

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016882.D
 Acq On : 12 Jun 2020 16:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Quant Time: Jun 13 01:43:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 13 01:34:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	354648	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	342701	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	182906	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	99658	39.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.64%
7) Chloroethane-d5	1.57	69	75707	50.42	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.84%
11) 1,1-Dichloroethene-d2	2.12	63	191709	45.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.24%
21) 2-Butanone-d5	3.89	46	183113	98.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.86%
24) Chloroform-d	4.37	84	248216	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.05	65	171318	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
32) Benzene-d6	5.07	84	452098	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
36) 1,2-Dichloropropane-d6	6.09	67	141138	45.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.66%
41) Toluene-d8	7.33	98	423207	46.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.36%
43) trans-1,3-Dichloropropene-	7.64	79	76542	47.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.46%
47) 2-Hexanone-d5	8.11	63	123321	91.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.86%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	193673	47.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	184606	47.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	143144	50.910	ug/L 100
3) Chloromethane	1.25	50	127179	49.461	ug/L 99
5) Vinyl chloride	1.32	62	113376	44.838	ug/L 99
6) Bromomethane	1.52	94	64293	61.050	ug/L 96
8) Chloroethane	1.59	64	64493	51.635	ug/L 95
9) Trichlorofluoromethane	1.76	101	190652	50.385	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	92839	49.237	ug/L 99
12) 1,1-Dichloroethene	2.13	96	83343	47.349	ug/L 96
13) Acetone	2.17	43	100236	82.137	ug/L 99
14) Carbon disulfide	2.31	76	290359	45.560	ug/L 100
15) Methyl Acetate	2.44	43	129972	47.784	ug/L 99
16) Methylene chloride	2.52	84	126172	48.848	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	113048	47.104	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	396637	49.877	ug/L 100
19) 1,1-Dichloroethane	3.21	63	218921	48.460	ug/L 99
22) 2-Butanone	3.97	43	179616	95.445	ug/L 98
23) Bromochloromethane	4.27	128	68969	50.040	ug/L 98

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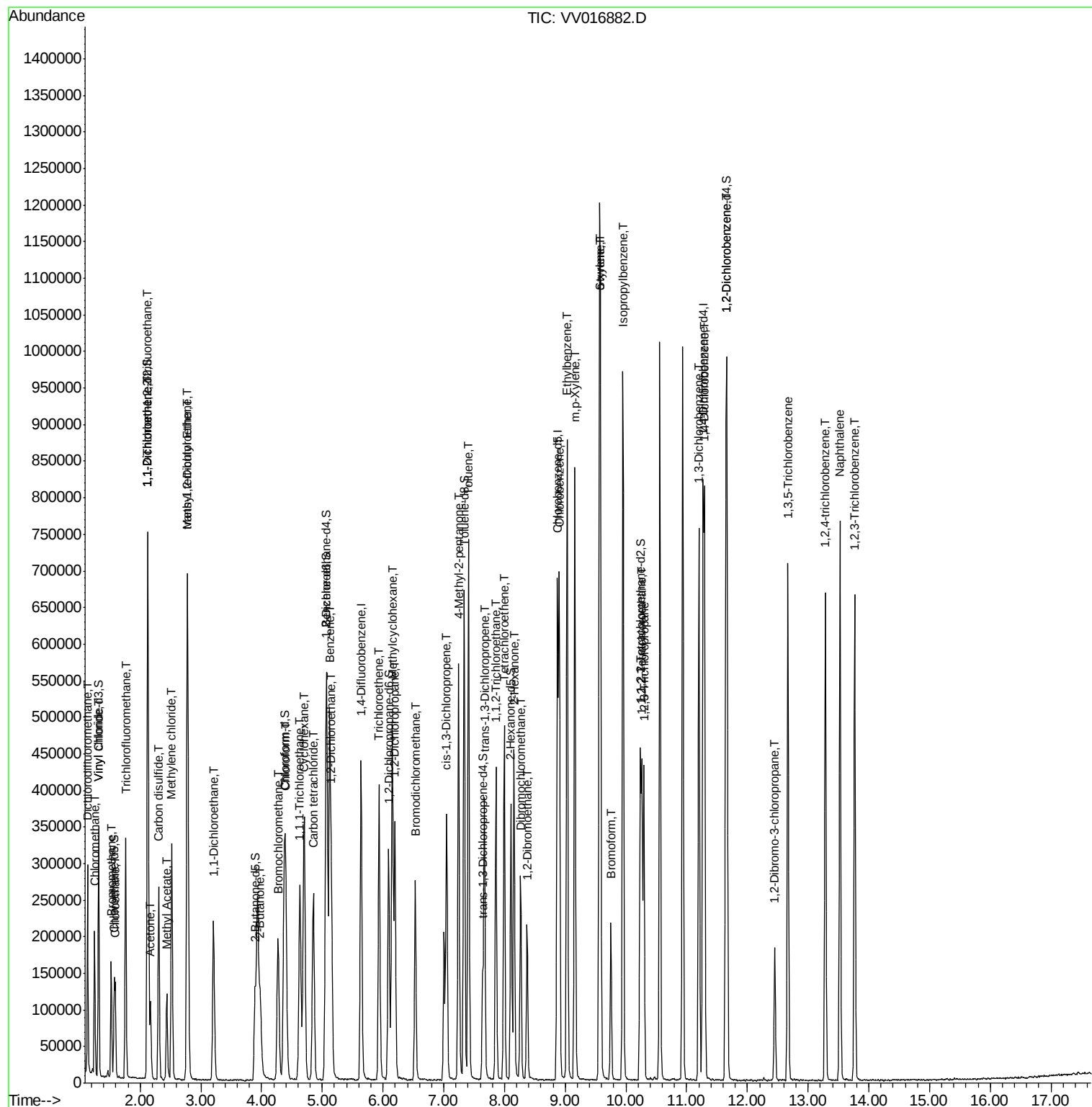
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	235286	50.679	ug/L	99
27) 1,2-Dichloroethane	5.15	62	197423	50.727	ug/L	100
29) Cyclohexane	4.70	56	193405	45.415	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	214861	49.162	ug/L	98
31) Carbon tetrachloride	4.85	117	190728	50.446	ug/L	98
33) Benzene	5.12	78	473665	46.715	ug/L	100
34) Trichloroethene	5.94	95	130990	48.169	ug/L	98
35) Methylcyclohexane	6.15	83	198598	46.552	ug/L	98
37) 1,2-Dichloropropane	6.20	63	123587	46.869	ug/L	99
38) Bromodichloromethane	6.53	83	169806	48.375	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	197383	48.190	ug/L	97
40) 4-Methyl-2-pentanone	7.24	43	362085	96.905	ug/L	99
42) Toluene	7.41	91	510978	47.804	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	199020	49.979	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	123373	48.496	ug/L	98
46) Tetrachloroethene	8.00	164	104562	48.890	ug/L	99
48) 2-Hexanone	8.15	43	277711	95.857	ug/L	97
49) Dibromochloromethane	8.27	129	133156	48.953	ug/L	99
50) 1,2-Dibromoethane	8.37	107	128961	48.408	ug/L	99
51) Chlorobenzene	8.90	112	336142	48.201	ug/L	99
52) Ethylbenzene	9.03	91	584297	49.352	ug/L	99
53) m,p-Xylene	9.16	106	221586	50.267	ug/L	99
54) o-xylene	9.56	106	216625	49.826	ug/L	97
55) Styrene	9.58	104	375757	51.120	ug/L	97
56) Isopropylbenzene	9.95	105	591893	50.667	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	182693	46.838	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	159129	48.639	ug/L	99
61) Bromoform	9.75	173	89707	47.682	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	279534	48.252	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	281723	47.795	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	282909	48.730	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	41805	45.794	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	208277	48.213	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	190779	48.147	ug/L	99
69) Naphthalene	13.52	128	564427	49.520	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	189034	48.757	ug/L	99

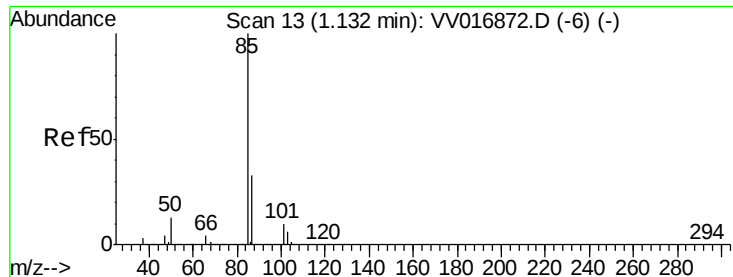
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.910 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

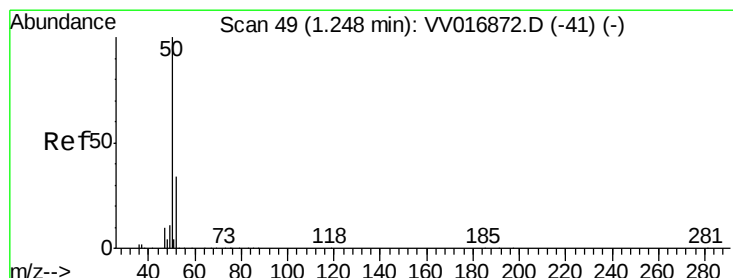
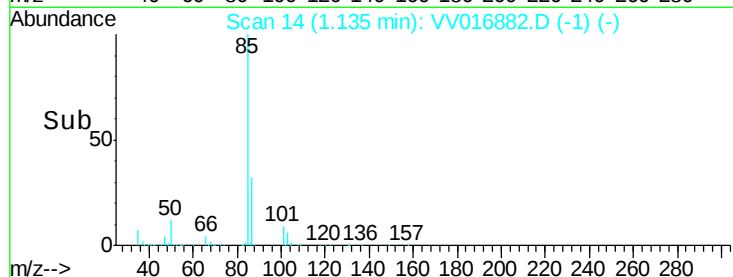
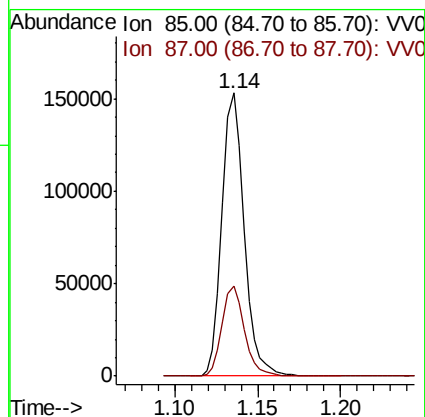
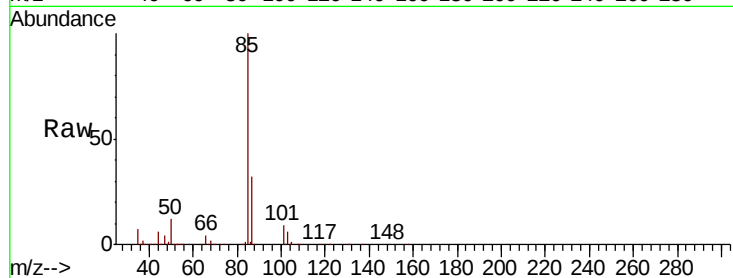
VSTD05087

Tot Ion: 85 Resp: 143144

Ion Ratio Lower Upper

85 100

87 32.2 25.6 38.4



#3

Chloromethane

Concen: 49.461 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016882.D

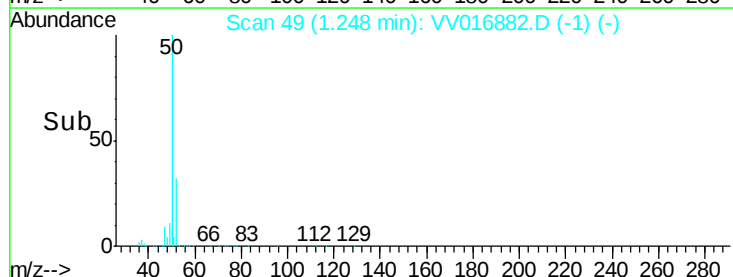
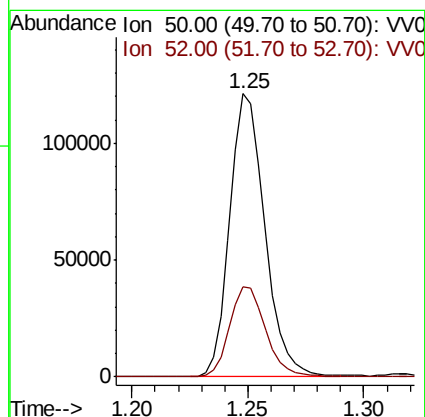
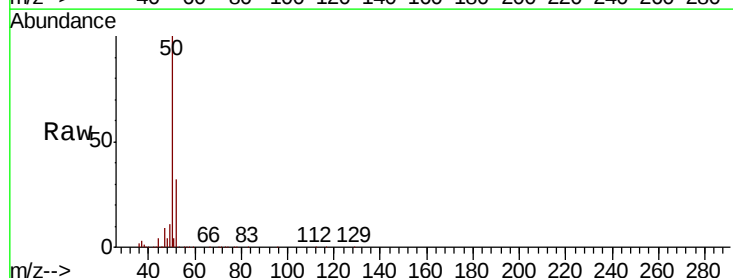
Acq: 12 Jun 2020 16:33

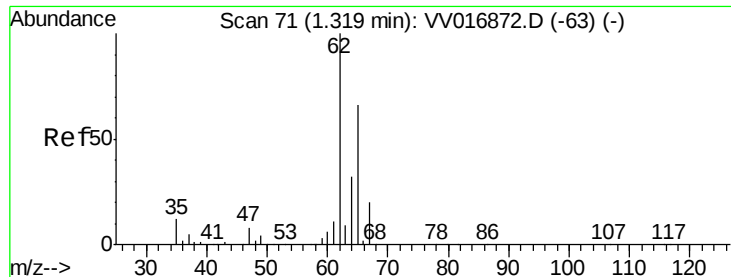
Tgt Ion: 50 Resp: 127179

Ion Ratio Lower Upper

50 100

52 31.8 22.5 41.7





#5

Vinyl chloride

Concen: 44.838 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

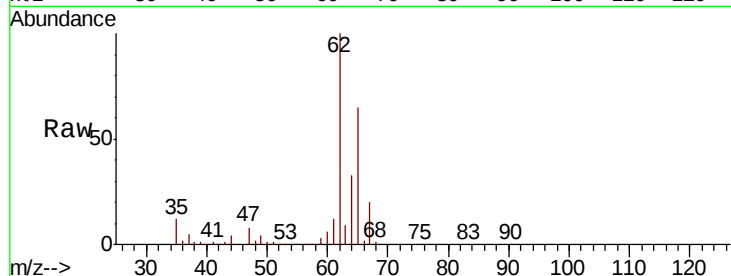
VSTD05087

Tot Ion: 62 Resp: 113376

Ion Ratio Lower Upper

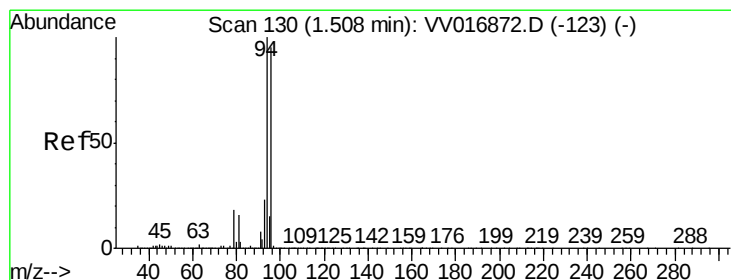
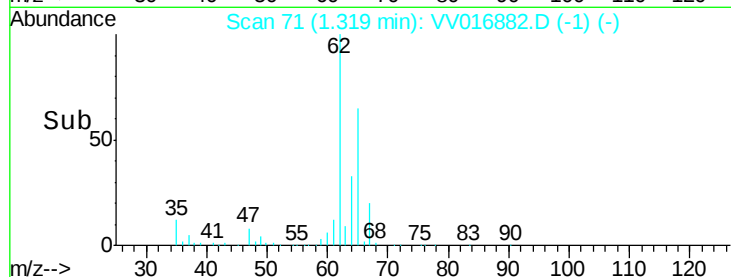
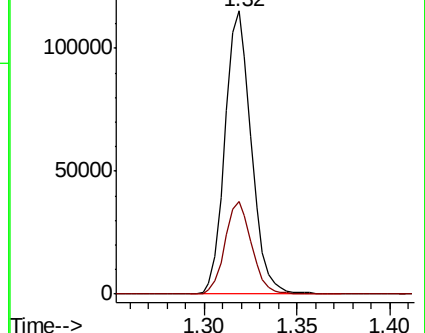
62 100

64 32.7 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV016882.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VV016882.D (-1) (-)



#6

Bromomethane

Concen: 61.050 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.02 min

Lab File: VV016882.D

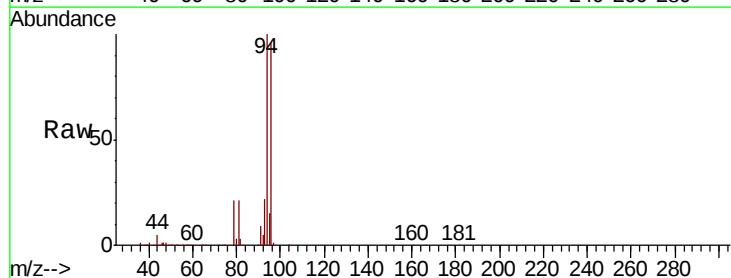
Acq: 12 Jun 2020 16:33

Tgt Ion: 94 Resp: 64293

Ion Ratio Lower Upper

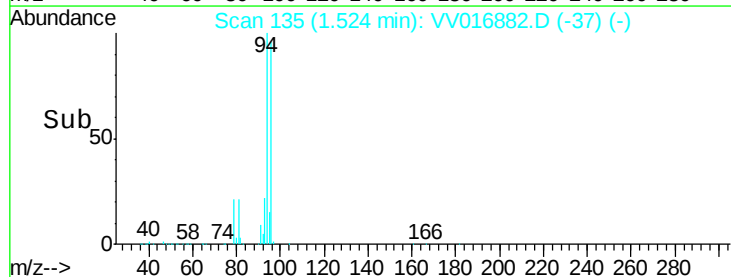
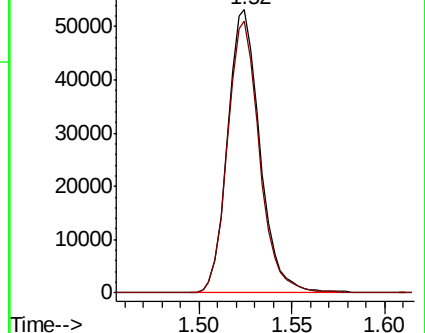
94 100

