

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\
 Data File : VV016989.D
 Acq On : 18 Jun 2020 19:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Quant Time: Jun 19 04:39:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 19 04:33:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	353268	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	330109	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175677	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86878	34.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.70%
7) Chloroethane-d5	1.58	69	64438	43.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.16%
11) 1,1-Dichloroethene-d2	2.12	63	187744	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
21) 2-Butanone-d5	3.91	46	169210	91.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.71%
24) Chloroform-d	4.38	84	234480	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
26) 1,2-Dichloroethane-d4	5.06	65	160982	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
32) Benzene-d6	5.07	84	432045	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.09	67	133381	44.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.94%
41) Toluene-d8	7.34	98	403303	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%
43) trans-1,3-Dichloropropene-	7.64	79	69483	44.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.96%
47) 2-Hexanone-d5	8.11	63	113178	87.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.52%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	178220	45.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	171346	45.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	134625	48.067	ug/L 99
3) Chloromethane	1.25	50	121149	47.300	ug/L 100
5) Vinyl chloride	1.32	62	118348	46.987	ug/L 99
6) Bromomethane	1.53	94	66893	63.767	ug/L 95
8) Chloroethane	1.60	64	61501	49.431	ug/L 98
9) Trichlorofluoromethane	1.76	101	190427	50.522	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	100448	53.481	ug/L 99
12) 1,1-Dichloroethene	2.13	96	92155	52.559	ug/L 92
13) Acetone	2.19	43	126561	104.114	ug/L 99
14) Carbon disulfide	2.31	76	288031	45.372	ug/L 99
15) Methyl Acetate	2.45	43	132766	49.002	ug/L 97
16) Methylene chloride	2.52	84	130708	50.802	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	118182	49.435	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	417630	52.722	ug/L 99
19) 1,1-Dichloroethane	3.21	63	227669	50.594	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	132705	50.918	ug/L 95
22) 2-Butanone	3.99	43	185150	98.770	ug/L 96

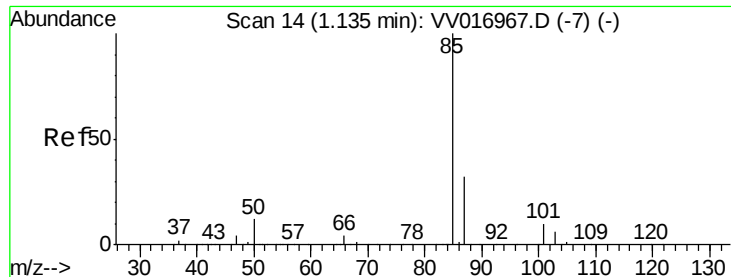
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\
 Data File : VV016989.D
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 Quant Title : VOC Analysis
 QLast Update : Fri Jun 19 04:33:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	71281	51.919	ug/L	96
25) Chloroform	4.40	83	244586	52.888	ug/L	96
27) 1,2-Dichloroethane	5.15	62	205114	52.909	ug/L	100
29) Cyclohexane	4.70	56	197463	48.137	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	225616	53.592	ug/L	99
31) Carbon tetrachloride	4.86	117	201479	55.322	ug/L	98
33) Benzene	5.13	78	490225	50.192	ug/L	100
34) Trichloroethene	5.94	95	138591	52.908	ug/L	97
35) Methylcyclohexane	6.15	83	198643	48.339	ug/L	99
37) 1,2-Dichloropropane	6.20	63	128590	50.626	ug/L	99
38) Bromodichloromethane	6.53	83	179913	53.210	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	208175	52.763	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	375896	104.439	ug/L	98
42) Toluene	7.41	91	530264	51.501	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	206453	53.823	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	129777	52.959	ug/L	96
46) Tetrachloroethene	8.00	164	108216	52.528	ug/L	98
48) 2-Hexanone	8.16	43	285634	102.352	ug/L	99
49) Dibromochloromethane	8.27	129	141521	54.013	ug/L	100
50) 1,2-Dibromoethane	8.37	107	135939	52.973	ug/L	100
51) Chlorobenzene	8.90	112	351772	52.366	ug/L	98
52) Ethylbenzene	9.03	91	602507	52.831	ug/L	98
53) m,p-Xylene	9.16	106	225416	53.086	ug/L	100
54) o-xylene	9.56	106	223365	53.336	ug/L	100
55) Styrene	9.58	104	387354	54.708	ug/L	99
56) Isopropylbenzene	9.95	105	606500	53.898	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	191743	51.034	ug/L	95
59) 1,2,3-Trichloropropane	10.29	75	162343	51.514	ug/L	100
61) Bromoform	9.75	173	96289	53.287	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	285152	51.247	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	286139	50.542	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	289208	51.865	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	42429	48.391	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	209765	50.555	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	189095	49.686	ug/L	99
69) Naphthalene	13.52	128	564223	51.539	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	189261	50.824	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.067 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

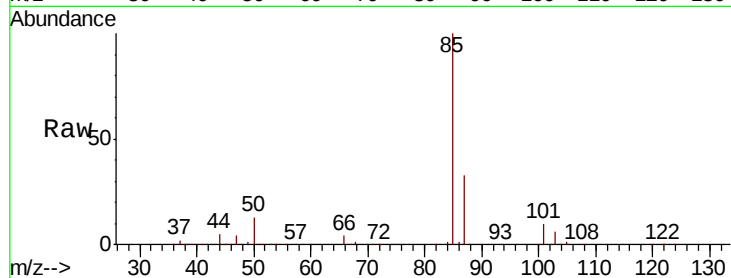
VSTD05097

Tot Ion: 85 Resp: 134625

Ion Ratio Lower Upper

85 100

87 32.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016989.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016989.D (-1) (-)

1.14

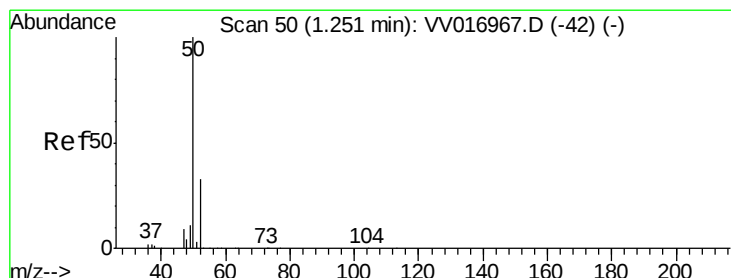
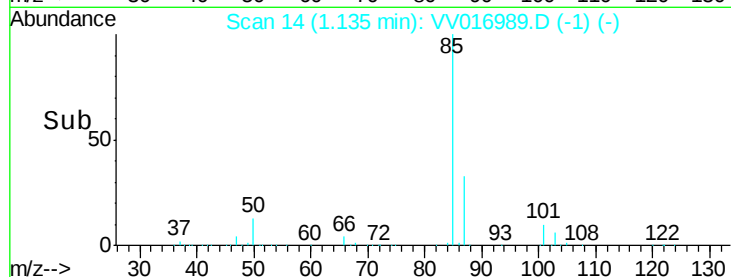
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.300 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016989.D

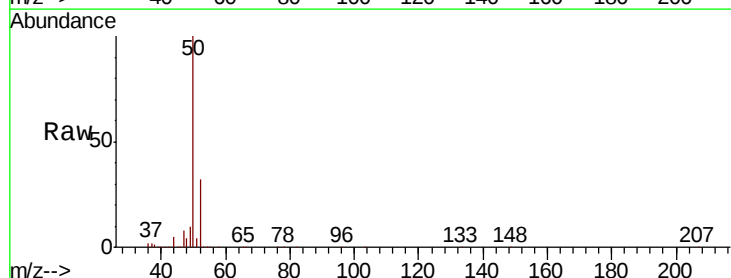
Acq: 18 Jun 2020 19:47

Tgt Ion: 50 Resp: 121149

Ion Ratio Lower Upper

50 100

52 32.3 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016989.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV016989.D (-1) (-)

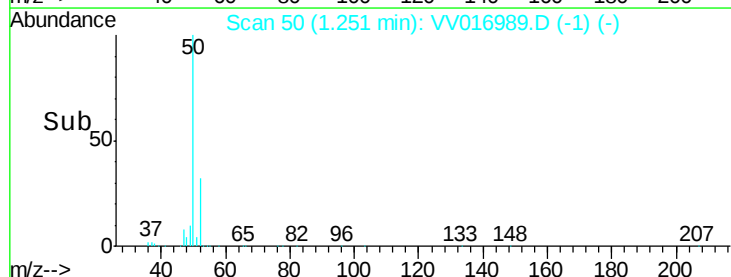
1.25

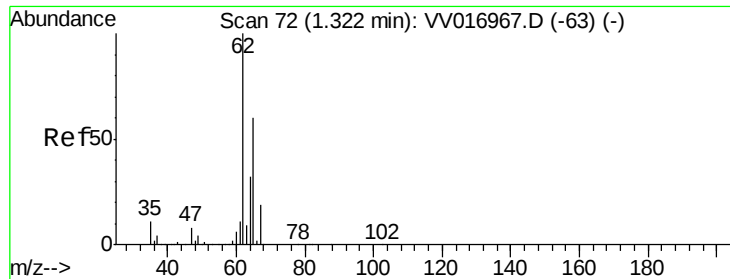
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.987 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampled :

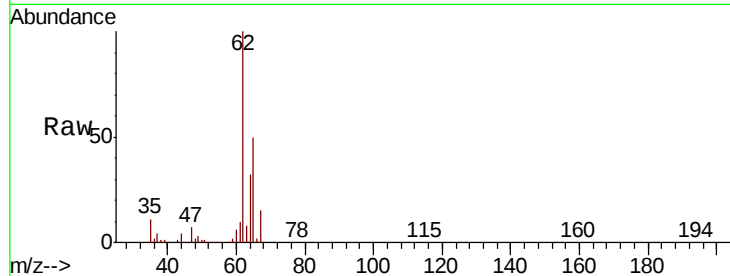
VSTD05097

Tot Ion: 62 Resp: 118348

Ion Ratio Lower Upper

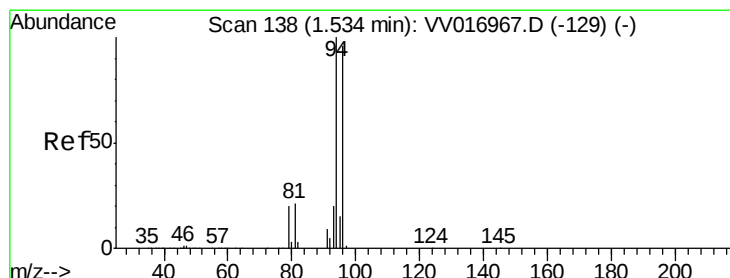
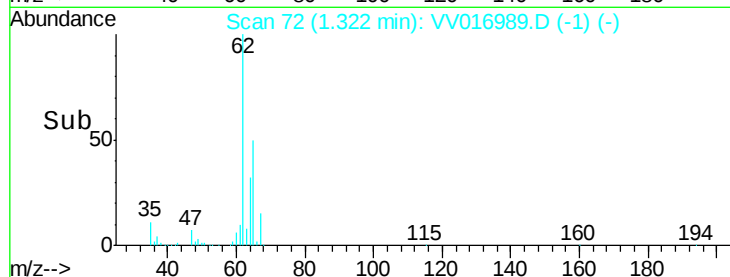
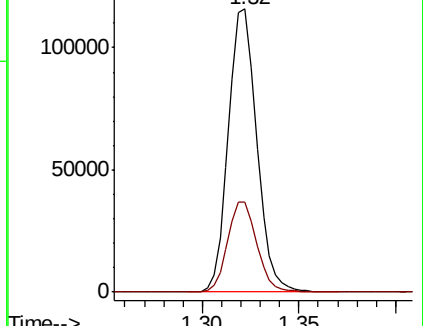
62 100

64 31.6 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV016989.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VV016989.D (-1) (-)



#6

Bromomethane

Concen: 63.767 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016989.D

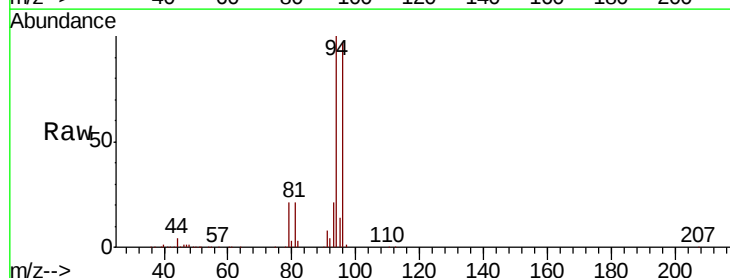
Acq: 18 Jun 2020 19:47

Tgt Ion: 94 Resp: 66893

Ion Ratio Lower Upper

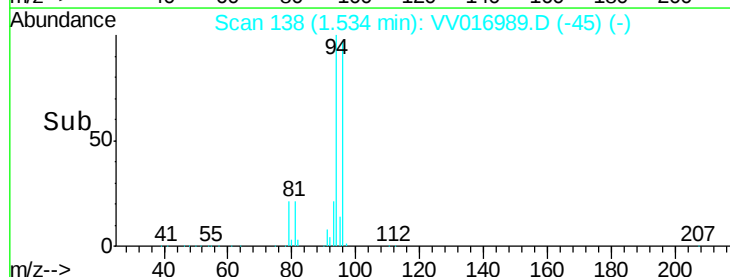
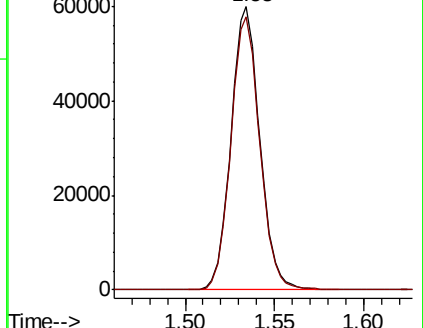
94 100

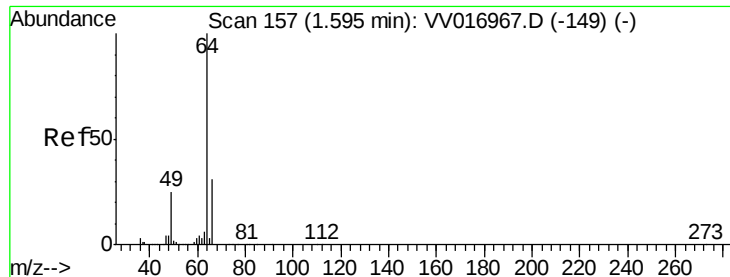
96 96.7 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV016989.D (-45) (-)

Ion 96.00 (95.70 to 96.70): VV016989.D (-45) (-)





#8

Chloroethane

Concen: 49.431 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

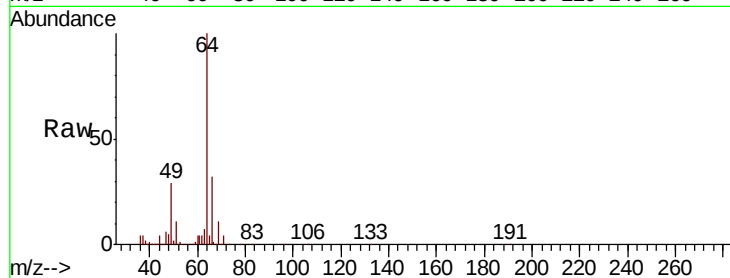
VSTD05097

Tot Ion: 64 Resp: 61501

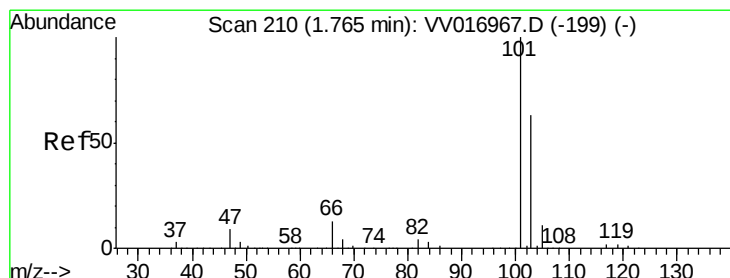
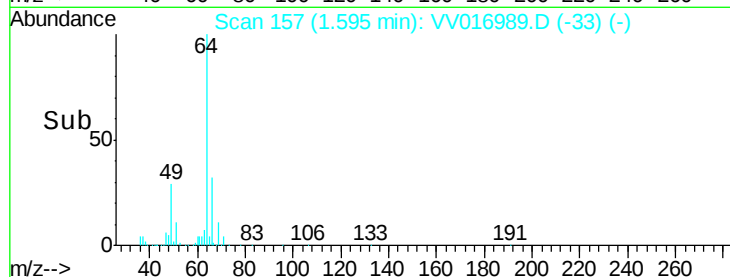
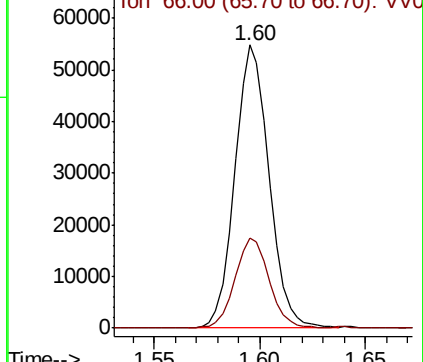
Ion Ratio Lower Upper

64 100

66 32.0 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV016967.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 50.522 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV016989.D

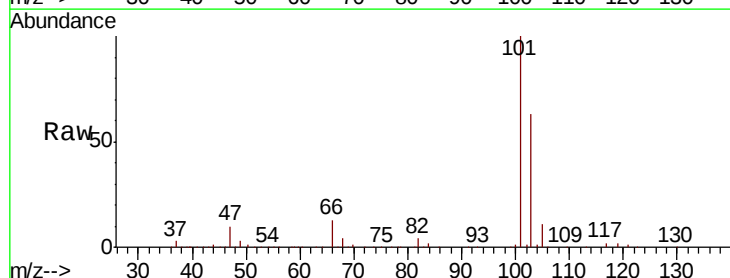
Acq: 18 Jun 2020 19:47

Tgt Ion: 101 Resp: 190427

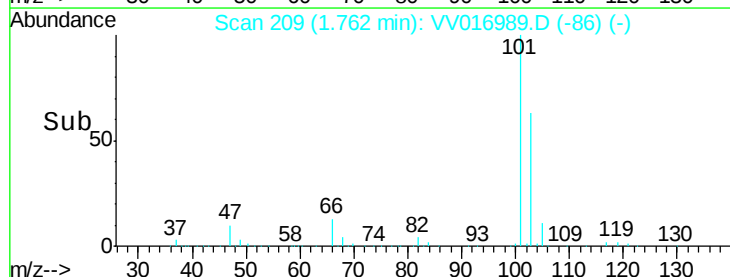
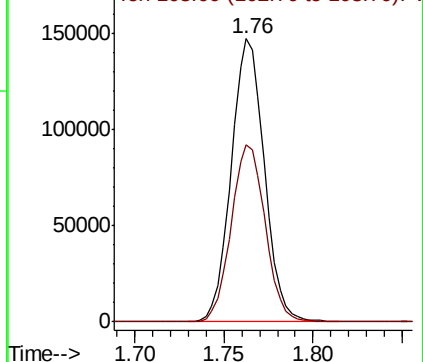
Ion Ratio Lower Upper

