

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016671.D
 Acq On : 08 Jun 2020 19:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Quant Time: Jun 09 01:10:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 01:02:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	381399	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	360499	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	182604	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	129323	48.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.10%
7) Chloroethane-d5	1.56	69	84471	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.62%
11) 1,1-Dichloroethene-d2	2.12	63	218816	48.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.84%
21) 2-Butanone-d5	3.90	46	208002	104.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.43%
24) Chloroform-d	4.37	84	272125	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
26) 1,2-Dichloroethane-d4	5.05	65	184929	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
32) Benzene-d6	5.07	84	514836	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
36) 1,2-Dichloropropane-d6	6.09	67	161367	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.64%
41) Toluene-d8	7.34	98	472831	49.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.16%
43) trans-1,3-Dichloropropene-	7.64	79	80825	47.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.82%
47) 2-Hexanone-d5	8.11	63	151244	107.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.09%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	218583	50.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	194131	49.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	145692	48.182	ug/L 99
3) Chloromethane	1.25	50	136070	49.207	ug/L 98
5) Vinyl chloride	1.32	62	133562	49.116	ug/L 98
6) Bromomethane	1.51	94	48807	43.095	ug/L 96
8) Chloroethane	1.58	64	68759	51.189	ug/L 98
9) Trichlorofluoromethane	1.76	101	194342	47.757	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96362	47.521	ug/L 99
12) 1,1-Dichloroethene	2.13	96	89639	47.354	ug/L 96
13) Acetone	2.17	43	104438	79.578	ug/L 98
14) Carbon disulfide	2.31	76	325491	47.491	ug/L 100
15) Methyl Acetate	2.44	43	145273	49.663	ug/L 99
16) Methylene chloride	2.52	84	136046	48.977	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	123907	48.007	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	423213	49.486	ug/L 99
19) 1,1-Dichloroethane	3.21	63	237717	48.930	ug/L 97
22) 2-Butanone	3.98	43	201652	99.639	ug/L 98
23) Bromochloromethane	4.27	128	71710	48.379	ug/L 94

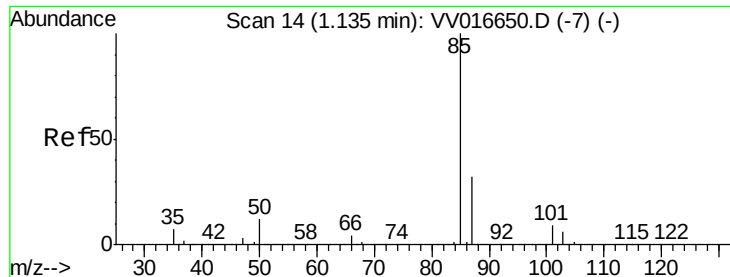
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016671.D
 Acq On : 08 Jun 2020 19:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Quant Time: Jun 09 01:10:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 01:02:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	247216	49.514	ug/L	97
27) 1,2-Dichloroethane	5.15	62	208984	49.931	ug/L	98
29) Cyclohexane	4.70	56	215291	48.058	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	224646	48.864	ug/L	100
31) Carbon tetrachloride	4.85	117	195070	49.047	ug/L	99
33) Benzene	5.12	78	517207	48.491	ug/L	100
34) Trichloroethene	5.94	95	138387	48.377	ug/L	98
35) Methylcyclohexane	6.15	83	213431	47.559	ug/L	98
37) 1,2-Dichloropropane	6.20	63	135924	49.003	ug/L	100
38) Bromodichloromethane	6.53	83	177679	48.119	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	206115	47.837	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	403785	102.730	ug/L	99
42) Toluene	7.41	91	557764	49.605	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	205954	49.167	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	132327	49.447	ug/L	97
46) Tetrachloroethene	8.00	164	106259	47.230	ug/L	99
48) 2-Hexanone	8.16	43	310986	102.043	ug/L	99
49) Dibromochloromethane	8.27	129	140205	49.000	ug/L	98
50) 1,2-Dibromoethane	8.37	107	138599	49.457	ug/L	99
51) Chlorobenzene	8.90	112	355814	48.503	ug/L	100
52) Ethylbenzene	9.03	91	621756	49.923	ug/L	100
53) m,p-Xylene	9.16	106	233313	50.314	ug/L	99
54) o-xylene	9.57	106	229264	50.130	ug/L	95
55) Styrene	9.58	104	392519	50.764	ug/L	99
56) Isopropylbenzene	9.95	105	617520	50.251	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	204429	49.823	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	171581	49.856	ug/L	99
61) Bromoform	9.75	173	95327	50.753	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	285067	49.288	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	287133	48.793	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	291464	50.286	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	47232	51.825	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	210197	48.738	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	196265	49.614	ug/L	99
69) Naphthalene	13.53	128	605940	53.250	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	193854	50.083	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.182 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

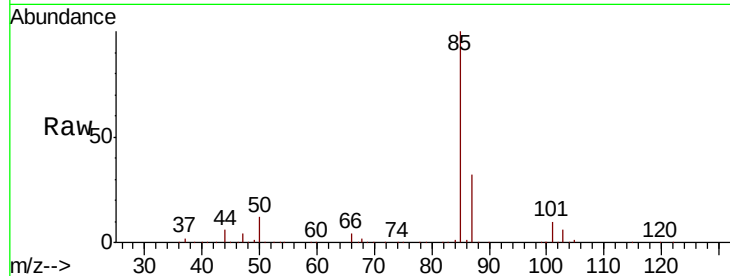
VSTD05073

Tot Ion: 85 Resp: 145692

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

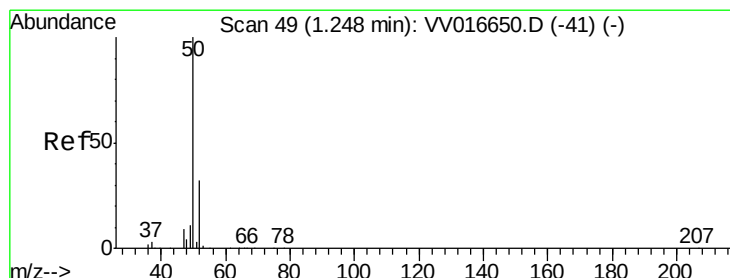
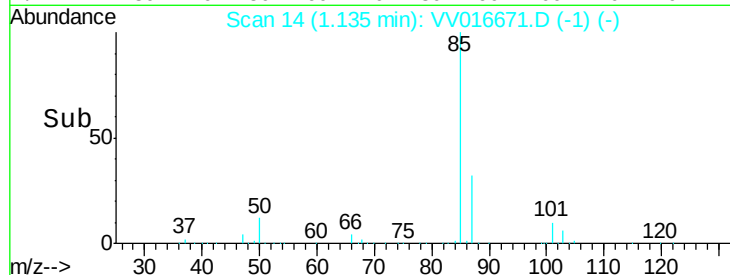
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.207 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016671.D

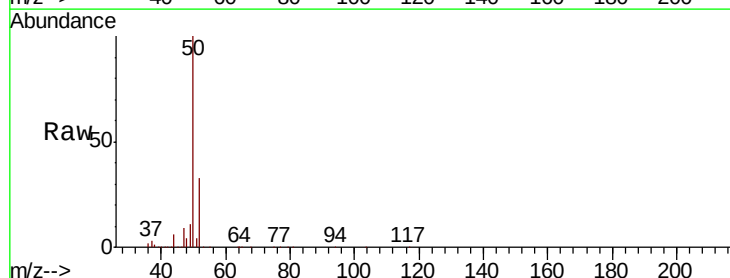
Acq: 08 Jun 2020 19:47

Tgt Ion: 50 Resp: 136070

Ion Ratio Lower Upper

50 100

52 33.1 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

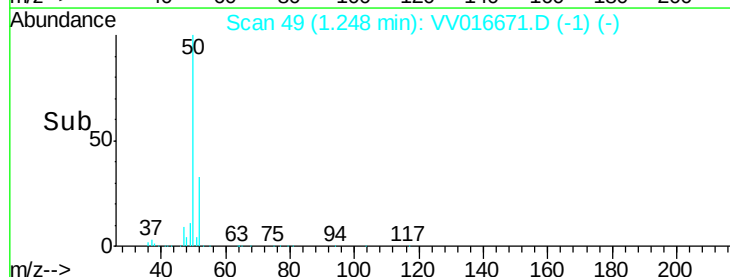
150000

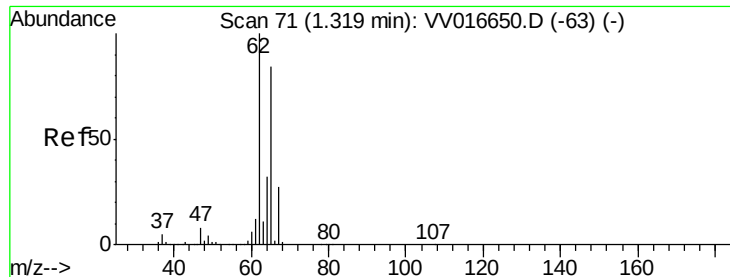
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.116 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

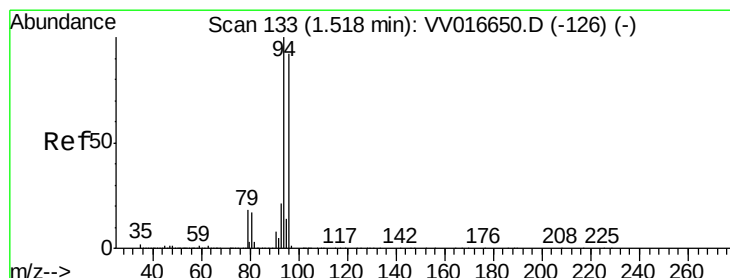
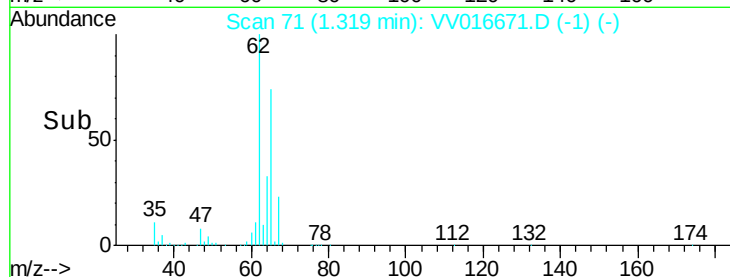
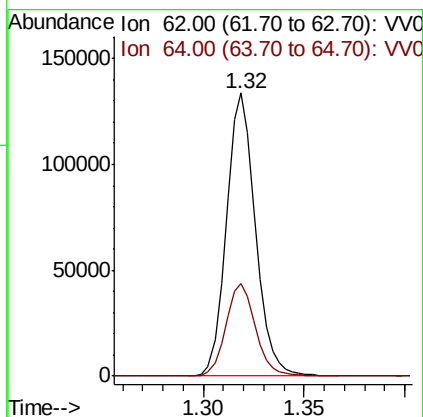
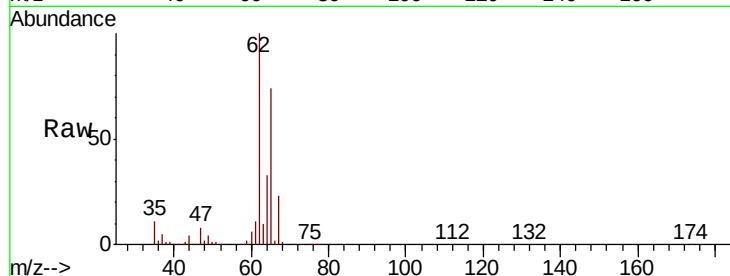
VSTD05073

Tot Ion: 62 Resp: 133562

Ion Ratio Lower Upper

62 100

64 32.9 22.3 41.5



#6

Bromomethane

Concen: 43.095 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV016671.D

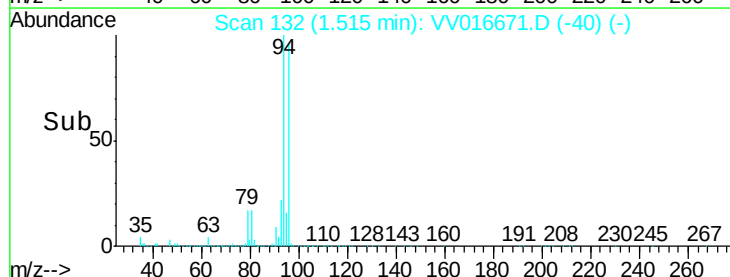
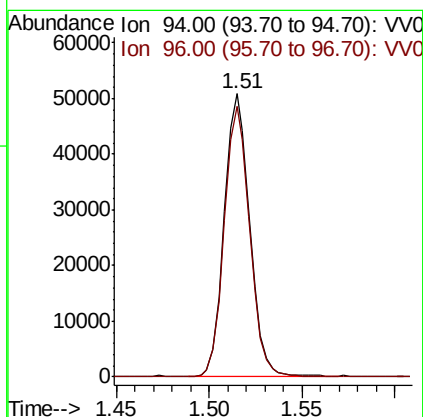
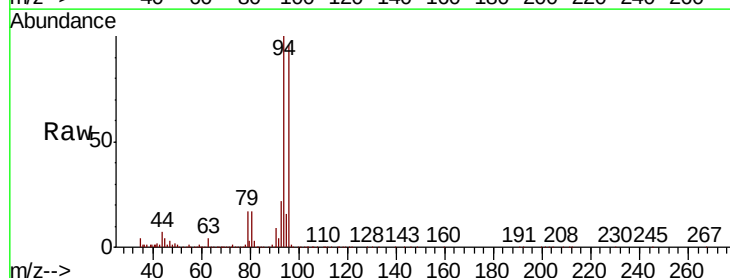
Acq: 08 Jun 2020 19:47

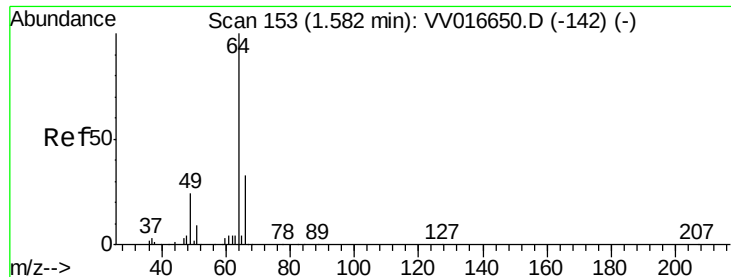
Tgt Ion: 94 Resp: 48807

Ion Ratio Lower Upper

94 100

96 95.8 64.5 119.9





#8

Chloroethane

Concen: 51.189 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

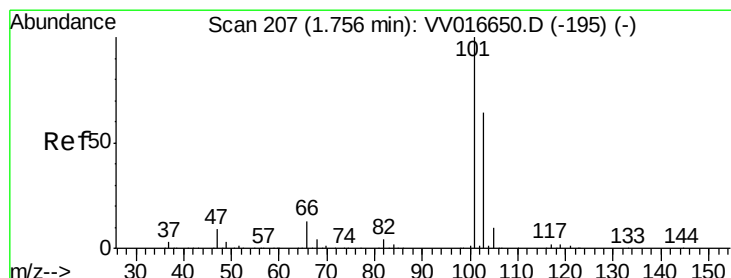
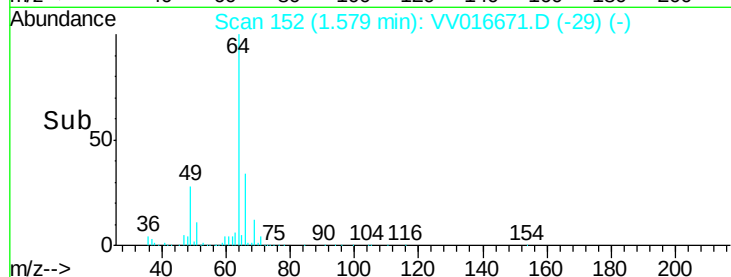
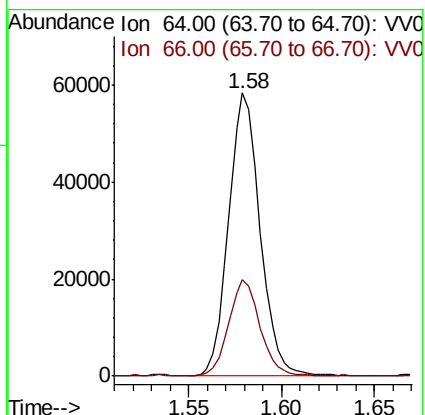
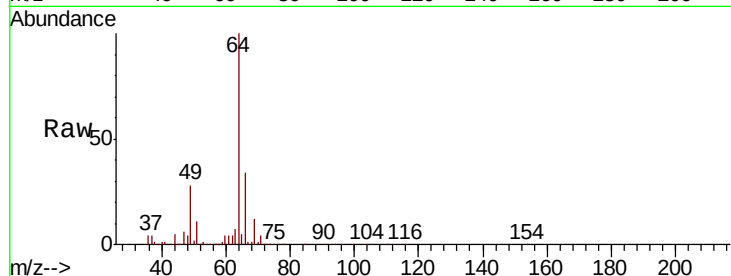
VSTD05073

