

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110820\
 Data File : VV019299.D
 Acq On : 06 Nov 2020 16:17
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Quant Time: Nov 07 01:26:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 07 01:17:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	253843	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	251360	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	136372	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85570	42.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.84%
7) Chloroethane-d5	1.58	69	73551	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.86%
11) 1,1-Dichloroethene-d2	2.13	63	176311	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.88%
21) 2-Butanone-d5	3.91	46	137858	111.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.58%
24) Chloroform-d	4.37	84	181842	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
26) 1,2-Dichloroethane-d4	5.05	65	124631	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
32) Benzene-d6	5.07	84	327875	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.96%
36) 1,2-Dichloropropane-d6	6.09	67	104665	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.46%
41) Toluene-d8	7.34	98	299778	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%
43) trans-1,3-Dichloropropene-	7.64	79	55814	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.74%
47) 2-Hexanone-d5	8.11	63	93364	101.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.40%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	144171	50.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.58%
64) 1,2-Dichlorobenzene-d4	11.65	152	129443	45.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	94799	42.531	ug/L	98
3) Chloromethane	1.25	50	105358	52.052	ug/L	99
5) Vinyl chloride	1.32	62	105518	50.920	ug/L	98
6) Bromomethane	1.53	94	68423	49.293	ug/L	97
8) Chloroethane	1.60	64	68879	53.457	ug/L	99
9) Trichlorofluoromethane	1.77	101	161669	46.808	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	78326	47.123	ug/L	98
12) 1,1-Dichloroethene	2.13	96	79984	49.135	ug/L	96
13) Acetone	2.20	43	106569	92.842	ug/L	100
14) Carbon disulfide	2.31	76	231749	44.790	ug/L	100
15) Methyl Acetate	2.45	43	95317	51.528	ug/L	98
16) Methylene chloride	2.52	84	90361	48.885	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	85117	48.683	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	289278	49.412	ug/L	98
19) 1,1-Dichloroethane	3.21	63	166576	51.138	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	91545	47.708	ug/L	92
22) 2-Butanone	3.99	43	134447	107.535	ug/L	100

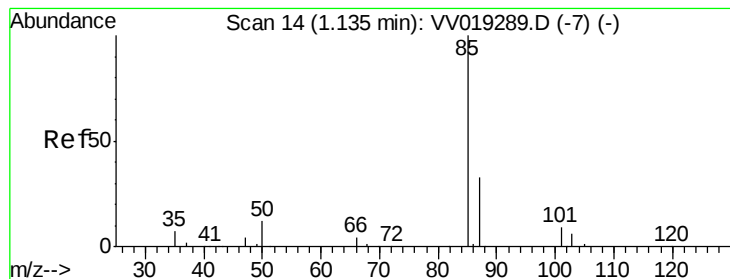
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 Quant Title : VOC Analysis
 QLast Update : Sat Nov 07 01:17:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	49987	48.546	ug/L	93
25) Chloroform	4.40	83	175890	49.969	ug/L	99
27) 1,2-Dichloroethane	5.15	62	145722	48.627	ug/L	99
29) Cyclohexane	4.70	56	124299	44.295	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	157133	46.131	ug/L	98
31) Carbon tetrachloride	4.85	117	136396	45.157	ug/L	98
33) Benzene	5.13	78	355600	49.067	ug/L	100
34) Trichloroethene	5.94	95	96085	48.396	ug/L	98
35) Methylcyclohexane	6.15	83	116145	43.333	ug/L	96
37) 1,2-Dichloropropane	6.20	63	93881	52.162	ug/L	100
38) Bromodichloromethane	6.53	83	131353	49.060	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	146090	49.142	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	262565	105.752	ug/L	99
42) Toluene	7.41	91	385054	48.466	ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	151973	49.142	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	91147	50.495	ug/L	99
46) Tetrachloroethene	8.00	164	72632	42.843	ug/L	98
48) 2-Hexanone	8.16	43	209152	105.982	ug/L	97
49) Dibromochloromethane	8.27	129	105050	48.066	ug/L	99
50) 1,2-Dibromoethane	8.37	107	96034	49.866	ug/L	99
51) Chlorobenzene	8.90	112	249027	47.808	ug/L	98
52) Ethylbenzene	9.03	91	418695	47.826	ug/L	99
53) m,p-Xylene	9.16	106	155401	46.997	ug/L	99
54) o-xylene	9.56	106	153404	48.321	ug/L	99
55) Styrene	9.58	104	275572	48.975	ug/L	98
56) Isopropylbenzene	9.95	105	399368	46.810	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	137444	50.006	ug/L	97
59) 1,2,3-Trichloropropane	10.29	75	118490	50.360	ug/L	98
61) Bromoform	9.75	173	79091	47.016	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	202894	47.168	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	207747	46.472	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	205078	48.127	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	34034	46.678	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	143187	45.219	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	135993	45.839	ug/L	99
69) Naphthalene	13.52	128	399279	48.050	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	140787	48.493	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 42.531 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

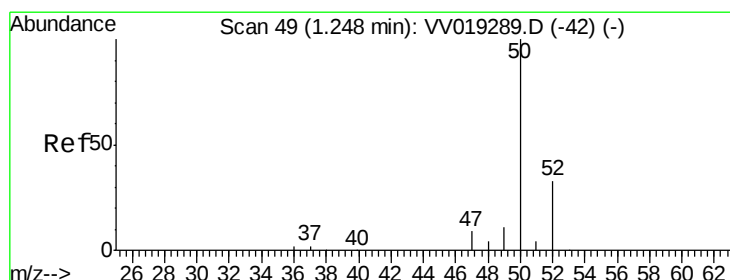
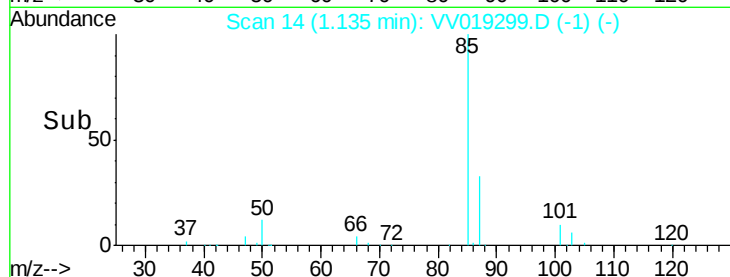
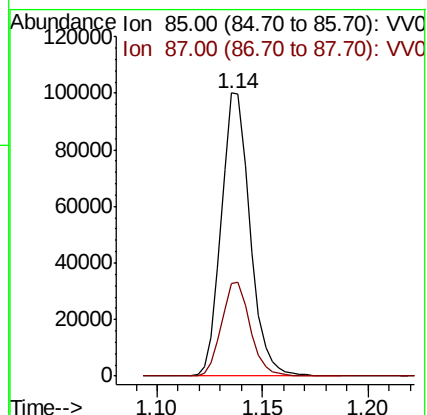
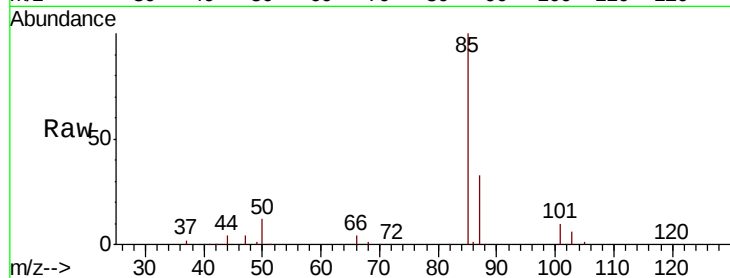
VSTD05090

Tot Ion: 85 Resp: 94799

Ion Ratio Lower Upper

85 100

87 32.9 25.3 37.9



#3

Chloromethane

Concen: 52.052 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019299.D

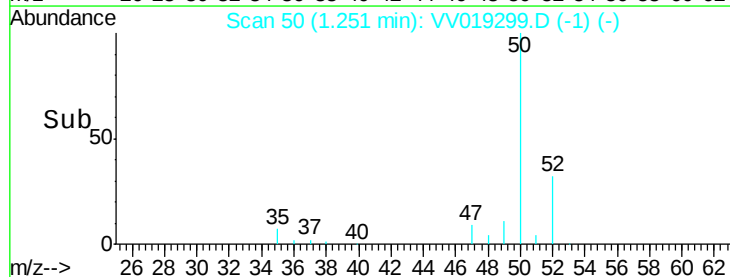
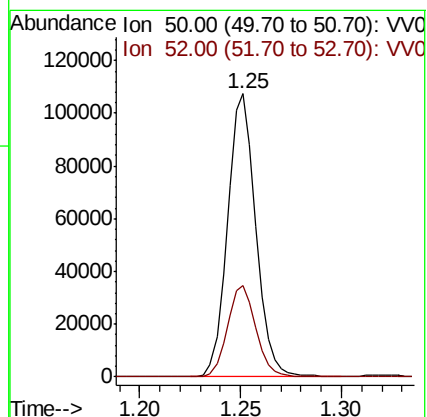
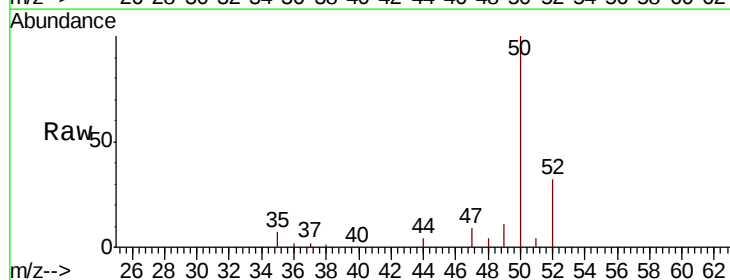
Acq: 06 Nov 2020 16:17

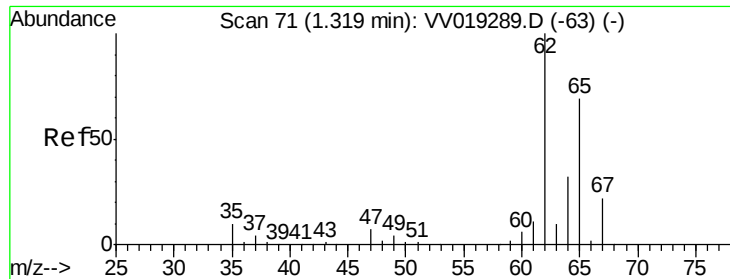
Tgt Ion: 50 Resp: 105358

Ion Ratio Lower Upper

50 100

52 32.2 22.1 41.1





#5

Vinyl chloride

Concen: 50.920 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

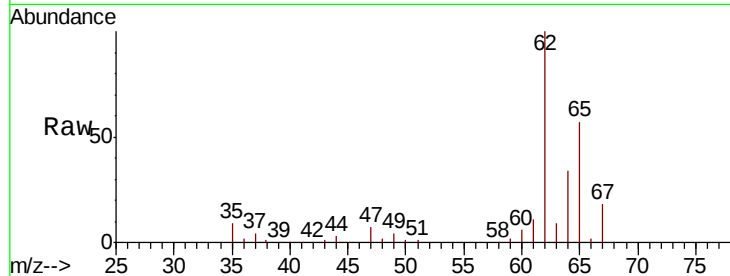
VSTD05090

Tot Ion: 62 Resp: 105518

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

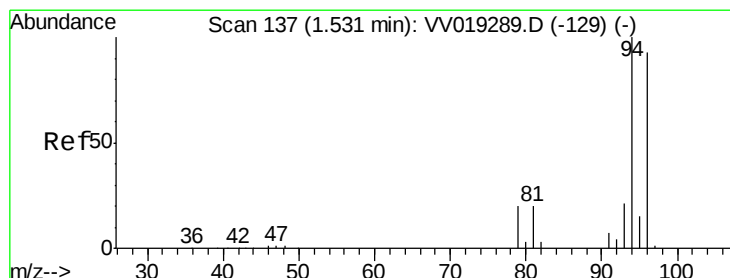
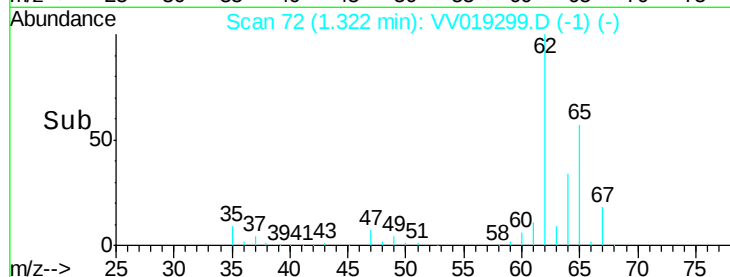
20000

0

1.32

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 49.293 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019299.D

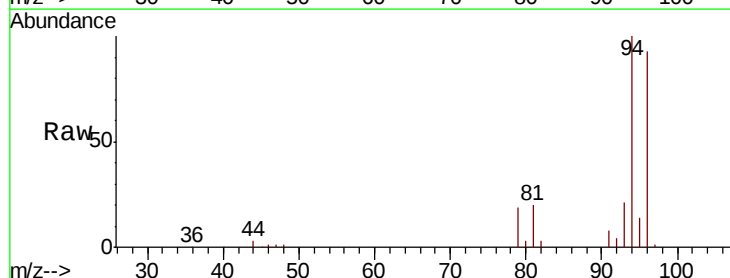
Acq: 06 Nov 2020 16:17

Tgt Ion: 94 Resp: 68423

Ion Ratio Lower Upper

94 100

96 92.9 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

40000

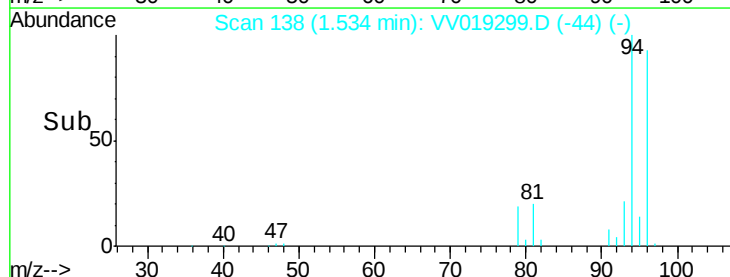
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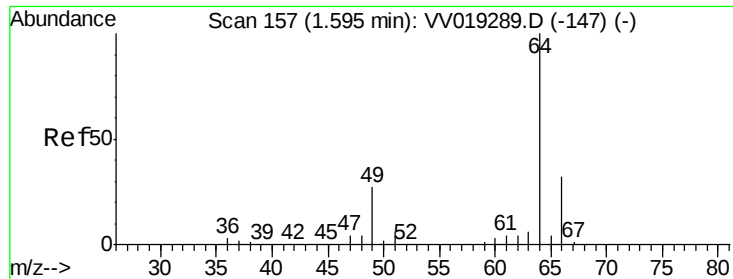
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1.53

1.50 1.55 1.60

Time-->

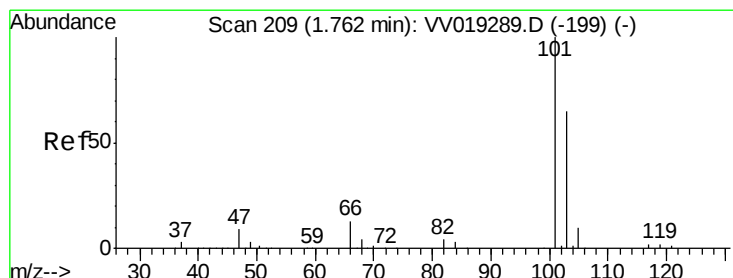
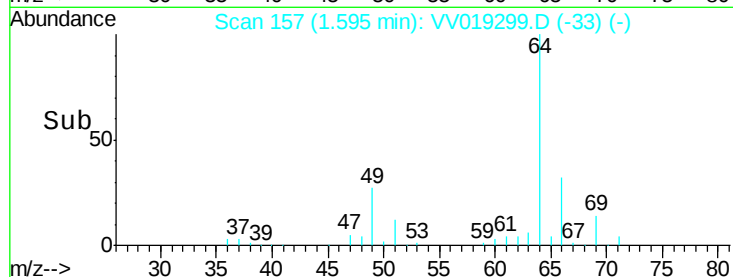
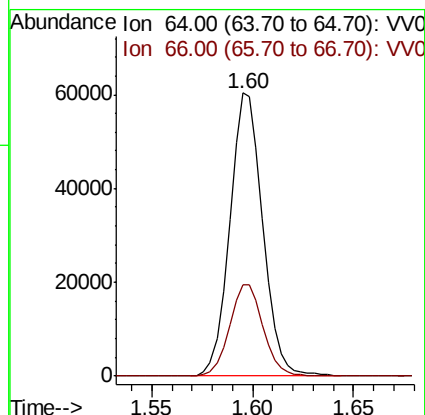
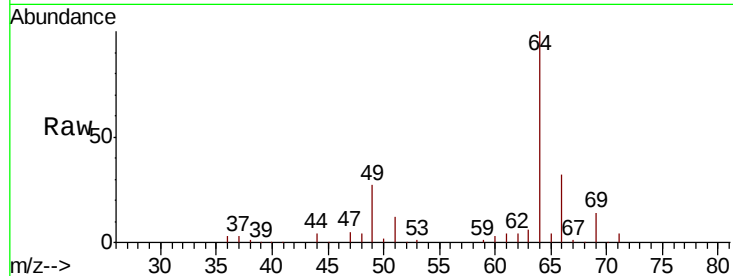




#8
Chloroethane
Concen: 53.457 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

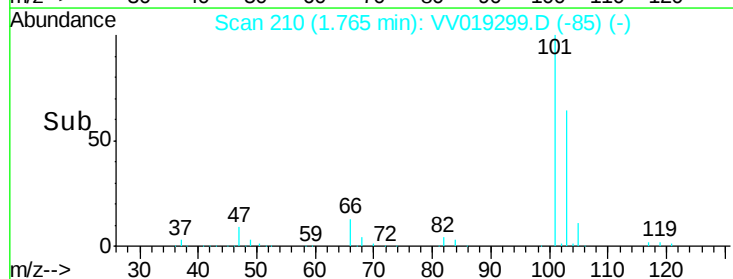
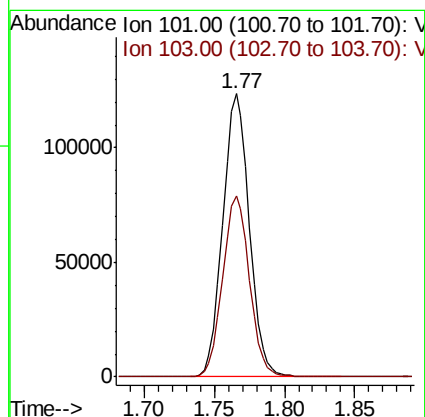
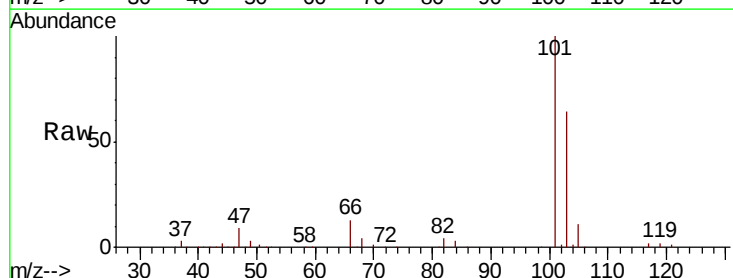
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VSTD05090

