

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
 Data File : VV017746.D
 Acq On : 30 Jul 2020 12:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Quant Time: Jul 31 02:25:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 02:23:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	355978	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	333626	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	185611	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80585	46.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.84%
7) Chloroethane-d5	1.58	69	66671	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.96%
11) 1,1-Dichloroethene-d2	2.12	63	196172	47.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.06%
21) 2-Butanone-d5	3.91	46	128246	98.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.25%
24) Chloroform-d	4.37	84	223991	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
26) 1,2-Dichloroethane-d4	5.05	65	161197	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.04%
32) Benzene-d6	5.07	84	383950	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
36) 1,2-Dichloropropane-d6	6.09	67	106475	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.68%
41) Toluene-d8	7.34	98	377086	48.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%
43) trans-1,3-Dichloropropene-	7.64	79	68322	47.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.84%
47) 2-Hexanone-d5	8.11	63	96027	102.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.49%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	154535	46.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.90%
64) 1,2-Dichlorobenzene-d4	11.65	152	174496	47.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	168259	47.084	ug/L 100
3) Chloromethane	1.25	50	110032	46.142	ug/L 99
5) Vinyl chloride	1.32	62	117642	46.585	ug/L 100
6) Bromomethane	1.53	94	73918	49.211	ug/L 100
8) Chloroethane	1.59	64	69167	45.246	ug/L 97
9) Trichlorofluoromethane	1.76	101	241390	48.667	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	110555	48.174	ug/L 97
12) 1,1-Dichloroethene	2.13	96	102313	47.755	ug/L 92
13) Acetone	2.19	43	145860	87.988	ug/L 99
14) Carbon disulfide	2.31	76	310023	46.960	ug/L 100
15) Methyl Acetate	2.44	43	102450	47.520	ug/L 100
16) Methylene chloride	2.52	84	119189	47.179	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	110817	45.872	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	391204	49.266	ug/L 100
19) 1,1-Dichloroethane	3.21	63	198306	47.041	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	121911	47.245	ug/L 99
22) 2-Butanone	3.99	43	153879	99.933	ug/L 96

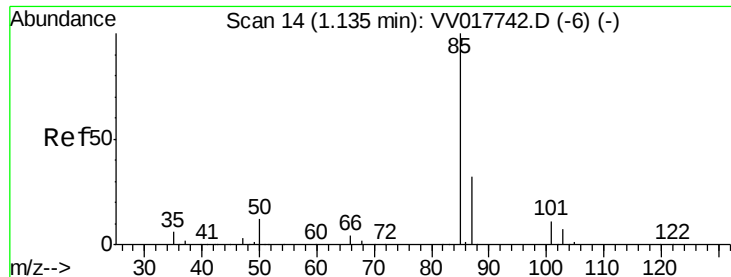
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	69306	47.541	uq/L	99
25) Chloroform	4.40	83	231771	47.441	uq/L	98
27) 1,2-Dichloroethane	5.15	62	207756	47.925	uq/L	98
29) Cyclohexane	4.70	56	169327	50.101	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	229489	47.712	uq/L	100
31) Carbon tetrachloride	4.86	117	213436	48.685	uq/L	99
33) Benzene	5.12	78	437573	48.357	uq/L	100
34) Trichloroethene	5.94	95	124206	48.296	uq/L	99
35) Methylcyclohexane	6.15	83	186779	49.508	uq/L	98
37) 1,2-Dichloropropane	6.20	63	105140	50.693	uq/L	99
38) Bromodichloromethane	6.53	83	177305	48.066	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	187495	49.231	uq/L	96
40) 4-Methyl-2-pentanone	7.24	43	281477	99.576	uq/L	100
42) Toluene	7.41	91	494764	49.220	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	204068	52.210	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	116905	49.491	uq/L	99
46) Tetrachloroethene	8.00	164	111159	48.785	uq/L	97
48) 2-Hexanone	8.16	43	228778	99.476	uq/L	98
49) Dibromochloromethane	8.27	129	150778	48.801	uq/L	98
50) 1,2-Dibromoethane	8.37	107	127992	49.762	uq/L	100
51) Chlorobenzene	8.90	112	333874	48.411	uq/L	99
52) Ethylbenzene	9.03	91	572897	49.745	uq/L	99
53) m,p-Xylene	9.16	106	218548	49.502	uq/L	96
54) o-xylene	9.56	106	212293	49.690	uq/L	99
55) Styrene	9.58	104	370312	49.831	uq/L	98
56) Isopropylbenzene	9.95	105	585173	50.042	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	166751	48.501	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	145314	48.145	uq/L	97
61) Bromoform	9.75	173	112613	49.114	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	289606	48.825	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	287085	47.634	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	292377	49.029	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	47386	50.849	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	231946	50.007	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	212439	52.773	uq/L	99
69) Naphthalene	13.52	128	573049	53.962	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	208204	52.149	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.084 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

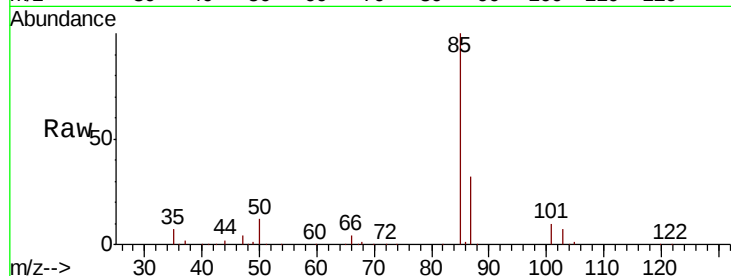
VSTD05087

Tot Ion: 85 Resp: 168259

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV017742.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017742.D (-6) (-)

1.14

200000

150000

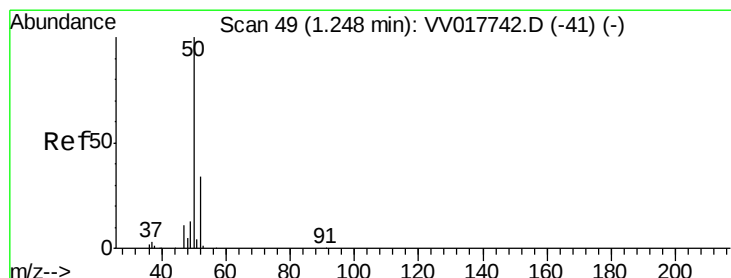
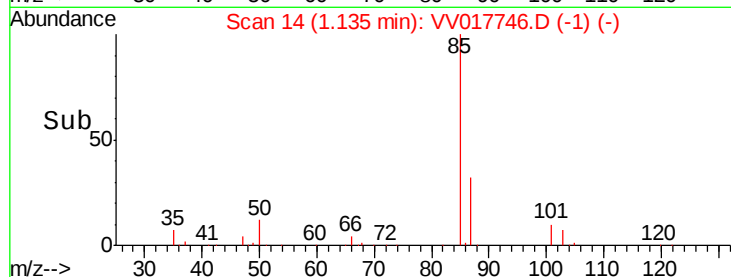
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 46.142 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017746.D

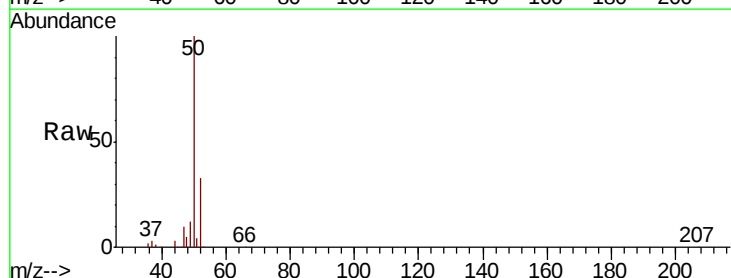
Acq: 30 Jul 2020 12:53

Tgt Ion: 50 Resp: 110032

Ion Ratio Lower Upper

50 100

52 33.1 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV017742.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV017742.D (-41) (-)

1.25

120000

100000

80000

60000

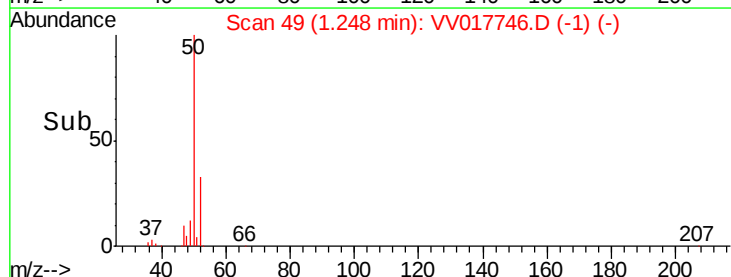
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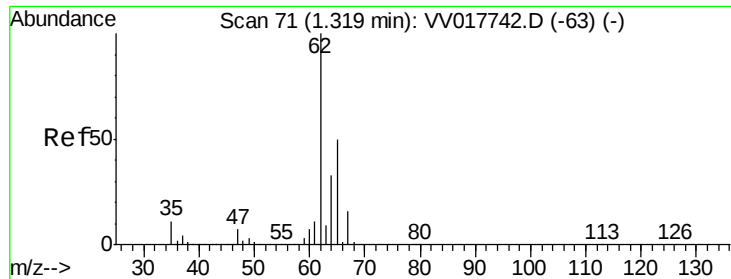
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 46.585 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

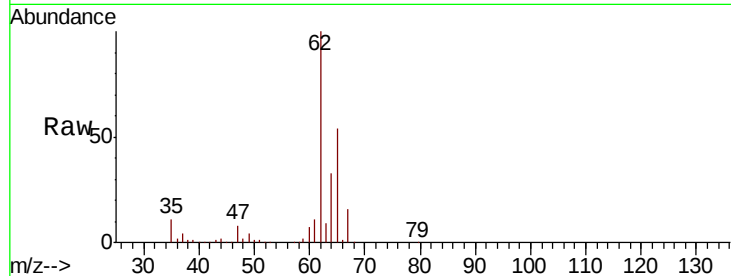
VSTD05087

Tot Ion: 62 Resp: 117642

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV017742.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV017746.D (-44) (-)

1.32

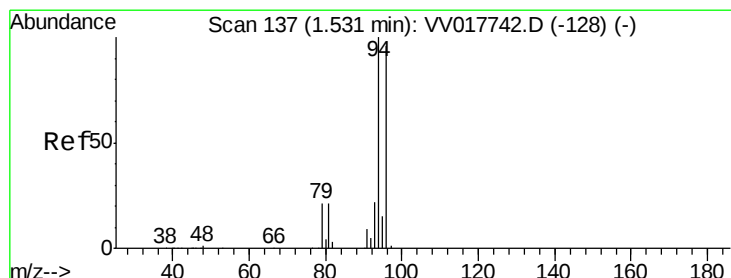
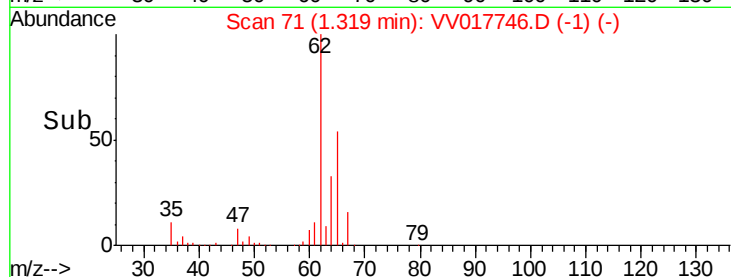
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 49.211 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017746.D

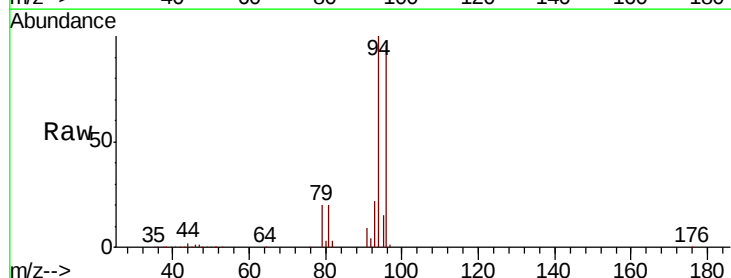
Acq: 30 Jul 2020 12:53

Tgt Ion: 94 Resp: 73918

Ion Ratio Lower Upper

94 100

96 96.0 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV017742.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV017746.D (-44) (-)

1.53

60000

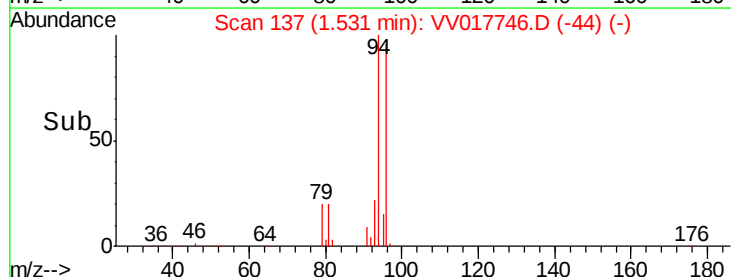
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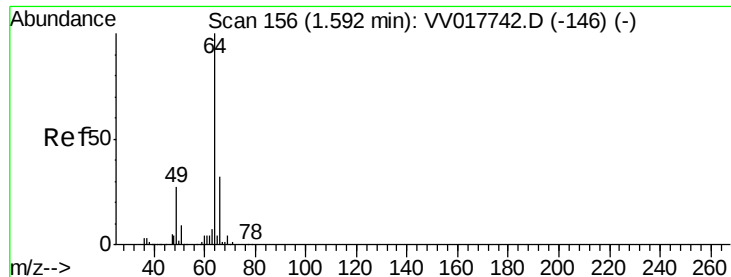
20000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 45.246 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

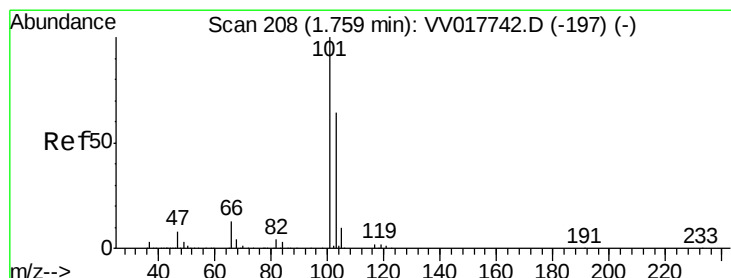
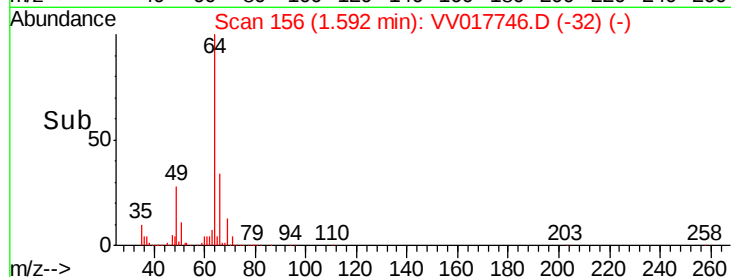
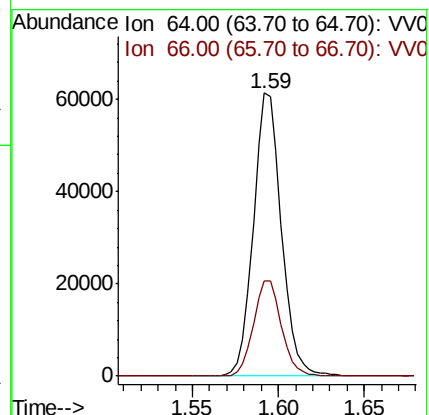
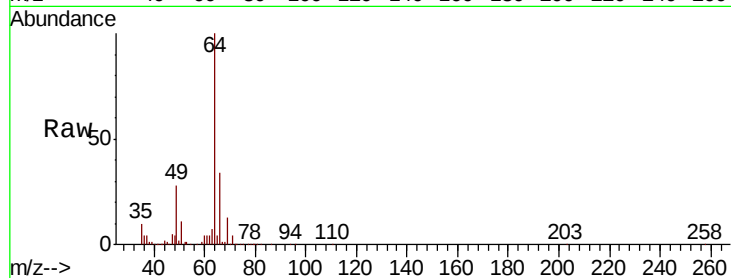
VSTD05087

Tot Ion: 64 Resp: 69167

Ion Ratio Lower Upper

64 100

66 33.7 22.3 41.3



#9

Trichlorofluoromethane

Concen: 48.667 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017746.D

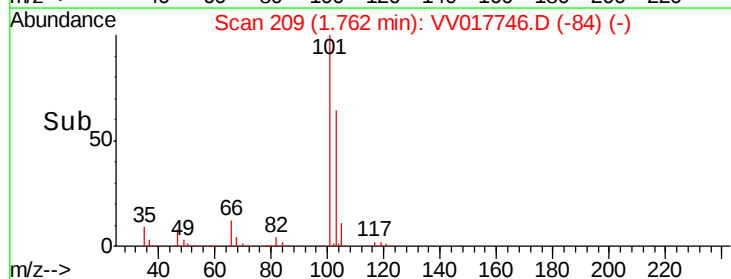
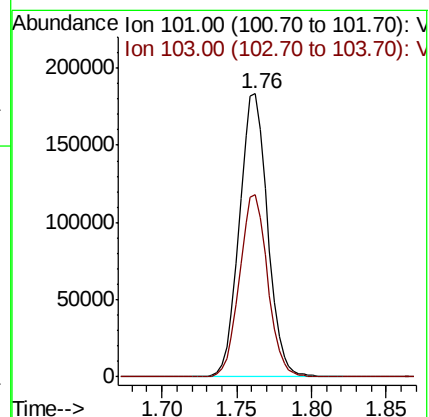
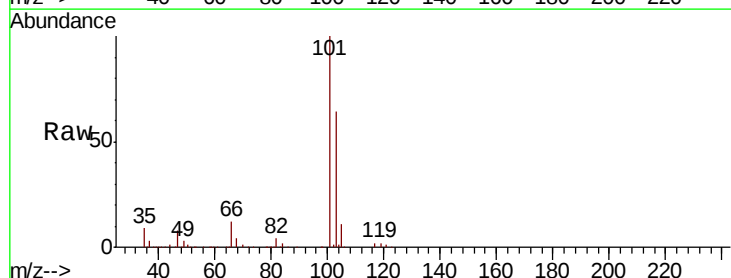
Acq: 30 Jul 2020 12:53

