

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018684.D
 Acq On : 06 Oct 2020 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

Quant Time: Oct 07 05:33:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 05 16:27:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	224479	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	245969	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	118943	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75659	54.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.64%
7) Chloroethane-d5	1.58	69	56012	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.44%
11) 1,1-Dichloroethene-d2	2.12	63	153636	52.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.22%
21) 2-Butanone-d5	3.90	46	105178	105.34	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.34%
24) Chloroform-d	4.37	84	151210	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
26) 1,2-Dichloroethane-d4	5.05	65	104267	56.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.76%
32) Benzene-d6	5.07	84	284638	46.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.90%
36) 1,2-Dichloropropane-d6	6.09	67	87065	43.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.20%
41) Toluene-d8	7.33	98	271739	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%
43) trans-1,3-Dichloropropene-	7.64	79	47610	47.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.02%
47) 2-Hexanone-d5	8.11	63	70952	96.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.52%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	113558	44.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.56%
66) 1,2-Dichlorobenzene-d4	11.65	152	109925	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	67579	40.790	ug/L	100
3) Chloromethane	1.25	50	72696	39.559	ug/L	99
5) Vinyl chloride	1.32	62	87565	46.568	ug/L	99
6) Bromomethane	1.53	94	58893	49.289	ug/L	99
8) Chloroethane	1.59	64	51577	42.562	ug/L	98
9) Trichlorofluoromethane	1.76	101	139402	52.137	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	79067	48.236	ug/L	96
12) 1,1-Dichloroethene	2.13	96	70970	45.528	ug/L	94
13) Acetone	2.18	43	105843	83.811	ug/L	97
14) Carbon disulfide	2.31	76	237414	53.641	ug/L	100
15) Methyl Acetate	2.44	43	94930	56.958	ug/L	100
16) Methylene chloride	2.52	84	85079	48.208	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	74271	47.071	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	249018	50.776	ug/L	96
19) 1,1-Dichloroethane	3.21	63	140244	45.783	ug/L	99
20) cis-1,2-Dichloroethene	3.93	96	82199	48.315	ug/L	97
22) 2-Butanone	3.99	43	115732	92.319	ug/L	99

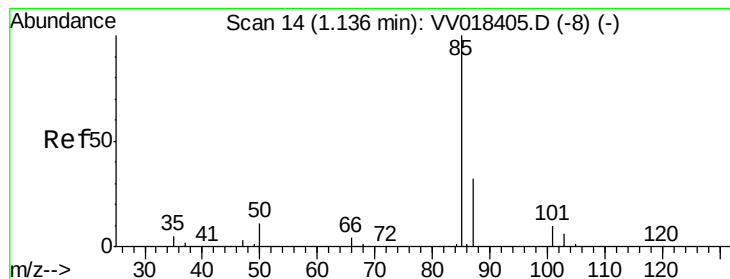
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	46377	50.903	ug/L	95
25) Chloroform	4.40	83	151432	48.897	ug/L	100
27) 1,2-Dichloroethane	5.15	62	127551	53.152	ug/L	99
29) Cyclohexane	4.70	56	111909	39.094	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	134029	44.304	ug/L	99
31) Carbon tetrachloride	4.85	117	117687	44.624	ug/L	99
33) Benzene	5.12	78	311834	42.331	ug/L	100
34) Trichloroethene	5.94	95	91433	45.149	ug/L	97
35) Methylcyclohexane	6.15	83	108767	36.991	ug/L	98
37) 1,2-Dichloropropane	6.20	63	80893	41.529	ug/L	99
38) Bromodichloromethane	6.53	83	117610	46.135	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	129447	44.299	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	226645	98.042	ug/L	98
42) Toluene	7.41	91	339656	43.949	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	134433	46.400	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	86277	47.033	ug/L	100
46) Tetrachloroethene	7.99	164	69643	43.917	ug/L	94
48) 2-Hexanone	8.16	43	200761	102.471	ug/L	96
49) Dibromochloromethane	8.27	129	106851	52.322	ug/L	96
50) 1,2-Dibromoethane	8.37	107	103732	54.319	ug/L	99
51) Chlorobenzene	8.90	112	246926	47.812	ug/L	100
52) Ethylbenzene	9.03	91	412995	48.557	ug/L	99
53) m,p-Xylene	9.16	106	155588	48.990	ug/L	100
54) o-Xylene	9.56	106	139571	45.613	ug/L	99
55) Styrene	9.58	104	248882	46.500	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	113977	42.618	ug/L	98
59) Bromoform	9.75	173	65132	48.987	ug/L #	97
60) Isopropylbenzene	9.95	105	359953	49.100	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	106033	51.372	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	301083	50.738	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	312887	51.356	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	185998	49.921	ug/L	99
65) 1,4-Dichlorobenzene	11.29	146	187280	47.962	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	182058	48.598	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	27301	52.351	ug/L	99
69) 1,3,5-Trichlorobenzene	12.67	180	109233	37.595	ug/L	98
70) 1,2,4-trichlorobenzene	13.28	180	106276	40.824	ug/L	98
71) Naphthalene	13.52	128	351280	52.023	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	109167	41.725	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 40.790 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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MSVOA_V

ClientSampleId :

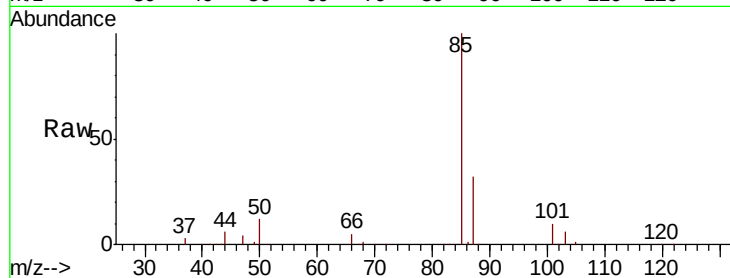
VSTD050309

Tot Ion: 85 Resp: 67579

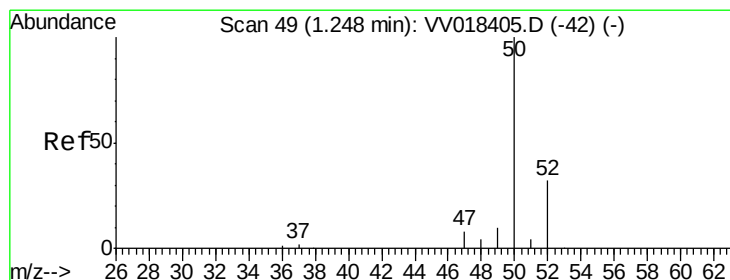
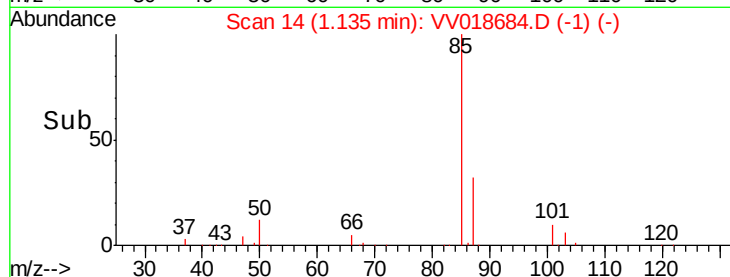
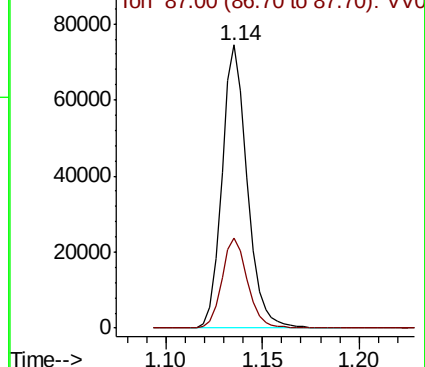
Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV018405.D (-8) (-)



#3

Chloromethane

Concen: 39.559 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018684.D

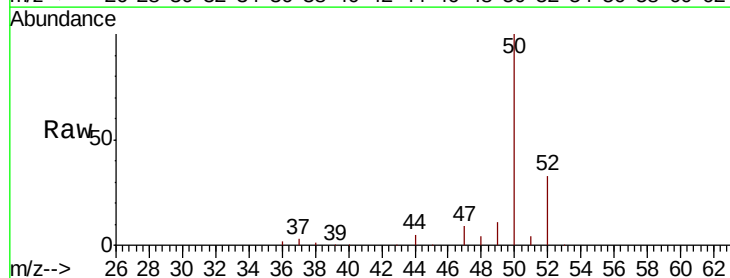
Acq: 06 Oct 2020 10:37

Tgt Ion: 50 Resp: 72696

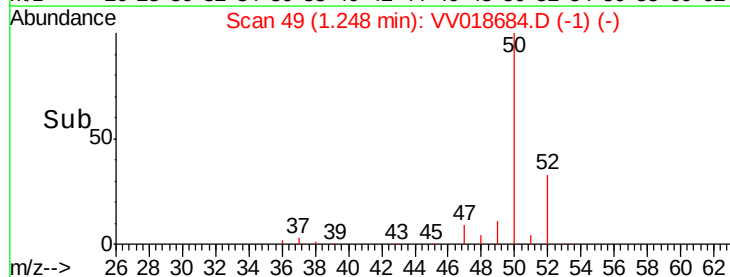
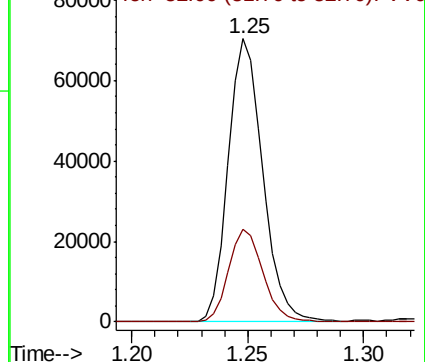
Ion Ratio Lower Upper

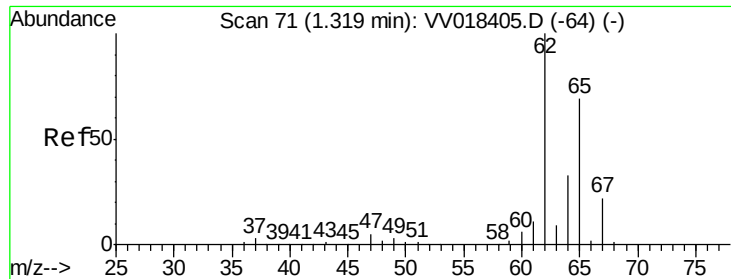
50 100

52 32.6 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV018405.D (-42) (-)





#5

Vinyl chloride

Concen: 46.568 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

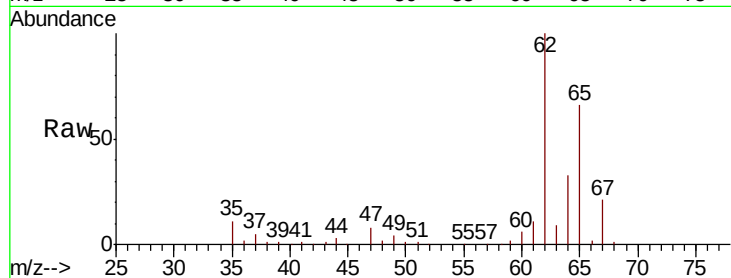
VSTD050309

Tot Ion: 62 Resp: 87565

Ion Ratio Lower Upper

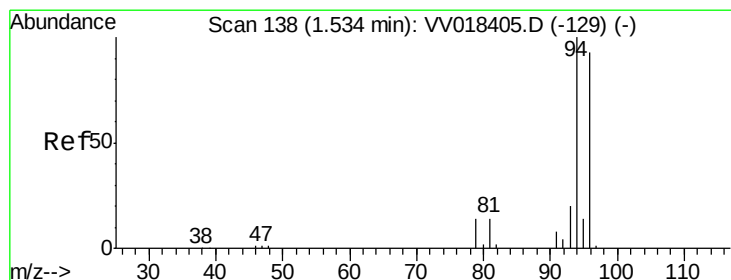
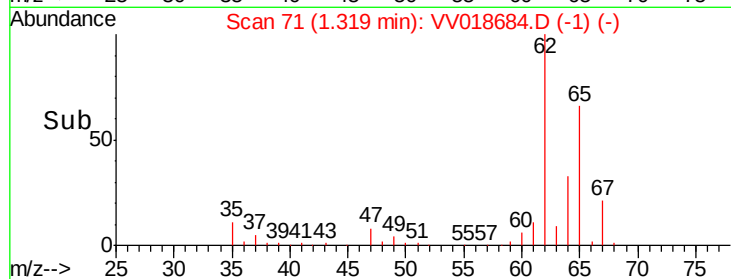
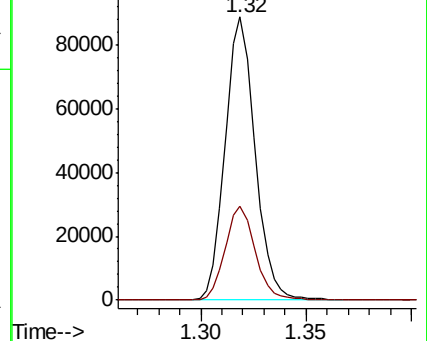
62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 49.289 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018684.D

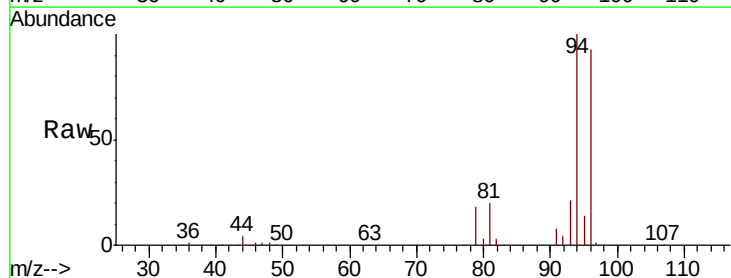
Acq: 06 Oct 2020 10:37

Tgt Ion: 94 Resp: 58893

Ion Ratio Lower Upper

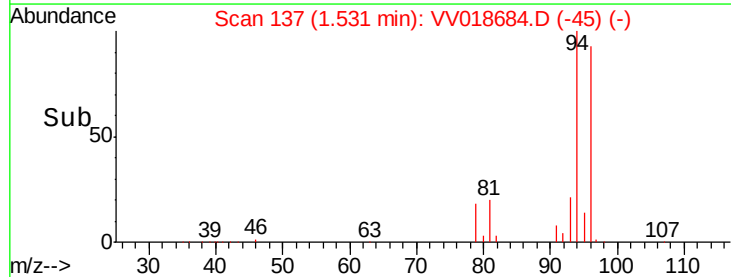
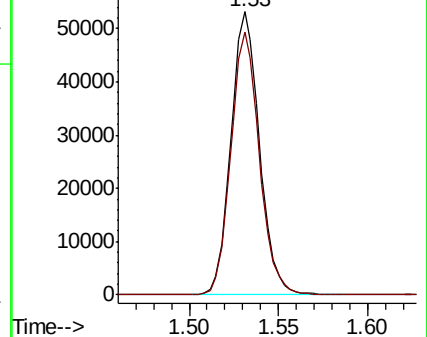
94 100

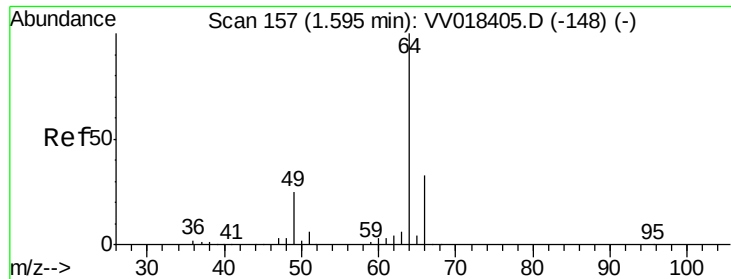
96 92.7 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 42.562 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

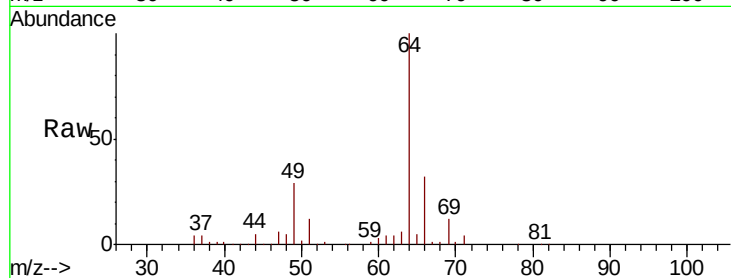
VSTD050309

Tot Ion: 64 Resp: 51577

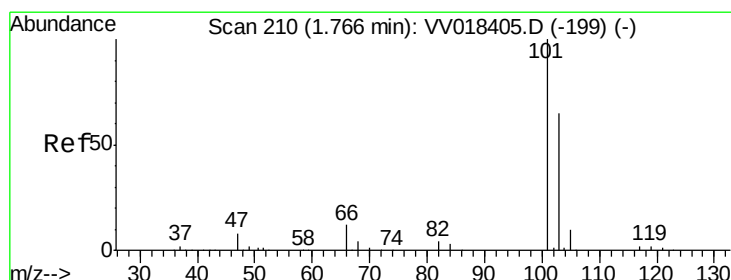
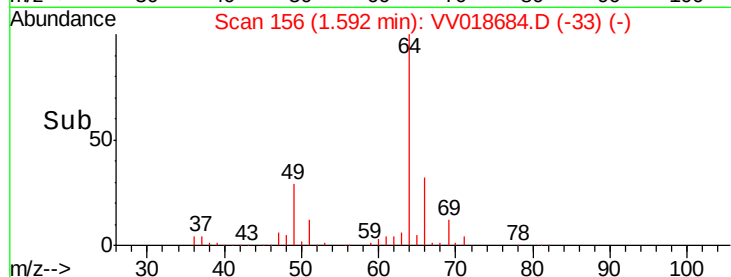
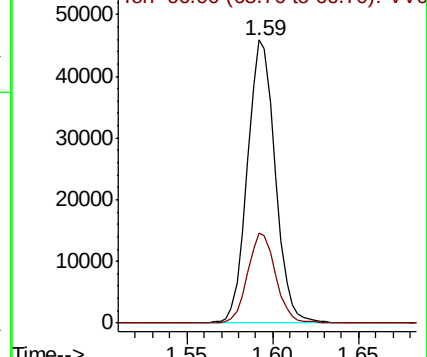
Ion Ratio Lower Upper

64 100

66 31.7 23.0 42.6



Abundance Ion 64.00 (63.70 to 64.70): VV018684.D (-156) (-)



