

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122819\
 Data File : VW014493.D
 Acq On : 28 Dec 2019 13:45
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Dec 30 03:15:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 30 03:13:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1226693	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1065236	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	506029	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	362246	20.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.80%
7) Chloroethane-d5	2.89	69	288501	22.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.56%
10) 1,1-Dichloroethene-d2	4.02	63	700173	22.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.56%
20) 2-Butanone-d5	7.07	46	172667	41.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.92%
24) Chloroform-d	7.64	84	611765	21.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.72%
26) 1,2-Dichloroethane-d4	8.30	65	300592	20.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.08%
29) Benzene-d6	8.27	84	1321722	23.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.32%
33) 1,2-Dichloropropane-d6	9.27	67	389682	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.52%
37) Toluene-d8	10.32	98	1203686	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.76%
38) trans-1,3-Dichloropropene-	10.57	79	158767	22.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.28%
39) 2-Hexanone-d5	10.92	63	131577	45.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	277381	21.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	385413	23.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	252343	22.995	ug/L 99
3) Chloromethane	2.21	50	267115	21.531	ug/L 99
5) Vinyl chloride	2.36	62	426721	24.174	ug/L 99
6) Bromomethane	2.78	94	252563	24.502	ug/L 100
8) Chloroethane	2.92	64	243645	24.683	ug/L 97
9) Trichlorofluoromethane	3.26	101	236469	25.326	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	379440	23.673	ug/L 99
12) 1,1-Dichloroethene	4.04	96	385636	24.569	ug/L 99
13) Acetone	4.11	43	234854	41.222	ug/L 99
14) Carbon disulfide	4.38	76	1159857	23.935	ug/L 99
15) Methyl Acetate	4.67	43	171053	22.250	ug/L 100
16) Methylene chloride	4.92	84	402966	20.145	ug/L 100
17) Methyl tert-butyl Ether	5.42	73	471440	23.335	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	398107	24.078	ug/L 99
19) 1,1-Dichloroethane	6.21	63	698637	23.375	ug/L 100
21) 2-Butanone	7.17	43	267906	43.829	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	416359	23.923	ug/L 95

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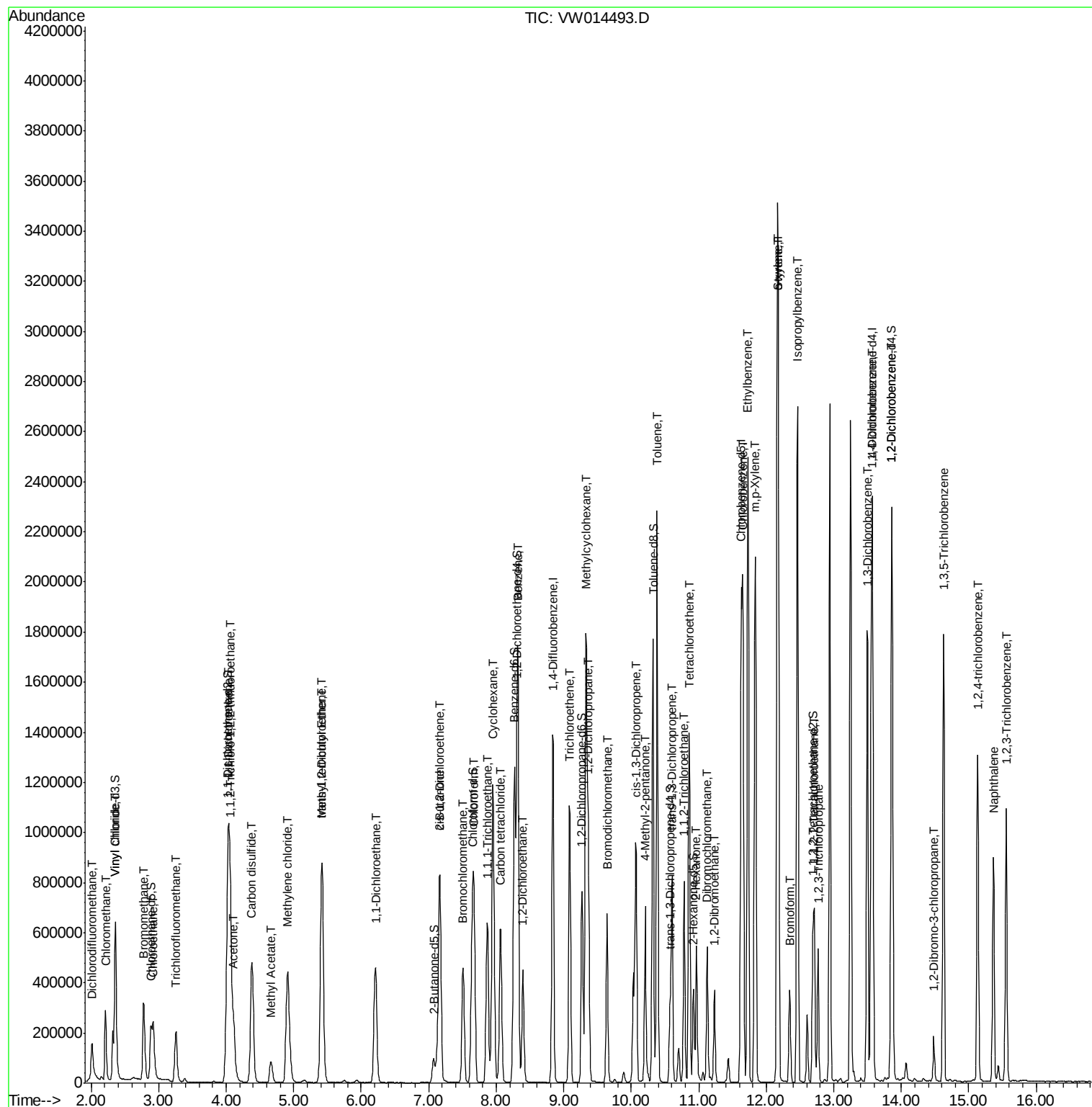
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	173944	23.087	ug/L	97
25) Chloroform	7.67	83	659844	23.081	ug/L	100
27) 1,2-Dichloroethane	8.40	62	406337	21.896	ug/L	98
30) Cyclohexane	7.95	56	714229	26.212	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	533270	24.404	ug/L	99
32) Carbon tetrachloride	8.07	117	492284	24.180	ug/L	98
34) Benzene	8.32	78	1588190	24.775	ug/L	100
35) Trichloroethene	9.09	95	407400	24.625	ug/L	99
36) Methylcyclohexane	9.33	83	755863	26.042	ug/L	98
40) 1,2-Dichloropropane	9.37	63	387259	23.868	ug/L	100
41) Bromodichloromethane	9.64	83	455737	23.351	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	591161	24.391	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	462884	44.440	ug/L	100
44) Toluene	10.38	91	1679003	25.063	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	458227	23.644	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	267882	23.309	ug/L	98
47) Tetrachloroethene	10.86	164	338391	24.359	ug/L	94
49) 2-Hexanone	10.96	43	341027	47.947	ug/L	98
50) Dibromochloromethane	11.13	129	304522	23.336	ug/L	94
51) 1,2-Dibromoethane	11.23	107	253744	23.390	ug/L	100
52) Chlorobenzene	11.65	112	1022379	24.143	ug/L	99
53) Ethylbenzene	11.73	91	1848289	25.094	ug/L	99
54) m,p-Xylene	11.84	106	708979	25.436	ug/L	93
55) o-xylene	12.16	106	655364	24.892	ug/L	100
56) Styrene	12.18	104	1104304	24.921	ug/L	97
57) Isopropylbenzene	12.46	105	1792711	25.598	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	311285	22.308	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	232309	22.224	ug/L	99
62) Bromoform	12.35	173	173022	22.881	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	790120	24.663	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	777817	24.078	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	703268	24.487	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	46440	21.836	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	598710	25.228	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	455795	25.620	ug/L	100
69) Naphthalene	15.36	128	781160	25.434	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	404476	25.090	ug/L	99

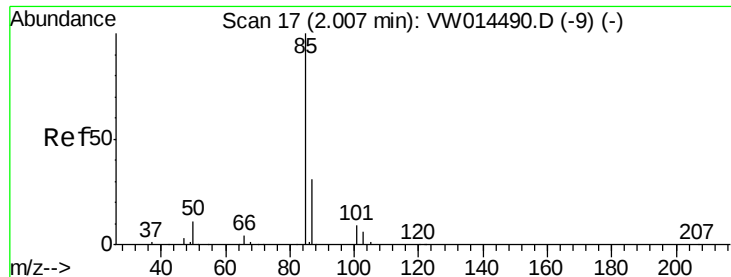
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.995 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

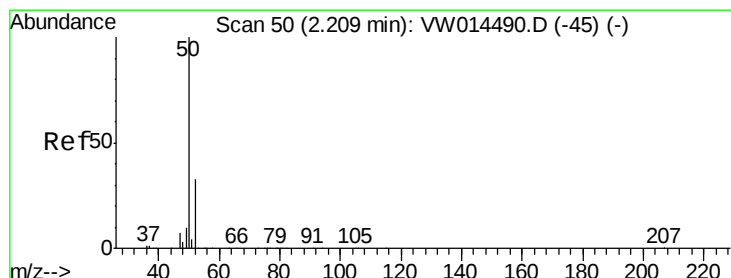
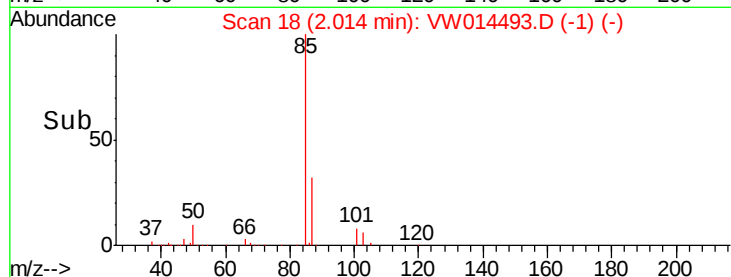
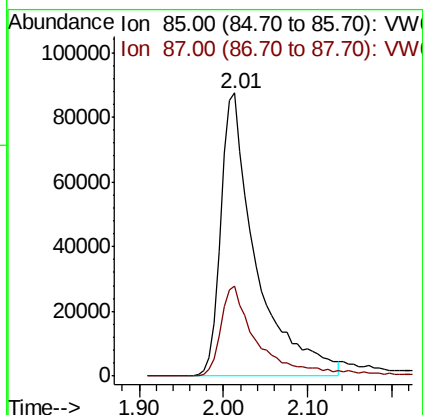
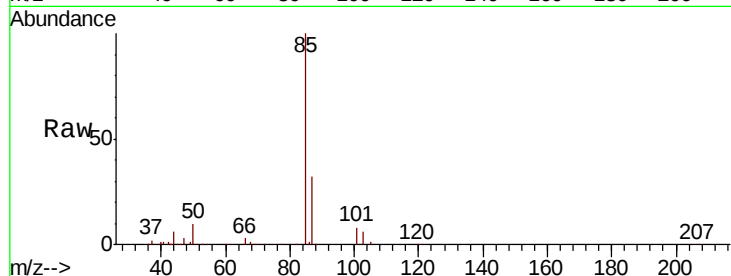
VSTD02511

Tot Ion: 85 Resp: 252343

Ion Ratio Lower Upper

85 100

87 31.0 21.5 39.9



#3

Chloromethane

Concen: 21.531 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014493.D

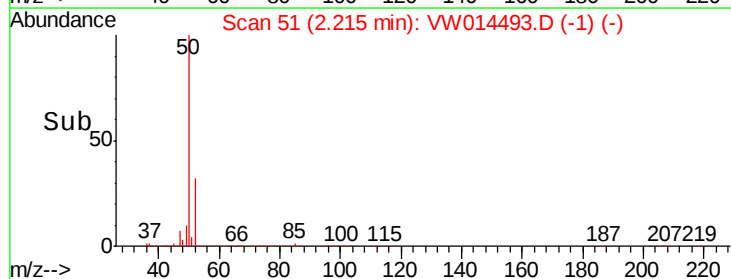
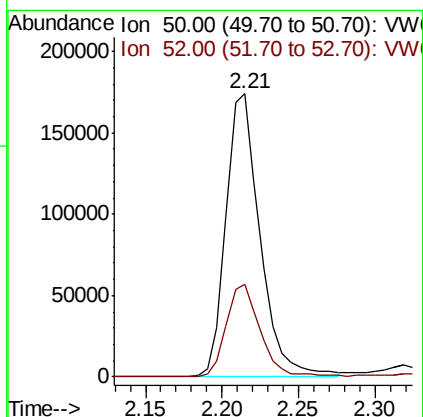
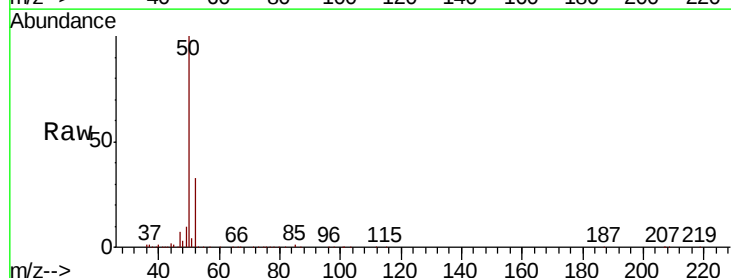
Acq: 28 Dec 2019 13:45

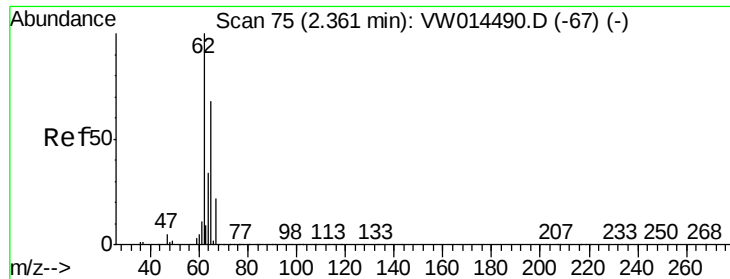
Tgt Ion: 50 Resp: 267115

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.8





#5

Vinyl chloride

Concen: 24.174 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

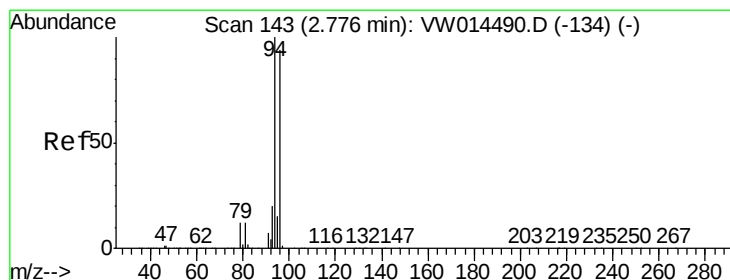
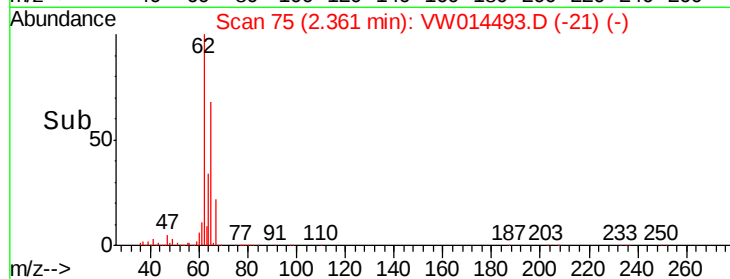
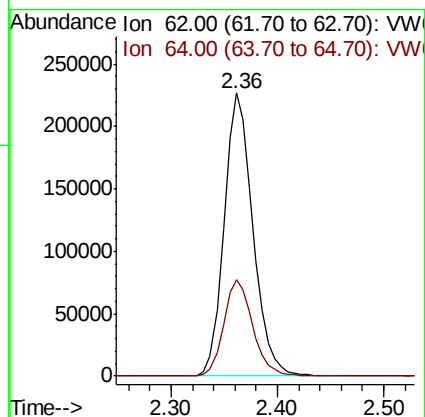
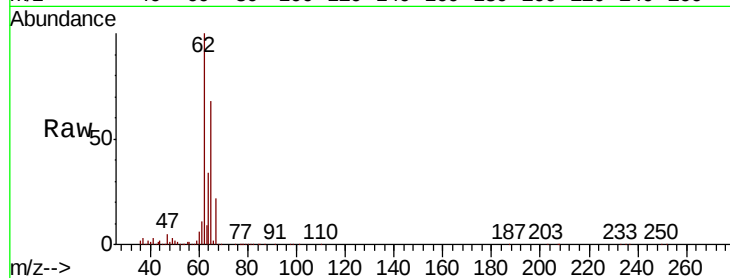
VSTD02511

Tot Ion: 62 Resp: 426721

Ion Ratio Lower Upper

62 100

64 34.1 24.1 44.8



#6

Bromomethane

Concen: 24.502 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014493.D

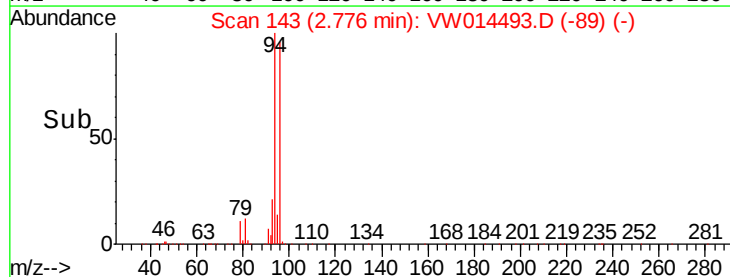
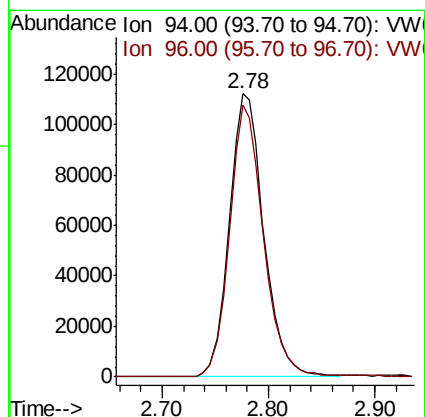
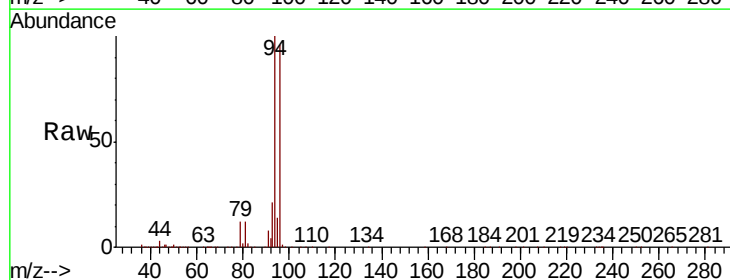
Acq: 28 Dec 2019 13:45