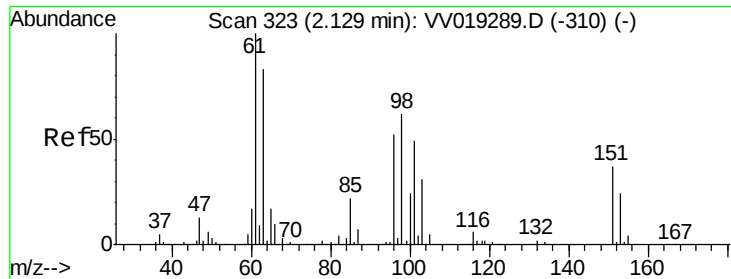
Tot Ion: 64 Resp: 68879
Ion Ratio Lower Upper
64 100
66 32.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 46.808 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Tgt Ion: 101 Resp: 161669
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9





#10

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

Concen: 47.123 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

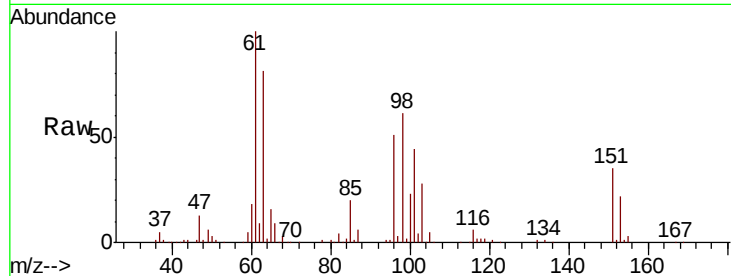
Tot Ion:101 Resp: 78326

Ion Ratio Lower Upper

101 100

85 44.8 36.1 54.1

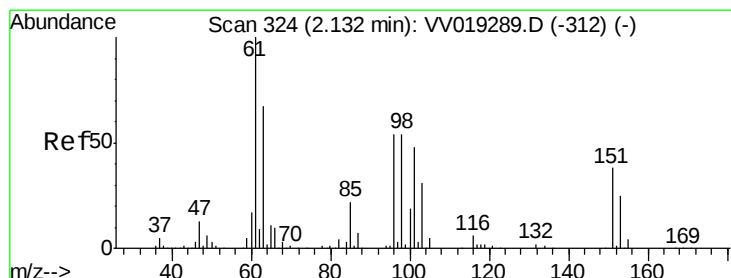
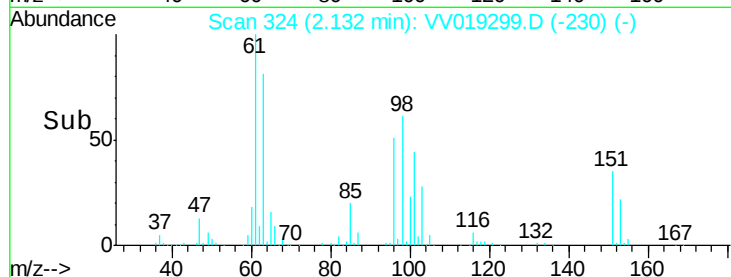
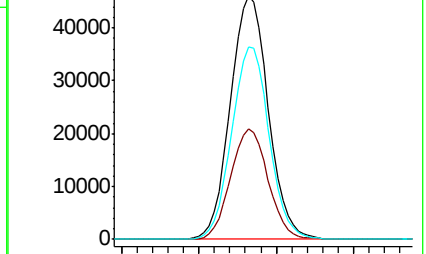
151 78.3 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VV019289.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV019289.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV019289.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 49.135 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

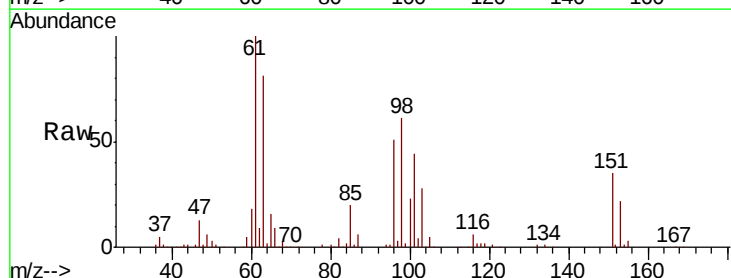
Tgt Ion: 96 Resp: 79984

Ion Ratio Lower Upper

96 100

61 195.6 132.6 246.2

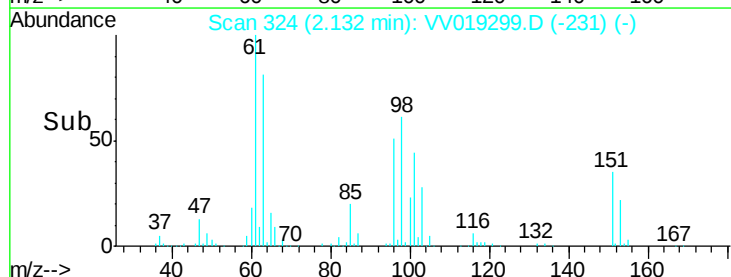
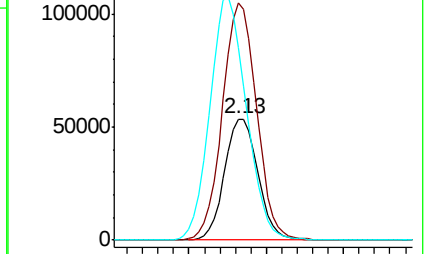
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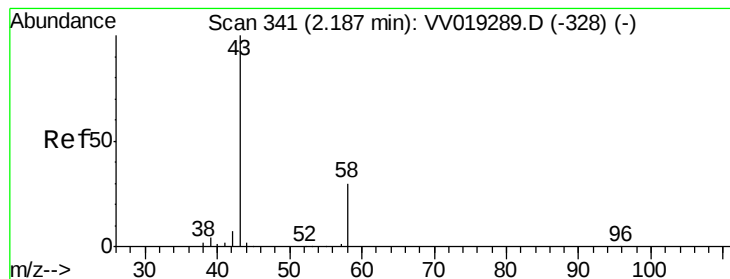


Abundance Ion 96.00 (95.70 to 96.70): VV019289.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV019289.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV019289.D (-312) (-)





#13

Acetone

Concen: 92.842 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

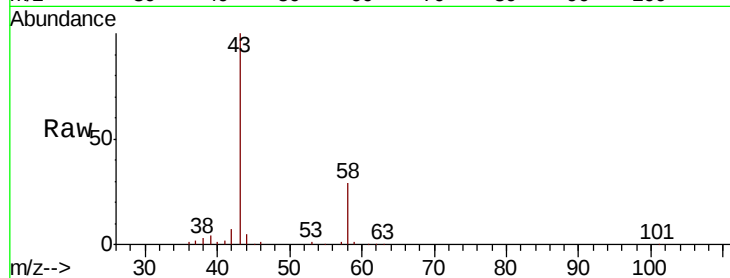
VSTD05090

Tot Ion: 43 Resp: 106569

Ion Ratio Lower Upper

43 100

58 29.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.20

40000

30000

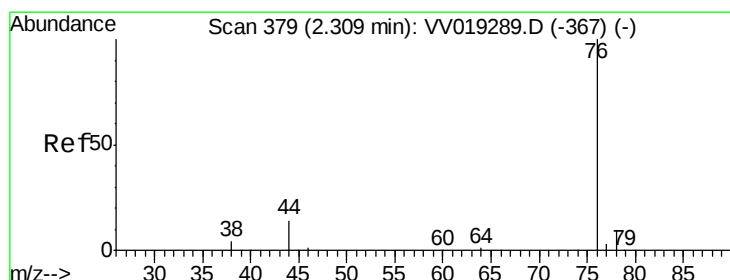
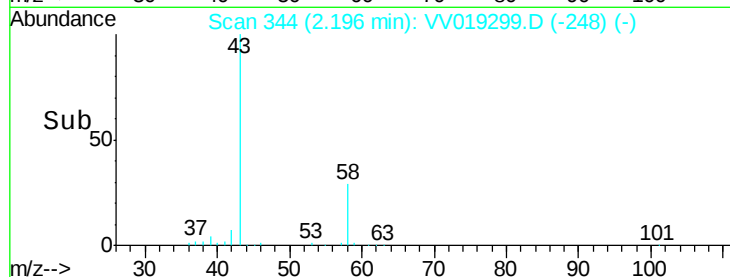
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 44.790 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019299.D

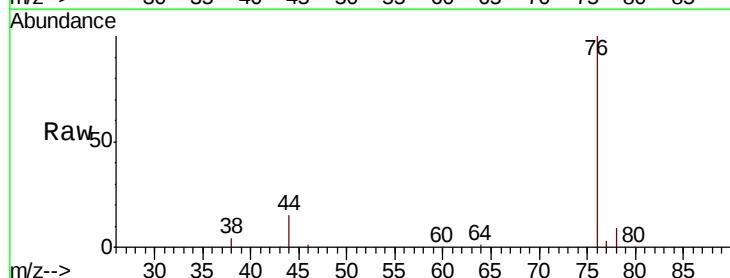
Acq: 06 Nov 2020 16:17

Tgt Ion: 76 Resp: 231749

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

150000

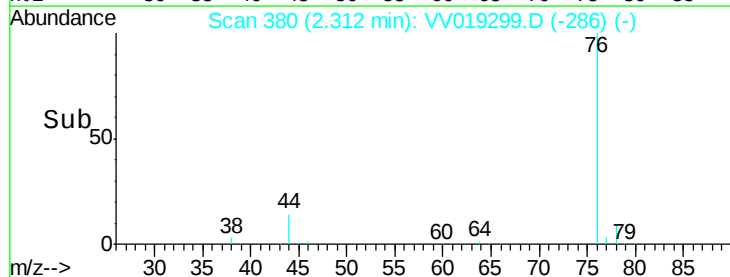
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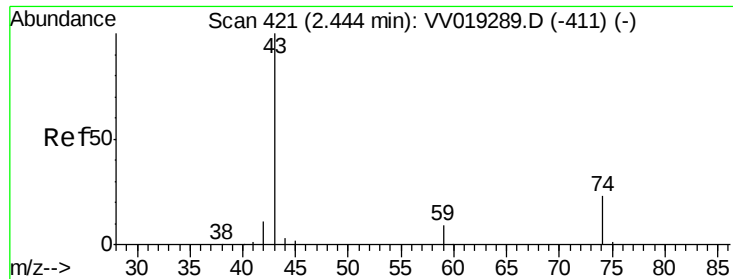
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Time-->

2.25 2.30 2.35 2.40

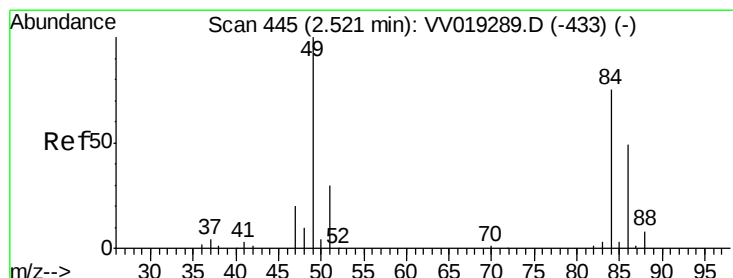
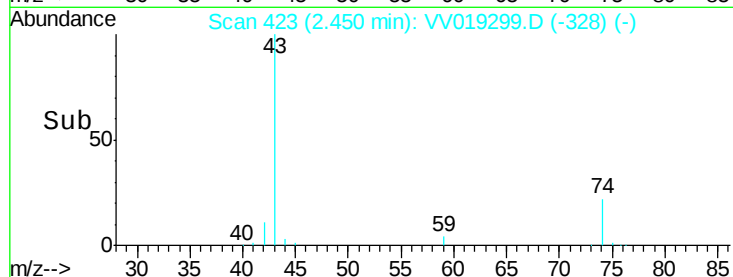
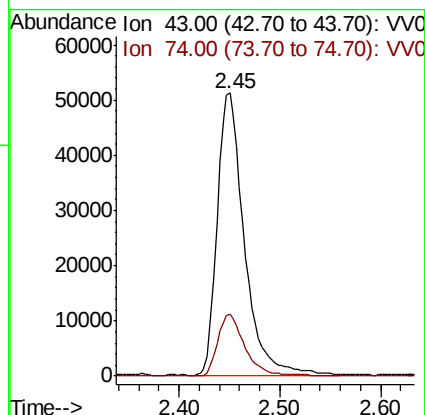
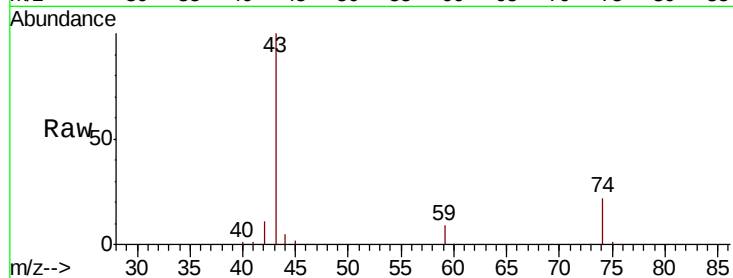




#15
Methvl Acetate
Concen: 51.528 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

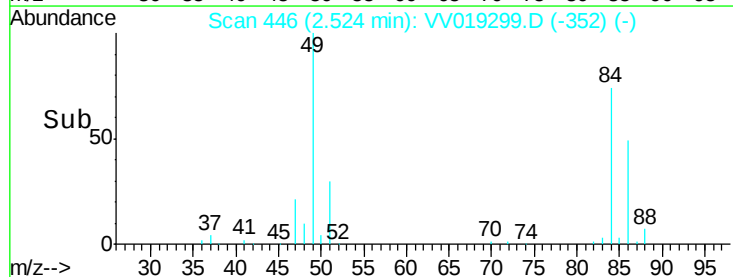
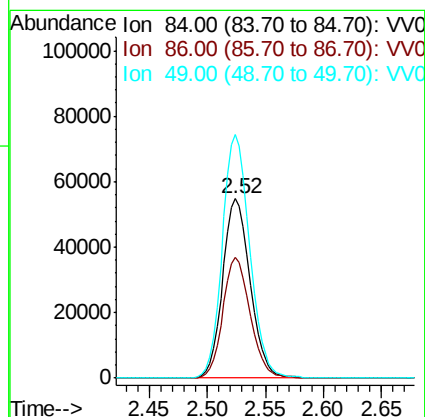
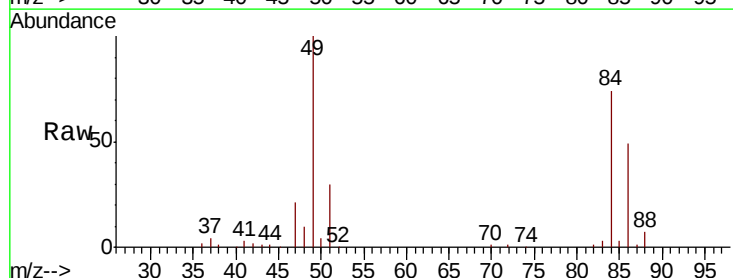
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

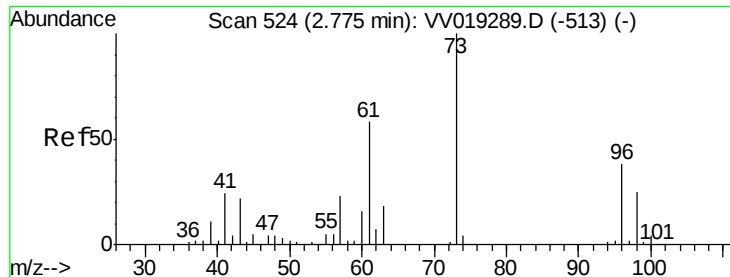
Tot Ion: 43 Resp: 95317
Ion Ratio Lower Upper
43 100
74 22.2 18.4 27.6



#16
Methylene chloride
Concen: 48.885 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Tgt Ion: 84 Resp: 90361
Ion Ratio Lower Upper
84 100
86 67.1 46.0 85.4
49 135.7 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 48.683 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

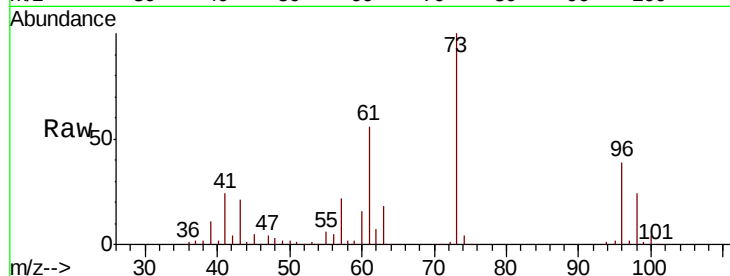
Tot Ion: 96 Resp: 85117

Ion Ratio Lower Upper

96 100

61 143.3 102.4 190.2

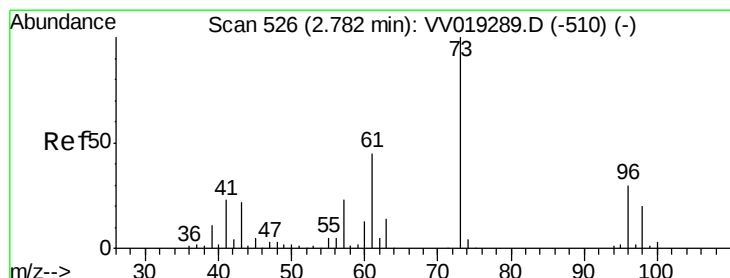
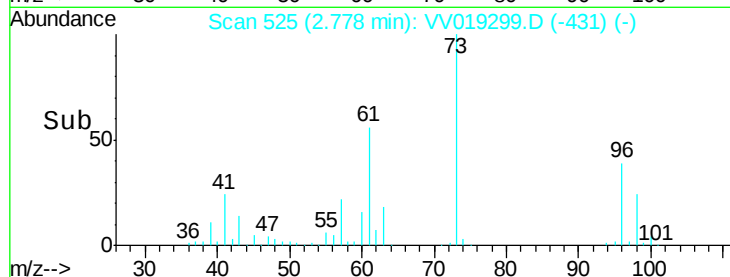
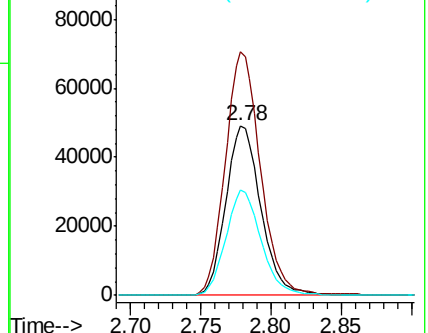
98 61.7 45.9 85.3



