

Data File : VW014216.D
Acq On : 05 Dec 2019 15:53
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Quant Time: Dec 06 06:46:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 05 14:55:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1259478	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1159171	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	555251	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	494235	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.64%
7) Chloroethane-d5	2.89	69	387867	27.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.40%
10) 1,1-Dichloroethene-d2	4.02	63	883714	26.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.92%
20) 2-Butanone-d5	7.07	46	300496	60.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.92%
24) Chloroform-d	7.65	84	895923	27.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.76%
26) 1,2-Dichloroethane-d4	8.31	65	478043	28.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.72%
29) Benzene-d6	8.27	84	1911614	28.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.56%
33) 1,2-Dichloropropane-d6	9.27	67	595727	28.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.00%
37) Toluene-d8	10.32	98	1742676	28.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.48%
38) trans-1,3-Dichloropropene-	10.57	79	254659	29.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	116.16%
39) 2-Hexanone-d5	10.92	63	248292	59.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	488332	28.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	604321	28.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	273911	22.866 ug/L	100
3) Chloromethane	2.21	50	272242	22.607 ug/L	98
5) Vinyl chloride	2.37	62	430875	24.165 ug/L	92
6) Bromomethane	2.78	94	276567	25.146 ug/L	100
8) Chloroethane	2.92	64	257671	25.295 ug/L	95
9) Trichlorofluoromethane	3.26	101	206251	23.366 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	401024	24.140 ug/L	94
12) 1,1-Dichloroethene	4.04	96	405761	24.125 ug/L	85
13) Acetone	4.12	43	186211	38.860 ug/L	99
14) Carbon disulfide	4.39	76	1265592	24.535 ug/L	98
15) Methyl Acetate	4.67	43	235037	25.932 ug/L	98
16) Methylene chloride	4.92	84	467451	24.211 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	589148	26.563 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	443480	24.622 ug/L	95
19) 1,1-Dichloroethane	6.21	63	805888	24.904 ug/L	99
21) 2-Butanone	7.17	43	308332	47.928 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	486479	25.383 ug/L	99

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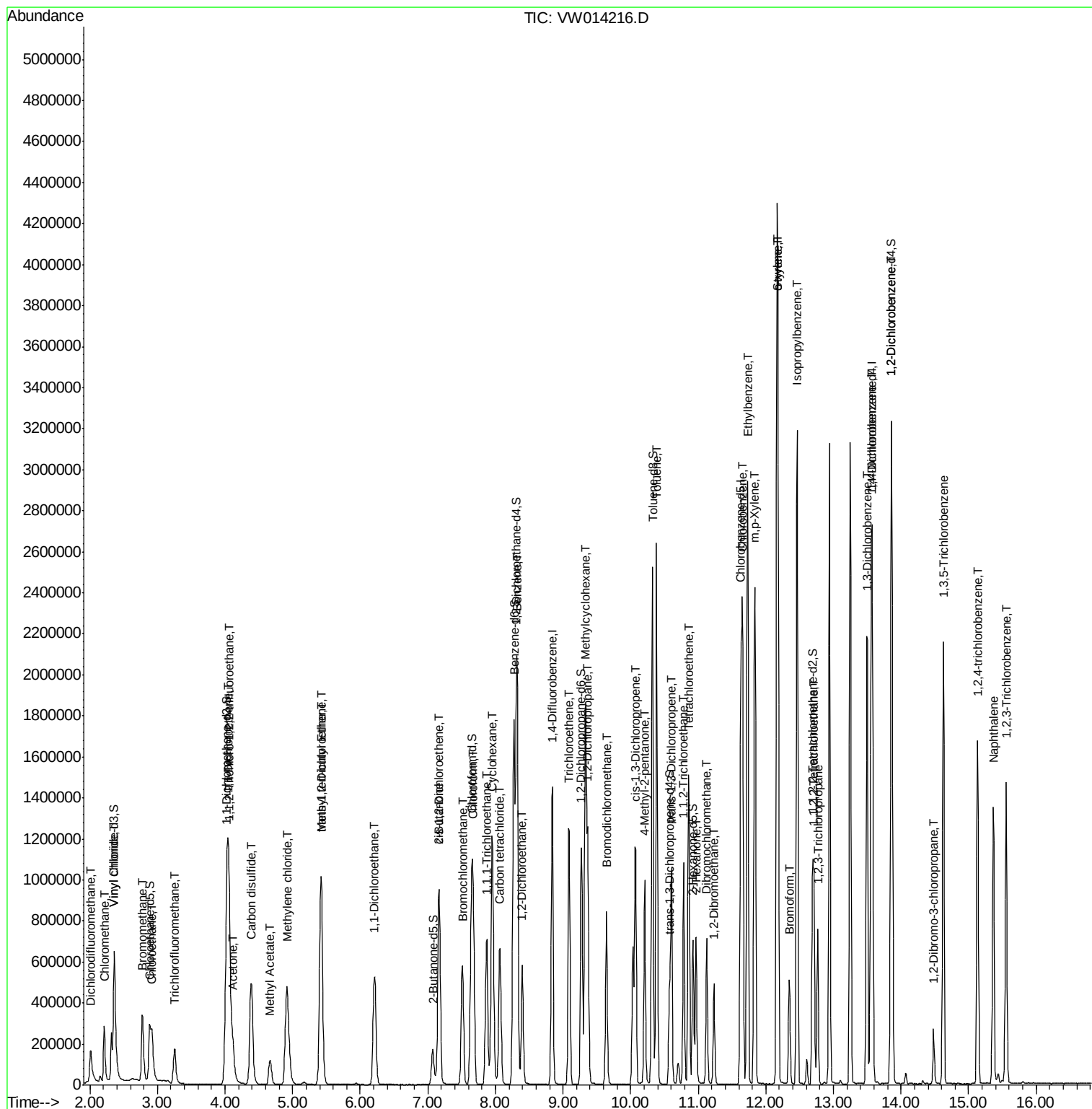
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	222006	25.183	ug/L	87
25) Chloroform	7.67	83	781355	24.848	ug/L	100
27) 1,2-Dichloroethane	8.40	62	516418	25.079	ug/L	98
30) Cyclohexane	7.95	56	743384	25.693	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	575821	24.735	ug/L	98
32) Carbon tetrachloride	8.07	117	535230	24.231	ug/L	99
34) Benzene	8.32	78	1843844	25.122	ug/L	100
35) Trichloroethene	9.09	95	455559	24.259	ug/L	96
36) Methylcyclohexane	9.33	83	796340	25.236	ug/L	98
40) 1,2-Dichloropropane	9.37	63	471371	24.999	ug/L	99
41) Bromodichloromethane	9.64	83	573905	25.045	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	726208	25.717	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	657742	52.899	ug/L	99
44) Toluene	10.38	91	1938738	25.196	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	583575	25.531	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	352350	24.937	ug/L	97
47) Tetrachloroethene	10.86	164	372512	23.800	ug/L	96
49) 2-Hexanone	10.96	43	467016	52.757	ug/L	99
50) Dibromochloromethane	11.13	129	403271	25.430	ug/L	98
51) 1,2-Dibromoethane	11.23	107	338840	25.317	ug/L #	98
52) Chlorobenzene	11.65	112	1224665	24.626	ug/L	94
53) Ethylbenzene	11.73	91	2124500	25.445	ug/L	99
54) m,p-Xylene	11.84	106	825171	25.692	ug/L	99
55) o-xylene	12.16	106	790814	25.959	ug/L	98
56) Styrene	12.18	104	1350244	25.908	ug/L	96
57) Isopropylbenzene	12.46	105	2046744	25.879	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	446485	25.459	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	326185	25.031	ug/L	99
62) Bromoform	12.35	173	242544	25.737	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	967053	25.912	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	937507	24.725	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	891628	25.691	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	68944	25.752	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	700137	26.075	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	573116	27.380	ug/L	98
69) Naphthalene	15.36	128	1176874	29.897	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	546983	27.865	ug/L	99

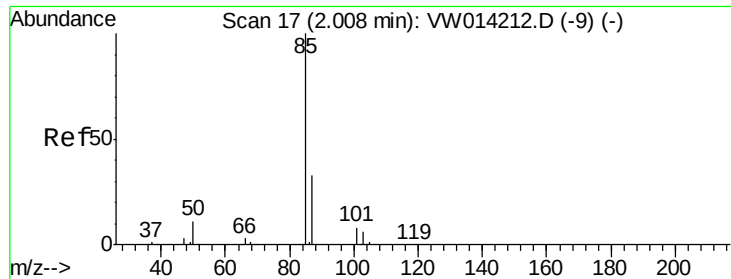
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.866 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

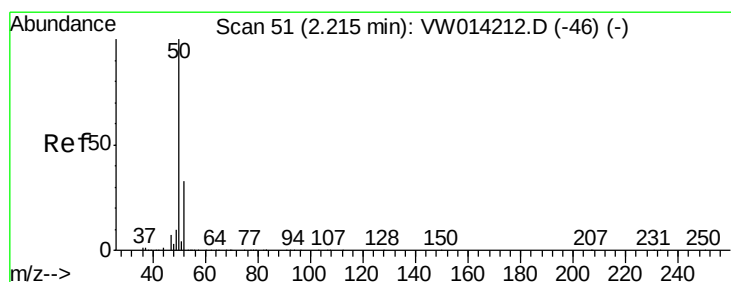
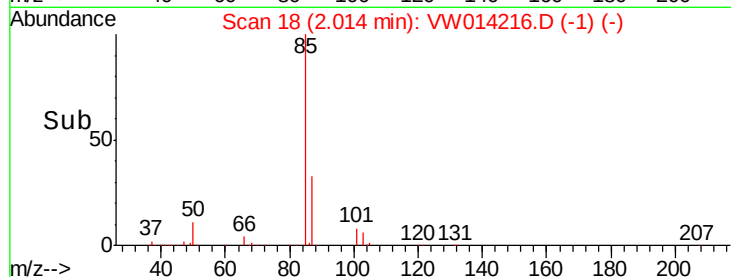
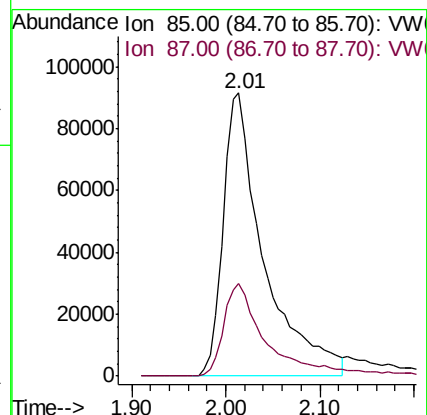
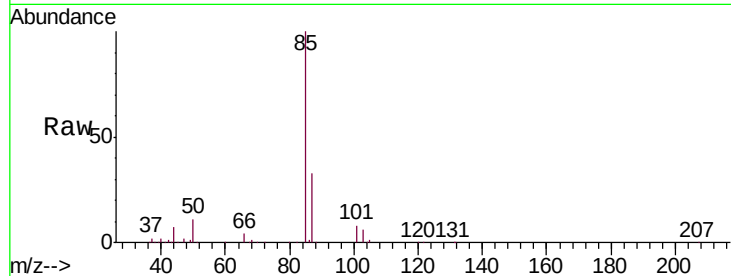
VSTD02529

Tgt Ion: 85 Resp: 273911

Ion Ratio Lower Upper

85 100

87 31.5 22.1 41.1



#3

Chloromethane

Concen: 22.607 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014216.D

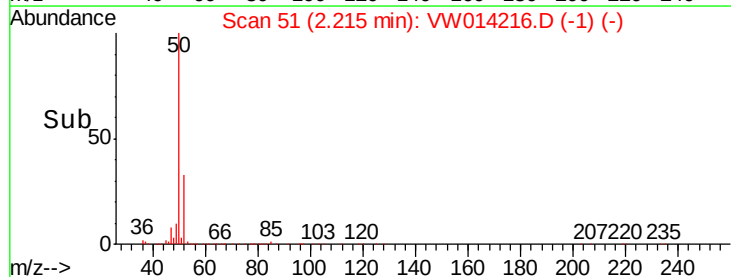
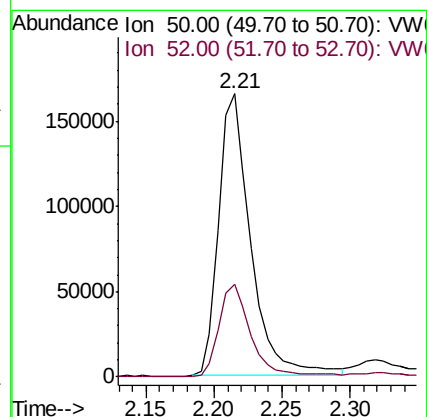
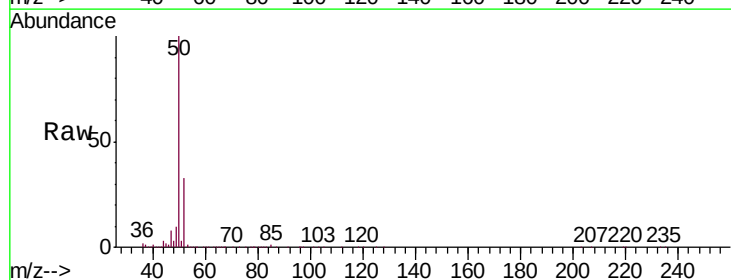
Acq: 05 Dec 2019 15:53

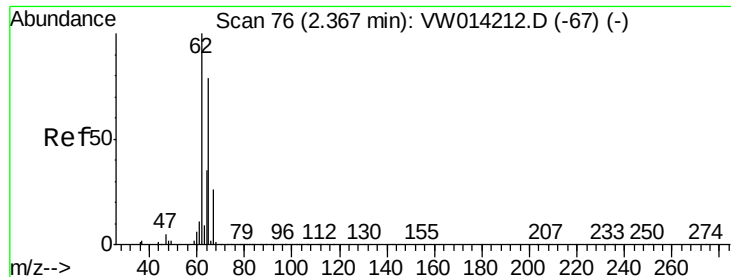
Tgt Ion: 50 Resp: 272242

Ion Ratio Lower Upper

50 100

52 32.9 23.8 44.2





#5

Vinyl chloride

Concen: 24.165 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

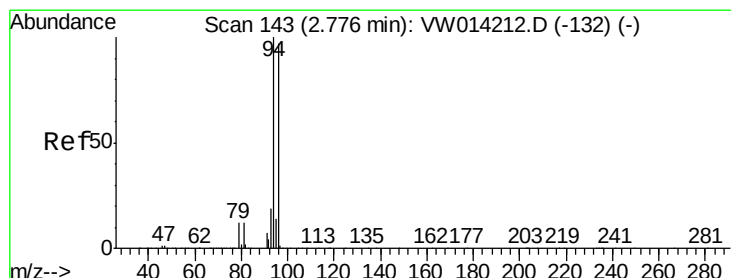
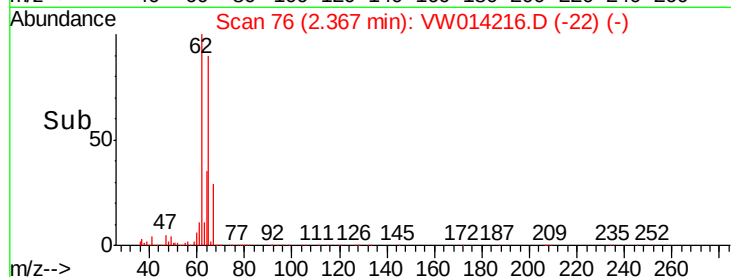
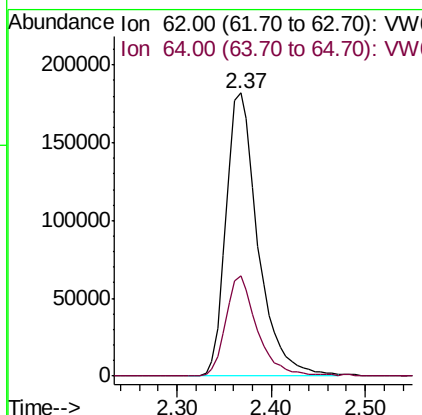
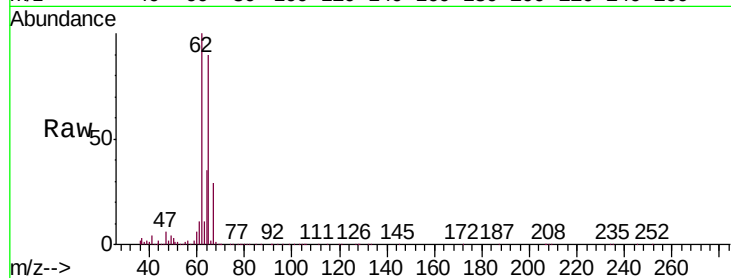
VSTD02529

Tgt Ion: 62 Resp: 430875

Ion Ratio Lower Upper

62 100

64 35.4 21.8 40.4



#6

Bromomethane

Concen: 25.146 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014216.D

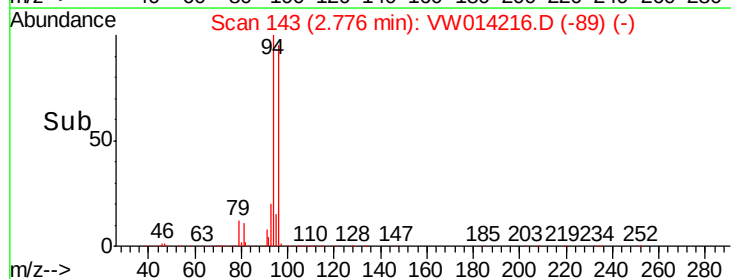
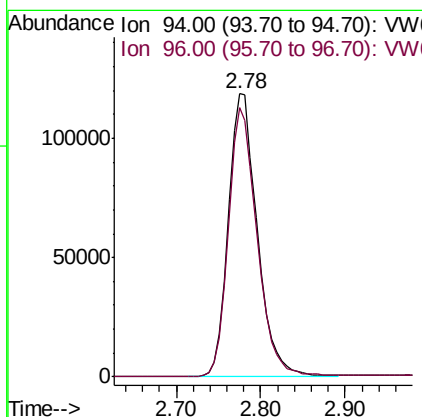
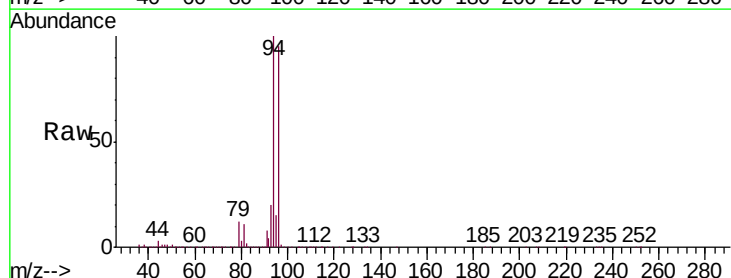
Acq: 05 Dec 2019 15:53