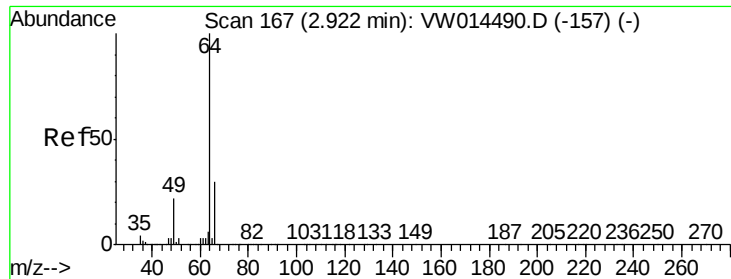
Tgt Ion: 94 Resp: 252563

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.8

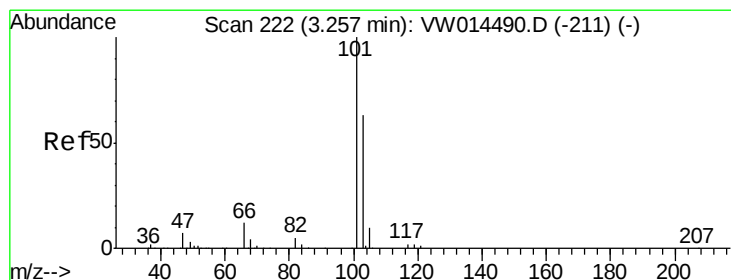
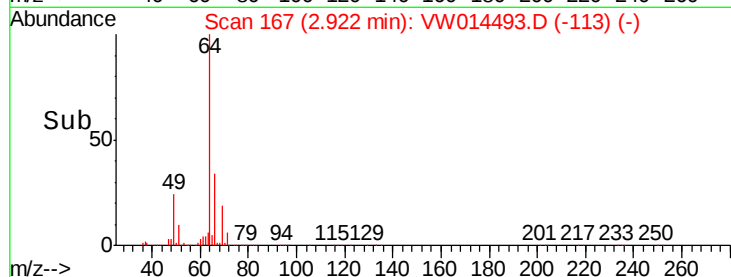
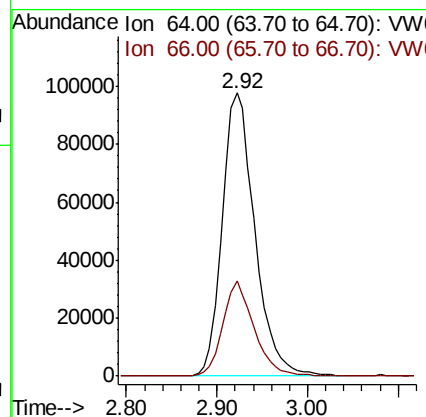
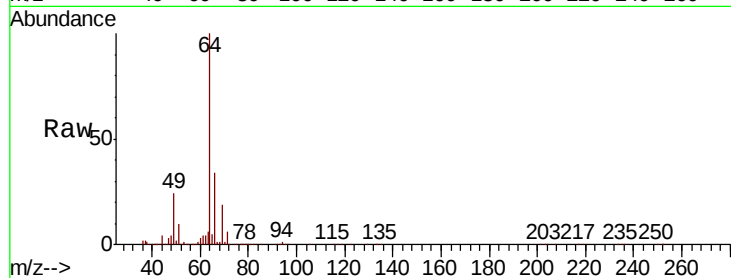




#8
Chloroethane
Concen: 24.683 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

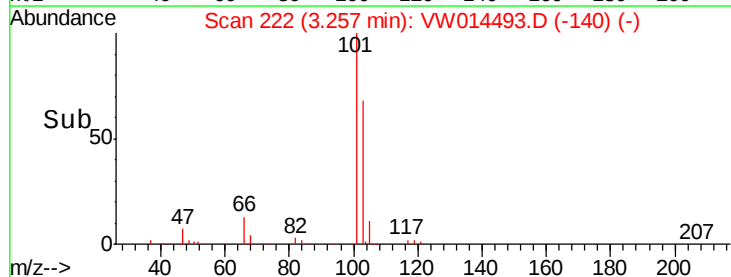
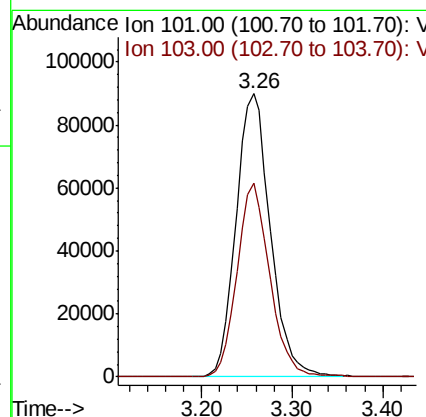
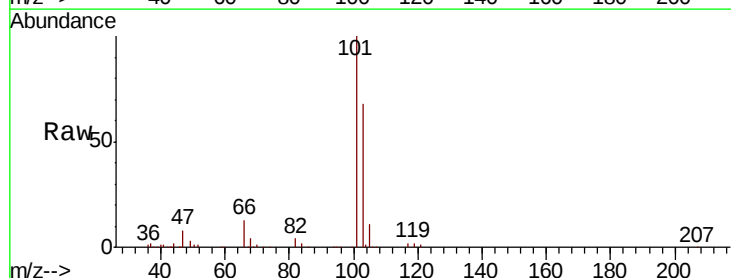
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

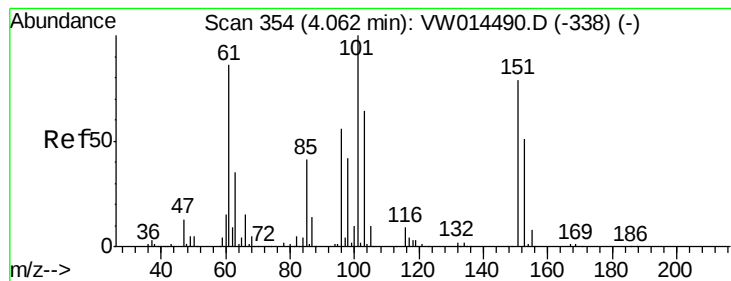
Tot Ion: 64 Resp: 243645
Ion Ratio Lower Upper
64 100
66 33.6 22.5 41.7



#9
Trichlorofluoromethane
Concen: 25.326 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

Tgt Ion: 101 Resp: 236469
Ion Ratio Lower Upper
101 100
103 65.1 45.5 84.5





#11

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

Concen: 23.673 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

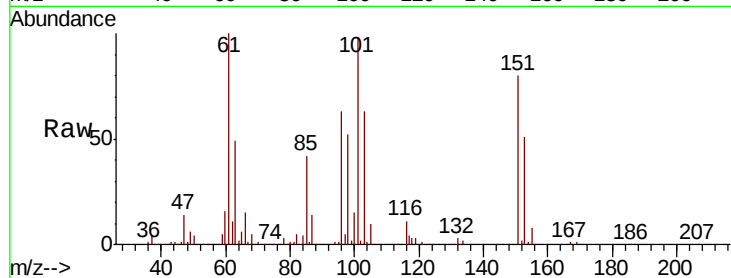
Tot Ion:101 Resp: 379440

Ion Ratio Lower Upper

101 100

85 41.8 33.3 49.9

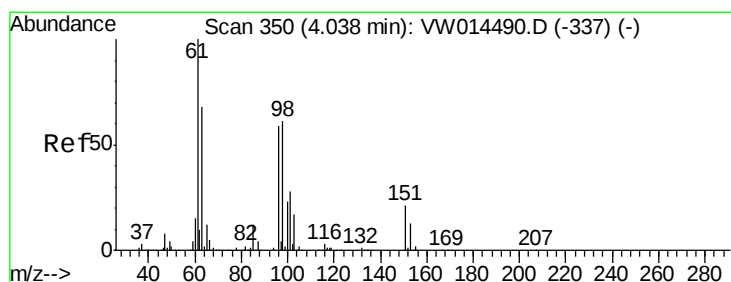
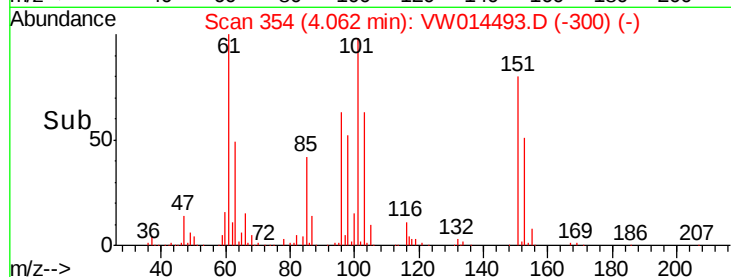
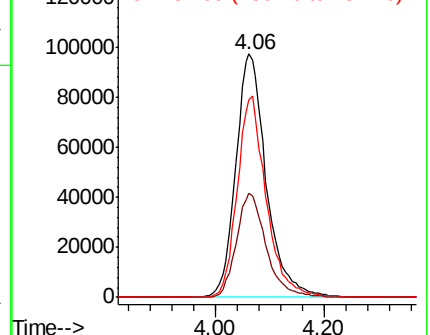
151 78.8 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.569 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

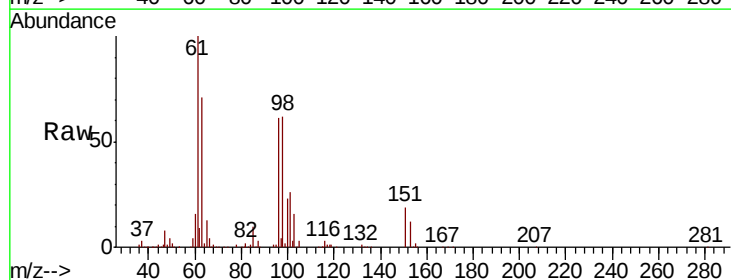
Tgt Ion: 96 Resp: 385636

Ion Ratio Lower Upper

96 100

61 163.2 114.2 212.0

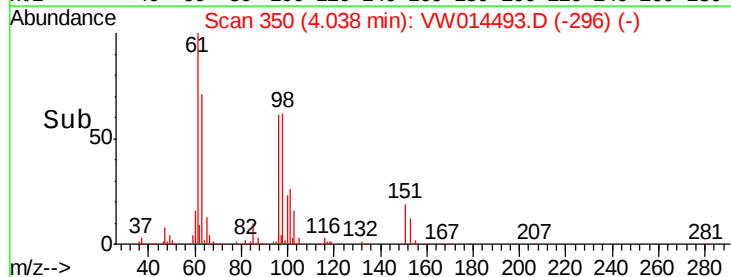
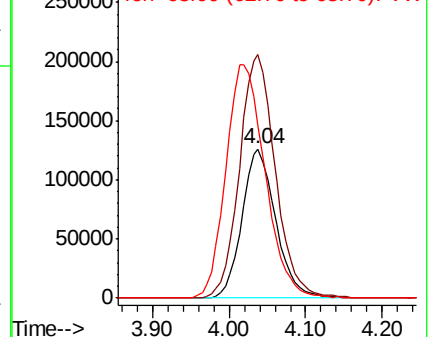
63 115.9 78.6 146.0

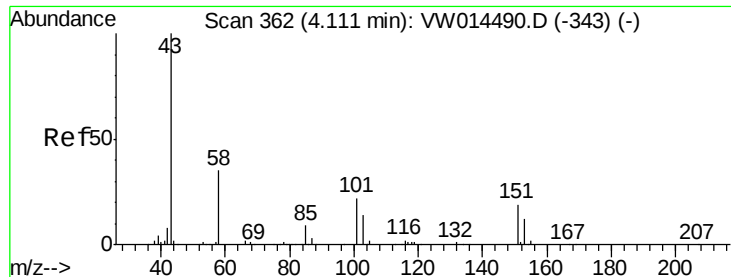


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.222 ug/L

RT: 4.11 min Scan# 362

Delta R.T. 0.00 min

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Acq: 28 Dec 2019 13:45

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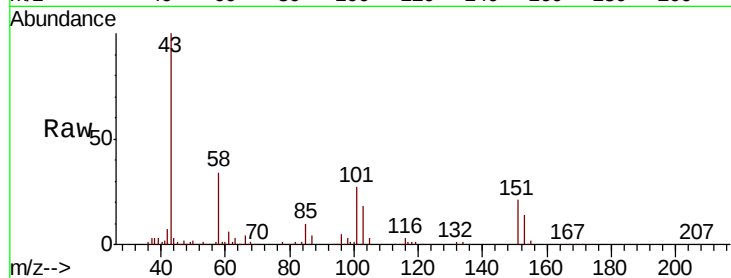
VSTD02511

Tot Ion: 43 Resp: 234854

Ion Ratio Lower Upper

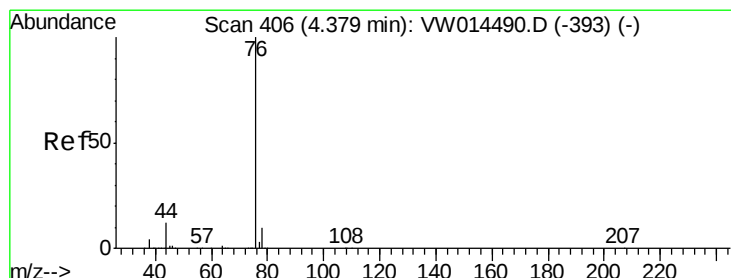
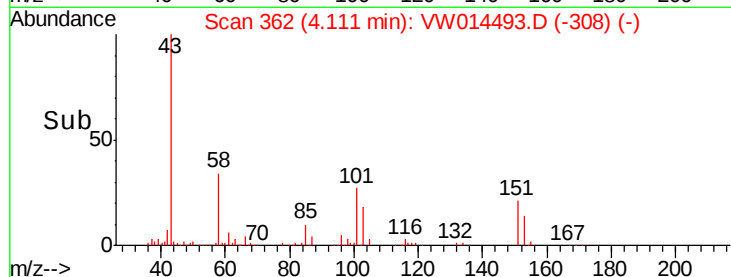
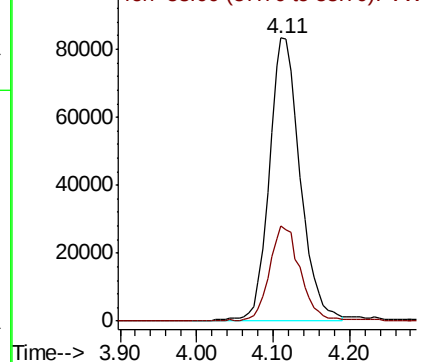
43 100

58 32.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.935 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW014493.D

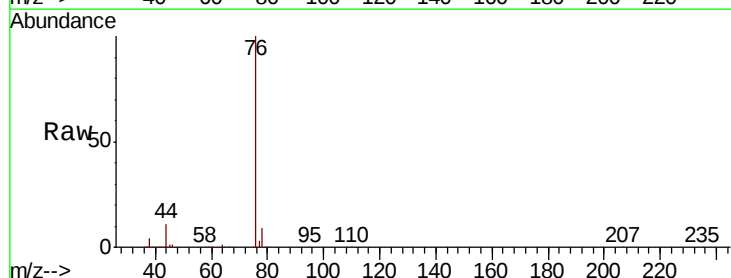
Acq: 28 Dec 2019 13:45

Tgt Ion: 76 Resp: 1159857

Ion Ratio Lower Upper

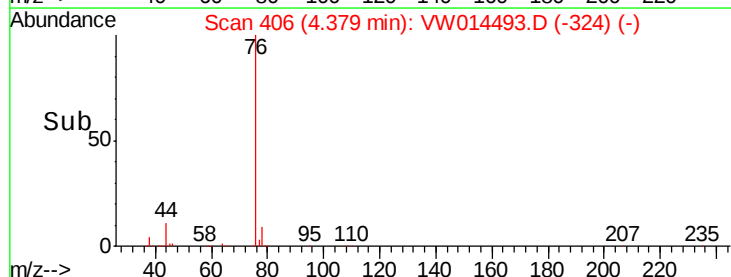
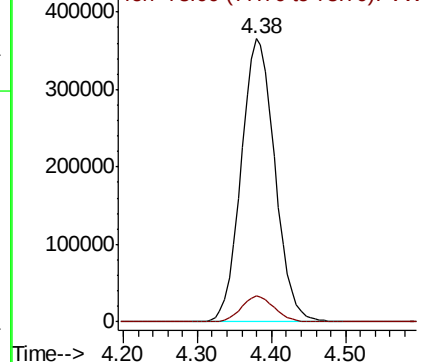
76 100

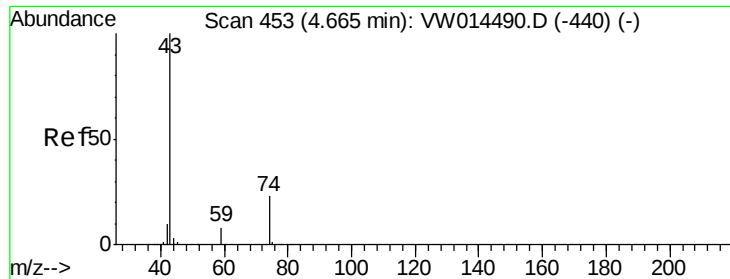
78 9.1 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

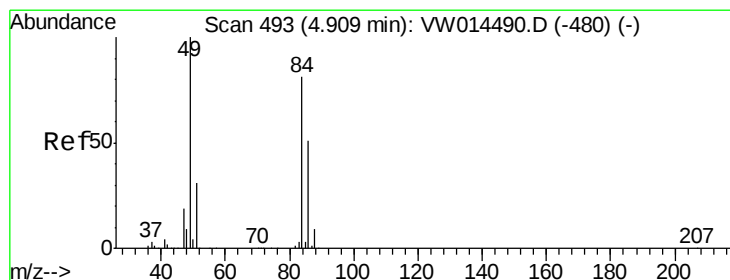
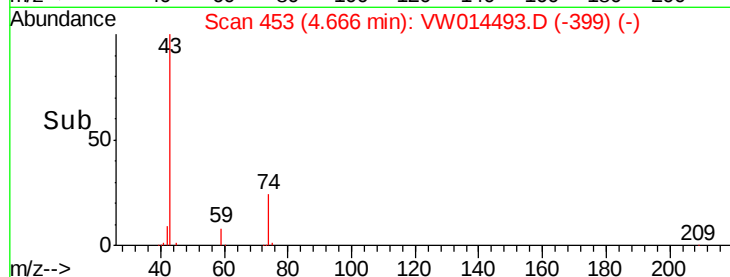
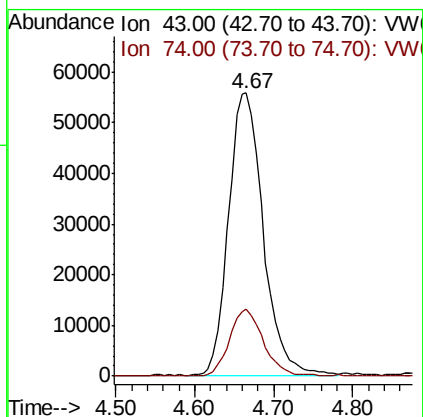
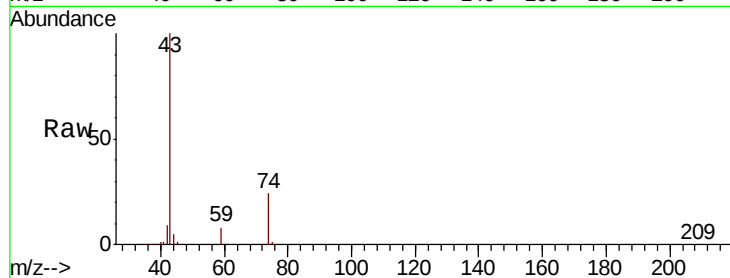