#9

Trichlorofluoromethane

Concen: 52.137 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018684.D

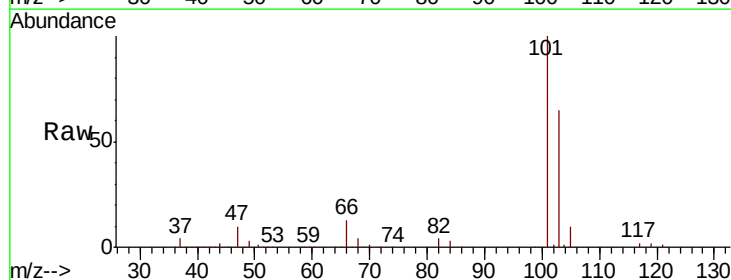
Acq: 06 Oct 2020 10:37

Tgt Ion:101 Resp: 139402

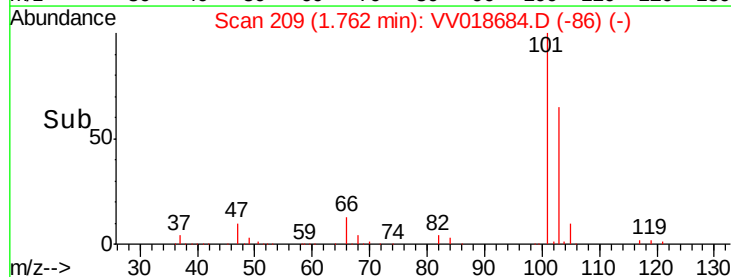
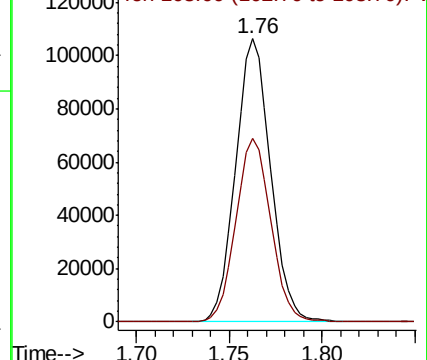
Ion Ratio Lower Upper

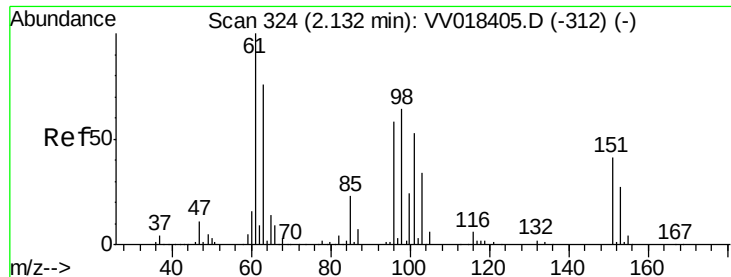
101 100

103 64.8 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VV018684.D (-209) (-)





#10

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

Concen: 48.236 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

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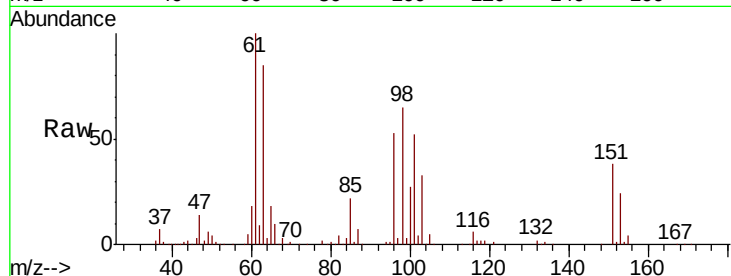
Tot Ion:101 Resp: 79067

Ion Ratio Lower Upper

101 100

85 42.4 34.6 51.8

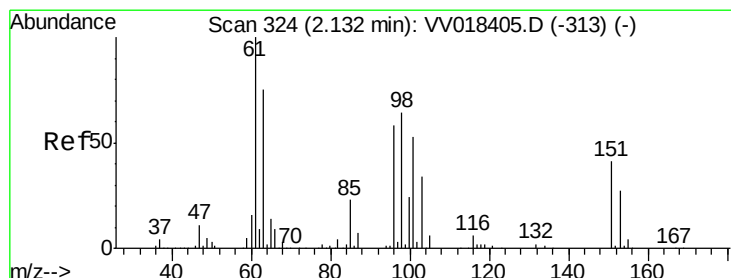
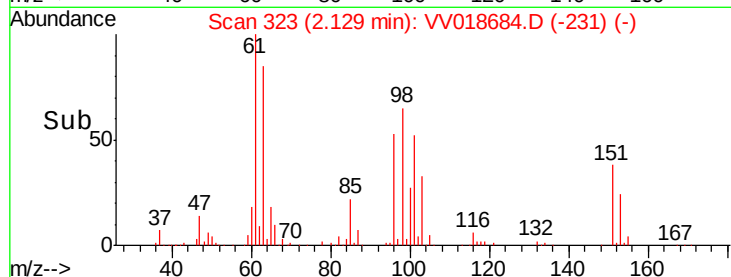
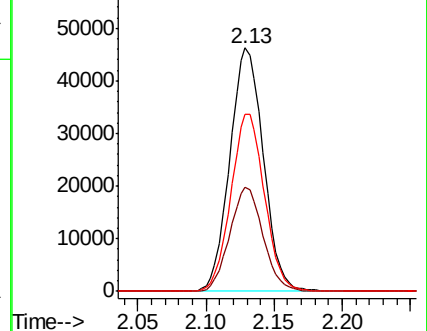
151 73.0 62.4 93.6



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: 45.528 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

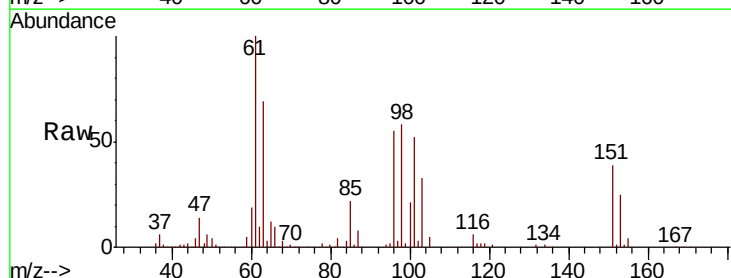
Tgt Ion: 96 Resp: 70970

Ion Ratio Lower Upper

96 100

61 181.5 121.0 224.8

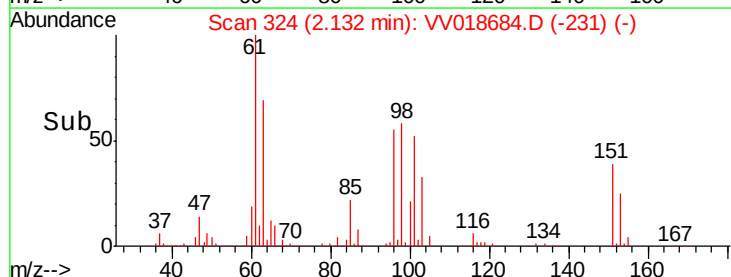
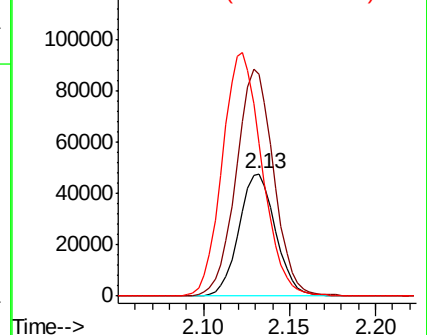
63 125.1 93.0 172.6

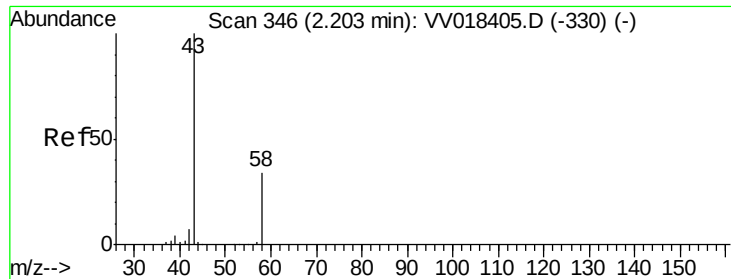


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 83.811 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV018684.D

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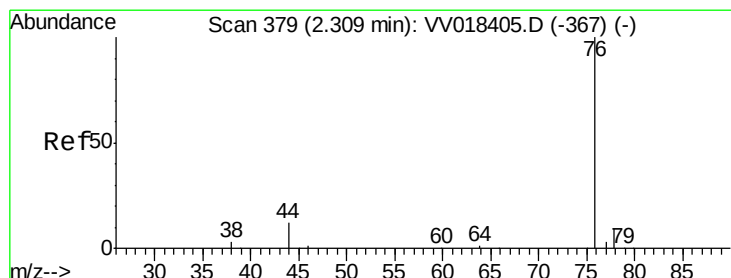
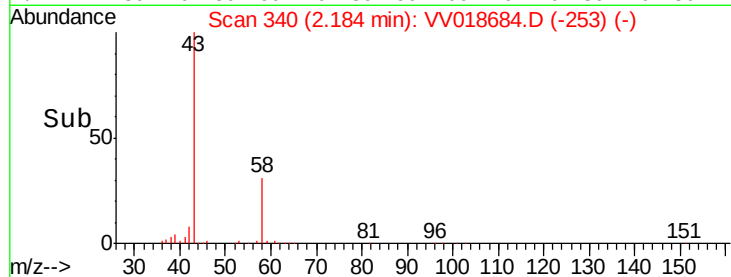
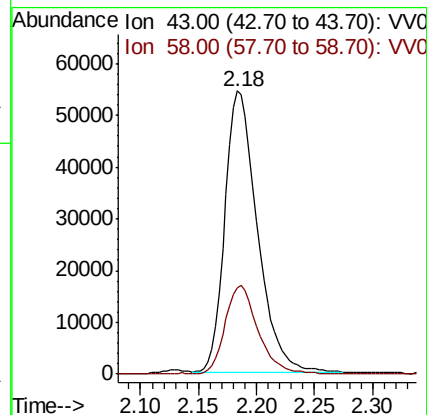
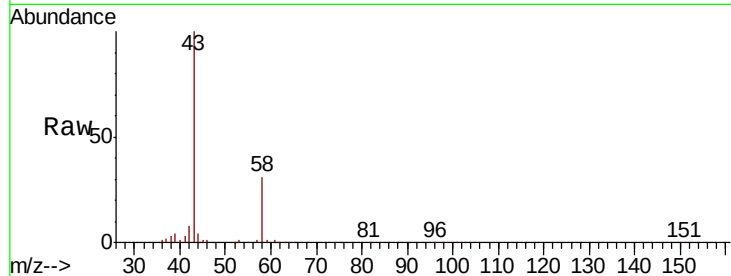
VSTD050309

Tot Ion: 43 Resp: 105843

Ion Ratio Lower Upper

43 100

58 31.1 0.0 65.8



#14

Carbon disulfide

Concen: 53.641 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018684.D

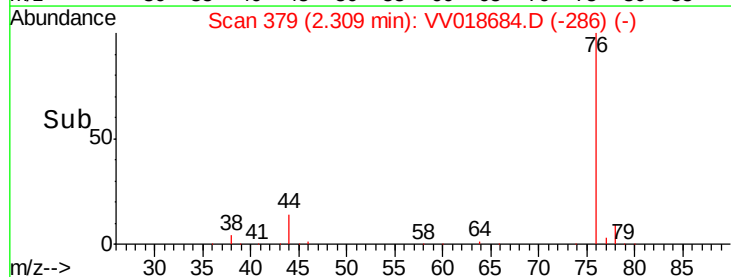
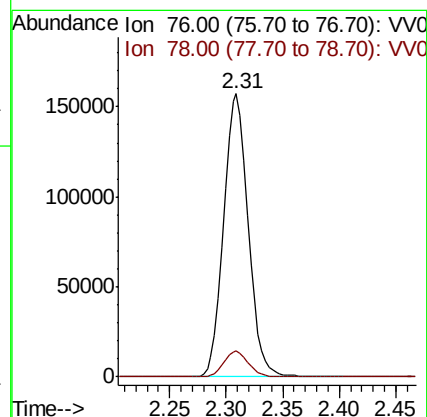
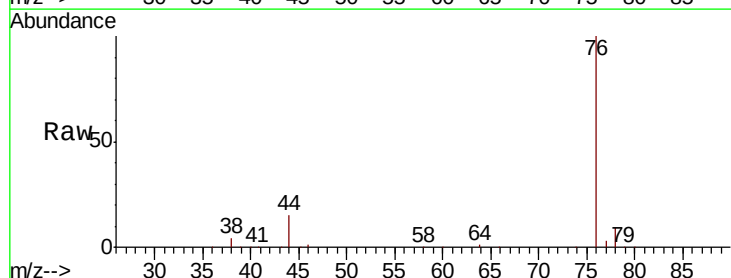
Acq: 06 Oct 2020 10:37

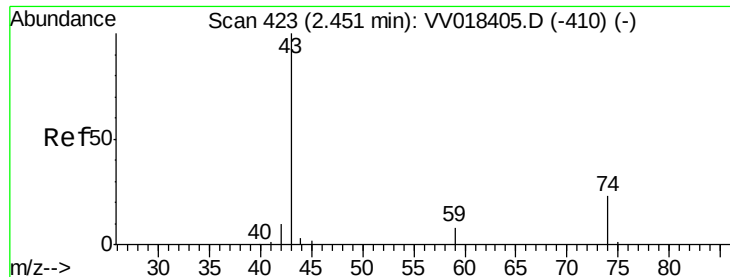
Tgt Ion: 76 Resp: 237414

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#15

Methyl Acetate

Concen: 56.958 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.01 min

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Acq: 06 Oct 2020 10:37

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ClientSampleId :

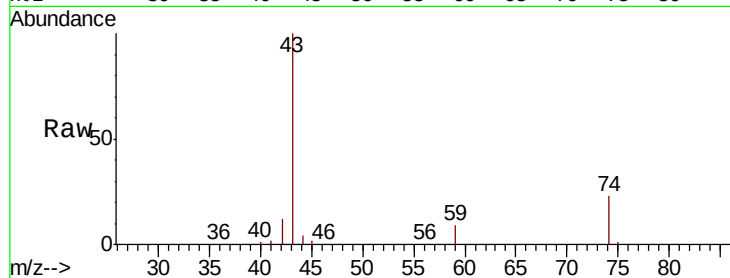
VSTD050309

Tot Ion: 43 Resp: 94930

Ion Ratio Lower Upper

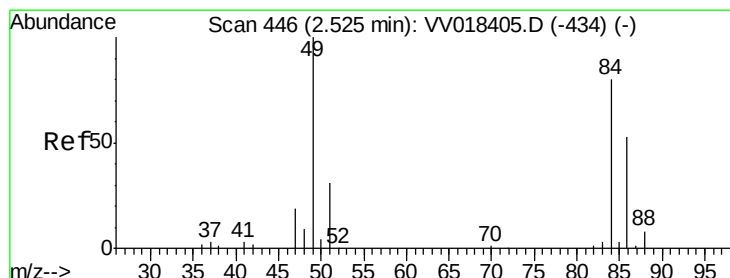
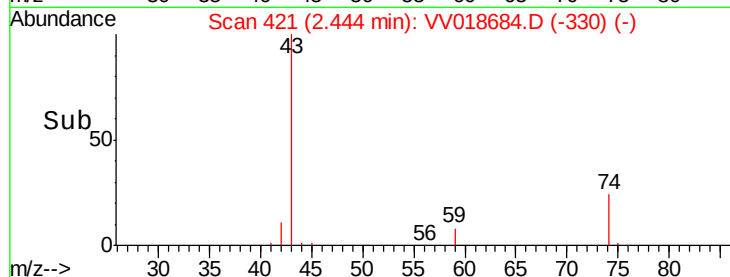
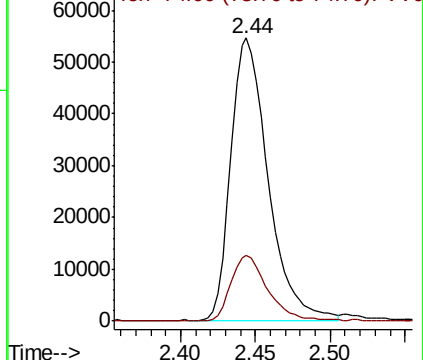
43 100

74 23.1 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 48.208 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

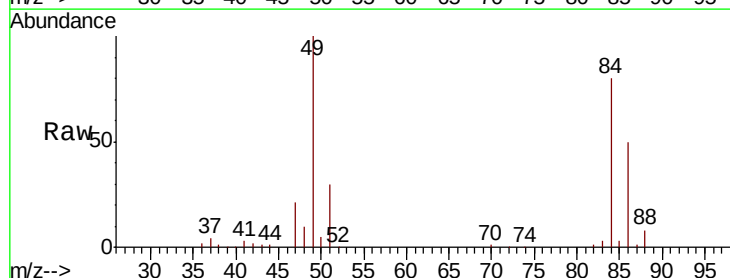
Tgt Ion: 84 Resp: 85079

Ion Ratio Lower Upper

84 100

86 63.0 46.0 85.4

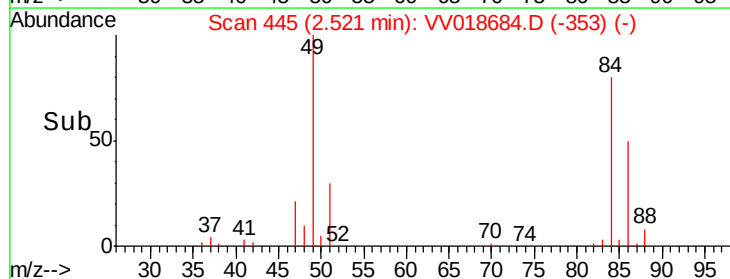
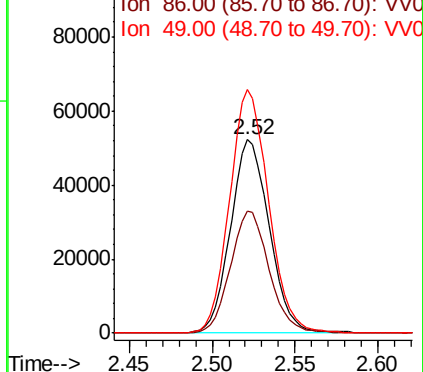
49 125.7 87.5 162.5

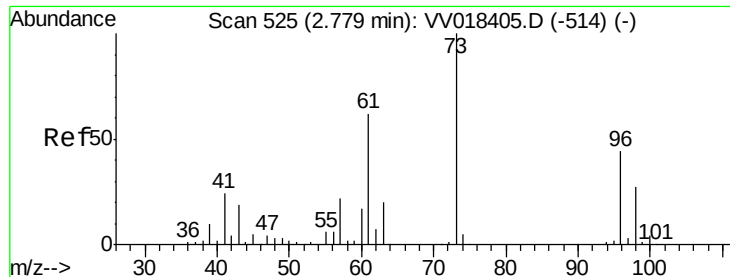


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 47.071 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050309

