

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016872.D
 Acq On : 12 Jun 2020 11:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Quant Time: Jun 13 01:38:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 05:55:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	328006	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	315447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169567	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	103348	44.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.30%
7) Chloroethane-d5	1.56	69	71092	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.38%
11) 1,1-Dichloroethene-d2	2.12	63	185466	47.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.44%
21) 2-Butanone-d5	3.89	46	168646	98.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.45%
24) Chloroform-d	4.37	84	228801	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.24%
26) 1,2-Dichloroethane-d4	5.05	65	160216	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.10%
32) Benzene-d6	5.07	84	422801	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.09	67	131347	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.68%
41) Toluene-d8	7.33	98	397387	47.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.24%
43) trans-1,3-Dichloropropene-	7.64	79	65127	44.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.24%
47) 2-Hexanone-d5	8.11	63	113589	91.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.92%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	181773	48.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	174656	48.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	127283	48.946	ug/L 99
3) Chloromethane	1.25	50	118154	49.684	ug/L 96
5) Vinyl chloride	1.32	62	106349	45.475	ug/L 99
6) Bromomethane	1.51	94	43992	45.166	ug/L 96
8) Chloroethane	1.58	64	59244	51.285	ug/L 98
9) Trichlorofluoromethane	1.75	101	172747	49.361	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	81617	46.801	ug/L 99
12) 1,1-Dichloroethene	2.13	96	77420	47.556	ug/L 96
13) Acetone	2.17	43	98861	87.590	ug/L 98
14) Carbon disulfide	2.30	76	259373	44.004	ug/L 99
15) Methyl Acetate	2.44	43	129199	51.358	ug/L 100
16) Methylene chloride	2.52	84	120014	50.238	ug/L 99
17) trans-1,2-Dichloroethene	2.77	96	107087	48.244	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	384169	52.233	ug/L 99
19) 1,1-Dichloroethane	3.20	63	204751	49.005	ug/L 98
20) cis-1,2-Dichloroethene	3.93	96	120025	49.599	ug/L 98
22) 2-Butanone	3.97	43	175153	100.633	ug/L 99

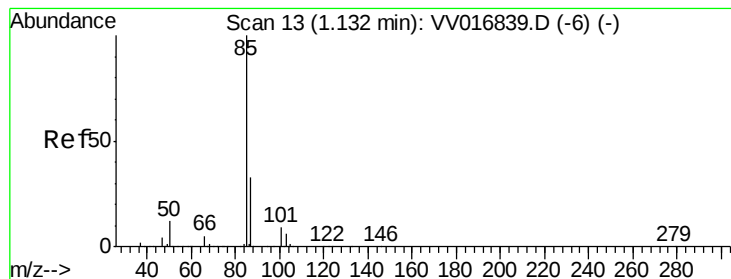
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016872.D
 Acq On : 12 Jun 2020 11:59
 Operator : SY/MD
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Quant Time: Jun 13 01:38:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 05:55:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	65346	51.262	uq/L	98
25) Chloroform	4.40	83	220755	51.411	uq/L	97
27) 1,2-Dichloroethane	5.15	62	189630	52.682	uq/L	97
29) Cyclohexane	4.70	56	171452	43.739	uq/L	98
30) 1,1,1-Trichloroethane	4.63	97	198747	49.404	uq/L	99
31) Carbon tetrachloride	4.85	117	172502	49.567	uq/L	99
33) Benzene	5.12	78	441580	47.313	uq/L	100
34) Trichloroethene	5.93	95	121063	48.365	uq/L	97
35) Methylcyclohexane	6.15	83	170935	43.530	uq/L	100
37) 1,2-Dichloropropane	6.19	63	116975	48.194	uq/L	99
38) Bromodichloromethane	6.53	83	162821	50.393	uq/L	96
39) cis-1,3-Dichloropropene	7.05	75	171612	45.518	uq/L	97
40) 4-Methyl-2-pentanone	7.24	43	365647	106.313	uq/L	99
42) Toluene	7.41	91	482132	49.003	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	173334	47.289	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	120319	51.382	uq/L	96
46) Tetrachloroethene	7.99	164	92390	46.931	uq/L	98
48) 2-Hexanone	8.16	43	284744	106.776	uq/L	98
49) Dibromochloromethane	8.27	129	131183	52.395	uq/L	99
50) 1,2-Dibromoethane	8.37	107	125648	51.239	uq/L	97
51) Chlorobenzene	8.90	112	315583	49.163	uq/L	100
52) Ethylbenzene	9.03	91	536773	49.255	uq/L	99
53) m,p-Xylene	9.16	106	201133	49.569	uq/L	98
54) o-xylene	9.56	106	204417	51.081	uq/L	98
55) Styrene	9.58	104	351226	51.911	uq/L	99
56) Isopropylbenzene	9.95	105	544369	50.625	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	180942	50.397	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	158482	52.626	uq/L	99
61) Bromoform	9.75	173	88685	50.847	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	267954	49.891	uq/L	99
63) 1,4-Dichlorobenzene	11.30	146	268469	49.129	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	277025	51.470	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	42530	50.254	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	195819	48.895	uq/L	98
68) 1,2,4-trichlorobenzene	13.29	180	179803	48.947	uq/L	99
69) Naphthalene	13.53	128	563724	53.349	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	182631	50.811	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 48.946 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

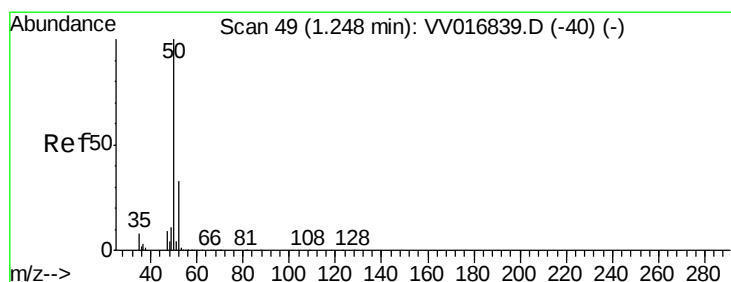
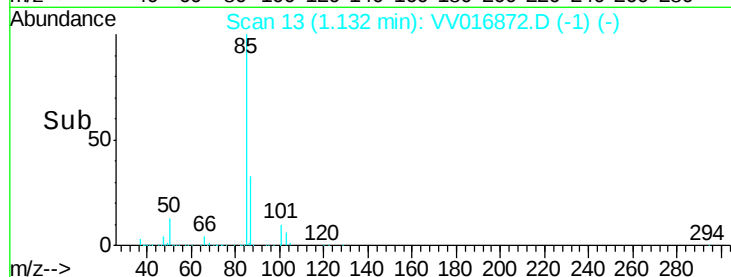
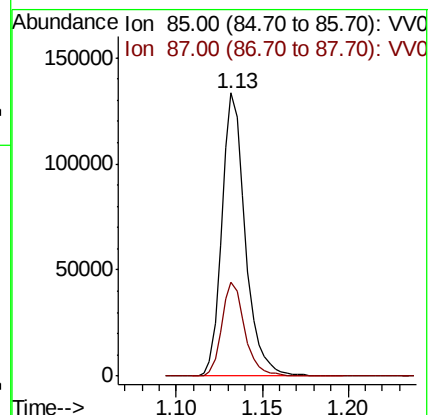
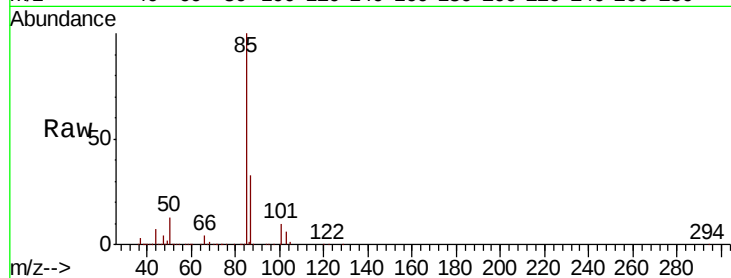
VSTD05086

Tot Ion: 85 Resp: 127283

Ion Ratio Lower Upper

85 100

87 32.7 25.6 38.4



#3

Chloromethane

Concen: 49.684 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016872.D

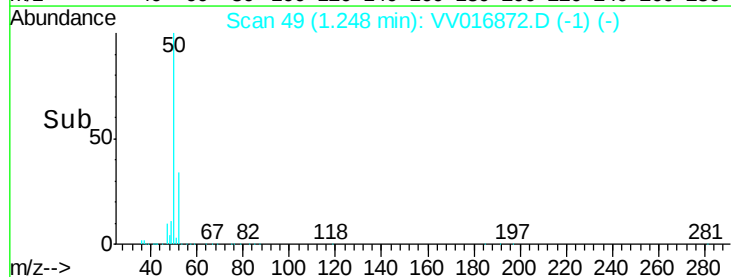
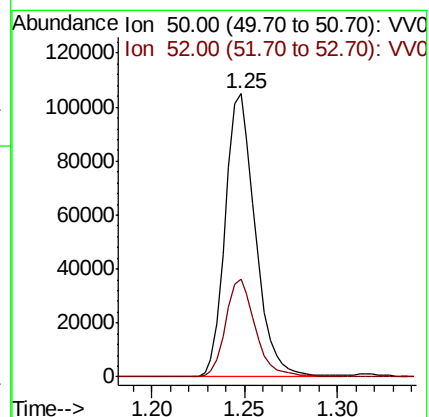
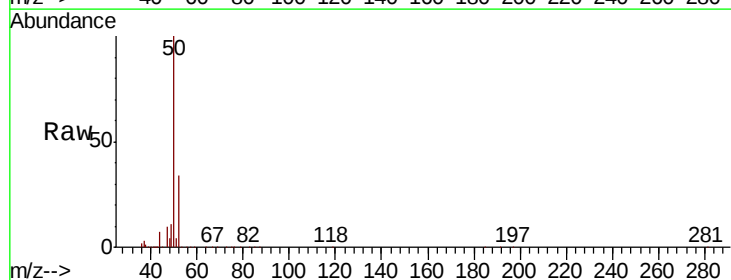
Acq: 12 Jun 2020 11:59

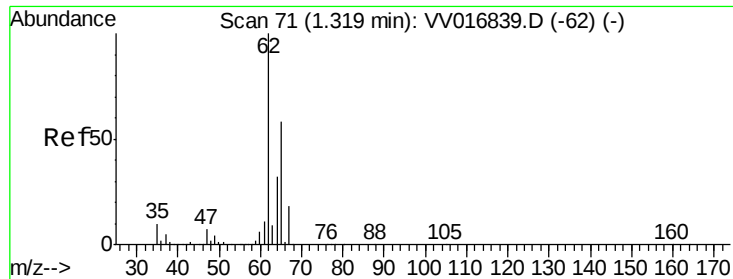
Tgt Ion: 50 Resp: 118154

Ion Ratio Lower Upper

50 100

52 34.4 22.5 41.7





#5

Vinyl chloride

Concen: 45.475 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

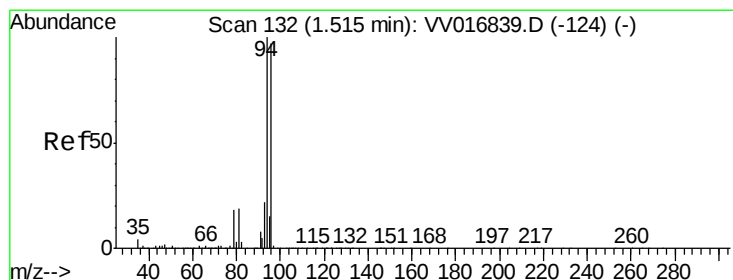
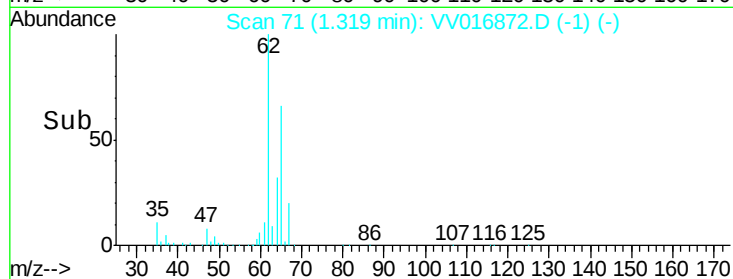
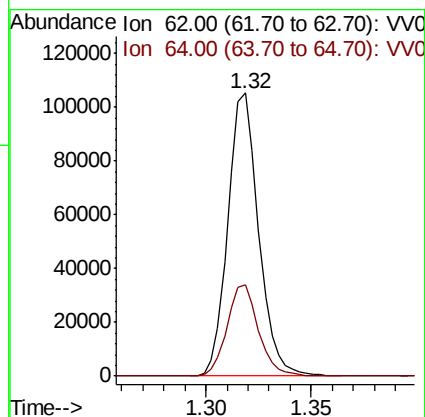
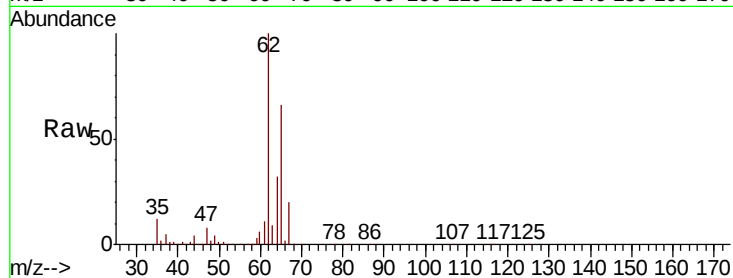
VSTD05086

Tot Ion: 62 Resp: 106349

Ion Ratio Lower Upper

62 100

64 32.2 22.3 41.5



#6

Bromomethane

Concen: 45.166 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.01 min

Lab File: VV016872.D

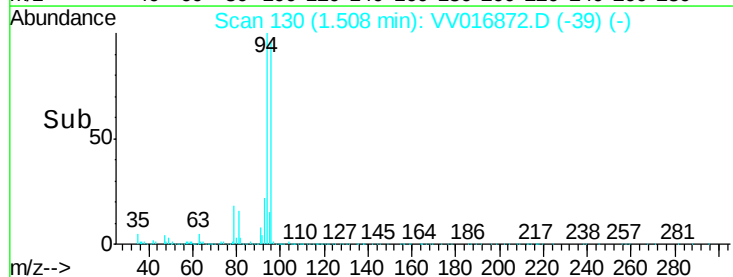
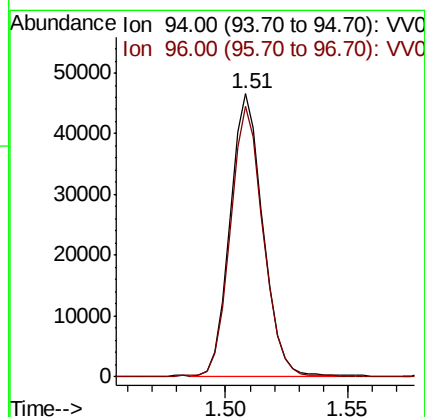
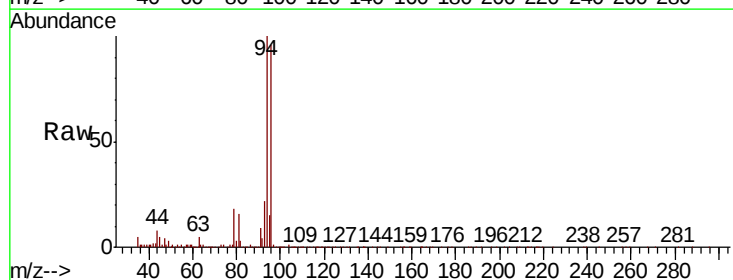
Acq: 12 Jun 2020 11:59

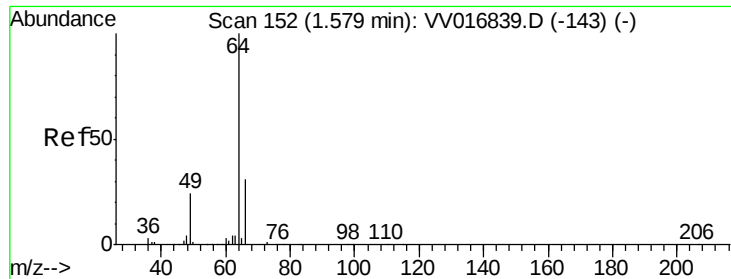
Tgt Ion: 94 Resp: 43992

Ion Ratio Lower Upper

94 100

96 95.6 64.5 119.9





#8

Chloroethane

Concen: 51.285 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

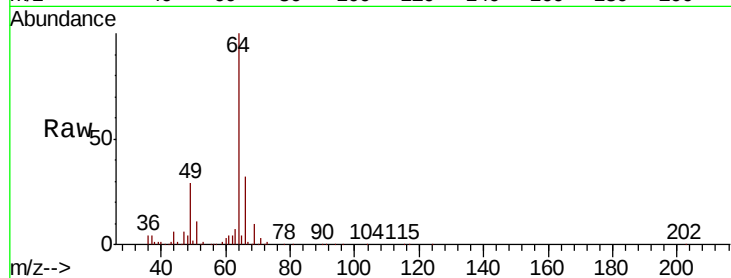
VSTD05086

Tot Ion: 64 Resp: 59244

Ion Ratio Lower Upper

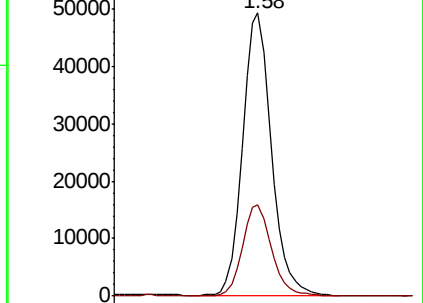
64 100

66 32.1 23.2 43.0

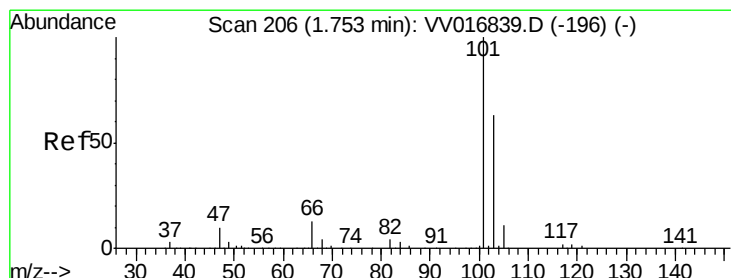
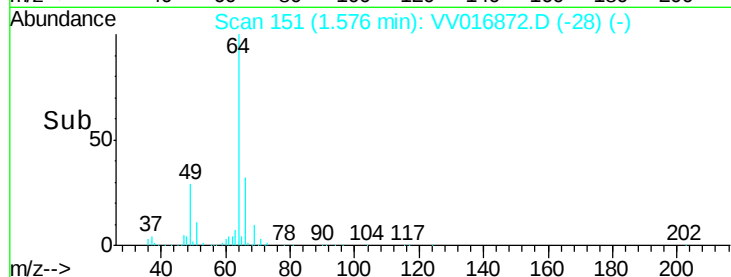


