

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016900.D
 Acq On : 13 Jun 2020 00:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Jun 13 03:11:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 13 03:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	351992	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	334291	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168442	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	109920	44.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.52%
7) Chloroethane-d5	1.56	69	65968	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.52%
11) 1,1-Dichloroethene-d2	2.12	63	196777	47.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.36%
21) 2-Butanone-d5	3.90	46	180358	98.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.11%
24) Chloroform-d	4.38	84	248622	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
26) 1,2-Dichloroethane-d4	5.05	65	171125	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.62%
32) Benzene-d6	5.07	84	450546	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.50%
36) 1,2-Dichloropropane-d6	6.09	67	141312	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.08%
41) Toluene-d8	7.34	98	420130	47.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.02%
43) trans-1,3-Dichloropropene-	7.64	79	73449	46.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.90%
47) 2-Hexanone-d5	8.11	63	118392	90.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.41%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	183629	46.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	170089	47.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	138067	49.475	ug/L 99
3) Chloromethane	1.25	50	118484	46.427	ug/L 98
5) Vinyl chloride	1.32	62	120439	47.991	ug/L 99
6) Bromomethane	1.52	94	48650	46.545	ug/L 98
8) Chloroethane	1.58	64	65974	53.219	ug/L 97
9) Trichlorofluoromethane	1.76	101	189526	50.465	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	89933	48.056	ug/L 98
12) 1,1-Dichloroethene	2.13	96	84697	48.481	ug/L 96
13) Acetone	2.18	43	118273	97.649	ug/L 96
14) Carbon disulfide	2.31	76	283246	44.780	ug/L 99
15) Methyl Acetate	2.44	43	132362	49.030	ug/L 98
16) Methylene chloride	2.52	84	127016	49.546	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	113057	47.463	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	398057	50.433	ug/L 99
19) 1,1-Dichloroethane	3.21	63	222061	49.526	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	128250	49.387	ug/L 95
22) 2-Butanone	3.98	43	182607	97.767	ug/L 100

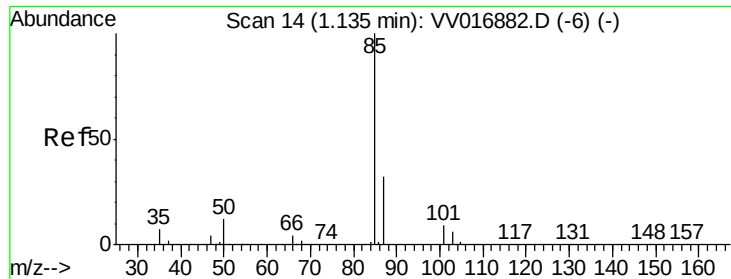
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
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 Quant Title : VOC Analysis
 QLast Update : Sat Jun 13 03:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	66802	48.833	ug/L	99
25) Chloroform	4.40	83	236808	51.392	ug/L	99
27) 1,2-Dichloroethane	5.15	62	198026	51.266	ug/L	97
29) Cyclohexane	4.70	56	191094	46.001	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	217850	51.100	ug/L	99
31) Carbon tetrachloride	4.86	117	188274	51.050	ug/L	99
33) Benzene	5.12	78	473402	47.863	ug/L	100
34) Trichloroethene	5.94	95	131845	49.703	ug/L	98
35) Methylcyclohexane	6.15	83	189136	45.450	ug/L	97
37) 1,2-Dichloropropane	6.20	63	125662	48.855	ug/L	99
38) Bromodichloromethane	6.53	83	171609	50.119	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	189958	47.544	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	368514	101.107	ug/L	99
42) Toluene	7.41	91	511048	49.014	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	191842	49.389	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	124130	50.021	ug/L	96
46) Tetrachloroethene	8.00	164	100764	48.299	ug/L	97
48) 2-Hexanone	8.16	43	289357	102.389	ug/L	98
49) Dibromochloromethane	8.27	129	137613	51.864	ug/L	97
50) 1,2-Dibromoethane	8.37	107	130492	50.215	ug/L	99
51) Chlorobenzene	8.90	112	333246	48.988	ug/L	99
52) Ethylbenzene	9.03	91	572319	49.556	ug/L	99
53) m,p-Xylene	9.16	106	215260	50.060	ug/L	100
54) o-xylene	9.56	106	216188	50.977	ug/L	98
55) Styrene	9.58	104	363426	50.686	ug/L	100
56) Isopropylbenzene	9.95	105	575985	50.546	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	179373	47.144	ug/L	95
59) 1,2,3-Trichloropropane	10.30	75	155401	48.694	ug/L	100
61) Bromoform	9.75	173	90331	52.137	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	264384	49.555	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	264652	48.754	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	271938	50.862	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	42057	50.027	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	190222	47.814	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	179692	49.243	ug/L	100
69) Naphthalene	13.52	128	555646	52.936	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	183826	51.485	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.475 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

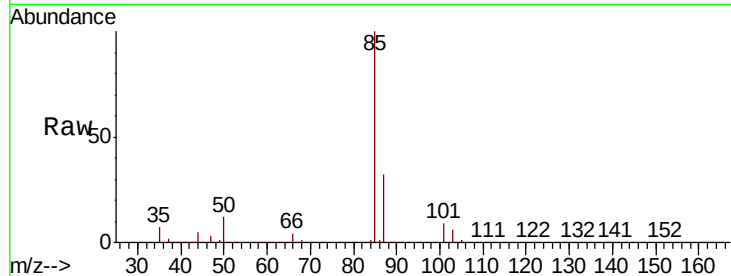
VSTD05088

Tot Ion: 85 Resp: 138067

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016900.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016900.D (-1) (-)

1.14

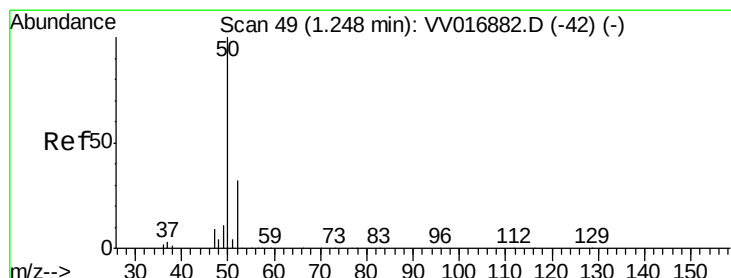
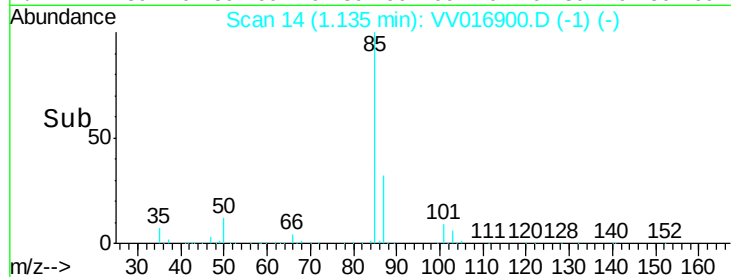
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.427 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016900.D

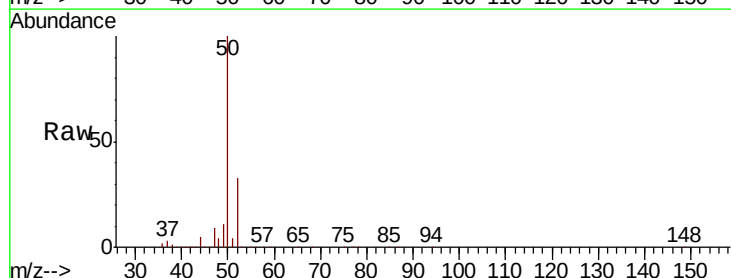
Acq: 13 Jun 2020 00:08

Tgt Ion: 50 Resp: 118484

Ion Ratio Lower Upper

50 100

52 33.1 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016900.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV016900.D (-1) (-)

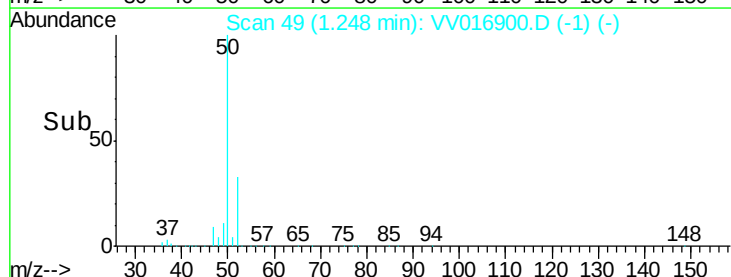
1.25

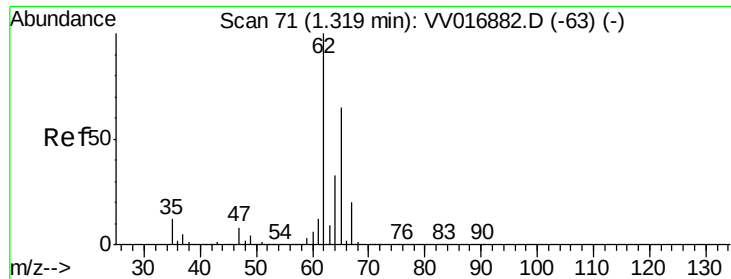
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.991 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

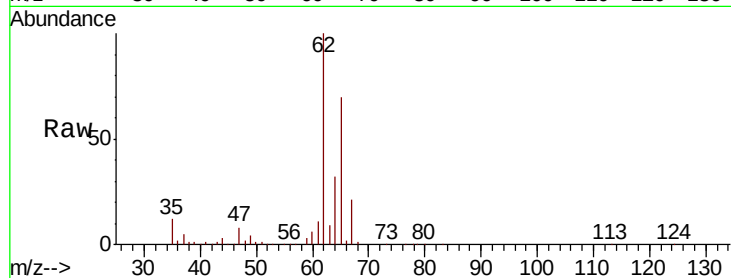
VSTD05088

Tot Ion: 62 Resp: 120439

Ion Ratio Lower Upper

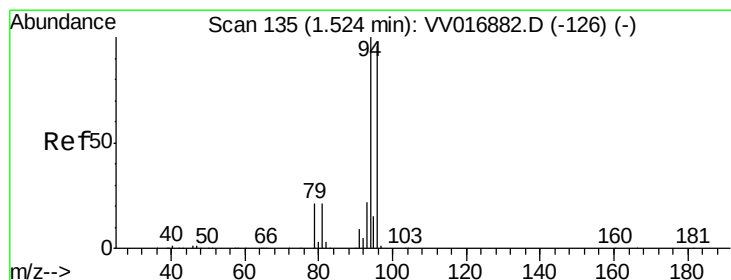
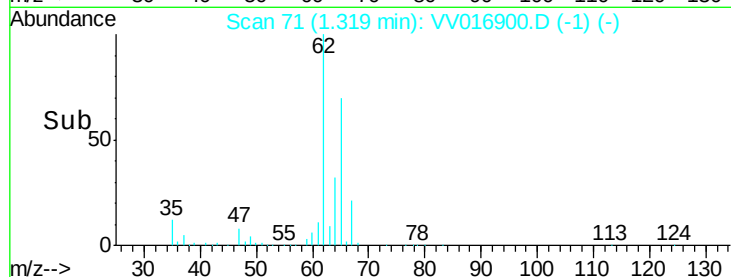
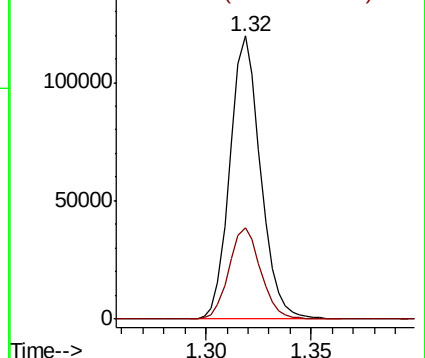
62 100

64 32.4 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 46.545 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV016900.D

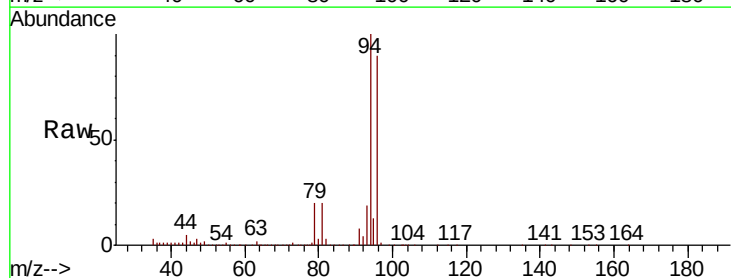
Acq: 13 Jun 2020 00:08

Tgt Ion: 94 Resp: 48650

Ion Ratio Lower Upper

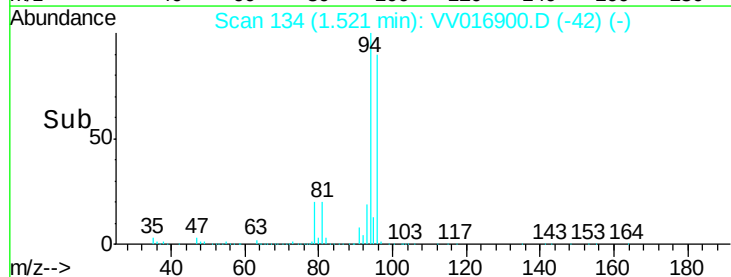
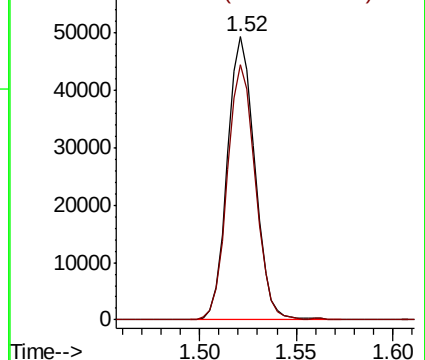
94 100

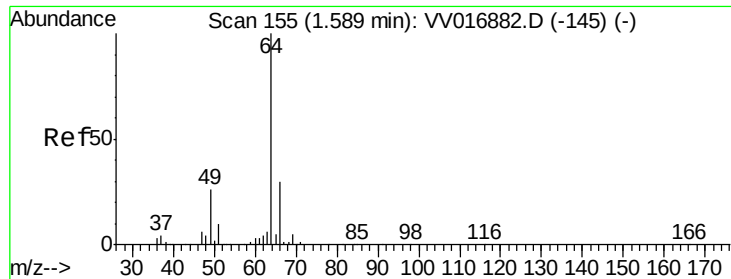
96 90.3 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

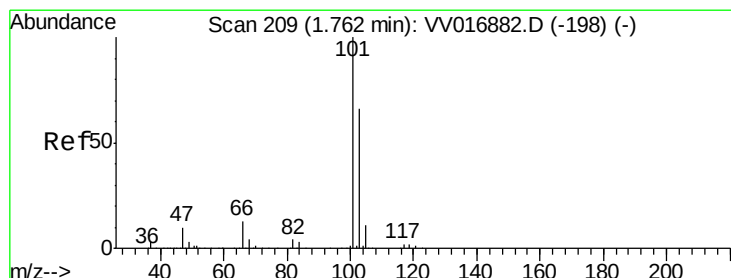
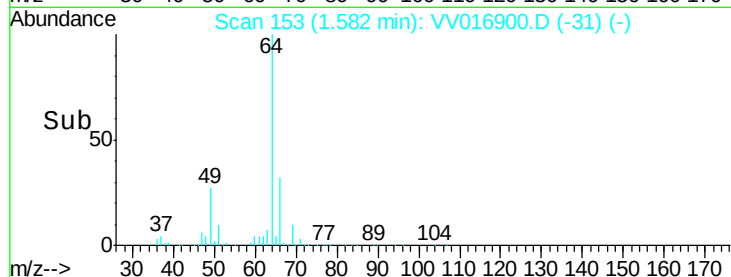
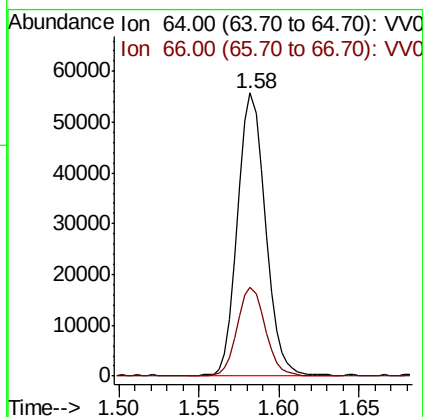
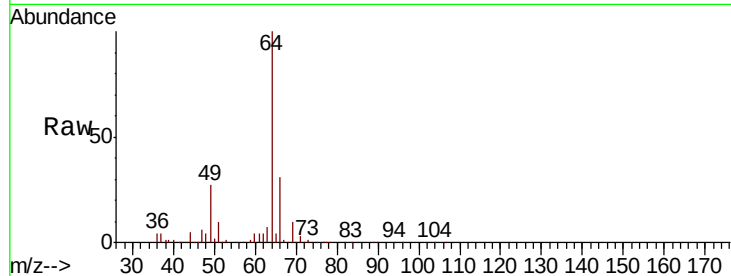




#8
Chloroethane
Concen: 53.219 ug/L
RT: 1.58 min Scan# 153
Delta R.T. -0.01 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

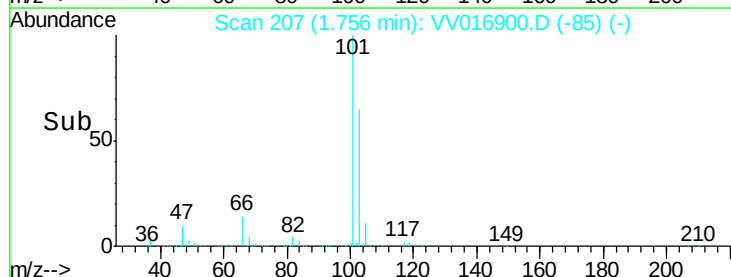
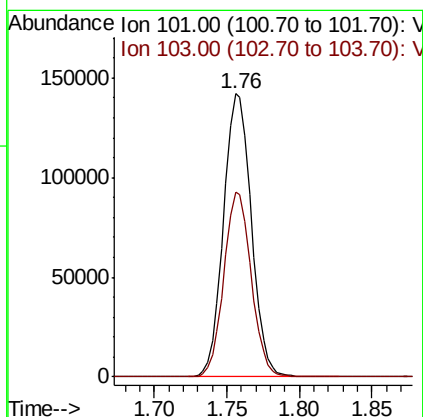
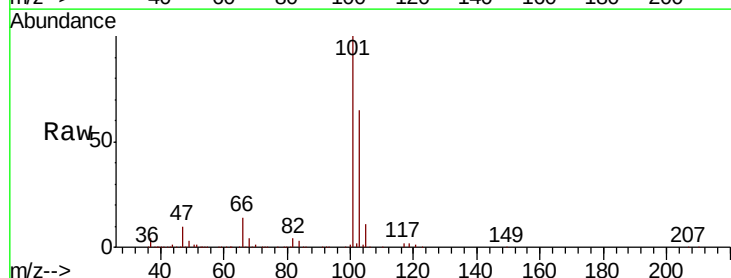
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