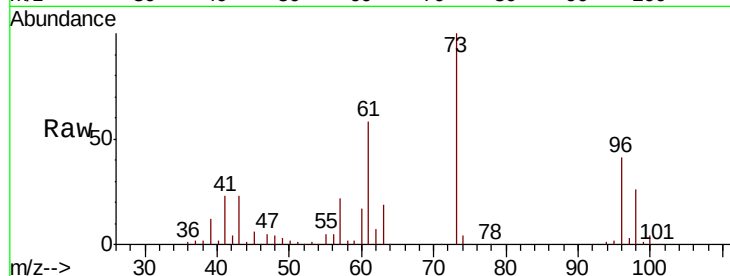
Tot Ion: 96 Resp: 74271

Ion Ratio Lower Upper

96 100

61 142.4 98.3 182.5

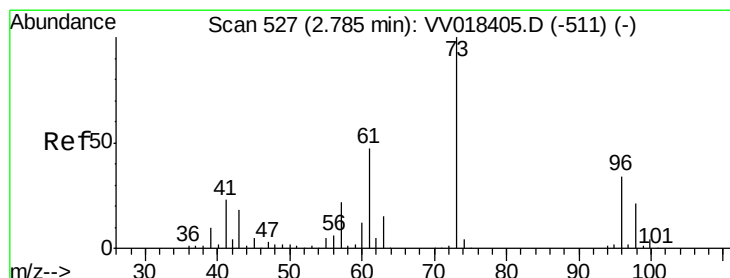
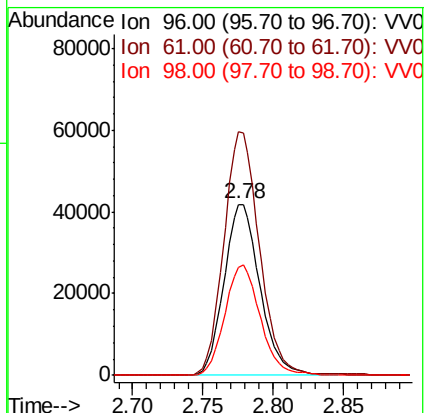
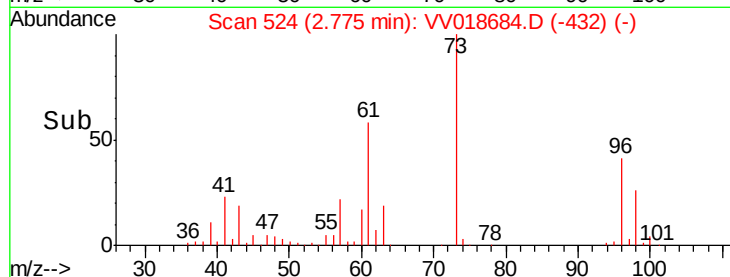
98 63.1 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VV018684.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018684.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018684.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 50.776 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

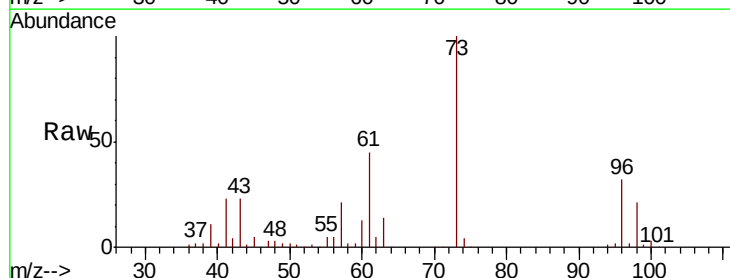
Tgt Ion: 73 Resp: 249018

Ion Ratio Lower Upper

73 100

43 22.7 15.4 23.2

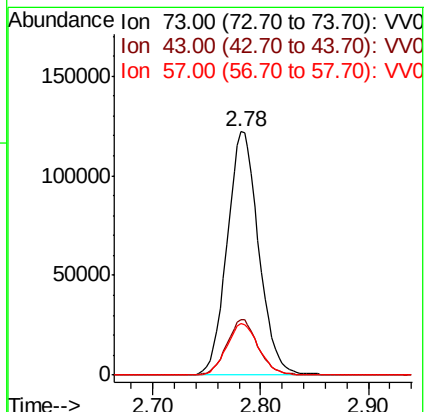
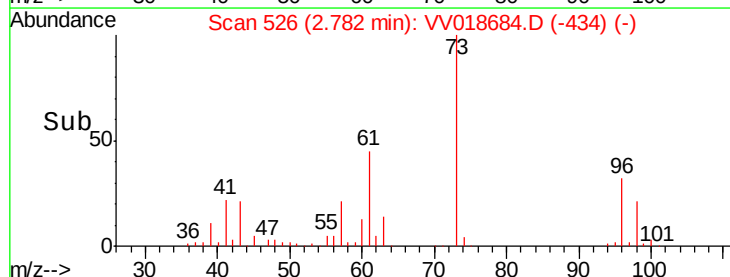
57 21.5 17.8 26.6

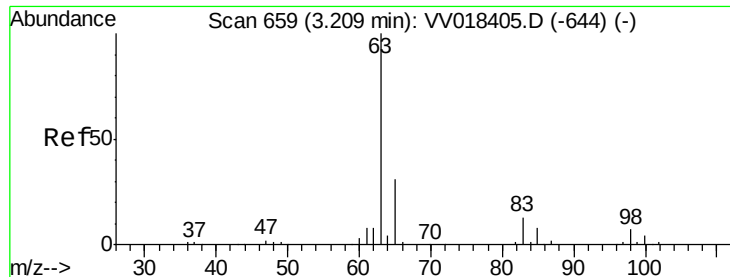


Abundance Ion 73.00 (72.70 to 73.70): VV018684.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV018684.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV018684.D (-434) (-)

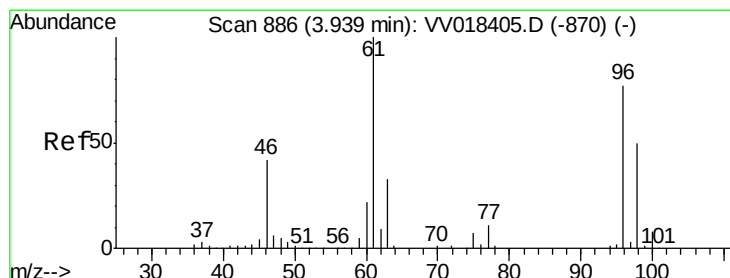
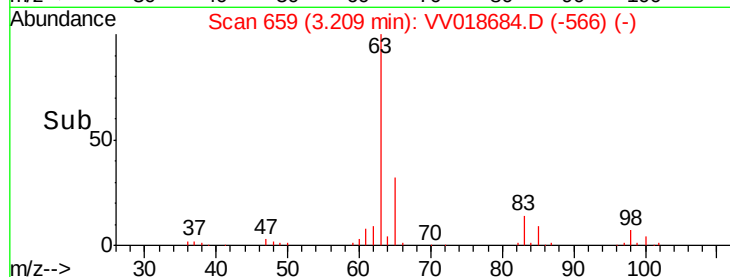
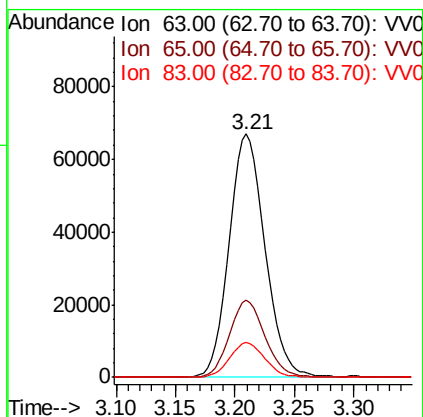
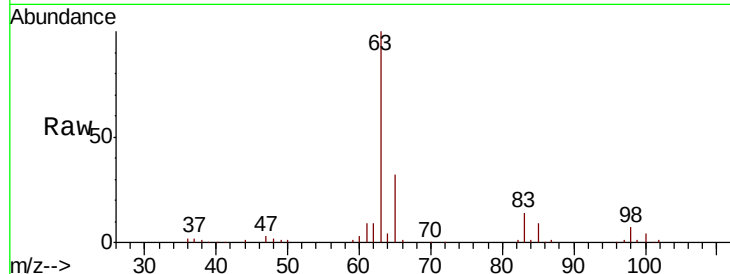




#19
 1,1-Dichloroethane
 Concen: 45.783 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

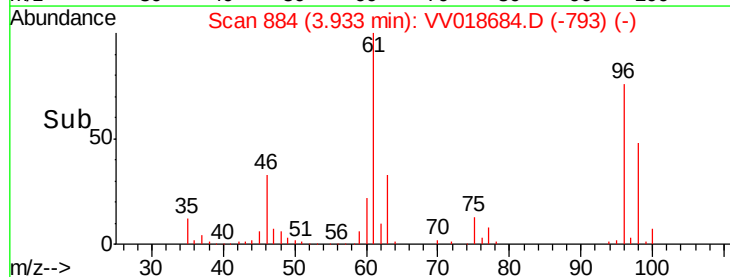
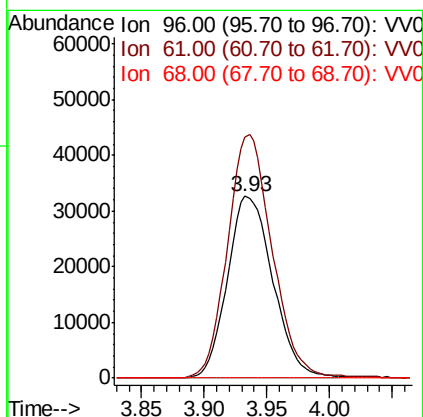
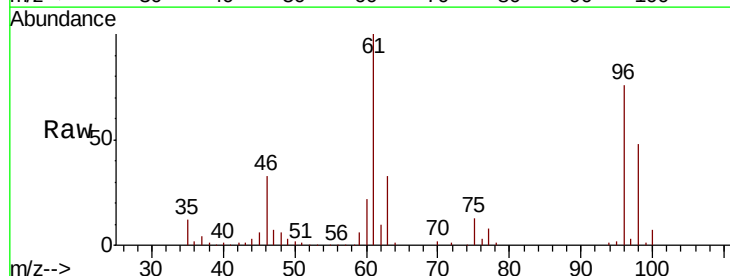
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

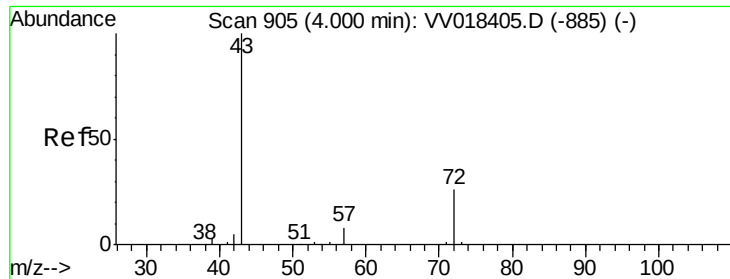
Tot Ion: 63 Resp: 140244
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.8 40.6
 83 14.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 48.315 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

Tgt Ion: 96 Resp: 82199
 Ion Ratio Lower Upper
 96 100
 61 132.4 90.4 167.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 92.319 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.01 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

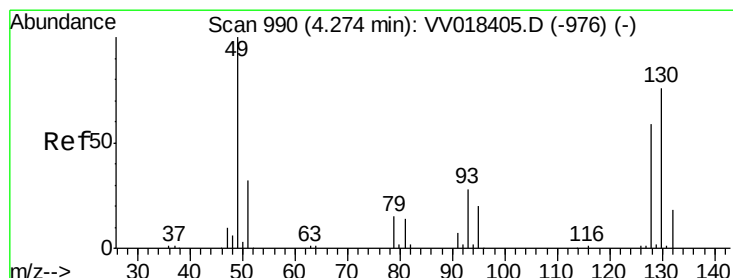
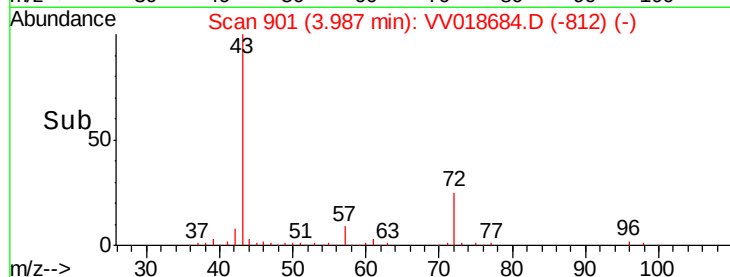
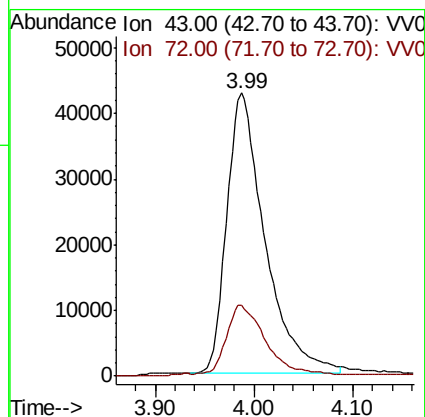
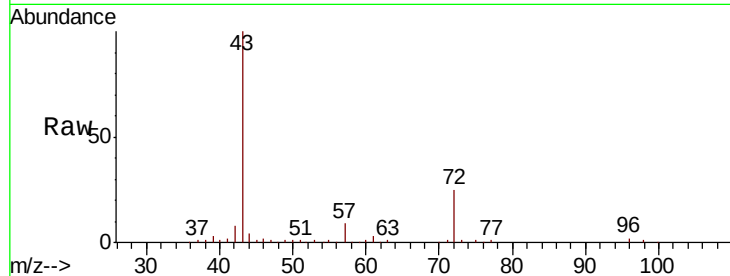
VSTD050309

Tot Ion: 43 Resp: 115732

Ion Ratio Lower Upper

43 100

72 25.0 12.8 38.3



#23

Bromochloromethane

Concen: 50.903 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Tgt Ion: 128 Resp: 46377

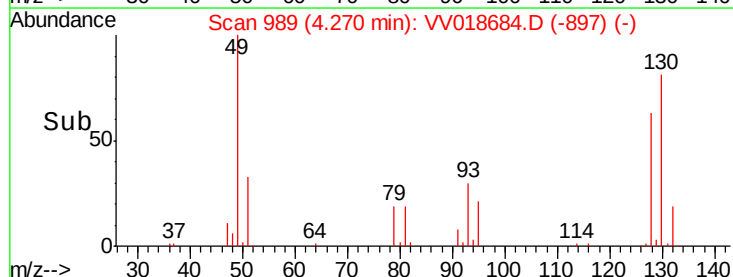
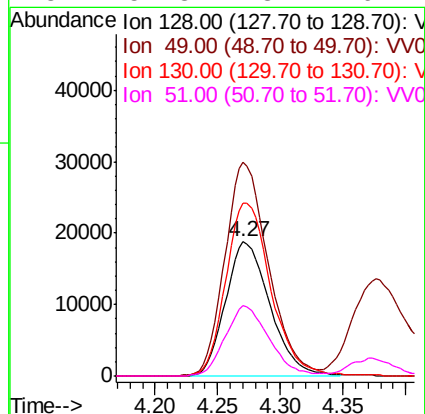
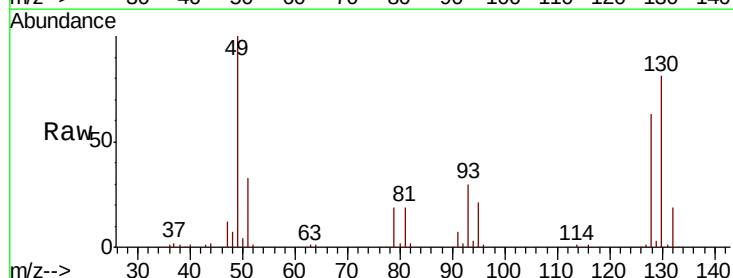
Ion Ratio Lower Upper

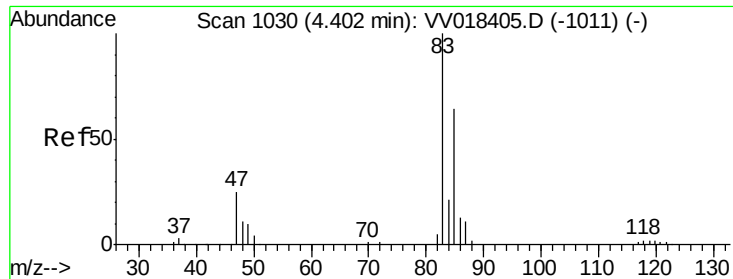
128 100

49 159.6 120.3 223.3

130 128.7 91.3 169.5

51 52.3 43.1 64.7

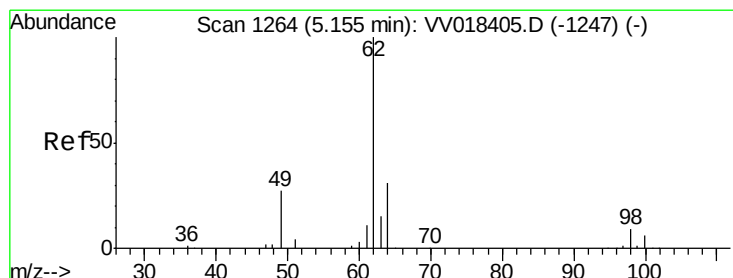
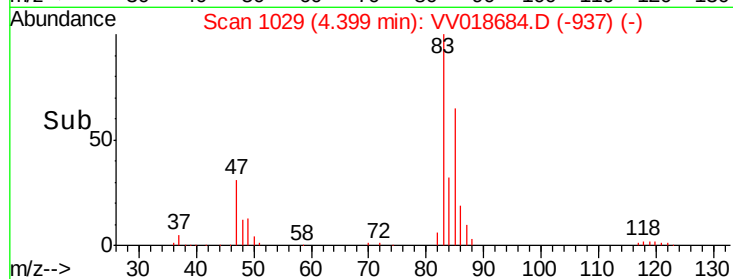
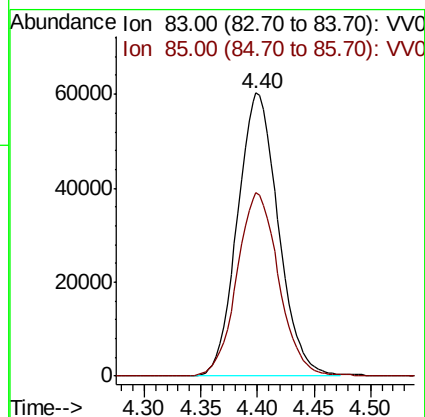
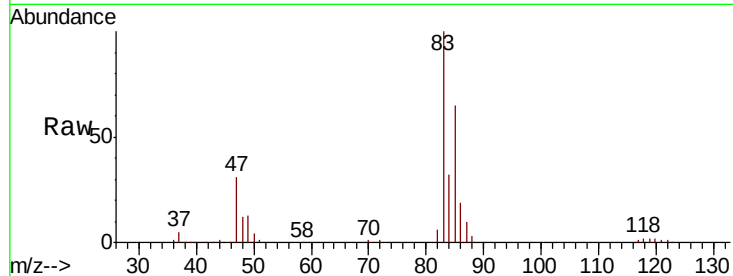




#25
Chloroform
Concen: 48.897 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018684.D
Acq: 06 Oct 2020 10:37

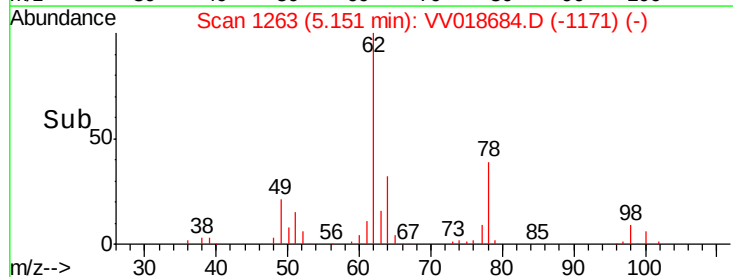
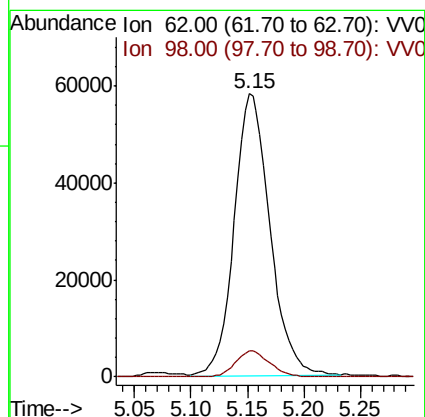
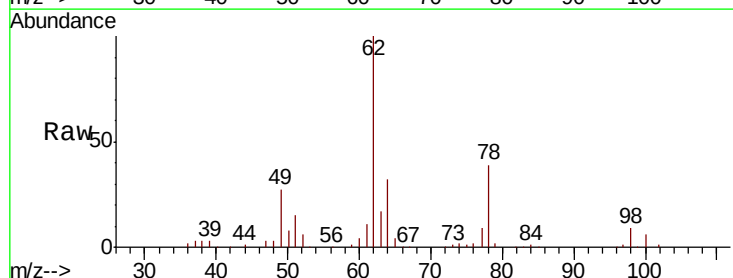
Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