Tot Ion: 64 Resp: 68759

Ion Ratio Lower Upper

64 100

66 34.2 23.2 43.0



#9

Trichlorofluoromethane

Concen: 47.757 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV016671.D

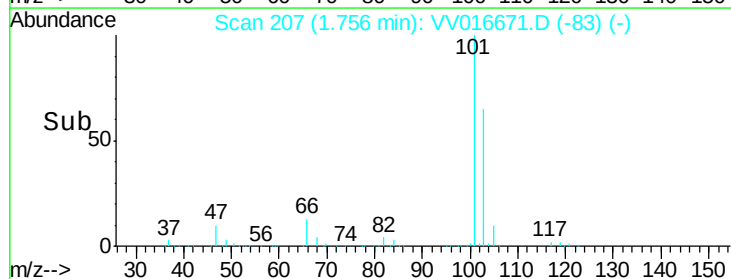
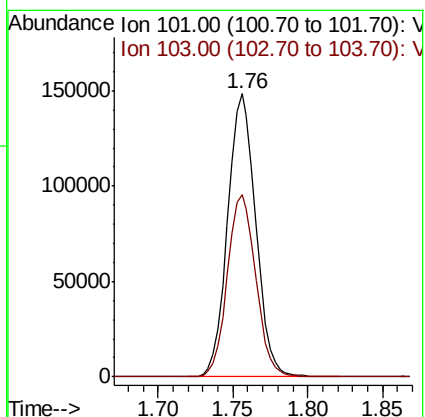
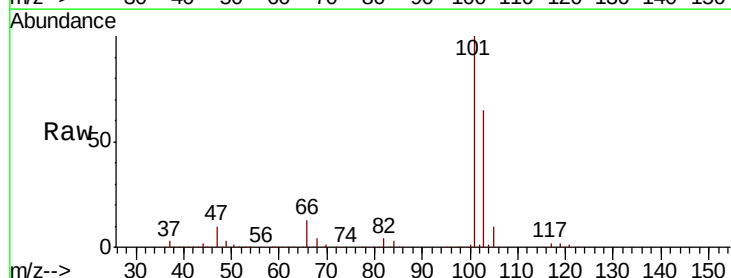
Acq: 08 Jun 2020 19:47

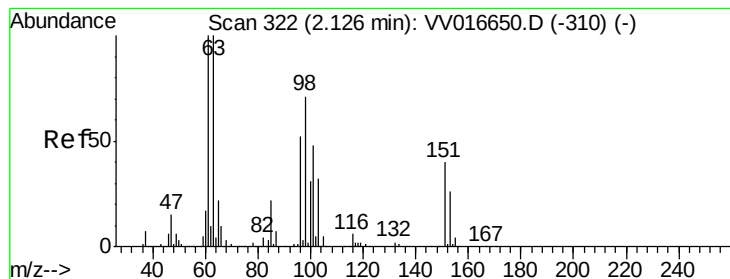
Tgt Ion: 101 Resp: 194342

Ion Ratio Lower Upper

101 100

103 65.0 51.3 76.9





#10

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

Concen: 47.521 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

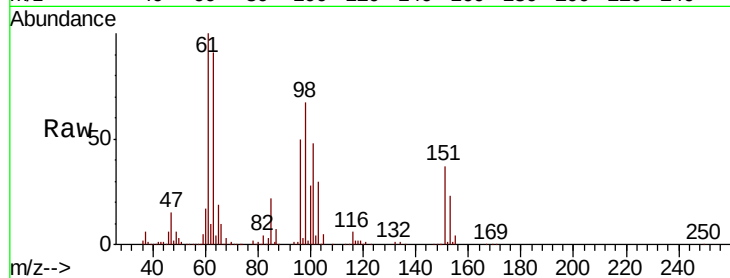
Tot Ion:101 Resp: 96362

Ion Ratio Lower Upper

101 100

85 44.0 35.5 53.3

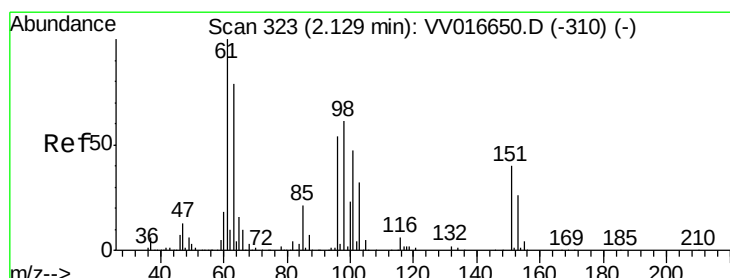
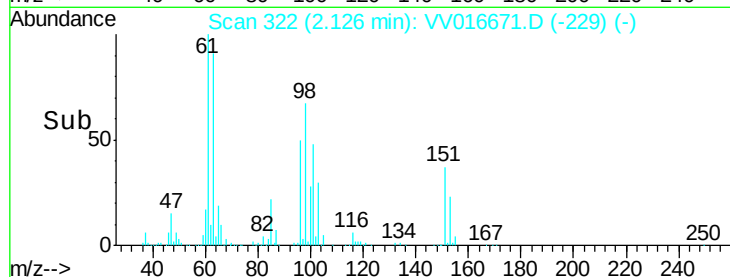
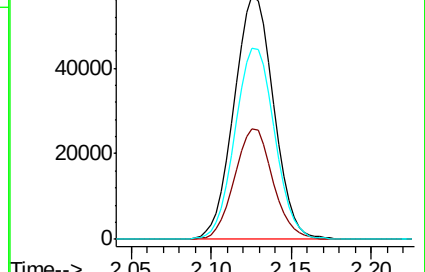
151 78.6 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016671.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV016671.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV016671.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 47.354 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

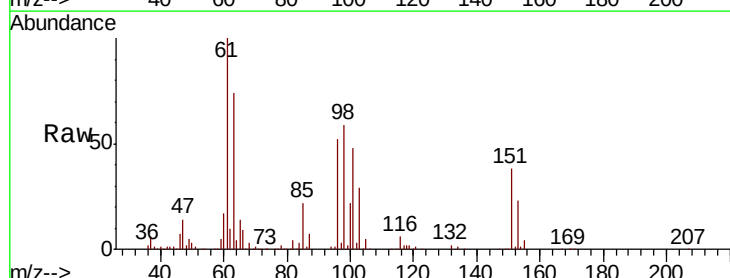
Tgt Ion: 96 Resp: 89639

Ion Ratio Lower Upper

96 100

61 190.8 130.4 242.2

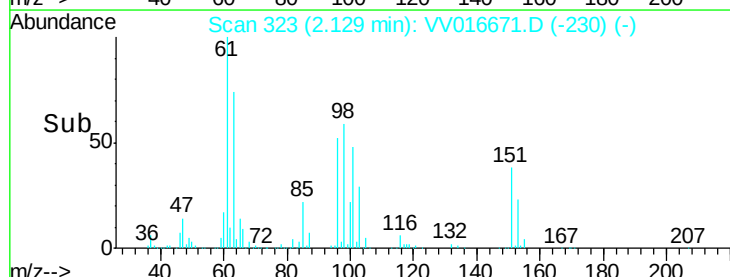
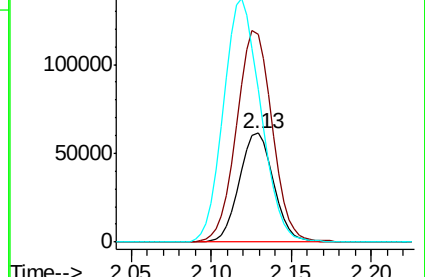
63 140.4 103.3 191.9

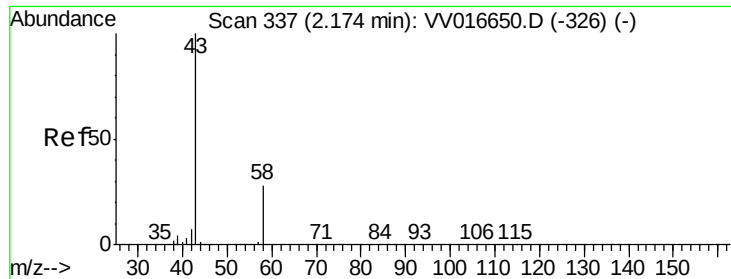


Abundance Ion 96.00 (95.70 to 96.70): VV016671.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV016671.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV016671.D (-230) (-)





#13

Acetone

Concen: 79.578 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

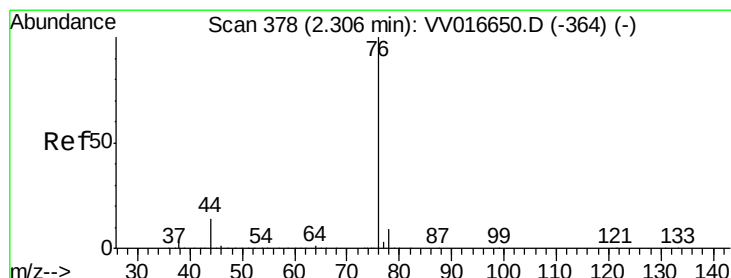
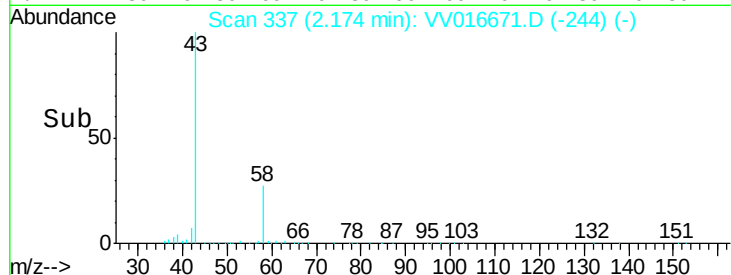
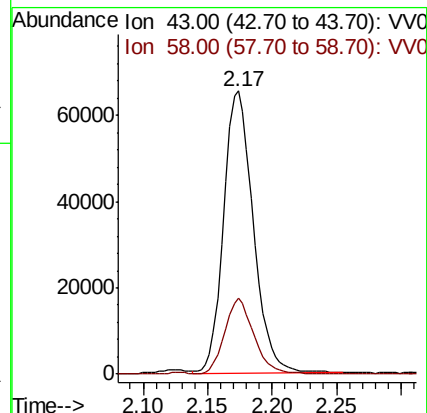
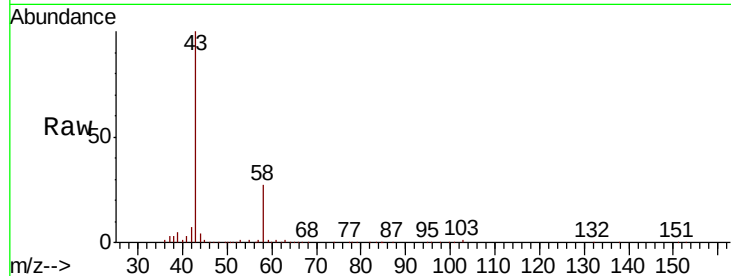
VSTD05073

Tot Ion: 43 Resp: 104438

Ion Ratio Lower Upper

43 100

58 26.5 0.0 55.2



#14

Carbon disulfide

Concen: 47.491 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016671.D

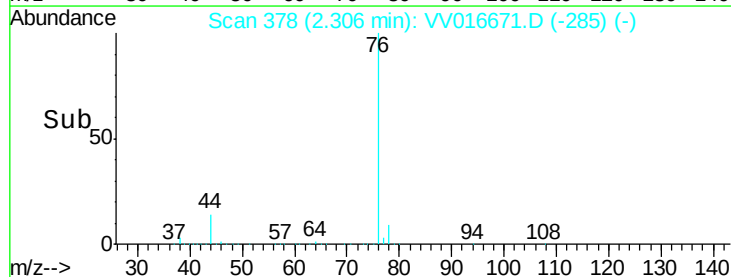
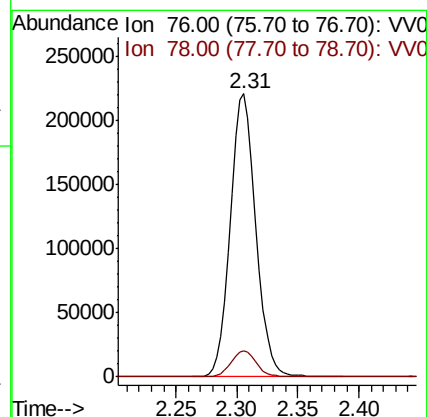
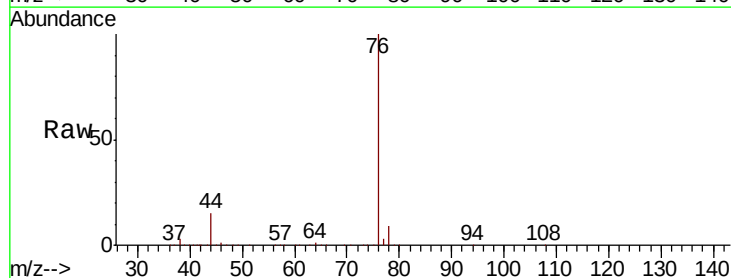
Acq: 08 Jun 2020 19:47

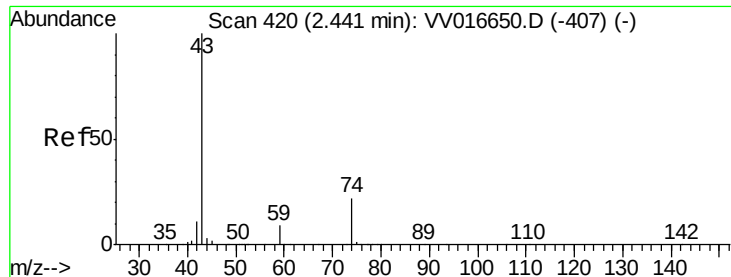
Tgt Ion: 76 Resp: 325491

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

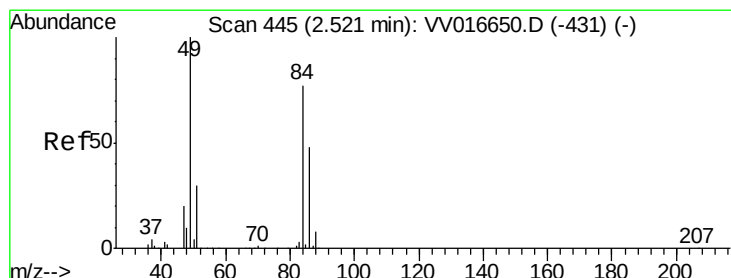
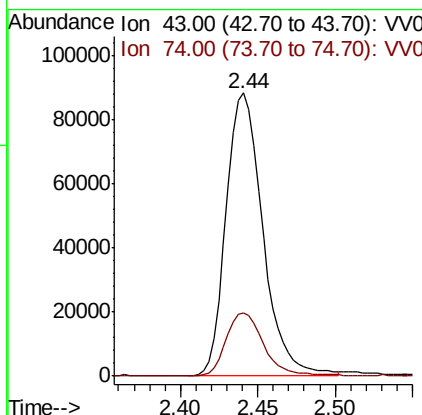
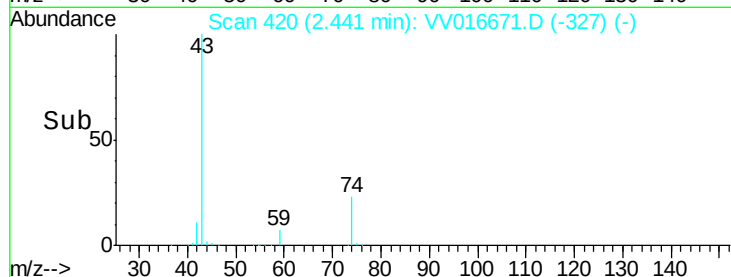
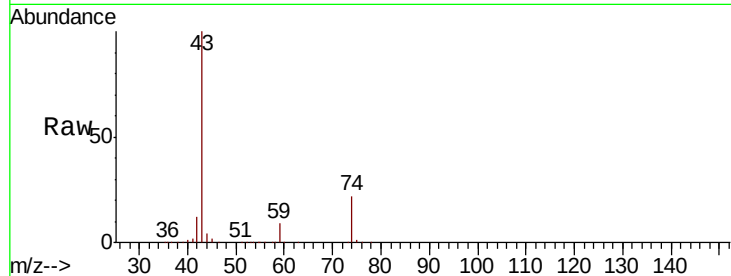




#15
Methvl Acetate
Concen: 49.663 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.00 min
Lab File: VV016671.D
Acq: 08 Jun 2020 19:47

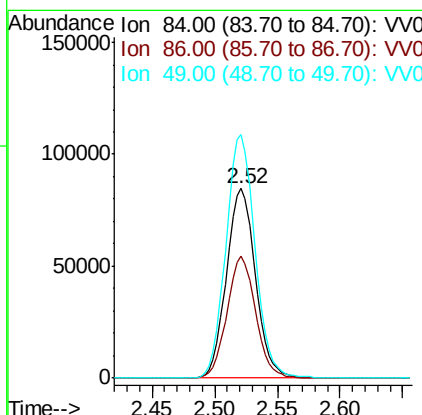
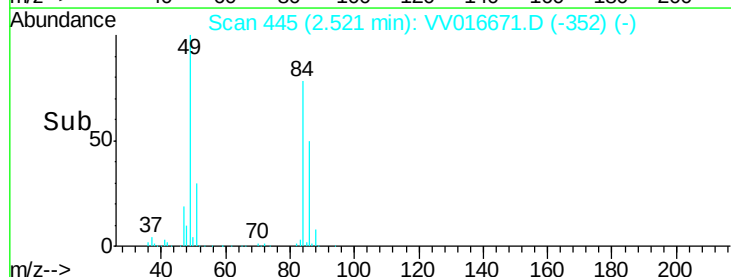
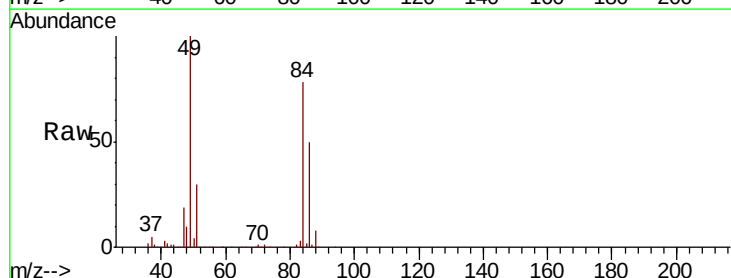
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