#15
Methvl Acetate
Concen: 22.250 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

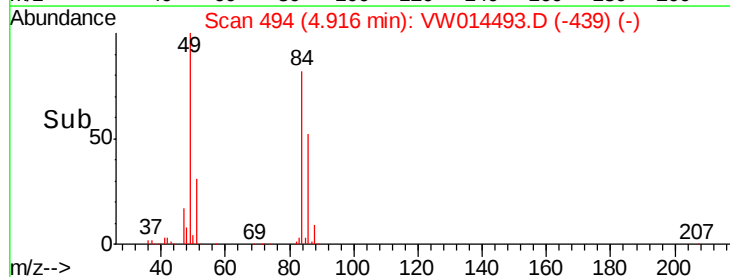
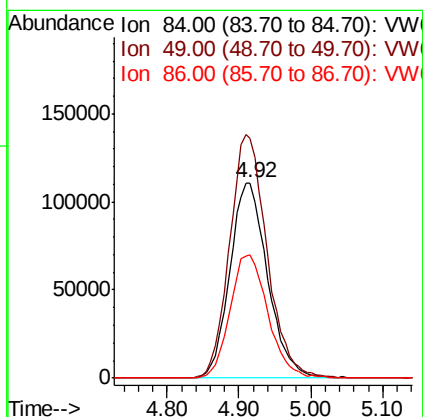
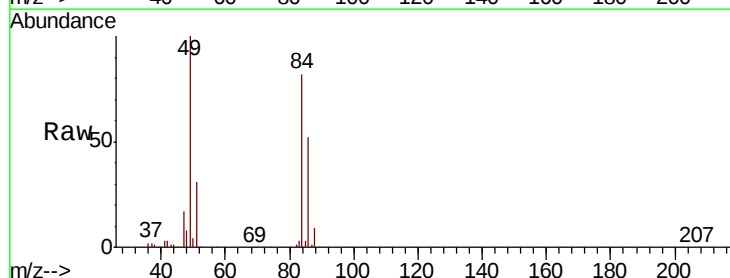
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

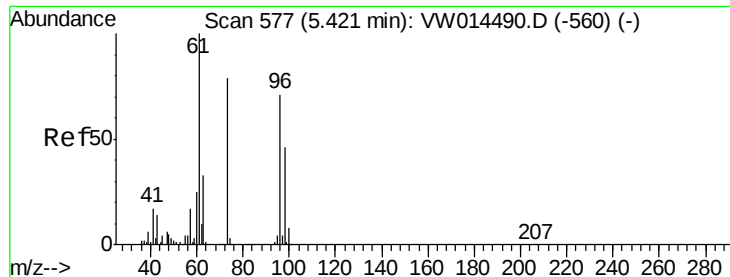
Tot Ion: 43 Resp: 171053
Ion Ratio Lower Upper
43 100
74 23.0 18.3 27.5



#16
Methylene chloride
Concen: 20.145 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

Tgt Ion: 84 Resp: 402966
Ion Ratio Lower Upper
84 100
49 122.6 85.8 159.4
86 63.2 44.5 82.7

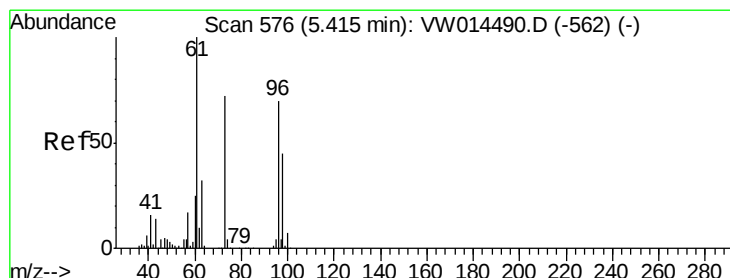
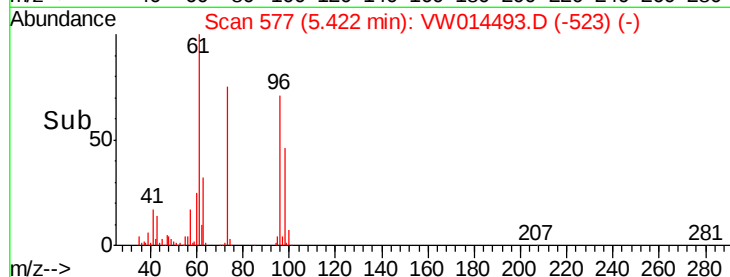
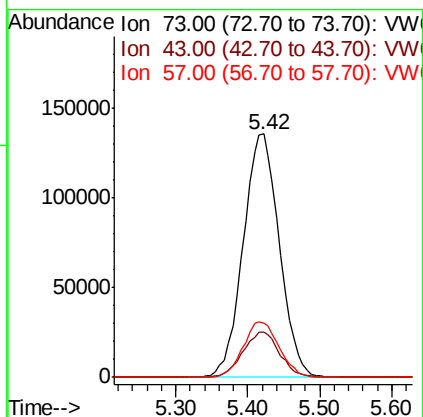
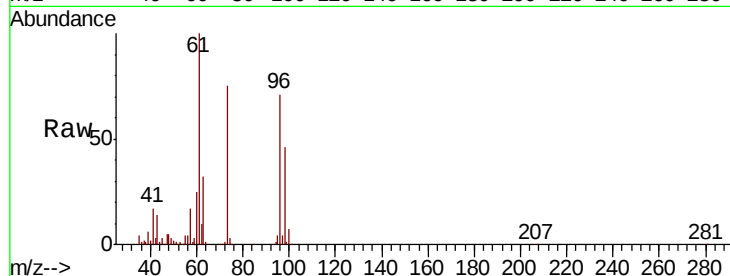




#17
Methvl tert-butvl Ether
Concen: 23.335 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

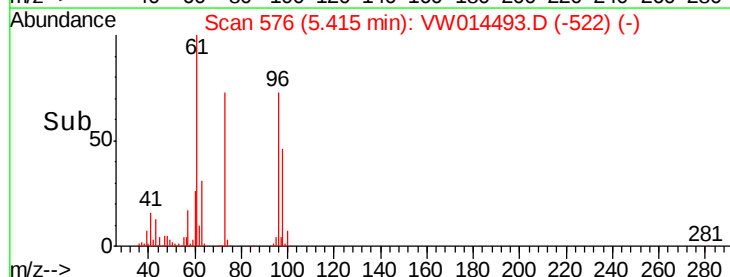
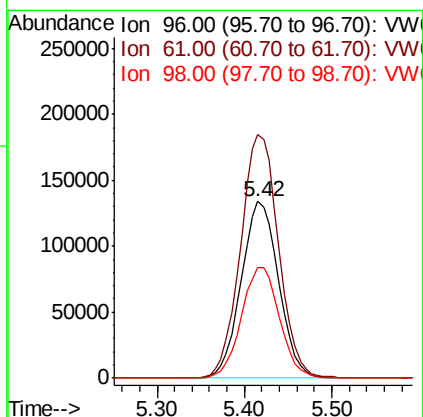
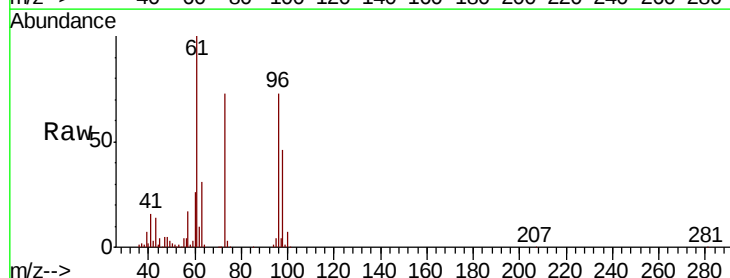
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

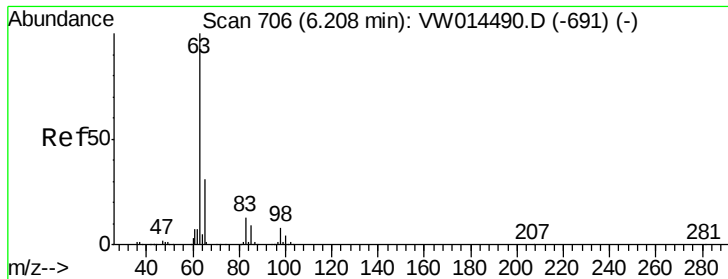
Tot Ion: 73 Resp: 471440
Ion Ratio Lower Upper
73 100
43 18.7 15.7 23.5
57 22.7 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 24.078 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

Tgt Ion: 96 Resp: 398107
Ion Ratio Lower Upper
96 100
61 137.9 98.2 182.4
98 62.9 44.1 81.9

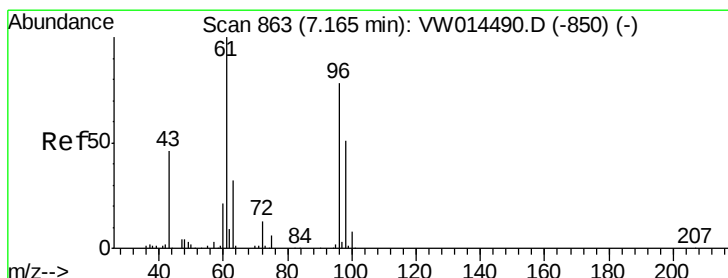
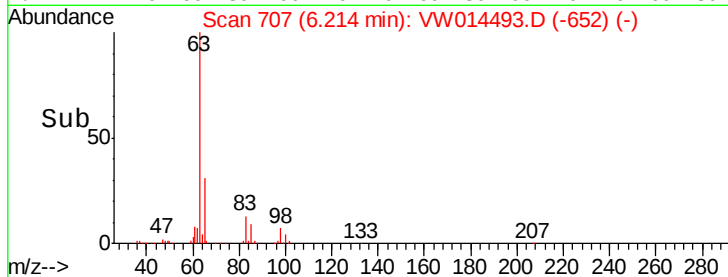
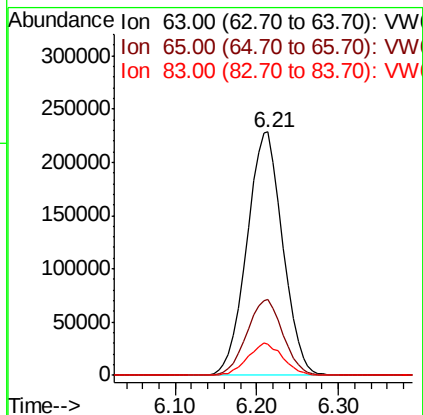
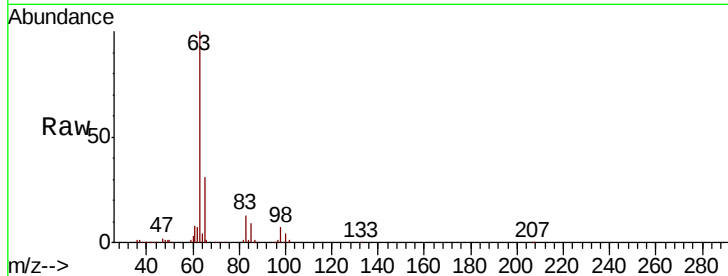




#19
 1,1-Dichloroethane
 Concen: 23.375 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW014493.D
 Acq: 28 Dec 2019 13:45

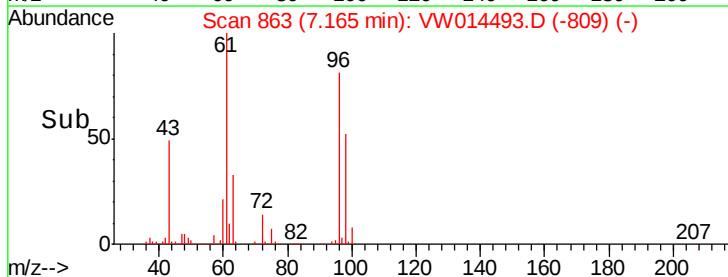
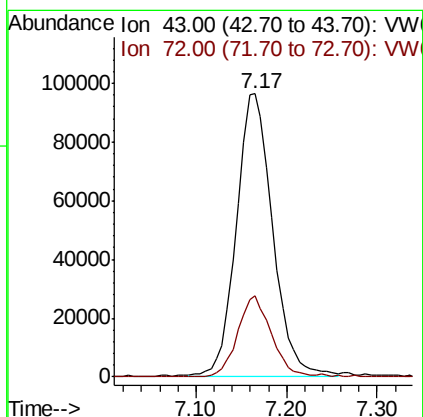
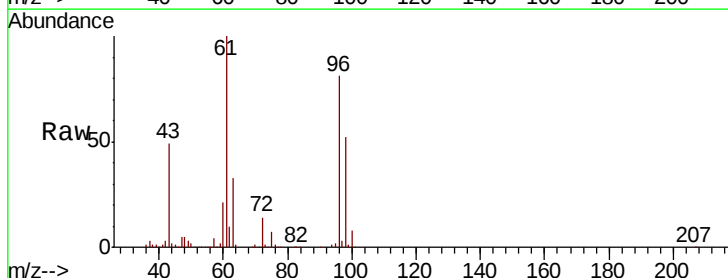
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

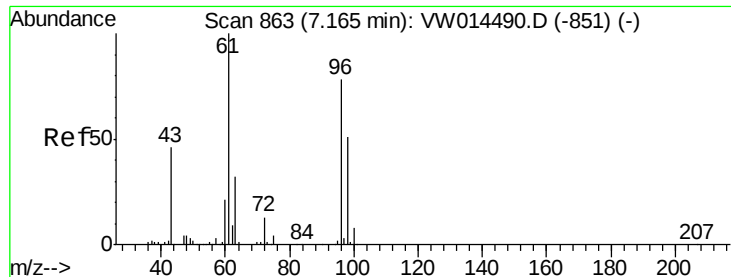
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	21.7	40.3
83	12.6	9.0	16.8



#21
 2-Butanone
 Concen: 43.829 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014493.D
 Acq: 28 Dec 2019 13:45

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.5	13.3	39.8



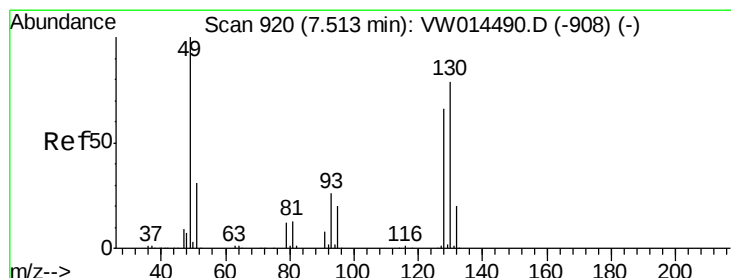
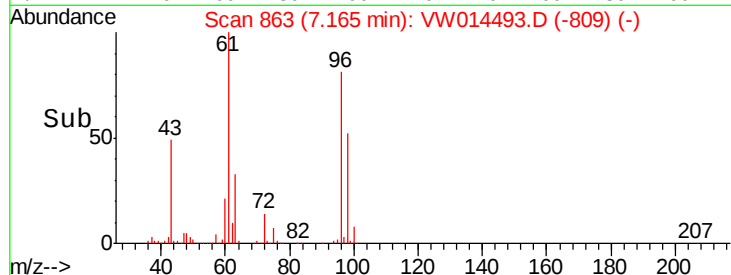
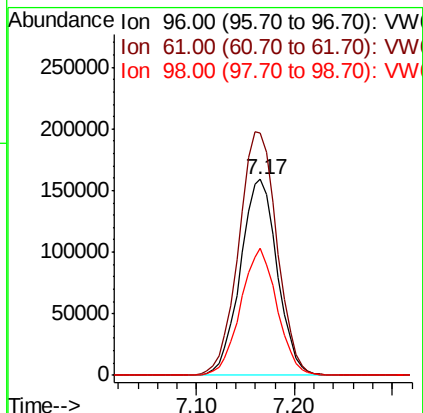
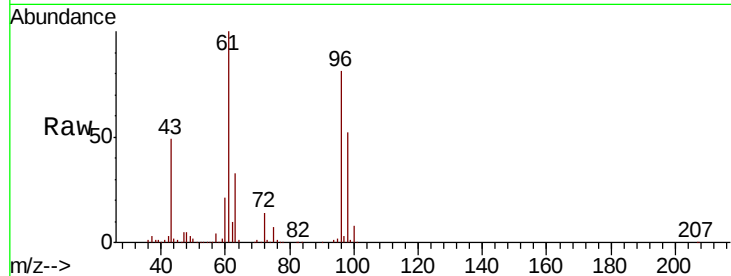


#22

cis-1,2-Dichloroethene
Concen: 23.923 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

Instrument :
MSVOA_W
ClientSampled :
VSTD02511

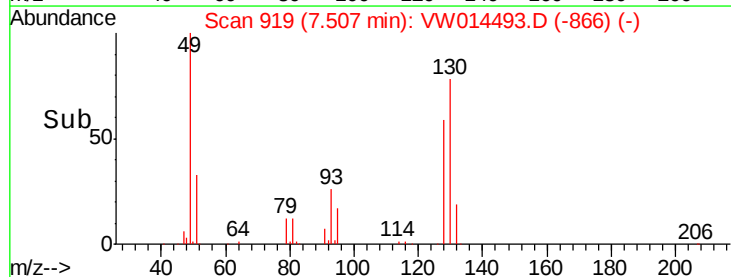
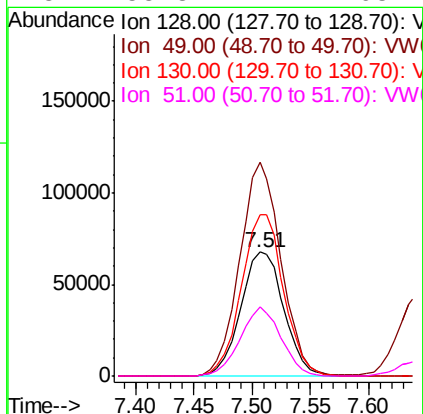
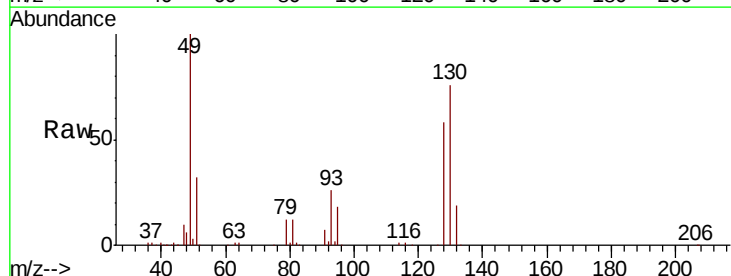
Tot Ion: 96 Resp: 416359
Ion Ratio Lower Upper
96 100
61 124.0 91.5 169.9
98 64.9 46.9 87.1

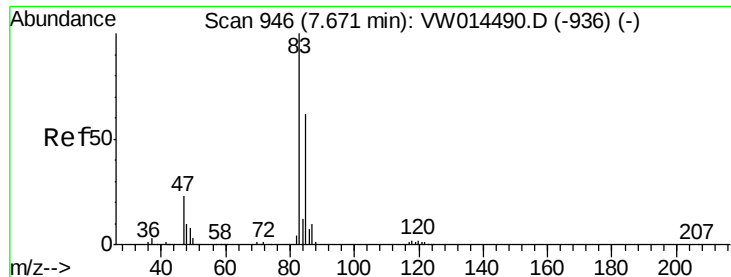


#23

Bromochloromethane
Concen: 23.087 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