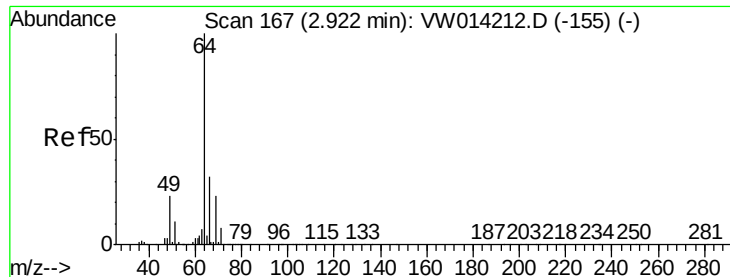
Tgt Ion: 94 Resp: 276567

Ion Ratio Lower Upper

94 100

96 94.4 9.4 178.8





#8

Chloroethane

Concen: 25.295 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

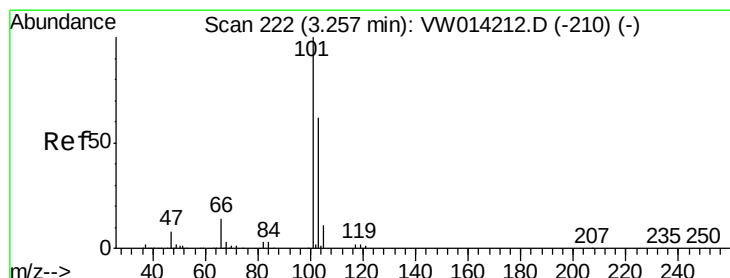
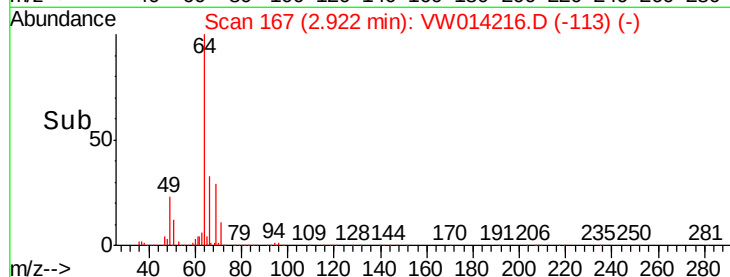
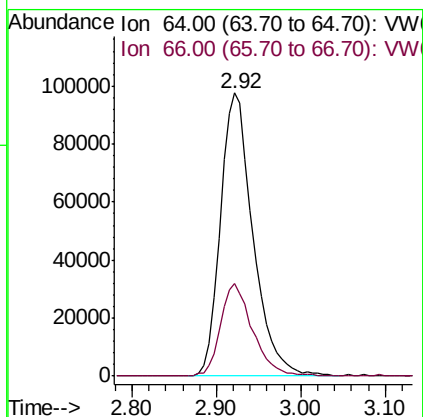
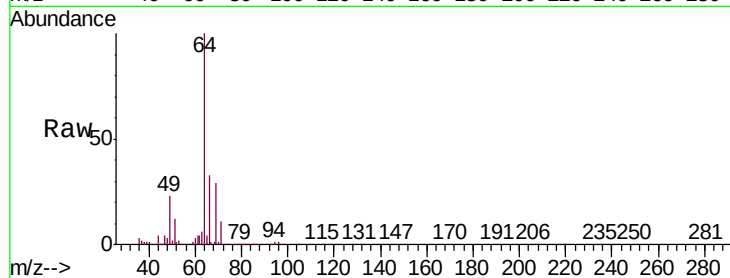
VSTD02529

Tgt Ion: 64 Resp: 257671

Ion Ratio Lower Upper

64 100

66 32.9 21.2 39.4



#9

Trichlorofluoromethane

Concen: 23.366 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014216.D

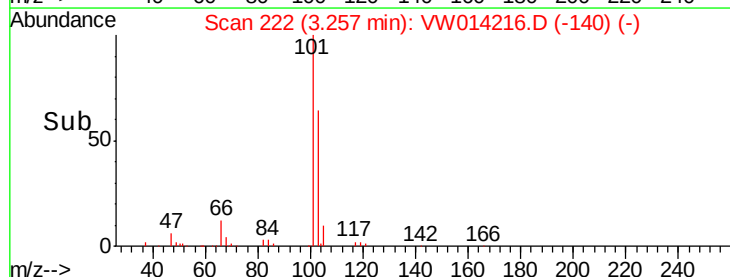
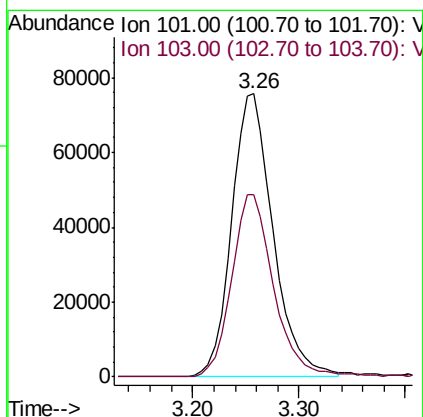
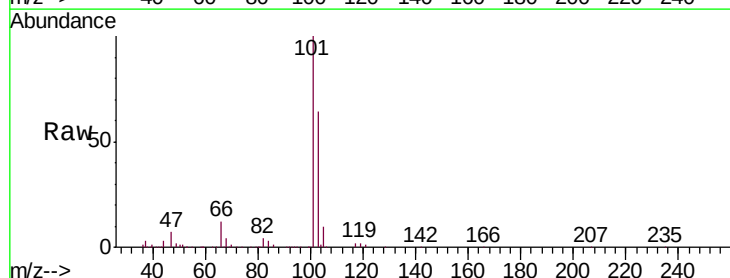
Acq: 05 Dec 2019 15:53

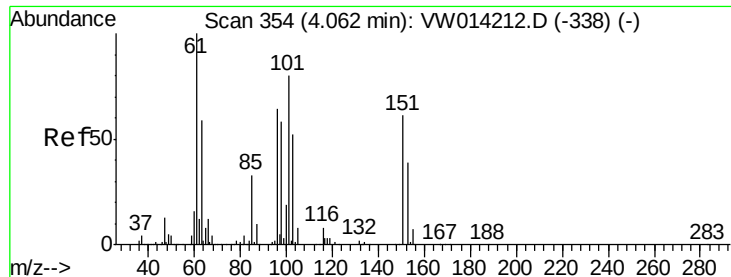
Tgt Ion: 101 Resp: 206251

Ion Ratio Lower Upper

101 100

103 64.8 45.4 84.2





#11

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

Concen: 24.140 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

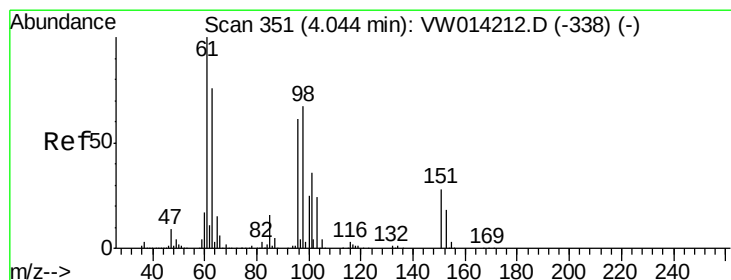
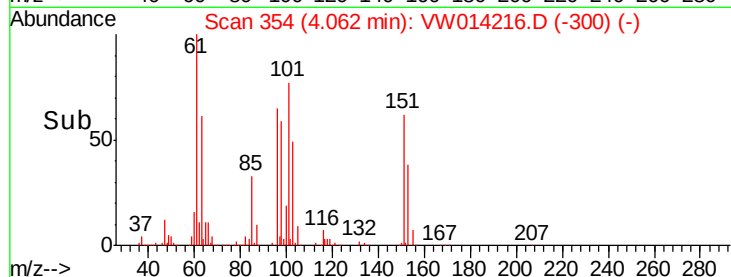
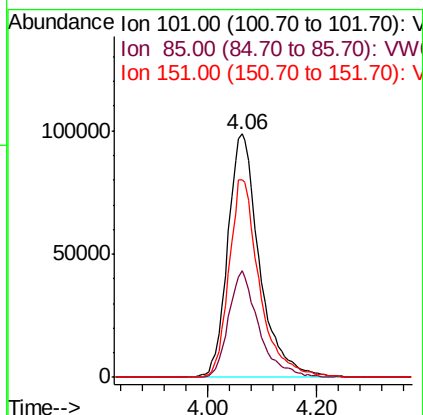
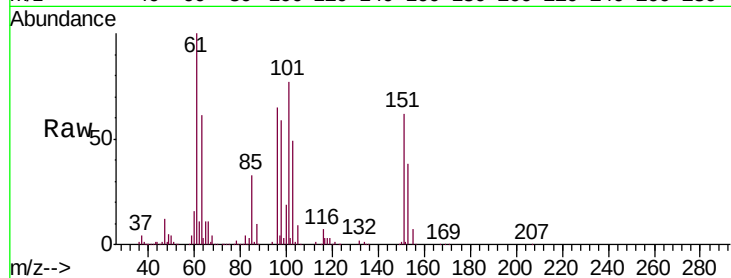
Instrument :

MSVOA_W

ClientSampled :

VSTD02529

Tgt Ion:	101	Resp:	401024
Ion	Ratio	Lower	Upper
101	100		
85	41.2	31.4	47.2
151	77.3	66.9	100.3



#12

1,1-Dichloroethene

Concen: 24.125 ug/L

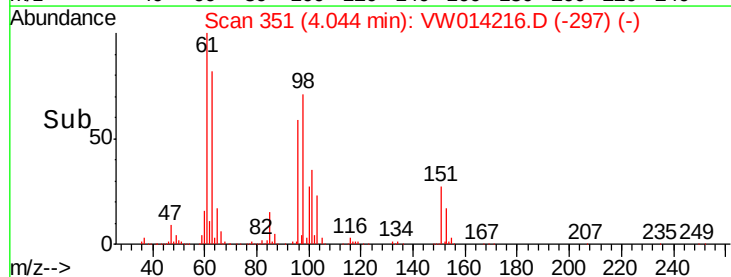
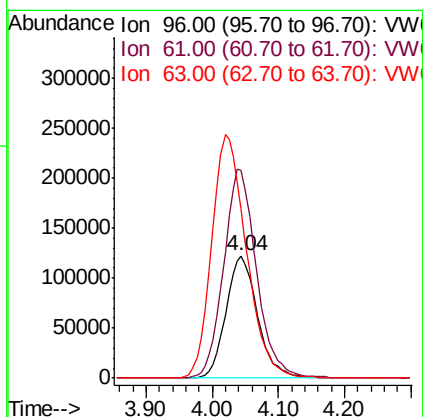
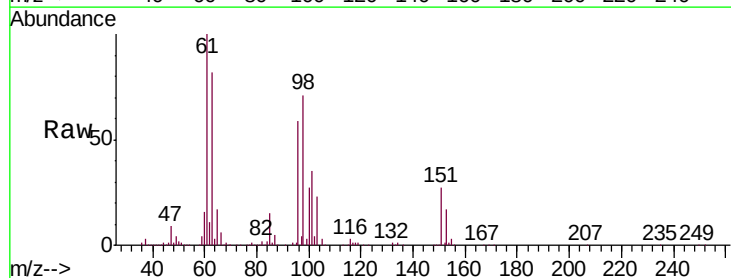
RT: 4.04 min Scan# 351

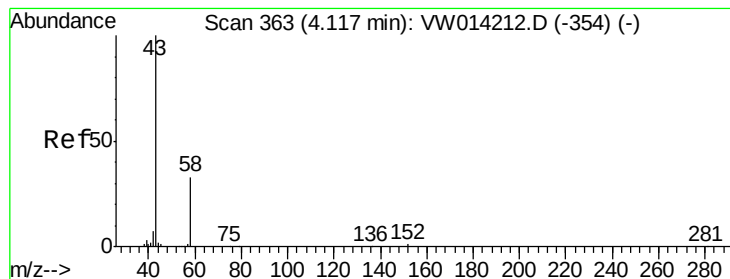
Delta R.T. 0.00 min

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Tgt Ion:	96	Resp:	405761
Ion	Ratio	Lower	Upper
96	100		
61	169.7	109.8	204.0
63	138.5	80.7	149.9





#13

Acetone

Concen: 38.860 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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ClientSampleId :

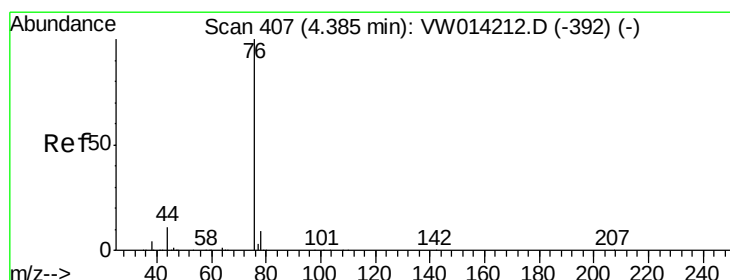
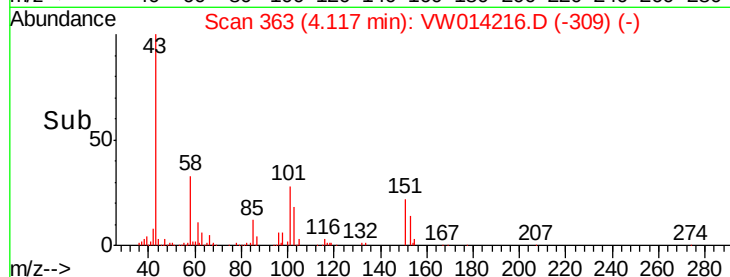
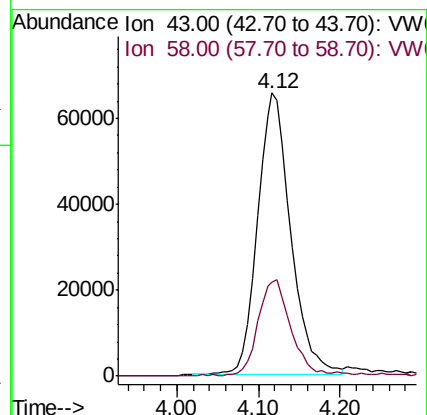
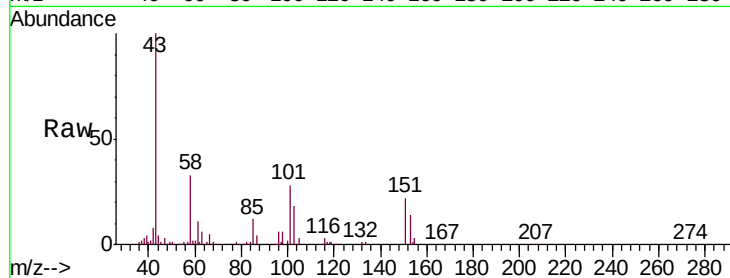
VSTD02529

Tgt Ion: 43 Resp: 186211

Ion Ratio Lower Upper

43 100

58 33.1 0.0 65.4



#14

Carbon disulfide

Concen: 24.535 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014216.D

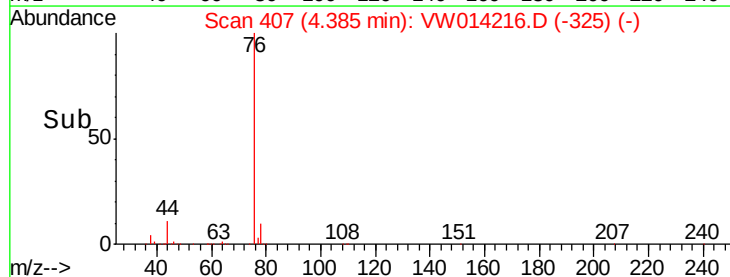
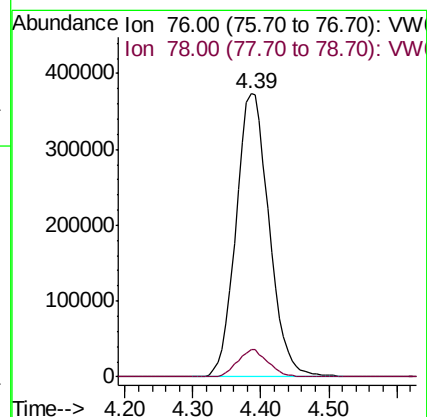
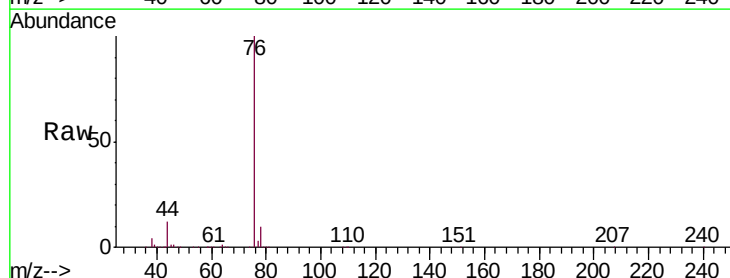
Acq: 05 Dec 2019 15:53

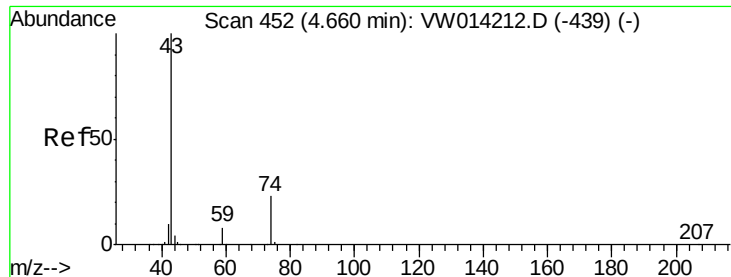
Tgt Ion: 76 Resp: 1265592

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8





#15

Methyl Acetate

Concen: 25.932 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

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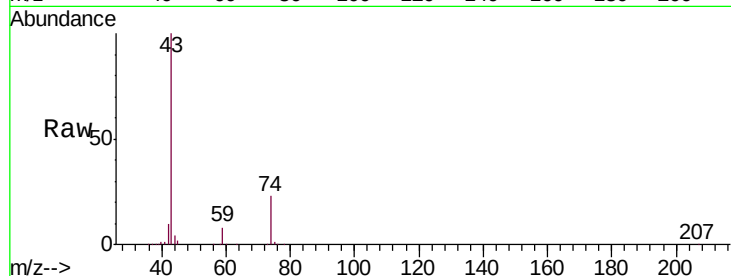
VSTD02529