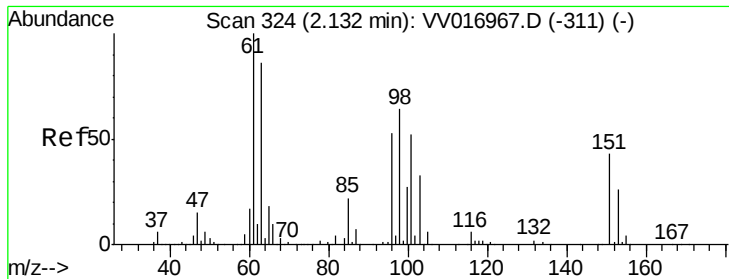
101 100

103 64.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV016967.D (-199) (-)





#10

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

Concen: 53.481 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

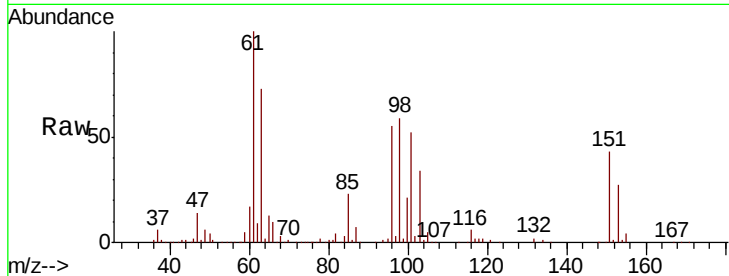
Tot Ion:101 Resp: 100448

Ion Ratio Lower Upper

101 100

85 44.6 35.5 53.3

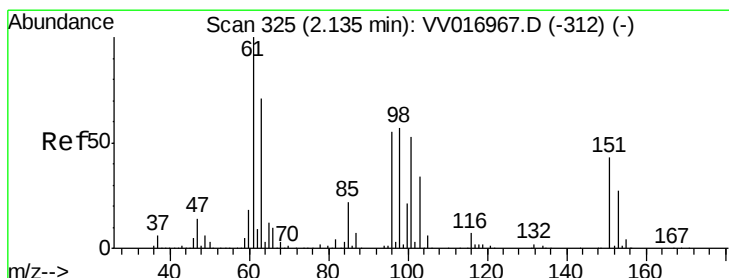
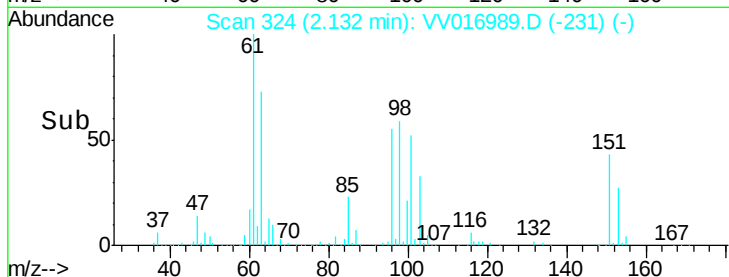
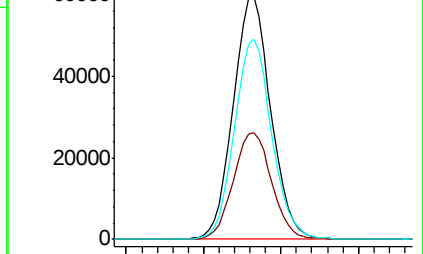
151 81.7 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016989.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV016989.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV016989.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 52.559 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

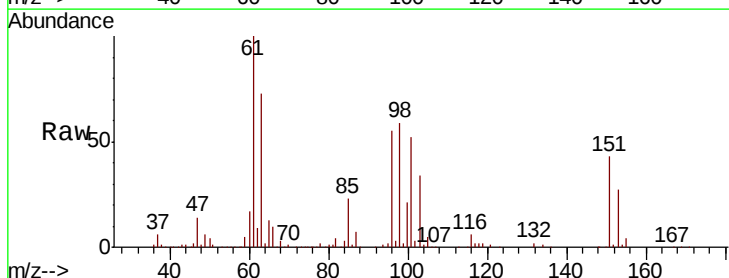
Tgt Ion: 96 Resp: 92155

Ion Ratio Lower Upper

96 100

61 180.5 130.4 242.2

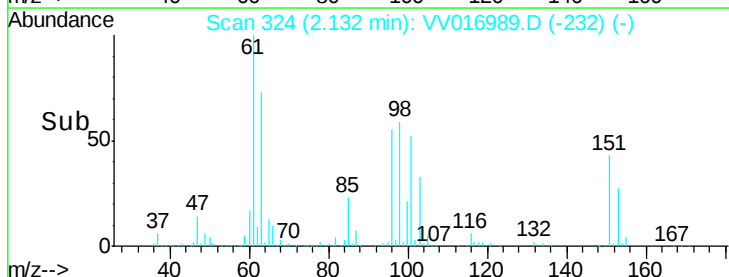
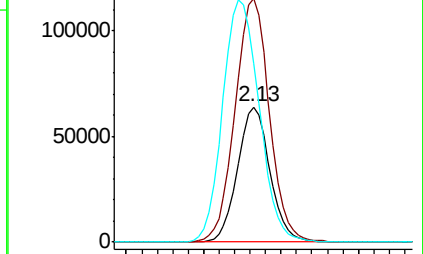
63 132.0 103.3 191.9

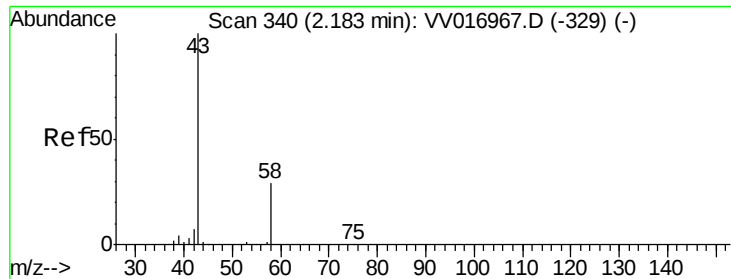


Abundance Ion 96.00 (95.70 to 96.70): VV016989.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV016989.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016989.D (-232) (-)





#13

Acetone

Concen: 104.114 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

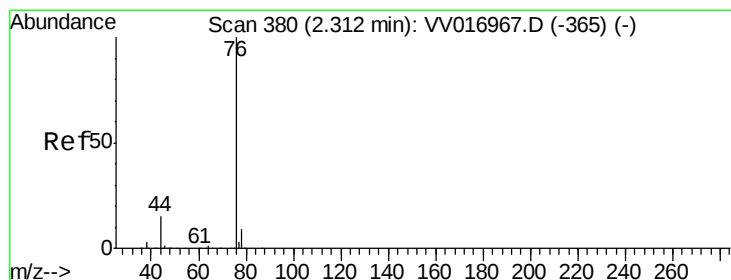
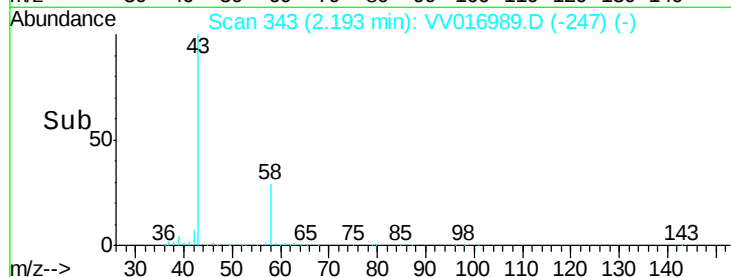
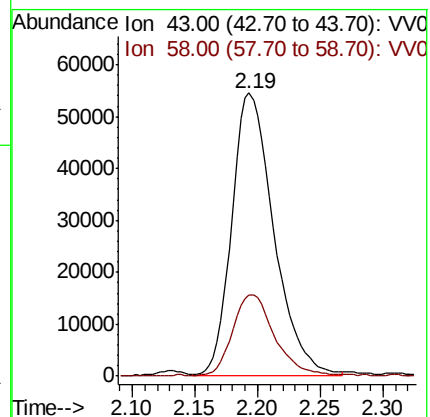
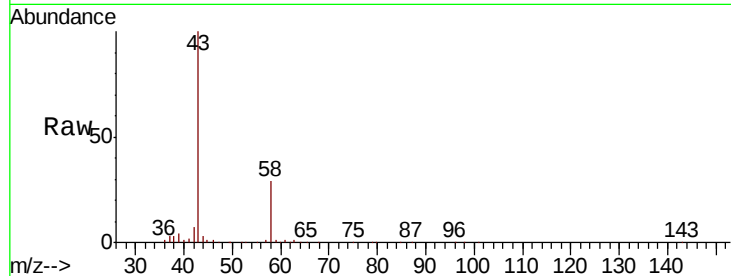
VSTD05097

Tot Ion: 43 Resp: 126561

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.2



#14

Carbon disulfide

Concen: 45.372 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016989.D

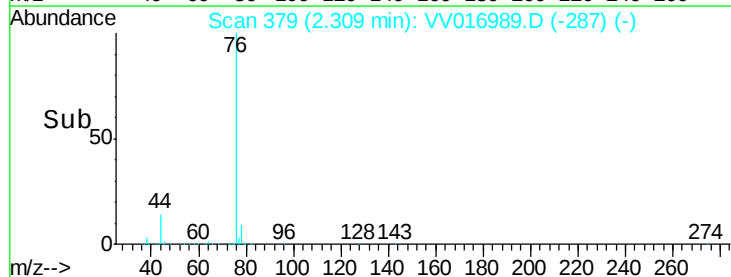
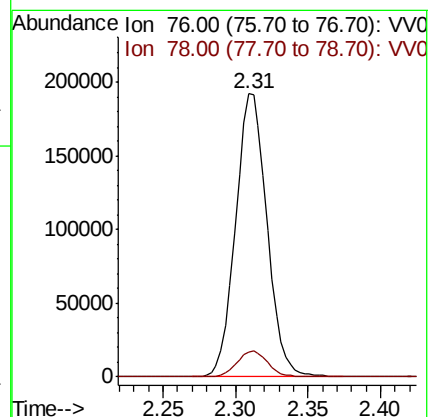
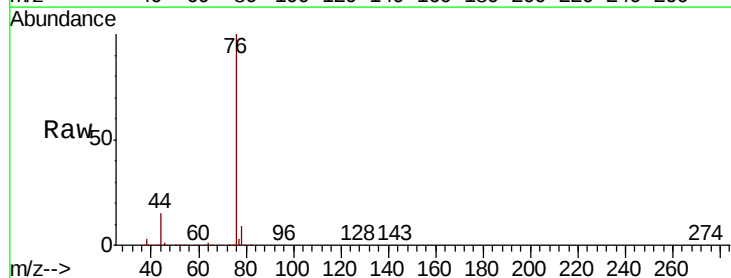
Acq: 18 Jun 2020 19:47

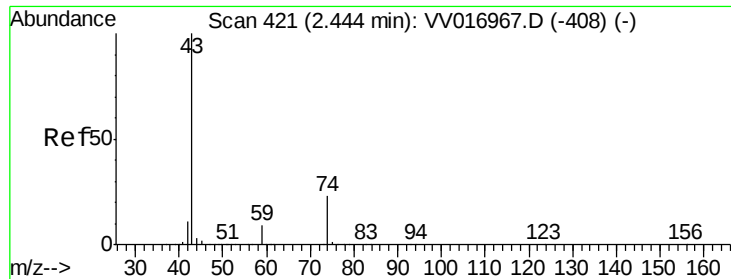
Tgt Ion: 76 Resp: 288031

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

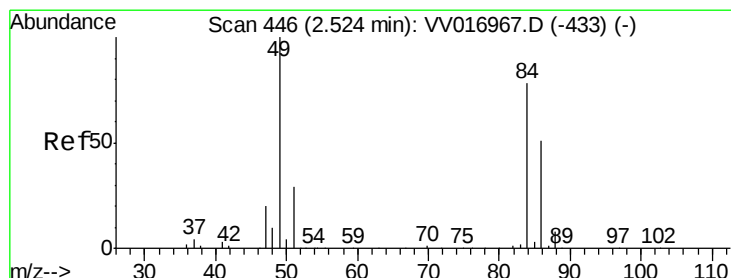
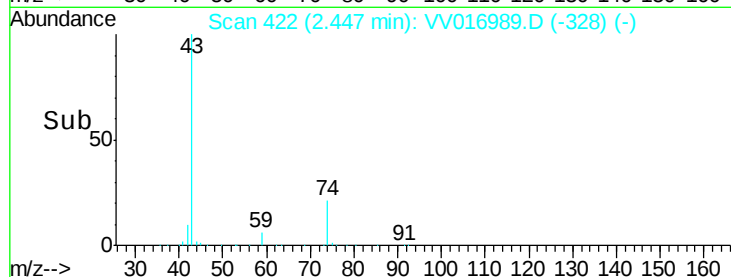
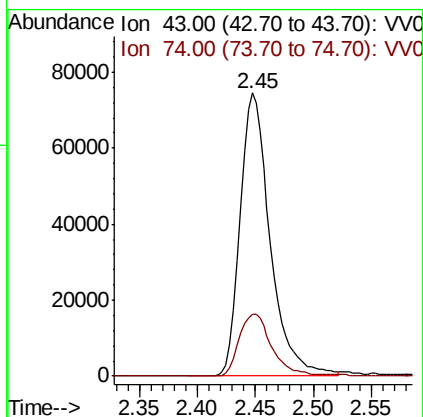
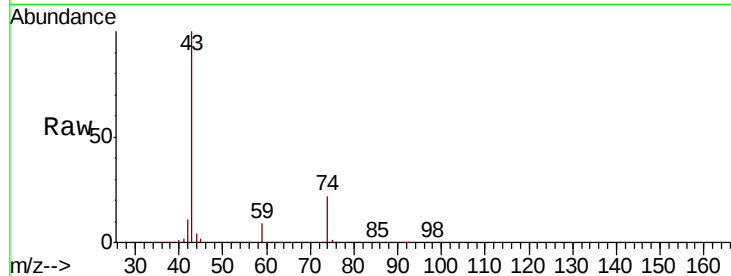




#15
Methvl Acetate
Concen: 49.002 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV016989.D
Acq: 18 Jun 2020 19:47

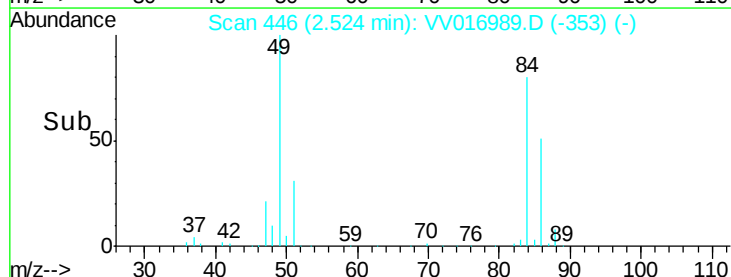
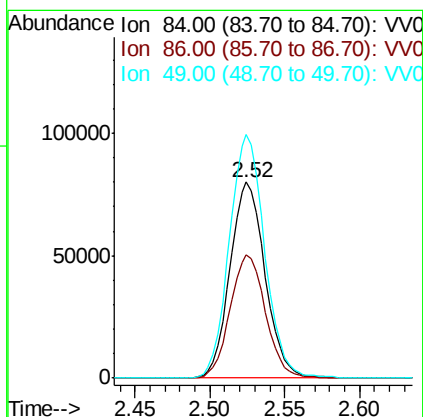
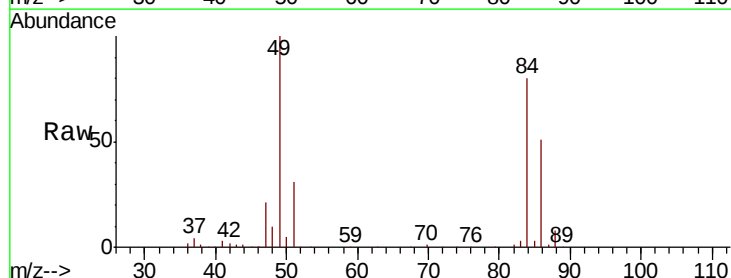
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

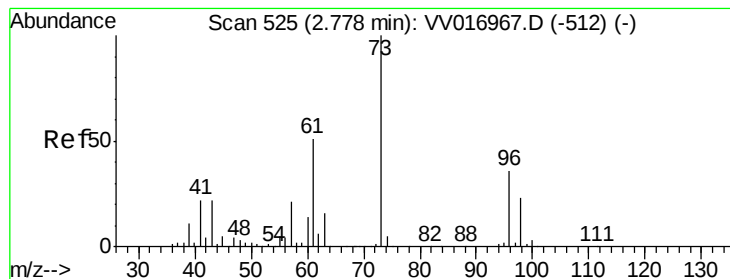
Tot Ion: 43 Resp: 132766
Ion Ratio Lower Upper
43 100
74 23.9 17.9 26.9



#16
Methylene chloride
Concen: 50.802 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016989.D
Acq: 18 Jun 2020 19:47

Tgt Ion: 84 Resp: 130708
Ion Ratio Lower Upper
84 100
86 62.9 44.0 81.8
49 124.3 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 49.435 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