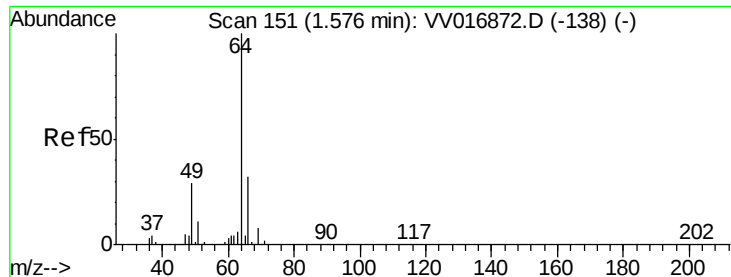
96 96.0 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV016882.D (-37) (-)

Ion 96.00 (95.70 to 96.70): VV016882.D (-37) (-)





#8

Chloroethane

Concen: 51.635 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.01 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

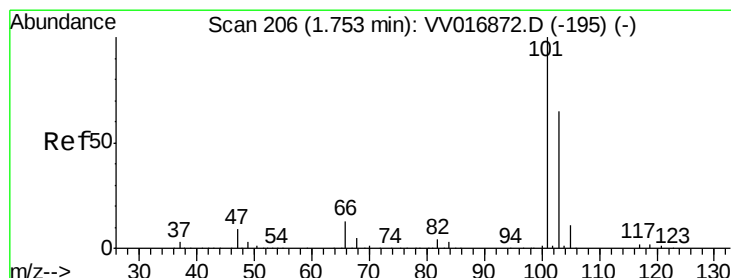
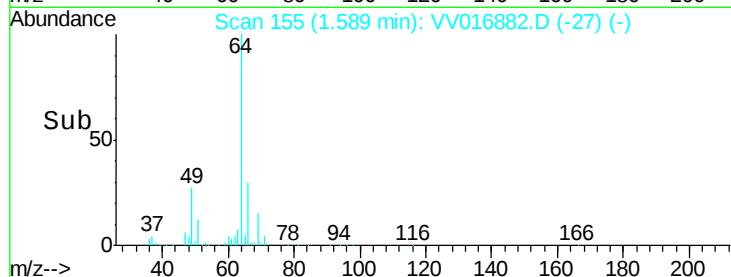
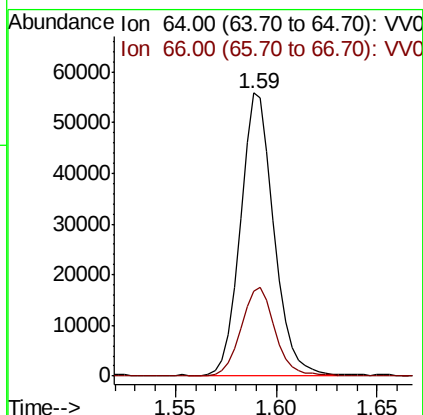
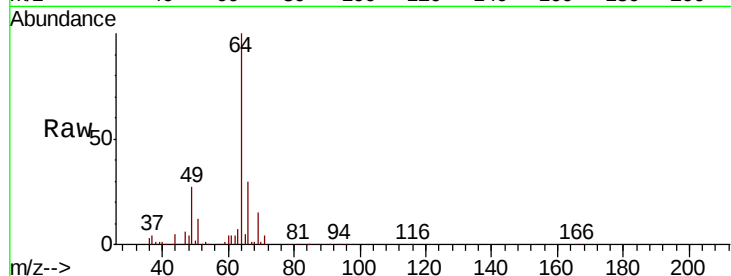
VSTD05087

Tot Ion: 64 Resp: 64493

Ion Ratio Lower Upper

64 100

66 30.1 23.2 43.0



#9

Trichlorofluoromethane

Concen: 50.385 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.01 min

Lab File: VV016882.D

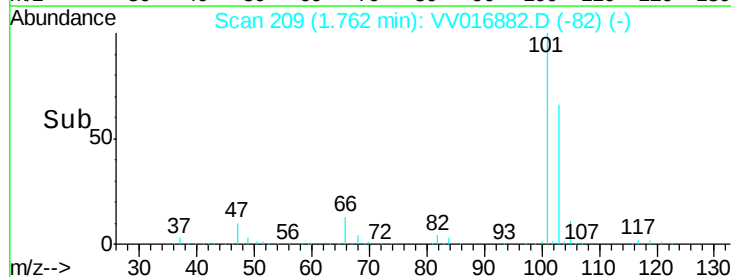
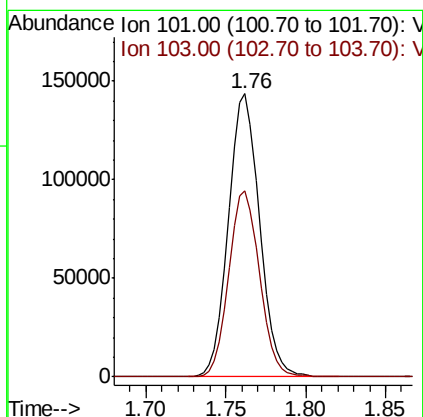
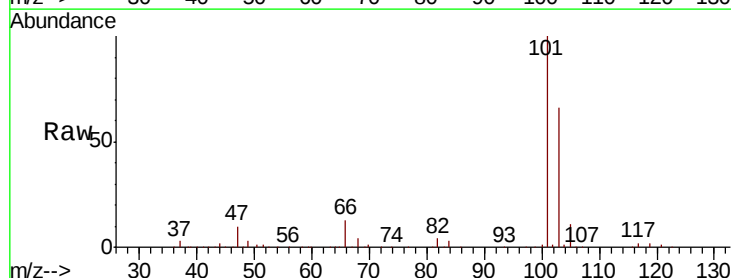
Acq: 12 Jun 2020 16:33

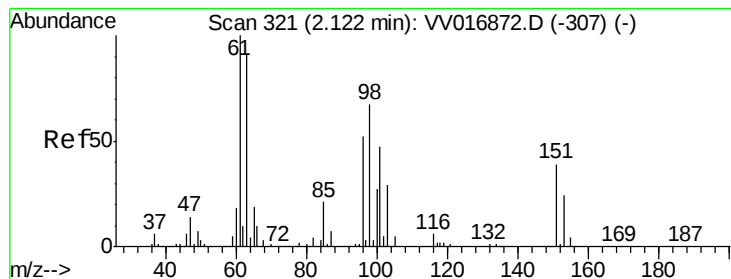
Tgt Ion: 101 Resp: 190652

Ion Ratio Lower Upper

101 100

103 64.8 51.3 76.9





#10

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

Concen: 49.237 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.01 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

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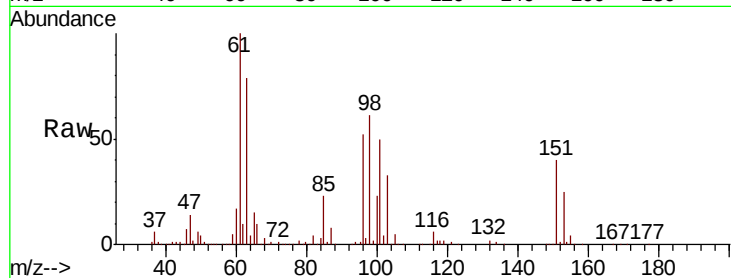
Tot Ion:101 Resp: 92839

Ion Ratio Lower Upper

101 100

85 46.0 35.5 53.3

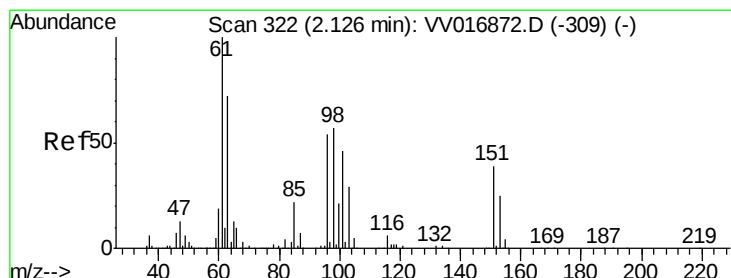
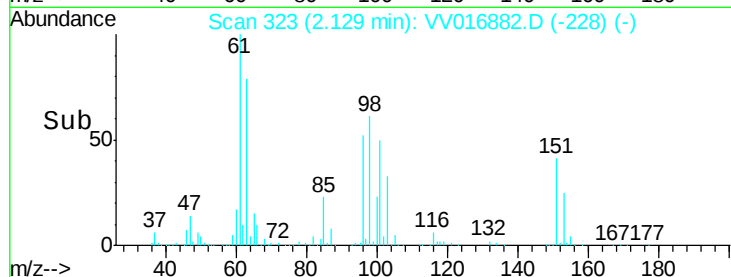
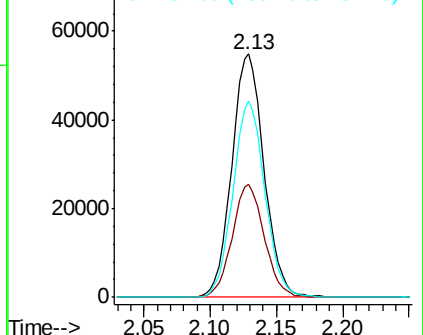
151 79.6 63.9 95.9



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: 47.349 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

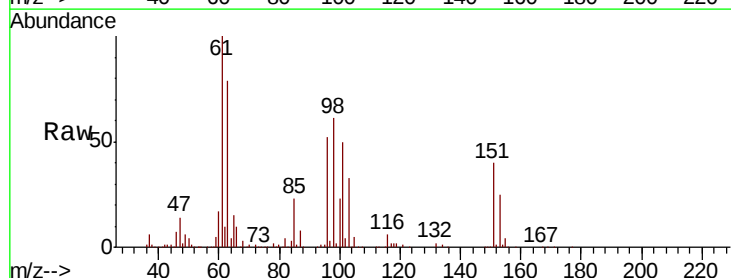
Tgt Ion: 96 Resp: 83343

Ion Ratio Lower Upper

96 100

61 192.4 130.4 242.2

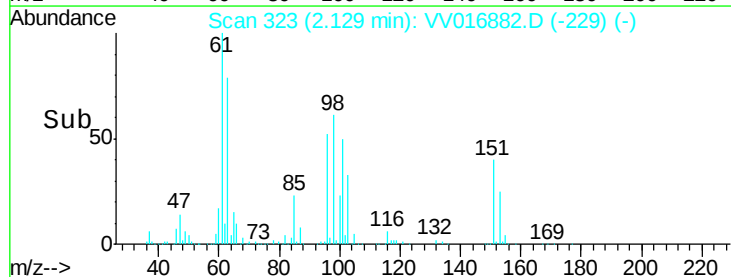
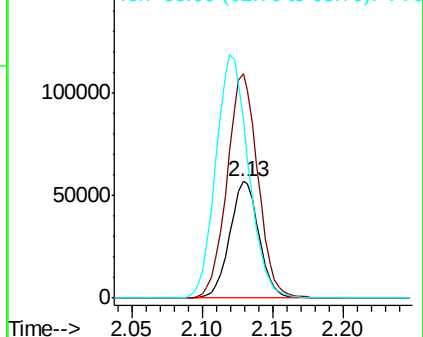
63 152.3 103.3 191.9

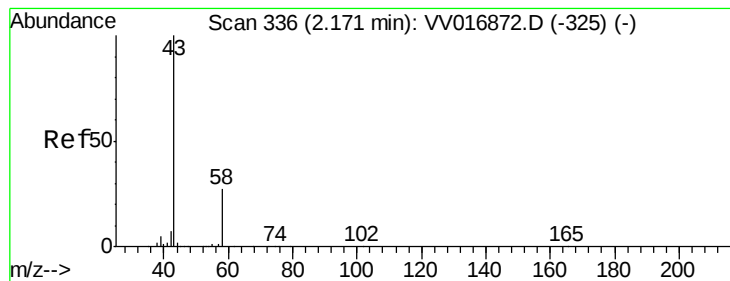


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 82.137 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

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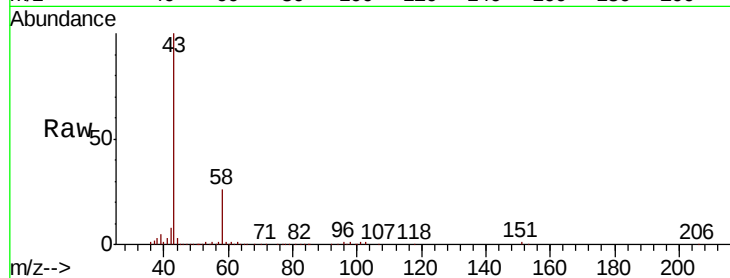
VSTD05087

Tot Ion: 43 Resp: 100236

Ion Ratio Lower Upper

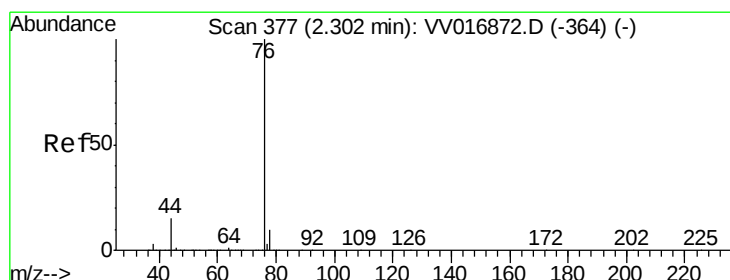
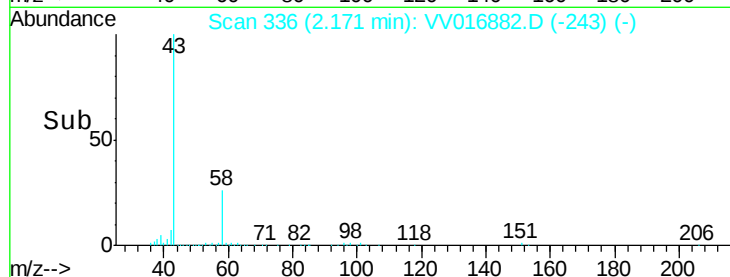
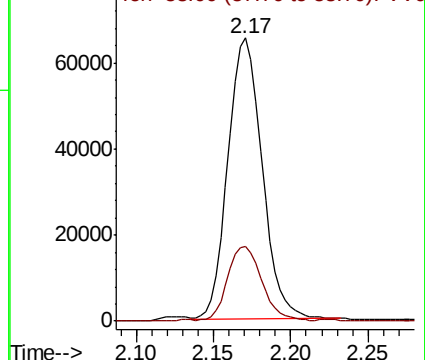
43 100

58 26.9 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016882.D (-243) (-)

Ion 58.00 (57.70 to 58.70): VV016882.D (-243) (-)



#14

Carbon disulfide

Concen: 45.560 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV016882.D

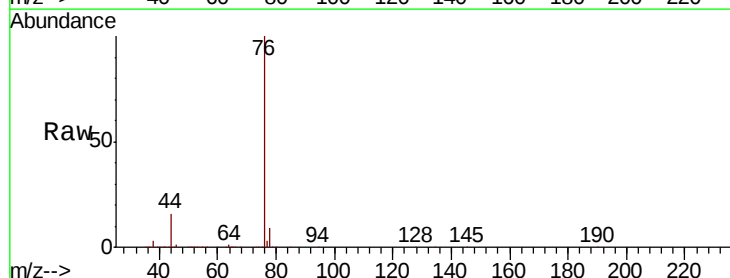
Acq: 12 Jun 2020 16:33

Tgt Ion: 76 Resp: 290359

Ion Ratio Lower Upper

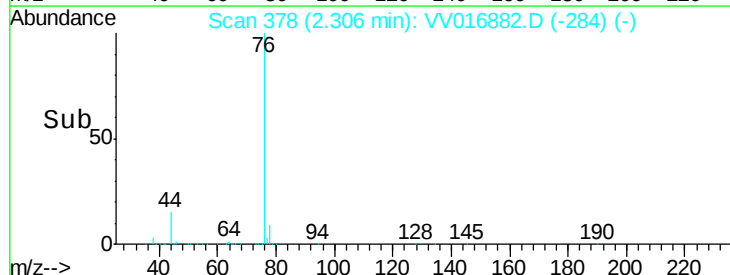
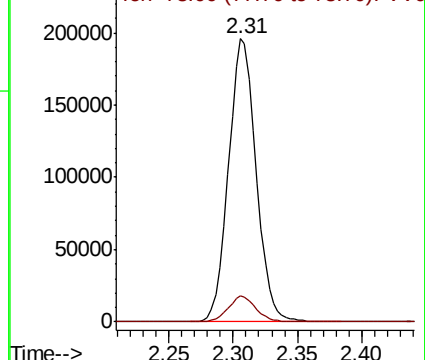
76 100

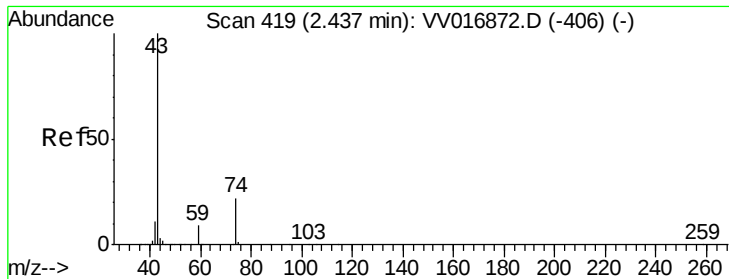
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016882.D (-284) (-)

Ion 78.00 (77.70 to 78.70): VV016882.D (-284) (-)

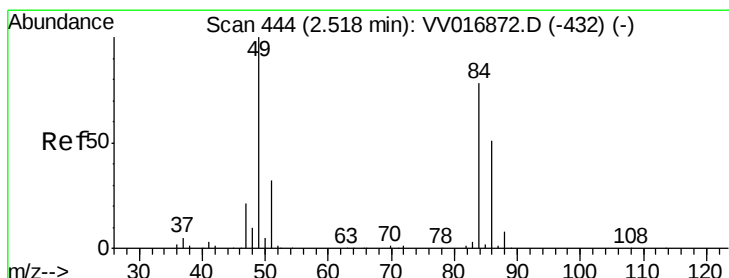
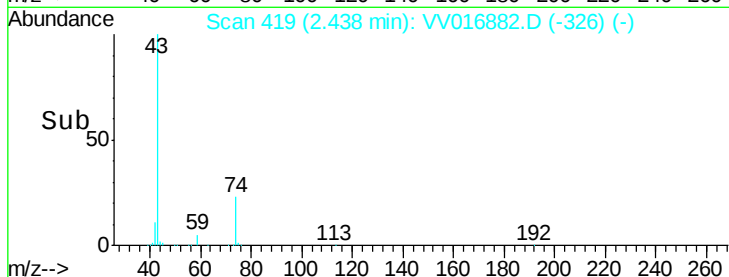
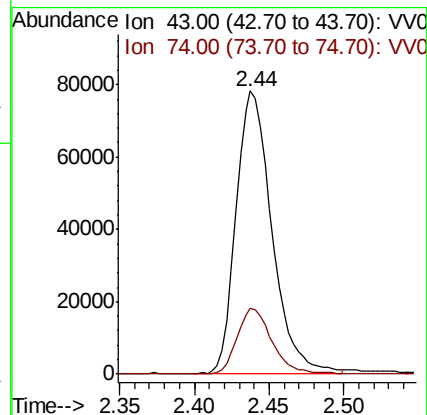
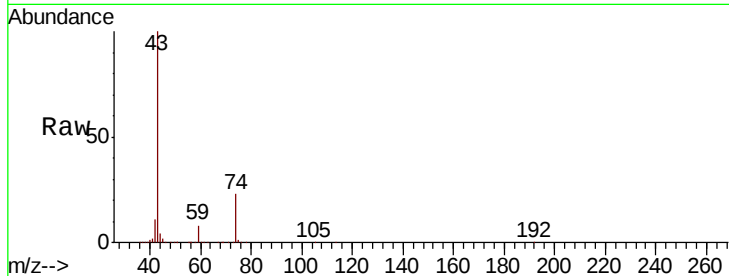