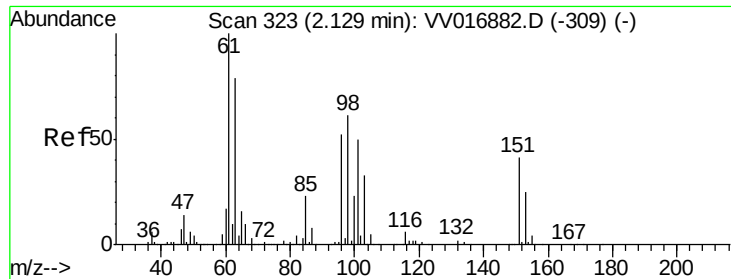
Tot Ion: 64 Resp: 65974
Ion Ratio Lower Upper
64 100
66 31.5 23.2 43.0



#9
Trichlorofluoromethane
Concen: 50.465 ug/L
RT: 1.76 min Scan# 207
Delta R.T. -0.01 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

Tgt Ion: 101 Resp: 189526
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9





#10

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

Concen: 48.056 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

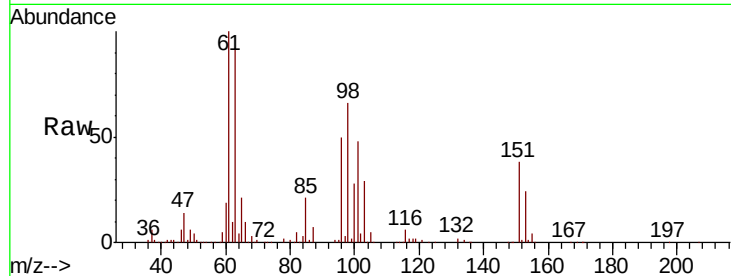
Tot Ion:101 Resp: 89933

Ion Ratio Lower Upper

101 100

85 45.3 35.5 53.3

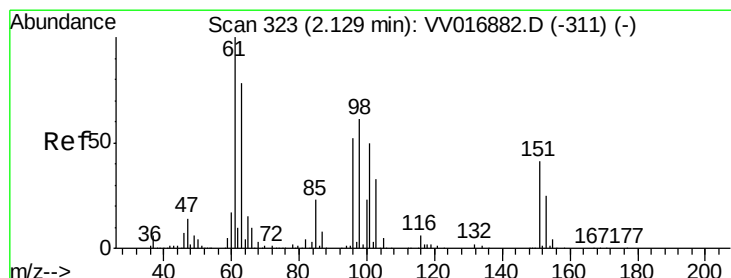
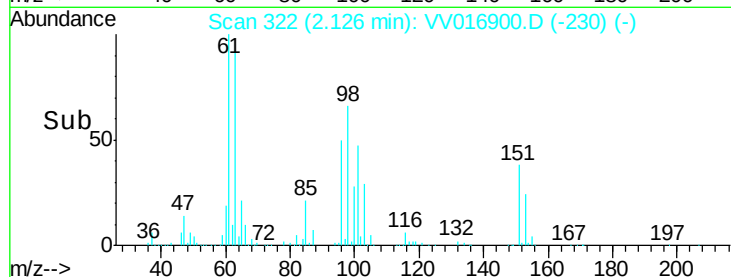
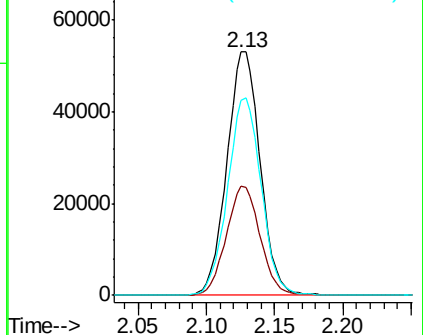
151 81.8 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.481 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

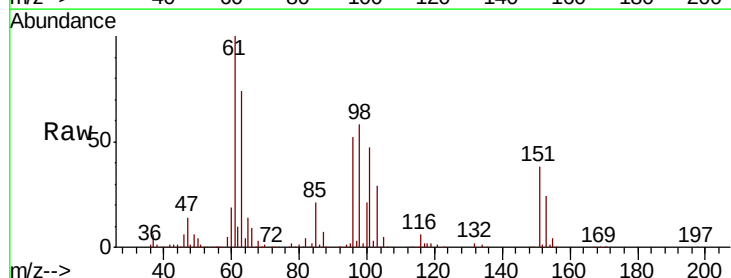
Tgt Ion: 96 Resp: 84697

Ion Ratio Lower Upper

96 100

61 191.6 130.4 242.2

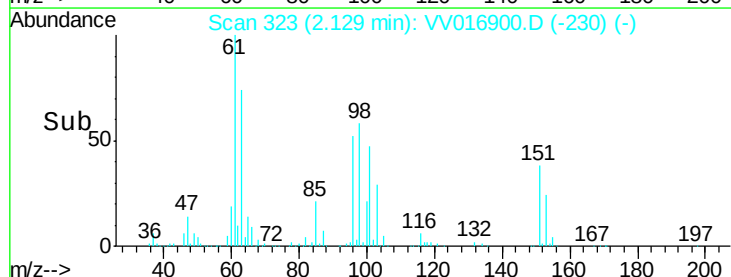
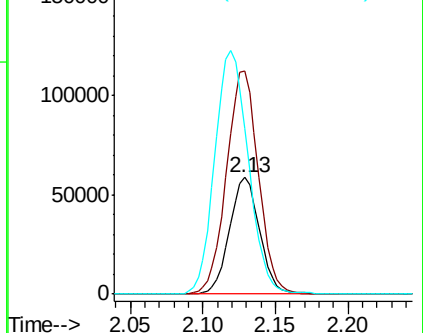
63 142.3 103.3 191.9

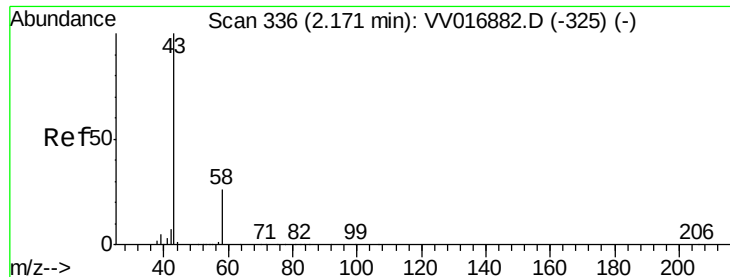


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 97.649 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.01 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

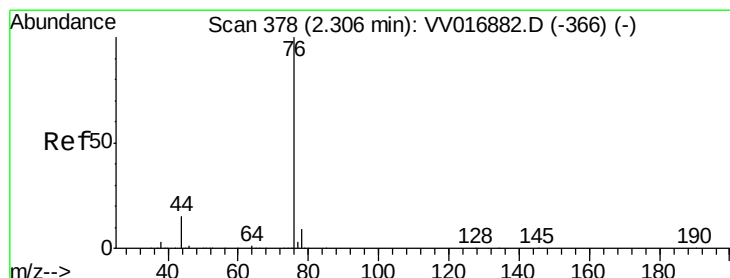
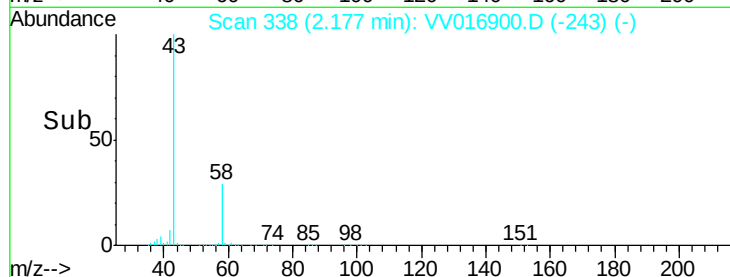
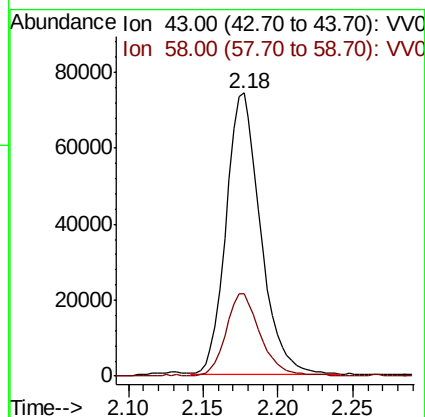
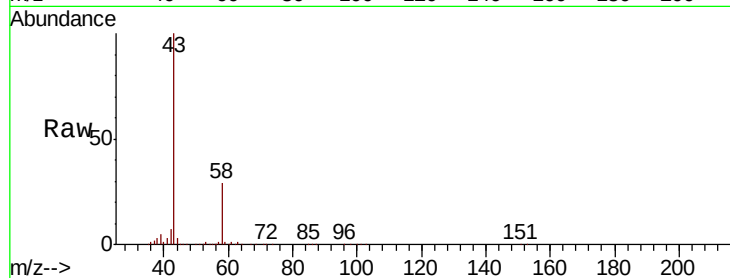
VSTD05088

Tot Ion: 43 Resp: 118273

Ion Ratio Lower Upper

43 100

58 29.7 0.0 55.2



#14

Carbon disulfide

Concen: 44.780 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016900.D

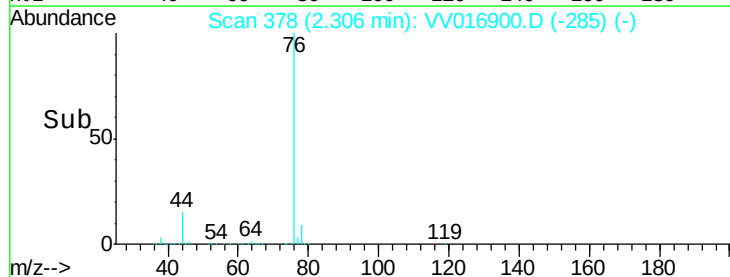
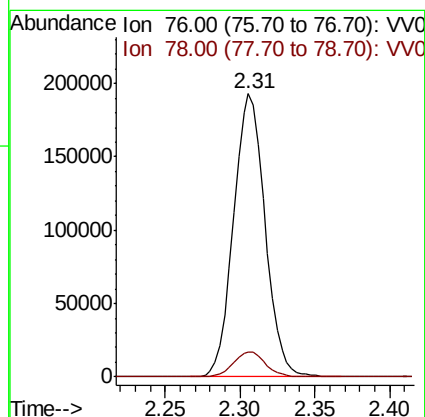
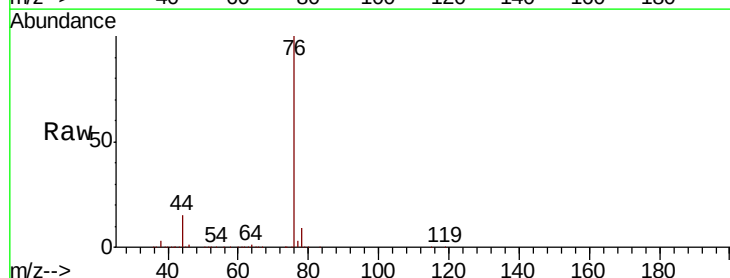
Acq: 13 Jun 2020 00:08

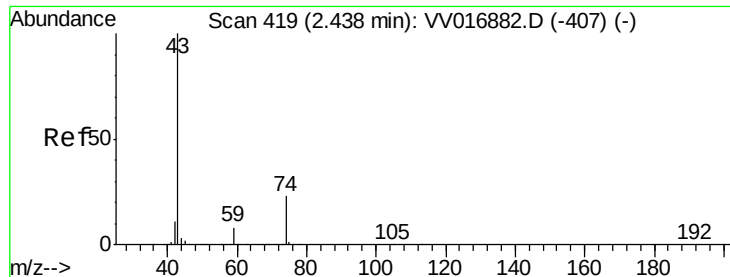
Tgt Ion: 76 Resp: 283246

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

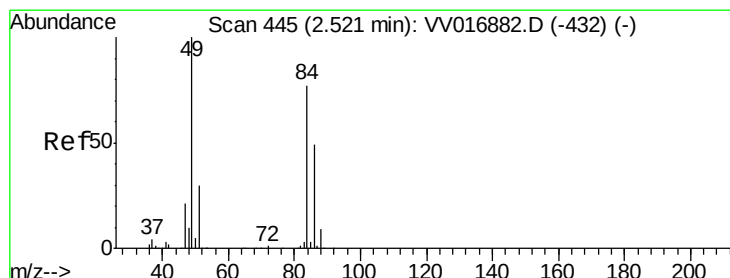
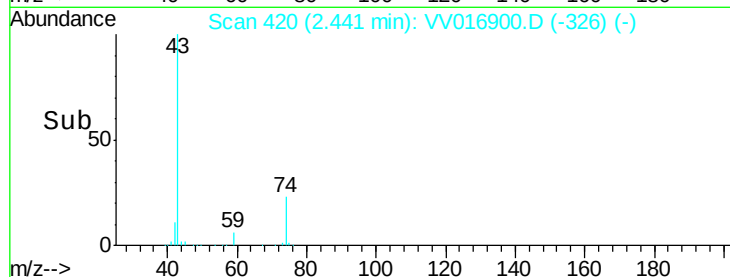
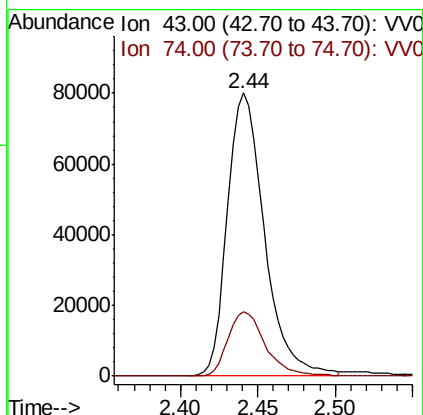
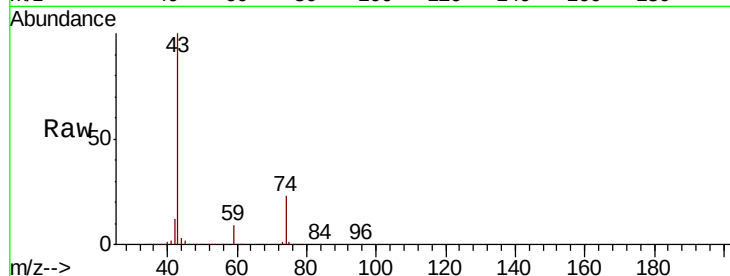




#15
Methvl Acetate
Concen: 49.030 ug/L
RT: 2.44 min Scan# 420
Delta R.T. 0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

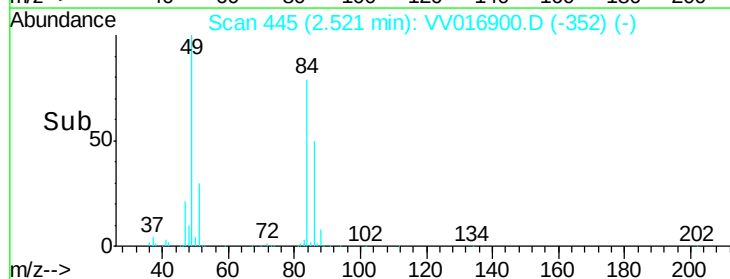
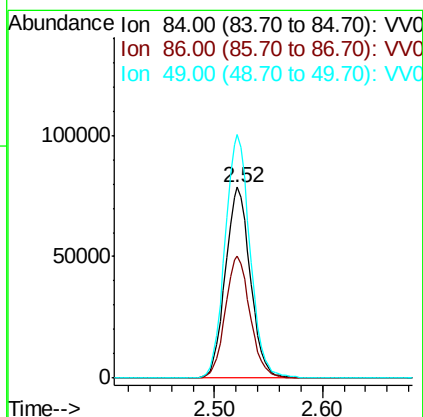
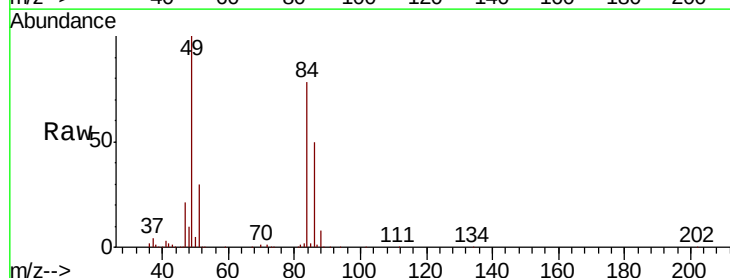
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

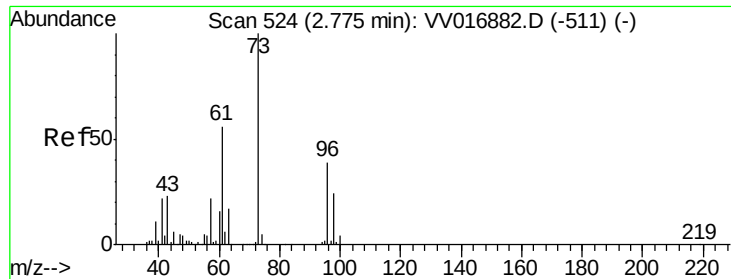
Tot Ion: 43 Resp: 132362
Ion Ratio Lower Upper
43 100
74 23.2 17.9 26.9



#16
Methylene chloride
Concen: 49.546 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

Tgt Ion: 84 Resp: 127016
Ion Ratio Lower Upper
84 100
86 63.9 44.0 81.8
49 127.6 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 47.463 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