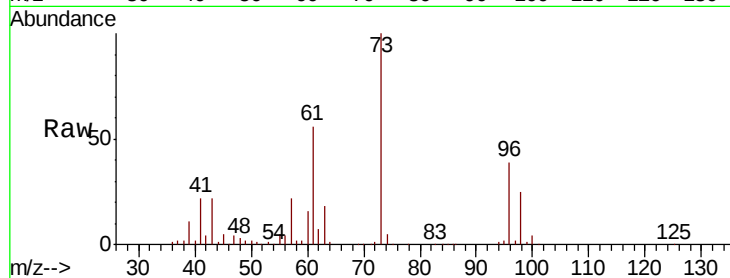
Tot Ion: 96 Resp: 118182

Ion Ratio Lower Upper

96 100

61 143.0 102.9 191.1

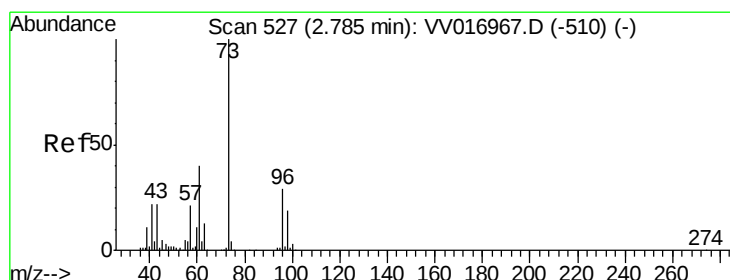
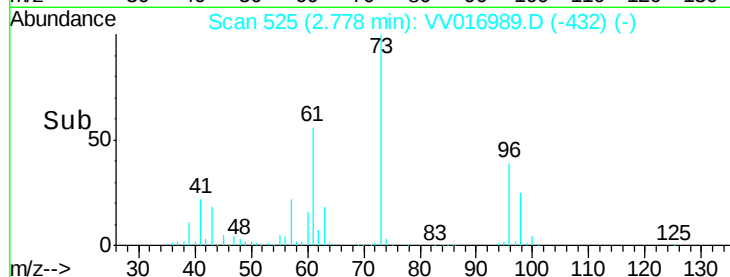
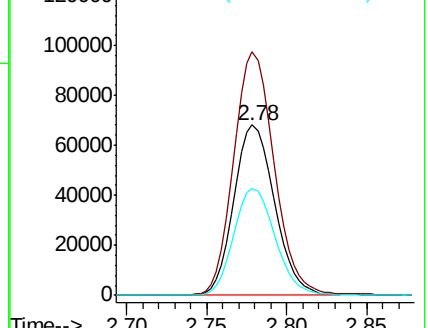
98 63.0 45.5 84.5



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: 52.722 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

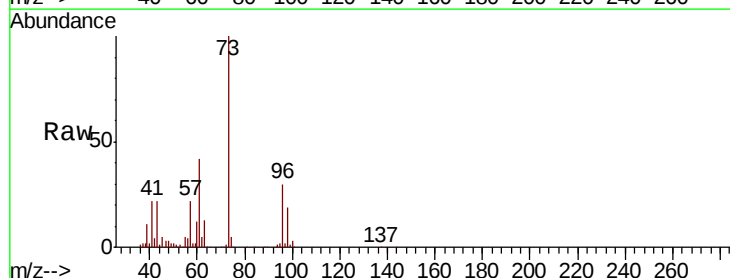
Tgt Ion: 73 Resp: 417630

Ion Ratio Lower Upper

73 100

43 21.9 17.8 26.6

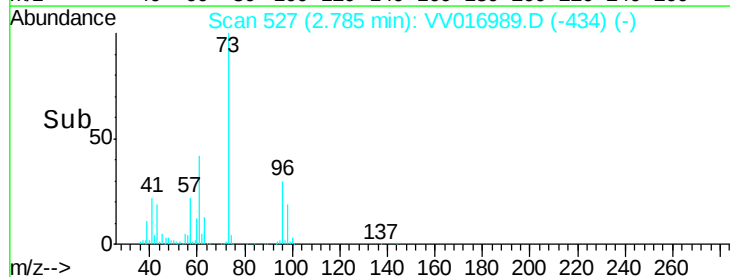
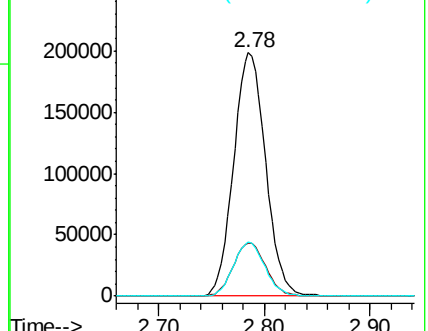
57 21.6 17.7 26.5

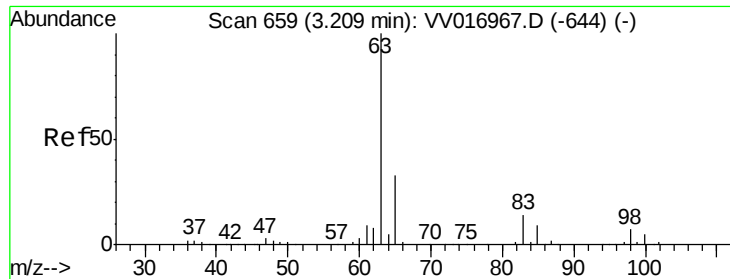


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



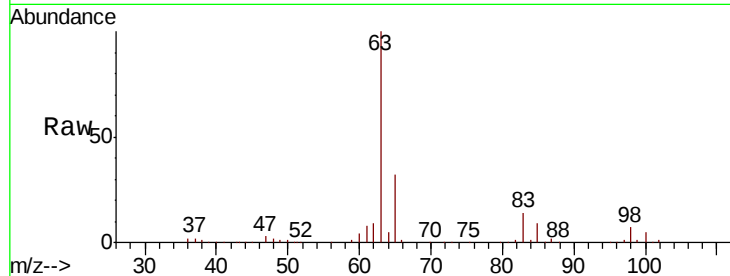


#19
 1,1-Dichloroethane
 Concen: 50.594 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

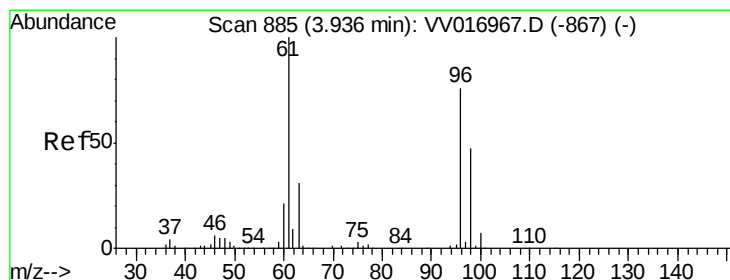
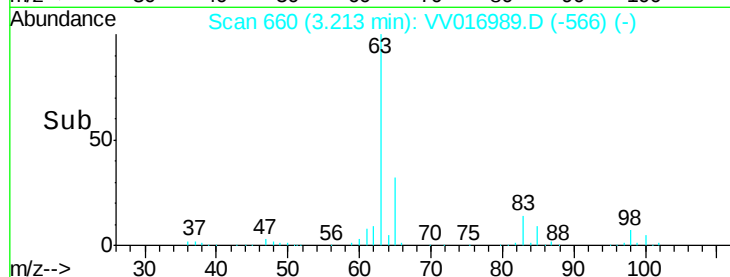
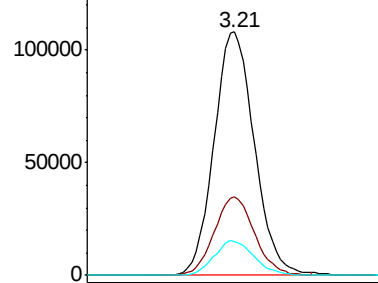
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05097

Tot Ion: 63 Resp: 227669

Ion	Ratio	Lower	Upper
63	100		
65	32.3	23.2	43.0
83	13.9	10.0	18.6



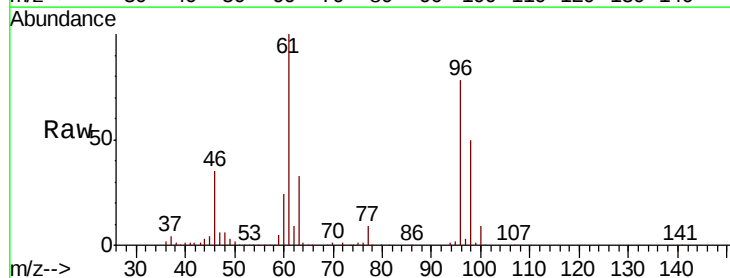
Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0



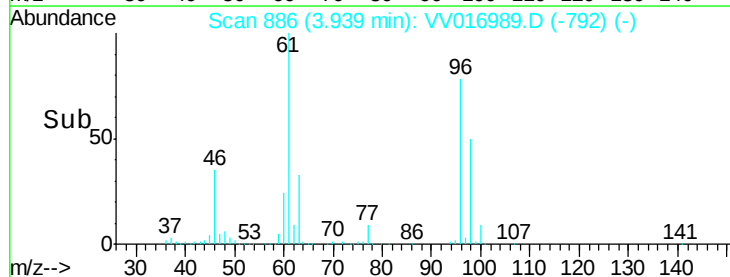
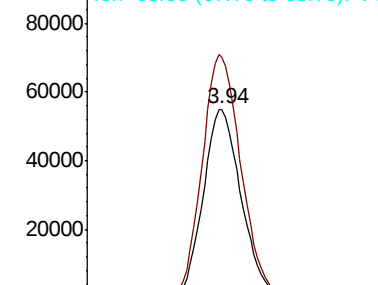
#20
 cis-1,2-Dichloroethene
 Concen: 50.918 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

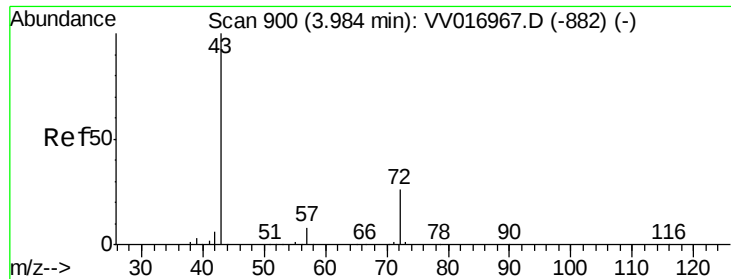
Tgt Ion: 96 Resp: 132705

Ion	Ratio	Lower	Upper
96	100		
61	127.9	93.4	173.4
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

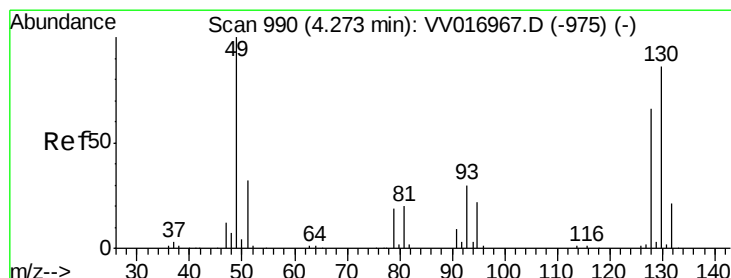
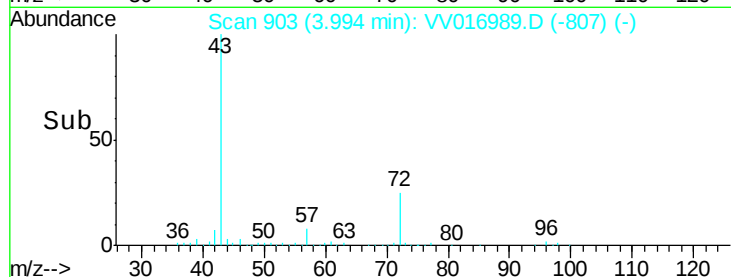
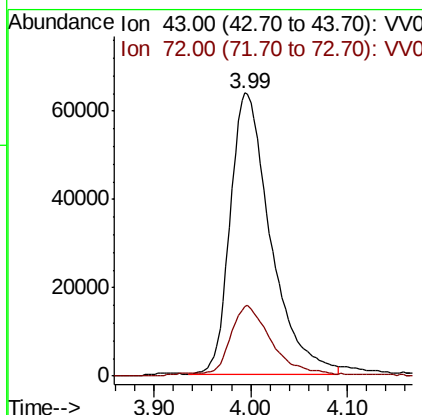
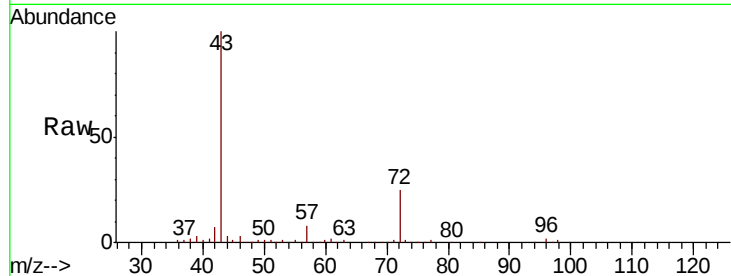




#22
 2-Butanone
 Concen: 98.770 ug/L
 RT: 3.99 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

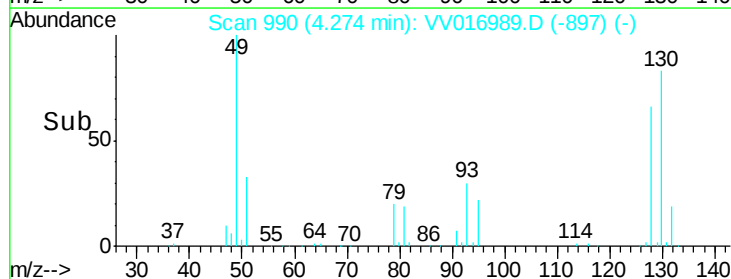
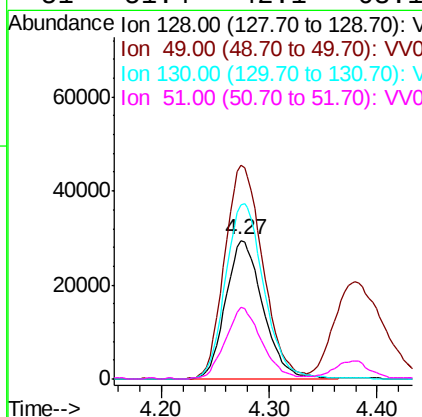
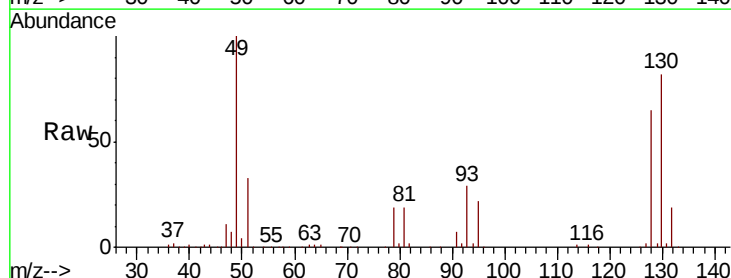
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

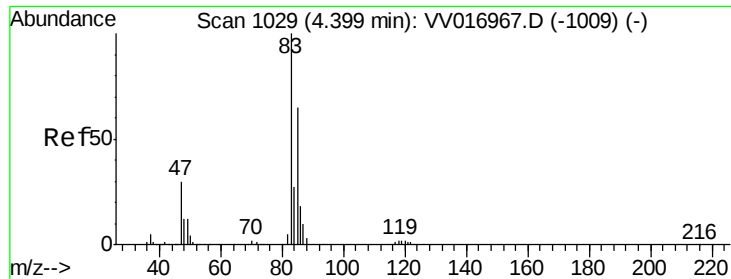
Tot Ion: 43 Resp: 185150
 Ion Ratio Lower Upper
 43 100
 72 22.8 12.4 37.4



#23
 Bromochloromethane
 Concen: 51.919 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

Tgt Ion: 128 Resp: 71281
 Ion Ratio Lower Upper
 128 100
 49 154.1 111.9 207.9
 130 125.7 91.5 169.9
 51 51.4 42.1 63.1

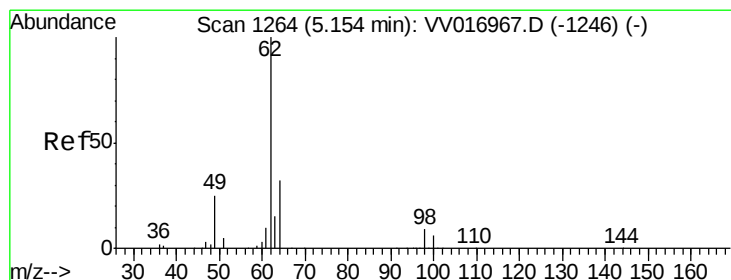
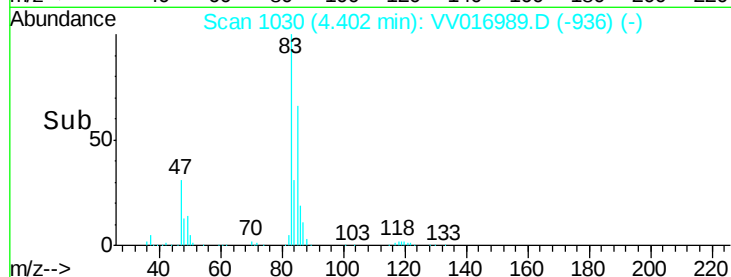
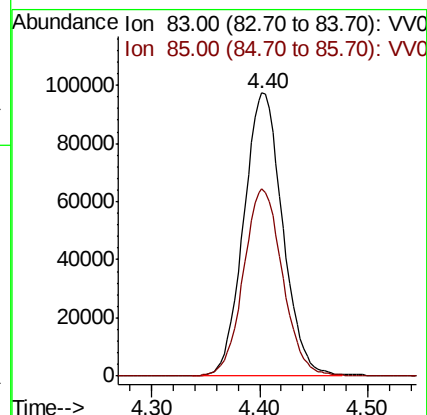
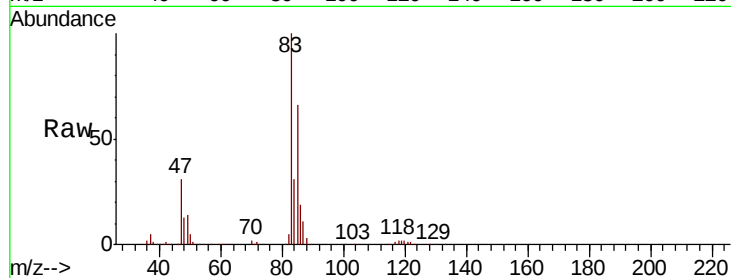




#25
Chloroform
Concen: 52.888 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016989.D
Acq: 18 Jun 2020 19:47

