

Data File : VV014044.D
Acq On : 12 Dec 2019 20:19
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Quant Time: Dec 13 06:18:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 13 06:14:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	729274	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	721068	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	375479	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	209094	49.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.14%
7) Chloroethane-d5	1.56	69	209454	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.16%
11) 1,1-Dichloroethene-d2	2.13	63	440822	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
21) 2-Butanone-d5	3.92	46	311274	104.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.85%
24) Chloroform-d	4.39	84	437272	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
26) 1,2-Dichloroethane-d4	5.07	65	261959	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.34%
32) Benzene-d6	5.09	84	879285	47.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.12%
36) 1,2-Dichloropropane-d6	6.11	67	271799	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.92%
41) Toluene-d8	7.35	98	824214	48.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.78%
43) trans-1,3-Dichloropropene-	7.66	79	116632	42.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.48%
47) 2-Hexanone-d5	8.13	63	169510	80.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.94%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	355880	43.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.64%
64) 1,2-Dichlorobenzene-d4	11.67	152	342101	46.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.78%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	309221	47.620 ug/L	98
3) Chloromethane	1.25	50	332366	55.986 ug/L	99
5) Vinyl chloride	1.32	62	339394	54.815 ug/L	97
6) Bromomethane	1.51	94	160205	42.796 ug/L	99
8) Chloroethane	1.58	64	210646	51.131 ug/L	97
9) Trichlorofluoromethane	1.76	101	464775	48.263 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	256852	46.830 ug/L	98
12) 1,1-Dichloroethene	2.13	96	250742	47.328 ug/L	97
13) Acetone	2.18	43	278761	64.076 ug/L	98
14) Carbon disulfide	2.31	76	675955	48.381 ug/L	100
15) Methyl Acetate	2.45	43	324053	60.439 ug/L	98
16) Methylene chloride	2.53	84	316782	57.418 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	268602	51.832 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	862468	57.350 ug/L	99
19) 1,1-Dichloroethane	3.22	63	522682	55.983 ug/L	98
22) 2-Butanone	4.01	43	417474	99.976 ug/L	97
23) Bromochloromethane	4.29	128	159624	51.483 ug/L	94

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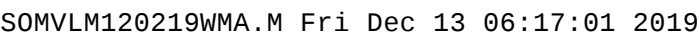
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

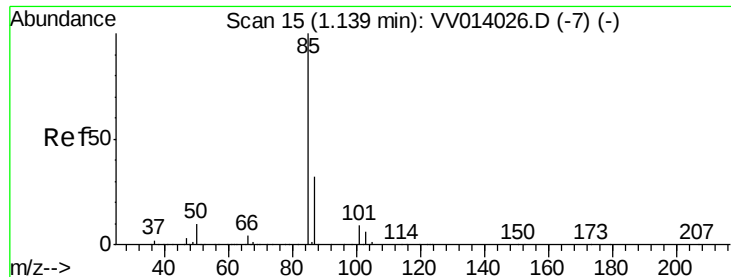
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Quant Title : VOC Analysis
QLast Update : Fri Dec 13 06:14:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.42	83	508992	50.995	ug/L	99
27) 1,2-Dichloroethane	5.17	62	375105	52.155	ug/L	97
29) Cyclohexane	4.72	56	407062	48.319	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	425174	48.843	ug/L	100
31) Carbon tetrachloride	4.87	117	383289	49.292	ug/L	98
33) Benzene	5.14	78	1120648	52.188	ug/L	100
34) Trichloroethene	5.96	95	296043	51.402	ug/L	99
35) Methylcyclohexane	6.17	83	414701	47.990	ug/L	99
38) Bromodichloromethane	6.55	83	369107	50.079	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	415936	50.837	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	748669	110.780	ug/L	99
42) Toluene	7.43	91	1197210	54.036	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	361778	48.830	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	284442	55.138	ug/L	97
46) Tetrachloroethene	8.01	164	252534	48.592	ug/L	96
48) 2-Hexanone	8.18	43	580961	107.463	ug/L	96
49) Dibromochloromethane	8.28	129	320616	50.843	ug/L	98
50) 1,2-Dibromoethane	8.39	107	301900	53.125	ug/L	100
51) Chlorobenzene	8.92	112	787811	51.540	ug/L	97
52) Ethylbenzene	9.05	91	1279931	52.403	ug/L	98
53) m,p-Xylene	9.18	106	502338	53.185	ug/L	98
54) o-xylene	9.58	106	499737	54.114	ug/L	97
55) Styrene	9.60	104	855441	53.689	ug/L	100
56) Isopropylbenzene	9.97	105	1294916	52.166	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	414358	49.339	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	363117	51.630	ug/L	99
61) Bromoform	9.77	173	249801	54.386	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	631073	51.222	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	623770	48.973	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	647038	52.502	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	79512	46.424	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	457091	45.686	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	347754	38.521	ug/L	99
69) Naphthalene	13.55	128	616994	26.029	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	377922	40.030	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 47.620 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

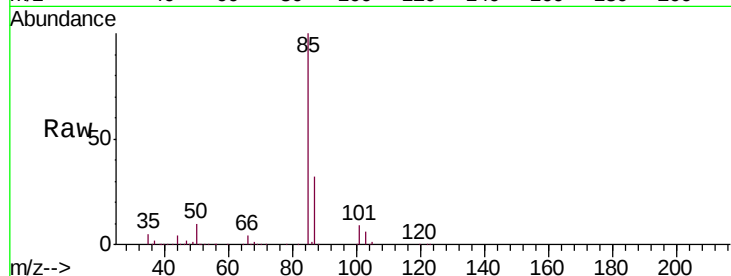
VSTD05080

Tgt Ion: 85 Resp: 309221

Ion Ratio Lower Upper

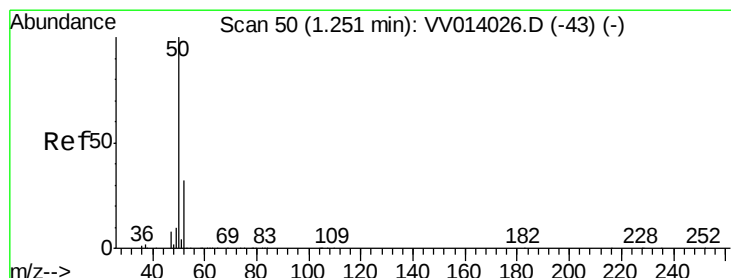
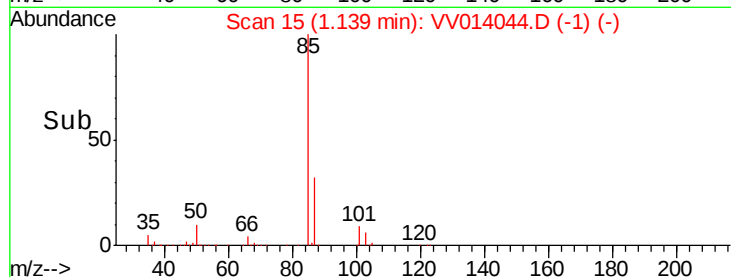
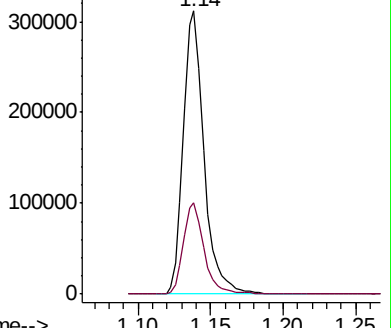
85 100

87 31.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV014044.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV014044.D (-1) (-)



#3

Chloromethane

Concen: 55.986 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014044.D

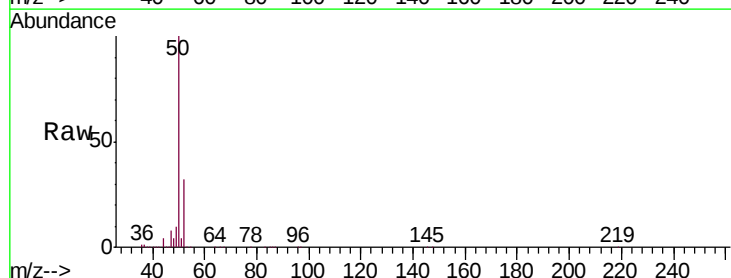
Acq: 12 Dec 2019 20:19

Tgt Ion: 50 Resp: 332366

Ion Ratio Lower Upper

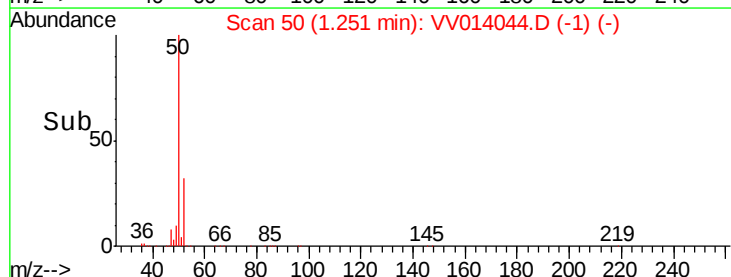
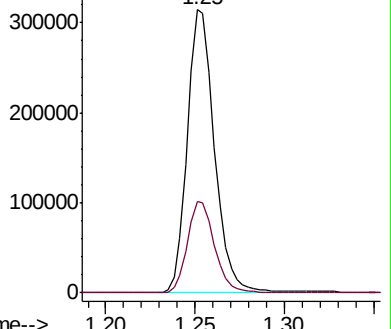
50 100

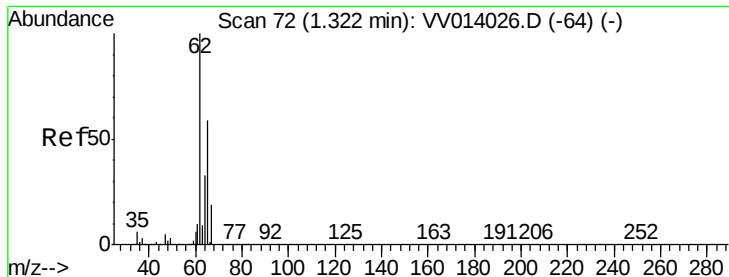
52 32.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV014044.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV014044.D (-1) (-)





#5

Vinyl chloride

Concen: 54.815 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

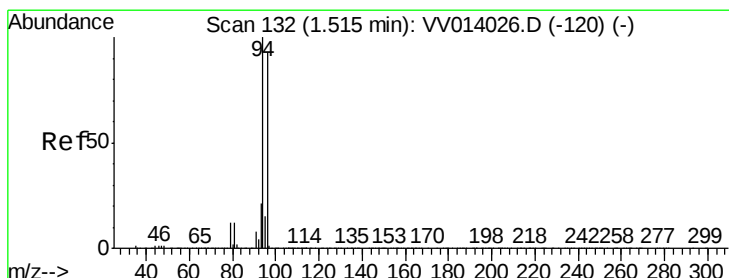
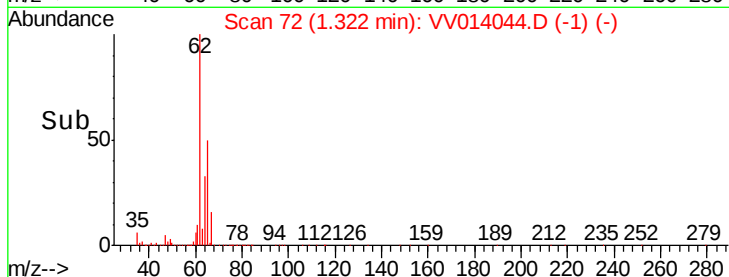
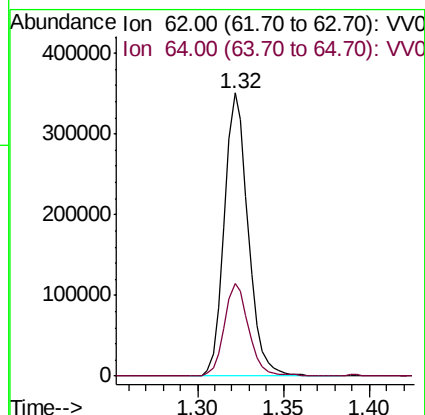
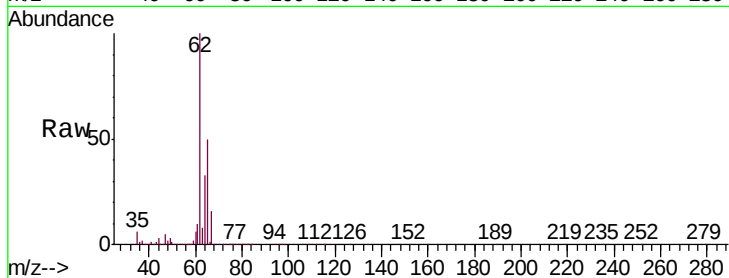
VSTD05080

Tgt Ion: 62 Resp: 339394

Ion Ratio Lower Upper

62 100

64 33.0 24.1 44.8



#6

Bromomethane

Concen: 42.796 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV014044.D

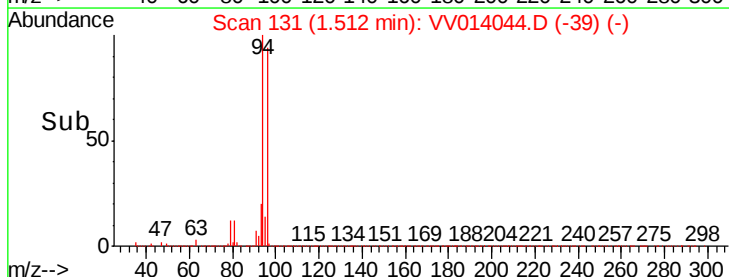
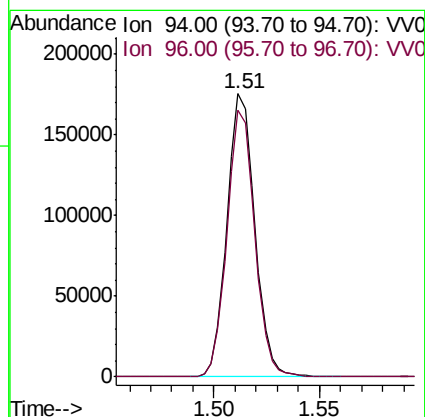
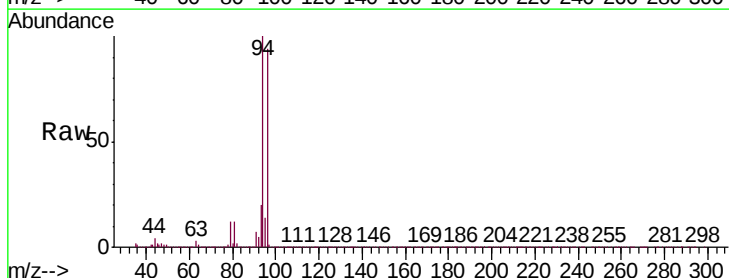
Acq: 12 Dec 2019 20:19

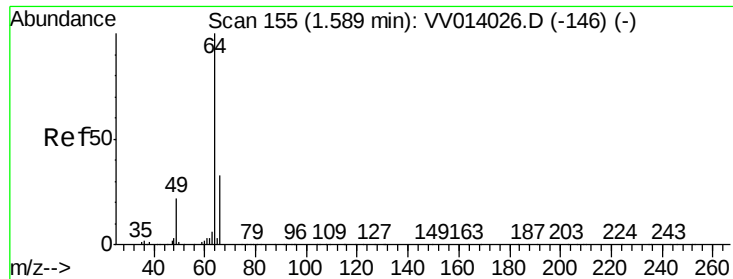
Tgt Ion: 94 Resp: 160205

Ion Ratio Lower Upper

94 100

96 94.1 66.2 123.0





#8

Chloroethane

Concen: 51.131 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.01 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

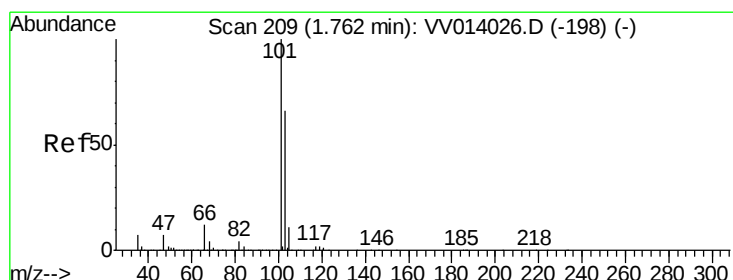
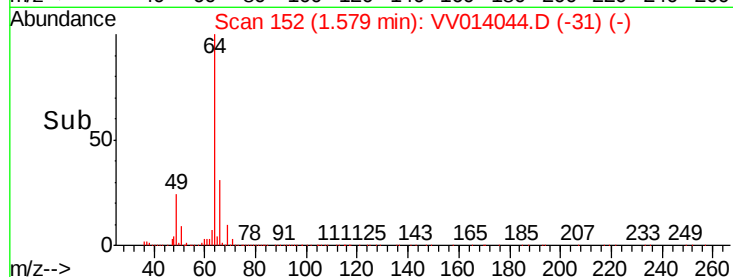
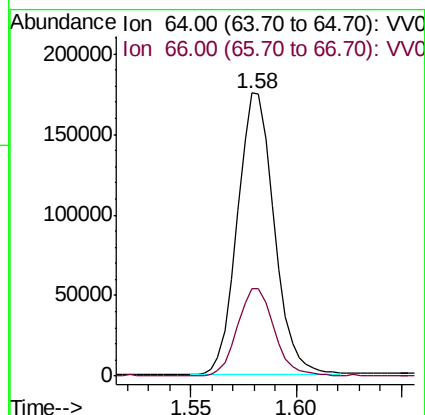
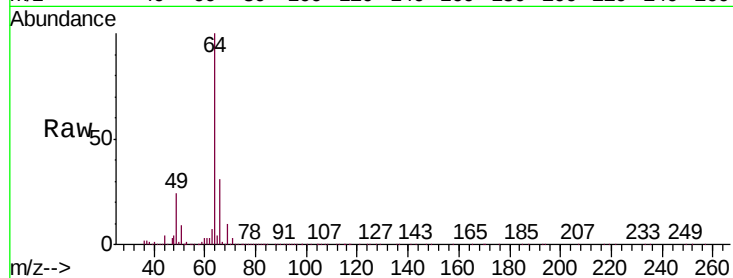
VSTD05080