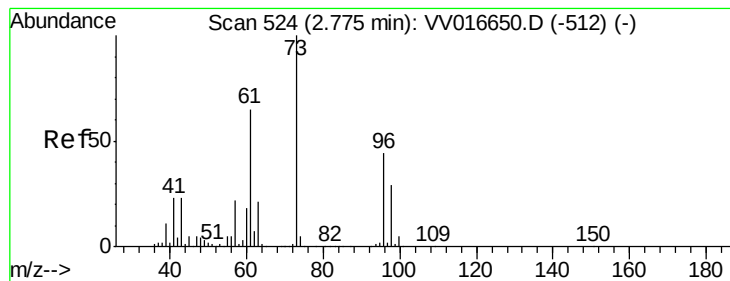
Tot Ion: 43 Resp: 145273
Ion Ratio Lower Upper
43 100
74 22.9 17.9 26.9



#16
Methylene chloride
Concen: 48.977 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV016671.D
Acq: 08 Jun 2020 19:47

Tgt Ion: 84 Resp: 136046
Ion Ratio Lower Upper
84 100
86 64.0 44.0 81.8
49 128.3 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 48.007 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

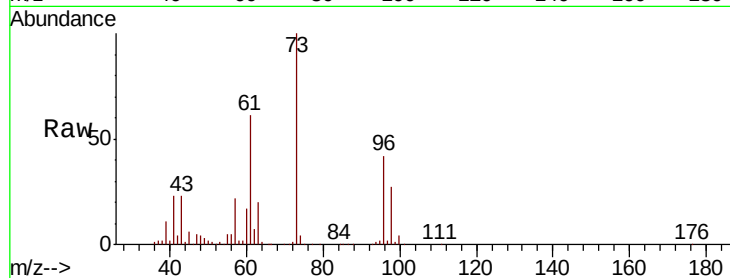
Tot Ion: 96 Resp: 123907

Ion Ratio Lower Upper

96 100

61 144.9 102.9 191.1

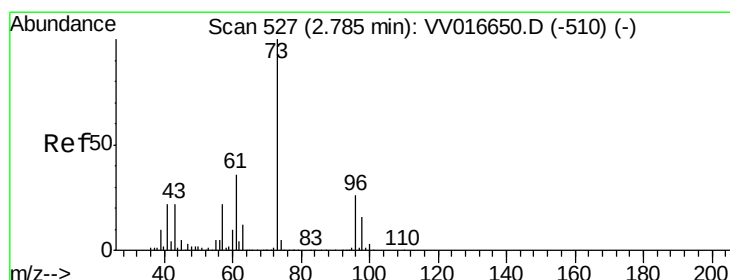
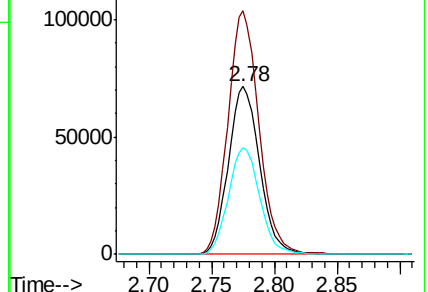
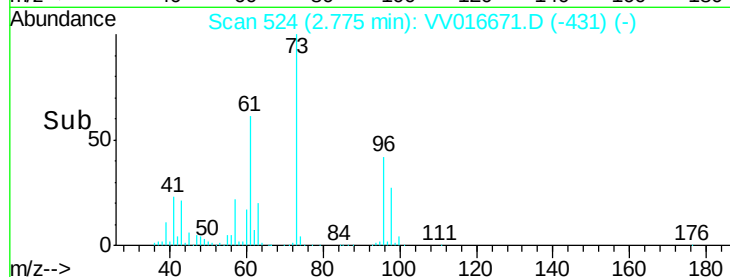
98 63.3 45.5 84.5



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: 49.486 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

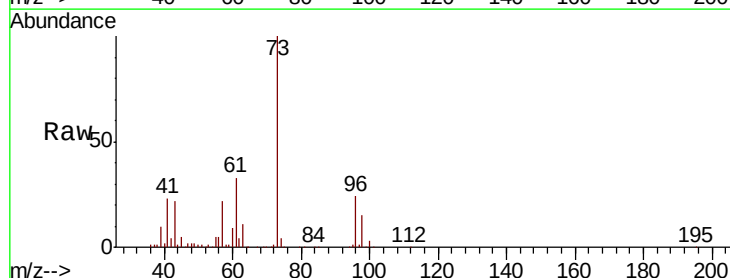
Tgt Ion: 73 Resp: 423213

Ion Ratio Lower Upper

73 100

43 22.4 17.8 26.6

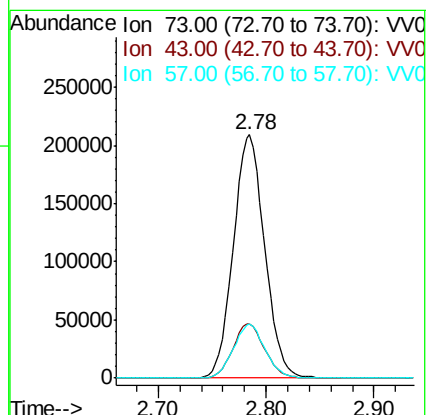
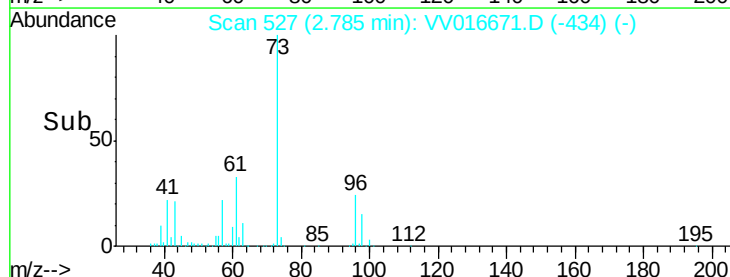
57 22.4 17.7 26.5

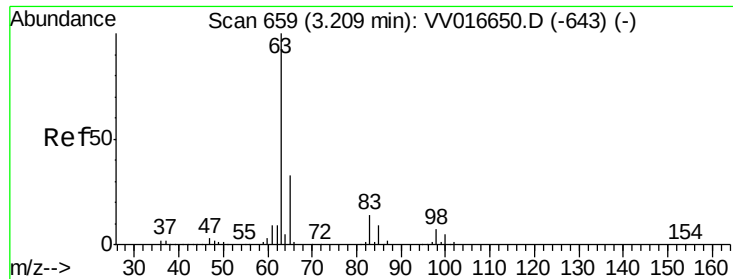


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

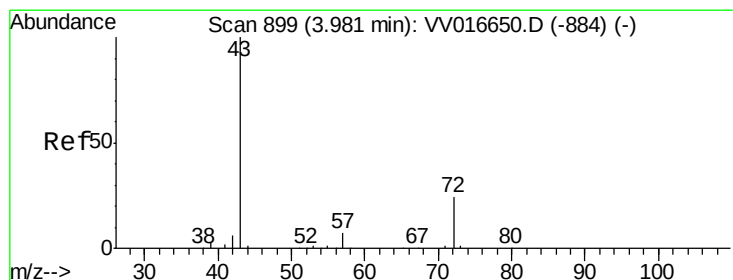
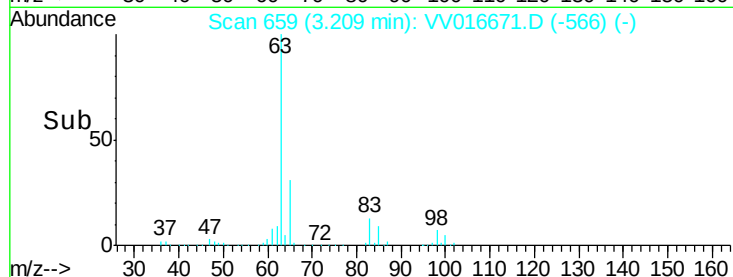
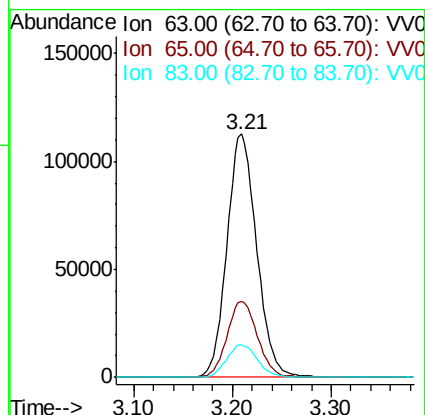
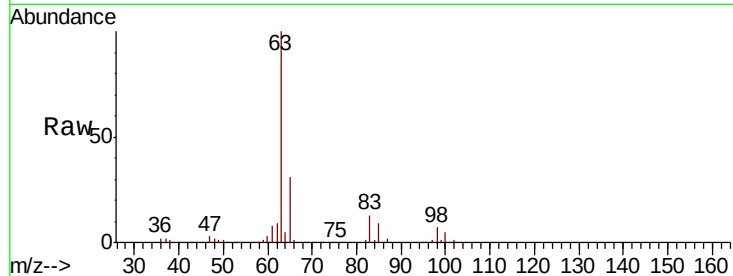




#19
 1,1-Dichloroethane
 Concen: 48.930 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

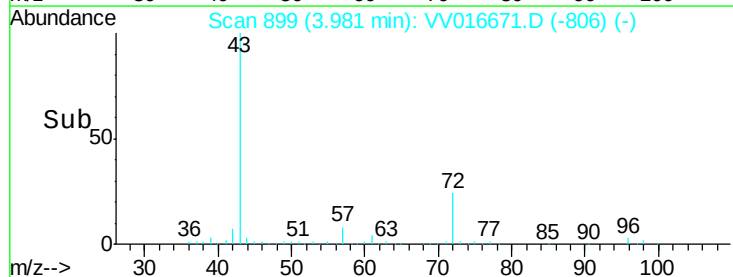
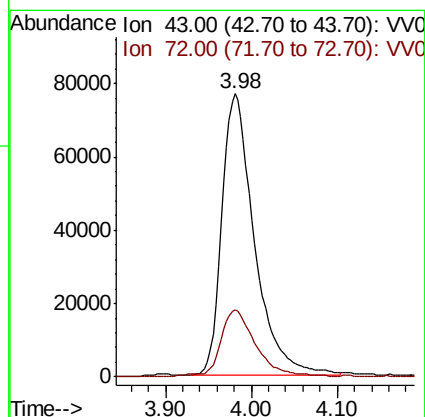
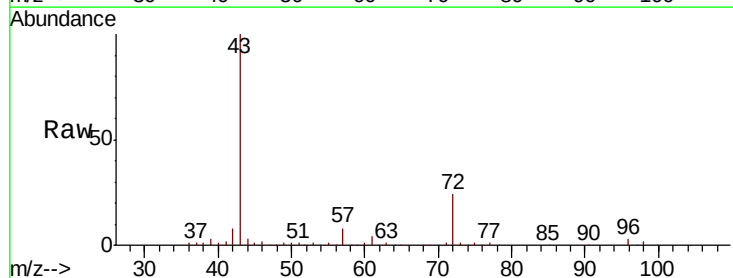
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

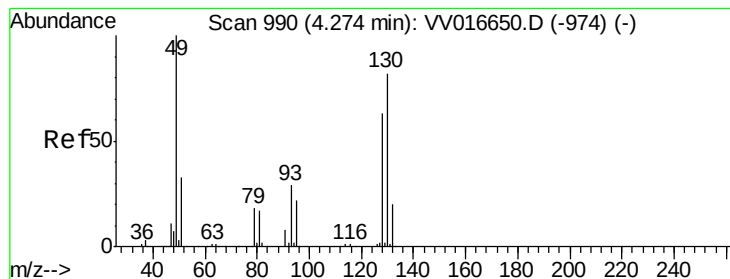
Tot Ion: 63 Resp: 237717
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.2 43.0
 83 13.3 10.0 18.6



#22
 2-Butanone
 Concen: 99.639 ug/L
 RT: 3.98 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

Tgt Ion: 43 Resp: 201652
 Ion Ratio Lower Upper
 43 100
 72 24.0 12.4 37.4





#23

Bromochloromethane

Concen: 48.379 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

Tot Ion:128 Resp: 71710

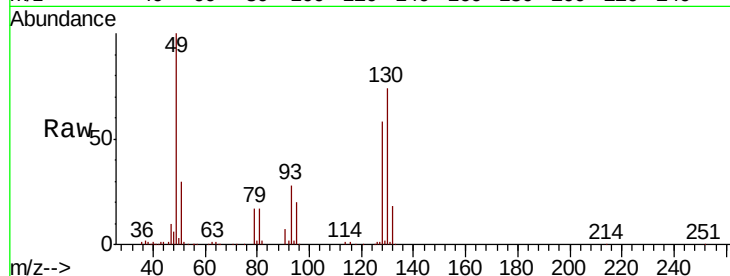
Ion Ratio Lower Upper

128 100

49 171.9 111.9 207.9

130 126.9 91.5 169.9

51 51.2 42.1 63.1

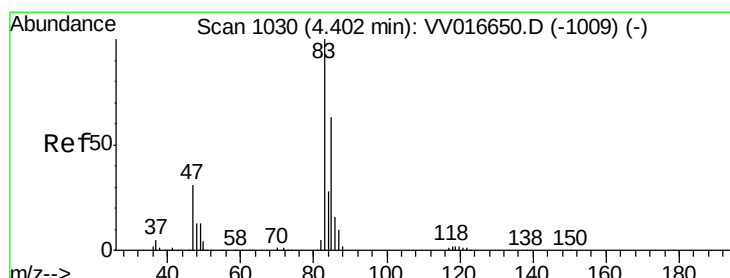
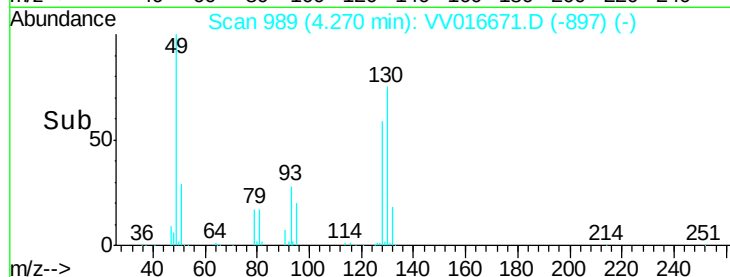
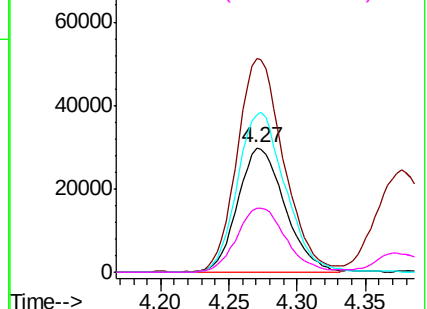


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 49.514 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV016671.D

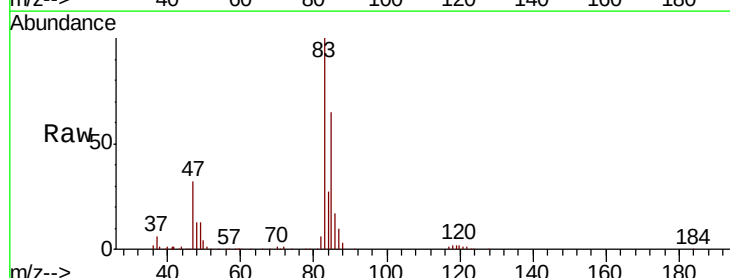
Acq: 08 Jun 2020 19:47

Tgt Ion: 83 Resp: 247216

Ion Ratio Lower Upper

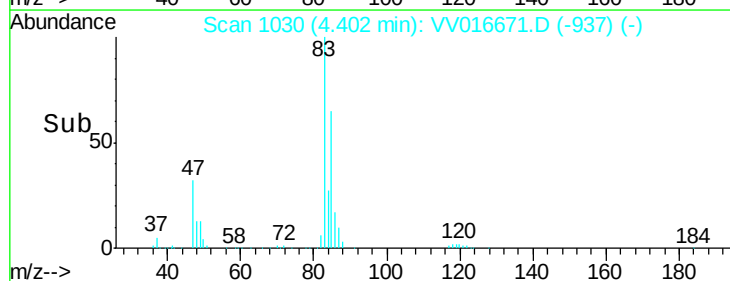
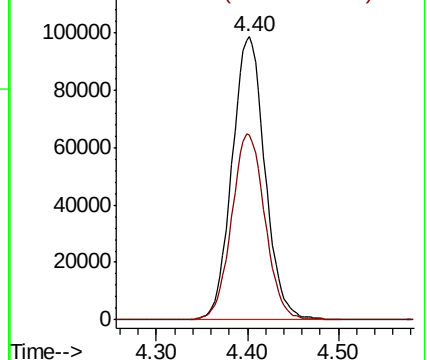
83 100

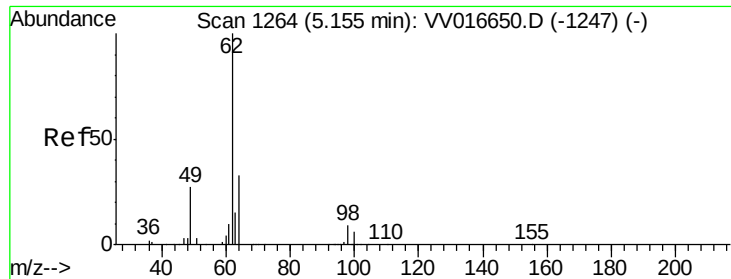
85 65.5 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