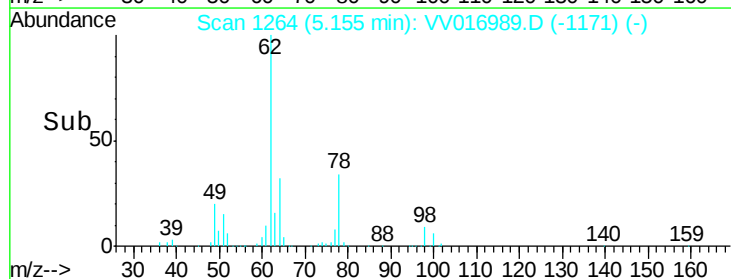
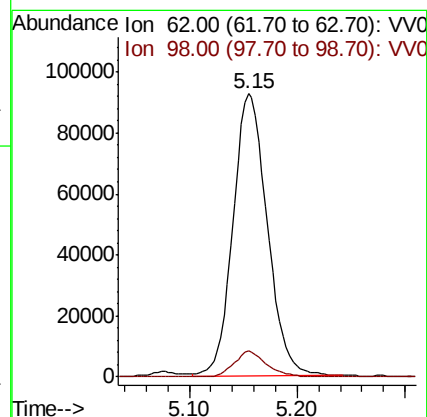
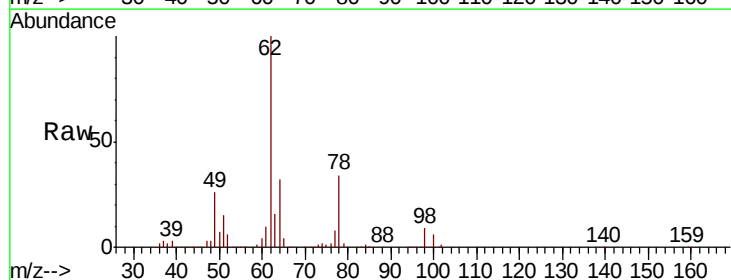
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

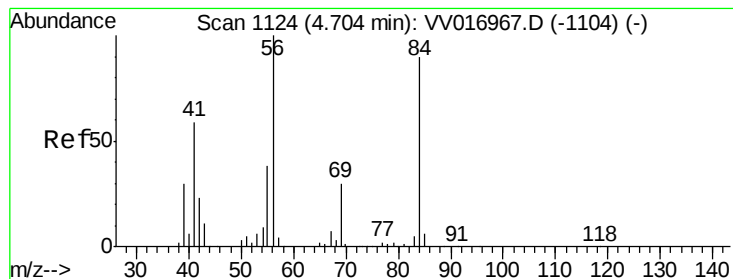
Tot Ion: 83 Resp: 244586
Ion Ratio Lower Upper
83 100
85 66.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 52.909 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016989.D
Acq: 18 Jun 2020 19:47

Tgt Ion: 62 Resp: 205114
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.2





#29

Cyclohexane

Concen: 48.137 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

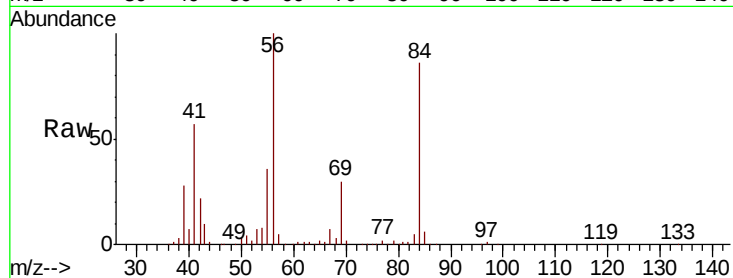
Tot Ion: 56 Resp: 197463

Ion Ratio Lower Upper

56 100

69 30.3 25.0 37.4

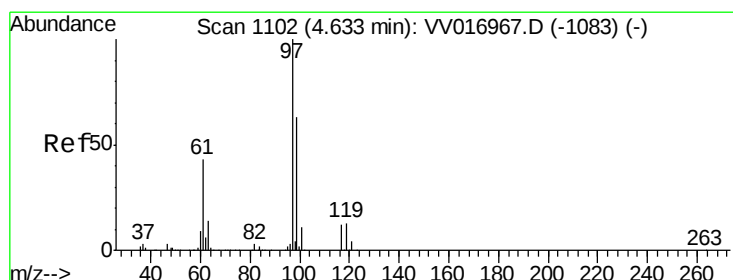
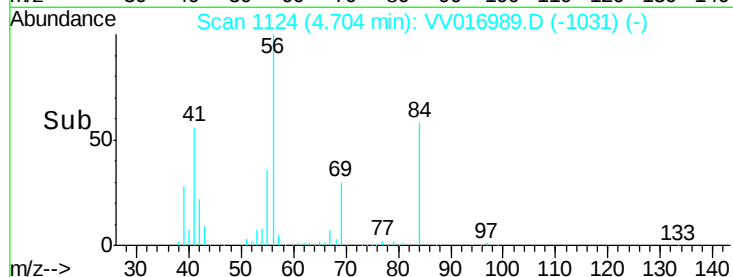
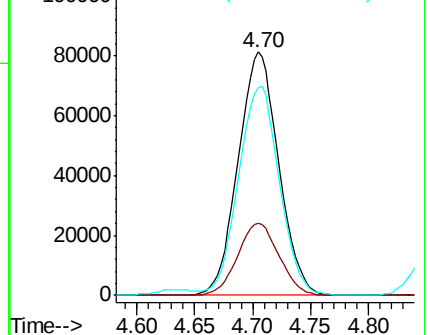
84 86.6 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV016989.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV016989.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV016989.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 53.592 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

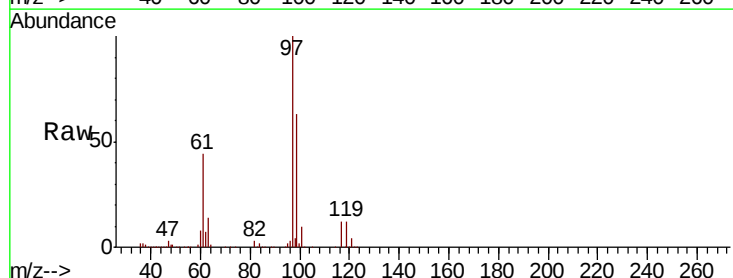
Tgt Ion: 97 Resp: 225616

Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

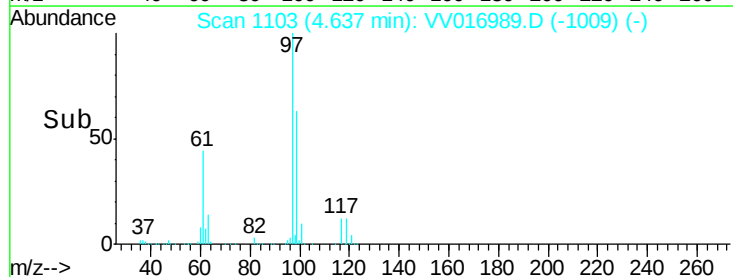
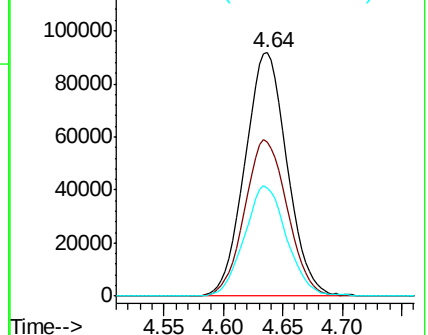
61 45.3 36.7 55.1

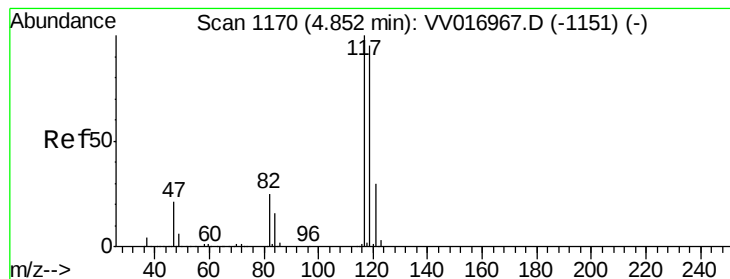


Abundance Ion 97.00 (96.70 to 97.70): VV016989.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV016989.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV016989.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 55.322 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

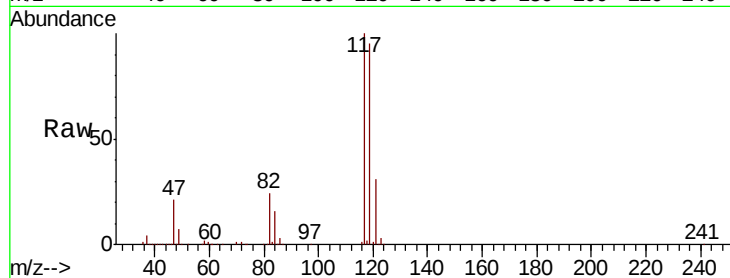
VSTD05097

Tot Ion:117 Resp: 201479

Ion Ratio Lower Upper

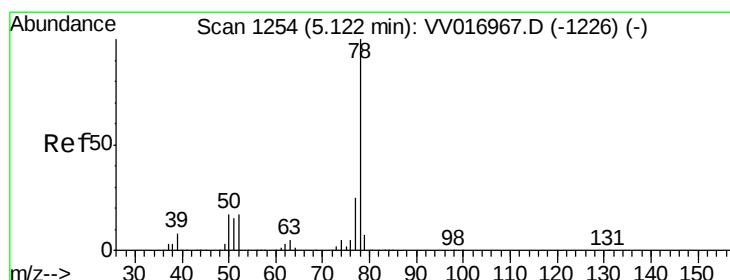
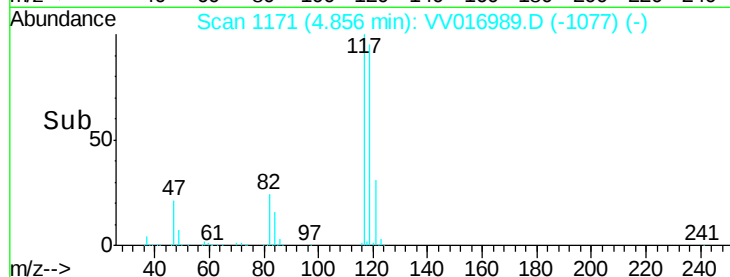
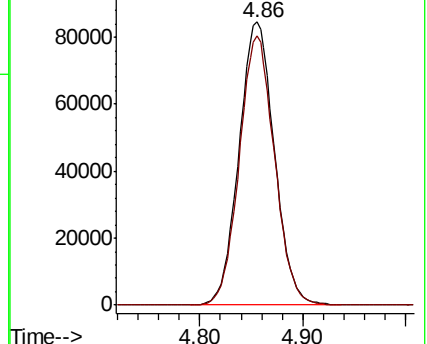
117 100

119 94.5 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.192 ug/L

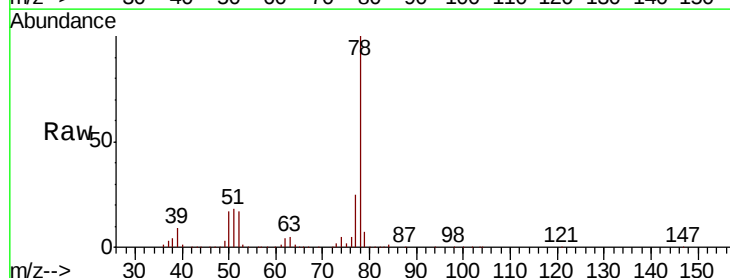
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

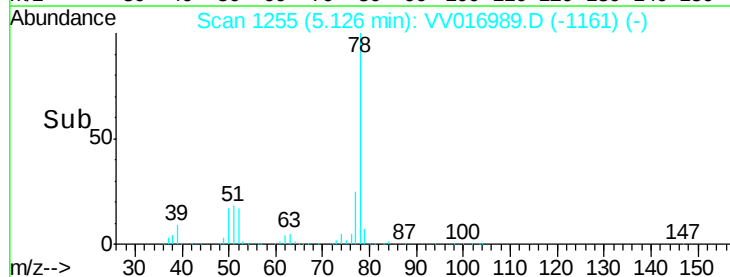
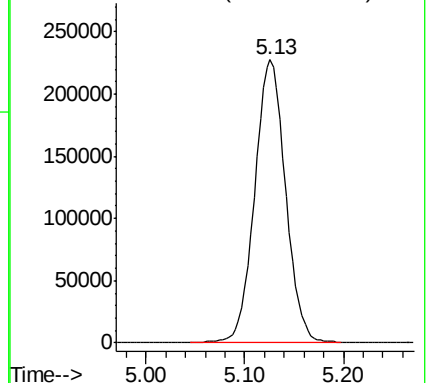
Lab File: VV016989.D

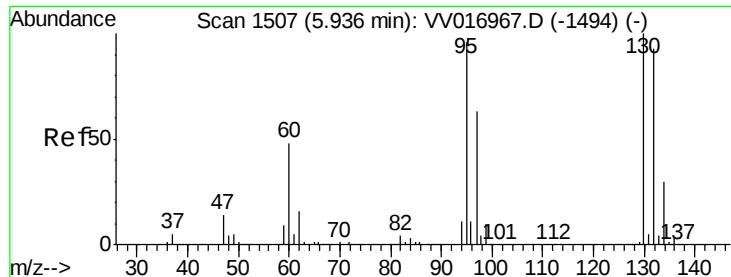
Acq: 18 Jun 2020 19:47

Tgt Ion: 78 Resp: 490225



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 52.908 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampled :

VSTD05097

Tot Ion: 95 Resp: 138591

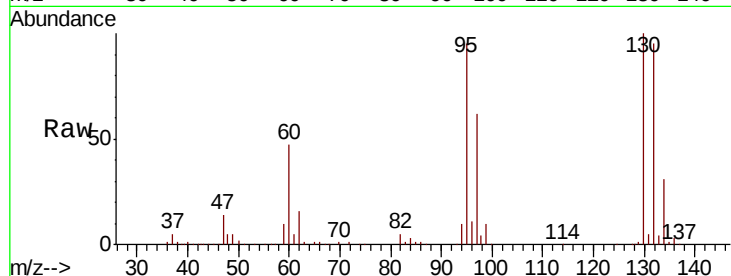
Ion Ratio Lower Upper

95 100

97 65.6 44.3 82.3

132 100.0 67.9 126.1

130 105.4 72.2 134.2

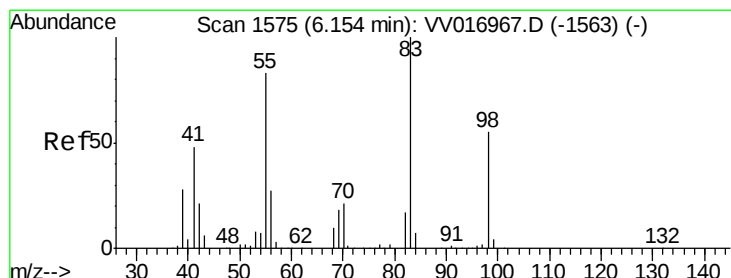
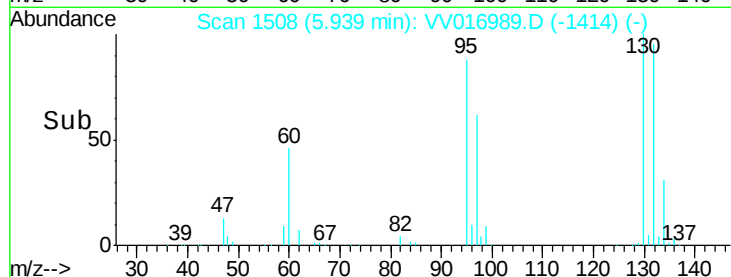
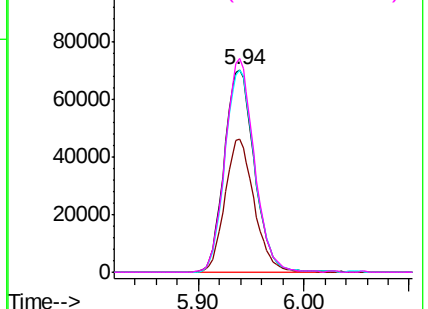


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 48.339 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

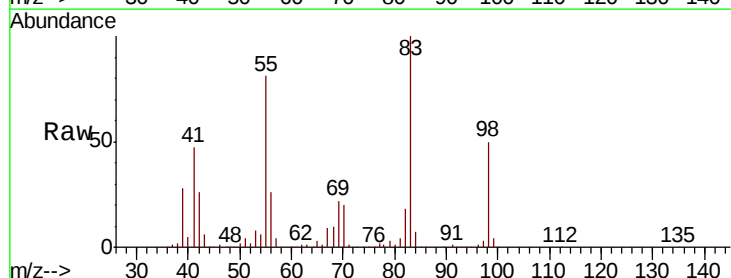
Tgt Ion: 83 Resp: 198643

Ion Ratio Lower Upper

83 100

55 79.5 64.2 96.2

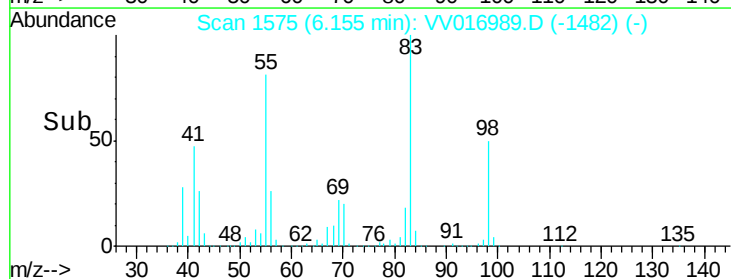
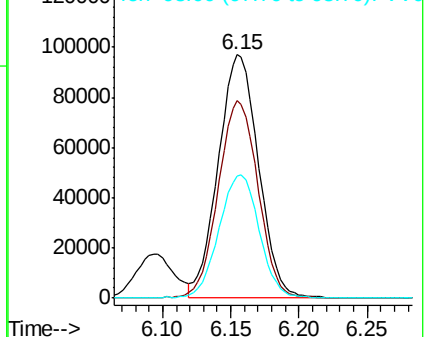
98 50.8 40.3 60.5