Tgt Ion: 128 Resp: 173944
Ion Ratio Lower Upper
128 100
49 172.2 118.3 219.7
130 130.5 89.5 166.1
51 55.8 42.1 63.1





#25

Chloroform

Concen: 23.081 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

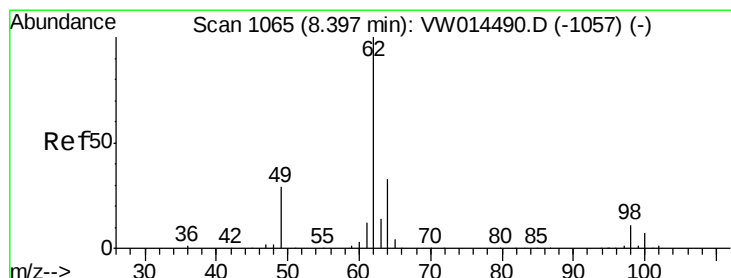
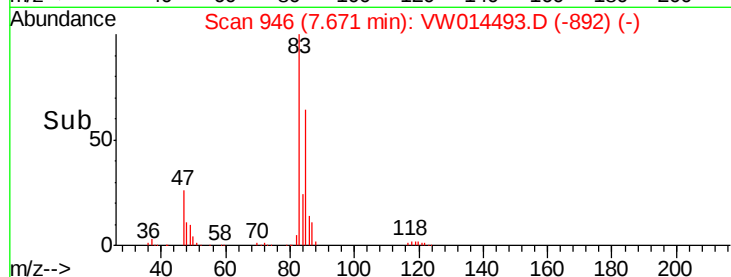
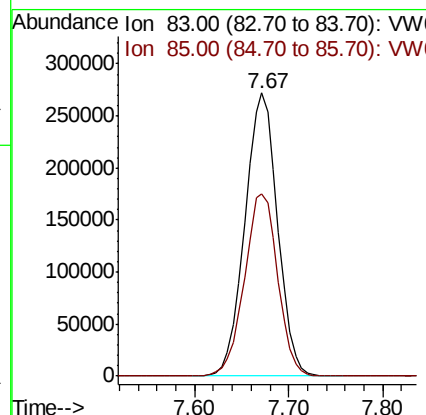
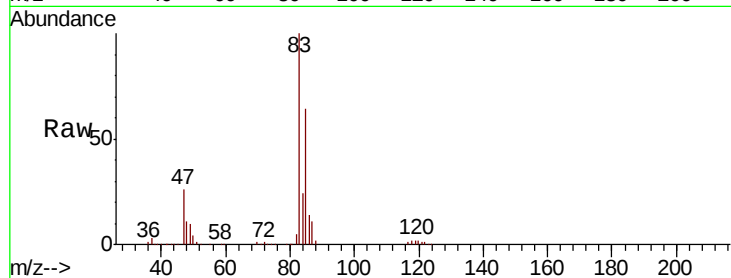
VSTD02511

Tot Ion: 83 Resp: 659844

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.2



#27

1,2-Dichloroethane

Concen: 21.896 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014493.D

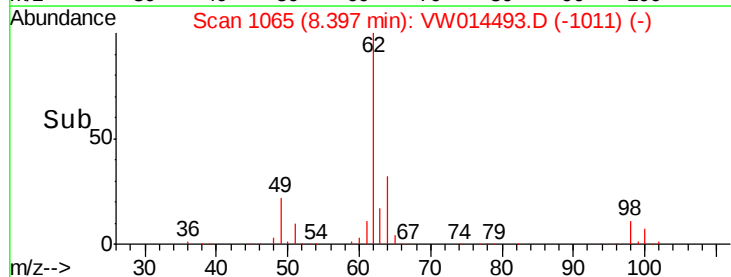
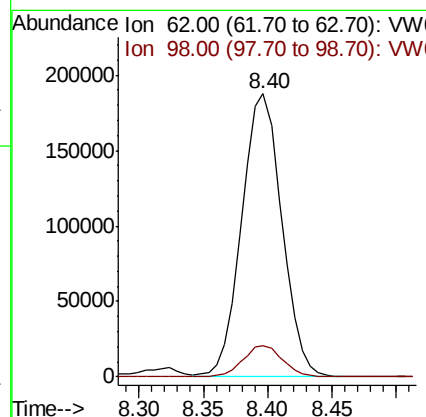
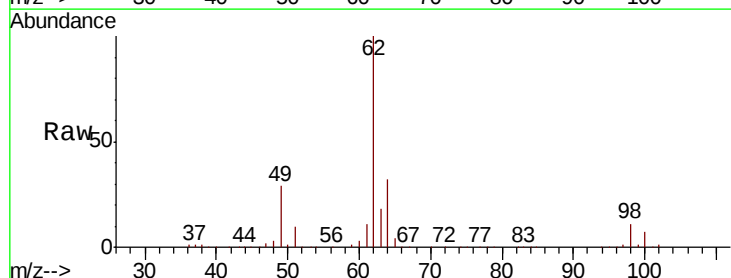
Acq: 28 Dec 2019 13:45

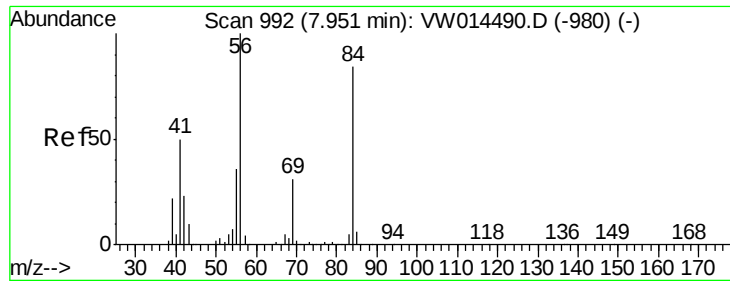
Tgt Ion: 62 Resp: 406337

Ion Ratio Lower Upper

62 100

98 11.2 8.3 12.5

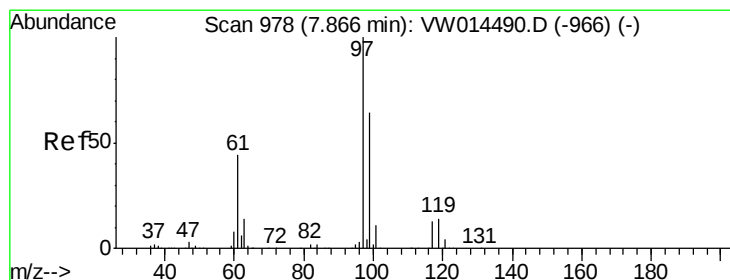
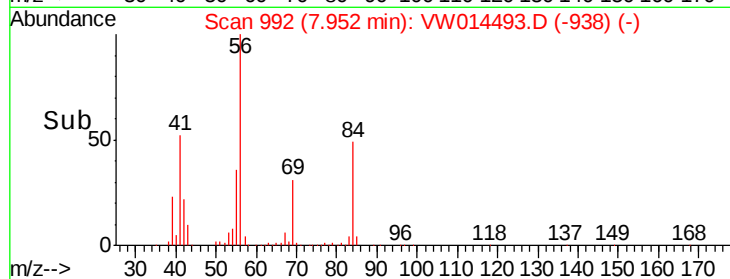
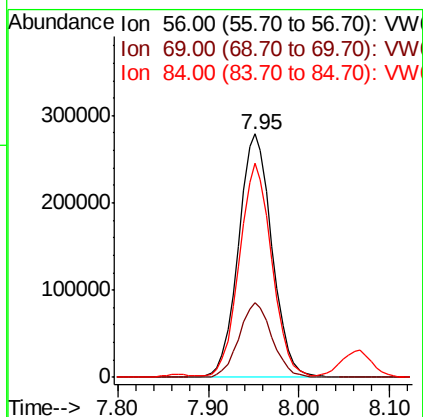
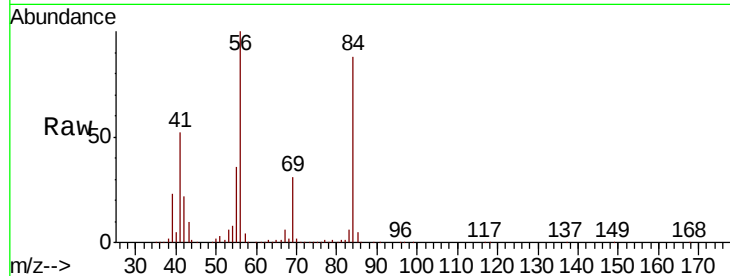




#30
Cyclohexane
Concen: 26.212 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

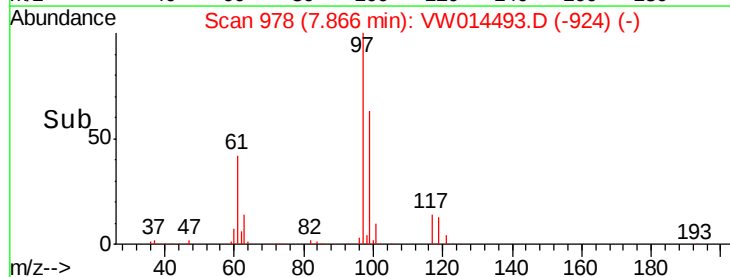
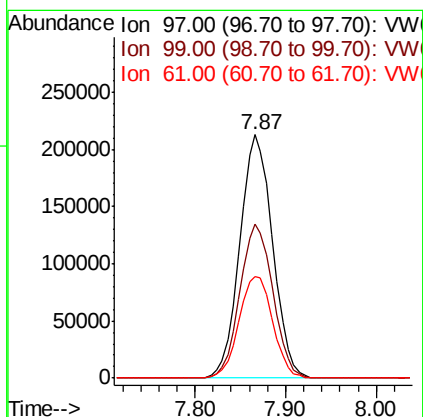
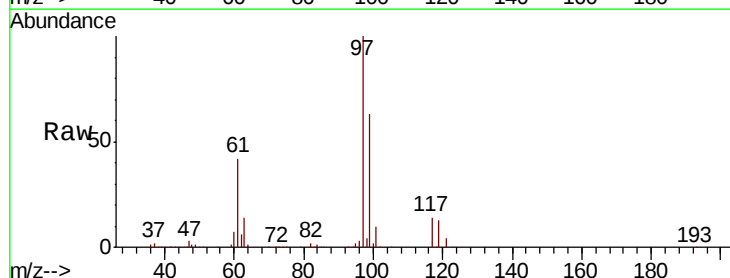
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

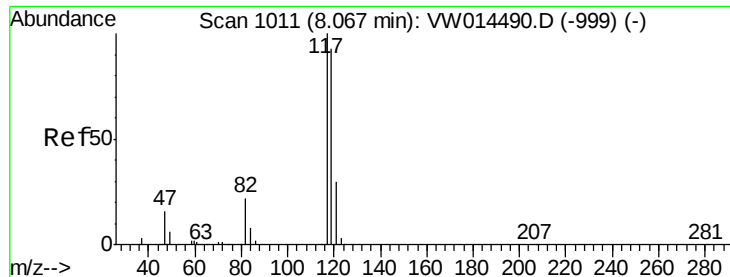
Tot Ion: 56 Resp: 714229
Ion Ratio Lower Upper
56 100
69 30.3 23.8 35.8
84 85.9 68.2 102.2



#31
1,1,1-Trichloroethane
Concen: 24.404 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

Tgt Ion: 97 Resp: 533270
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 43.3 35.3 52.9





#32

Carbon tetrachloride

Concen: 24.180 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

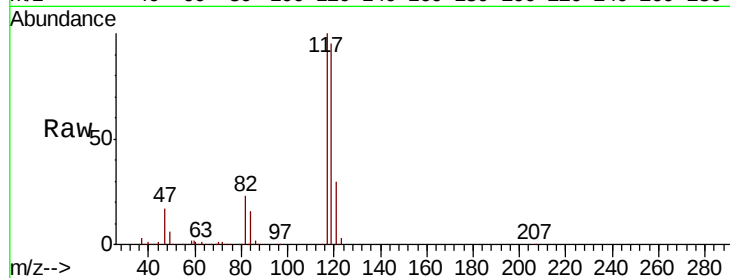
VSTD02511

Tot Ion:117 Resp: 492284

Ion Ratio Lower Upper

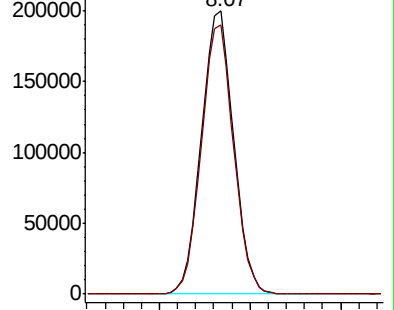
117 100

119 95.5 77.6 116.4

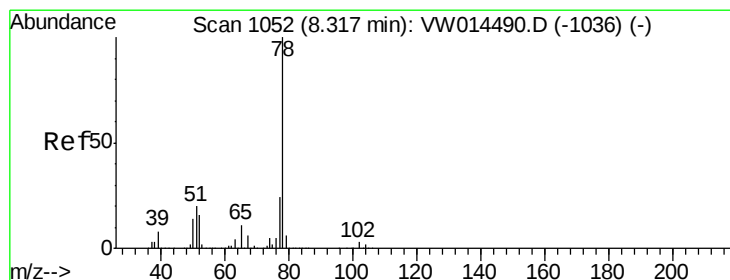
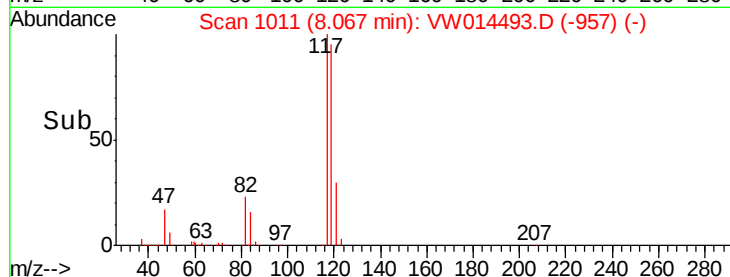


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 24.775 ug/L

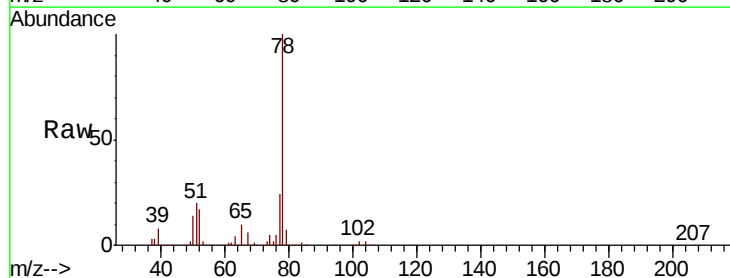
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

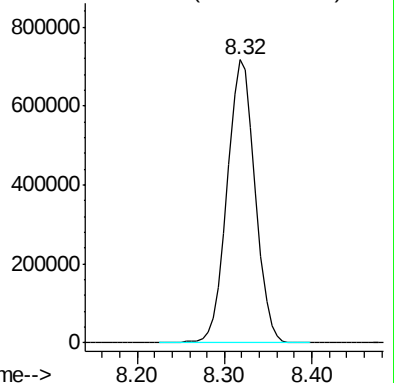
Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

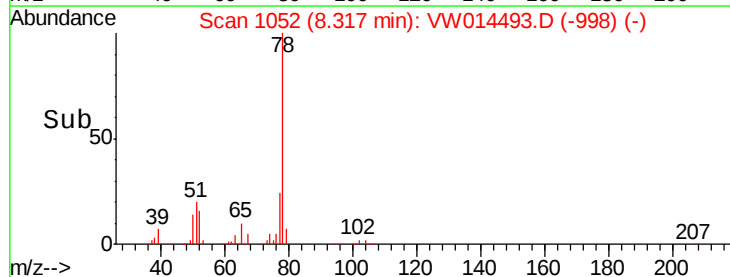
Tgt Ion: 78 Resp: 1588190

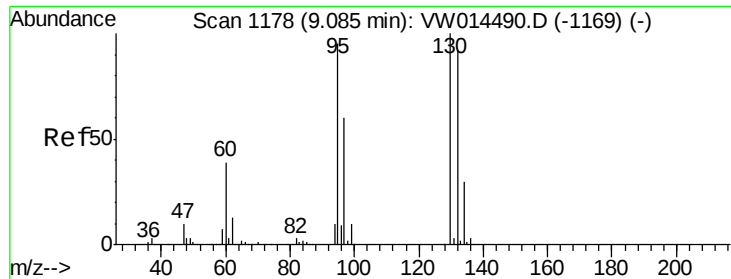


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 24.625 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tot Ion: 95 Resp: 407400

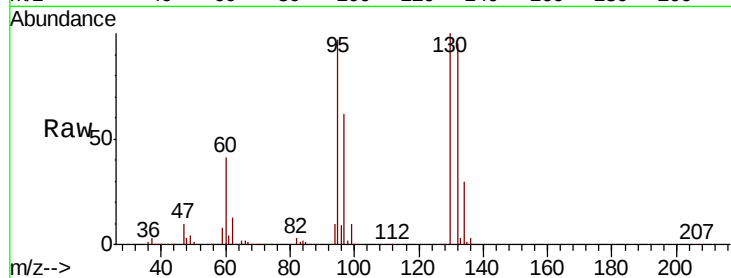
Ion Ratio Lower Upper

95 100

97 63.4 44.3 82.3

132 100.6 69.2 128.6

130 104.5 72.3 134.3

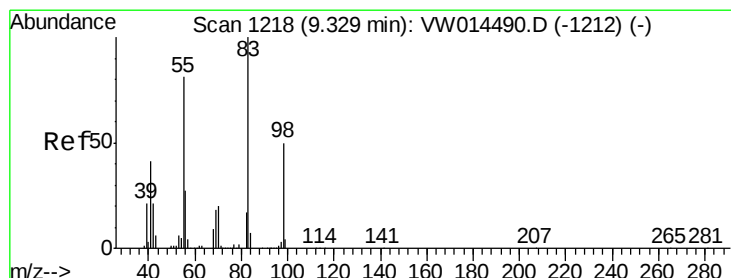
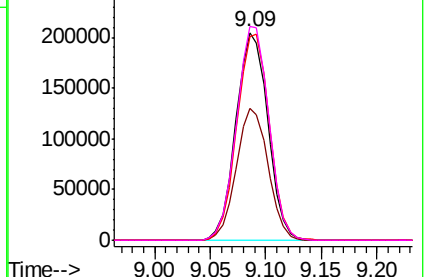
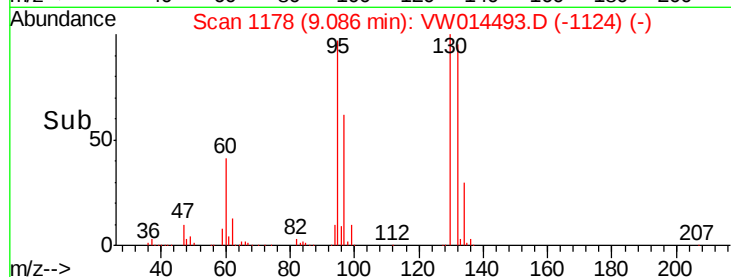