#15
Methvl Acetate
Concen: 47.784 ug/L
RT: 2.44 min Scan# 419
Delta R.T. 0.00 min
Lab File: VV016882.D
Acq: 12 Jun 2020 16:33

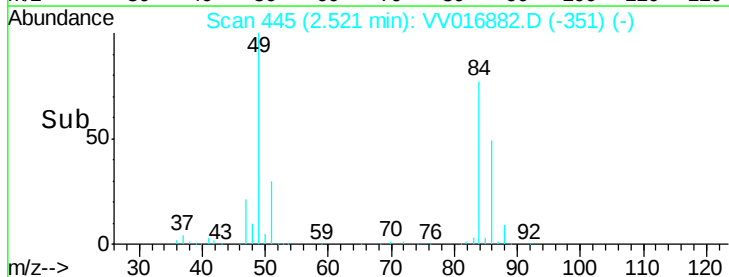
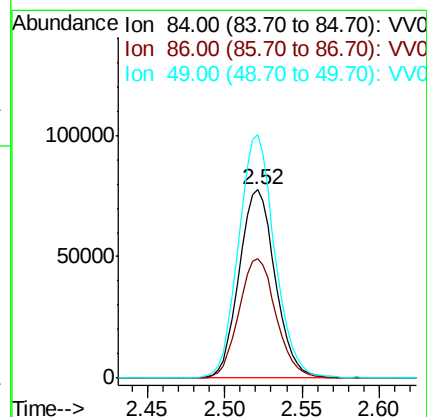
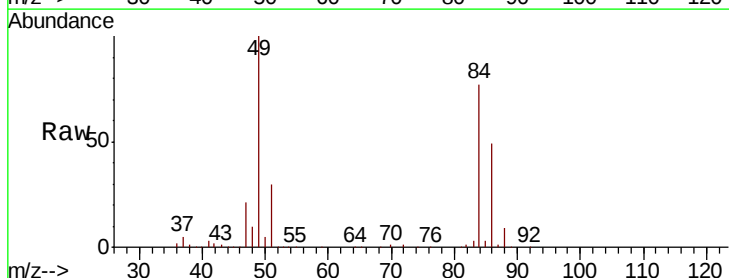
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

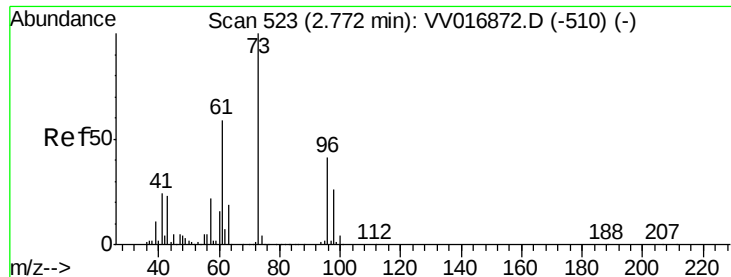
Tot Ion: 43 Resp: 129972
Ion Ratio Lower Upper
43 100
74 22.9 17.9 26.9



#16
Methylene chloride
Concen: 48.848 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016882.D
Acq: 12 Jun 2020 16:33

Tgt Ion: 84 Resp: 126172
Ion Ratio Lower Upper
84 100
86 63.9 44.0 81.8
49 129.5 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 47.104 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

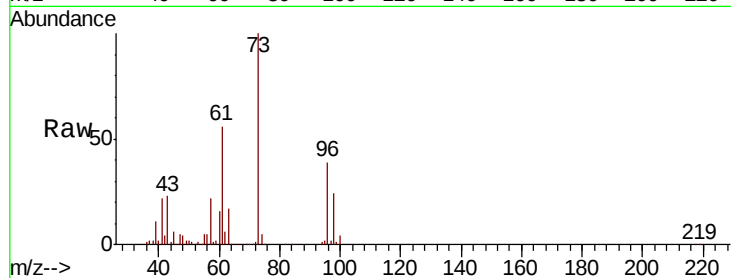
Tot Ion: 96 Resp: 113048

Ion Ratio Lower Upper

96 100

61 144.8 102.9 191.1

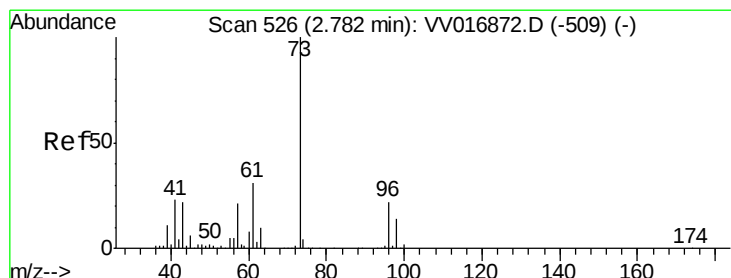
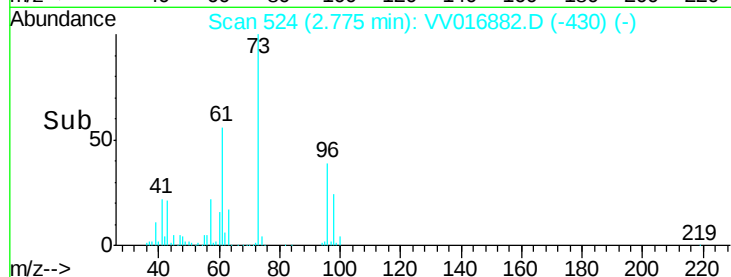
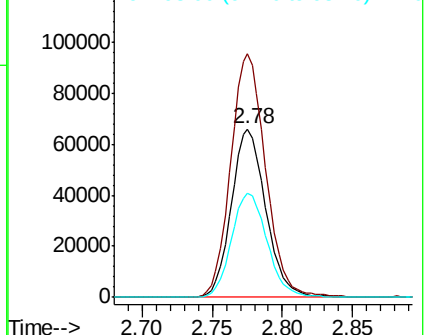
98 61.8 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.877 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

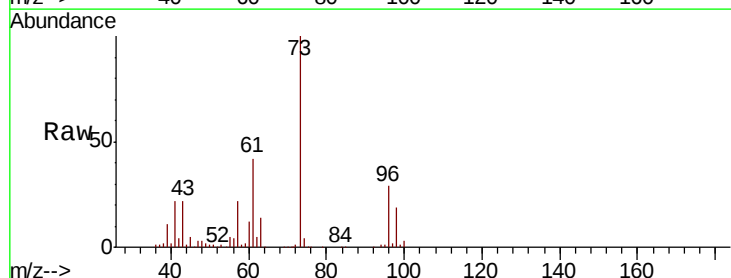
Tgt Ion: 73 Resp: 396637

Ion Ratio Lower Upper

73 100

43 22.2 17.8 26.6

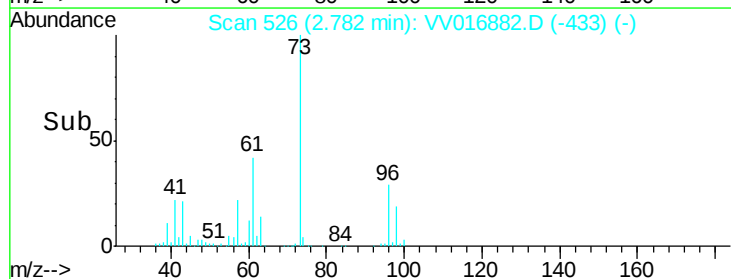
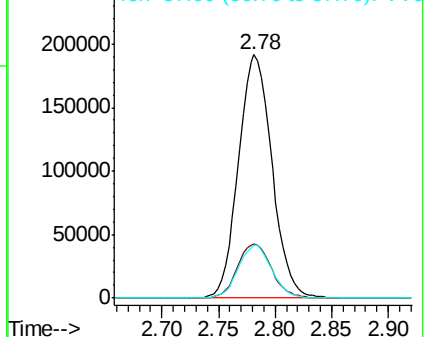
57 21.7 17.7 26.5

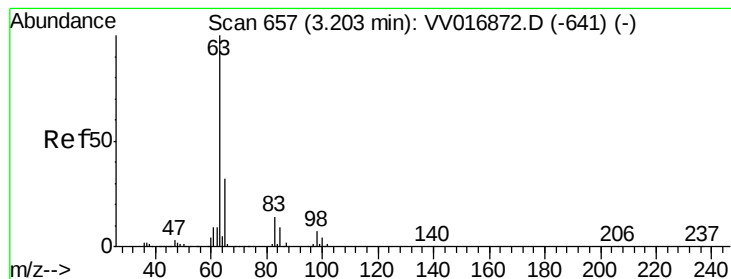


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.460 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.01 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

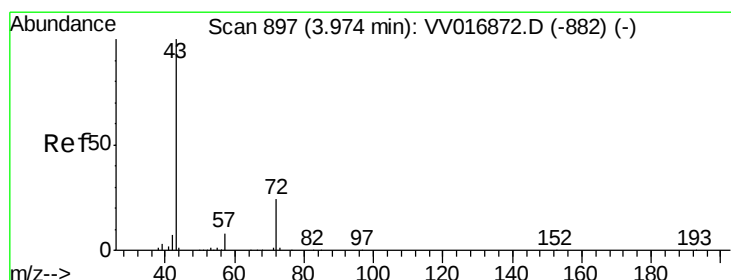
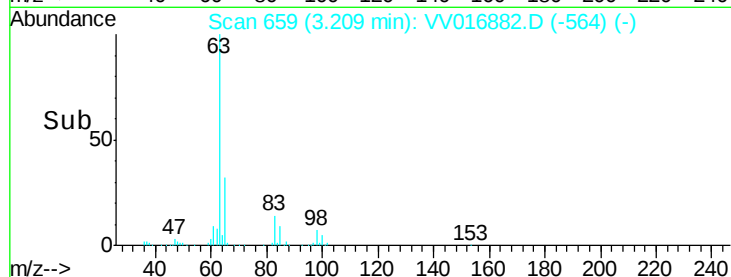
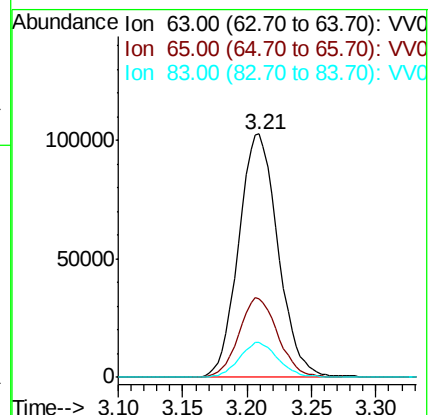
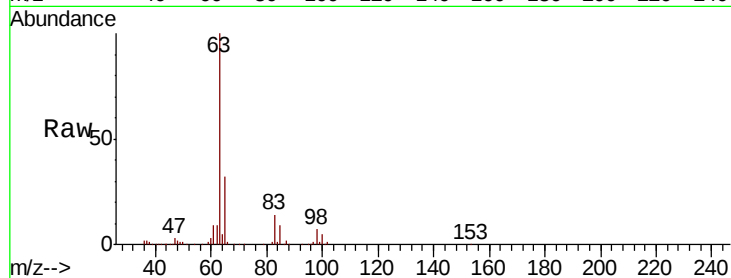
Tot Ion: 63 Resp: 218921

Ion Ratio Lower Upper

63 100

65 32.4 23.2 43.0

83 14.5 10.0 18.6



#22

2-Butanone

Concen: 95.445 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.00 min

Lab File: VV016882.D

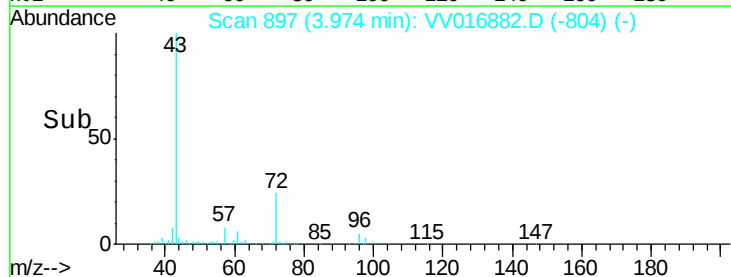
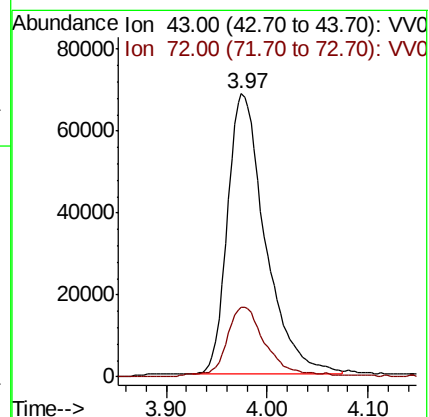
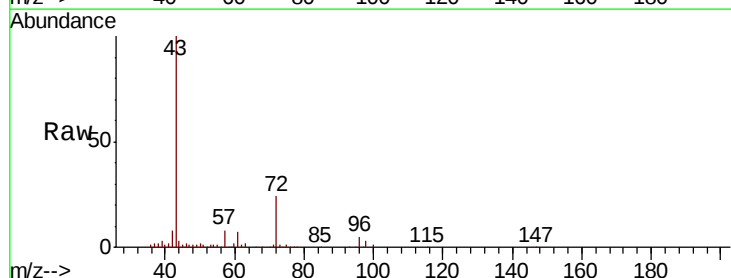
Acq: 12 Jun 2020 16:33

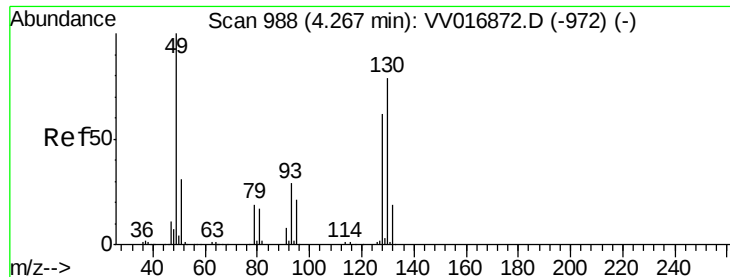
Tgt Ion: 43 Resp: 179616

Ion Ratio Lower Upper

43 100

72 25.7 12.4 37.4





#23

Bromochloromethane

Concen: 50.040 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

Tot Ion:128 Resp: 68969

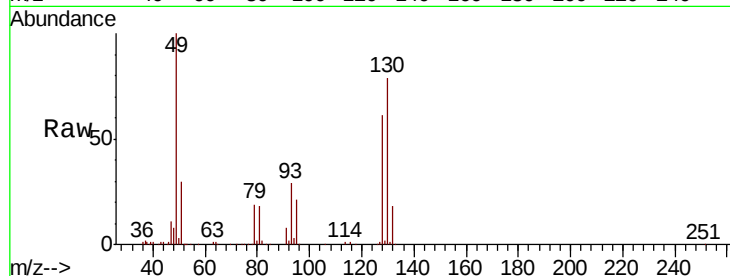
Ion Ratio Lower Upper

128 100

49 162.8 111.9 207.9

130 129.2 91.5 169.9

51 48.7 42.1 63.1

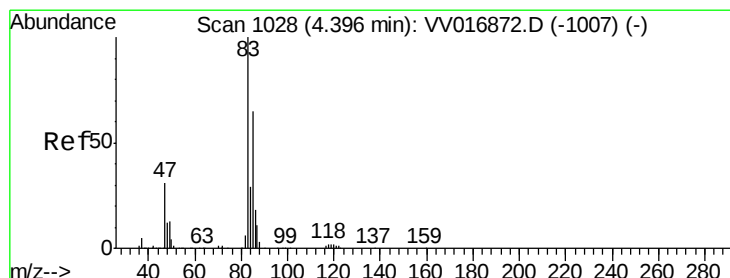
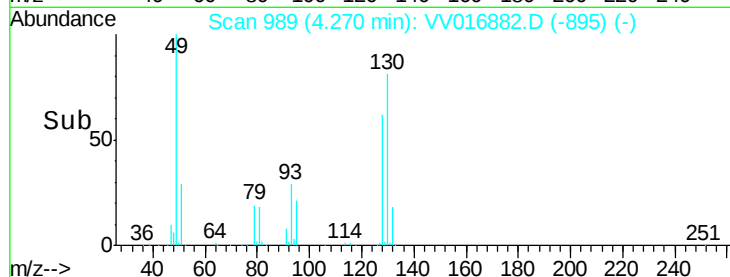
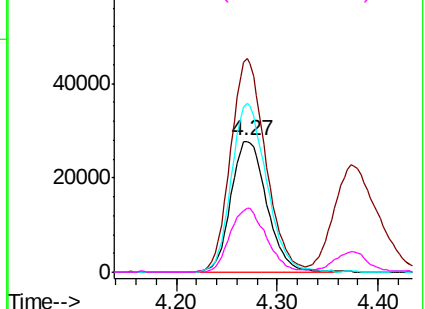


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 50.679 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VV016882.D

