

Data File : VW014240.D
Acq On : 06 Dec 2019 09:07
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Quant Time: Dec 07 04:07:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 06 17:01:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1360524	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1206645	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	580053	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	579116	28.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.44%
7) Chloroethane-d5	2.89	69	440320	28.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.96%
10) 1,1-Dichloroethene-d2	4.02	63	999954	27.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.92%
20) 2-Butanone-d5	7.07	46	274836	51.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.38%
24) Chloroform-d	7.64	84	956165	27.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.40%
26) 1,2-Dichloroethane-d4	8.30	65	487222	26.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.32%
29) Benzene-d6	8.27	84	2050314	28.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.96%
33) 1,2-Dichloropropane-d6	9.27	67	613207	28.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.72%
37) Toluene-d8	10.32	98	1861002	29.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.40%
38) trans-1,3-Dichloropropene-	10.57	79	254999	27.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.76%
39) 2-Hexanone-d5	10.92	63	222493	51.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	465793	26.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	611730	27.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	301239	23.280 ug/L	98
3) Chloromethane	2.21	50	293486	22.561 ug/L	96
5) Vinyl chloride	2.36	62	484208	25.139 ug/L	95
6) Bromomethane	2.78	94	286314	24.099 ug/L	100
8) Chloroethane	2.92	64	275158	25.005 ug/L	96
9) Trichlorofluoromethane	3.26	101	281504	29.522 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	429485	23.933 ug/L	95
12) 1,1-Dichloroethene	4.04	96	434395	23.910 ug/L	84
13) Acetone	4.11	43	271165	52.387 ug/L	99
14) Carbon disulfide	4.38	76	1358595	24.382 ug/L	100
15) Methyl Acetate	4.66	43	202903	20.724 ug/L	97
16) Methylene chloride	4.91	84	445137	21.343 ug/L	100
17) Methyl tert-butyl Ether	5.42	73	517549	21.602 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	458248	23.552 ug/L	93
19) 1,1-Dichloroethane	6.21	63	812060	23.231 ug/L	97
21) 2-Butanone	7.17	43	317732	45.721 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	475021	22.945 ug/L	100