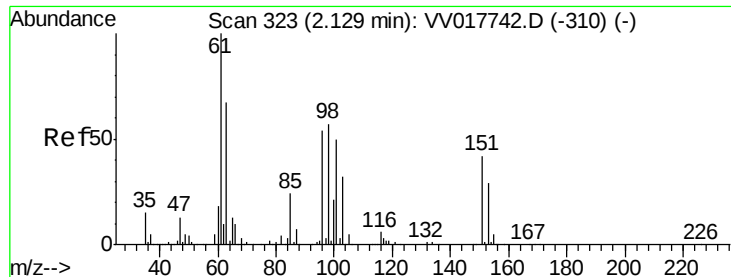
Tgt Ion: 101 Resp: 241390

Ion Ratio Lower Upper

101 100

103 64.1 51.6 77.4





#10

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

Concen: 48.174 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

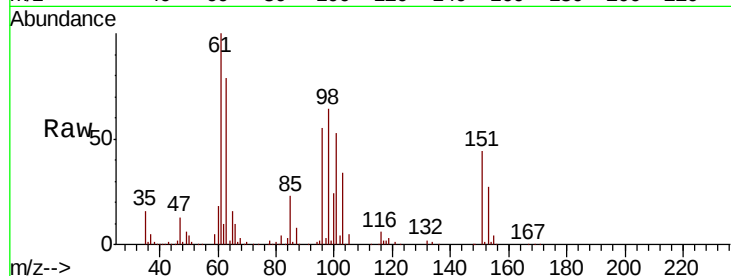
Tot Ion:101 Resp: 110555

Ion Ratio Lower Upper

101 100

85 44.3 37.2 55.8

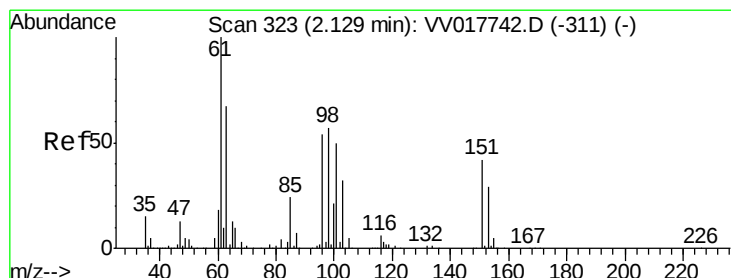
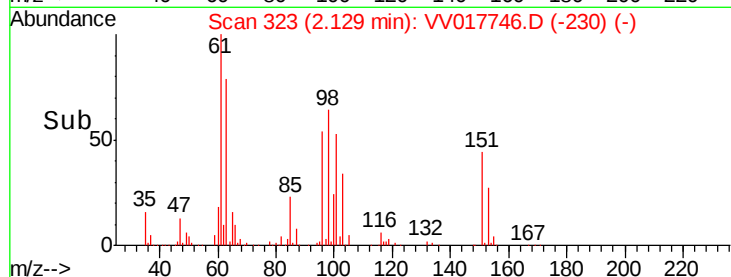
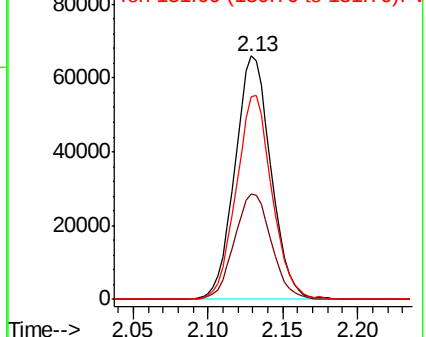
151 82.8 68.2 102.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.755 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

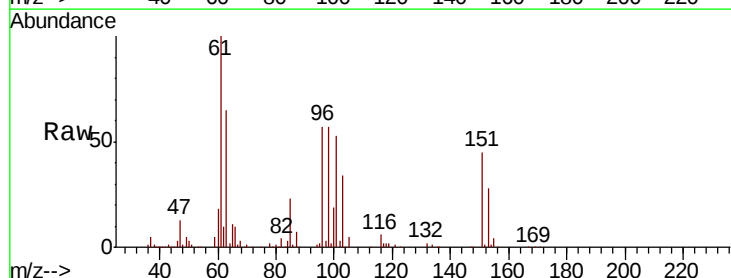
Tgt Ion: 96 Resp: 102313

Ion Ratio Lower Upper

96 100

61 176.9 131.0 243.2

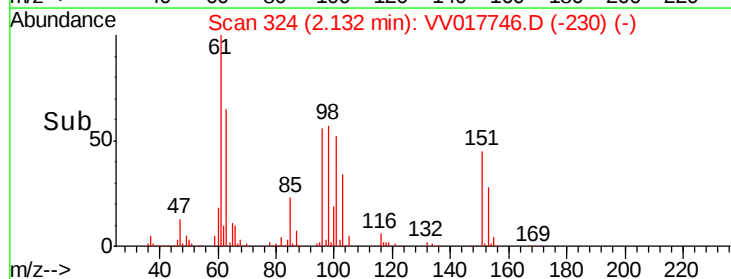
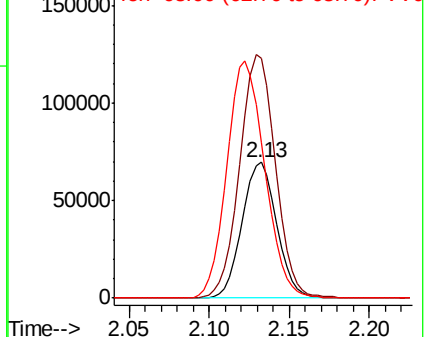
63 114.4 88.5 164.3

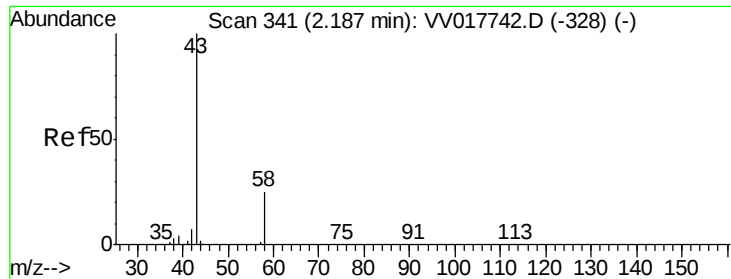


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 87.988 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

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ClientSampleId :

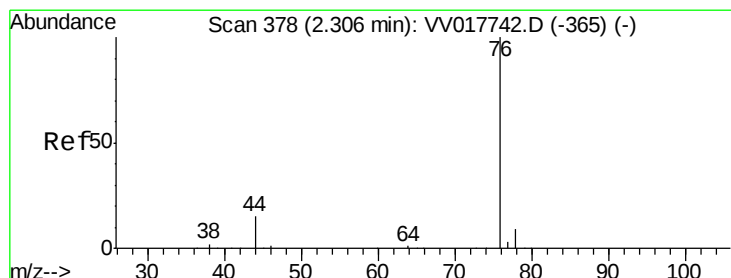
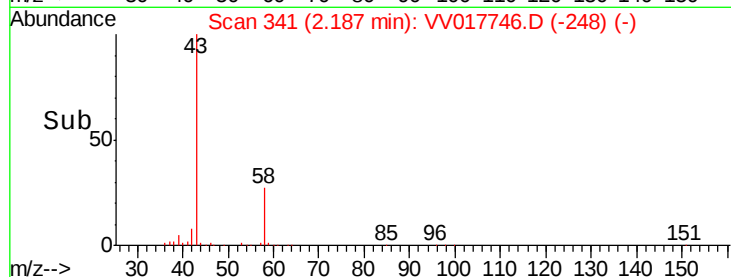
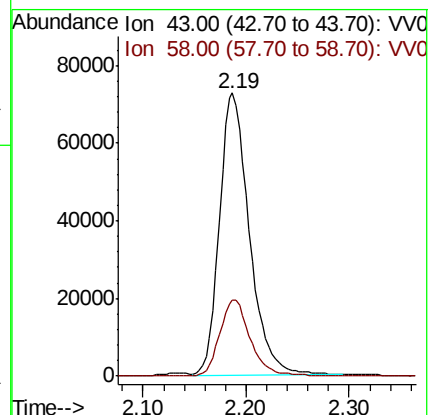
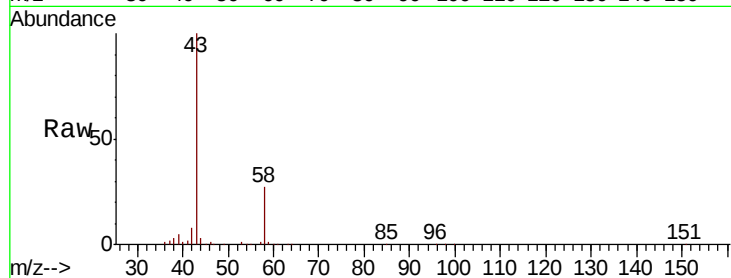
VSTD05087

Tot Ion: 43 Resp: 145860

Ion Ratio Lower Upper

43 100

58 26.7 0.0 52.6



#14

Carbon disulfide

Concen: 46.960 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017746.D

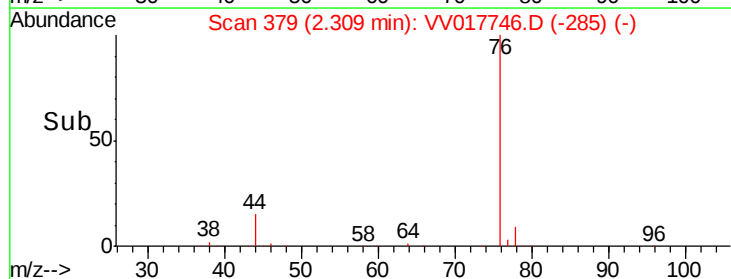
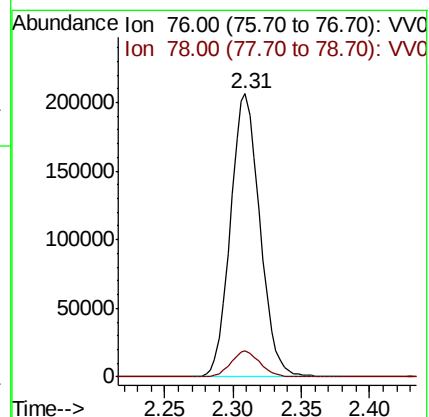
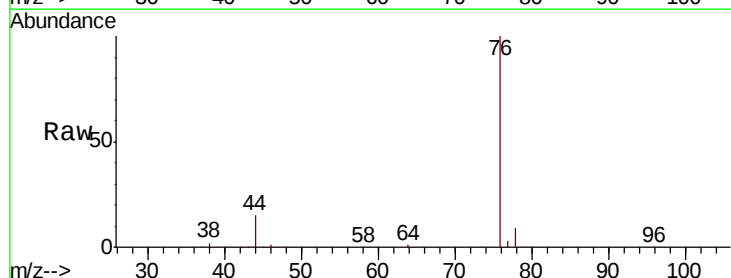
Acq: 30 Jul 2020 12:53

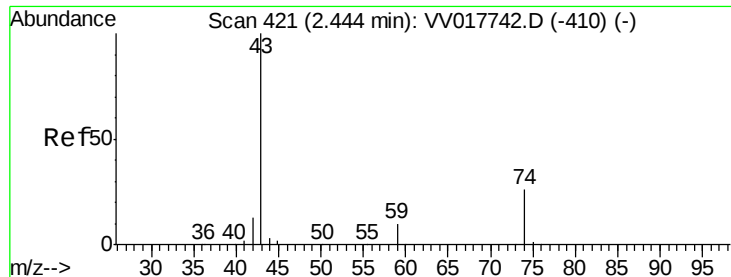
Tgt Ion: 76 Resp: 310023

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 47.520 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

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Acq: 30 Jul 2020 12:53

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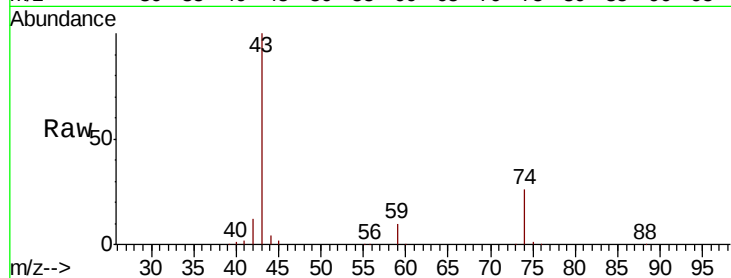
VSTD05087

Tot Ion: 43 Resp: 102450

Ion Ratio Lower Upper

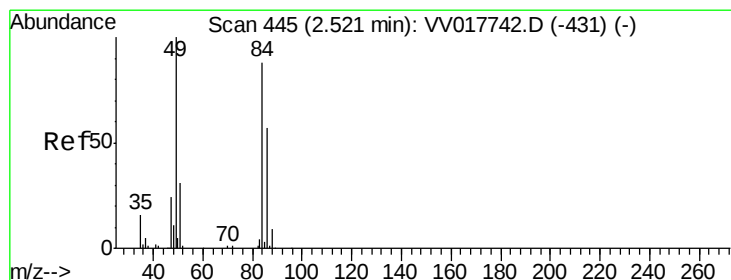
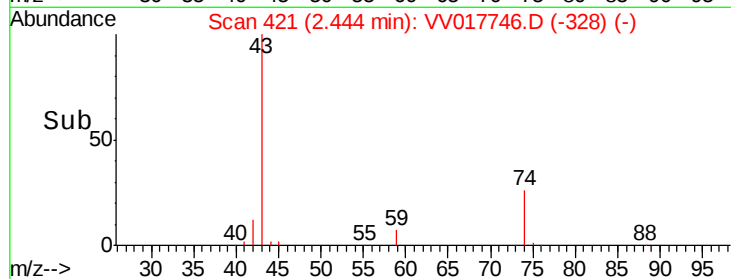
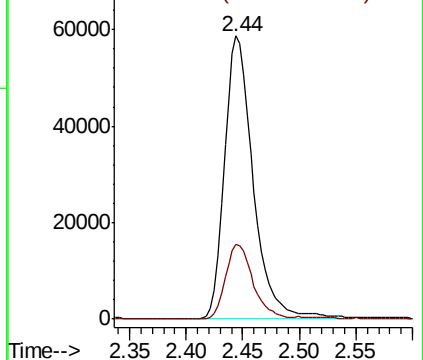
43 100

74 25.7 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 47.179 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

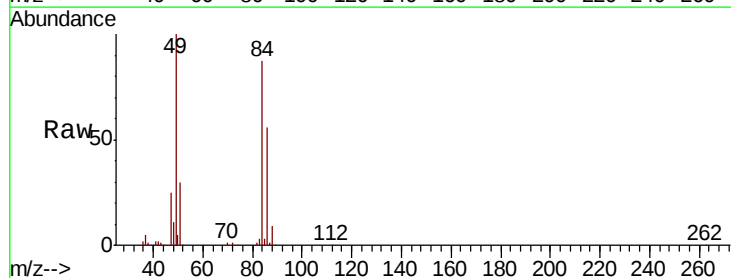
Tgt Ion: 84 Resp: 119189

Ion Ratio Lower Upper

84 100

86 64.6 45.4 84.4

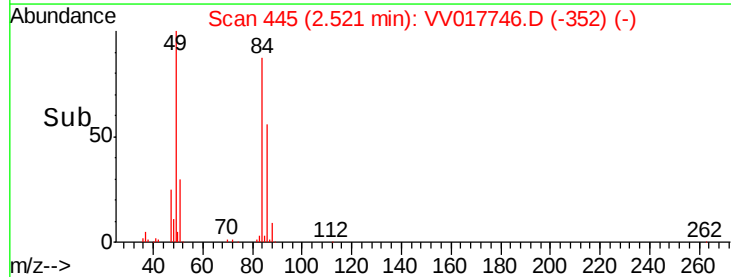
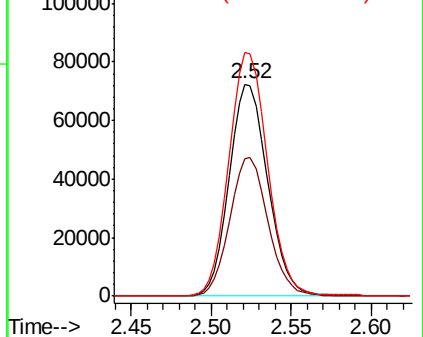
49 114.8 79.2 147.2

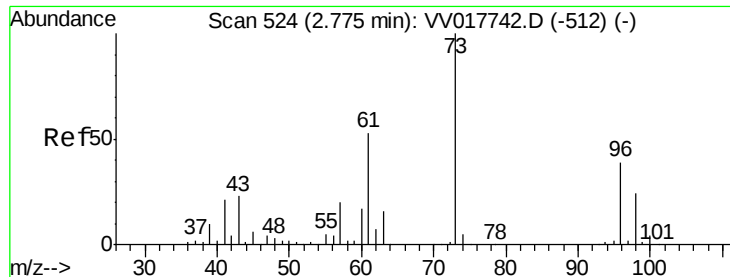


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

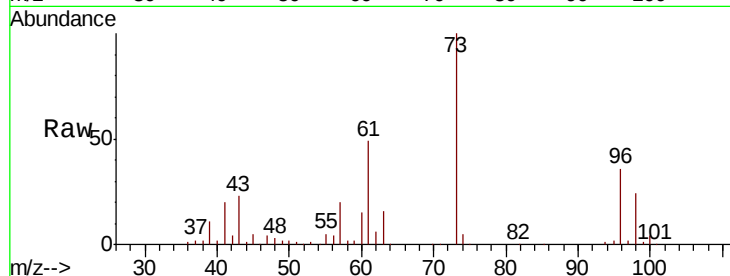




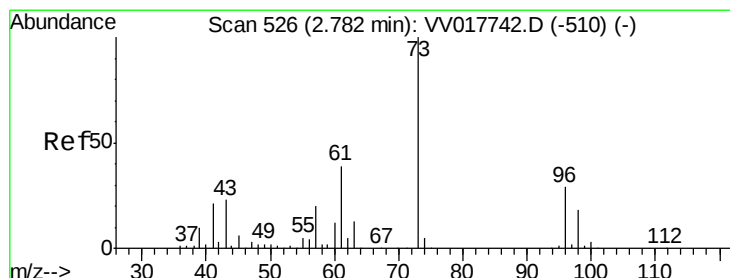
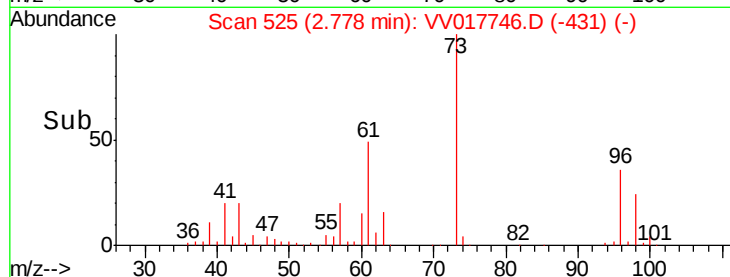
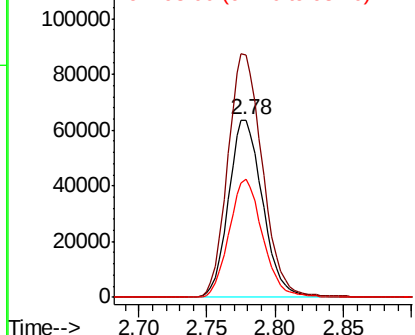
#17
trans-1,2-Dichloroethene
Concen: 45.872 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017746.D
Acq: 30 Jul 2020 12:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion: 96 Resp: 110817
Ion Ratio Lower Upper
96 100
61 136.5 96.2 178.8
98 66.2 43.2 80.2