Tgt Ion: 43 Resp: 235037

Ion Ratio Lower Upper

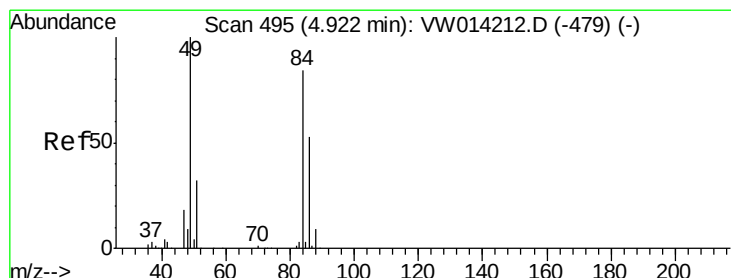
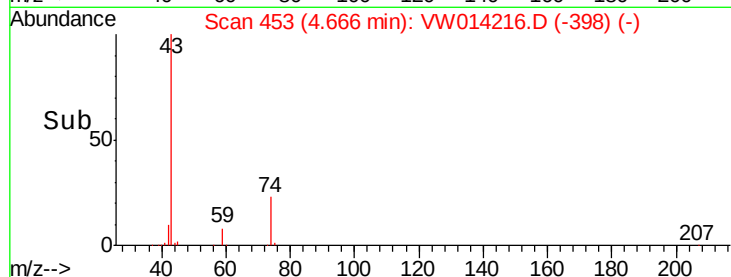
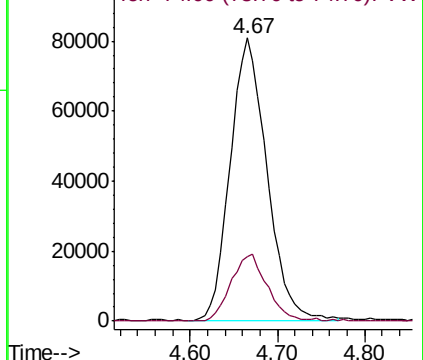
43 100

74 23.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 24.211 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

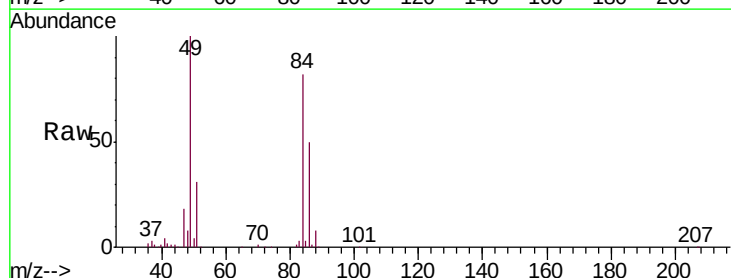
Tgt Ion: 84 Resp: 467451

Ion Ratio Lower Upper

84 100

49 121.2 84.2 156.4

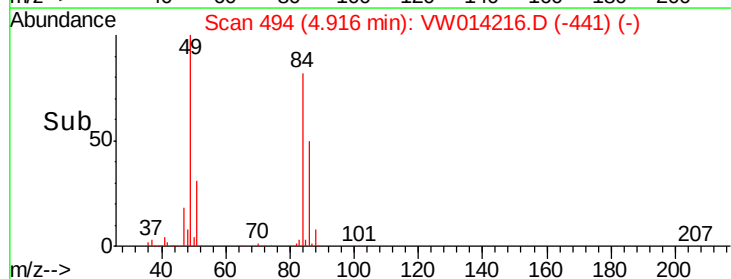
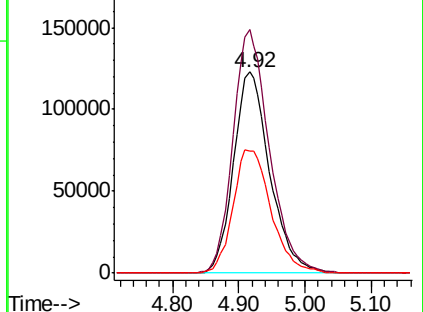
86 60.6 43.7 81.1

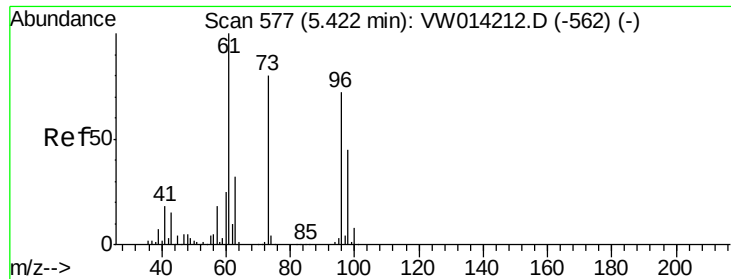


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

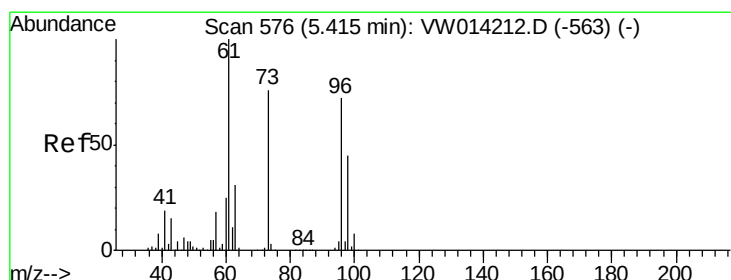
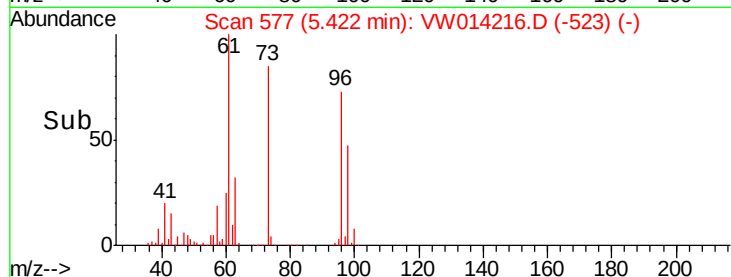
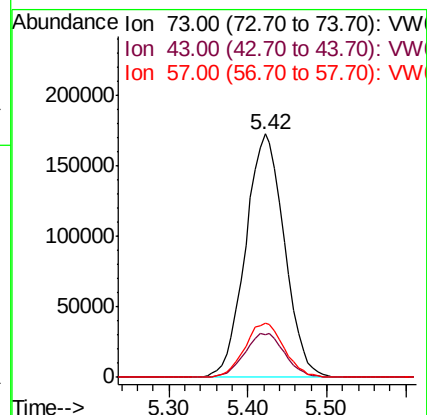
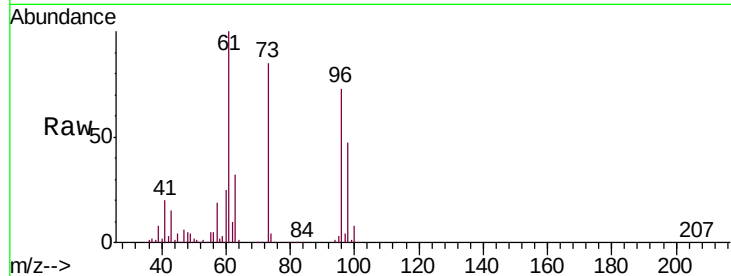




#17
Methyl tert-butyl Ether
Concen: 26.563 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

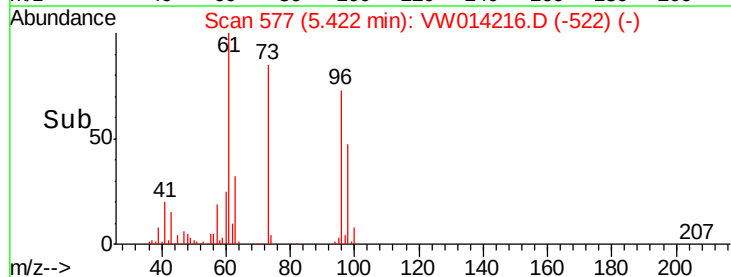
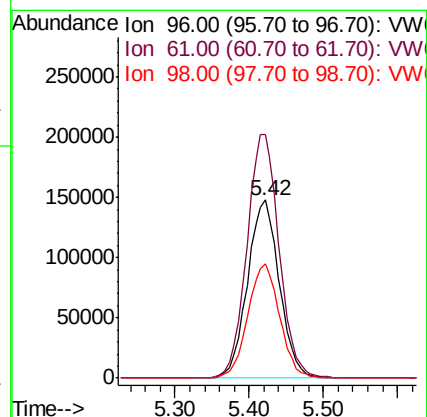
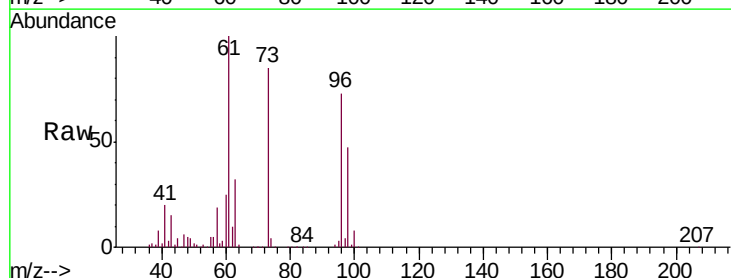
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

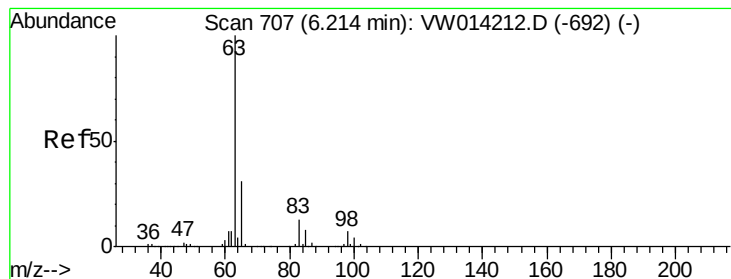
Tgt Ion: 73 Resp: 589148
Ion Ratio Lower Upper
73 100
43 18.5 15.5 23.3
57 22.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 24.622 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

Tgt Ion: 96 Resp: 443480
Ion Ratio Lower Upper
96 100
61 136.8 90.6 168.2
98 64.0 42.9 79.7





#19

1,1-Dichloroethane

Concen: 24.904 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

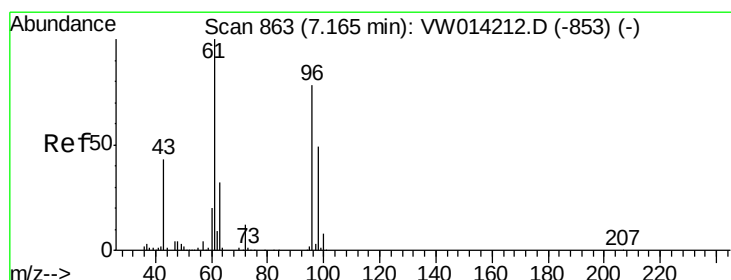
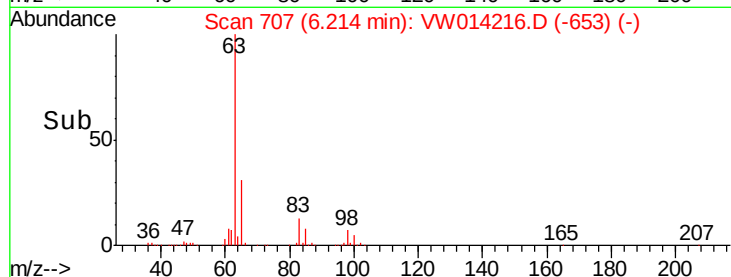
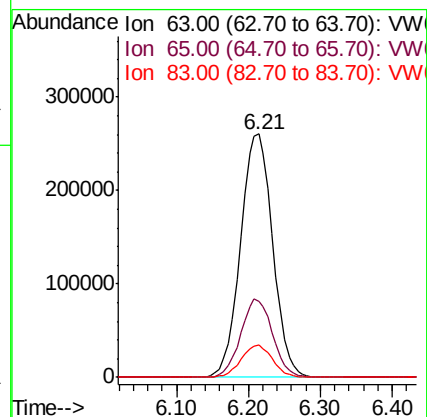
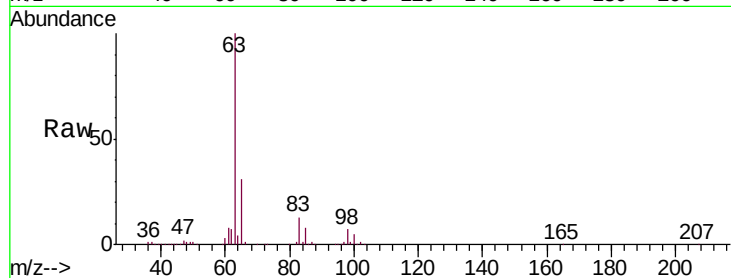
Tgt Ion: 63 Resp: 805888

Ion Ratio Lower Upper

63 100

65 31.0 22.1 41.1

83 13.2 9.0 16.6



#21

2-Butanone

Concen: 47.928 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014216.D

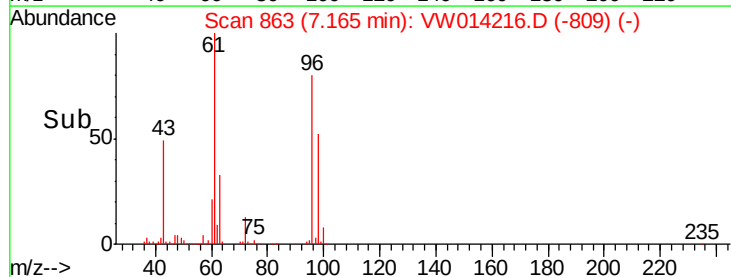
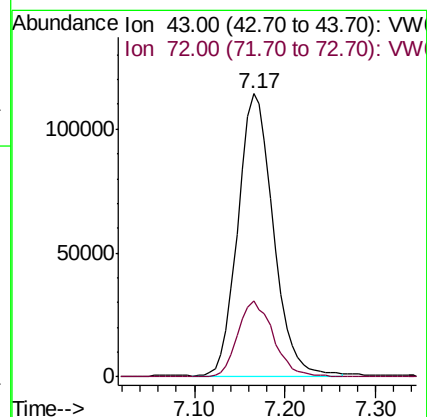
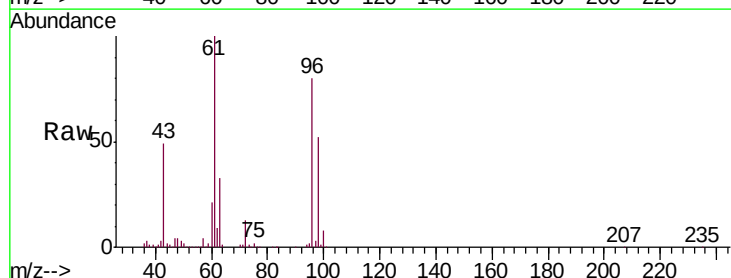
Acq: 05 Dec 2019 15:53

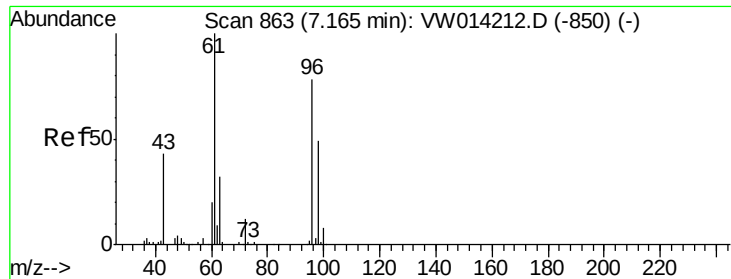
Tgt Ion: 43 Resp: 308332

Ion Ratio Lower Upper

43 100

72 26.8 14.1 42.2



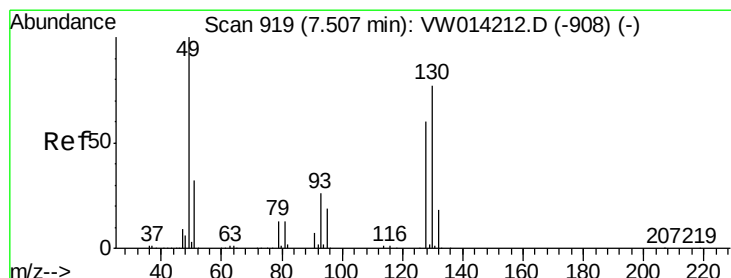
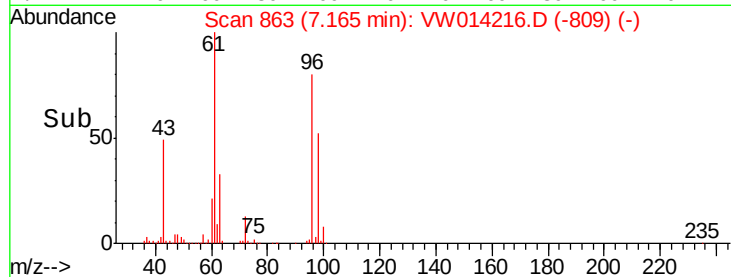
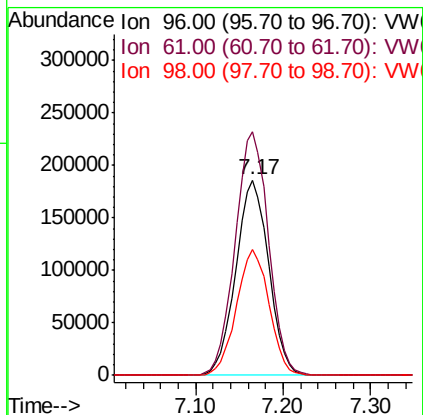
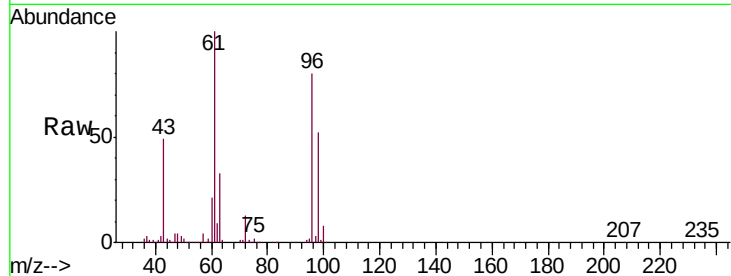


#22

cis-1,2-Dichloroethene
Concen: 25.383 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

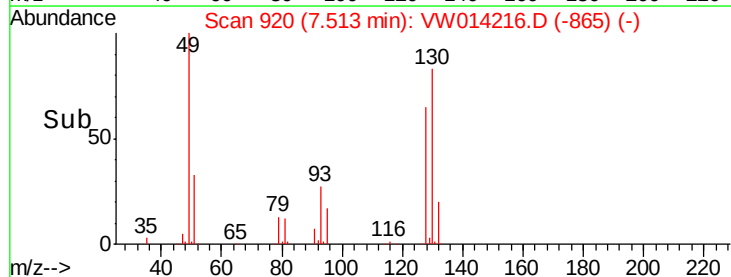
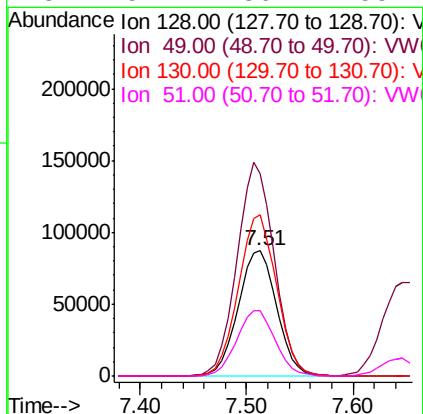
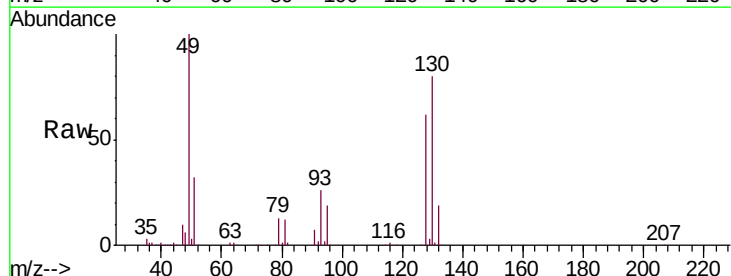
Tgt Ion: 96 Resp: 486479
Ion Ratio Lower Upper
96 100
61 124.7 86.9 161.5
98 64.4 45.5 84.5