Abundance Ion 96.00 (95.70 to 96.70): VV019289.D (-513) (-)

Ion 61.00 (60.70 to 61.70): VV019289.D (-513) (-)

Ion 98.00 (97.70 to 98.70): VV019289.D (-513) (-)



#18

Methyl tert-butyl Ether

Concen: 49.412 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

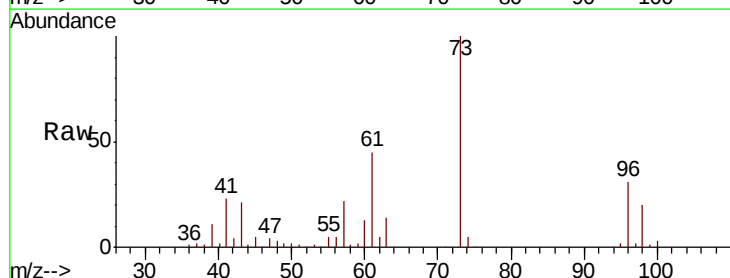
Tgt Ion: 73 Resp: 289278

Ion Ratio Lower Upper

73 100

43 21.3 17.9 26.9

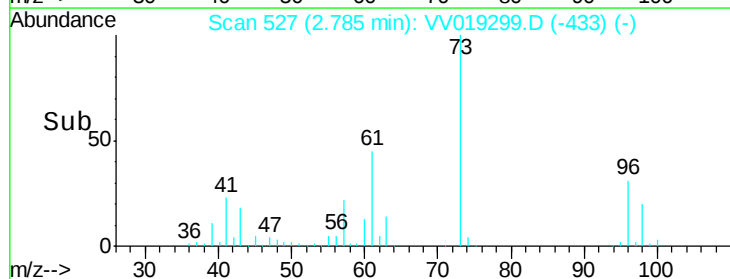
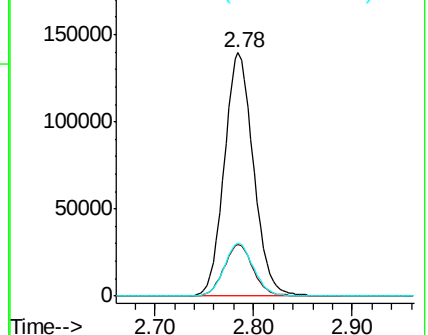
57 21.9 17.1 25.7

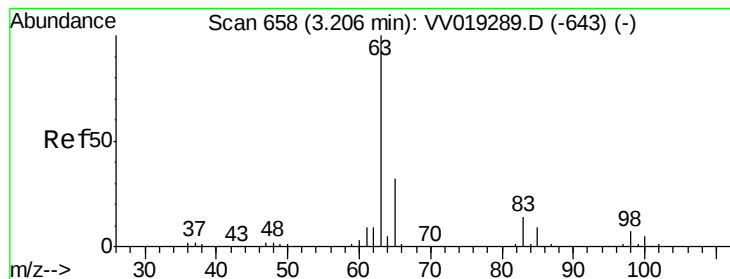


Abundance Ion 73.00 (72.70 to 73.70): VV019289.D (-510) (-)

Ion 43.00 (42.70 to 43.70): VV019289.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VV019289.D (-510) (-)





#19

1,1-Dichloroethane

Concen: 51.138 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampled :

VSTD05090

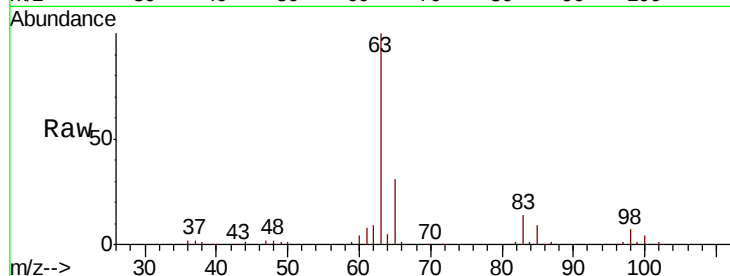
Tot Ion: 63 Resp: 166576

Ion Ratio Lower Upper

63 100

65 31.2 22.0 40.8

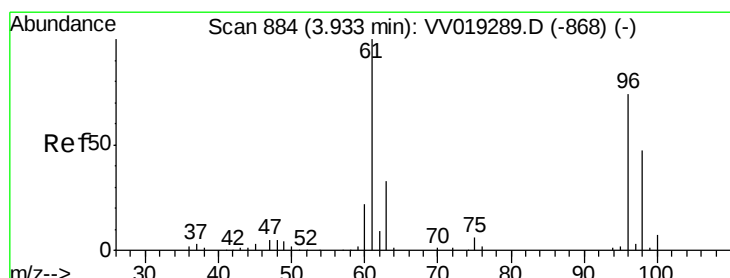
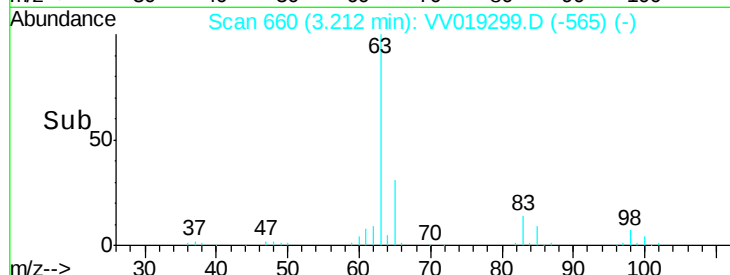
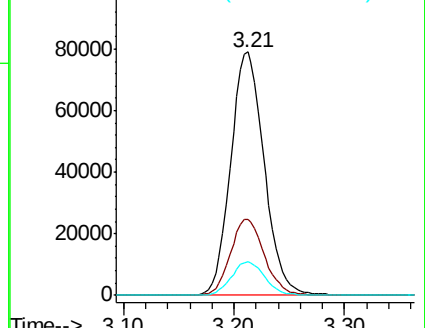
83 13.6 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 47.708 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

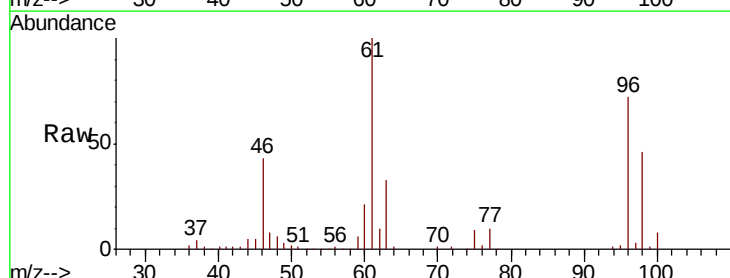
Tgt Ion: 96 Resp: 91545

Ion Ratio Lower Upper

96 100

61 139.4 90.7 168.5

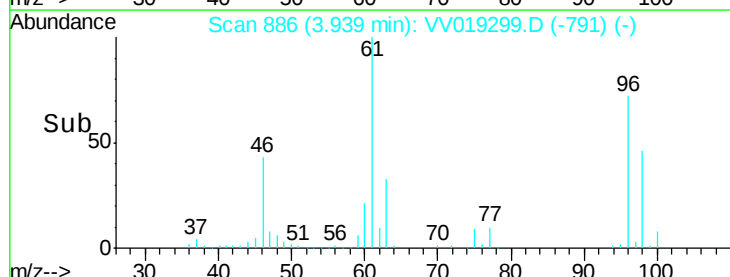
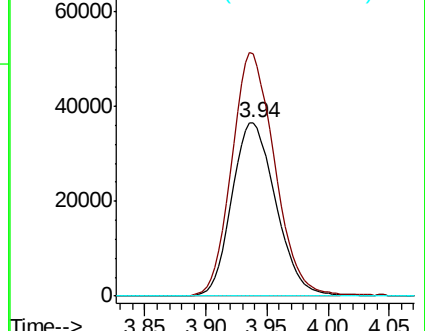
68 0.0 0.0 0.0

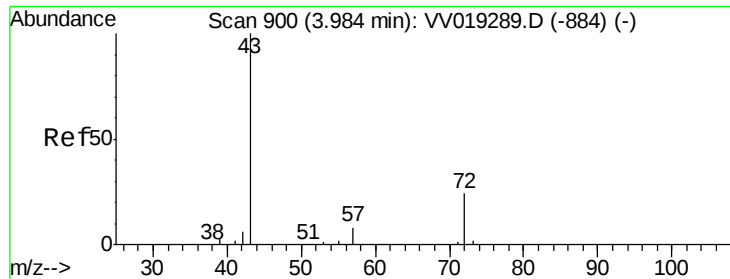


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 107.535 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.01 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

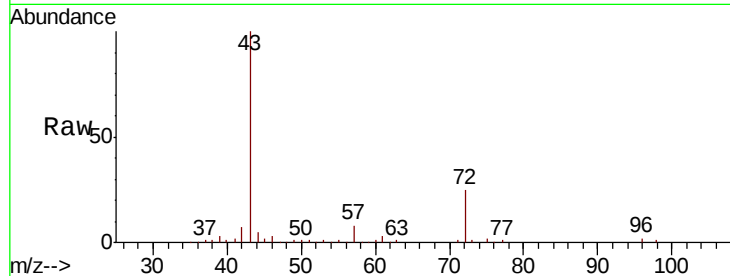
VSTD05090

Tot Ion: 43 Resp: 134447

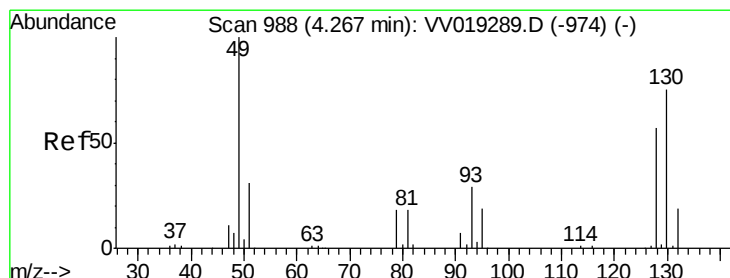
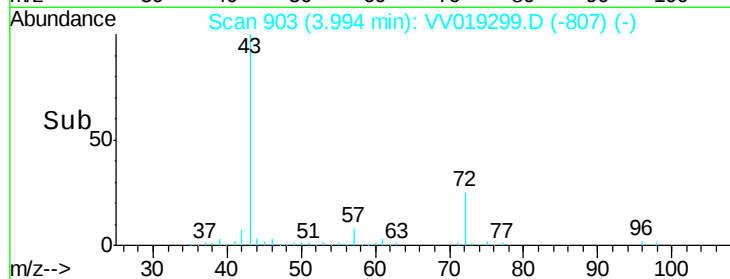
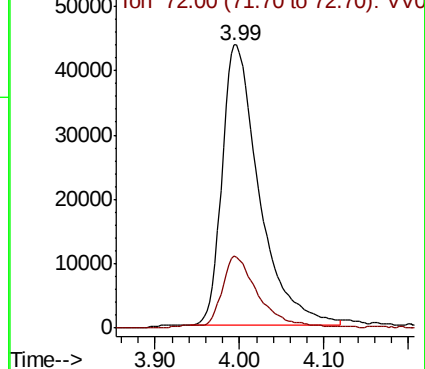
Ion Ratio Lower Upper

43 100

72 24.0 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019299.D (-807) (-)



#23

Bromochloromethane

Concen: 48.546 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.01 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Tgt Ion: 128 Resp: 49987

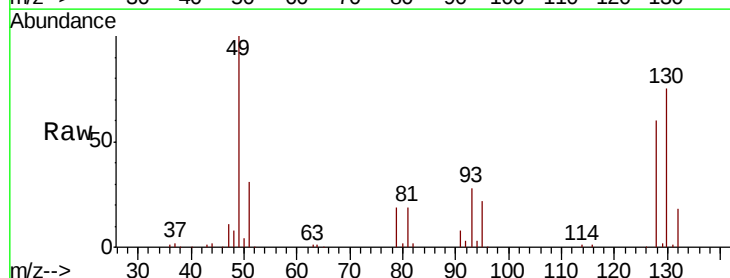
Ion Ratio Lower Upper

128 100

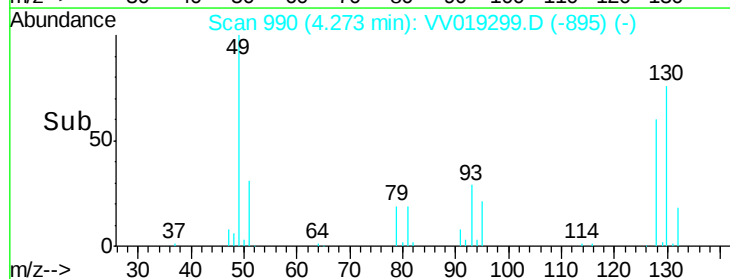
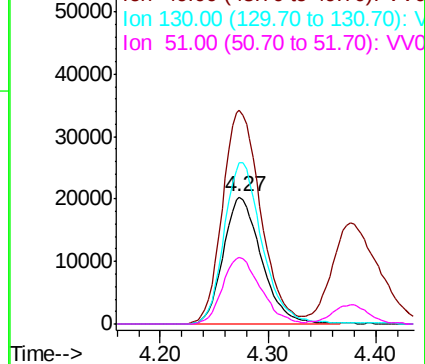
49 167.7 108.5 201.5

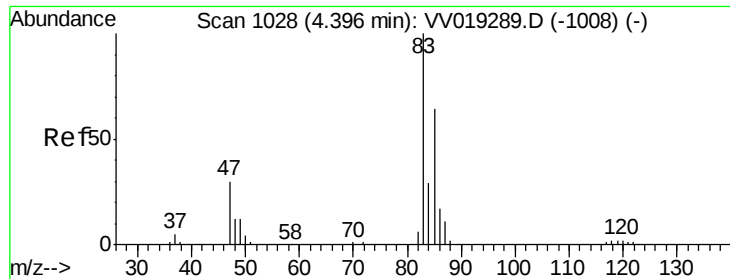
130 126.2 90.4 167.8

51 52.1 36.9 55.3



Abundance Ion 128.00 (127.70 to 128.70): VV019299.D (-895) (-)

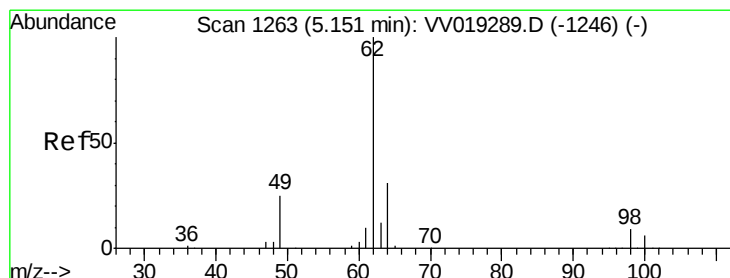
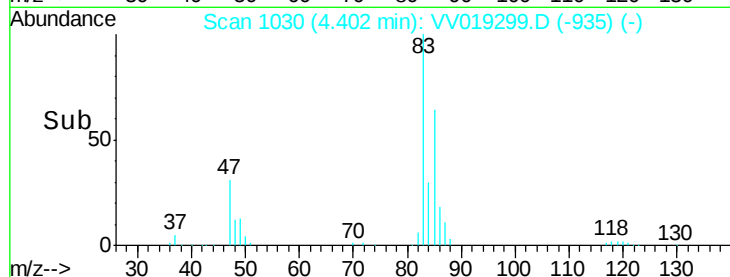
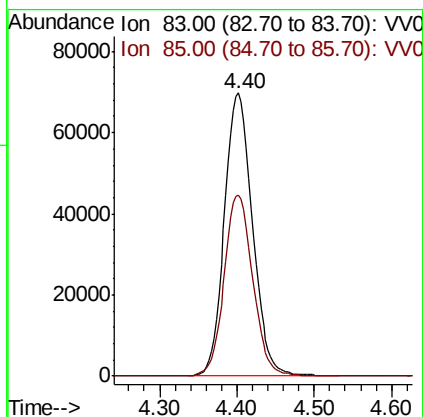
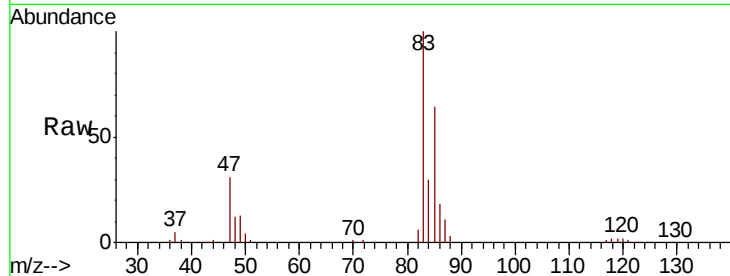




#25
Chloroform
Concen: 49.969 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