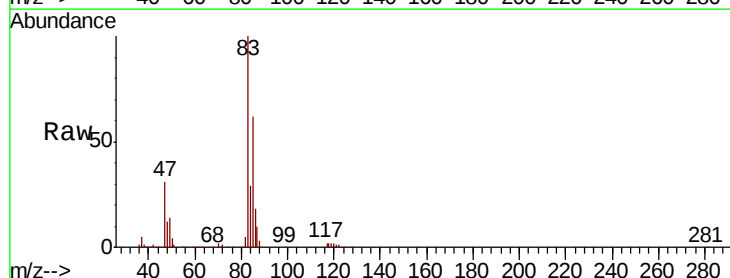
Acq: 12 Jun 2020 16:33

Tgt Ion: 83 Resp: 235286

Ion Ratio Lower Upper

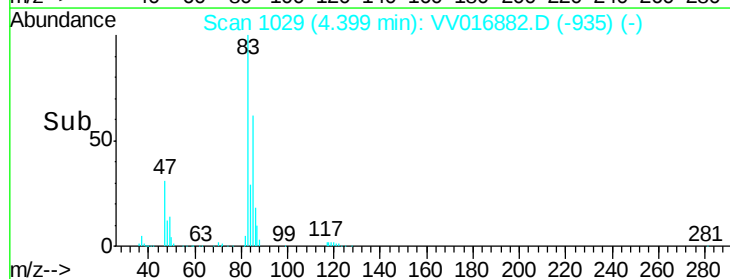
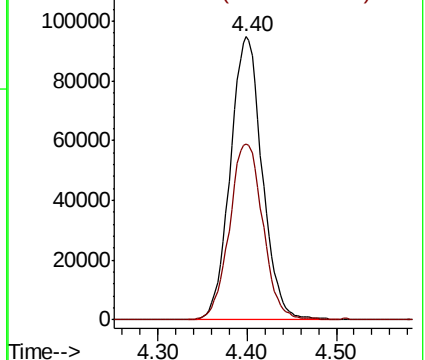
83 100

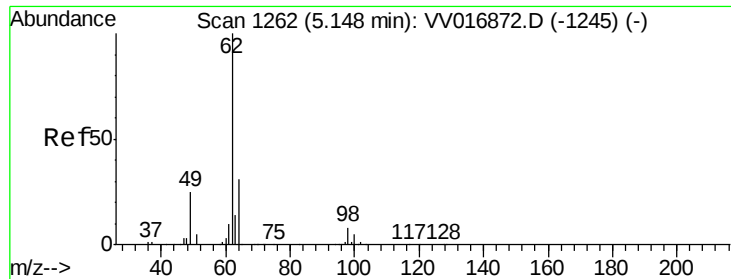
85 62.3 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 50.727 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

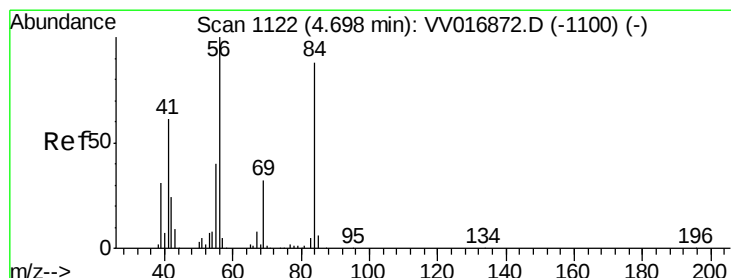
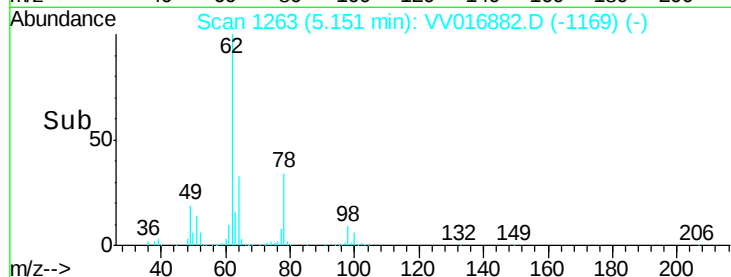
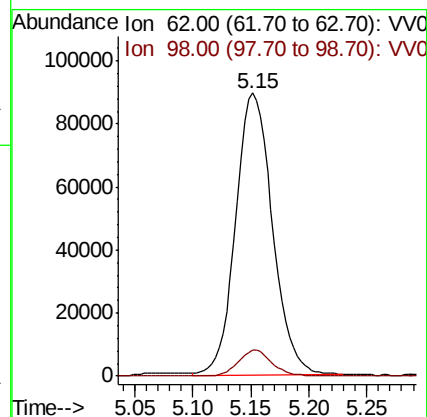
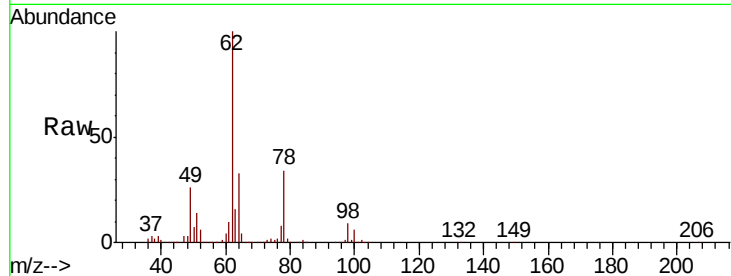
VSTD05087

Tot Ion: 62 Resp: 197423

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.2



#29

Cyclohexane

Concen: 45.415 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

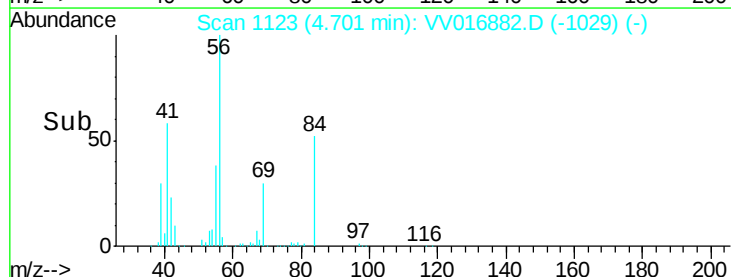
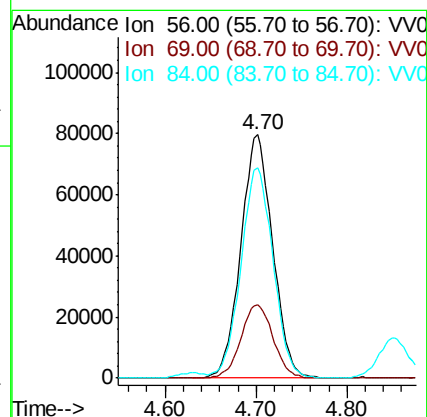
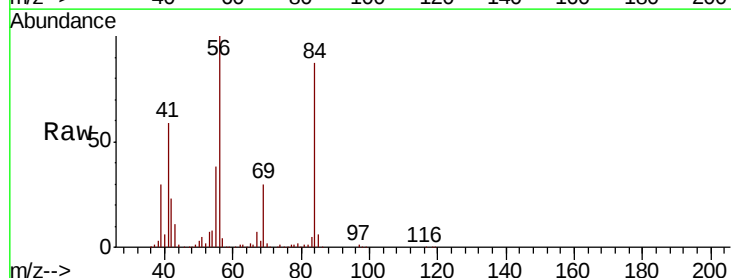
Tgt Ion: 56 Resp: 193405

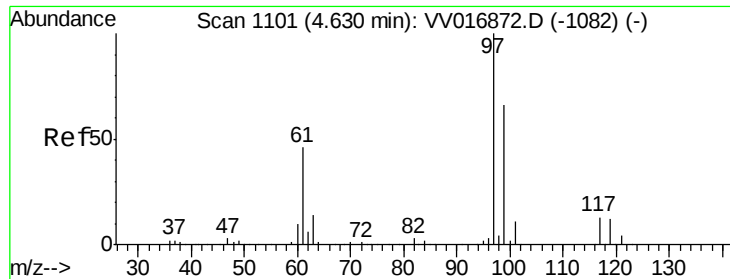
Ion Ratio Lower Upper

56 100

69 30.5 25.0 37.4

84 87.2 69.5 104.3

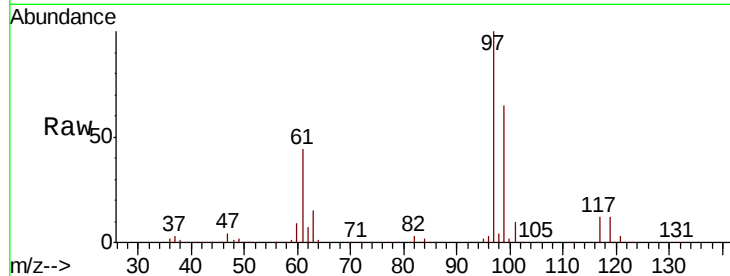




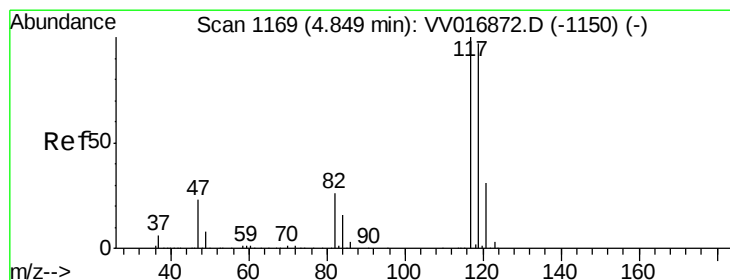
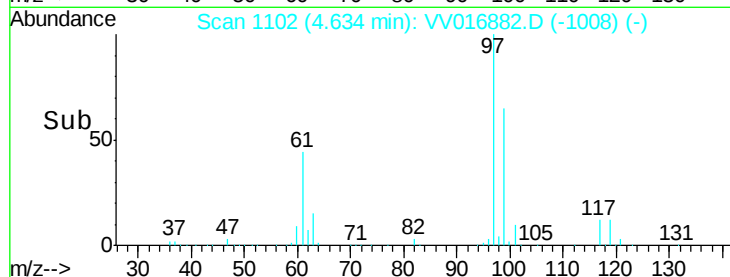
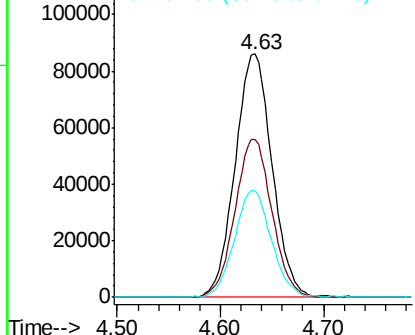
#30
 1,1,1-Trichloroethane
 Concen: 49.162 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV016882.D
 Acq: 12 Jun 2020 16:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tot Ion: 97 Resp: 214861
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.3 76.9
 61 43.7 36.7 55.1

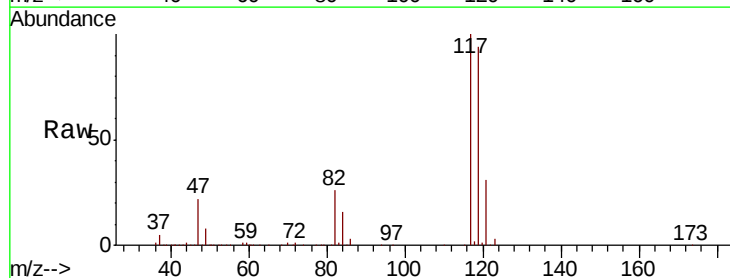


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

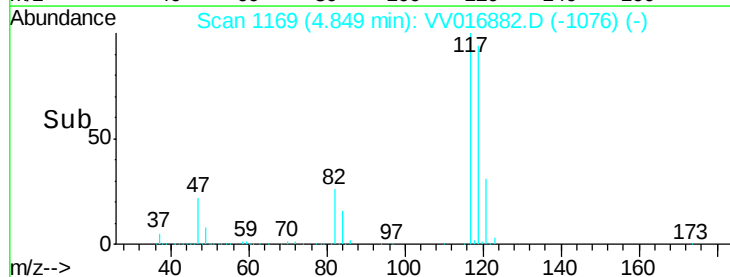
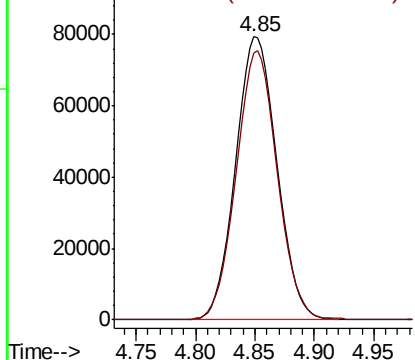


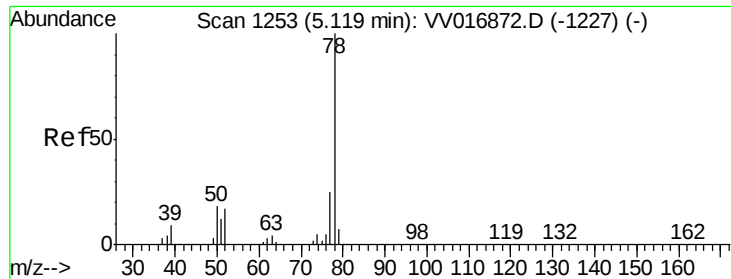
#31
 Carbon tetrachloride
 Concen: 50.446 ug/L
 RT: 4.85 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: VV016882.D
 Acq: 12 Jun 2020 16:33

Tgt Ion: 117 Resp: 190728
 Ion Ratio Lower Upper
 117 100
 119 94.5 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 46.715 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

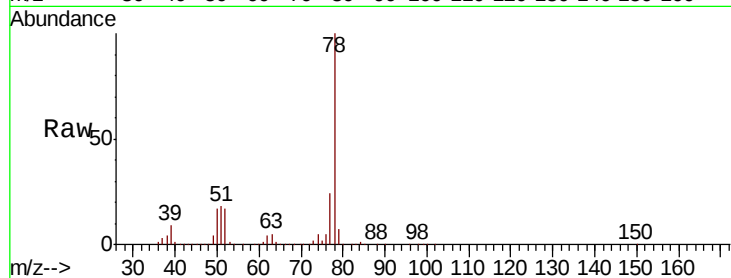
Instrument :

MSVOA_V

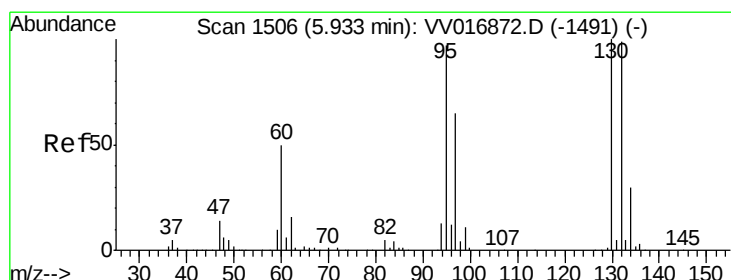
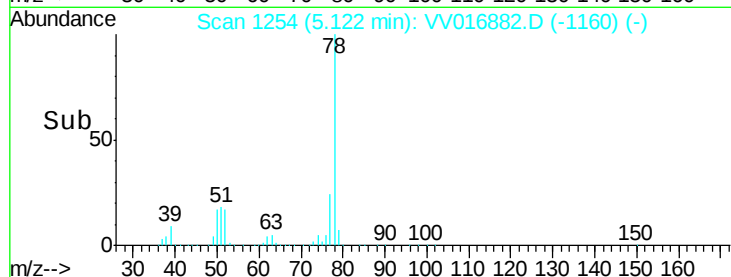
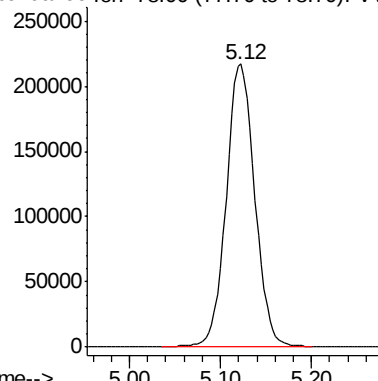
ClientSampleId :

VSTD05087

Tgt Ion: 78 Resp: 473665



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 48.169 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Tgt Ion: 95 Resp: 130990

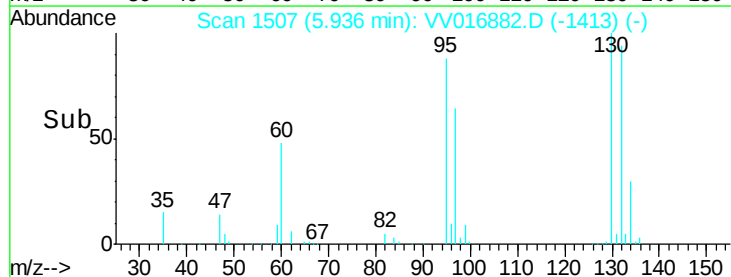
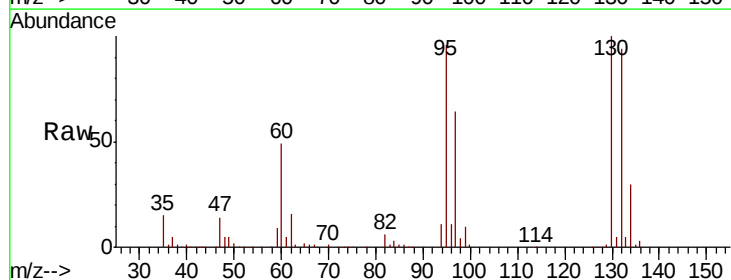
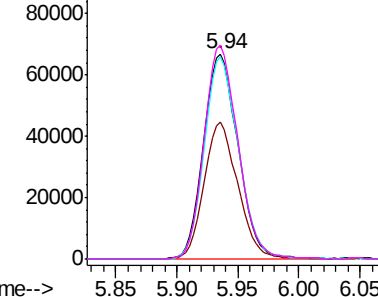
Ion	Ratio	Lower	Upper
95	100		
97	67.0	44.3	82.3
132	98.5	67.9	126.1
130	104.3	72.2	134.2

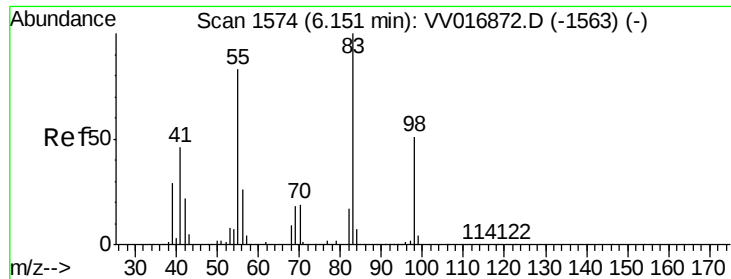
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