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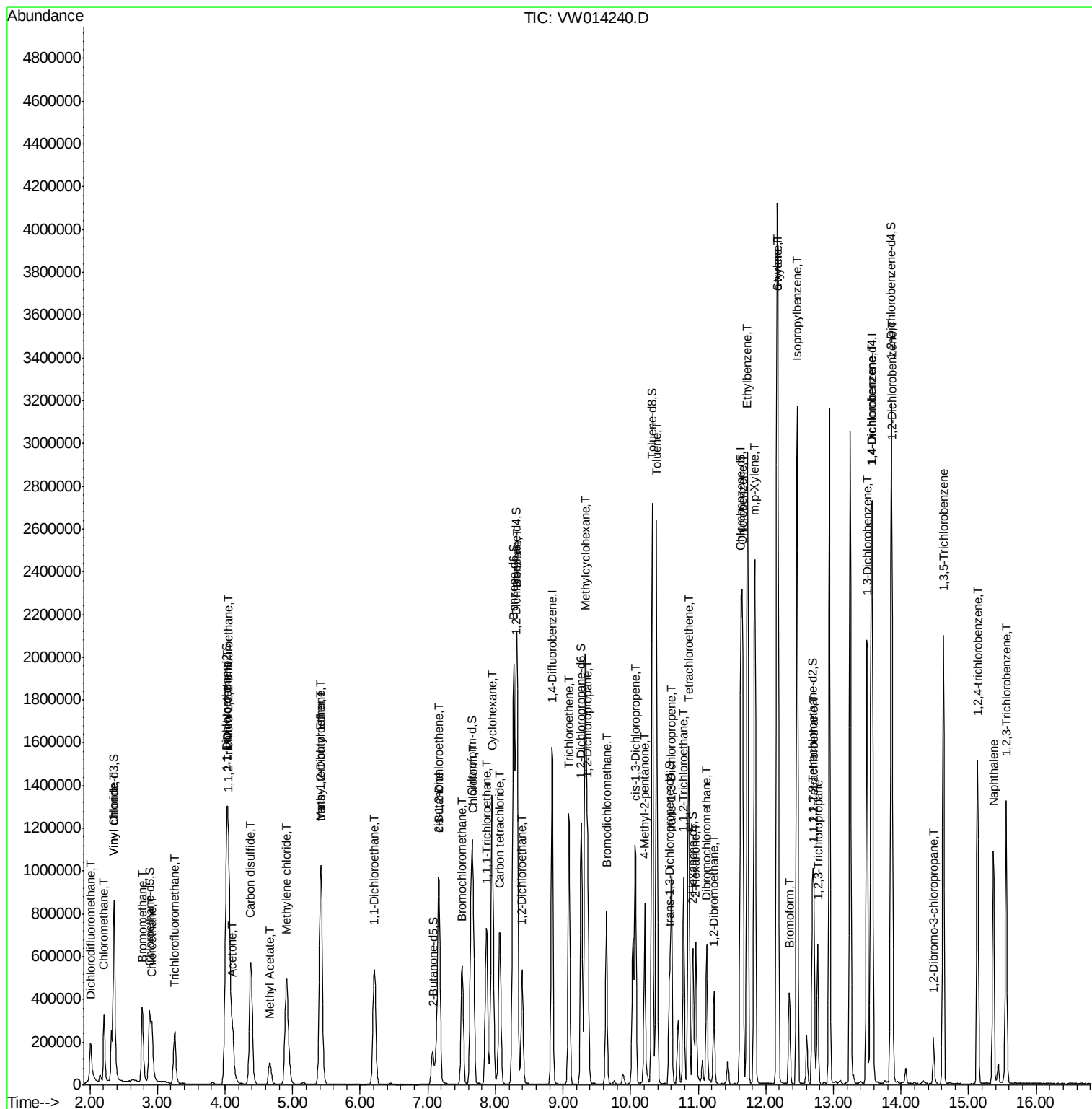
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	202231	21.236	ug/L	84
25) Chloroform	7.67	83	777117	22.877	ug/L	99
27) 1,2-Dichloroethane	8.40	62	484724	21.792	ug/L	97
30) Cyclohexane	7.95	56	794387	26.376	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	608403	25.106	ug/L	98
32) Carbon tetrachloride	8.07	117	574279	24.976	ug/L	100
34) Benzene	8.32	78	1845220	24.151	ug/L	100
35) Trichloroethene	9.09	95	468585	23.971	ug/L	95
36) Methylcyclohexane	9.33	83	837136	25.485	ug/L	97
40) 1,2-Dichloropropane	9.37	63	452438	23.051	ug/L	99
41) Bromodichloromethane	9.64	83	536927	22.509	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	690197	23.481	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	556316	42.982	ug/L	98
44) Toluene	10.38	91	1954832	24.405	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	547531	23.011	ug/L	98
46) 1,1,2-Trichloroethane	10.78	97	316695	21.532	ug/L	97
47) Tetrachloroethene	10.86	164	383762	23.554	ug/L	95
49) 2-Hexanone	10.96	43	419613	45.537	ug/L	98
50) Dibromochloromethane	11.13	129	359323	21.767	ug/L	100
51) 1,2-Dibromoethane	11.23	107	300887	21.597	ug/L	96
52) Chlorobenzene	11.65	112	1184719	22.885	ug/L	95
53) Ethylbenzene	11.73	91	2115641	24.342	ug/L	98
54) m,p-Xylene	11.84	106	816156	24.411	ug/L	99
55) o-xylene	12.16	106	759946	23.964	ug/L	98
56) Styrene	12.18	104	1295816	23.886	ug/L	97
57) Isopropylbenzene	12.46	105	2035821	24.728	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	382232	20.938	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	284616	20.982	ug/L	100
62) Bromoform	12.35	173	208238	21.152	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	910903	23.364	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	901306	22.754	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	824931	22.753	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	56057	20.043	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	679351	24.219	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	521483	23.848	ug/L	97
69) Naphthalene	15.36	128	943368	22.941	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	485145	23.658	ug/L	99