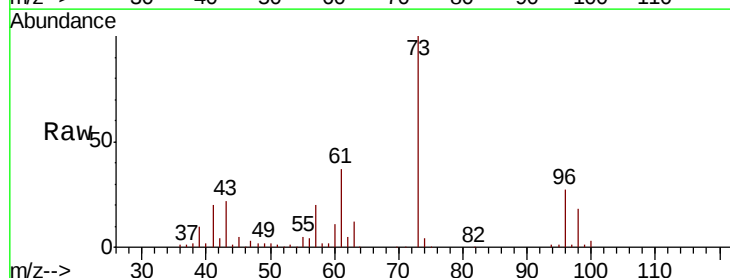


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

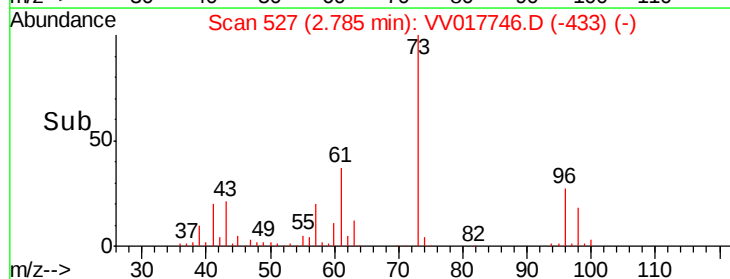
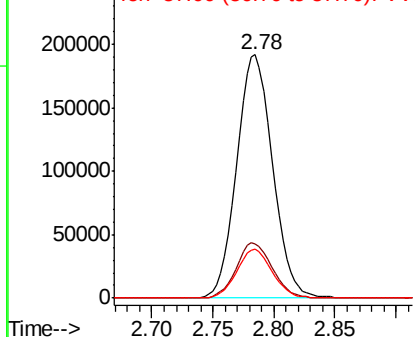


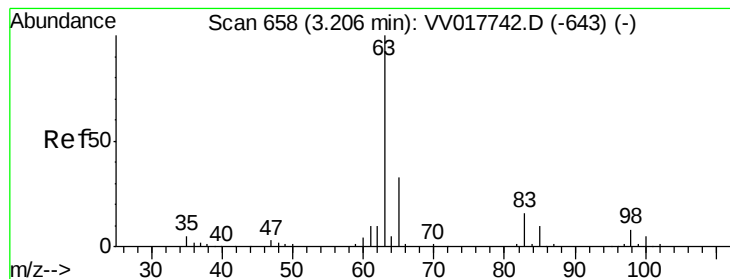
#18
Methyl tert-butyl Ether
Concen: 49.266 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV017746.D
Acq: 30 Jul 2020 12:53

Tgt Ion: 73 Resp: 391204
Ion Ratio Lower Upper
73 100
43 22.6 18.1 27.1
57 19.8 16.0 24.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 47.041 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

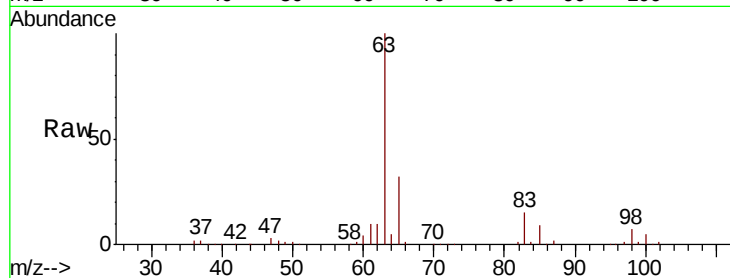
Tot Ion: 63 Resp: 198306

Ion Ratio Lower Upper

63 100

65 32.4 22.8 42.4

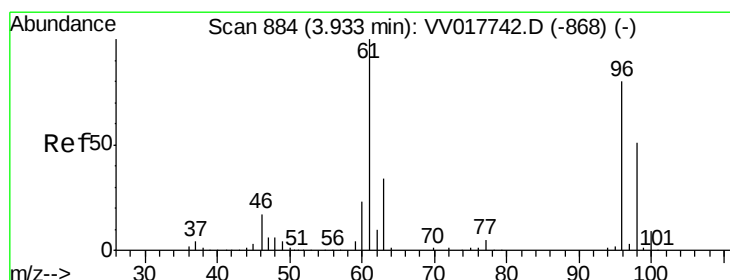
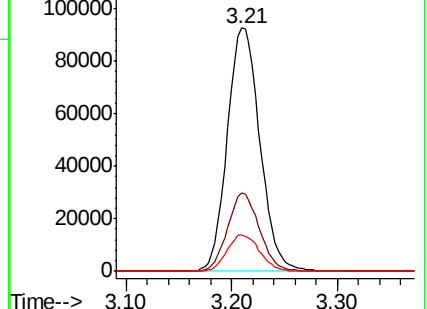
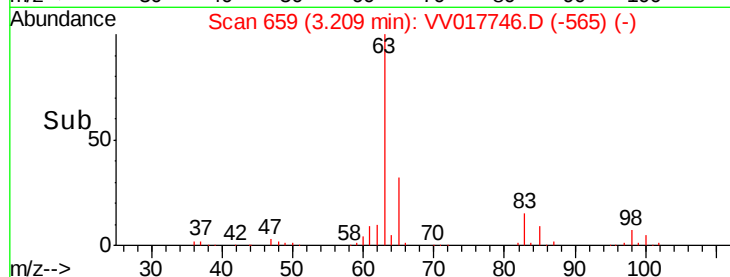
83 14.7 11.0 20.4



Abundance Ion 63.00 (62.70 to 63.70): VV017746.D (-643) (-)

Ion 65.00 (64.70 to 65.70): VV017746.D (-643) (-)

Ion 83.00 (82.70 to 83.70): VV017746.D (-643) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.245 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

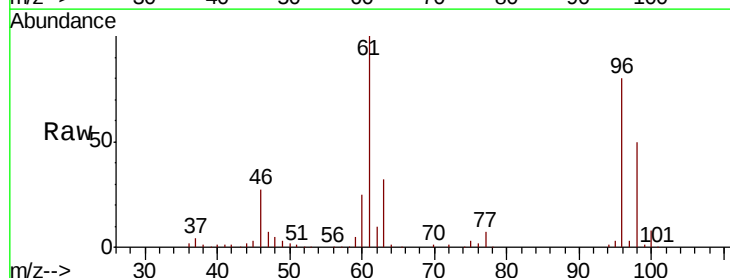
Tgt Ion: 96 Resp: 121911

Ion Ratio Lower Upper

96 100

61 125.6 87.3 162.1

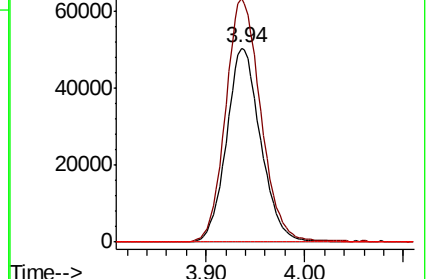
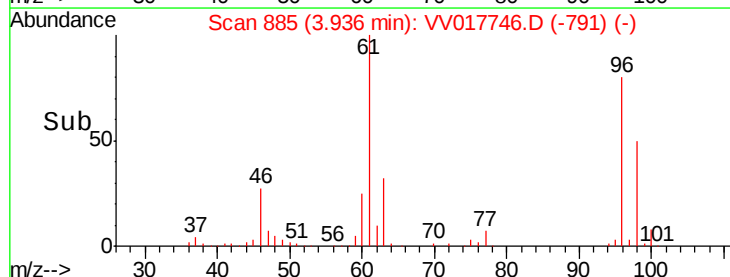
68 0.0 0.0 0.0

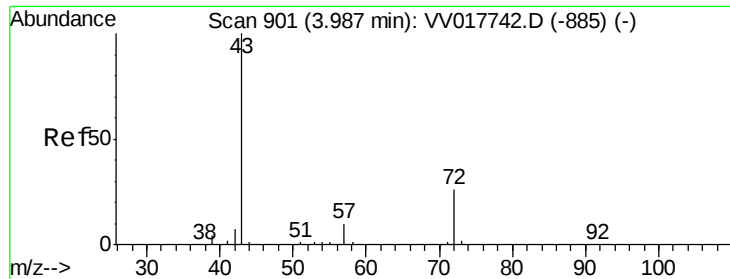


Abundance Ion 96.00 (95.70 to 96.70): VV017746.D (-791) (-)

Ion 61.00 (60.70 to 61.70): VV017746.D (-791) (-)

Ion 68.00 (67.70 to 68.70): VV017746.D (-791) (-)





#22

2-Butanone

Concen: 99.933 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

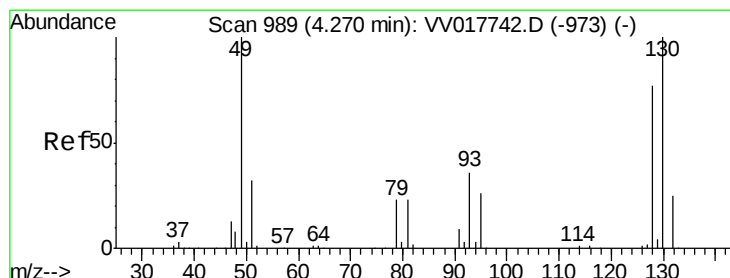
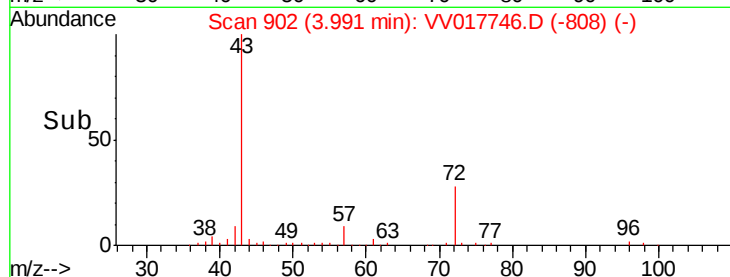
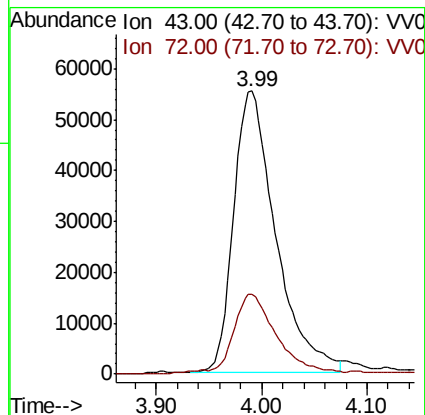
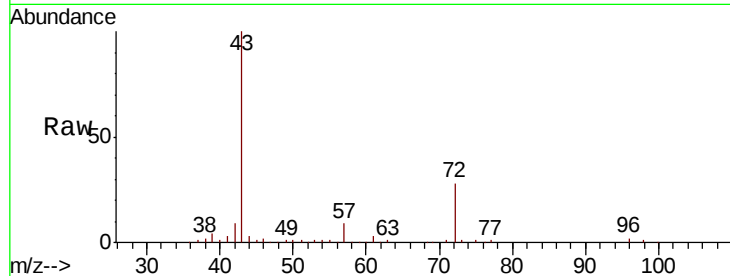
VSTD05087

Tot Ion: 43 Resp: 153879

Ion Ratio Lower Upper

43 100

72 27.8 13.0 39.0



#23

Bromochloromethane

Concen: 47.541 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Tgt Ion: 128 Resp: 69306

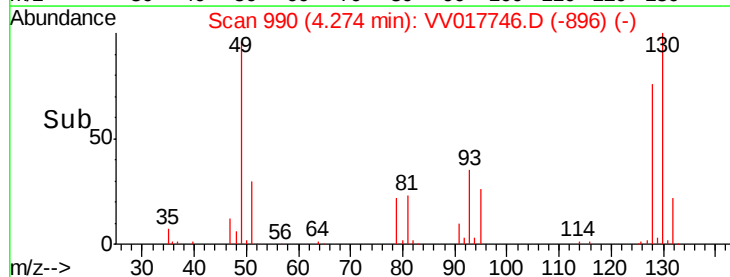
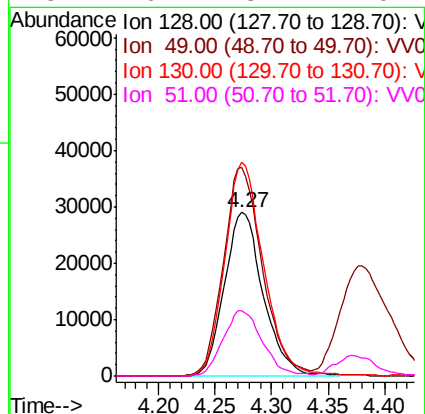
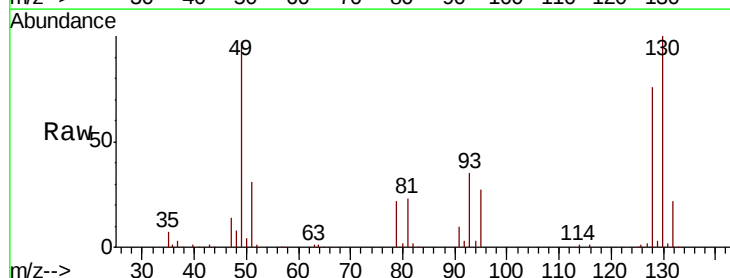
Ion Ratio Lower Upper

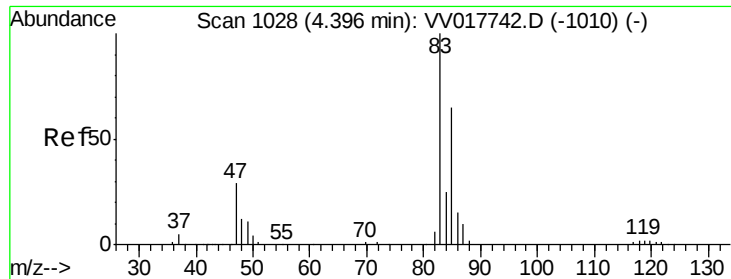
128 100

49 127.5 90.4 168.0

130 130.8 90.5 168.1

51 40.2 32.7 49.1

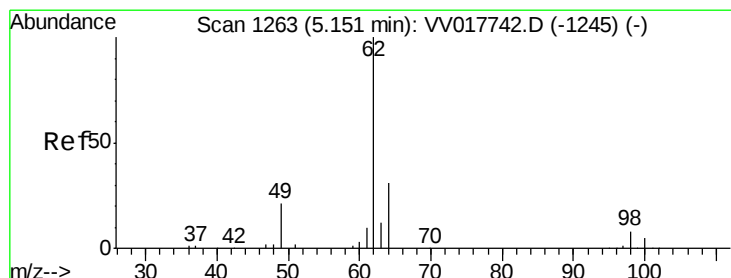
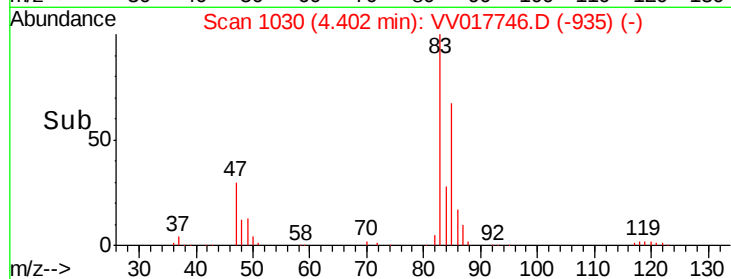
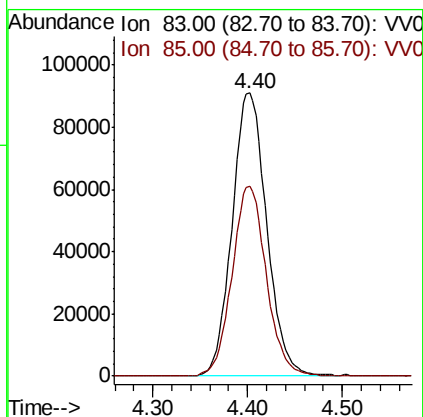
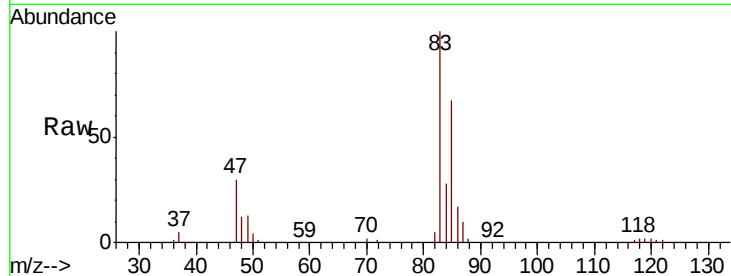




#25
Chloroform
Concen: 47.441 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV017746.D
Acq: 30 Jul 2020 12:53