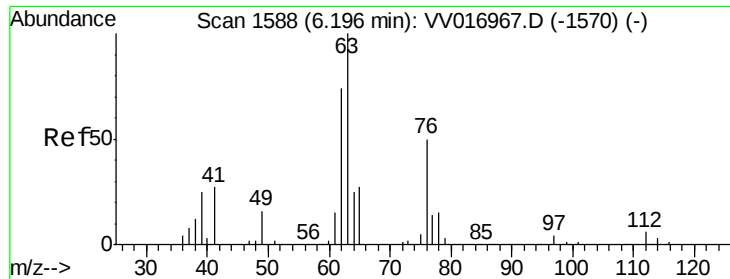


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

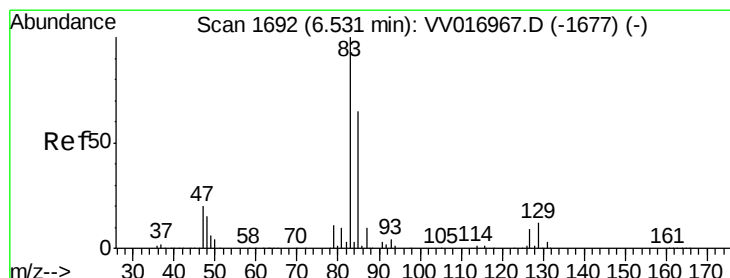
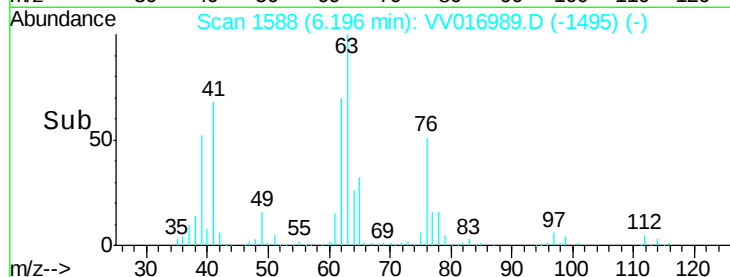
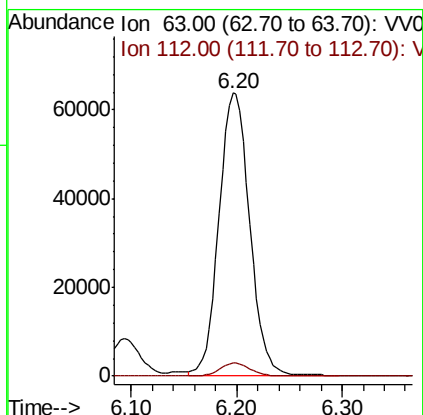
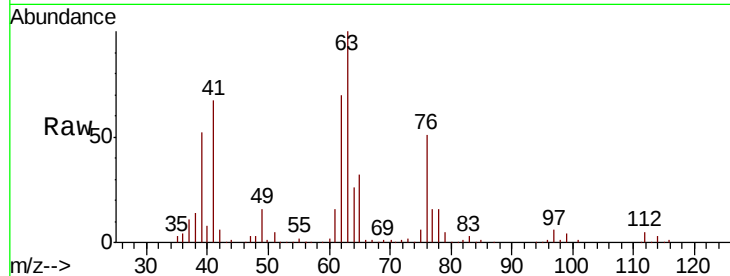




#37
 1,2-Dichloropropane
 Concen: 50.626 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

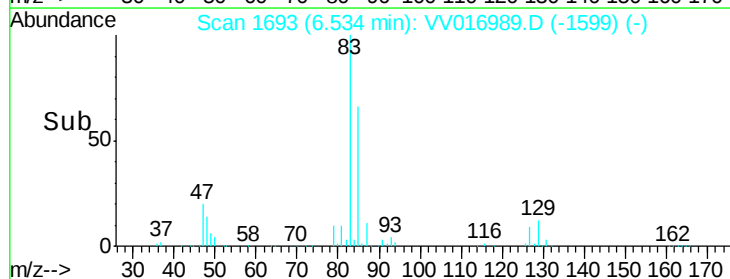
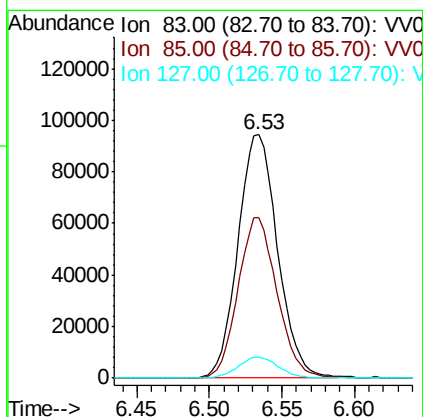
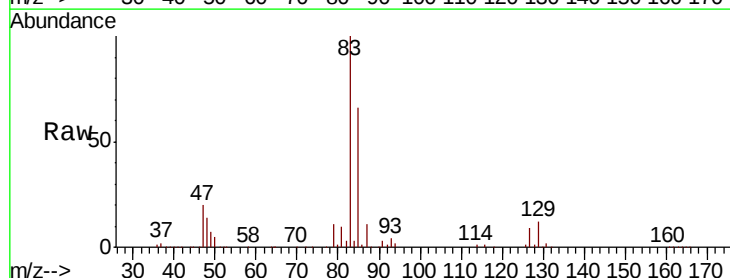
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

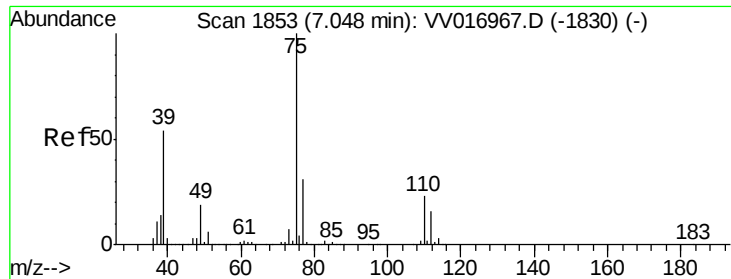
Tot Ion: 63 Resp: 128590
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.6



#38
 Bromodichloromethane
 Concen: 53.210 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

Tgt Ion: 83 Resp: 179913
 Ion Ratio Lower Upper
 83 100
 85 66.1 44.4 82.5
 127 8.7 7.4 11.0

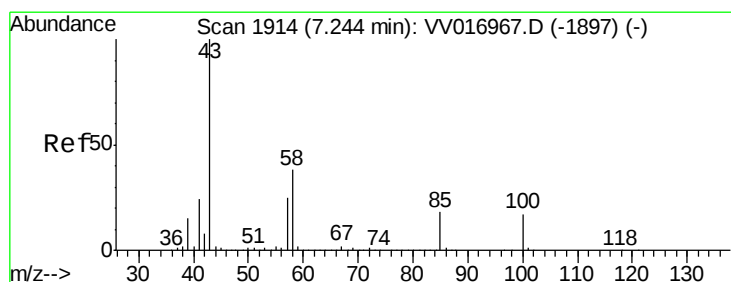
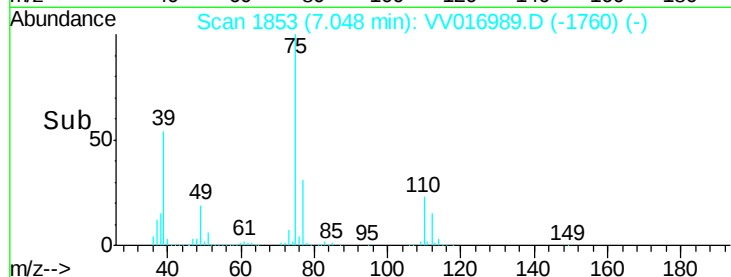
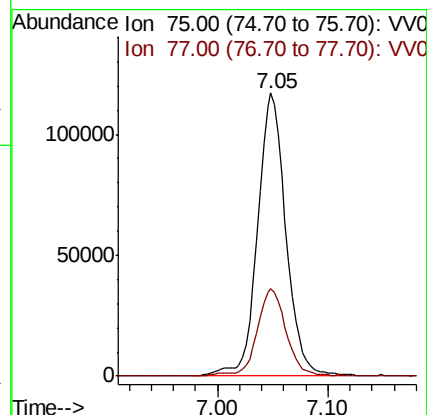
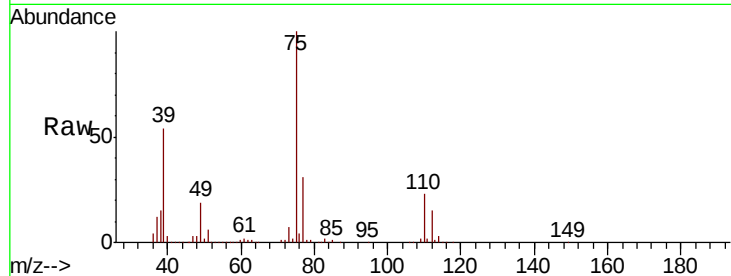




#39
 cis-1,3-Dichloropropene
 Concen: 52.763 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

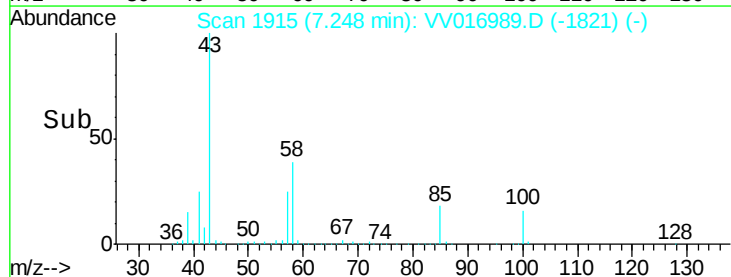
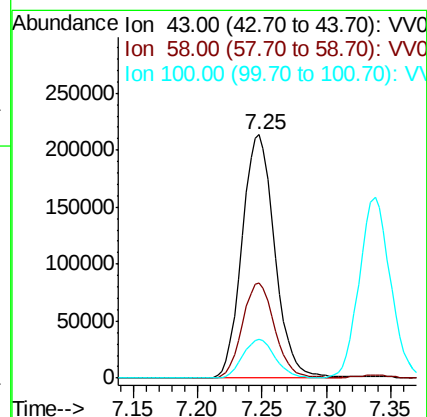
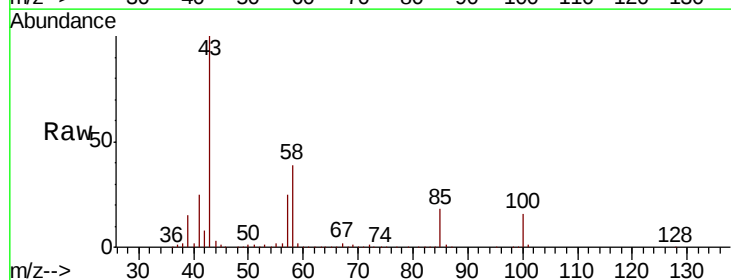
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

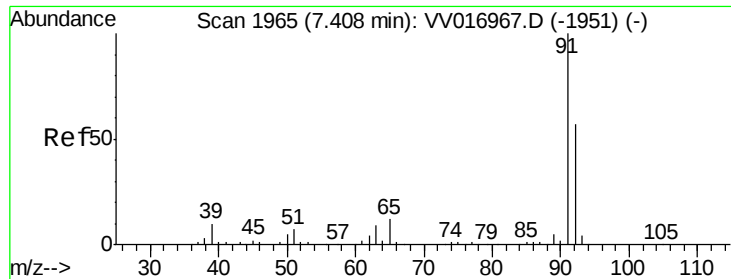
Tot Ion: 75 Resp: 208175
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 104.439 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

Tgt Ion: 43 Resp: 375896
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.2 45.4
 100 15.9 12.3 18.5





#42

Toluene

Concen: 51.501 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

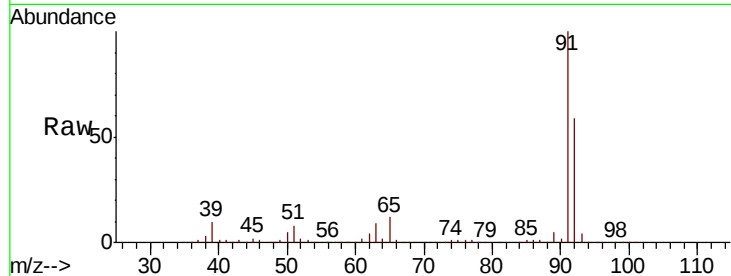
VSTD05097

Tot Ion: 91 Resp: 530264

Ion Ratio Lower Upper

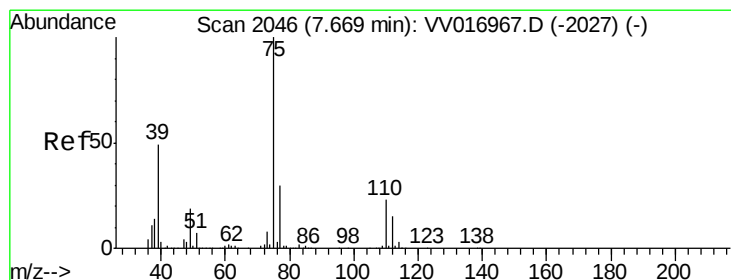
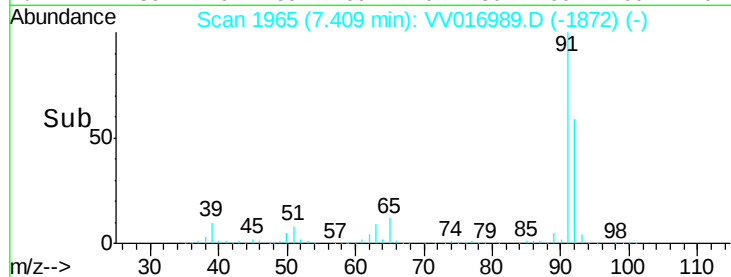
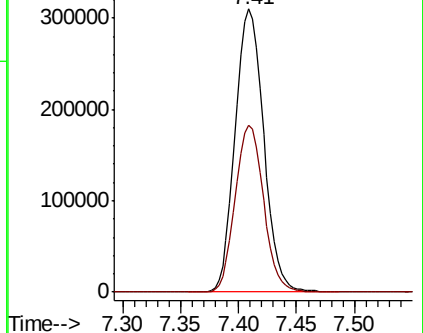
91 100

92 59.0 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV016989.D (-1953) (-)

Ion 92.00 (91.70 to 92.70): VV016989.D (-1953) (-)



#44

trans-1,3-Dichloropropene

Concen: 53.823 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016989.D

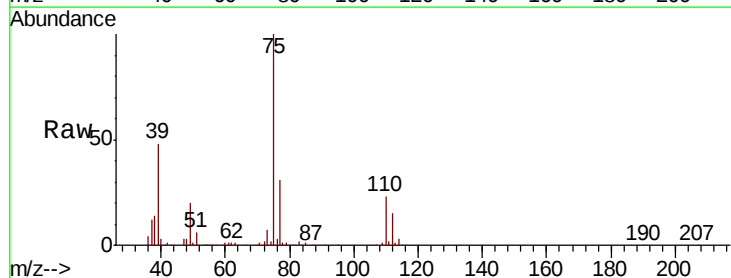
Acq: 18 Jun 2020 19:47

Tgt Ion: 75 Resp: 206453

Ion Ratio Lower Upper

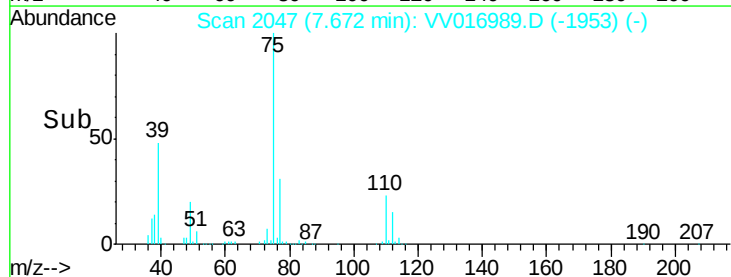
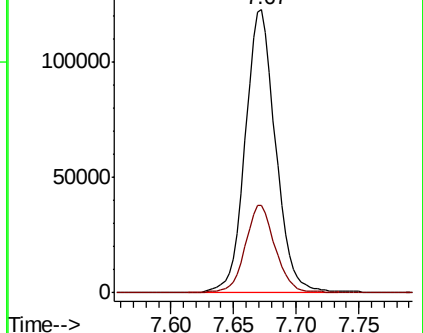
75 100

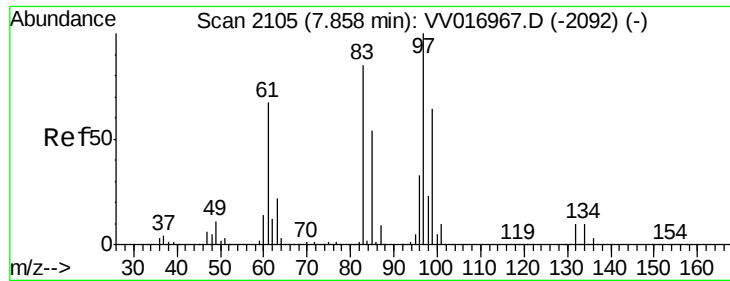
77 31.0 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV016989.D (-1953) (-)

Ion 77.00 (76.70 to 77.70): VV016989.D (-1953) (-)

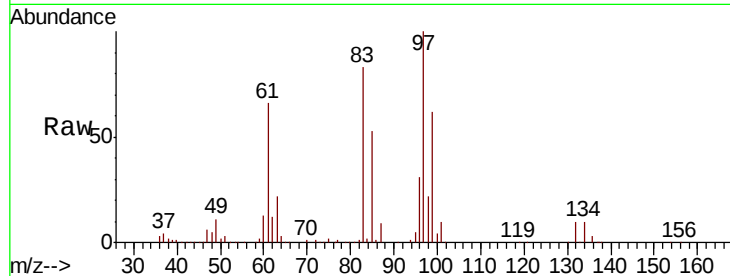




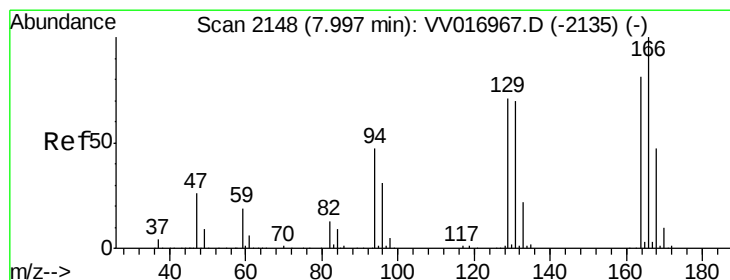
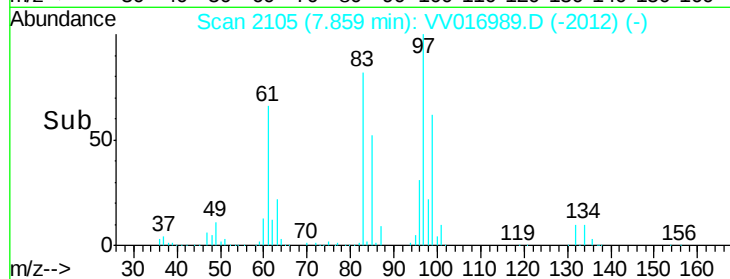
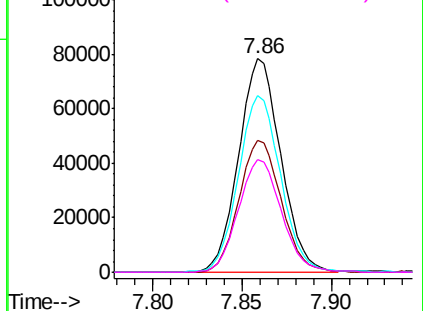
#45
 1,1,2-Trichloroethane
 Concen: 52.959 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tot Ion:	97	Resp:	129777
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.3	82.3
83	82.6	60.0	111.4
85	52.5	39.5	73.3