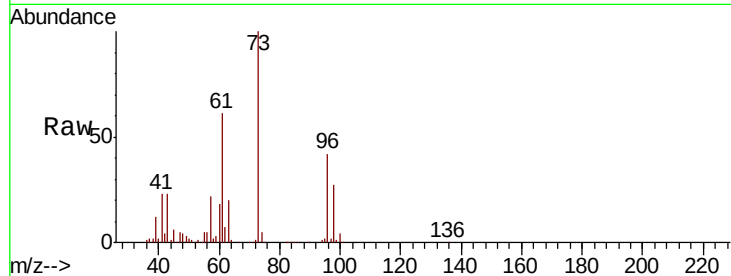
Tot Ion: 96 Resp: 113057

Ion Ratio Lower Upper

96 100

61 146.1 102.9 191.1

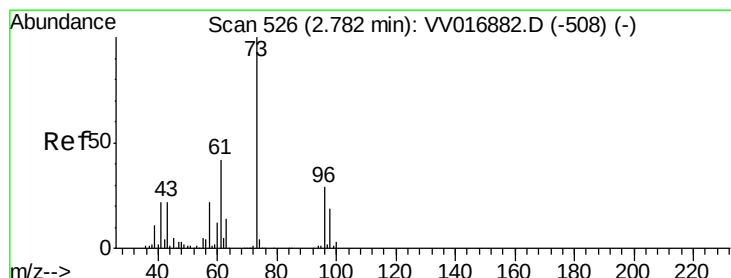
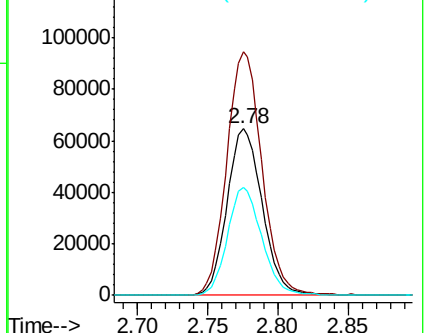
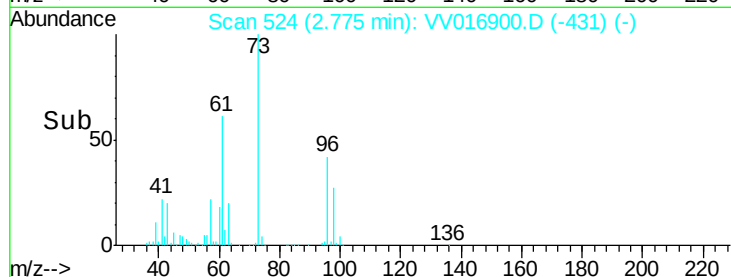
98 65.0 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV016900.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV016900.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV016900.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 50.433 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

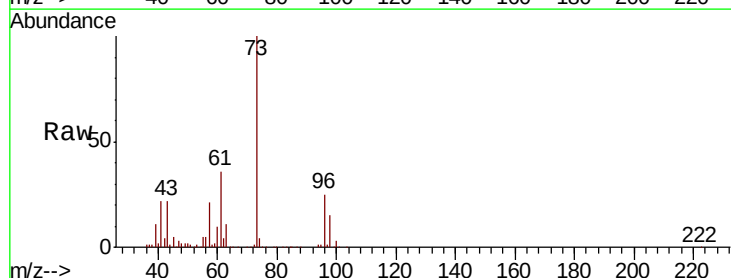
Tgt Ion: 73 Resp: 398057

Ion Ratio Lower Upper

73 100

43 22.4 17.8 26.6

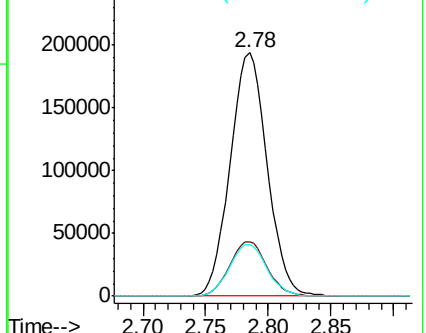
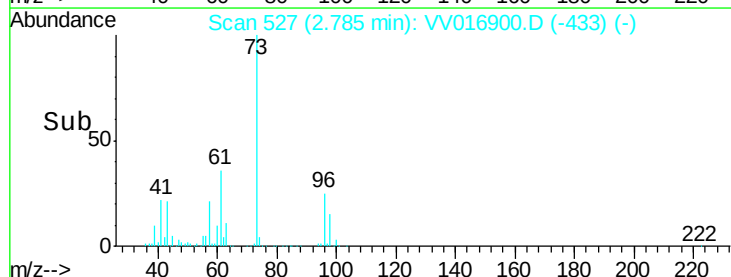
57 21.5 17.7 26.5

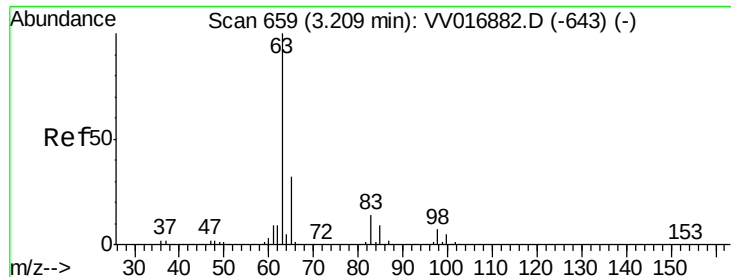


Abundance Ion 73.00 (72.70 to 73.70): VV016900.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV016900.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV016900.D (-433) (-)

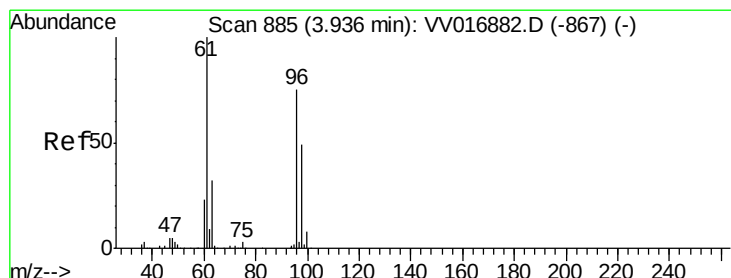
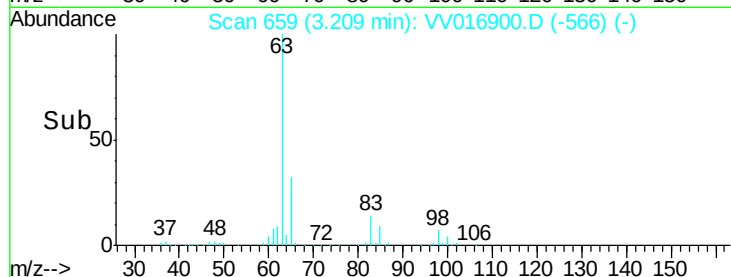
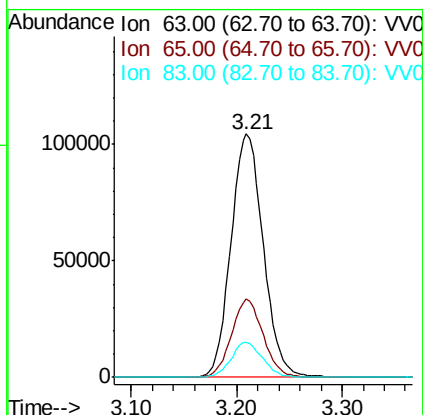
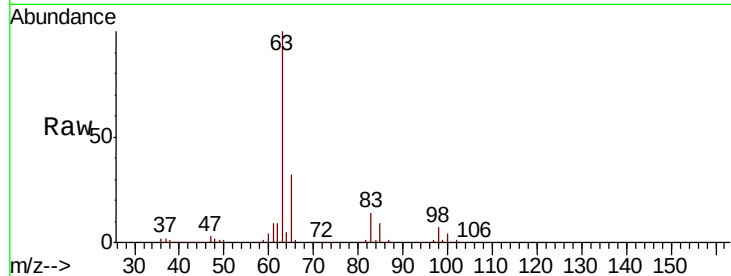




#19
 1,1-Dichloroethane
 Concen: 49.526 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

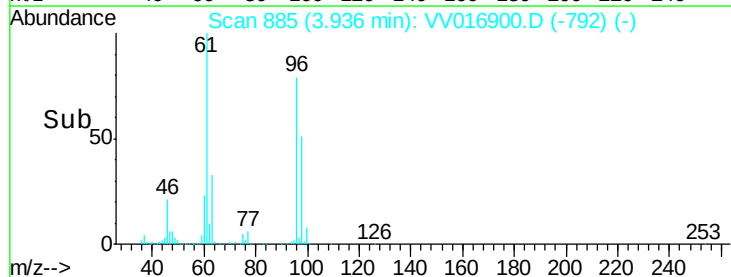
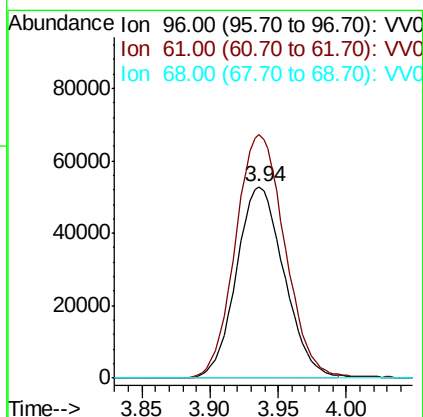
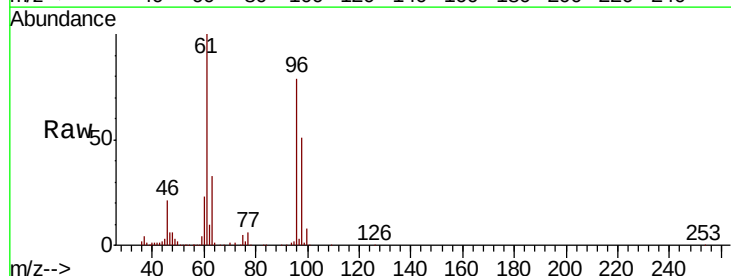
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

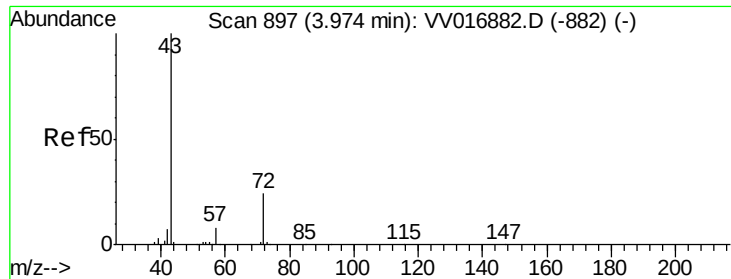
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.2	43.0
83	14.3	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 49.387 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.1	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 97.767 ug/L

RT: 3.98 min Scan# 899

Delta R.T. 0.01 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

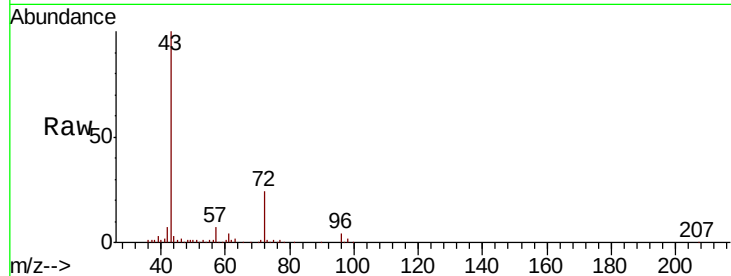
VSTD05088

Tot Ion: 43 Resp: 182607

Ion Ratio Lower Upper

43 100

72 25.0 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016882.D (-882) (-)

Ion 72.00 (71.70 to 72.70): VV016882.D (-882) (-)

3.98

80000

60000

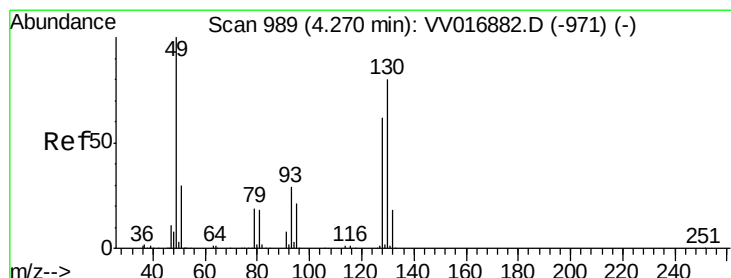
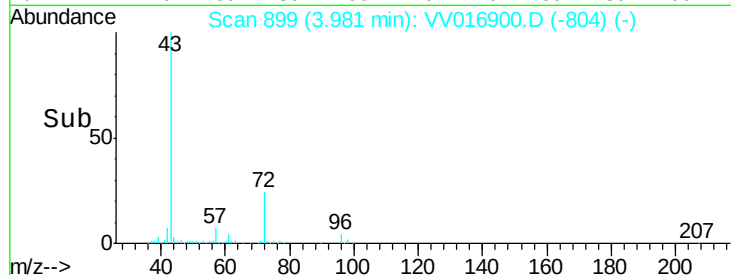
40000

20000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 48.833 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Tgt Ion: 128 Resp: 66802

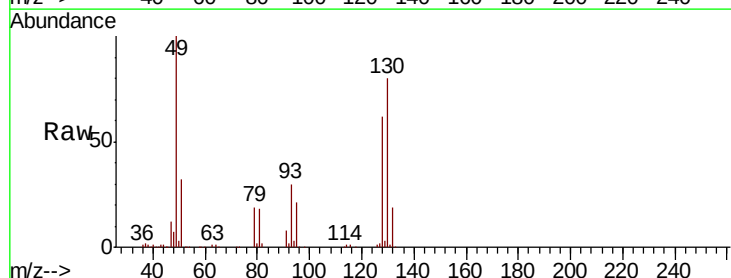
Ion Ratio Lower Upper

128 100

49 160.8 111.9 207.9

130 128.7 91.5 169.9

51 50.9 42.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): VV016882.D (-971) (-)

Ion 49.00 (48.70 to 49.70): VV016882.D (-971) (-)

Ion 130.00 (129.70 to 130.70): VV016882.D (-971) (-)

Ion 51.00 (50.70 to 51.70): VV016882.D (-971) (-)

60000

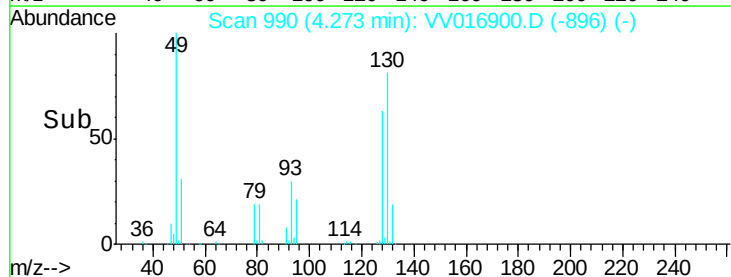
40000

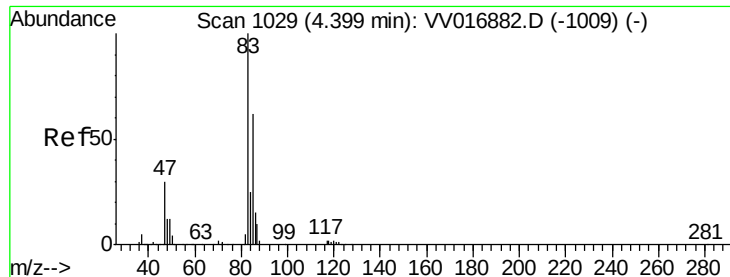
20000

0

Time-->

4.20 4.30 4.40

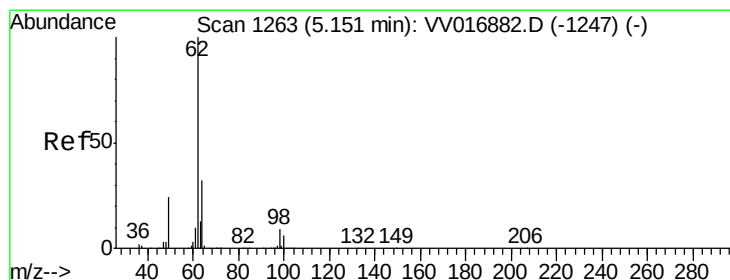
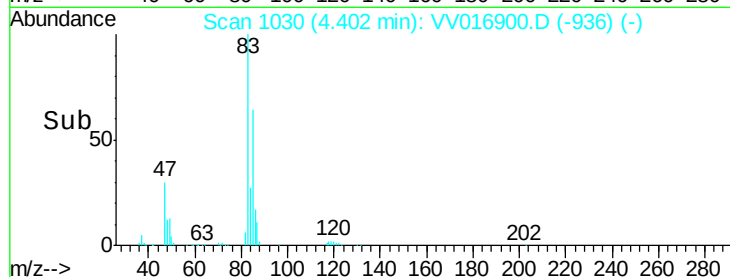
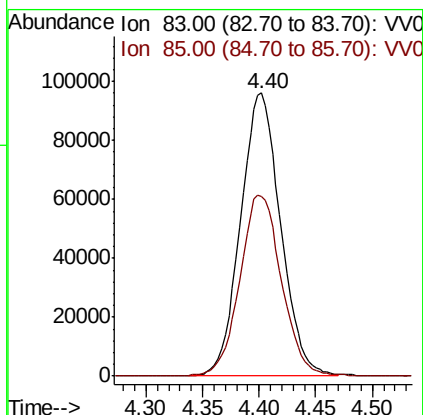
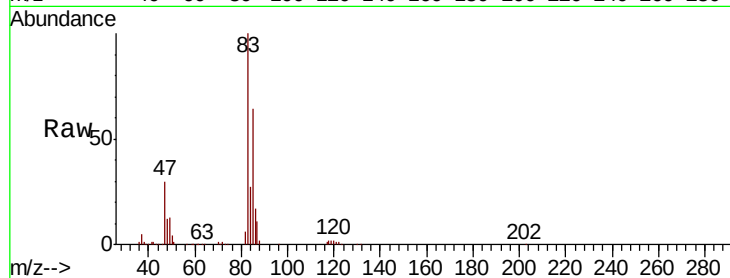




#25
Chloroform
Concen: 51.392 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