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.042 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

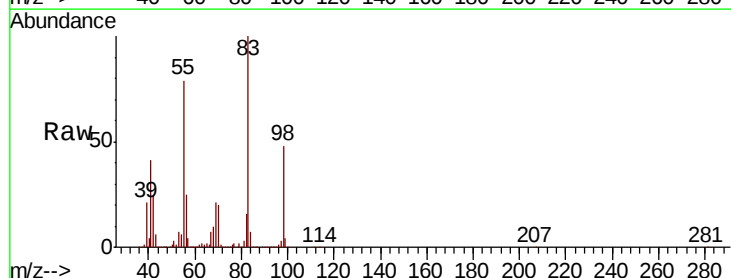
Tgt Ion: 83 Resp: 755863

Ion Ratio Lower Upper

83 100

55 78.2 63.7 95.5

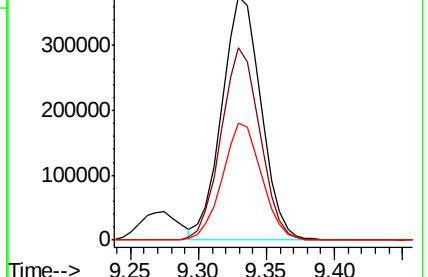
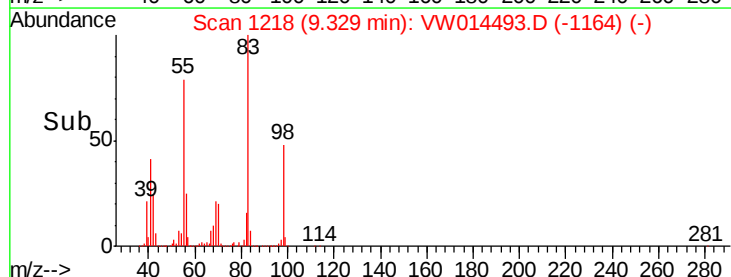
98 48.1 39.4 59.2

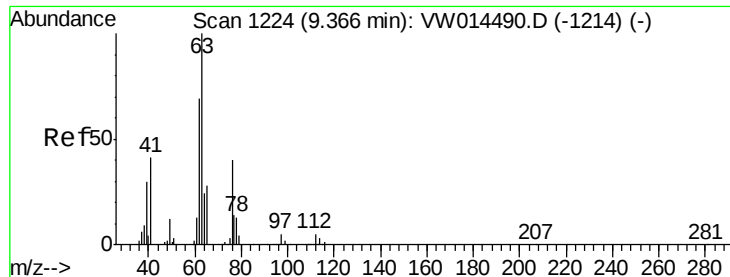


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

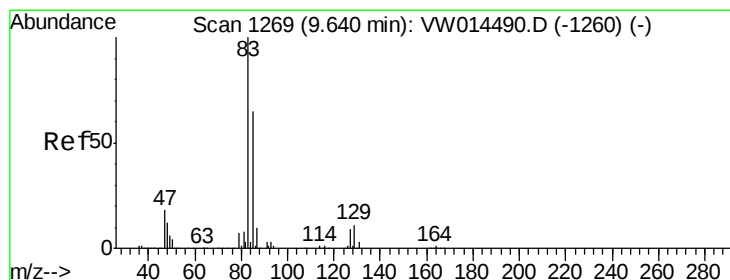
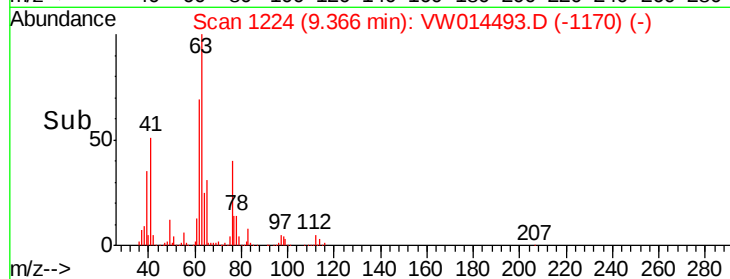
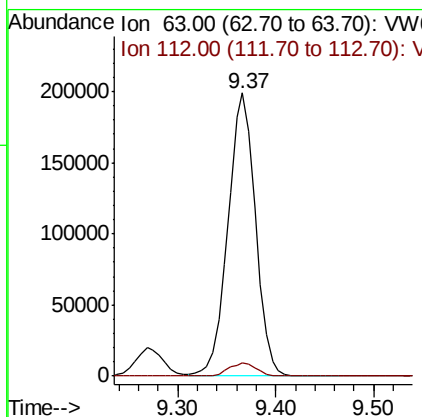
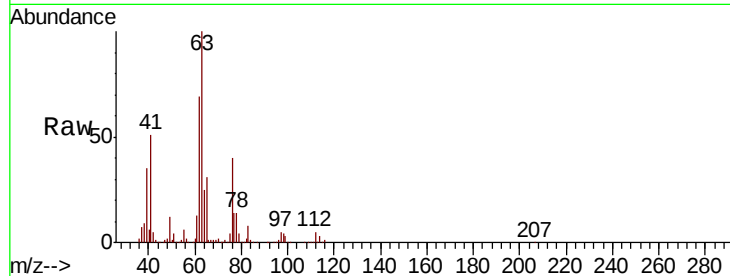




#40
 1,2-Dichloropropane
 Concen: 23.868 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014493.D
 Acq: 28 Dec 2019 13:45

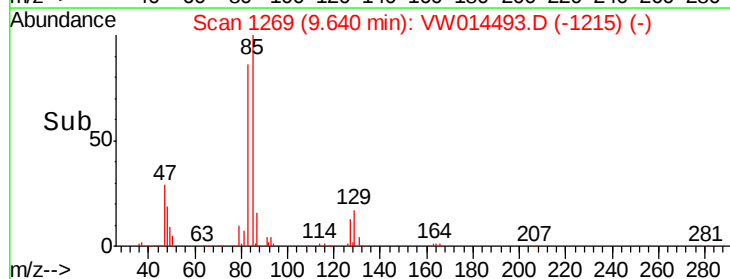
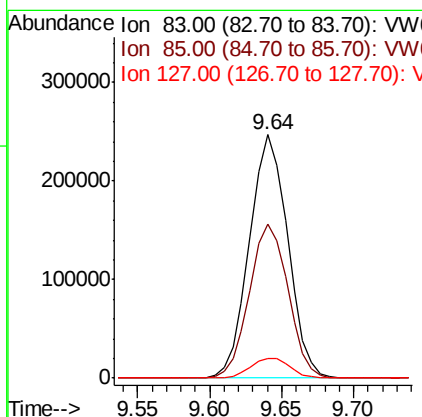
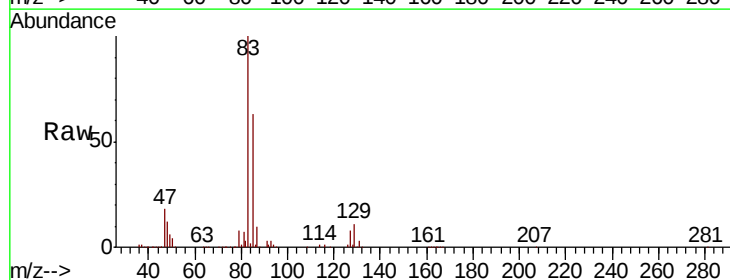
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

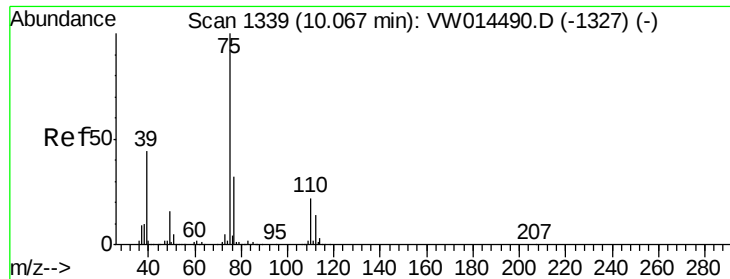
Tot Ion: 63 Resp: 387259
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 23.351 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014493.D
 Acq: 28 Dec 2019 13:45

Tgt Ion: 83 Resp: 455737
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.7 83.1
 127 7.9 6.3 9.5





#42

cis-1,3-Dichloropropene

Concen: 24.391 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

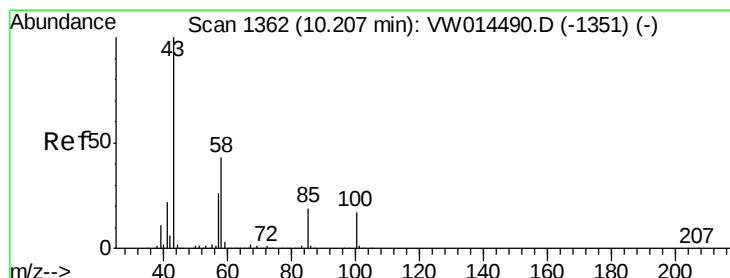
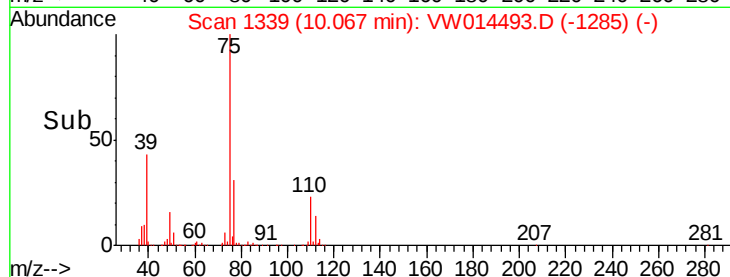
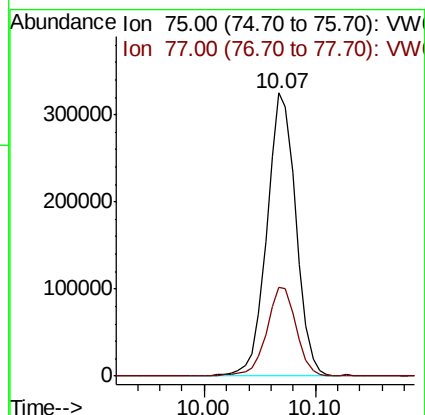
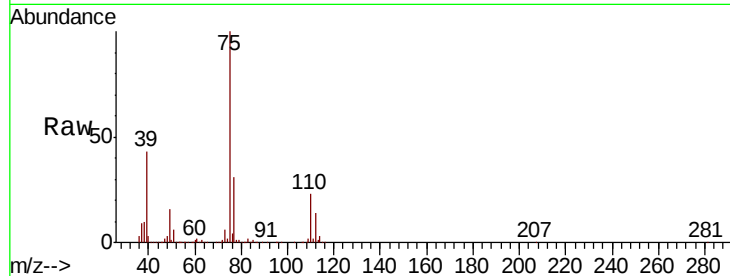
VSTD02511

Tot Ion: 75 Resp: 591161

Ion Ratio Lower Upper

75 100

77 31.3 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 44.440 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

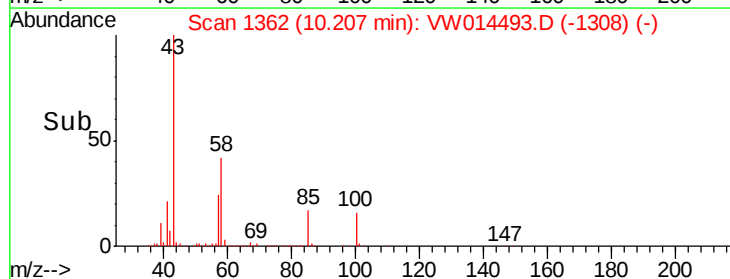
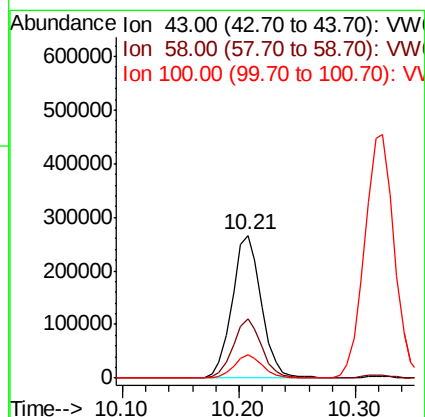
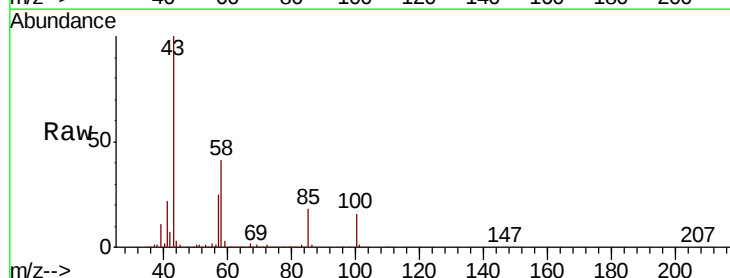
Tgt Ion: 43 Resp: 462884

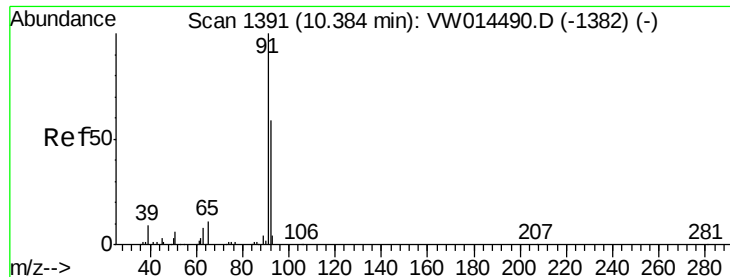
Ion Ratio Lower Upper

43 100

58 40.6 32.6 48.8

100 16.0 12.6 19.0





#44

Toluene

Concen: 25.063 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

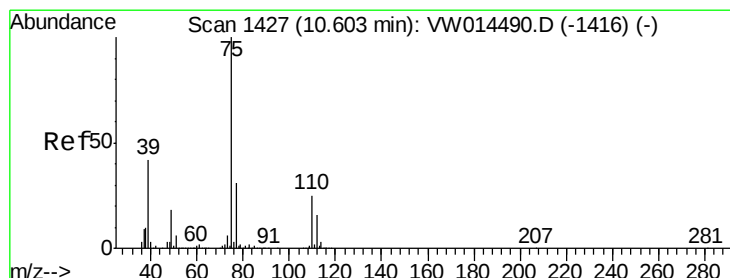
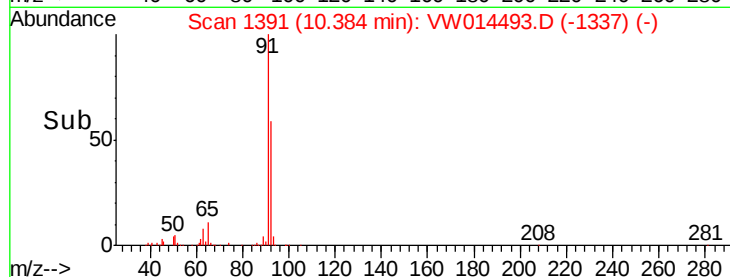
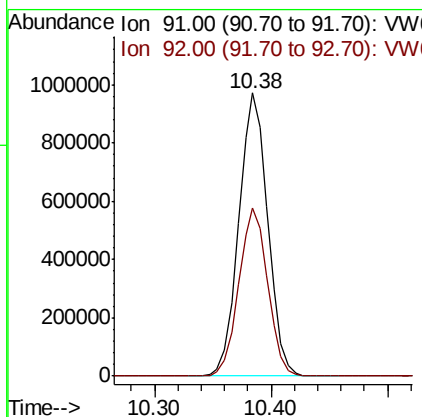
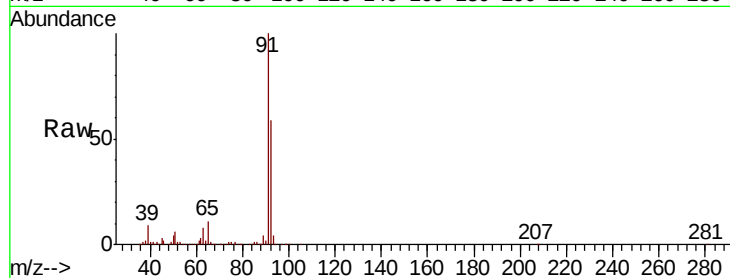
VSTD02511

Tot Ion: 91 Resp: 1679003

Ion Ratio Lower Upper

91 100

92 59.3 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 23.644 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014493.D

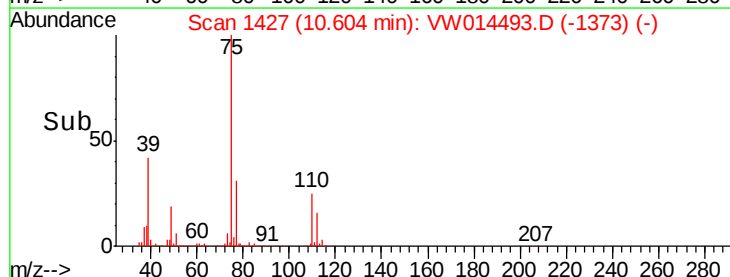
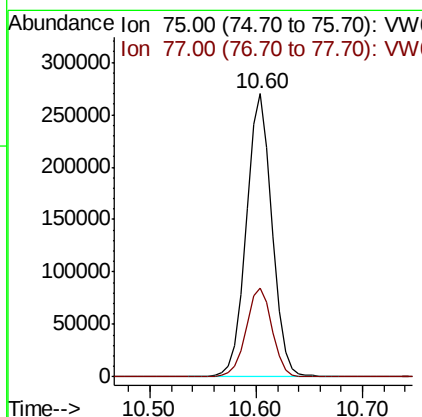
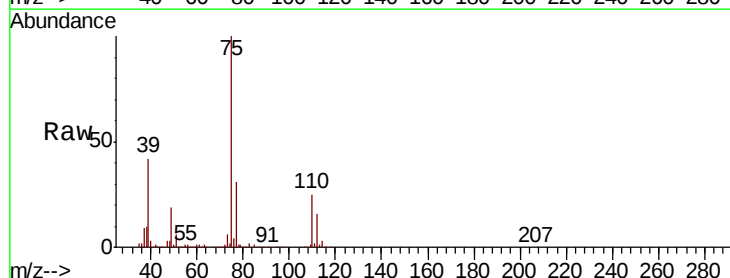
Acq: 28 Dec 2019 13:45

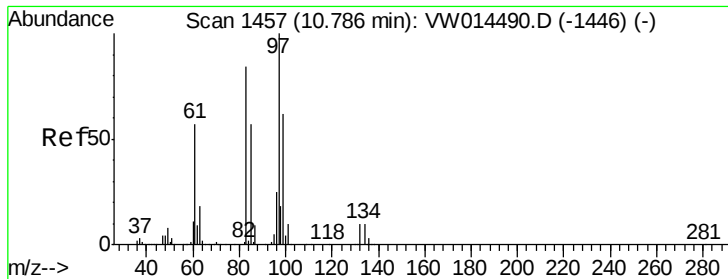
Tgt Ion: 75 Resp: 458227

Ion Ratio Lower Upper

75 100

77 31.4 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 23.309 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tot Ion: 97 Resp: 267882