Tgt Ion: 64 Resp: 210646

Ion Ratio Lower Upper

64 100

66 30.8 22.7 42.1



#9

Trichlorofluoromethane

Concen: 48.263 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV014044.D

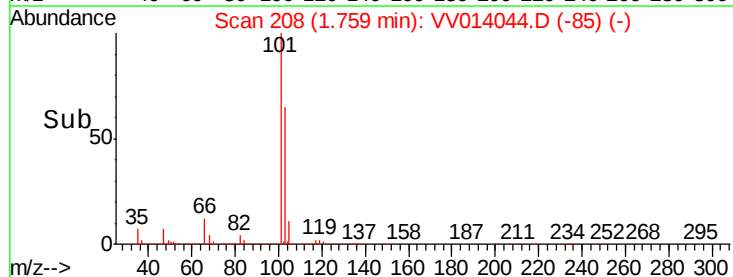
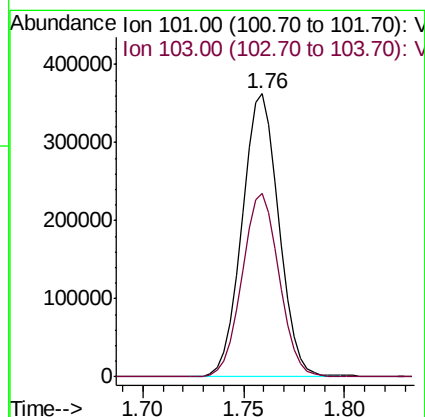
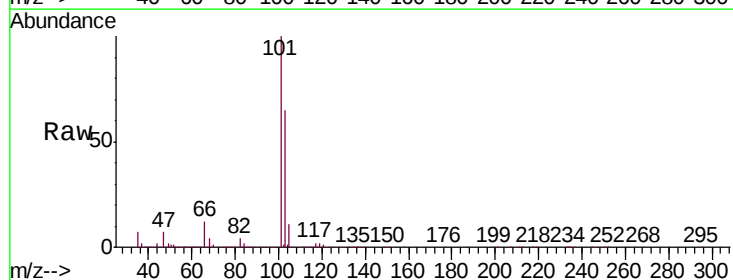
Acq: 12 Dec 2019 20:19

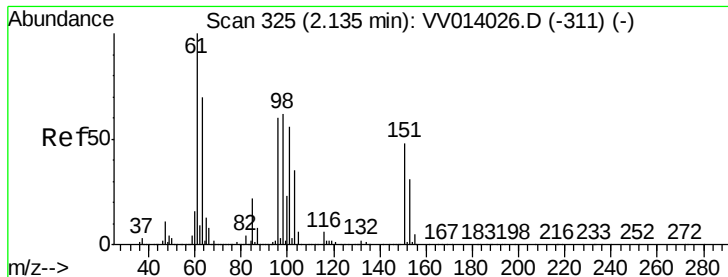
Tgt Ion: 101 Resp: 464775

Ion Ratio Lower Upper

101 100

103 65.2 51.9 77.9





#10

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

Concen: 46.830 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

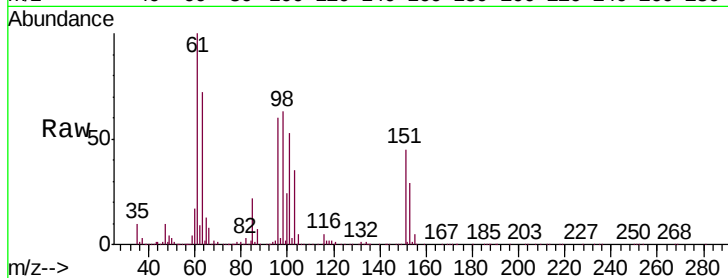
Tgt Ion: 101 Resp: 256852

Ion Ratio Lower Upper

101 100

85 42.2 32.5 48.7

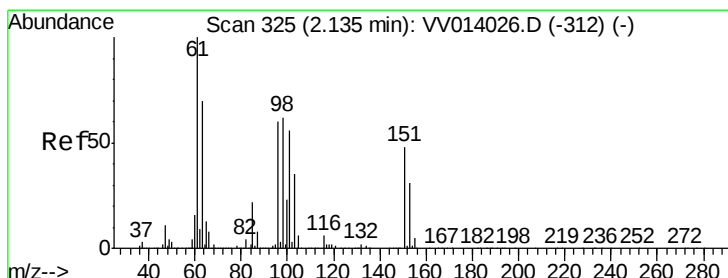
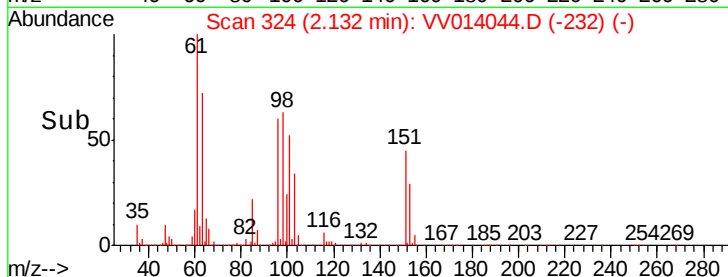
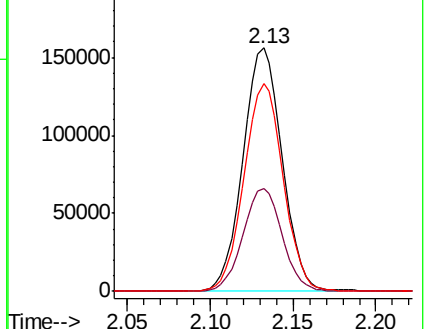
151 85.2 69.8 104.6



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: 47.328 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

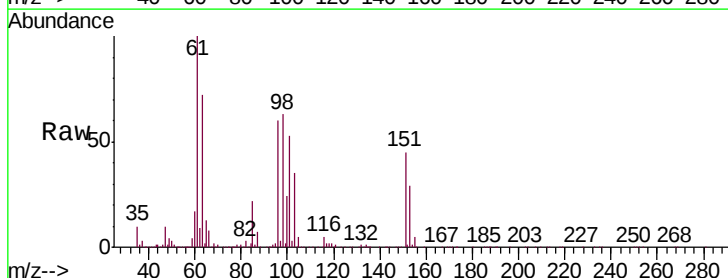
Tgt Ion: 96 Resp: 250742

Ion Ratio Lower Upper

96 100

61 165.7 114.0 211.8

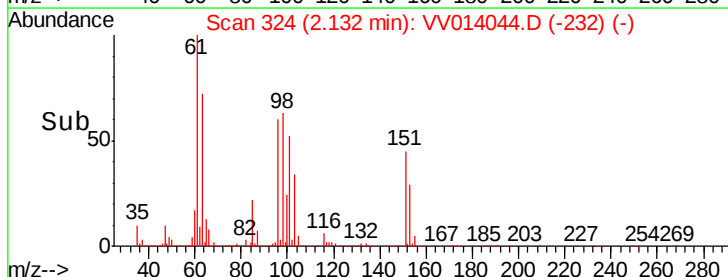
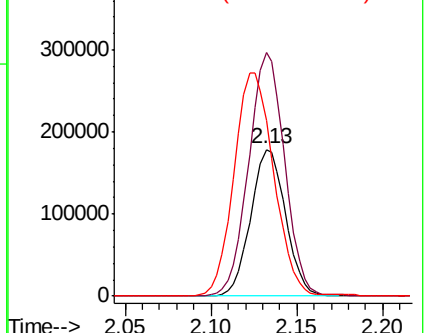
63 119.3 80.3 149.1

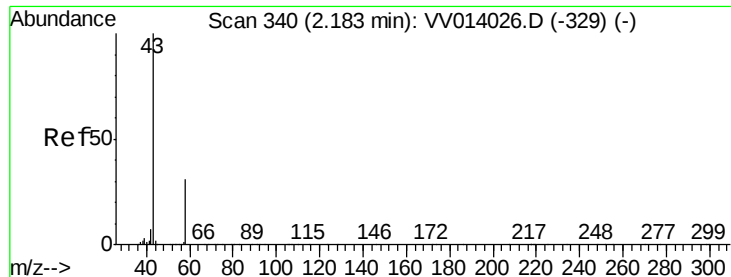


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 64.076 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

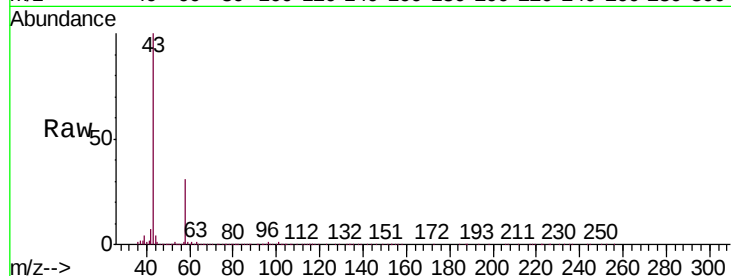
VSTD05080

Tgt Ion: 43 Resp: 278761

Ion Ratio Lower Upper

43 100

58 31.3 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV014026.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014026.D (-329) (-)

2.18

200000

150000

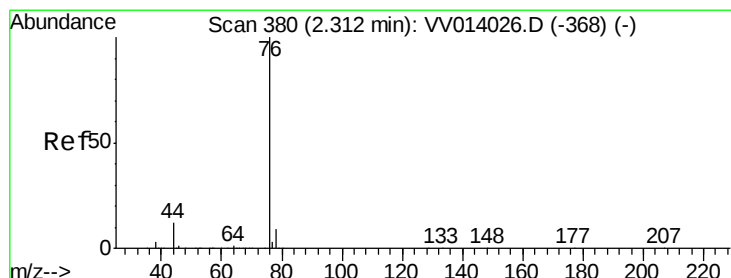
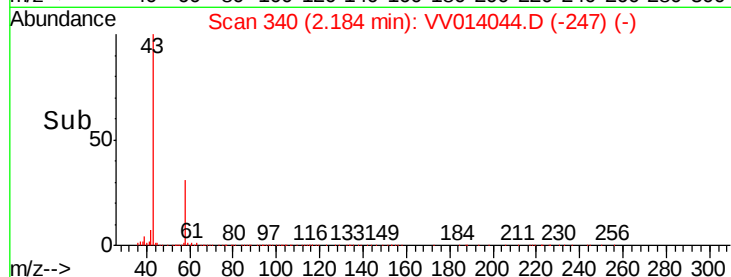
100000

50000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 48.381 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014044.D

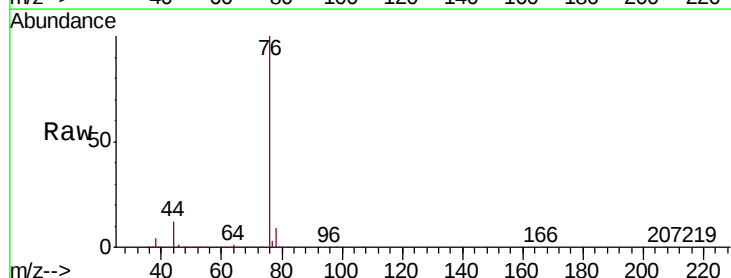
Acq: 12 Dec 2019 20:19

Tgt Ion: 76 Resp: 675955

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV014026.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV014026.D (-368) (-)

2.31

500000

400000

300000

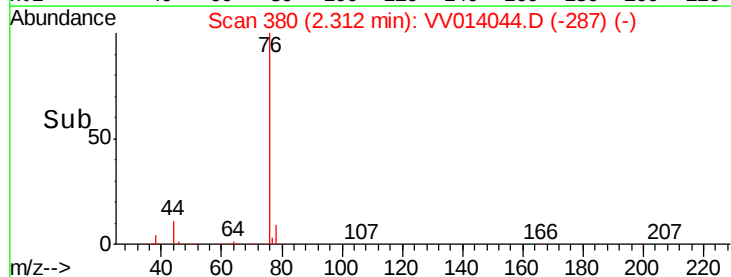
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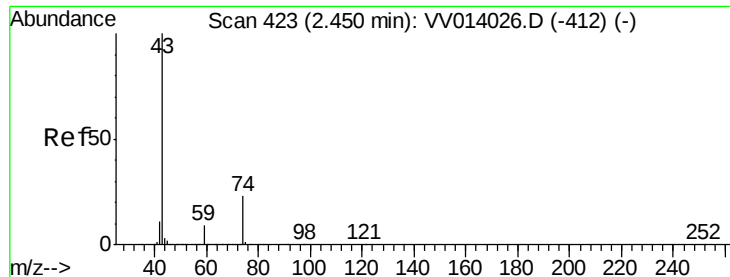
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0

2.25 2.30 2.35 2.40

Time-->

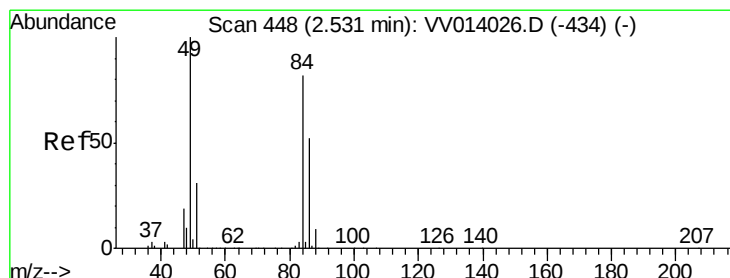
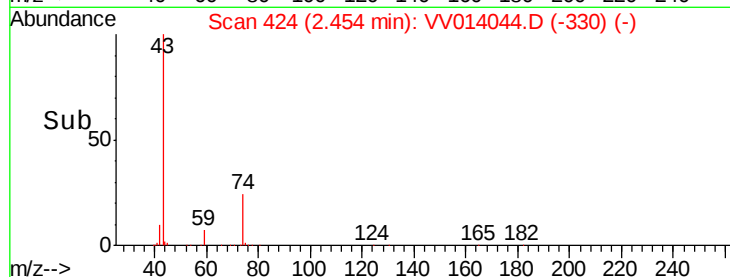
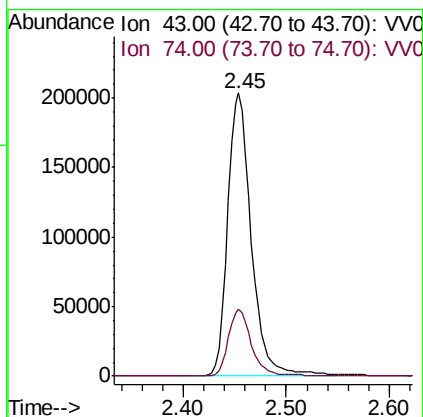
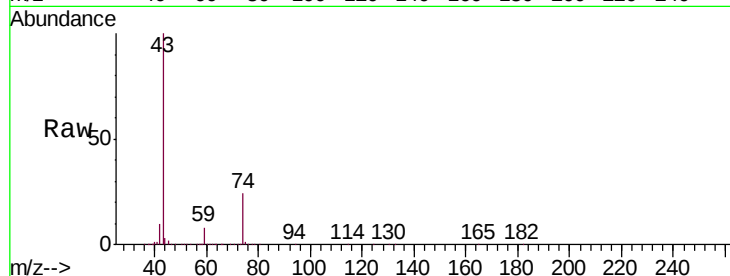




#15
Methyl Acetate
Concen: 60.439 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

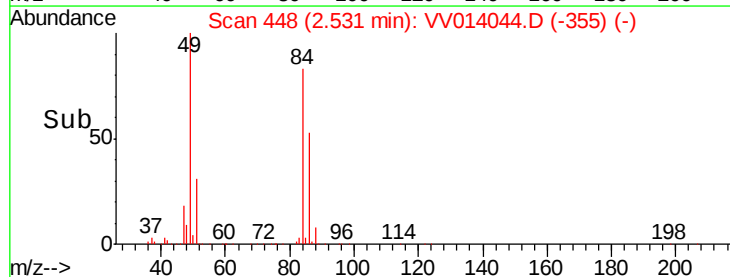
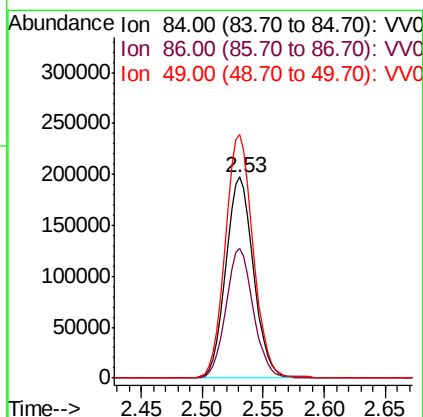
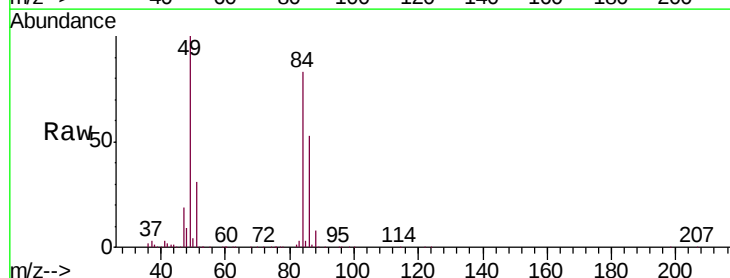
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

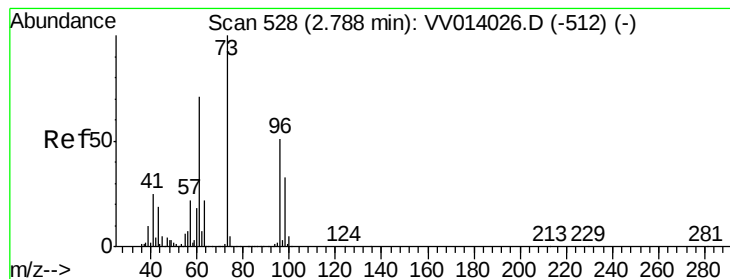
Tgt Ion: 43 Resp: 324053
Ion Ratio Lower Upper
43 100
74 22.9 19.3 28.9