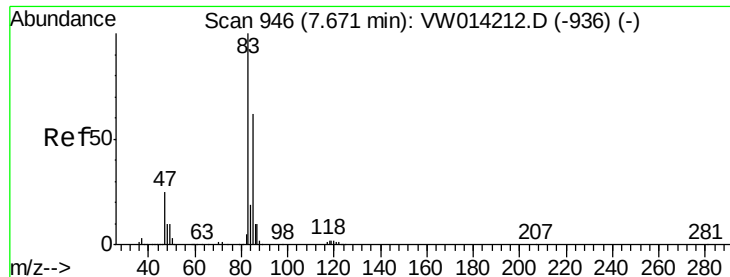


#23

Bromochloromethane
Concen: 25.183 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

Tgt Ion: 128 Resp: 222006
Ion Ratio Lower Upper
128 100
49 160.9 95.1 176.5
130 128.4 85.0 158.0
51 52.2 36.7 55.1

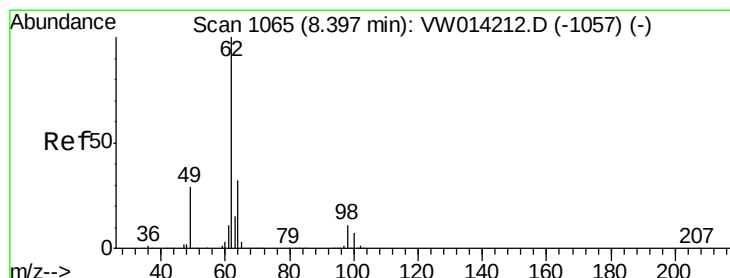
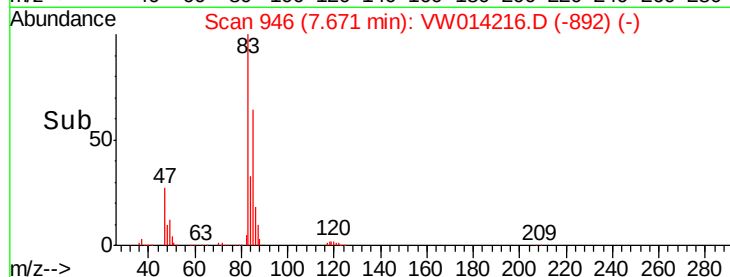
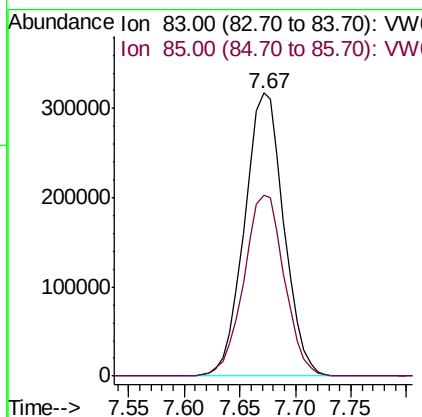
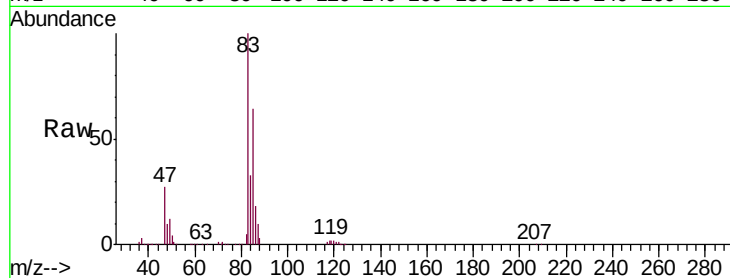




#25
Chloroform
Concen: 24.848 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

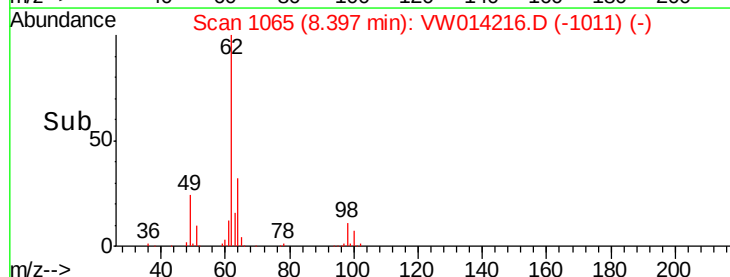
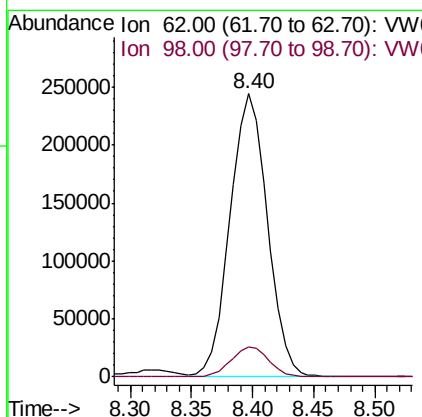
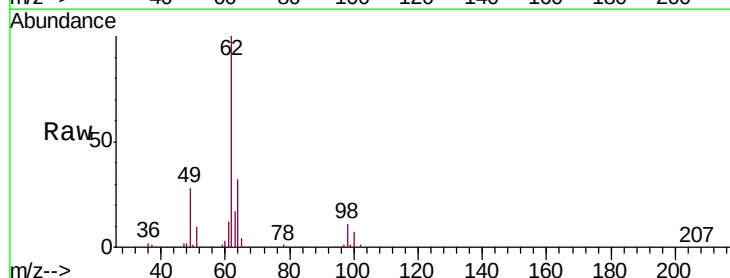
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

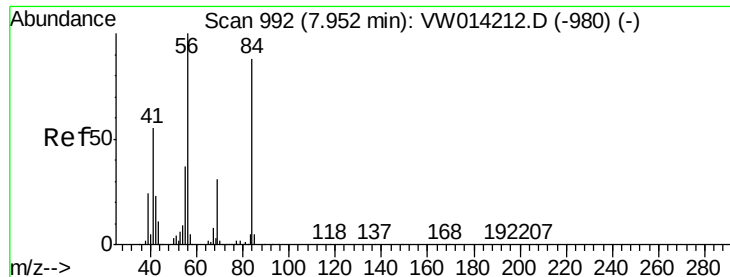
Tgt Ion: 83 Resp: 781355
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 25.079 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

Tgt Ion: 62 Resp: 516418
Ion Ratio Lower Upper
62 100
98 10.7 9.3 13.9

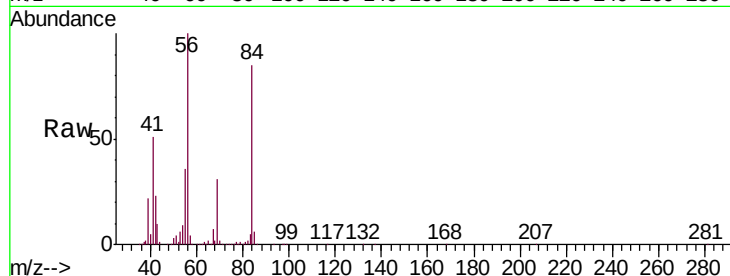




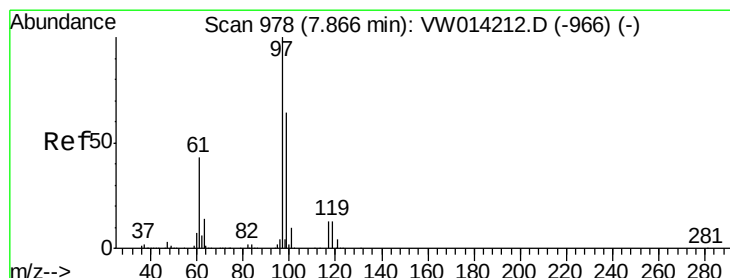
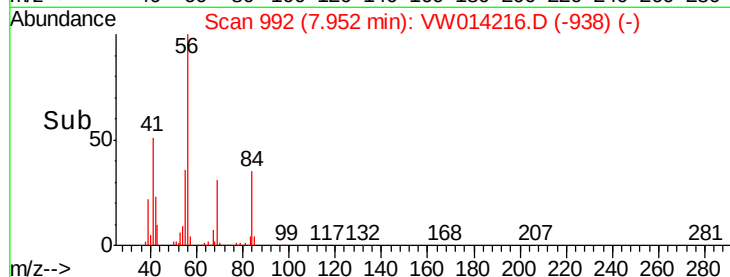
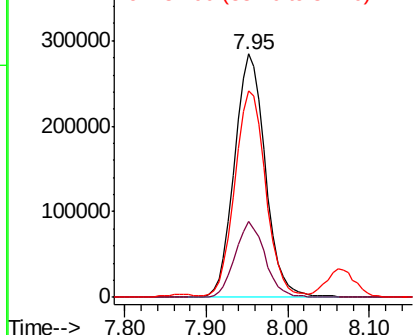
#30
Cyclohexane
Concen: 25.693 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Tgt Ion: 56 Resp: 743384
Ion Ratio Lower Upper
56 100
69 30.4 24.6 37.0
84 85.3 70.2 105.2

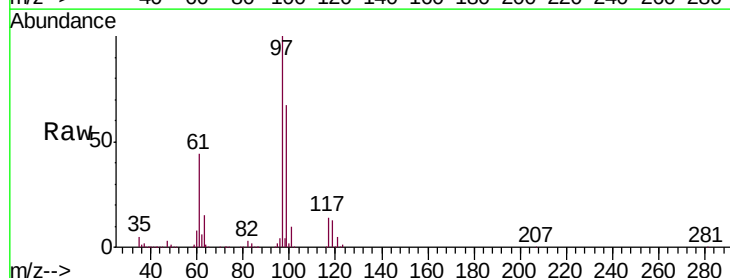


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

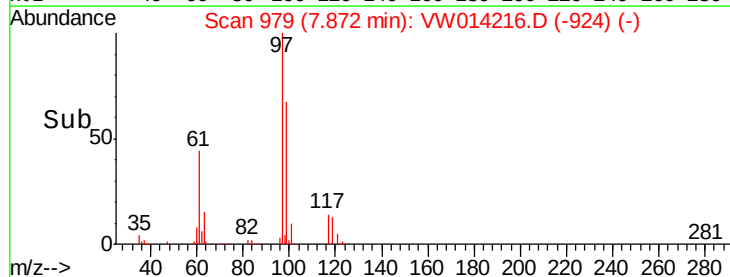
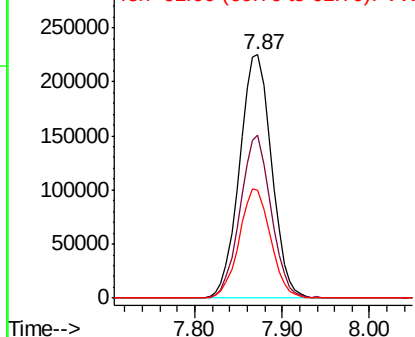


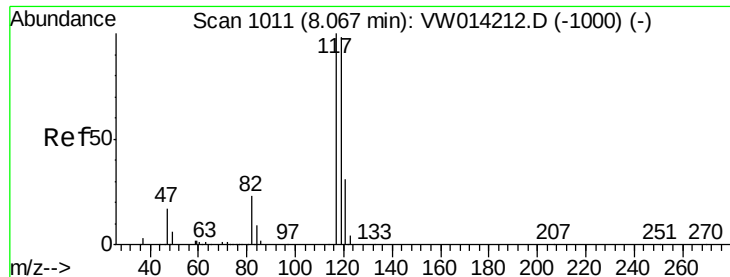
#31
1,1,1-Trichloroethane
Concen: 24.735 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

Tgt Ion: 97 Resp: 575821
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 43.9 32.8 49.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.231 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

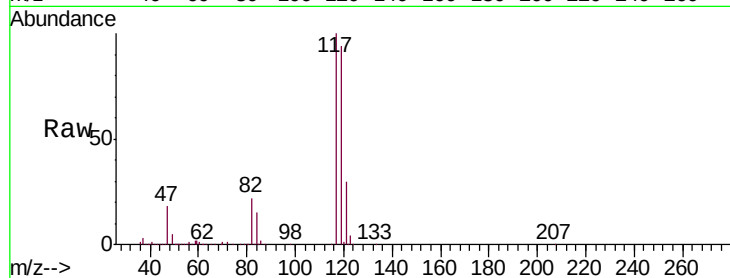
VSTD02529

Tgt Ion:117 Resp: 535230

Ion Ratio Lower Upper

117 100

119 96.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

250000

200000

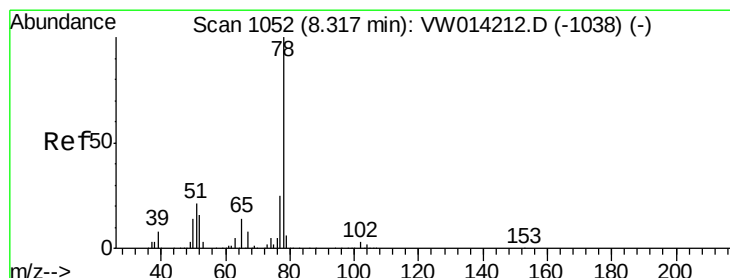
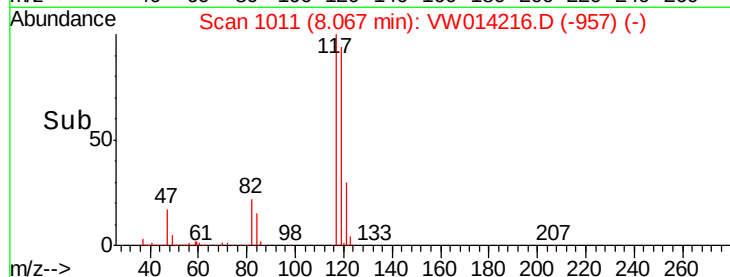
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.122 ug/L

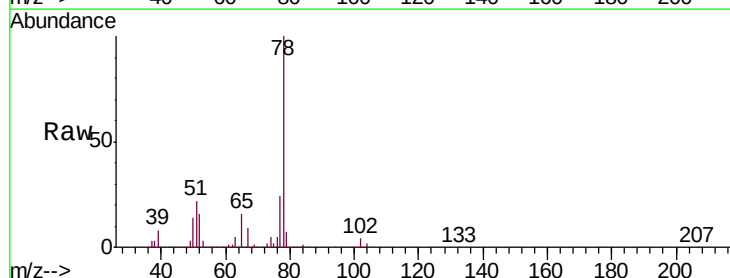
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Tgt Ion: 78 Resp: 1843844



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

800000

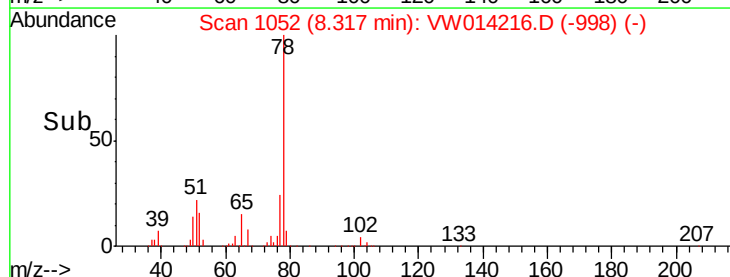
600000

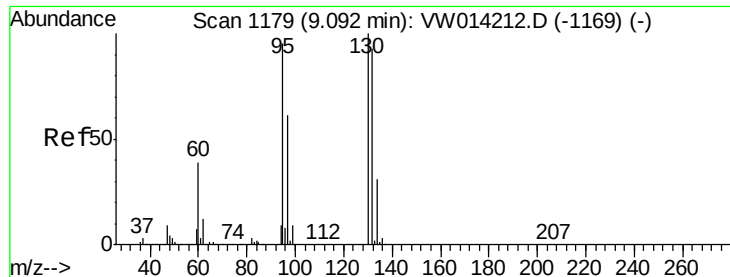
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 24.259 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tgt Ion: 95 Resp: 455559

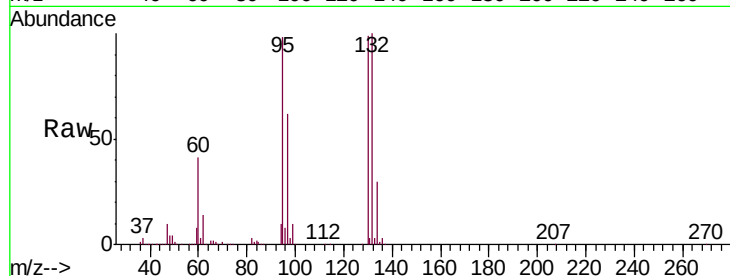
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 99.7 73.7 136.9

130 103.9 76.6 142.2

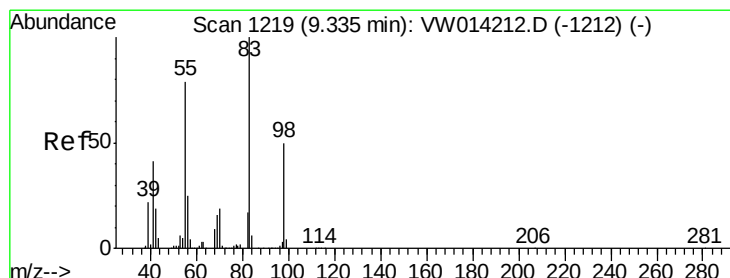
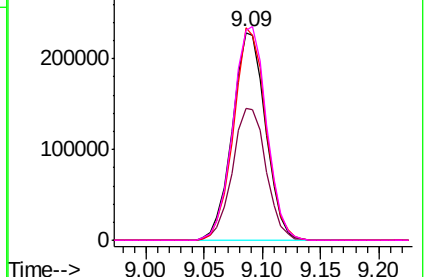
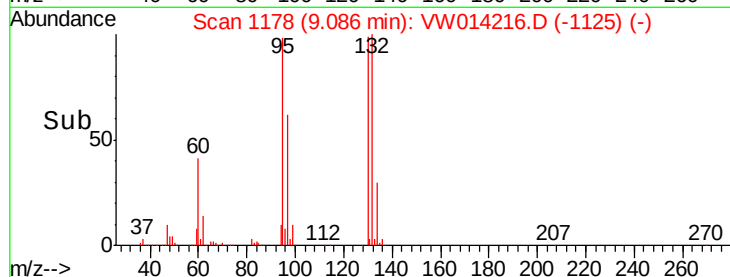


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.236 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

