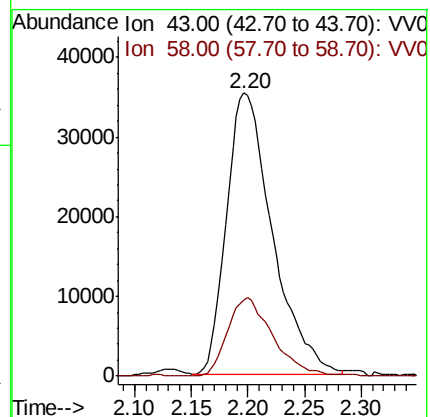
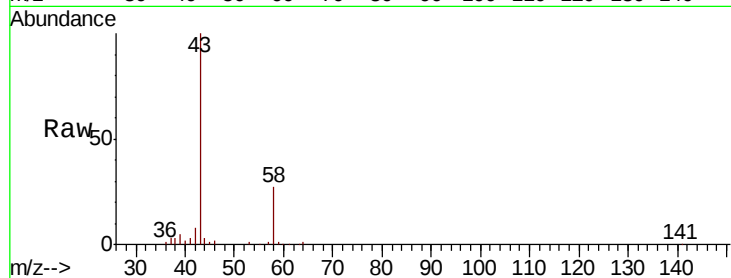
VSTD05064

Tot Ion: 43 Resp: 99751

Ion Ratio Lower Upper

43 100

58 27.4 0.0 54.8



#14

Carbon disulfide

Concen: 38.933 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017849.D

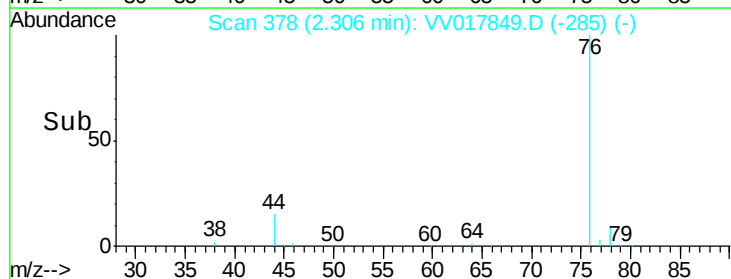
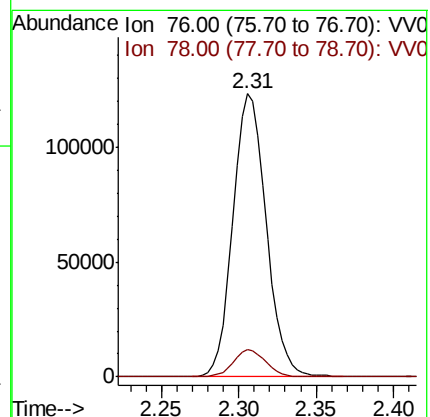
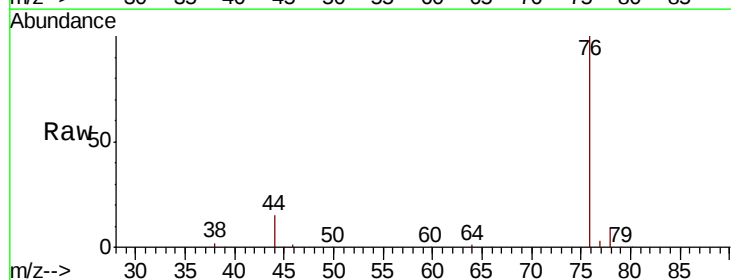
Acq: 08 Aug 2020 12:17

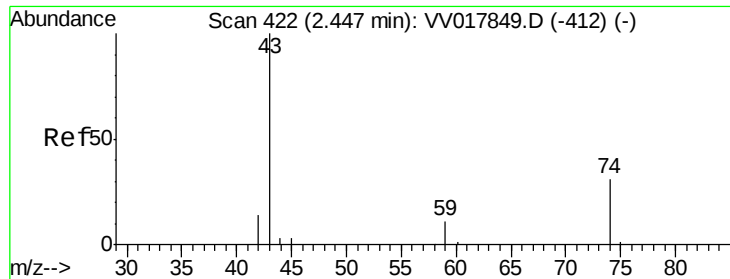
Tgt Ion: 76 Resp: 183942

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

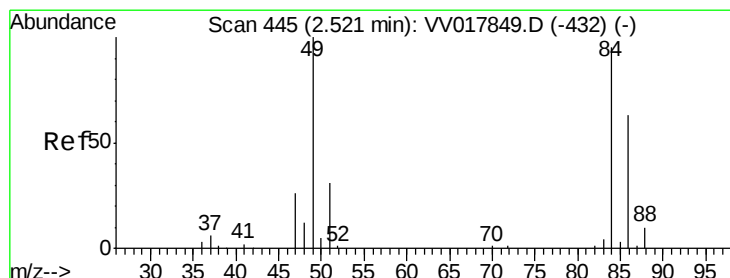
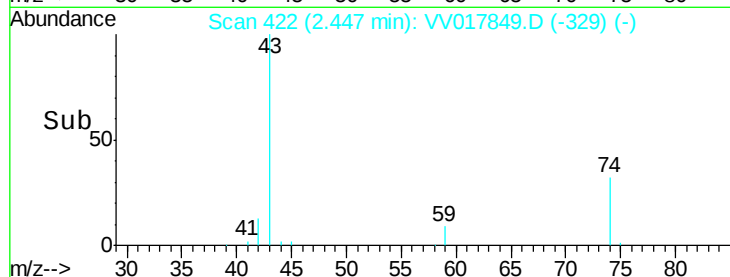
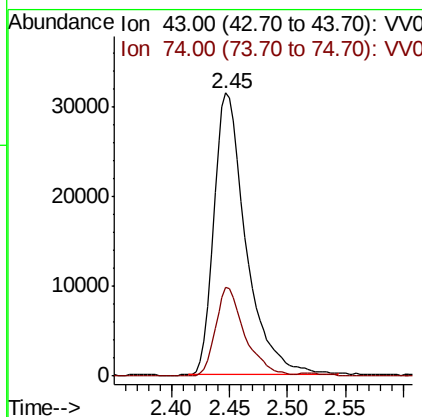
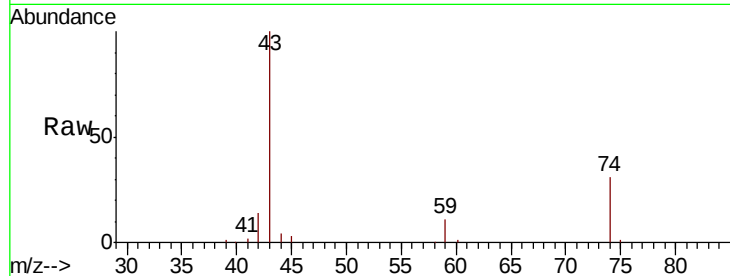




#15
Methvl Acetate
Concen: 39.234 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017849.D
Acq: 08 Aug 2020 12:17

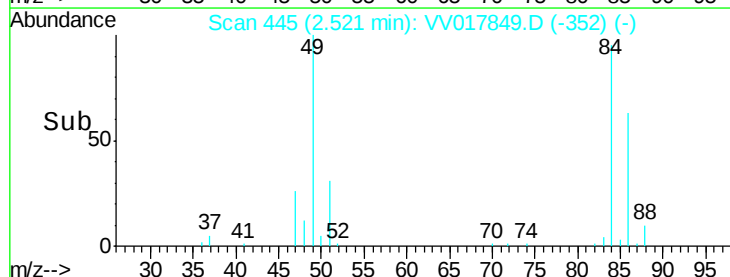
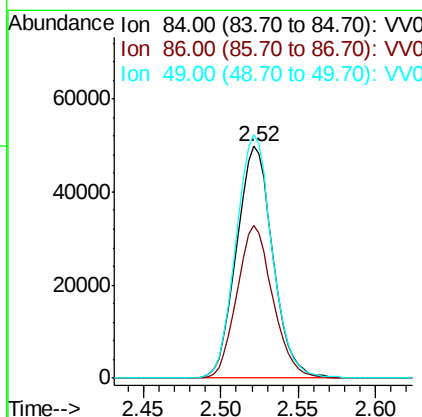
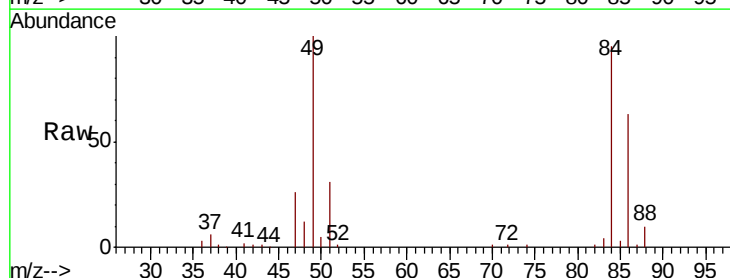
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

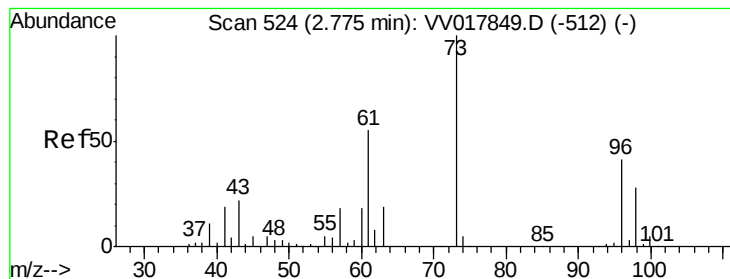
Tot Ion: 43 Resp: 60803
Ion Ratio Lower Upper
43 100
74 28.8 23.0 34.6



#16
Methylene chloride
Concen: 43.793 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017849.D
Acq: 08 Aug 2020 12:17

Tgt Ion: 84 Resp: 81319
Ion Ratio Lower Upper
84 100
86 66.0 46.2 85.8
49 105.1 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 43.237 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

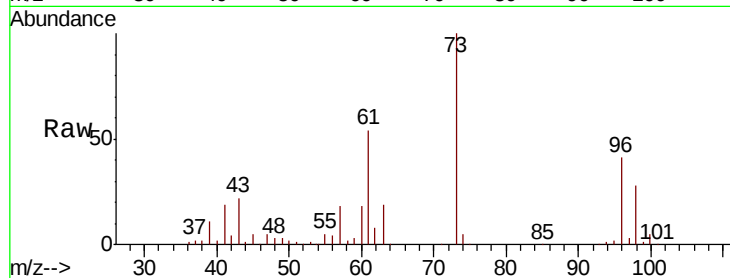
Tot Ion: 96 Resp: 76628

Ion Ratio Lower Upper

96 100

61 132.0 92.4 171.6

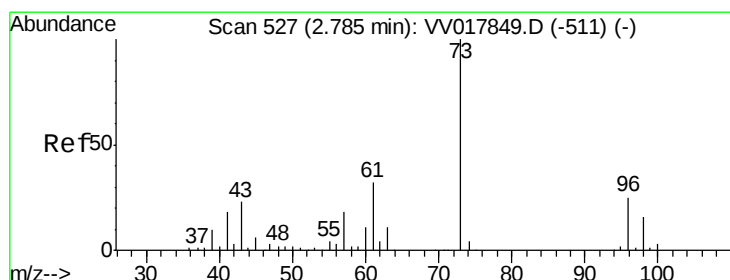
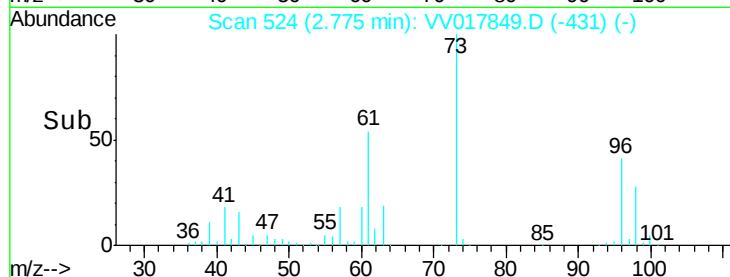
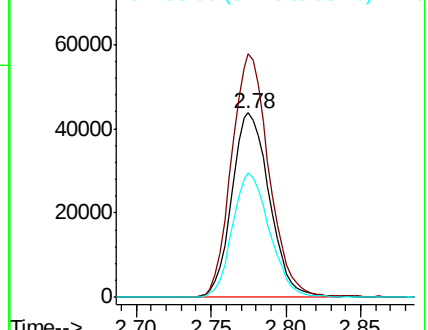
98 67.8 47.5 88.1



Abundance Ion 96.00 (95.70 to 96.70): VV017849.D (-512) (-)

Ion 61.00 (60.70 to 61.70): VV017849.D (-512) (-)

Ion 98.00 (97.70 to 98.70): VV017849.D (-512) (-)



#18

Methyl tert-butyl Ether

Concen: 46.941 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

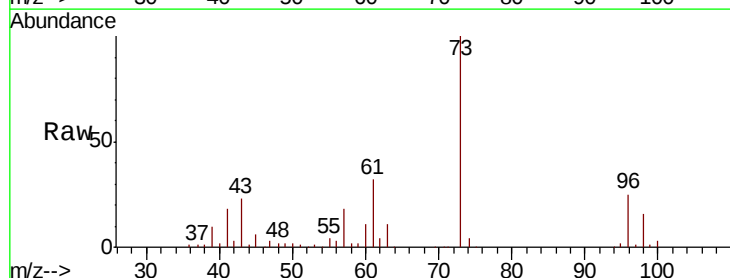
Tgt Ion: 73 Resp: 275112

Ion Ratio Lower Upper

73 100

43 22.6 18.1 27.1

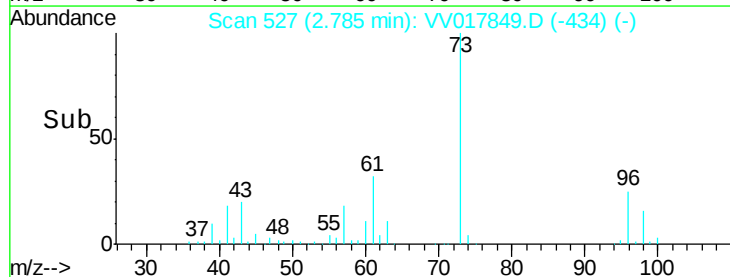
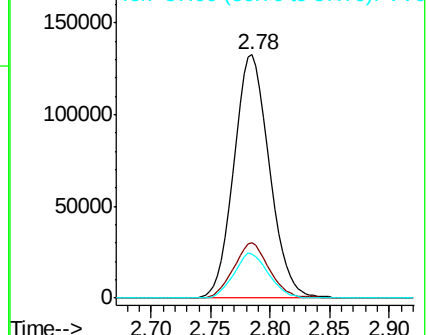
57 18.1 14.5 21.7

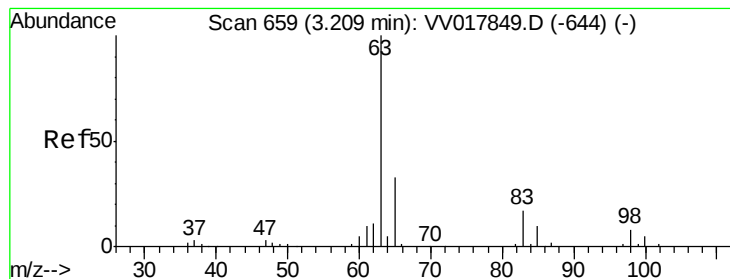


Abundance Ion 73.00 (72.70 to 73.70): VV017849.D (-511) (-)