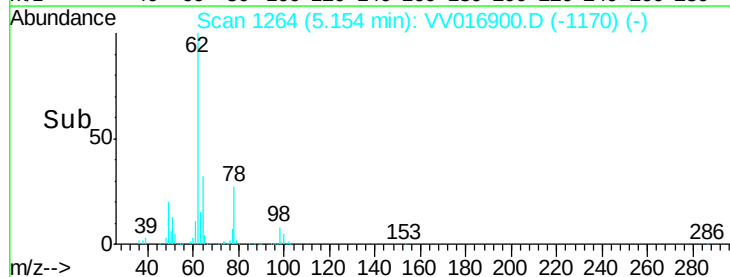
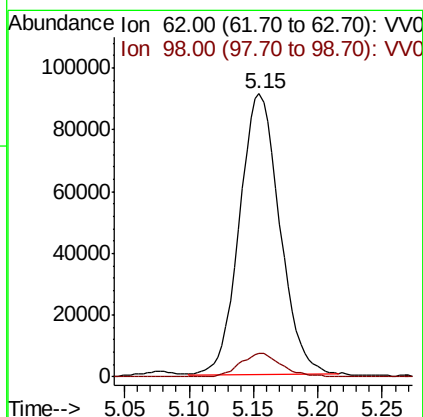
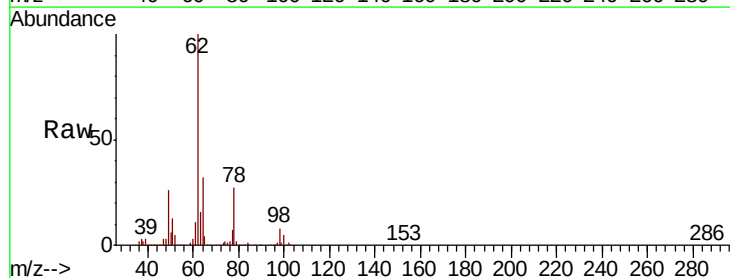
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

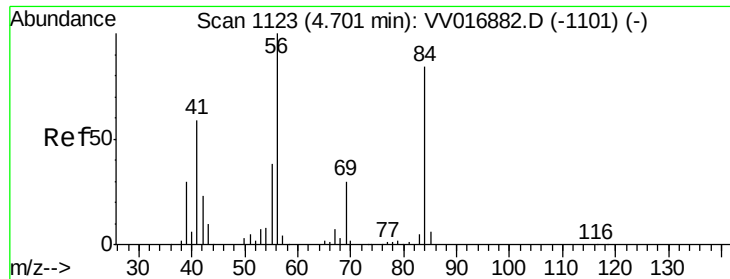
Tot Ion: 83 Resp: 236808
Ion Ratio Lower Upper
83 100
85 63.7 44.1 81.9



#27
1,2-Dichloroethane
Concen: 51.266 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

Tgt Ion: 62 Resp: 198026
Ion Ratio Lower Upper
62 100
98 8.2 7.4 11.2

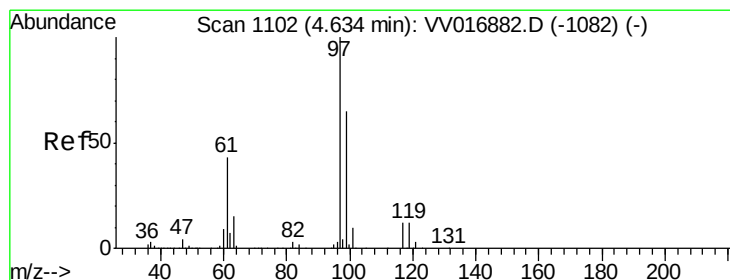
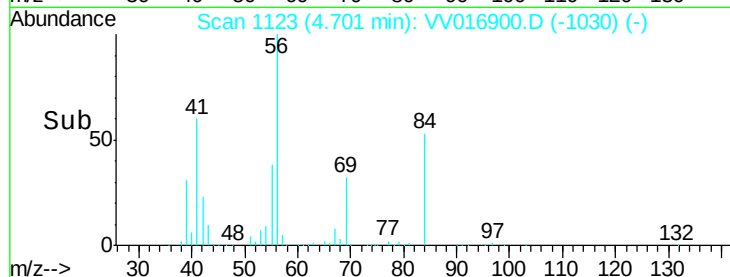
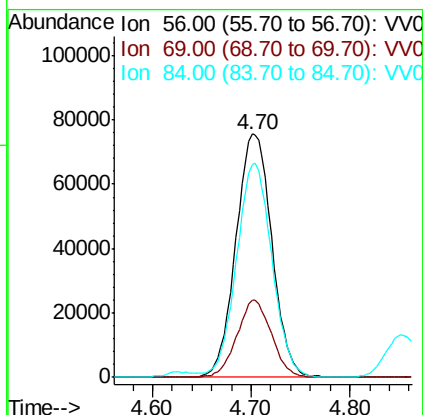
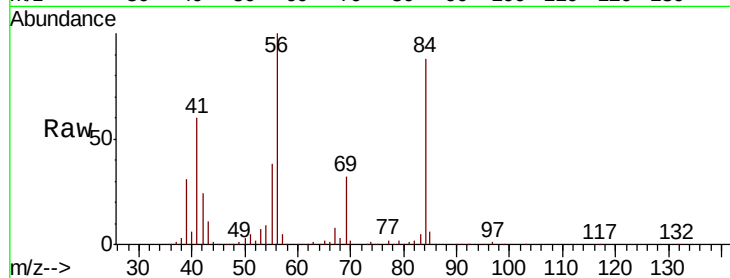




#29
Cyclohexane
Concen: 46.001 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

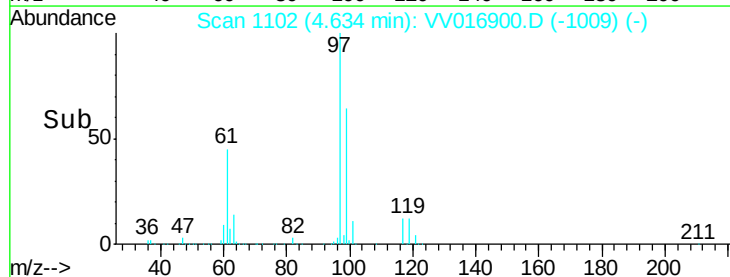
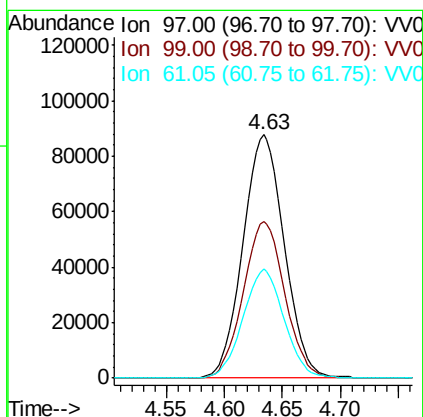
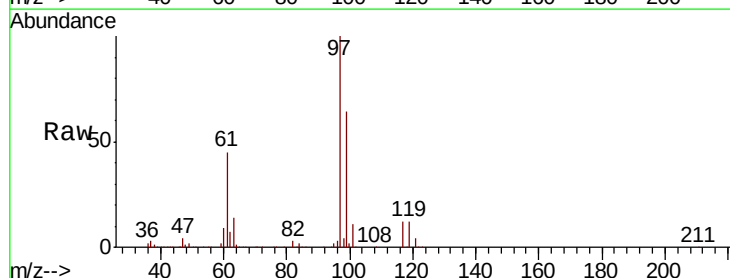
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

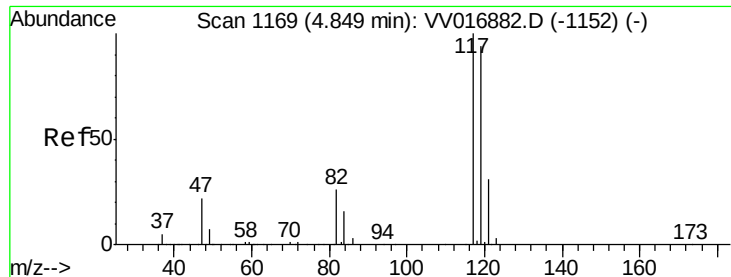
Tot Ion: 56 Resp: 191094
Ion Ratio Lower Upper
56 100
69 30.6 25.0 37.4
84 86.4 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 51.100 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

Tgt Ion: 97 Resp: 217850
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 44.4 36.7 55.1





#31

Carbon tetrachloride

Concen: 51.050 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

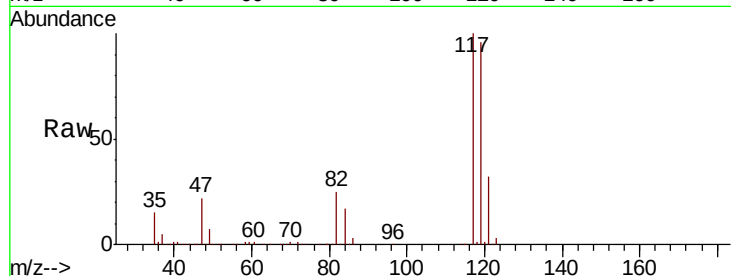
VSTD05088

Tot Ion:117 Resp: 188274

Ion Ratio Lower Upper

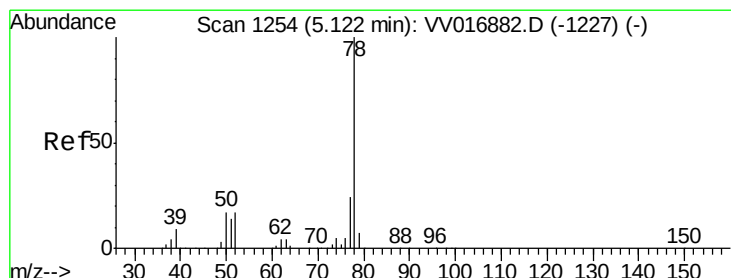
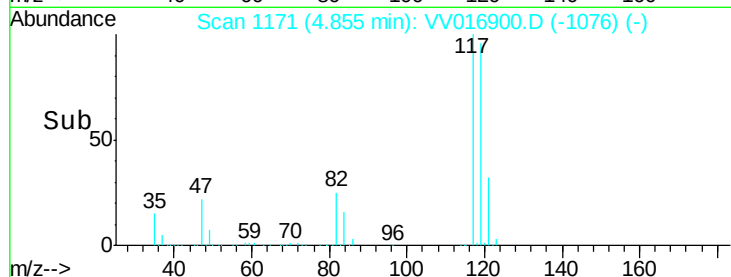
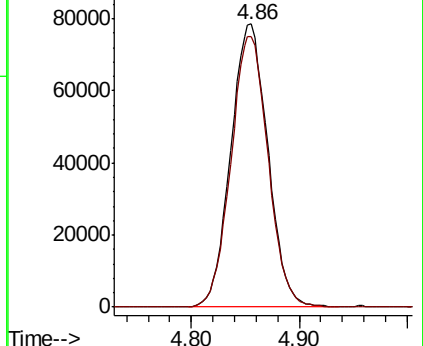
117 100

119 95.6 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.863 ug/L

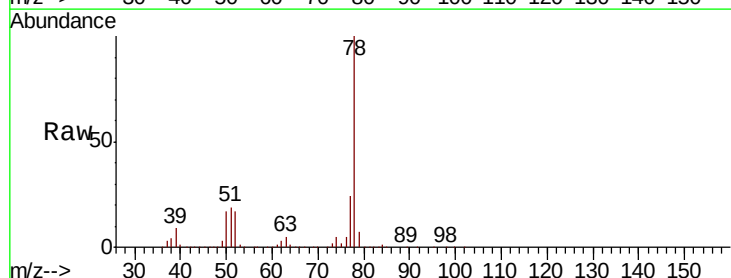
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

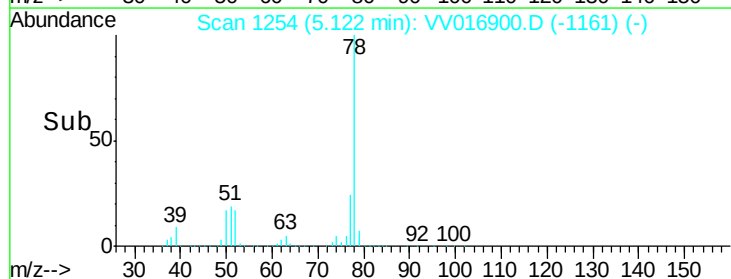
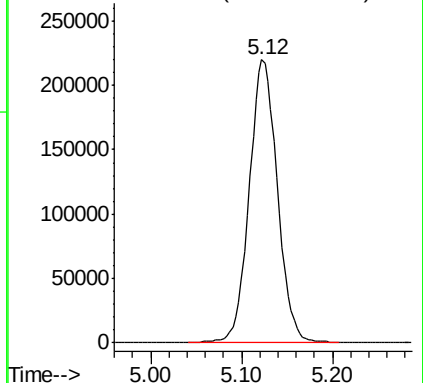
Lab File: VV016900.D

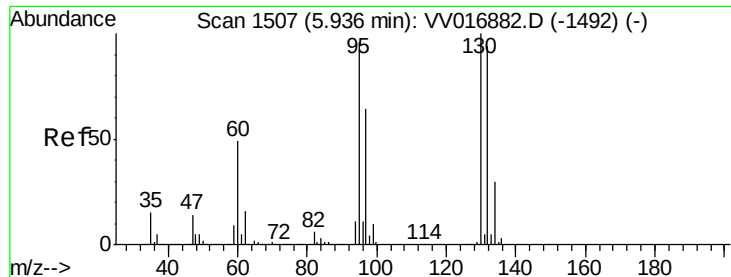
Acq: 13 Jun 2020 00:08

Tgt Ion: 78 Resp: 473402



Abundance Ion 78.00 (77.70 to 78.70): VV0

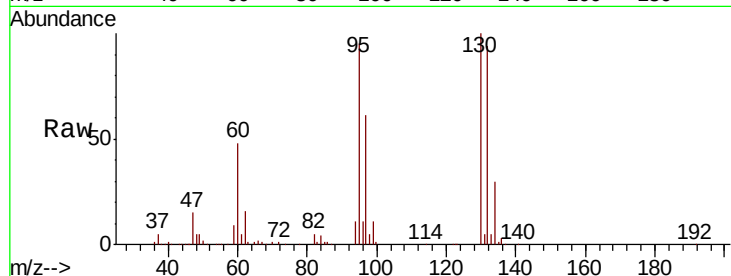




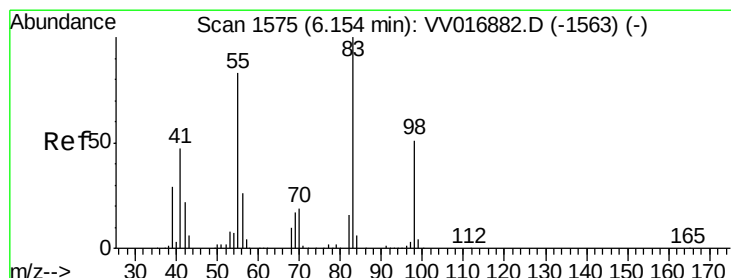
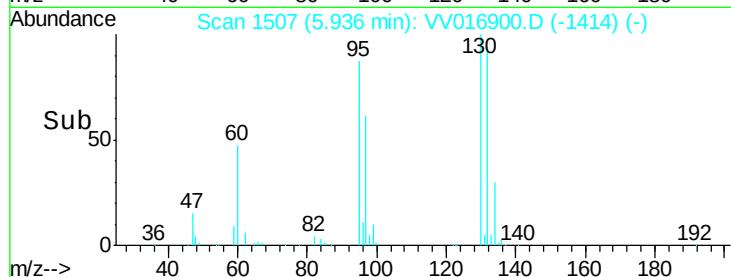
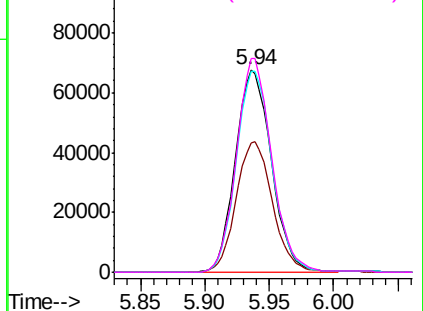
#34
 Trichloroethene
 Concen: 49.703 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05088

Tot Ion: 95 Resp: 131845
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.3 82.3
 132 99.0 67.9 126.1
 130 105.3 72.2 134.2

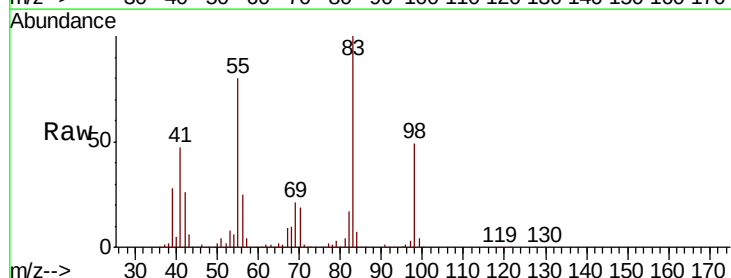


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

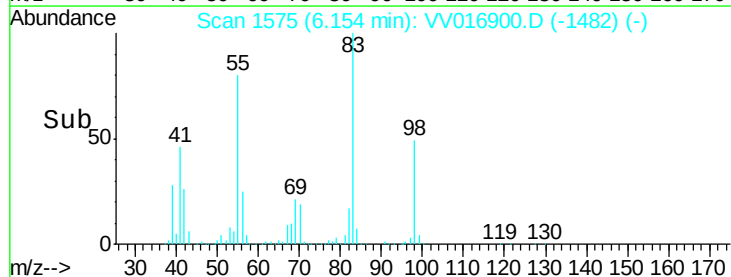
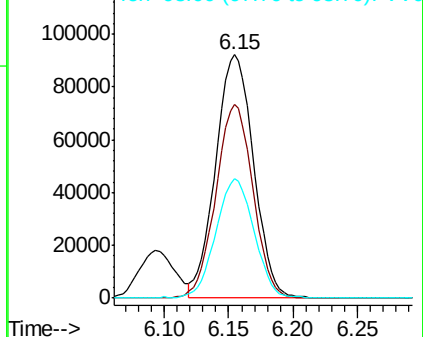


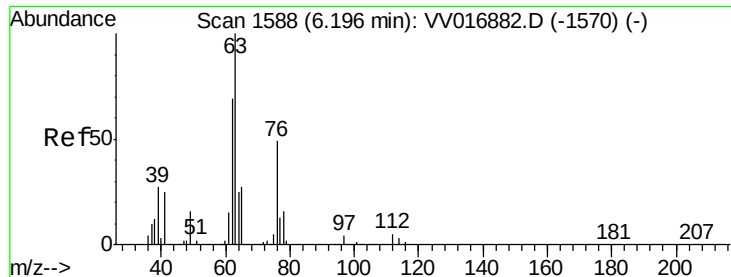
#35
 Methylcyclohexane
 Concen: 45.450 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