#16
Methylene chloride
Concen: 57.418 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

Tgt Ion: 84 Resp: 316782
Ion Ratio Lower Upper
84 100
86 64.7 43.9 81.5
49 121.1 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 51.832 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

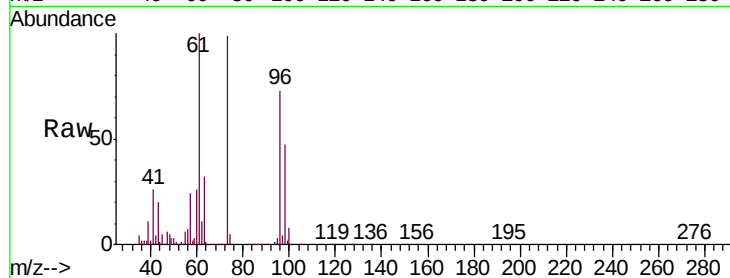
Tgt Ion: 96 Resp: 268602

Ion Ratio Lower Upper

96 100

61 136.8 92.2 171.2

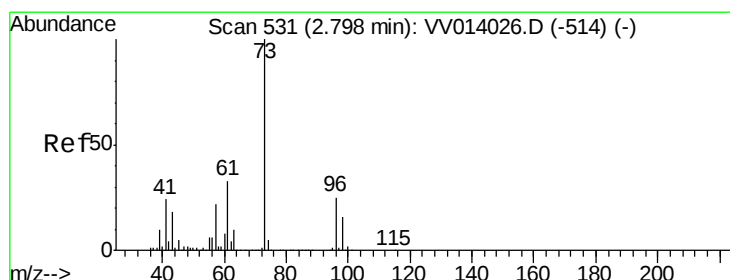
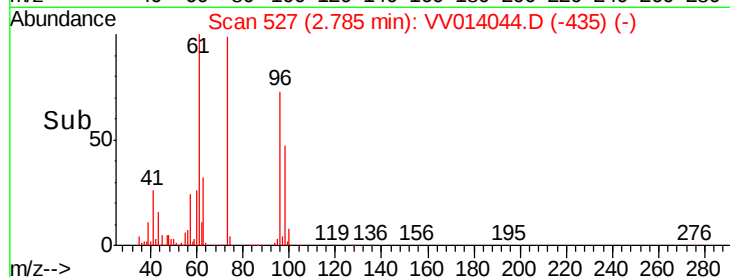
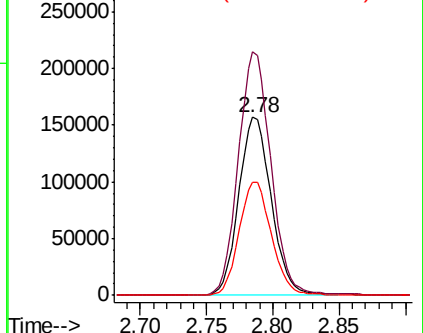
98 63.7 42.6 79.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 57.350 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

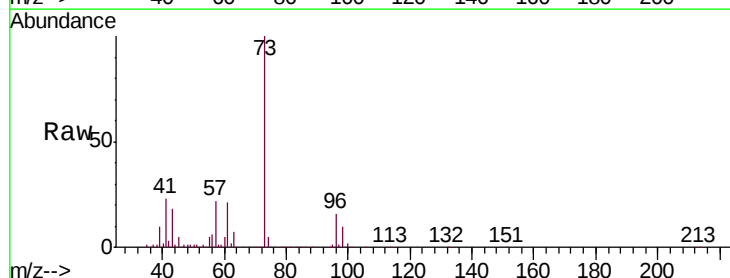
Tgt Ion: 73 Resp: 862468

Ion Ratio Lower Upper

73 100

43 18.4 15.0 22.6

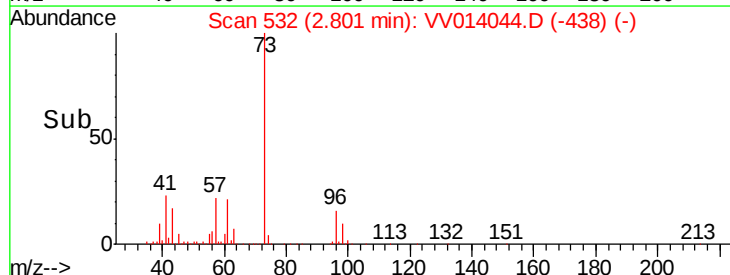
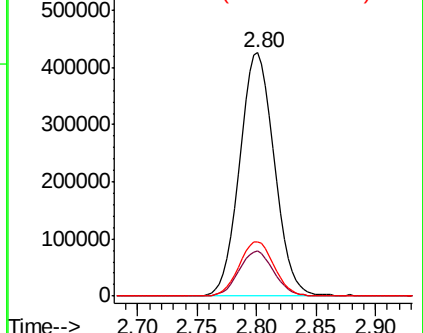
57 22.5 17.4 26.2

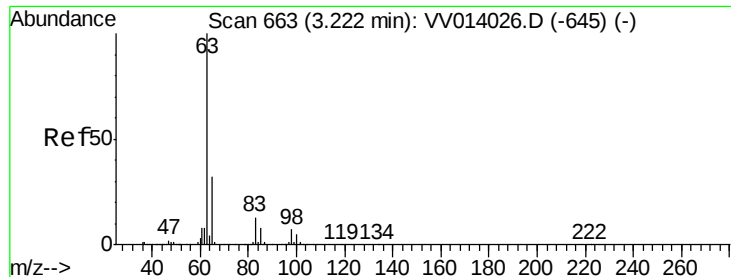


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

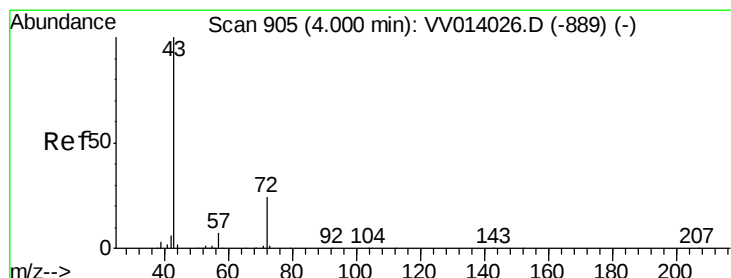
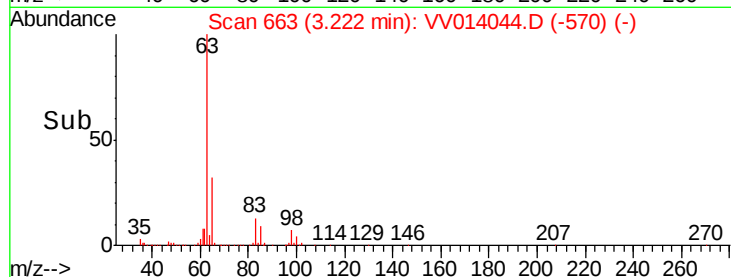
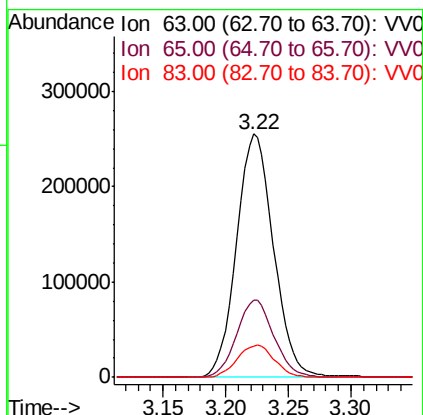
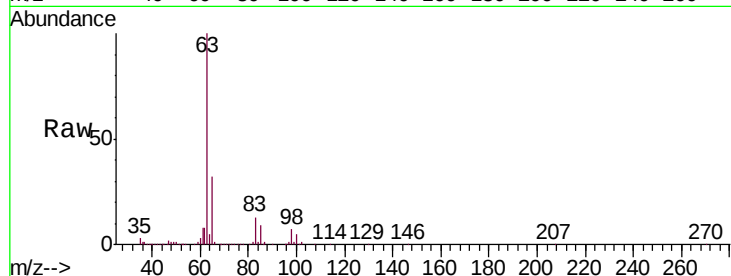




#19
 1,1-Dichloroethane
 Concen: 55.983 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV014044.D
 Acq: 12 Dec 2019 20:19

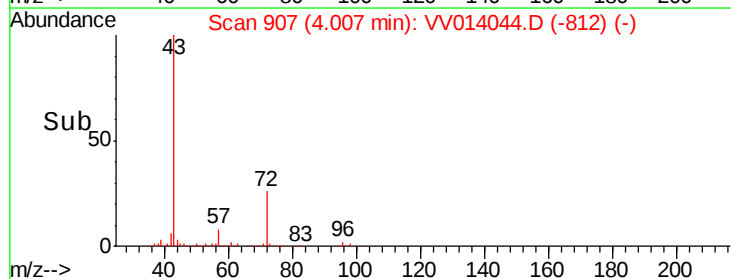
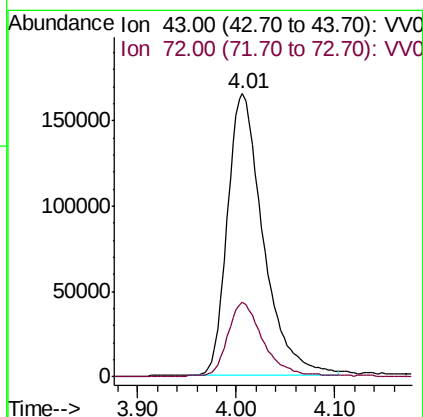
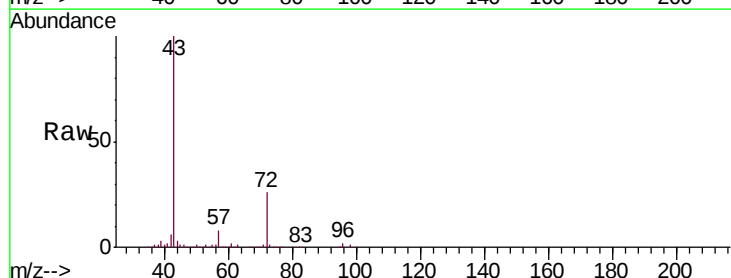
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

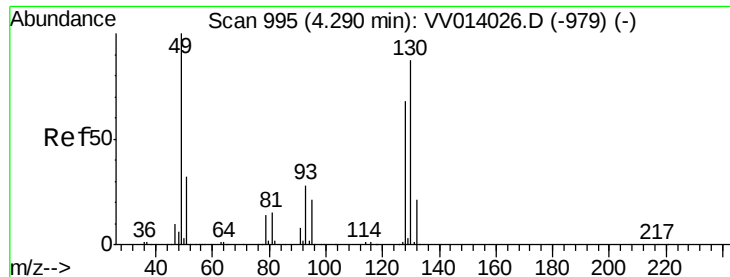
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	21.5	39.9
83	12.9	9.7	18.1



#22
 2-Butanone
 Concen: 99.976 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. 0.01 min
 Lab File: VV014044.D
 Acq: 12 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.3	14.1	42.2





#23

Bromochloromethane

Concen: 51.483 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

Tgt Ion:128 Resp: 159624

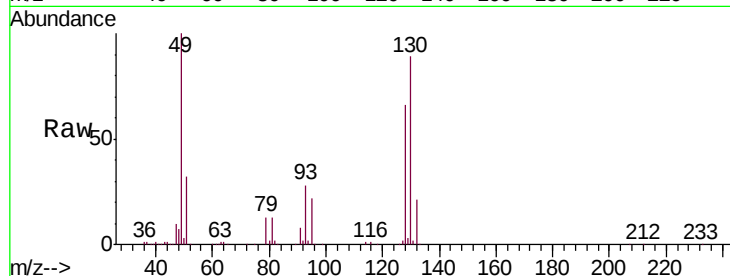
Ion Ratio Lower Upper

128 100

49 150.8 100.4 186.4

130 134.0 88.3 163.9

51 48.3 35.8 53.8

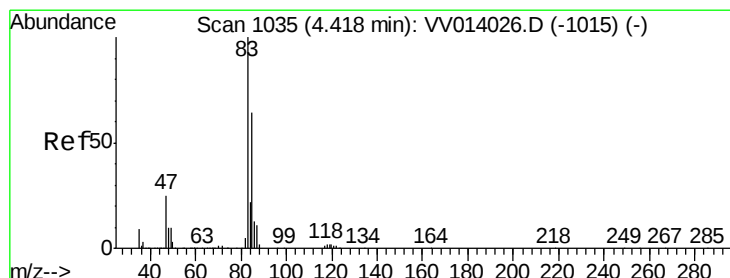
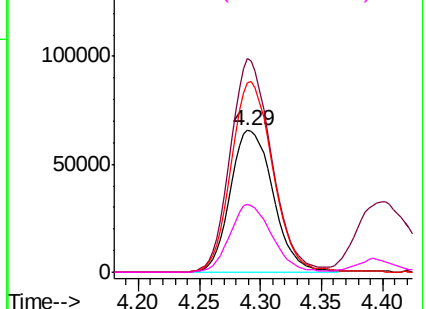
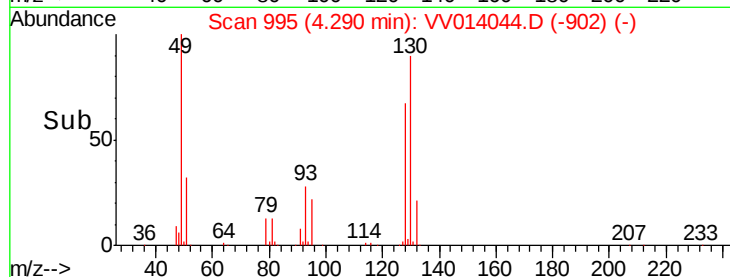


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 50.995 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV014044.D

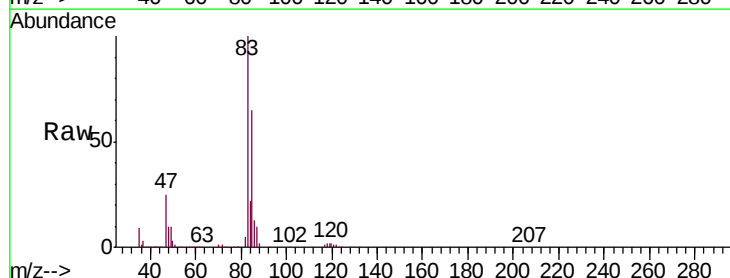
Acq: 12 Dec 2019 20:19

Tgt Ion: 83 Resp: 508992

Ion Ratio Lower Upper

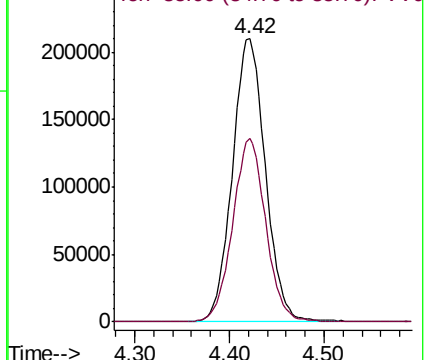
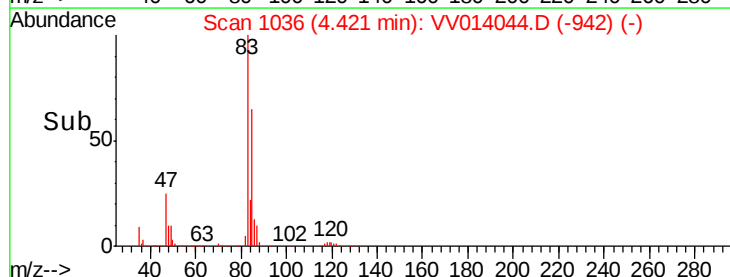
83 100

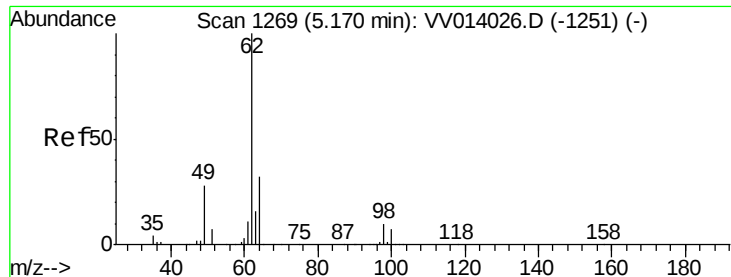
85 64.9 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 52.155 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

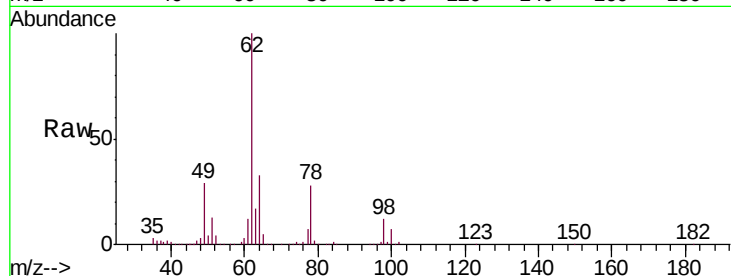
VSTD05080

Tgt Ion: 62 Resp: 375105

Ion Ratio Lower Upper

62 100

98 11.6 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

200000

150000

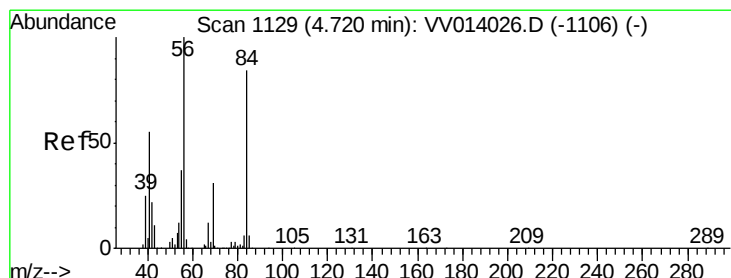
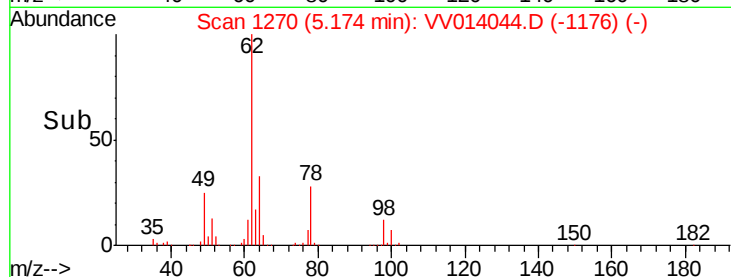
100000