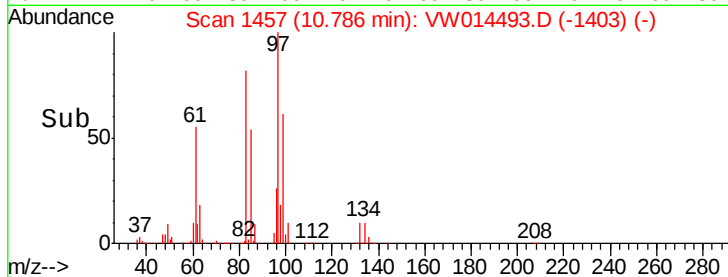
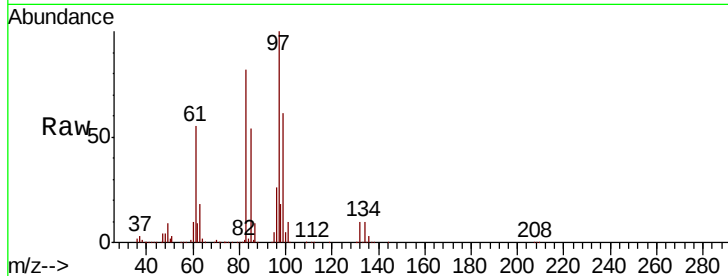
Ion Ratio Lower Upper

97 100

83 82.1 60.1 111.5

85 54.2 38.1 70.9

99 60.8 43.4 80.6

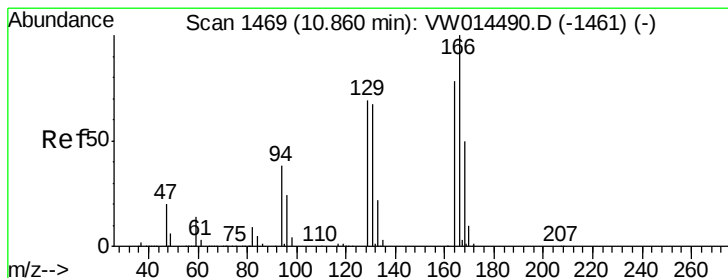
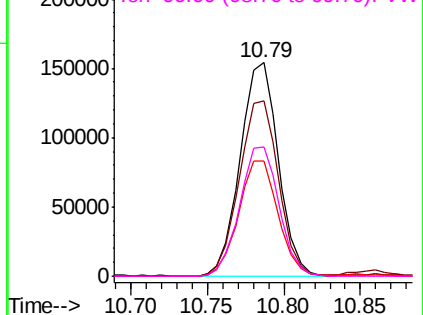


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.359 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Tgt Ion: 164 Resp: 338391

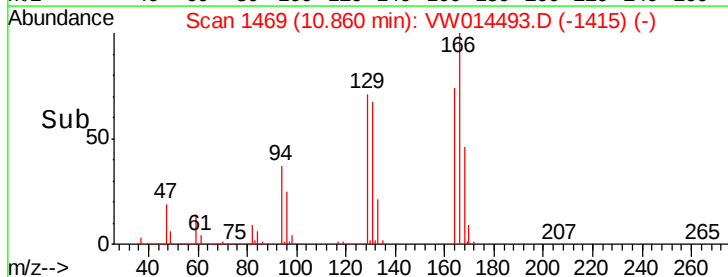
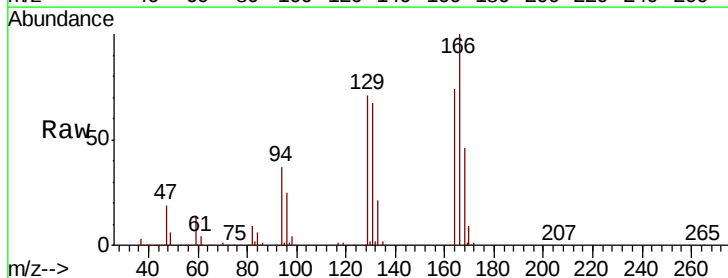
Ion Ratio Lower Upper

164 100

129 96.0 64.0 118.8

131 89.6 60.2 111.8

166 134.3 88.2 163.8

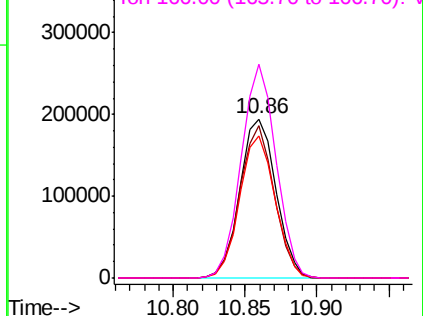


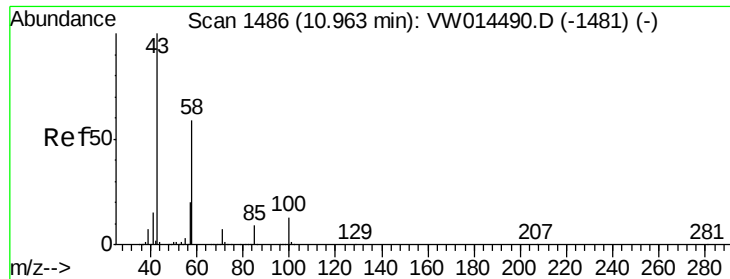
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

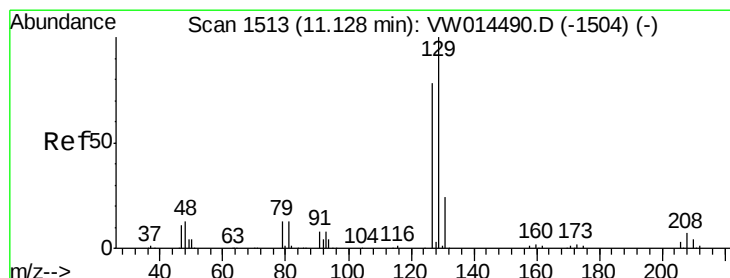
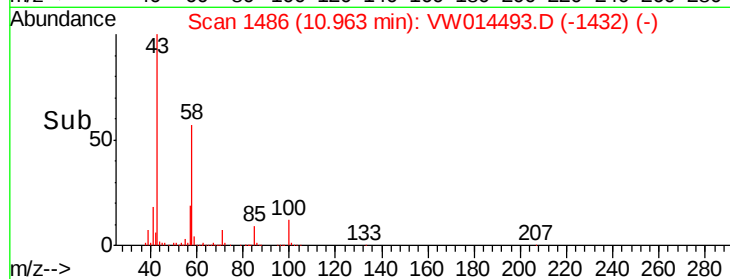
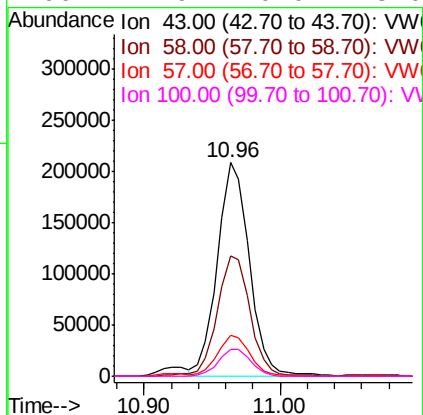
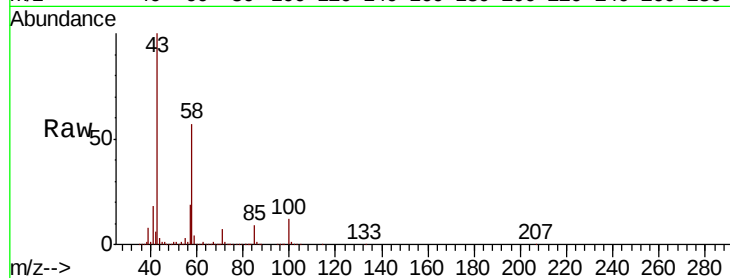




#49
2-Hexanone
Concen: 47.947 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

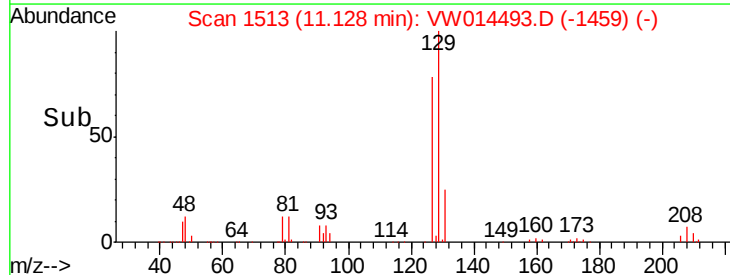
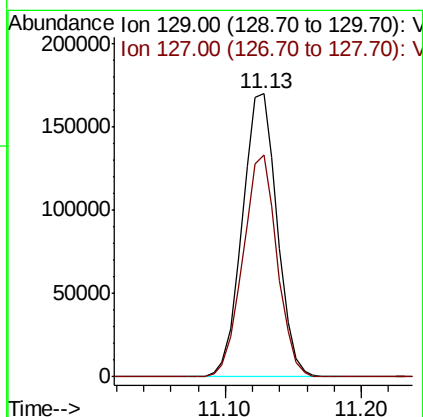
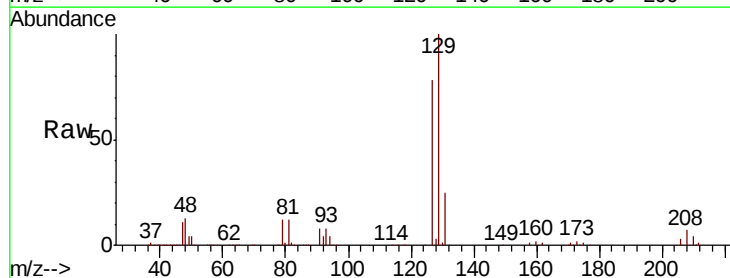
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

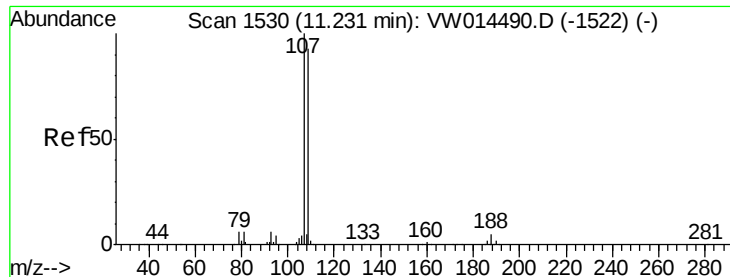
Tot Ion:	43	Resp:	341027
Ion	Ratio	Lower	Upper
43	100		
58	58.2	44.9	67.3
57	19.5	15.3	22.9
100	12.9	10.0	15.0



#50
Dibromochloromethane
Concen: 23.336 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

Tgt Ion:	129	Resp:	304522
Ion	Ratio	Lower	Upper
129	100		
127	78.3	51.1	94.9

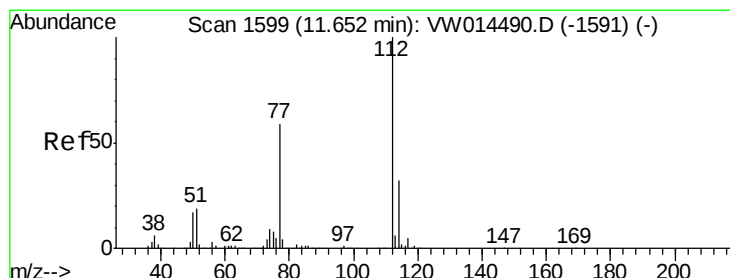
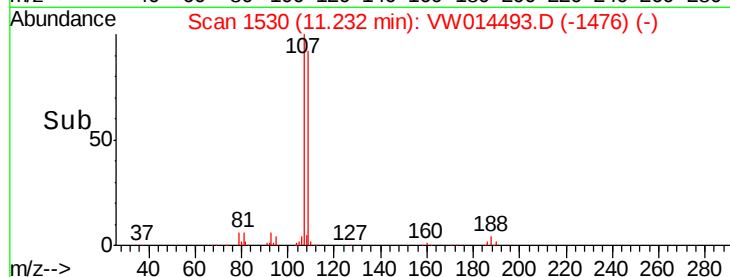
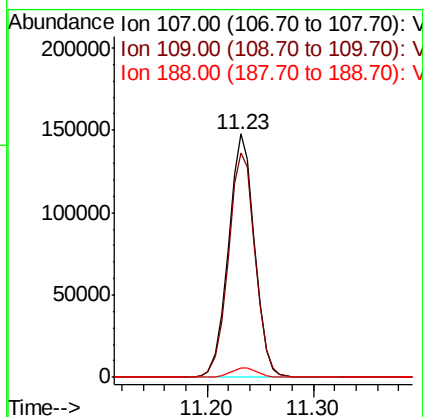
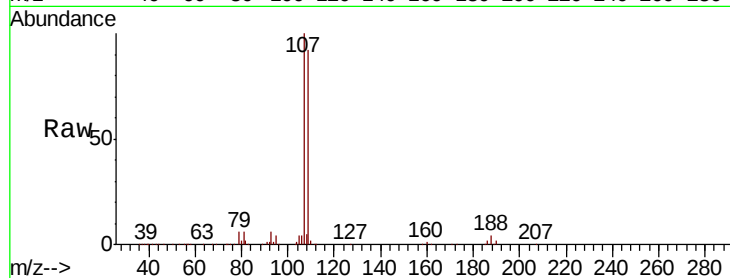




#51
 1,2-Dibromoethane
 Concen: 23.390 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014493.D
 Acq: 28 Dec 2019 13:45

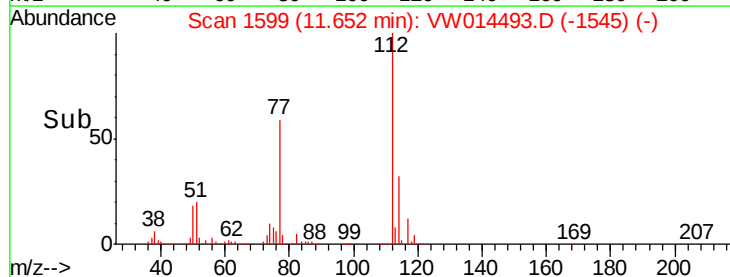
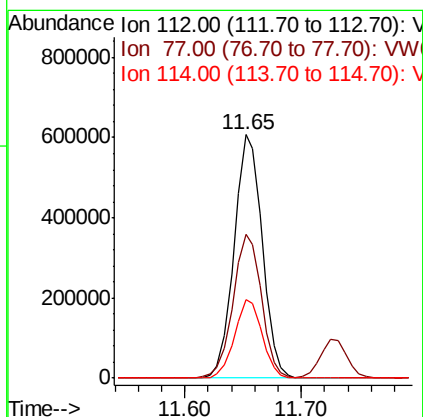
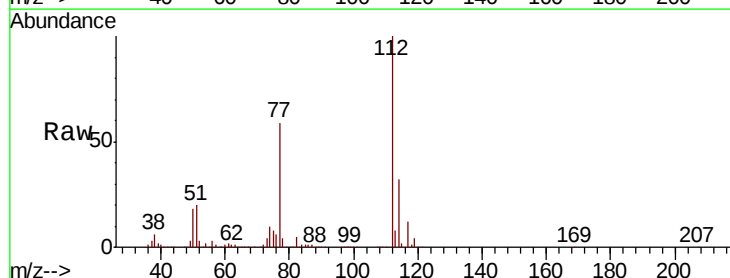
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

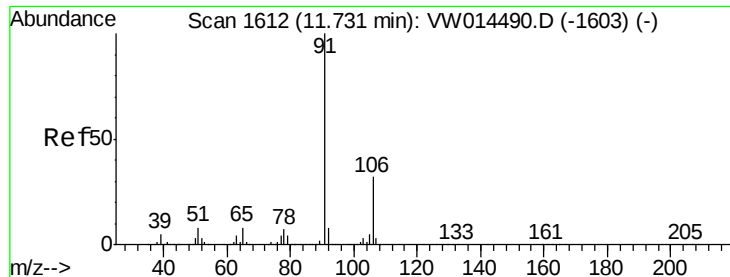
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	64.7	120.1
188	4.0	3.0	4.6



#52
 Chlorobenzene
 Concen: 24.143 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VW014493.D
 Acq: 28 Dec 2019 13:45

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.2	48.2	72.2
114	32.3	22.9	42.5

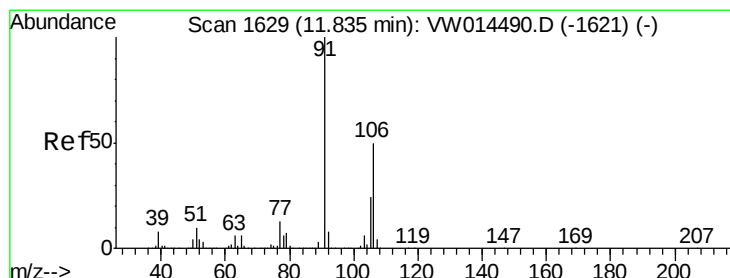
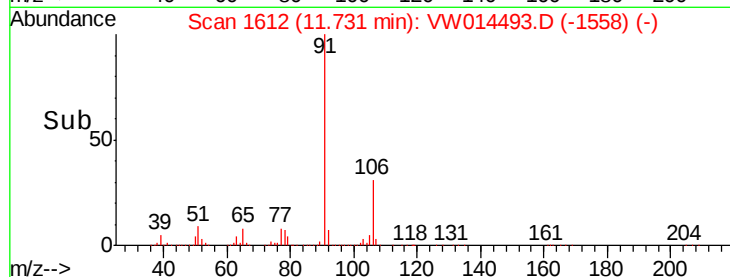
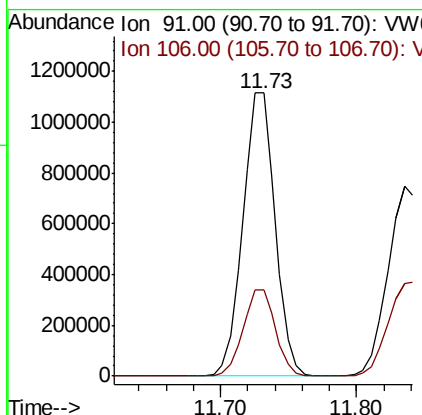
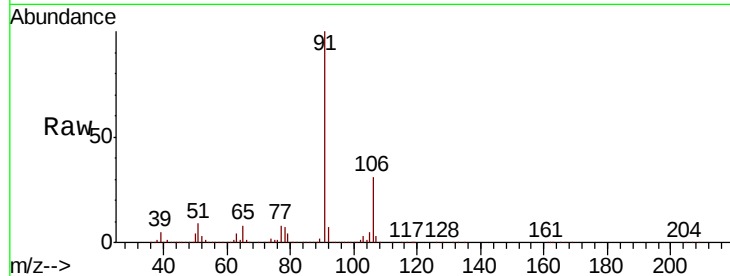




#53
Ethylbenzene
Concen: 25.094 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