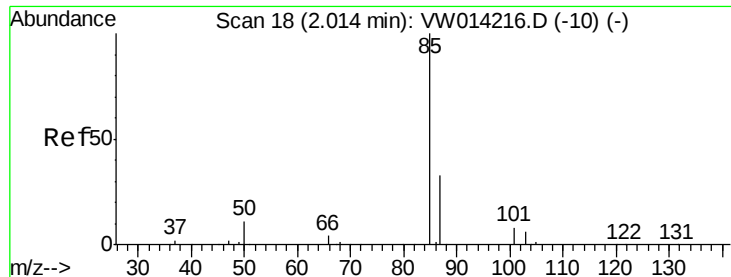
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.280 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

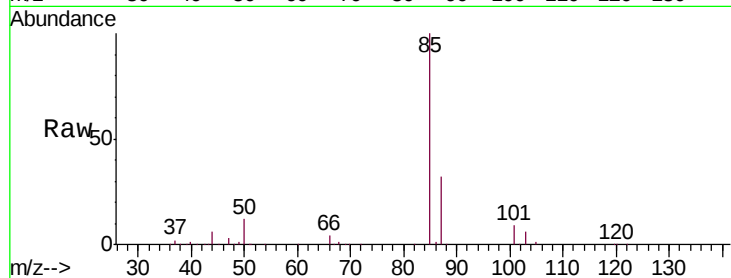
VSTD02508

Tgt Ion: 85 Resp: 301239

Ion Ratio Lower Upper

85 100

87 32.6 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

120000

100000

80000

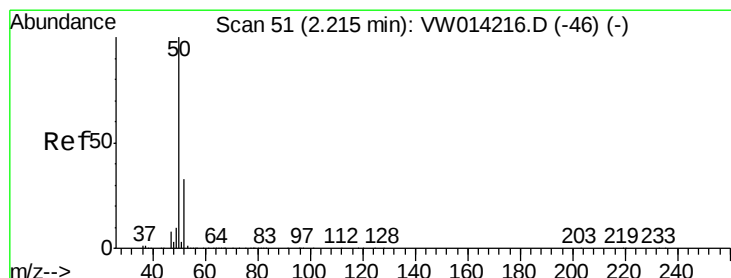
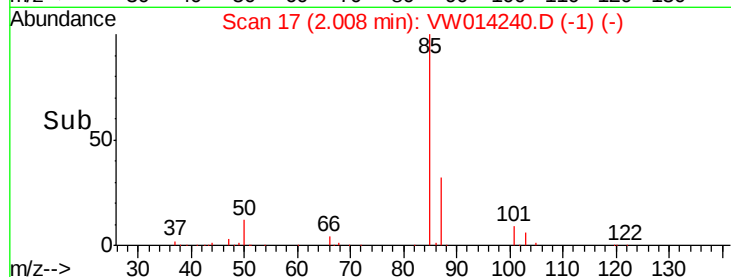
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 22.561 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014240.D