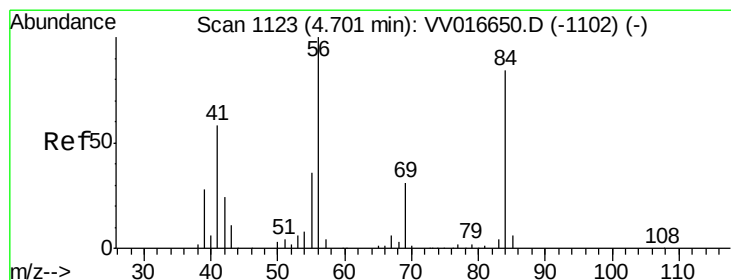
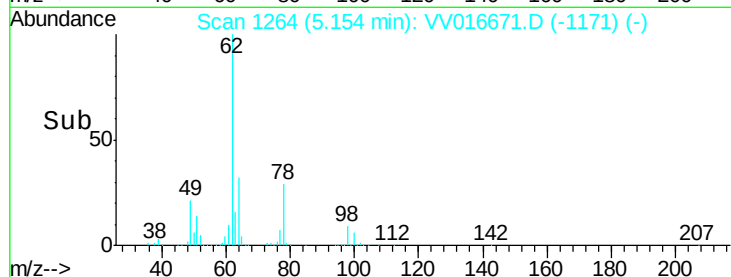
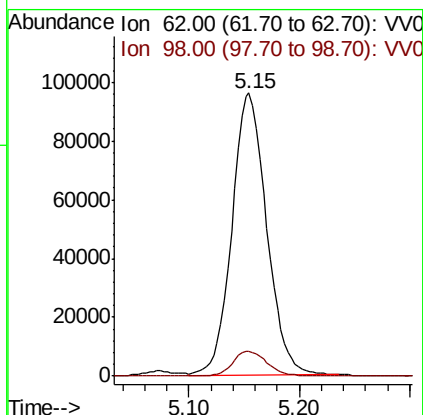
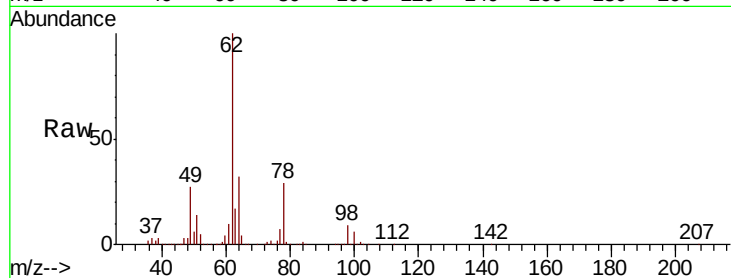




#27
 1,2-Dichloroethane
 Concen: 49.931 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

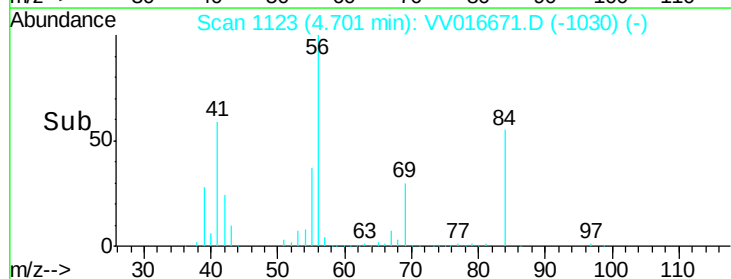
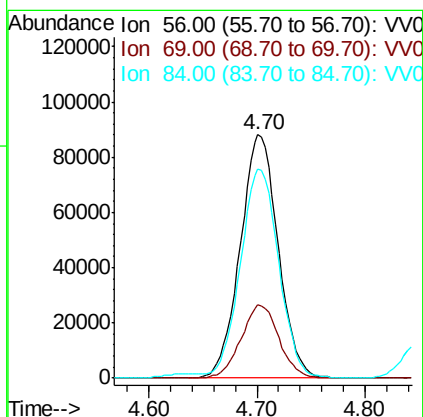
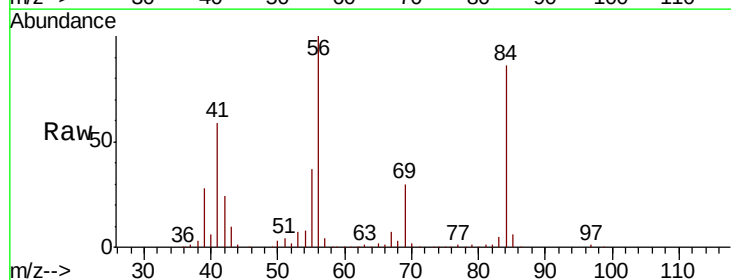
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

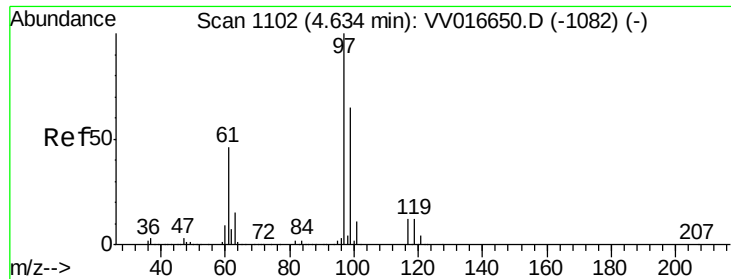
Tot Ion: 62 Resp: 208984
 Ion Ratio Lower Upper
 62 100
 98 8.6 7.4 11.2



#29
 Cyclohexane
 Concen: 48.058 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

Tgt Ion: 56 Resp: 215291
 Ion Ratio Lower Upper
 56 100
 69 29.8 25.0 37.4
 84 87.1 69.5 104.3

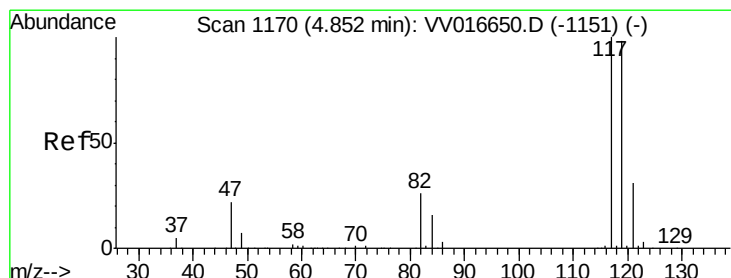
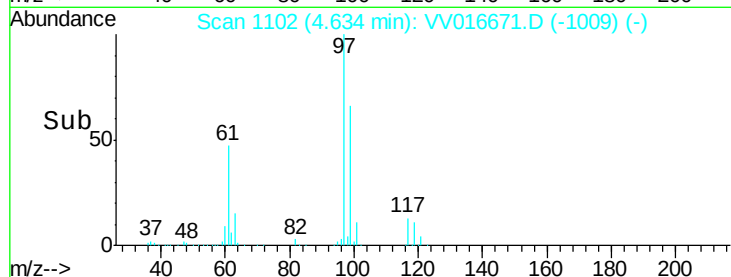
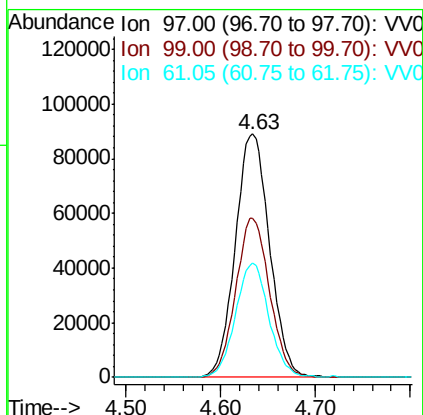
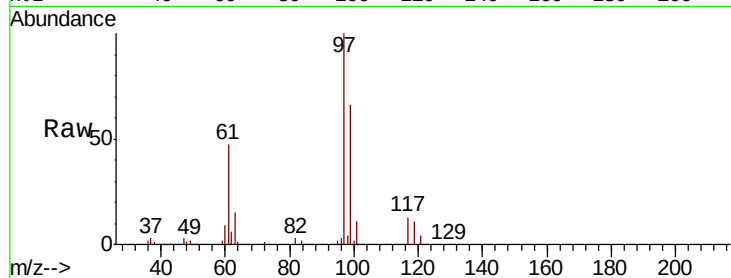




#30
 1,1,1-Trichloroethane
 Concen: 48.864 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

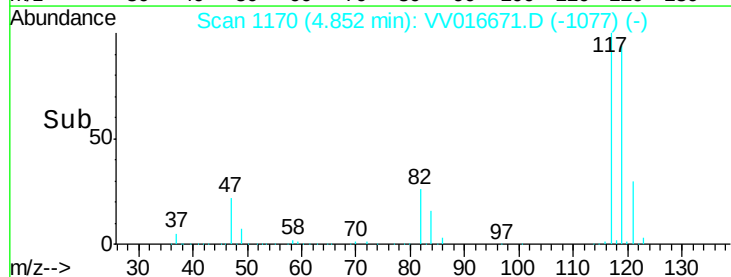
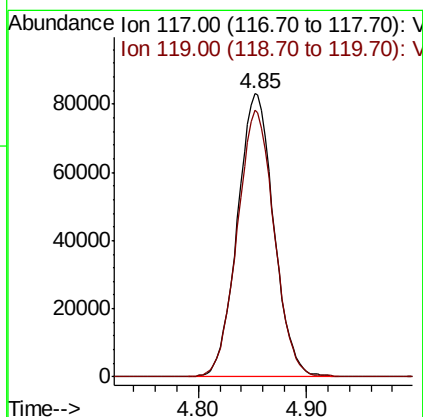
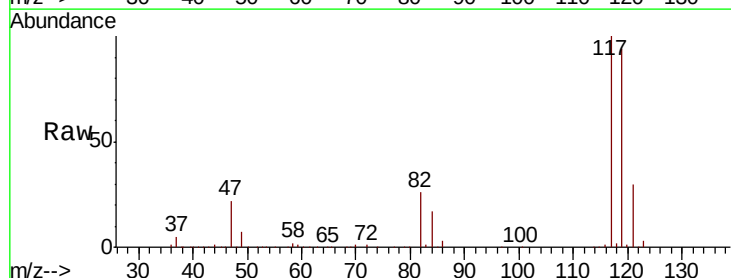
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

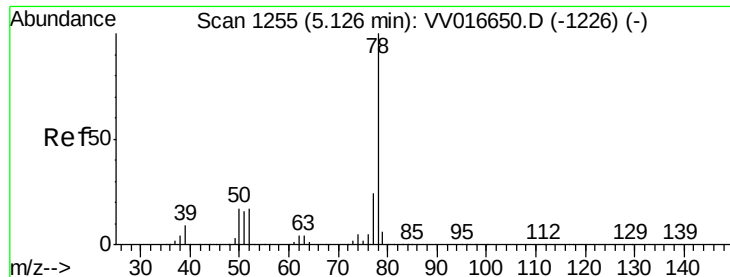
Tot Ion: 97 Resp: 224646
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 45.7 36.7 55.1



#31
 Carbon tetrachloride
 Concen: 49.047 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

Tgt Ion: 117 Resp: 195070
 Ion Ratio Lower Upper
 117 100
 119 95.5 77.4 116.2





#33

Benzene

Concen: 48.491 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

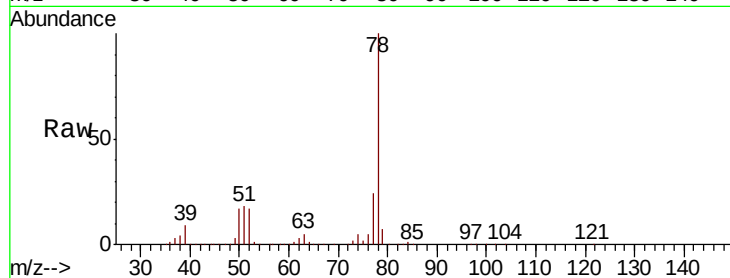
Instrument :

MSVOA_V

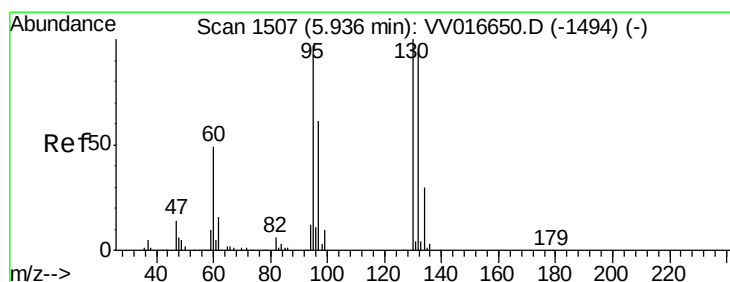
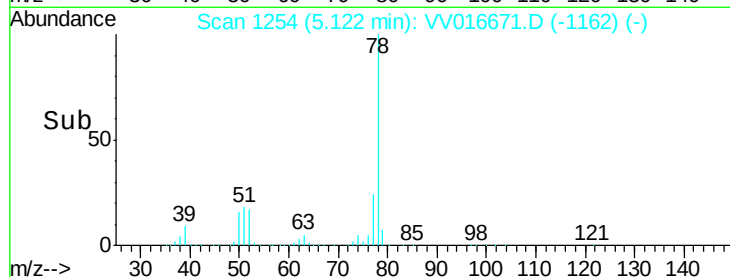
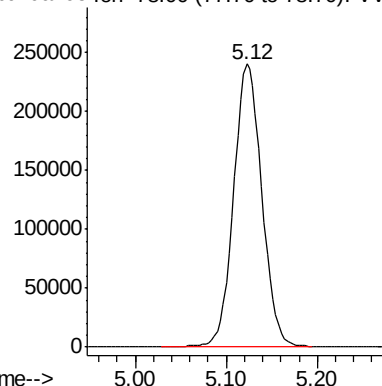
ClientSampleId :

VSTD05073

Tgt Ion: 78 Resp: 517207



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 48.377 ug/L

RT: 5.94 min Scan# 1507

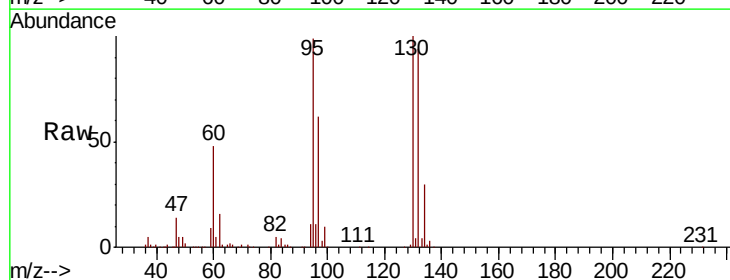
Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Tgt Ion: 95 Resp: 138387

Ion	Ratio	Lower	Upper
95	100		
97	62.4	44.3	82.3
132	95.4	67.9	126.1
130	101.0	72.2	134.2

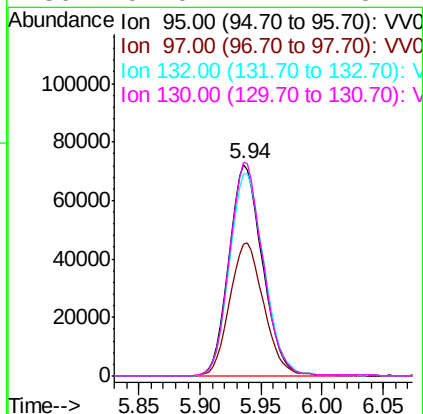
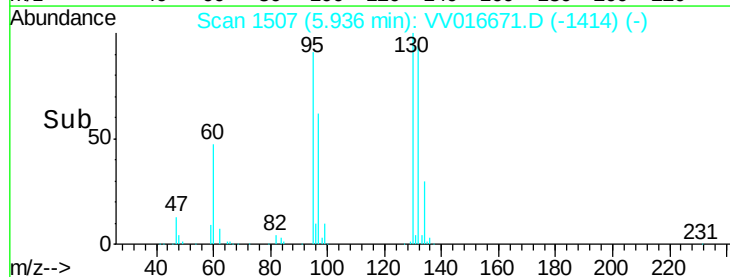


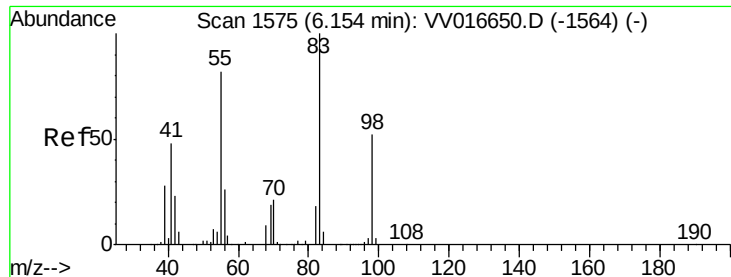
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

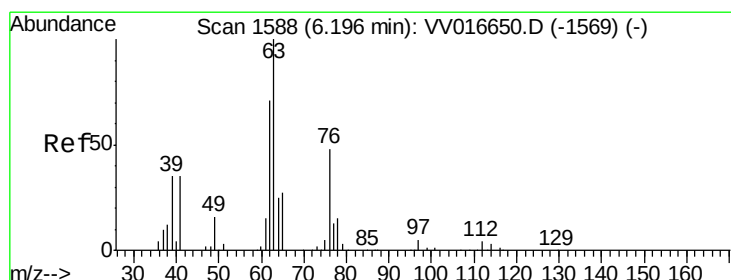
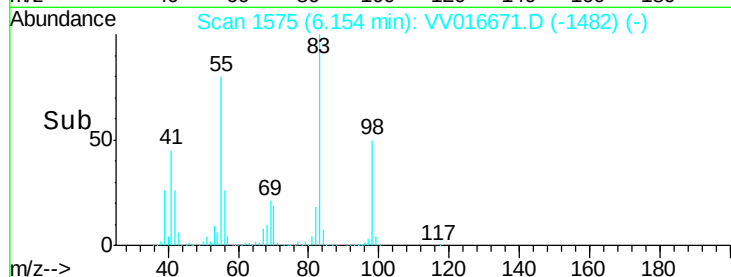
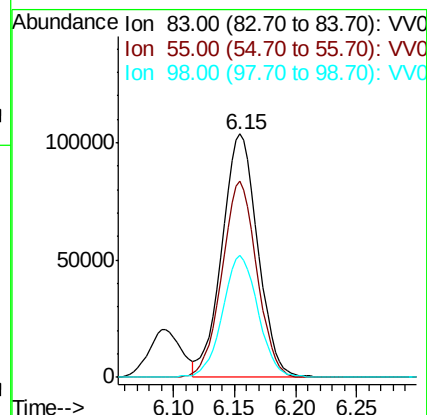
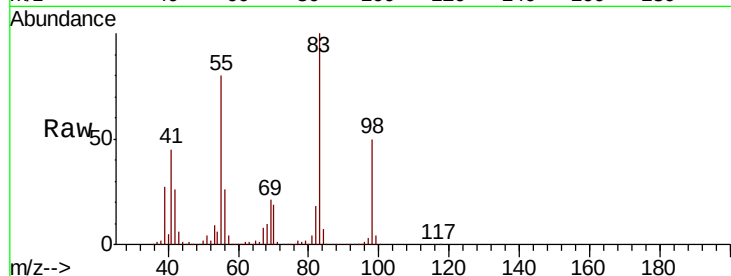