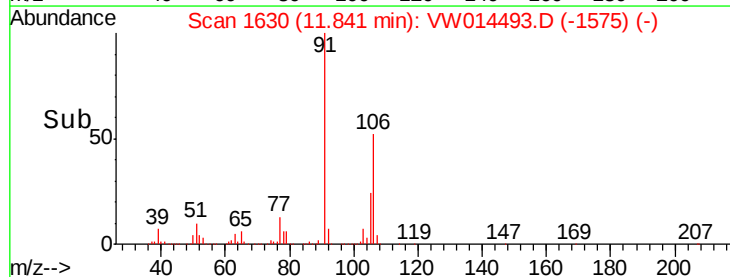
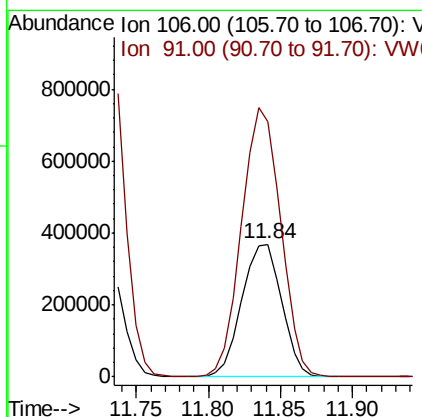
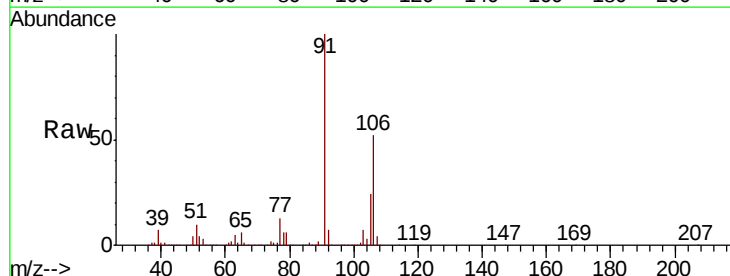
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

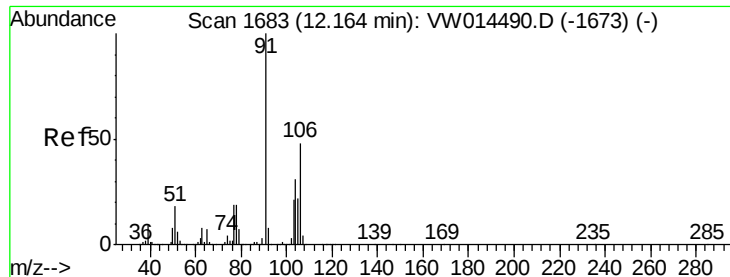
Tot Ion: 91 Resp: 1848289
Ion Ratio Lower Upper
91 100
106 30.7 21.8 40.6



#54
m,p-Xylene
Concen: 25.436 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

Tgt Ion: 106 Resp: 708979
Ion Ratio Lower Upper
106 100
91 192.4 142.2 264.0

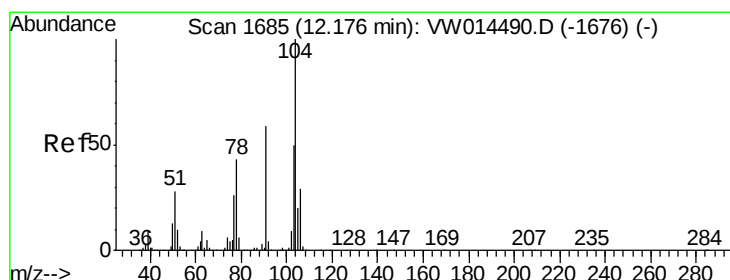
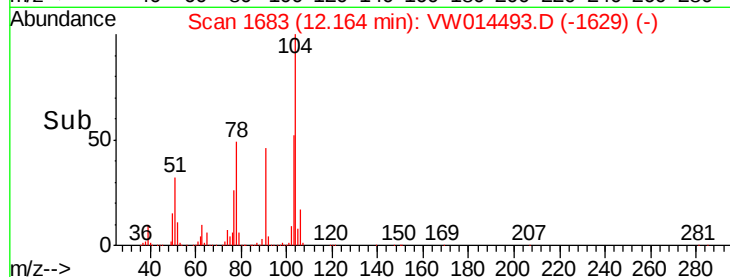
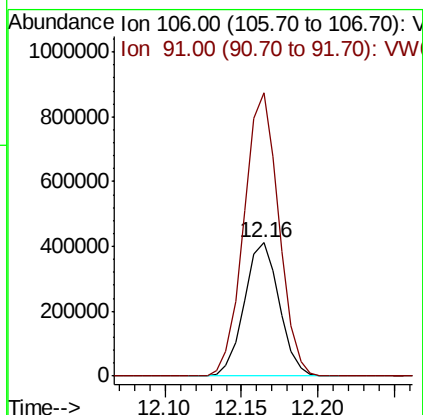
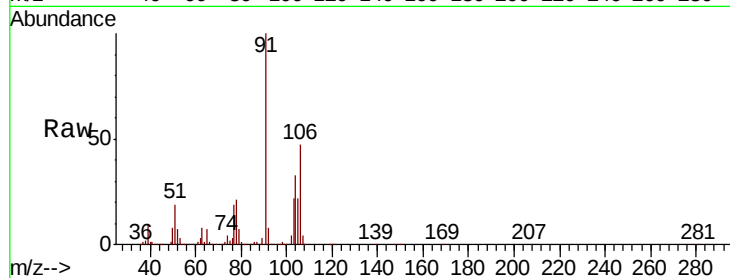




#55
o-xylene
Concen: 24.892 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

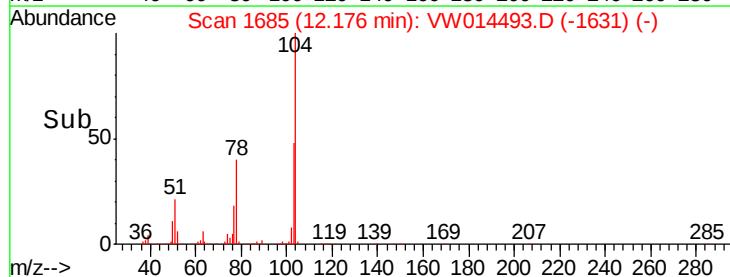
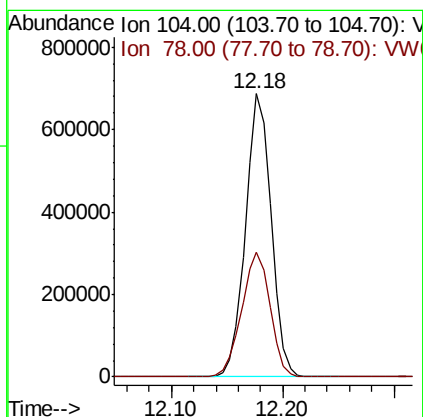
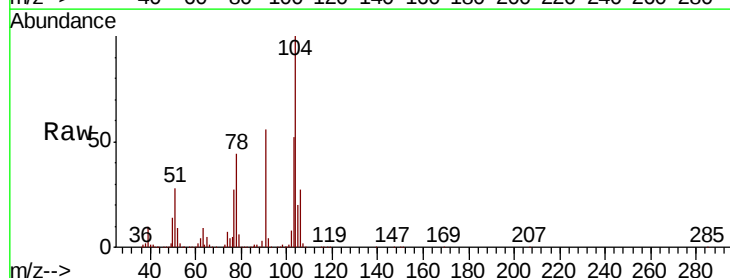
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

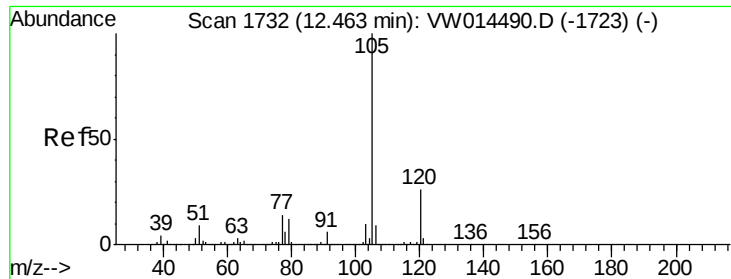
Tot Ion:106 Resp: 655364
Ion Ratio Lower Upper
106 100
91 211.9 148.7 276.1



#56
Styrene
Concen: 24.921 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014493.D
Acq: 28 Dec 2019 13:45

Tgt Ion:104 Resp: 1104304
Ion Ratio Lower Upper
104 100
78 44.2 32.3 60.1





#57

Isopropylbenzene

Concen: 25.598 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampleID :

VSTD02511

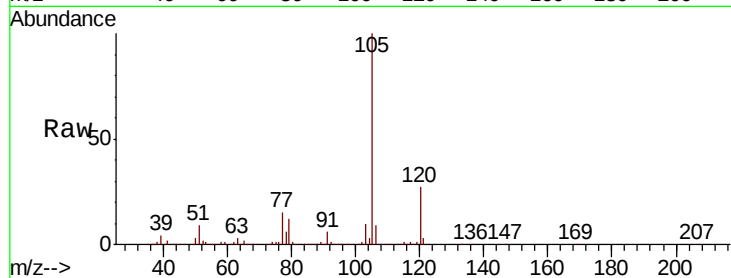
Tot Ion:105 Resp: 1792711

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

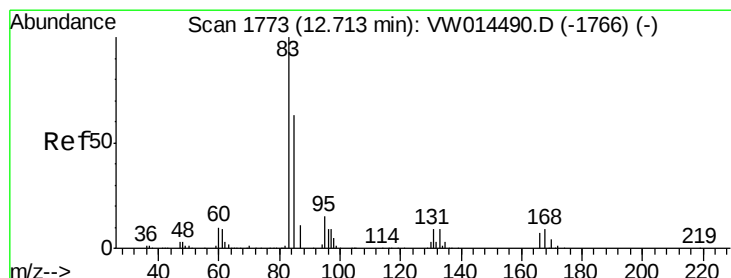
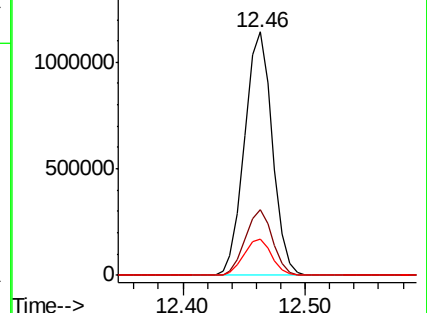
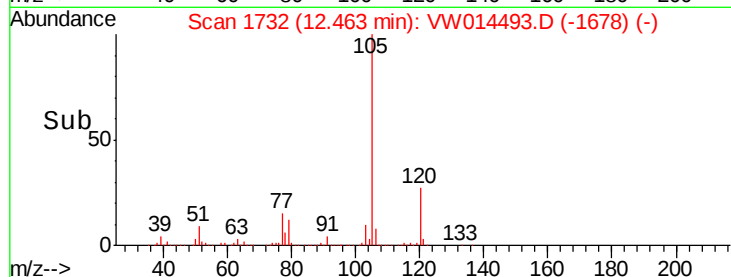
77 15.0 12.2 18.2



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



#58

1,1,2,2-Tetrachloroethane

Concen: 22.308 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

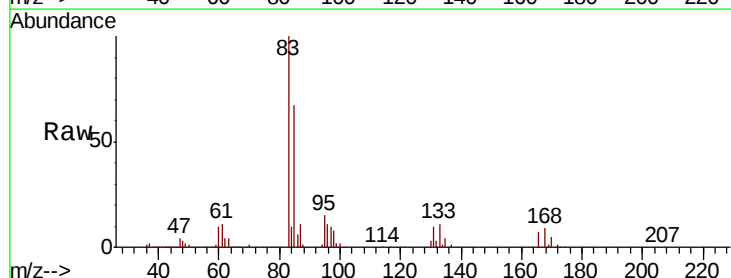
Tgt Ion: 83 Resp: 311285

Ion Ratio Lower Upper

83 100

85 66.7 45.3 84.1

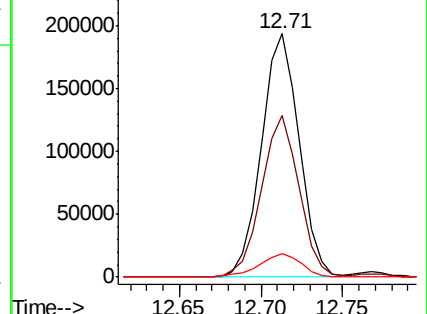
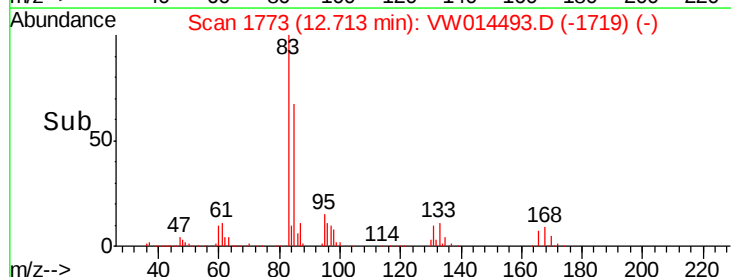
131 9.7 8.0 12.0

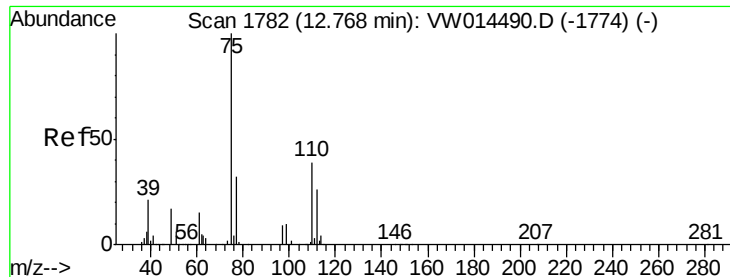


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.224 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

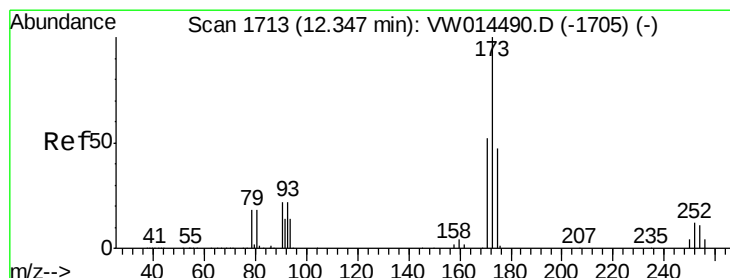
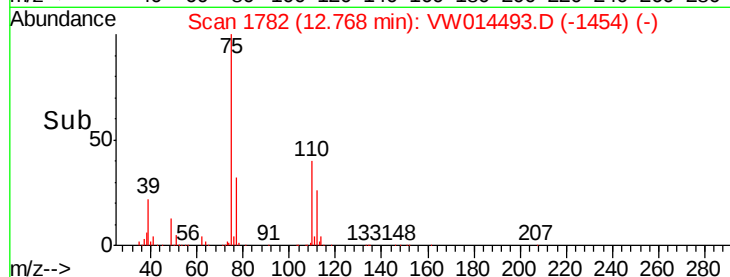
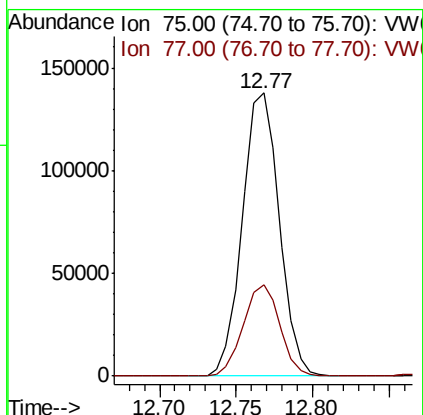
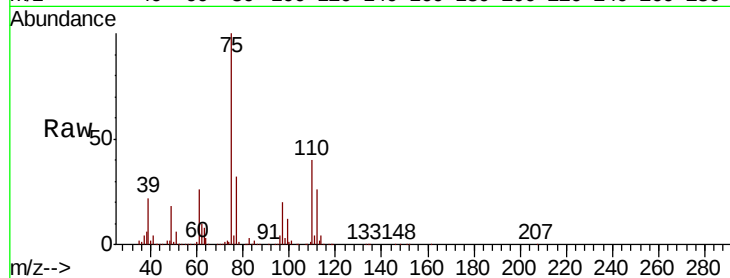
VSTD02511

Tot Ion: 75 Resp: 232309

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2



#62

Bromoform

Concen: 22.881 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

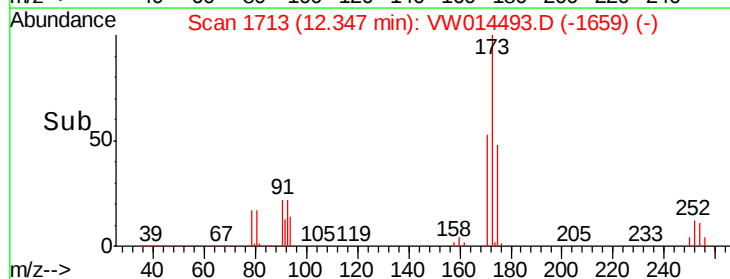
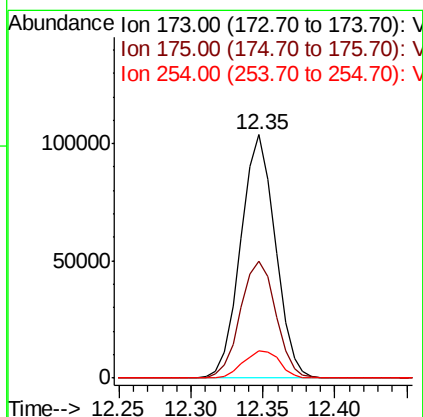
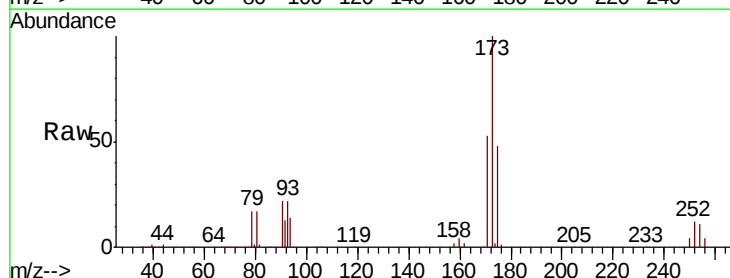
Tgt Ion: 173 Resp: 173022