Abundance Ion 64.00 (63.70 to 64.70): VV016872.D (-143) (-)

Ion 66.00 (65.70 to 66.70): VV016872.D (-143) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 49.361 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV016872.D

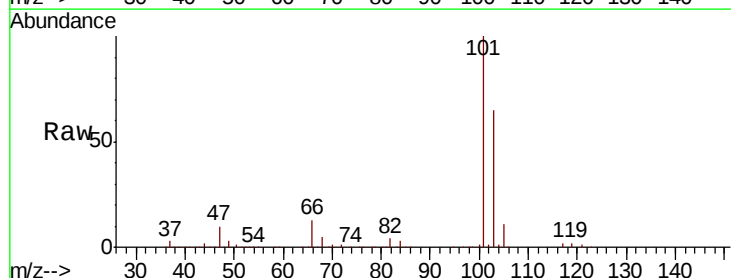
Acq: 12 Jun 2020 11:59

Tgt Ion: 101 Resp: 172747

Ion Ratio Lower Upper

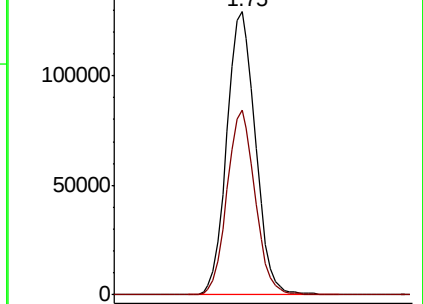
101 100

103 64.1 51.3 76.9

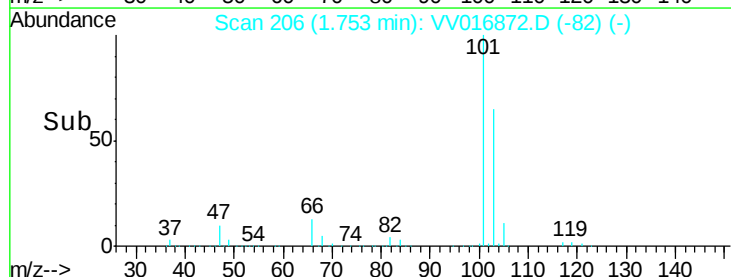


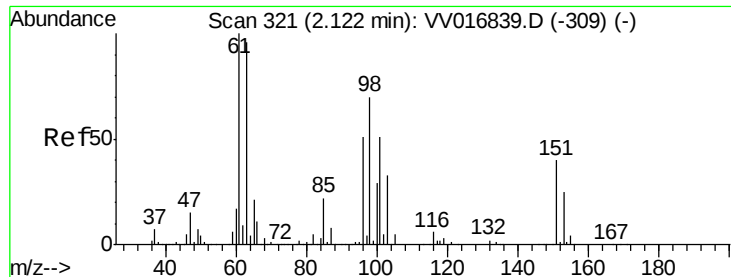
Abundance Ion 101.00 (100.70 to 101.70): VV016872.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV016872.D (-196) (-)



Time-->





#10

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

Concen: 46.801 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

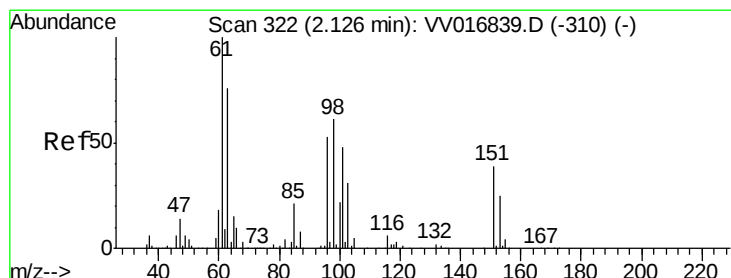
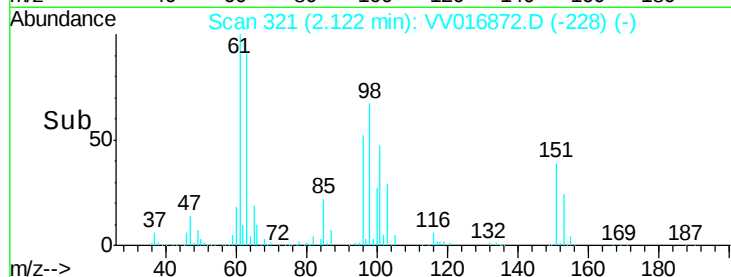
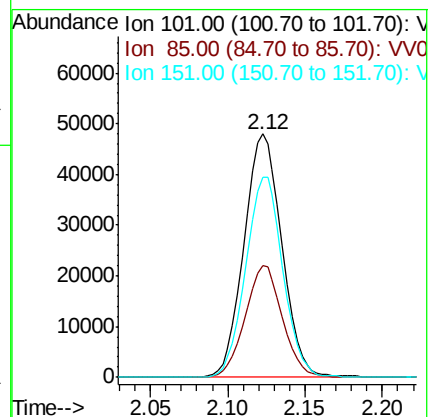
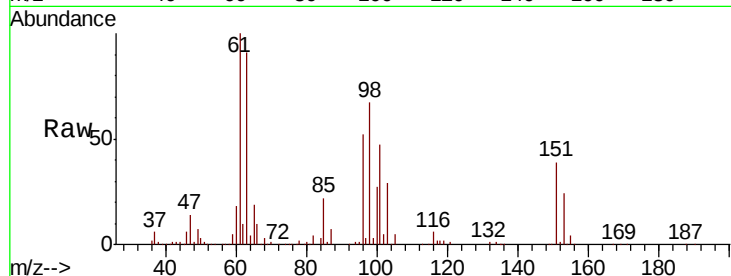
Tot Ion:101 Resp: 81617

Ion Ratio Lower Upper

101 100

85 45.0 35.5 53.3

151 81.3 63.9 95.9



#12

1,1-Dichloroethene

Concen: 47.556 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

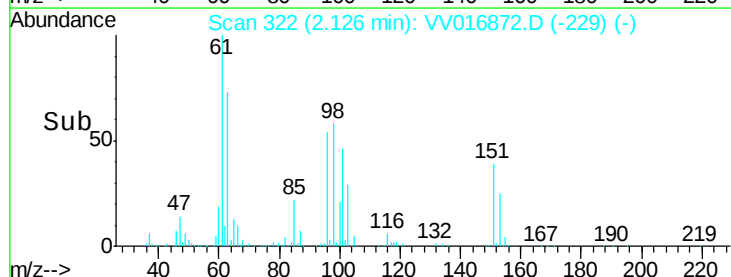
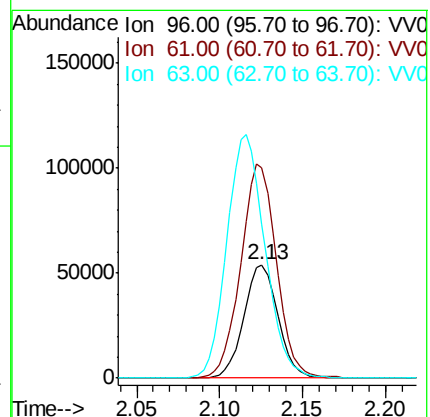
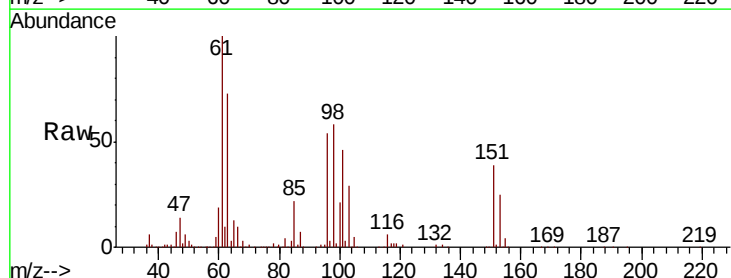
Tgt Ion: 96 Resp: 77420

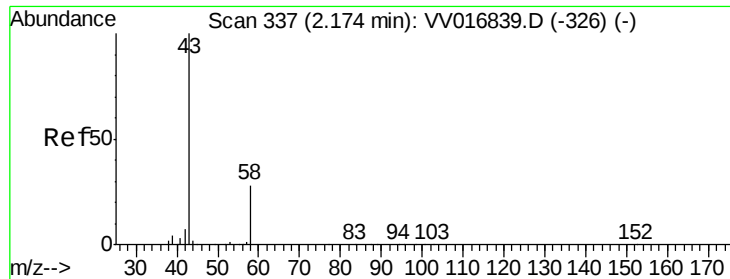
Ion Ratio Lower Upper

96 100

61 185.9 130.4 242.2

63 135.6 103.3 191.9





#13

Acetone

Concen: 87.590 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

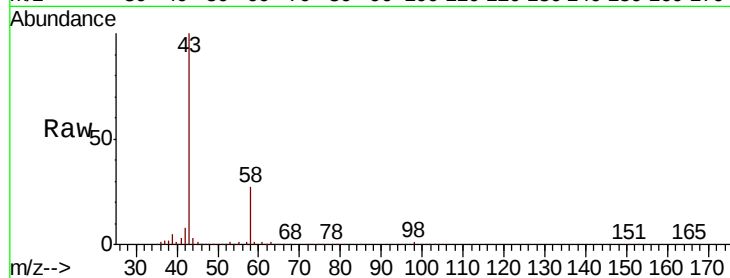
VSTD05086

Tot Ion: 43 Resp: 98861

Ion Ratio Lower Upper

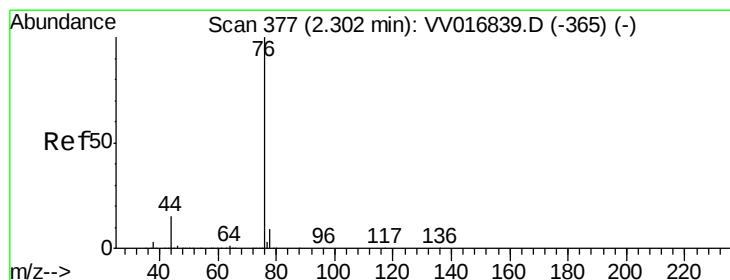
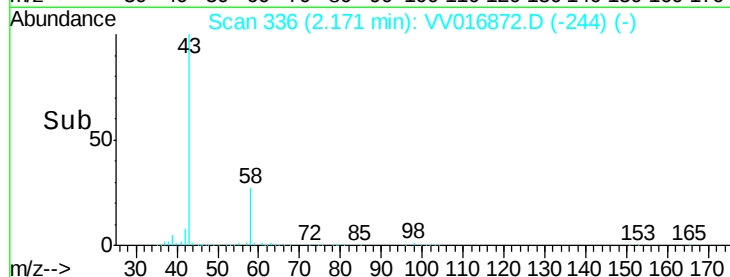
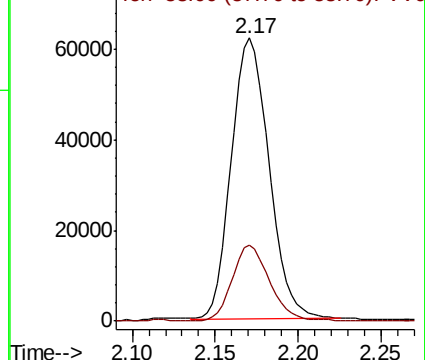
43 100

58 26.6 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 44.004 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV016872.D

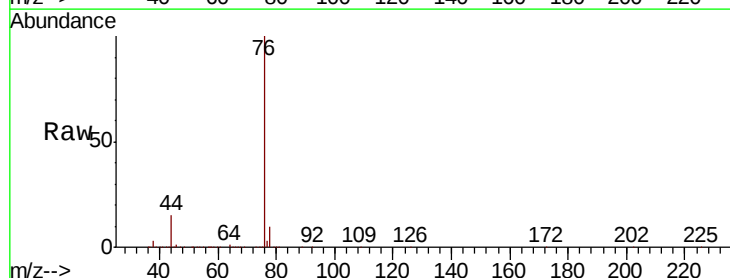
Acq: 12 Jun 2020 11:59

Tgt Ion: 76 Resp: 259373

Ion Ratio Lower Upper

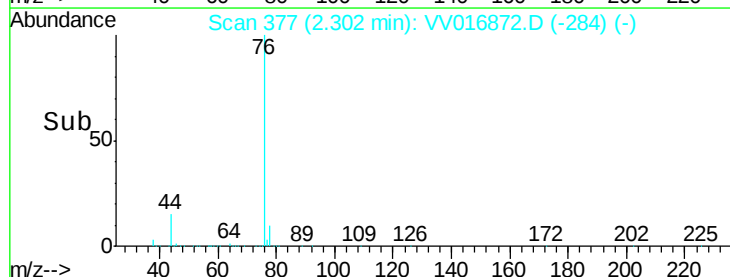
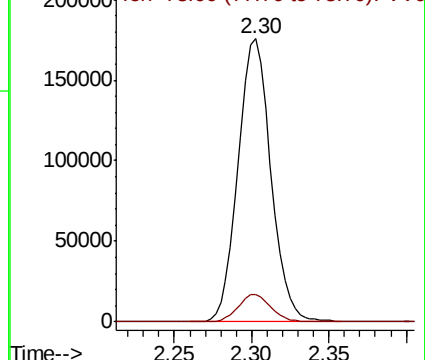
76 100

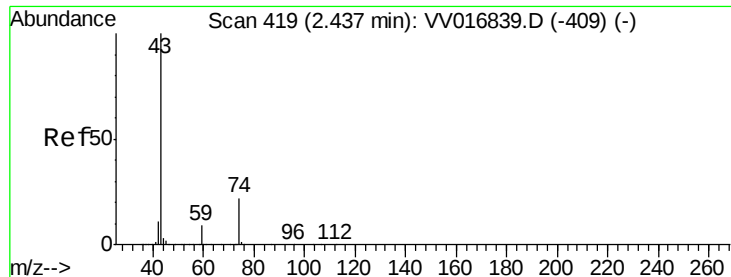
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

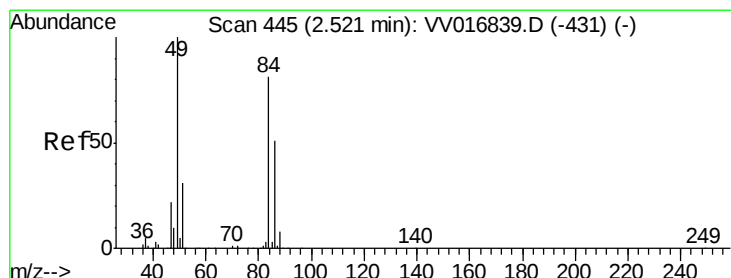
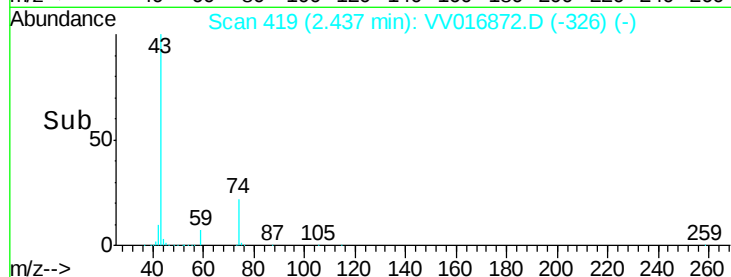
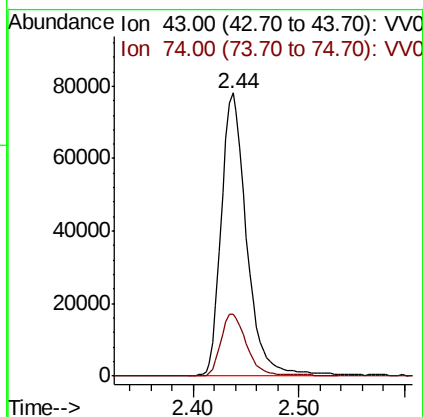
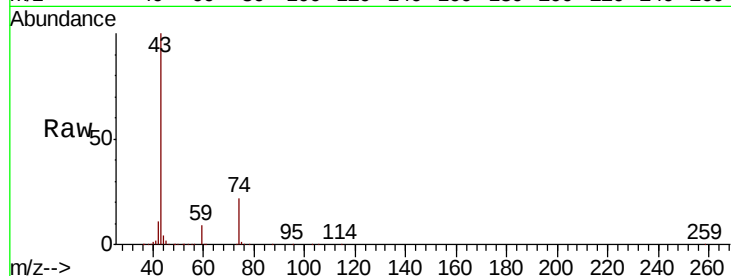




#15
Methvl Acetate
Concen: 51.358 ug/L
RT: 2.44 min Scan# 419
Delta R.T. 0.00 min
Lab File: VV016872.D
Acq: 12 Jun 2020 11:59

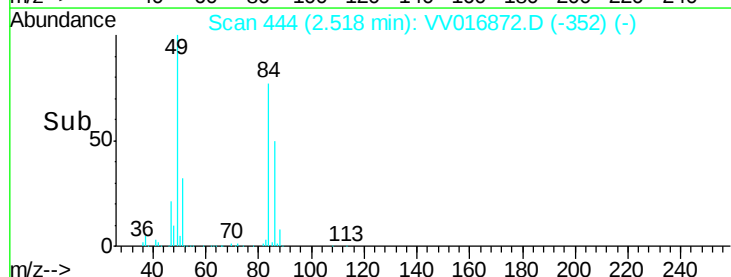
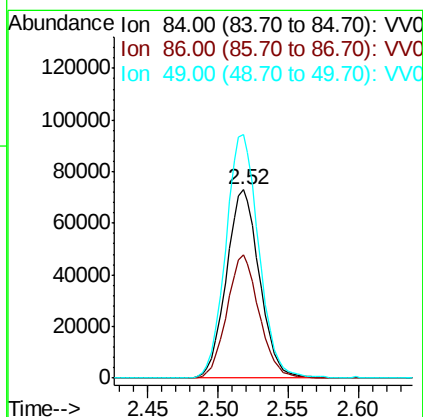
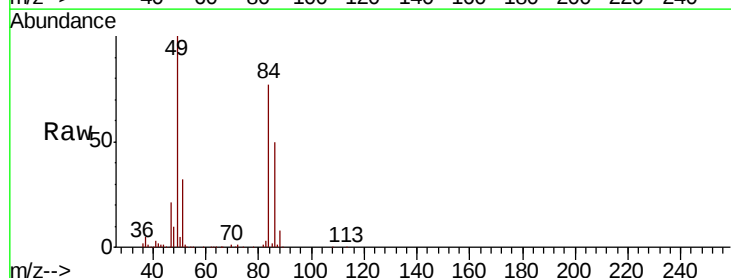
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