Tgt Ion: 83 Resp: 189136
 Ion Ratio Lower Upper
 83 100
 55 77.5 64.2 96.2
 98 49.3 40.3 60.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

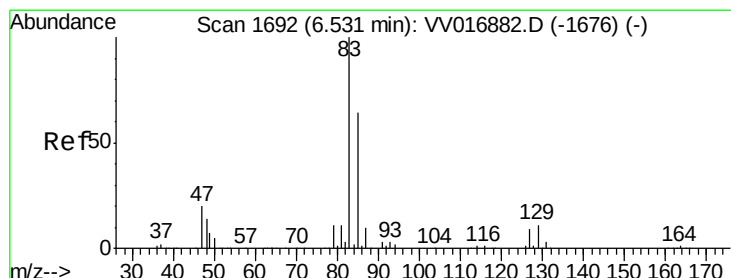
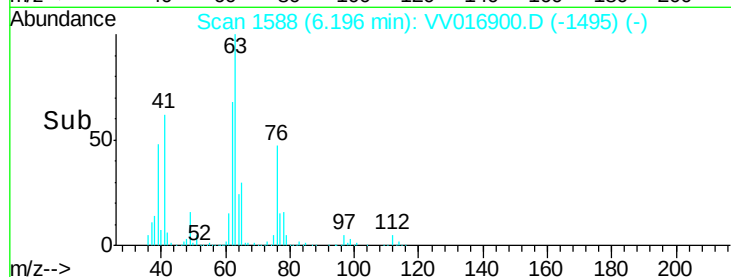
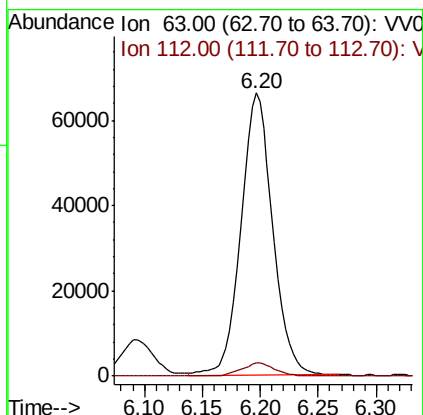
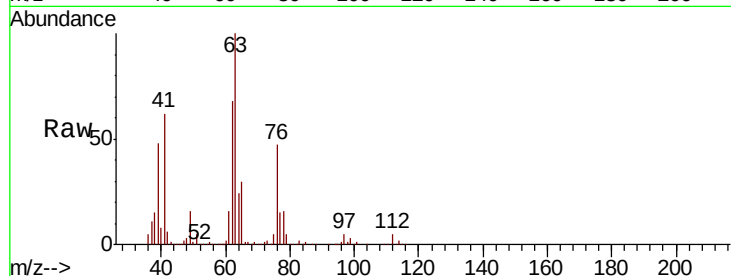




#37
 1,2-Dichloropropane
 Concen: 48.855 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

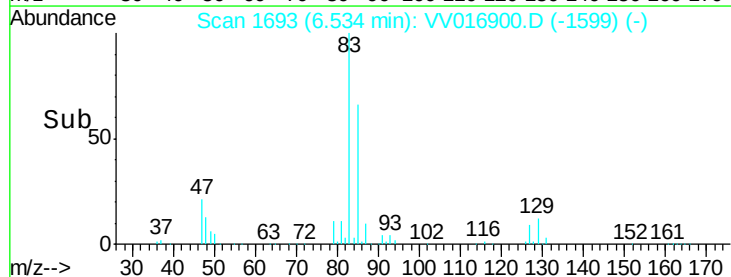
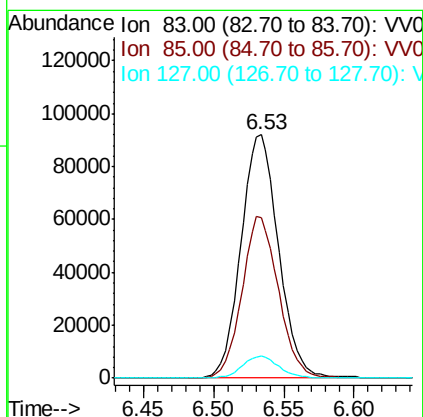
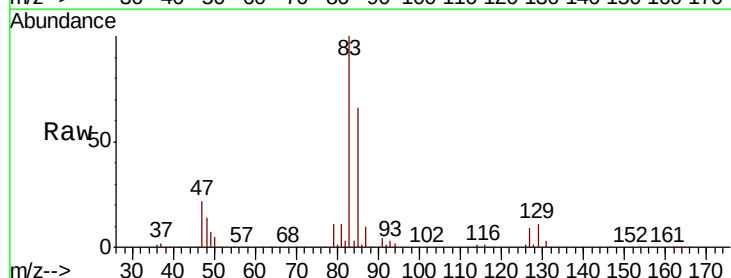
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

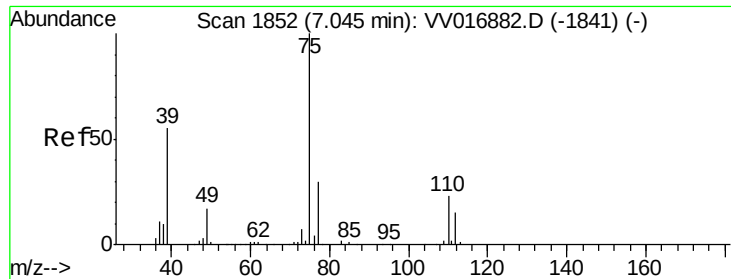
Tot Ion: 63 Resp: 125662
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 50.119 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

Tgt Ion: 83 Resp: 171609
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.4 82.5
 127 9.2 7.4 11.0

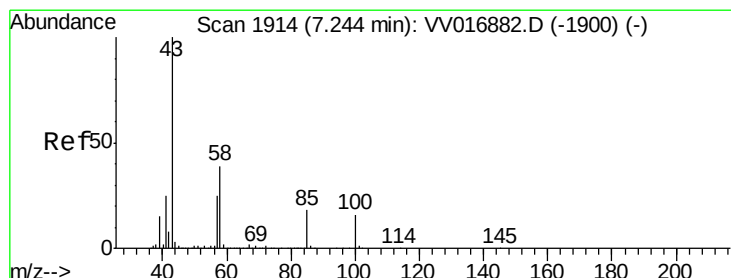
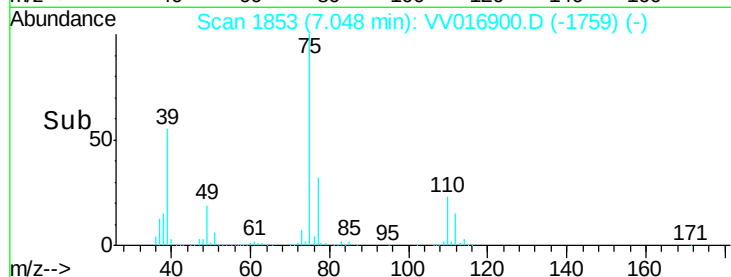
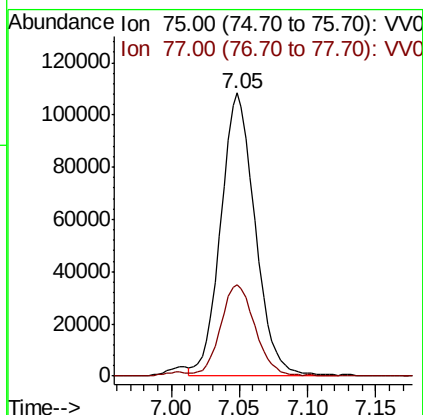
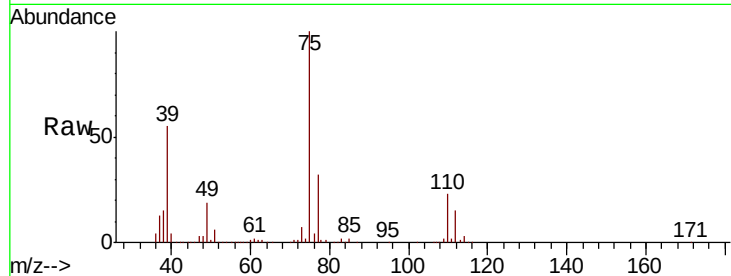




#39
 cis-1,3-Dichloropropene
 Concen: 47.544 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

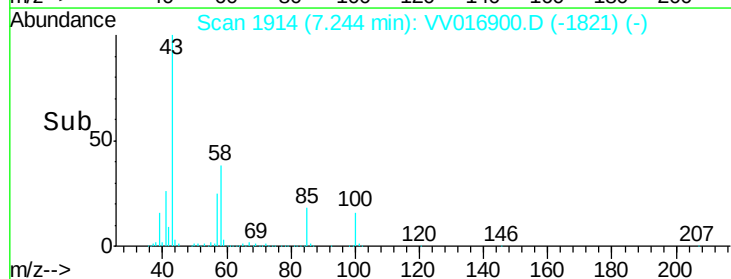
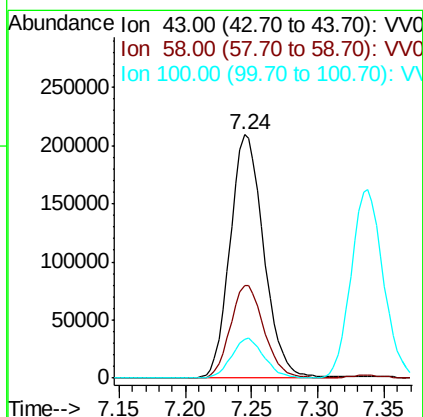
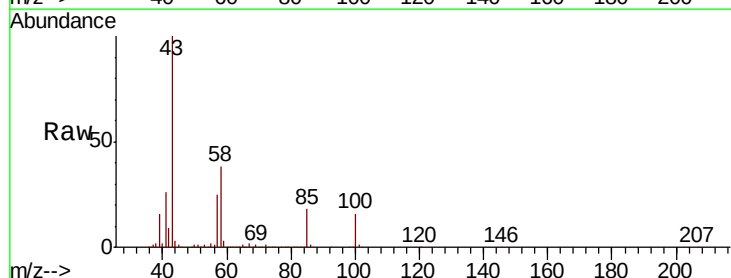
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

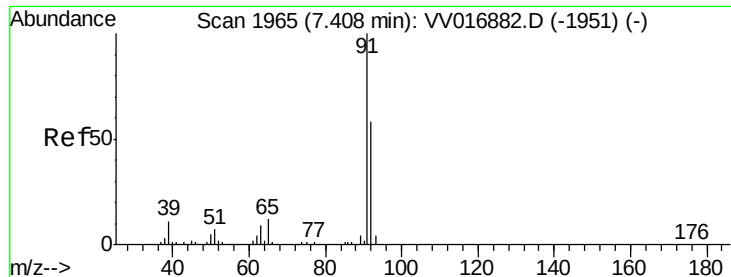
Tot Ion: 75 Resp: 189958
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 101.107 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

Tgt Ion: 43 Resp: 368514
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.2 45.4
 100 16.0 12.3 18.5





#42

Toluene

Concen: 49.014 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

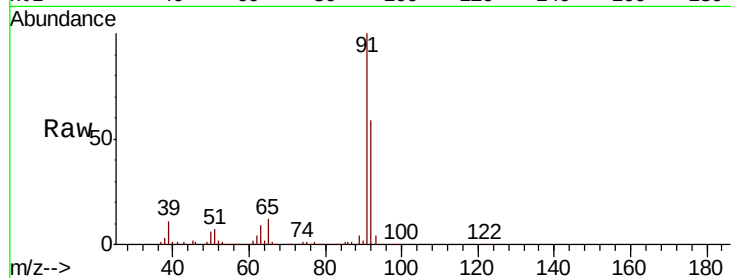
VSTD05088

Tot Ion: 91 Resp: 511048

Ion Ratio Lower Upper

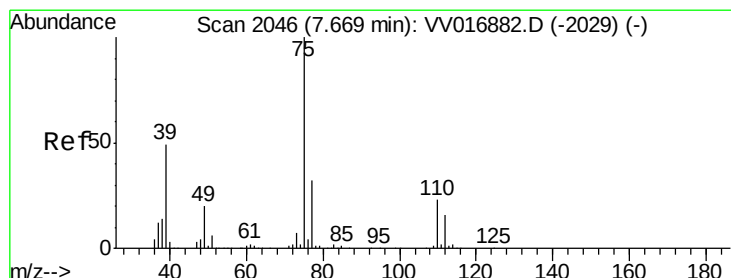
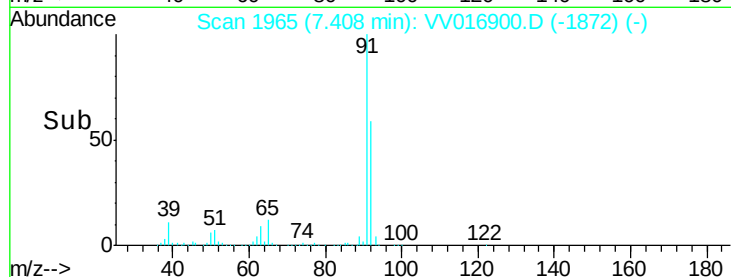
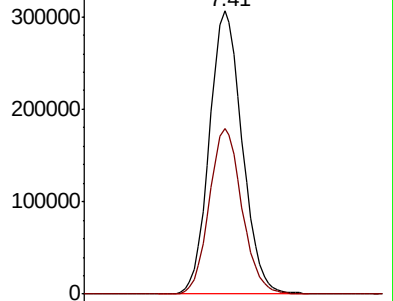
91 100

92 58.7 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV016882.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV016882.D (-1951) (-)



#44

trans-1,3-Dichloropropene

Concen: 49.389 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016900.D

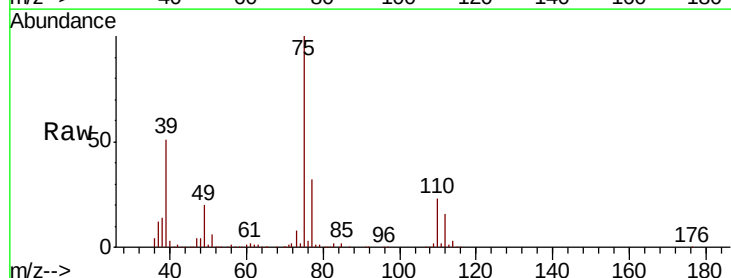
Acq: 13 Jun 2020 00:08

Tgt Ion: 75 Resp: 191842

Ion Ratio Lower Upper

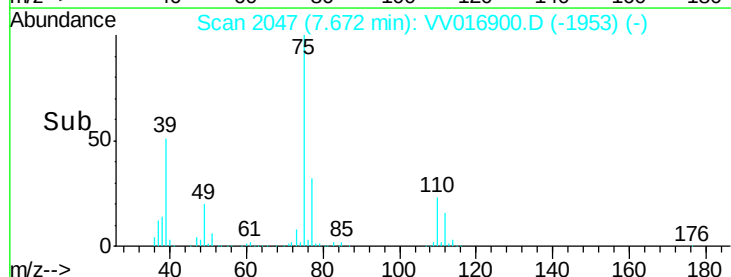
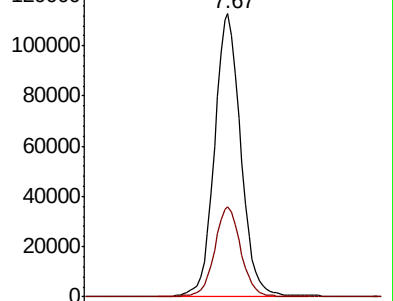
75 100

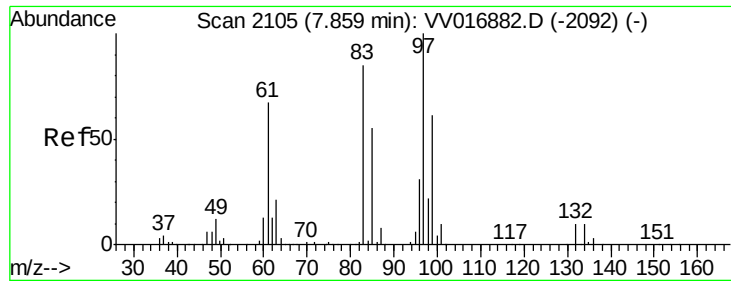
77 32.0 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV016882.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV016882.D (-2029) (-)

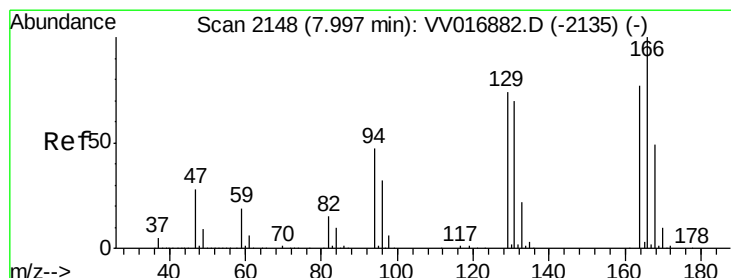
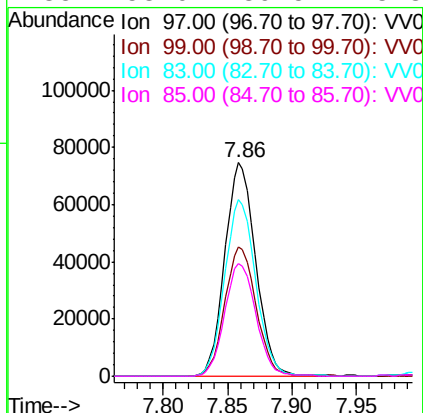
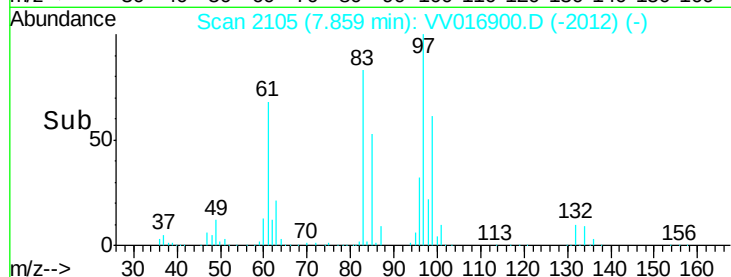
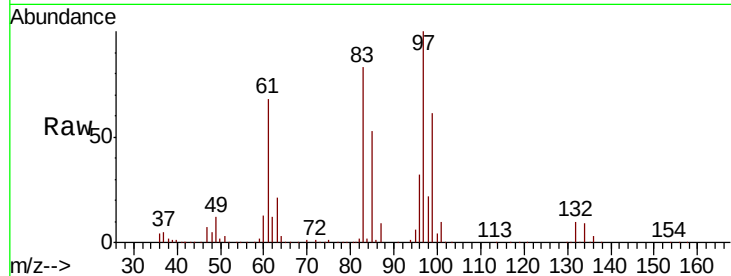