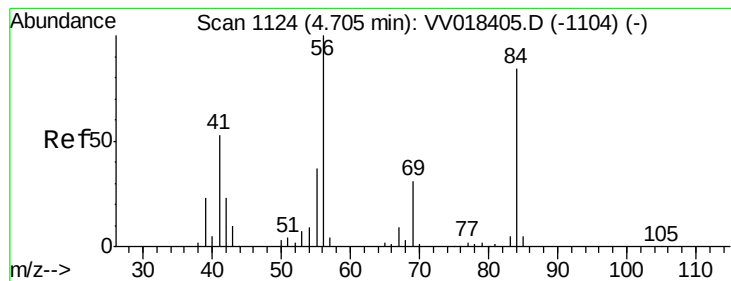
Tot Ion: 83 Resp: 151432
Ion Ratio Lower Upper
83 100
85 64.6 45.2 84.0



#27
1,2-Dichloroethane
Concen: 53.152 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018684.D
Acq: 06 Oct 2020 10:37

Tgt Ion: 62 Resp: 127551
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2





#29

Cyclohexane

Concen: 39.094 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050309

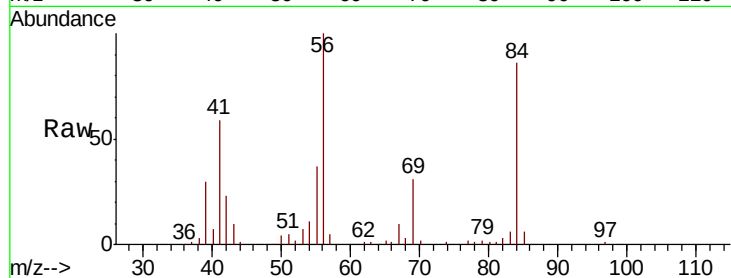
Tot Ion: 56 Resp: 111909

Ion Ratio Lower Upper

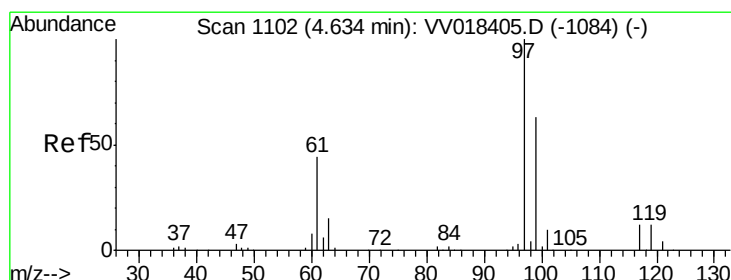
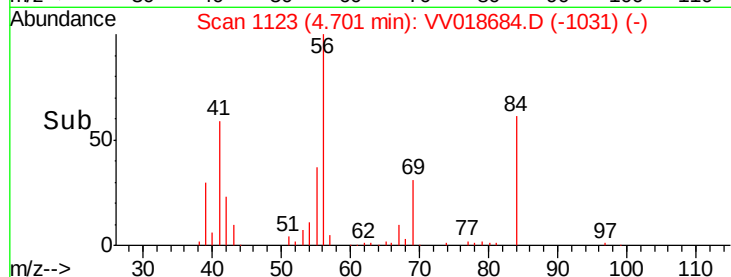
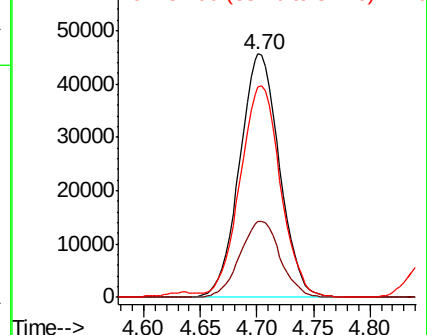
56 100

69 31.5 24.4 36.6

84 88.8 68.6 102.8



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 44.304 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

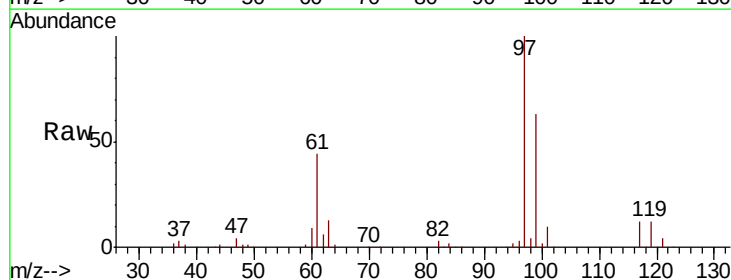
Tgt Ion: 97 Resp: 134029

Ion Ratio Lower Upper

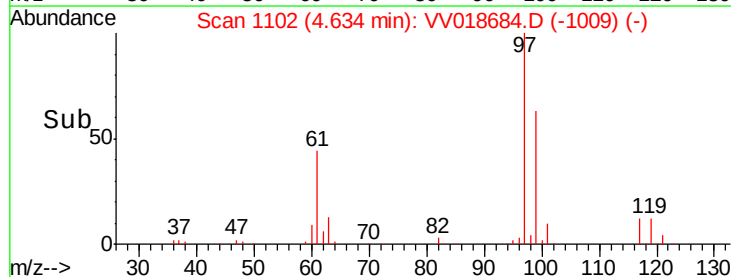
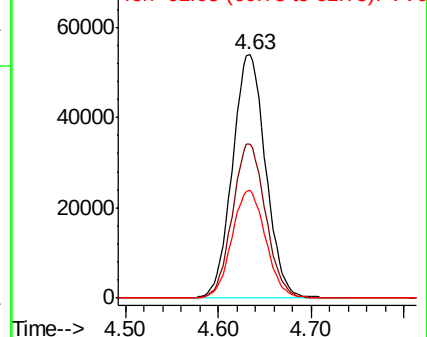
97 100

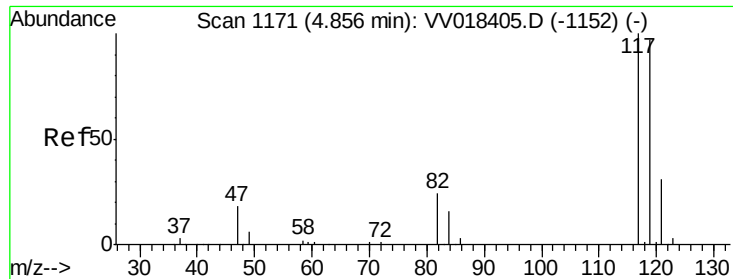
99 63.1 50.7 76.1

61 45.0 35.0 52.6



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: 44.624 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

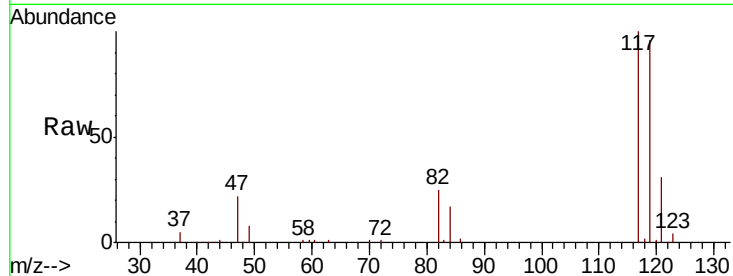
VSTD050309

Tot Ion:117 Resp: 117687

Ion Ratio Lower Upper

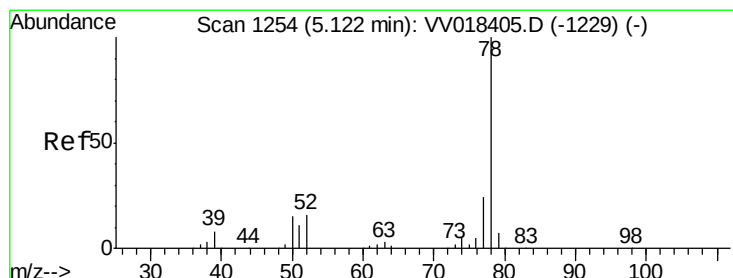
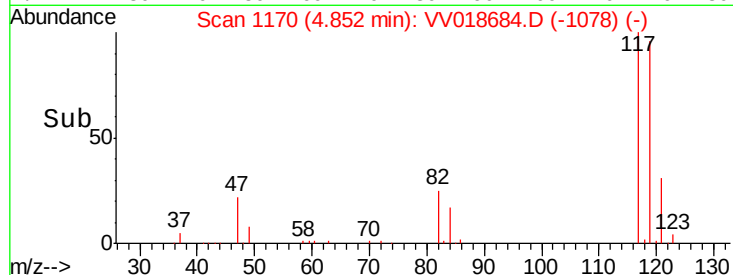
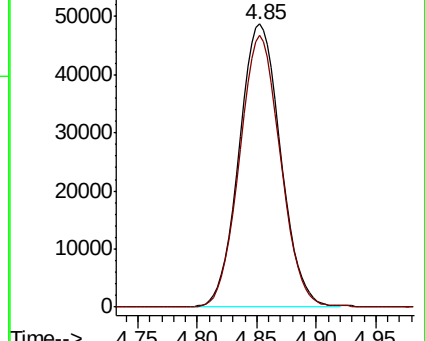
117 100

119 94.6 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 42.331 ug/L

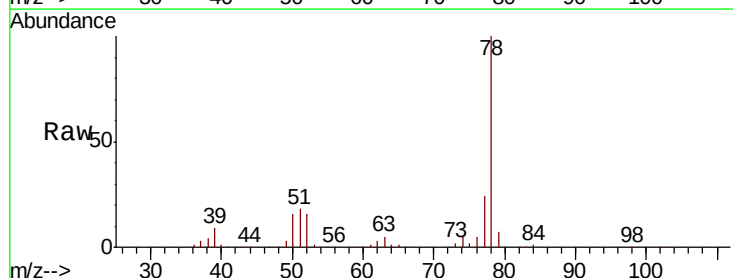
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

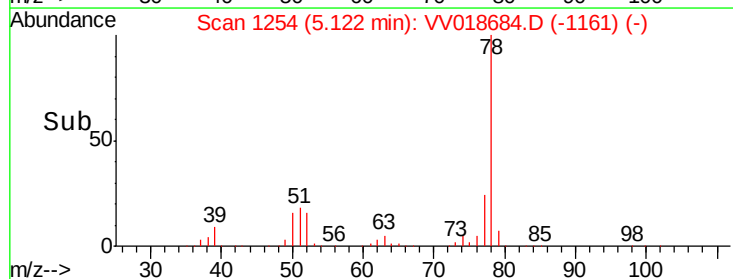
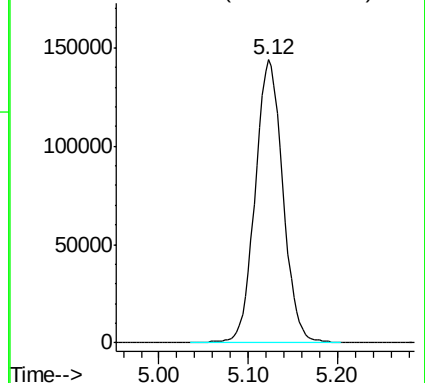
Lab File: VV018684.D

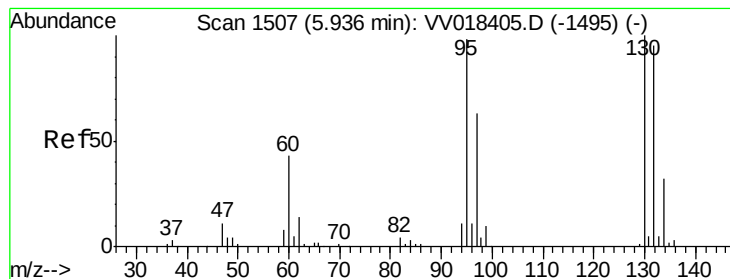
Acq: 06 Oct 2020 10:37

Tgt Ion: 78 Resp: 311834



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 45.149 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050309

Tot Ion: 95 Resp: 91433

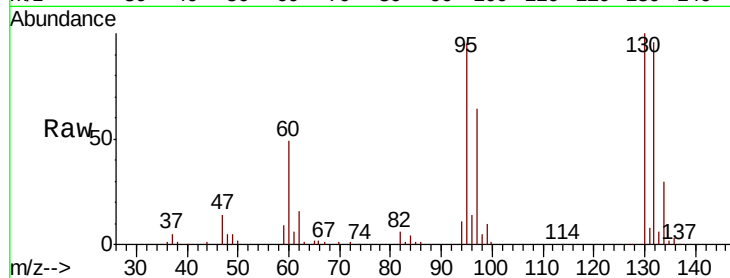
Ion Ratio Lower Upper

95 100

97 66.6 44.7 83.1

132 100.3 67.8 126.0

130 104.9 71.5 132.7

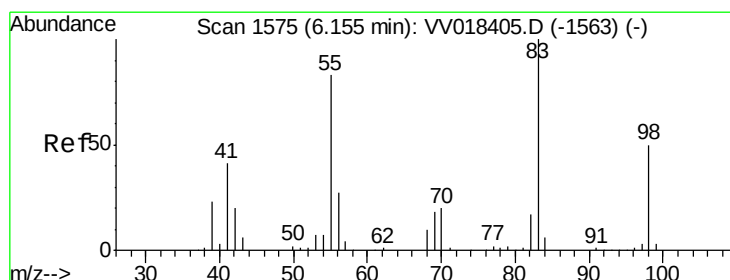
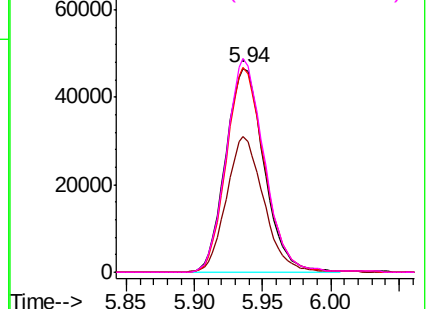
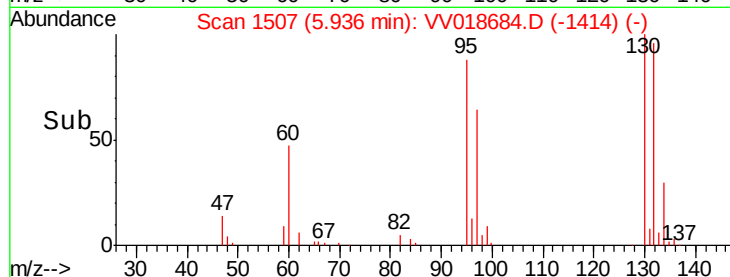


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 36.991 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

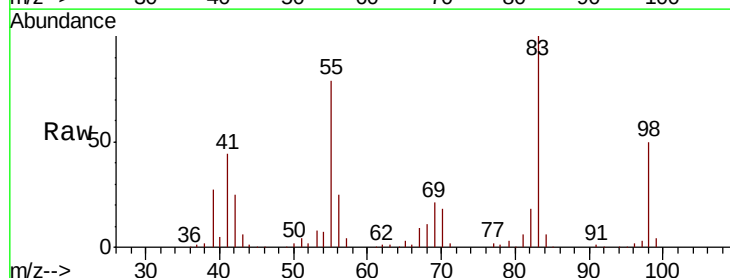
Tgt Ion: 83 Resp: 108767

Ion Ratio Lower Upper

83 100

55 77.0 63.6 95.4

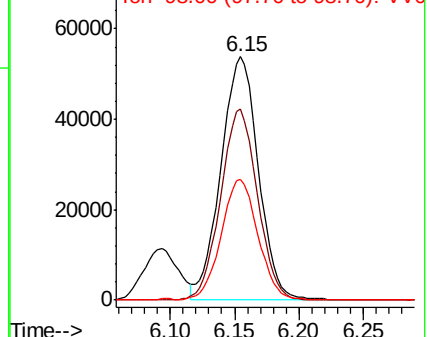
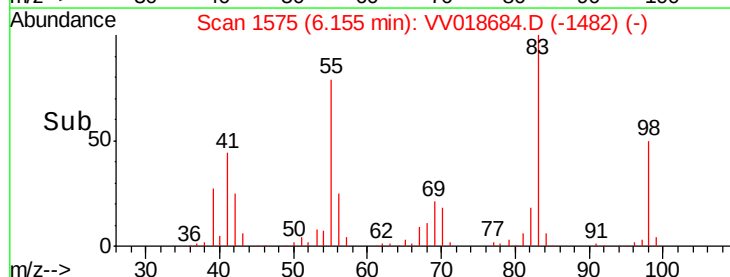
98 48.2 38.6 58.0

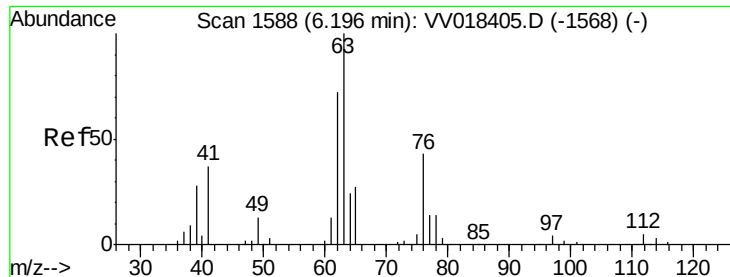


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

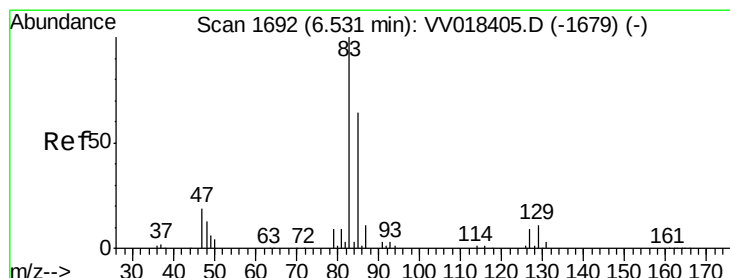
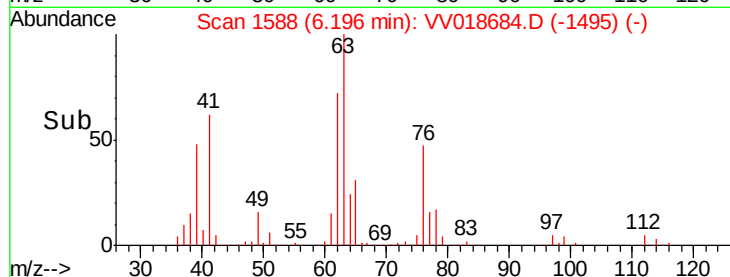
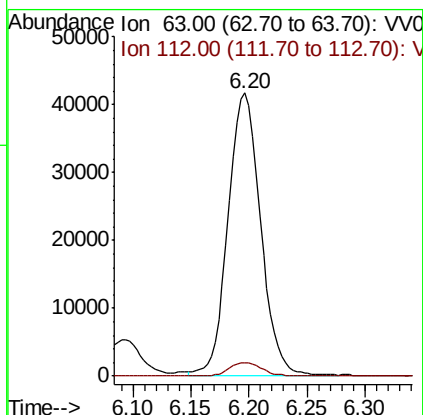
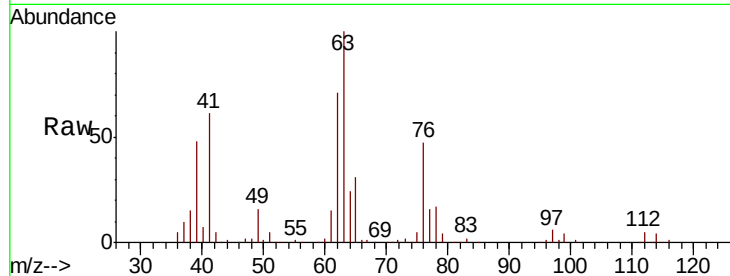