50000

0

5.10 5.20 5.30

Time-->



#29

Cyclohexane

Concen: 48.319 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

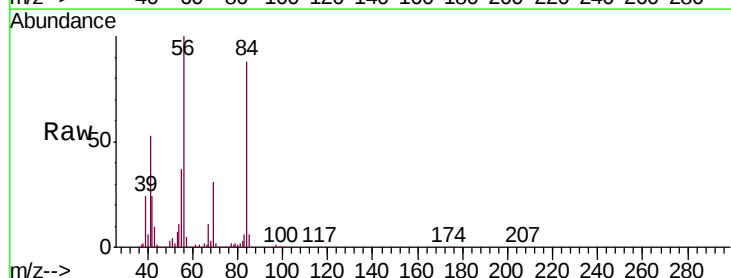
Tgt Ion: 56 Resp: 407062

Ion Ratio Lower Upper

56 100

69 30.7 24.9 37.3

84 87.7 71.0 106.4



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

200000

150000

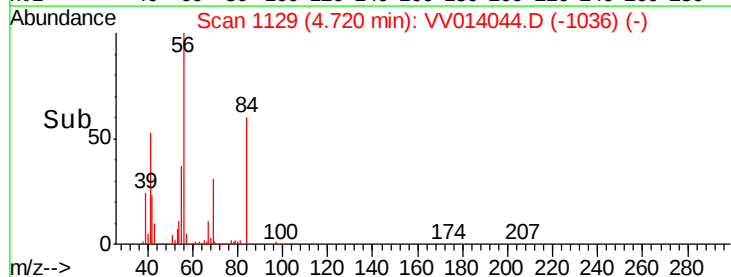
100000

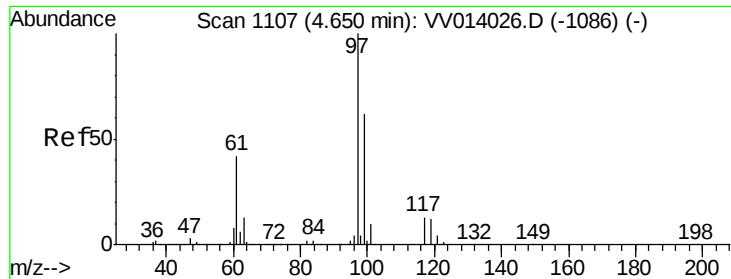
50000

0

4.60 4.70 4.80

Time-->

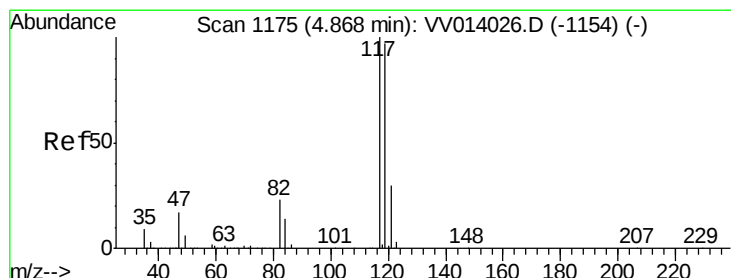
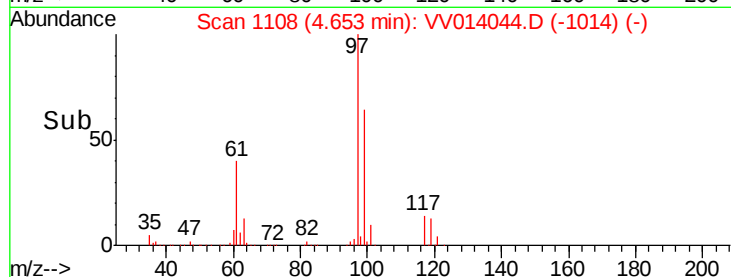
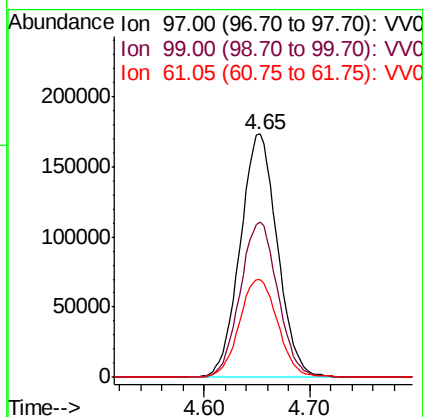
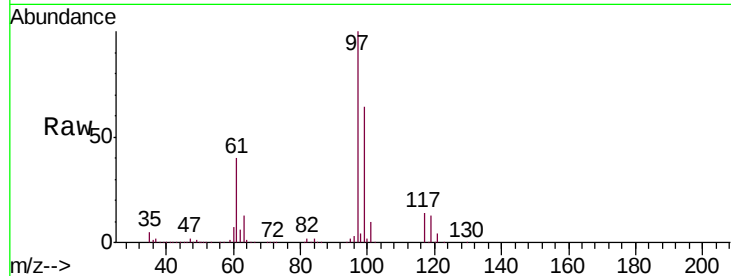




#30
 1,1,1-Trichloroethane
 Concen: 48.843 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV014044.D
 Acq: 12 Dec 2019 20:19

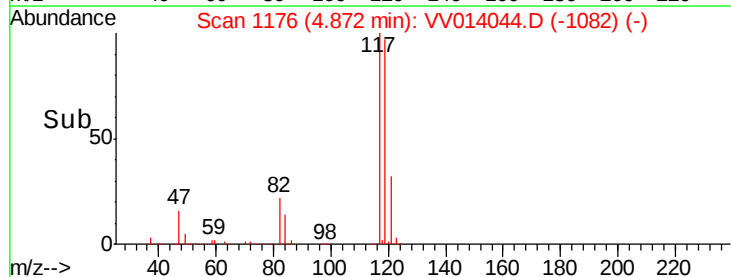
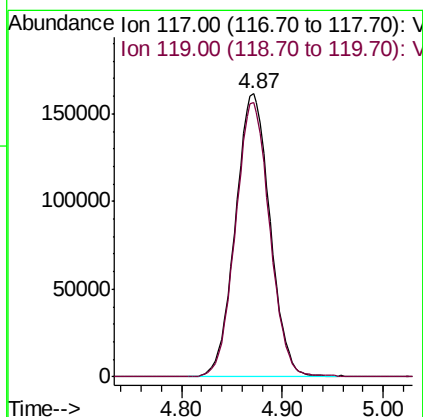
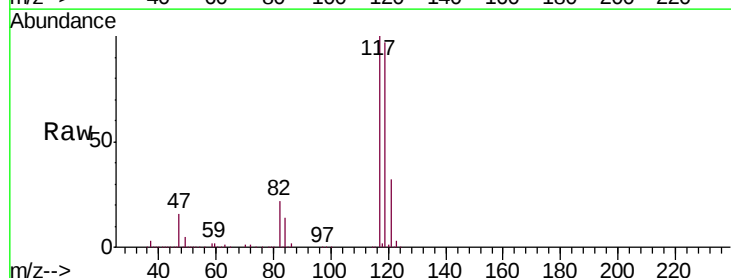
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

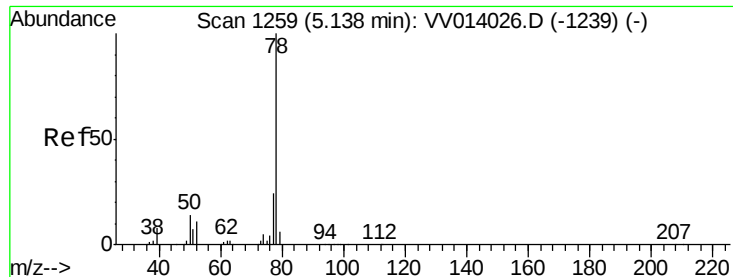
Tgt Ion: 97 Resp: 425174
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.4 77.2
 61 41.8 33.2 49.8



#31
 Carbon tetrachloride
 Concen: 49.292 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VV014044.D
 Acq: 12 Dec 2019 20:19

Tgt Ion: 117 Resp: 383289
 Ion Ratio Lower Upper
 117 100
 119 95.8 77.9 116.9

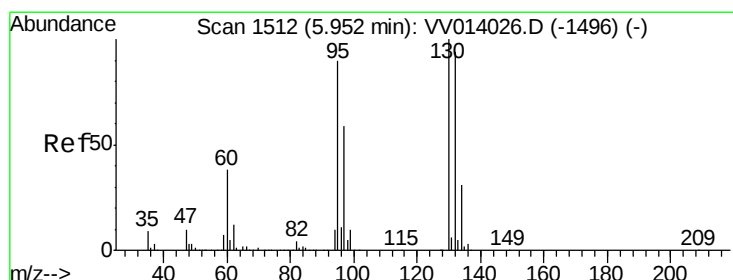
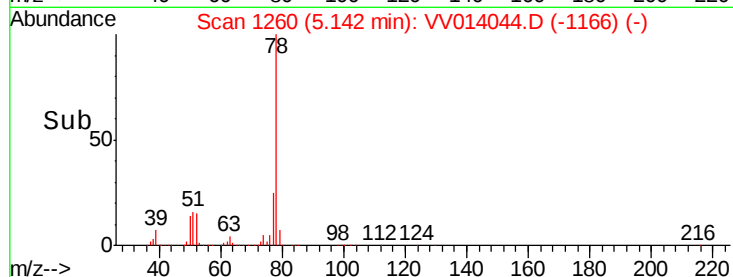
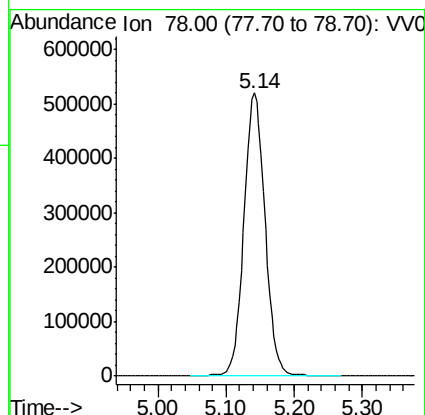
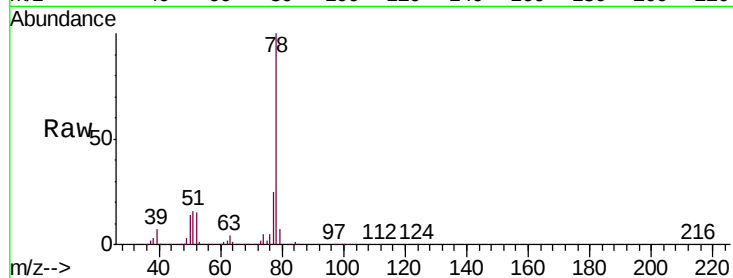




#33
Benzene
Concen: 52.188 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

Tgt Ion: 78 Resp: 1120648

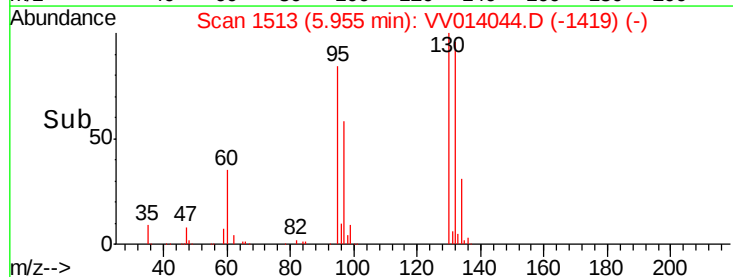
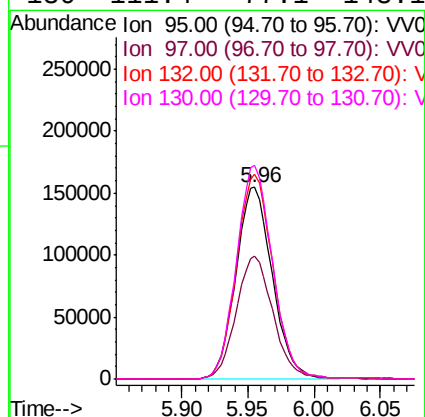
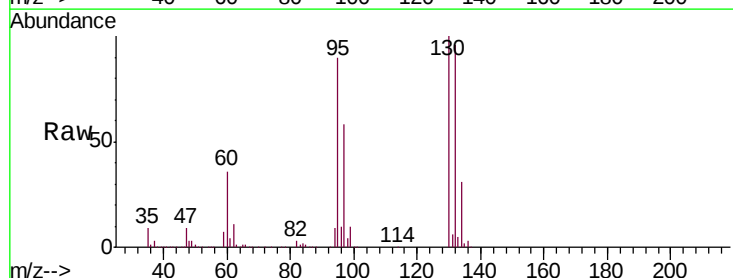
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

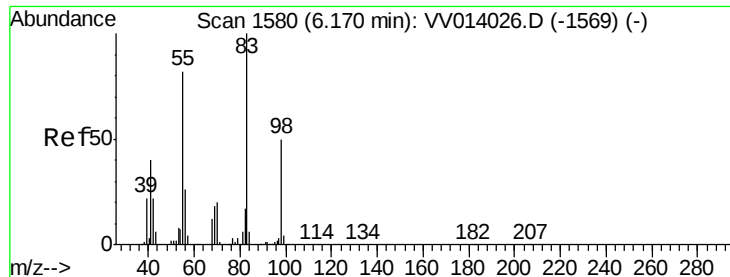


#34
Trichloroethene
Concen: 51.402 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

Tgt Ion: 95 Resp: 296043

Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.4	84.4
132	106.7	73.7	136.9
130	111.4	77.1	143.1

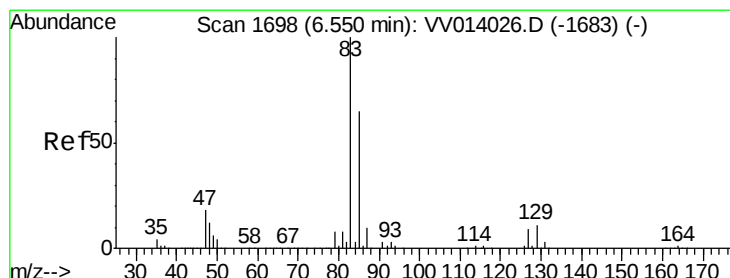
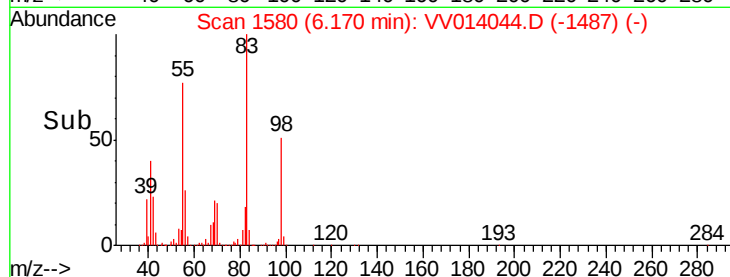
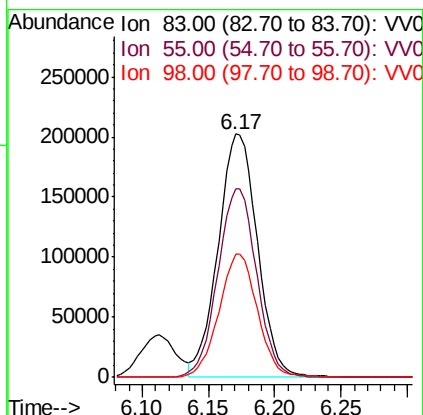
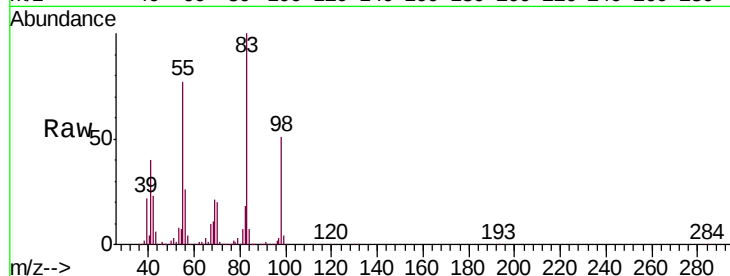




#35
Methylcyclohexane
Concen: 47.990 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