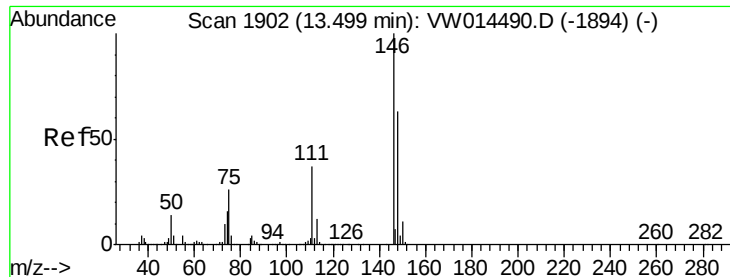
Ion Ratio Lower Upper

173 100

175 49.2 40.5 60.7

254 11.7 9.3 13.9

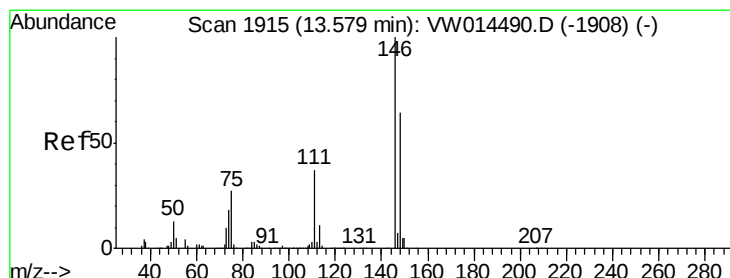
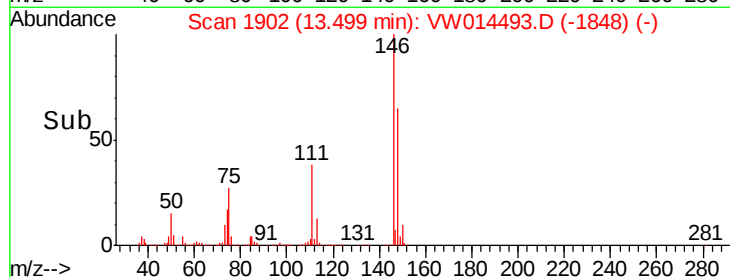
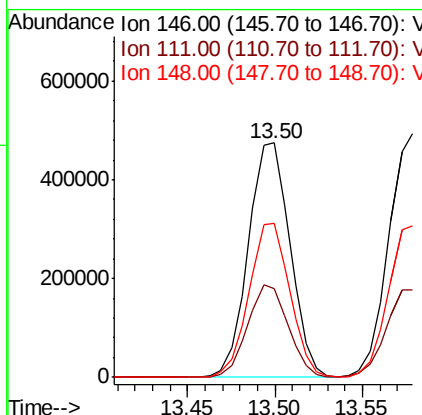
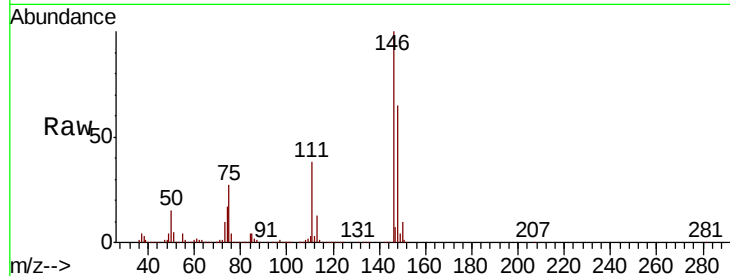




#63
 1,3-Dichlorobenzene
 Concen: 24.663 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014493.D
 Acq: 28 Dec 2019 13:45

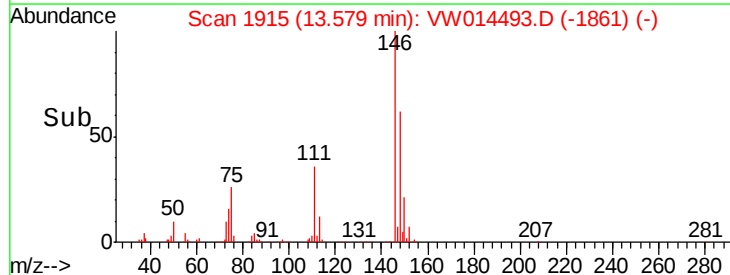
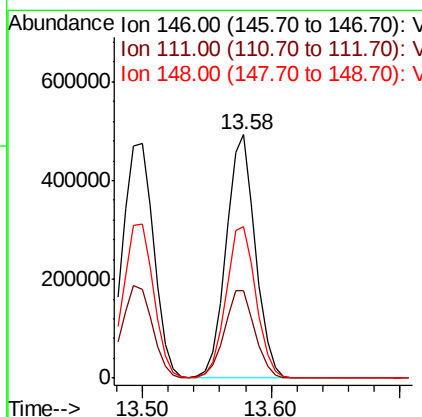
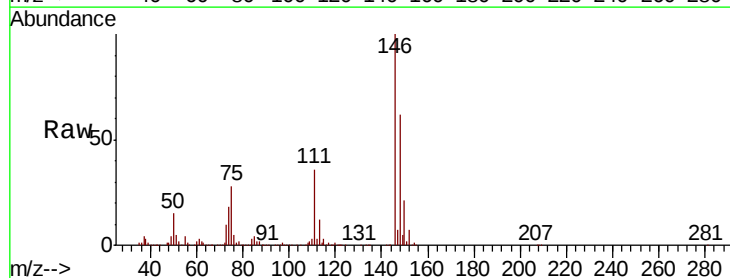
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

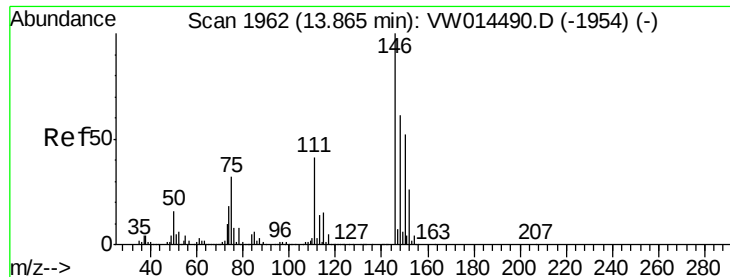
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.9	50.1
148	65.5	45.1	83.7



#64
 1,4-Dichlorobenzene
 Concen: 24.078 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014493.D
 Acq: 28 Dec 2019 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	24.5	45.5
148	62.4	44.4	82.4





#65

1,2-Dichlorobenzene

Concen: 24.487 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

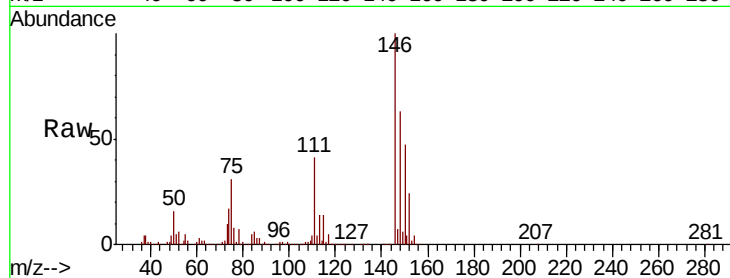
Tot Ion:146 Resp: 703268

Ion Ratio Lower Upper

146 100

111 40.9 34.2 51.2

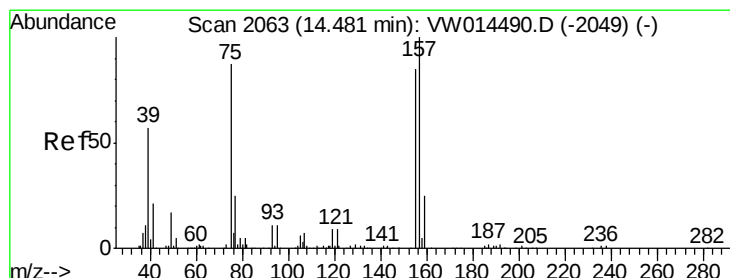
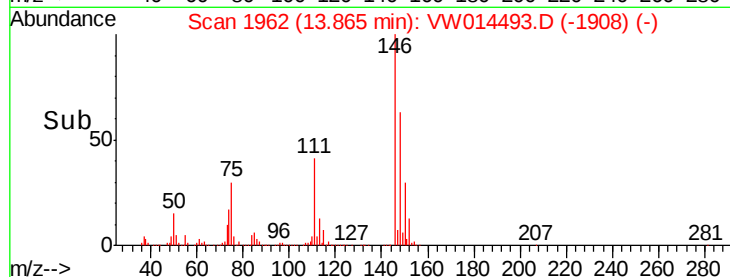
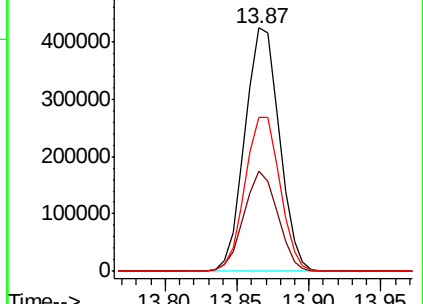
148 63.5 51.8 77.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 21.836 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

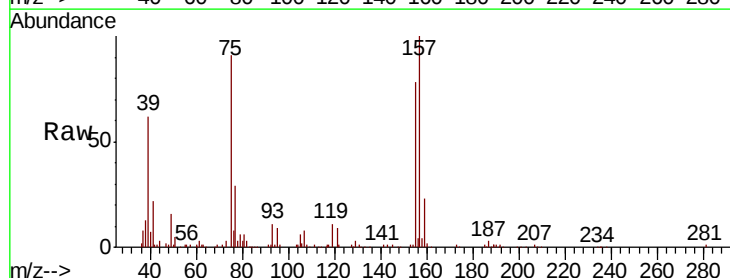
Tgt Ion: 75 Resp: 46440

Ion Ratio Lower Upper

75 100

157 109.7 87.2 130.8

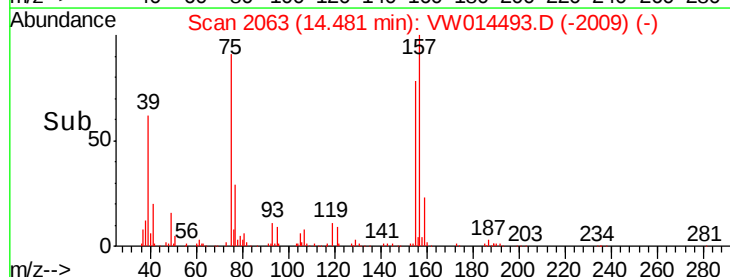
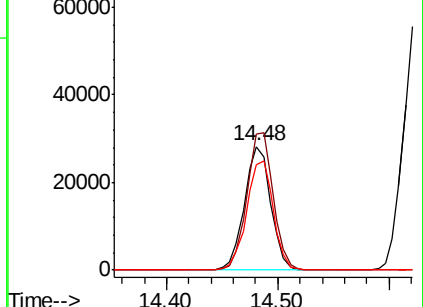
155 85.3 67.8 101.8

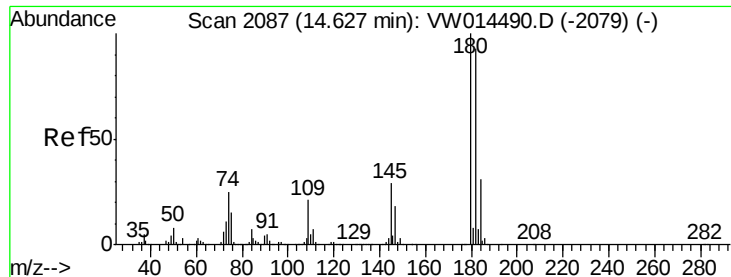


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

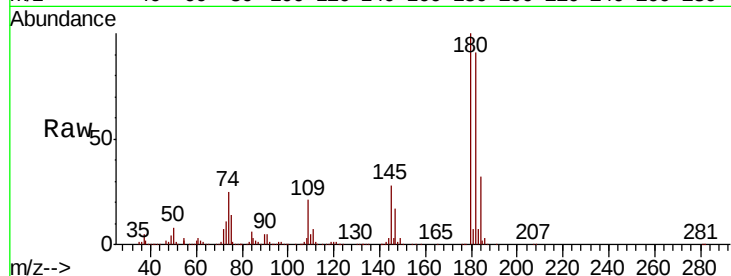




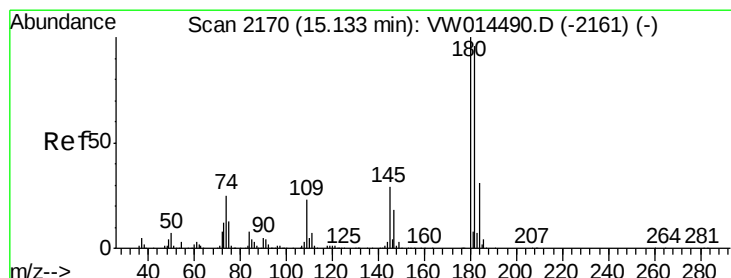
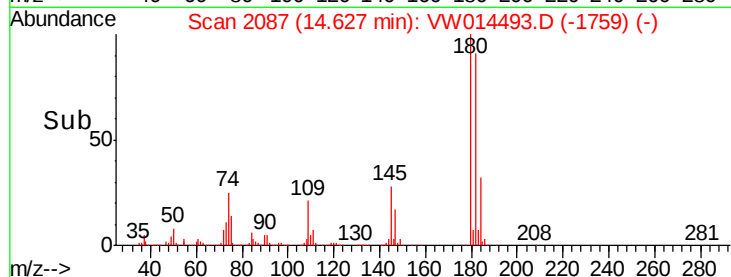
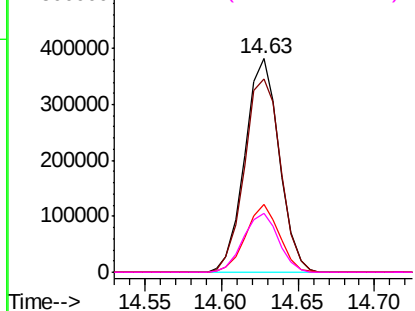
#67
 1,3,5-Trichlorobenzene
 Concen: 25.228 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014493.D
 Acq: 28 Dec 2019 13:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion:180	Resp:	598710
Ion	Ratio	Lower Upper
180	100	
182	95.0	75.8 113.6
184	30.7	24.0 36.0
145	28.1	22.6 33.8

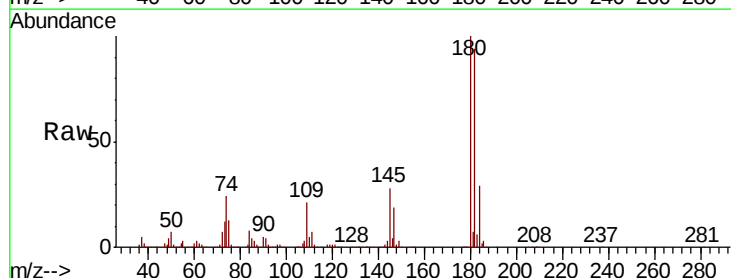


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

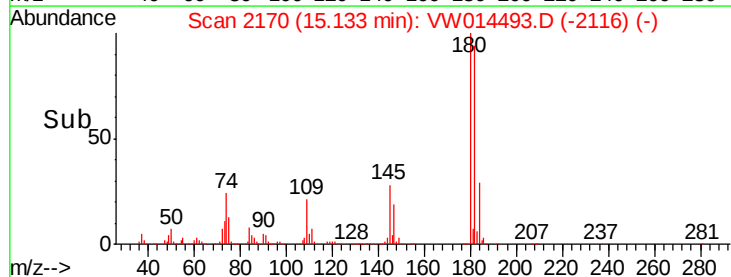
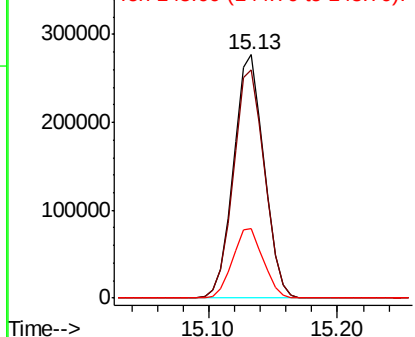


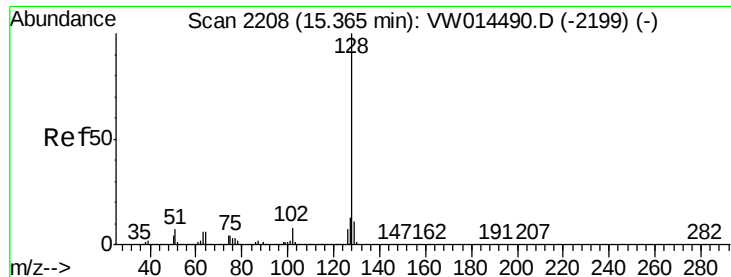
#68
 1,2,4-trichlorobenzene
 Concen: 25.620 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014493.D
 Acq: 28 Dec 2019 13:45

Tgt Ion:180	Resp:	455795
Ion	Ratio	Lower Upper
180	100	
182	95.5	76.2 114.4
145	28.8	23.1 34.7



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





#69

Naphthalene

Concen: 25.434 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

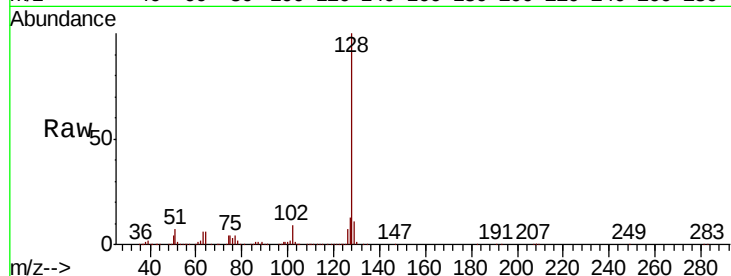
Tot Ion:128 Resp: 781160

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

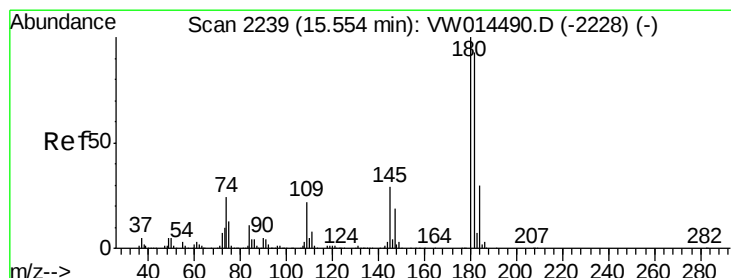
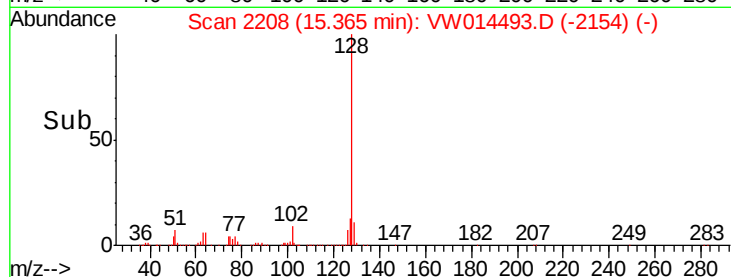
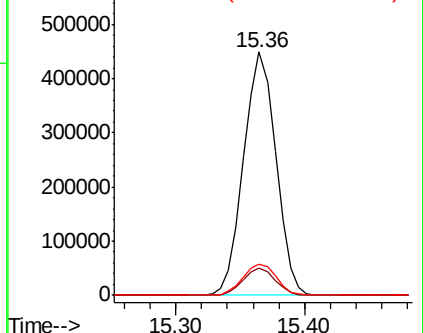
127 13.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.090 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014493.D

Acq: 28 Dec 2019 13:45

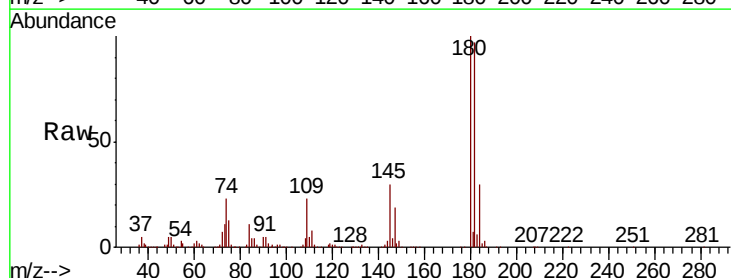
Tgt Ion:180 Resp: 404476

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

145 30.8 24.9 37.3



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