Ion 43.00 (42.70 to 43.70): VV017849.D (-511) (-)

Ion 57.00 (56.70 to 57.70): VV017849.D (-511) (-)





#19

1,1-Dichloroethane

Concen: 43.046 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

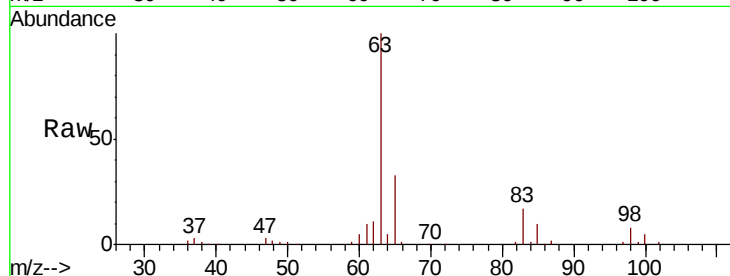
Tot Ion: 63 Resp: 132376

Ion Ratio Lower Upper

63 100

65 33.5 23.4 43.6

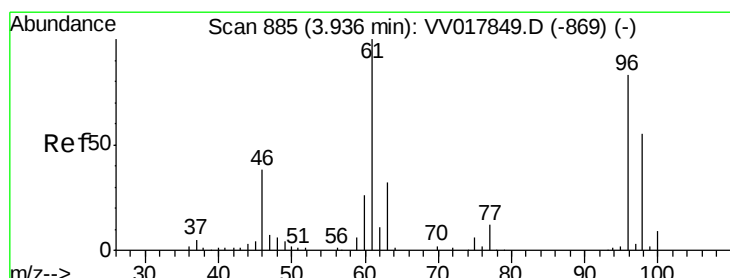
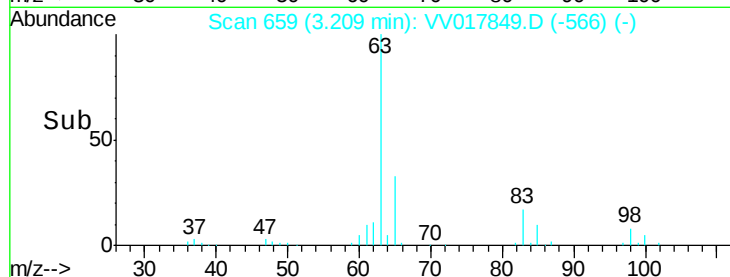
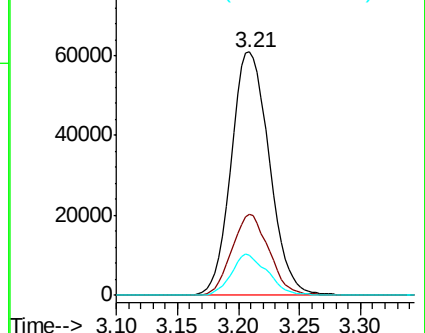
83 16.5 11.5 21.5



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: 45.493 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

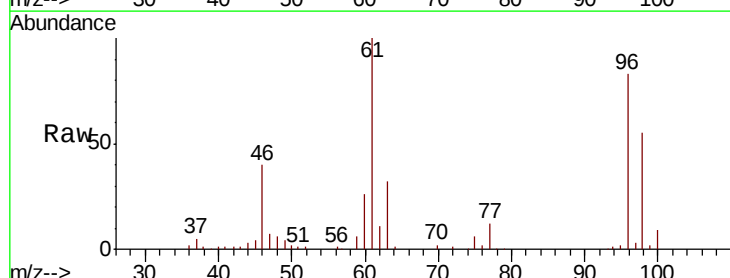
Tgt Ion: 96 Resp: 86705

Ion Ratio Lower Upper

96 100

61 120.6 84.4 156.8

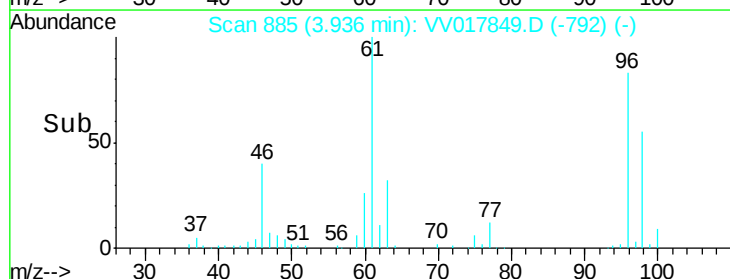
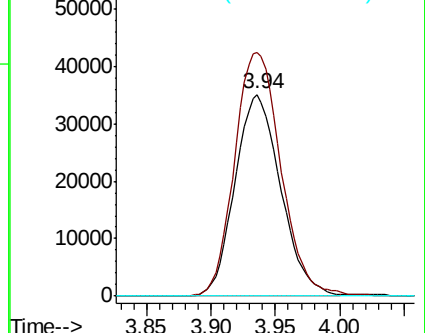
68 0.0 0.0 0.0

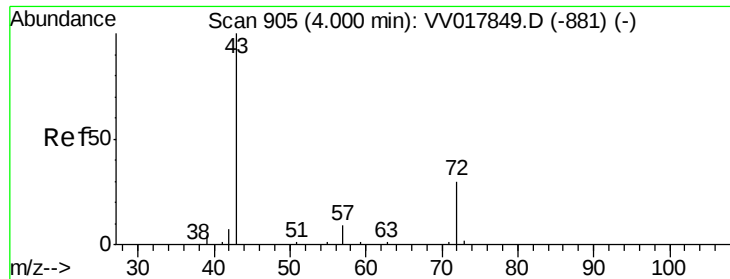


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 86.133 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

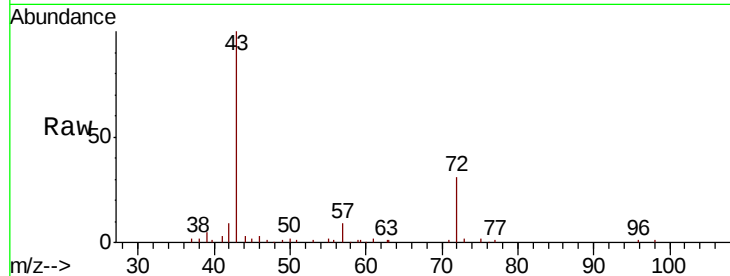
VSTD05064

Tot Ion: 43 Resp: 94408

Ion Ratio Lower Upper

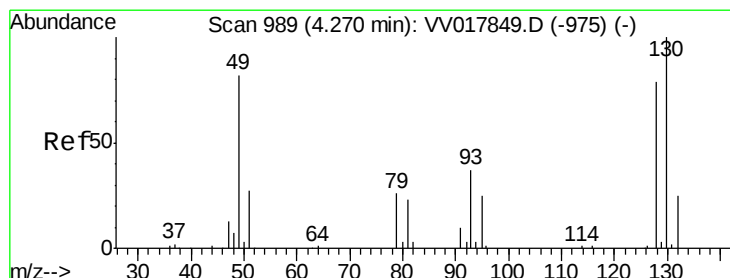
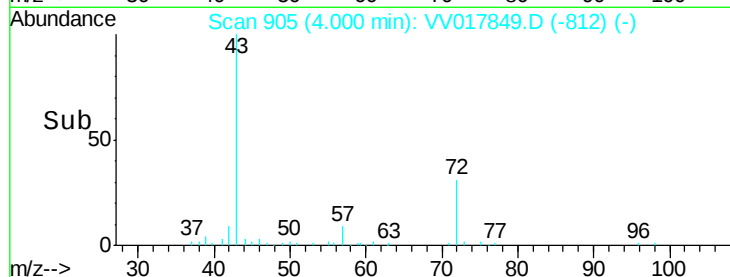
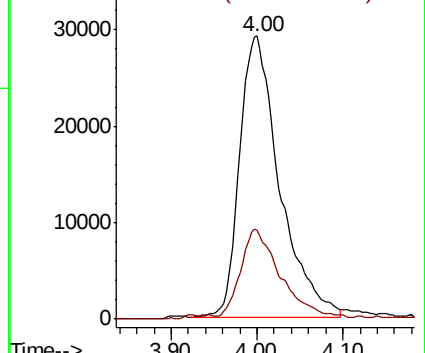
43 100

72 29.8 14.9 44.7



Abundance Ion 43.00 (42.70 to 43.70): VV017849.D (-881) (-)

Ion 72.00 (71.70 to 72.70): VV017849.D (-881) (-)



#23

Bromochloromethane

Concen: 47.464 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Tgt Ion:128 Resp: 51633

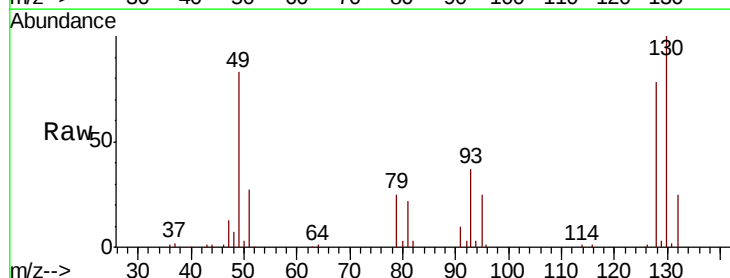
Ion Ratio Lower Upper

128 100

49 105.3 73.7 136.9

130 127.6 89.3 165.9

51 34.0 27.2 40.8

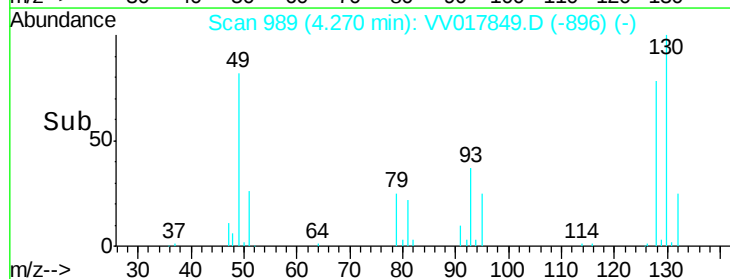
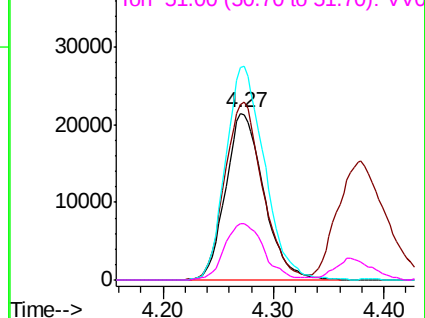


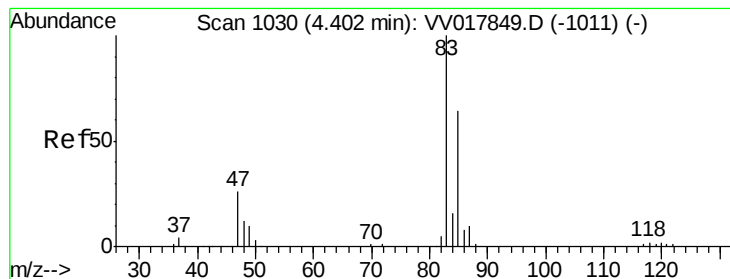
Abundance Ion 128.00 (127.70 to 128.70): VV017849.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017849.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017849.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017849.D (-975) (-)

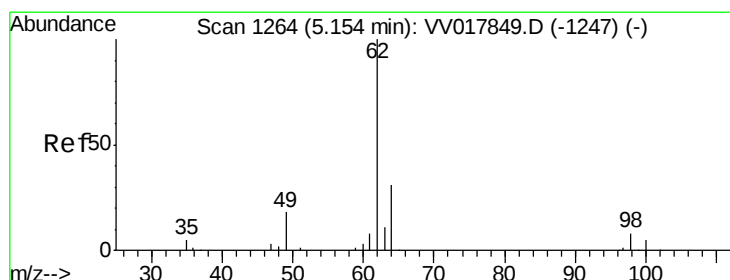
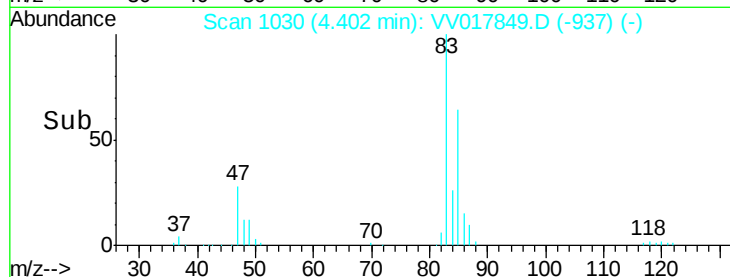
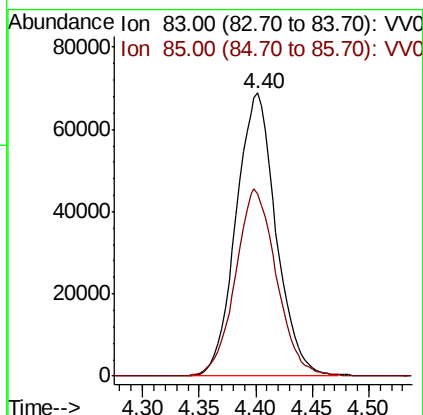
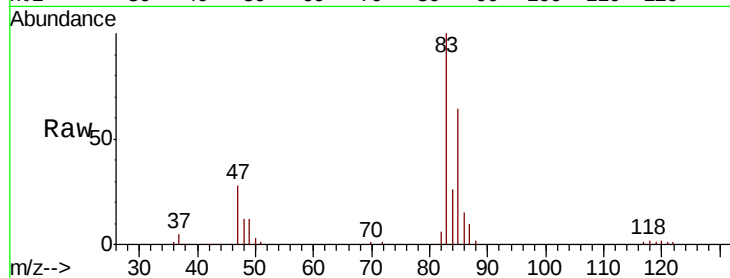




#25
Chloroform
Concen: 46.690 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017849.D
Acq: 08 Aug 2020 12:17