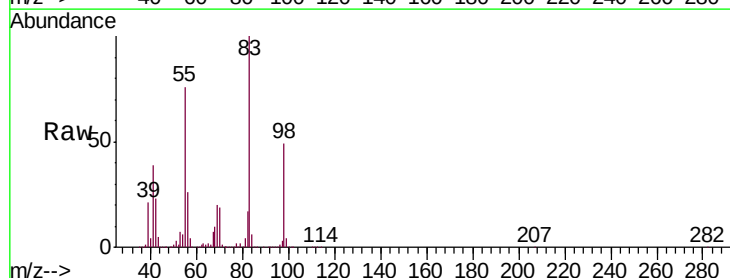
Tgt Ion: 83 Resp: 796340

Ion Ratio Lower Upper

83 100

55 77.3 59.8 89.8

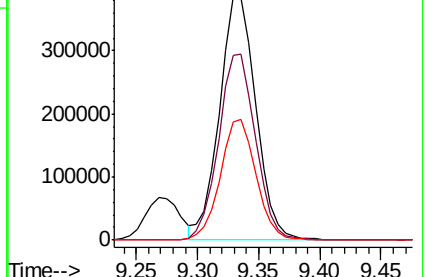
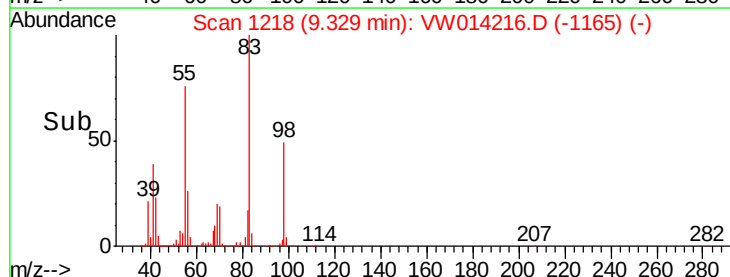
98 48.6 39.5 59.3

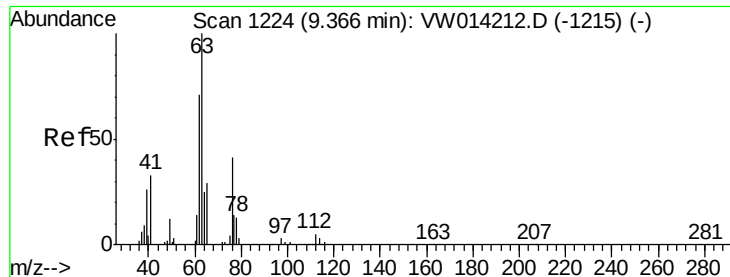


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.999 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampled :

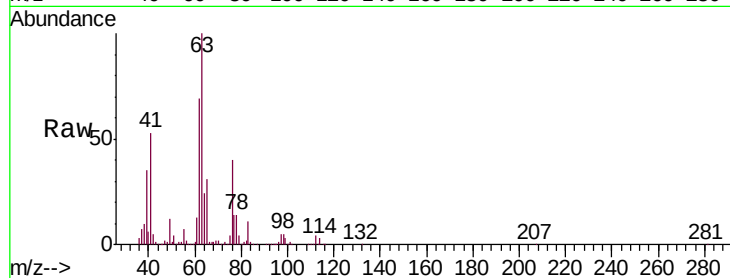
VSTD02529

Tgt Ion: 63 Resp: 471371

Ion Ratio Lower Upper

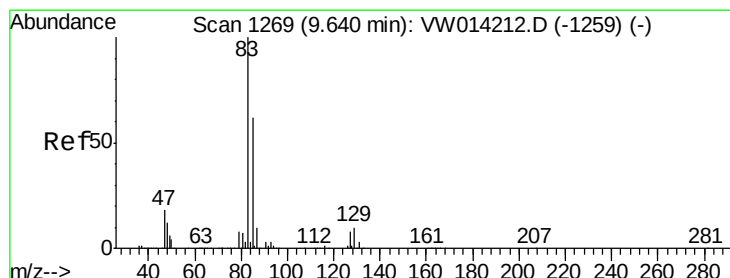
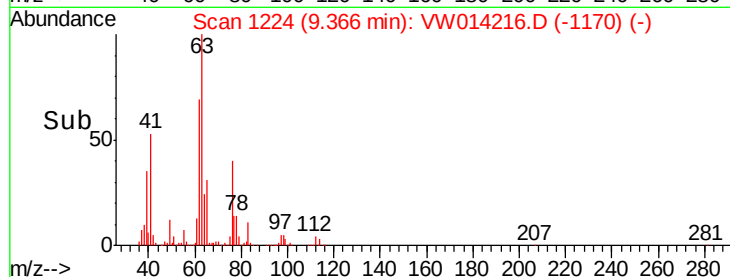
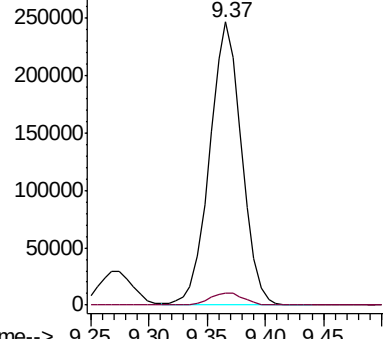
63 100

112 4.6 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.045 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

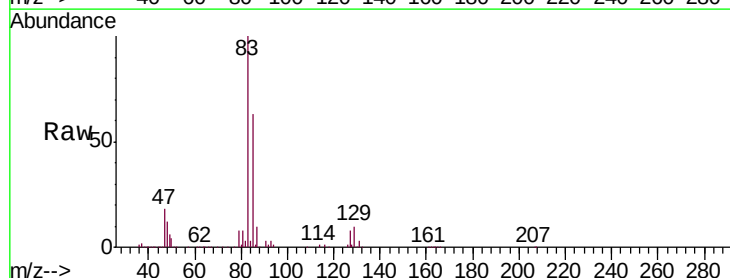
Tgt Ion: 83 Resp: 573905

Ion Ratio Lower Upper

83 100

85 63.0 45.1 83.7

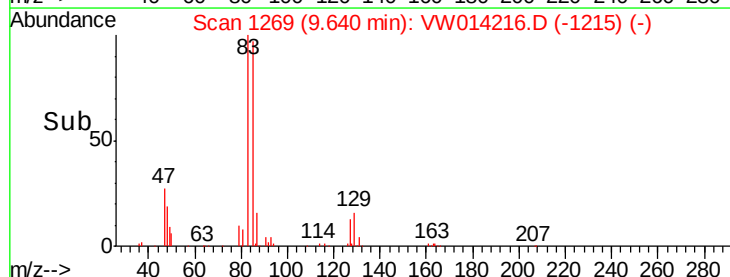
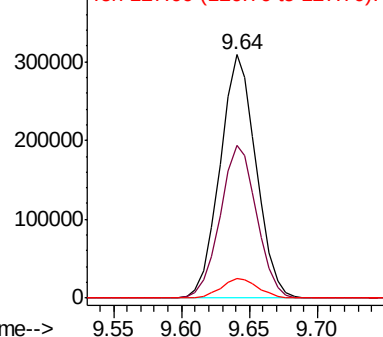
127 8.2 7.4 11.0

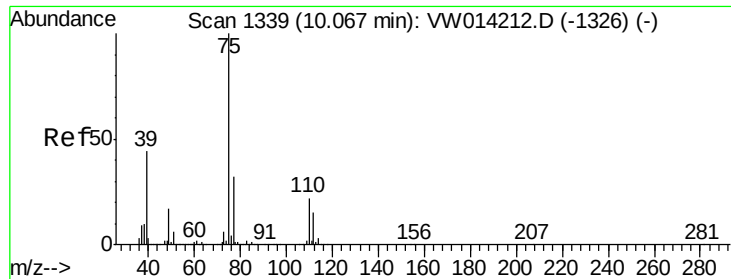


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.717 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

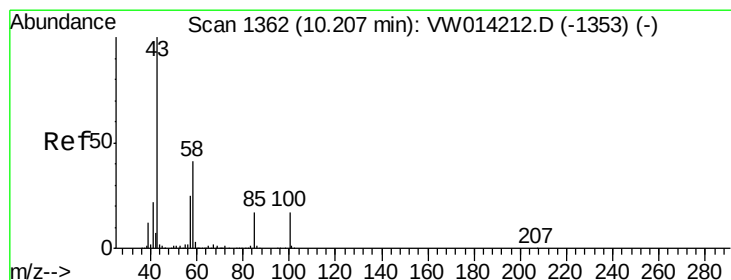
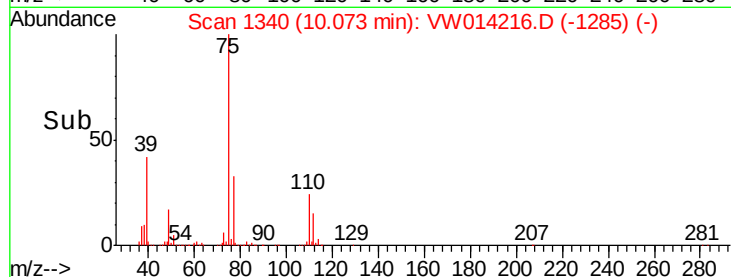
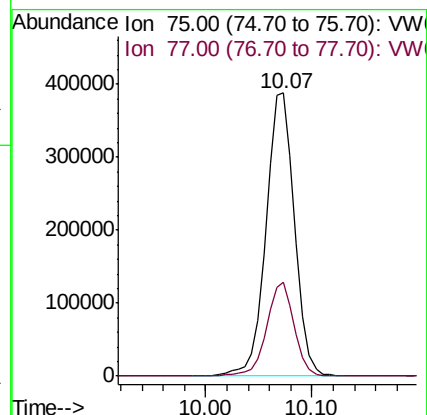
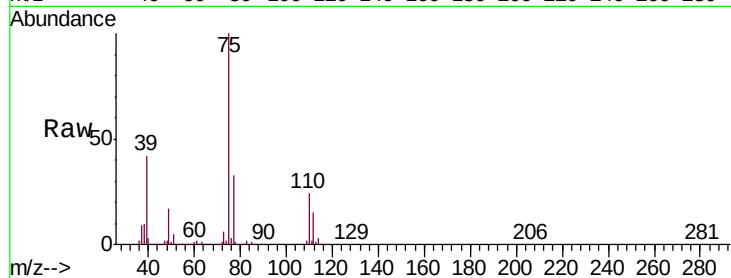
VSTD02529

Tgt Ion: 75 Resp: 726208

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 52.899 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

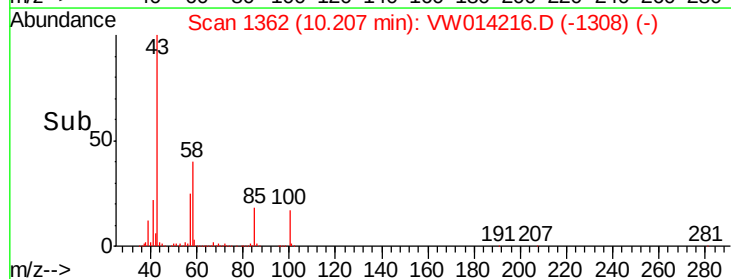
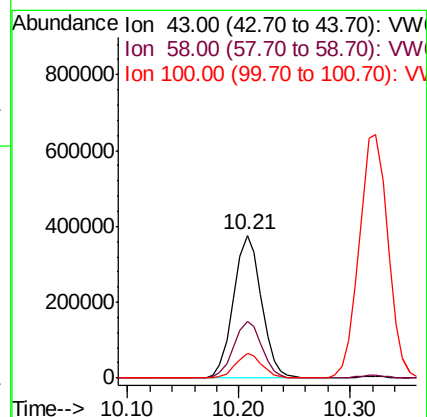
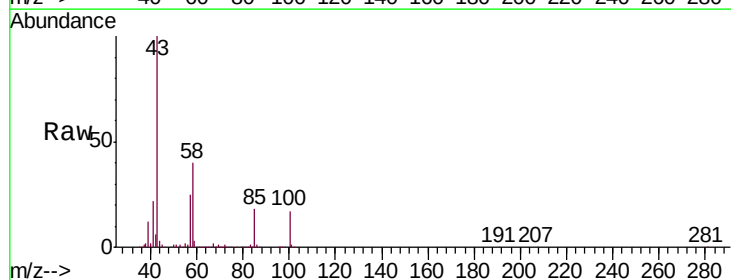
Tgt Ion: 43 Resp: 657742

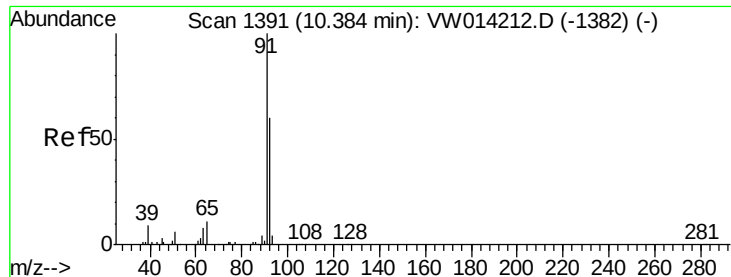
Ion Ratio Lower Upper

43 100

58 40.1 32.6 49.0

100 16.3 13.8 20.8





#44

Toluene

Concen: 25.196 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

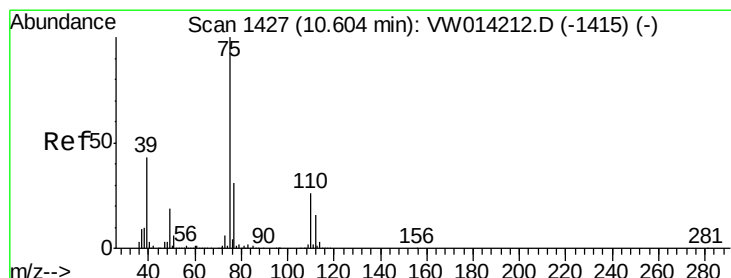
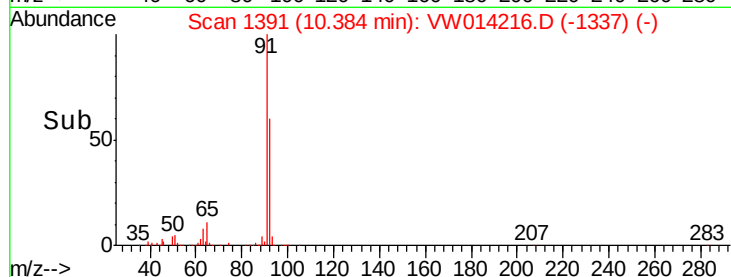
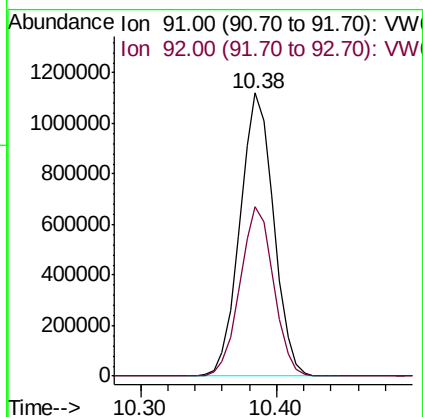
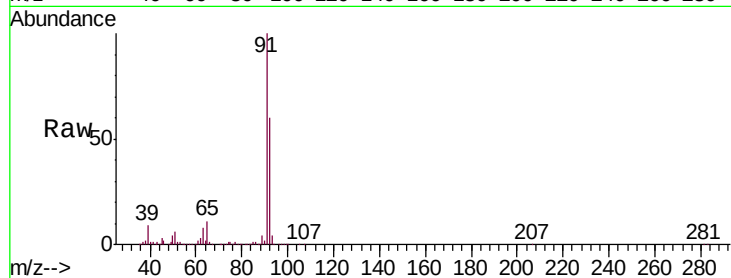
VSTD02529

Tgt Ion: 91 Resp: 1938738

Ion Ratio Lower Upper

91 100

92 59.7 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.531 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014216.D

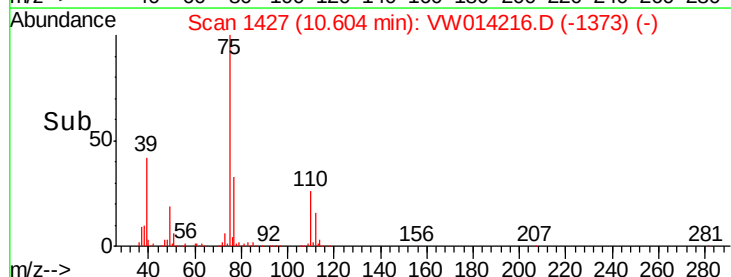
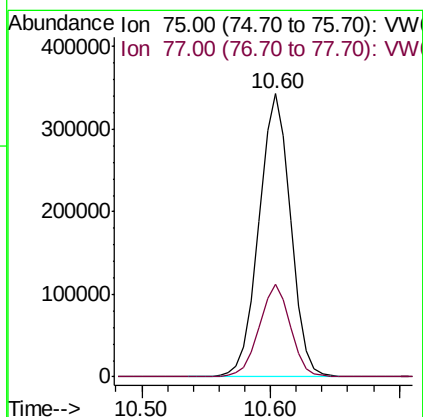
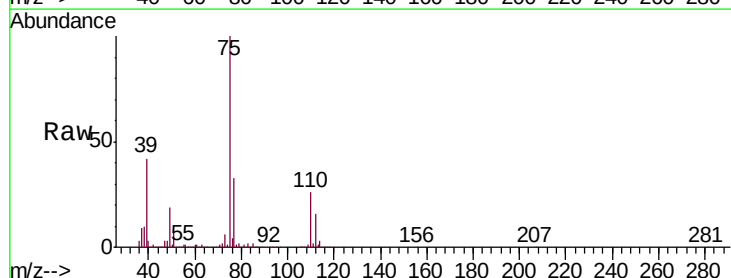
Acq: 05 Dec 2019 15:53