#35
Methvlcvclohexane
Concen: 47.559 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016671.D
Acq: 08 Jun 2020 19:47

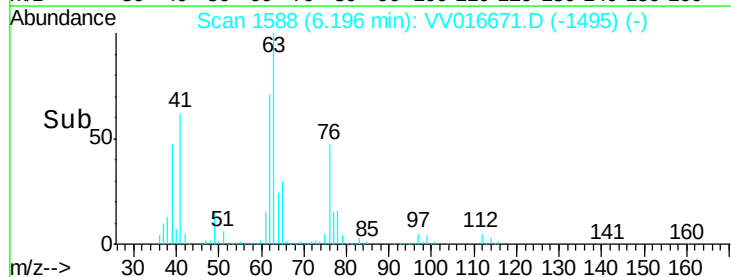
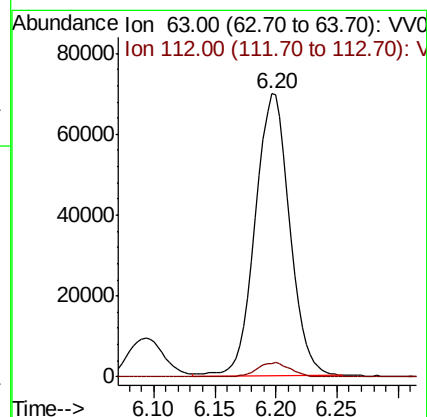
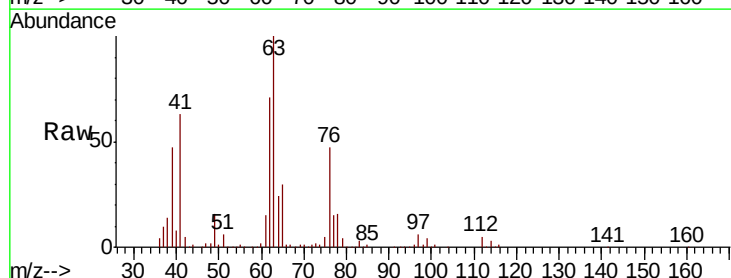
Instrument :
MSVOA_V
ClientSampled :
VSTD05073

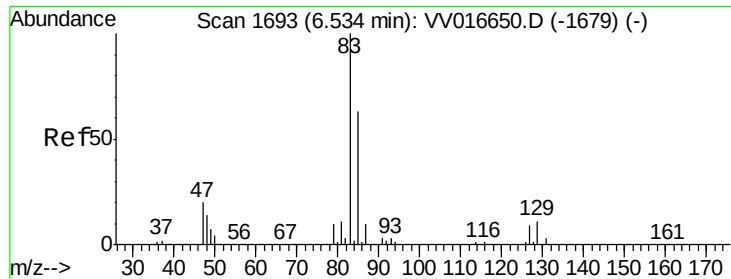
Tot Ion: 83 Resp: 213431
Ion Ratio Lower Upper
83 100
55 78.3 64.2 96.2
98 49.6 40.3 60.5



#37
1,2-Dichloropropane
Concen: 49.003 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV016671.D
Acq: 08 Jun 2020 19:47

Tgt Ion: 63 Resp: 135924
Ion Ratio Lower Upper
63 100
112 4.8 3.8 5.6

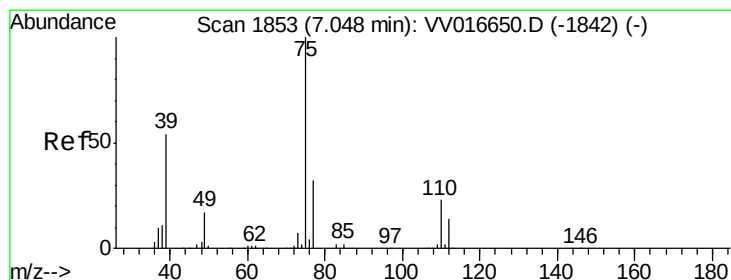
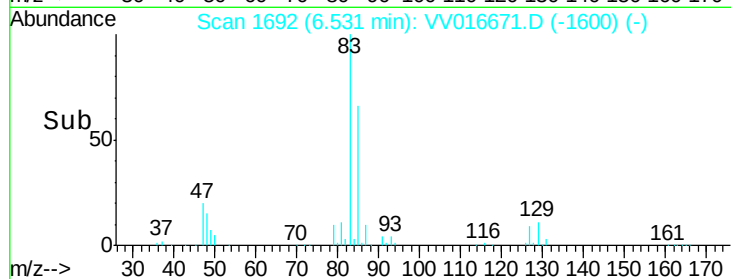
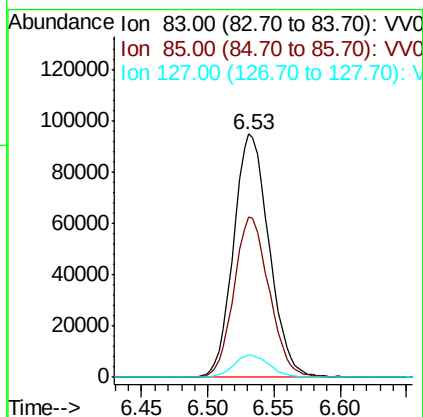
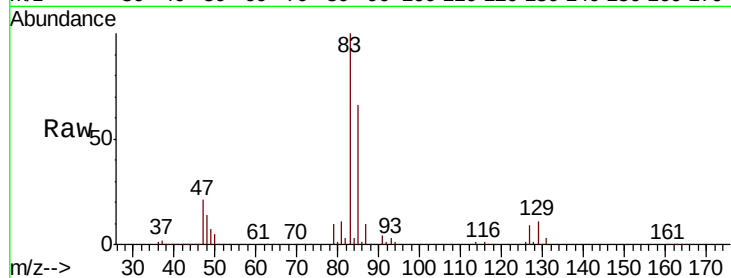




#38
 Bromodichloromethane
 Concen: 48.119 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

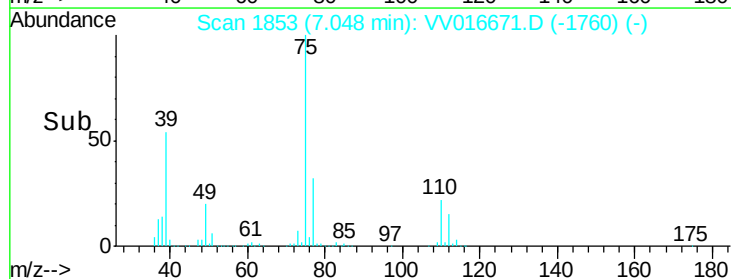
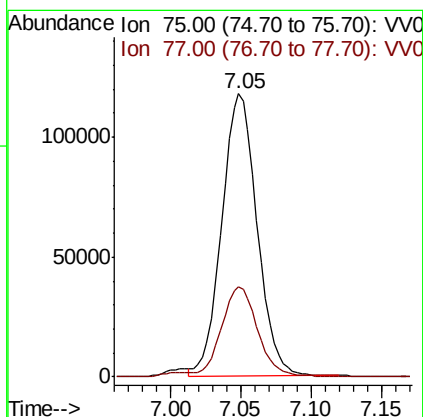
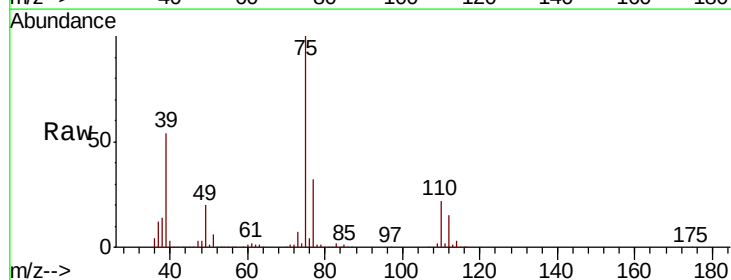
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

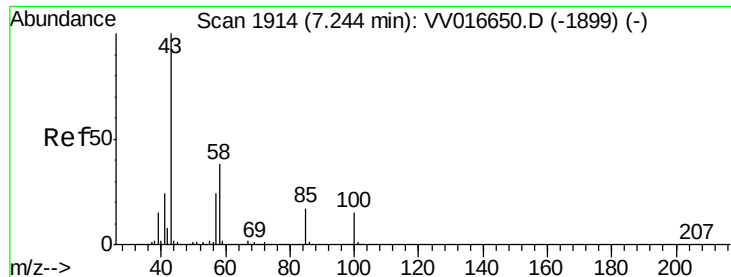
Tot Ion: 83 Resp: 177679
 Ion Ratio Lower Upper
 83 100
 85 65.9 44.4 82.5
 127 9.0 7.4 11.0



#39
 cis-1,3-Dichloropropene
 Concen: 47.837 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

Tgt Ion: 75 Resp: 206115
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.7 42.1

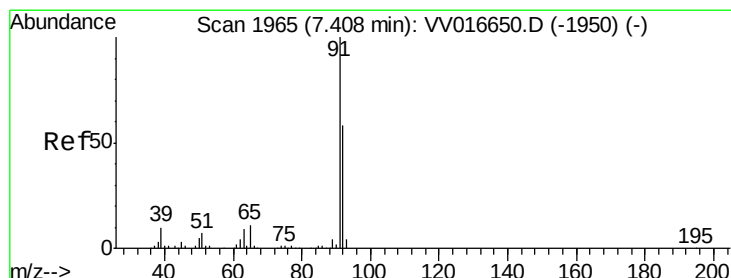
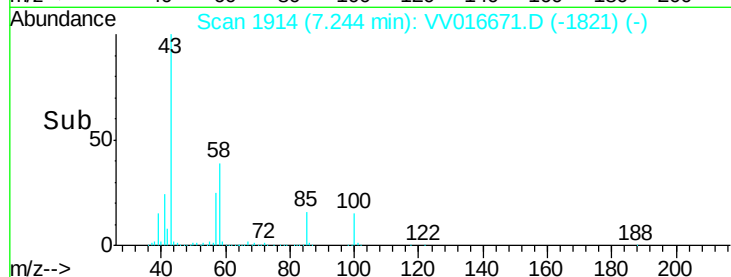
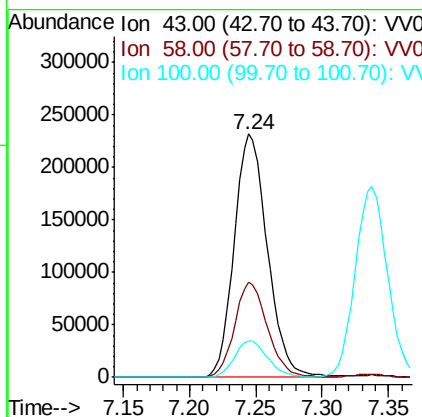
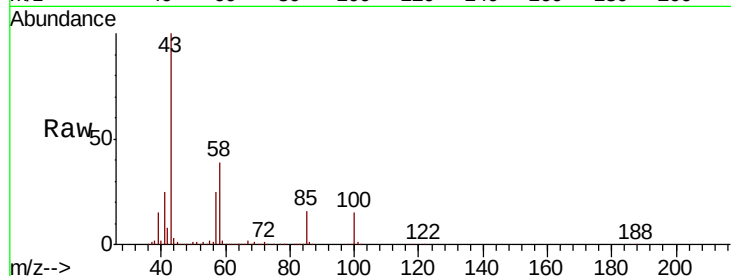




#40
4-Methyl-2-pentanone
Concen: 102.730 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV016671.D
Acq: 08 Jun 2020 19:47

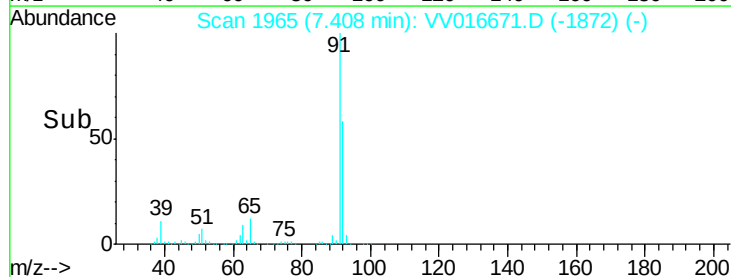
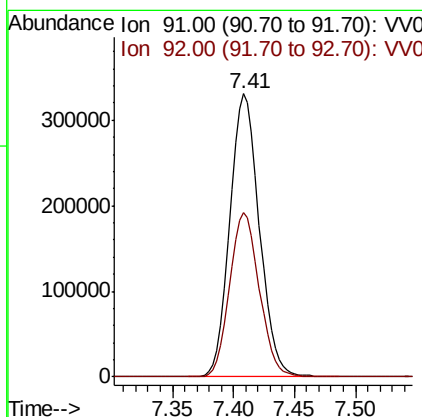
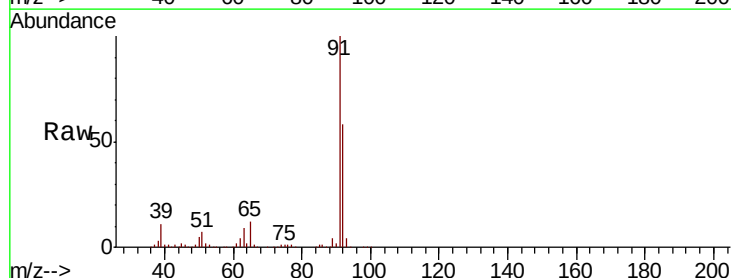
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

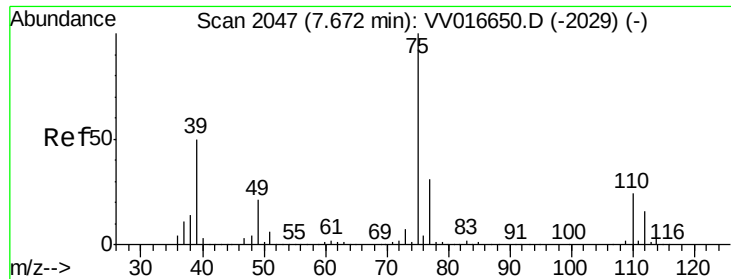
Tot Ion: 43 Resp: 403785
Ion Ratio Lower Upper
43 100
58 38.6 30.2 45.4
100 15.1 12.3 18.5



#42
Toluene
Concen: 49.605 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV016671.D
Acq: 08 Jun 2020 19:47

Tgt Ion: 91 Resp: 557764
Ion Ratio Lower Upper
91 100
92 58.3 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 49.167 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

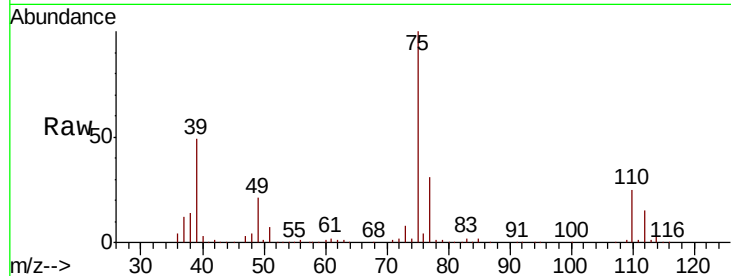
VSTD05073

Tot Ion: 75 Resp: 205954

Ion Ratio Lower Upper

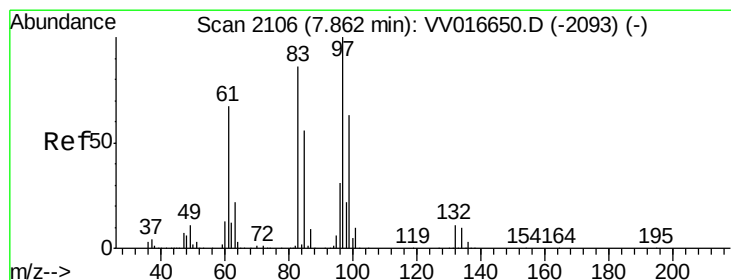
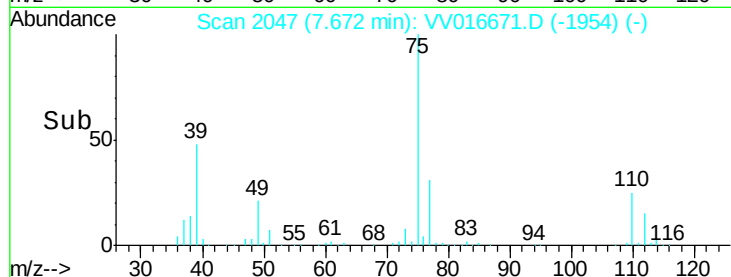
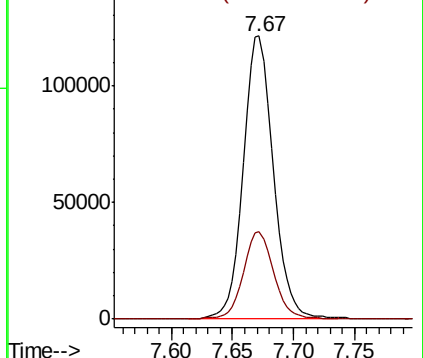
75 100

77 31.0 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 49.447 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Tgt Ion: 97 Resp: 132327