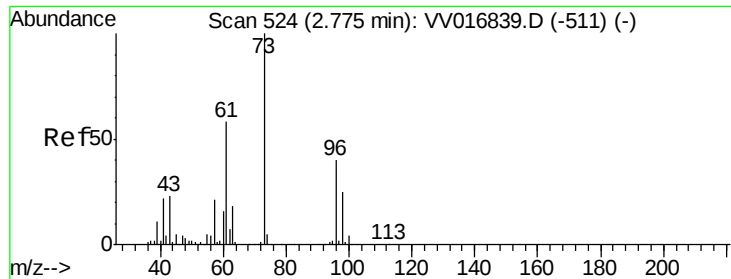
Tot Ion: 43 Resp: 129199
Ion Ratio Lower Upper
43 100
74 22.2 17.9 26.9



#16
Methylene chloride
Concen: 50.238 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV016872.D
Acq: 12 Jun 2020 11:59

Tgt Ion: 84 Resp: 120014
Ion Ratio Lower Upper
84 100
86 65.1 44.0 81.8
49 129.2 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 48.244 ug/L

RT: 2.77 min Scan# 523

Delta R.T. -0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

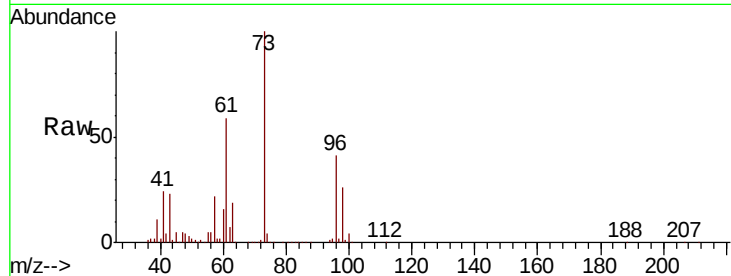
Tot Ion: 96 Resp: 107087

Ion Ratio Lower Upper

96 100

61 142.3 102.9 191.1

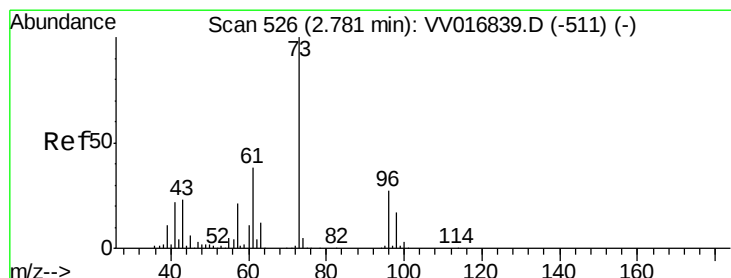
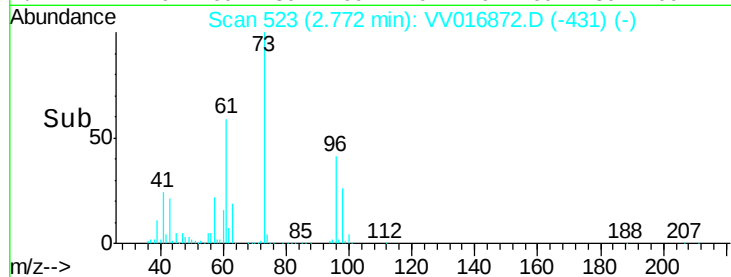
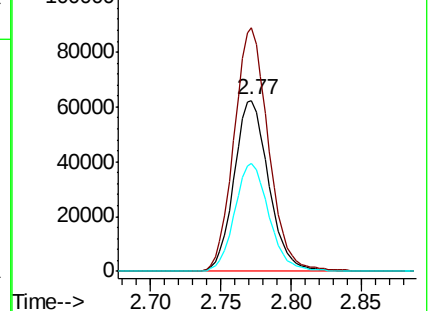
98 63.4 45.5 84.5



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: 52.233 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

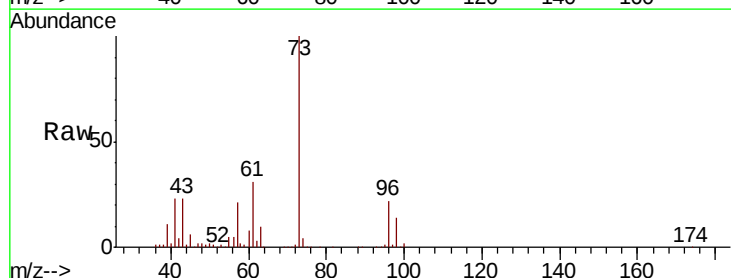
Tgt Ion: 73 Resp: 384169

Ion Ratio Lower Upper

73 100

43 22.8 17.8 26.6

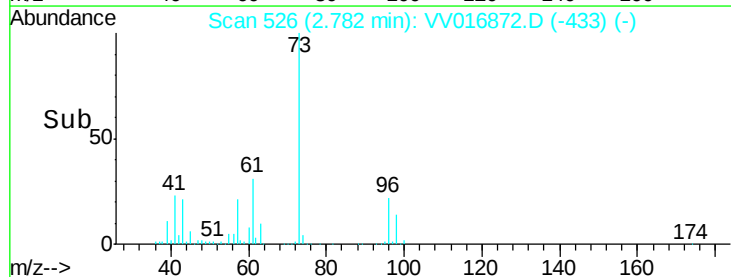
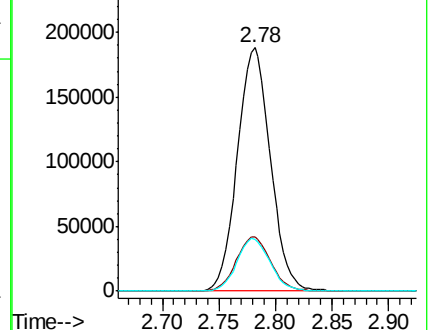
57 21.6 17.7 26.5

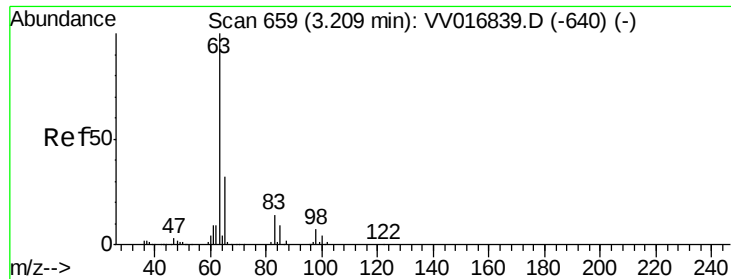


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

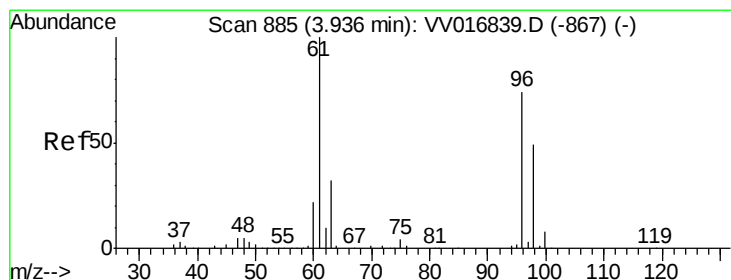
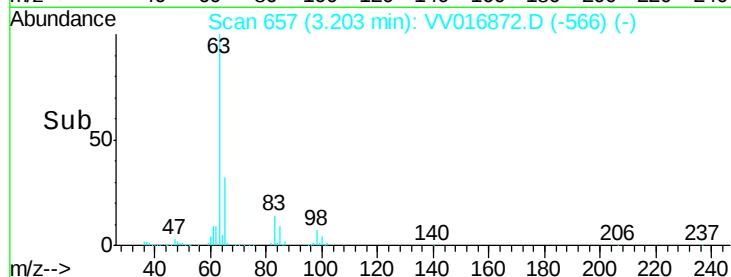
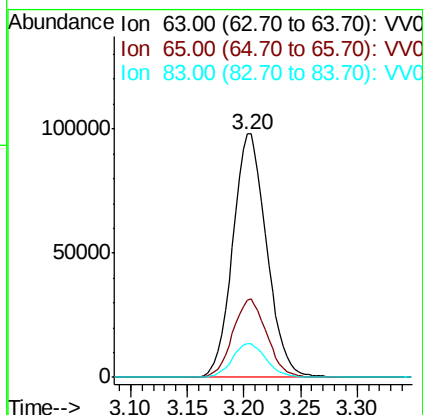
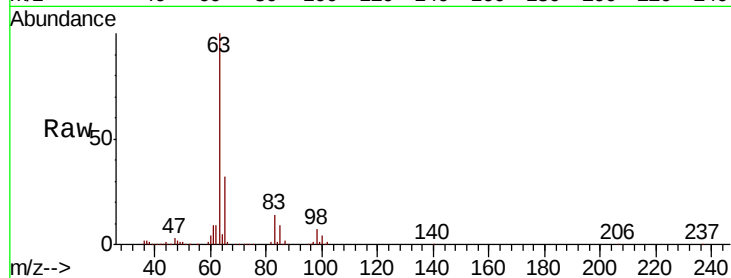




#19
 1,1-Dichloroethane
 Concen: 49.005 ug/L
 RT: 3.20 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

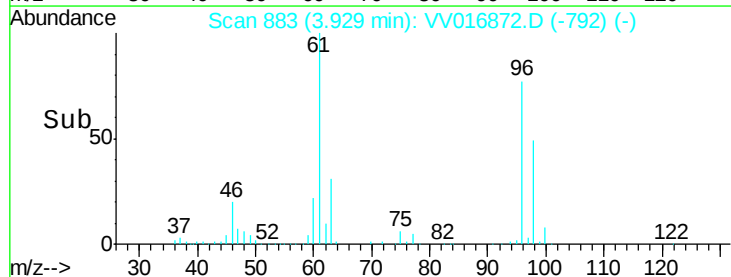
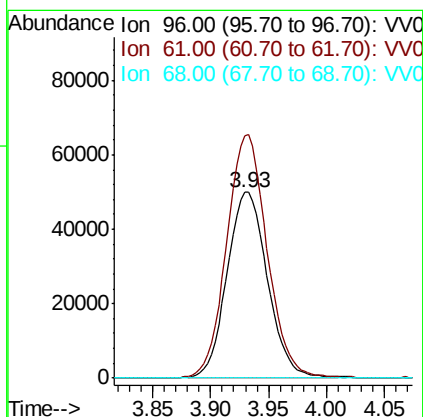
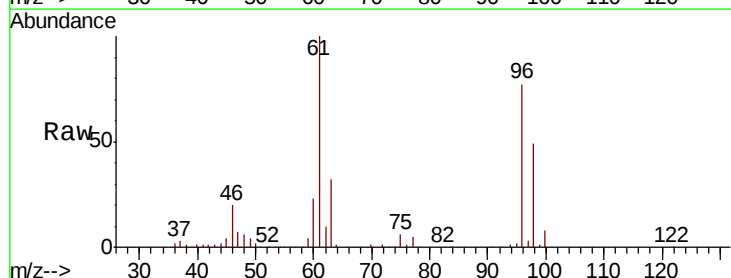
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

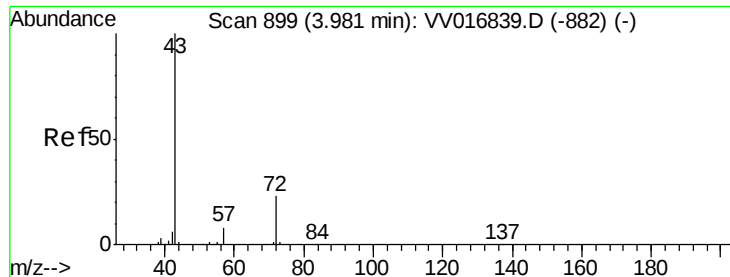
Tot Ion	63	Resp	204751
Ion Ratio	Lower	Upper	
63	100		
65	31.5	23.2	43.0
83	14.1	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 49.599 ug/L
 RT: 3.93 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

Tgt Ion	96	Resp	120025
Ion Ratio	Lower	Upper	
96	100		
61	130.5	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 100.633 ug/L

RT: 3.97 min Scan# 897

Delta R.T. -0.01 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

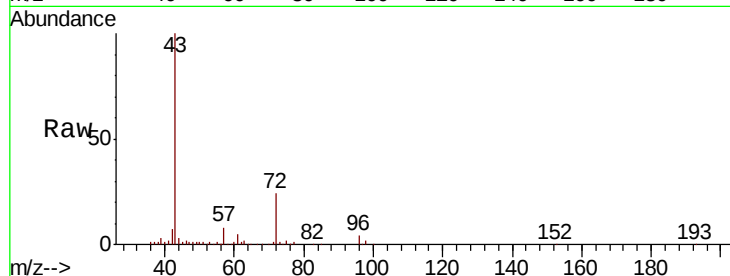
VSTD05086

Tot Ion: 43 Resp: 175153

Ion Ratio Lower Upper

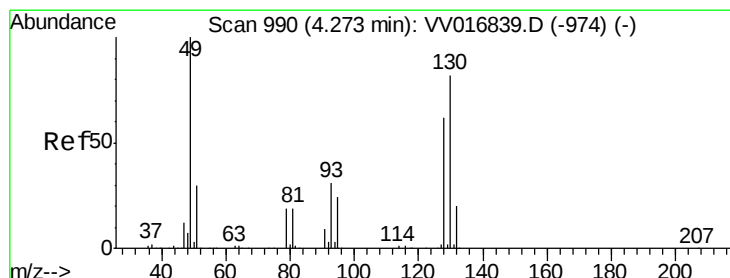
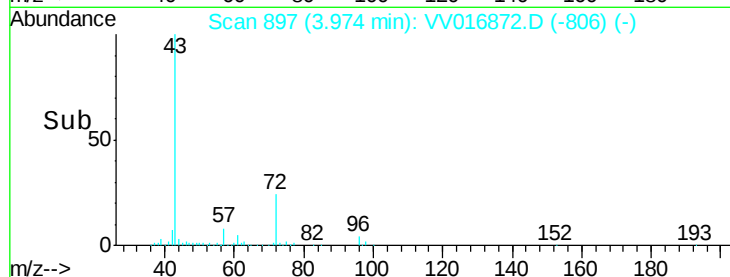
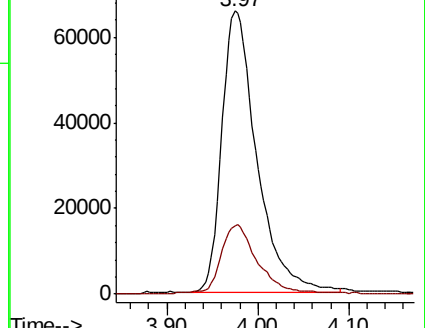
43 100

72 25.4 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016872.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV016872.D (-897) (-)



#23

Bromochloromethane

Concen: 51.262 ug/L

RT: 4.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Tgt Ion:128 Resp: 65346

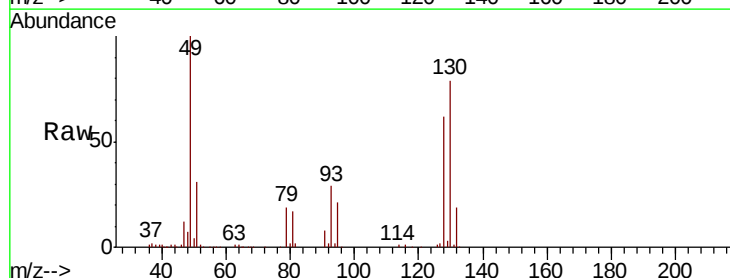
Ion Ratio Lower Upper

128 100

49 161.3 111.9 207.9

130 127.0 91.5 169.9

51 50.4 42.1 63.1

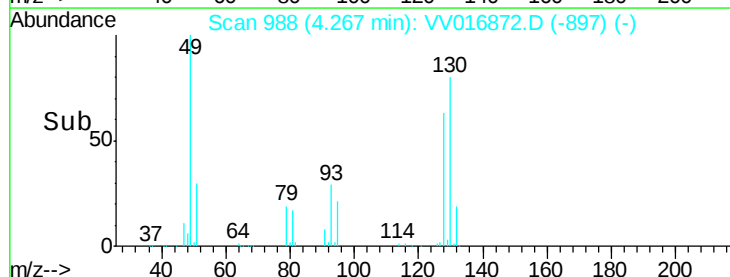
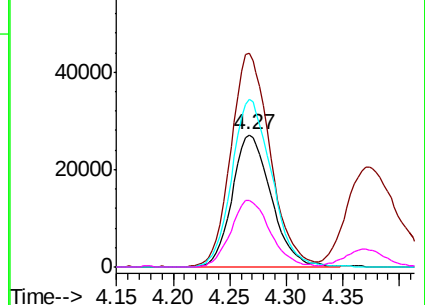


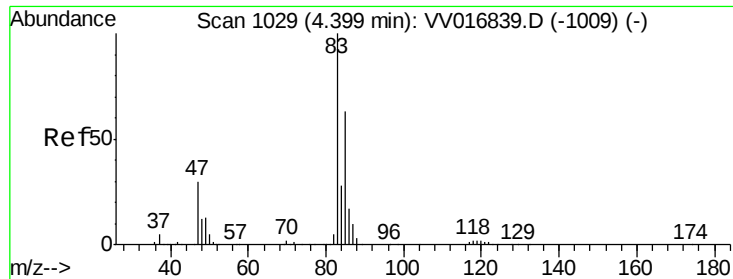
Abundance Ion 128.00 (127.70 to 128.70): VV016872.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV016872.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV016872.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV016872.D (-897) (-)

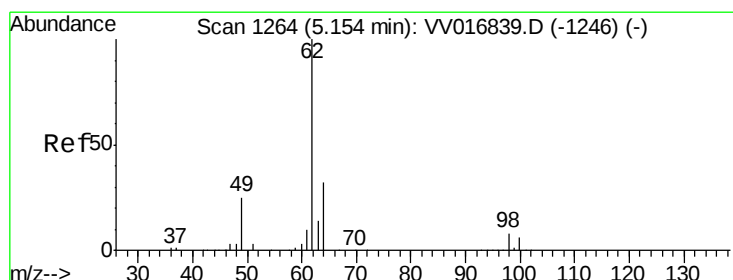
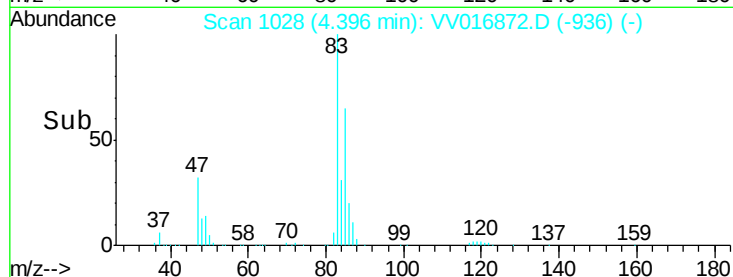
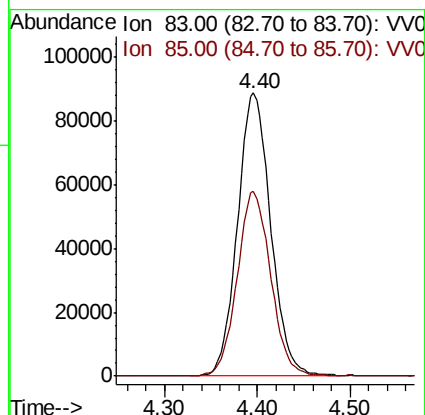
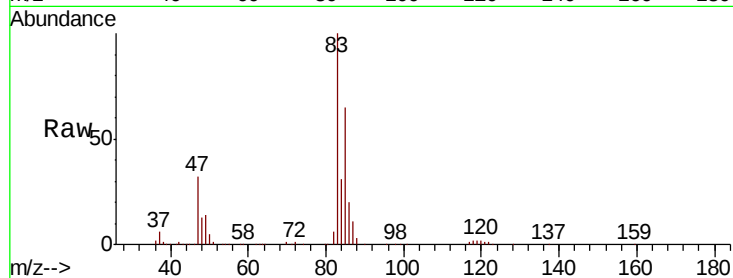