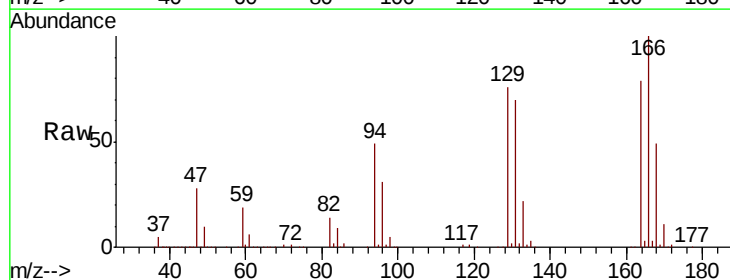


Abundance Ion 97.00 (96.70 to 97.70): VV016989.D (-2012) (-)
 Ion 99.00 (98.70 to 99.70): VV016989.D (-2012) (-)
 Ion 83.00 (82.70 to 83.70): VV016989.D (-2012) (-)
 Ion 85.00 (84.70 to 85.70): VV016989.D (-2012) (-)

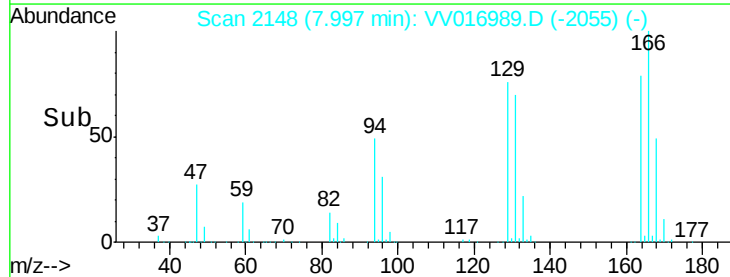
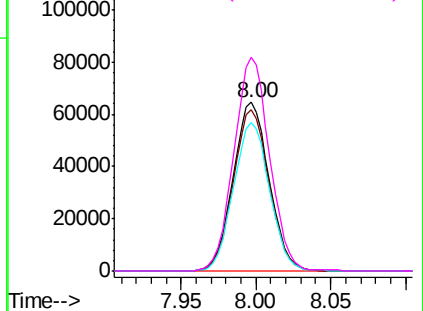


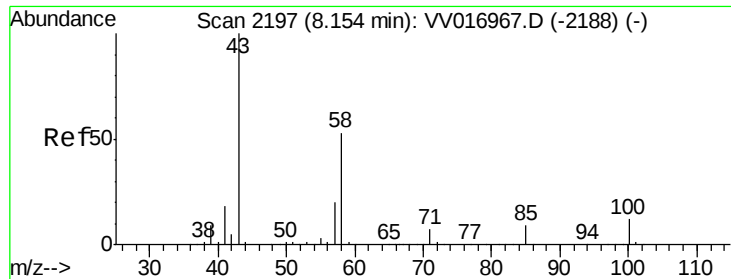
#46
 Tetrachloroethene
 Concen: 52.528 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

Tgt Ion:	164	Resp:	108216
Ion	Ratio	Lower	Upper
164	100		
129	96.1	67.0	124.4
131	88.2	64.8	120.3
166	126.8	90.4	167.8



Abundance Ion 164.00 (163.70 to 164.70): VV016989.D (-2055) (-)
 Ion 129.00 (128.70 to 129.70): VV016989.D (-2055) (-)
 Ion 131.00 (130.70 to 131.70): VV016989.D (-2055) (-)
 Ion 166.00 (165.70 to 166.70): VV016989.D (-2055) (-)

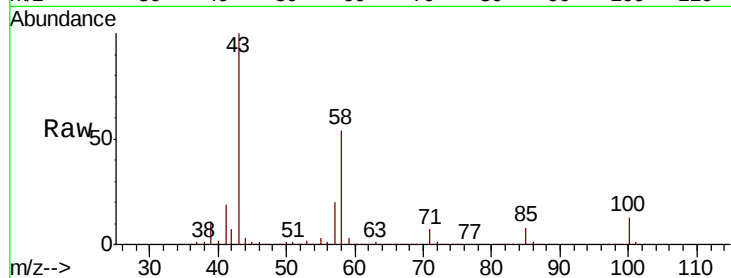




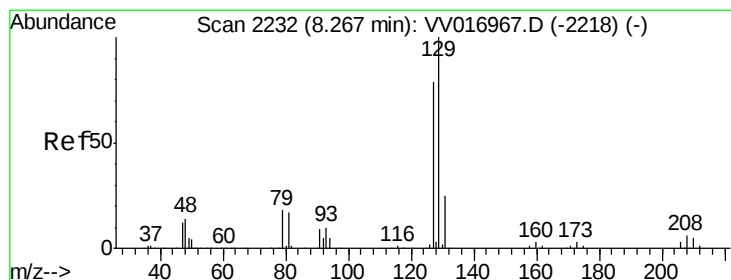
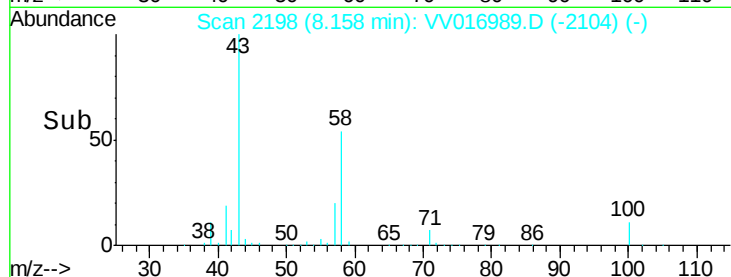
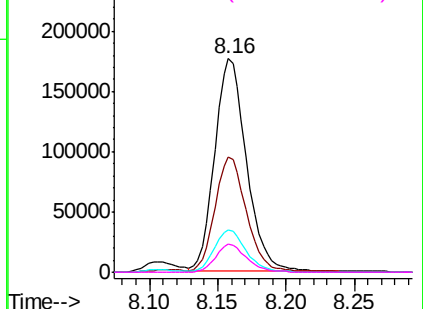
#48
2-Hexanone
Concen: 102.352 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016989.D
Acq: 18 Jun 2020 19:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tot Ion: 43 Resp: 285634
Ion Ratio Lower Upper
43 100
58 53.7 43.1 64.7
57 19.6 15.3 22.9
100 13.0 10.0 15.0

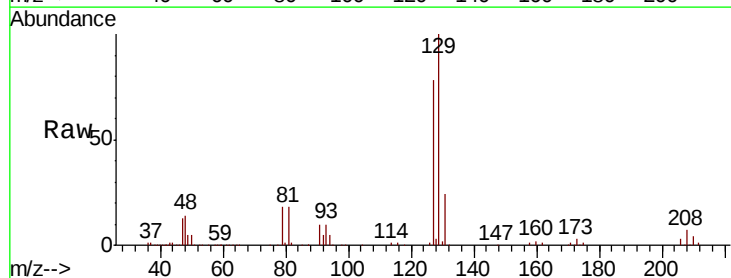


Abundance Ion 43.00 (42.70 to 43.70): VV016967.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV016967.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV016967.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV016967.D (-2188) (-)

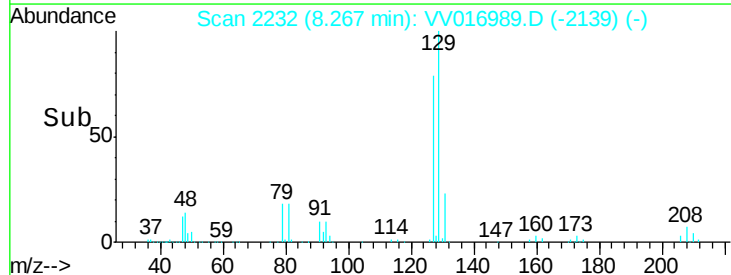
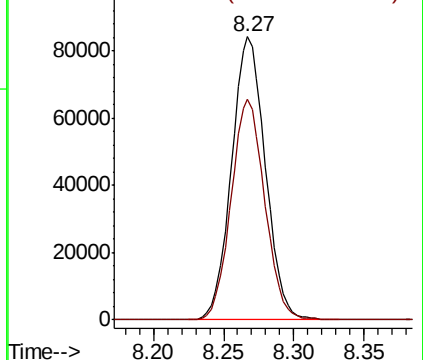


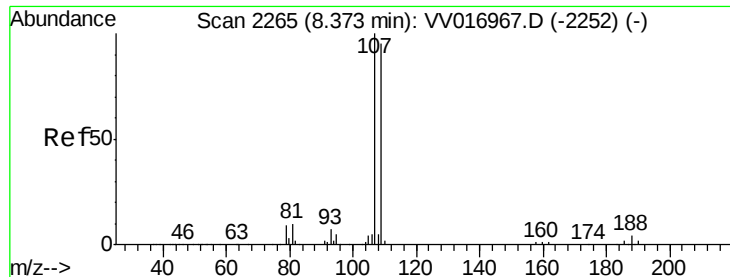
#49
Dibromochloromethane
Concen: 54.013 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016989.D
Acq: 18 Jun 2020 19:47

Tgt Ion: 129 Resp: 141521
Ion Ratio Lower Upper
129 100
127 77.8 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV016967.D (-2218) (-)
Ion 127.00 (126.70 to 127.70): VV016967.D (-2218) (-)

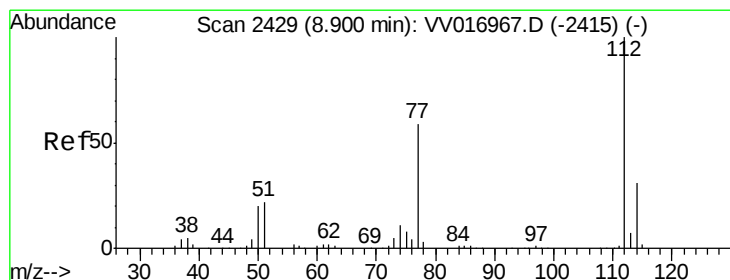
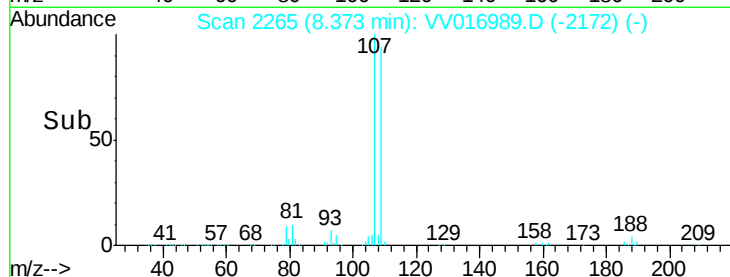
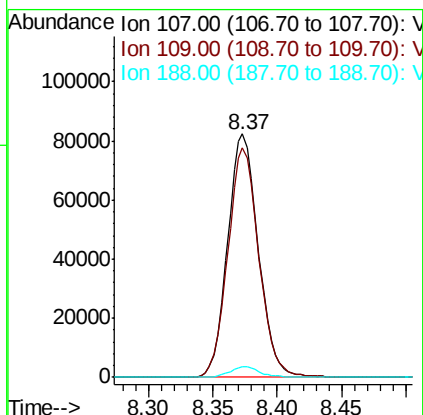
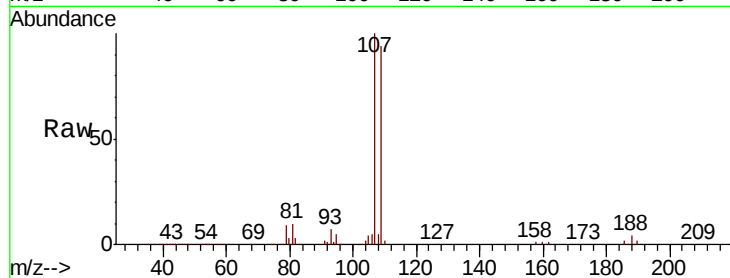




#50
 1,2-Dibromoethane
 Concen: 52.973 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

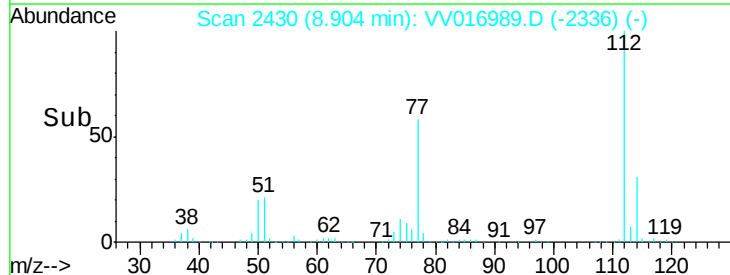
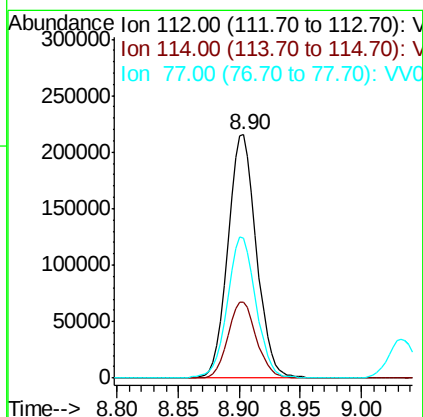
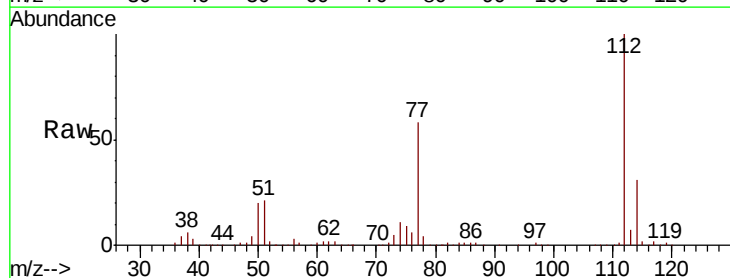
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

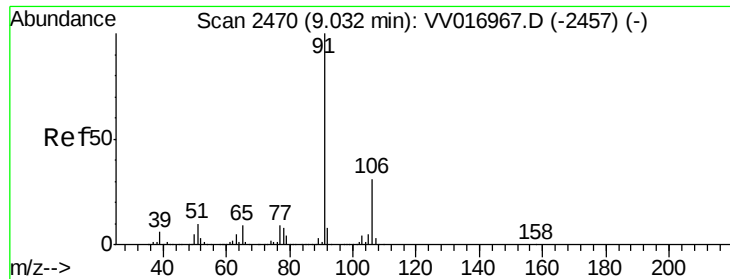
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.4	123.2
188	4.4	3.1	4.7



#51
 Chlorobenzene
 Concen: 52.366 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.3	41.3
77	57.6	47.9	71.9





#52

Ethylbenzene

Concen: 52.831 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

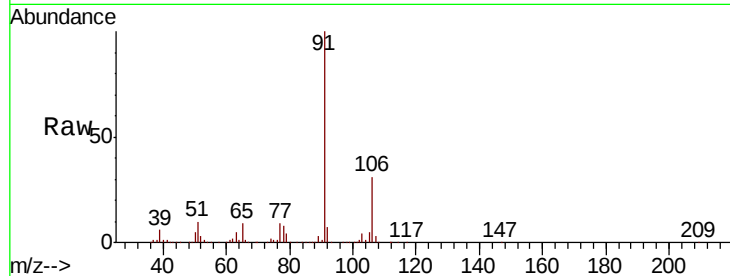
VSTD05097

Tot Ion: 91 Resp: 602507

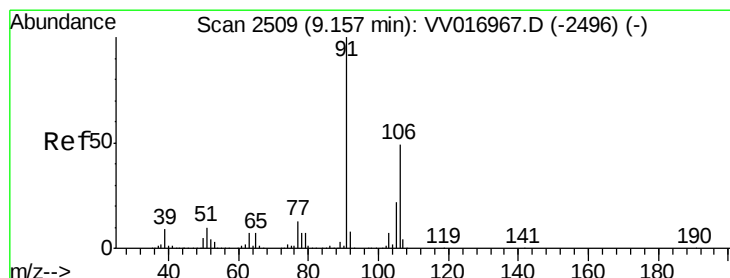
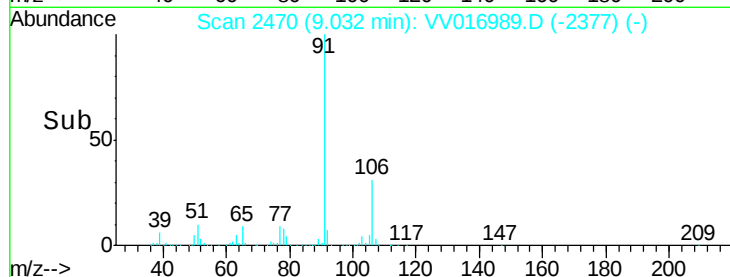
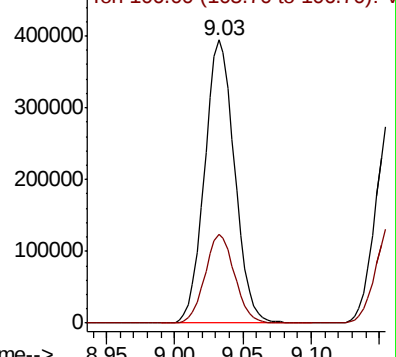
Ion Ratio Lower Upper

91 100

106 31.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016989.D (-2377) (-)