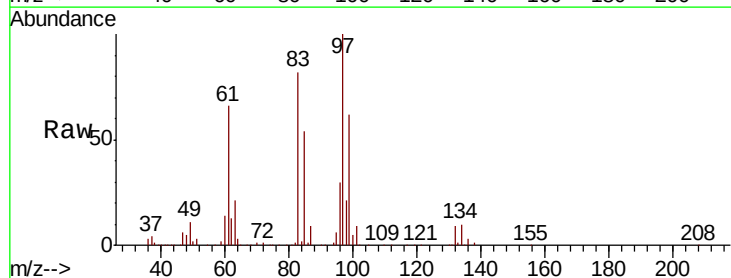
Ion Ratio Lower Upper

97 100

99 62.4 44.3 82.3

83 81.7 60.0 111.4

85 53.5 39.5 73.3

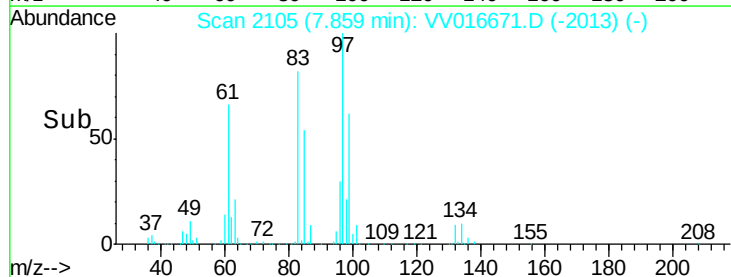
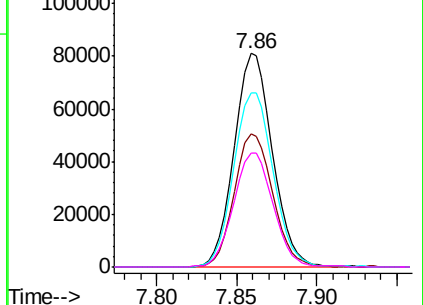


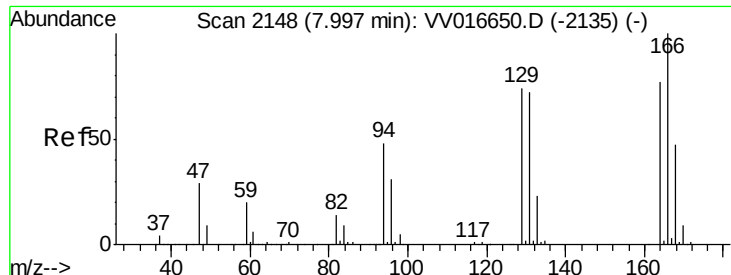
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 47.230 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

Tot Ion:164 Resp: 106259

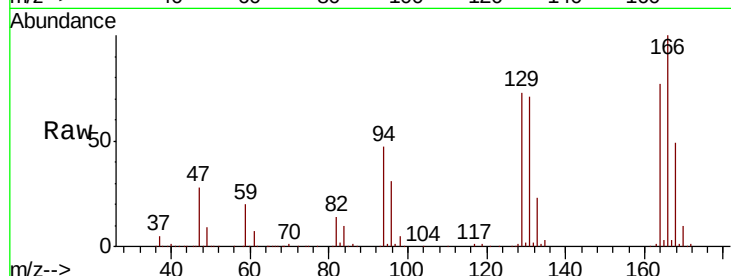
Ion Ratio Lower Upper

164 100

129 95.3 67.0 124.4

131 92.3 64.8 120.3

166 130.2 90.4 167.8

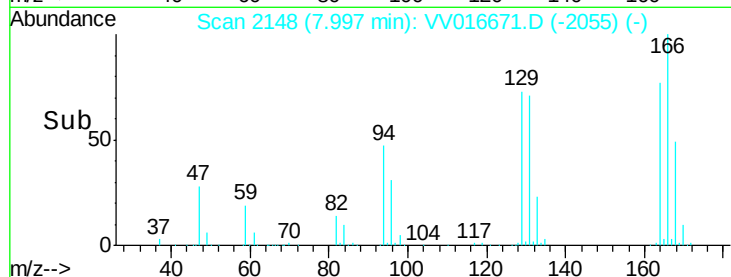


Abundance Ion 164.00 (163.70 to 164.70): V

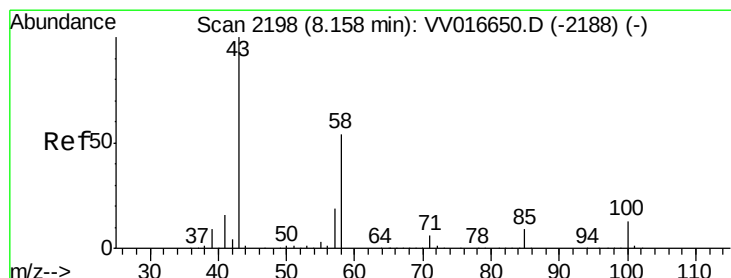
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->



#48

2-Hexanone

Concen: 102.043 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Tgt Ion: 43 Resp: 310986

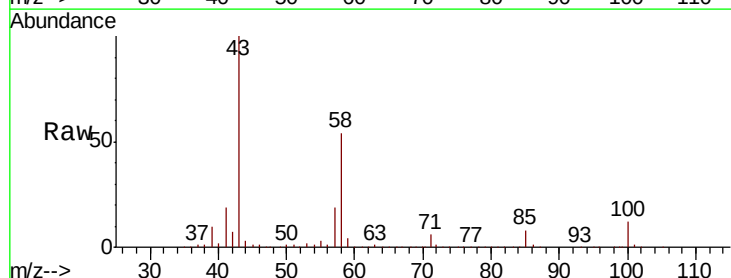
Ion Ratio Lower Upper

43 100

58 53.8 43.1 64.7

57 18.6 15.3 22.9

100 12.0 10.0 15.0

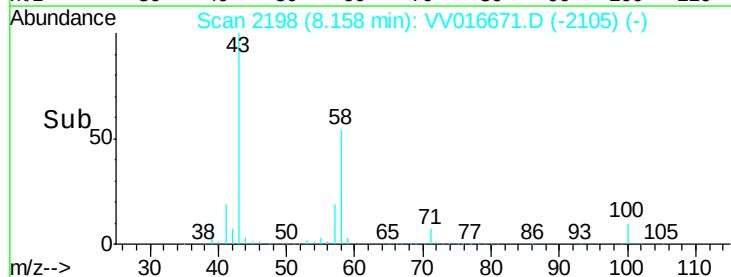


Abundance Ion 43.00 (42.70 to 43.70): VV0

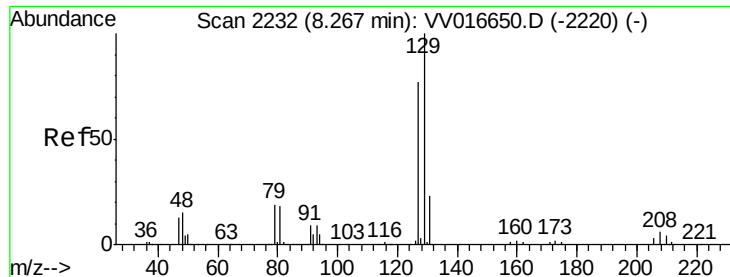
Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



Time-->



#49

Dibromochloromethane

Concen: 49.000 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

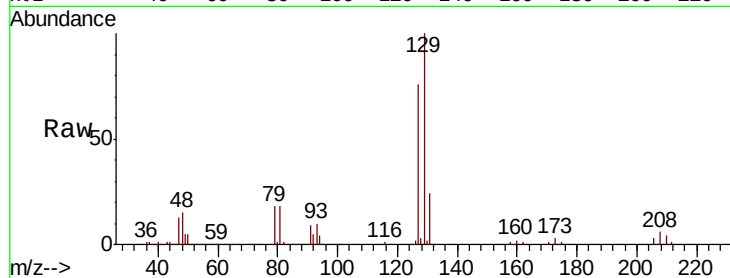
VSTD05073

Tot Ion:129 Resp: 140205

Ion Ratio Lower Upper

129 100

127 76.1 54.2 100.6

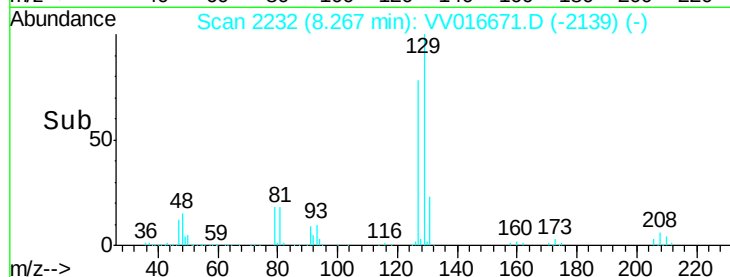


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.27

Time-->



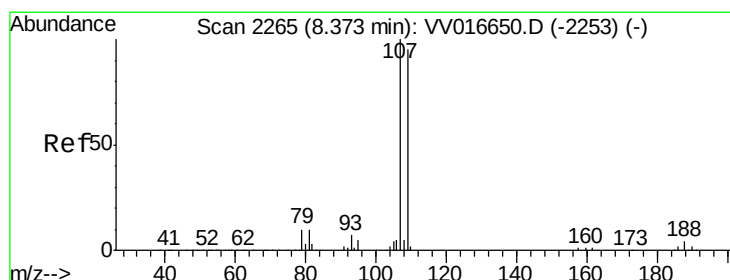
Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.27

Time-->



#50

1,2-Dibromoethane

Concen: 49.457 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

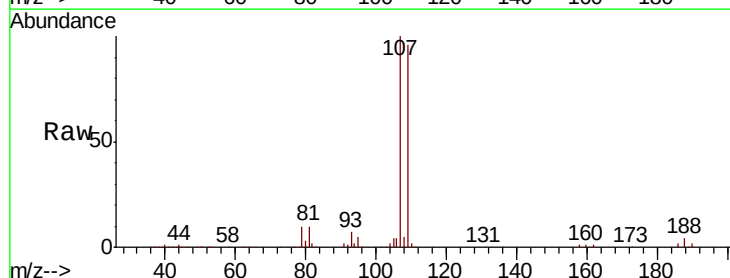
Tgt Ion:107 Resp: 138599

Ion Ratio Lower Upper

107 100

109 95.7 66.4 123.2

188 3.9 3.1 4.7



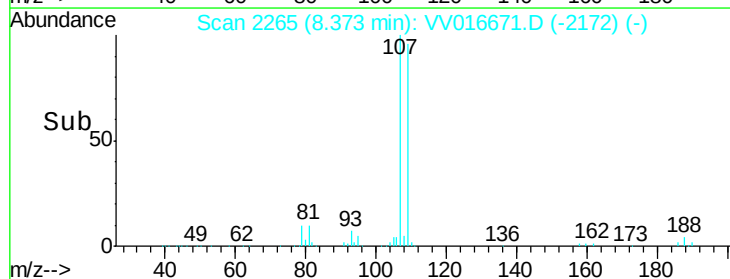
Abundance Ion 107.00 (106.70 to 107.70): V

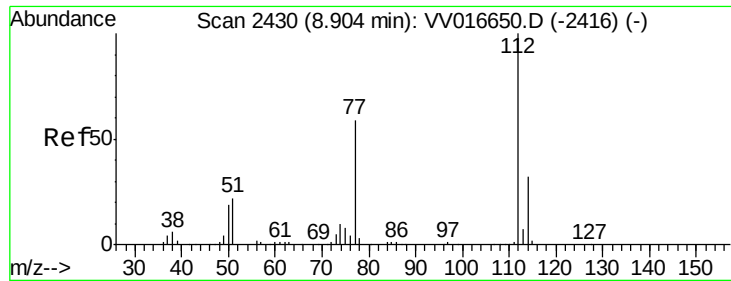
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

8.37

Time-->





#51

Chlorobenzene

Concen: 48.503 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

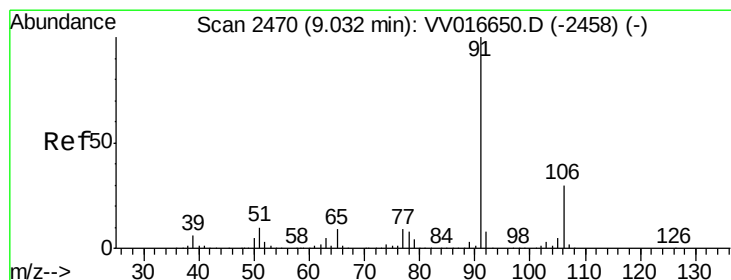
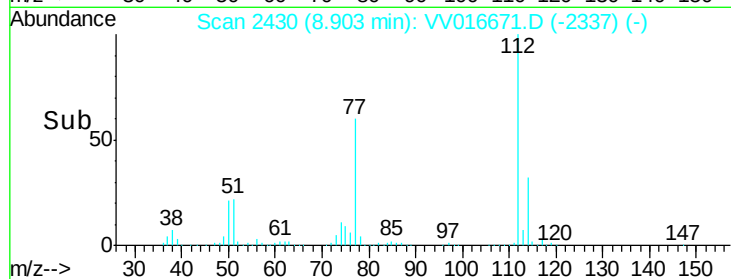
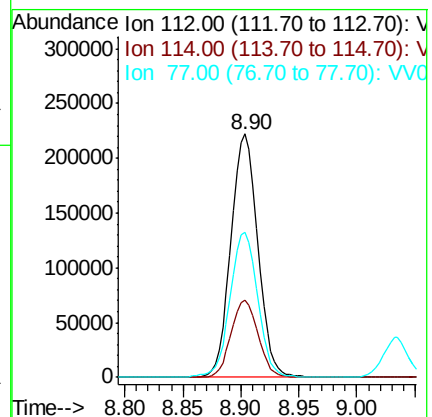
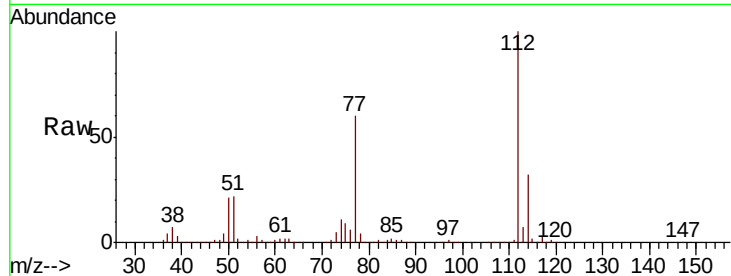
Tot Ion:112 Resp: 355814

Ion Ratio Lower Upper

112 100

114 31.7 22.3 41.3

77 59.8 47.9 71.9



#52

Ethylbenzene

Concen: 49.923 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016671.D

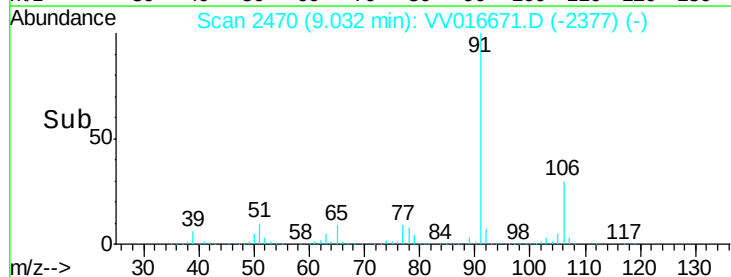
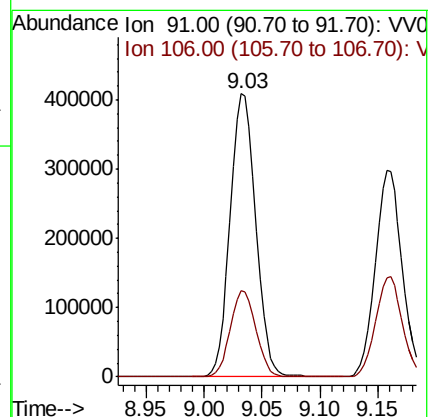
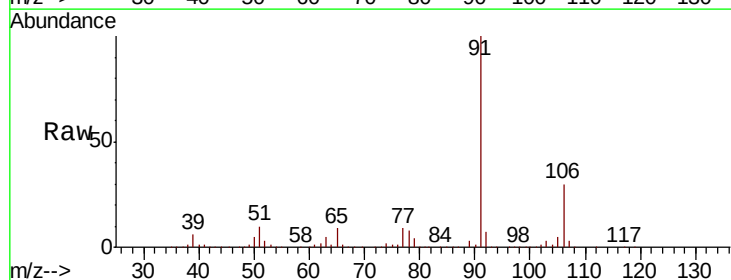
Acq: 08 Jun 2020 19:47

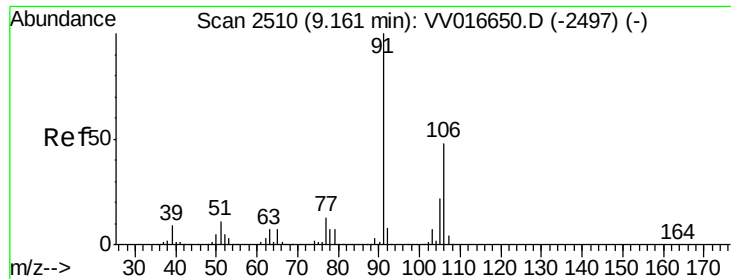
Tgt Ion: 91 Resp: 621756

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.1





#53

m,p-Xylene

Concen: 50.314 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

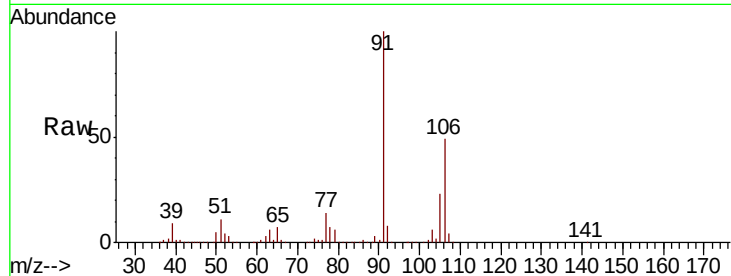
VSTD05073

Tot Ion:106 Resp: 233313

Ion Ratio Lower Upper

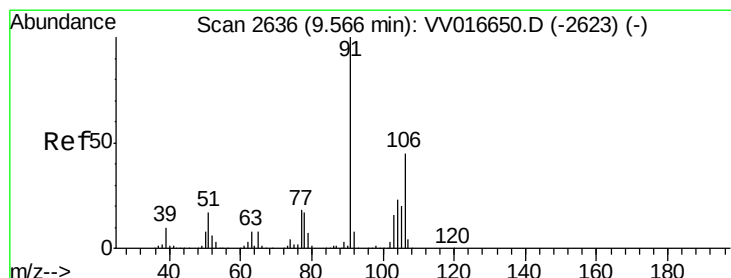
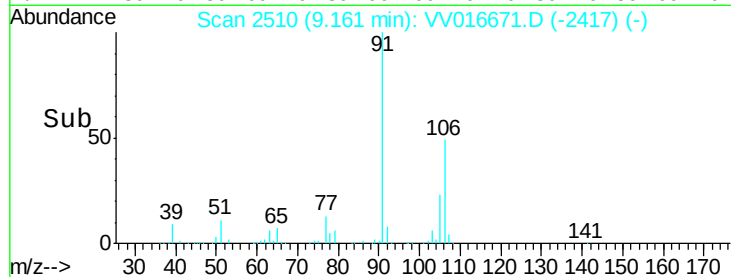
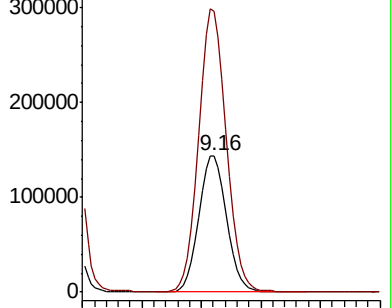
106 100