#45
1,1,2-Trichloroethane
Concen: 50.021 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

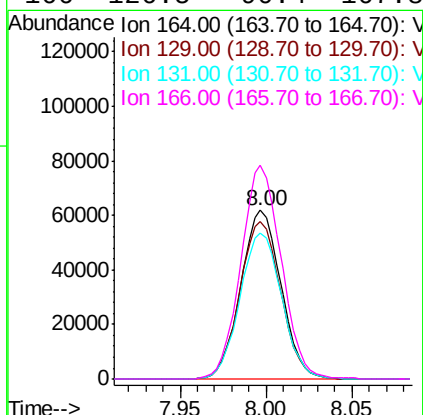
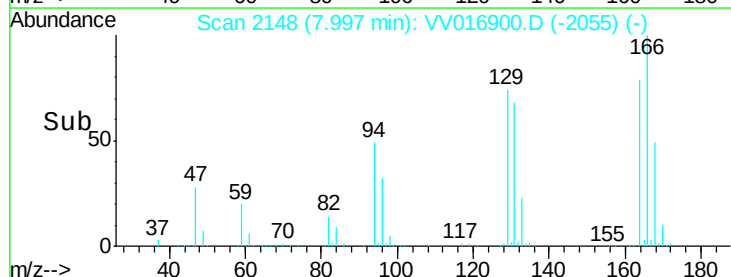
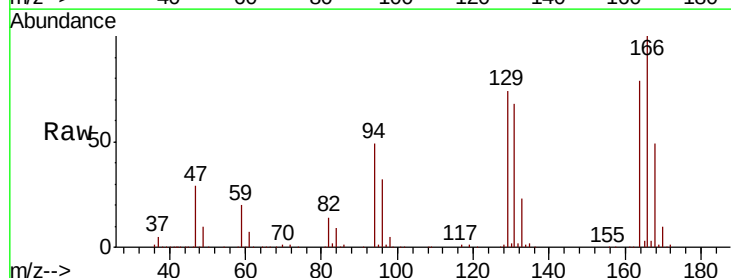
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

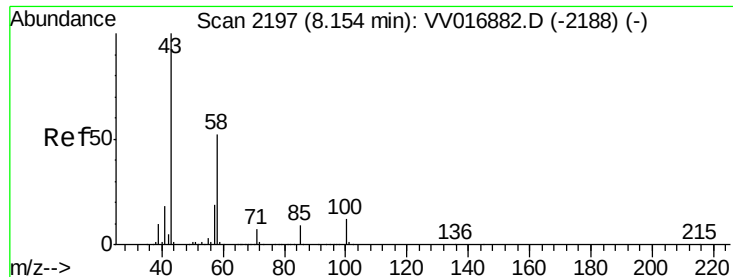
Tot Ion:	97	Resp:	124130
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.3	82.3
83	82.5	60.0	111.4
85	53.0	39.5	73.3



#46
Tetrachloroethene
Concen: 48.299 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

Tgt Ion:	164	Resp:	100764
Ion	Ratio	Lower	Upper
164	100		
129	93.5	67.0	124.4
131	86.6	64.8	120.3
166	126.5	90.4	167.8

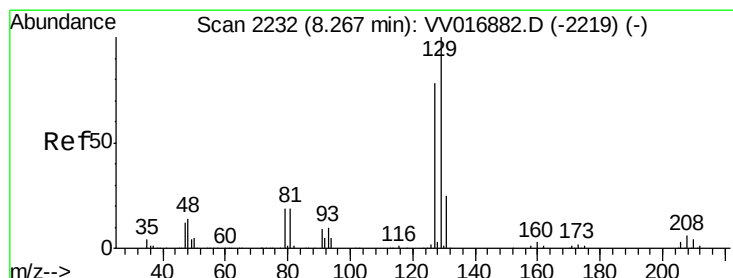
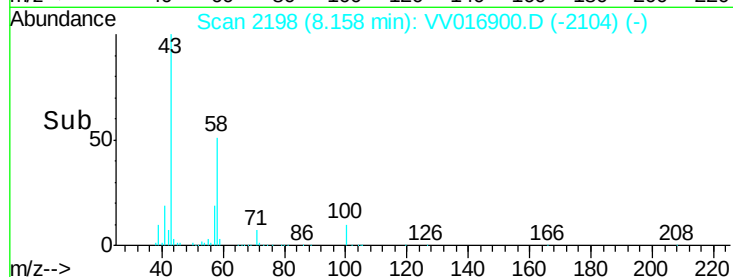
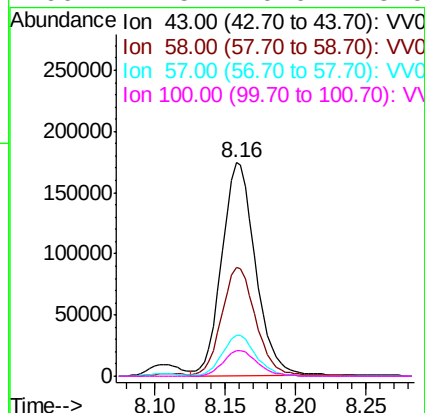
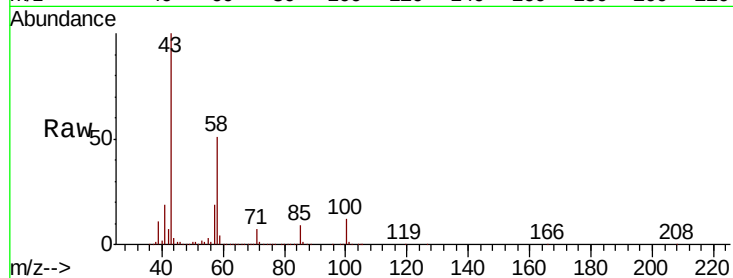




#48
2-Hexanone
Concen: 102.389 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

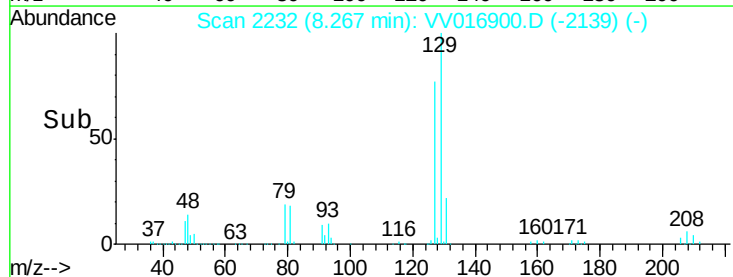
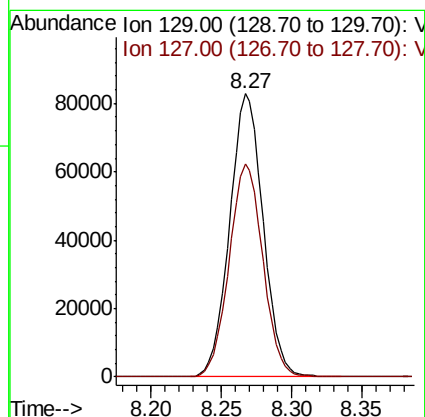
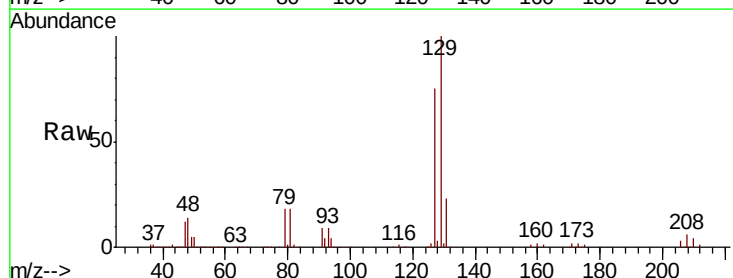
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

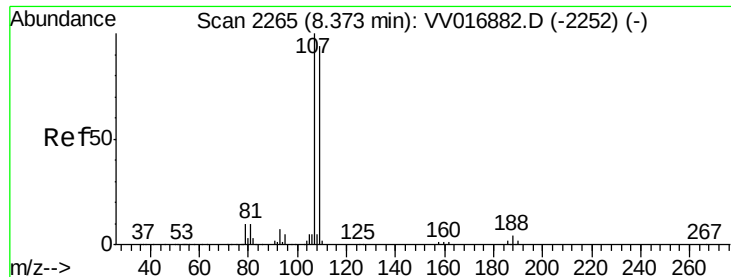
Tot Ion:	43	Resp:	289357
Ion	Ratio	Lower	Upper
43	100		
58	51.9	43.1	64.7
57	18.7	15.3	22.9
100	12.5	10.0	15.0



#49
Dibromochloromethane
Concen: 51.864 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

Tgt Ion:	129	Resp:	137613
Ion	Ratio	Lower	Upper
129	100		
127	75.1	54.2	100.6

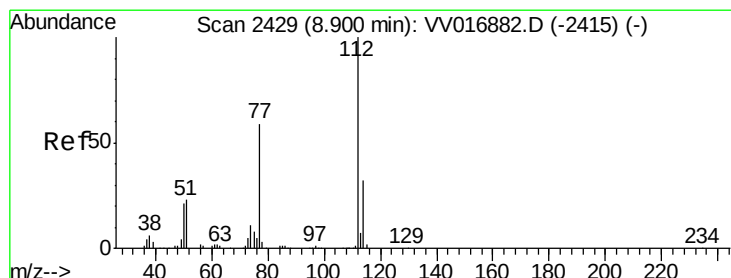
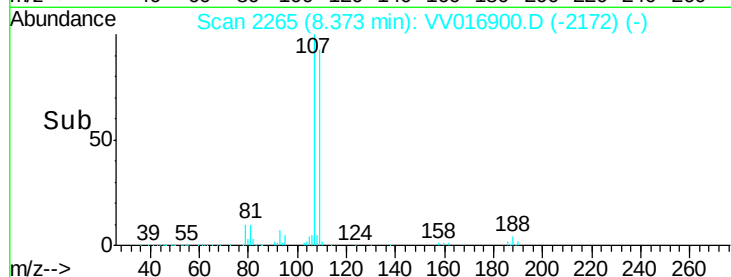
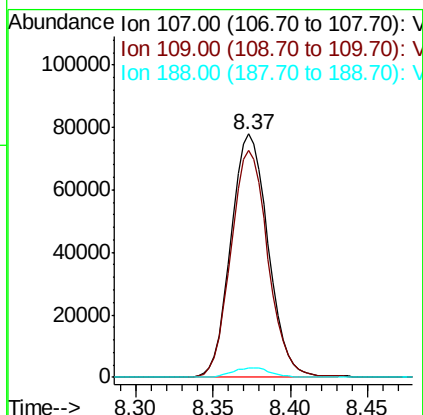
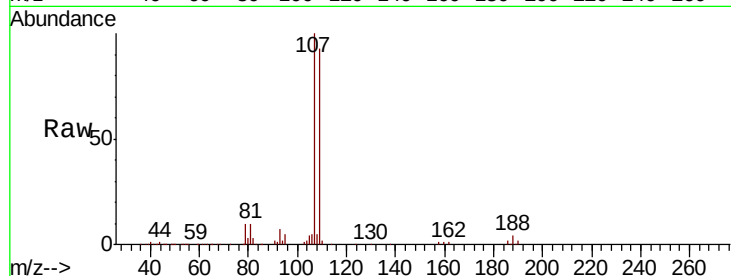




#50
 1,2-Dibromoethane
 Concen: 50.215 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

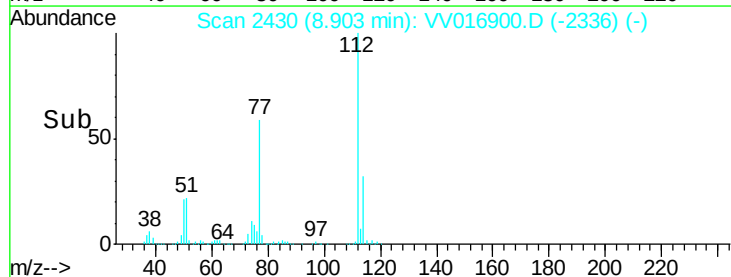
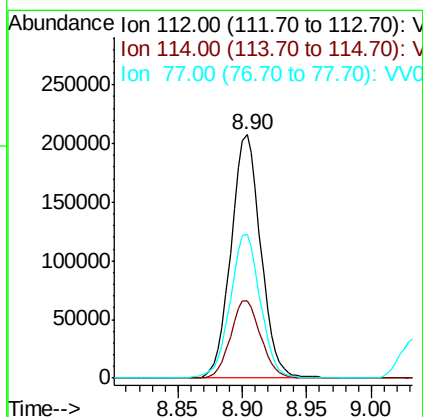
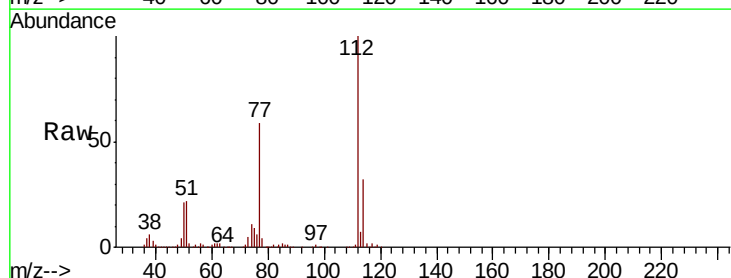
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

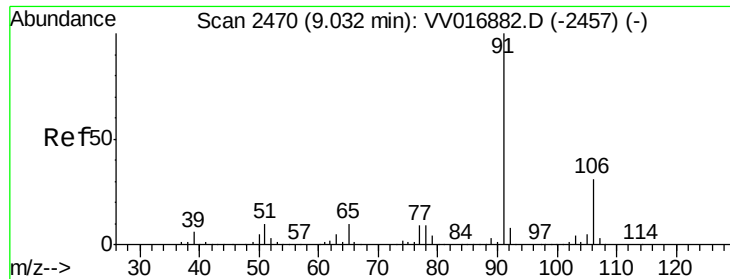
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.4	123.2
188	3.9	3.1	4.7



#51
 Chlorobenzene
 Concen: 48.988 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.3
77	58.9	47.9	71.9





#52

Ethylbenzene

Concen: 49.556 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

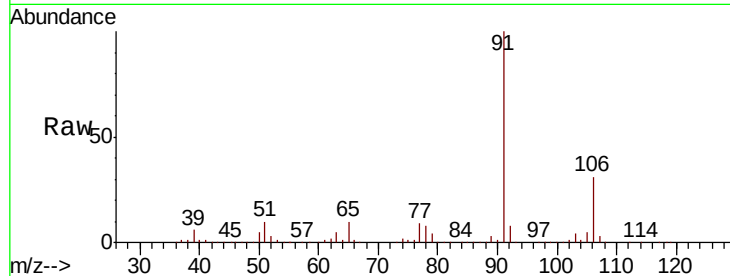
VSTD05088

Tot Ion: 91 Resp: 572319

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016882.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV016882.D (-2457) (-)

9.03

400000

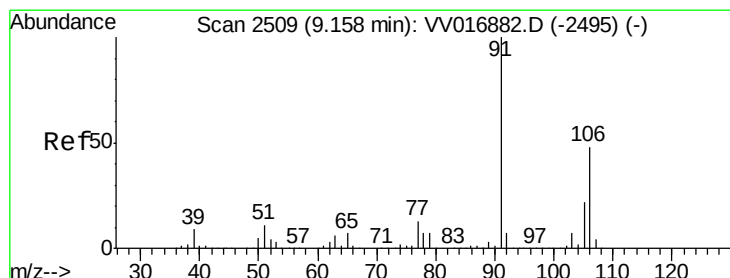
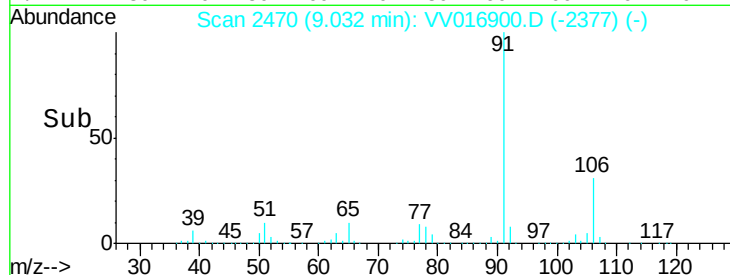
300000

200000

100000

0

Time--> 8.95 9.00 9.05 9.10



#53

m,p-Xylene

Concen: 50.060 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016900.D

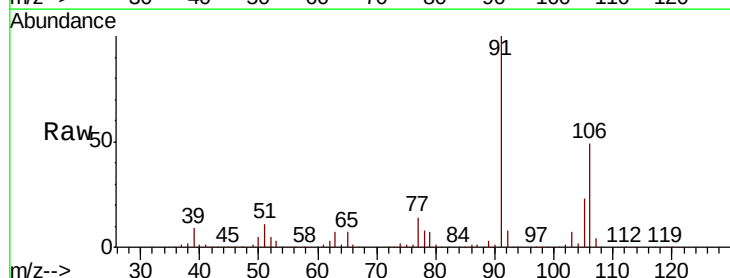
Acq: 13 Jun 2020 00:08

Tgt Ion: 106 Resp: 215260

Ion Ratio Lower Upper

106 100

91 206.1 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016882.D (-2495) (-)

Ion 91.00 (90.70 to 91.70): VV016882.D (-2495) (-)