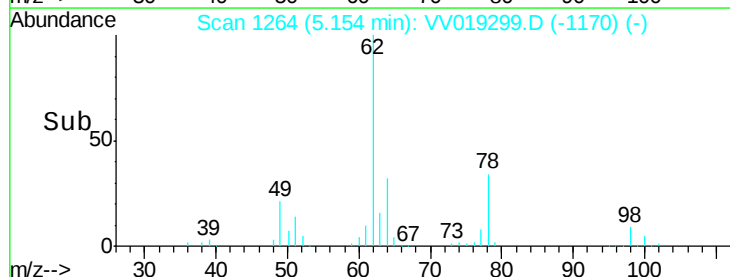
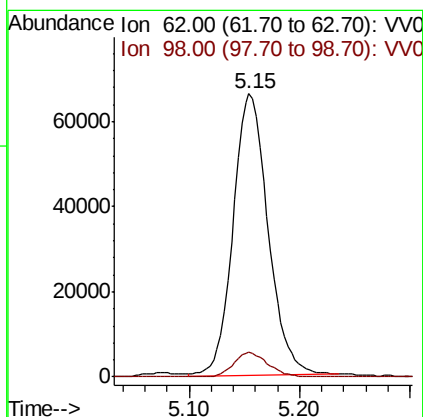
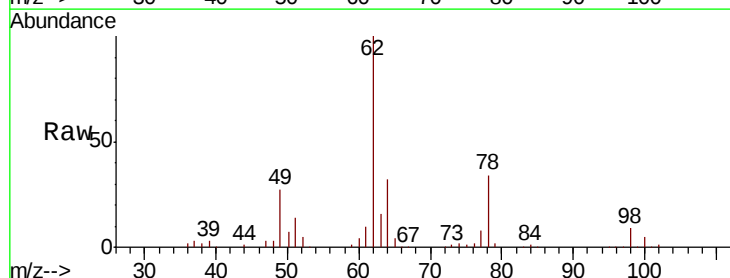
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

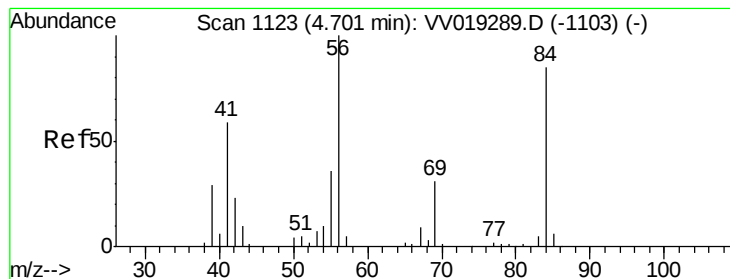
Tot Ion: 83 Resp: 175890
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 48.627 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Tgt Ion: 62 Resp: 145722
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2





#29

Cyclohexane

Concen: 44.295 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

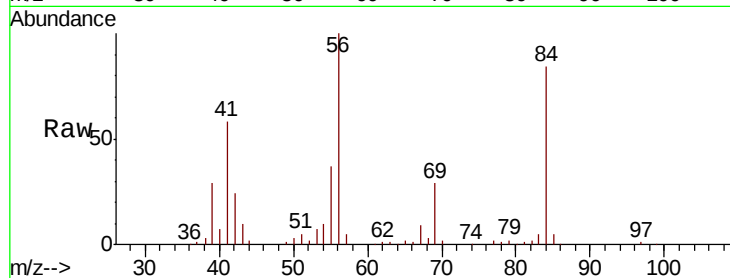
Tot Ion: 56 Resp: 124299

Ion Ratio Lower Upper

56 100

69 30.7 25.0 37.4

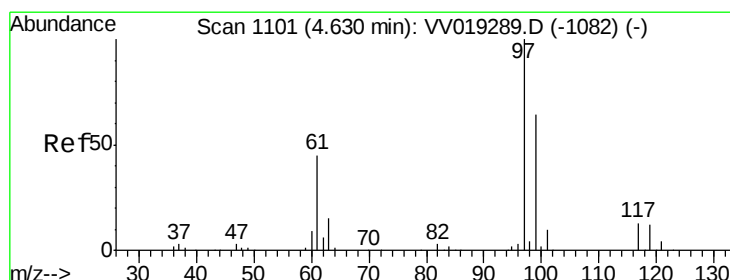
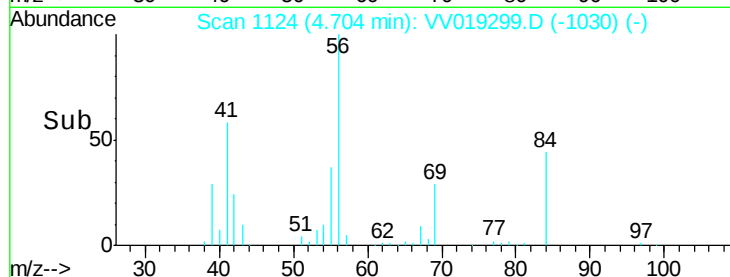
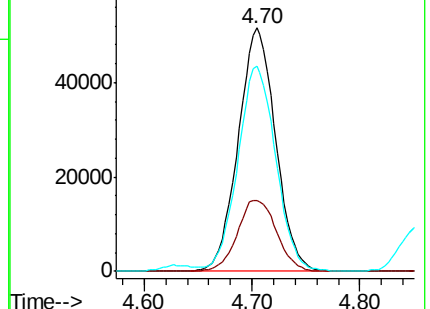
84 85.9 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VV019289.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV019289.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV019289.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 46.131 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

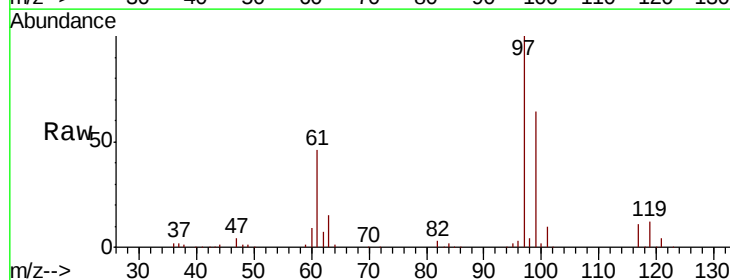
Tgt Ion: 97 Resp: 157133

Ion Ratio Lower Upper

97 100

99 63.7 51.3 76.9

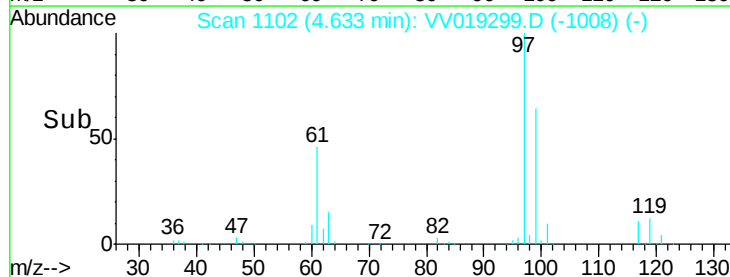
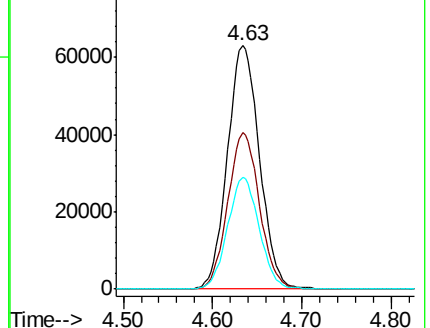
61 45.3 34.6 52.0

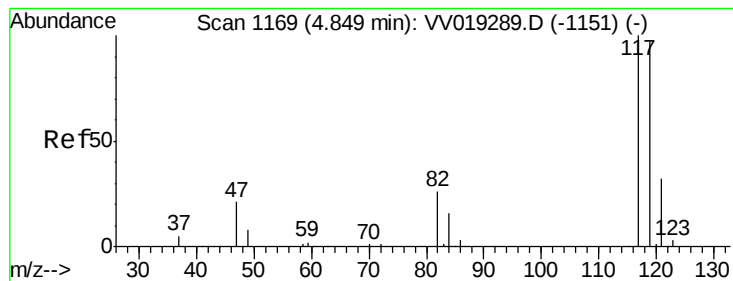


Abundance Ion 97.00 (96.70 to 97.70): VV019289.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV019289.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV019289.D (-1082) (-)





#31

Carbon tetrachloride

Concen: 45.157 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

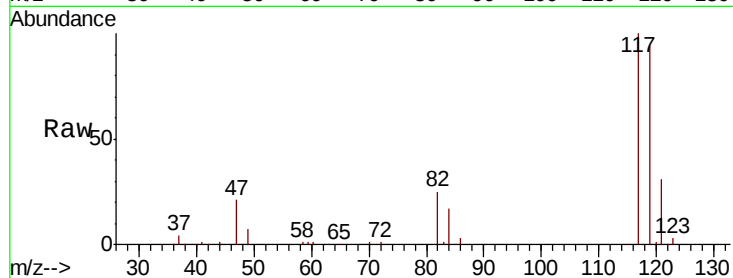
VSTD05090

Tot Ion:117 Resp: 136396

Ion Ratio Lower Upper

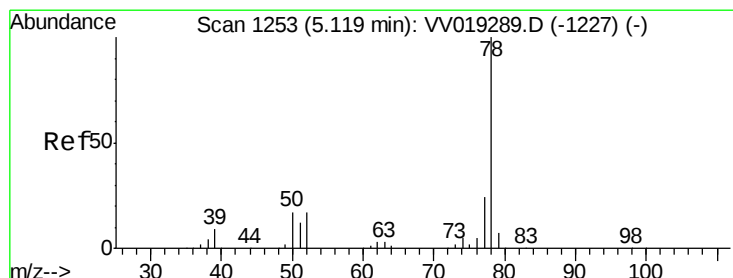
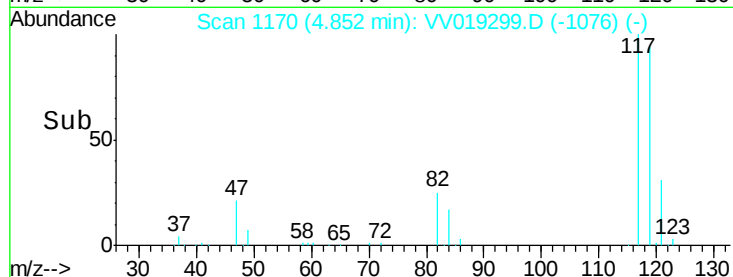
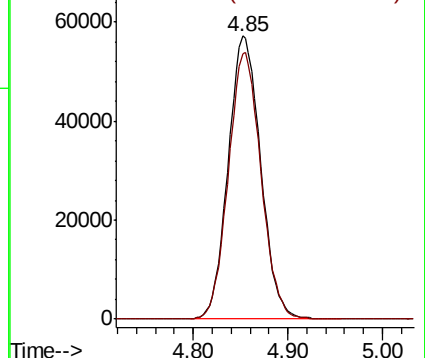
117 100

119 94.5 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.067 ug/L

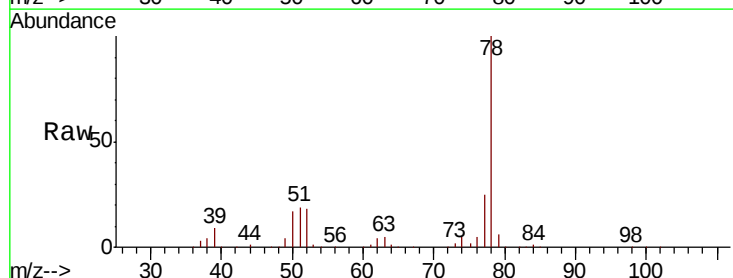
RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

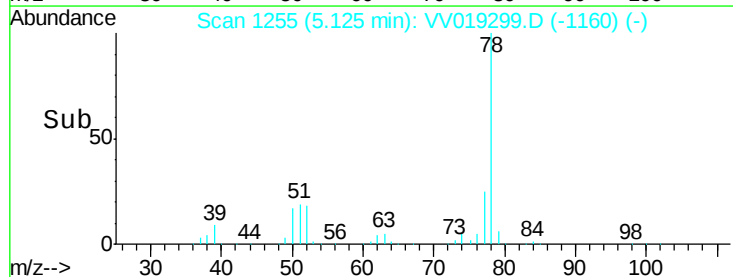
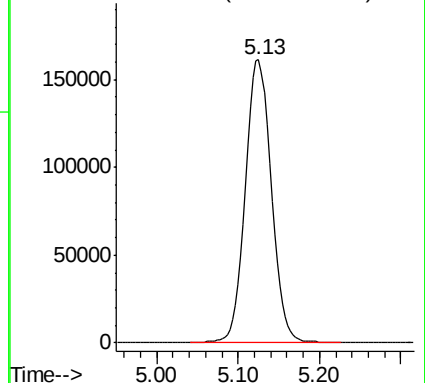
Lab File: VV019299.D

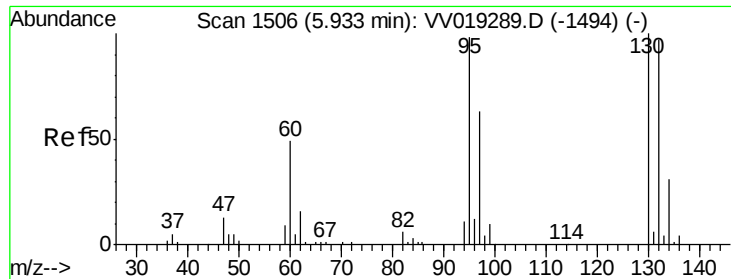
Acq: 06 Nov 2020 16:17

Tgt Ion: 78 Resp: 355600



Abundance Ion 78.00 (77.70 to 78.70): VV0

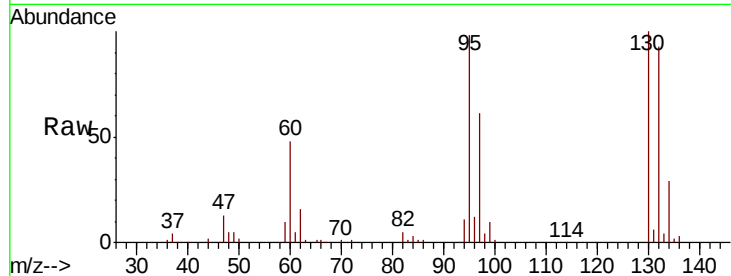




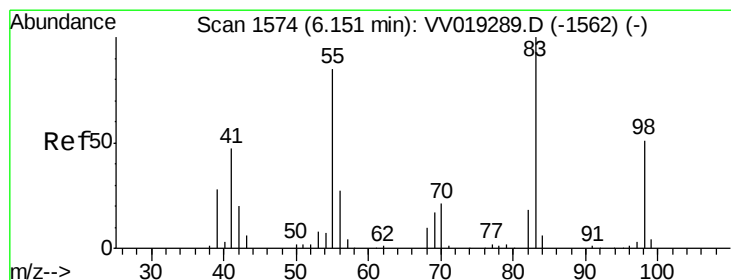
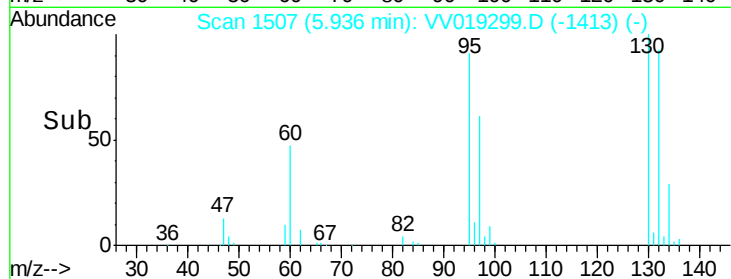
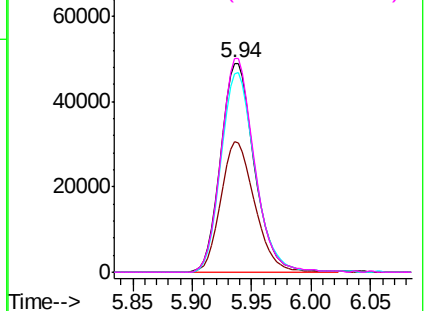
#34
 Trichloroethene
 Concen: 48.396 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV019299.D
 Acq: 06 Nov 2020 16:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Tot Ion: 95 Resp: 96085
 Ion Ratio Lower Upper
 95 100
 97 62.5 43.4 80.6
 132 94.8 69.7 129.4
 130 102.2 72.4 134.5

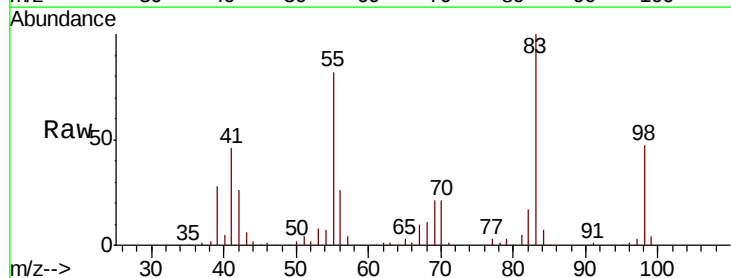


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

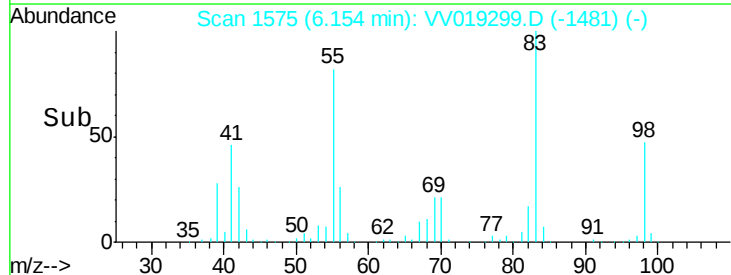
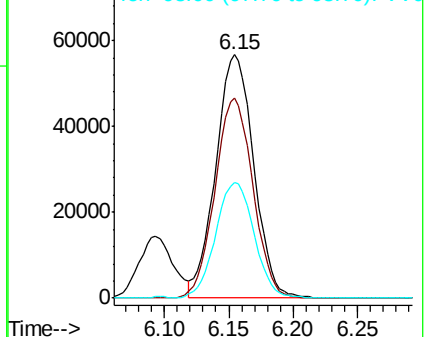


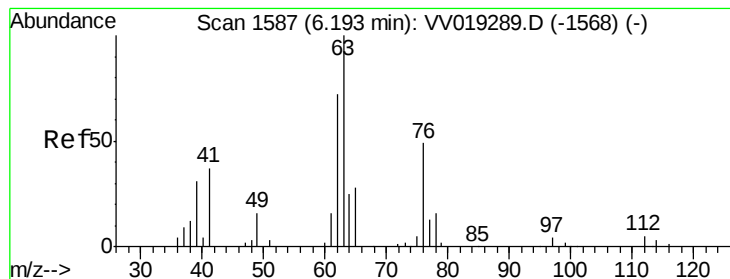
#35
 Methylcyclohexane
 Concen: 43.333 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019299.D
 Acq: 06 Nov 2020 16:17

Tgt Ion: 83 Resp: 116145
 Ion Ratio Lower Upper
 83 100
 55 82.1 62.2 93.4
 98 47.8 39.4 59.2



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: 52.162 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampled :

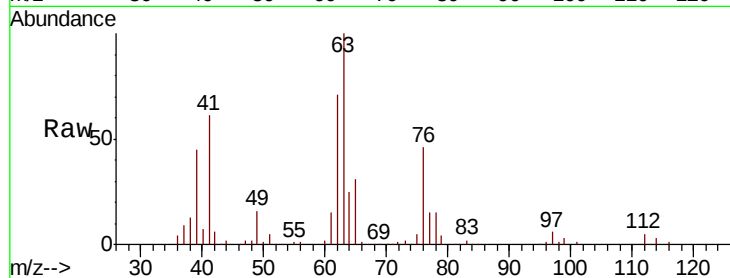
VSTD05090

Tot Ion: 63 Resp: 93881

Ion Ratio Lower Upper

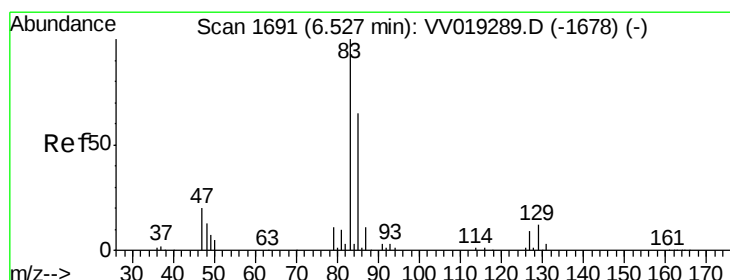
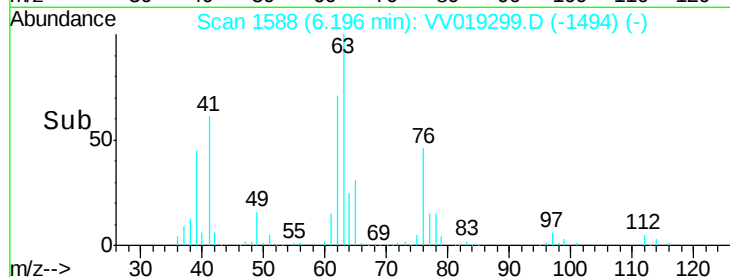
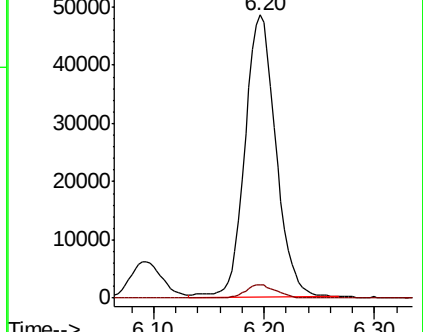
63 100

112 4.7 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV019289.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV019289.D (-1568) (-)



#38

Bromodichloromethane

Concen: 49.060 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

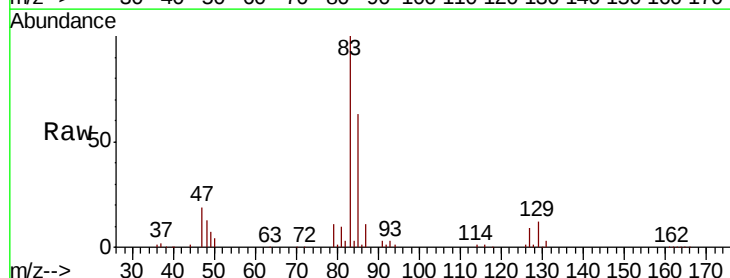
Tgt Ion: 83 Resp: 131353

Ion Ratio Lower Upper

83 100

85 62.8 45.9 85.3

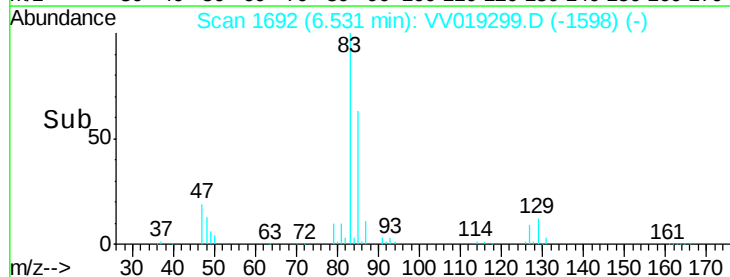
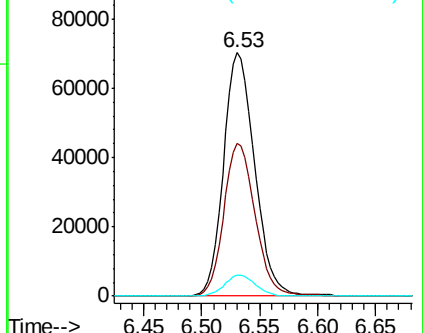
127 8.8 6.9 10.3

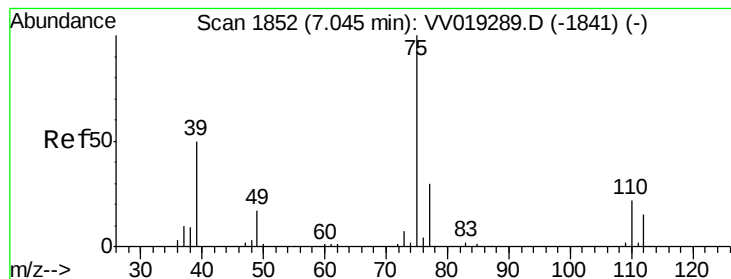


Abundance Ion 83.00 (82.70 to 83.70): VV019289.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV019289.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV019289.D (-1678) (-)



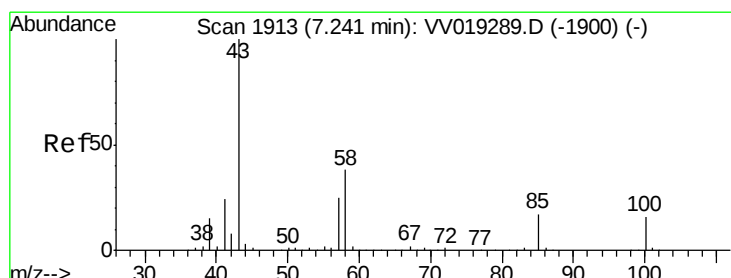
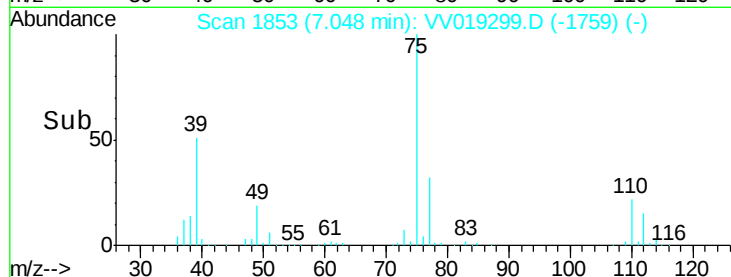
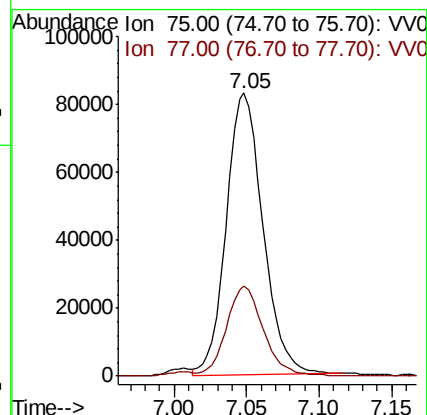
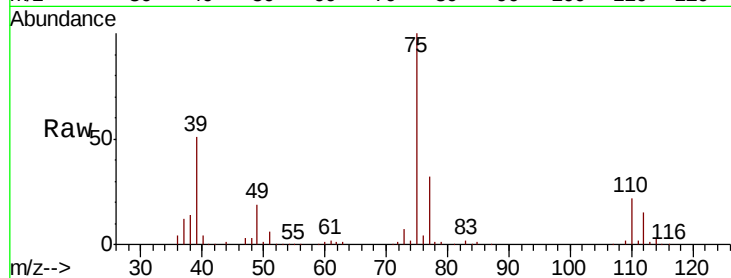


#39

cis-1,3-Dichloropropene
Concen: 49.142 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

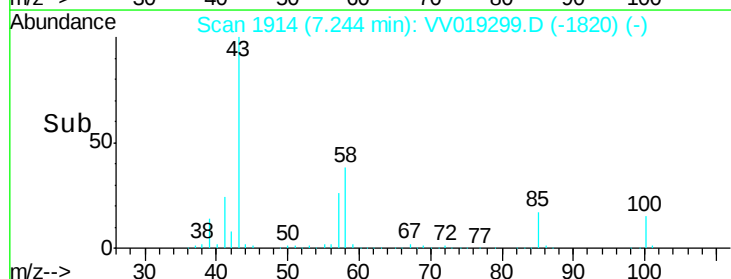
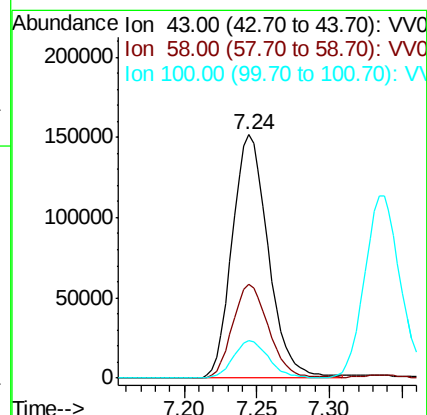
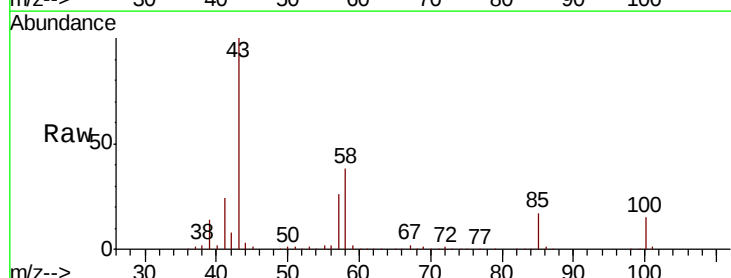
Tot Ion: 75 Resp: 146090
Ion Ratio Lower Upper
75 100
77 31.7 22.7 42.1

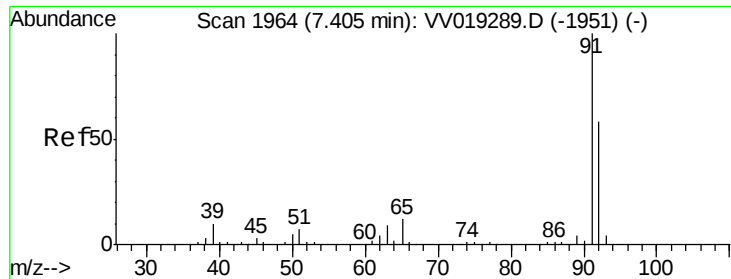


#40

4-Methyl-2-pentanone
Concen: 105.752 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Tgt Ion: 43 Resp: 262565
Ion Ratio Lower Upper
43 100
58 38.5 31.0 46.4
100 15.0 13.2 19.8





#42

Toluene

Concen: 48.466 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

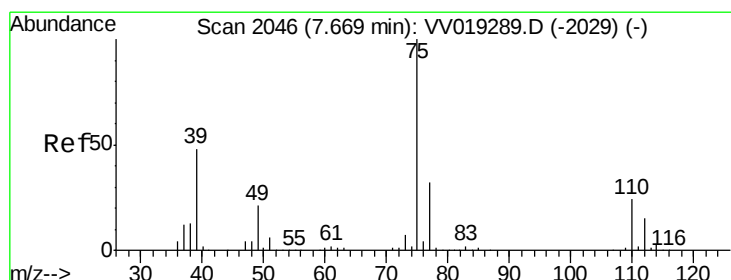
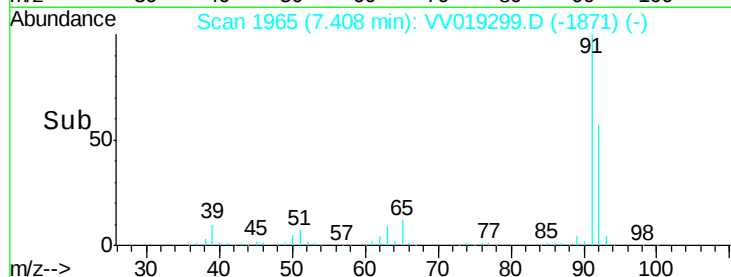
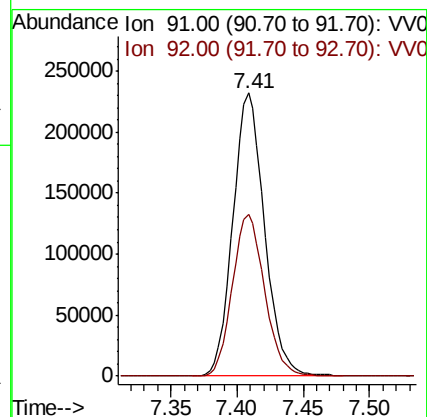
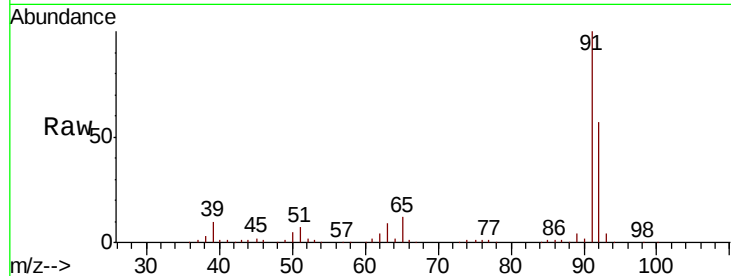
VSTD05090

Tot Ion: 91 Resp: 385054

Ion Ratio Lower Upper

91 100

92 57.2 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 49.142 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019299.D

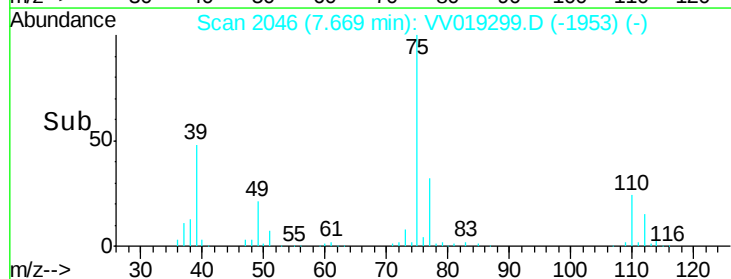
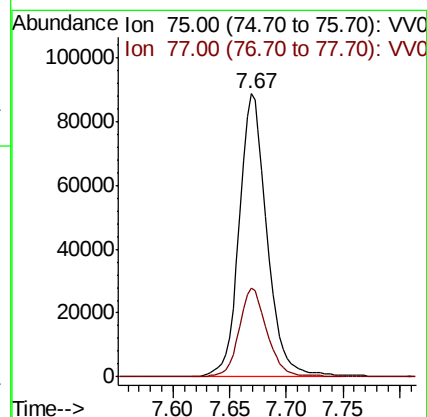
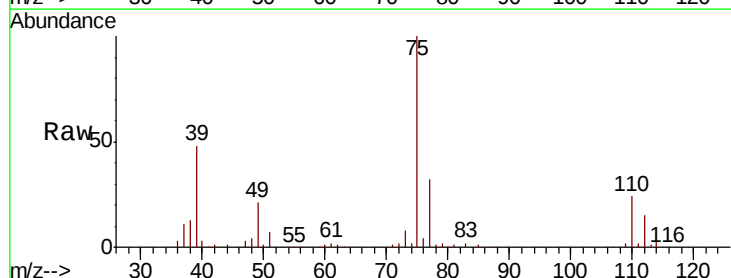
Acq: 06 Nov 2020 16:17

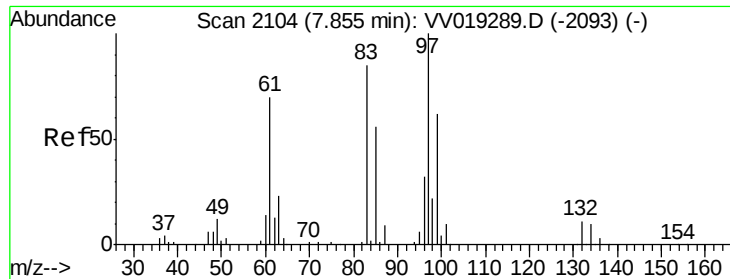
Tgt Ion: 75 Resp: 151973

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4

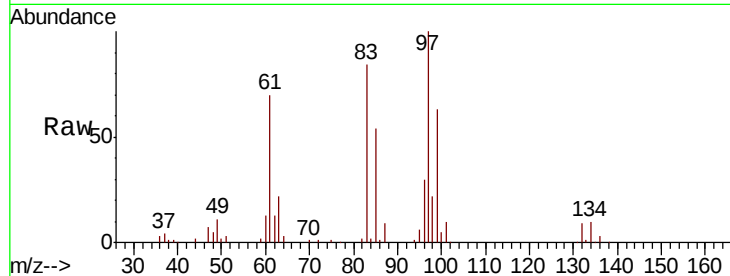




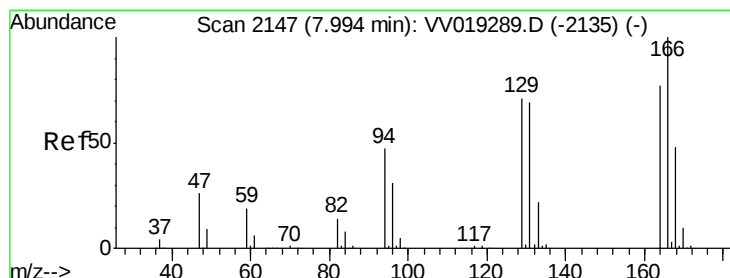
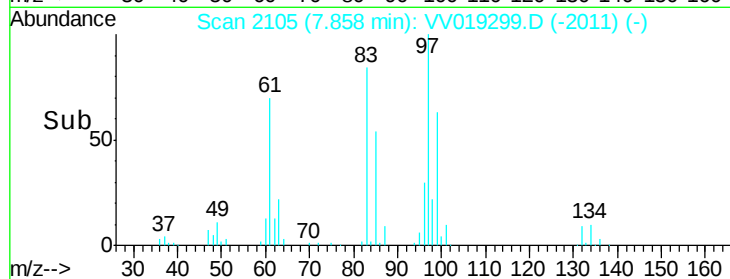
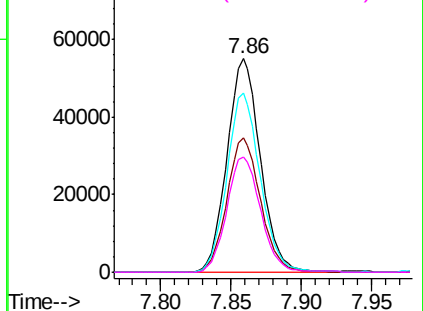
#45
1,1,2-Trichloroethane
Concen: 50.495 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