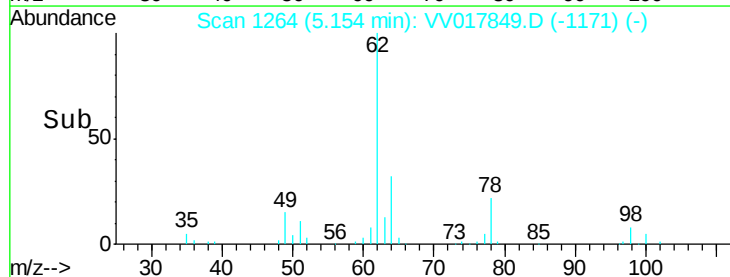
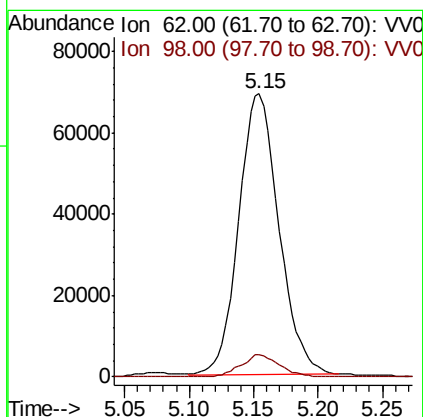
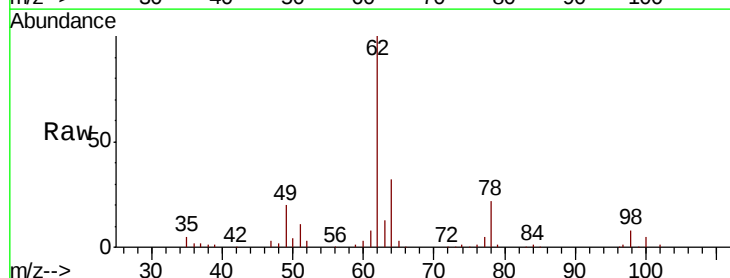
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

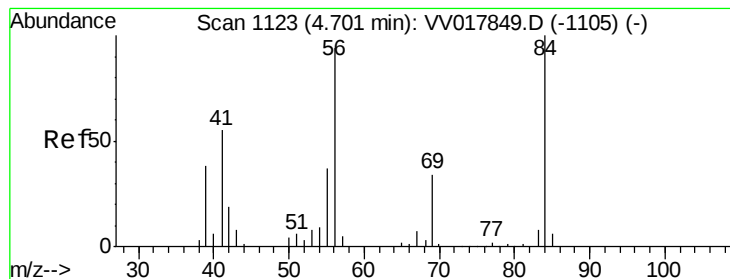
Tot Ion: 83 Resp: 169264
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 47.152 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017849.D
Acq: 08 Aug 2020 12:17

Tgt Ion: 62 Resp: 150646
Ion Ratio Lower Upper
62 100
98 7.8 6.2 9.4





#29

Cyclohexane

Concen: 41.332 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

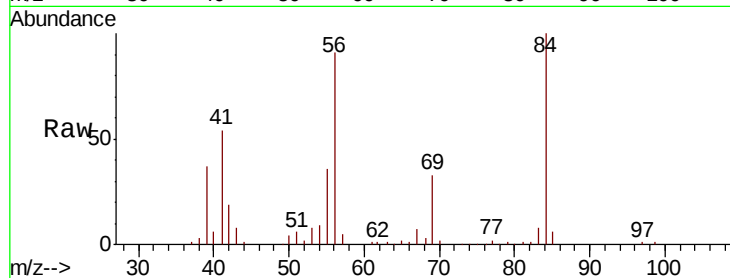
Tot Ion: 56 Resp: 101916

Ion Ratio Lower Upper

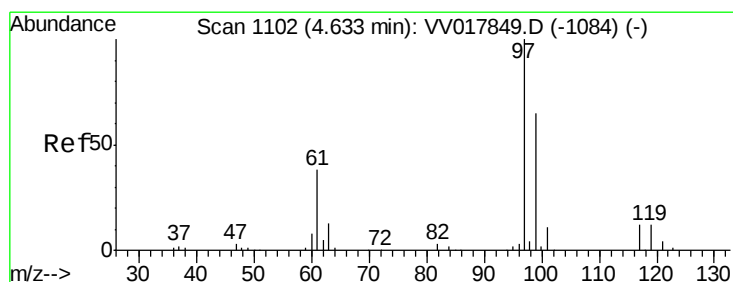
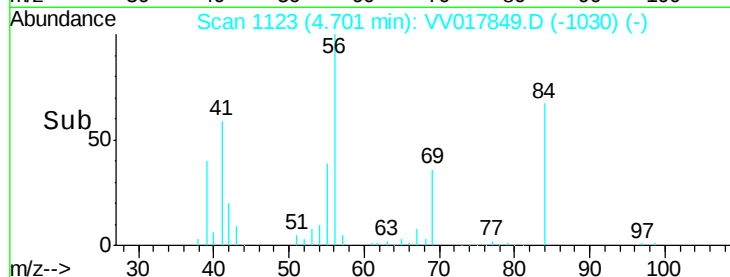
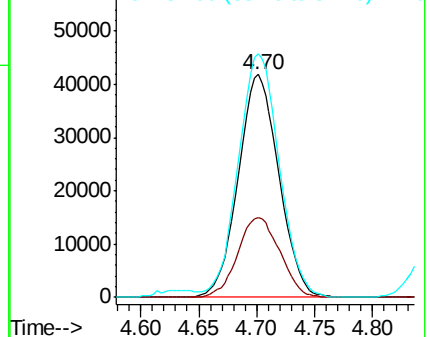
56 100

69 37.0 29.6 44.4

84 110.6 88.5 132.7



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: 48.453 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

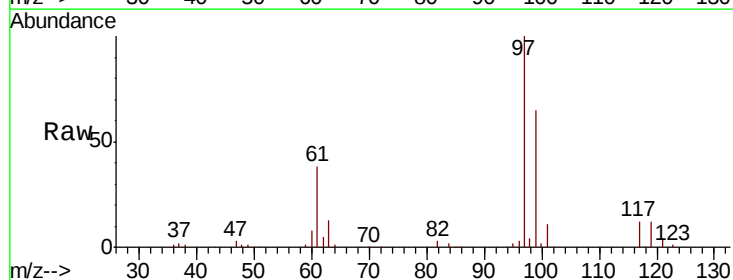
Tgt Ion: 97 Resp: 177536

Ion Ratio Lower Upper

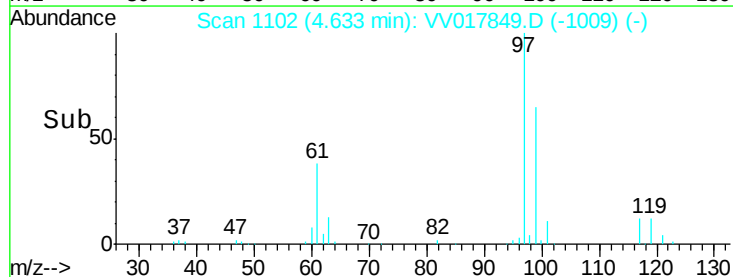
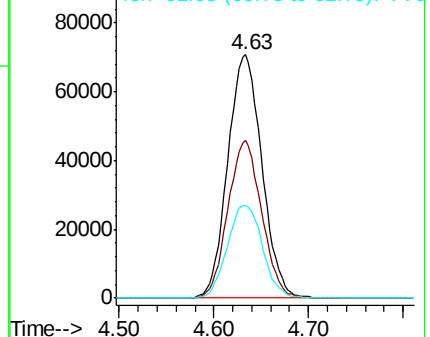
97 100

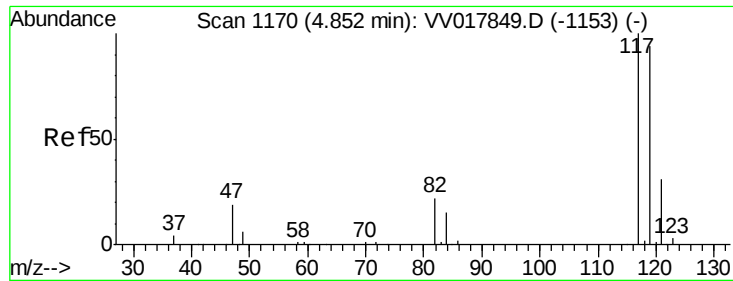
99 63.8 51.0 76.6

61 39.4 31.5 47.3



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: 47.711 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

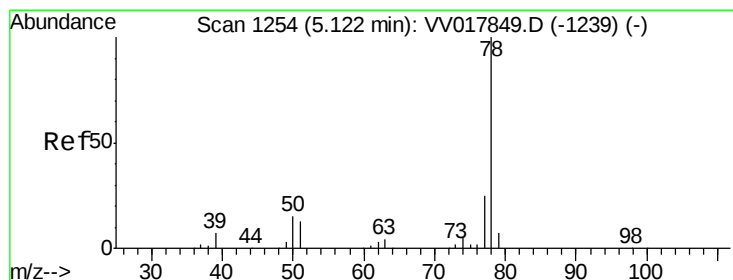
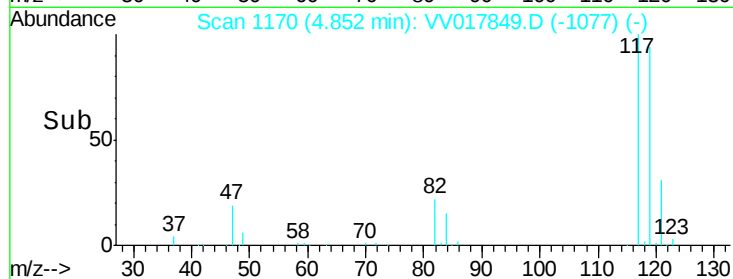
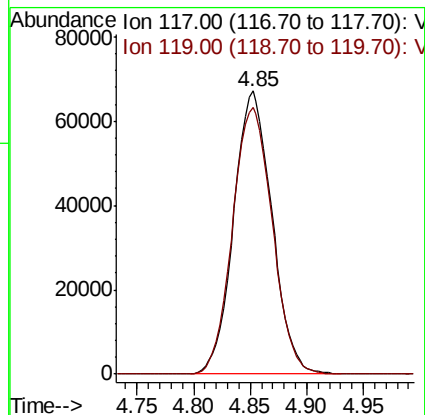
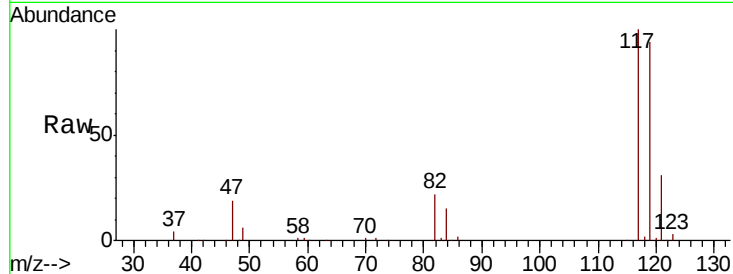
VSTD05064

Tot Ion:117 Resp: 158385

Ion Ratio Lower Upper

117 100

119 97.8 78.2 117.4



#33

Benzene

Concen: 45.055 ug/L

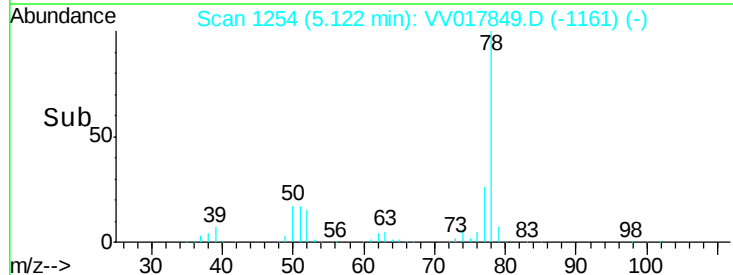
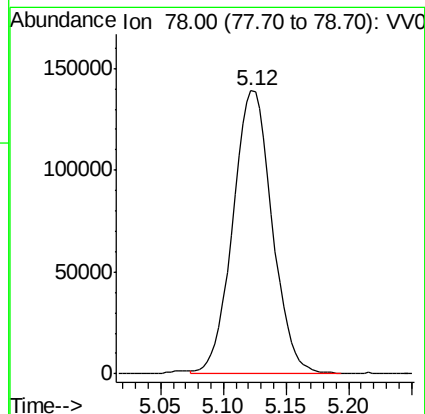
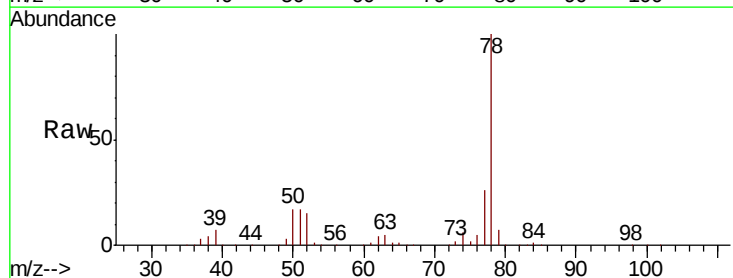
RT: 5.12 min Scan# 1254

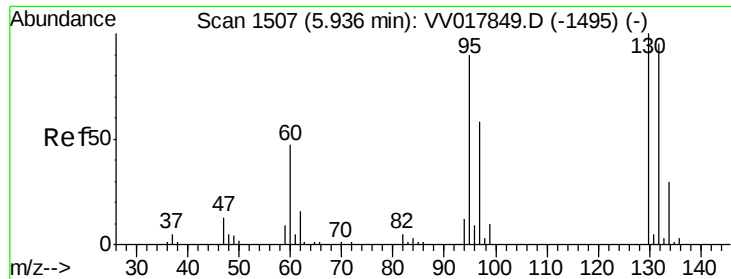
Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Tgt Ion: 78 Resp: 303261

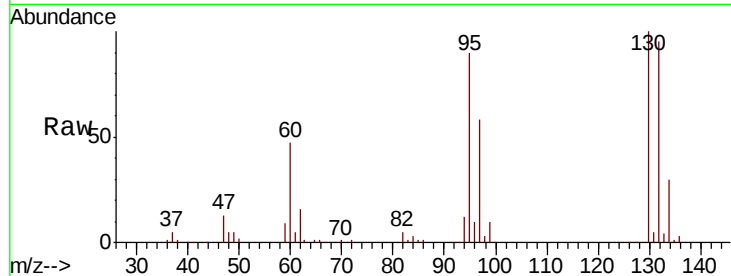




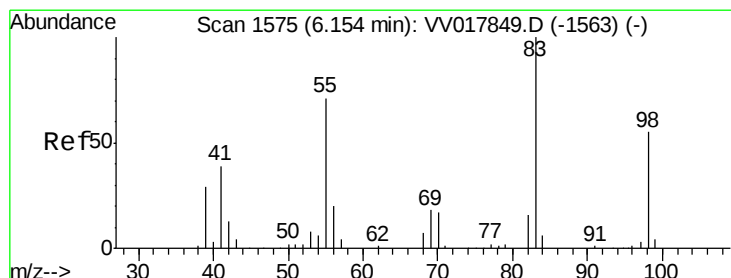
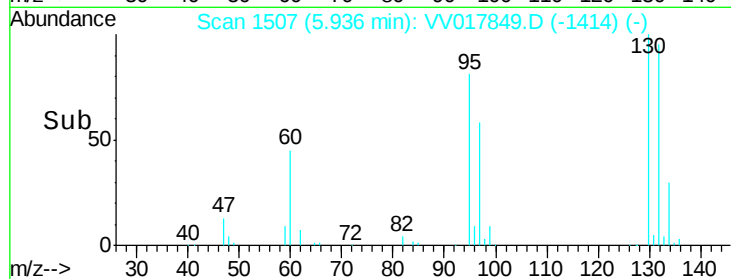
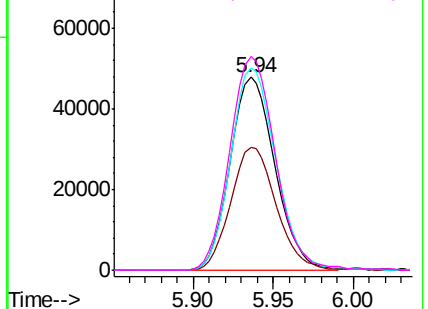
#34
 Trichloroethene
 Concen: 47.257 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017849.D
 Acq: 08 Aug 2020 12:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tot Ion: 95 Resp: 91779
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.7 83.1
 132 105.2 73.6 136.8
 130 110.8 77.6 144.0