#25
Chloroform
Concen: 51.411 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV016872.D
Acq: 12 Jun 2020 11:59

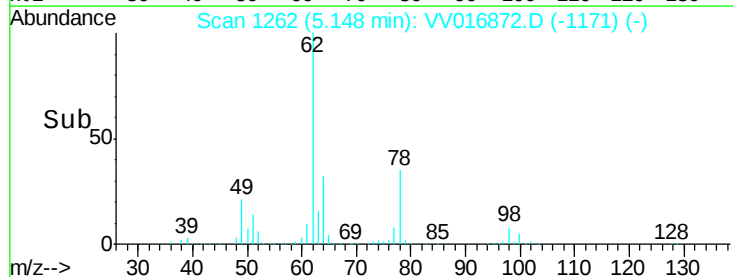
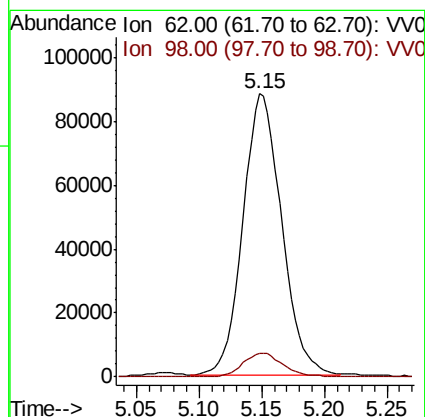
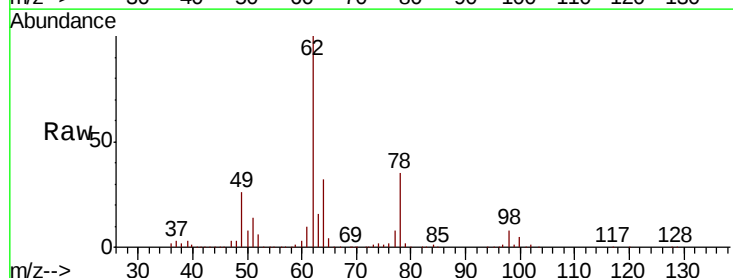
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

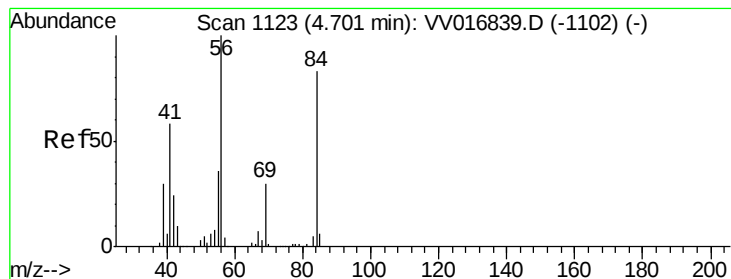
Tot Ion: 83 Resp: 220755
Ion Ratio Lower Upper
83 100
85 65.3 44.1 81.9



#27
1,2-Dichloroethane
Concen: 52.682 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VV016872.D
Acq: 12 Jun 2020 11:59

Tgt Ion: 62 Resp: 189630
Ion Ratio Lower Upper
62 100
98 8.2 7.4 11.2





#29

Cyclohexane

Concen: 43.739 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

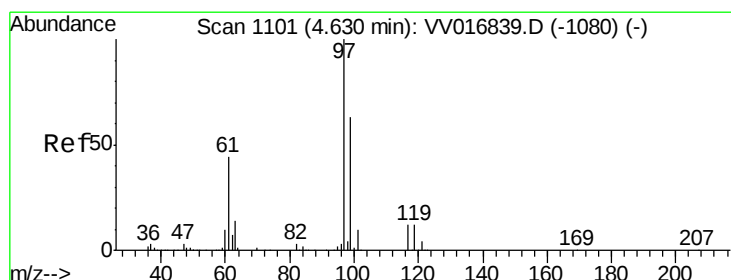
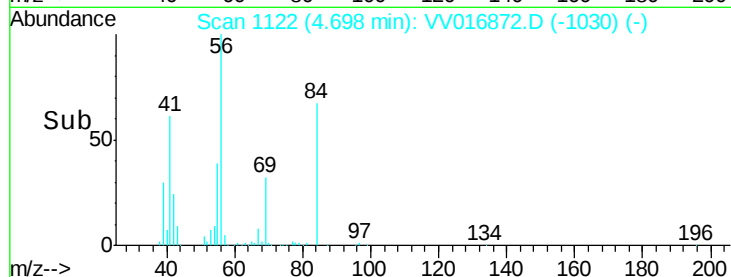
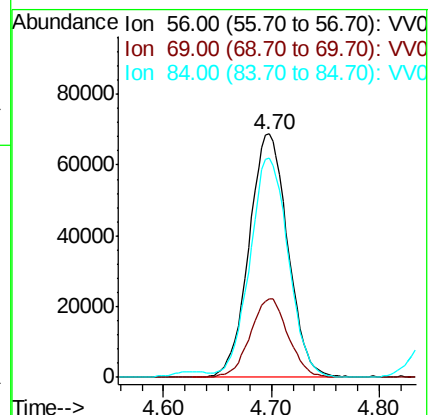
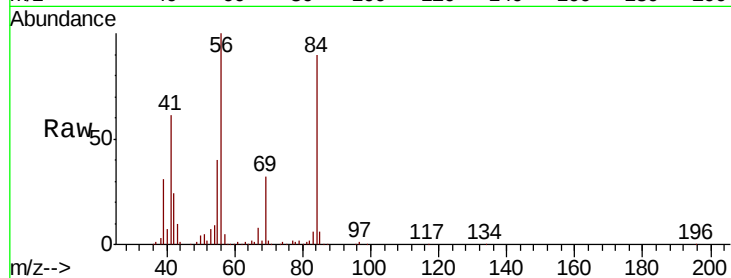
Tot Ion: 56 Resp: 171452

Ion Ratio Lower Upper

56 100

69 31.7 25.0 37.4

84 89.7 69.5 104.3



#30

1,1,1-Trichloroethane

Concen: 49.404 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

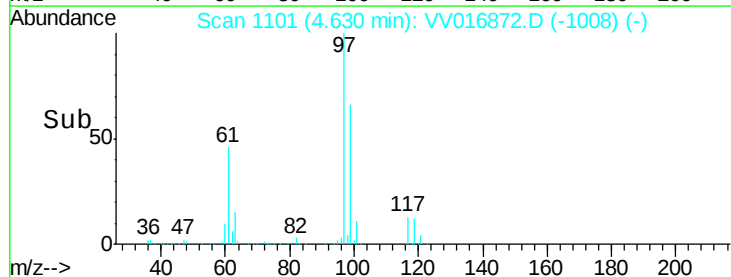
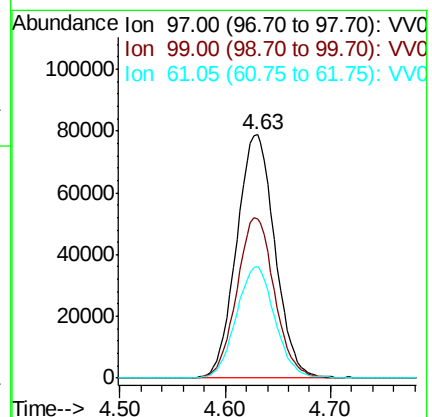
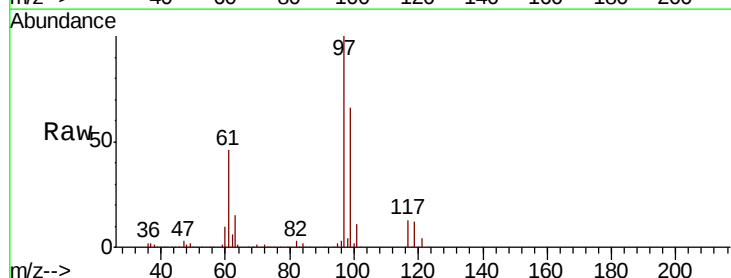
Tgt Ion: 97 Resp: 198747

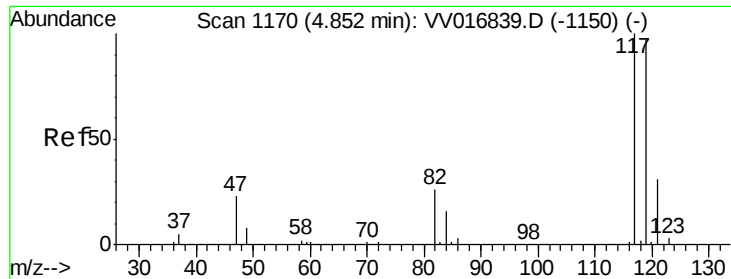
Ion Ratio Lower Upper

97 100

99 64.9 51.3 76.9

61 46.0 36.7 55.1

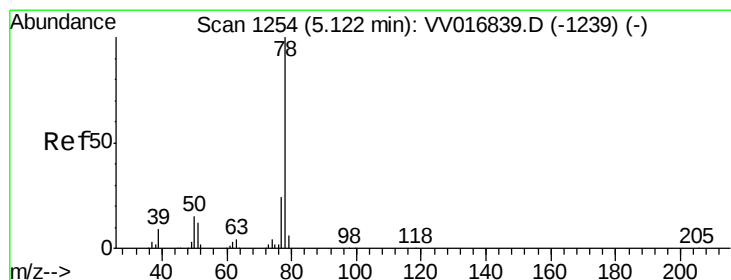
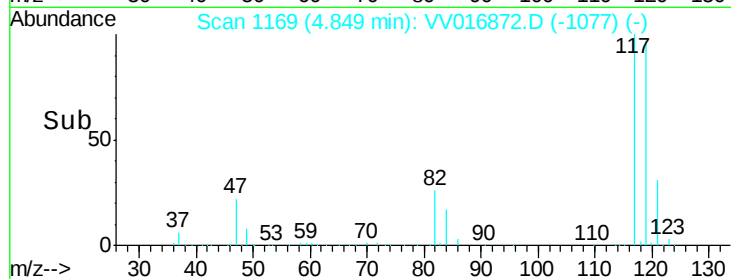
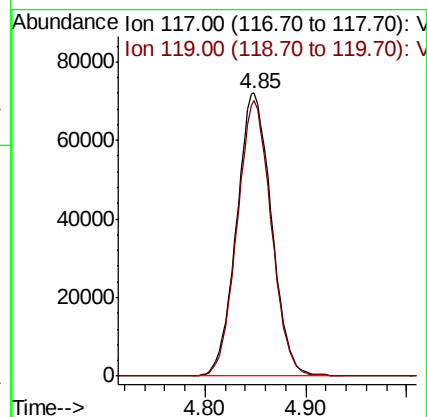
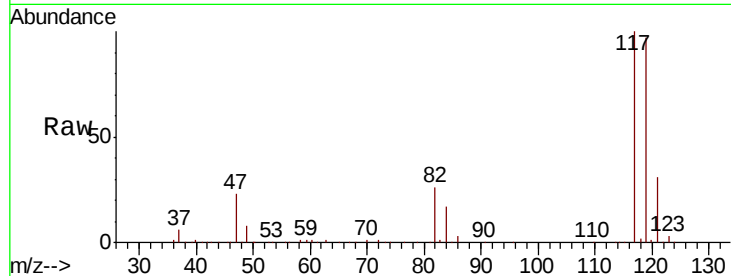




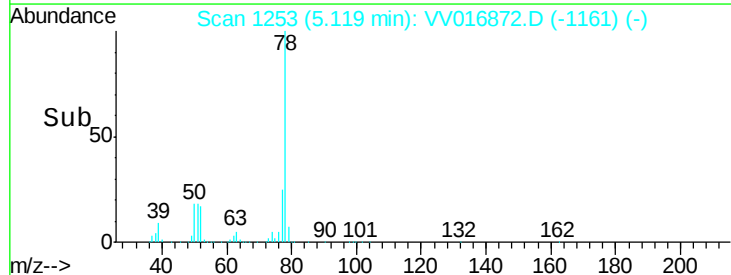
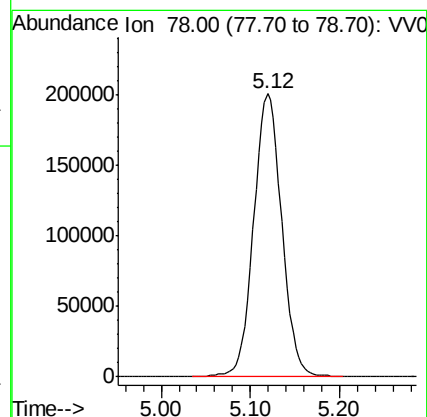
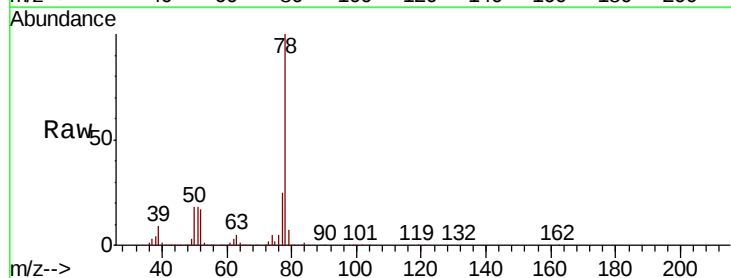
#31
Carbon tetrachloride
Concen: 49.567 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV016872.D
Acq: 12 Jun 2020 11:59

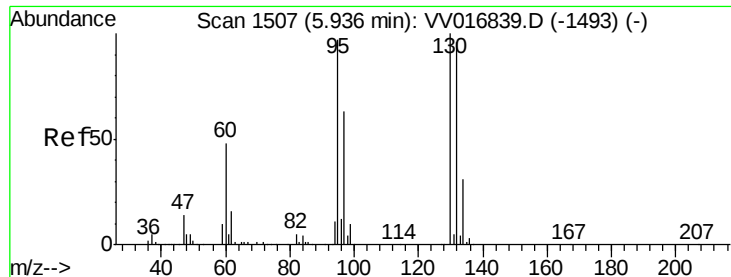
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tot Ion:117 Resp: 172502
Ion Ratio Lower Upper
117 100
119 95.4 77.4 116.2



#33
Benzene
Concen: 47.313 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VV016872.D
Acq: 12 Jun 2020 11:59
Tgt Ion: 78 Resp: 441580

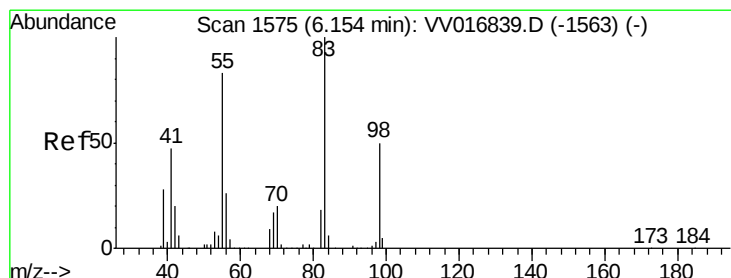
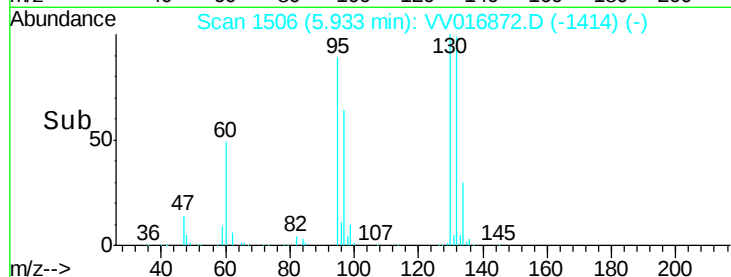
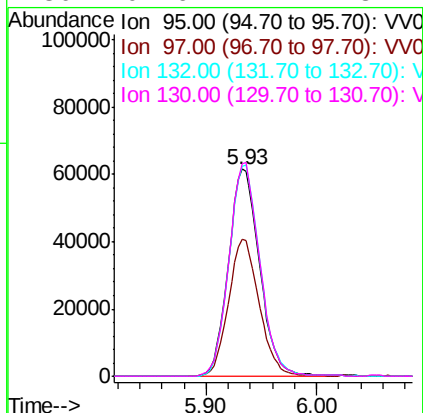
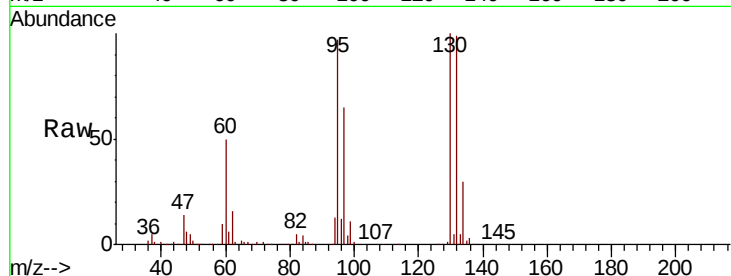




#34
 Trichloroethene
 Concen: 48.365 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