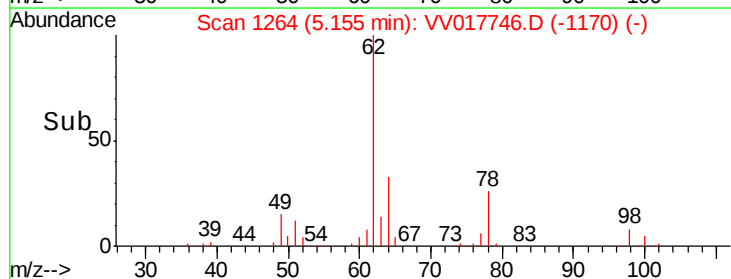
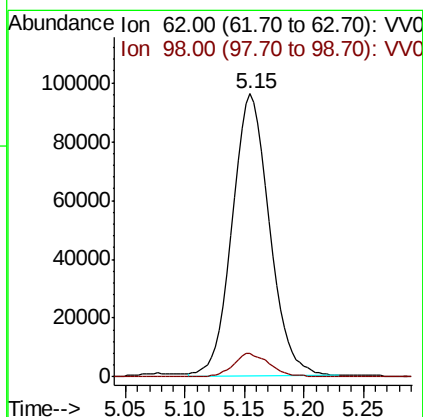
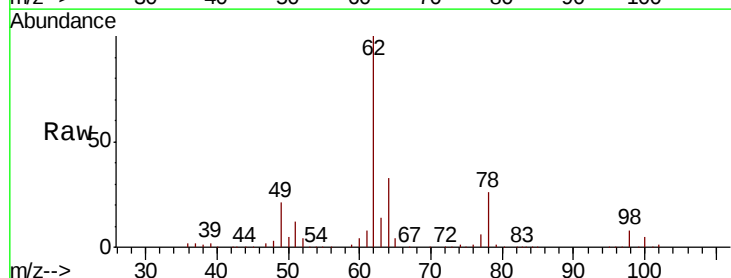
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

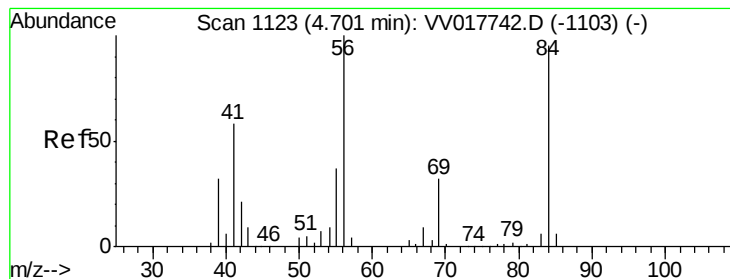
Tot Ion: 83 Resp: 231771
Ion Ratio Lower Upper
83 100
85 66.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 47.925 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017746.D
Acq: 30 Jul 2020 12:53

Tgt Ion: 62 Resp: 207756
Ion Ratio Lower Upper
62 100
98 8.1 6.0 9.0





#29

Cyclohexane

Concen: 50.101 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

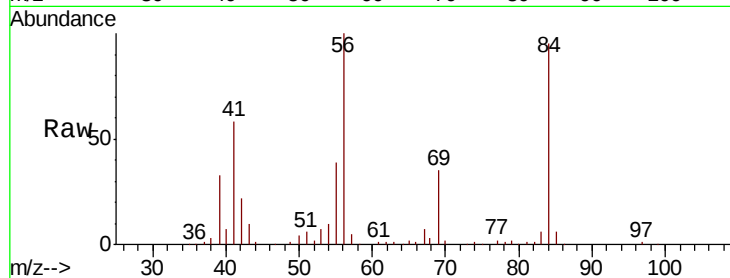
Tot Ion: 56 Resp: 169327

Ion Ratio Lower Upper

56 100

69 33.3 26.1 39.1

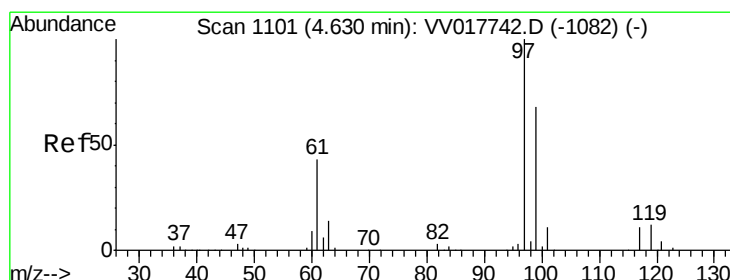
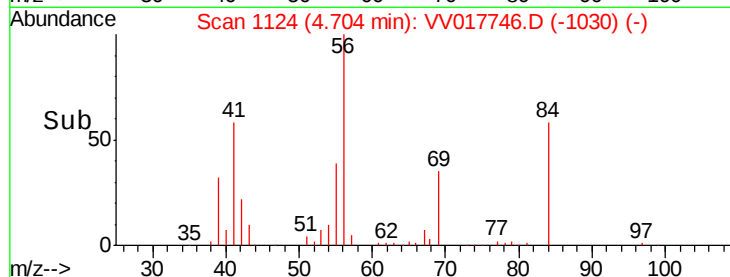
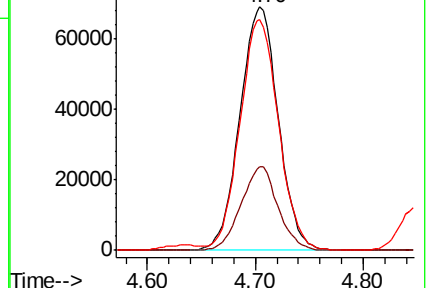
84 95.2 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VV017742.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV017742.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV017742.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 47.712 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

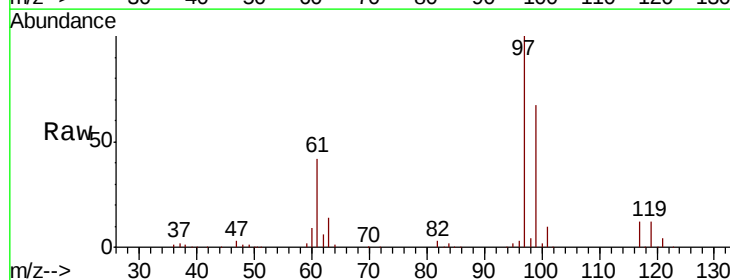
Tgt Ion: 97 Resp: 229489

Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

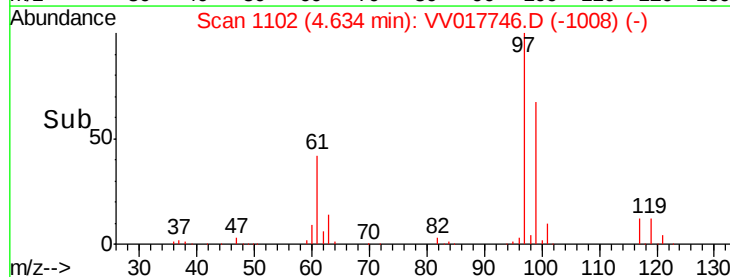
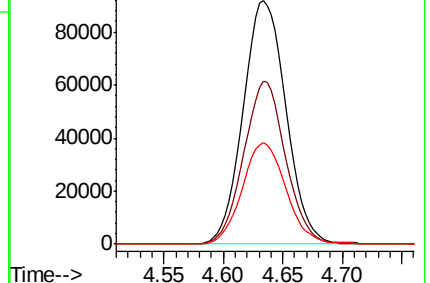
61 42.3 34.1 51.1

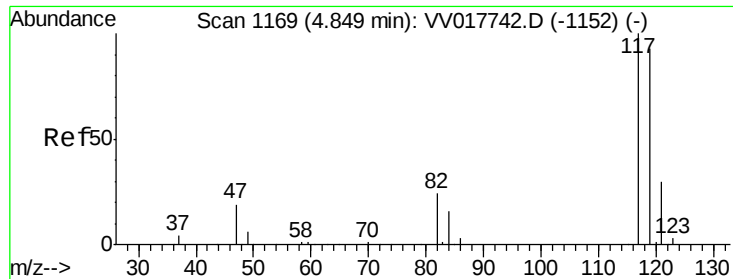


Abundance Ion 97.00 (96.70 to 97.70): VV017742.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV017742.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV017742.D (-1082) (-)

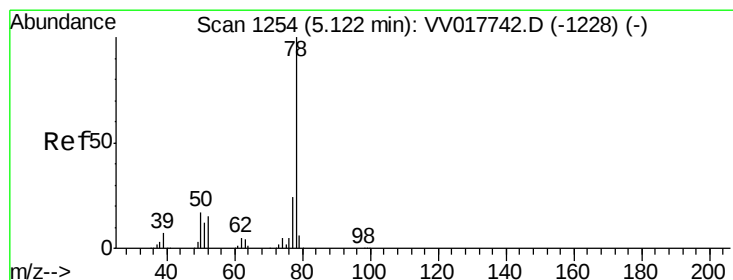
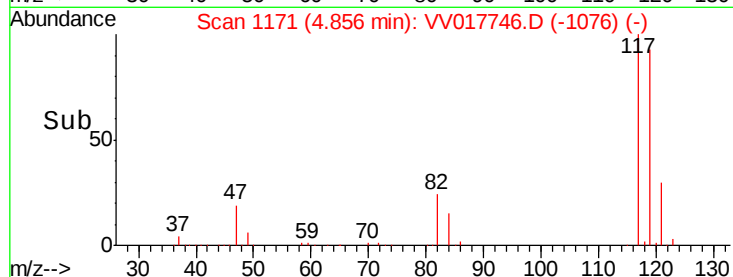
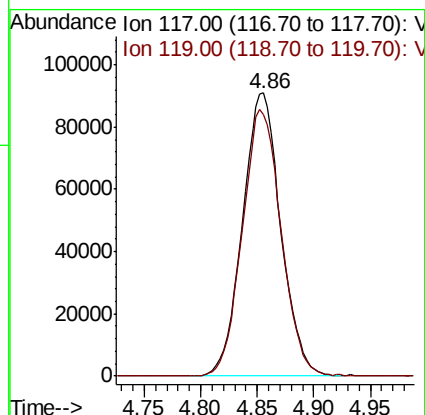
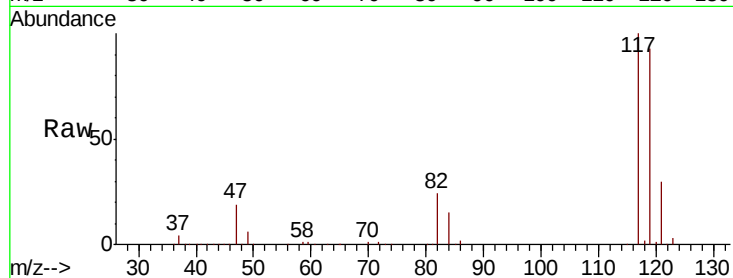




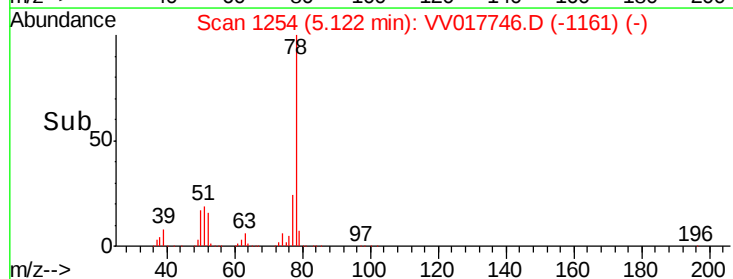
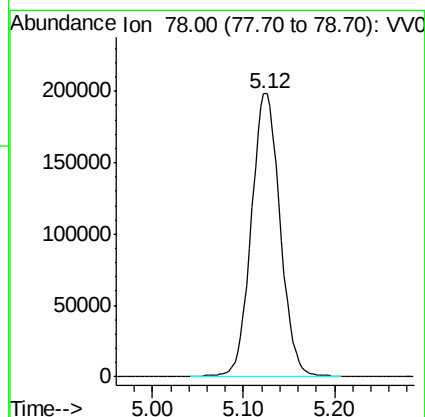
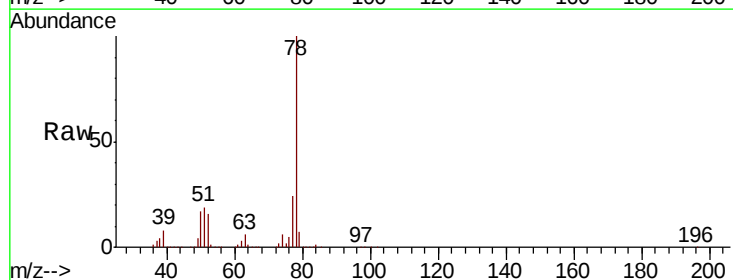
#31
Carbon tetrachloride
Concen: 48.685 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VV017746.D
Acq: 30 Jul 2020 12:53

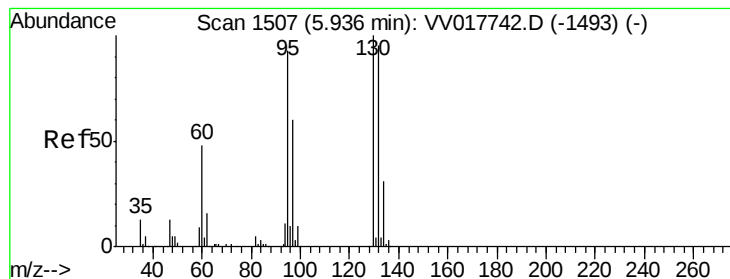
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion:117 Resp: 213436
Ion Ratio Lower Upper
117 100
119 95.7 77.6 116.4



#33
Benzene
Concen: 48.357 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV017746.D
Acq: 30 Jul 2020 12:53
Tgt Ion: 78 Resp: 437573





#34

Trichloroethene

Concen: 48.296 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

Tot Ion: 95 Resp: 124206

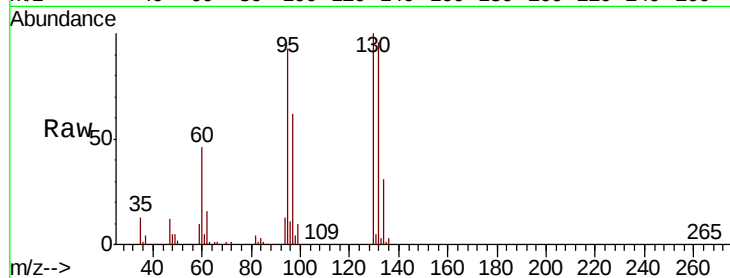
Ion Ratio Lower Upper

95 100

97 67.2 45.3 84.1

132 103.9 71.4 132.6

130 107.7 75.3 139.9

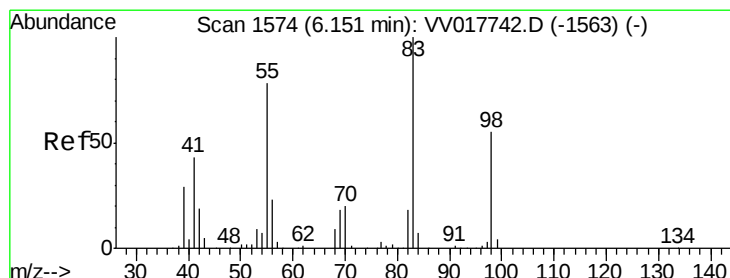
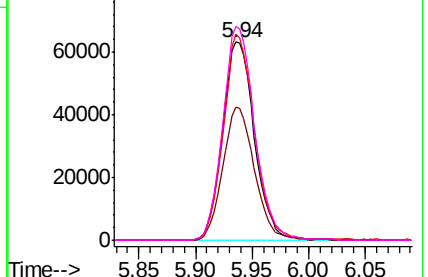
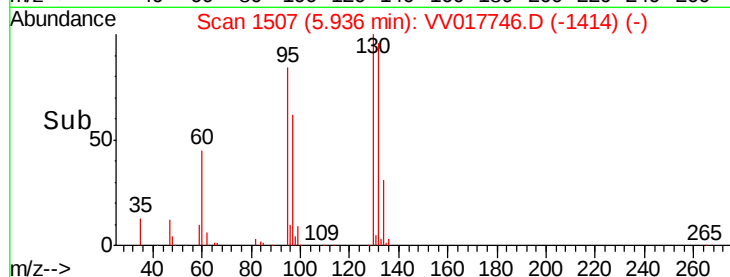


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.508 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

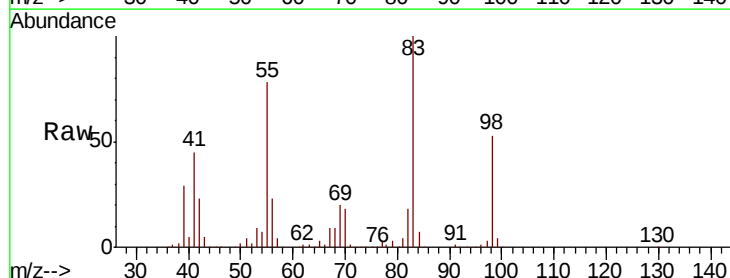
Tgt Ion: 83 Resp: 186779

Ion Ratio Lower Upper

83 100

55 76.3 59.4 89.2

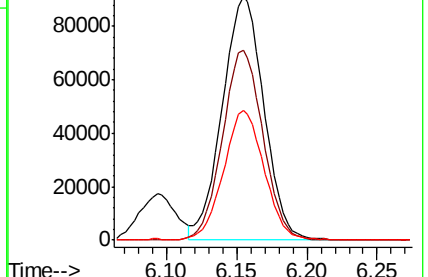
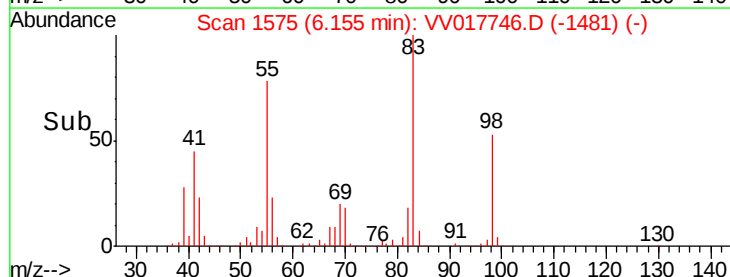
98 52.4 41.2 61.8