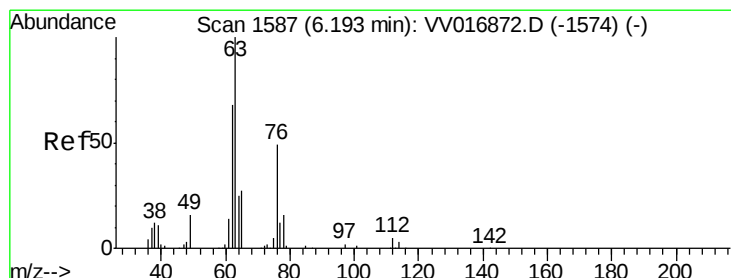
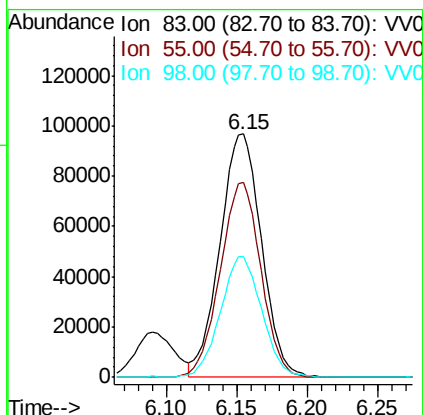
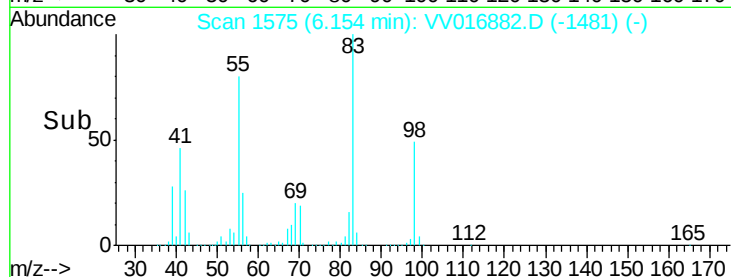
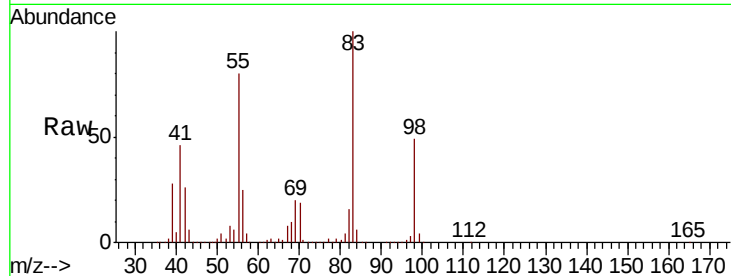




#35
Methvlcvclohexane
Concen: 46.552 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV016882.D
Acq: 12 Jun 2020 16:33

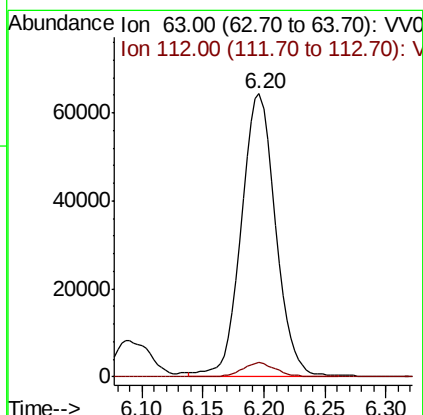
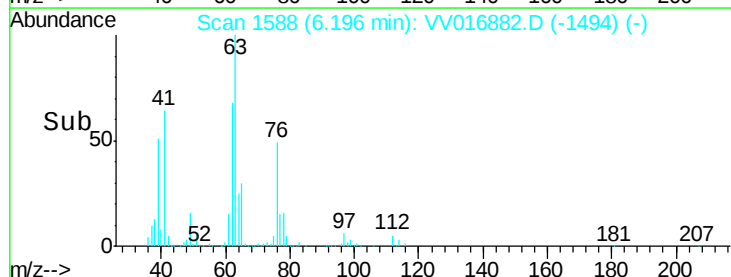
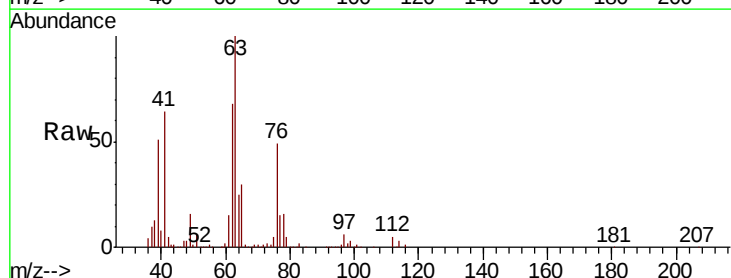
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

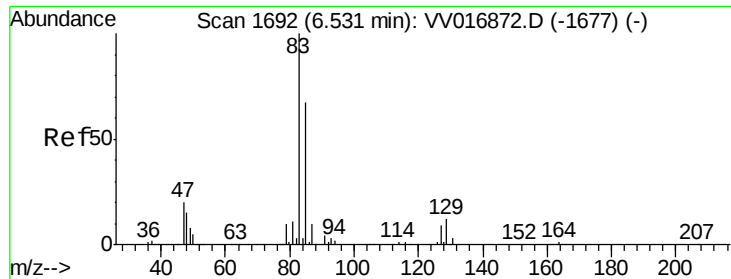
Tot Ion: 83 Resp: 198598
Ion Ratio Lower Upper
83 100
55 78.5 64.2 96.2
98 49.5 40.3 60.5



#37
1,2-Dichloropropane
Concen: 46.869 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VV016882.D
Acq: 12 Jun 2020 16:33

Tgt Ion: 63 Resp: 123587
Ion Ratio Lower Upper
63 100
112 5.0 3.8 5.6

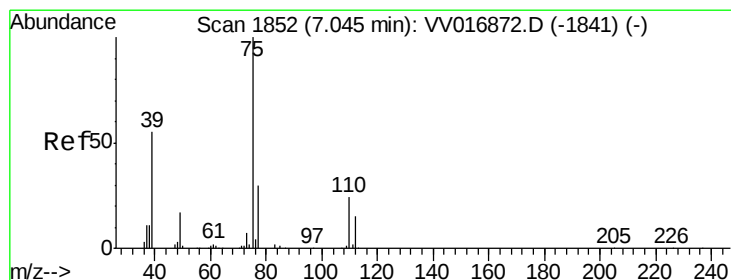
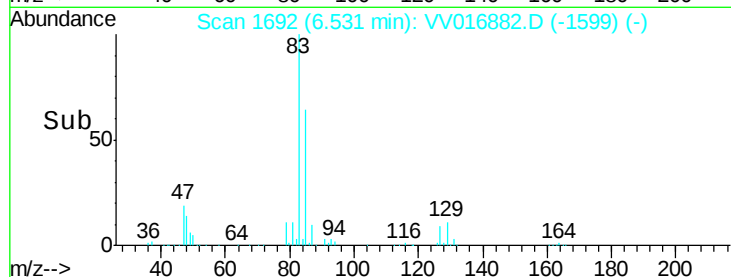
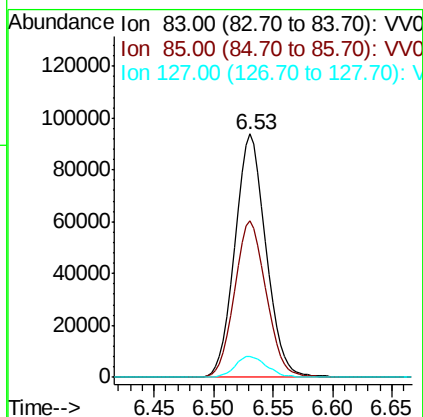
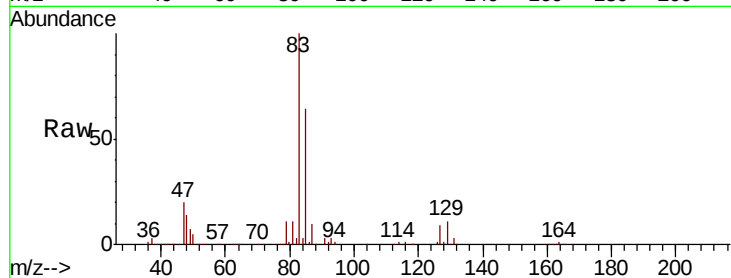




#38
 Bromodichloromethane
 Concen: 48.375 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016882.D
 Acq: 12 Jun 2020 16:33

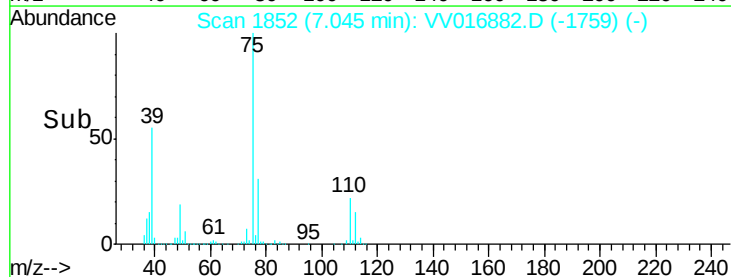
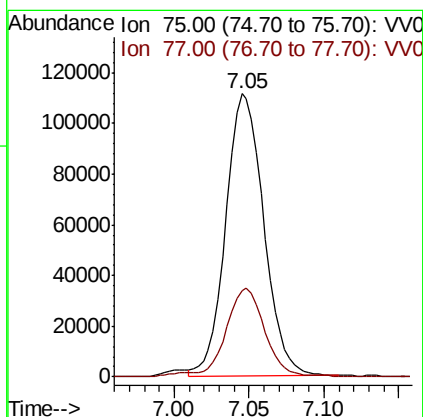
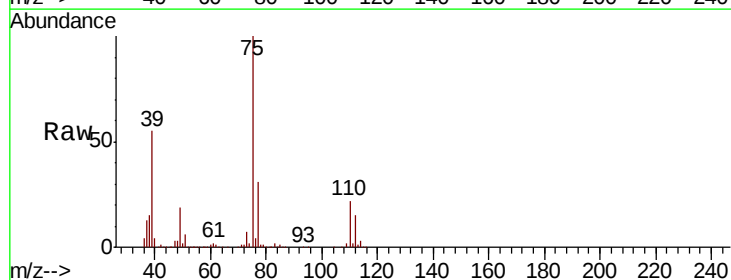
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

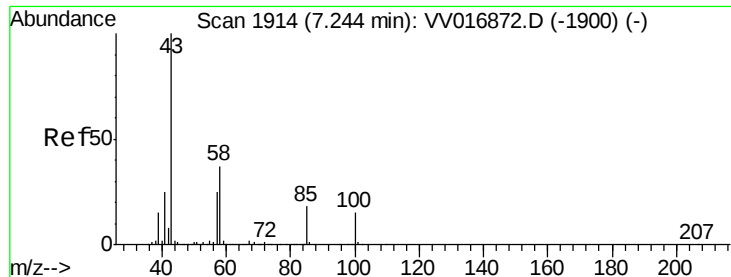
Tot Ion: 83 Resp: 169806
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.4 82.5
 127 8.6 7.4 11.0



#39
 cis-1,3-Dichloropropene
 Concen: 48.190 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV016882.D
 Acq: 12 Jun 2020 16:33

Tgt Ion: 75 Resp: 197383
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.7 42.1

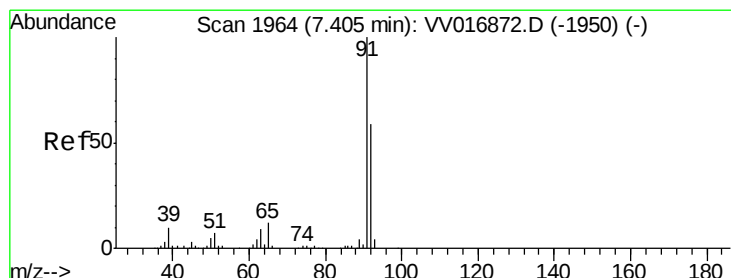
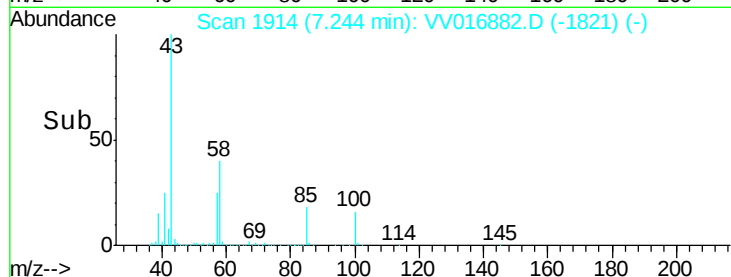
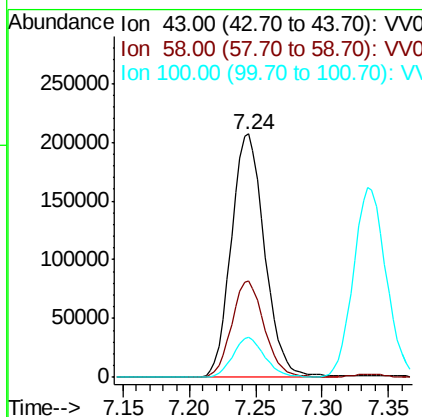
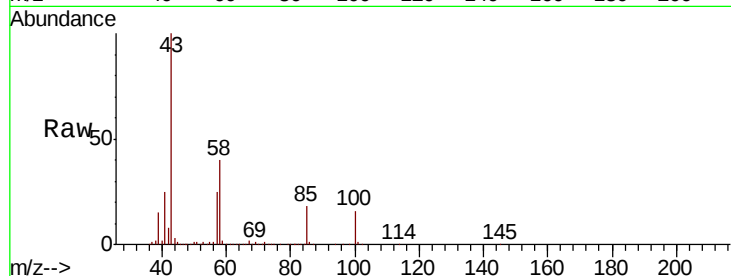




#40
4-Methyl-2-pentanone
Concen: 96.905 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV016882.D
Acq: 12 Jun 2020 16:33

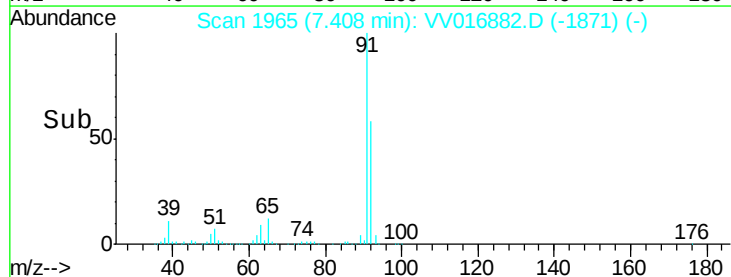
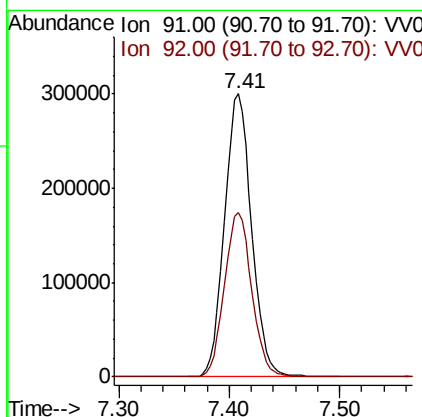
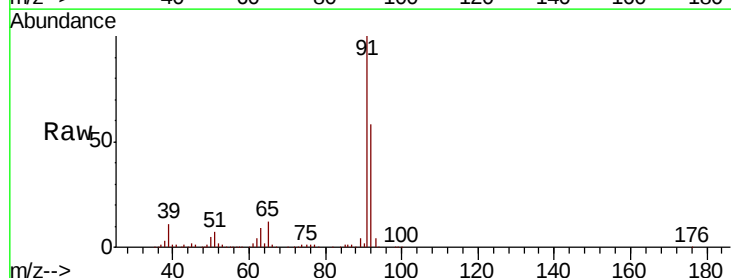
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

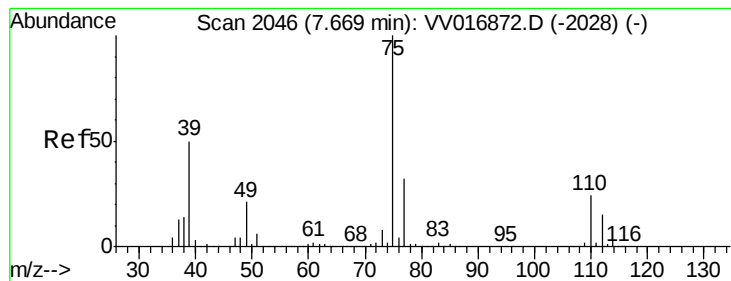
Tot Ion: 43 Resp: 362085
Ion Ratio Lower Upper
43 100
58 38.6 30.2 45.4
100 15.7 12.3 18.5



#42
Toluene
Concen: 47.804 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV016882.D
Acq: 12 Jun 2020 16:33

Tgt Ion: 91 Resp: 510978
Ion Ratio Lower Upper
91 100
92 58.3 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 49.979 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

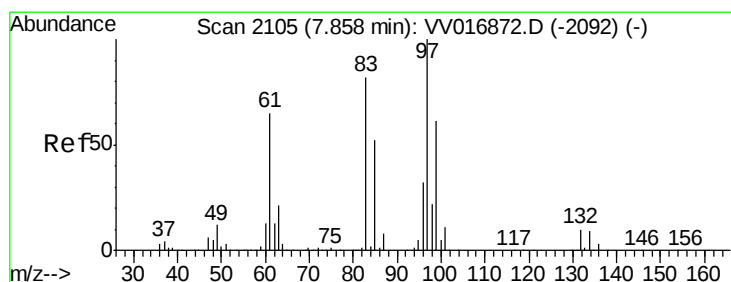
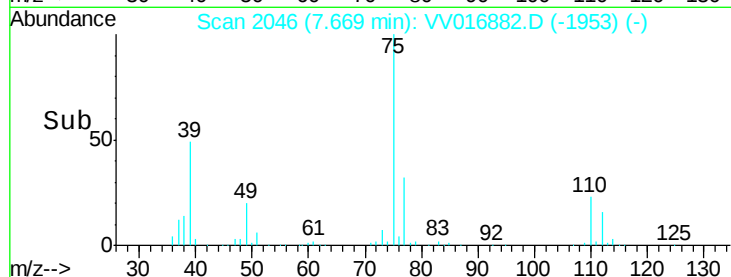
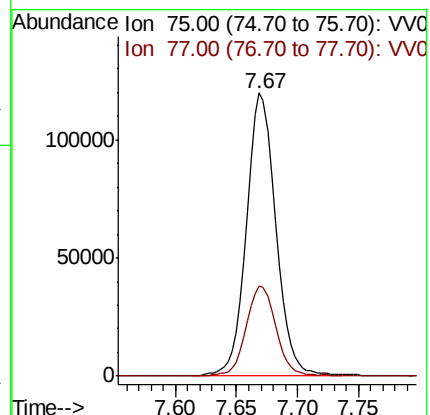
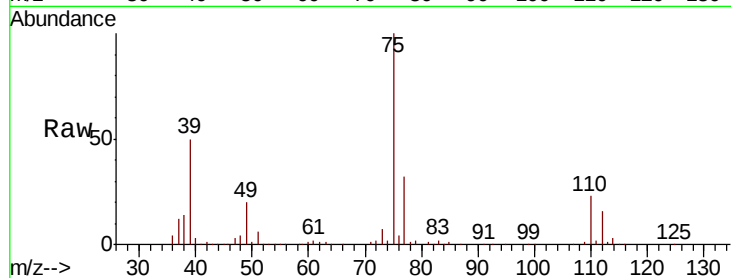
VSTD05087

Tot Ion: 75 Resp: 199020

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



#45

1,1,2-Trichloroethane

Concen: 48.496 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Tgt Ion: 97 Resp: 123373