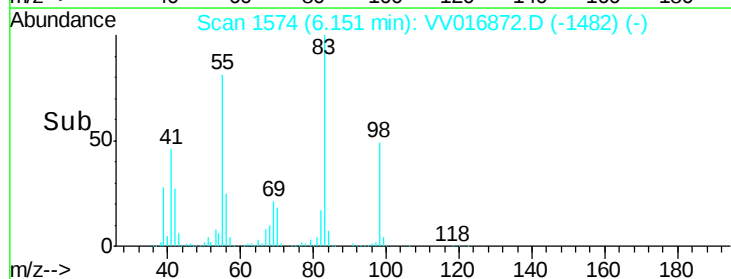
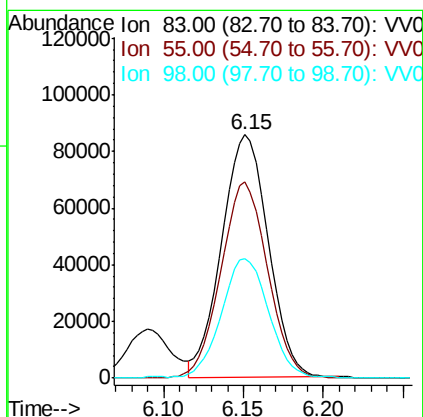
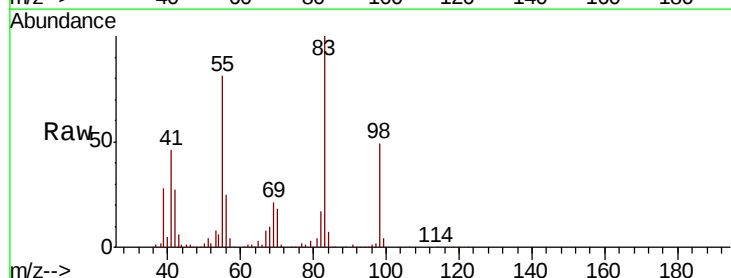
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

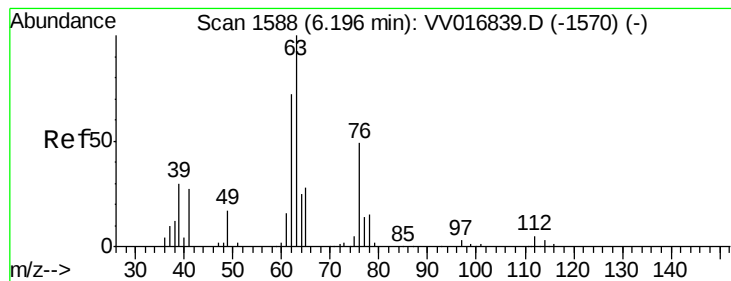
Tot Ion:	95	Resp:	121063
Ion	Ratio	Lower	Upper
95	100		
97	66.3	44.3	82.3
132	101.5	67.9	126.1
130	102.6	72.2	134.2



#35
 Methylcyclohexane
 Concen: 43.530 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

Tgt Ion:	83	Resp:	170935
Ion	Ratio	Lower	Upper
83	100		
55	80.9	64.2	96.2
98	50.4	40.3	60.5





#37

1,2-Dichloropropane

Concen: 48.194 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

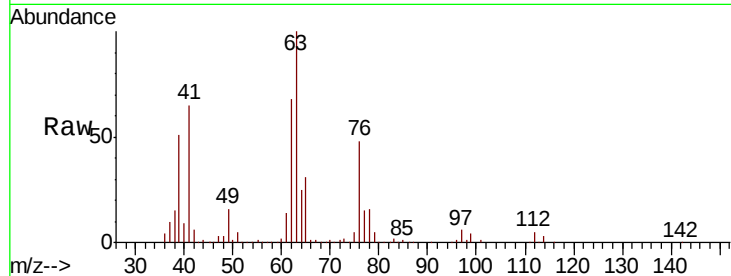
VSTD05086

Tot Ion: 63 Resp: 116975

Ion Ratio Lower Upper

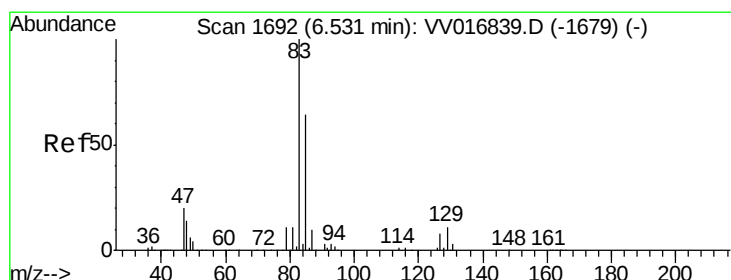
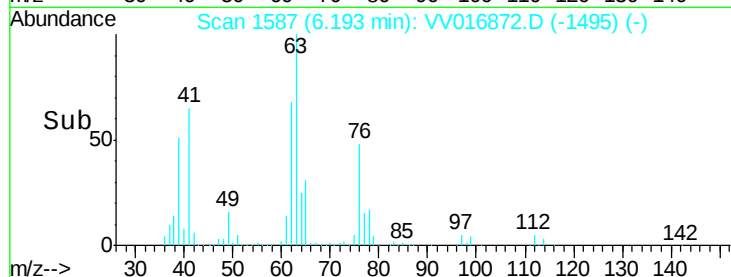
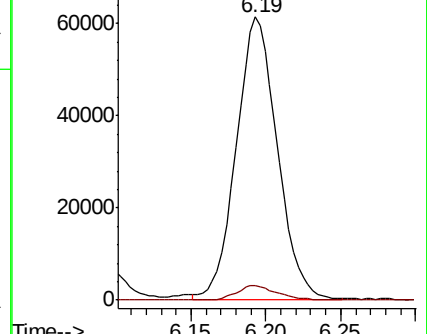
63 100

112 5.1 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV016839.D (-1570) (-)

Ion 112.00 (111.70 to 112.70): VV016839.D (-1570) (-)



#38

Bromodichloromethane

Concen: 50.393 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

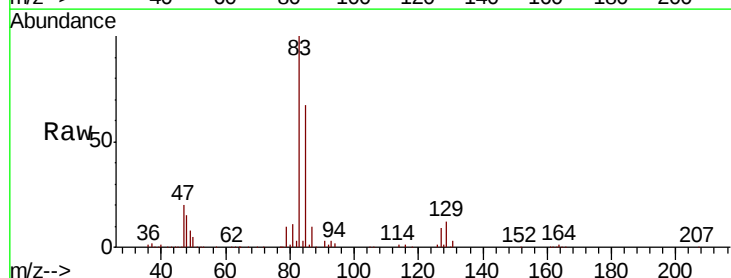
Tgt Ion: 83 Resp: 162821

Ion Ratio Lower Upper

83 100

85 67.2 44.4 82.5

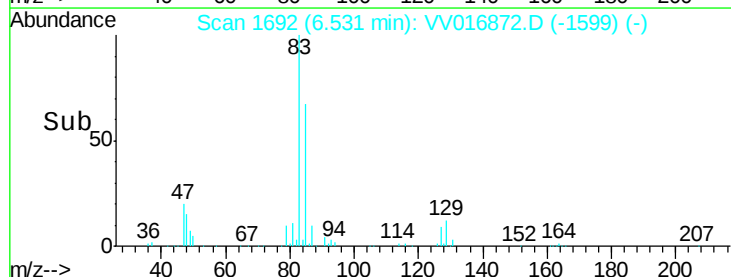
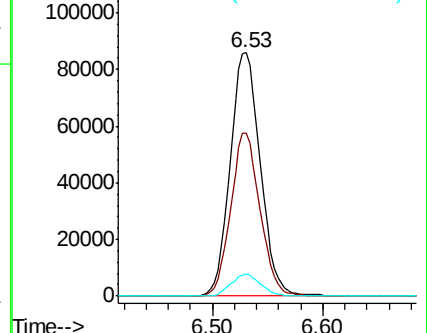
127 8.9 7.4 11.0

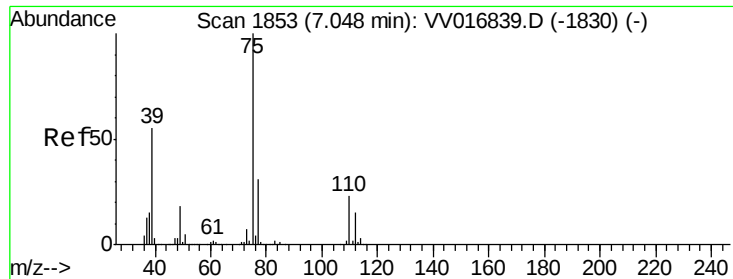


Abundance Ion 83.00 (82.70 to 83.70): VV016839.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV016839.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV016839.D (-1679) (-)

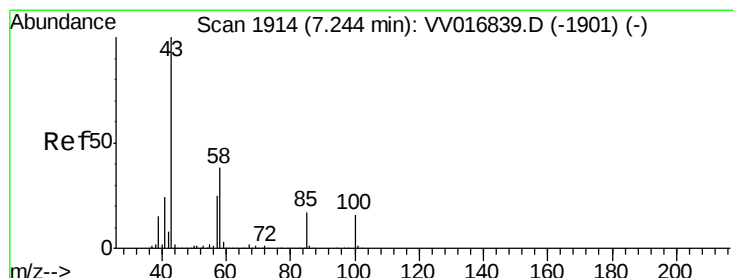
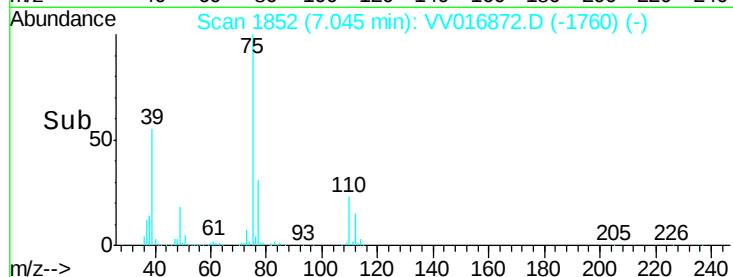
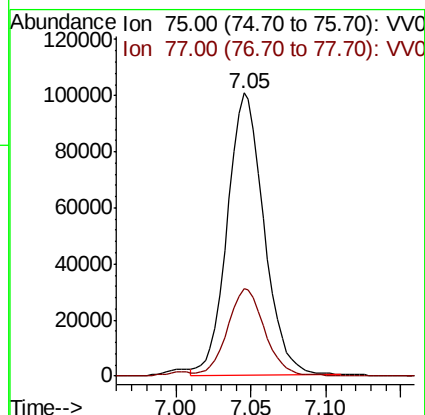
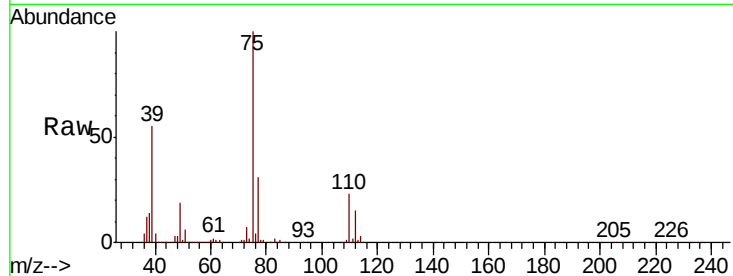




#39
 cis-1,3-Dichloropropene
 Concen: 45.518 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

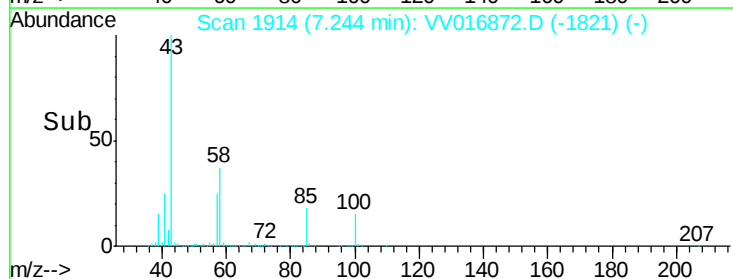
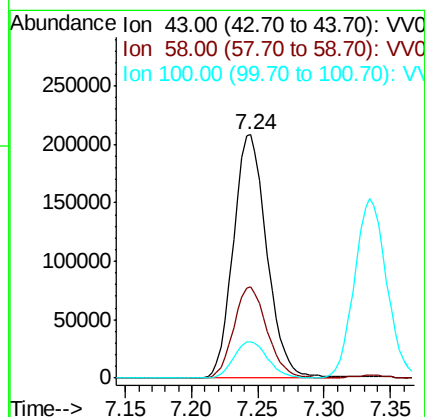
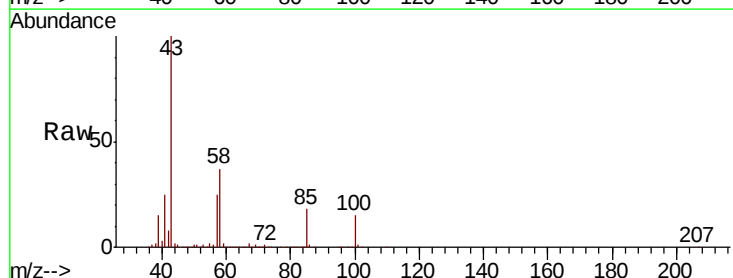
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

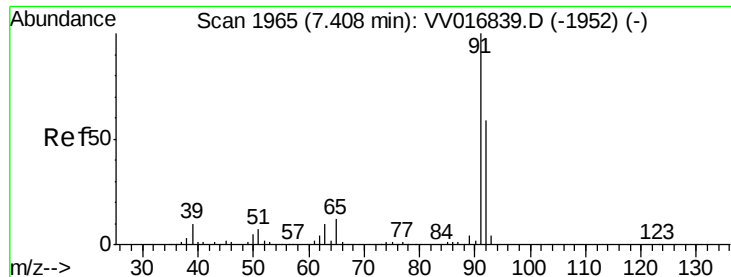
Tot Ion: 75 Resp: 171612
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 106.313 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

Tgt Ion: 43 Resp: 365647
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.2 45.4
 100 15.3 12.3 18.5





#42

Toluene

Concen: 49.003 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

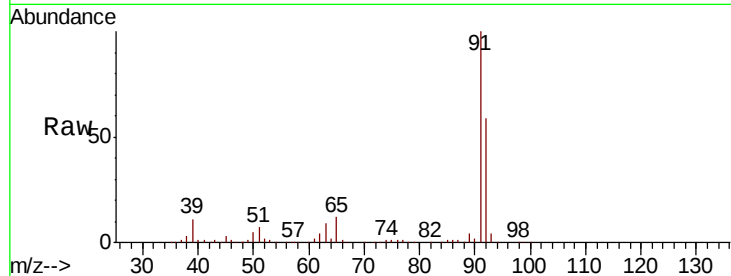
VSTD05086

Tot Ion: 91 Resp: 482132

Ion Ratio Lower Upper

91 100

92 58.7 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

300000

250000

200000

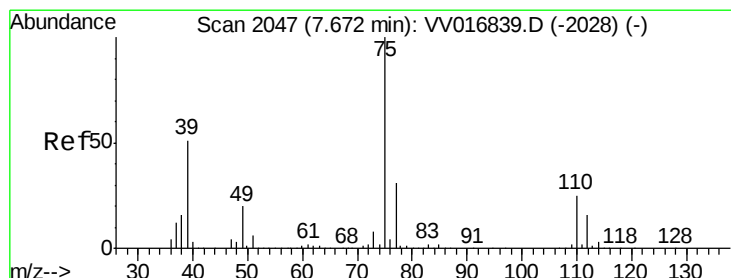
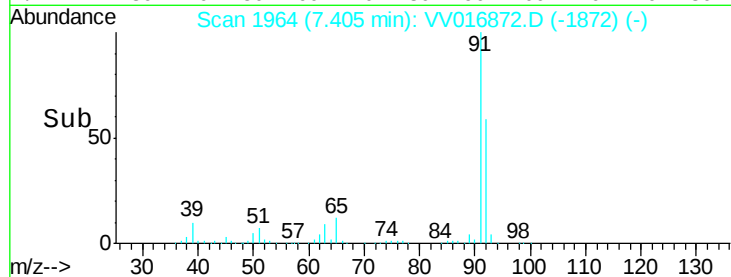
150000

100000

50000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 47.289 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016872.D

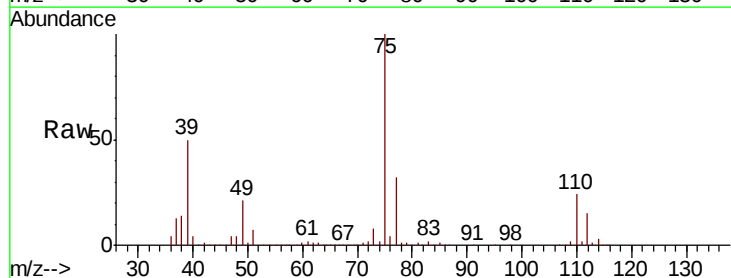
Acq: 12 Jun 2020 11:59

Tgt Ion: 75 Resp: 173334

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

120000

100000

80000

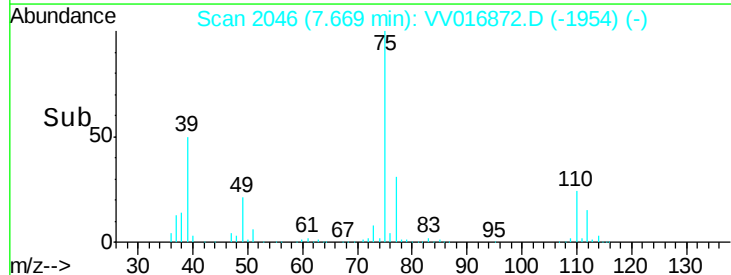
60000

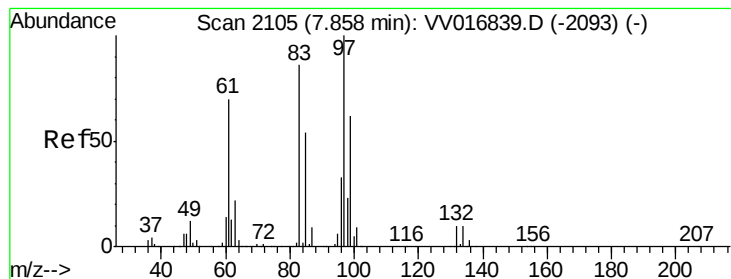
40000

20000

0

Time--> 7.60 7.65 7.70 7.75





#45

1,1,2-Trichloroethane

Concen: 51.382 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

Tot Ion: 97 Resp: 120319

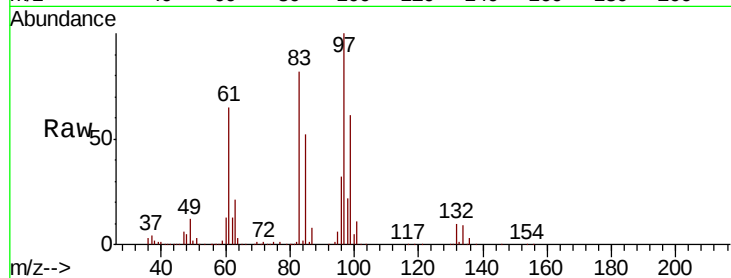
Ion Ratio Lower Upper

97 100

99 61.2 44.3 82.3

83 82.3 60.0 111.4

85 52.2 39.5 73.3

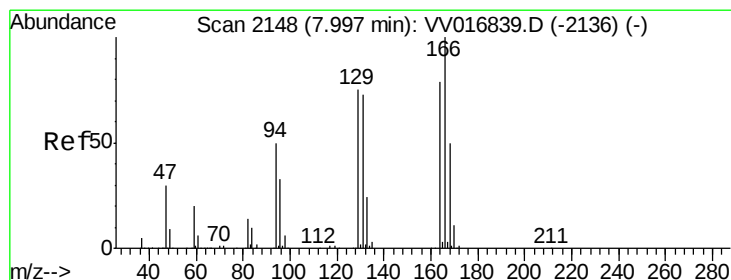
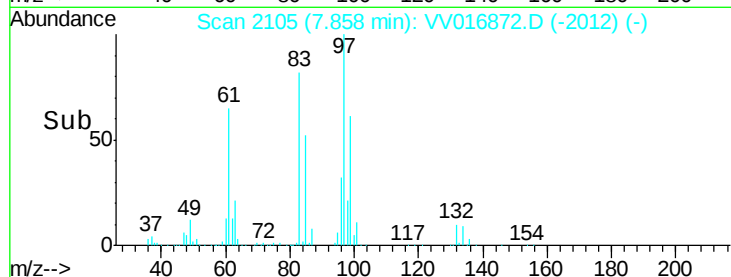
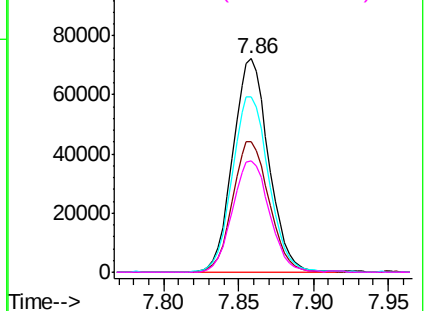