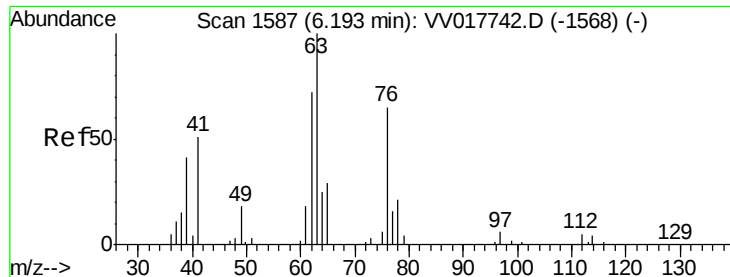


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

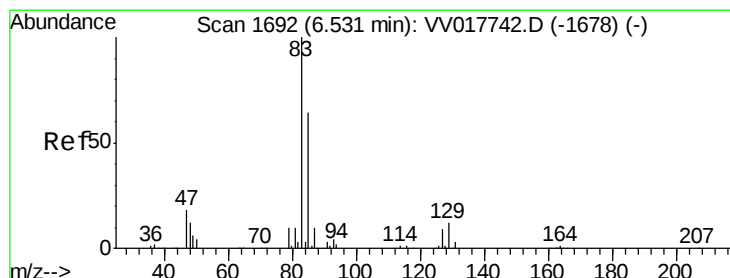
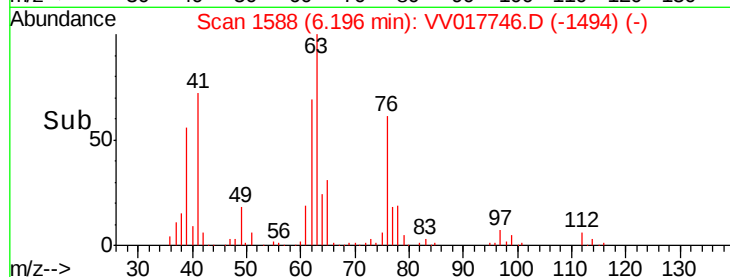
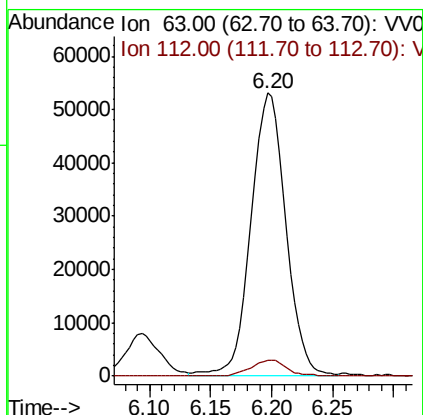
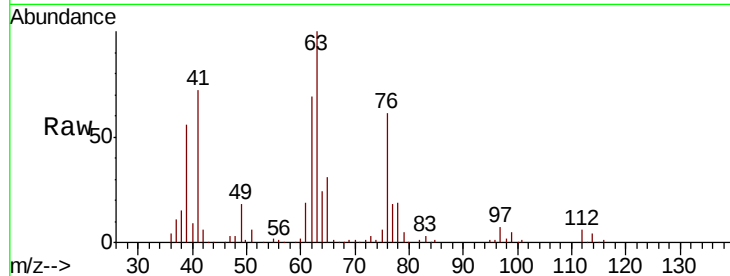




#37
 1,2-Dichloropropane
 Concen: 50.693 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

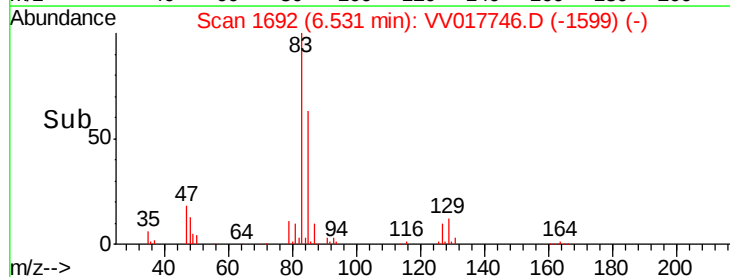
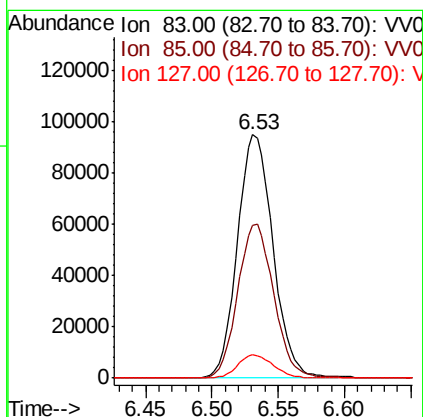
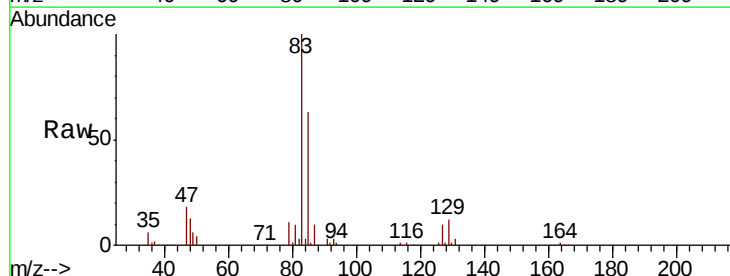
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

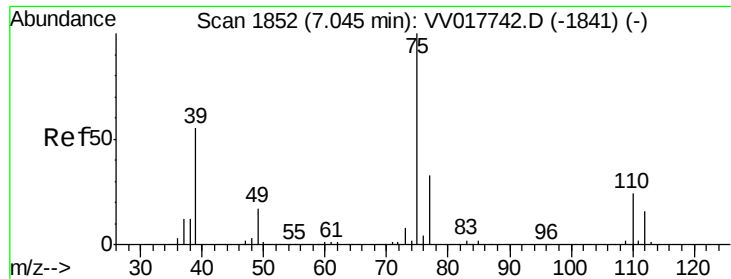
Tot Ion: 63 Resp: 105140
 Ion Ratio Lower Upper
 63 100
 112 6.0 4.6 6.8



#38
 Bromodichloromethane
 Concen: 48.066 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

Tgt Ion: 83 Resp: 177305
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.8 83.2
 127 9.6 7.4 11.0

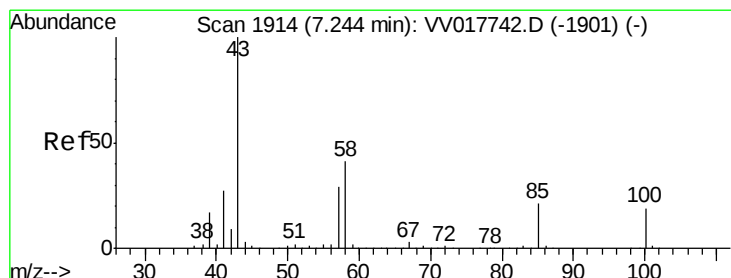
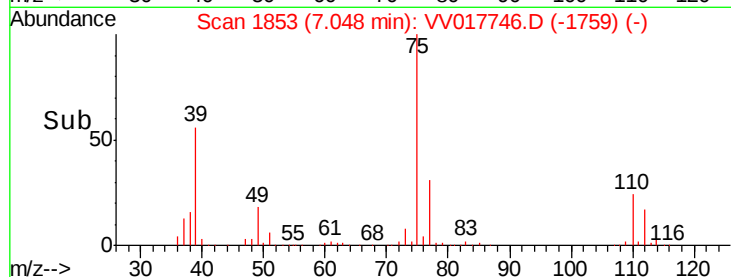
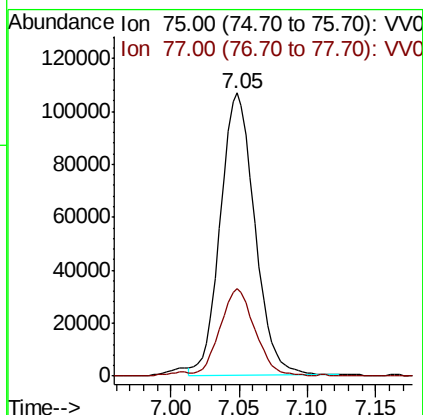
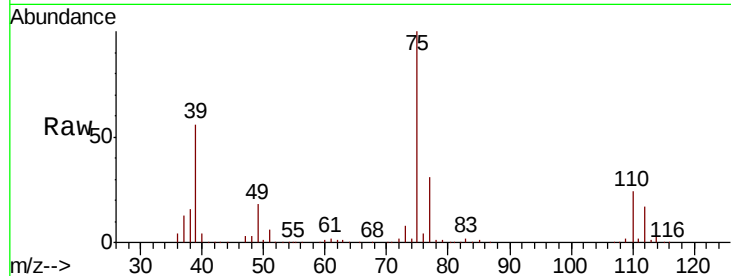




#39
 cis-1,3-Dichloropropene
 Concen: 49.231 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

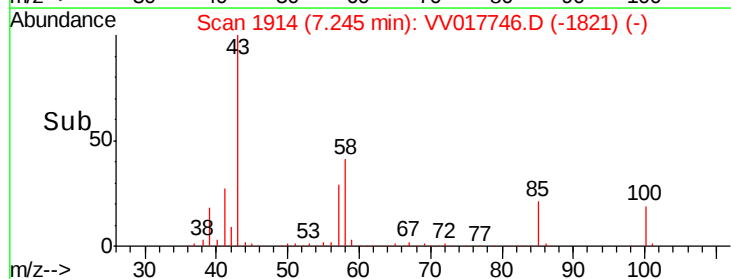
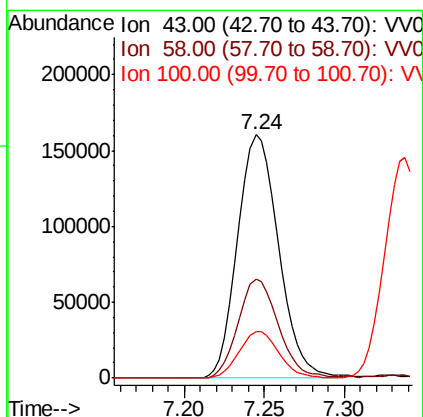
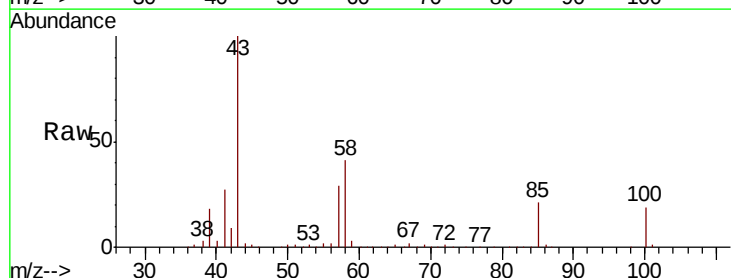
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

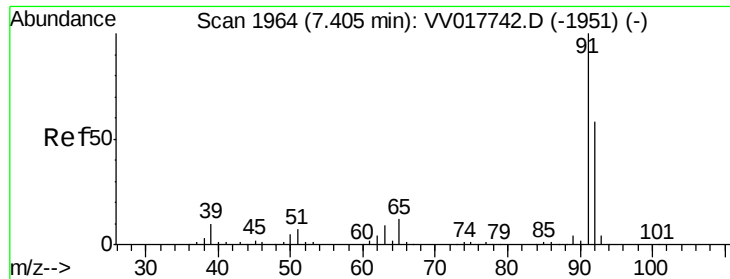
Tot Ion: 75 Resp: 187495
 Ion Ratio Lower Upper
 75 100
 77 30.7 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 99.576 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

Tgt Ion: 43 Resp: 281477
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.4 48.6
 100 18.7 14.9 22.3





#42

Toluene

Concen: 49.220 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

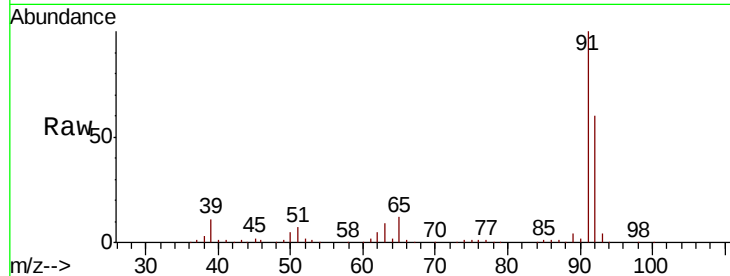
VSTD05087

Tot Ion: 91 Resp: 494764

Ion Ratio Lower Upper

91 100

92 60.1 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV017746.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV017746.D (-1951) (-)

7.41

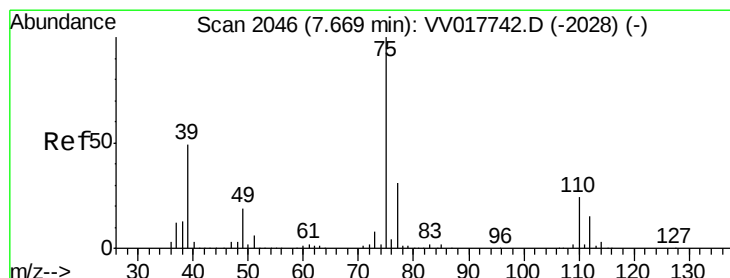
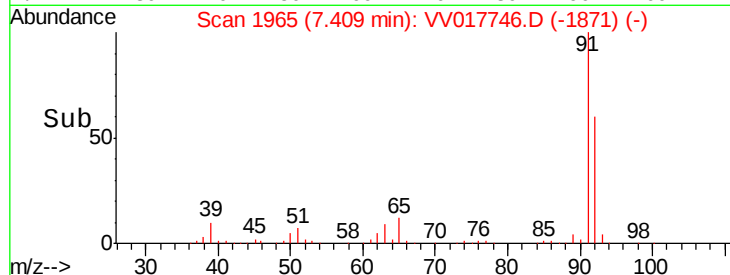
300000

200000

100000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 52.210 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017746.D

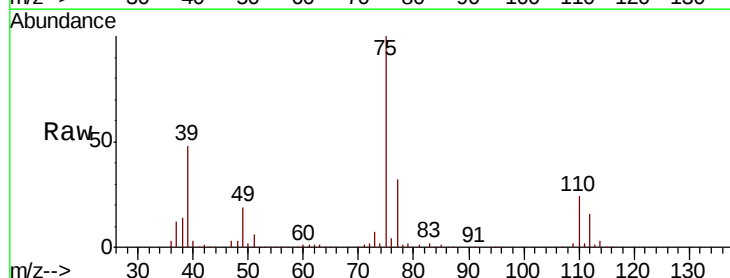
Acq: 30 Jul 2020 12:53

Tgt Ion: 75 Resp: 204068

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV017746.D (-1953) (-)

Ion 77.00 (76.70 to 77.70): VV017746.D (-1953) (-)

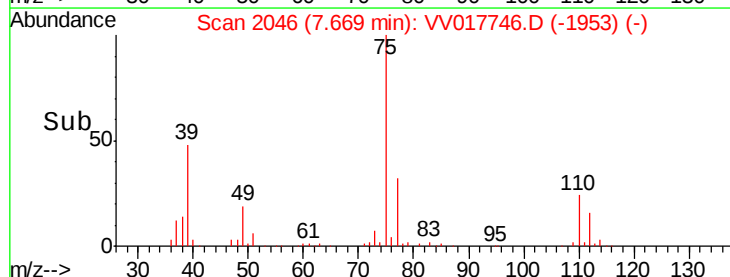
7.67

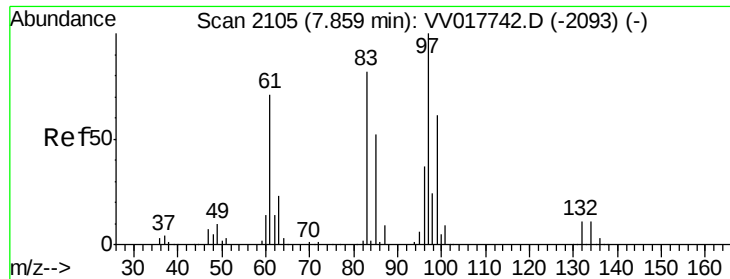
100000

50000

0

Time--> 7.60 7.70 7.80

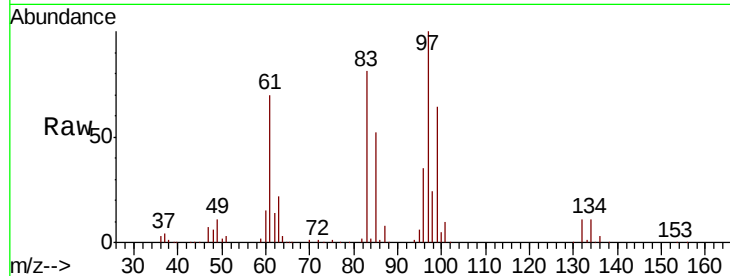




#45
 1,1,2-Trichloroethane
 Concen: 49.491 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05087

Tot Ion:	97	Resp:	116905
Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.0	80.0
83	81.4	57.3	106.5
85	52.1	36.6	68.0



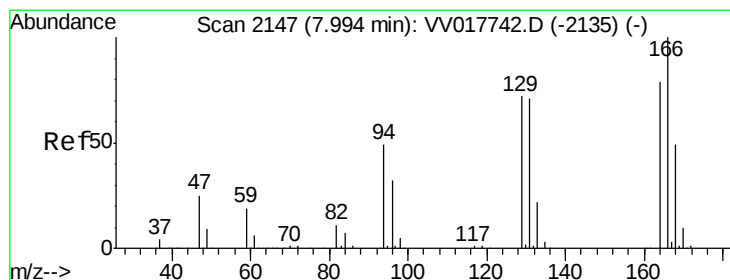
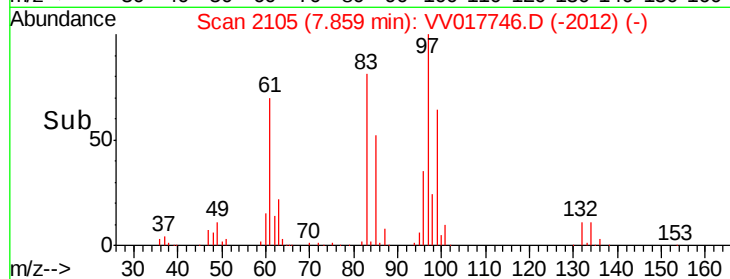
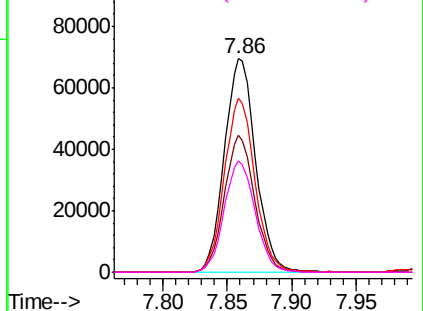
Abundance