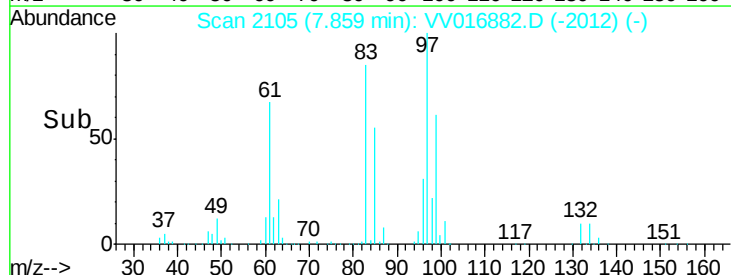
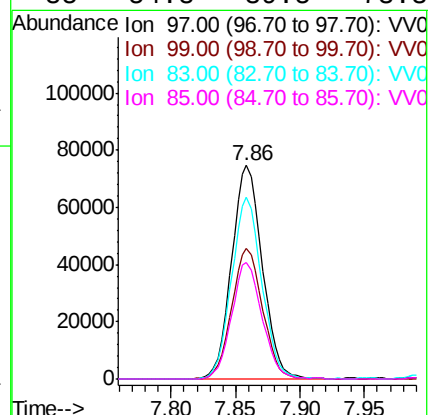
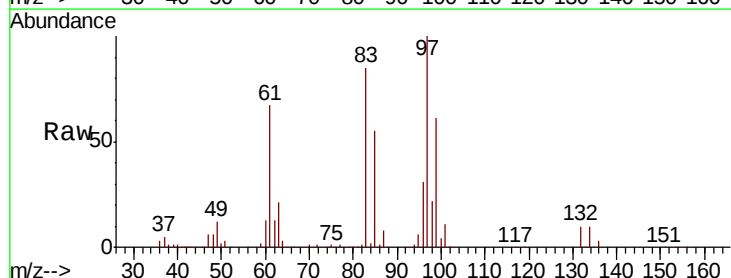
Ion Ratio Lower Upper

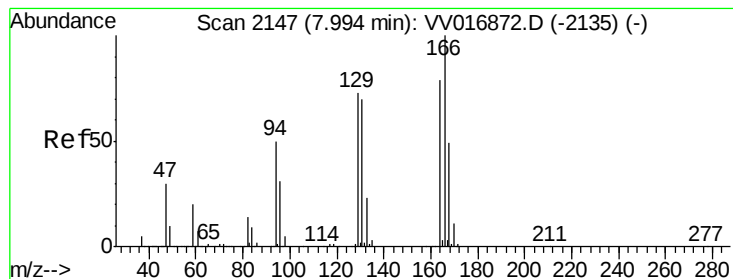
97 100

99 61.1 44.3 82.3

83 85.0 60.0 111.4

85 54.8 39.5 73.3





#46

Tetrachloroethene

Concen: 48.890 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

Tot Ion:164 Resp: 104562

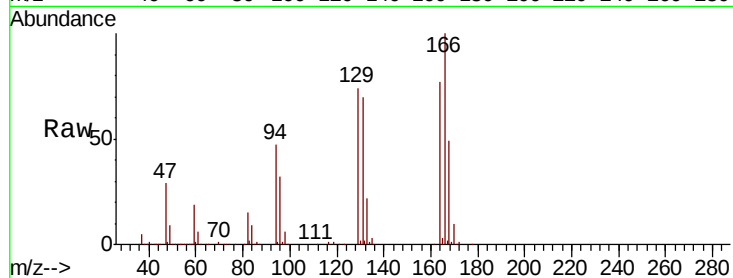
Ion Ratio Lower Upper

164 100

129 96.3 67.0 124.4

131 91.4 64.8 120.3

166 130.1 90.4 167.8

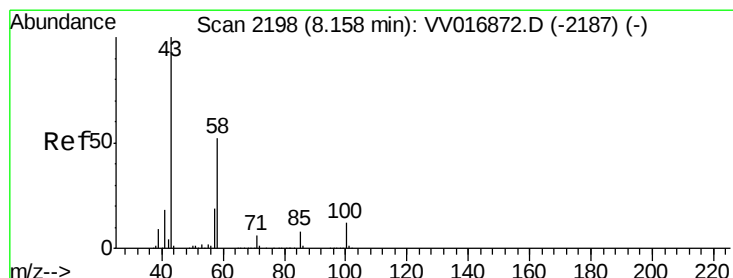
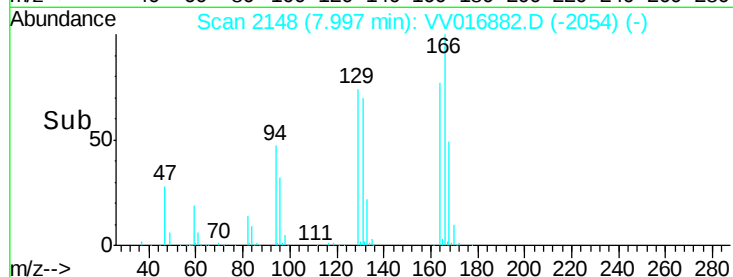
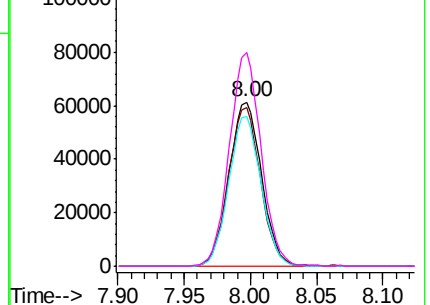


Abundance Ion 164.00 (163.70 to 164.70): V

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: 95.857 ug/L

RT: 8.15 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Tgt Ion: 43 Resp: 277711

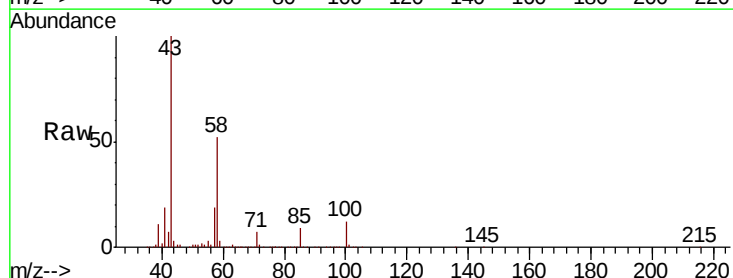
Ion Ratio Lower Upper

43 100

58 50.8 43.1 64.7

57 19.4 15.3 22.9

100 12.4 10.0 15.0

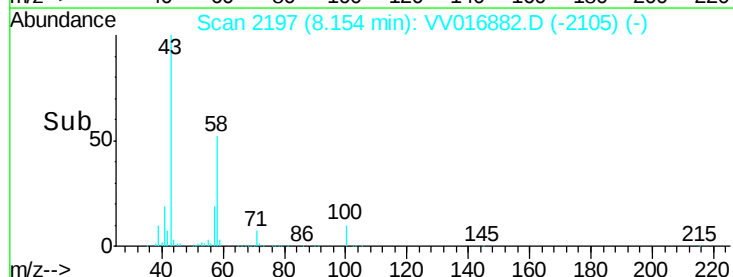
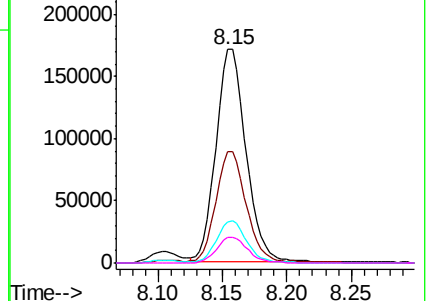


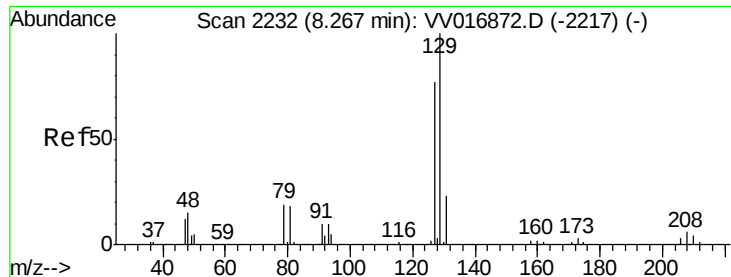
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 48.953 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

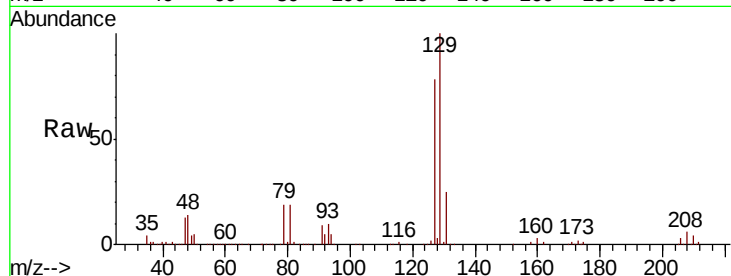
VSTD05087

Tot Ion:129 Resp: 133156

Ion Ratio Lower Upper

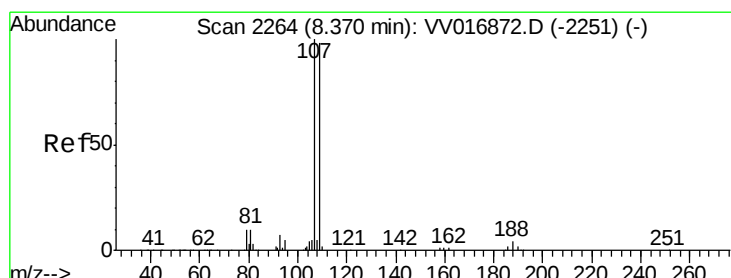
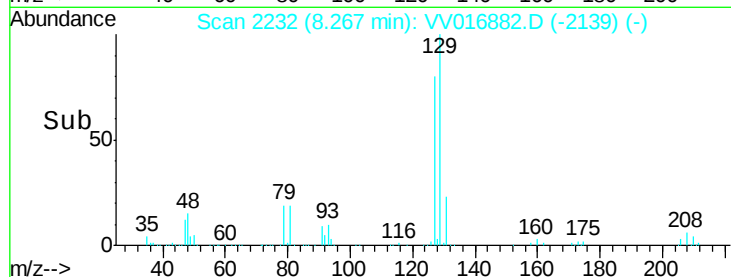
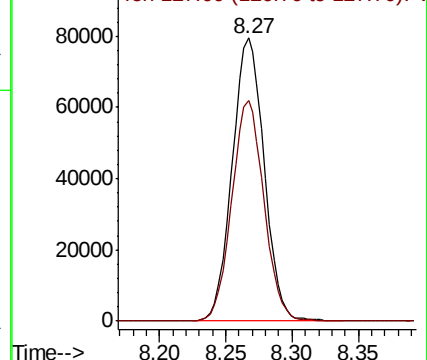
129 100

127 78.2 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 48.408 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

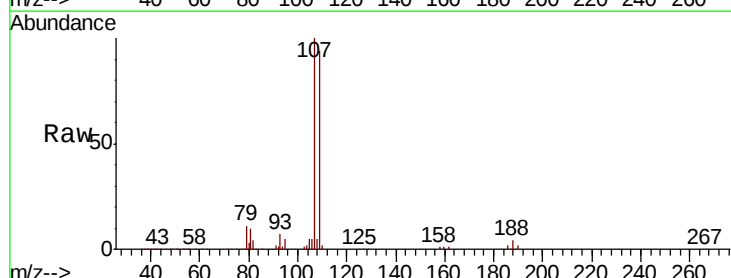
Tgt Ion:107 Resp: 128961

Ion Ratio Lower Upper

107 100

109 93.7 66.4 123.2

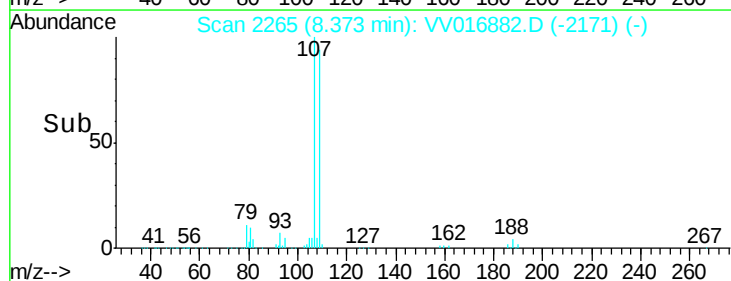
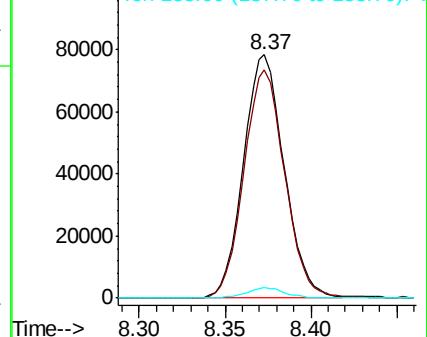
188 4.2 3.1 4.7

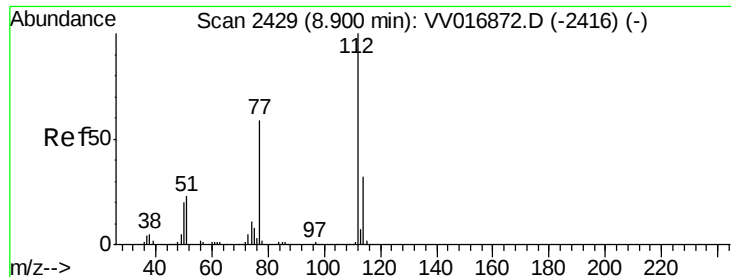


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 48.201 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

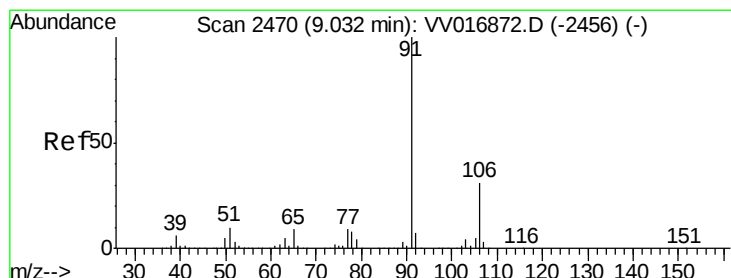
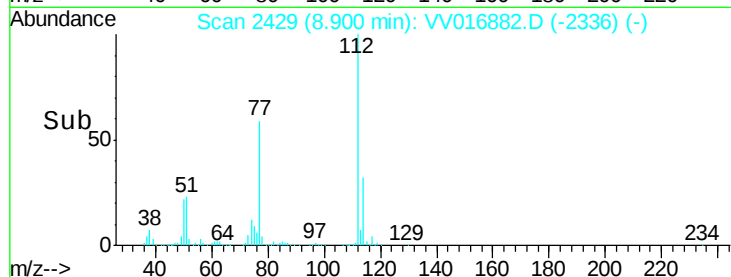
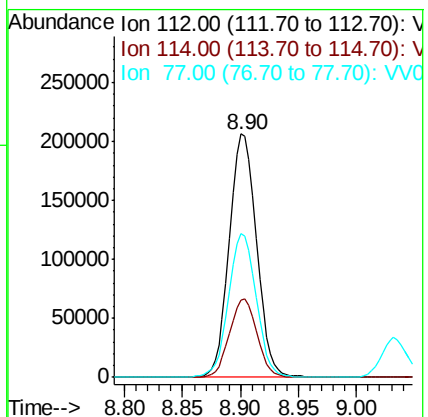
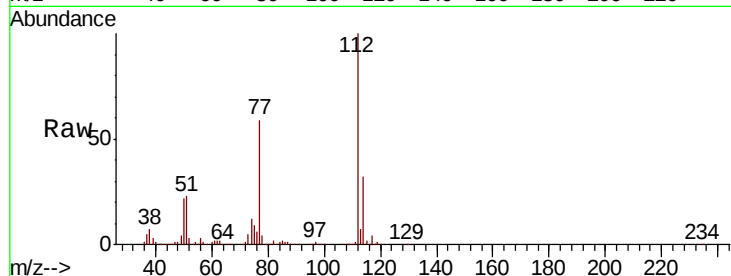
Tot Ion:112 Resp: 336142

Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 59.2 47.9 71.9



#52

Ethylbenzene

Concen: 49.352 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016882.D

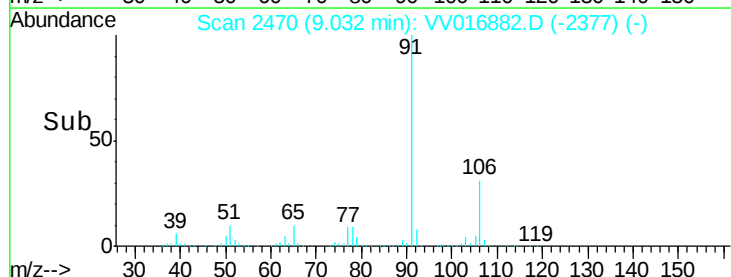
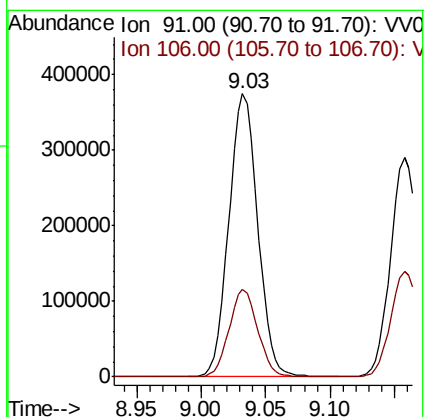
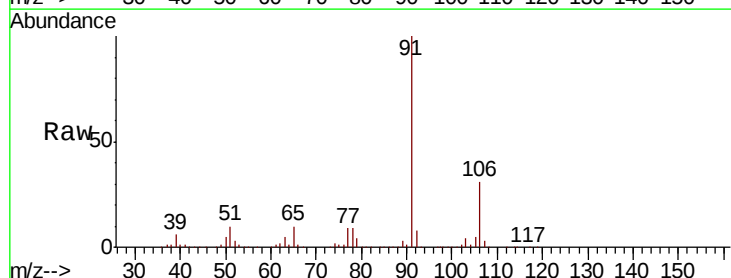
Acq: 12 Jun 2020 16:33