#37
 1,2-Dichloropropane
 Concen: 41.529 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

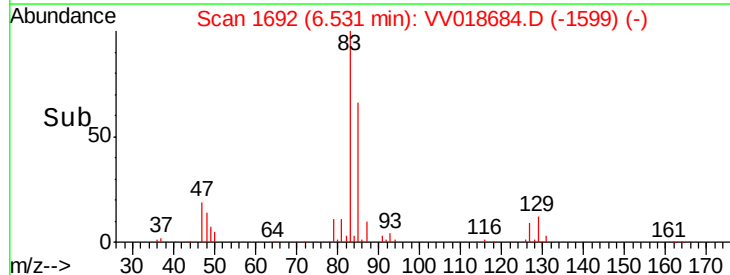
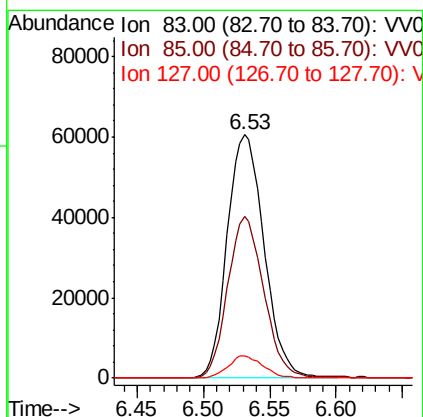
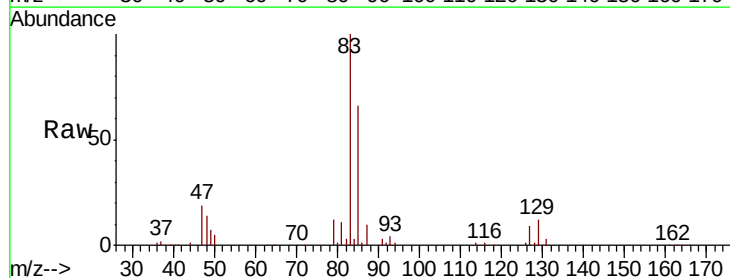
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

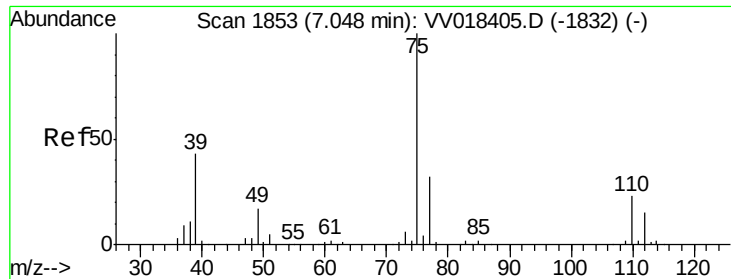
Tot Ion: 63 Resp: 80893
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.7 5.5



#38
 Bromodichloromethane
 Concen: 46.135 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

Tgt Ion: 83 Resp: 117610
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.1 83.9
 127 8.9 6.8 10.2

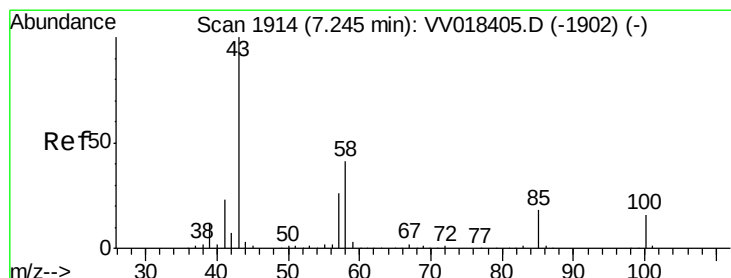
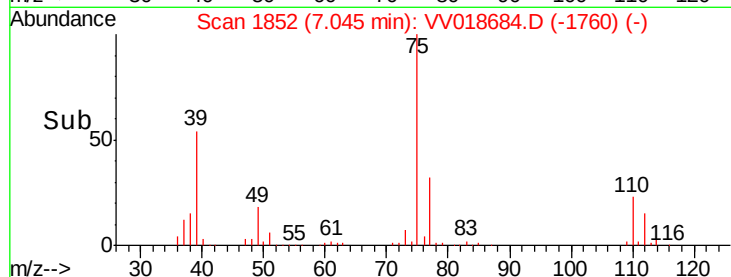
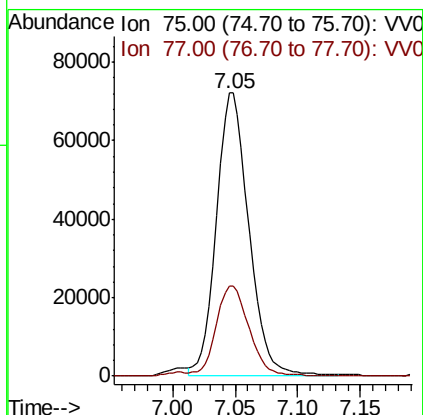
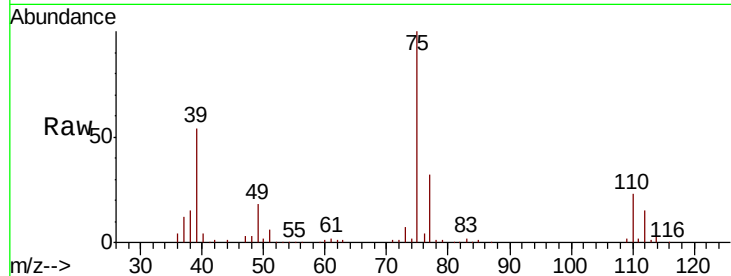




#39
 cis-1,3-Dichloropropene
 Concen: 44.299 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

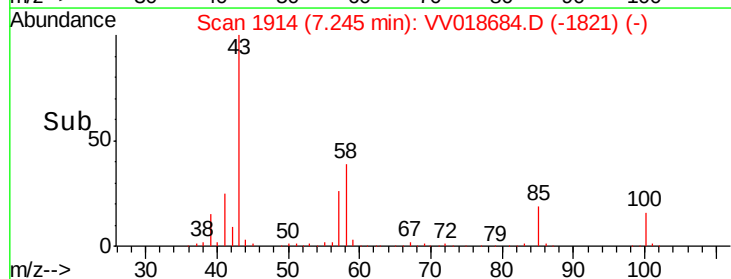
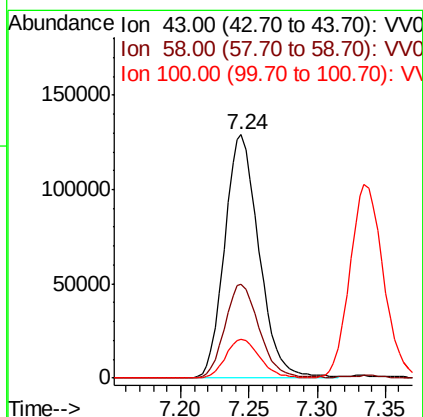
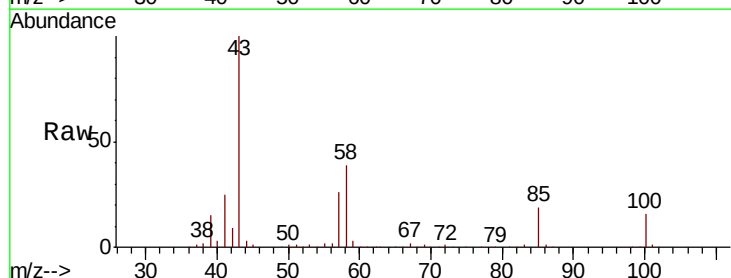
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

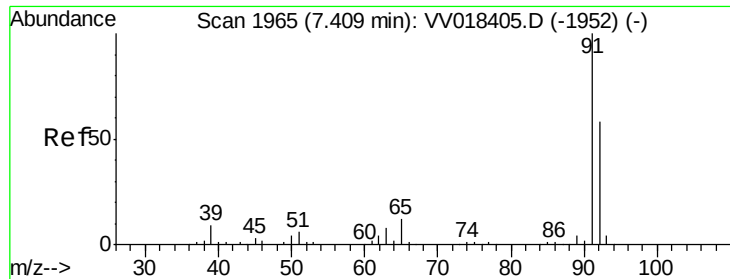
Tot Ion: 75 Resp: 129447
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 98.042 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

Tgt Ion: 43 Resp: 226645
 Ion Ratio Lower Upper
 43 100
 58 38.5 32.4 48.6
 100 15.9 13.0 19.4





#42

Toluene

Concen: 43.949 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

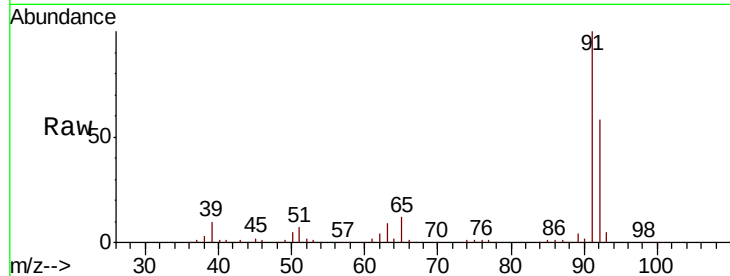
VSTD050309

Tot Ion: 91 Resp: 339656

Ion Ratio Lower Upper

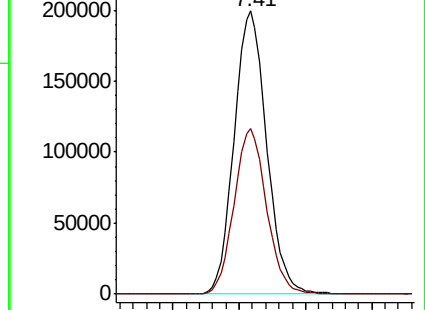
91 100

92 58.4 40.7 75.7

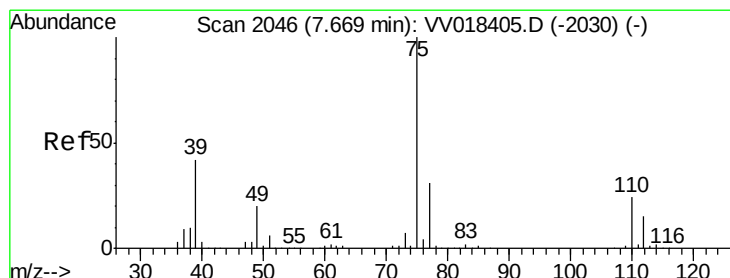
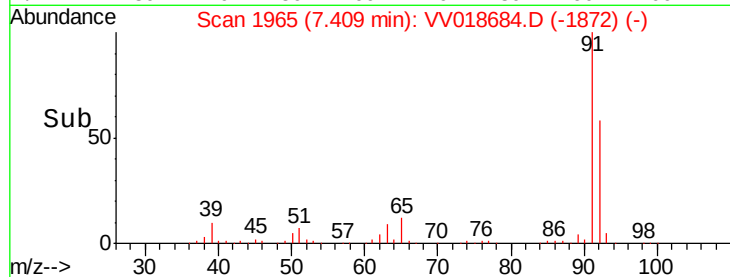


Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.400 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018684.D

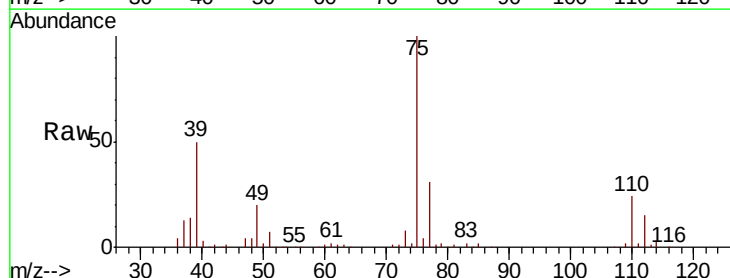
Acq: 06 Oct 2020 10:37

Tgt Ion: 75 Resp: 134433

Ion Ratio Lower Upper

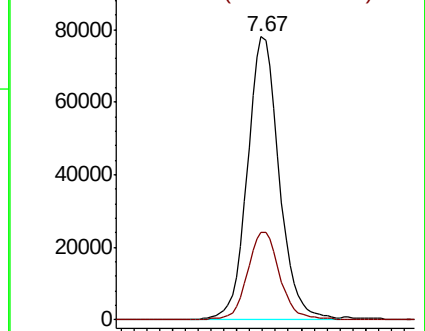
75 100

77 30.8 21.8 40.4

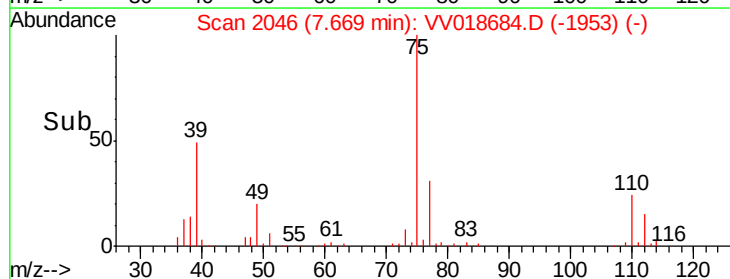


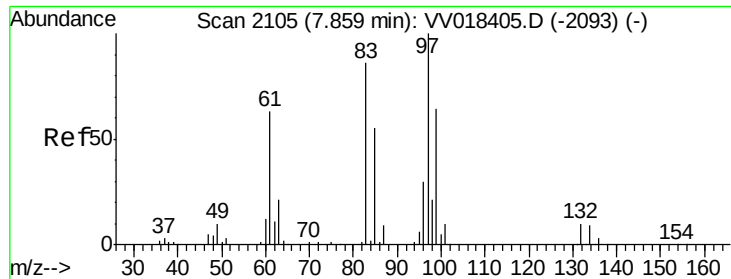
Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



Time-->

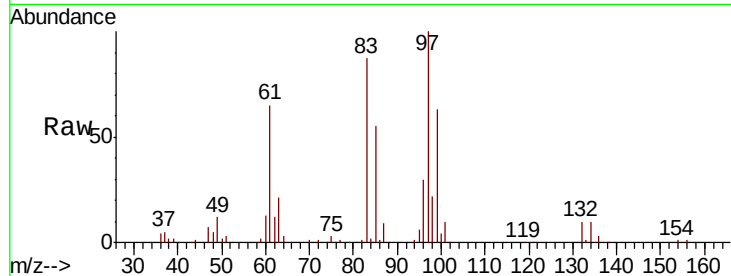




#45
 1,1,2-Trichloroethane
 Concen: 47.033 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

Tot Ion:	97	Resp:	86277
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.6	82.8
83	86.7	60.5	112.5
85	55.2	38.2	71.0



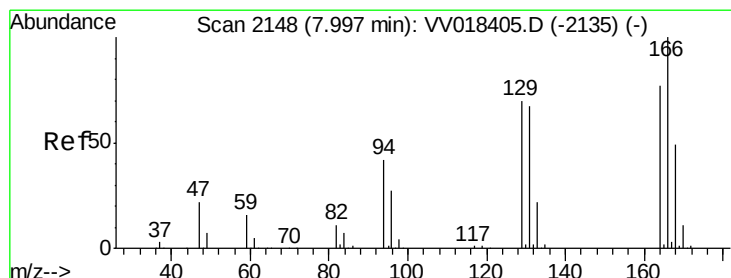
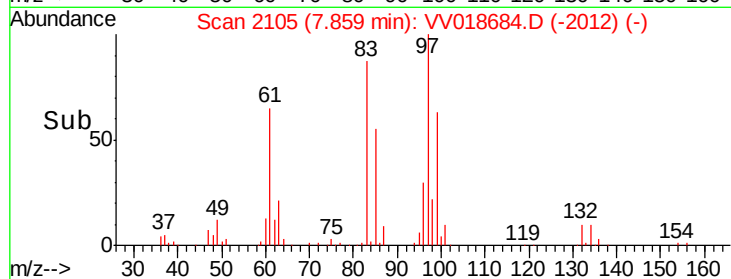
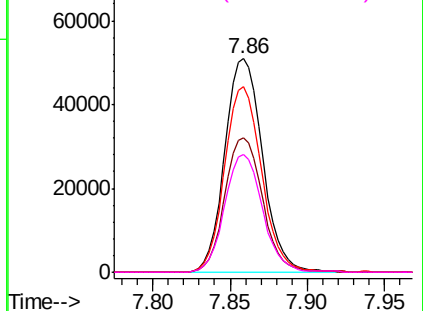
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

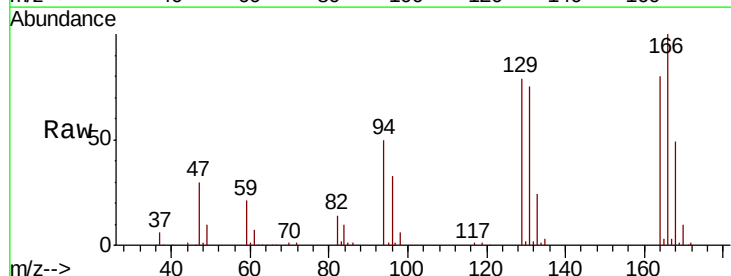
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 43.917 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

Tgt Ion:	164	Resp:	69643
Ion	Ratio	Lower	Upper
164	100		
129	99.4	63.7	118.3
131	94.0	60.6	112.6
166	125.2	90.6	168.3



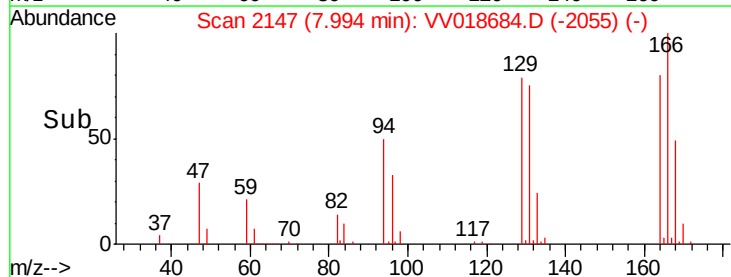
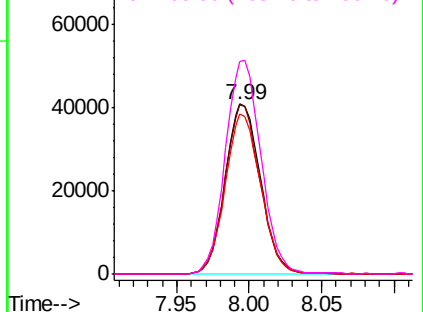
Abundance