Ion 97.00 (96.70 to 97.70): VV017746.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV017746.D (-2093) (-)

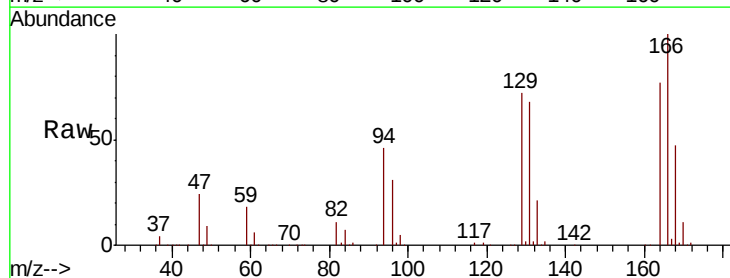
Ion 83.00 (82.70 to 83.70): VV017746.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV017746.D (-2093) (-)



#46
 Tetrachloroethene
 Concen: 48.785 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

Tgt Ion:	164	Resp:	111159
Ion	Ratio	Lower	Upper
164	100		
129	93.9	63.9	118.7
131	88.7	62.6	116.3
166	130.4	88.3	164.1



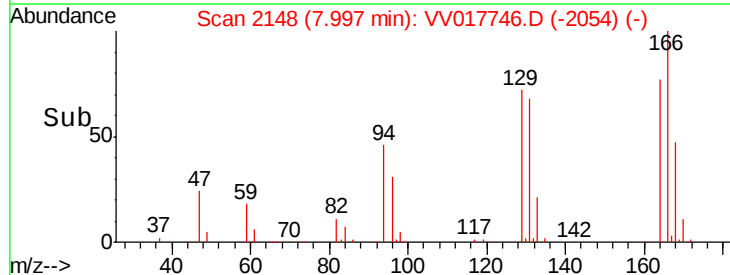
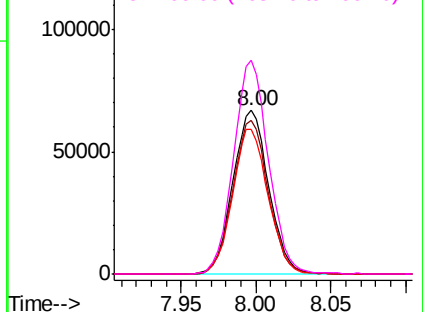
Abundance

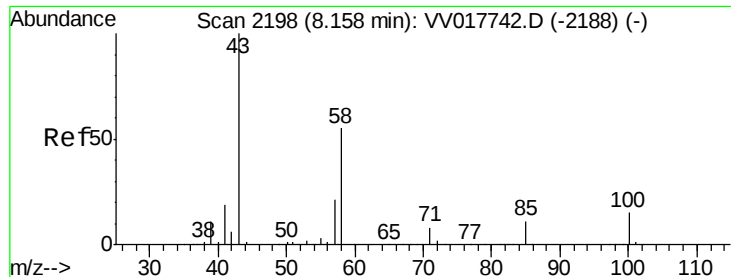
Ion 164.00 (163.70 to 164.70): VV017746.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV017746.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV017746.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV017746.D (-2054) (-)

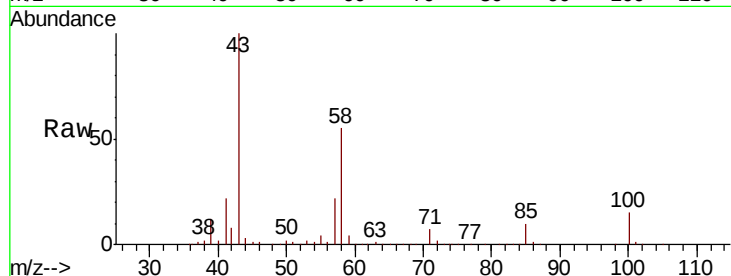




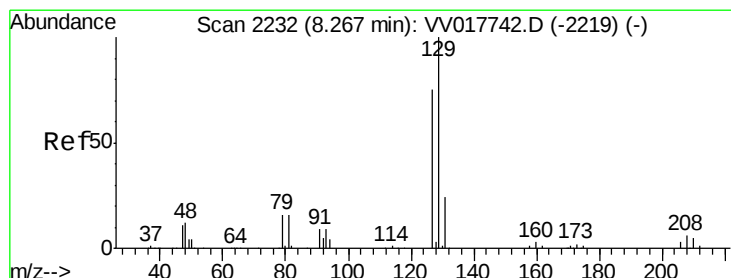
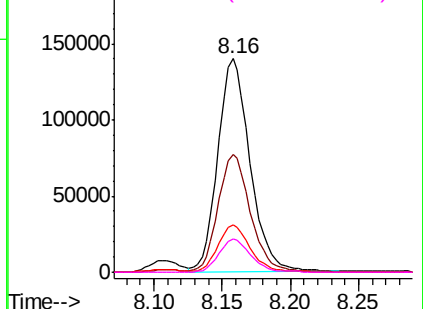
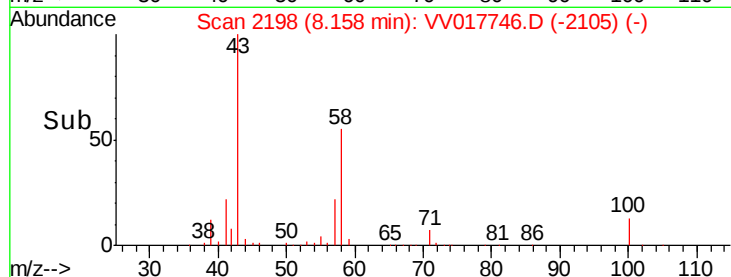
#48
2-Hexanone
Concen: 99.476 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017746.D
Acq: 30 Jul 2020 12:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion: 43 Resp: 228778
Ion Ratio Lower Upper
43 100
58 54.8 42.8 64.2
57 22.6 16.6 24.8
100 15.4 11.6 17.4

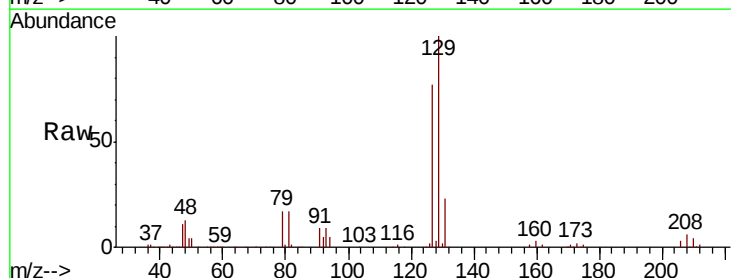


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

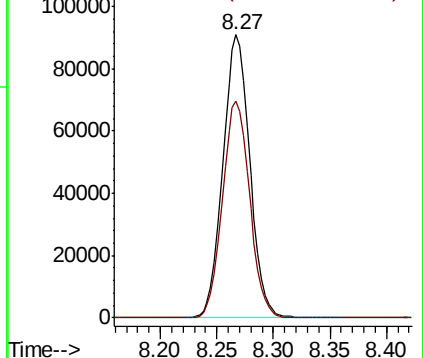
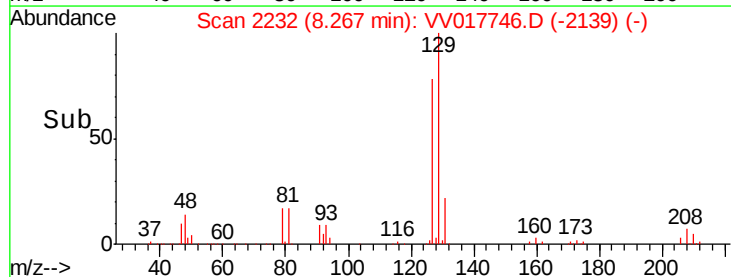


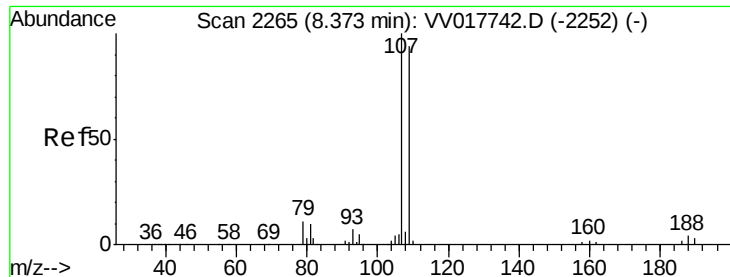
#49
Dibromochloromethane
Concen: 48.801 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017746.D
Acq: 30 Jul 2020 12:53

Tgt Ion: 129 Resp: 150778
Ion Ratio Lower Upper
129 100
127 76.6 52.6 97.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

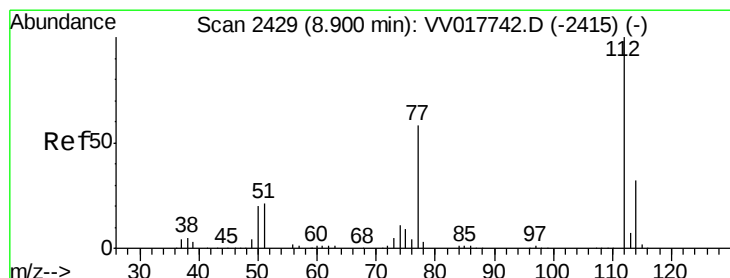
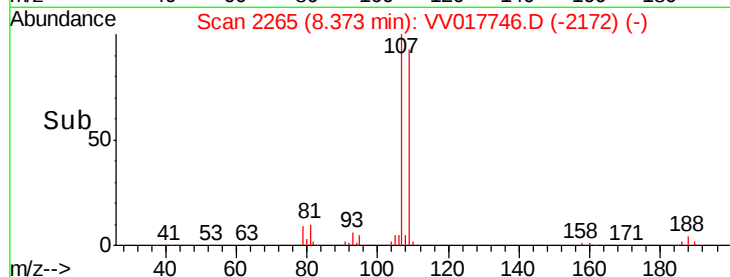
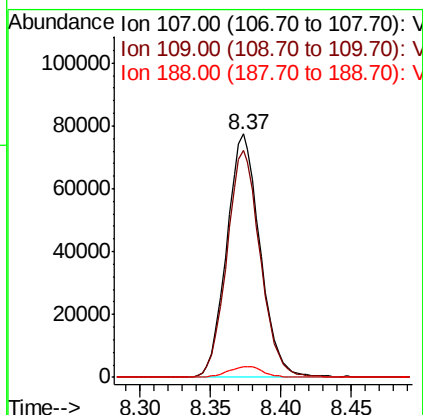
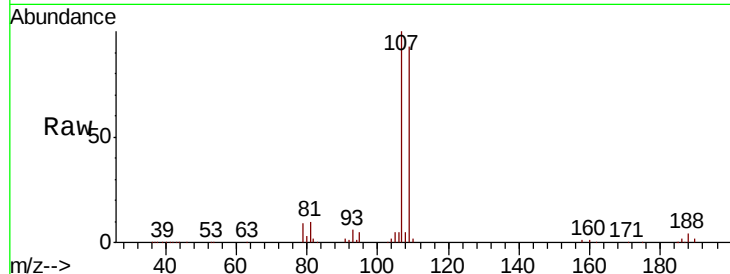




#50
 1,2-Dibromoethane
 Concen: 49.762 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

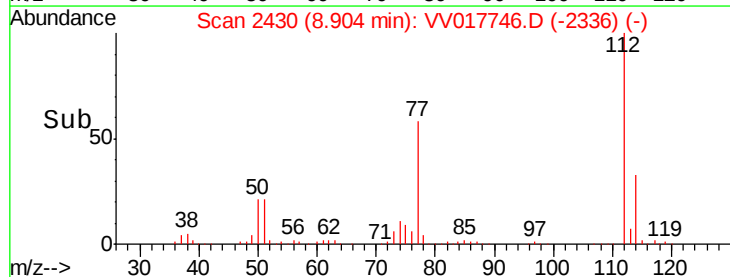
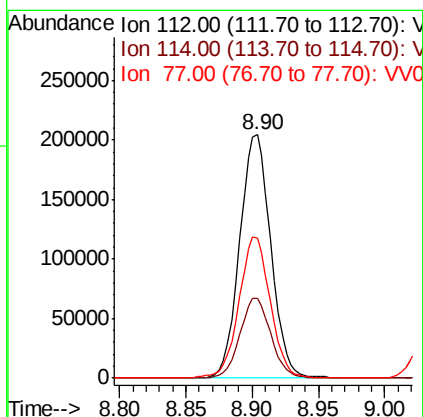
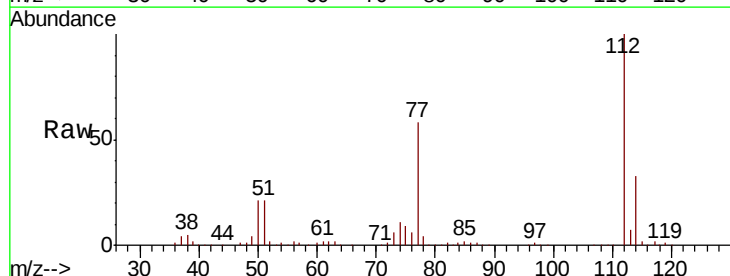
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

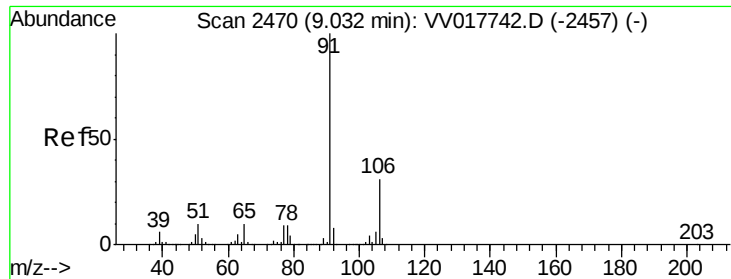
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.5	121.7
188	4.5	3.6	5.4



#51
 Chlorobenzene
 Concen: 48.411 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.7	42.1
77	57.6	46.6	70.0





#52

Ethylbenzene

Concen: 49.745 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

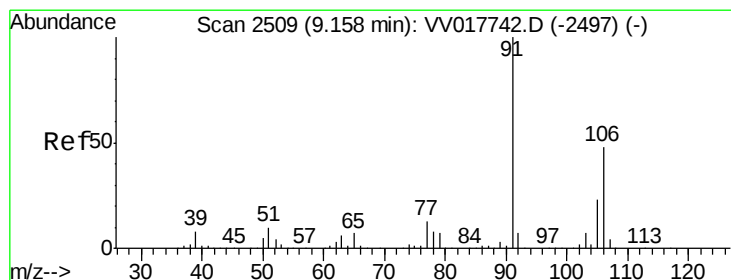
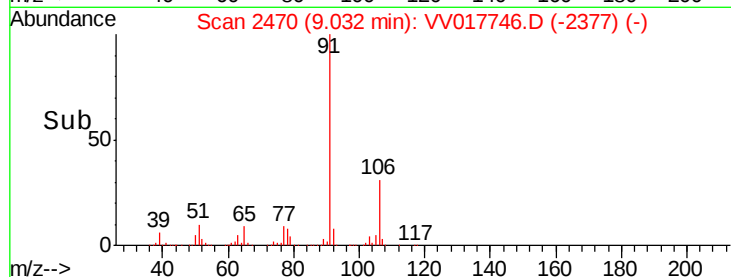
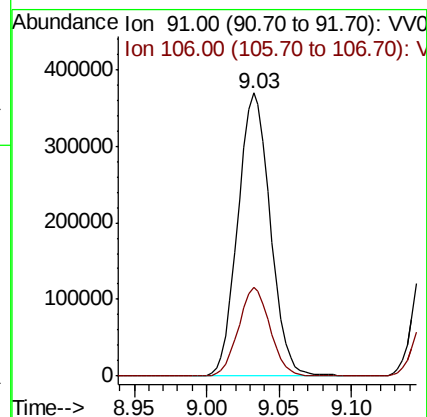
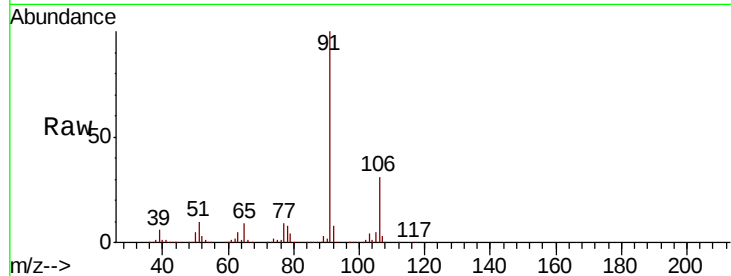
VSTD05087

Tot Ion: 91 Resp: 572897

Ion Ratio Lower Upper

91 100

106 31.2 21.5 39.9



#53

m,p-Xylene

Concen: 49.502 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017746.D

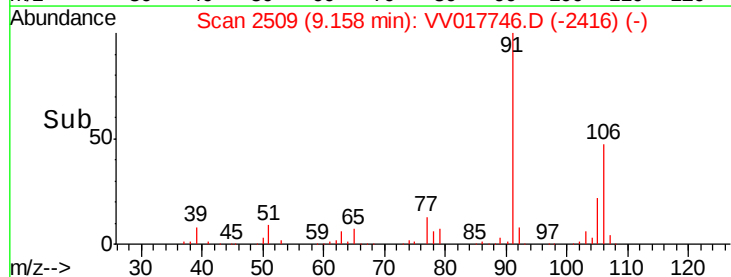
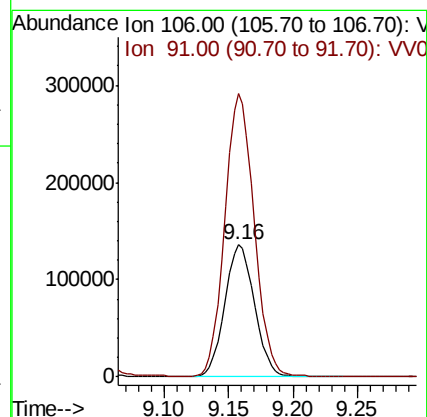
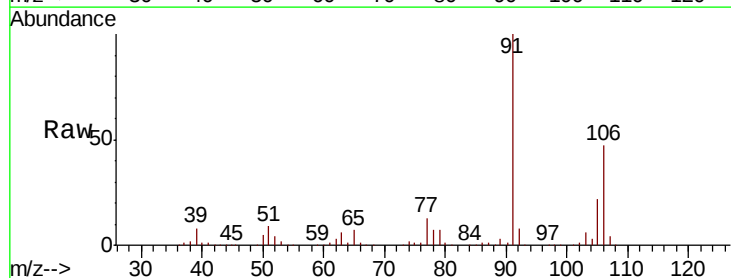
Acq: 30 Jul 2020 12:53