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 46.931 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Tgt Ion: 164 Resp: 92390

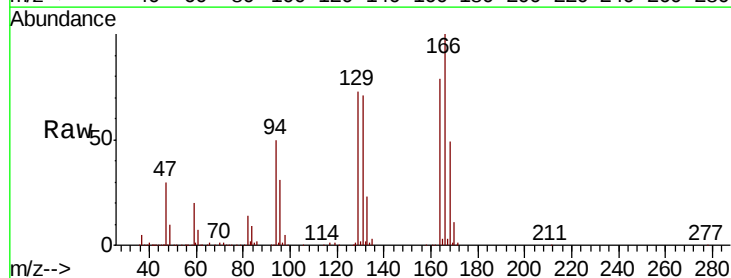
Ion Ratio Lower Upper

164 100

129 93.1 67.0 124.4

131 89.9 64.8 120.3

166 127.2 90.4 167.8

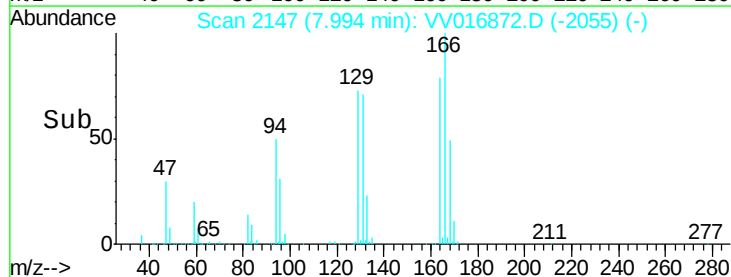
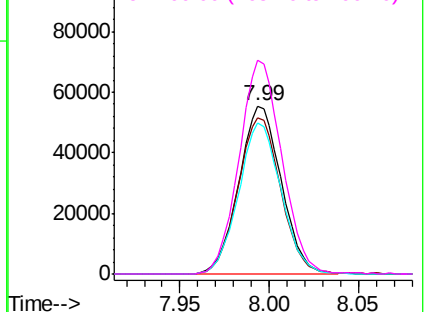


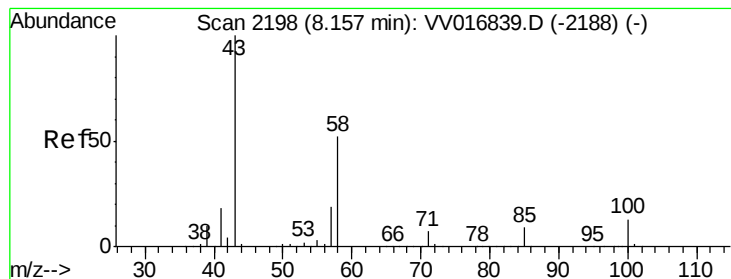
Abundance Ion 164.00 (163.70 to 164.70): V

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





#48

2-Hexanone

Concen: 106.776 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

Tot Ion: 43 Resp: 284744

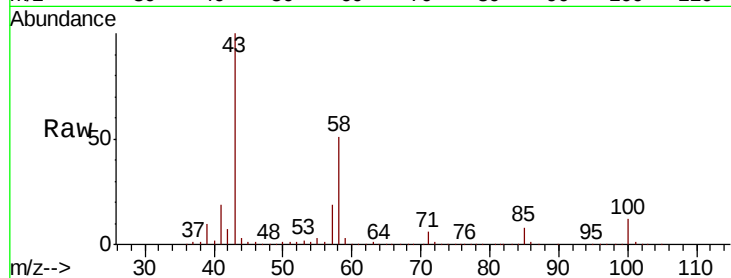
Ion Ratio Lower Upper

43 100

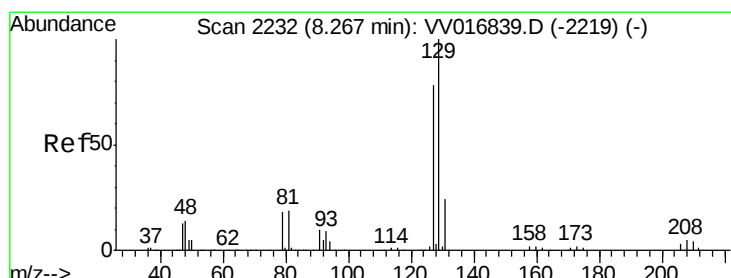
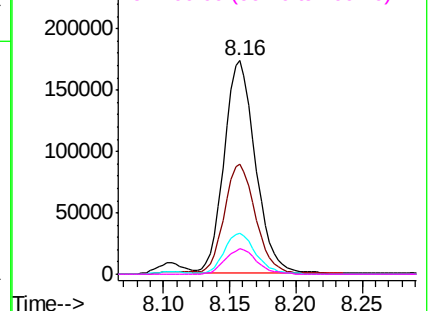
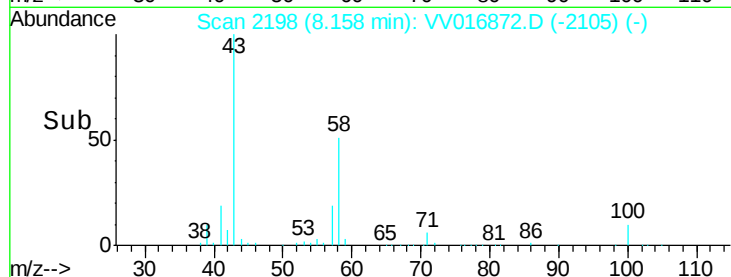
58 51.9 43.1 64.7

57 19.2 15.3 22.9

100 12.2 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VV016872.D (-2105) (-)



#49

Dibromochloromethane

Concen: 52.395 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016872.D

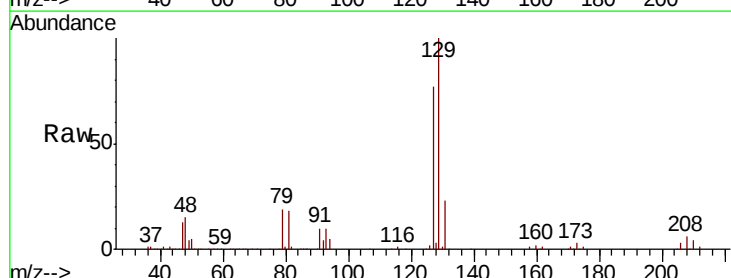
Acq: 12 Jun 2020 11:59

Tgt Ion: 129 Resp: 131183

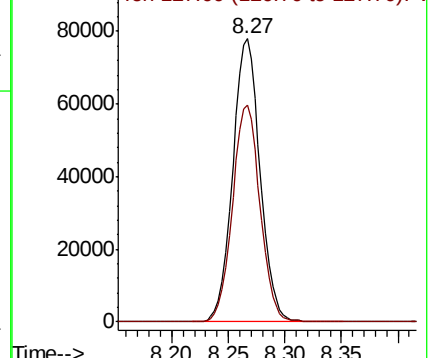
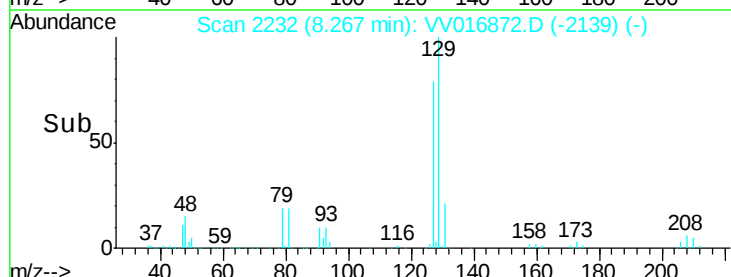
Ion Ratio Lower Upper

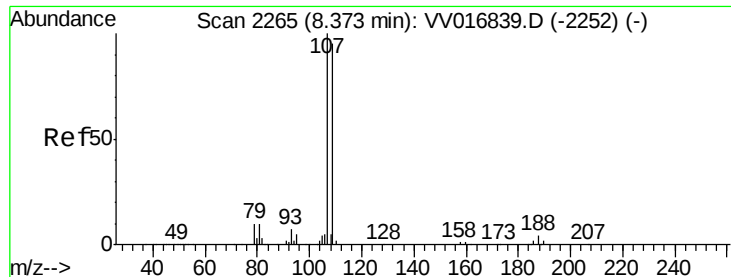
129 100

127 76.7 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV016872.D (-2139) (-)

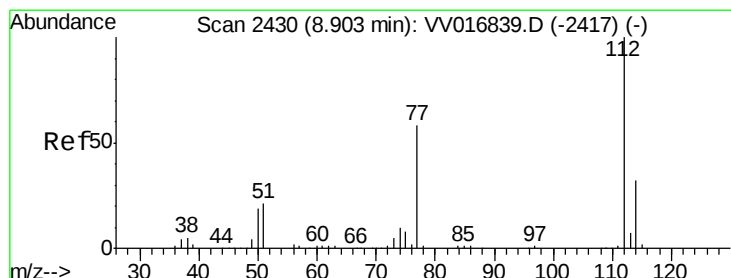
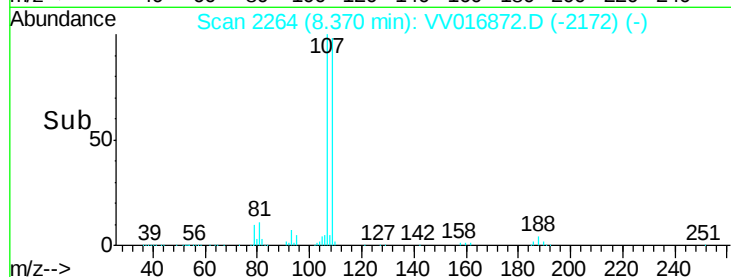
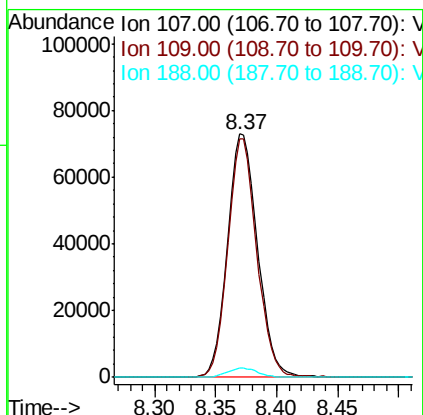
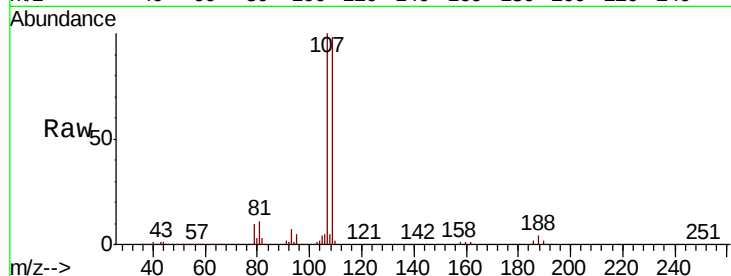




#50
 1,2-Dibromoethane
 Concen: 51.239 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

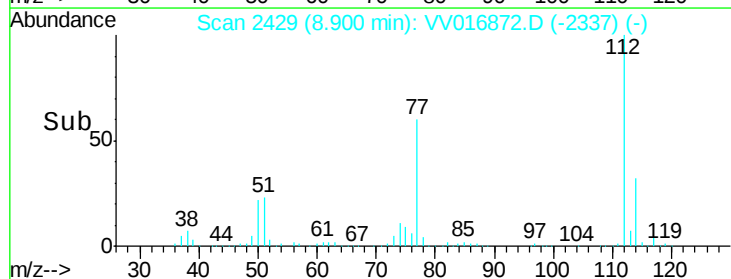
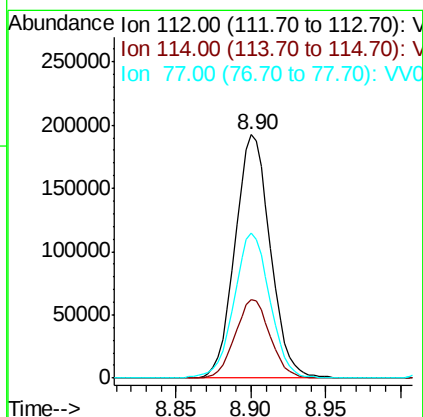
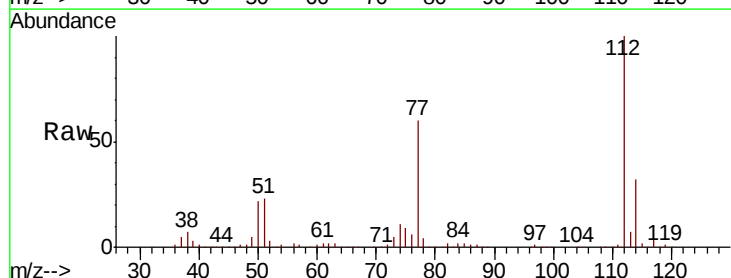
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

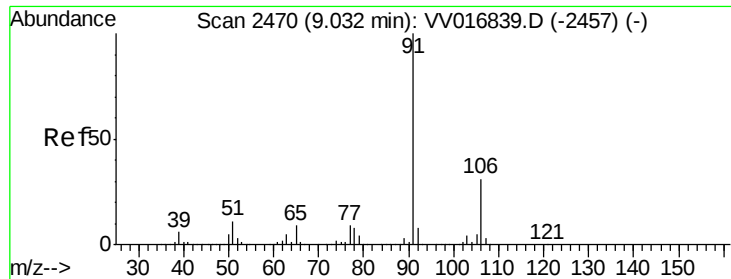
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.9	66.4	123.2
188	3.8	3.1	4.7



#51
 Chlorobenzene
 Concen: 49.163 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.3	41.3
77	59.6	47.9	71.9





#52

Ethylbenzene

Concen: 49.255 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

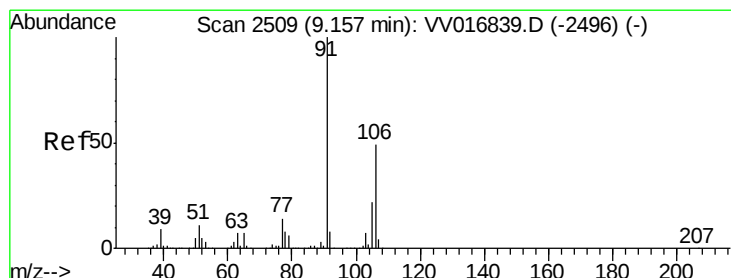
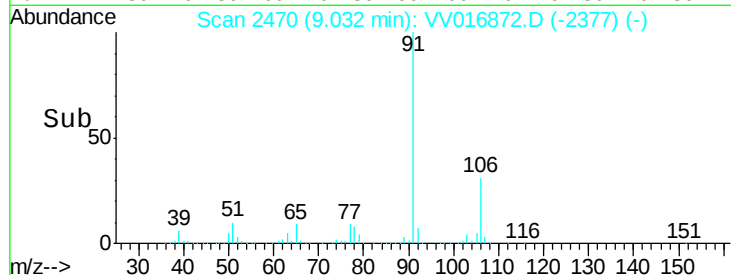
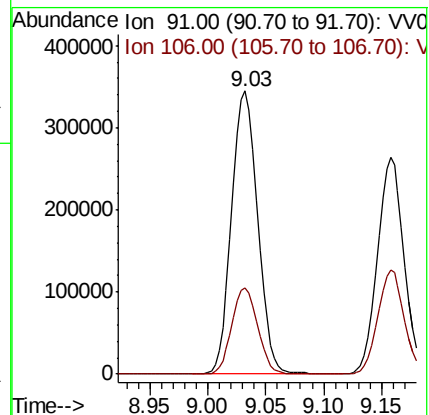
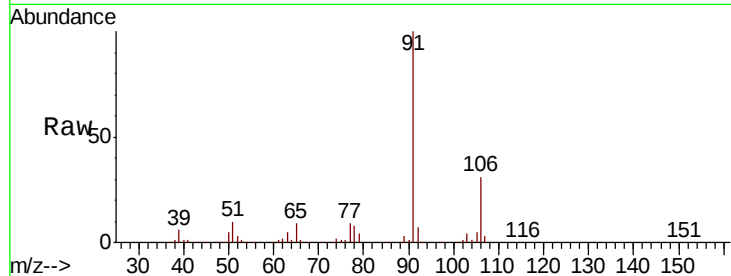
VSTD05086