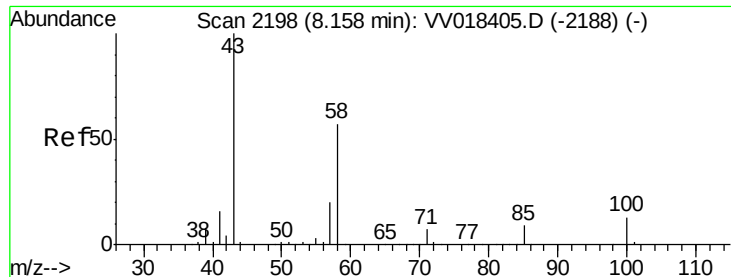
Ion 164.00 (163.70 to 164.70): V

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

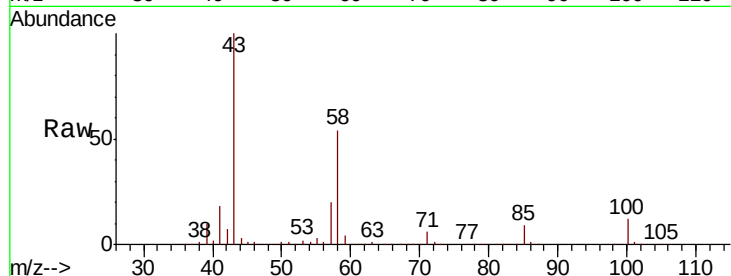




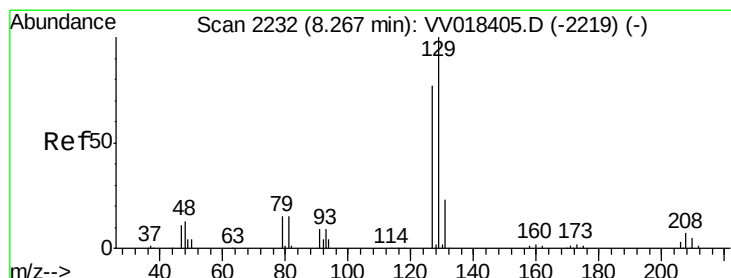
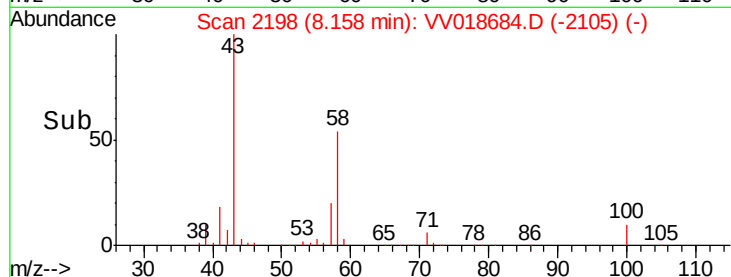
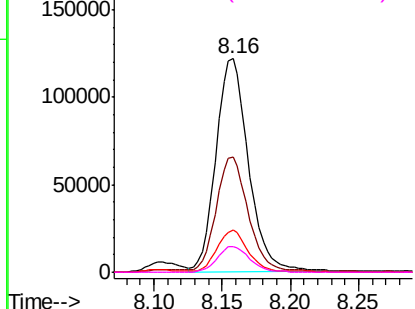
#48
2-Hexanone
Concen: 102.471 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018684.D
Acq: 06 Oct 2020 10:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

Tot Ion:	43	Resp:	200761
Ion	Ratio	Lower	Upper
43	100		
58	53.0	45.4	68.0
57	18.9	16.0	24.0
100	12.4	10.1	15.1

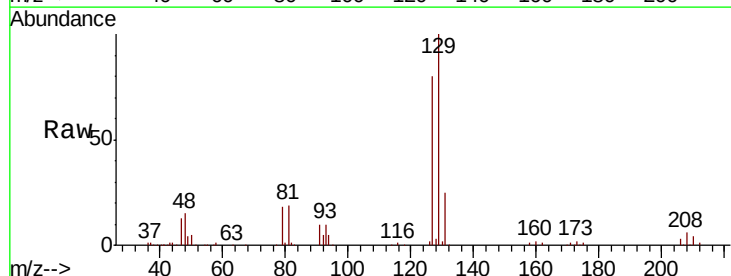


Abundance Ion 43.00 (42.70 to 43.70): VV018684.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV018684.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV018684.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV018684.D (-2198) (-)

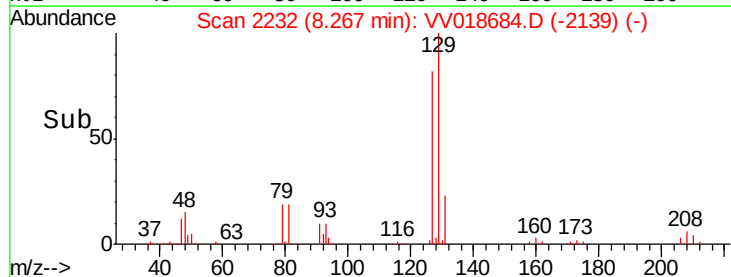
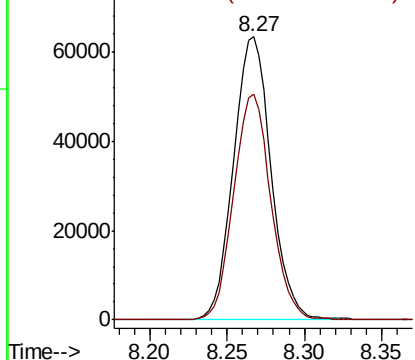


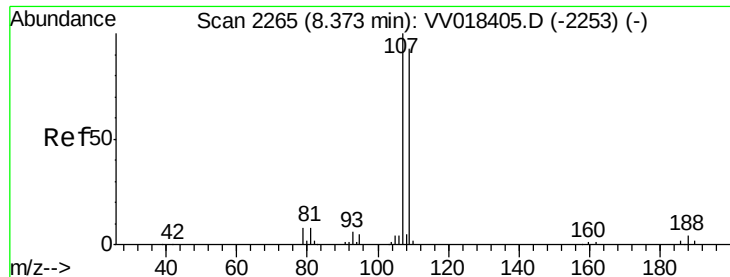
#49
Dibromochloromethane
Concen: 52.322 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018684.D
Acq: 06 Oct 2020 10:37

Tgt Ion:	129	Resp:	106851
Ion	Ratio	Lower	Upper
129	100		
127	79.7	53.5	99.5



Abundance Ion 129.00 (128.70 to 129.70): VV018684.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VV018684.D (-2232) (-)

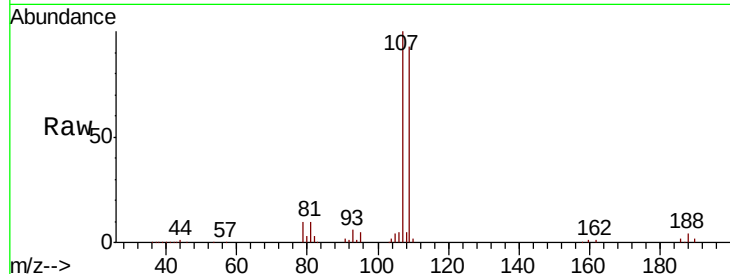




#50
1,2-Dibromoethane
Concen: 54.319 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018684.D
Acq: 06 Oct 2020 10:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	64.9	120.5
188	3.7	3.4	5.0

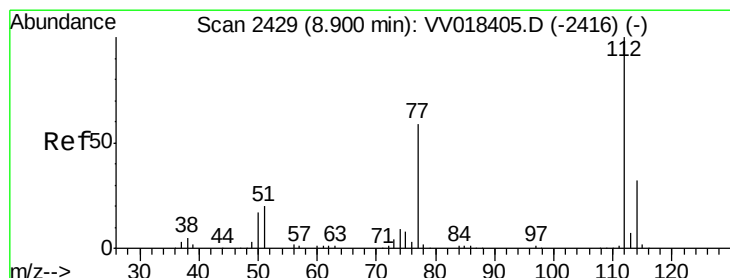
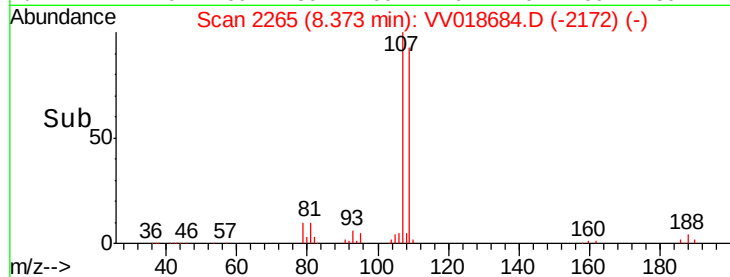
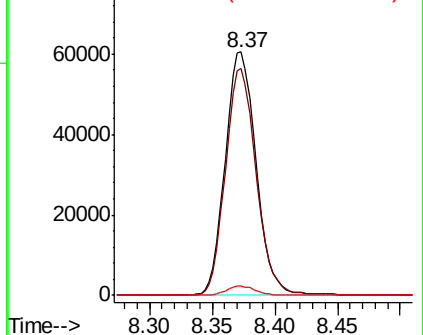


Abundance

Ion 107.00 (106.70 to 107.70): V

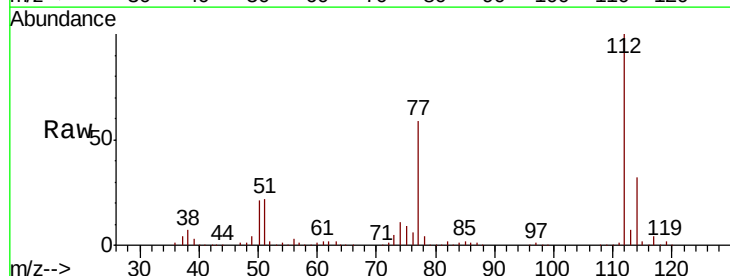
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 47.812 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018684.D
Acq: 06 Oct 2020 10:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.2	41.2
77	59.2	47.4	71.2

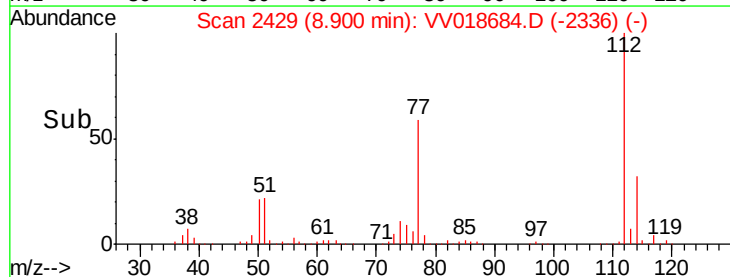
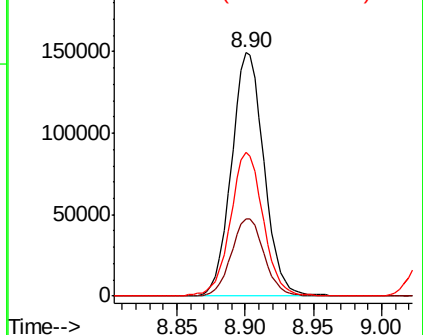


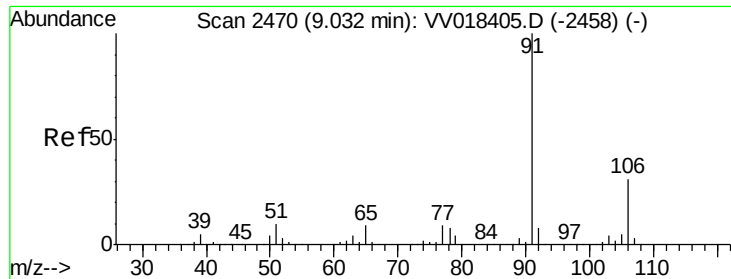
Abundance

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): VV0





#52

Ethylbenzene

Concen: 48.557 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

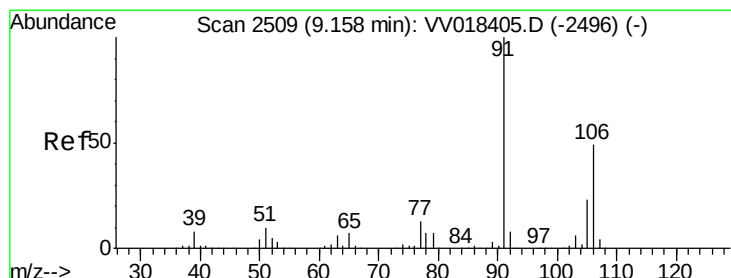
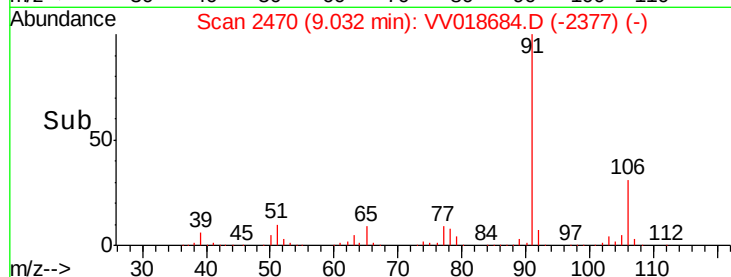
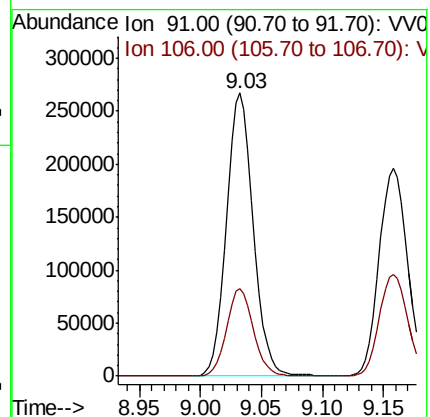
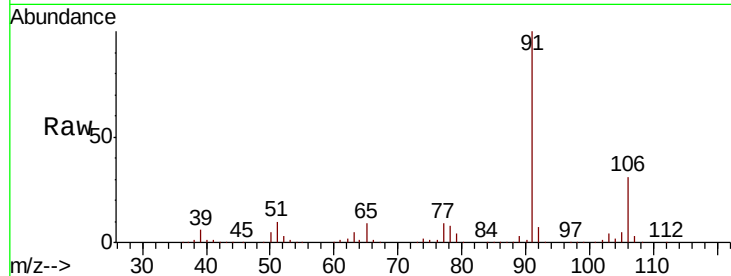
VSTD050309

Tot Ion: 91 Resp: 412995

Ion Ratio Lower Upper

91 100

106 30.9 21.4 39.8



#53

m,p-Xylene

Concen: 48.990 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018684.D

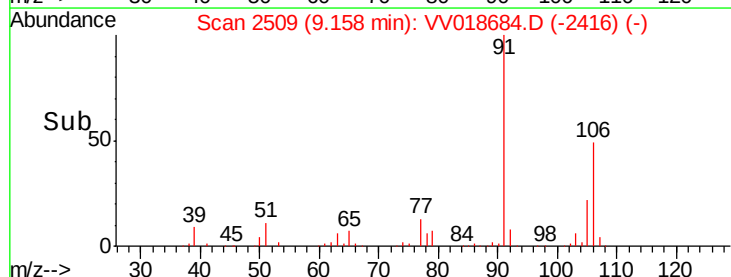
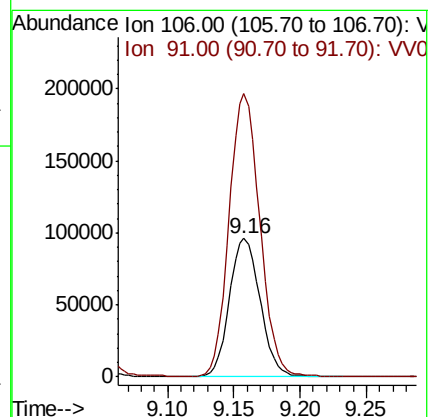
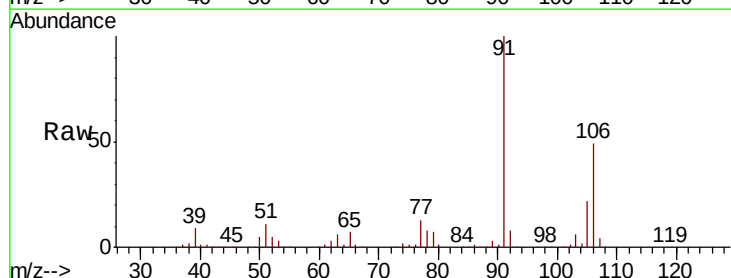
Acq: 06 Oct 2020 10:37

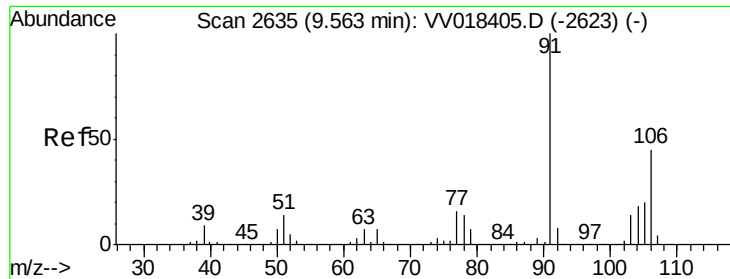
Tgt Ion: 106 Resp: 155588

Ion Ratio Lower Upper

106 100

91 204.8 143.4 266.4





#54

o-Xylene

Concen: 45.613 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

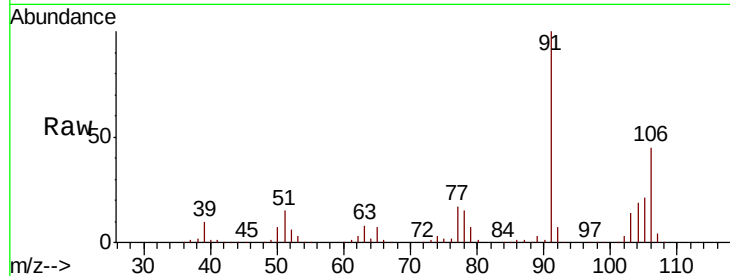
VSTD050309

Tot Ion:106 Resp: 139571

Ion Ratio Lower Upper

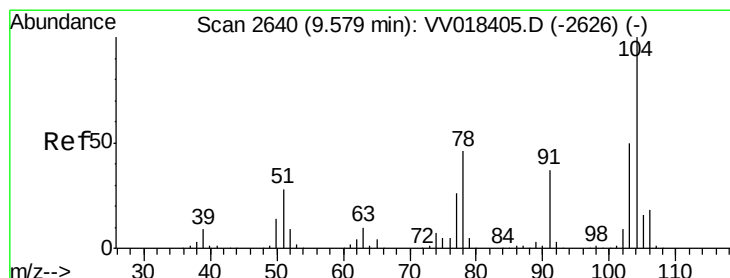
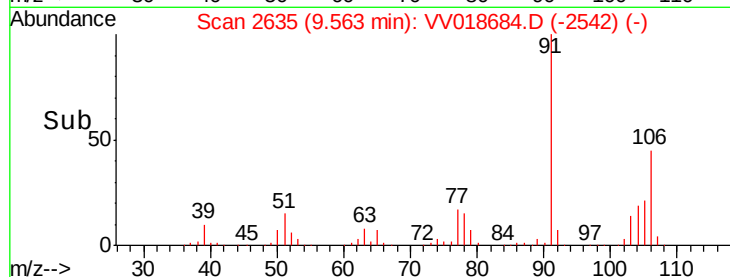
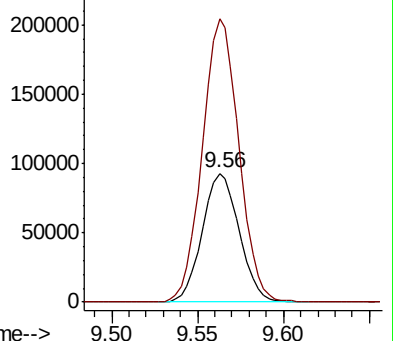
106 100