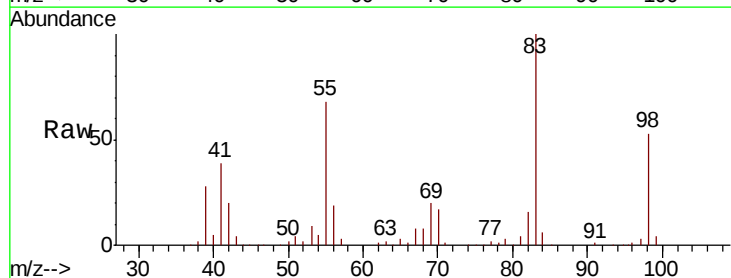


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

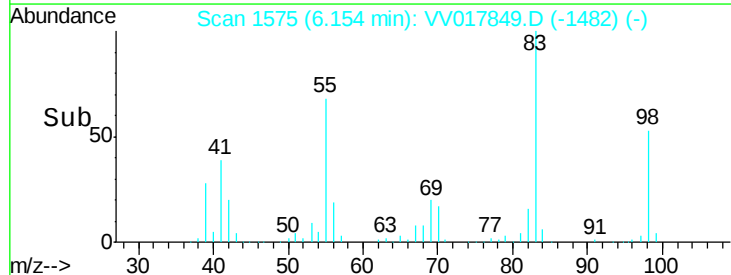
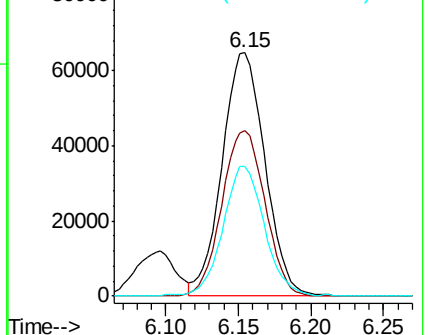


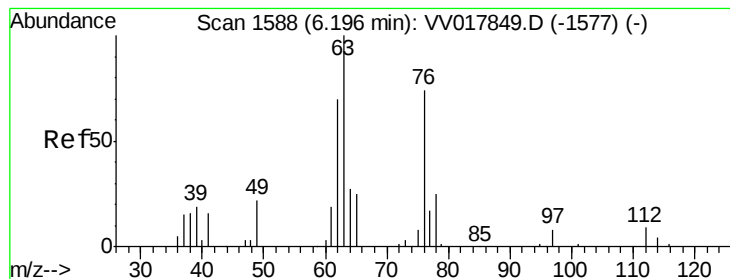
#35
 Methylcyclohexane
 Concen: 47.140 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017849.D
 Acq: 08 Aug 2020 12:17

Tgt Ion: 83 Resp: 133387
 Ion Ratio Lower Upper
 83 100
 55 68.3 54.6 82.0
 98 51.4 41.1 61.7



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: 42.524 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

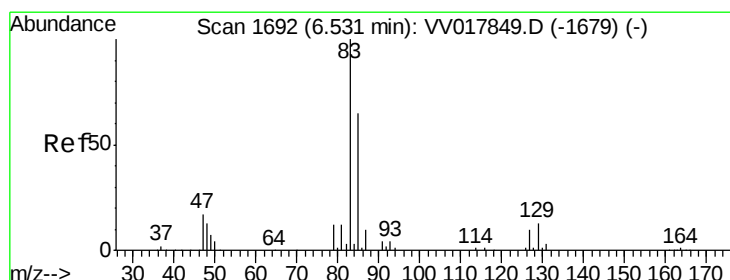
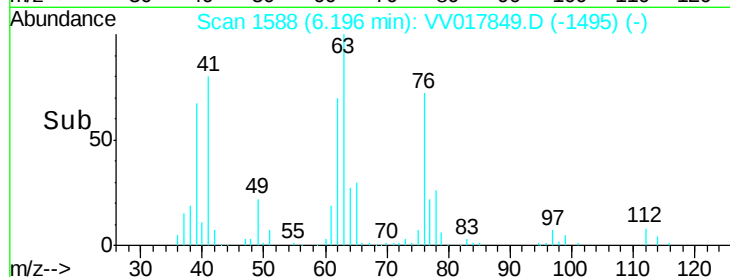
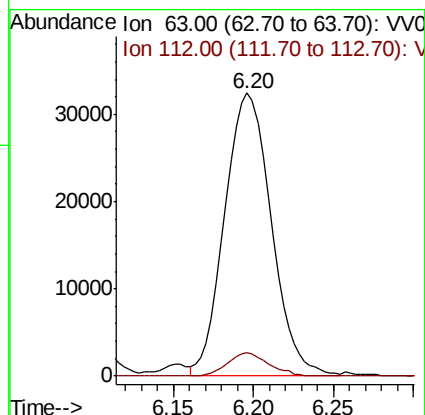
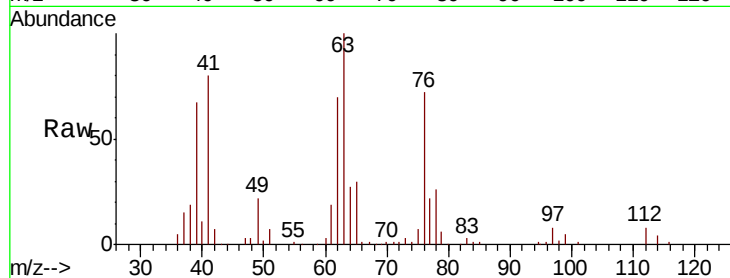
VSTD05064

Tot Ion: 63 Resp: 64949

Ion Ratio Lower Upper

63 100

112 7.2 5.8 8.6



#38

Bromodichloromethane

Concen: 44.762 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

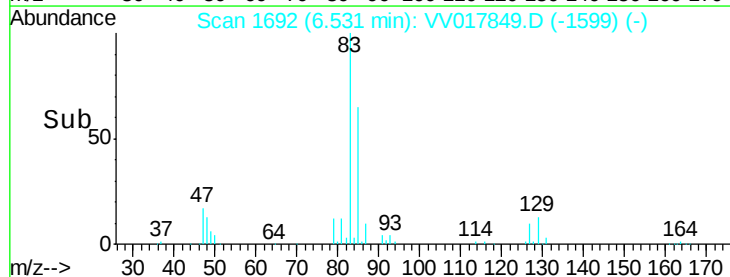
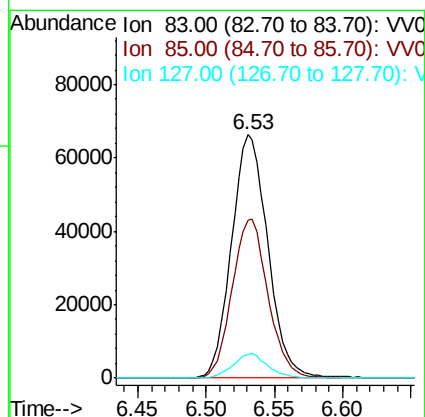
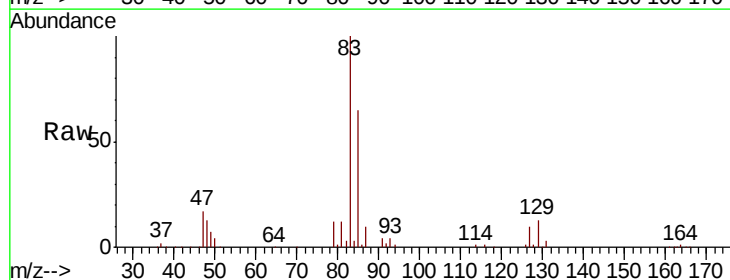
Tgt Ion: 83 Resp: 122655

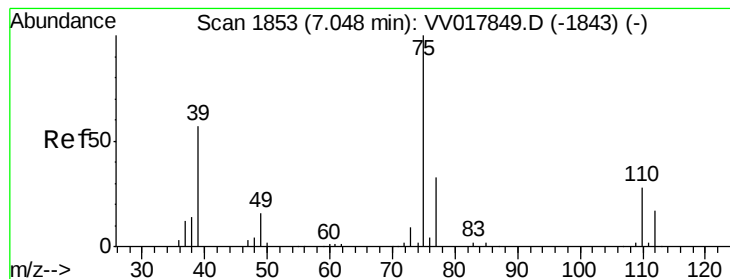
Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

127 9.8 7.8 11.8



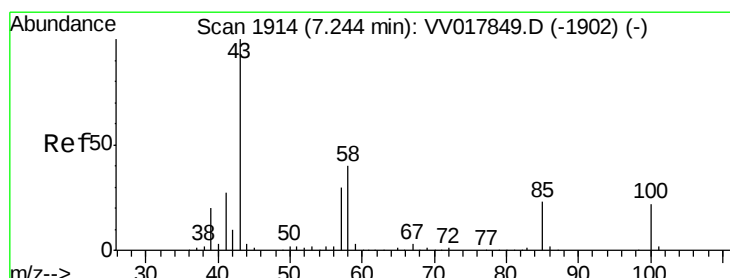
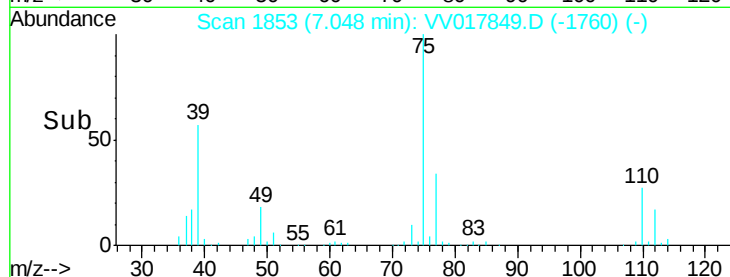
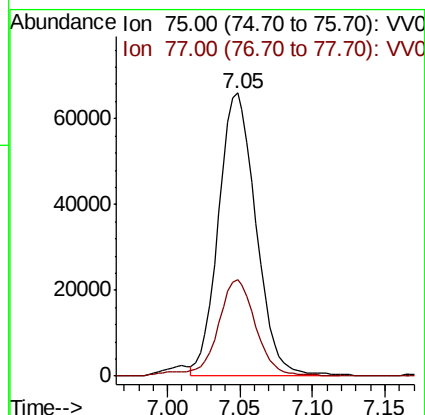
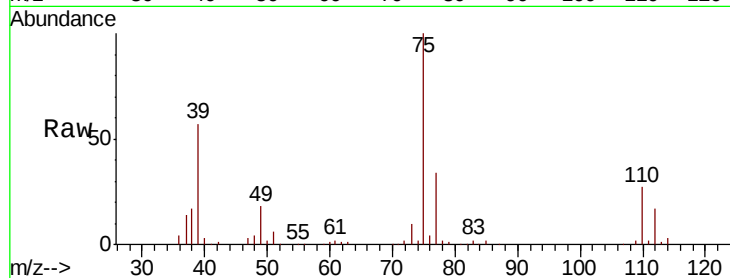


#39

cis-1,3-Dichloropropene
 Concen: 42.565 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017849.D
 Acq: 08 Aug 2020 12:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

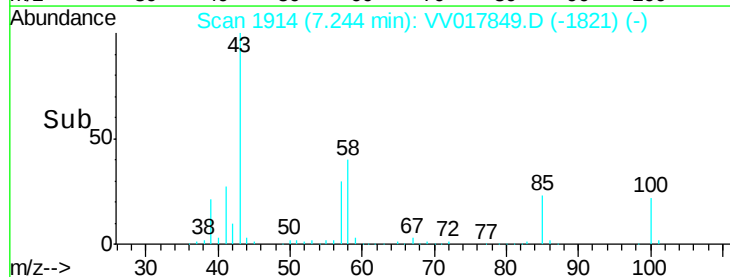
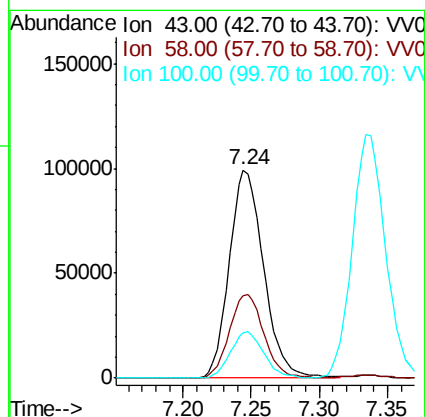
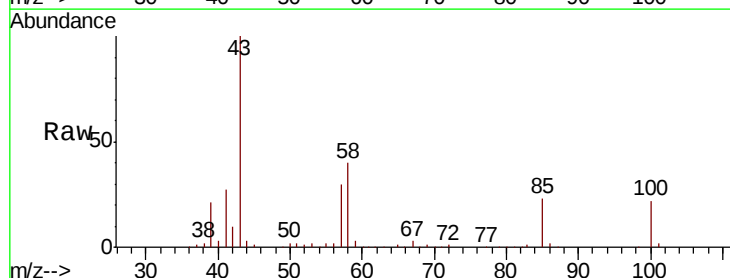
Tot Ion: 75 Resp: 119184
 Ion Ratio Lower Upper
 75 100
 77 33.9 23.7 44.1

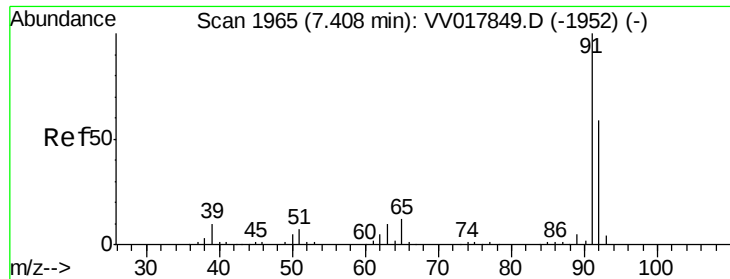


#40

4-Methyl-2-pentanone
 Concen: 83.728 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017849.D
 Acq: 08 Aug 2020 12:17

Tgt Ion: 43 Resp: 173794
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.3 48.5
 100 21.7 17.4 26.0





#42

Toluene

Concen: 47.016 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

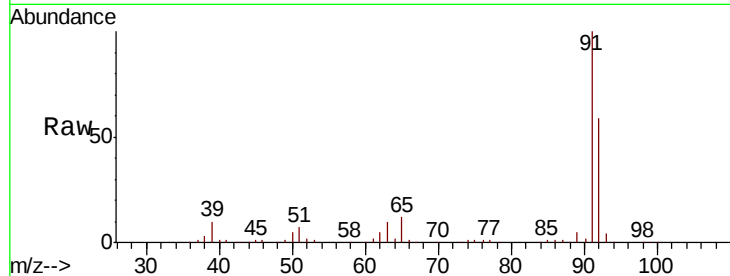
VSTD05064

Tot Ion: 91 Resp: 353413

Ion Ratio Lower Upper

91 100

92 59.2 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV017849.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV017849.D (-1952) (-)