Tot Ion: 91 Resp: 536773

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



#53

m,p-Xylene

Concen: 49.569 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016872.D

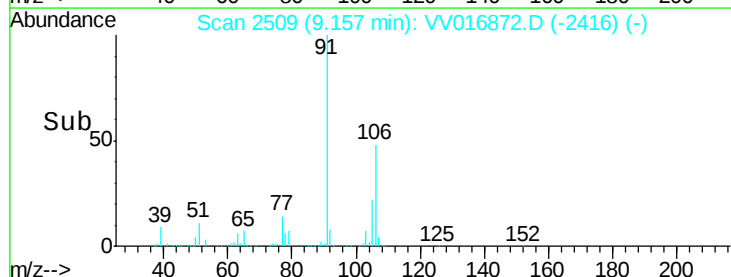
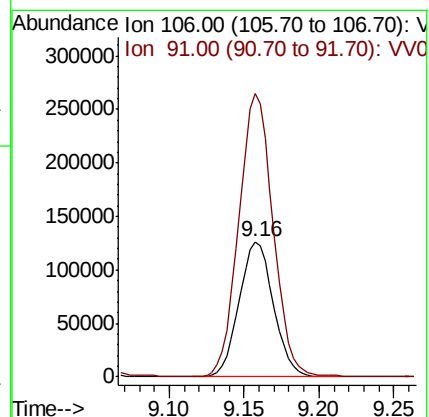
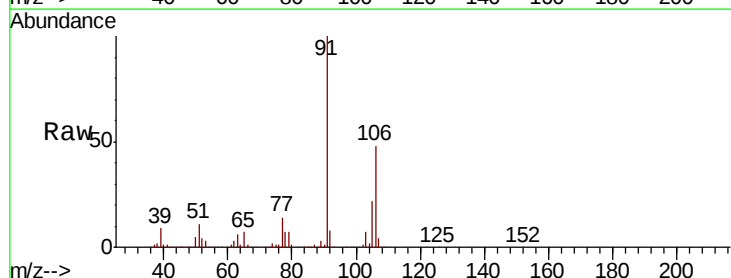
Acq: 12 Jun 2020 11:59

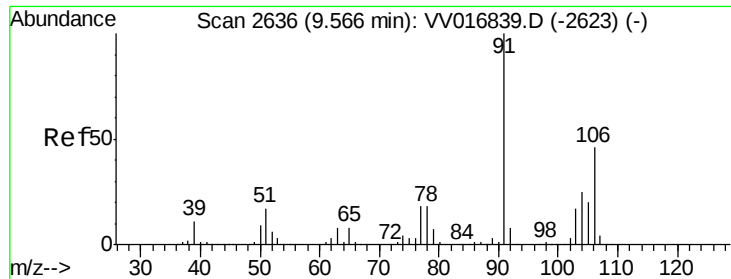
Tgt Ion: 106 Resp: 201133

Ion Ratio Lower Upper

106 100

91 208.9 144.6 268.6





#54

o-xylene

Concen: 51.081 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

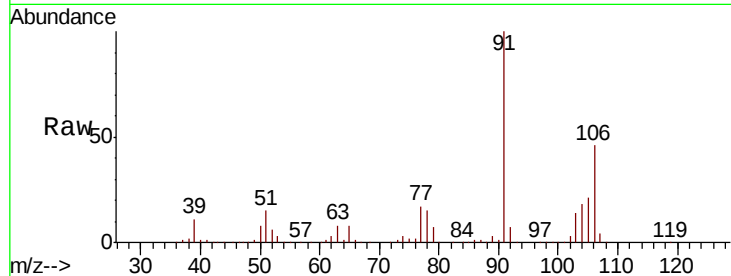
VSTD05086

Tot Ion:106 Resp: 204417

Ion Ratio Lower Upper

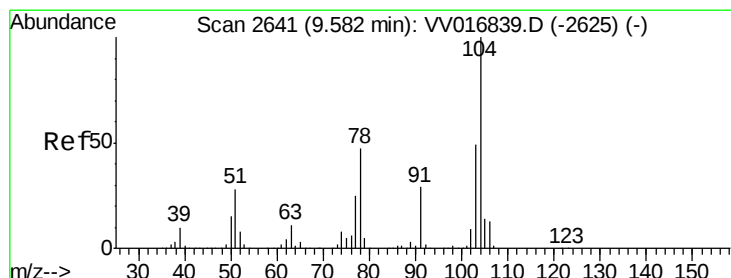
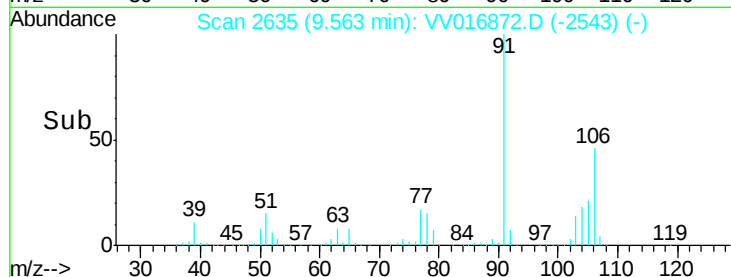
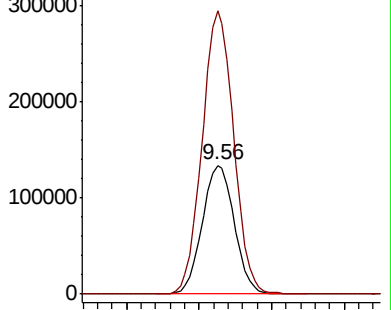
106 100

91 219.4 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.911 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016872.D

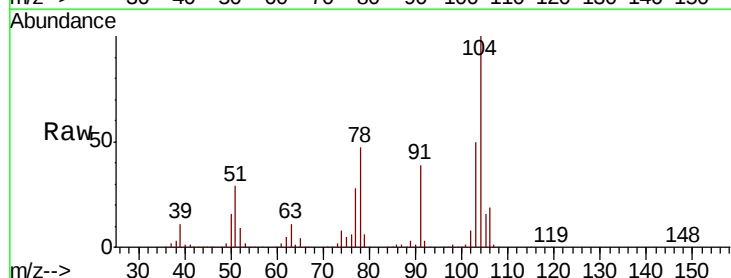
Acq: 12 Jun 2020 11:59

Tgt Ion:104 Resp: 351226

Ion Ratio Lower Upper

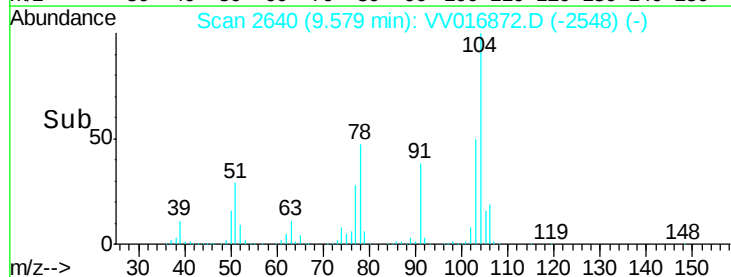
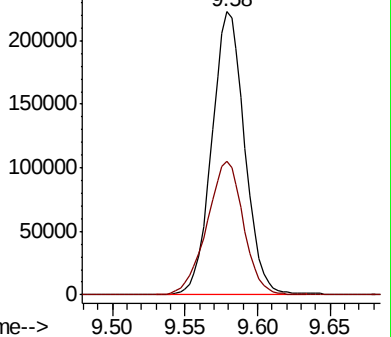
104 100

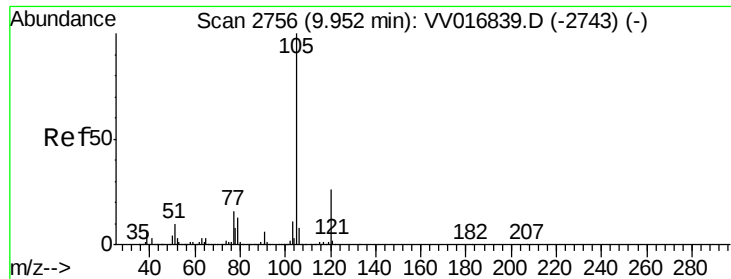
78 47.0 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.625 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

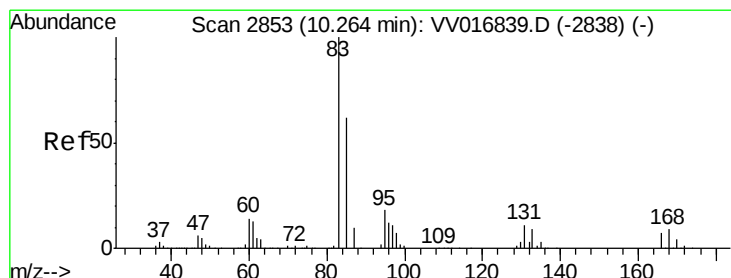
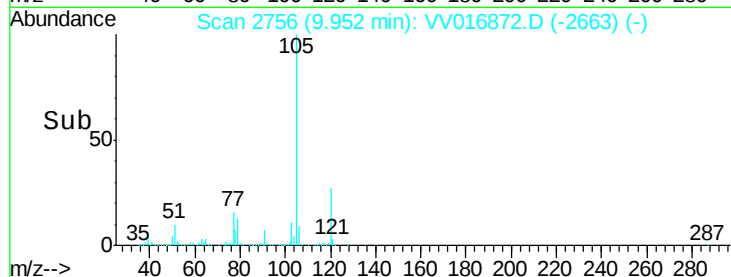
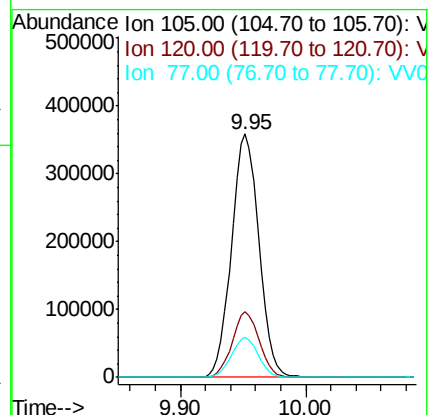
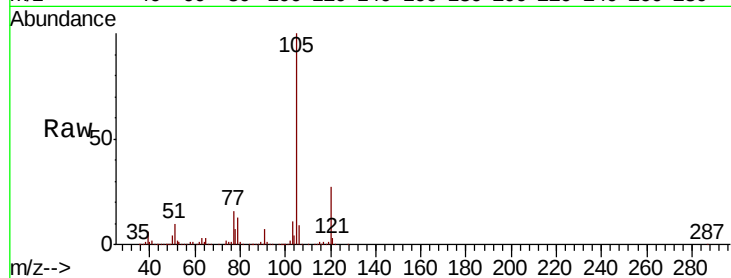
Tot Ion:105 Resp: 544369

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

77 16.3 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 50.397 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

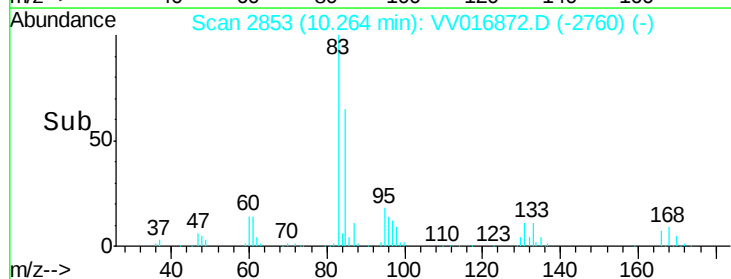
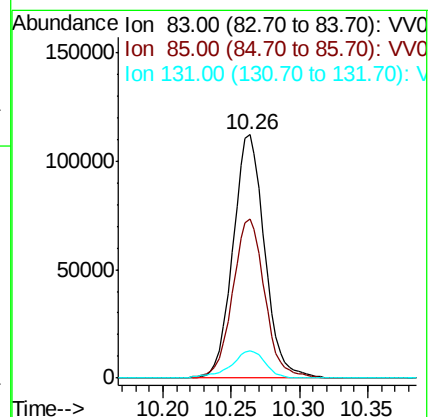
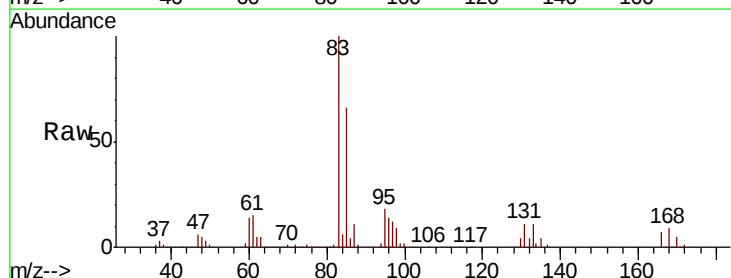
Tgt Ion: 83 Resp: 180942

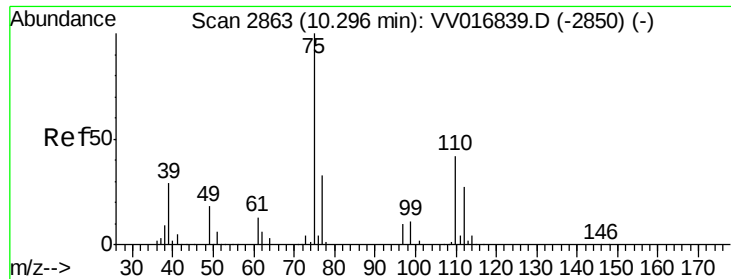
Ion Ratio Lower Upper

83 100

85 65.5 46.8 86.8

131 11.3 7.9 11.9

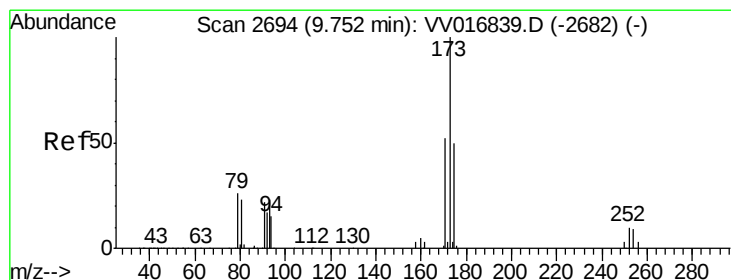
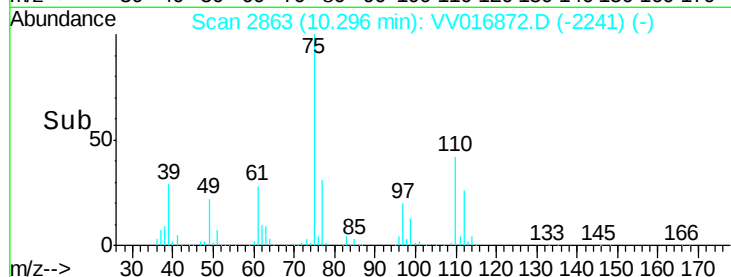
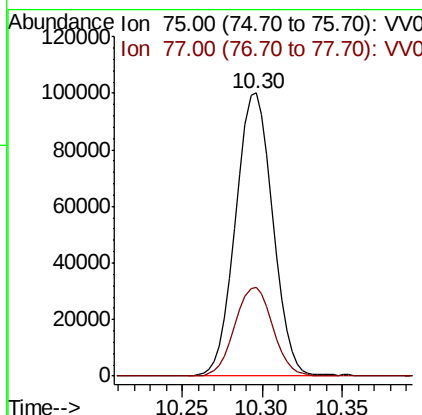
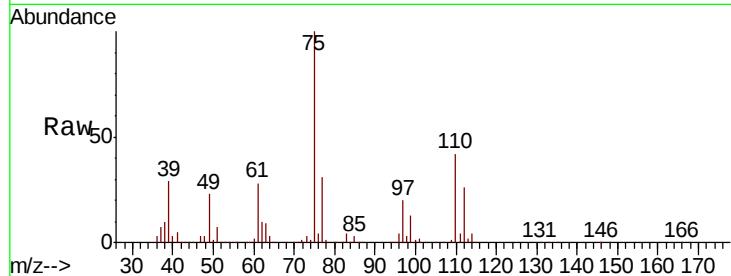




#59
 1,2,3-Trichloropropane
 Concen: 52.626 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

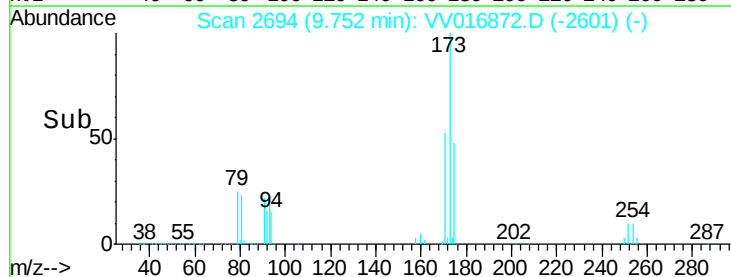
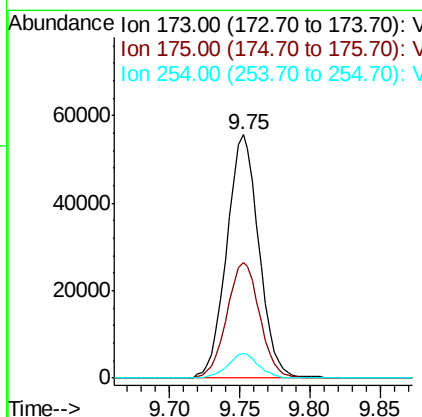
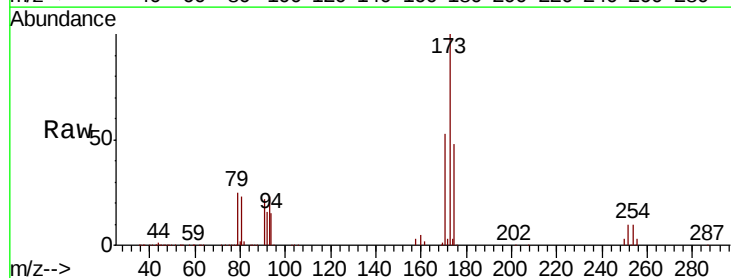
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

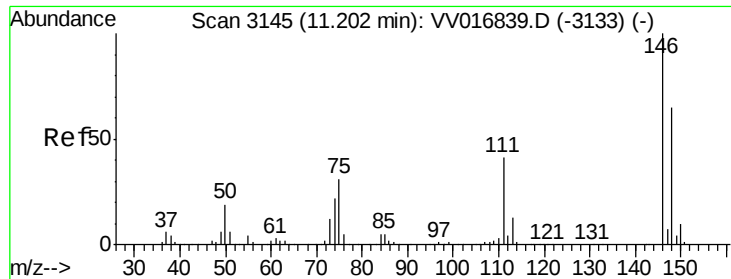
Tot Ion: 75 Resp: 158482
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.1 39.1



#61
 Bromoform
 Concen: 50.847 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

Tgt Ion:173 Resp: 88685
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.0 58.4
 254 9.8 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 49.891 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