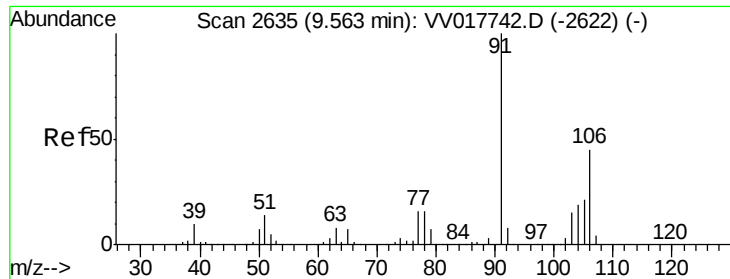
Tgt Ion: 106 Resp: 218548

Ion Ratio Lower Upper

106 100

91 214.4 145.8 270.8





#54

o-xylene

Concen: 49.690 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

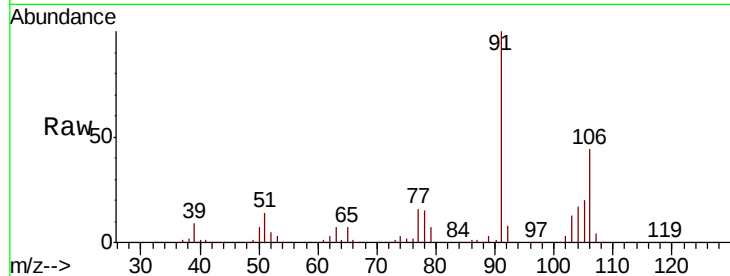
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion:106 Resp: 212293

Ion Ratio Lower Upper

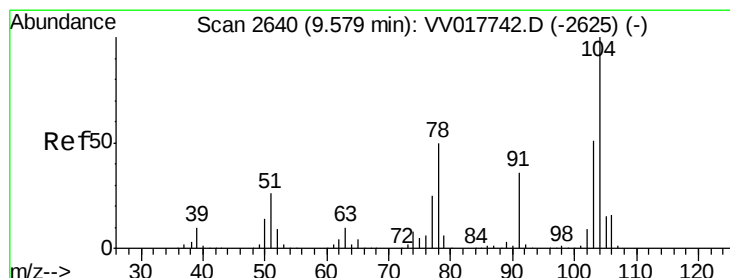
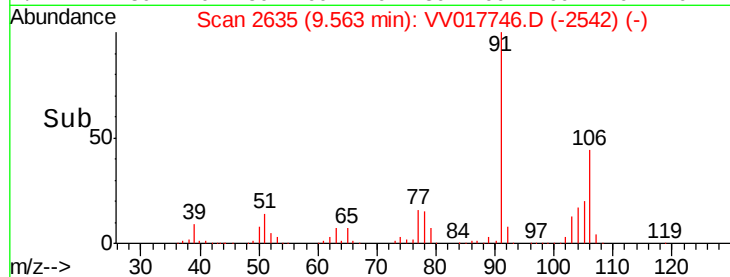
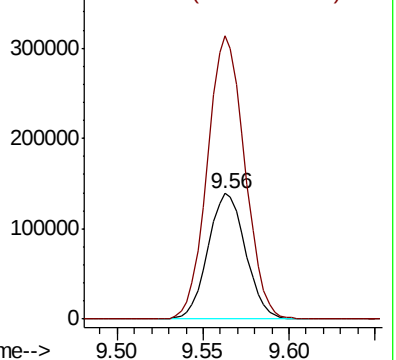
106 100

91 225.6 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.831 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017746.D

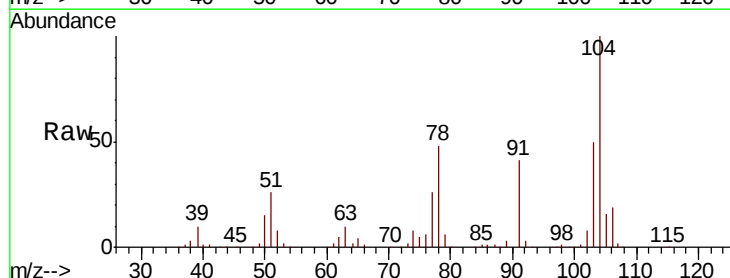
Acq: 30 Jul 2020 12:53

Tgt Ion:104 Resp: 370312

Ion Ratio Lower Upper

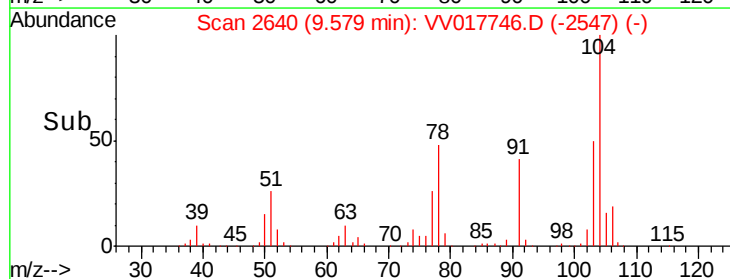
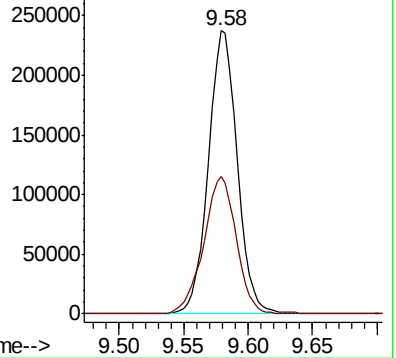
104 100

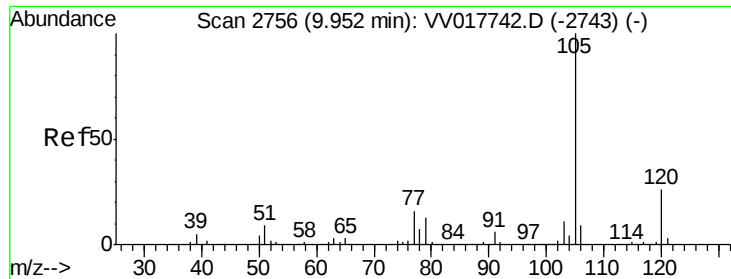
78 48.4 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.042 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

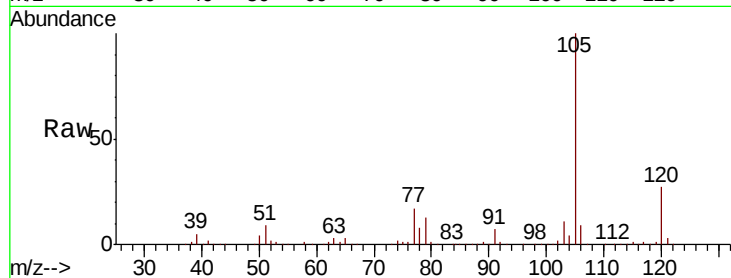
Tot Ion:105 Resp: 585173

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

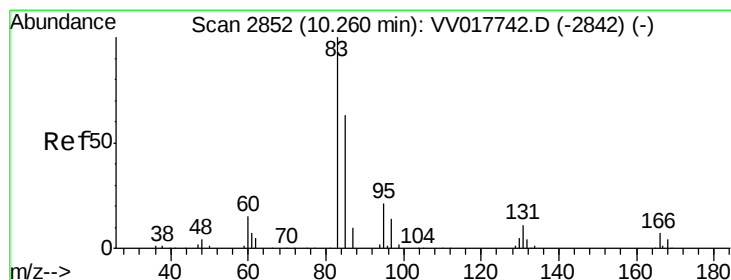
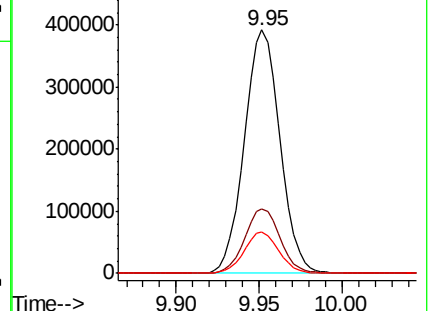
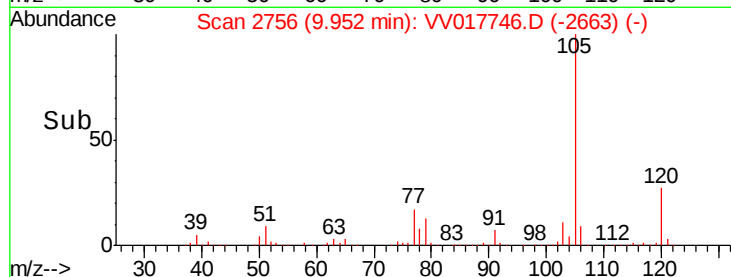
77 16.5 13.2 19.8



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: 48.501 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

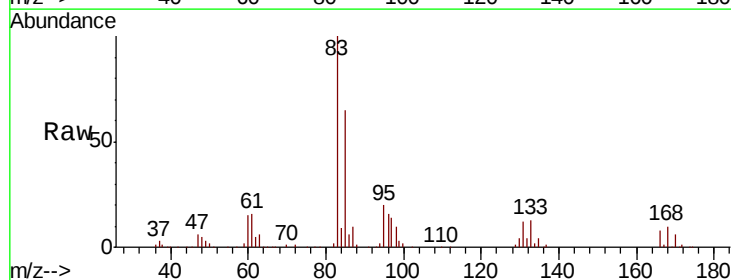
Tgt Ion: 83 Resp: 166751

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.8

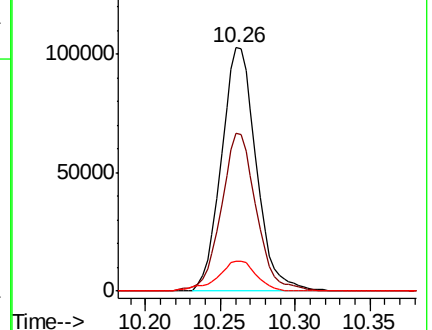
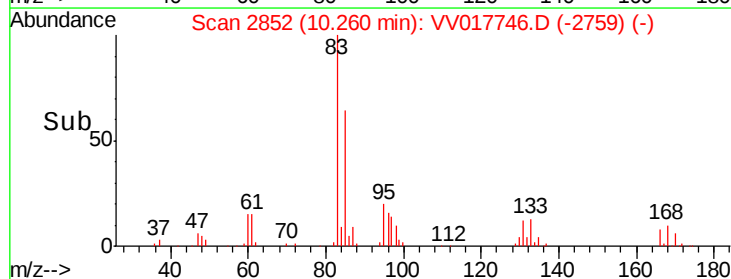
131 12.3 9.5 14.3

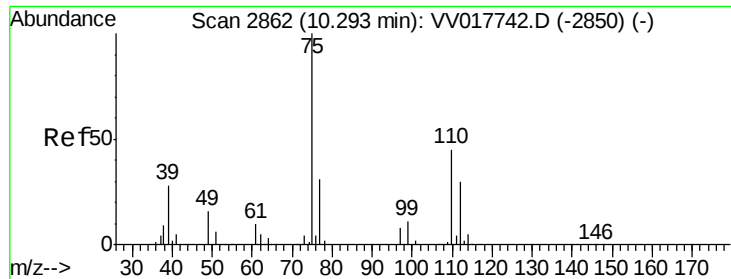


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.145 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

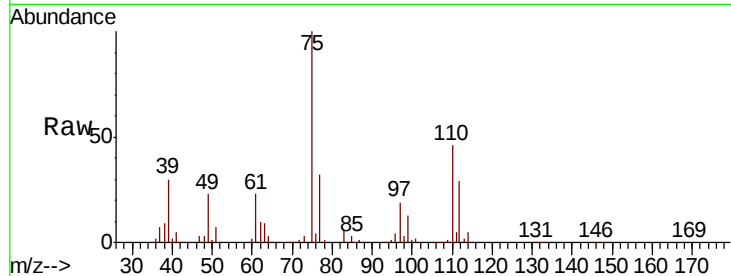
VSTD05087

Tot Ion: 75 Resp: 145314

Ion Ratio Lower Upper

75 100

77 32.8 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VV017742.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV017742.D (-2850) (-)

10.29

80000

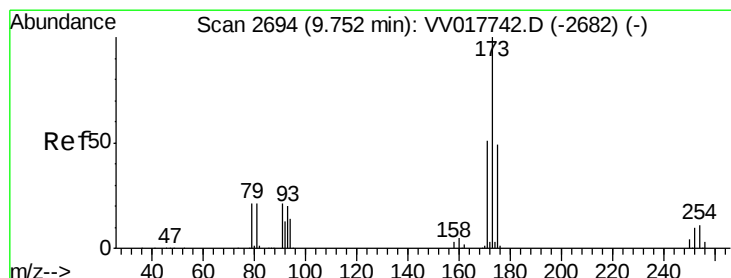
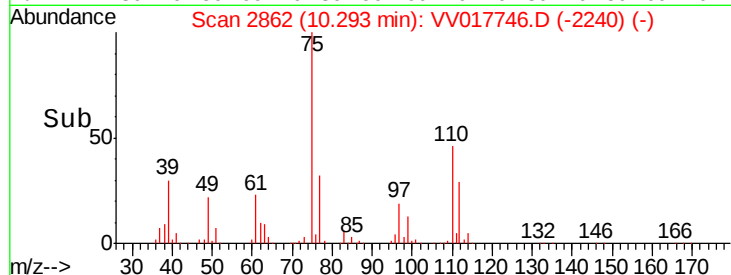
60000

40000

20000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 49.114 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

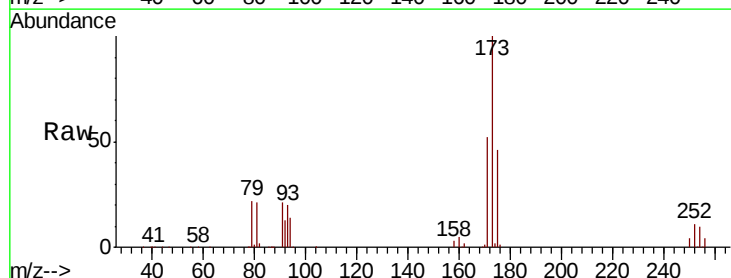
Tgt Ion: 173 Resp: 112613

Ion Ratio Lower Upper

173 100

175 48.2 39.8 59.8

254 9.9 8.4 12.6



Abundance Ion 173.00 (172.70 to 173.70): VV017742.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017742.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017742.D (-2682) (-)

9.75

80000

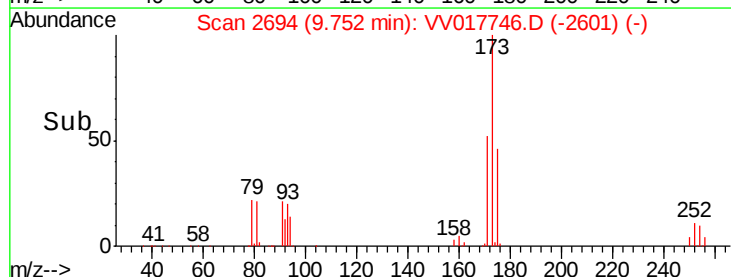
60000

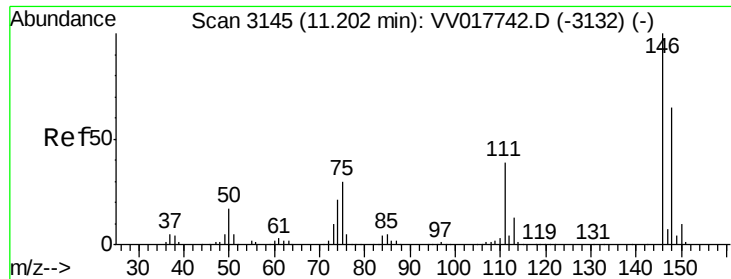
40000

20000

0

Time--> 9.70 9.75 9.80

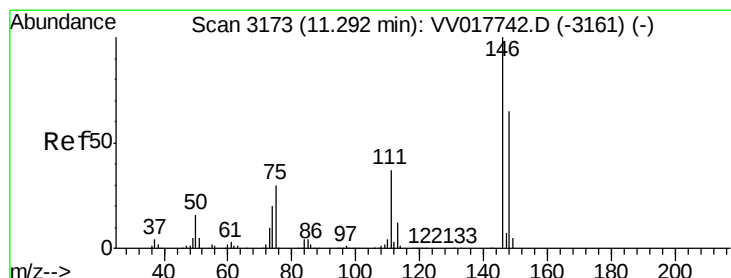
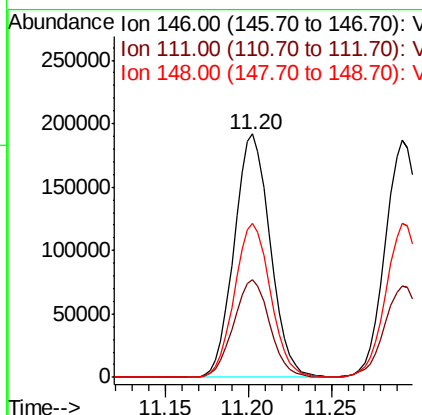
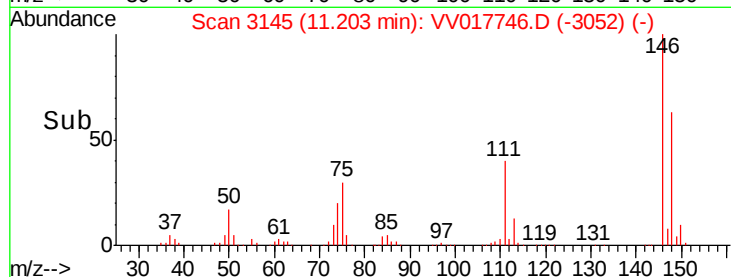
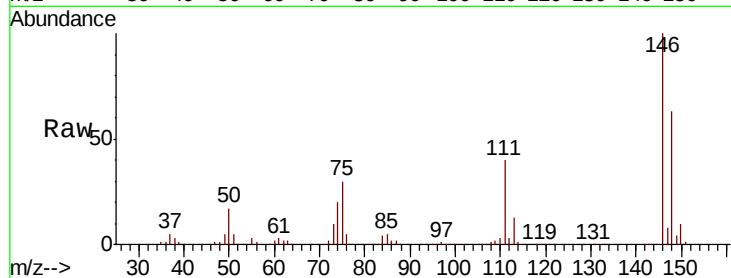