7.41

250000

200000

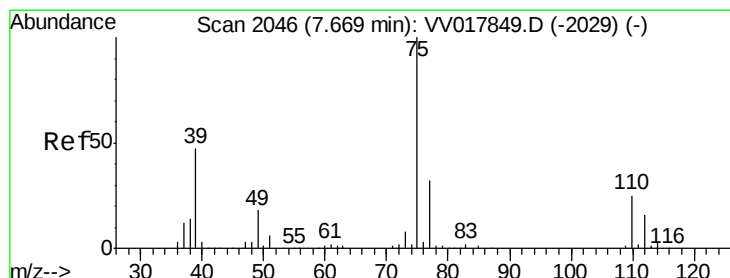
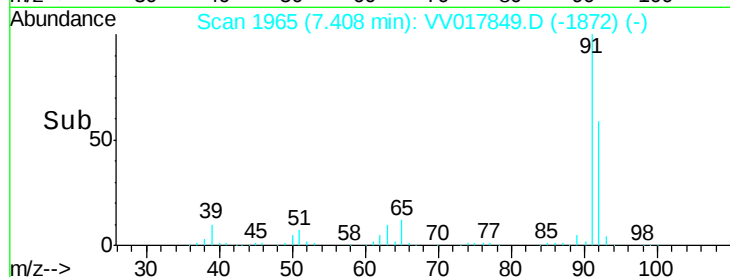
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 44.807 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017849.D

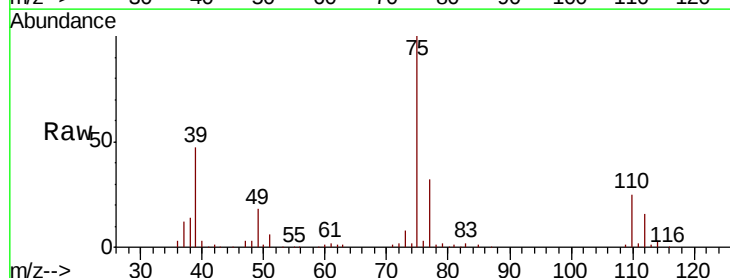
Acq: 08 Aug 2020 12:17

Tgt Ion: 75 Resp: 128896

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV017849.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV017849.D (-2029) (-)

7.67

80000

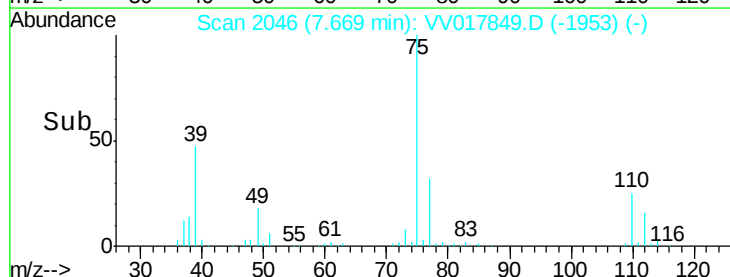
60000

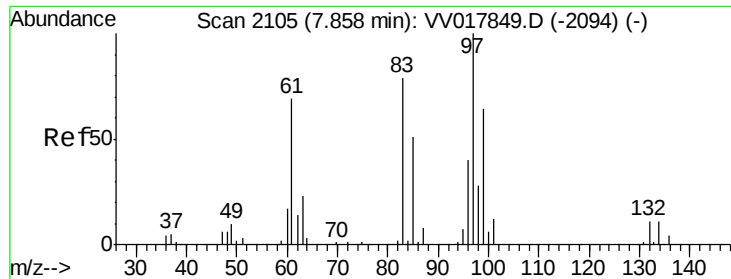
40000

20000

0

Time-->

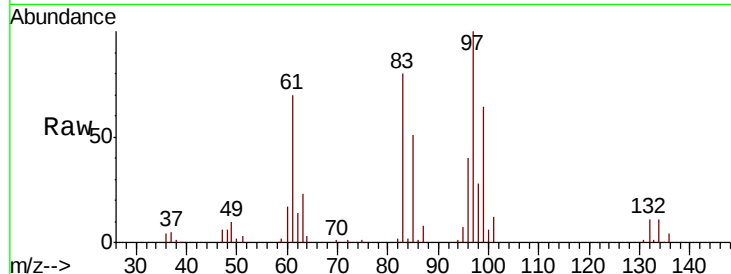




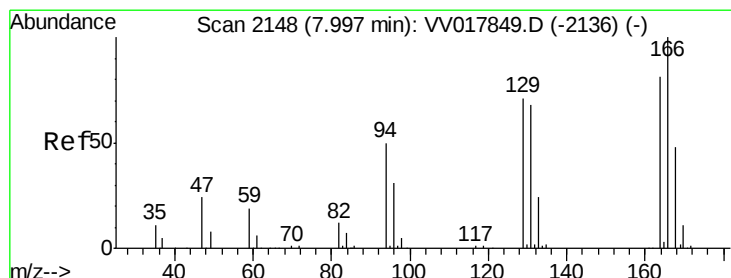
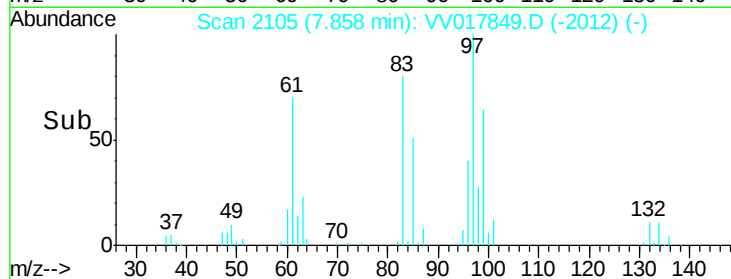
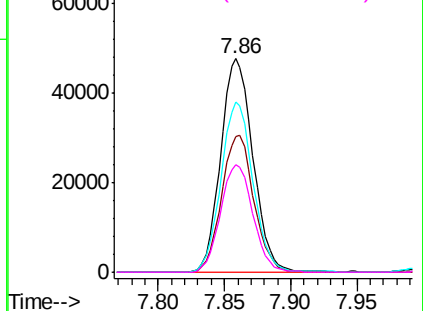
#45
 1,1,2-Trichloroethane
 Concen: 45.503 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017849.D
 Acq: 08 Aug 2020 12:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tot Ion:	97	Resp:	80579
Ion	Ratio	Lower	Upper
97	100		
99	63.8	44.7	82.9
83	79.6	55.7	103.5
85	50.6	35.4	65.8

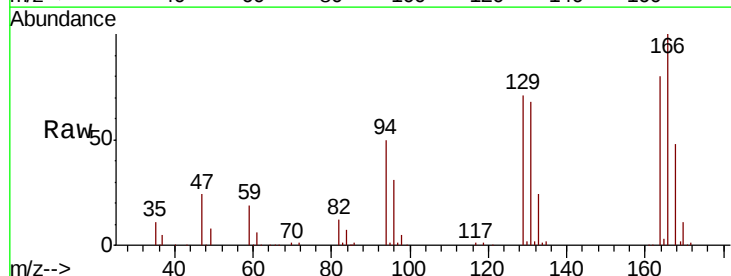


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

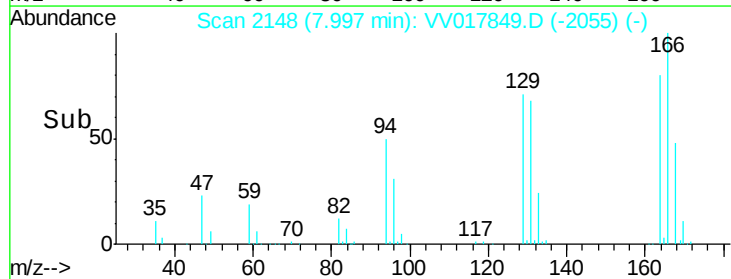
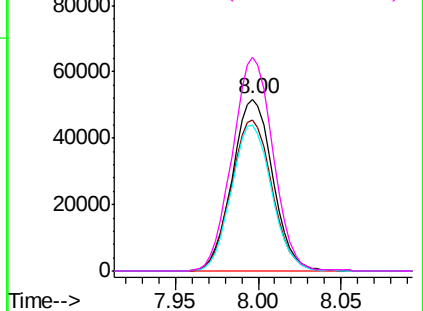


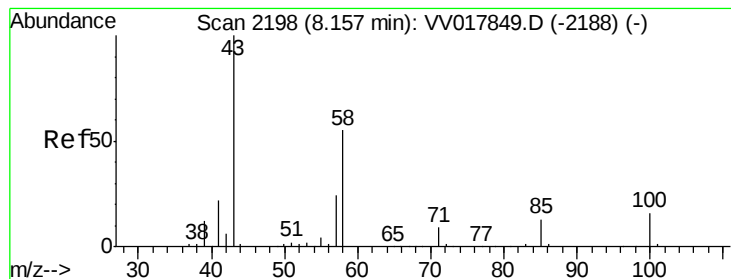
#46
 Tetrachloroethene
 Concen: 50.413 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017849.D
 Acq: 08 Aug 2020 12:17

Tgt Ion:	164	Resp:	88044
Ion	Ratio	Lower	Upper
164	100		
129	88.0	61.6	114.4
131	85.2	59.6	110.8
166	124.5	87.2	161.9



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 84.760 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

Tot Ion: 43 Resp: 141580

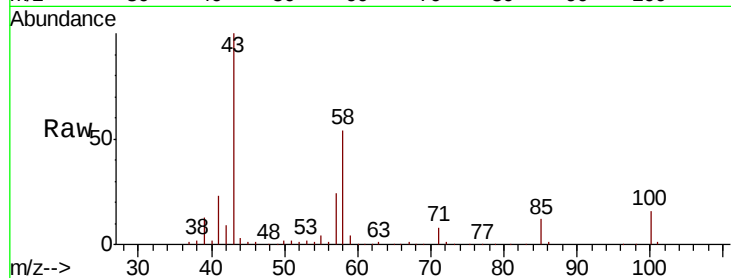
Ion Ratio Lower Upper

43 100

58 54.8 43.8 65.8

57 22.5 18.0 27.0

100 17.3 13.8 20.8

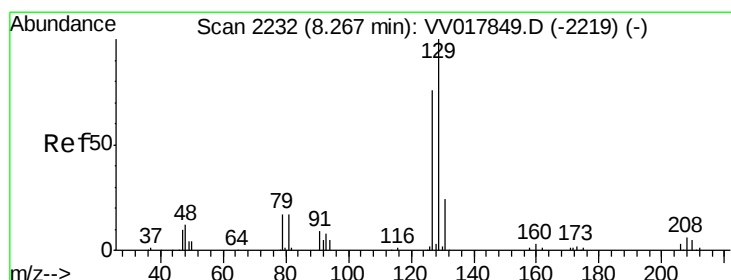
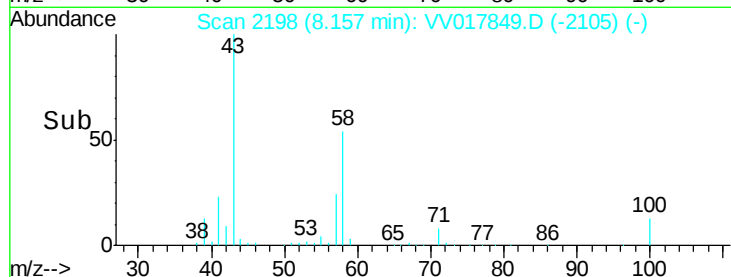
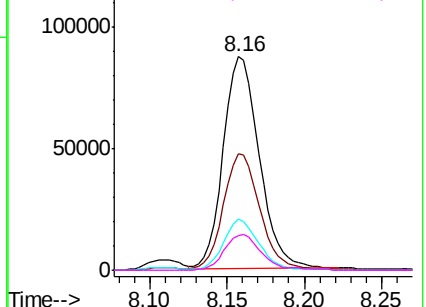


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 41.904 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017849.D

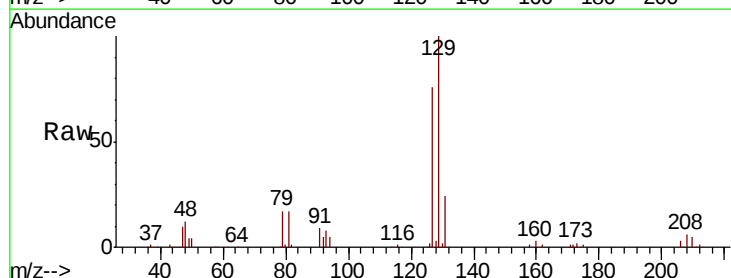
Acq: 08 Aug 2020 12:17

Tgt Ion: 129 Resp: 94699

Ion Ratio Lower Upper

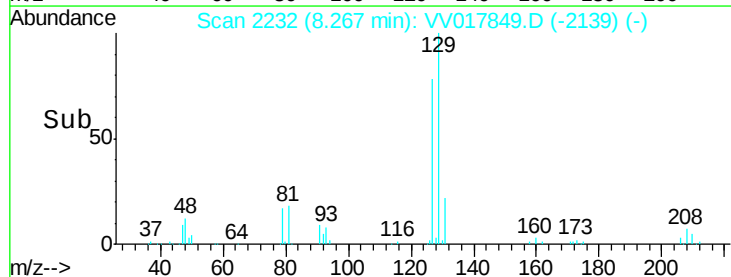
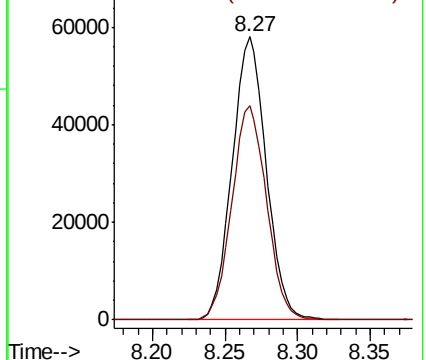
129 100

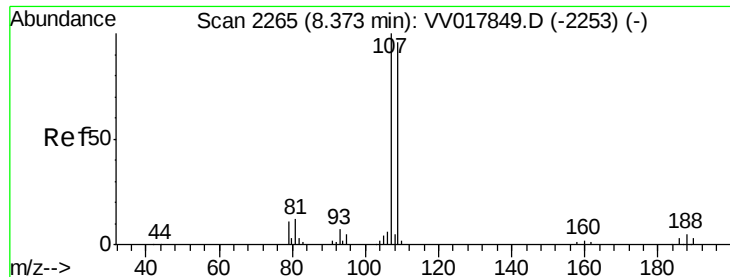
127 75.8 53.1 98.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