#53

m,p-Xylene

Concen: 53.086 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016989.D

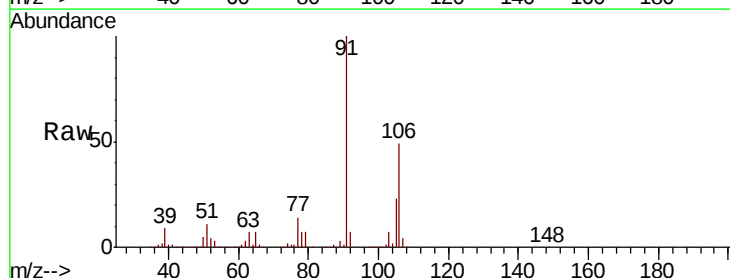
Acq: 18 Jun 2020 19:47

Tgt Ion: 106 Resp: 225416

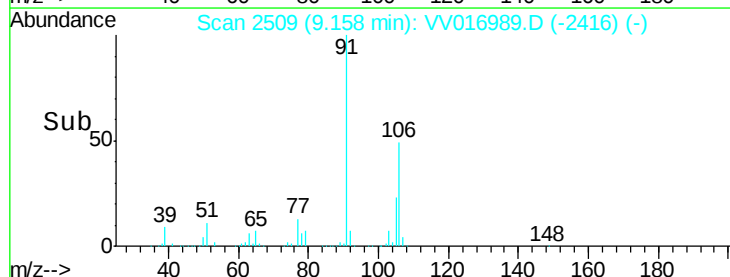
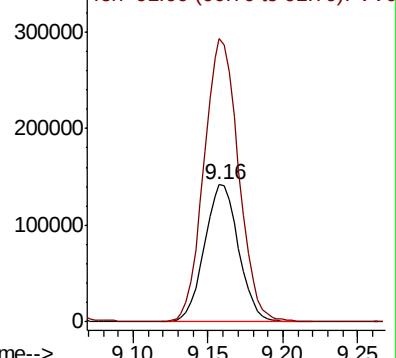
Ion Ratio Lower Upper

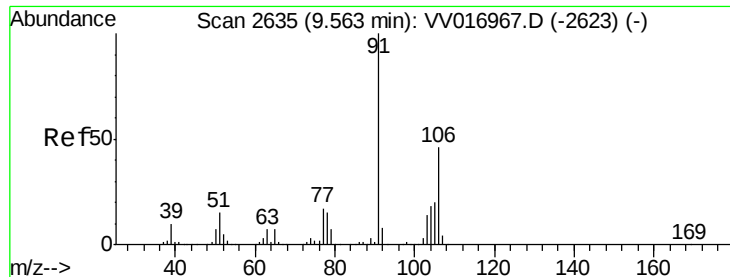
106 100

91 206.2 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016989.D (-2416) (-)





#54

o-xylene

Concen: 53.336 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

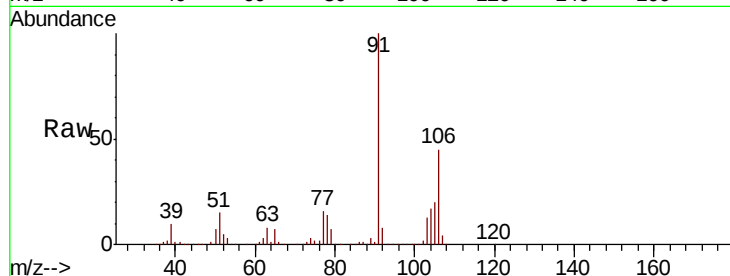
VSTD05097

Tot Ion:106 Resp: 223365

Ion Ratio Lower Upper

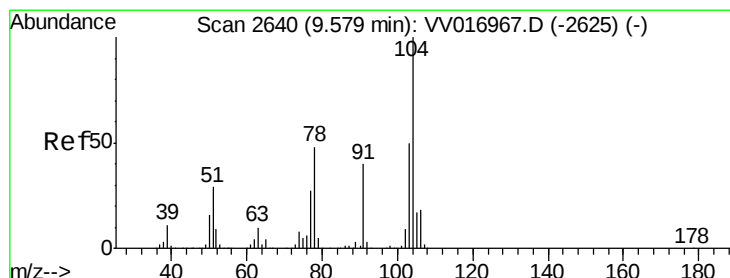
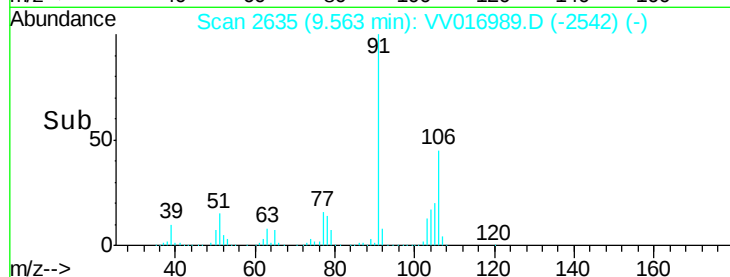
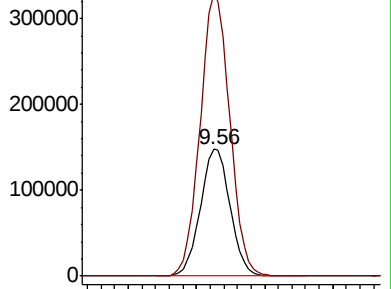
106 100

91 222.6 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.708 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV016989.D

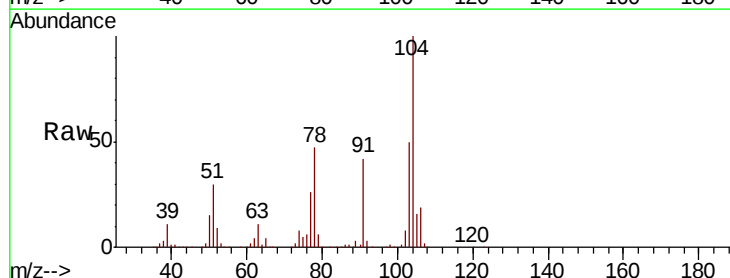
Acq: 18 Jun 2020 19:47

Tgt Ion:104 Resp: 387354

Ion Ratio Lower Upper

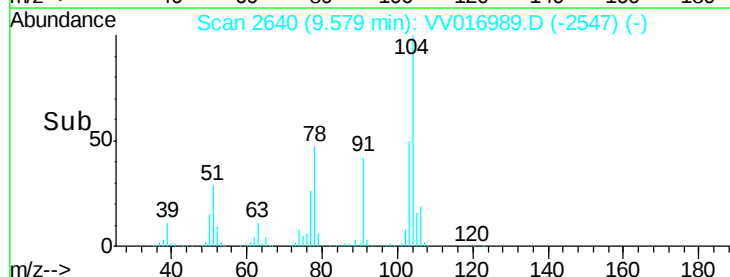
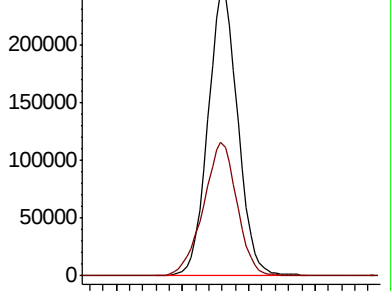
104 100

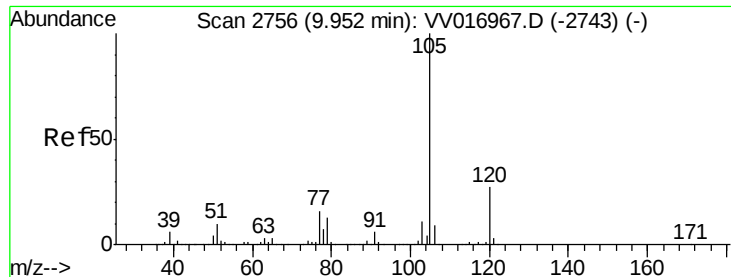
78 47.1 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.898 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

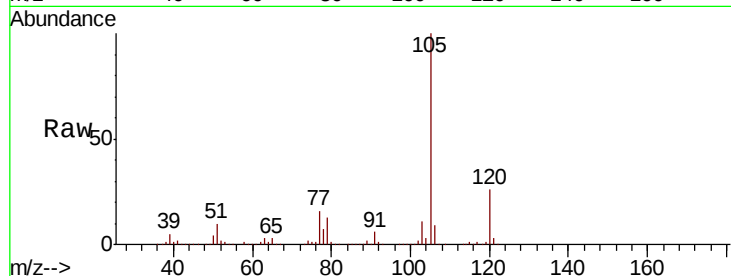
Tot Ion:105 Resp: 606500

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

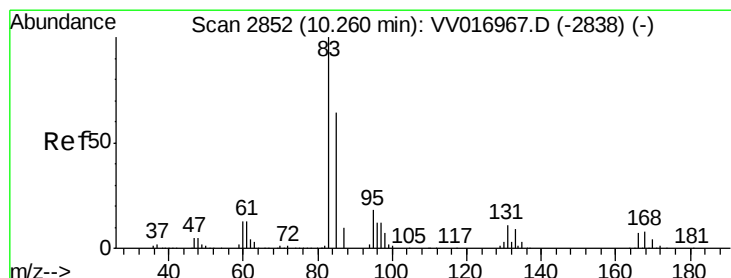
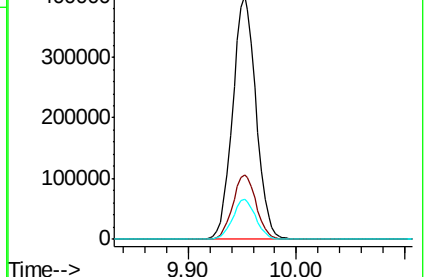
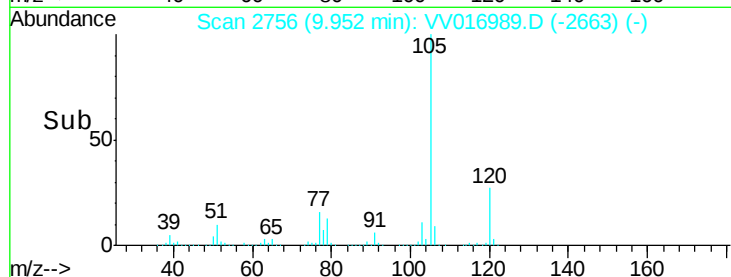
77 16.3 13.0 19.4



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: 51.034 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

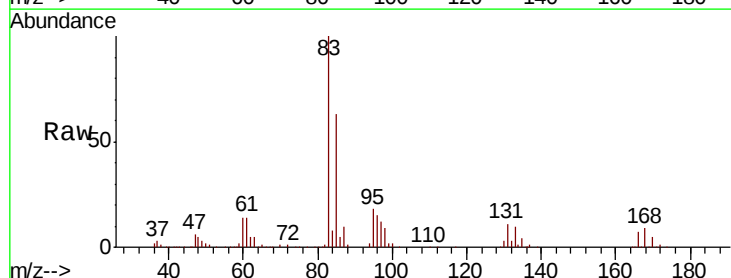
Tgt Ion: 83 Resp: 191743

Ion Ratio Lower Upper

83 100

85 63.0 46.8 86.8

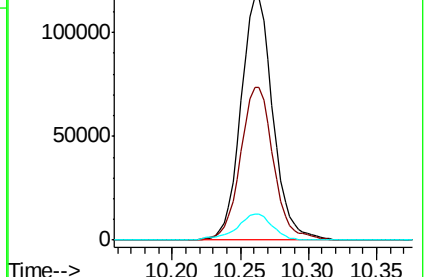
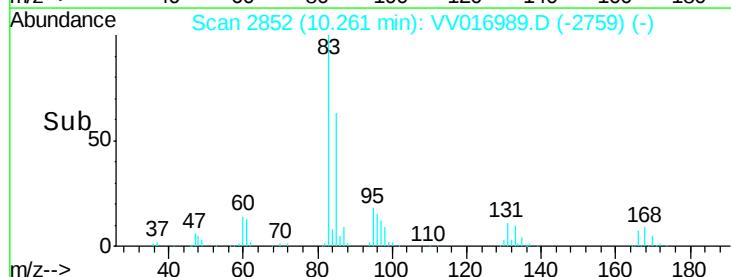
131 10.9 7.9 11.9

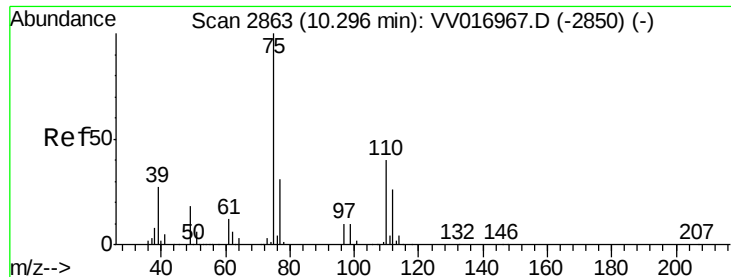


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.514 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

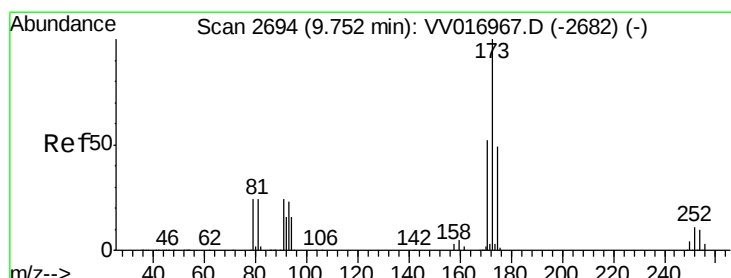
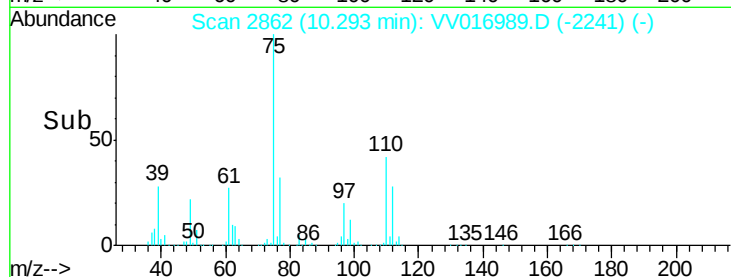
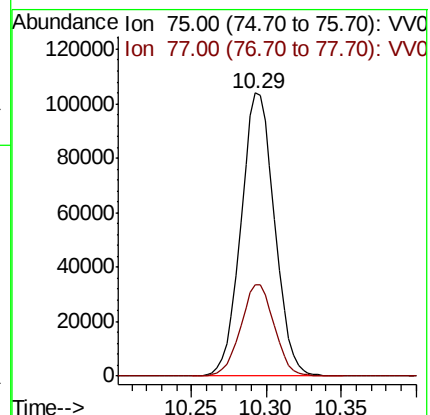
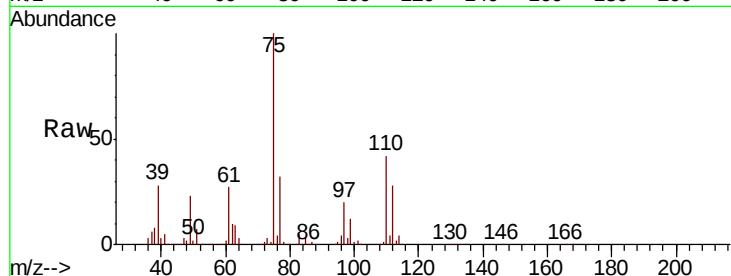
VSTD05097

Tot Ion: 75 Resp: 162343

Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1



#61

Bromoform

Concen: 53.287 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

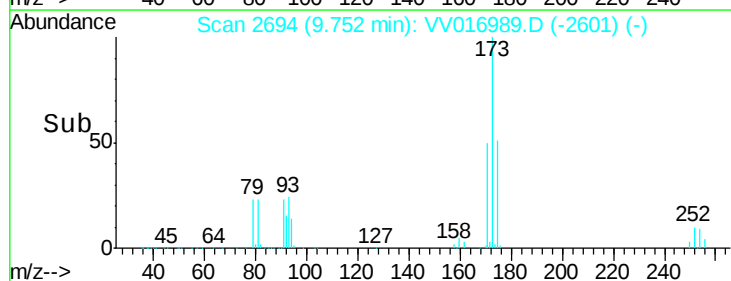
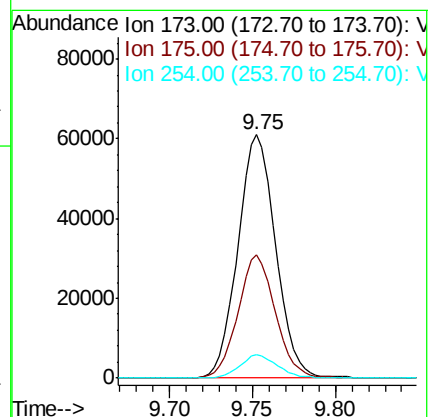
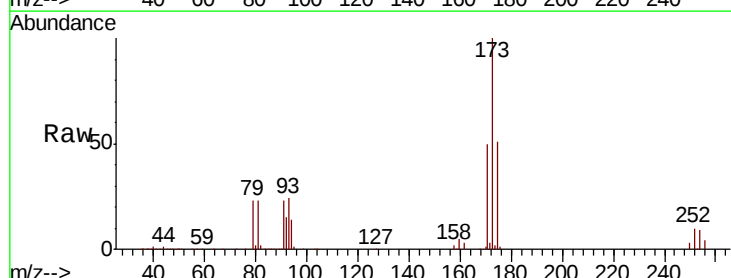
Tgt Ion: 173 Resp: 96289

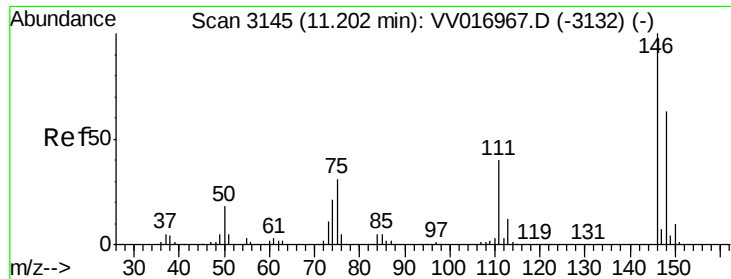
Ion Ratio Lower Upper

173 100

175 50.2 39.0 58.4

254 9.4 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 51.247 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