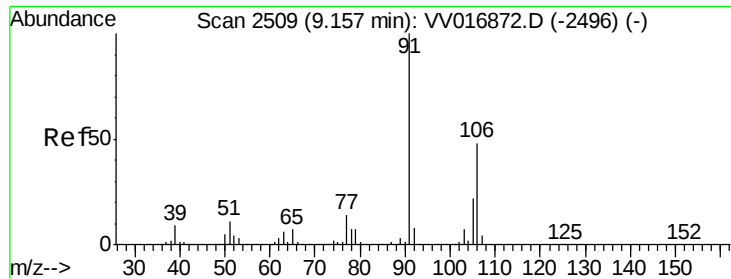
Tgt Ion: 91 Resp: 584297

Ion Ratio Lower Upper

91 100

106 30.9 21.1 39.1





#53

m,p-Xylene

Concen: 50.267 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

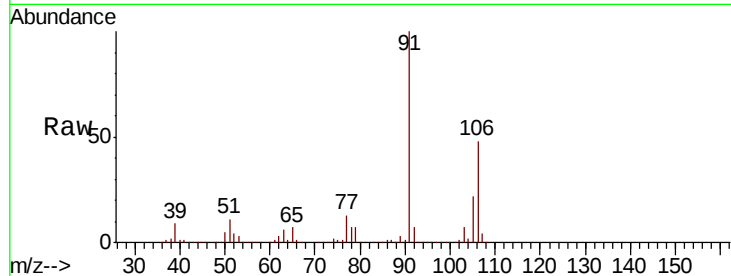
VSTD05087

Tot Ion:106 Resp: 221586

Ion Ratio Lower Upper

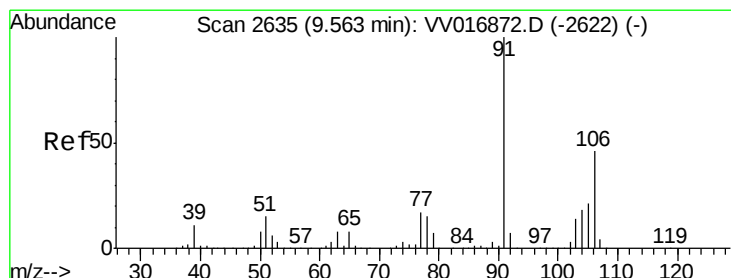
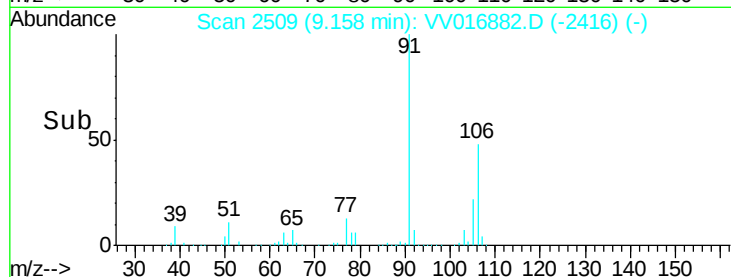
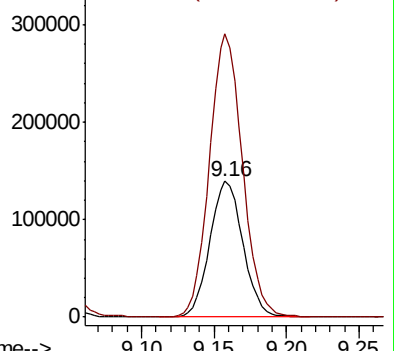
106 100

91 208.7 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 49.826 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV016882.D

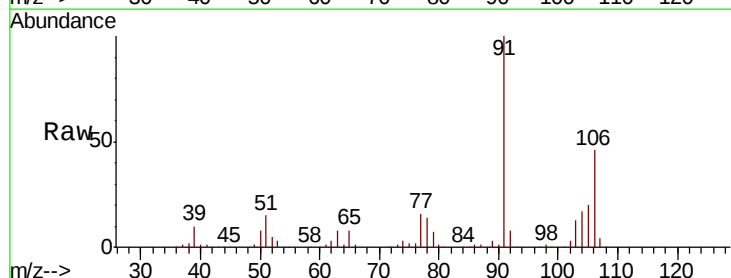
Acq: 12 Jun 2020 16:33

Tgt Ion:106 Resp: 216625

Ion Ratio Lower Upper

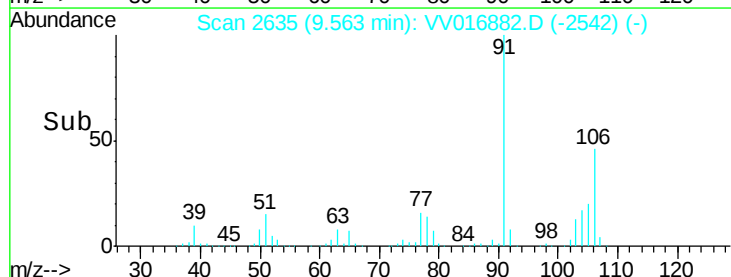
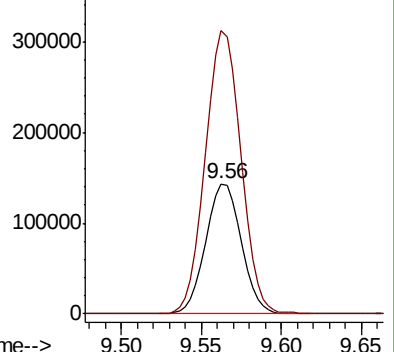
106 100

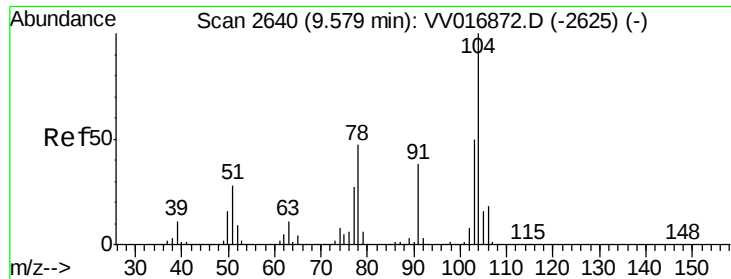
91 217.5 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 51.120 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

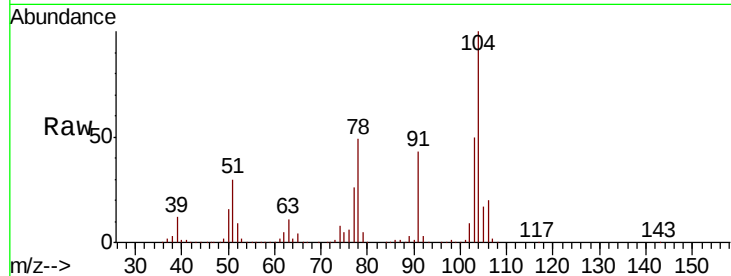
VSTD05087

Tot Ion:104 Resp: 375757

Ion Ratio Lower Upper

104 100

78 48.5 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

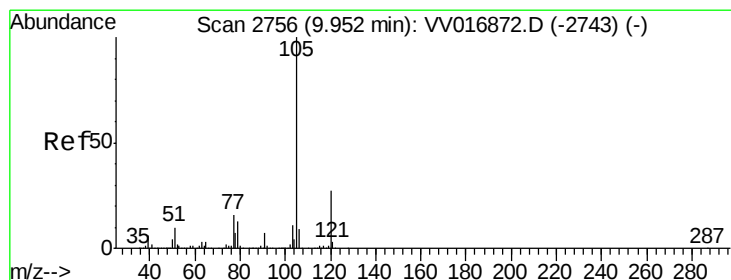
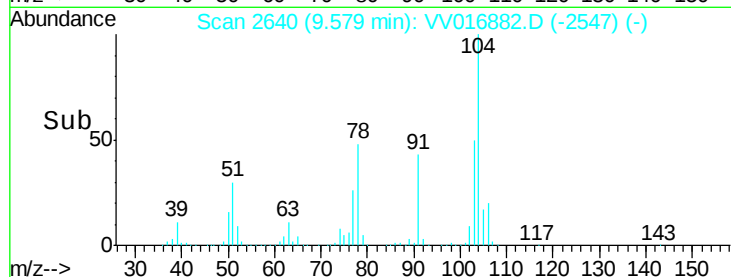
100000

50000

0

9.50 9.55 9.60 9.65

Time-->



#56

Isopropylbenzene

Concen: 50.667 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

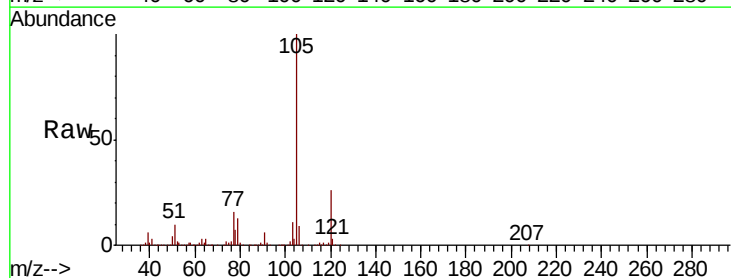
Tgt Ion:105 Resp: 591893

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

77 16.2 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

500000

400000

300000

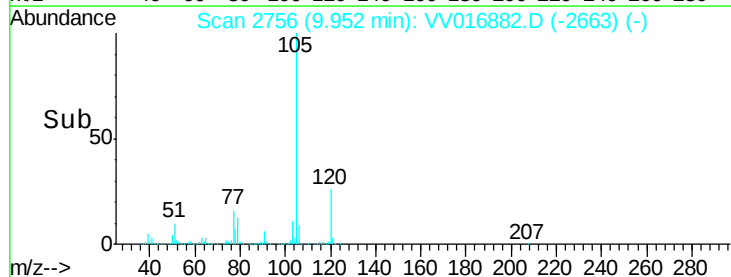
200000

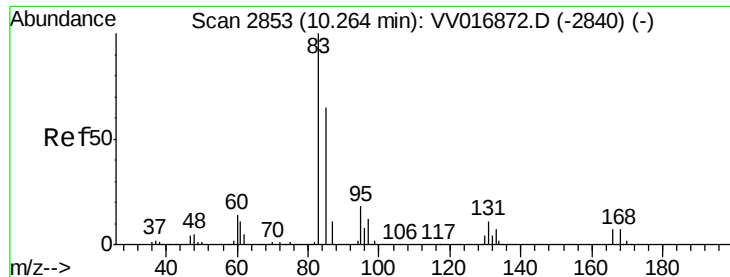
100000

0

9.90 9.95 10.00

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 46.838 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

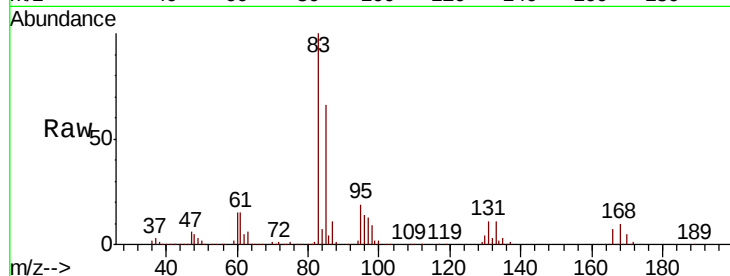
Tot Ion: 83 Resp: 182693

Ion Ratio Lower Upper

83 100

85 65.9 46.8 86.8

131 11.0 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV016882.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016882.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV016882.D (-2760) (-)

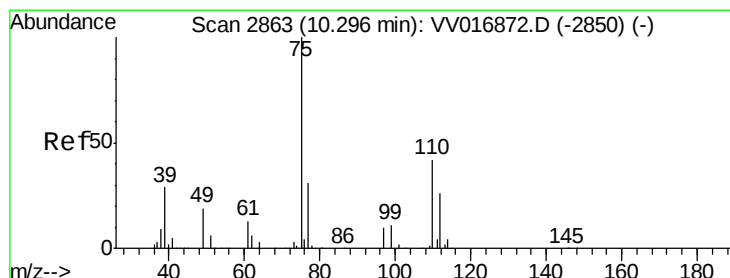
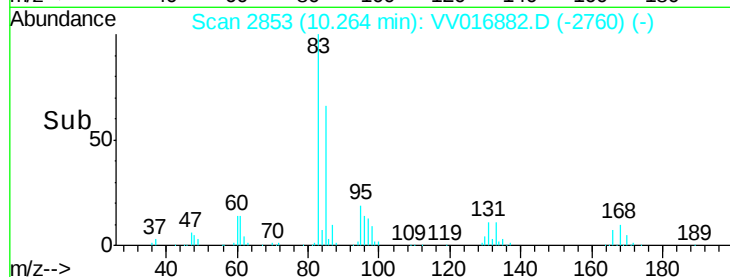
10.26

100000

50000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 48.639 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016882.D

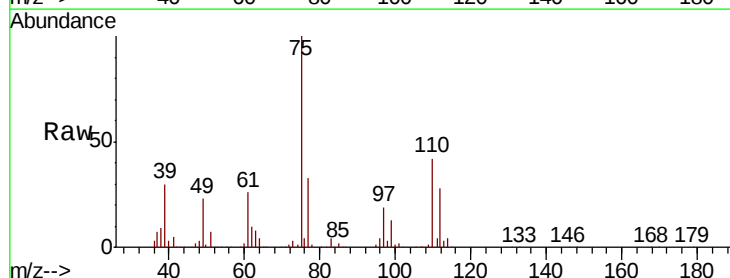
Acq: 12 Jun 2020 16:33

Tgt Ion: 75 Resp: 159129

Ion Ratio Lower Upper

75 100

77 32.3 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV016882.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016882.D (-2241) (-)

10.30

120000

100000

80000

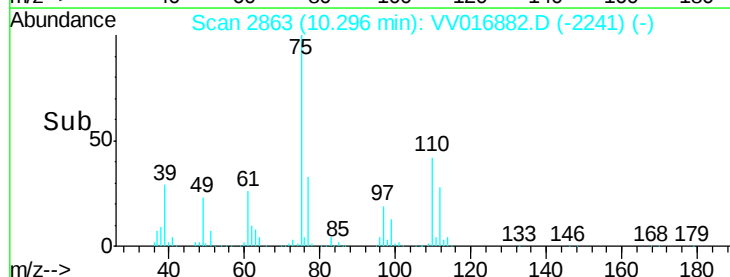
60000

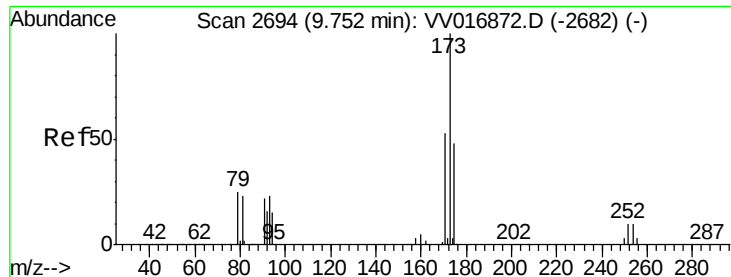
40000

20000

0

Time-->





#61

Bromoform

Concen: 47.682 ug/L

RT: 9.75 min Scan# 2694

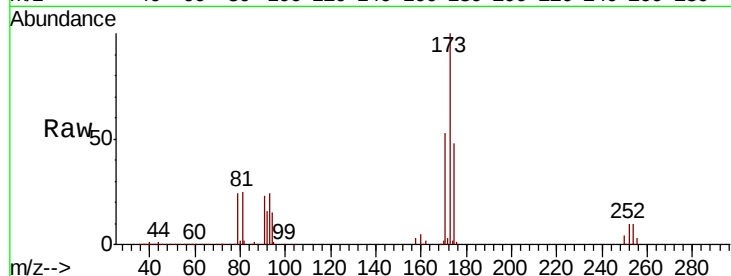
Delta R.T. 0.00 min

Lab File: VV016882.D

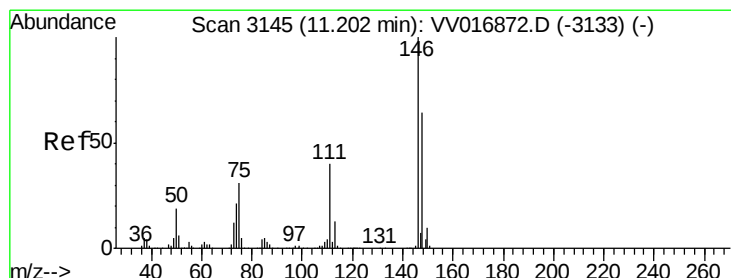
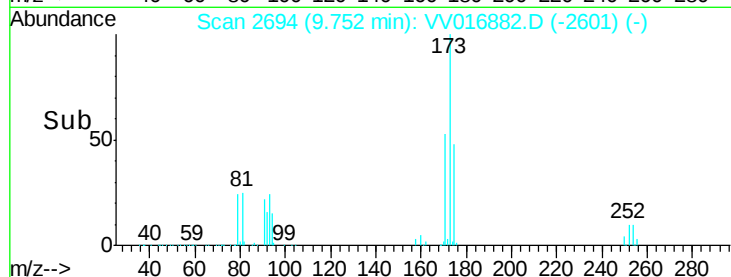
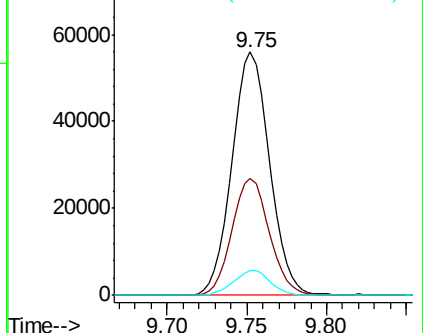
Acq: 12 Jun 2020 16:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion:173	Resp:	89707
Ion Ratio	Lower	Upper
173	100	
175	47.7	39.0 58.4
254	9.8	7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 48.252 ug/L

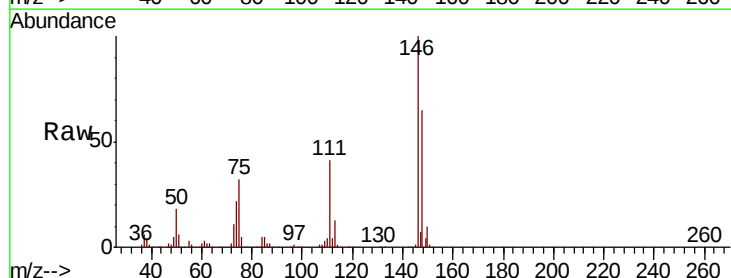
RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

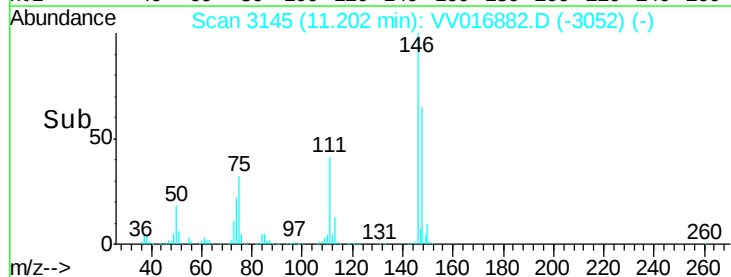
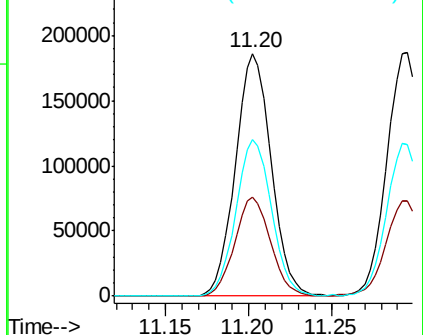
Lab File: VV016882.D