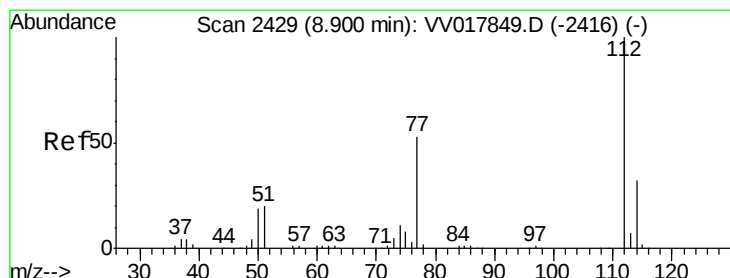
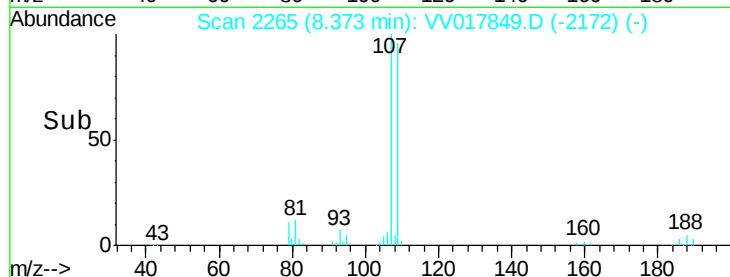
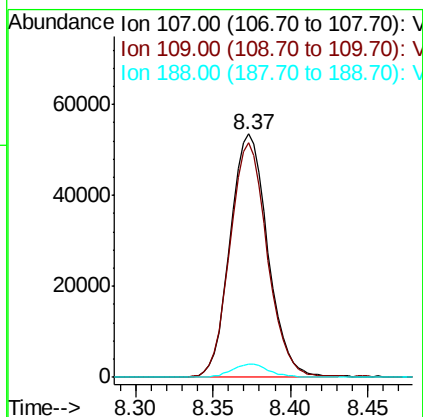
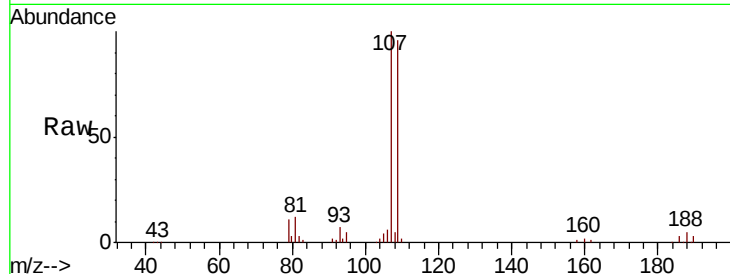




#50
 1,2-Dibromoethane
 Concen: 46.667 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017849.D
 Acq: 08 Aug 2020 12:17

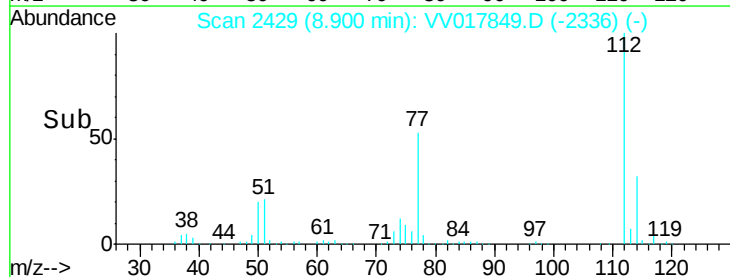
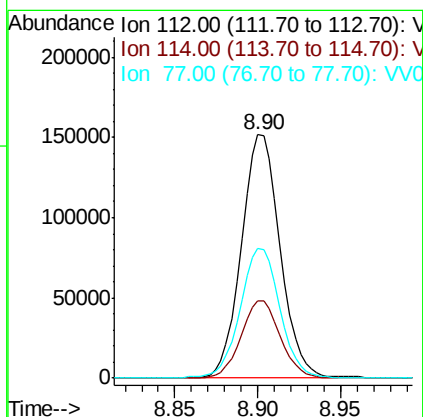
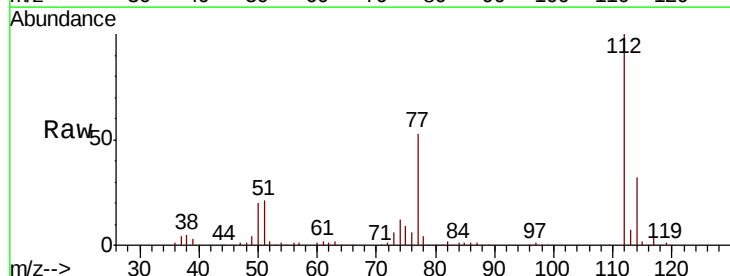
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

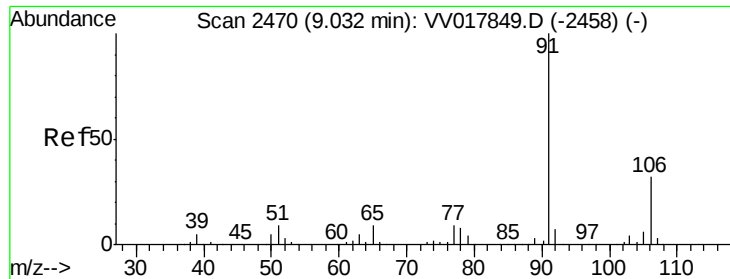
Tot Ion	107	Resp	90481
Ion Ratio	Lower	Upper	
107	100		
109	96.2	67.3	125.1
188	5.4	4.3	6.5



#51
 Chlorobenzene
 Concen: 47.285 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV017849.D
 Acq: 08 Aug 2020 12:17

Tgt Ion	112	Resp	246076
Ion Ratio	Lower	Upper	
112	100		
114	32.0	22.4	41.6
77	53.4	42.7	64.1





#52

Ethylbenzene

Concen: 48.025 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

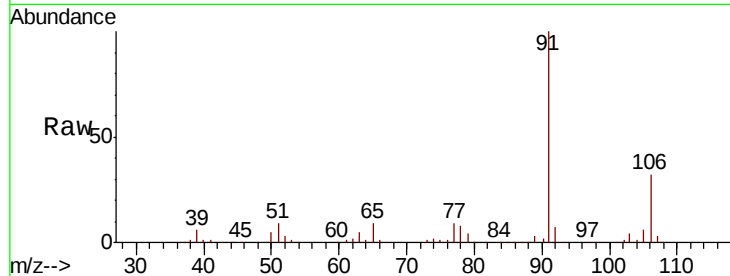
VSTD05064

Tot Ion: 91 Resp: 416286

Ion Ratio Lower Upper

91 100

106 32.0 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV017849.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV017849.D (-2458) (-)

9.03

250000

200000

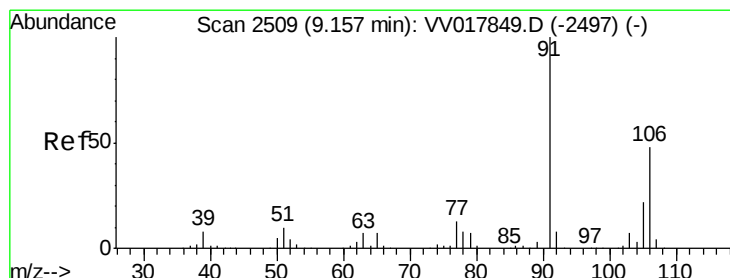
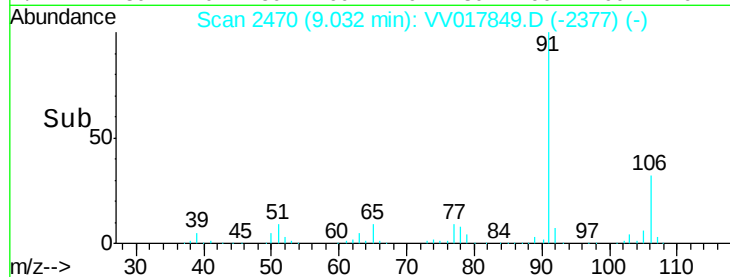
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 47.991 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017849.D

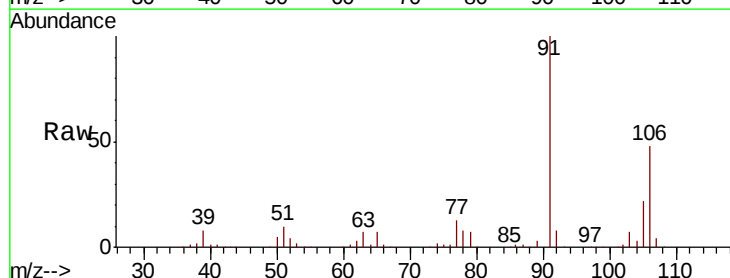
Acq: 08 Aug 2020 12:17

Tgt Ion: 106 Resp: 159412

Ion Ratio Lower Upper

106 100

91 209.2 146.4 272.0



Abundance Ion 106.00 (105.70 to 106.70): VV017849.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV017849.D (-2497) (-)

9.16

250000

200000

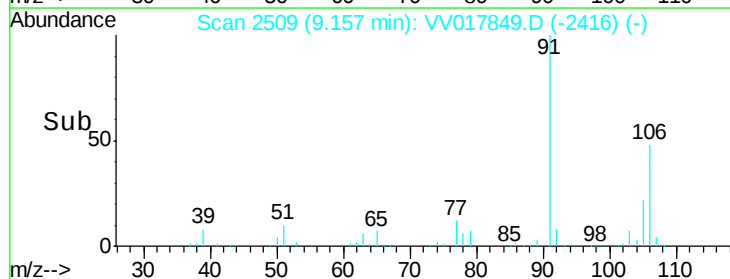
150000

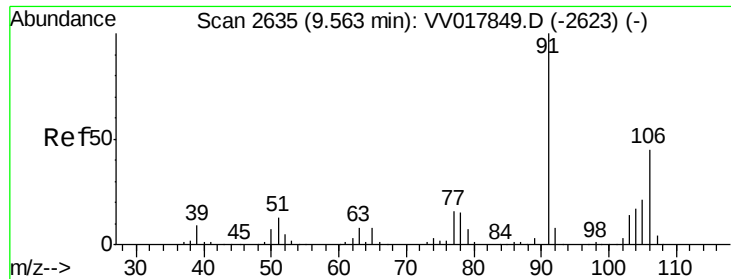
100000

50000

0

Time-->

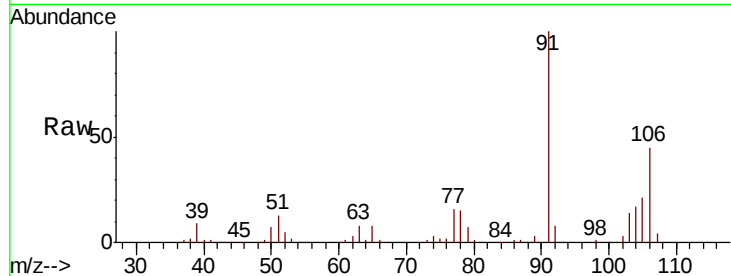




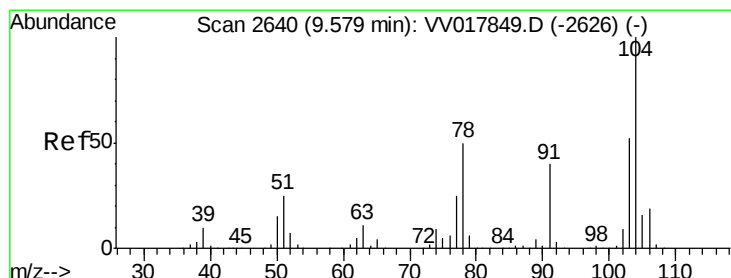
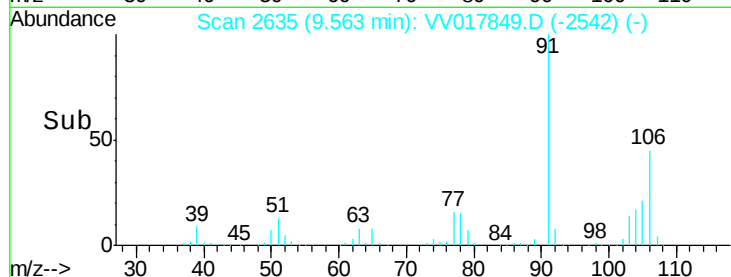
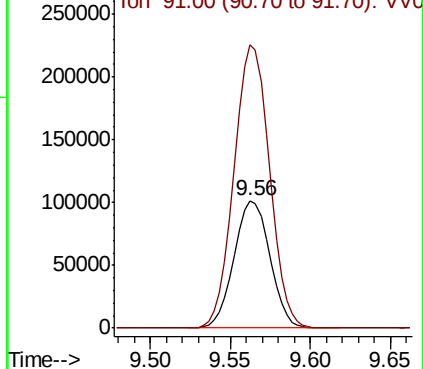
#54
o-xylene
Concen: 48.309 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017849.D
Acq: 08 Aug 2020 12:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tot Ion:106 Resp: 155218
Ion Ratio Lower Upper
106 100
91 221.7 155.2 288.2

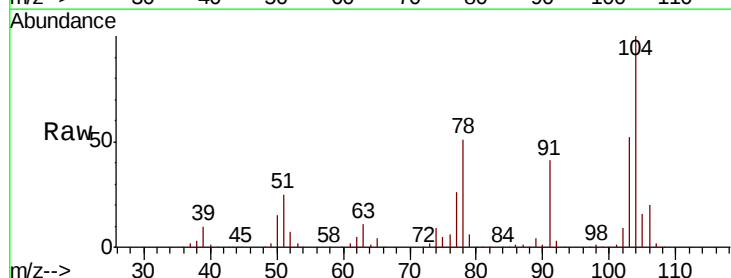


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

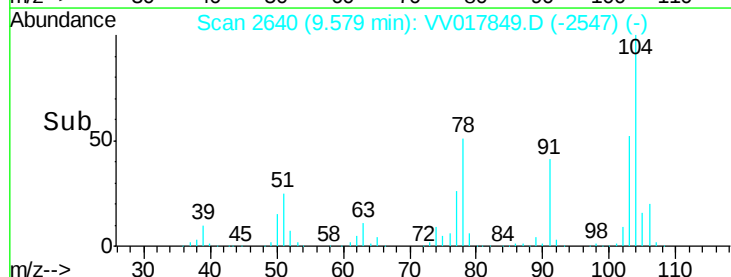
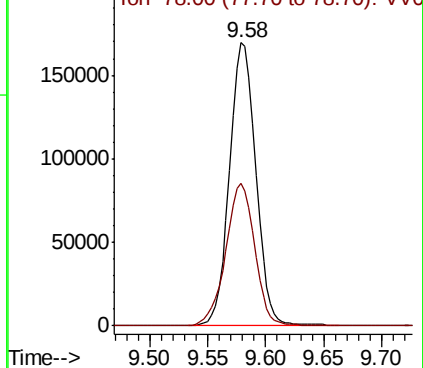


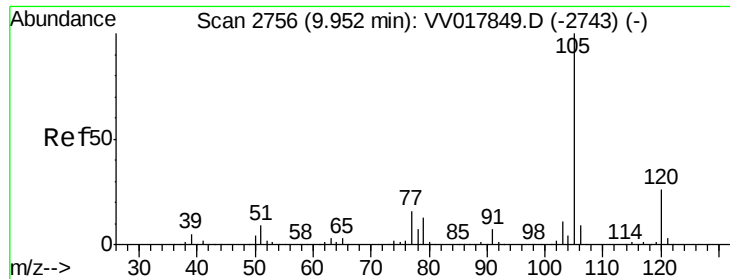
#55
Styrene
Concen: 47.824 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV017849.D
Acq: 08 Aug 2020 12:17