91 220.2 154.7 287.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 46.500 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018684.D

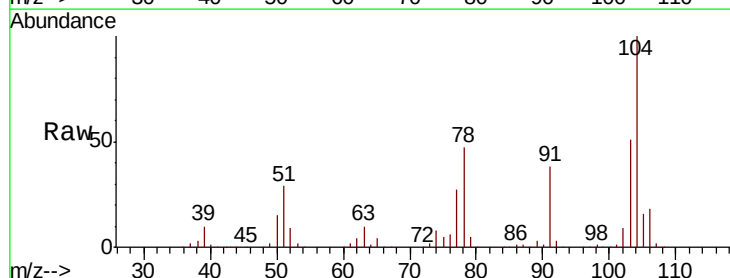
Acq: 06 Oct 2020 10:37

Tgt Ion:104 Resp: 248882

Ion Ratio Lower Upper

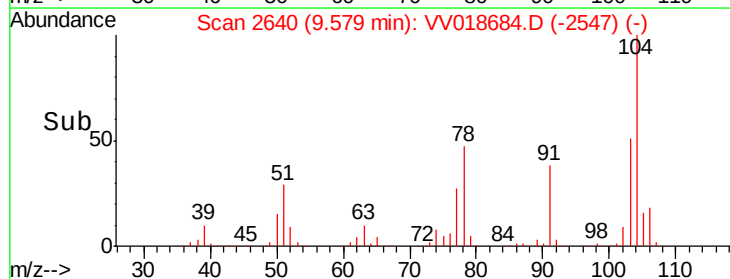
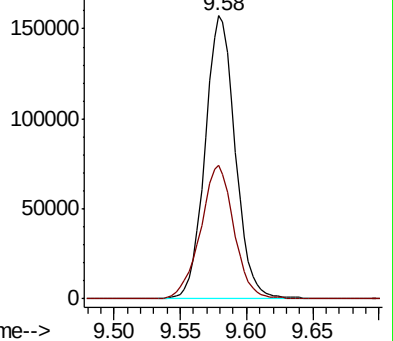
104 100

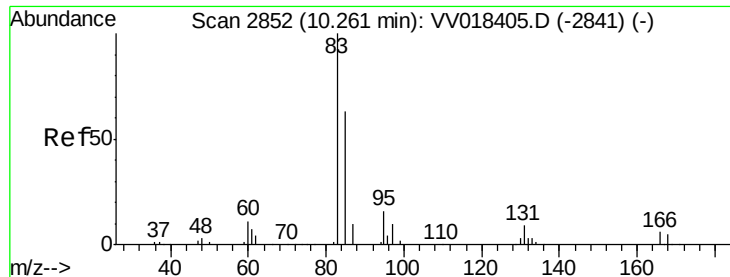
78 47.1 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

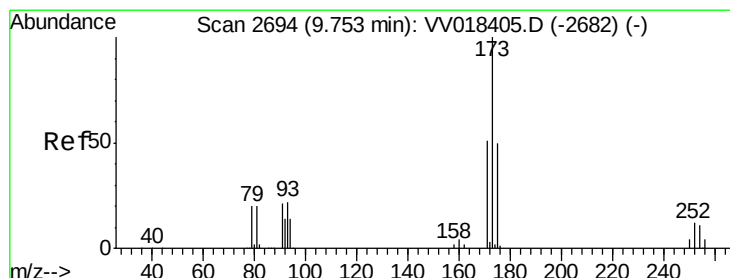
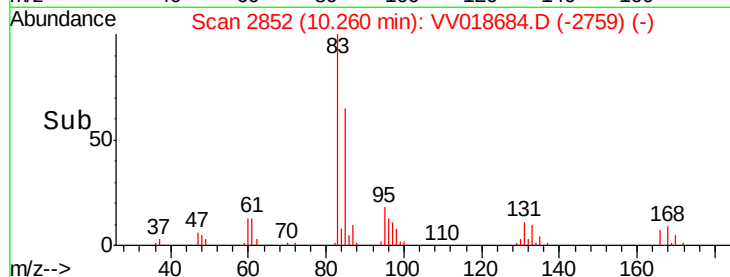
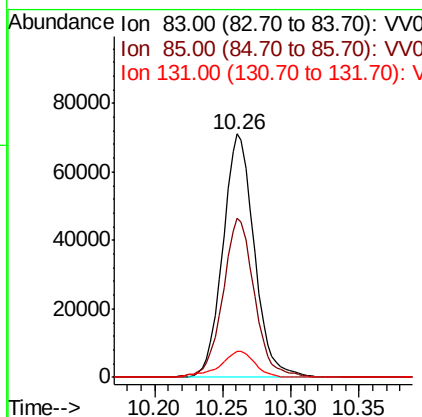
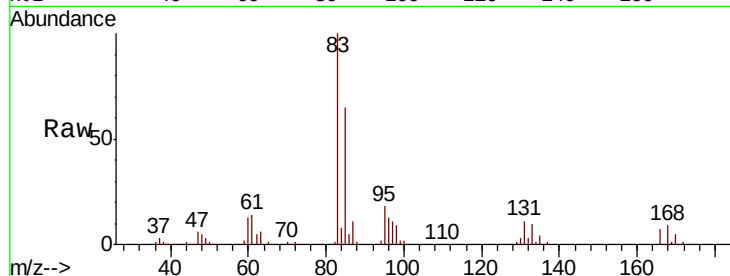




#57
 1,1,2,2-Tetrachloroethane
 Concen: 42.618 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

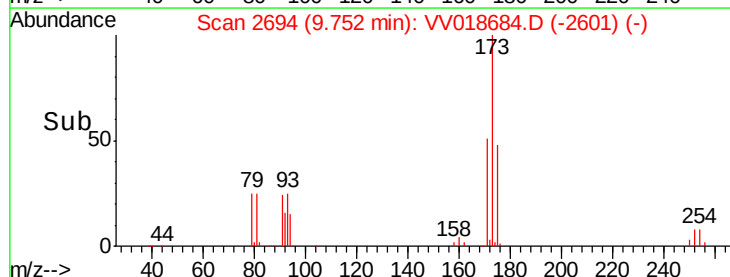
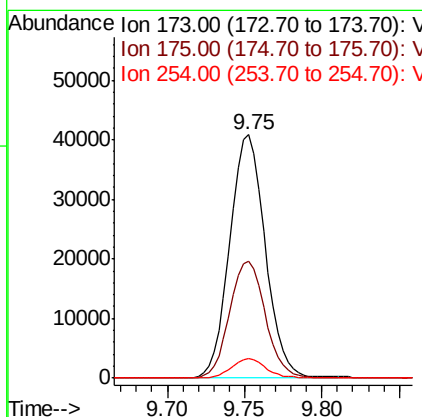
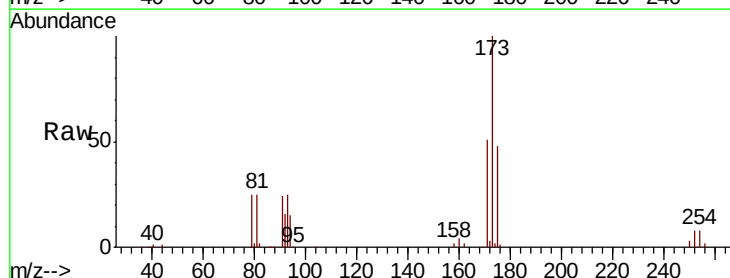
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

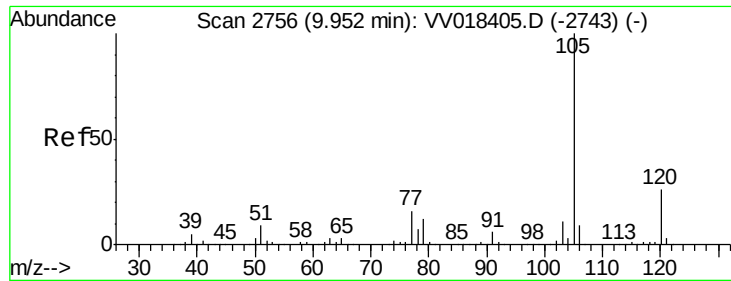
Tot Ion: 83 Resp: 113977
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.4 82.5
 131 10.7 7.8 11.6



#59
 Bromoform
 Concen: 48.987 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

Tgt Ion: 173 Resp: 65132
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.4 59.2
 254 7.8 8.7 13.1#





#60

Isopropylbenzene

Concen: 49.100 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050309

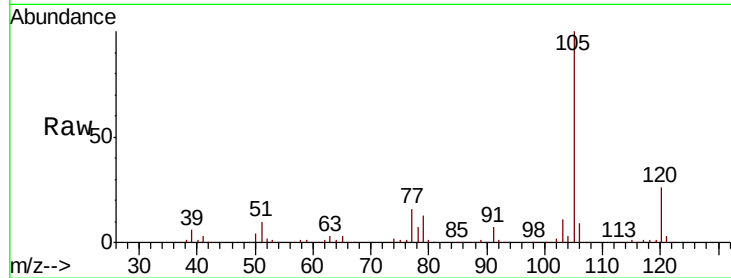
Tot Ion:105 Resp: 359953

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

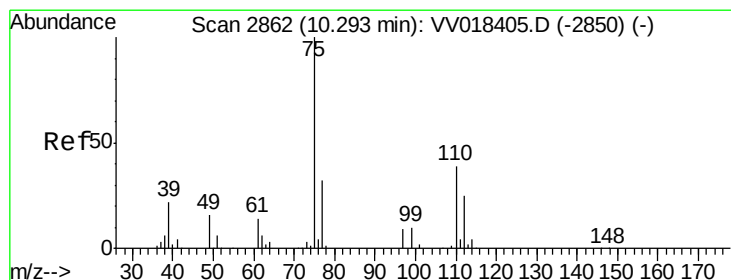
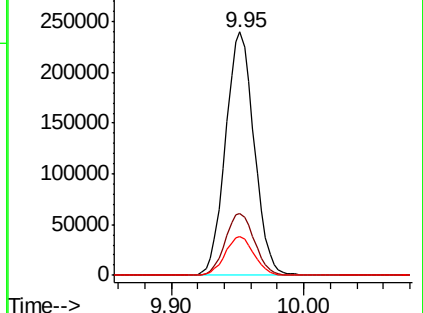
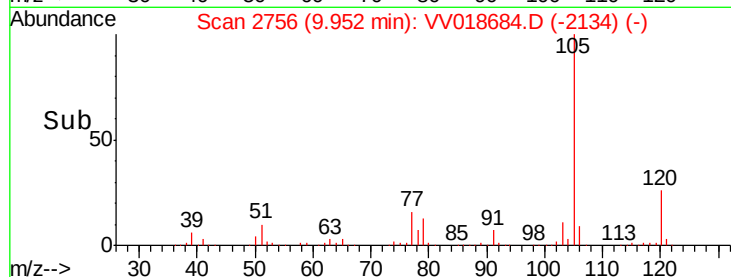
77 16.2 12.8 19.2



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): V



#61

1,2,3-Trichloropropane

Concen: 51.372 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

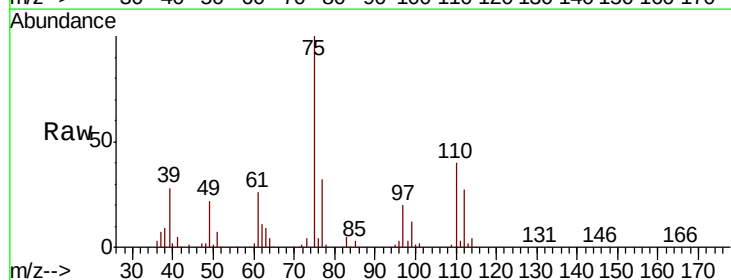
Tgt Ion: 75 Resp: 106033

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

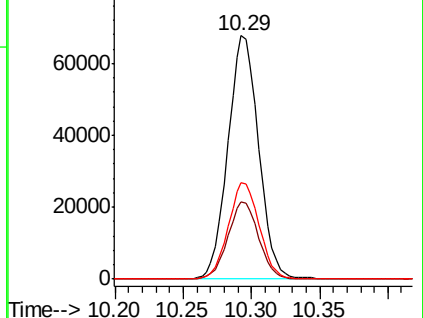
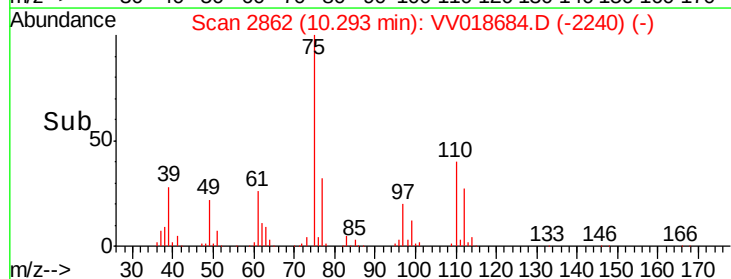
110 39.7 31.5 47.3

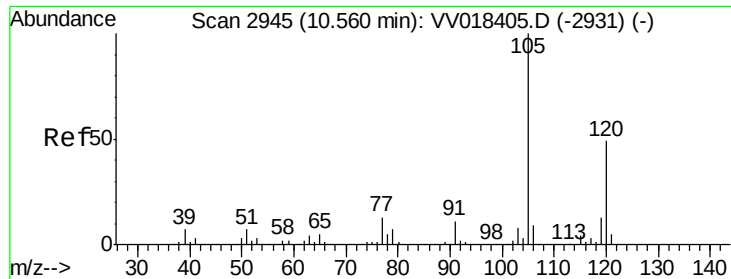


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 50.738 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV018684.D

Acq: 06 Oct 2020 10:37

Instrument :

MSVOA_V

ClientSampleId :

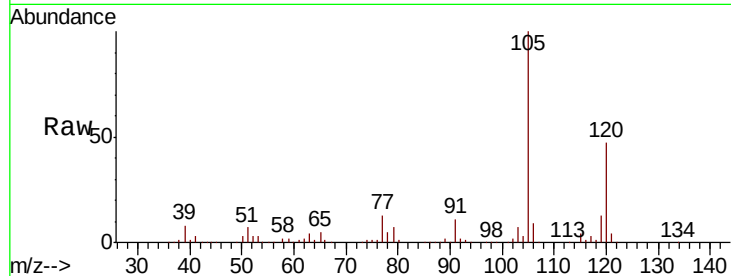
VSTD050309

Tot Ion:105 Resp: 301083

Ion Ratio Lower Upper

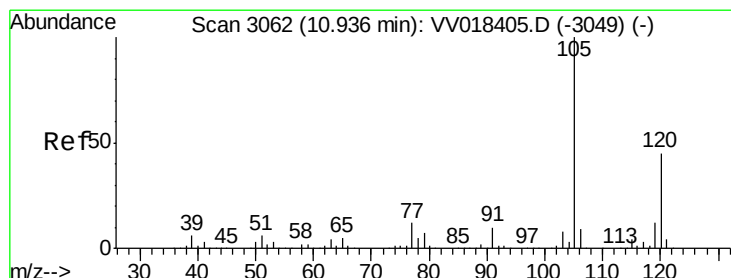
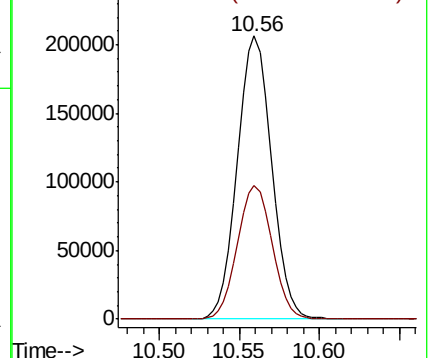
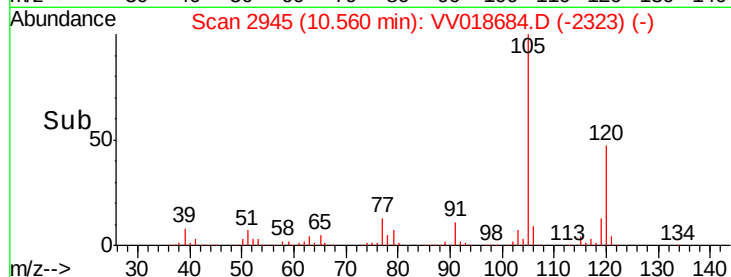
105 100

120 48.0 39.1 58.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 51.356 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV018684.D

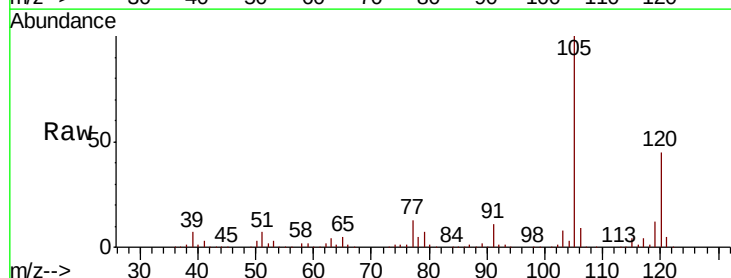
Acq: 06 Oct 2020 10:37

Tgt Ion:105 Resp: 312887

Ion Ratio Lower Upper

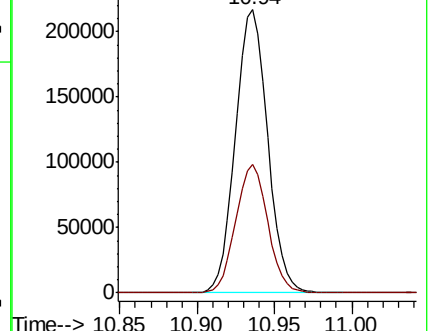
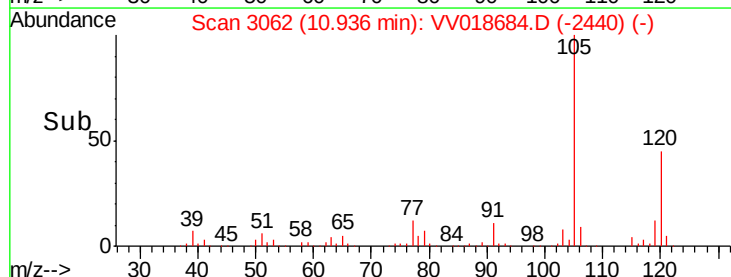
105 100

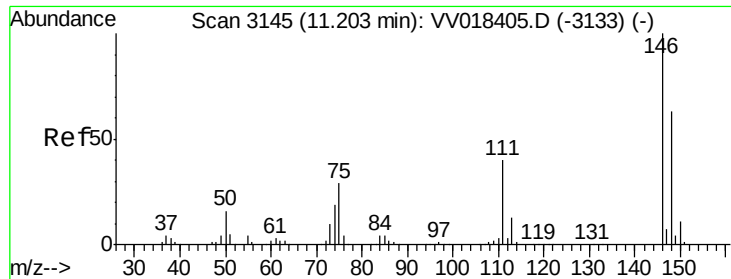
120 45.1 36.2 54.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