Tot Ion:	97	Resp:	91147
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.1	80.1
83	83.8	58.3	108.3
85	53.8	37.8	70.2

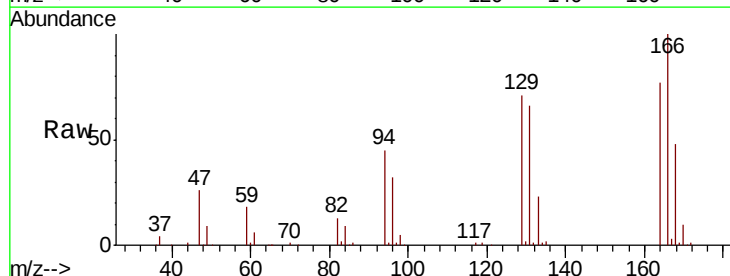


Abundance Ion 97.00 (96.70 to 97.70): VV019299.D (-2105) (-)

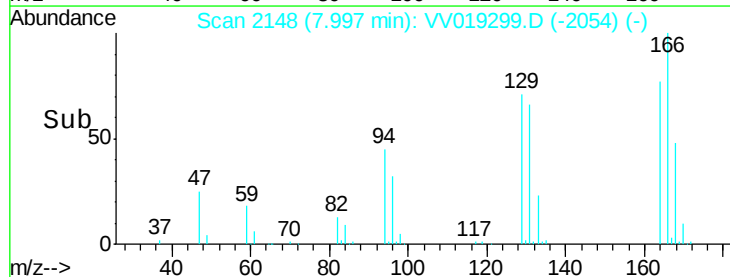
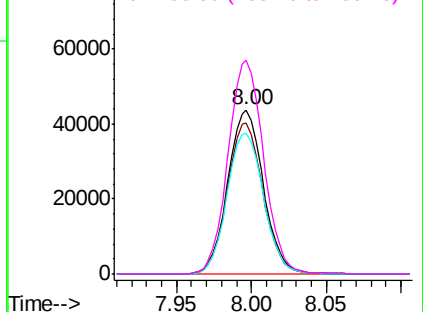


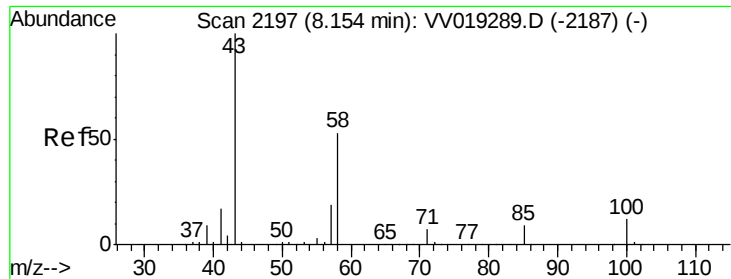
#46
Tetrachloroethene
Concen: 42.843 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Tgt Ion:	164	Resp:	72632
Ion	Ratio	Lower	Upper
164	100		
129	91.8	63.2	117.4
131	85.5	60.3	112.1
166	130.0	88.3	163.9



Abundance Ion 164.00 (163.70 to 164.70): VV019299.D (-2148) (-)

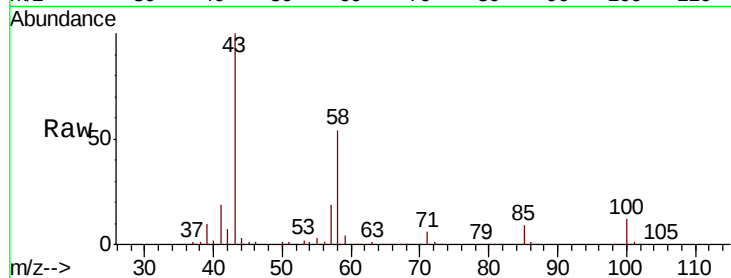




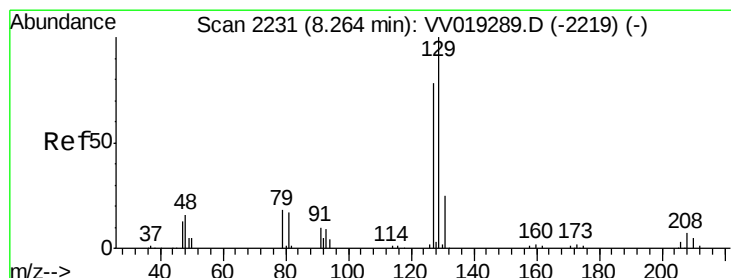
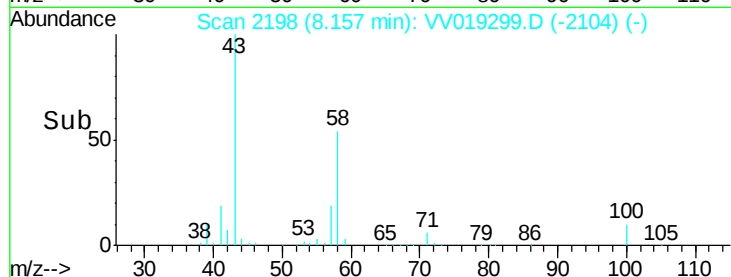
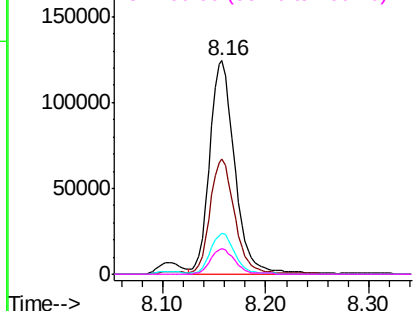
#48
2-Hexanone
Concen: 105.982 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

Tot Ion: 43 Resp: 209152
Ion Ratio Lower Upper
43 100
58 52.3 43.6 65.4
57 18.4 16.0 24.0
100 12.0 10.3 15.5

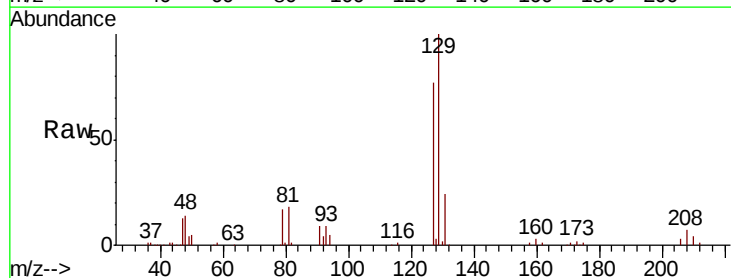


Abundance Ion 43.00 (42.70 to 43.70): VV019299.D (-2187) (-)
Ion 58.00 (57.70 to 58.70): VV019299.D (-2187) (-)
Ion 57.00 (56.70 to 57.70): VV019299.D (-2187) (-)
Ion 100.00 (99.70 to 100.70): VV019299.D (-2187) (-)

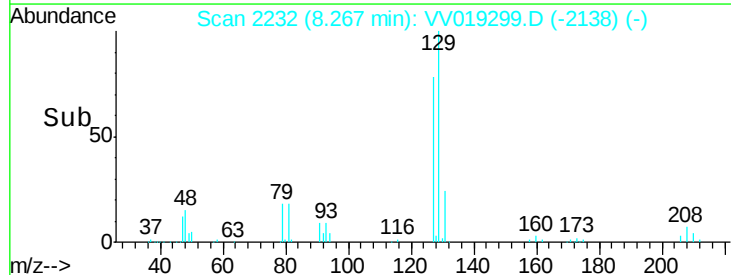
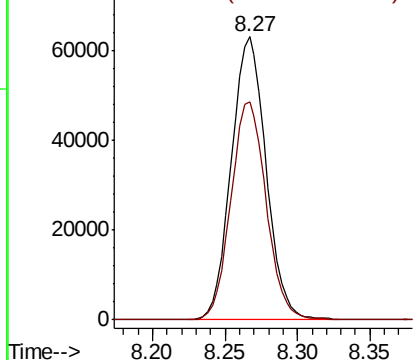


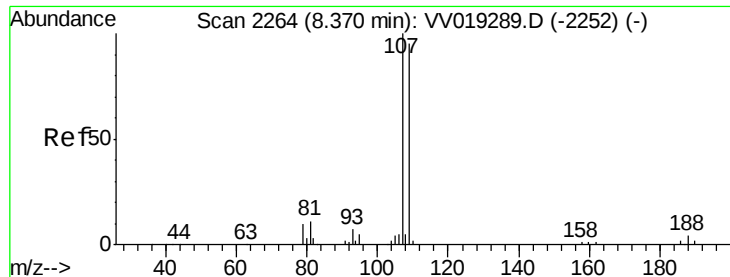
#49
Dibromochloromethane
Concen: 48.066 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Tgt Ion: 129 Resp: 105050
Ion Ratio Lower Upper
129 100
127 77.1 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV019289.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV019289.D (-2219) (-)

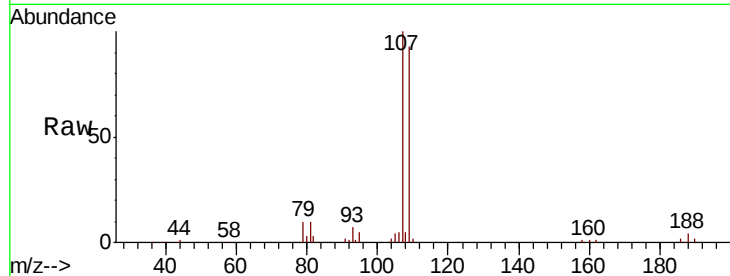




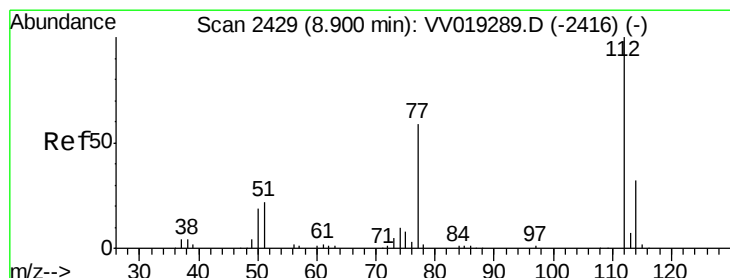
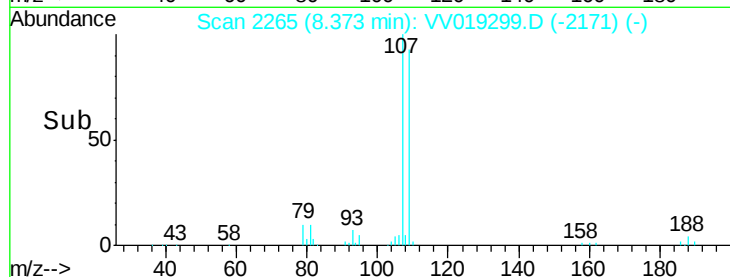
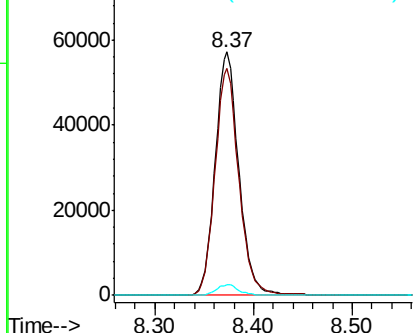
#50
1,2-Dibromoethane
Concen: 49.866 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

Tot Ion:107 Resp: 96034
Ion Ratio Lower Upper
107 100
109 93.3 65.7 121.9
188 4.2 3.4 5.2

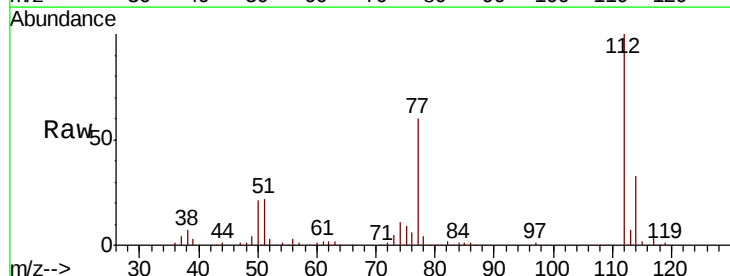


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

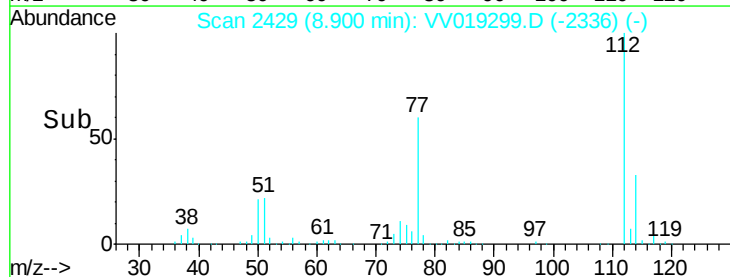
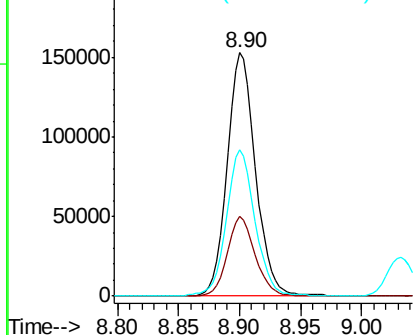


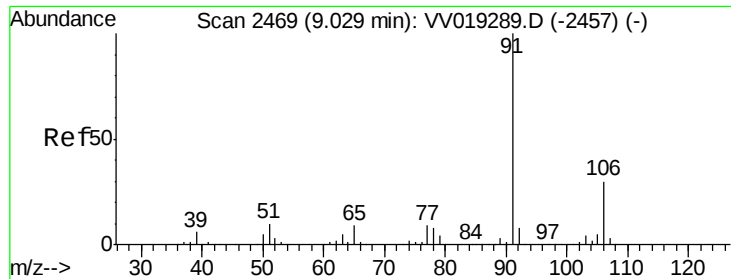
#51
Chlorobenzene
Concen: 47.808 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Tgt Ion:112 Resp: 249027
Ion Ratio Lower Upper
112 100
114 32.6 22.3 41.5
77 60.3 46.7 70.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

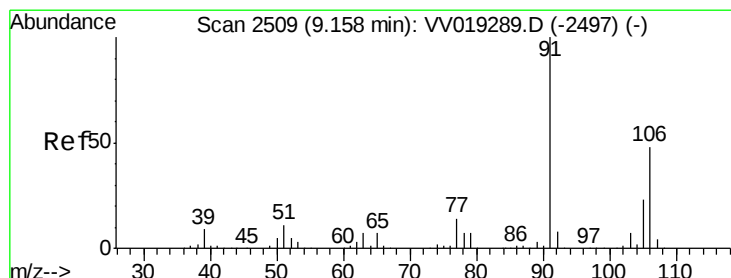
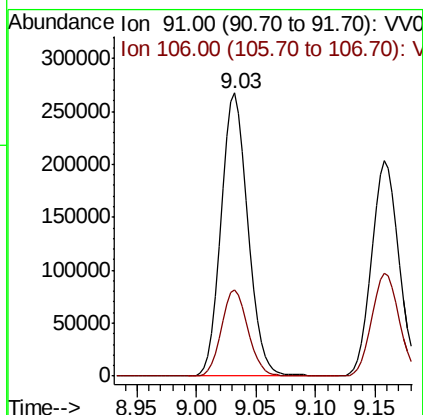
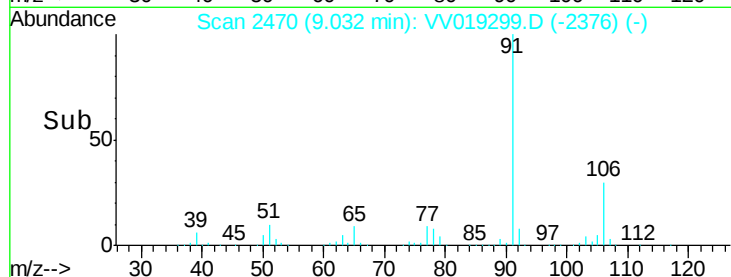
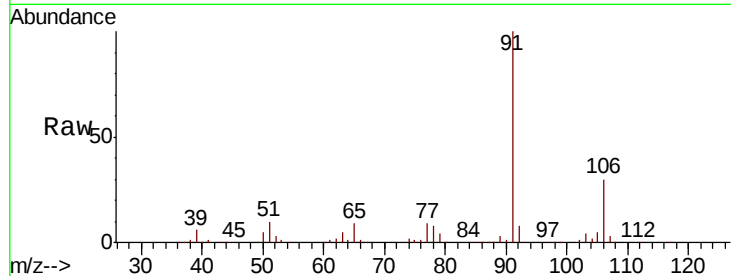




#52
Ethylbenzene
Concen: 47.826 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

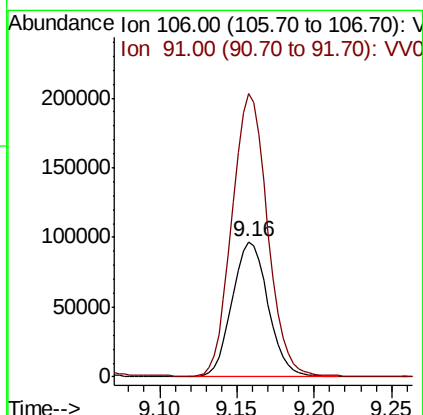
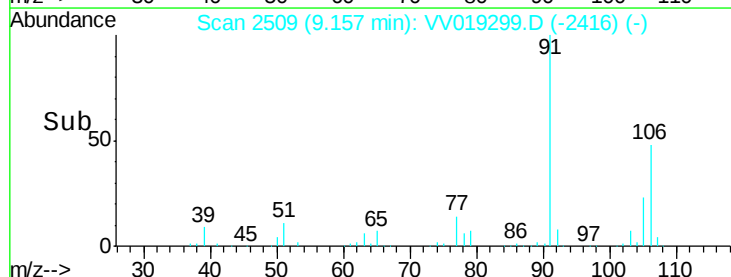
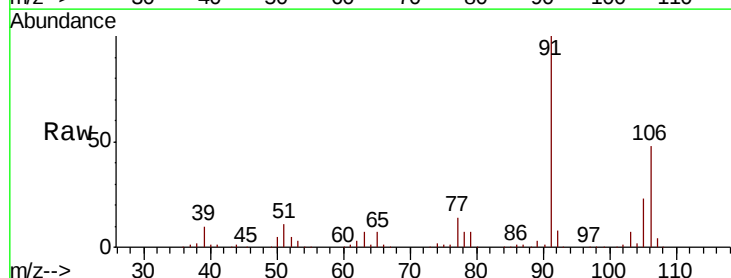
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