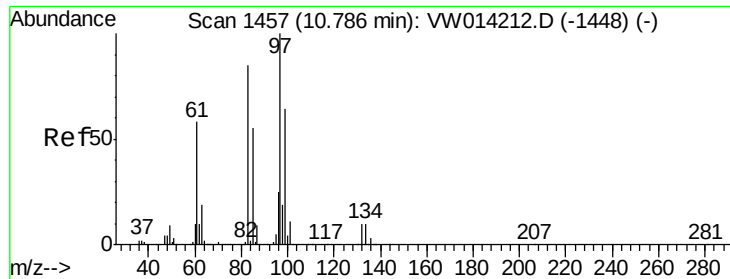
Tgt Ion: 75 Resp: 583575

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.6

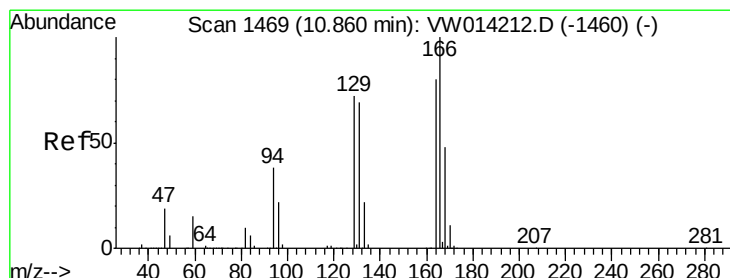
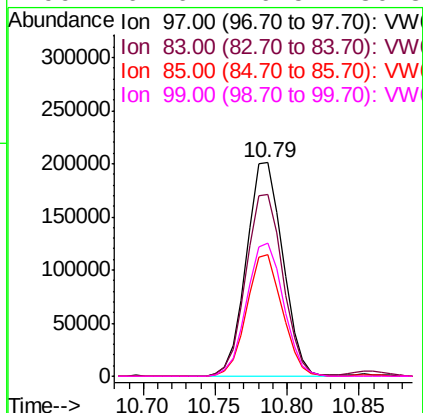
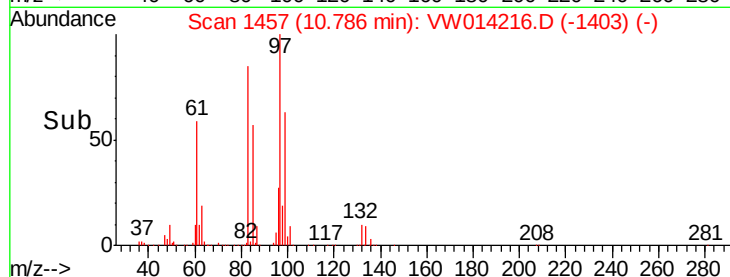
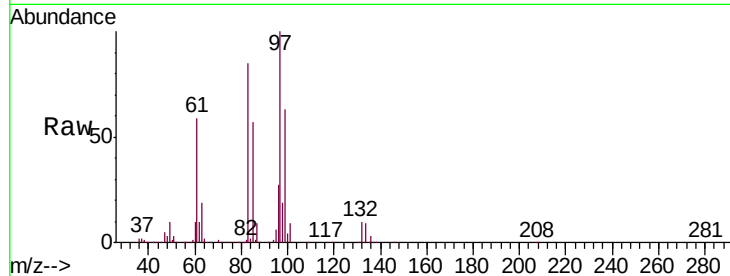




#46
1,1,2-Trichloroethane
Concen: 24.937 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

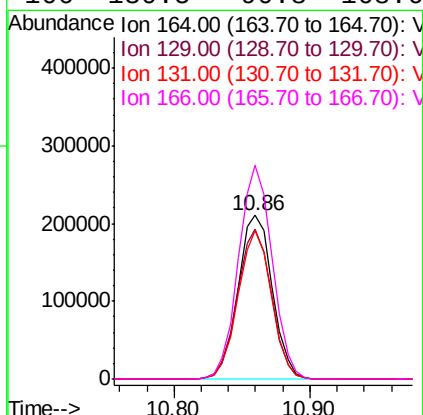
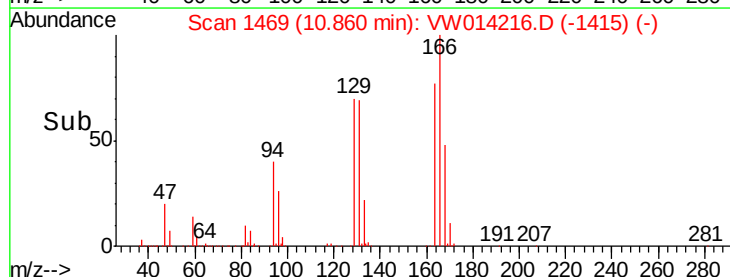
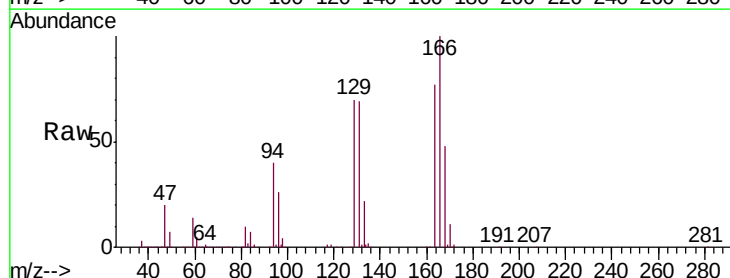
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

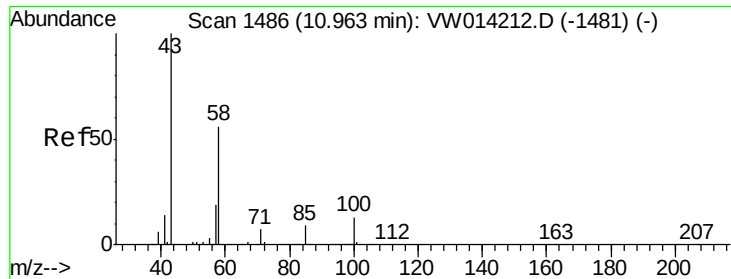
Tgt Ion:	97	Resp:	352350
Ion	Ratio	Lower	Upper
97	100		
83	84.9	58.9	109.5
85	57.1	38.1	70.9
99	62.6	46.5	86.3



#47
Tetrachloroethene
Concen: 23.800 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

Tgt Ion:	164	Resp:	372512
Ion	Ratio	Lower	Upper
164	100		
129	91.3	60.6	112.6
131	90.6	59.1	109.7
166	130.5	90.8	168.6

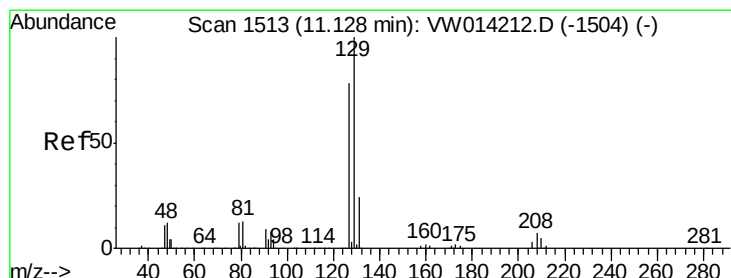
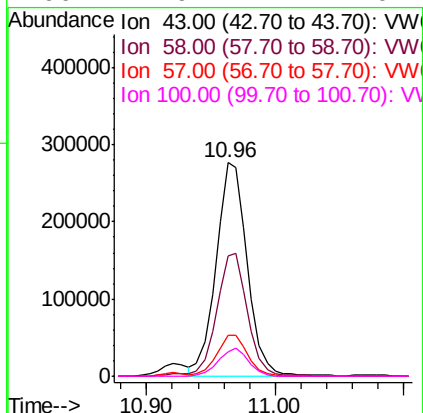
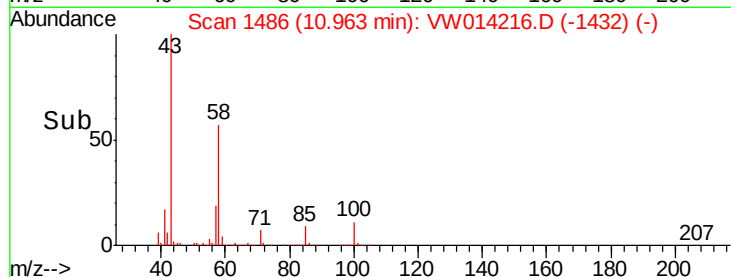
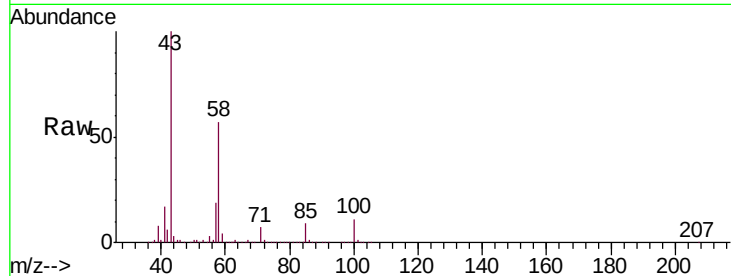




#49
2-Hexanone
Concen: 52.757 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

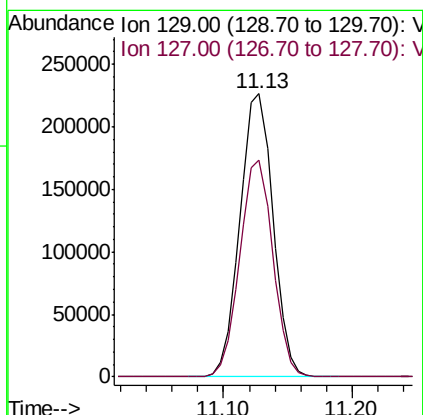
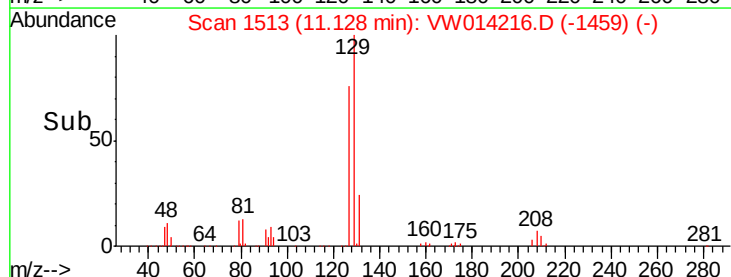
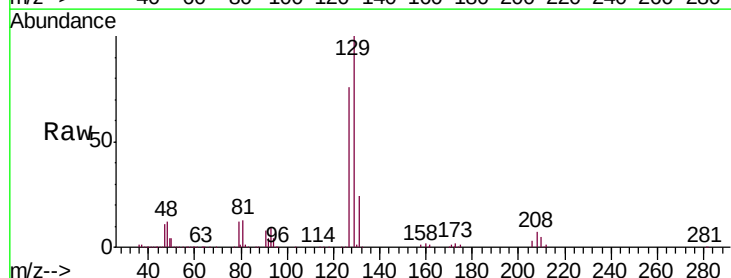
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

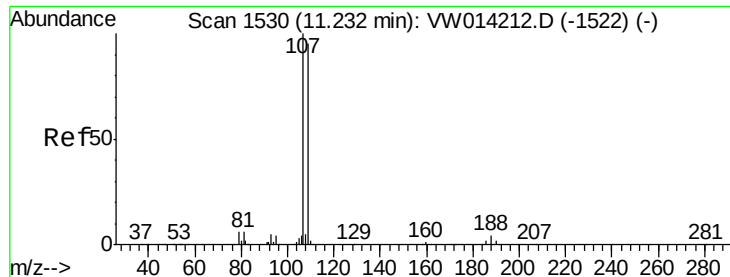
Tgt Ion: 43 Resp: 467016
Ion Ratio Lower Upper
43 100
58 55.9 44.4 66.6
57 19.6 16.5 24.7
100 12.9 11.1 16.7



#50
Dibromochloromethane
Concen: 25.430 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

Tgt Ion: 129 Resp: 403271
Ion Ratio Lower Upper
129 100
127 76.4 54.9 102.1

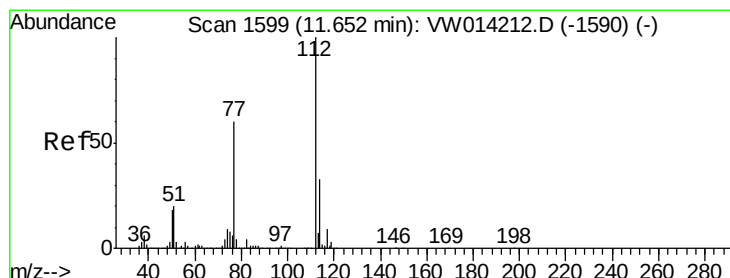
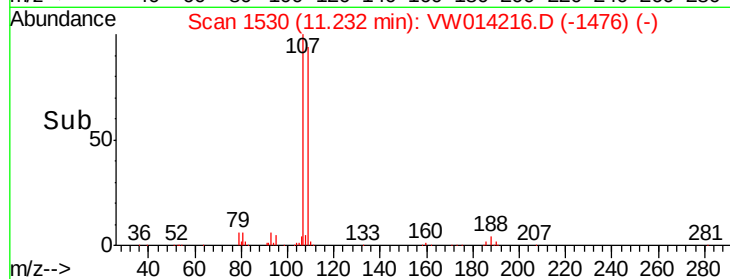
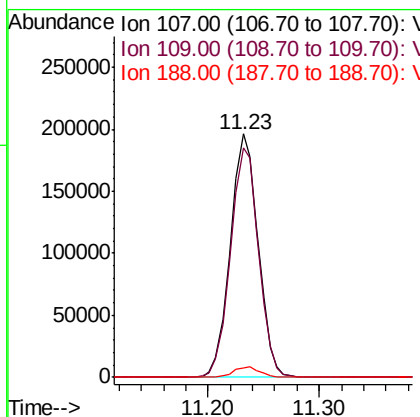
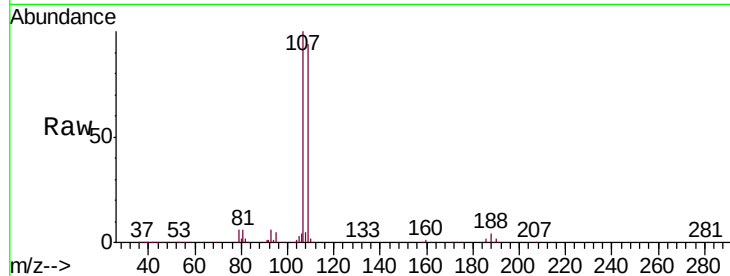




#51
1,2-Dibromoethane
Concen: 25.317 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

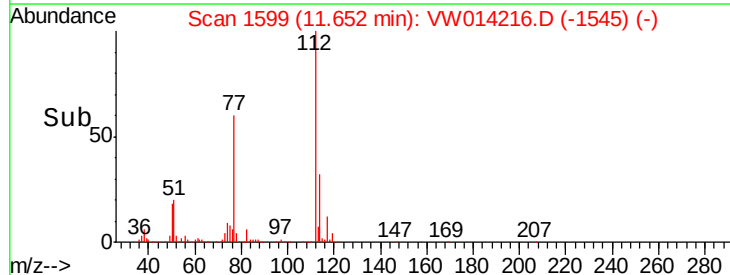
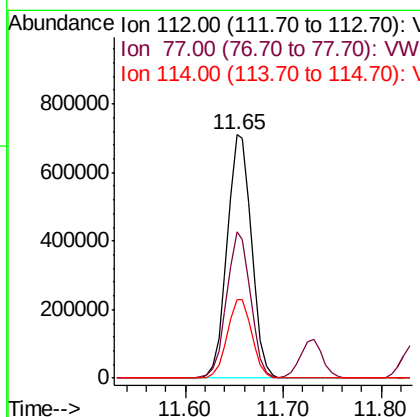
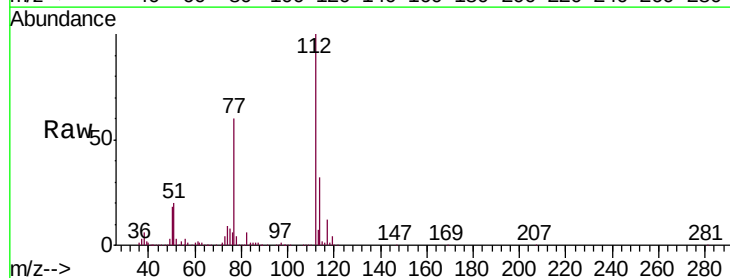
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

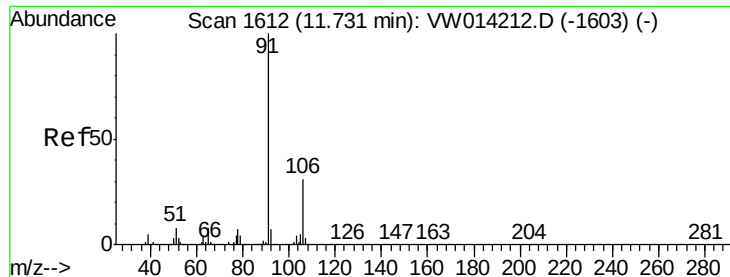
Tgt Ion:107 Resp: 338840
Ion Ratio Lower Upper
107 100
109 94.3 64.6 120.0
188 3.8 3.9 5.9#



#52
Chlorobenzene
Concen: 24.626 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014216.D
Acq: 05 Dec 2019 15:53

Tgt Ion:112 Resp: 1224665
Ion Ratio Lower Upper
112 100
77 60.1 42.2 63.4
114 32.2 22.5 41.9





#53

Ethylbenzene

Concen: 25.445 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

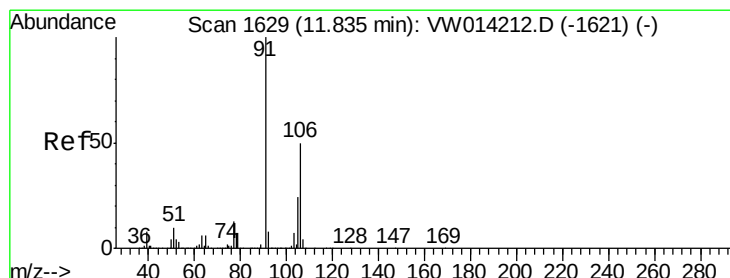
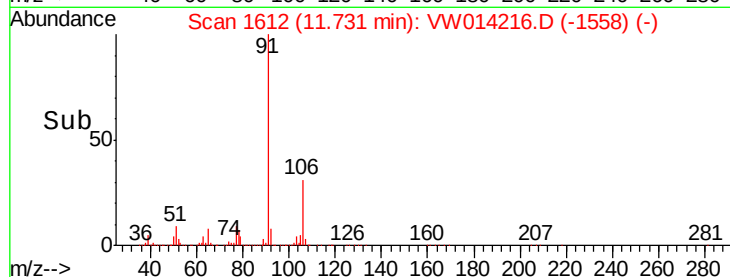
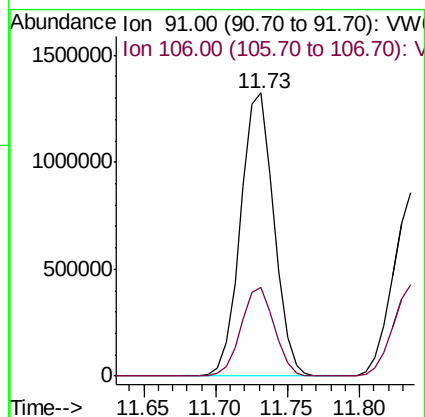
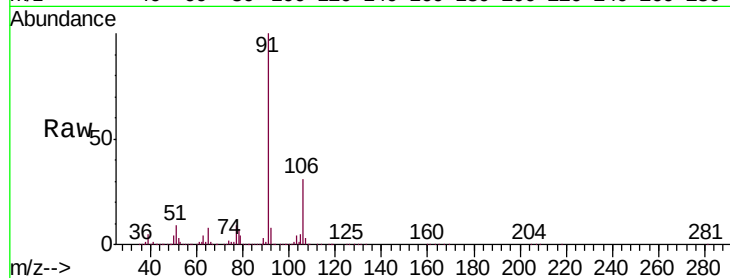
VSTD02529