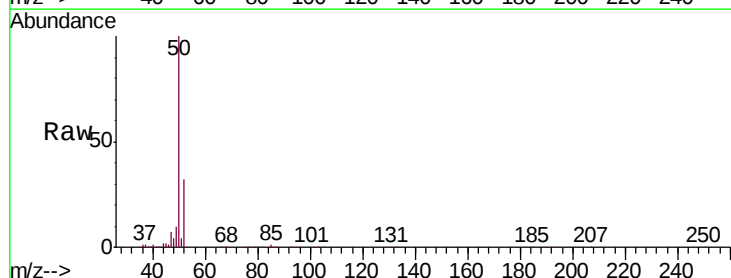
Acq: 06 Dec 2019 09:07

Tgt Ion: 50 Resp: 293486

Ion Ratio Lower Upper

50 100

52 31.9 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

200000

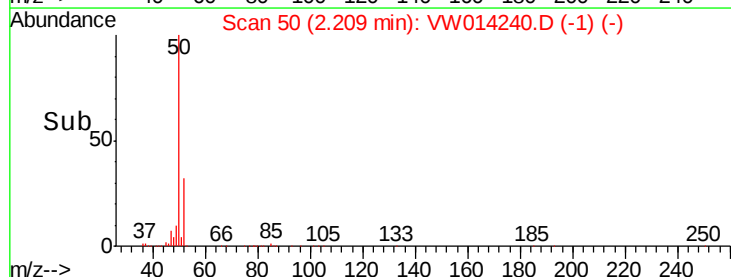
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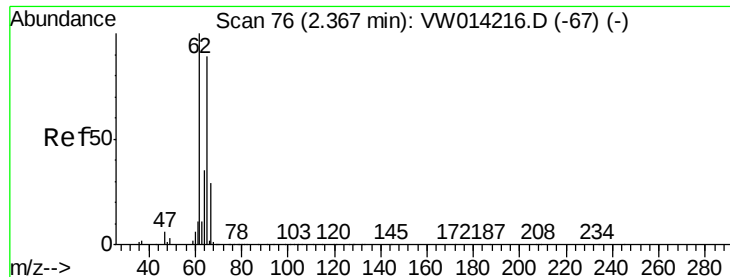
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 25.139 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

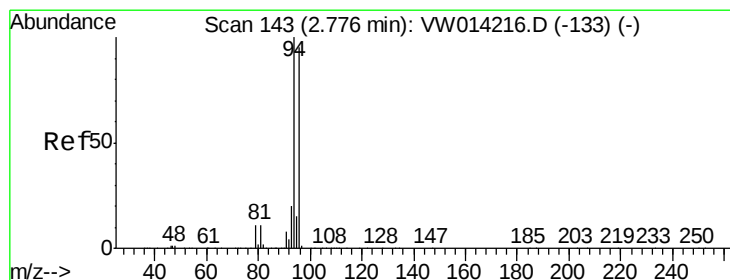
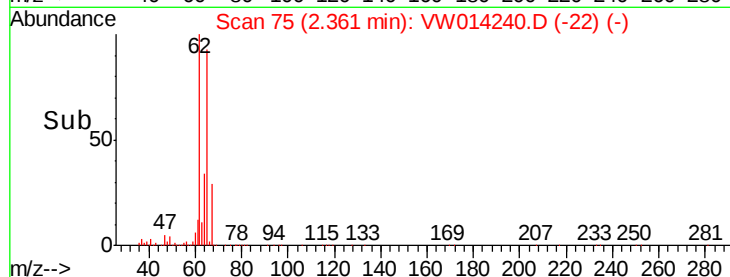
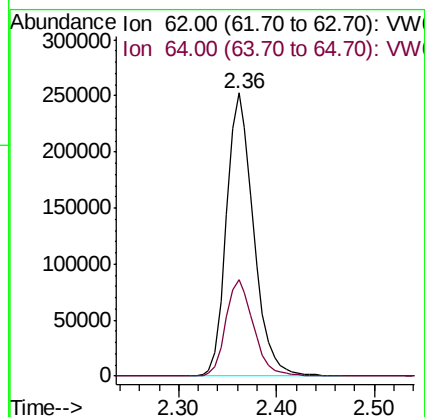
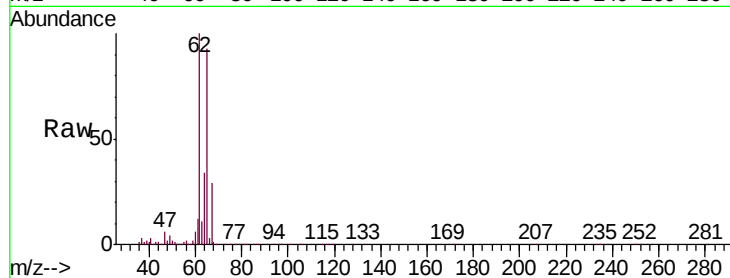
VSTD02508