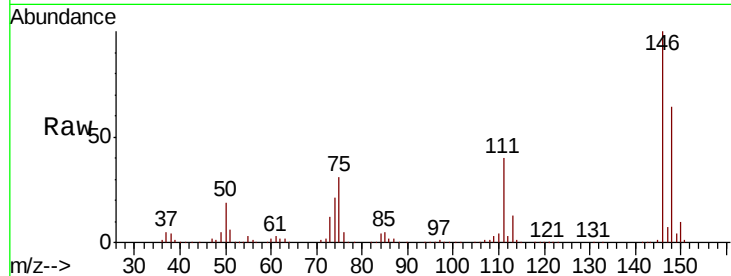
Tot Ion:146 Resp: 267954

Ion Ratio Lower Upper

146 100

111 40.4 28.3 52.7

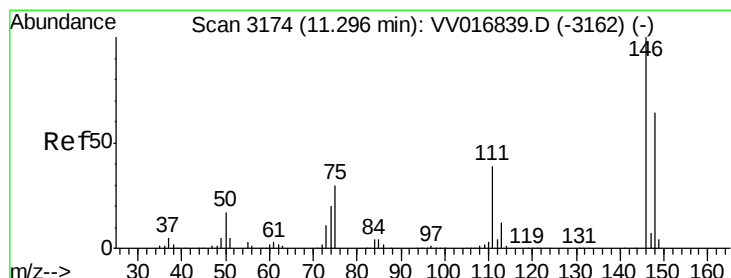
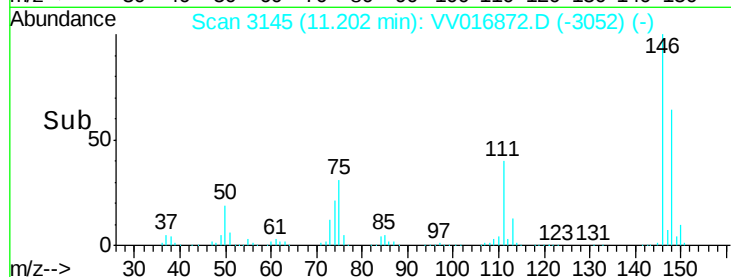
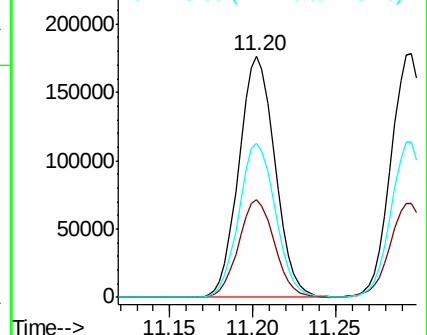
148 64.0 44.2 82.2



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: 49.129 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

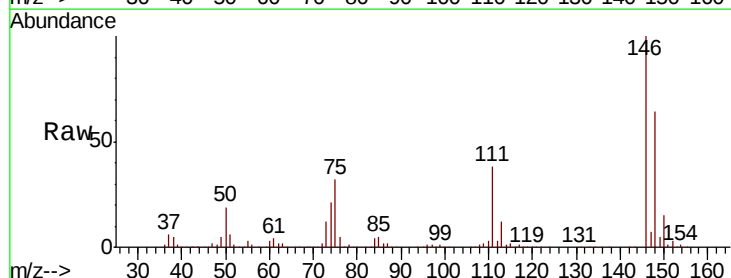
Tgt Ion:146 Resp: 268469

Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.7

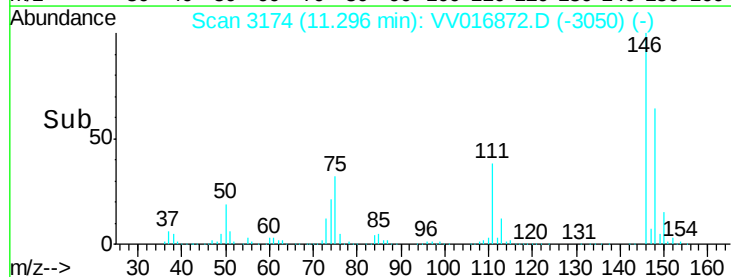
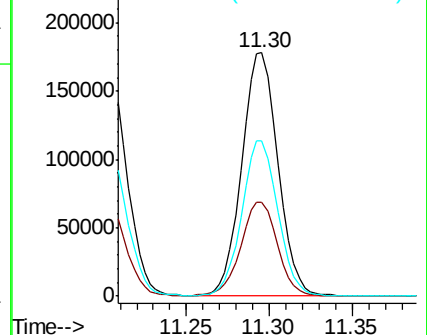
148 63.5 43.5 80.9

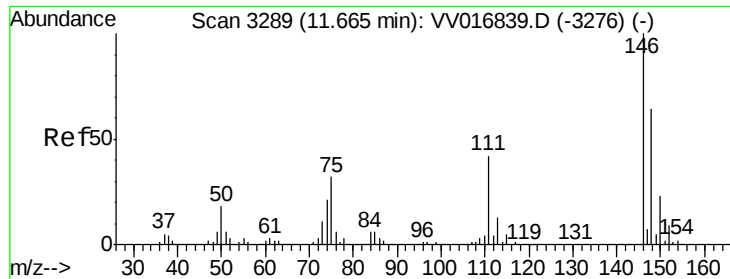


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.470 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

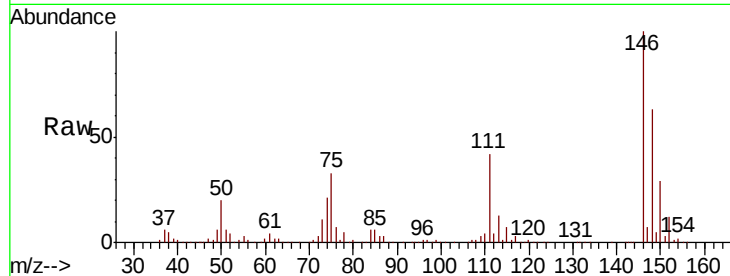
Tot Ion:146 Resp: 277025

Ion Ratio Lower Upper

146 100

111 42.0 33.7 50.5

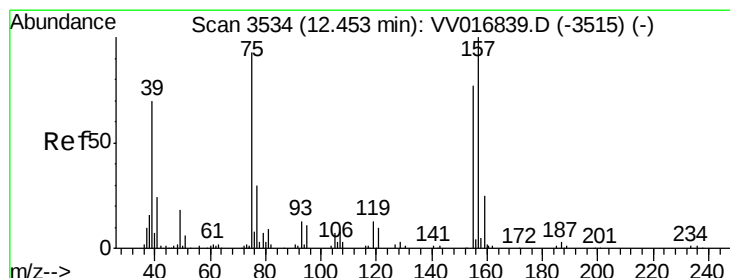
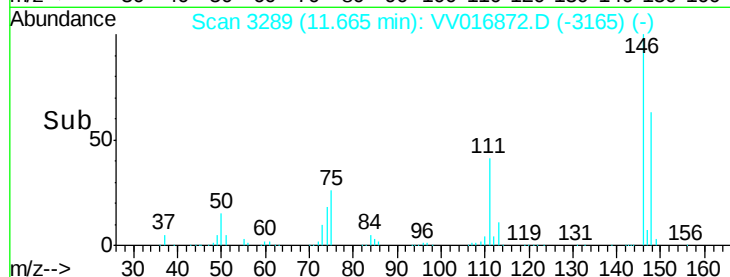
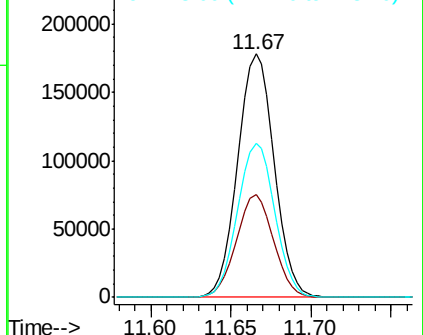
148 63.1 50.7 76.1



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: 50.254 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

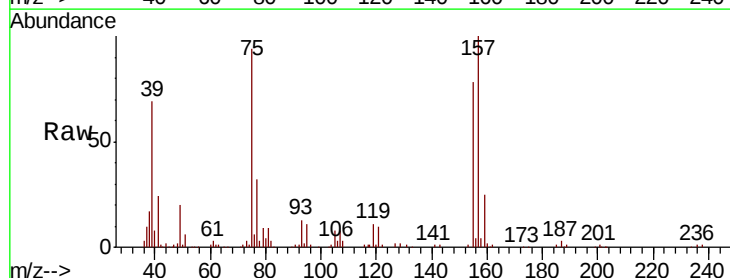
Tgt Ion: 75 Resp: 42530

Ion Ratio Lower Upper

75 100

155 83.4 69.8 104.6

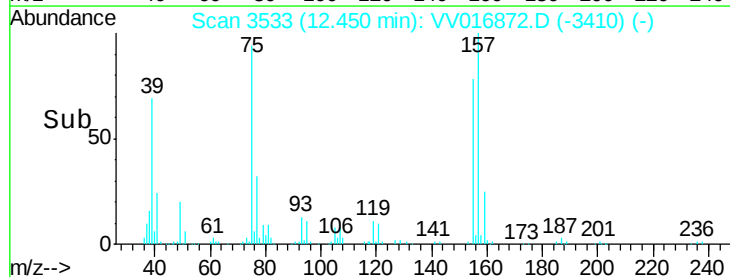
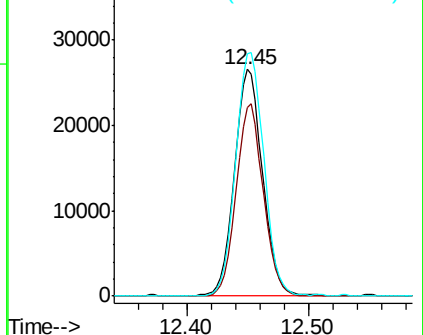
157 106.7 83.4 125.2

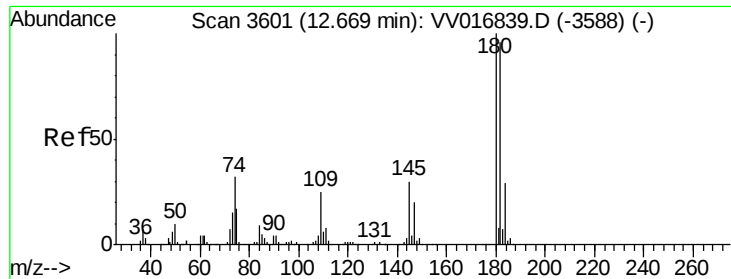


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

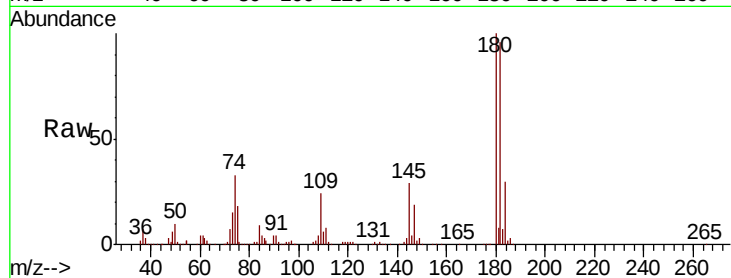




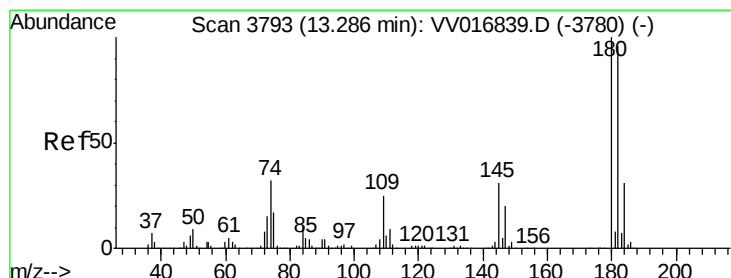
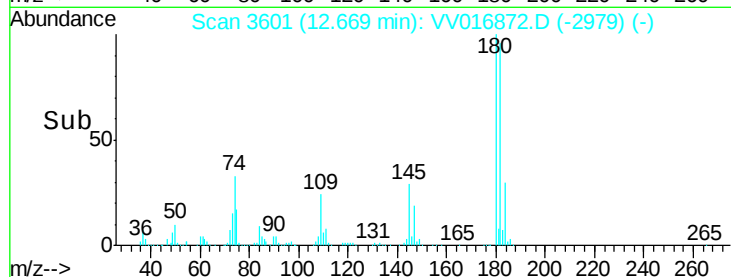
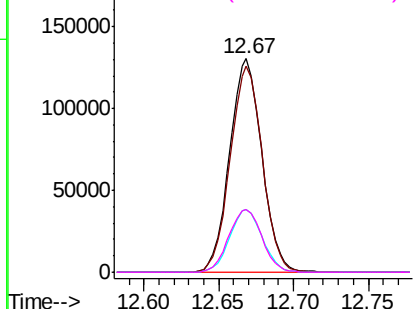
#67
 1,3,5-Trichlorobenzene
 Concen: 48.895 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tot Ion:	180	Resp:	195819
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.0	112.6
184	29.6	24.5	36.7
145	30.1	24.4	36.6

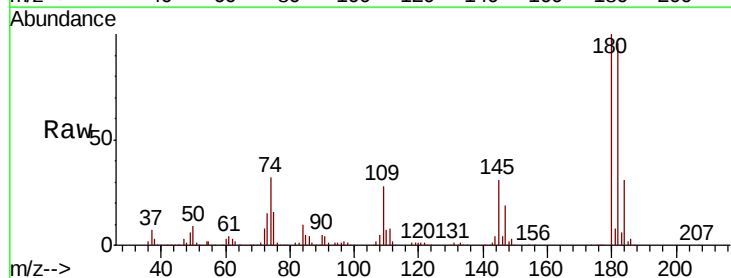


Abundance Ion 180.00 (179.70 to 180.70): V
 200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

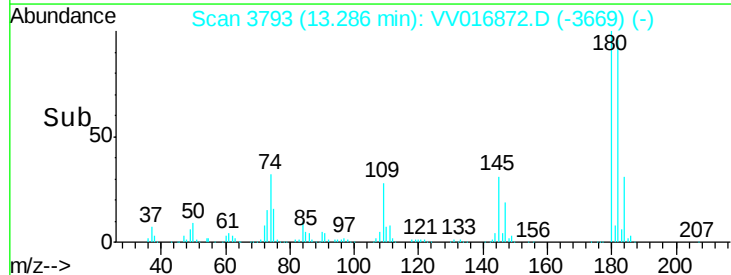
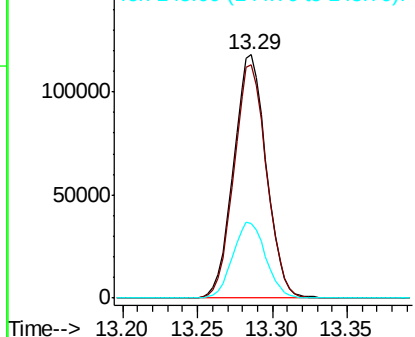


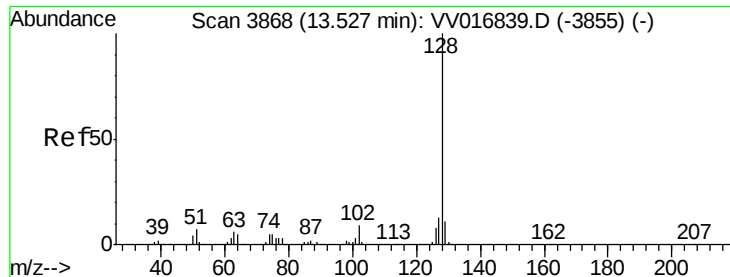
#68
 1,2,4-trichlorobenzene
 Concen: 48.947 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016872.D
 Acq: 12 Jun 2020 11:59

Tgt Ion:	180	Resp:	179803
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.9	115.3
145	31.2	25.2	37.8



Abundance Ion 180.00 (179.70 to 180.70): V
 150000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.349 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

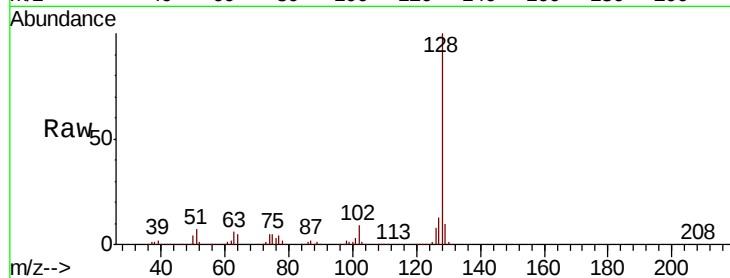
Tot Ion:128 Resp: 563724

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

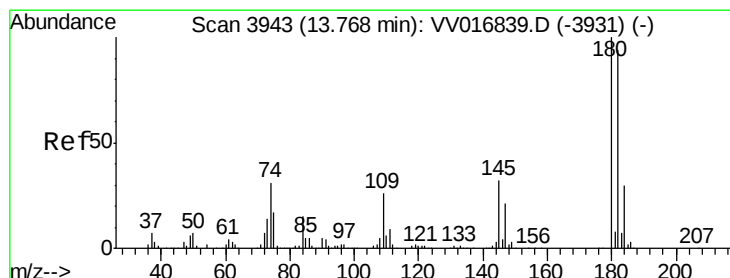
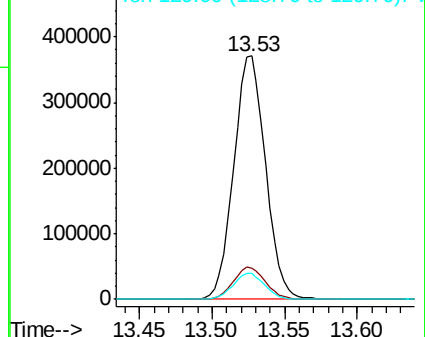
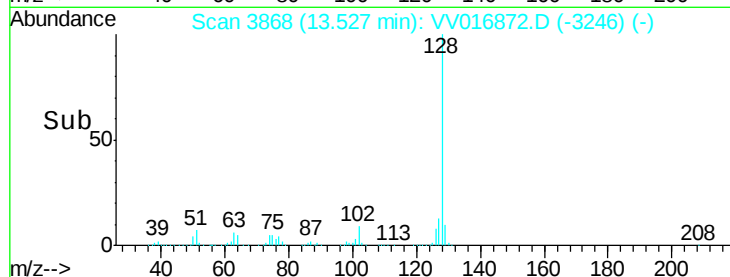
129 10.6 8.7 13.1



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: 50.811 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016872.D

Acq: 12 Jun 2020 11:59

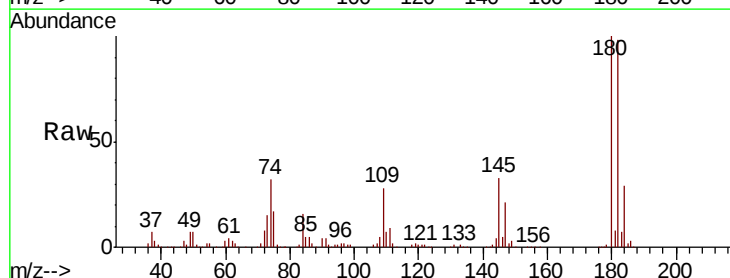
Tgt Ion:180 Resp: 182631

Ion Ratio Lower Upper

180 100

182 97.1 76.5 114.7

145 33.7 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