Tgt Ion: 91 Resp: 2124500

Ion Ratio Lower Upper

91 100

106 31.3 22.3 41.5



#54

m,p-Xylene

Concen: 25.692 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014216.D

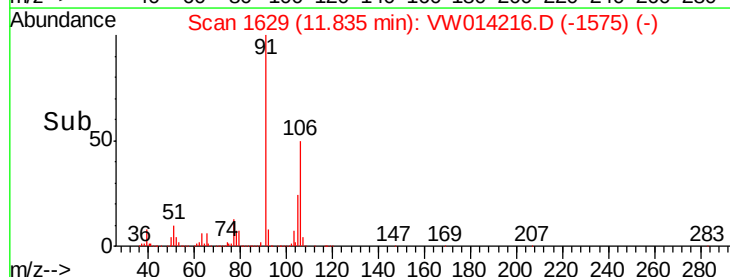
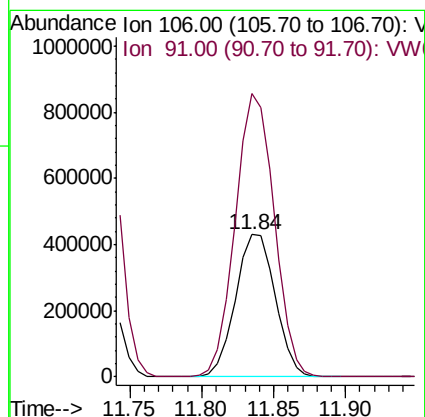
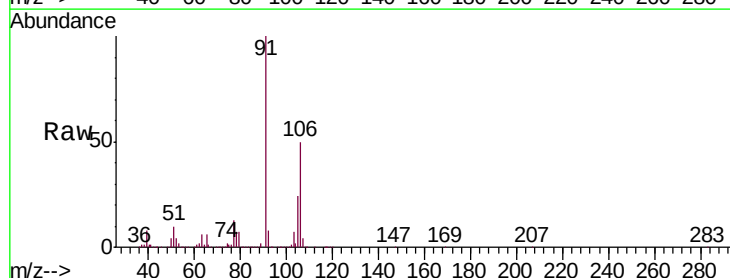
Acq: 05 Dec 2019 15:53

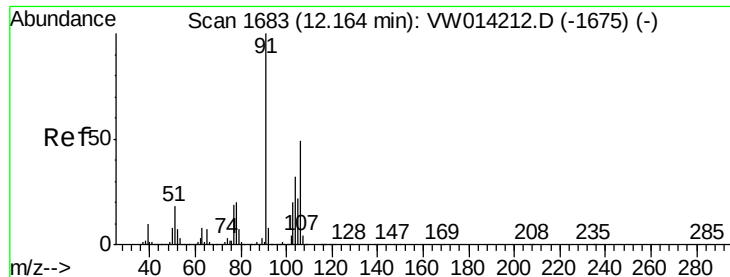
Tgt Ion: 106 Resp: 825171

Ion Ratio Lower Upper

106 100

91 199.3 138.7 257.5





#55

o-xylene

Concen: 25.959 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

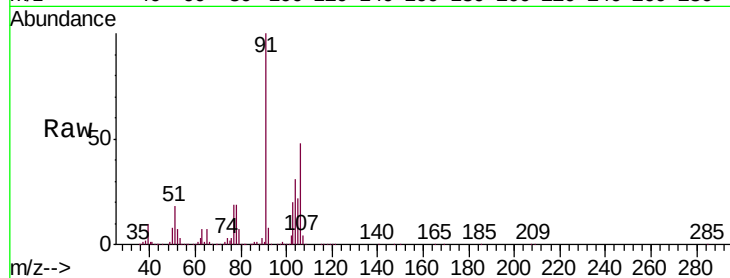
VSTD02529

Tgt Ion:106 Resp: 790814

Ion Ratio Lower Upper

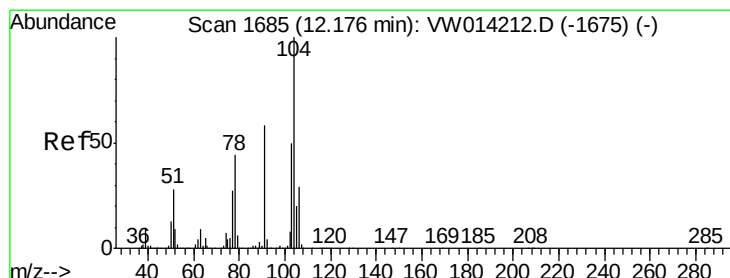
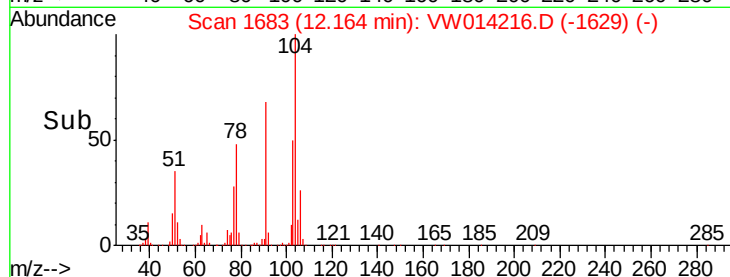
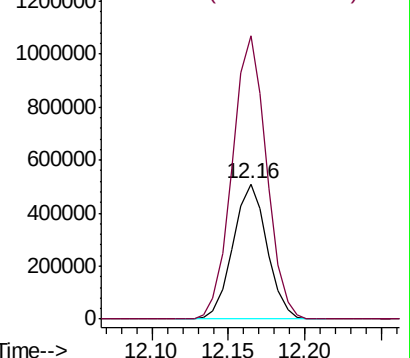
106 100

91 209.3 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.908 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014216.D

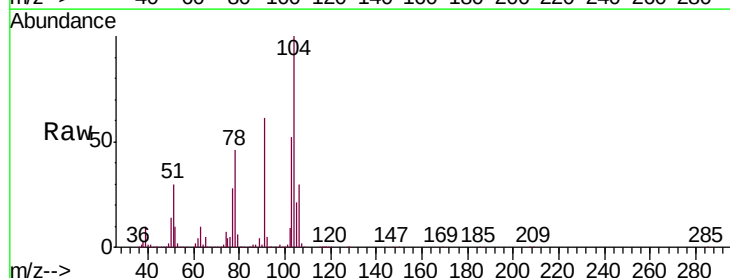
Acq: 05 Dec 2019 15:53

Tgt Ion:104 Resp: 1350244

Ion Ratio Lower Upper

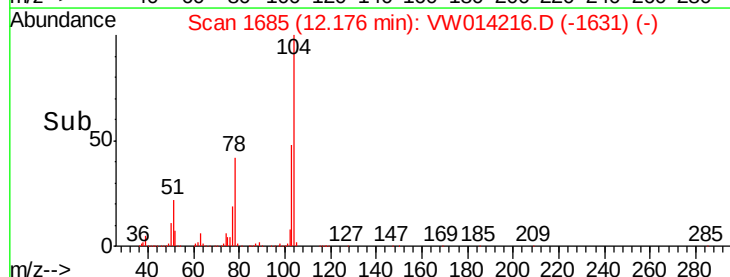
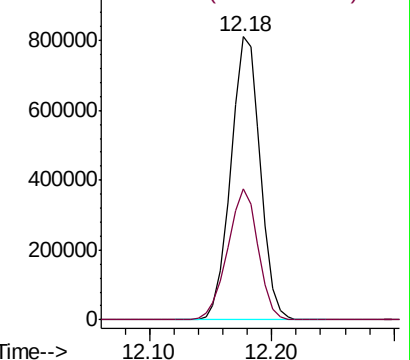
104 100

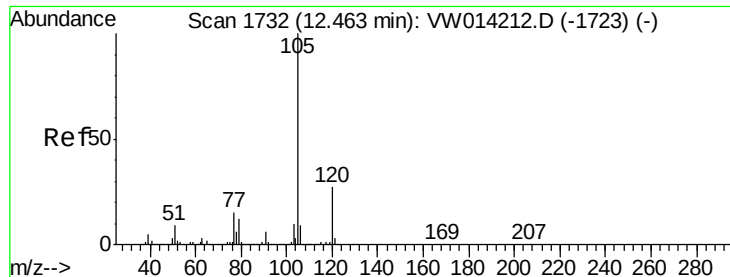
78 46.1 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.879 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

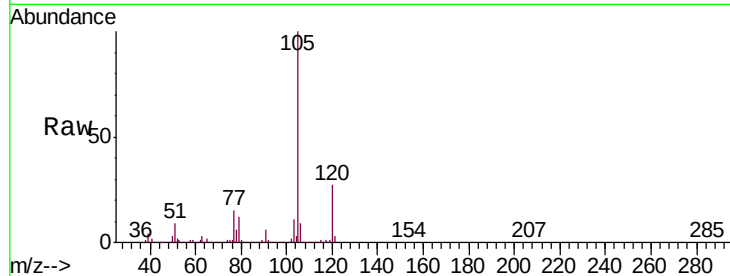
Tgt Ion: 105 Resp: 2046744

Ion Ratio Lower Upper

105 100

120 26.6 21.6 32.4

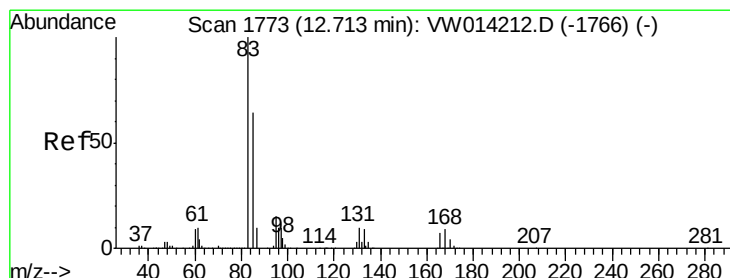
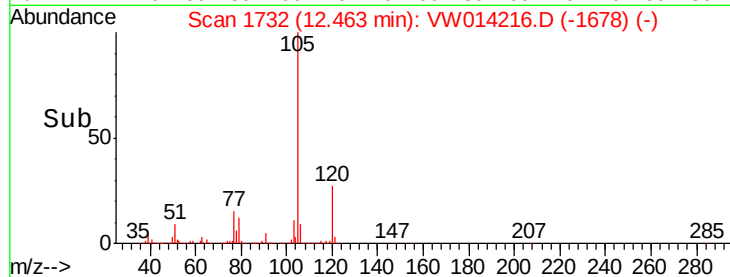
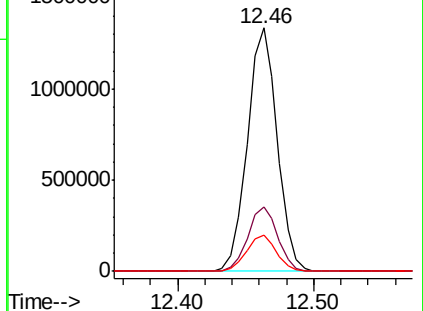
77 14.9 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.459 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

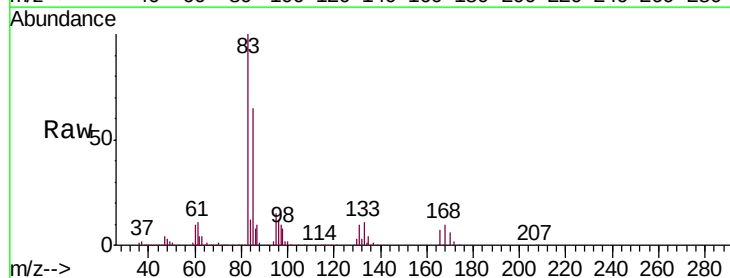
Tgt Ion: 83 Resp: 446485

Ion Ratio Lower Upper

83 100

85 64.9 43.7 81.1

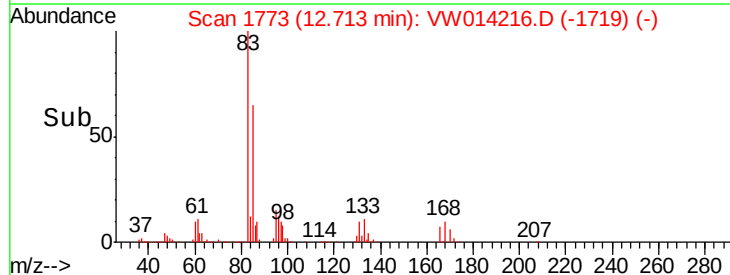
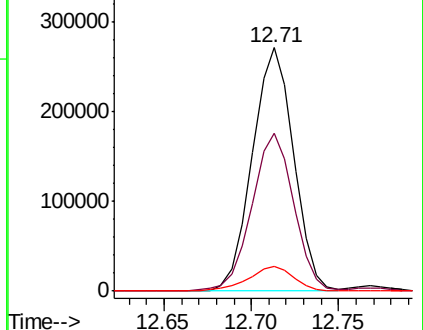
131 10.1 8.2 12.2

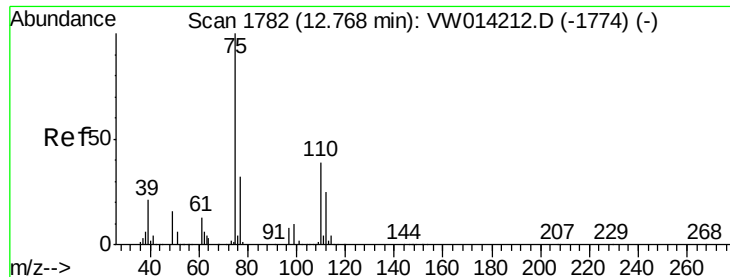


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.031 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

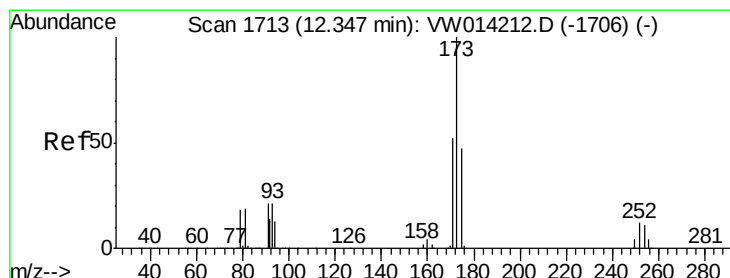
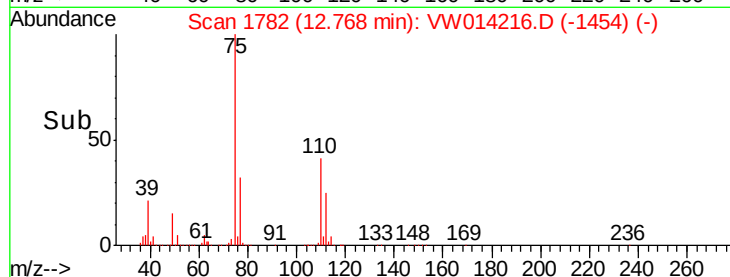
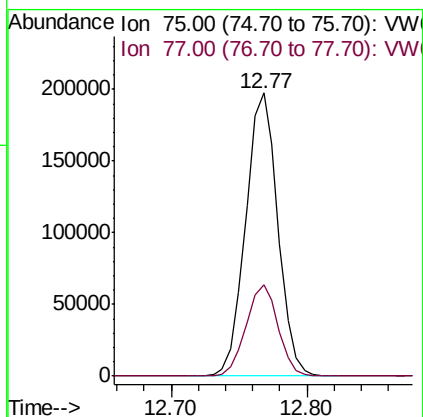
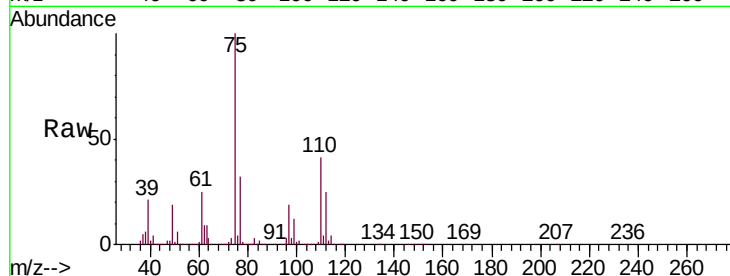
VSTD02529

Tgt Ion: 75 Resp: 326185

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#62

Bromoform

Concen: 25.737 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

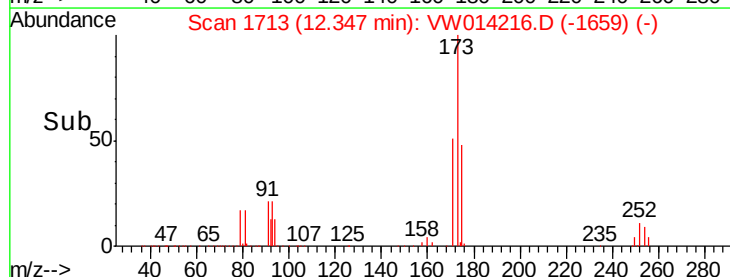
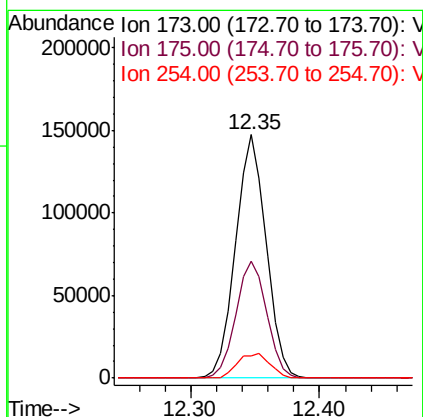
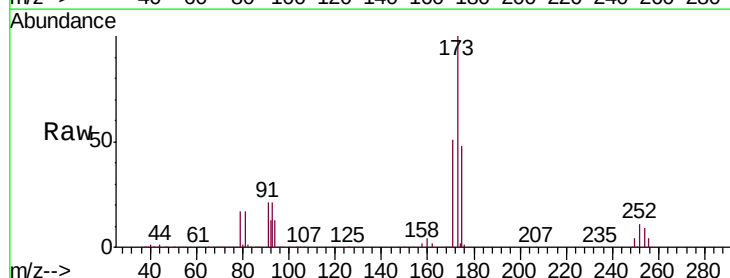
Tgt Ion: 173 Resp: 242544

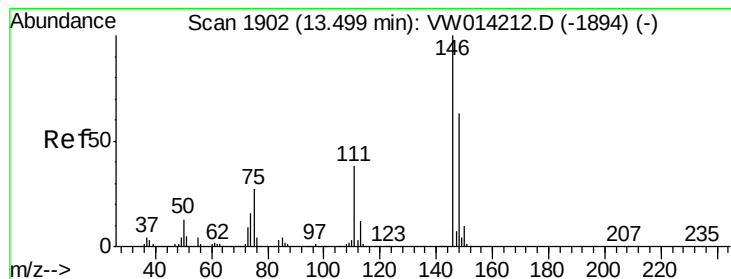
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 10.6 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 25.912 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