Tgt Ion:104 Resp: 266825
Ion Ratio Lower Upper
104 100
78 50.5 35.4 65.7



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





#56

Isopropylbenzene

Concen: 49.046 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

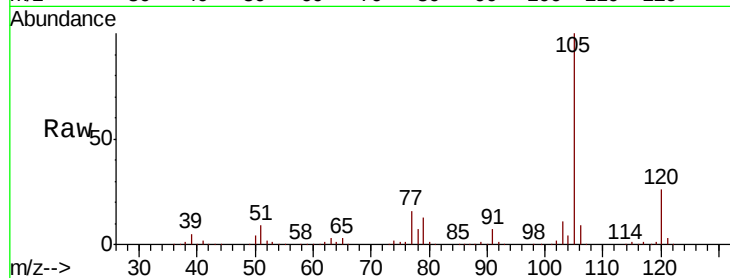
Tot Ion:105 Resp: 432723

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

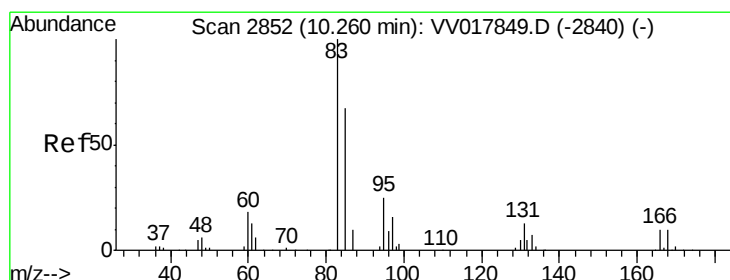
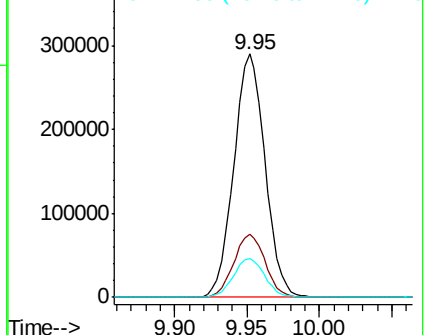
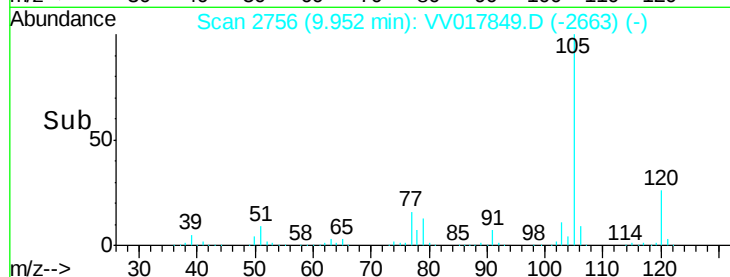
77 16.2 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 43.009 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

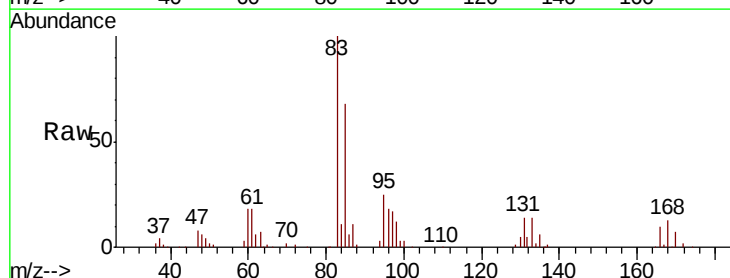
Tgt Ion: 83 Resp: 109706

Ion Ratio Lower Upper

83 100

85 67.8 47.5 88.1

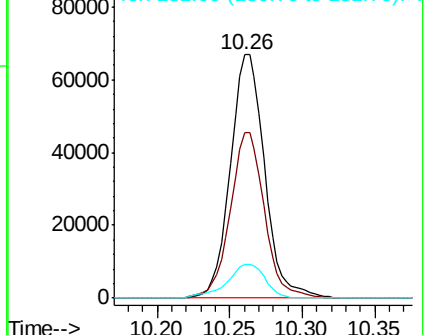
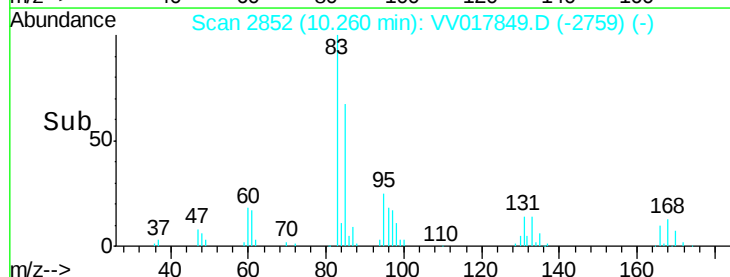
131 13.9 11.1 16.7

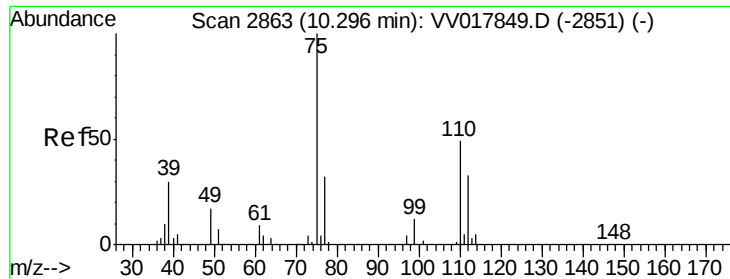


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.117 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

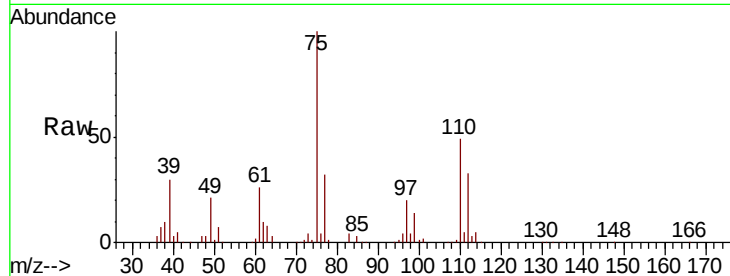
VSTD05064

Tot Ion: 75 Resp: 99437

Ion Ratio Lower Upper

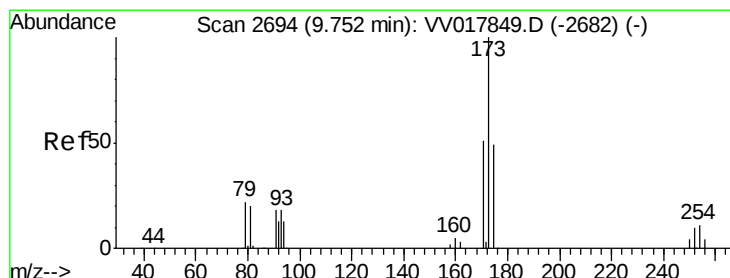
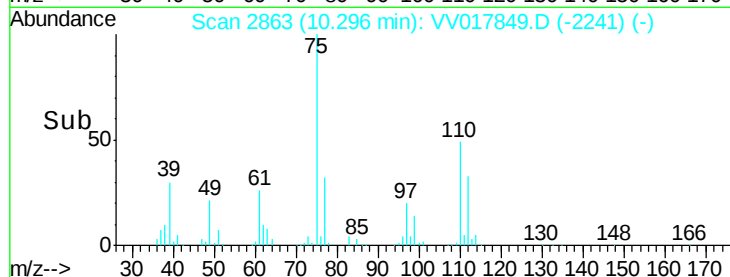
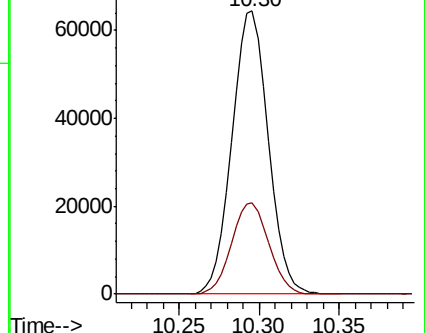
75 100

77 33.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV017849.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV017849.D (-2851) (-)



#61

Bromoform

Concen: 36.248 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

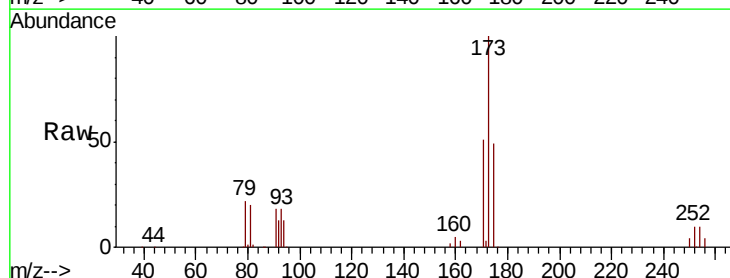
Tgt Ion: 173 Resp: 61178

Ion Ratio Lower Upper

173 100

175 50.7 40.6 60.8

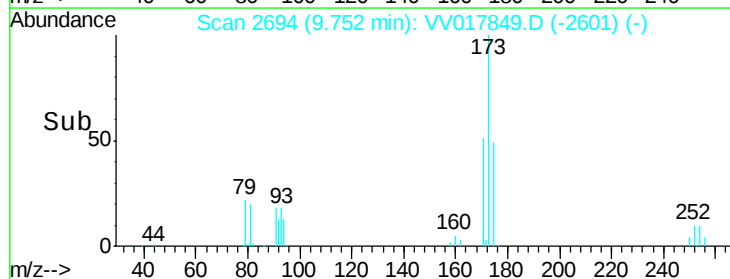
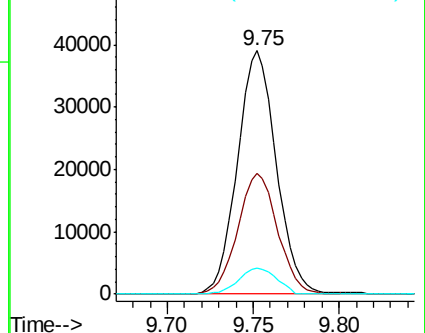
254 10.2 8.2 12.2

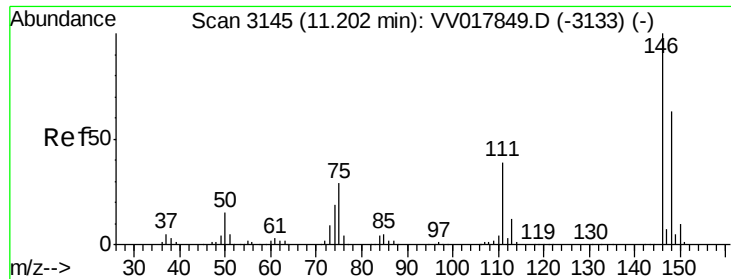


Abundance Ion 173.00 (172.70 to 173.70): VV017849.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017849.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017849.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 48.920 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

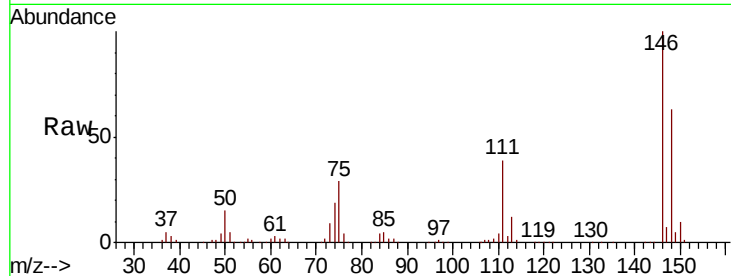
Tot Ion:146 Resp: 226798

Ion Ratio Lower Upper

146 100

111 38.7 27.1 50.3

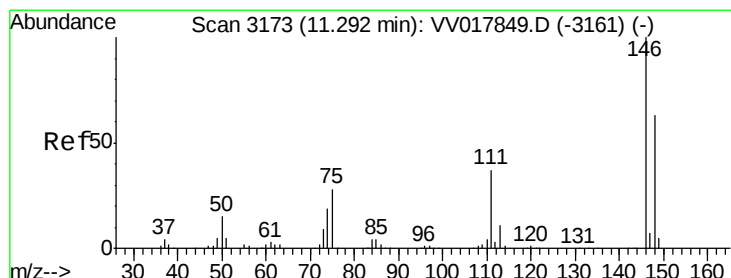
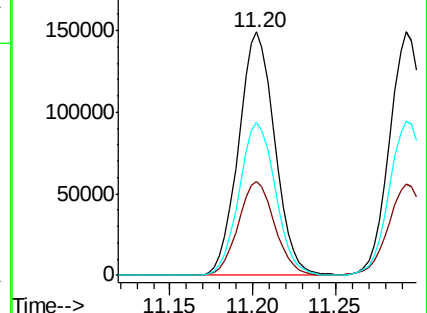
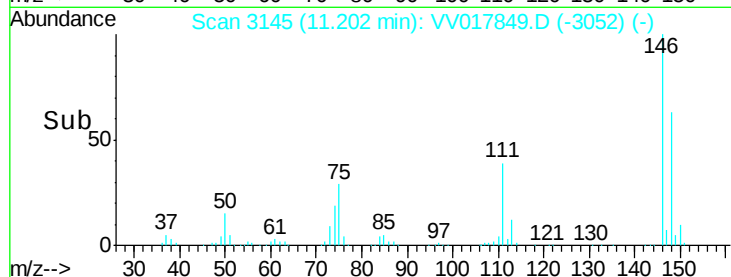
148 62.6 43.8 81.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.485 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

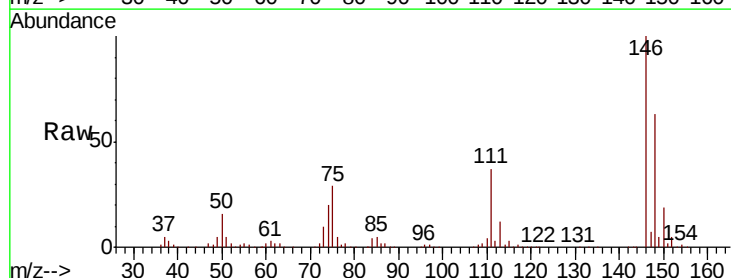
Tgt Ion:146 Resp: 227659

Ion Ratio Lower Upper

146 100

111 37.5 26.2 48.8

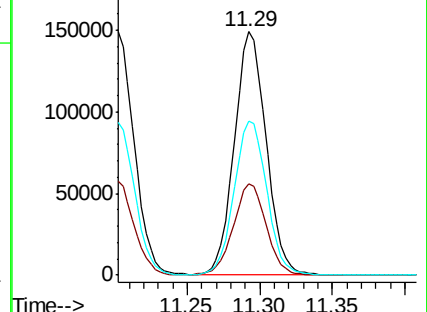
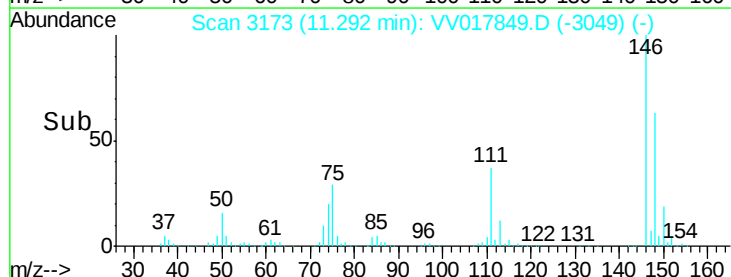
148 63.3 44.3 82.3