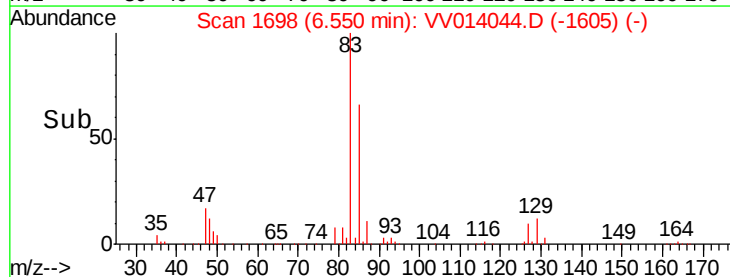
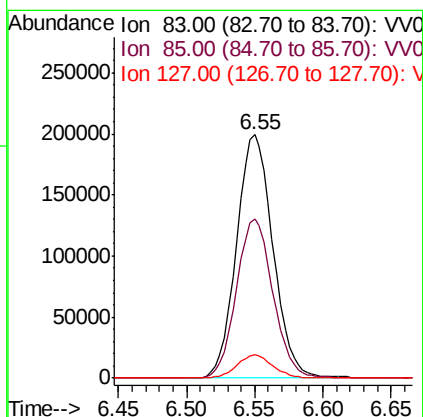
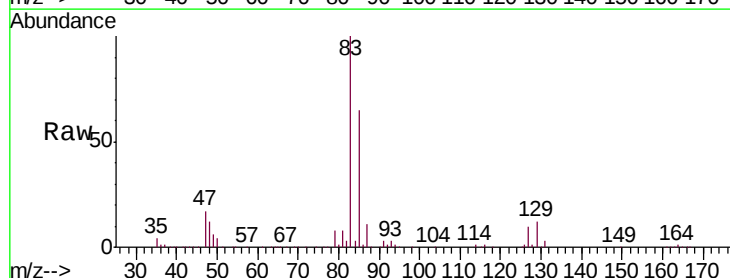
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

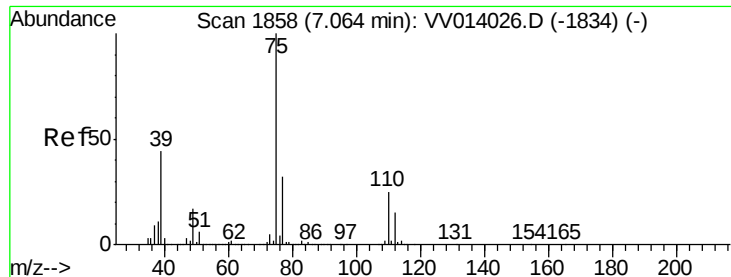
Tgt Ion: 83 Resp: 414701
Ion Ratio Lower Upper
83 100
55 76.7 61.0 91.4
98 50.0 39.6 59.4



#38
Bromodichloromethane
Concen: 50.079 ug/L
RT: 6.55 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

Tgt Ion: 83 Resp: 369107
Ion Ratio Lower Upper
83 100
85 65.4 44.8 83.2
127 9.6 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 50.837 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampled :

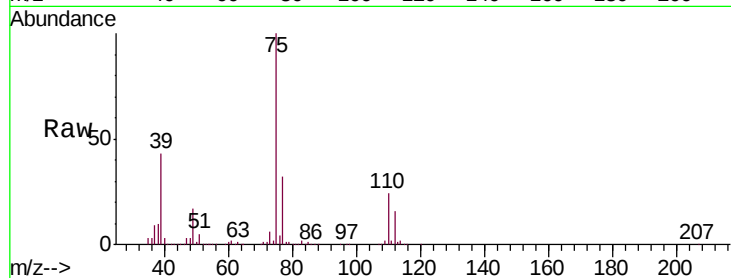
VSTD05080

Tgt Ion: 75 Resp: 415936

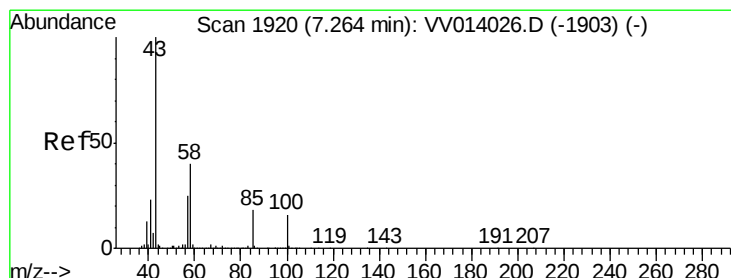
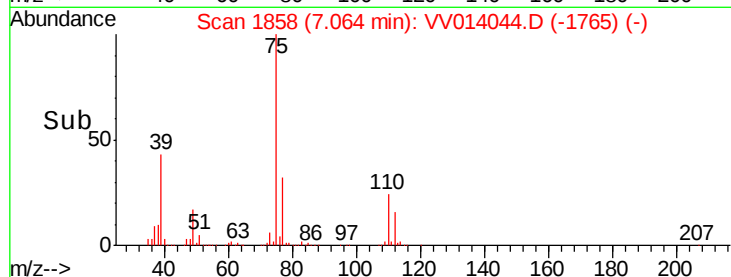
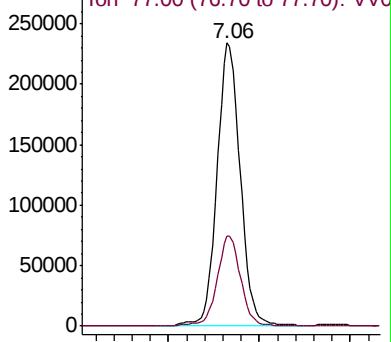
Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV014044.D (-1765) (-)



#40

4-Methyl-2-pentanone

Concen: 110.780 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

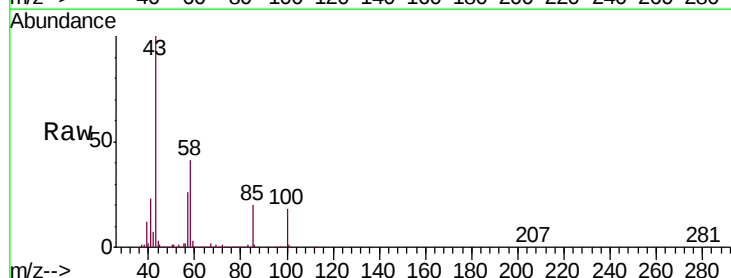
Tgt Ion: 43 Resp: 748669

Ion Ratio Lower Upper

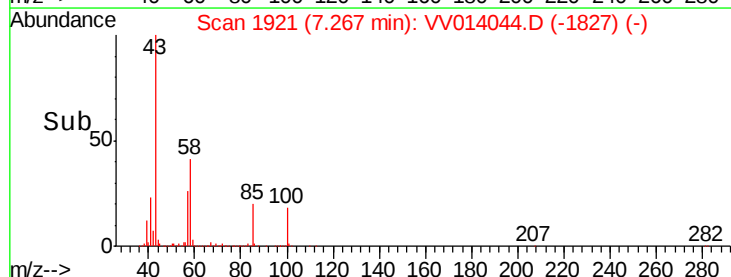
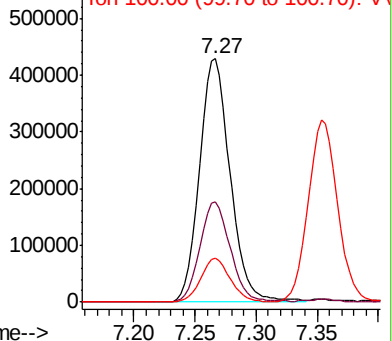
43 100

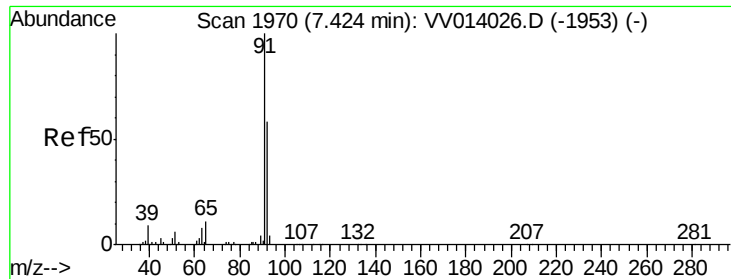
58 40.9 31.9 47.9

100 17.2 13.7 20.5



Abundance Ion 43.00 (42.70 to 43.70): VV014044.D (-1827) (-)





#42

Toluene

Concen: 54.036 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

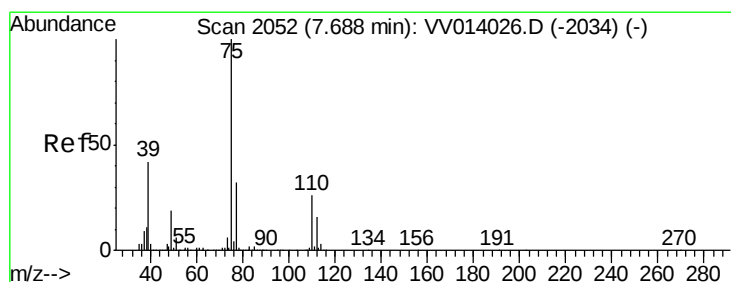
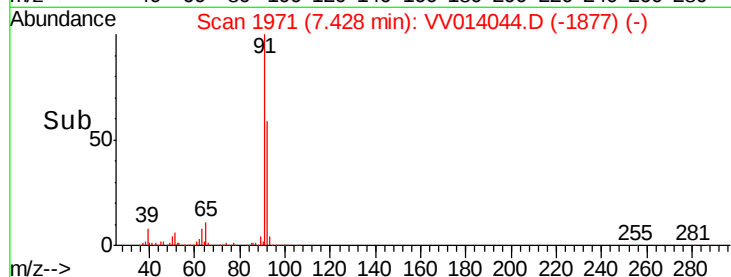
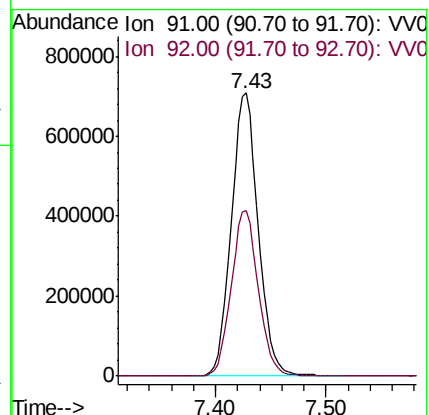
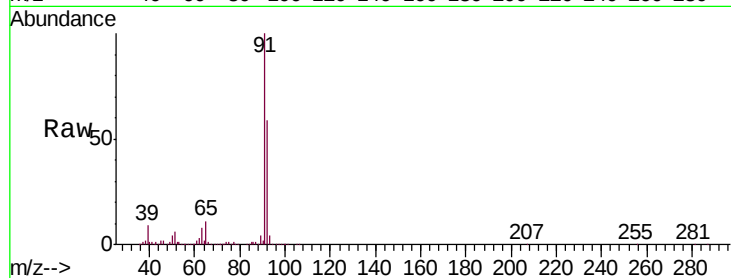
VSTD05080

Tgt Ion: 91 Resp: 1197210

Ion Ratio Lower Upper

91 100

92 58.5 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 48.830 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014044.D

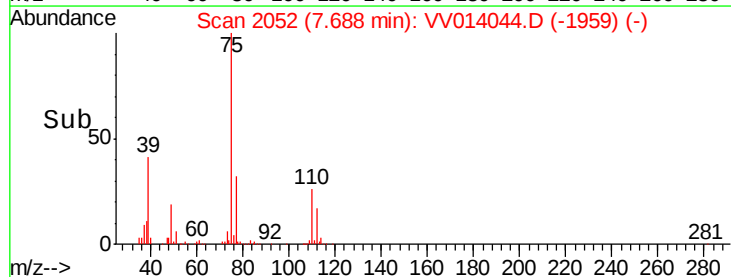
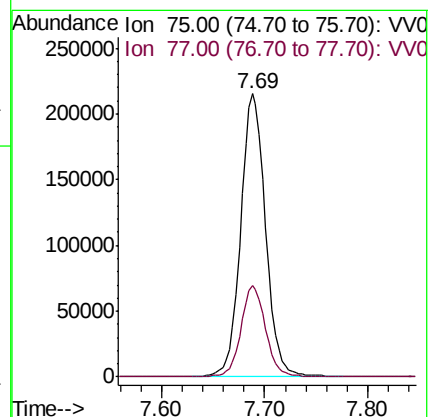
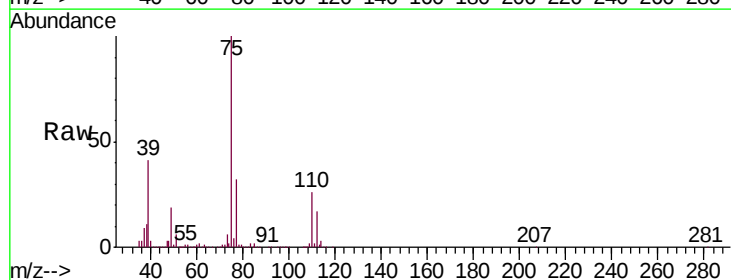
Acq: 12 Dec 2019 20:19

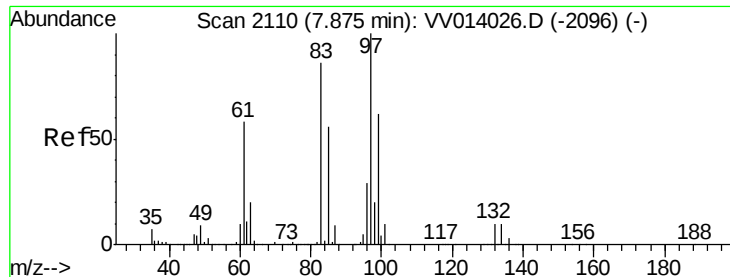
Tgt Ion: 75 Resp: 361778

Ion Ratio Lower Upper

75 100

77 32.3 22.9 42.5

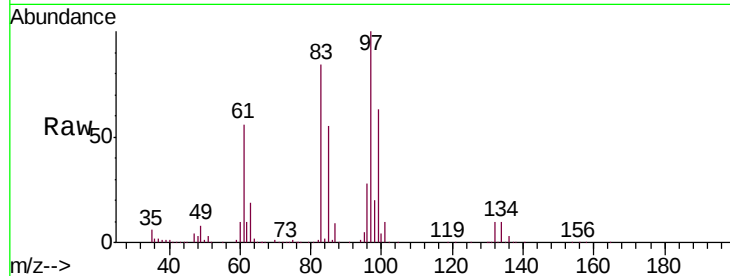




#45
1,1,2-Trichloroethane
Concen: 55.138 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

Instrument :
MSVOA_V
ClientSampled :
VSTD05080

Tgt Ion:	97	Resp:	284442
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.0	80.0
83	83.6	57.5	106.9
85	54.5	35.6	66.2



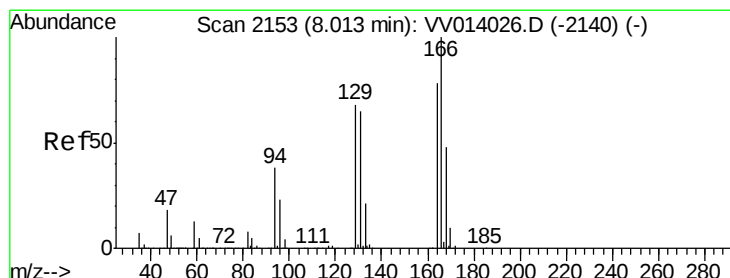
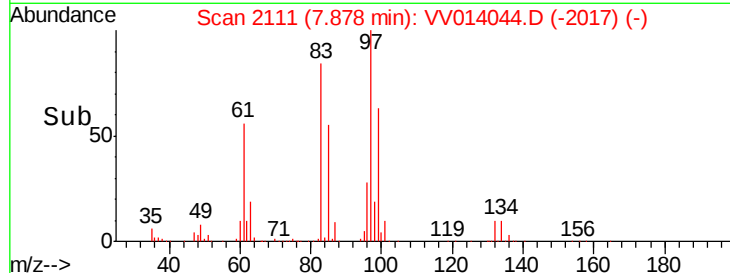
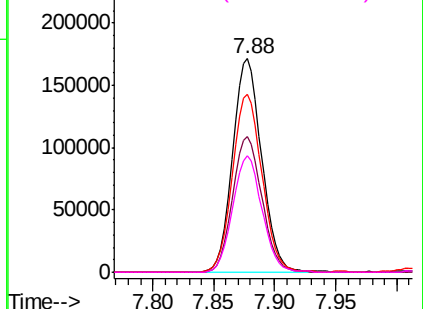
Abundance

Ion 97.00 (96.70 to 97.70): VV014044.D (-2096) (-)

Ion 99.00 (98.70 to 99.70): VV014044.D (-2096) (-)

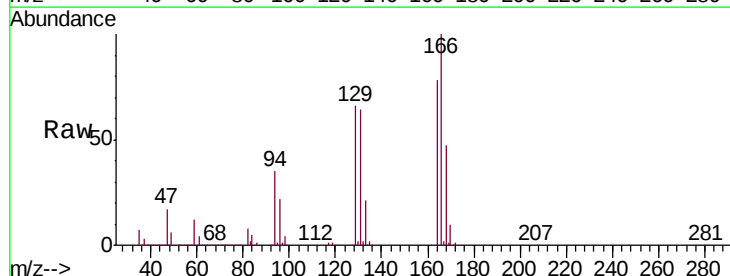
Ion 83.00 (82.70 to 83.70): VV014044.D (-2096) (-)

Ion 85.00 (84.70 to 85.70): VV014044.D (-2096) (-)



#46
Tetrachloroethene
Concen: 48.592 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

Tgt Ion:	164	Resp:	252534
Ion	Ratio	Lower	Upper
164	100		
129	84.1	61.7	114.7
131	81.6	58.4	108.6
166	127.5	93.4	173.6



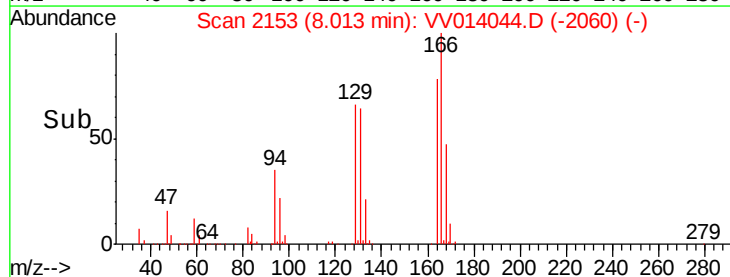
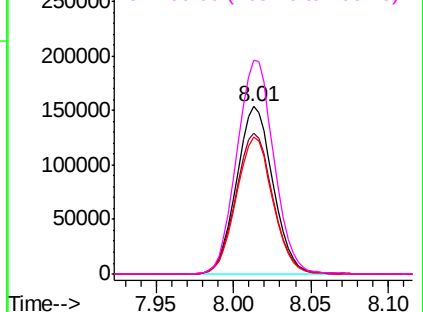
Abundance