9.16

300000

250000

200000

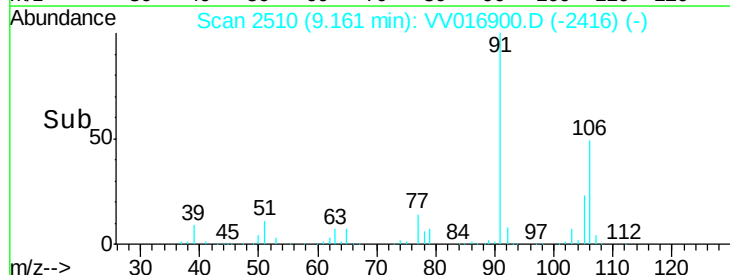
150000

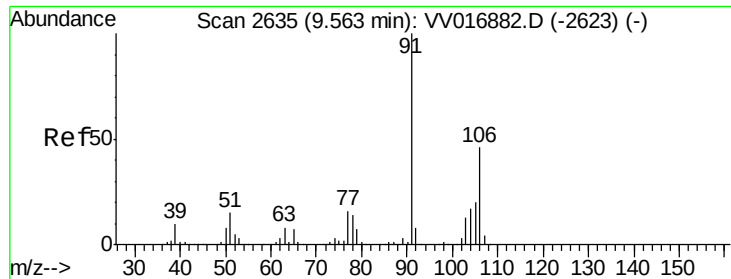
100000

50000

0

Time--> 9.10 9.15 9.20





#54

o-xylene

Concen: 50.977 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

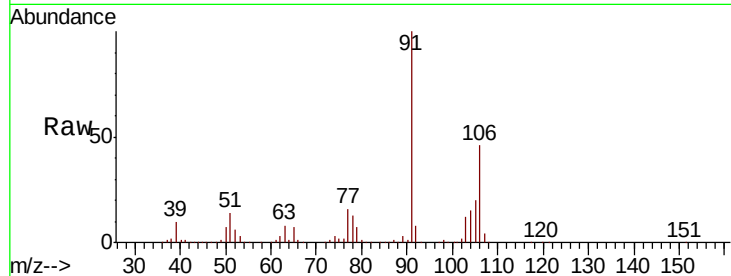
VSTD05088

Tot Ion:106 Resp: 216188

Ion Ratio Lower Upper

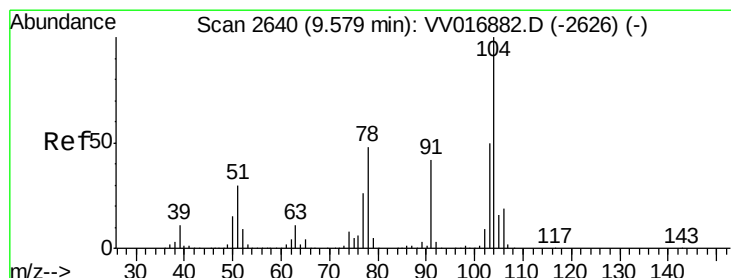
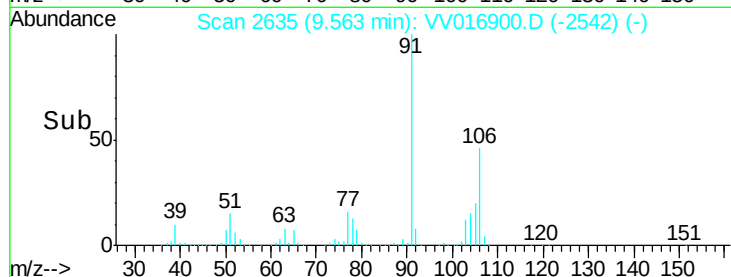
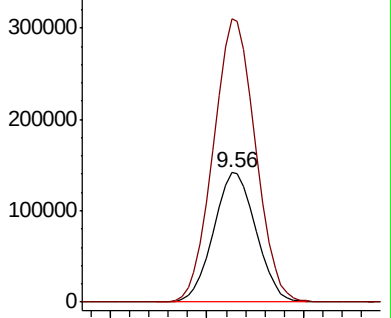
106 100

91 219.0 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.686 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016900.D

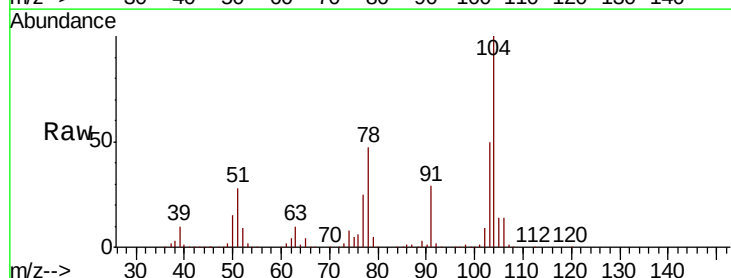
Acq: 13 Jun 2020 00:08

Tgt Ion:104 Resp: 363426

Ion Ratio Lower Upper

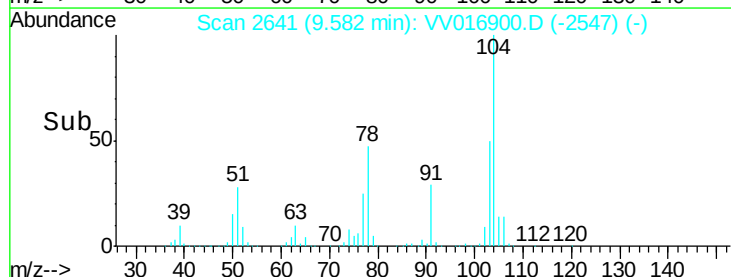
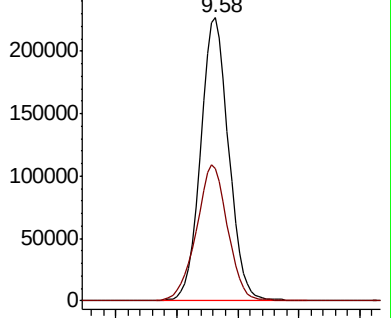
104 100

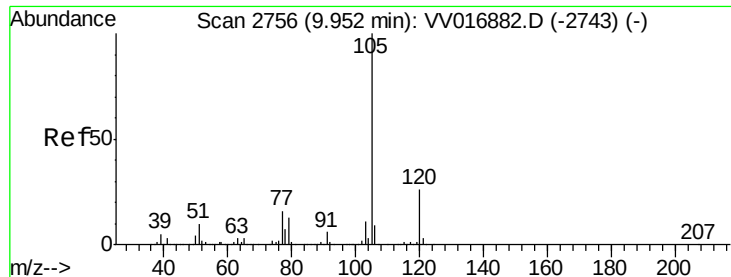
78 46.9 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

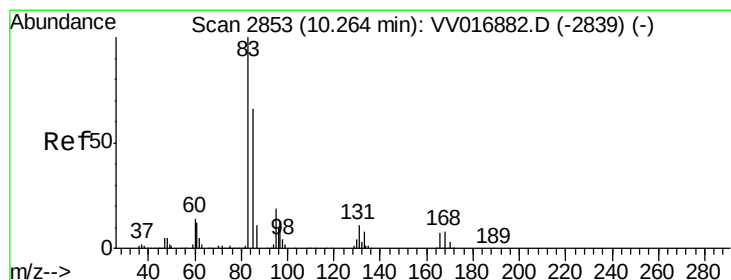
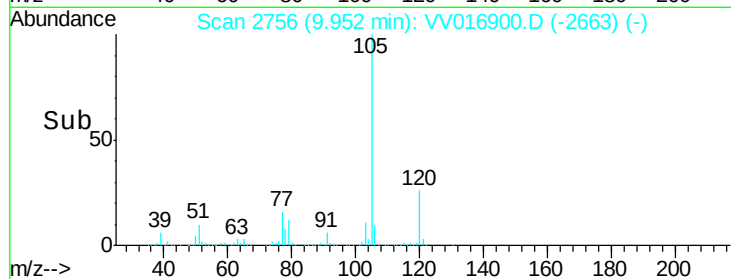
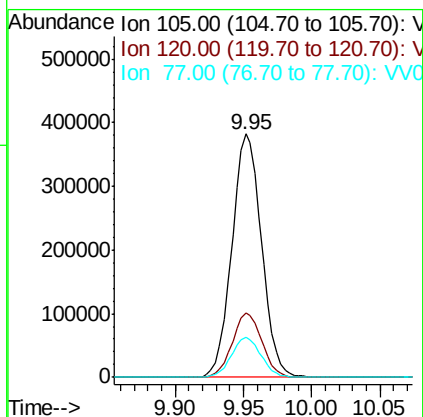
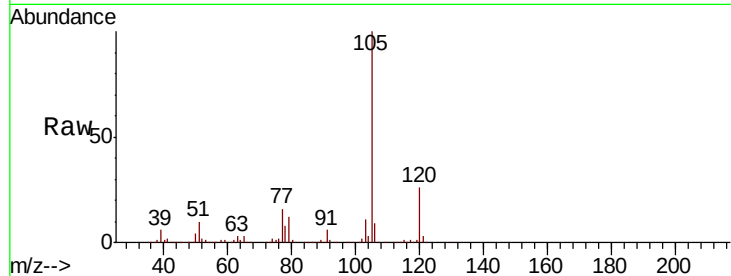




#56
Isopropylbenzene
Concen: 50.546 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

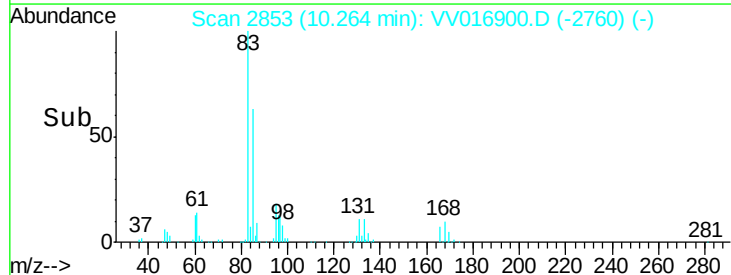
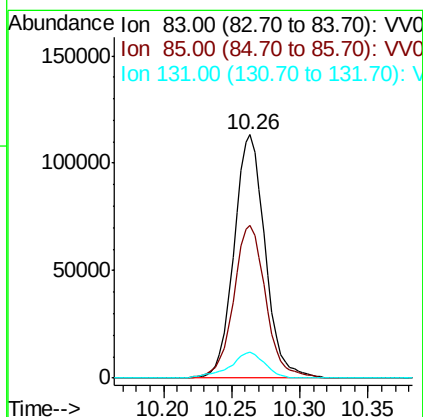
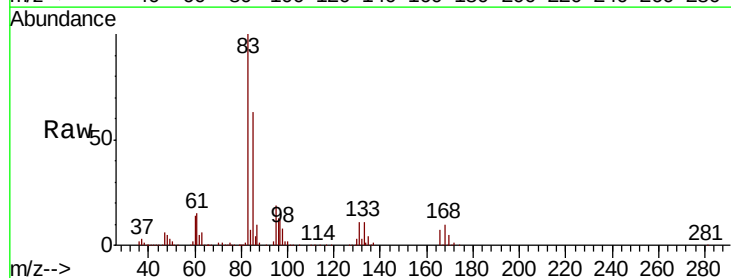
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

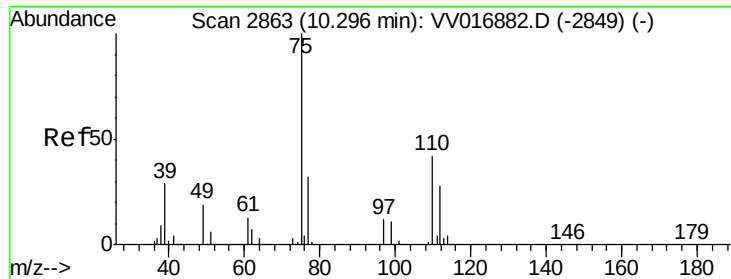
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.2	31.8
77	16.5	13.0	19.4



#58
1,1,2,2-Tetrachloroethane
Concen: 47.144 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. -0.00 min
Lab File: VV016900.D
Acq: 13 Jun 2020 00:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	46.8	86.8
131	10.6	7.9	11.9





#59

1,2,3-Trichloropropane

Concen: 48.694 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

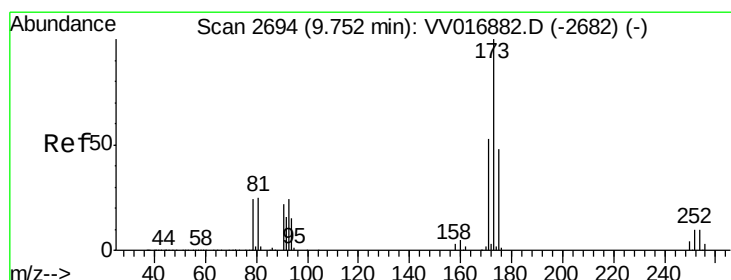
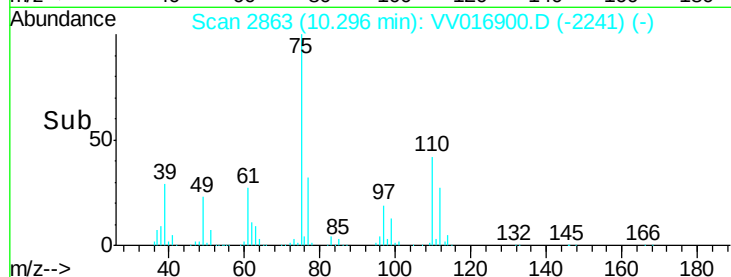
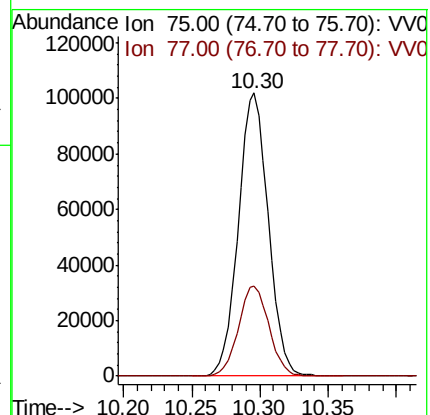
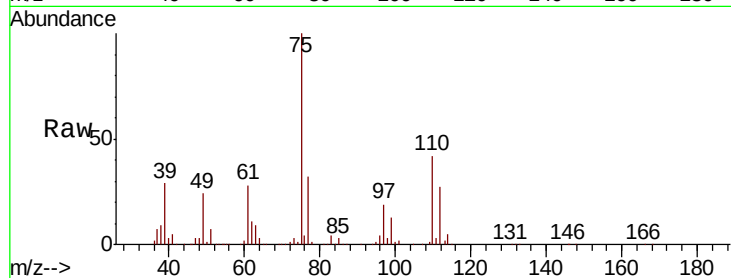
VSTD05088

Tot Ion: 75 Resp: 155401

Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1



#61

Bromoform

Concen: 52.137 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

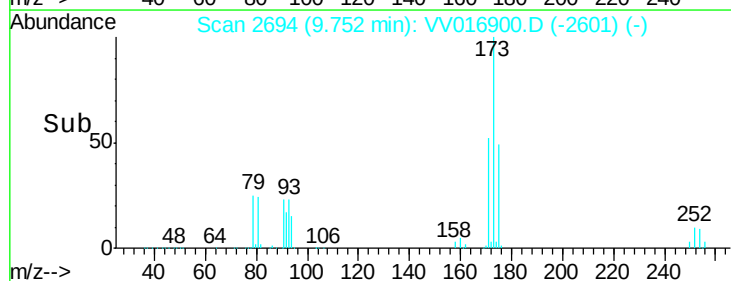
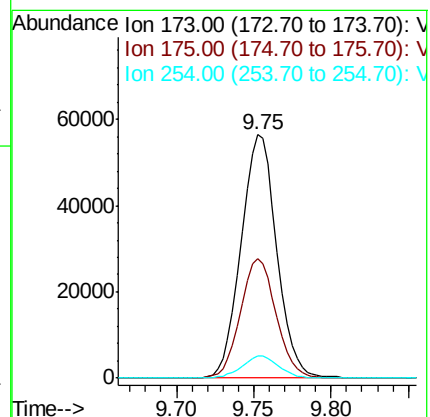
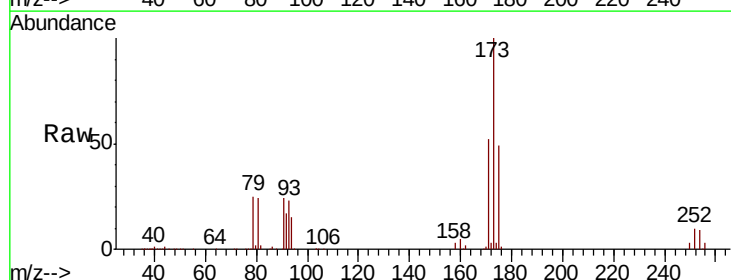
Tgt Ion: 173 Resp: 90331

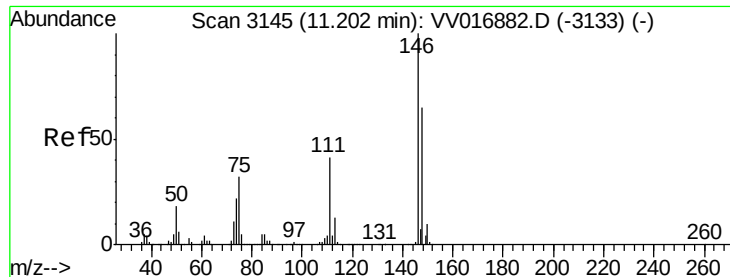
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.4

254 9.2 7.6 11.4

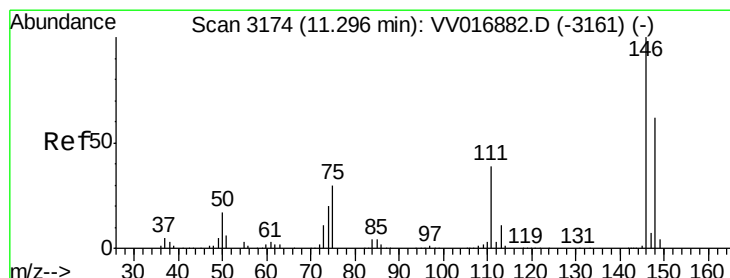
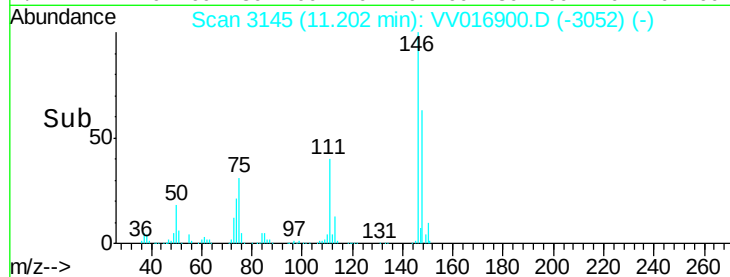
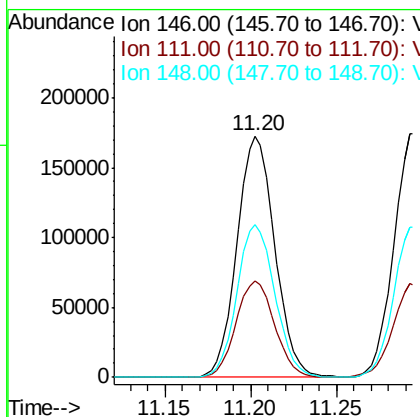
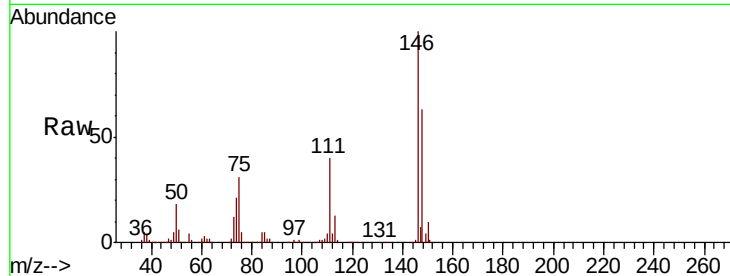