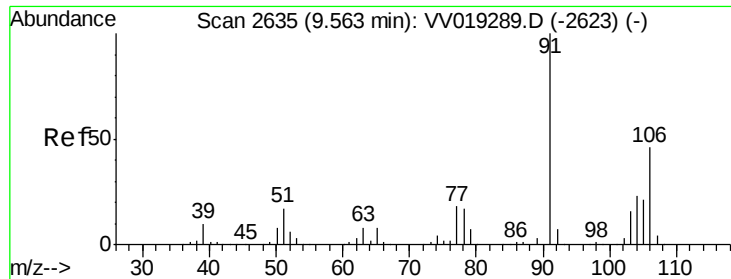
Tot Ion: 91 Resp: 418695
Ion Ratio Lower Upper
91 100
106 30.4 21.6 40.0



#53
m,p-Xylene
Concen: 46.997 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV019299.D
Acq: 06 Nov 2020 16:17

Tgt Ion: 106 Resp: 155401
Ion Ratio Lower Upper
106 100
91 209.5 145.4 270.0





#54

o-xylene

Concen: 48.321 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

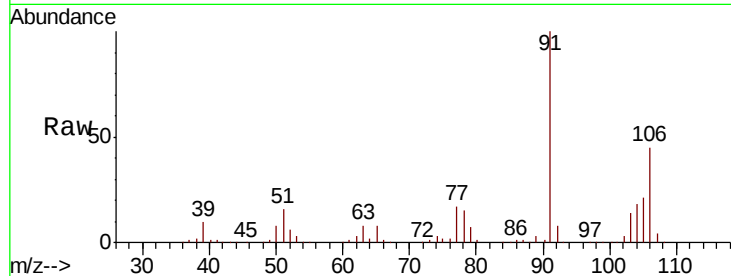
VSTD05090

Tot Ion:106 Resp: 153404

Ion Ratio Lower Upper

106 100

91 220.3 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

250000

200000

150000

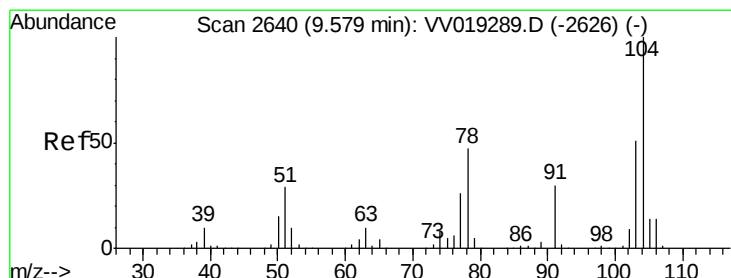
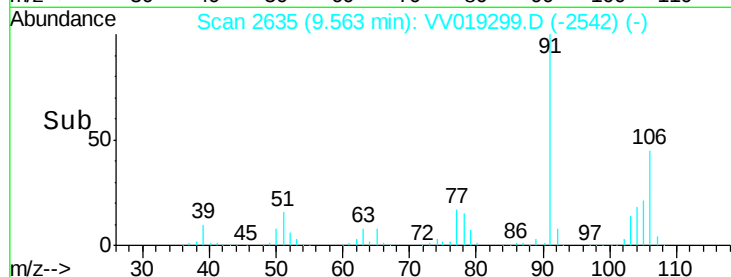
100000

50000

0

9.50 9.55 9.60 9.65

Time-->



#55

Styrene

Concen: 48.975 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV019299.D

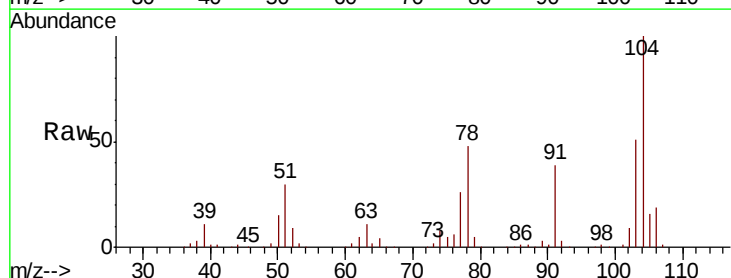
Acq: 06 Nov 2020 16:17

Tgt Ion:104 Resp: 275572

Ion Ratio Lower Upper

104 100

78 48.0 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

200000

150000

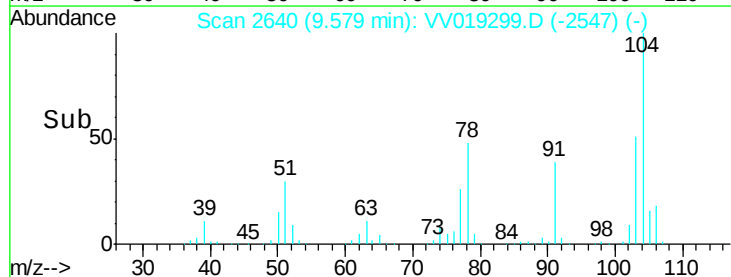
100000

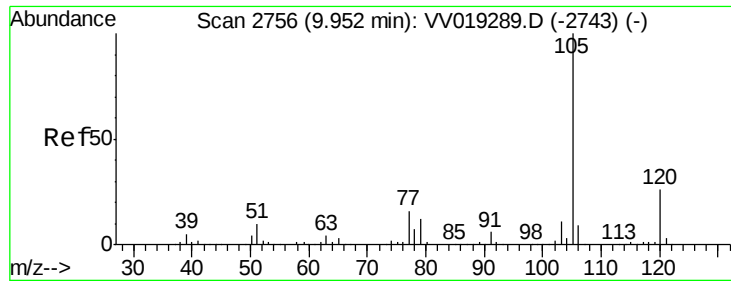
50000

0

9.50 9.55 9.60 9.65

Time-->





#56

Isopropylbenzene

Concen: 46.810 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

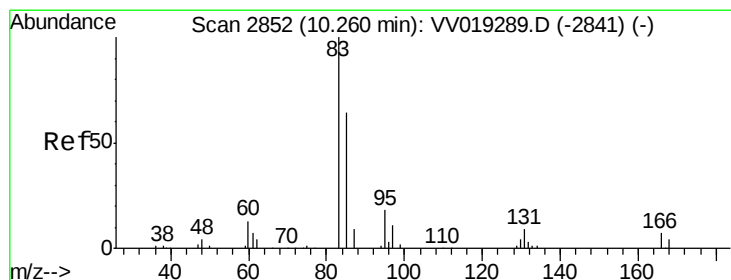
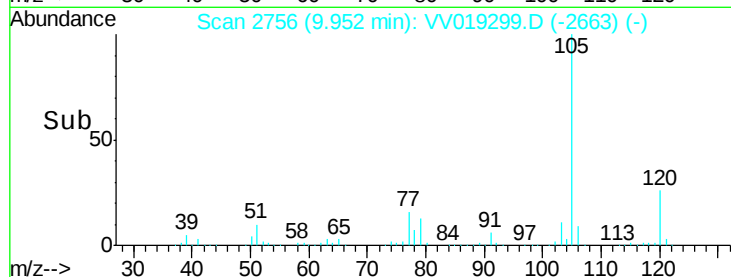
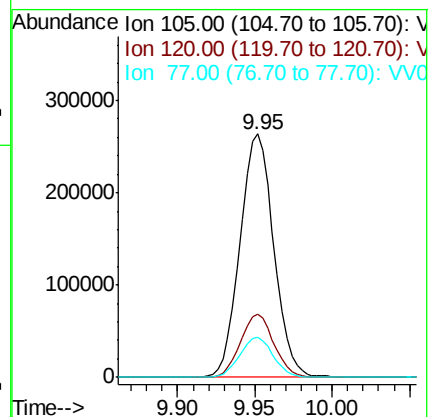
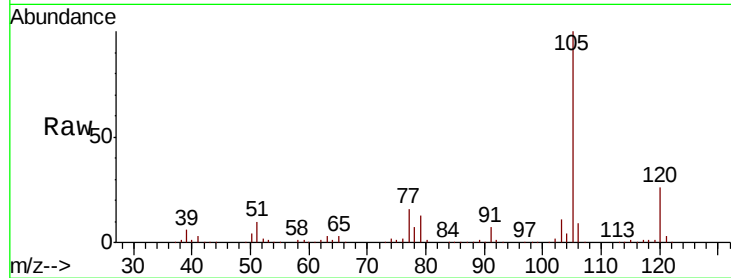
Tot Ion:105 Resp: 399368

Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

77 16.3 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 50.006 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

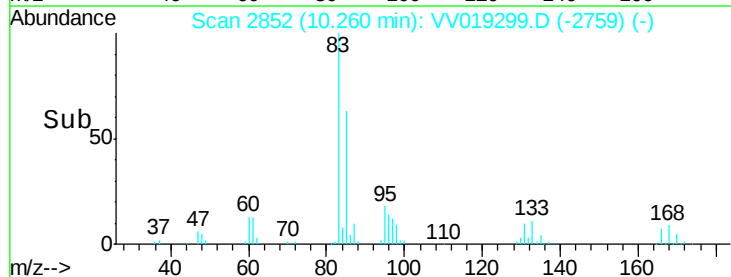
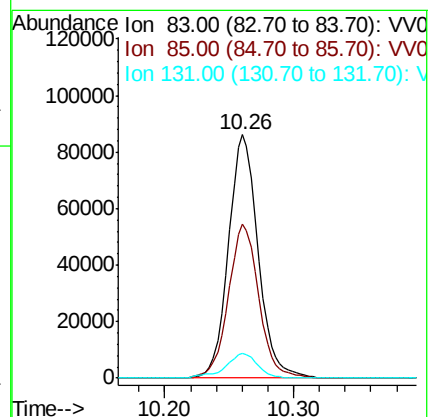
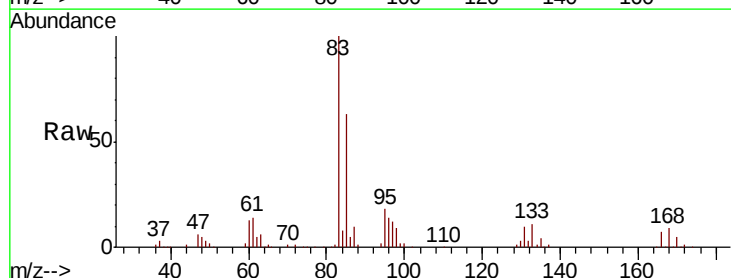
Tgt Ion: 83 Resp: 137444

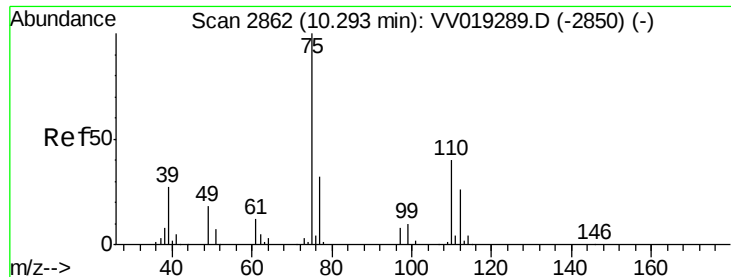
Ion Ratio Lower Upper

83 100

85 63.0 45.8 85.0

131 10.1 8.9 13.3

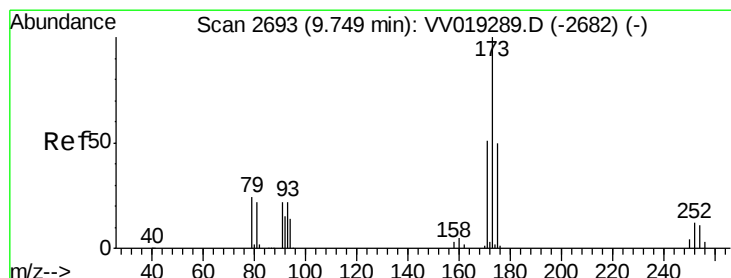
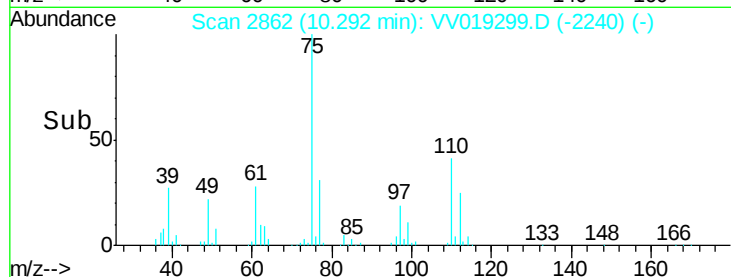
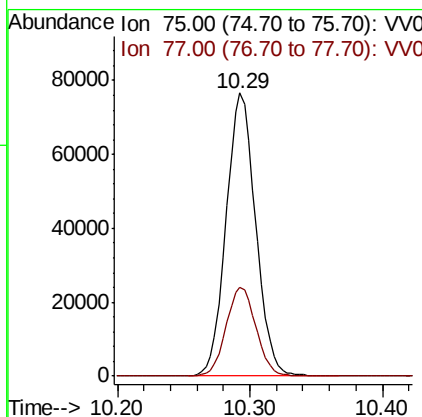
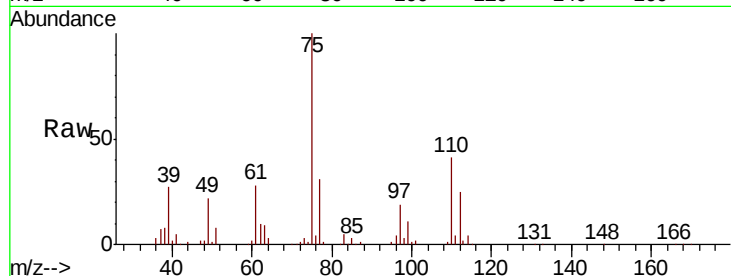




#59
 1,2,3-Trichloropropane
 Concen: 50.360 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV019299.D
 Acq: 06 Nov 2020 16:17

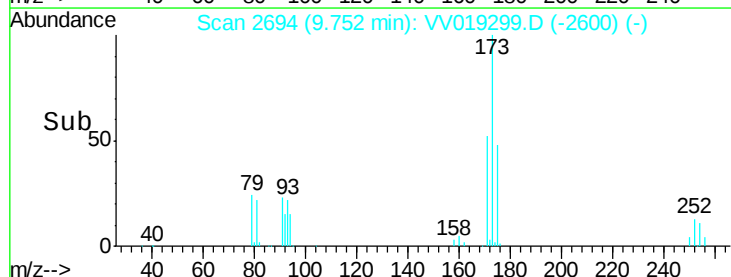
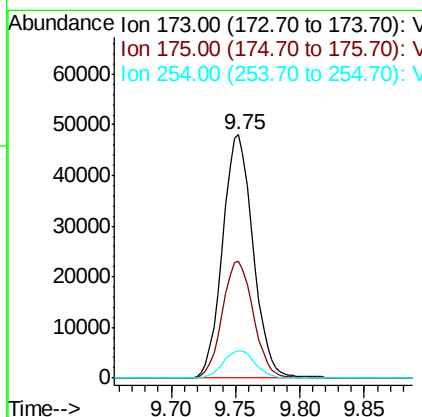
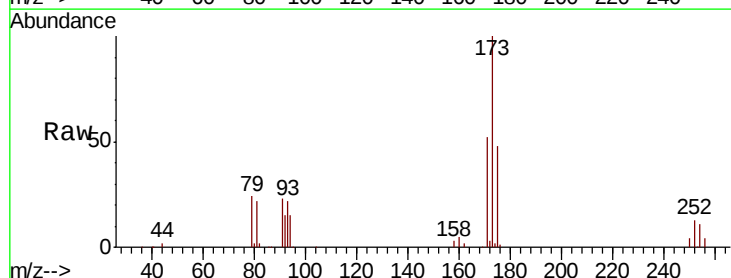
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

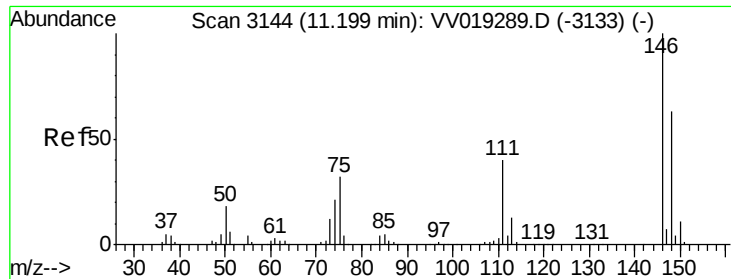
Tot Ion: 75 Resp: 118490
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.2 39.4



#61
 Bromoform
 Concen: 47.016 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV019299.D
 Acq: 06 Nov 2020 16:17

Tgt Ion: 173 Resp: 79091
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.8 59.6
 254 11.7 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 47.168 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