Tgt Ion: 62 Resp: 484208

Ion Ratio Lower Upper

62 100

64 34.0 21.8 40.4



#6

Bromomethane

Concen: 24.099 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014240.D

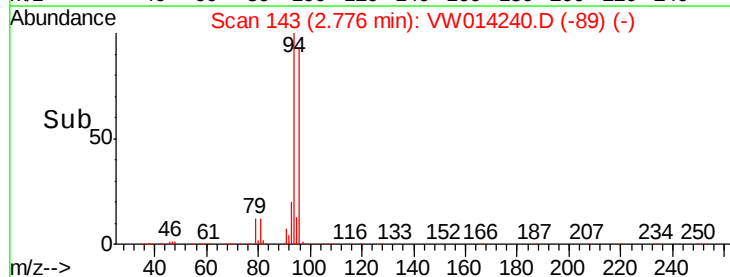
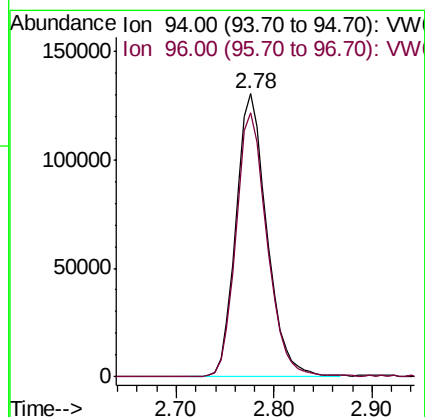
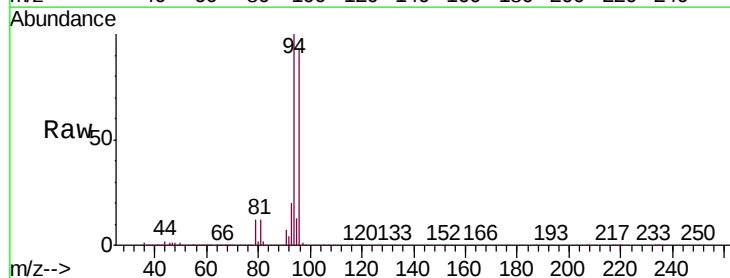
Acq: 06 Dec 2019 09:07

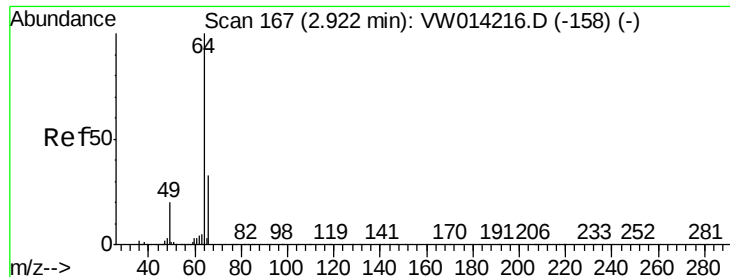
Tgt Ion: 94 Resp: 286314

Ion Ratio Lower Upper

94 100

96 93.7 9.4 178.8





#8

Chloroethane

Concen: 25.005 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

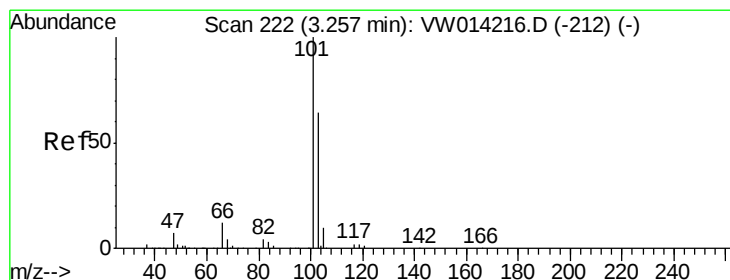
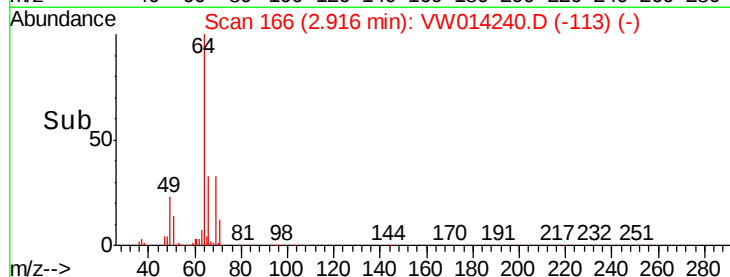
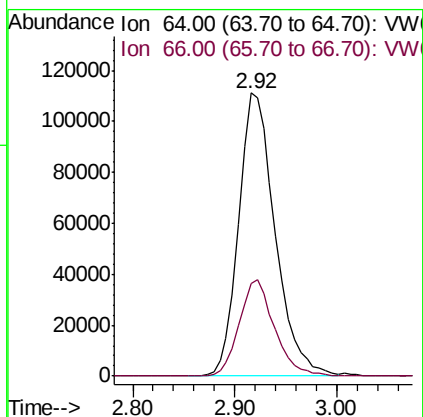
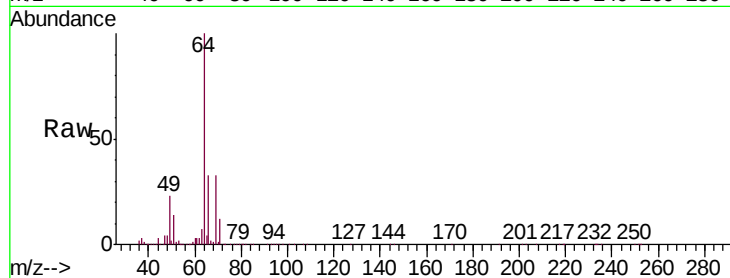
VSTD02508