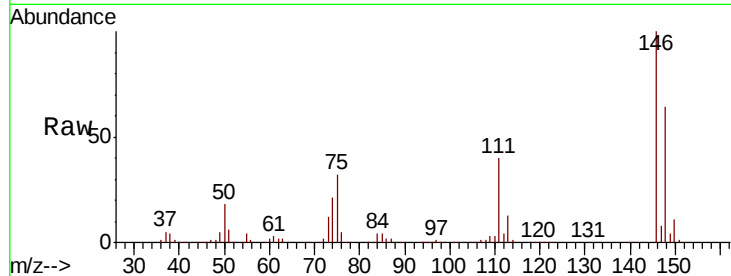
Tot Ion:146 Resp: 285152

Ion Ratio Lower Upper

146 100

111 39.6 28.3 52.7

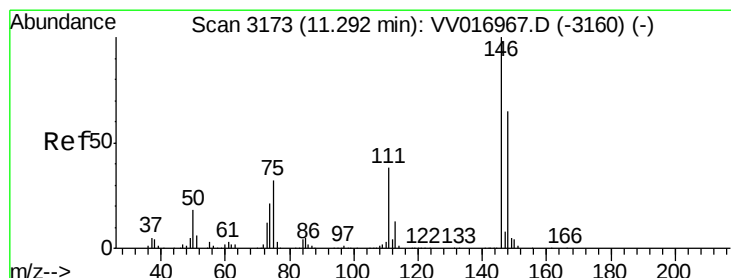
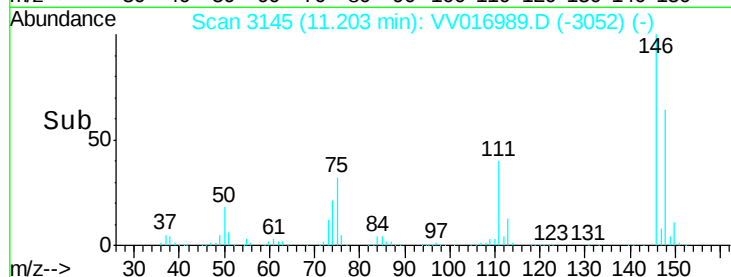
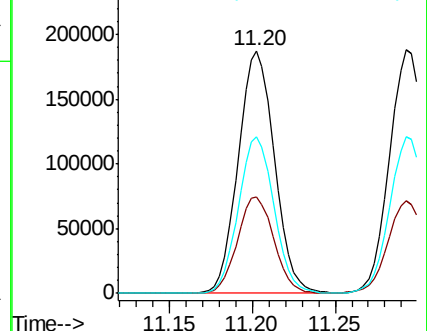
148 64.5 44.2 82.2



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: 50.542 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

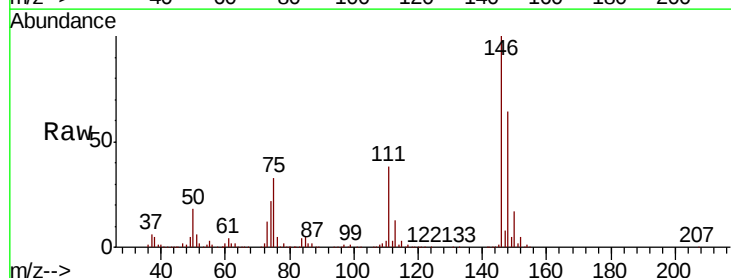
Tgt Ion:146 Resp: 286139

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.7

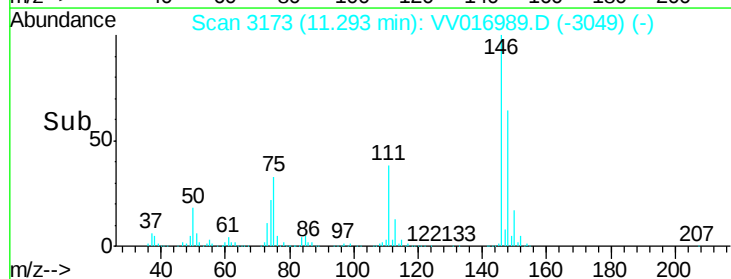
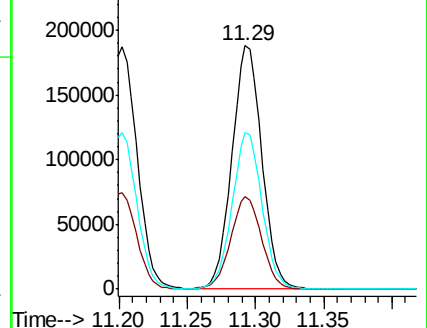
148 64.3 43.5 80.9

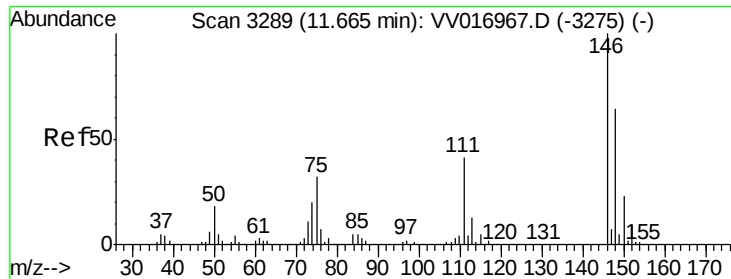


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.865 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

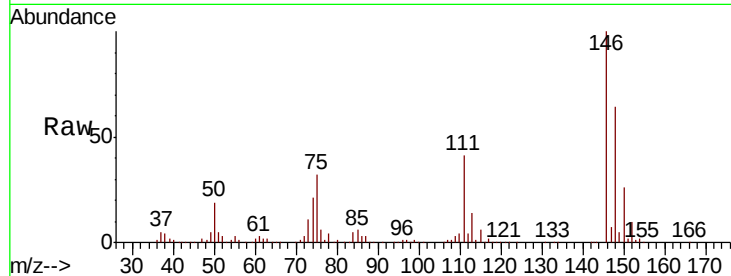
Tot Ion:146 Resp: 289208

Ion Ratio Lower Upper

146 100

111 41.3 33.7 50.5

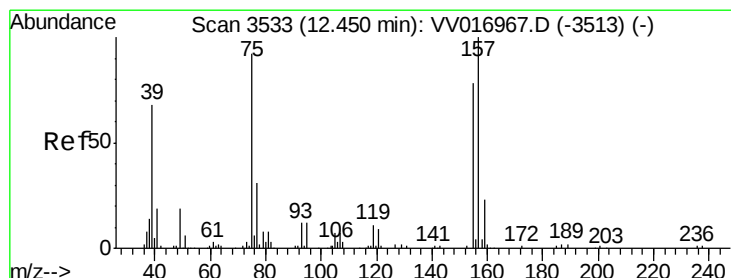
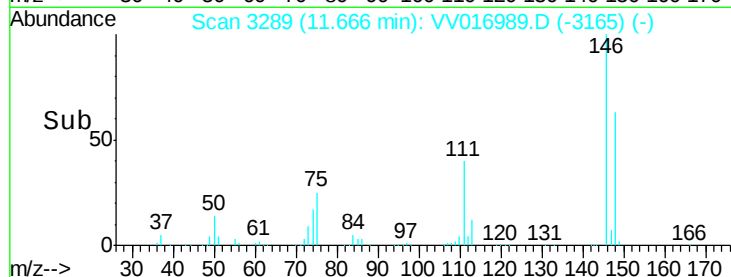
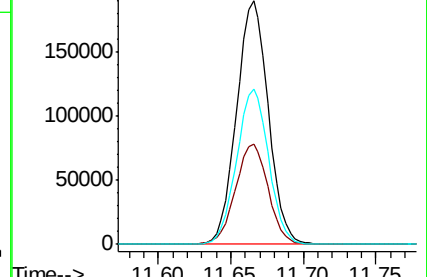
148 63.8 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 48.391 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

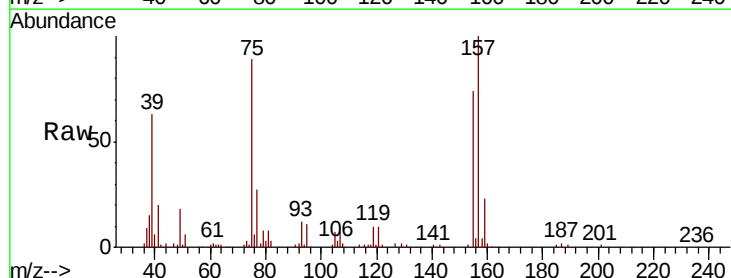
Tgt Ion: 75 Resp: 42429

Ion Ratio Lower Upper

75 100

155 83.3 69.8 104.6

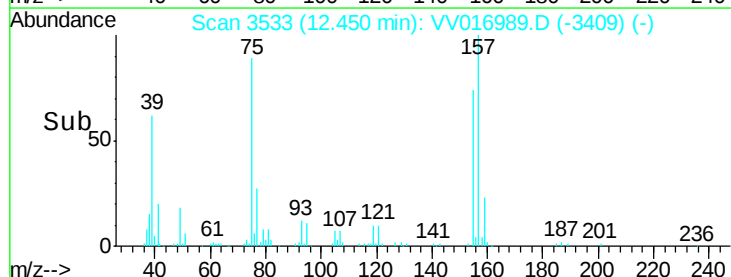
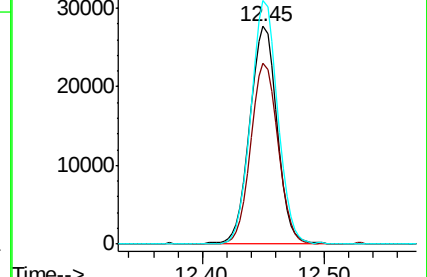
157 112.0 83.4 125.2

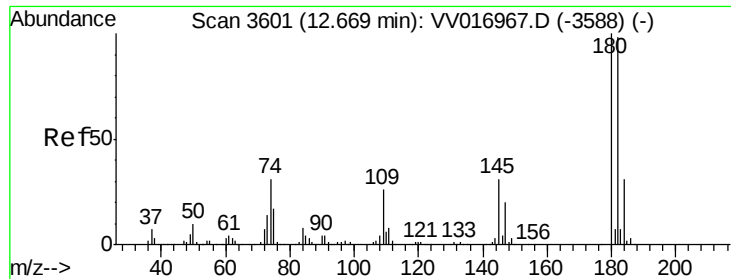


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

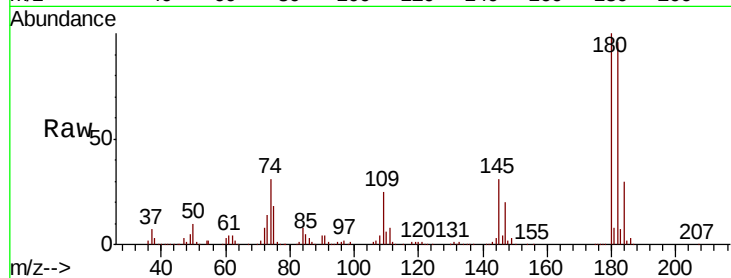




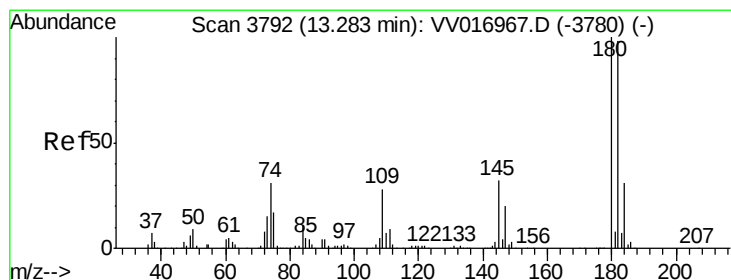
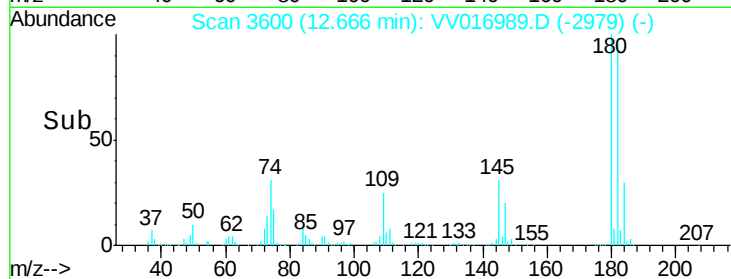
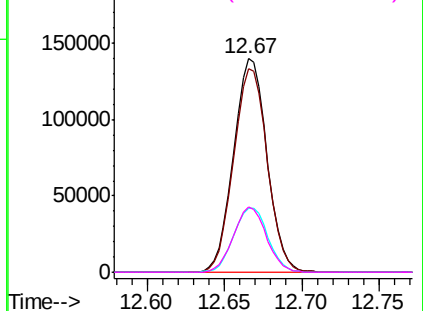
#67
 1,3,5-Trichlorobenzene
 Concen: 50.555 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tot Ion:180	Resp:	209765
Ion Ratio	Lower	Upper
180	100	
182	96.1	75.0 112.6
184	30.9	24.5 36.7
145	30.2	24.4 36.6

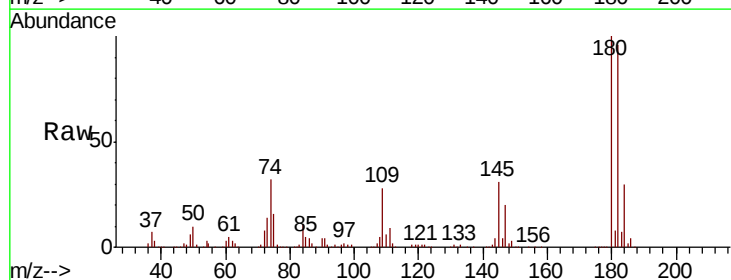


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

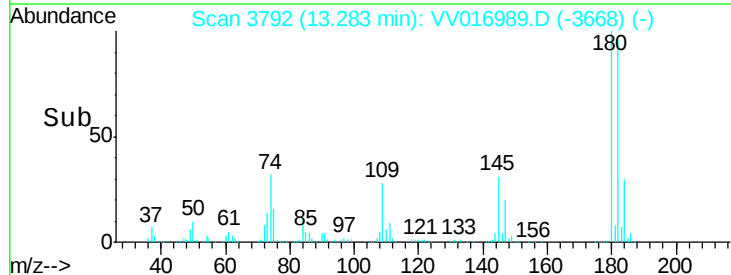
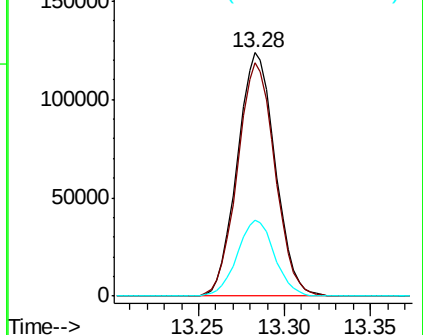


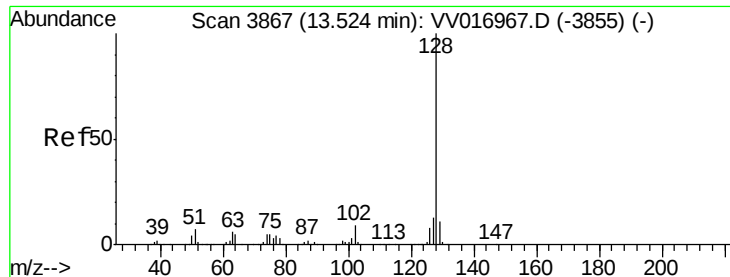
#68
 1,2,4-trichlorobenzene
 Concen: 49.686 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV016989.D
 Acq: 18 Jun 2020 19:47

Tgt Ion:180	Resp:	189095
Ion Ratio	Lower	Upper
180	100	
182	95.0	76.9 115.3
145	30.6	25.2 37.8



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





#69

Naphthalene

Concen: 51.539 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

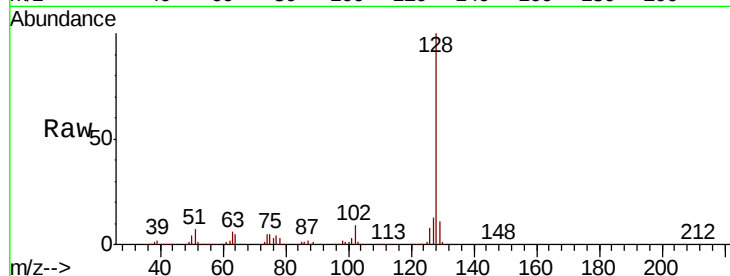
Tot Ion:128 Resp: 564223

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

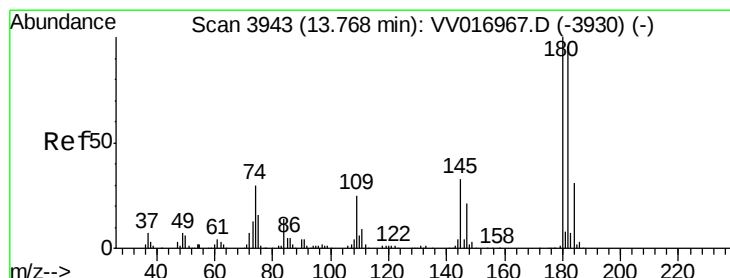
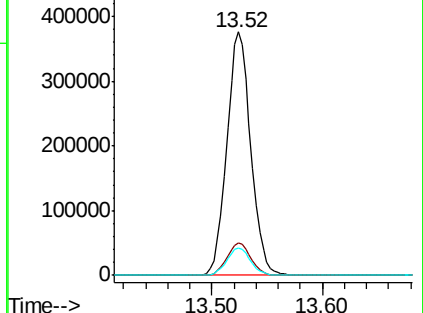
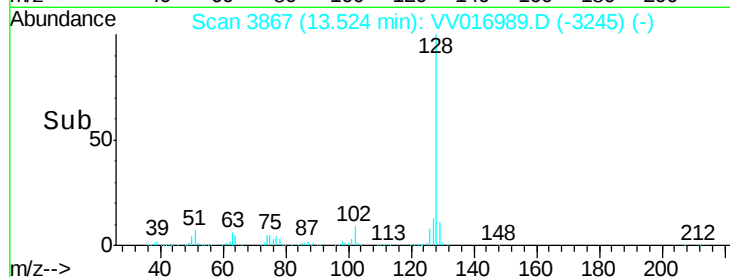
129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.824 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV016989.D

Acq: 18 Jun 2020 19:47

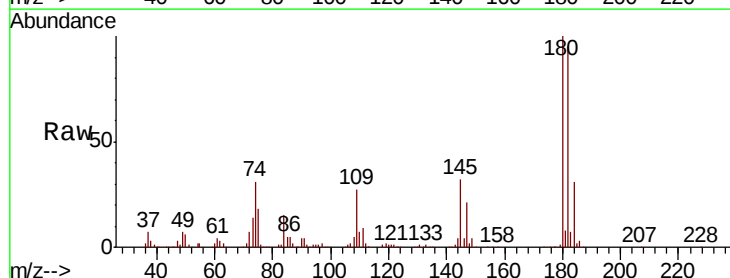
Tgt Ion:180 Resp: 189261

Ion Ratio Lower Upper

180 100

182 95.9 76.5 114.7

145 33.0 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