#62
 1,3-Dichlorobenzene
 Concen: 49.555 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

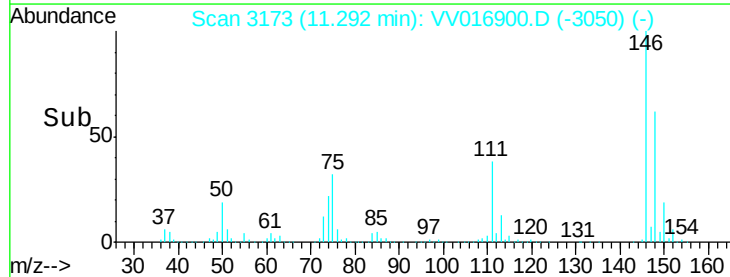
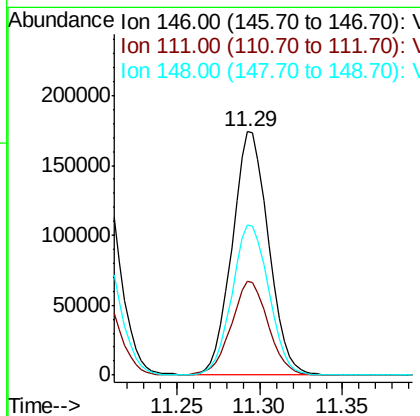
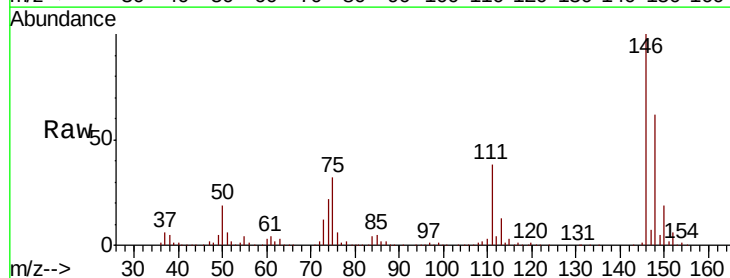
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

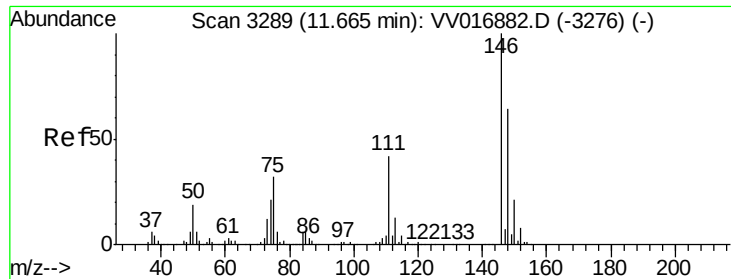
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	28.3	52.7
148	63.4	44.2	82.2



#63
 1,4-Dichlorobenzene
 Concen: 48.754 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	26.7	49.7
148	61.8	43.5	80.9

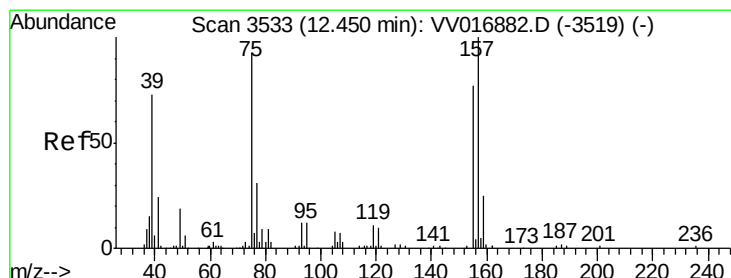
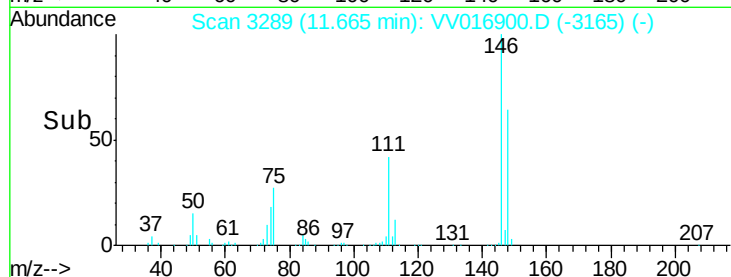
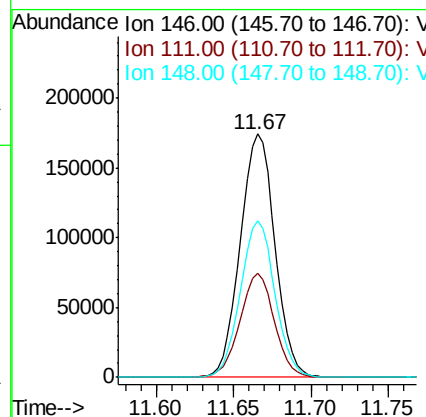
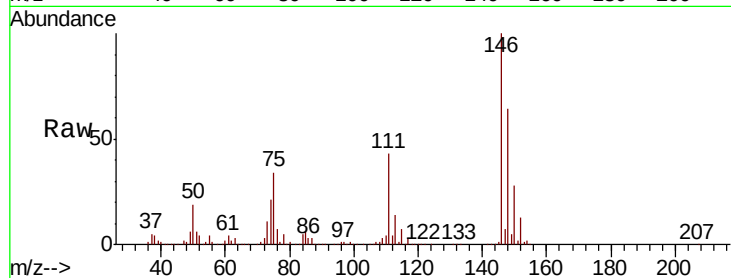




#65
 1,2-Dichlorobenzene
 Concen: 50.862 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

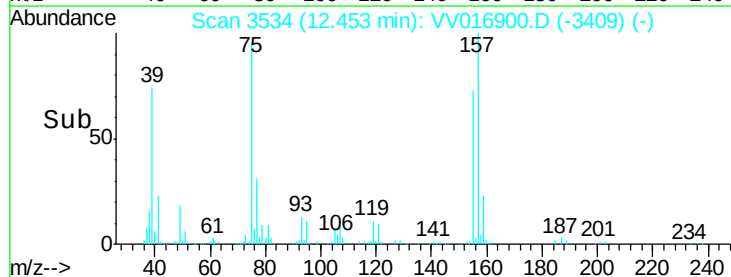
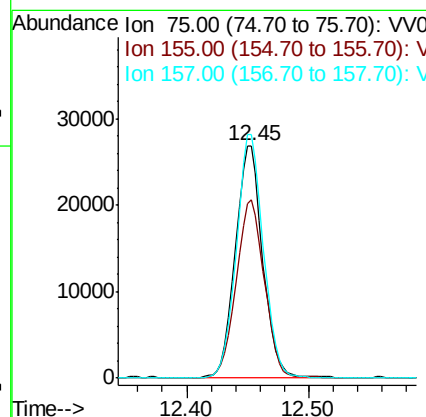
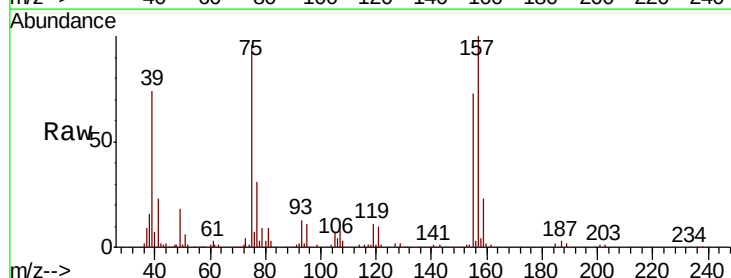
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

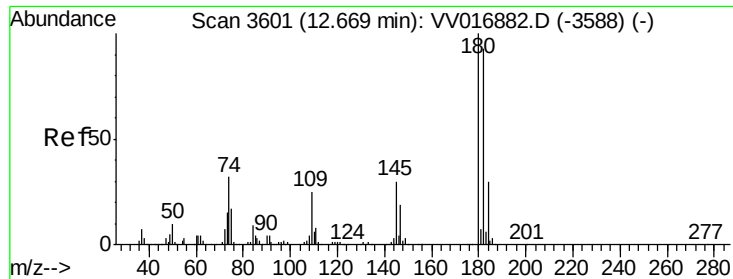
Tot Ion:146 Resp: 271938
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.7 50.5
 148 64.2 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.027 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

Tgt Ion: 75 Resp: 42057
 Ion Ratio Lower Upper
 75 100
 155 76.7 69.8 104.6
 157 104.5 83.4 125.2

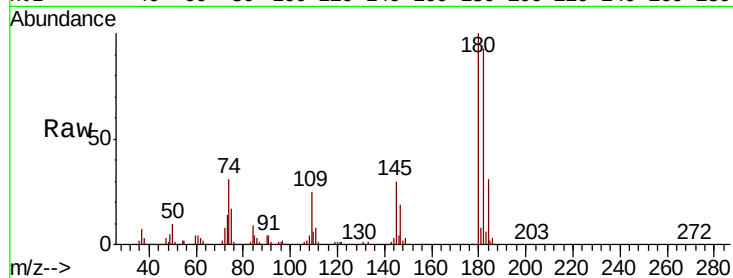




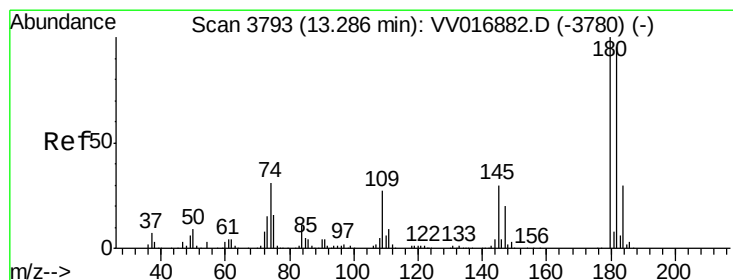
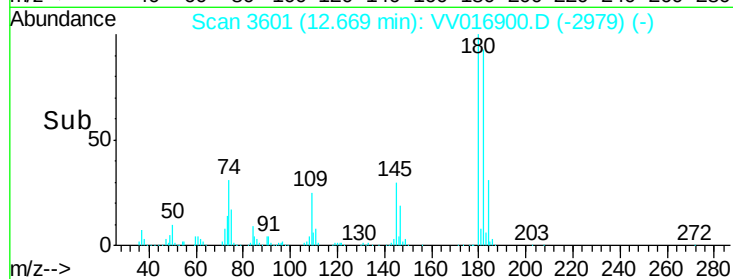
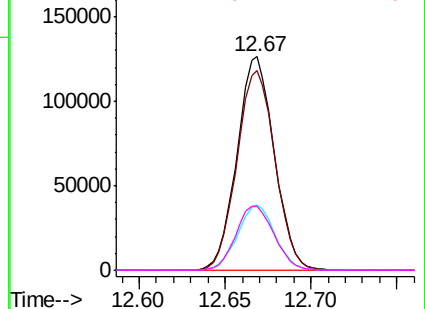
#67
 1,3,5-Trichlorobenzene
 Concen: 47.814 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Tot Ion:180	Resp:	190222
Ion	Ratio	Lower Upper
180	100	
182	95.6	75.0 112.6
184	30.6	24.5 36.7
145	30.9	24.4 36.6

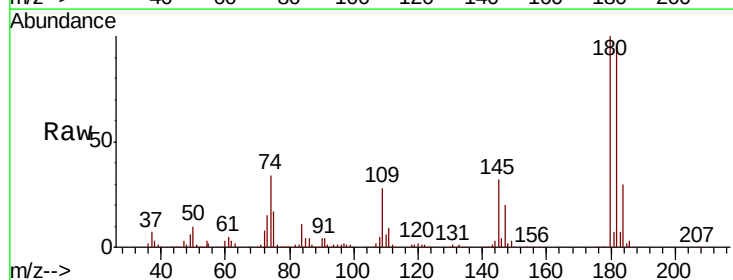


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

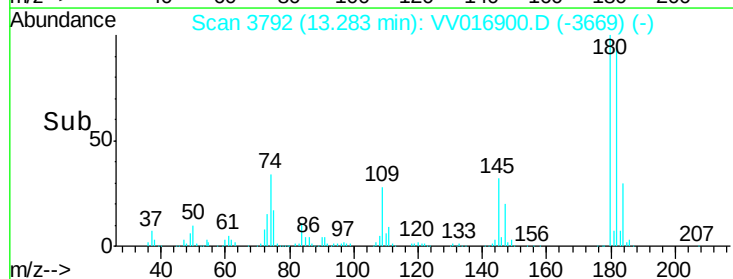
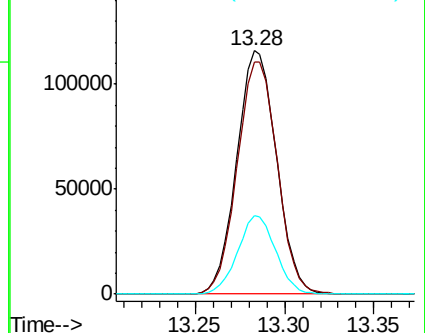


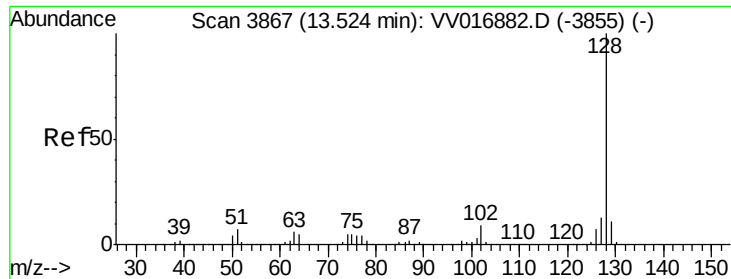
#68
 1,2,4-trichlorobenzene
 Concen: 49.243 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016900.D
 Acq: 13 Jun 2020 00:08

Tgt Ion:180	Resp:	179692
Ion	Ratio	Lower Upper
180	100	
182	96.0	76.9 115.3
145	30.9	25.2 37.8



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





#69

Naphthalene

Concen: 52.936 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

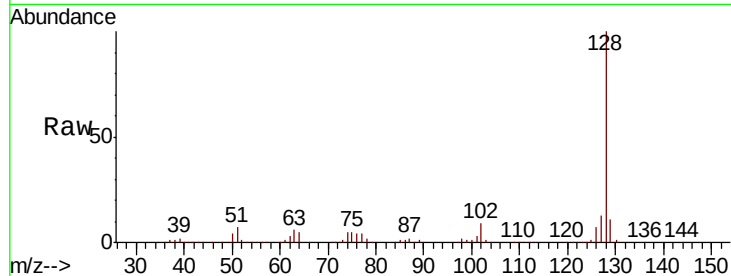
Tot Ion:128 Resp: 555646

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

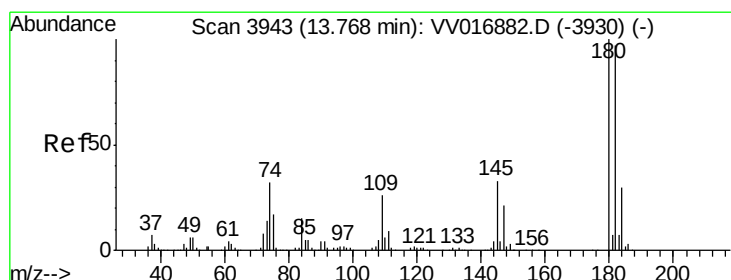
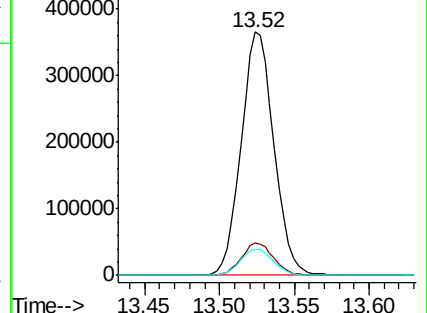
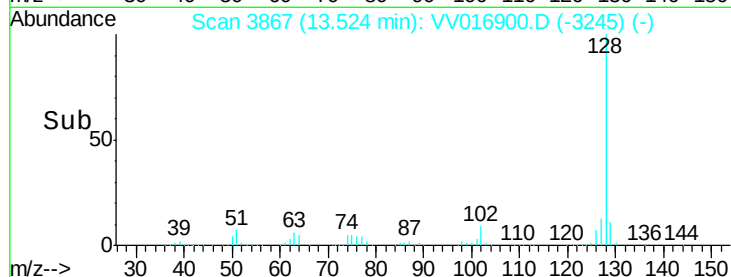
129 10.9 8.7 13.1



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: 51.485 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016900.D

Acq: 13 Jun 2020 00:08

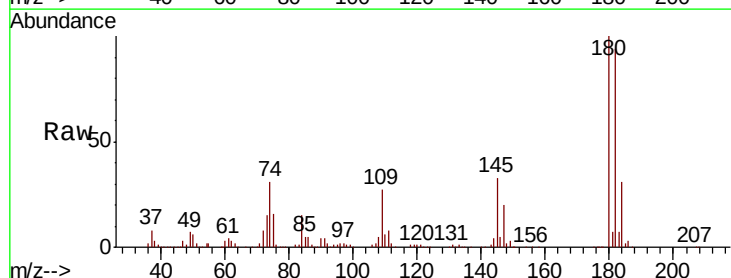
Tgt Ion:180 Resp: 183826

Ion Ratio Lower Upper

180 100

182 94.7 76.5 114.7

145 33.4 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