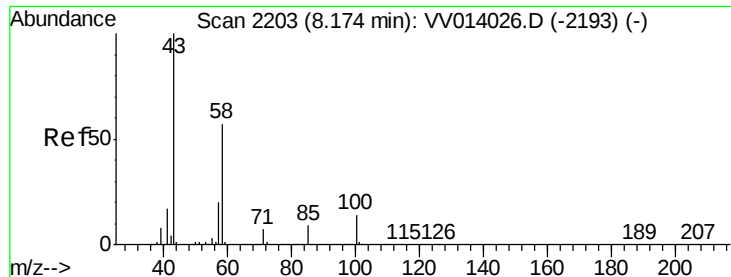
Ion 164.00 (163.70 to 164.70): VV014044.D (-2140) (-)

Ion 129.00 (128.70 to 129.70): VV014044.D (-2140) (-)

Ion 131.00 (130.70 to 131.70): VV014044.D (-2140) (-)

Ion 166.00 (165.70 to 166.70): VV014044.D (-2140) (-)

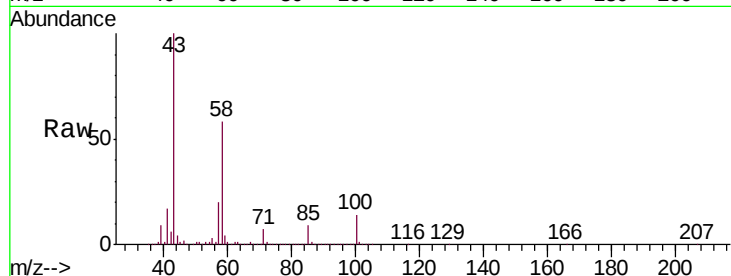




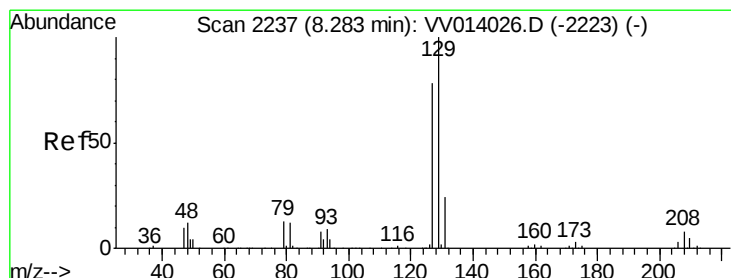
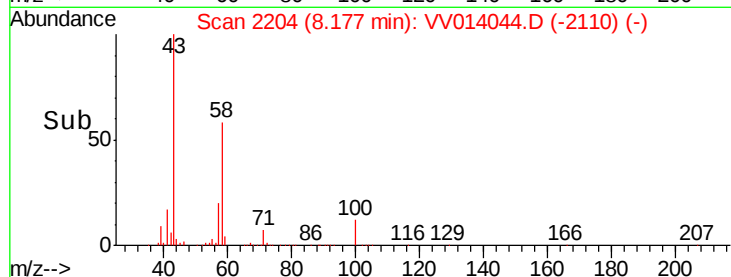
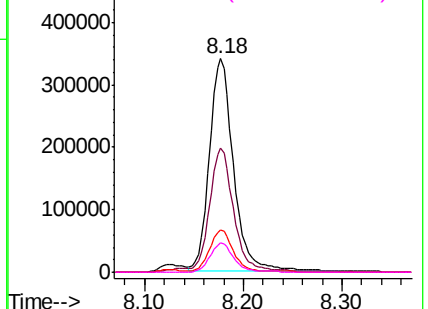
#48
2-Hexanone
Concen: 107.463 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tgt Ion: 43 Resp: 580961
Ion Ratio Lower Upper
43 100
58 57.4 48.4 72.6
57 19.4 16.6 24.8
100 13.4 11.9 17.9

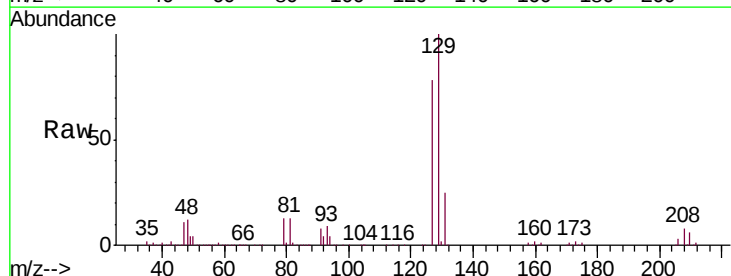


Abundance Ion 43.00 (42.70 to 43.70): VV014026.D (-2193) (-)
Ion 58.00 (57.70 to 58.70): VV014026.D (-2193) (-)
Ion 57.00 (56.70 to 57.70): VV014026.D (-2193) (-)
Ion 100.00 (99.70 to 100.70): VV014026.D (-2193) (-)

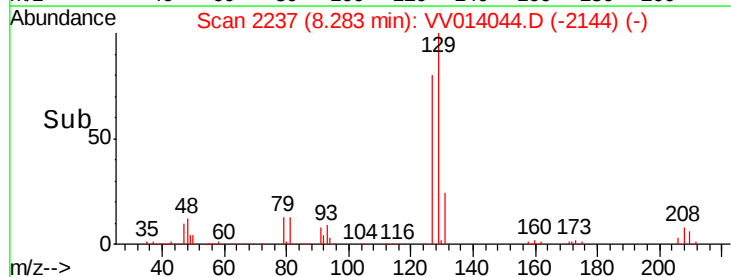
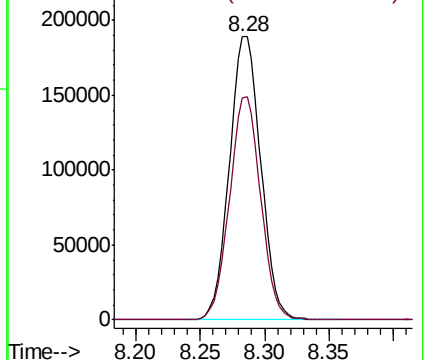


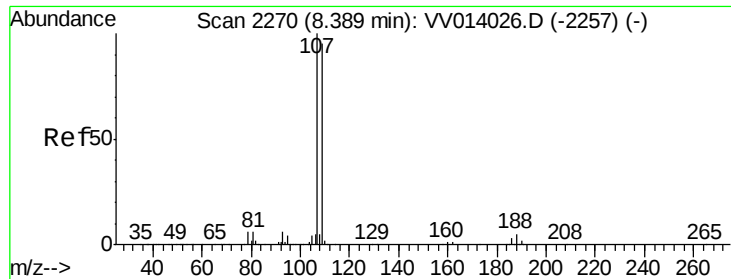
#49
Dibromochloromethane
Concen: 50.843 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

Tgt Ion: 129 Resp: 320616
Ion Ratio Lower Upper
129 100
127 78.4 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV014026.D (-2223) (-)
Ion 127.00 (126.70 to 127.70): VV014026.D (-2223) (-)

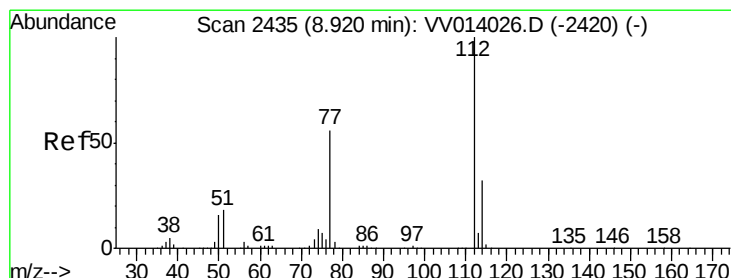
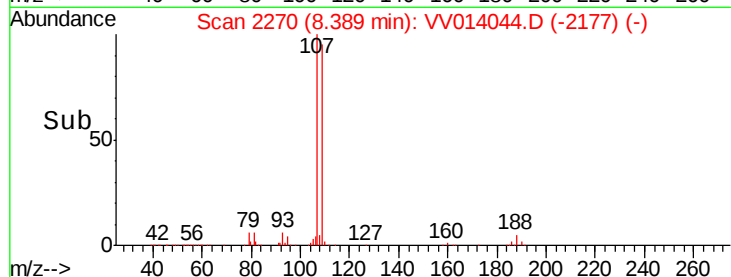
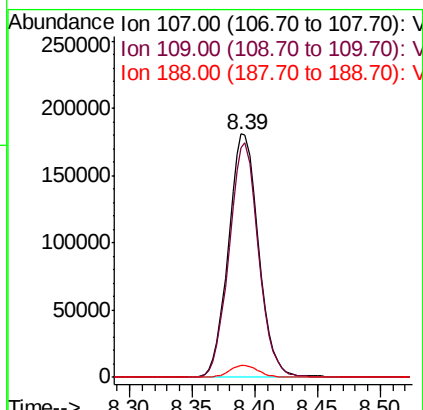
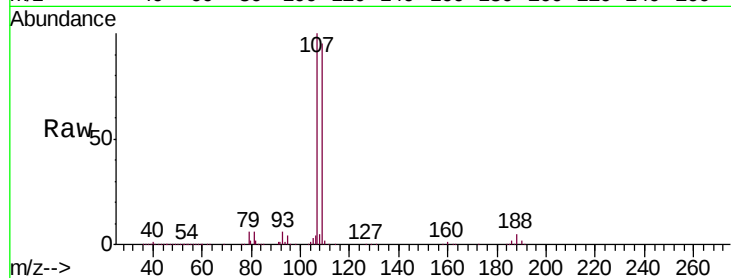




#50
1,2-Dibromoethane
Concen: 53.125 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

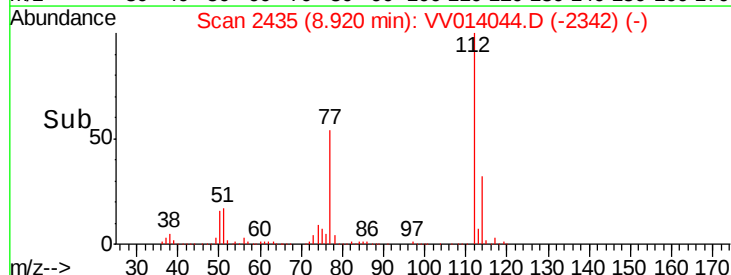
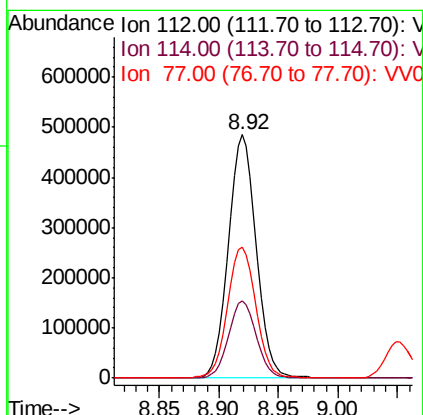
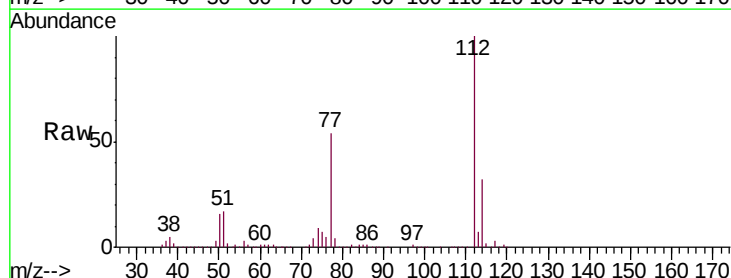
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

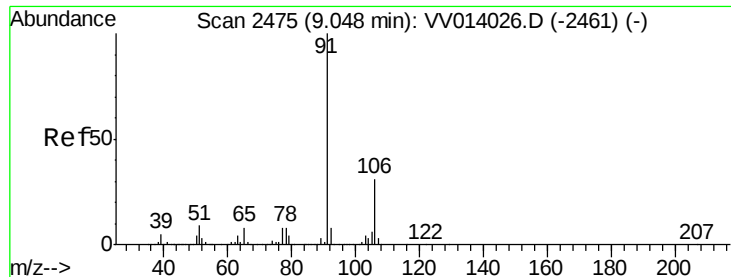
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.9	122.5
188	4.7	3.6	5.4



#51
Chlorobenzene
Concen: 51.540 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014044.D
Acq: 12 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	23.2	43.2
77	53.9	45.0	67.4





#52

Ethylbenzene

Concen: 52.403 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

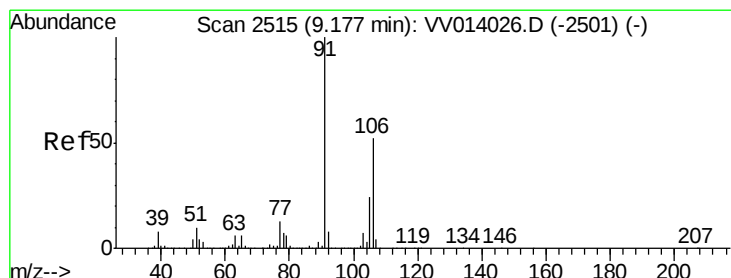
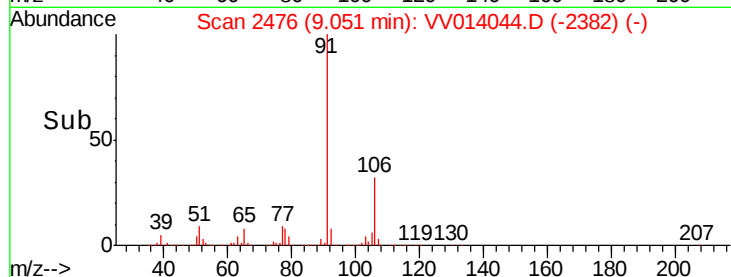
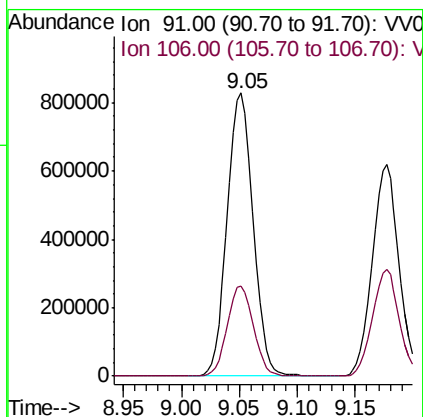
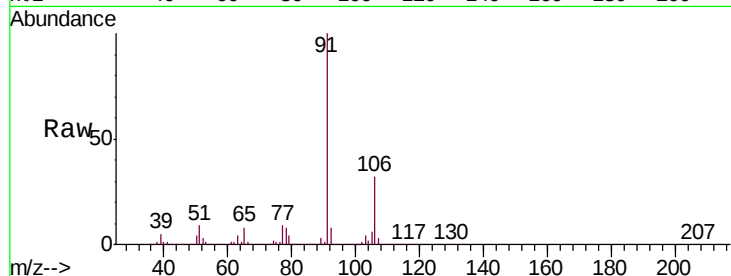
VSTD05080

Tgt Ion: 91 Resp: 1279931

Ion Ratio Lower Upper

91 100

106 32.0 21.8 40.4



#53

m,p-Xylene

Concen: 53.185 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014044.D

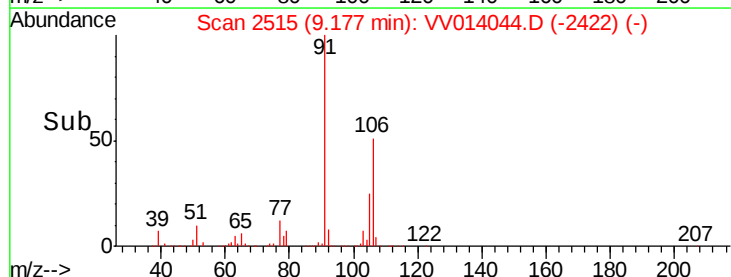
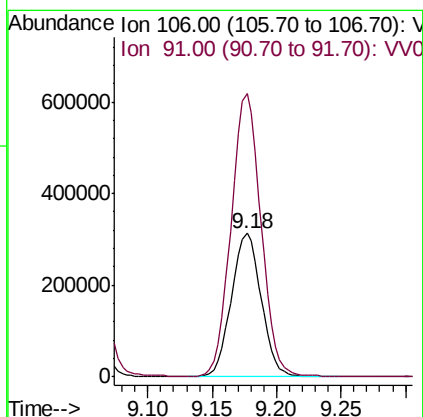
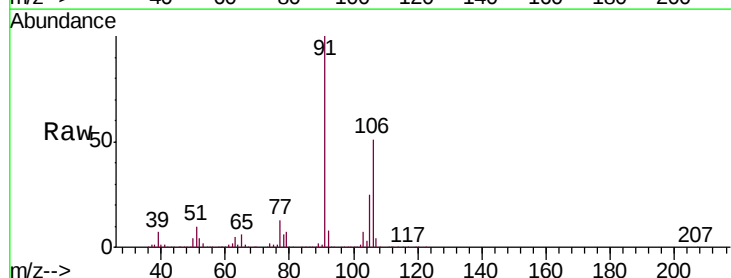
Acq: 12 Dec 2019 20:19