91 205.8 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 50.130 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016671.D

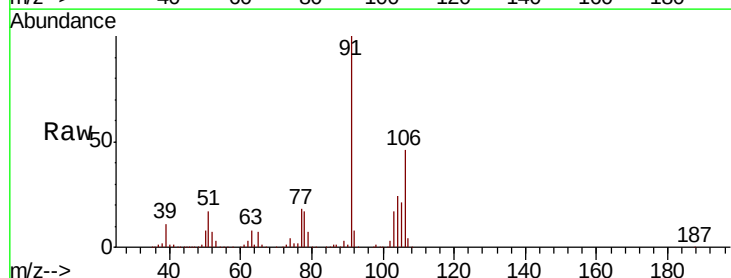
Acq: 08 Jun 2020 19:47

Tgt Ion:106 Resp: 229264

Ion Ratio Lower Upper

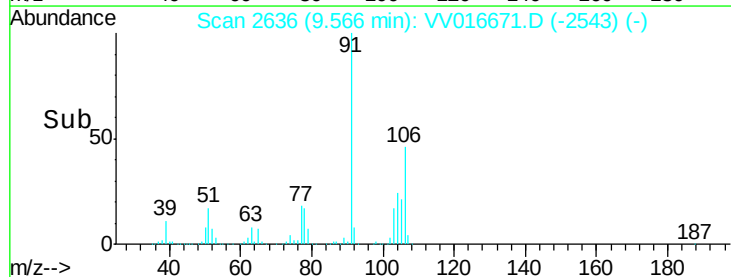
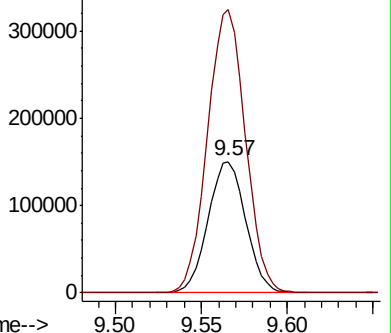
106 100

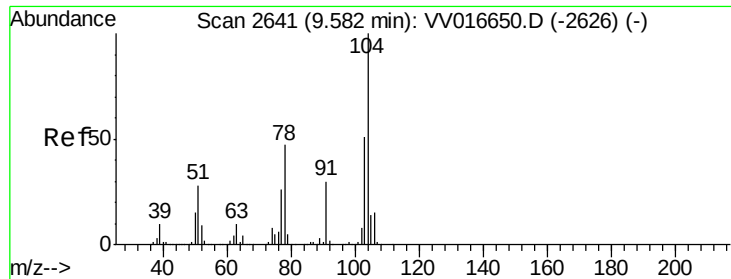
91 215.2 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 50.764 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

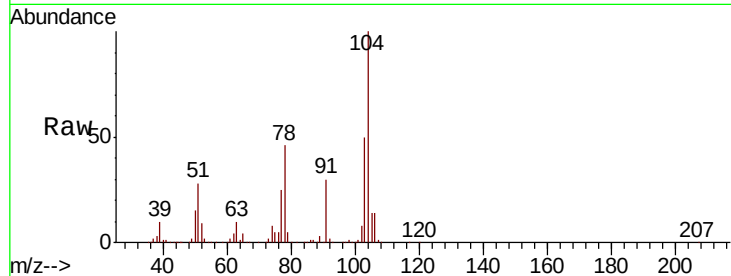
VSTD05073

Tot Ion:104 Resp: 392519

Ion Ratio Lower Upper

104 100

78 45.9 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.58

250000

200000

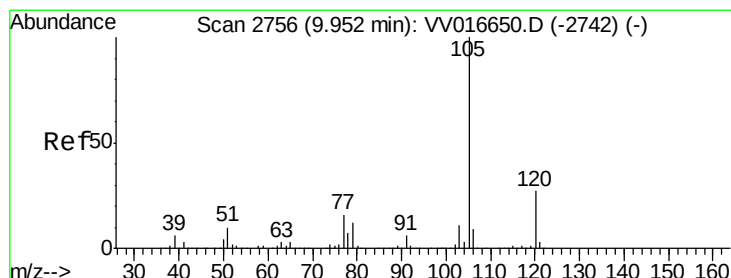
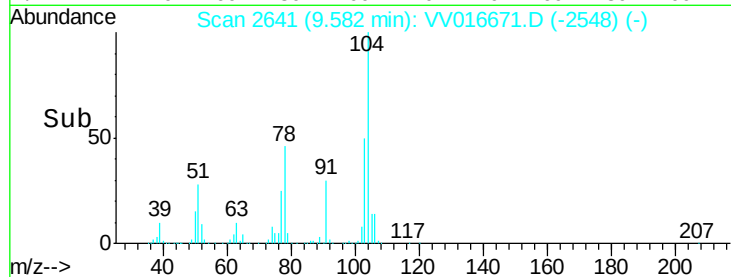
150000

100000

50000

0

Time-->



#56

Isopropylbenzene

Concen: 50.251 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

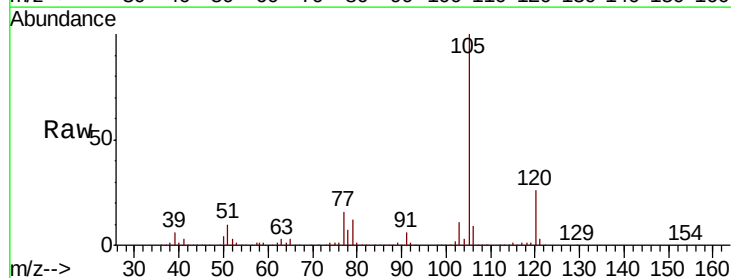
Tgt Ion:105 Resp: 617520

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

77 16.0 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): VV0

9.95

500000

400000

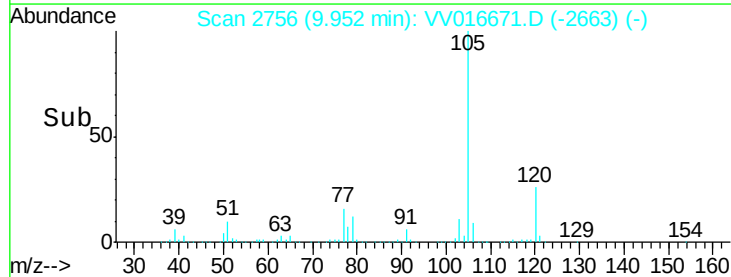
300000

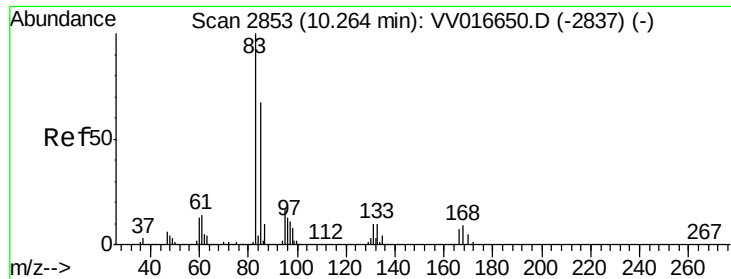
200000

100000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 49.823 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

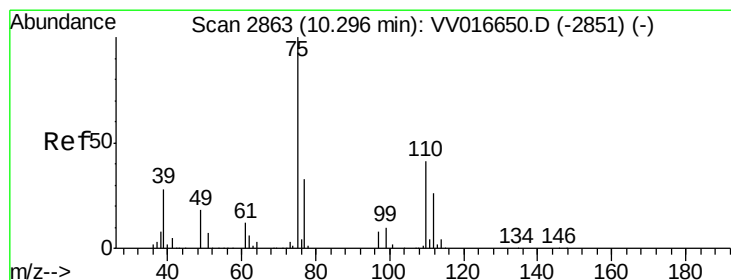
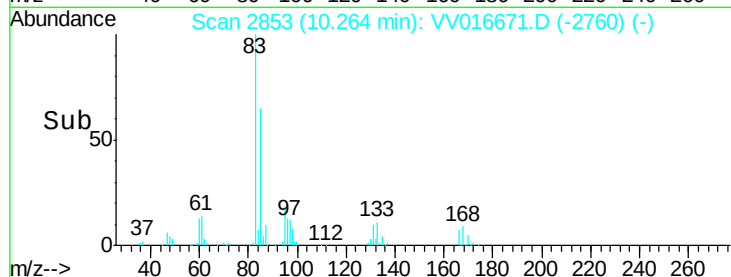
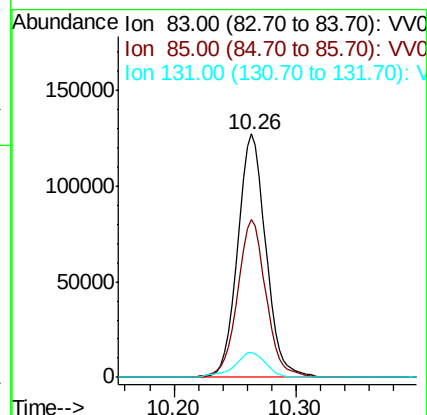
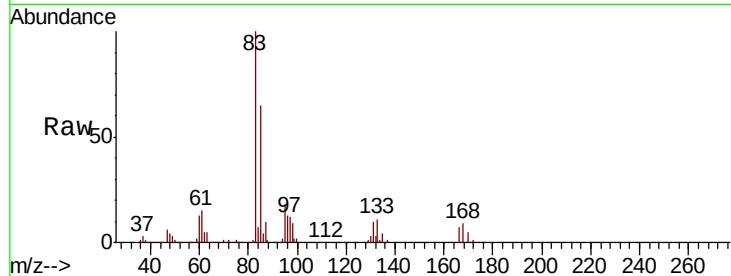
Tot Ion: 83 Resp: 204429

Ion Ratio Lower Upper

83 100

85 64.7 46.8 86.8

131 10.3 7.9 11.9



#59

1,2,3-Trichloropropane

Concen: 49.856 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016671.D

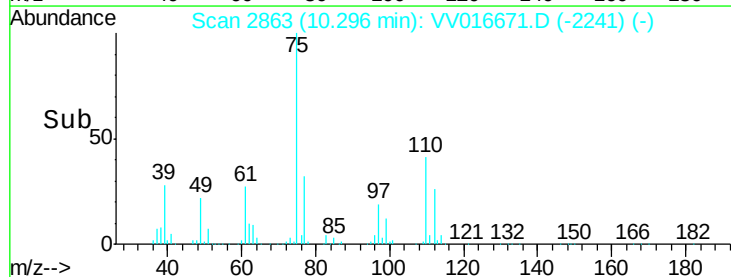
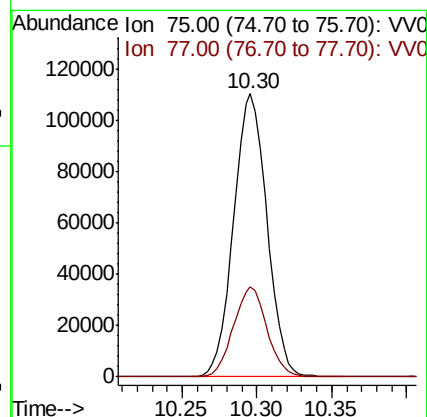
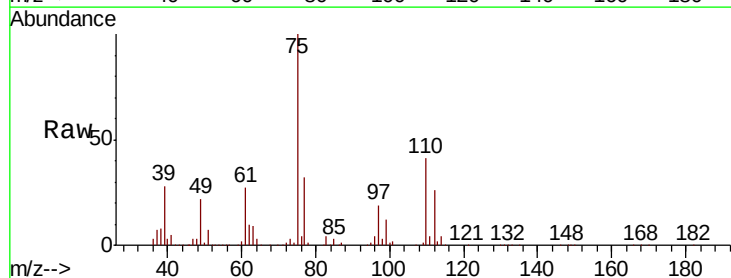
Acq: 08 Jun 2020 19:47

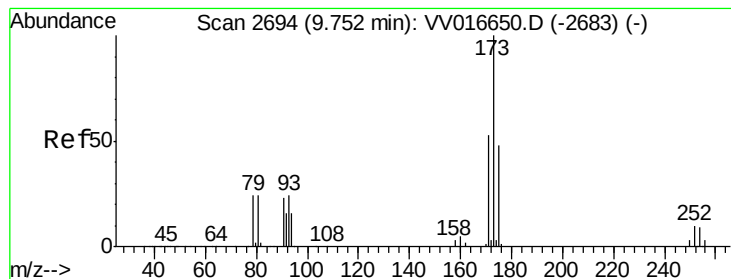
Tgt Ion: 75 Resp: 171581

Ion Ratio Lower Upper

75 100

77 31.8 26.1 39.1





#61

Bromoform

Concen: 50.753 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

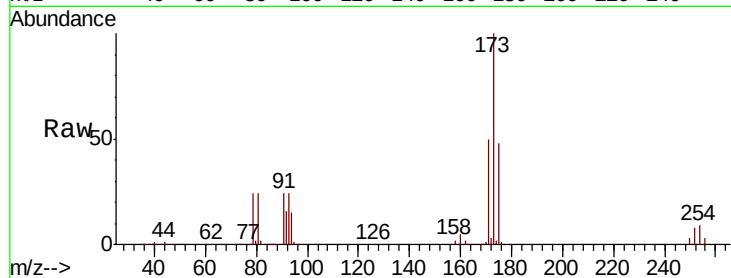
Tot Ion:173 Resp: 95327

Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

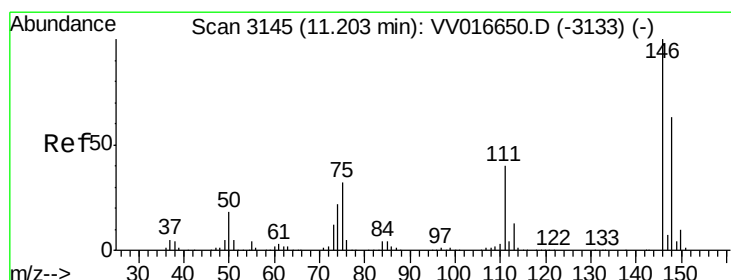
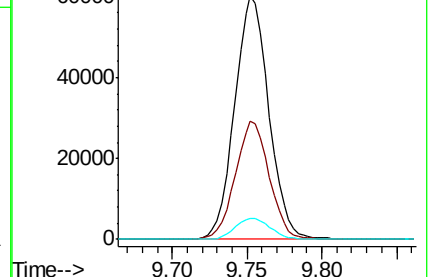
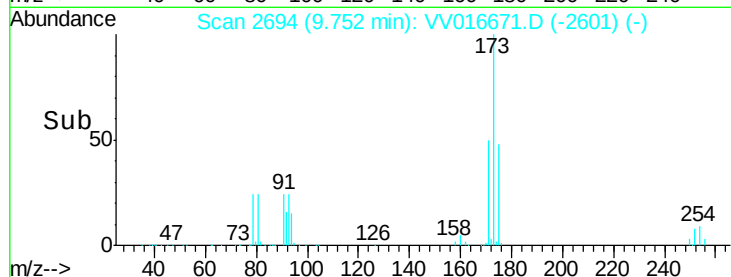
254 8.9 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 49.288 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

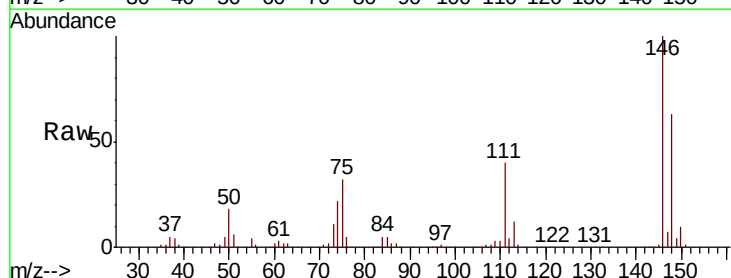
Tgt Ion:146 Resp: 285067

Ion Ratio Lower Upper

146 100

111 39.7 28.3 52.7

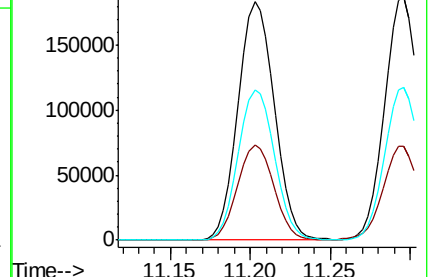
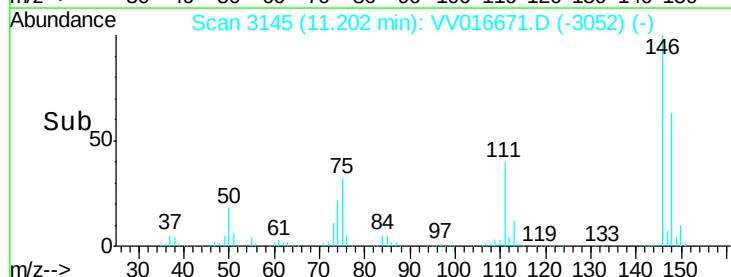
148 62.8 44.2 82.2