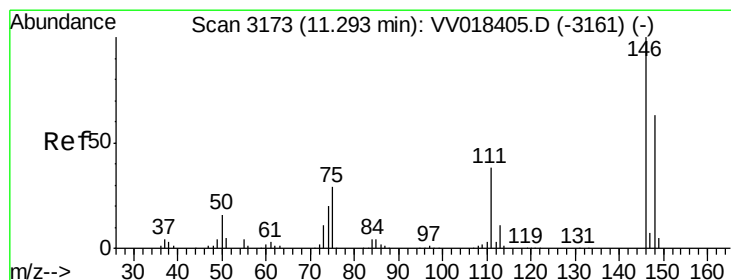
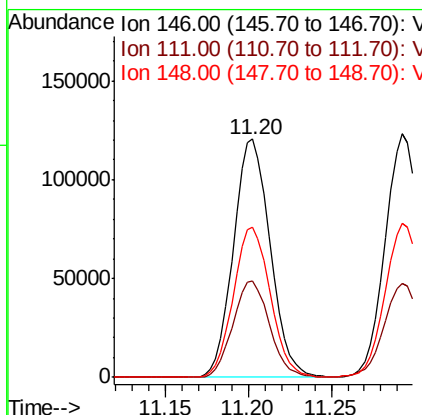
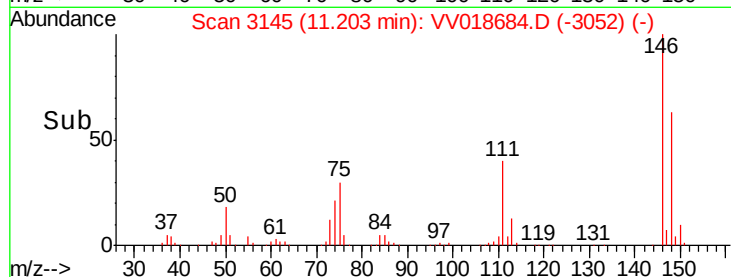
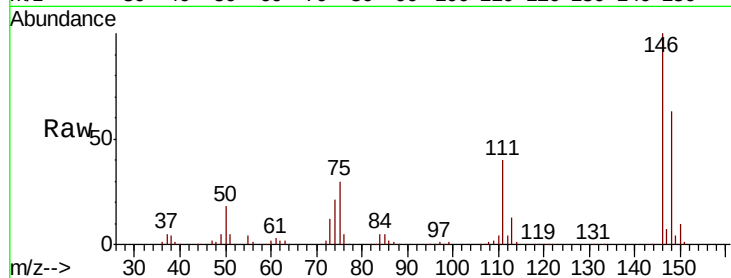




#64
 1,3-Dichlorobenzene
 Concen: 49.921 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

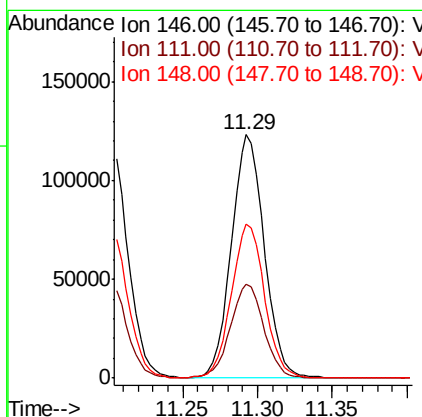
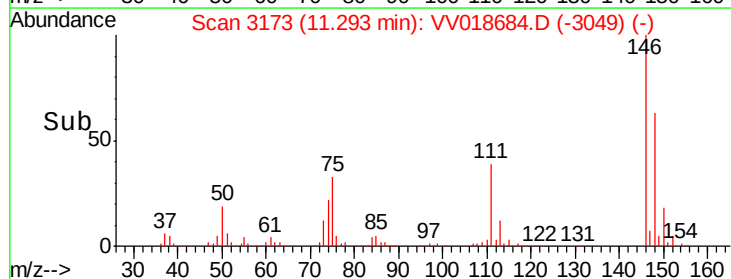
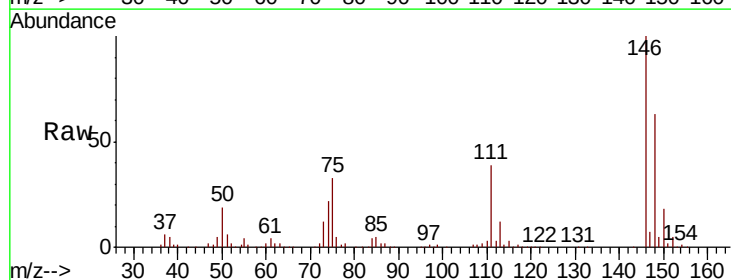
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

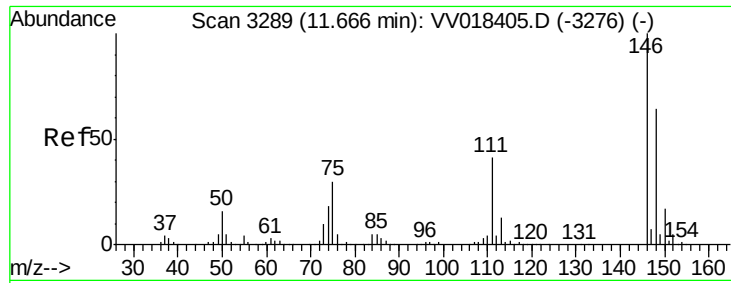
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	27.6	51.4
148	62.9	44.2	82.2



#65
 1,4-Dichlorobenzene
 Concen: 47.962 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	26.6	49.4
148	63.4	44.3	82.3

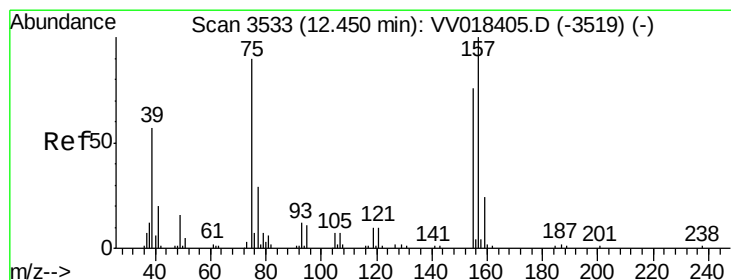
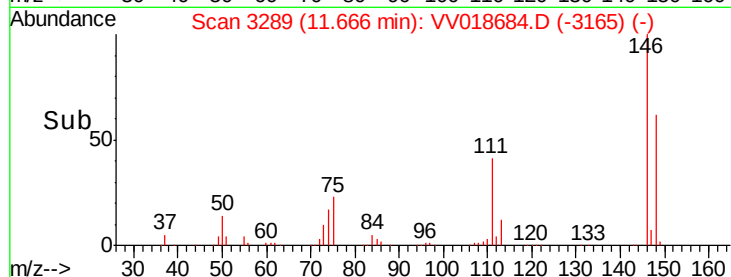
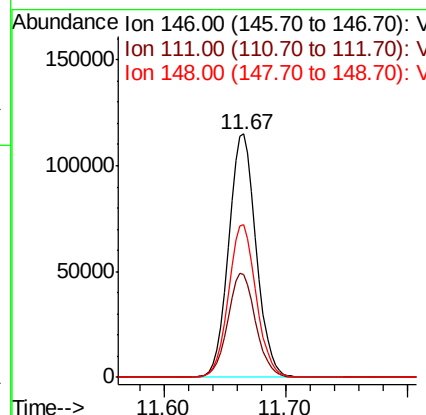
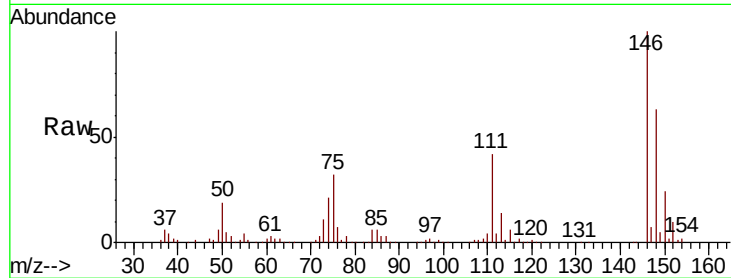




#67
 1,2-Dichlorobenzene
 Concen: 48.598 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

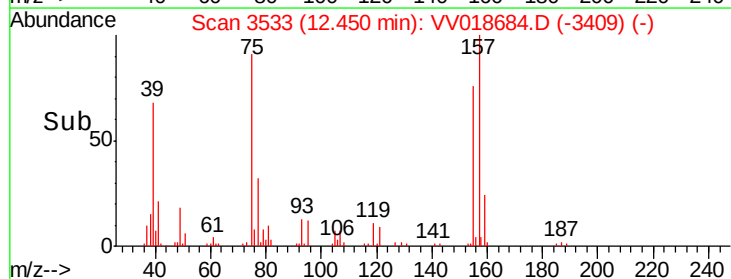
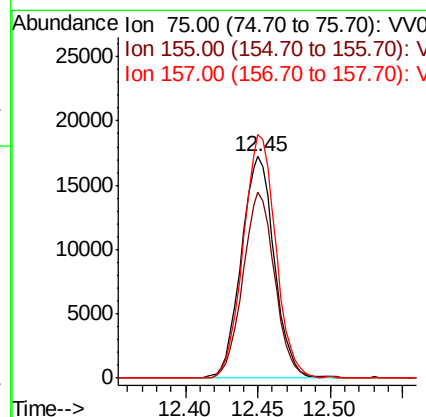
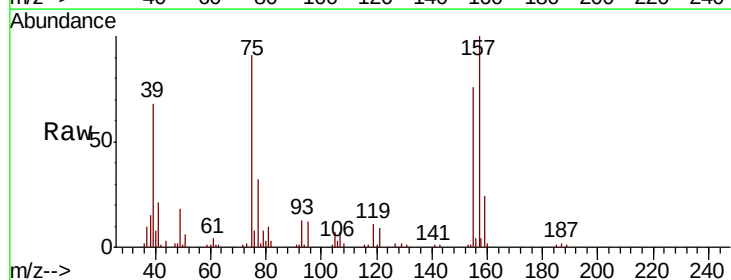
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

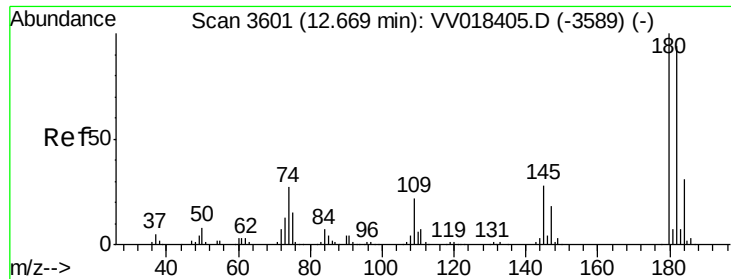
Tot Ion:146 Resp: 182058
 Ion Ratio Lower Upper
 146 100
 111 42.2 32.6 49.0
 148 62.6 51.0 76.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 52.351 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

Tgt Ion: 75 Resp: 27301
 Ion Ratio Lower Upper
 75 100
 155 84.0 67.6 101.4
 157 110.0 88.7 133.1

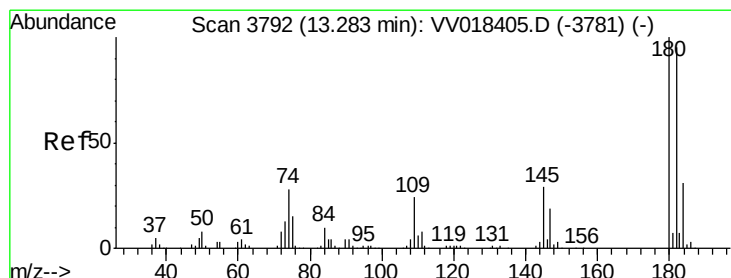
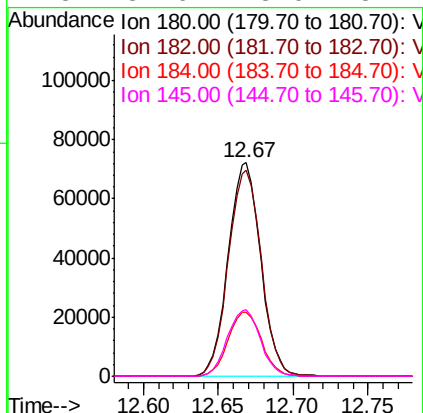
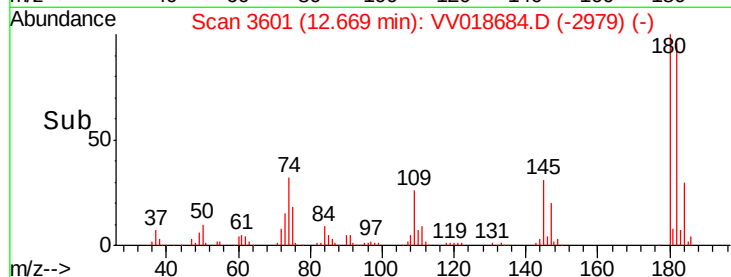
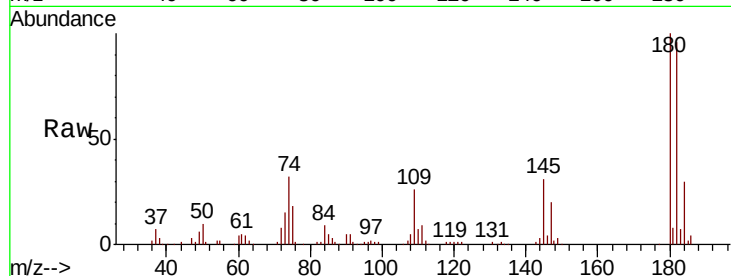




#69
 1,3,5-Trichlorobenzene
 Concen: 37.595 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

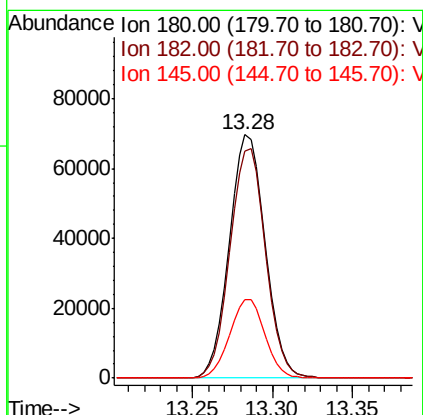
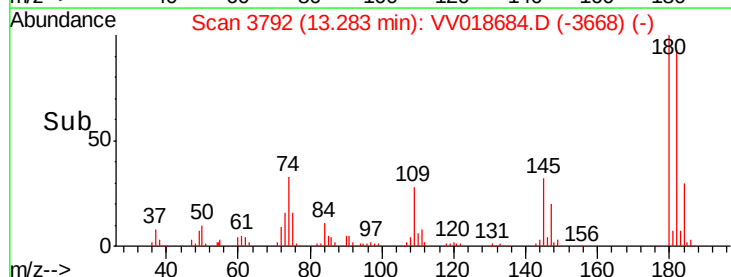
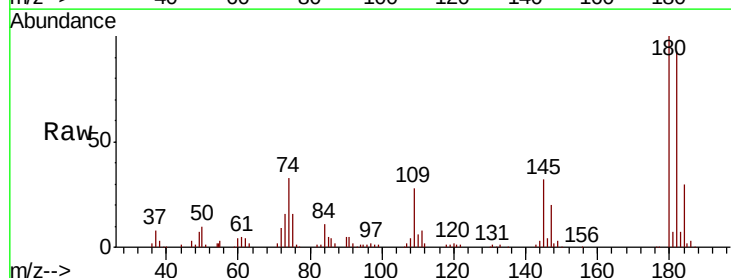
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

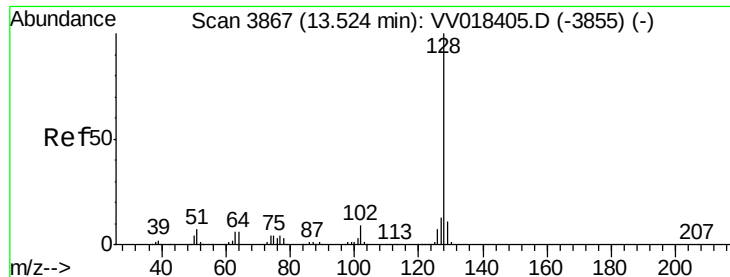
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.6	115.0
184	30.8	24.8	37.2
145	31.6	23.0	34.4



#70
 1,2,4-trichlorobenzene
 Concen: 40.824 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018684.D
 Acq: 06 Oct 2020 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.8	113.6
145	31.9	23.0	34.4

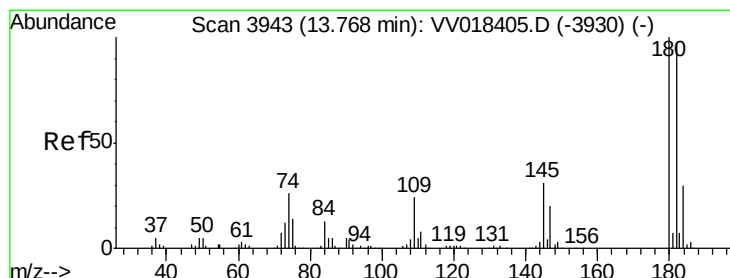
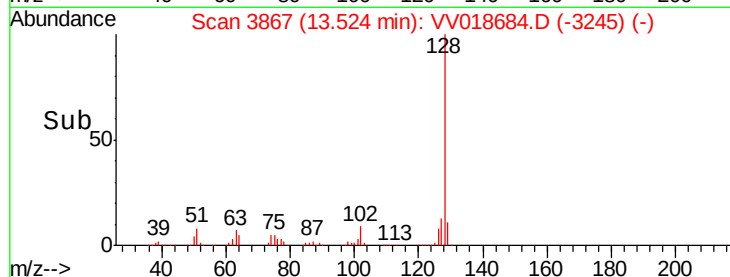
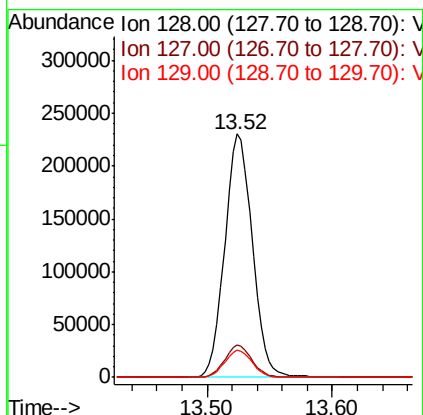
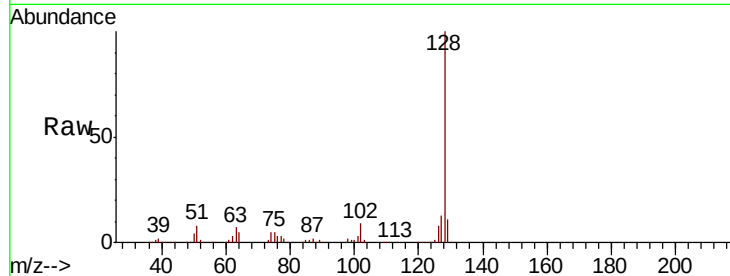




#71
Naphthalene
Concen: 52.023 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV018684.D
Acq: 06 Oct 2020 10:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD050309

Tot Ion:128 Resp: 351280
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 41.725 ug/L
RT: 13.77 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VV018684.D
Acq: 06 Oct 2020 10:37

Tgt Ion:180 Resp: 109167
Ion Ratio Lower Upper
180 100
182 95.7 77.1 115.7
145 33.6 25.0 37.6