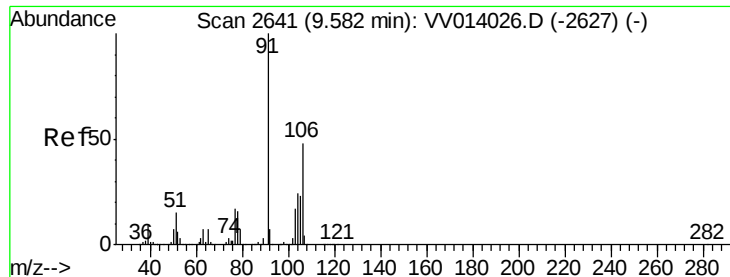
Tgt Ion: 106 Resp: 502338

Ion Ratio Lower Upper

106 100

91 196.9 139.4 259.0





#54

o-xylene

Concen: 54.114 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

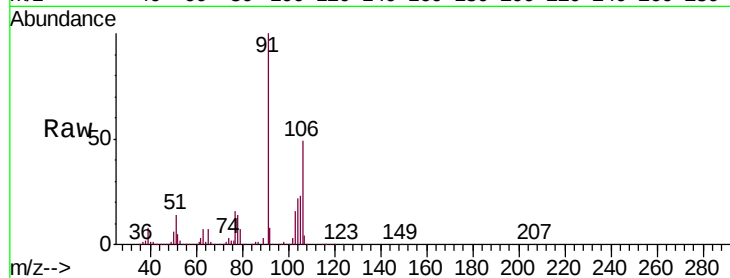
VSTD05080

Tgt Ion:106 Resp: 499737

Ion Ratio Lower Upper

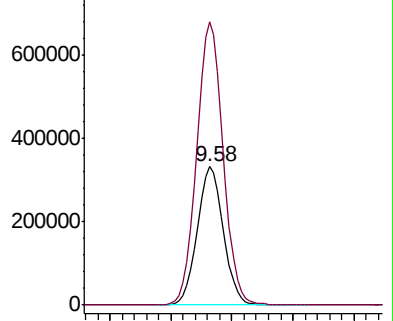
106 100

91 204.9 147.1 273.1

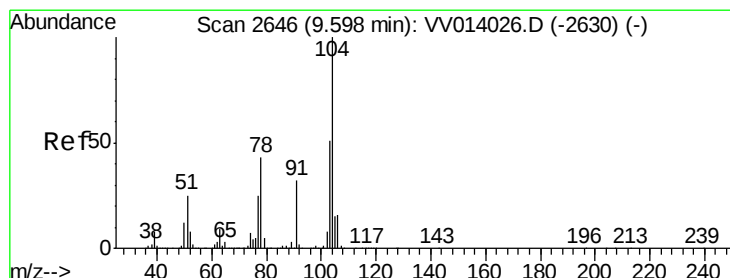
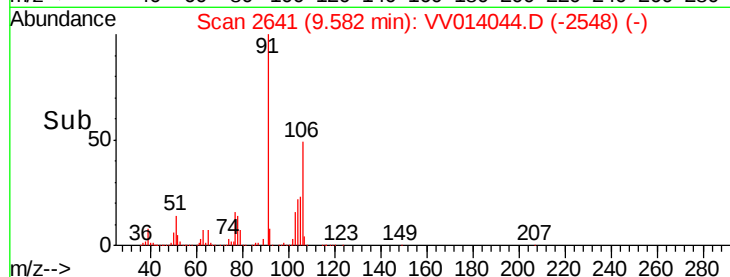


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 53.689 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014044.D

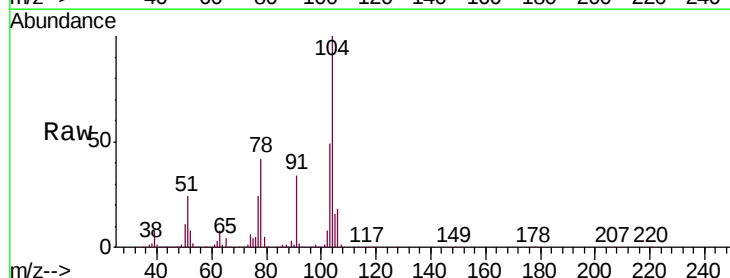
Acq: 12 Dec 2019 20:19

Tgt Ion:104 Resp: 855441

Ion Ratio Lower Upper

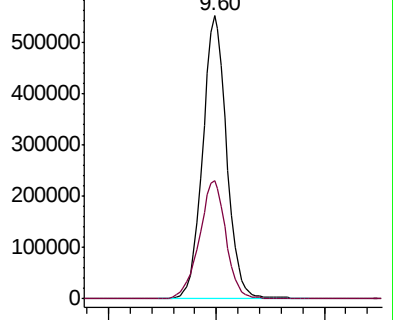
104 100

78 41.8 29.3 54.5

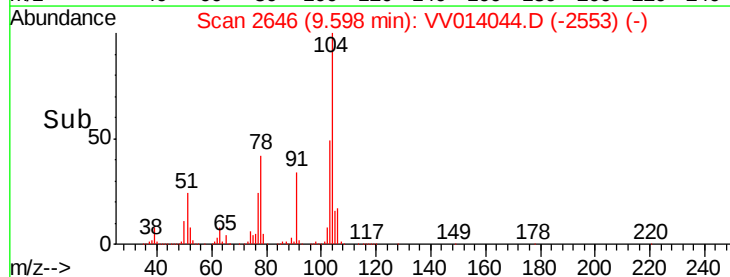


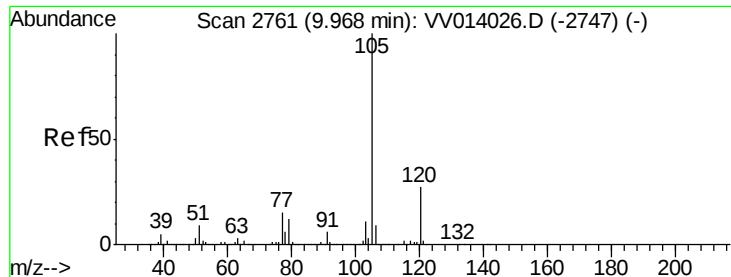
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 52.166 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

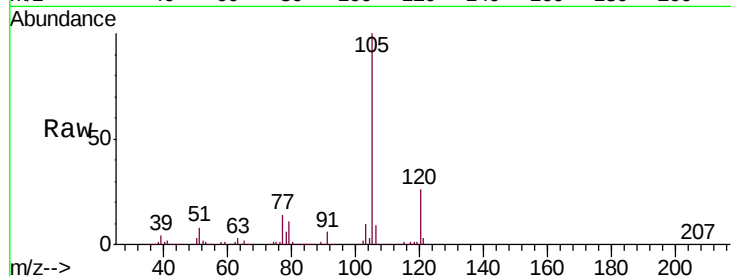
Tgt Ion: 105 Resp: 1294916

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.2

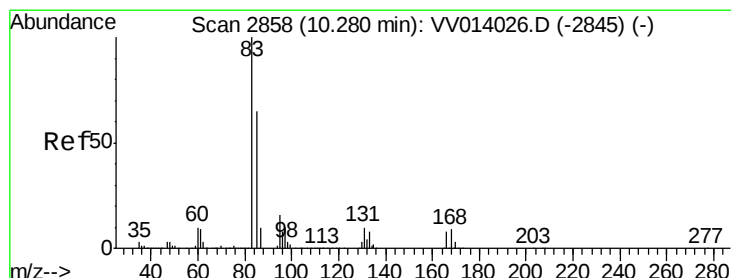
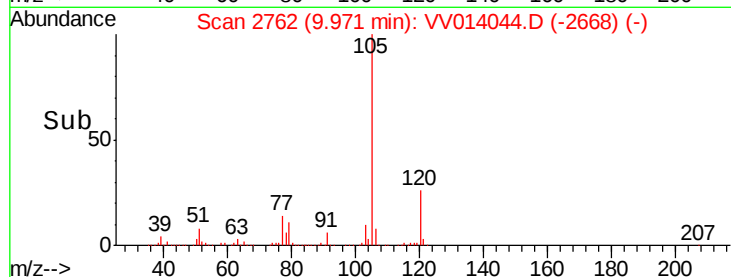
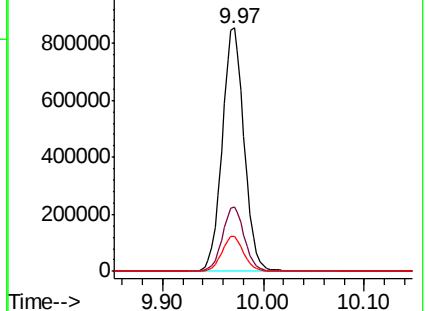
77 14.3 12.0 18.0



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



#58

1,1,2,2-Tetrachloroethane

Concen: 49.339 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

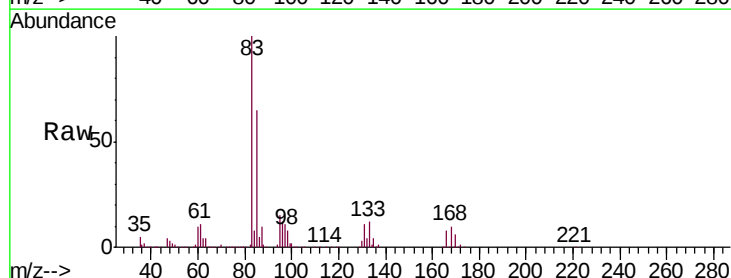
Tgt Ion: 83 Resp: 414358

Ion Ratio Lower Upper

83 100

85 64.8 44.1 81.9

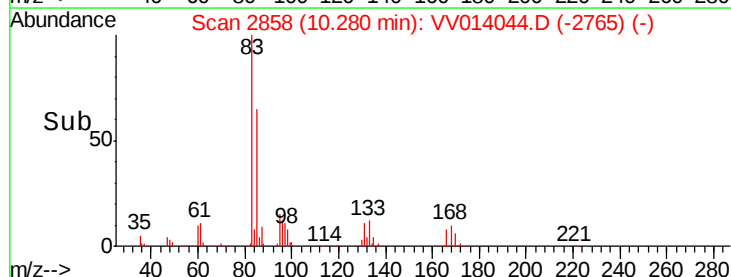
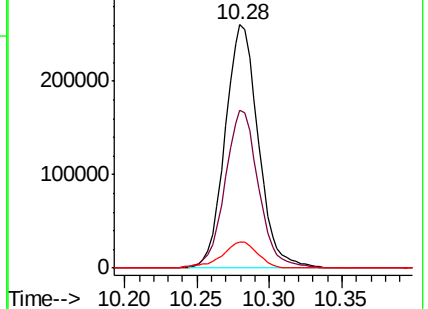
131 10.8 8.8 13.2

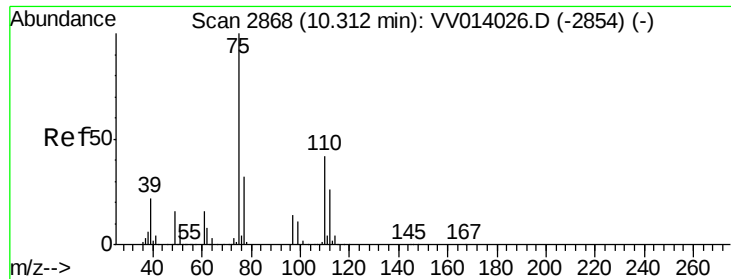


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.630 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

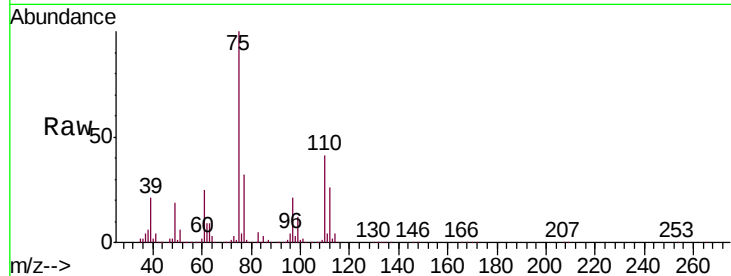
VSTD05080

Tgt Ion: 75 Resp: 363117

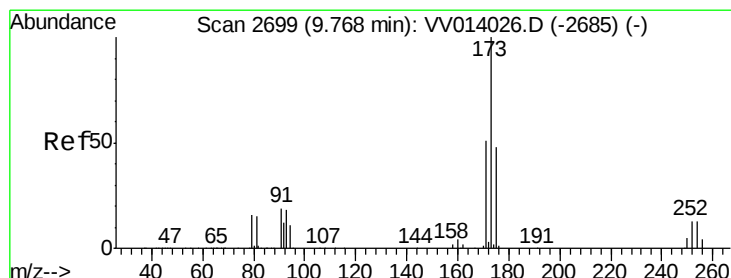
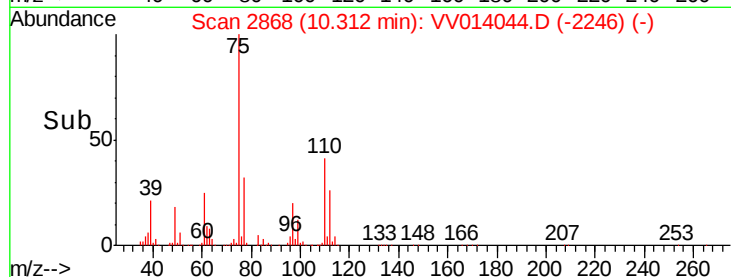
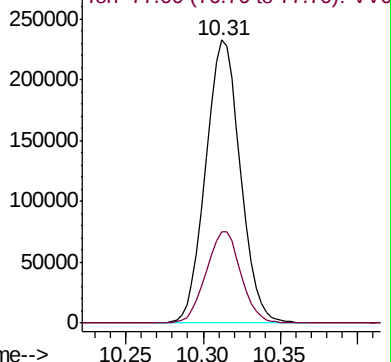
Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV014026.D (-2854) (-)



#61

Bromoform

Concen: 54.386 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

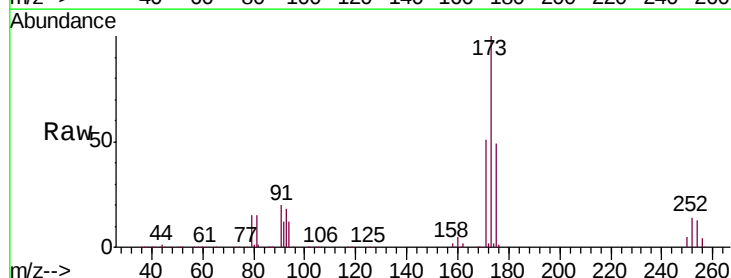
Tgt Ion: 173 Resp: 249801

Ion Ratio Lower Upper

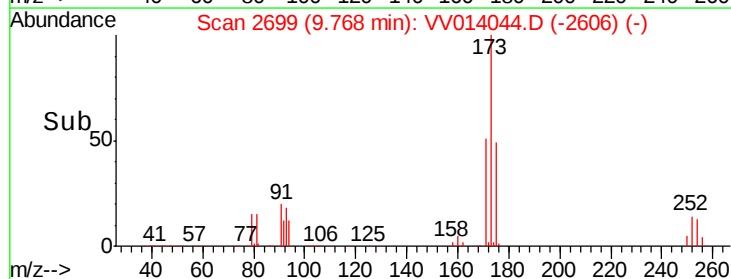
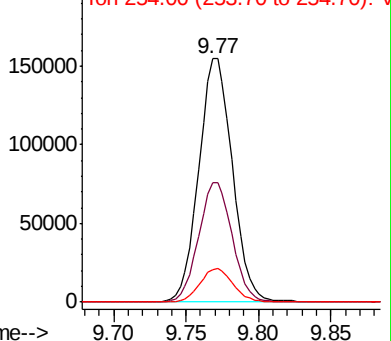
173 100

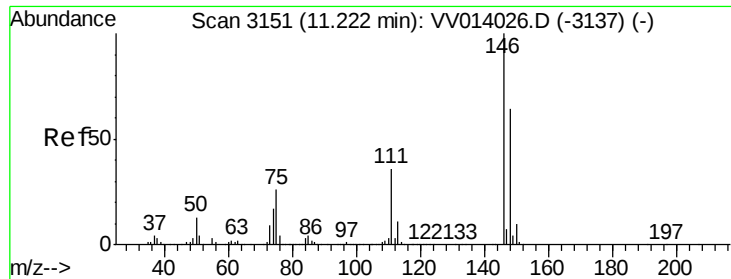
175 49.0 38.4 57.6

254 13.5 10.5 15.7



Abundance Ion 173.00 (172.70 to 173.70): VV014026.D (-2685) (-)





#62

1,3-Dichlorobenzene

Concen: 51.222 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

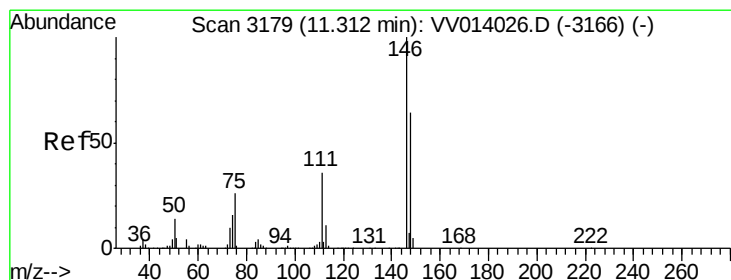
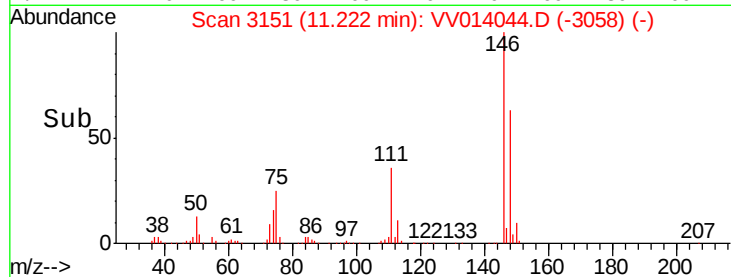
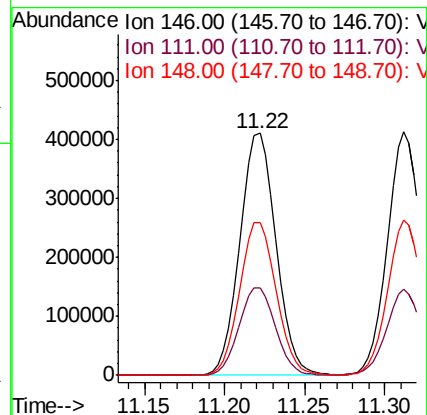
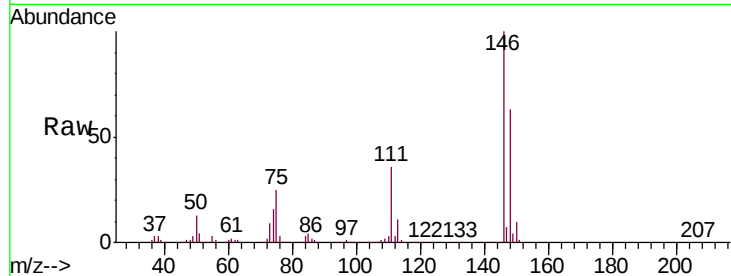
Tgt Ion:146 Resp: 631073