#62
 1,3-Dichlorobenzene
 Concen: 48.825 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

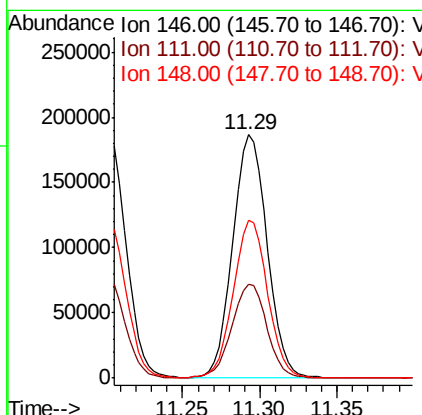
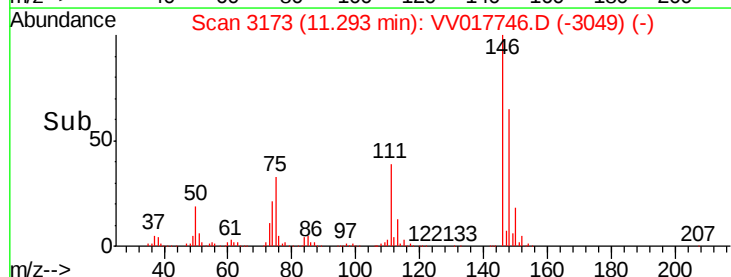
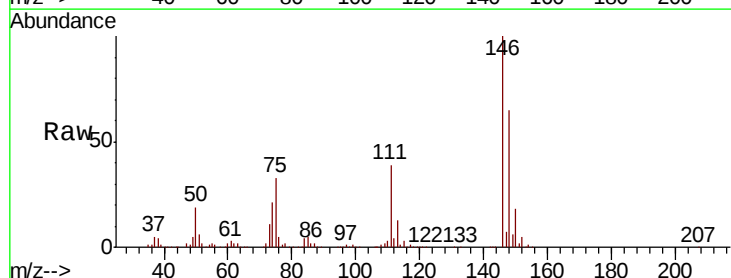
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

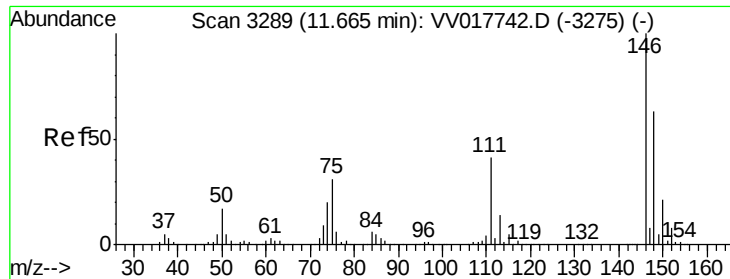
Tot Ion:146 Resp: 289606
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.6 51.4
 148 63.2 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 47.634 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

Tgt Ion:146 Resp: 287085
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.4 49.0
 148 64.8 45.3 84.1





#65

1,2-Dichlorobenzene

Concen: 49.029 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

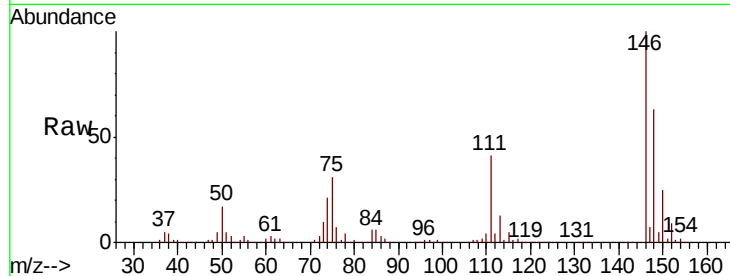
Tot Ion:146 Resp: 292377

Ion Ratio Lower Upper

146 100

111 40.6 32.6 49.0

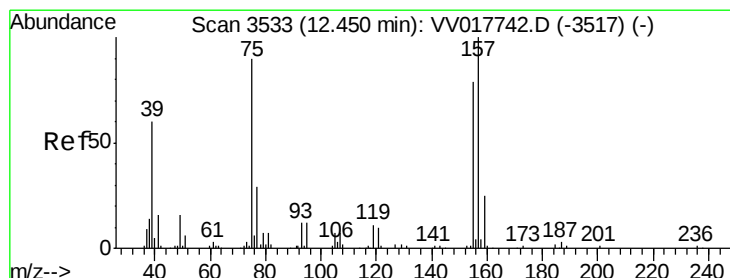
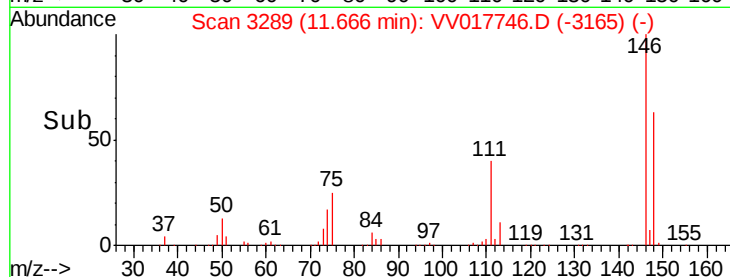
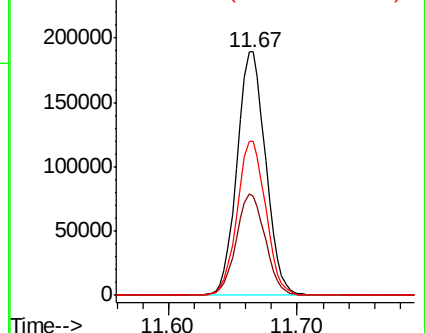
148 63.3 50.4 75.6



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: 50.849 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

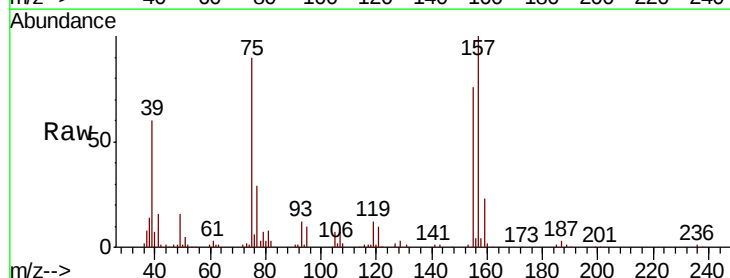
Tgt Ion: 75 Resp: 47386

Ion Ratio Lower Upper

75 100

155 83.9 70.2 105.2

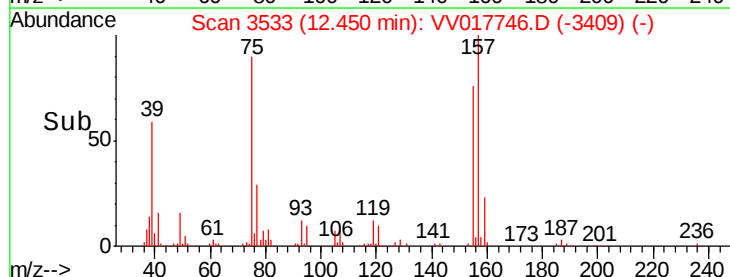
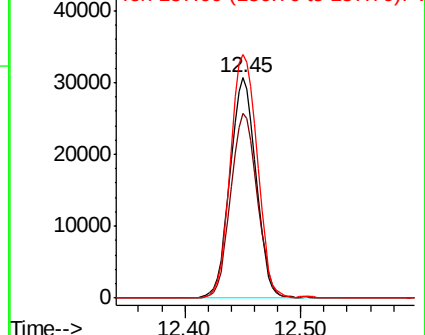
157 110.7 88.9 133.3

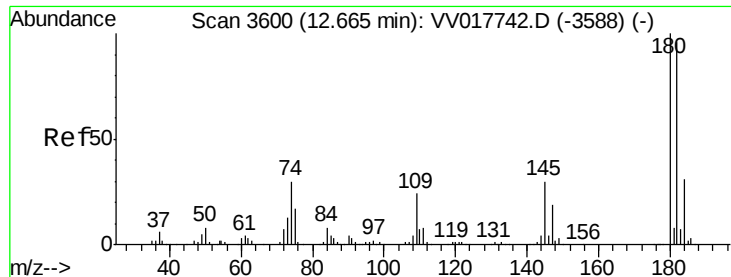


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

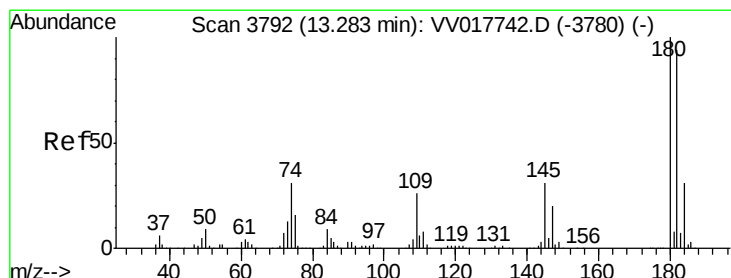
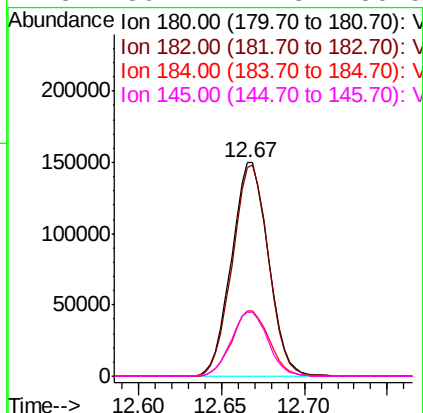
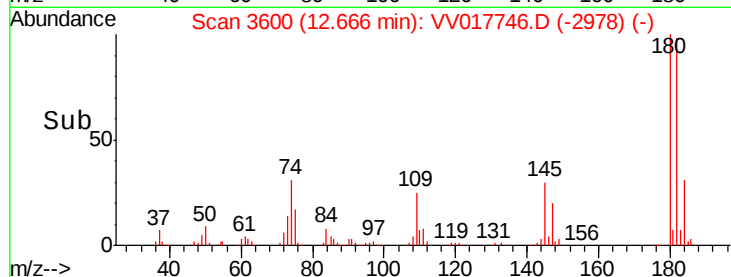
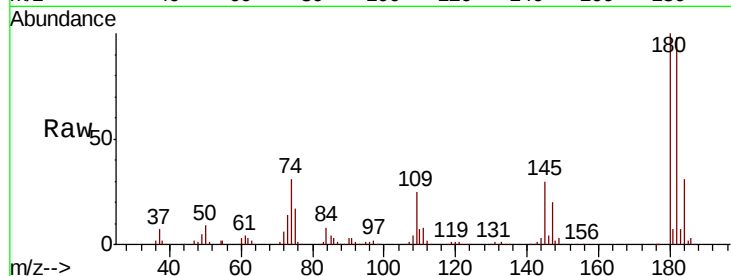




#67
 1,3,5-Trichlorobenzene
 Concen: 50.007 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

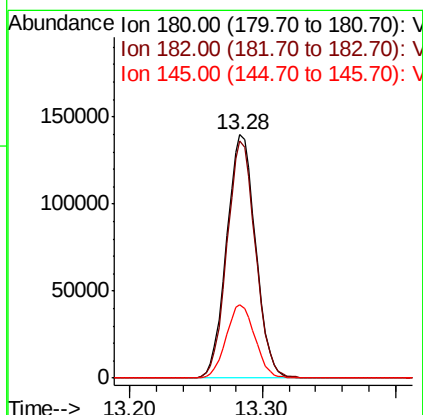
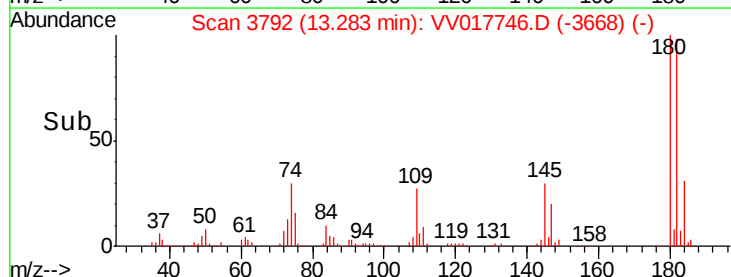
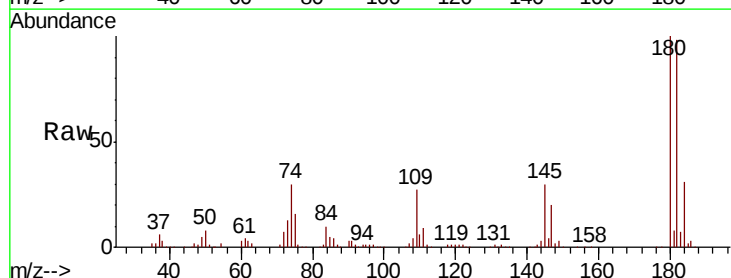
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

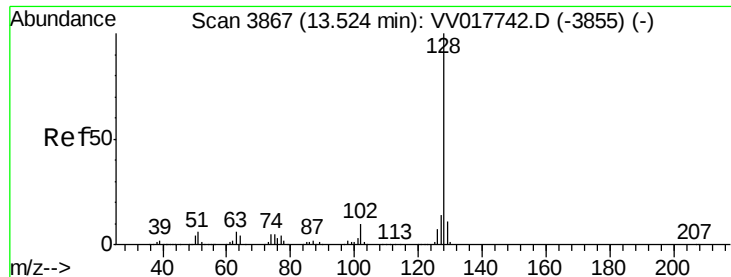
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.9	115.3
184	30.8	25.1	37.7
145	30.2	24.3	36.5



#68
 1,2,4-trichlorobenzene
 Concen: 52.773 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017746.D
 Acq: 30 Jul 2020 12:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
145	30.0	24.6	36.8





#69

Naphthalene

Concen: 53.962 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

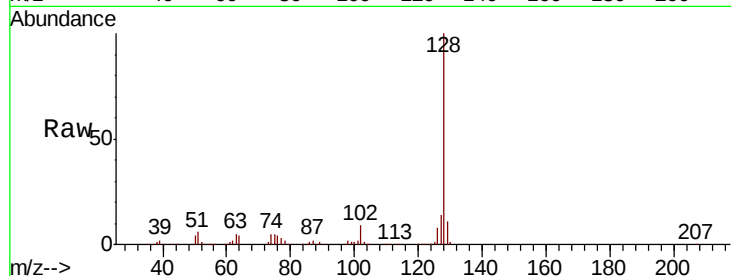
Tot Ion:128 Resp: 573049

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

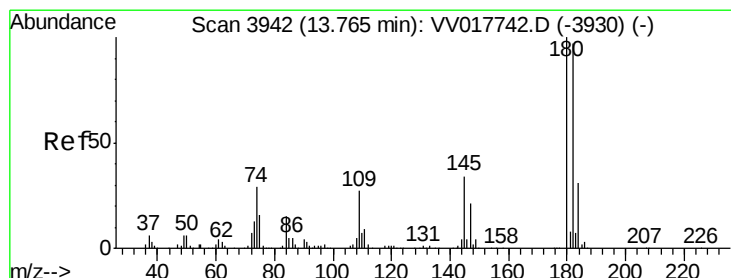
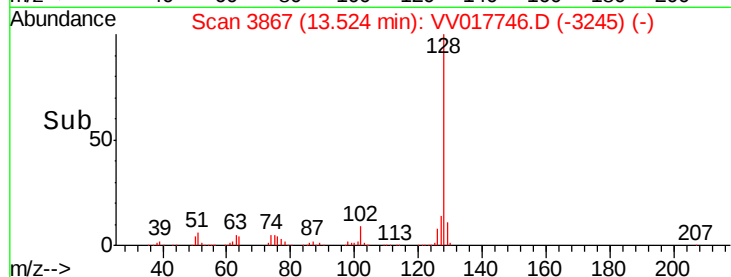
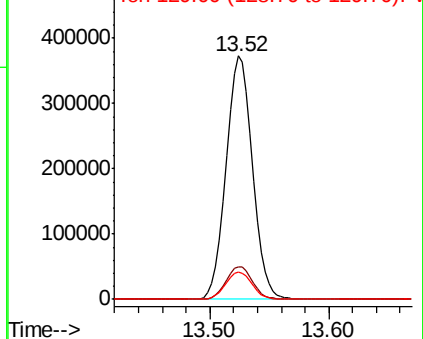
129 11.1 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.149 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017746.D

Acq: 30 Jul 2020 12:53

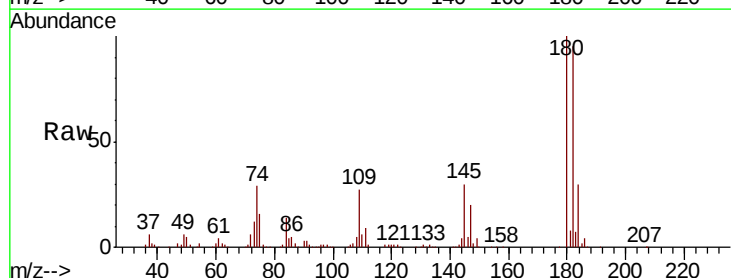
Tgt Ion:180 Resp: 208204

Ion Ratio Lower Upper

180 100

182 96.6 76.7 115.1

145 32.1 26.4 39.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