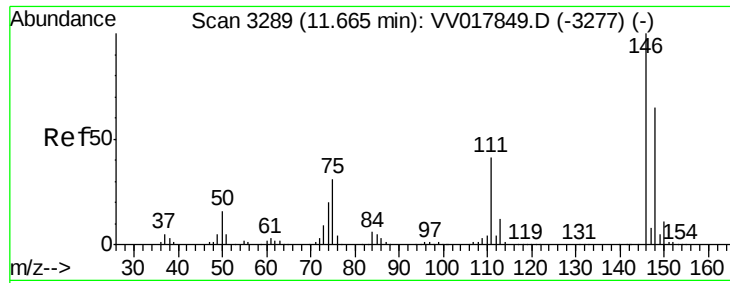


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.071 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampled :

VSTD05064

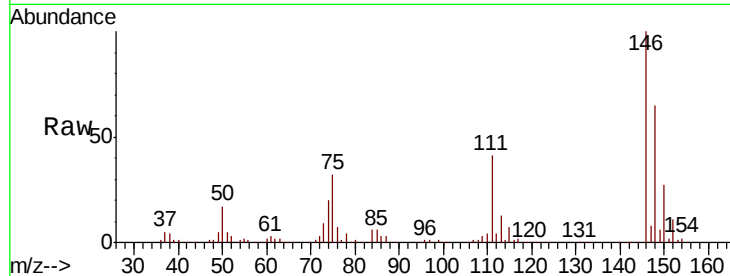
Tot Ion:146 Resp: 222275

Ion Ratio Lower Upper

146 100

111 41.1 32.9 49.3

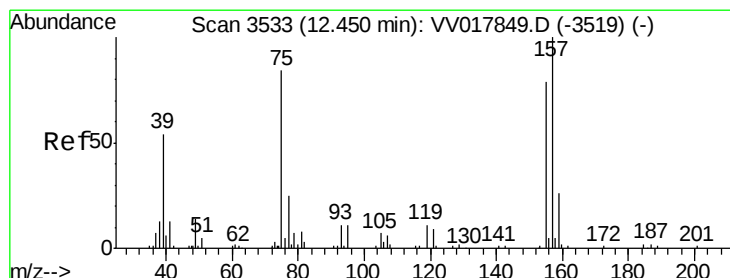
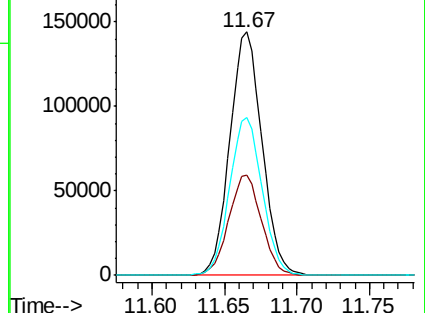
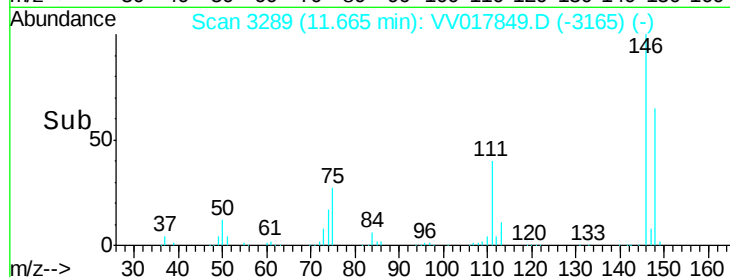
148 64.9 51.9 77.9



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: 41.888 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

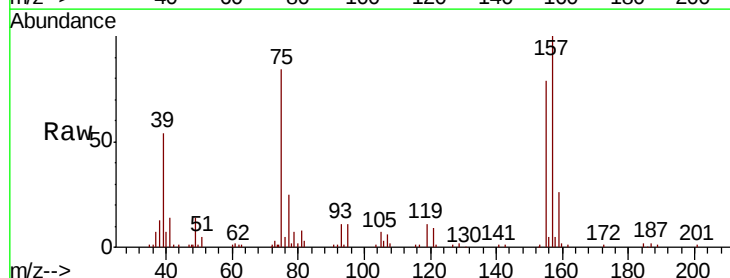
Tgt Ion: 75 Resp: 29694

Ion Ratio Lower Upper

75 100

155 93.8 75.0 112.6

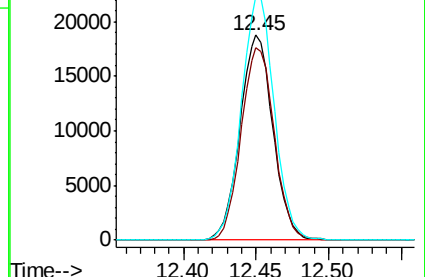
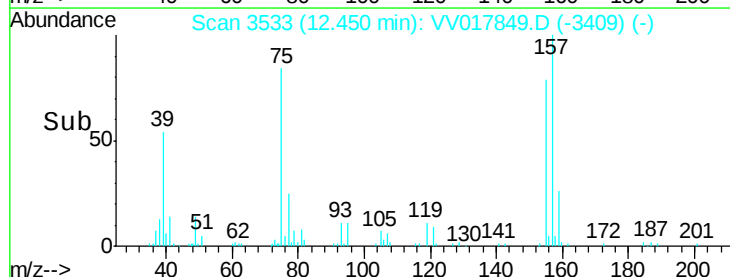
157 118.7 95.0 142.4

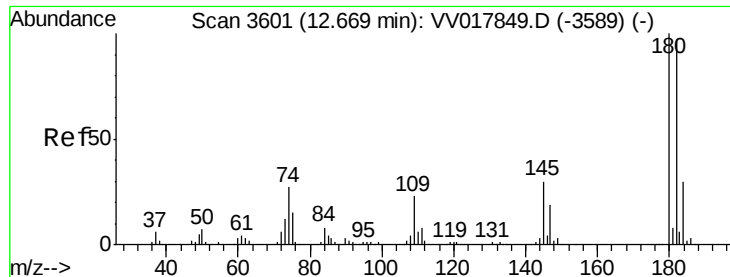


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 51.033 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

Tot Ion:180 Resp: 185408

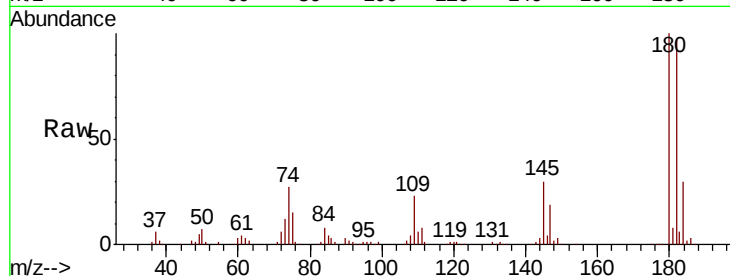
Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

184 30.5 24.4 36.6

145 30.3 24.2 36.4

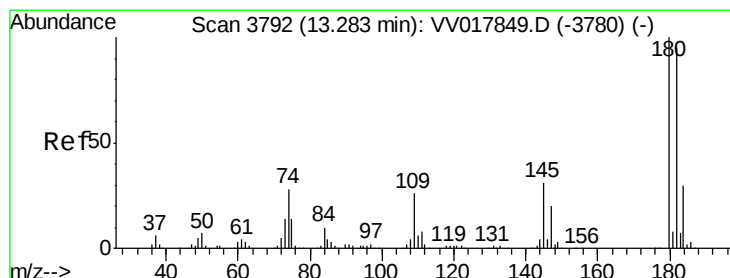
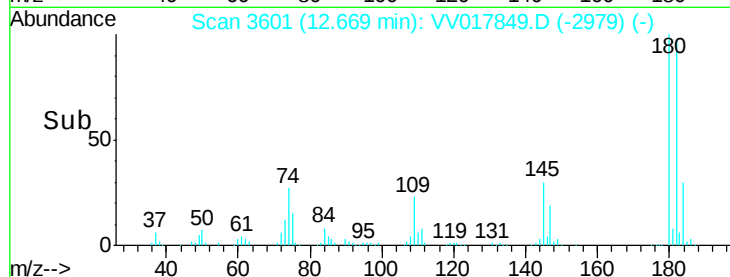
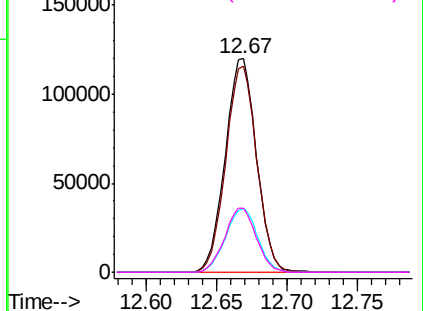


Abundance Ion 180.00 (179.70 to 180.70): V

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: 53.254 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

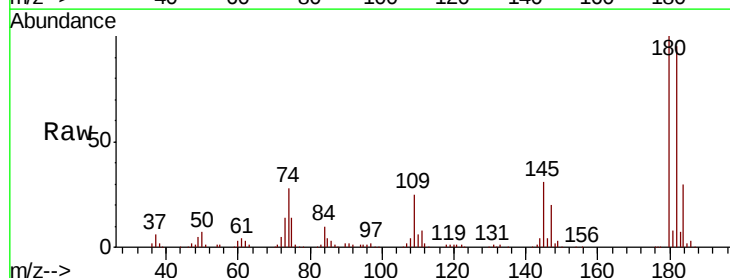
Tgt Ion:180 Resp: 168346

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

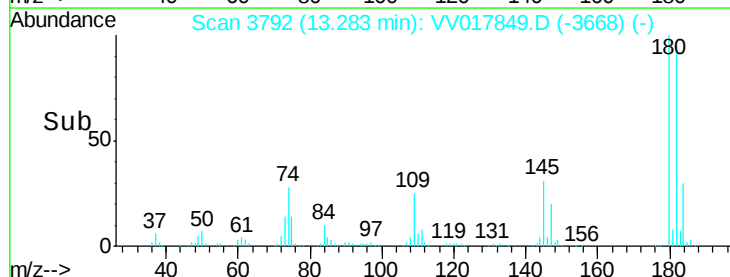
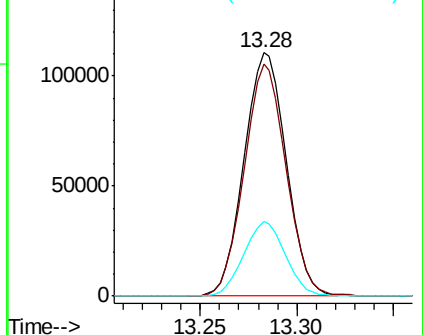
145 30.1 24.1 36.1

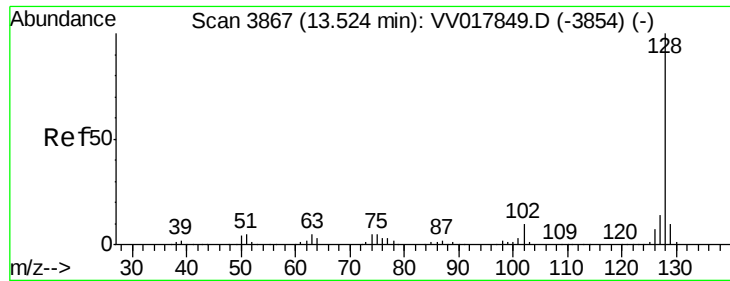


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.882 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

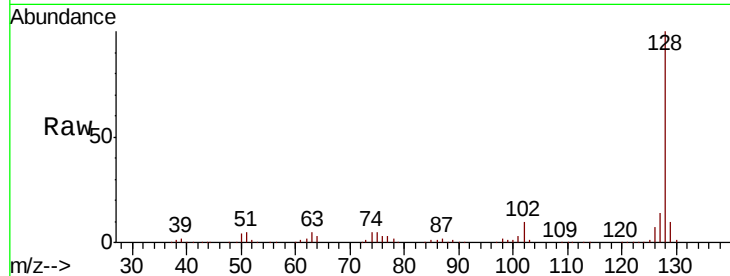
Tot Ion:128 Resp: 429443

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

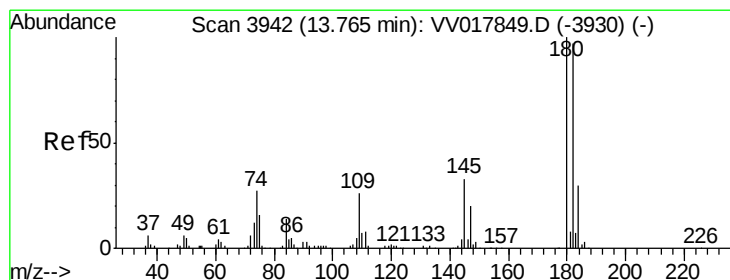
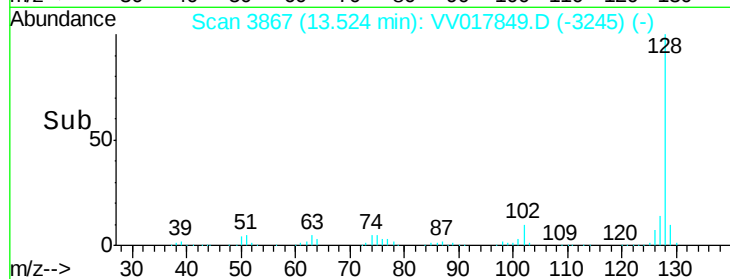
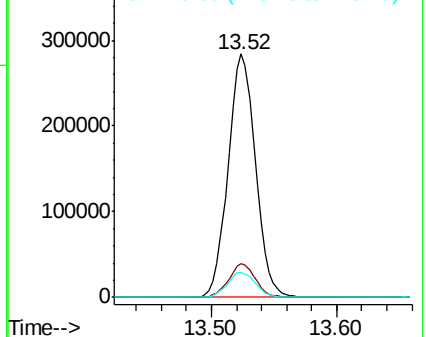
129 10.6 8.5 12.7



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: 53.303 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV017849.D

Acq: 08 Aug 2020 12:17

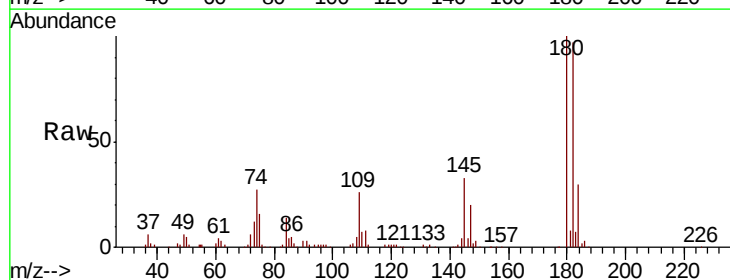
Tgt Ion:180 Resp: 167902

Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 32.6 26.1 39.1



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