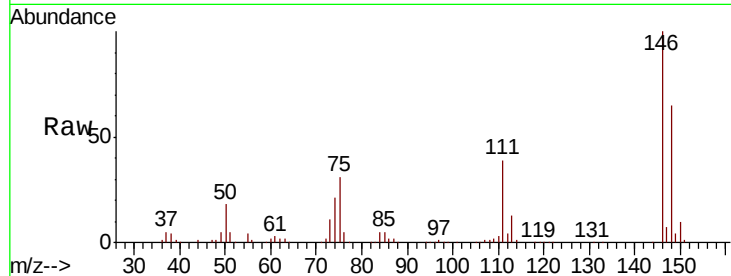
Tot Ion:146 Resp: 202894

Ion Ratio Lower Upper

146 100

111 39.3 27.1 50.3

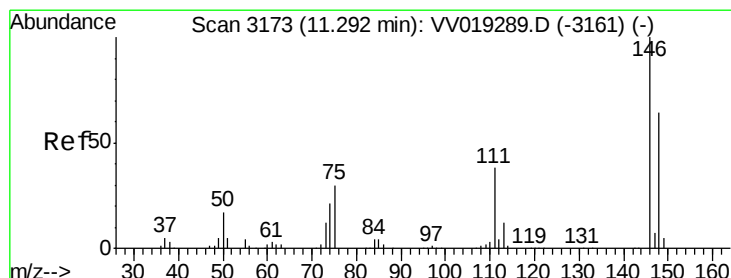
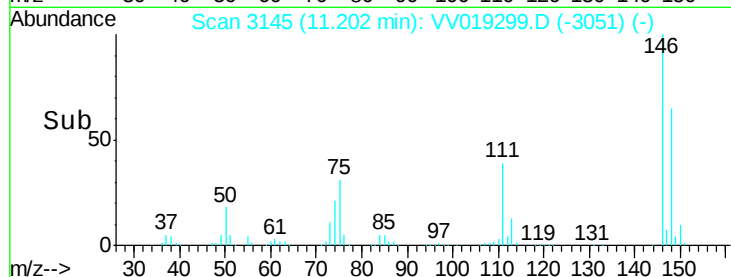
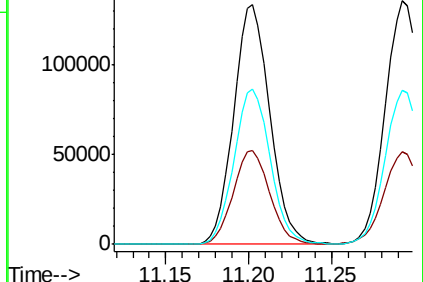
148 65.0 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 46.472 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

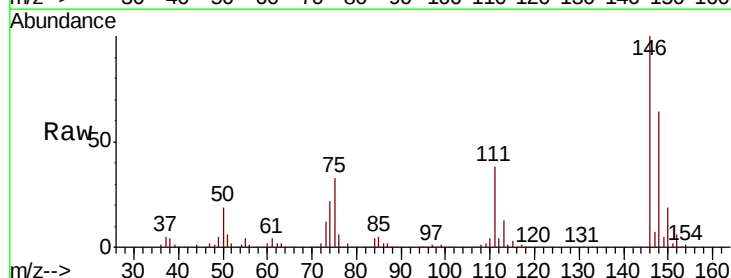
Tgt Ion:146 Resp: 207747

Ion Ratio Lower Upper

146 100

111 38.1 25.8 48.0

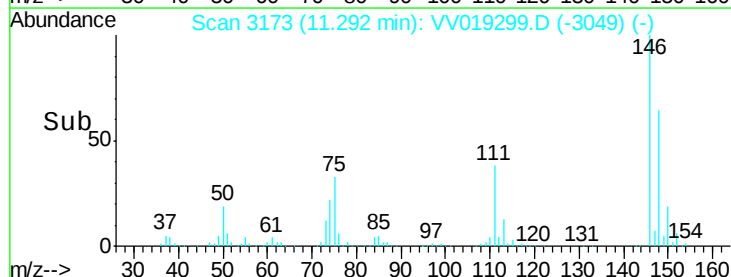
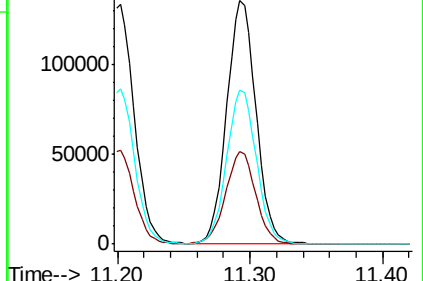
148 63.5 44.0 81.6

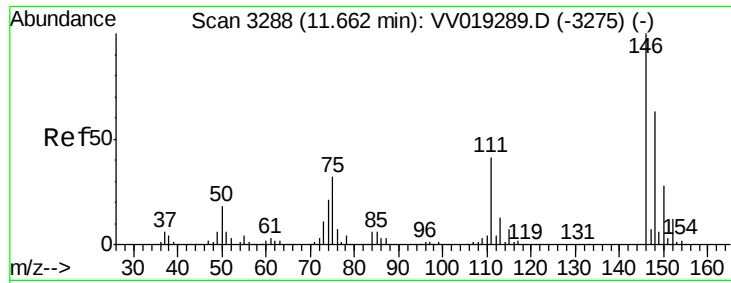


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.127 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

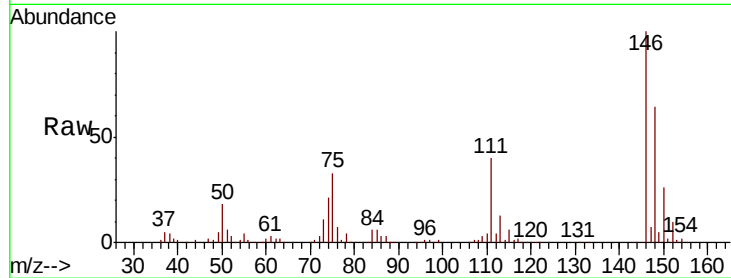
Tot Ion:146 Resp: 205078

Ion Ratio Lower Upper

146 100

111 40.4 32.2 48.4

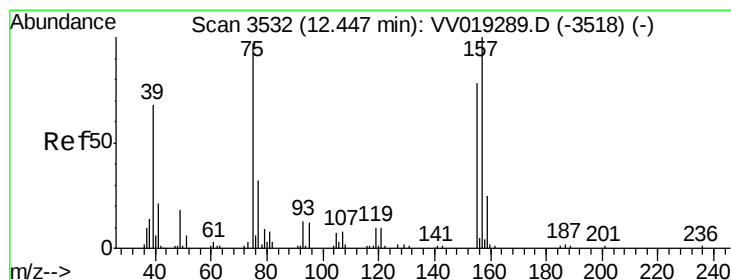
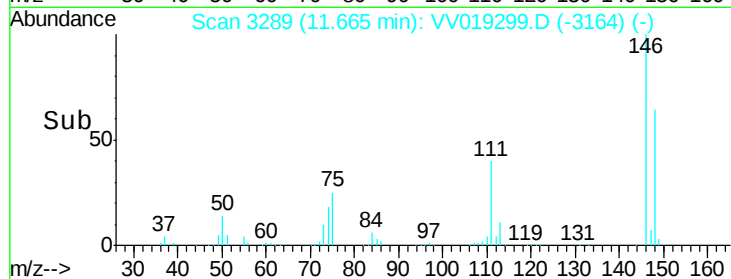
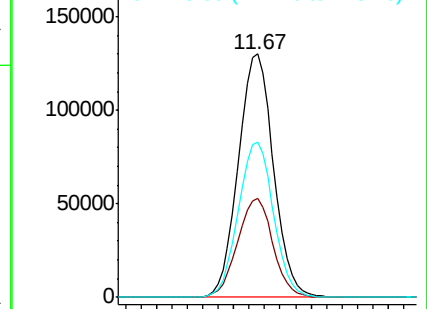
148 63.9 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 46.678 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

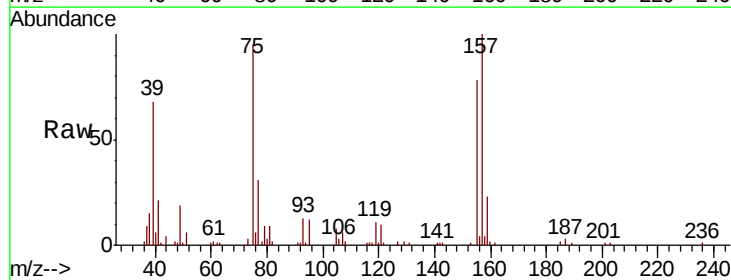
Tgt Ion: 75 Resp: 34034

Ion Ratio Lower Upper

75 100

155 82.0 71.1 106.7

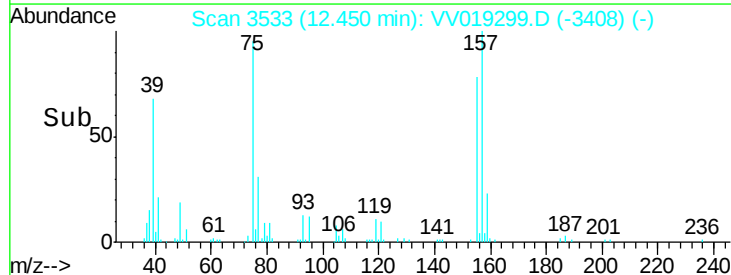
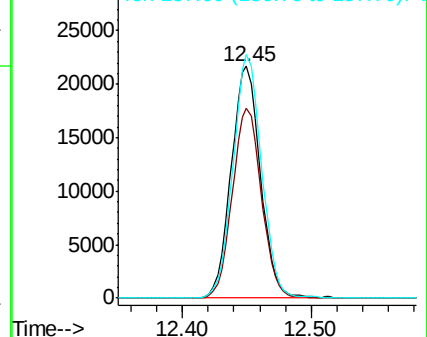
157 104.9 90.5 135.7

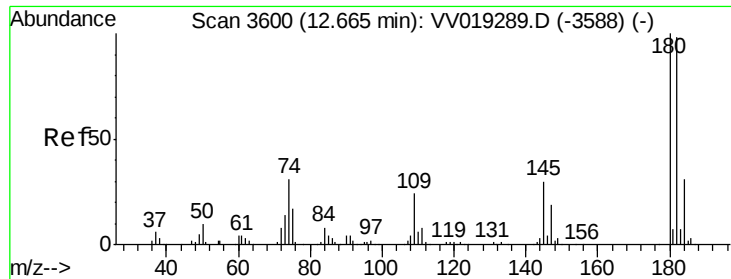


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

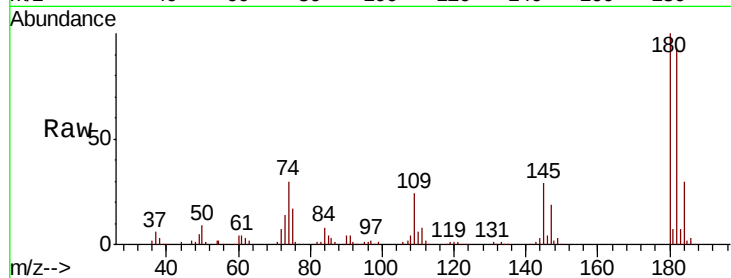




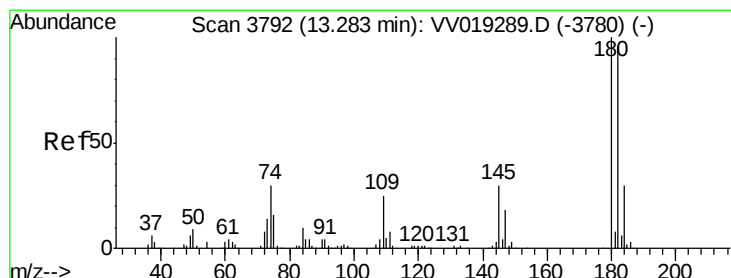
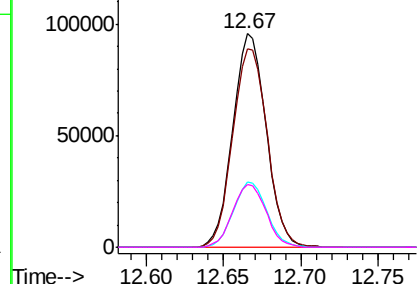
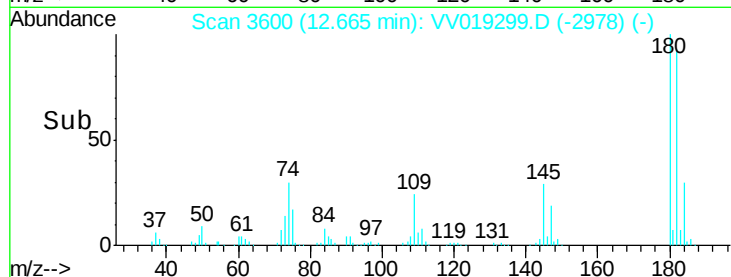
#67
 1,3,5-Trichlorobenzene
 Concen: 45.219 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019299.D
 Acq: 06 Nov 2020 16:17

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD05090

Tot Ion:180	Resp:	143187
Ion	Ratio	Lower Upper
180	100	
182	95.9	76.1 114.1
184	30.6	24.5 36.7
145	29.3	22.7 34.1

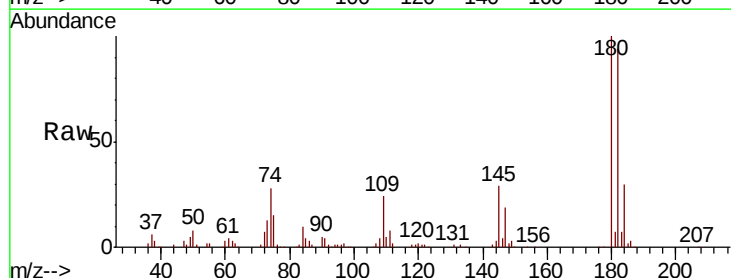


Abundance Ion 180.00 (179.70 to 180.70): V
 150000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

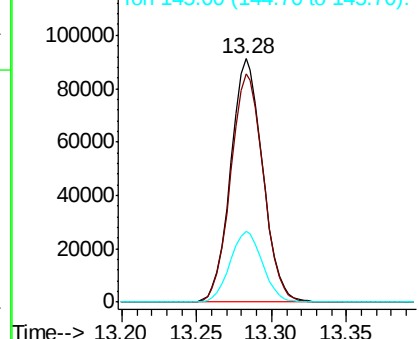
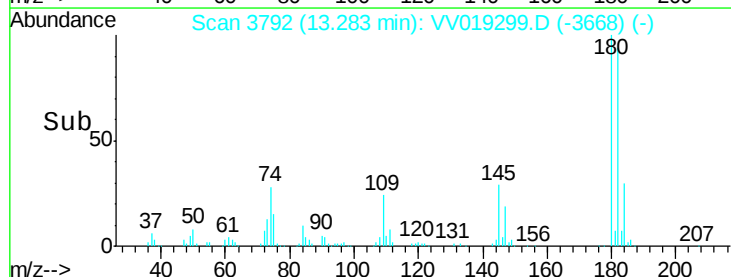


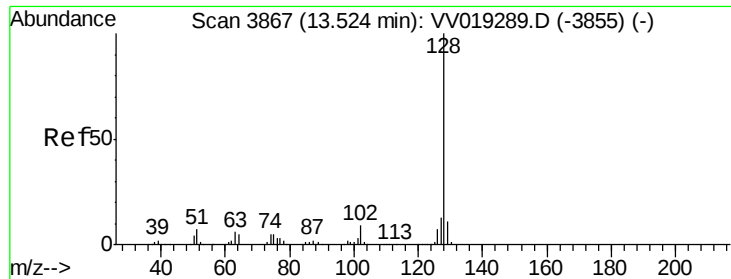
#68
 1,2,4-trichlorobenzene
 Concen: 45.839 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019299.D
 Acq: 06 Nov 2020 16:17

Tgt Ion:180	Resp:	135993
Ion	Ratio	Lower Upper
180	100	
182	95.4	75.8 113.6
145	29.3	22.6 34.0



Abundance Ion 180.00 (179.70 to 180.70): V
 120000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 48.050 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

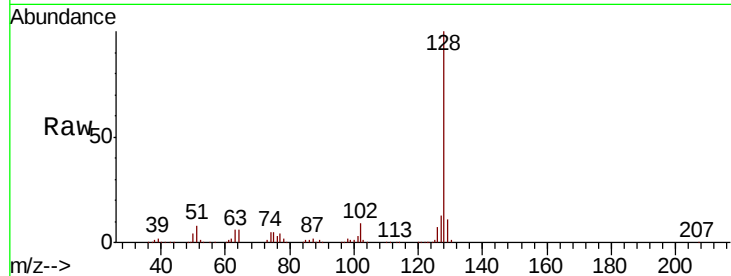
Tot Ion:128 Resp: 399279

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

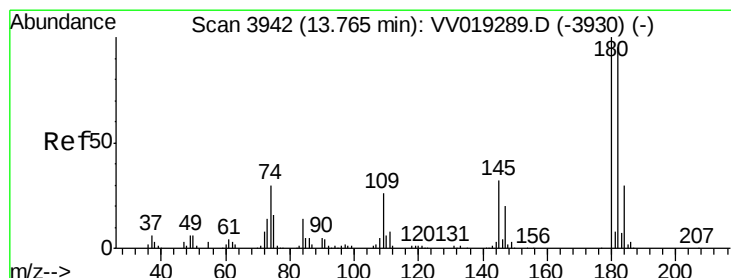
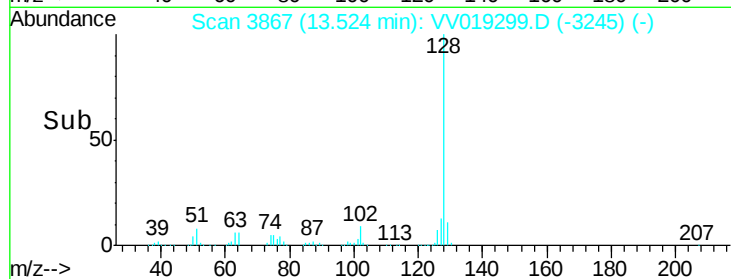
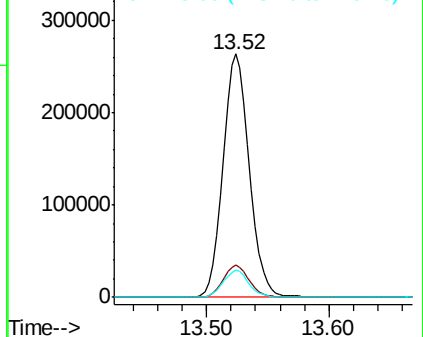
129 10.9 8.6 13.0



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: 48.493 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019299.D

Acq: 06 Nov 2020 16:17

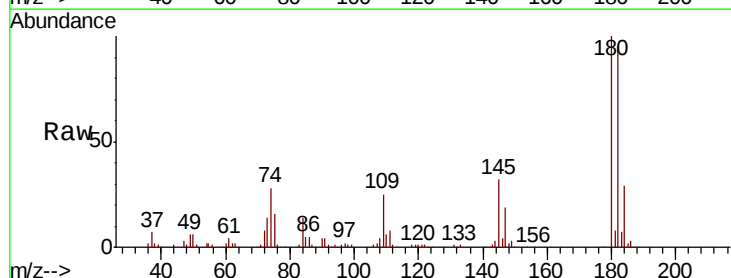
Tgt Ion:180 Resp: 140787

Ion Ratio Lower Upper

180 100

182 93.1 76.2 114.4

145 31.5 25.1 37.7



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