Tgt Ion: 64 Resp: 275158

Ion Ratio Lower Upper

64 100

66 32.5 21.2 39.4



#9

Trichlorofluoromethane

Concen: 29.522 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014240.D

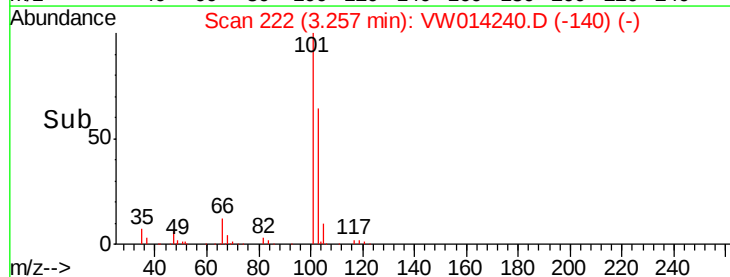
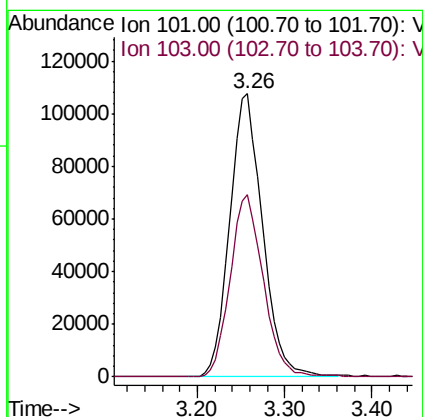
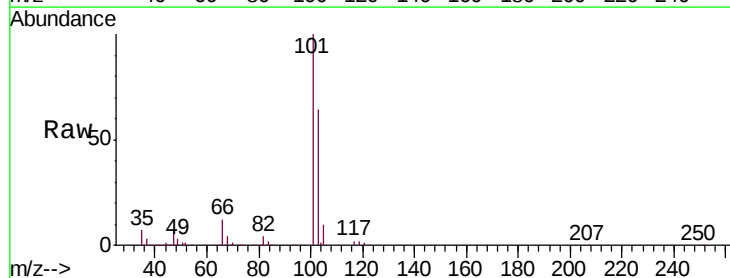
Acq: 06 Dec 2019 09:07