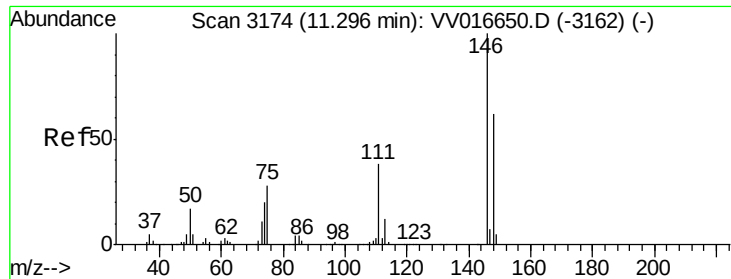


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

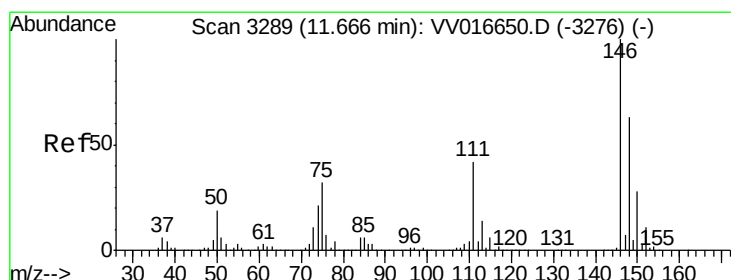
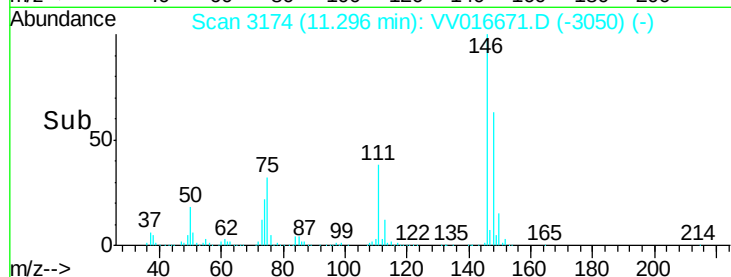
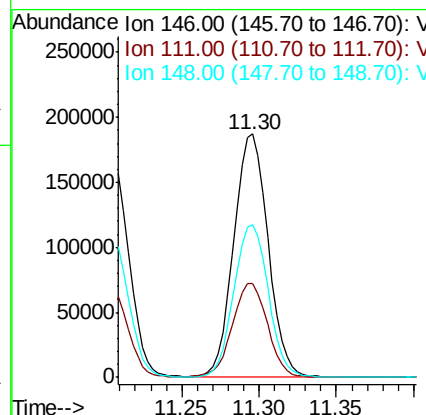
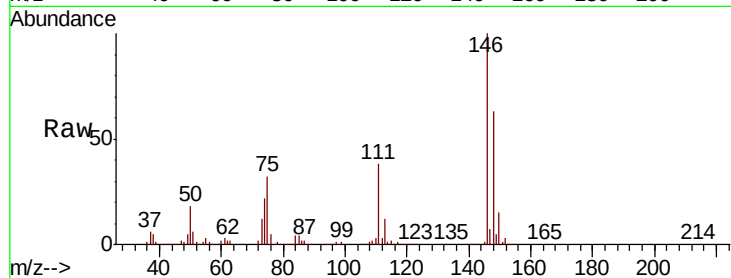




#63
 1,4-Dichlorobenzene
 Concen: 48.793 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

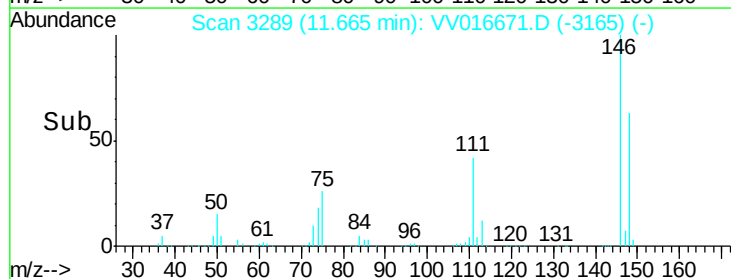
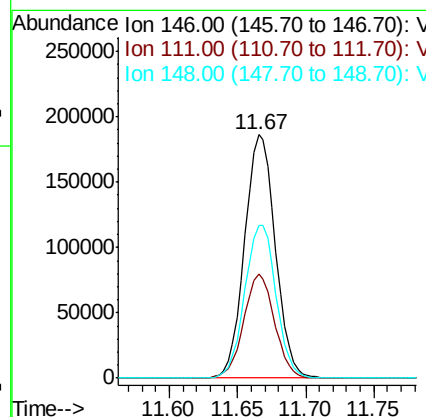
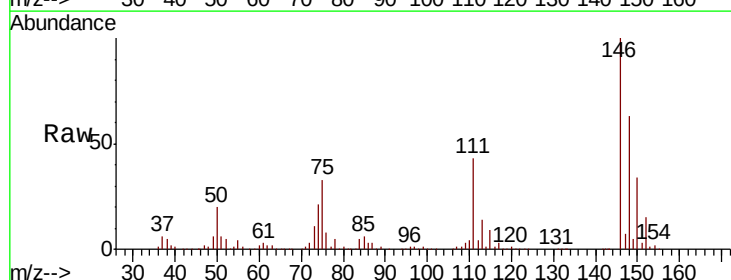
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD05073

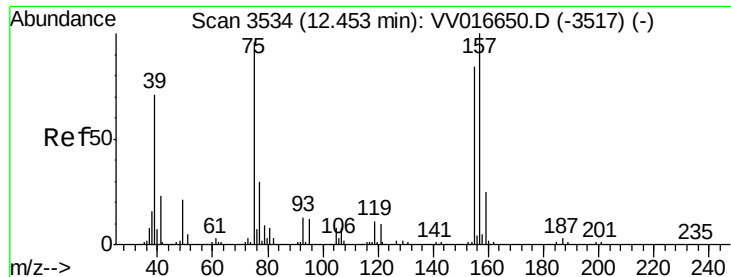
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.7	49.7
148	62.8	43.5	80.9



#65
 1,2-Dichlorobenzene
 Concen: 50.286 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	33.7	50.5
148	62.8	50.7	76.1





#66

1,2-Dibromo-3-chloropropane

Concen: 51.825 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

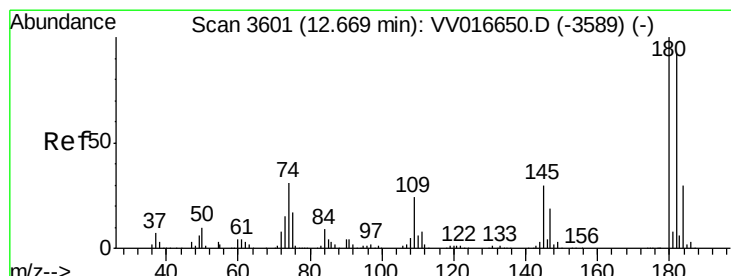
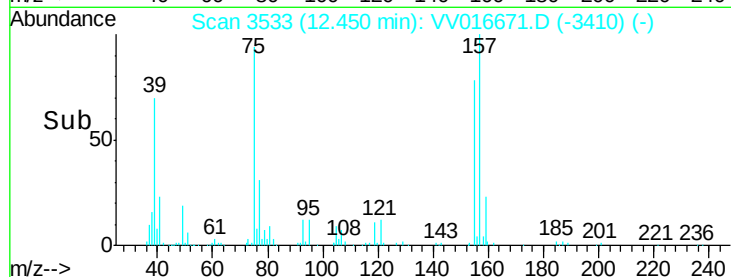
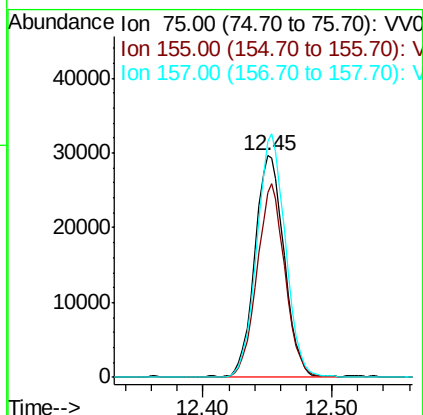
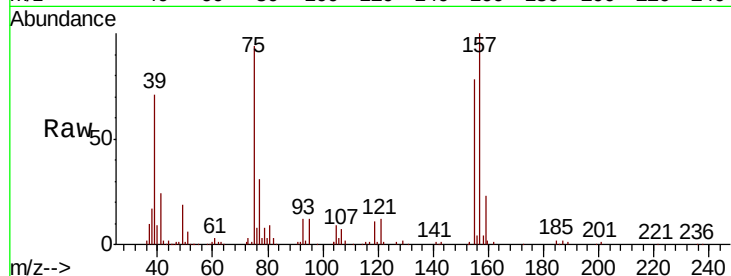
Tot Ion: 75 Resp: 47232

Ion Ratio Lower Upper

75 100

155 83.5 69.8 104.6

157 106.6 83.4 125.2



#67

1,3,5-Trichlorobenzene

Concen: 48.738 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV016671.D

Acq: 08 Jun 2020 19:47

Tgt Ion: 180 Resp: 210197

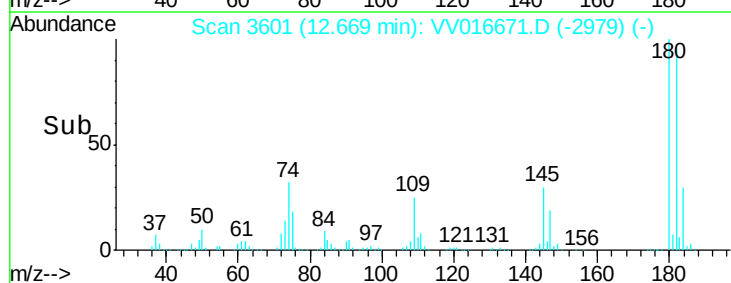
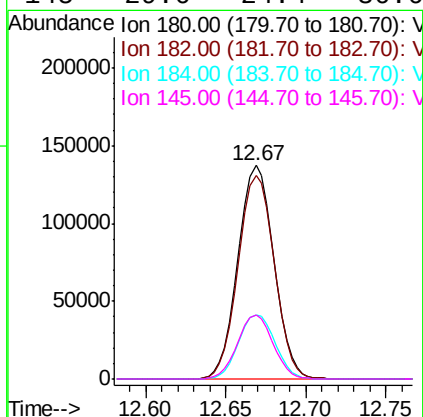
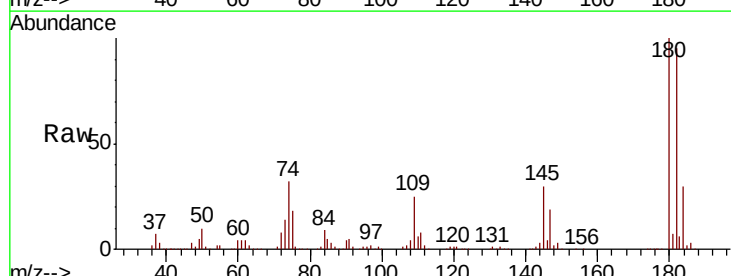
Ion Ratio Lower Upper

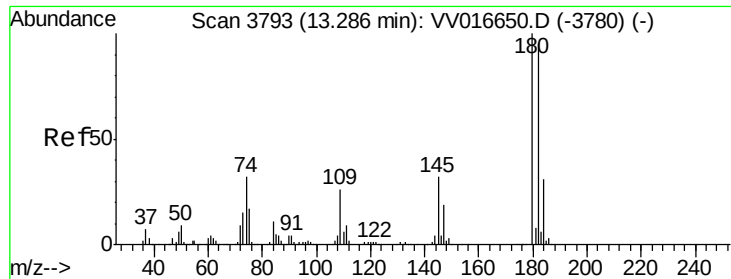
180 100

182 96.0 75.0 112.6

184 30.7 24.5 36.7

145 29.6 24.4 36.6

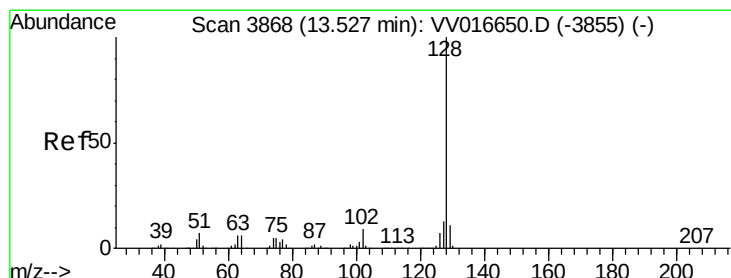
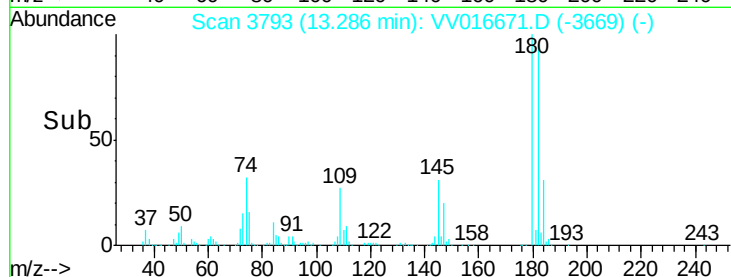
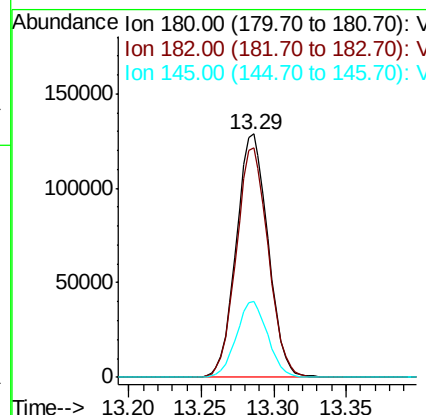
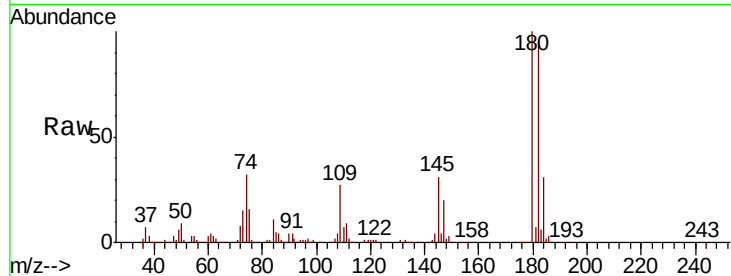




#68
 1,2,4-trichlorobenzene
 Concen: 49.614 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

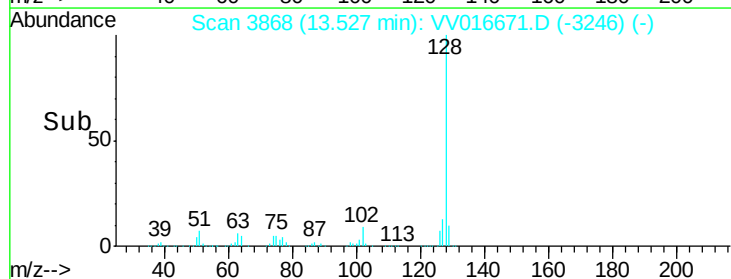
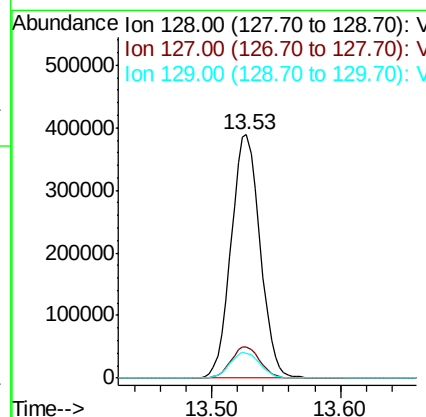
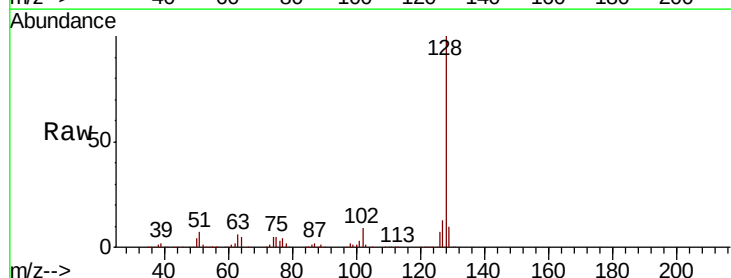
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

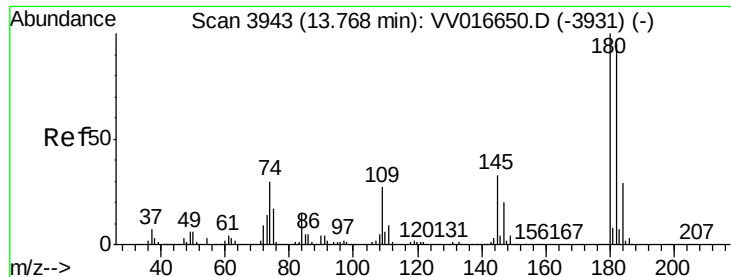
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.9	115.3
145	30.8	25.2	37.8



#69
 Naphthalene
 Concen: 53.250 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.7	13.1





#70
 1,2,3-Trichlorobenzene
 Concen: 50.083 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016671.D
 Acq: 08 Jun 2020 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tot Ion:	180	Resp:	193854
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.5	114.7
145	32.8	26.1	39.1