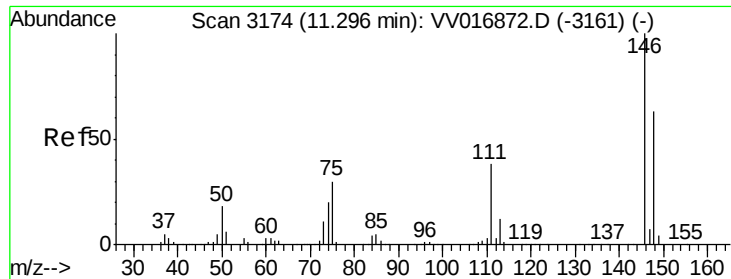
Acq: 12 Jun 2020 16:33

Tgt Ion:146	Resp:	279534
Ion Ratio	Lower	Upper
146	100	
111	40.8	28.3 52.7
148	64.6	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

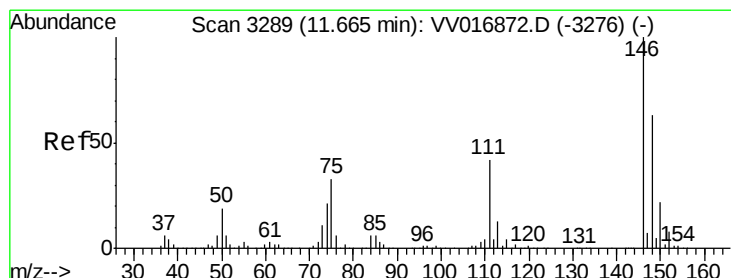
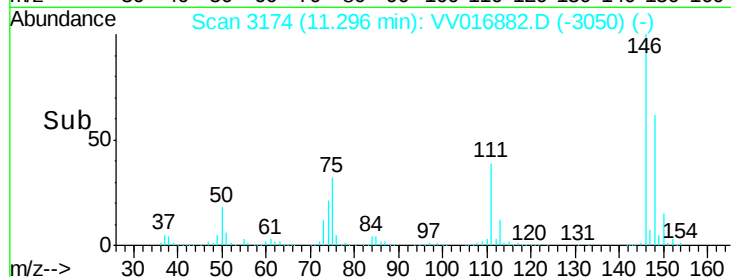
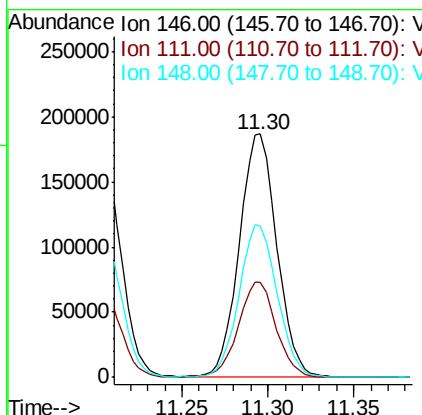
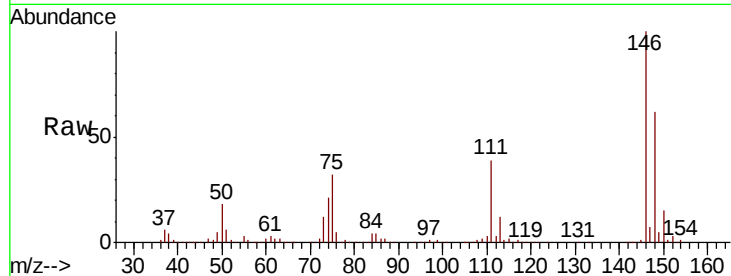




#63
 1,4-Dichlorobenzene
 Concen: 47.795 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016882.D
 Acq: 12 Jun 2020 16:33

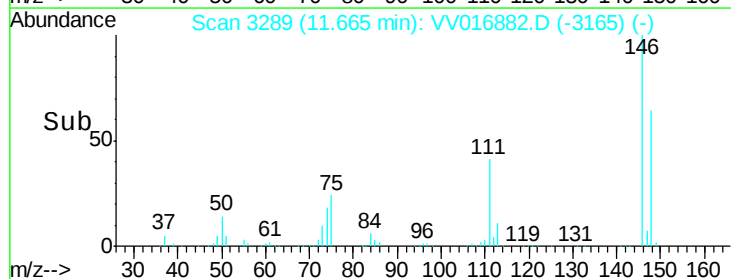
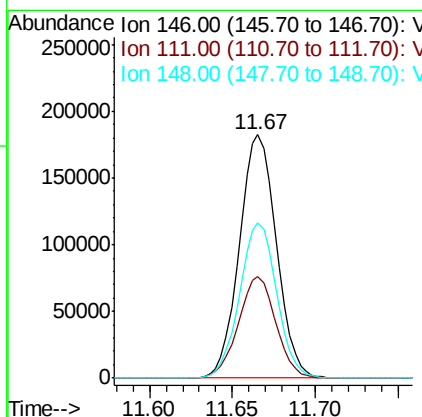
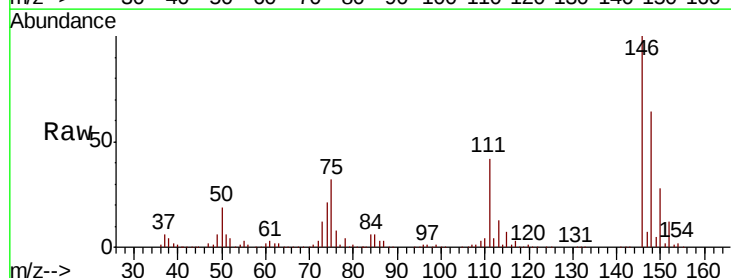
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

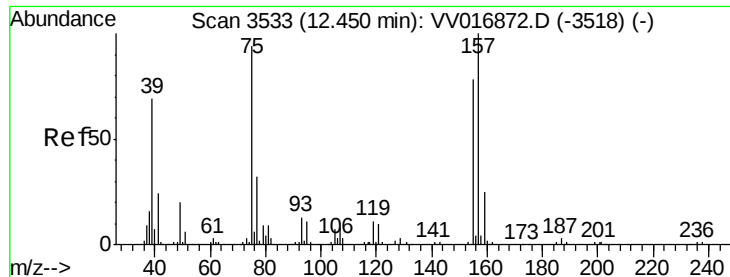
Tot Ion:146 Resp: 281723
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.7 49.7
 148 62.0 43.5 80.9



#65
 1,2-Dichlorobenzene
 Concen: 48.730 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016882.D
 Acq: 12 Jun 2020 16:33

Tgt Ion:146 Resp: 282909
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.7 50.5
 148 63.9 50.7 76.1

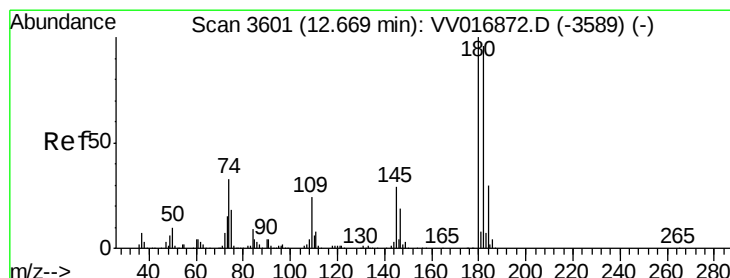
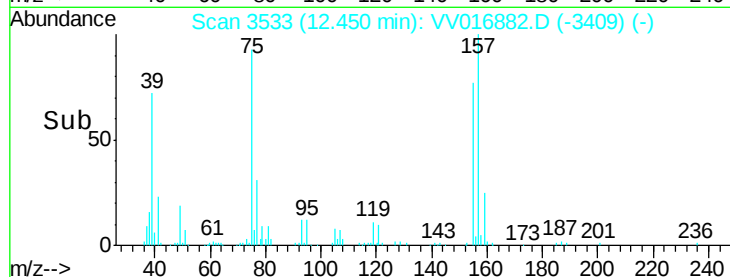
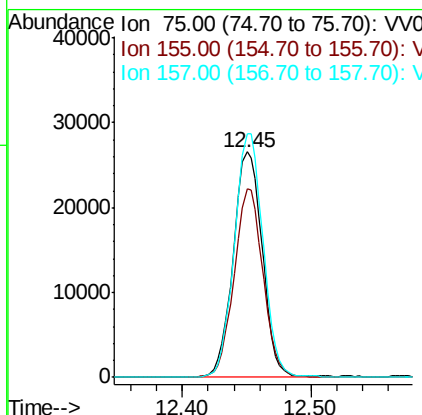
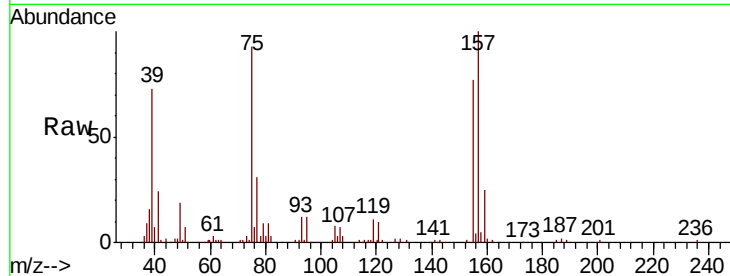




#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.794 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016882.D
 Acq: 12 Jun 2020 16:33

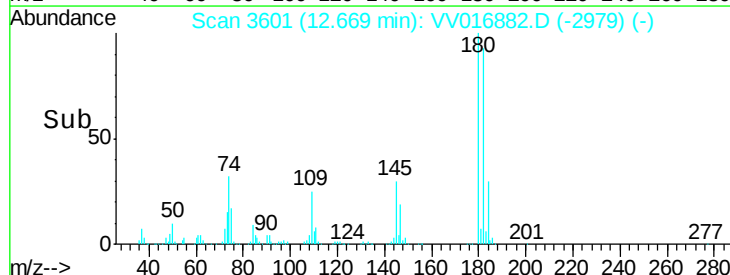
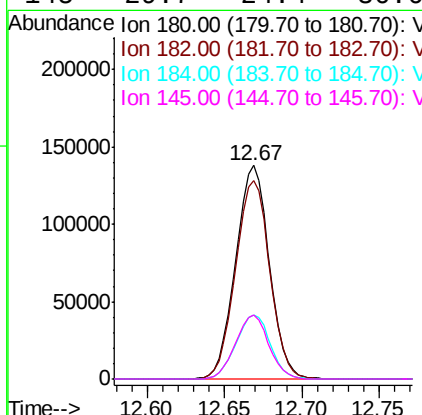
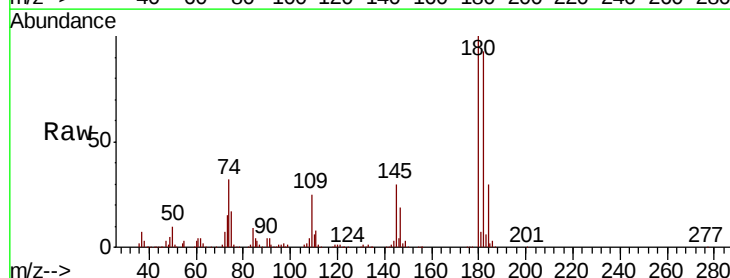
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

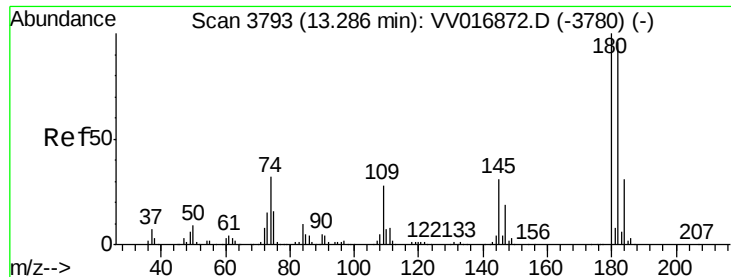
Tot Ion: 75 Resp: 41805
 Ion Ratio Lower Upper
 75 100
 155 83.4 69.8 104.6
 157 107.9 83.4 125.2



#67
 1,3,5-Trichlorobenzene
 Concen: 48.213 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016882.D
 Acq: 12 Jun 2020 16:33

Tgt Ion: 180 Resp: 208277
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.0 112.6
 184 30.6 24.5 36.7
 145 29.7 24.4 36.6

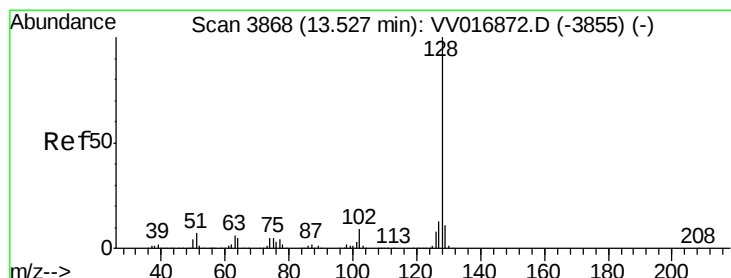
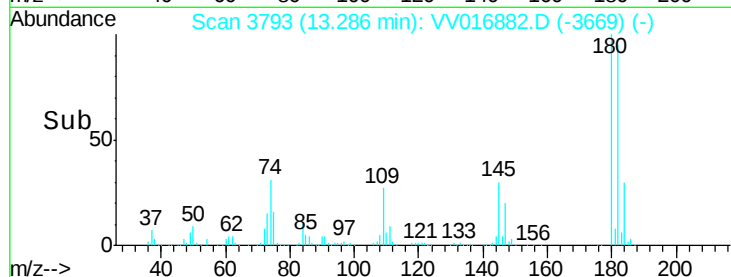
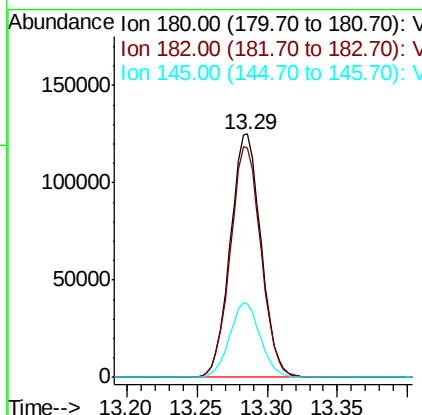
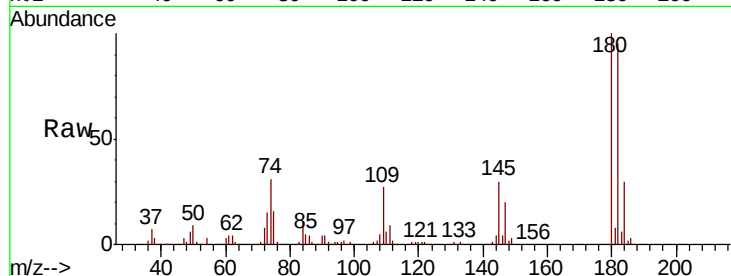




#68
 1,2,4-trichlorobenzene
 Concen: 48.147 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016882.D
 Acq: 12 Jun 2020 16:33

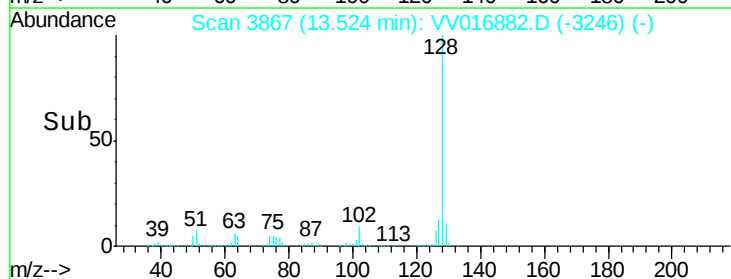
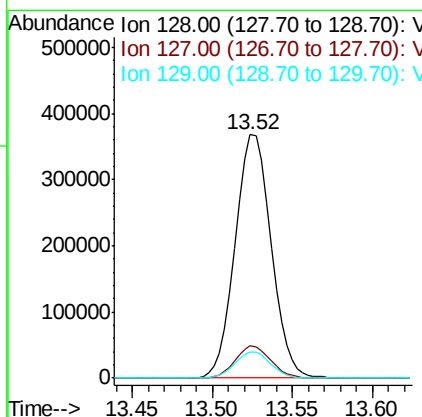
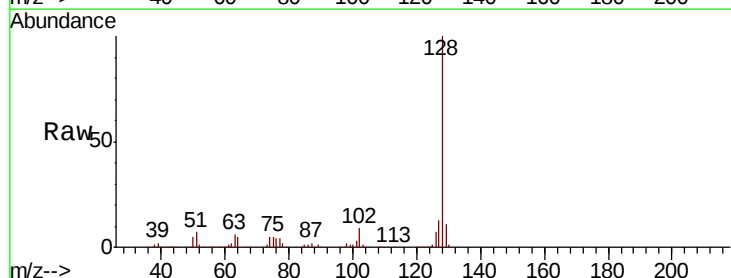
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

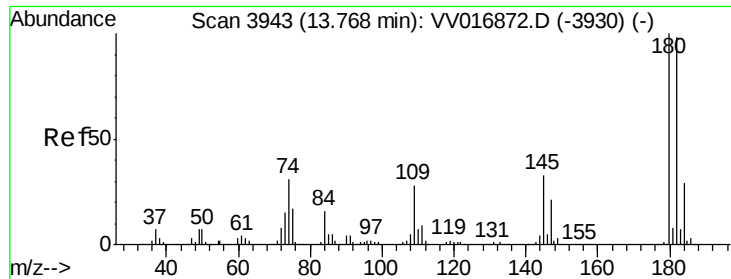
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
145	30.7	25.2	37.8



#69
 Naphthalene
 Concen: 49.520 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV016882.D
 Acq: 12 Jun 2020 16:33

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.7	13.1





#70

1,2,3-Trichlorobenzene

Concen: 48.757 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016882.D

Acq: 12 Jun 2020 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

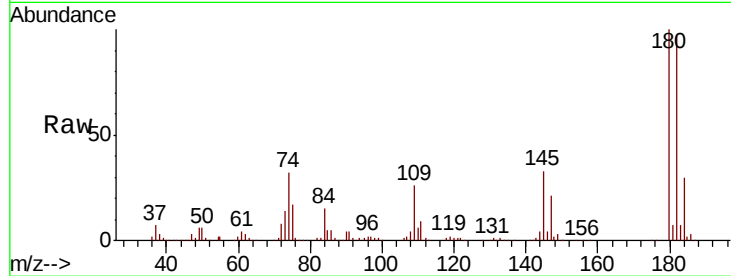
Tot Ion:180 Resp: 189034

Ion Ratio Lower Upper

180 100

182 95.1 76.5 114.7

145 33.0 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