Ion Ratio Lower Upper

146 100

111 36.2 25.8 48.0

148 63.3 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 48.973 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

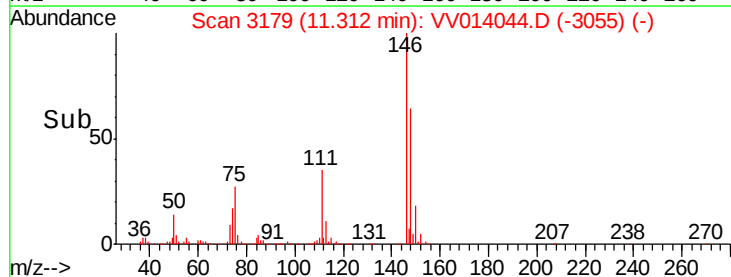
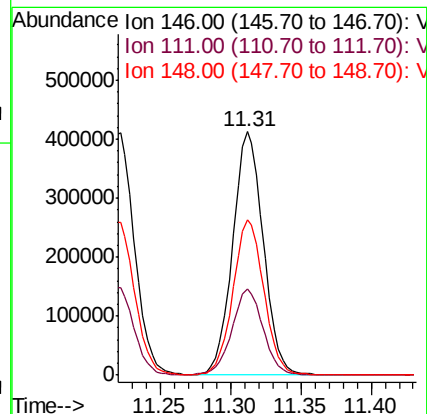
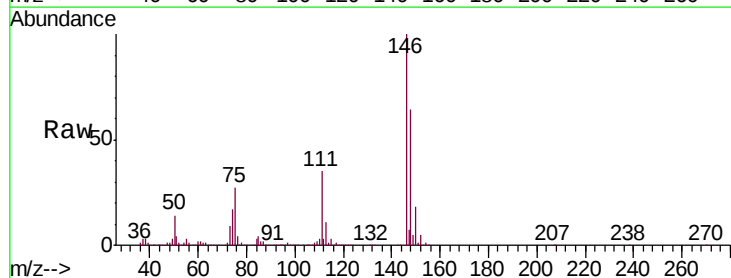
Tgt Ion:146 Resp: 623770

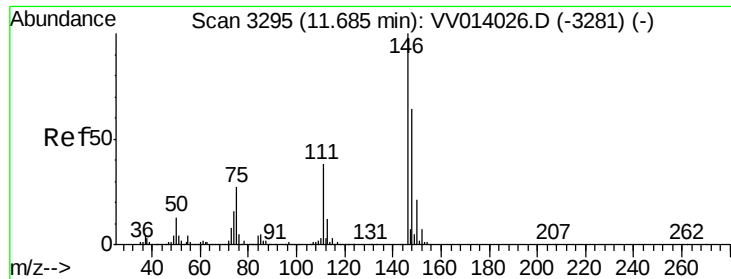
Ion Ratio Lower Upper

146 100

111 35.3 25.4 47.2

148 63.6 44.9 83.5

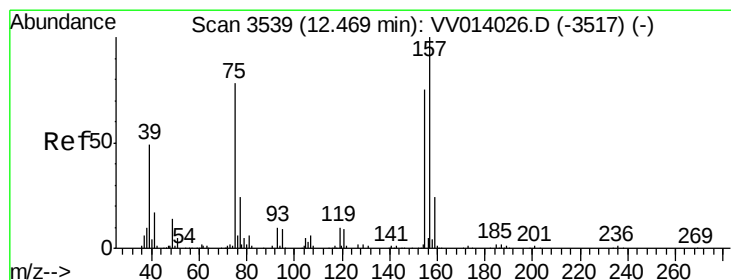
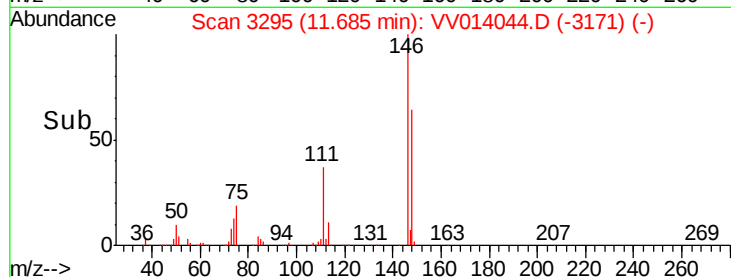
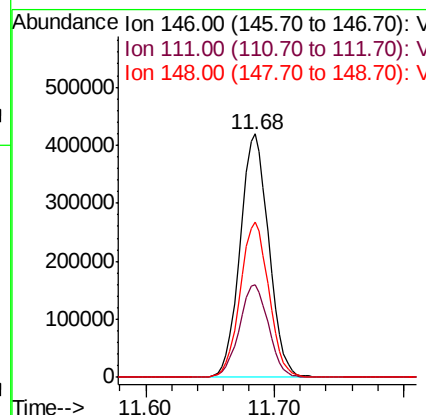
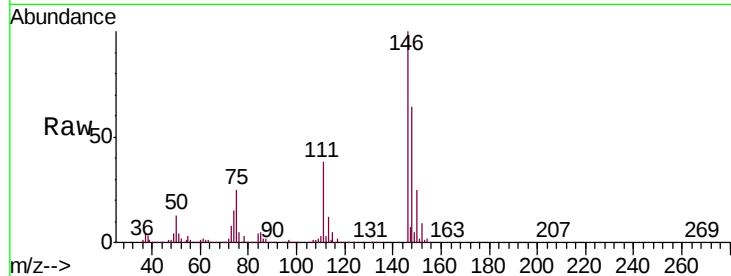




#65
 1,2-Dichlorobenzene
 Concen: 52.502 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014044.D
 Acq: 12 Dec 2019 20:19

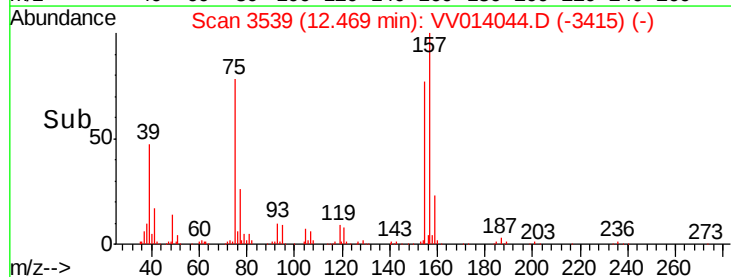
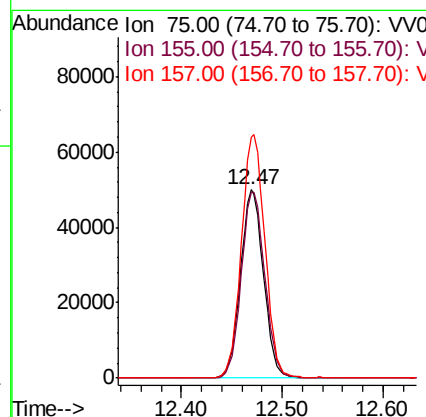
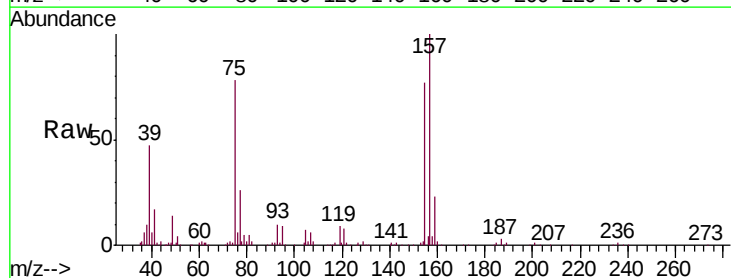
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

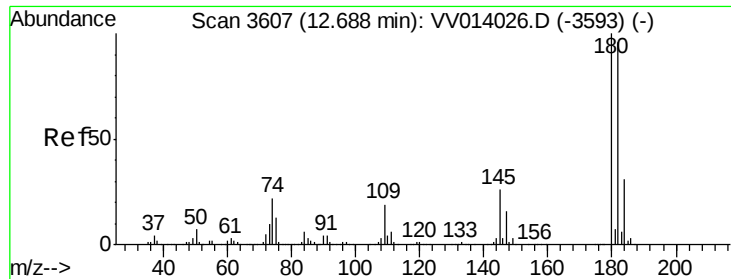
Tgt Ion: 146 Resp: 647038
 Ion Ratio Lower Upper
 146 100
 111 38.2 31.4 47.0
 148 64.0 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.424 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014044.D
 Acq: 12 Dec 2019 20:19

Tgt Ion: 75 Resp: 79512
 Ion Ratio Lower Upper
 75 100
 155 98.6 78.6 117.8
 157 127.8 102.6 153.8

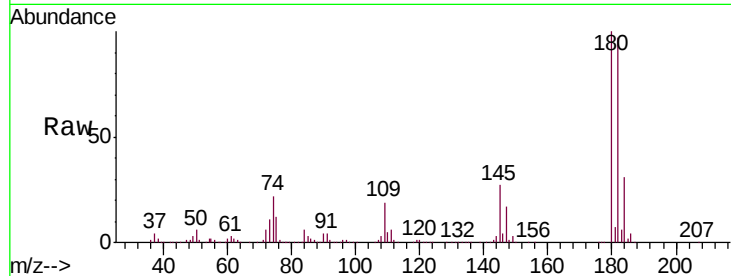




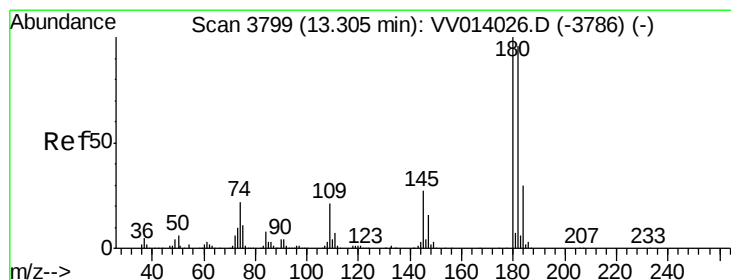
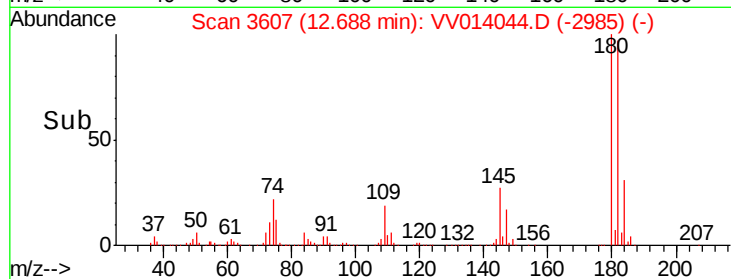
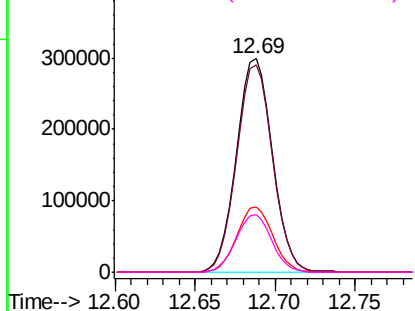
#67
 1,3,5-Trichlorobenzene
 Concen: 45.686 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014044.D
 Acq: 12 Dec 2019 20:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tgt Ion:	180	Resp:	457091
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.4
184	30.5	24.2	36.4
145	26.9	21.1	31.7

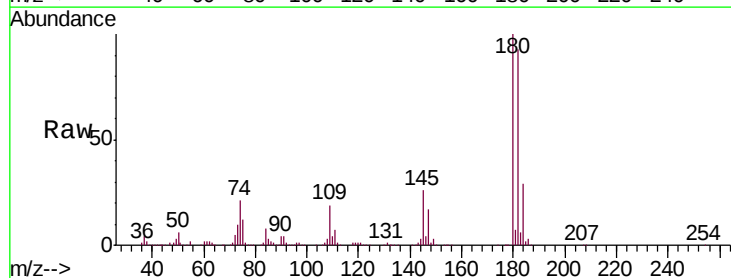


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

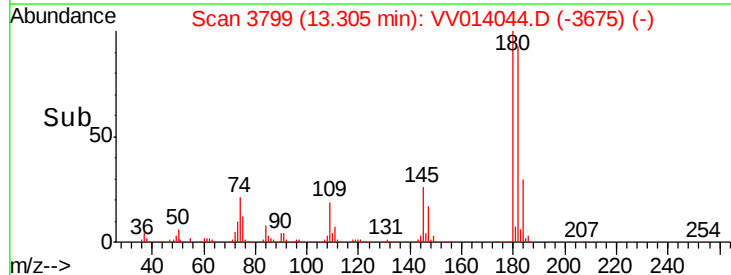
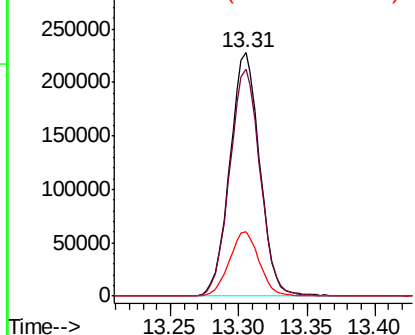


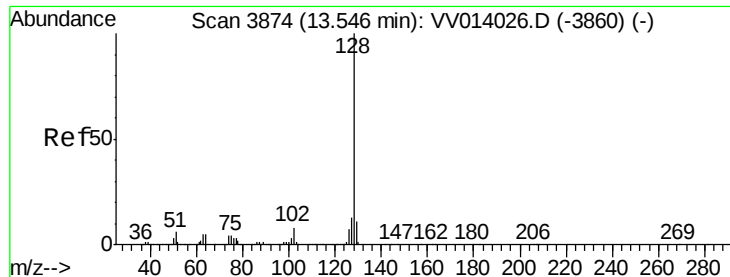
#68
 1,2,4-trichlorobenzene
 Concen: 38.521 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014044.D
 Acq: 12 Dec 2019 20:19

Tgt Ion:	180	Resp:	347754
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.4
145	26.3	21.9	32.9



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





#69

Naphthalene

Concen: 26.029 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

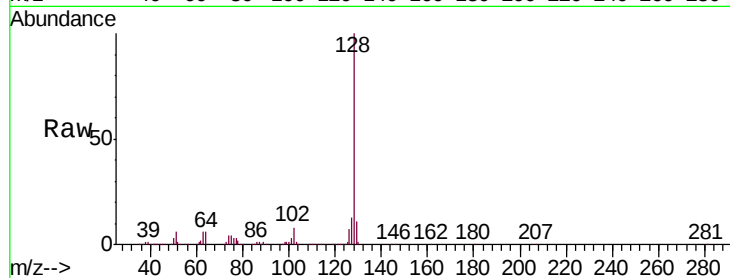
Tgt Ion:128 Resp: 616994

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

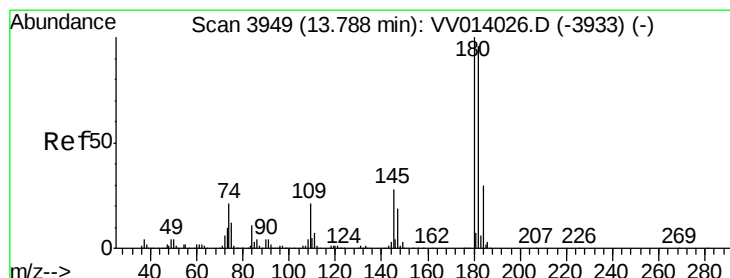
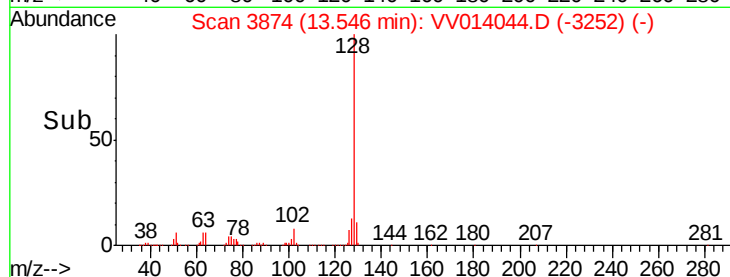
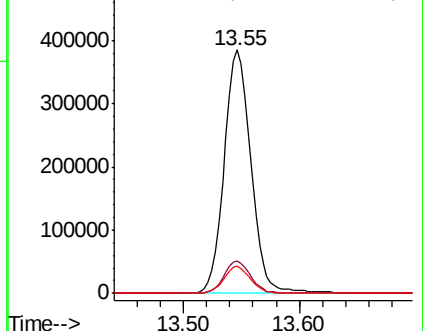
129 11.0 8.6 12.8



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: 40.030 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014044.D

Acq: 12 Dec 2019 20:19

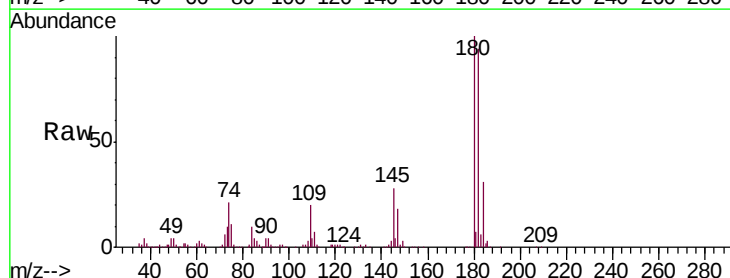
Tgt Ion:180 Resp: 377922

Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.4

145 28.7 22.6 34.0



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