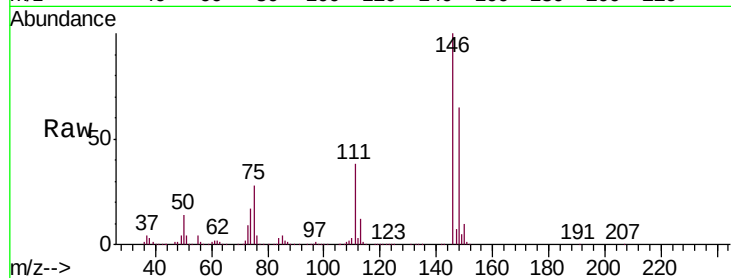
Tgt Ion:146 Resp: 967053

Ion Ratio Lower Upper

146 100

111 38.0 26.0 48.2

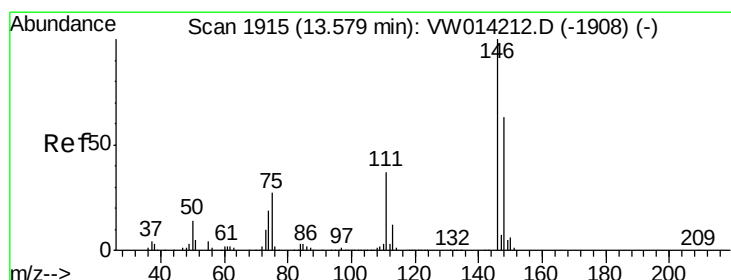
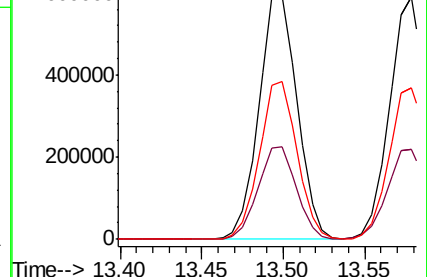
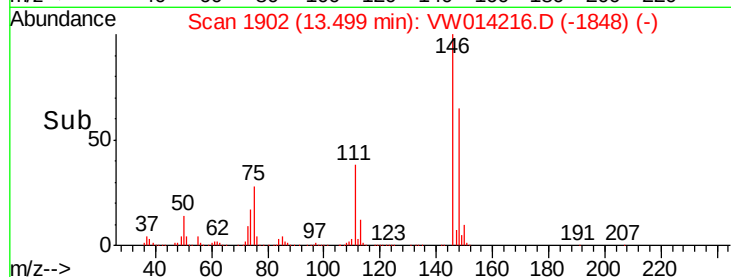
148 65.0 44.7 82.9



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



#64

1,4-Dichlorobenzene

Concen: 24.725 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

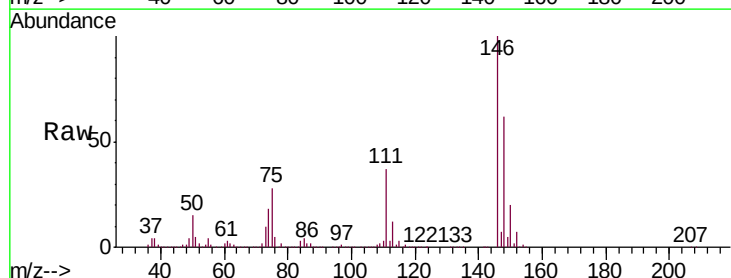
Tgt Ion:146 Resp: 937507

Ion Ratio Lower Upper

146 100

111 37.3 24.9 46.3

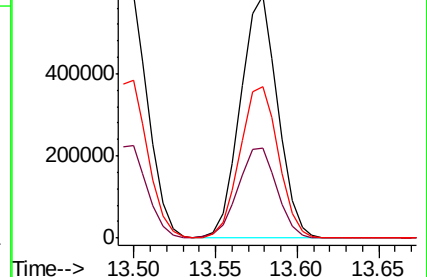
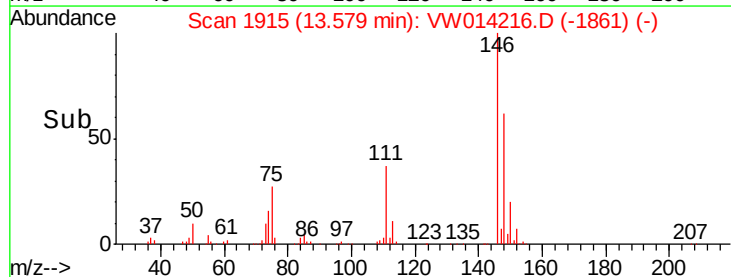
148 62.3 43.9 81.5

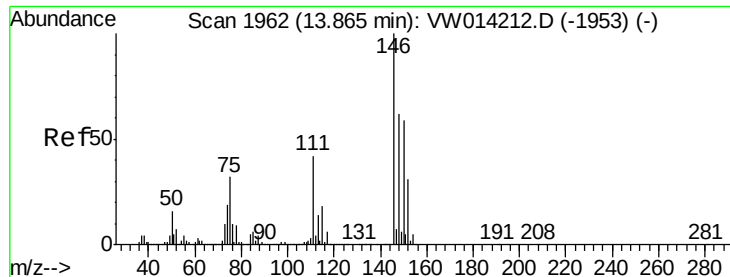


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

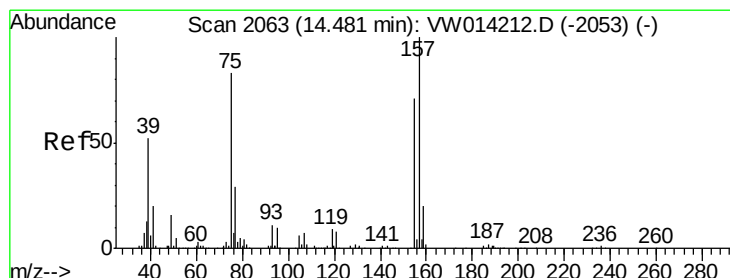
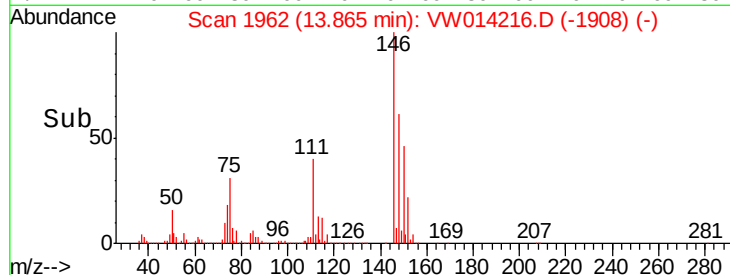
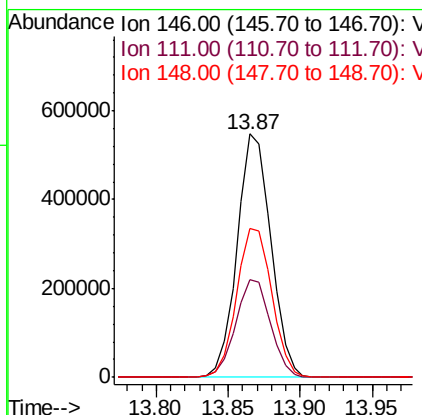
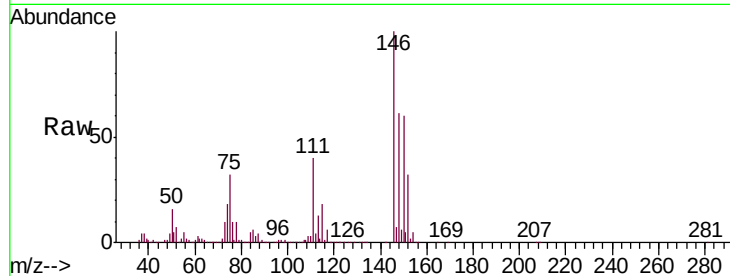




#65
 1,2-Dichlorobenzene
 Concen: 25.691 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014216.D
 Acq: 05 Dec 2019 15:53

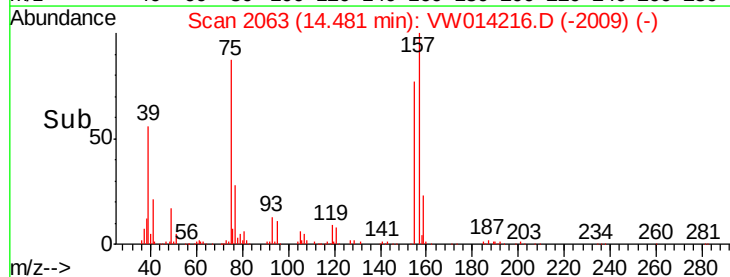
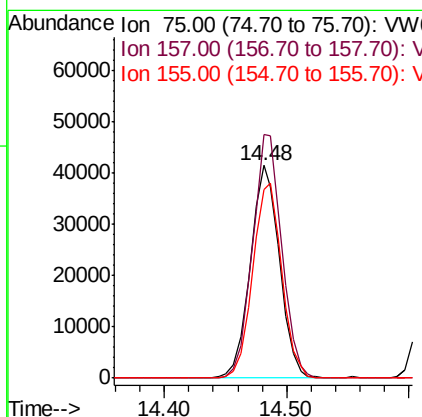
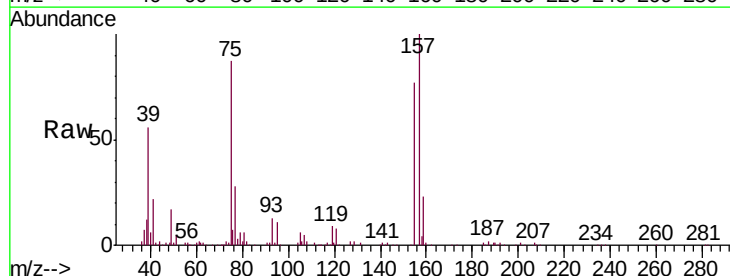
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

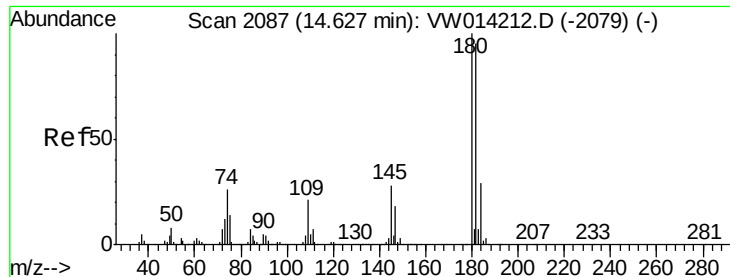
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	30.5	45.7
148	61.3	49.4	74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.752 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014216.D
 Acq: 05 Dec 2019 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
157	114.6	96.9	145.3
155	88.6	82.9	124.3

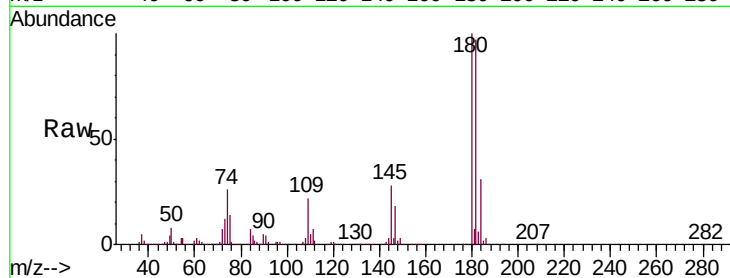




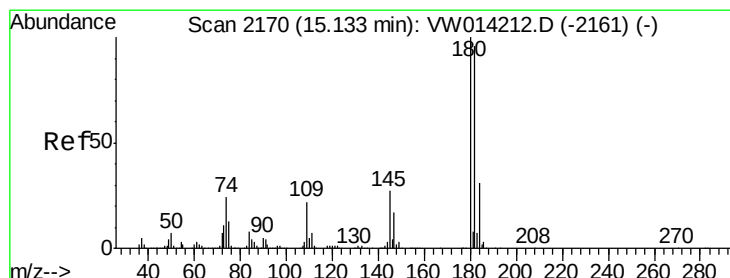
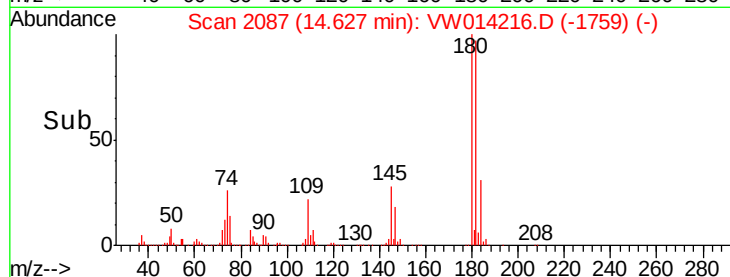
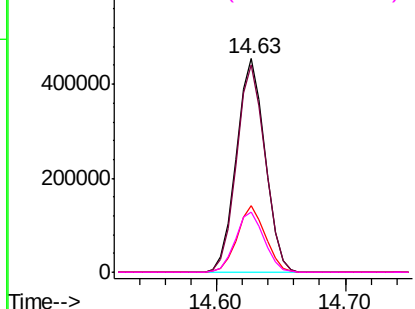
#67
 1,3,5-Trichlorobenzene
 Concen: 26.075 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014216.D
 Acq: 05 Dec 2019 15:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tgt Ion:	180	Resp:	700137
Ion Ratio	Lower	Upper	
180	100		
182	96.5	76.2	114.2
184	30.4	24.3	36.5
145	28.3	21.9	32.9

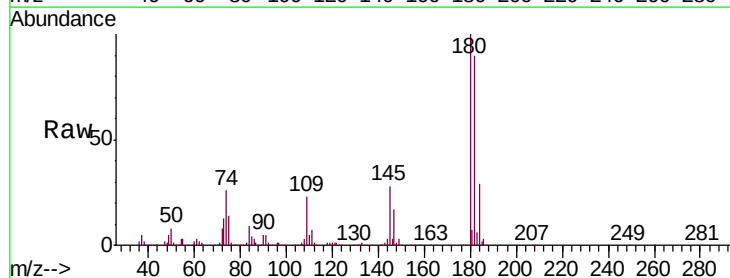


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

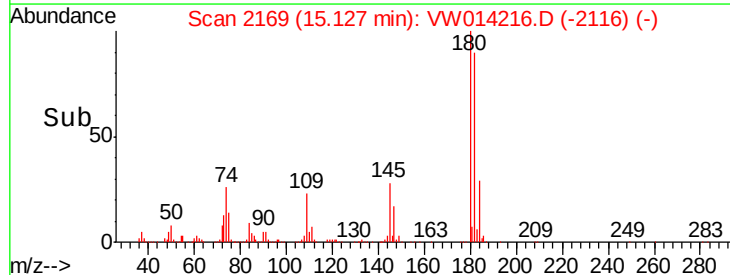
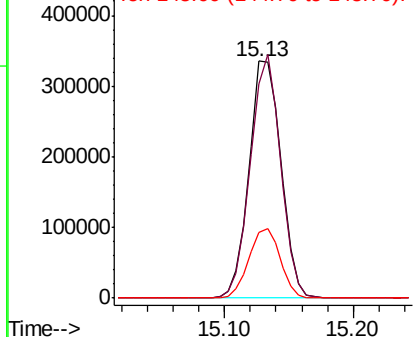


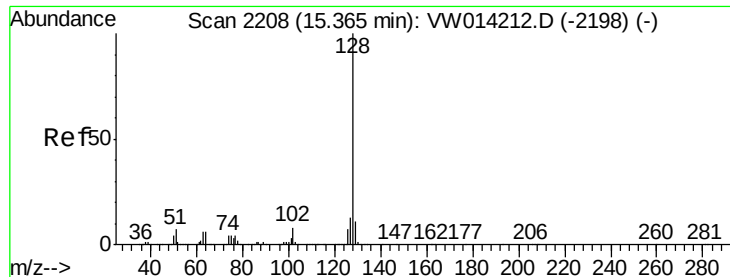
#68
 1,2,4-trichlorobenzene
 Concen: 27.380 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW014216.D
 Acq: 05 Dec 2019 15:53

Tgt Ion:	180	Resp:	573116
Ion Ratio	Lower	Upper	
180	100		
182	96.7	75.8	113.8
145	28.8	22.4	33.6



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: 29.897 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

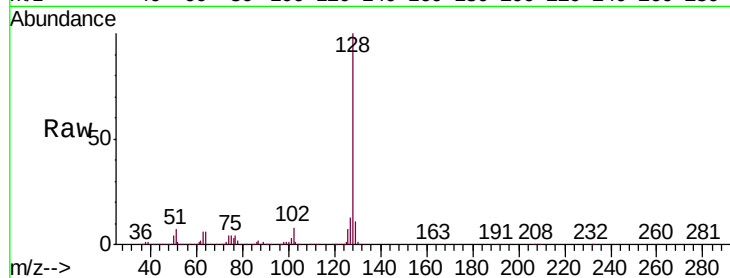
Tgt Ion:128 Resp: 1176874

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

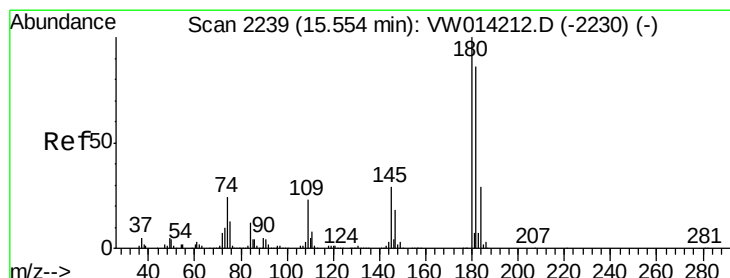
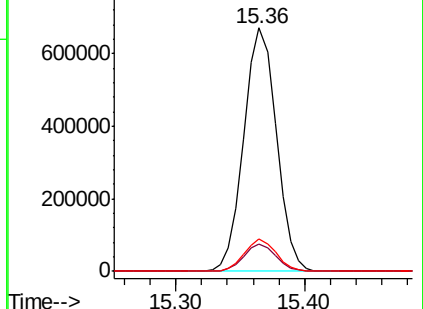
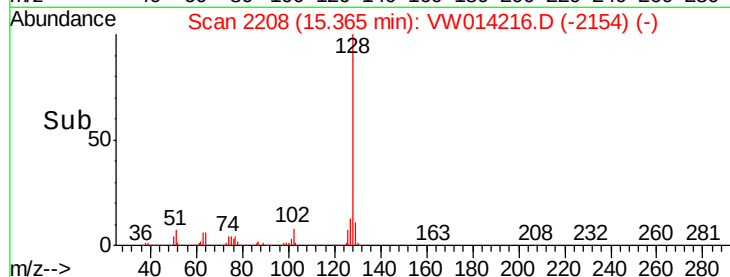
127 13.1 10.4 15.6



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: 27.865 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014216.D

Acq: 05 Dec 2019 15:53

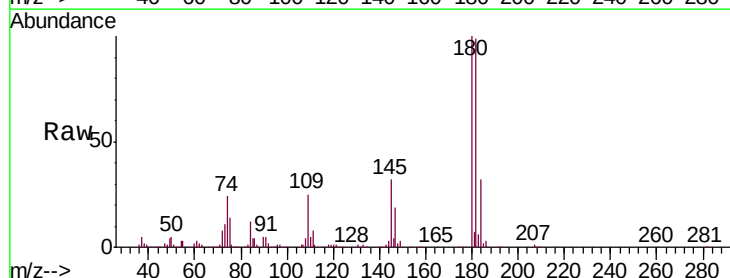
Tgt Ion:180 Resp: 546983

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.6

145 30.4 24.0 36.0



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