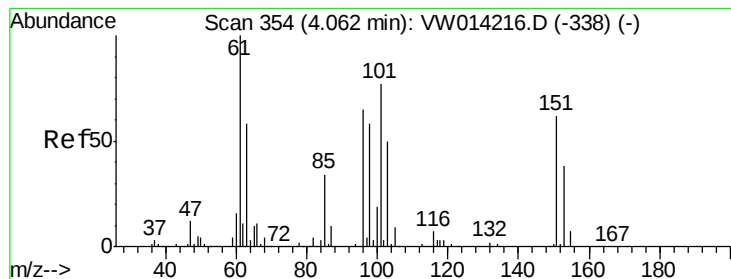
Tgt Ion: 101 Resp: 281504

Ion Ratio Lower Upper

101 100

103 64.8 45.4 84.2





#11

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

Concen: 23.933 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

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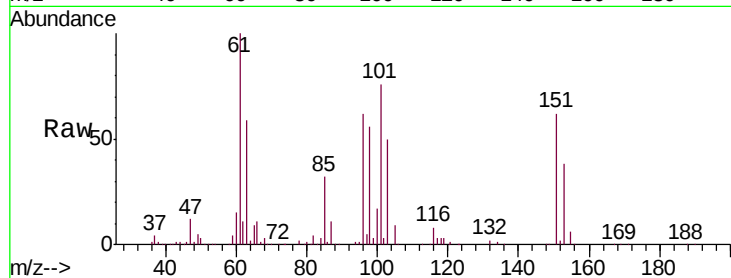
Tgt Ion: 101 Resp: 429485

Ion Ratio Lower Upper

101 100

85 41.1 31.4 47.2

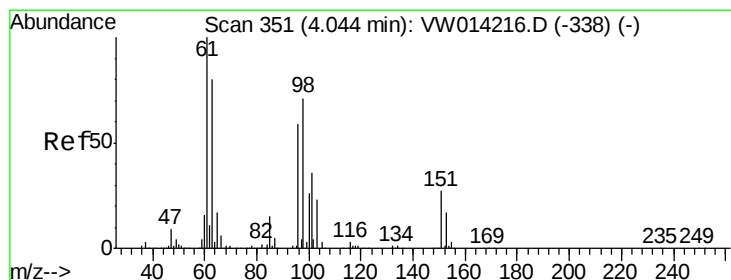
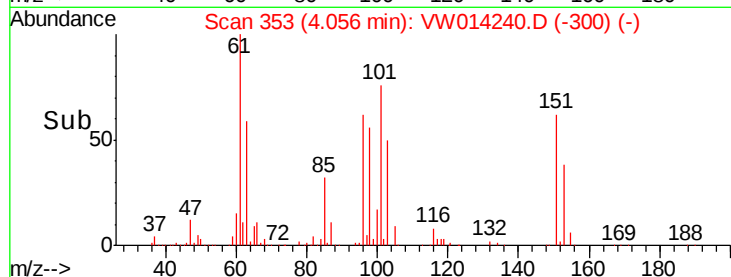
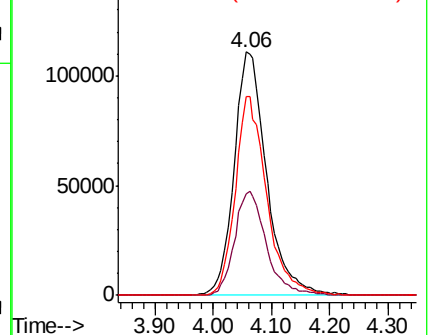
151 78.5 66.9 100.3



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: 23.910 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

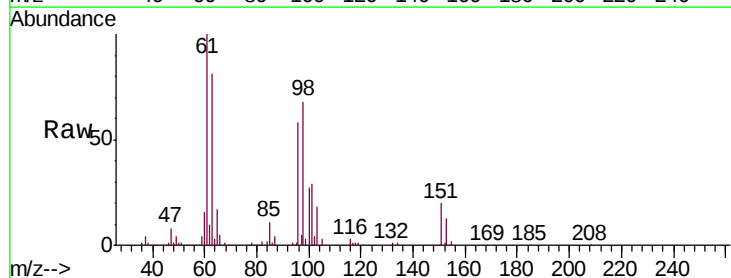
Tgt Ion: 96 Resp: 434395

Ion Ratio Lower Upper

96 100

61 171.4 109.8 204.0

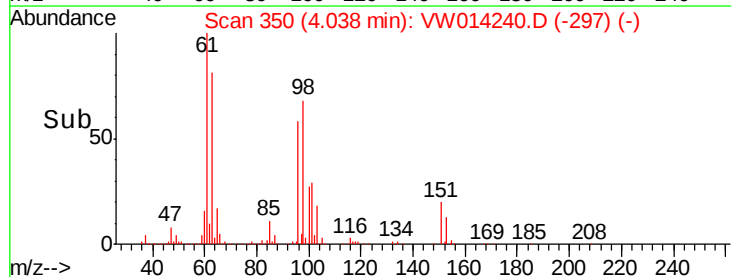
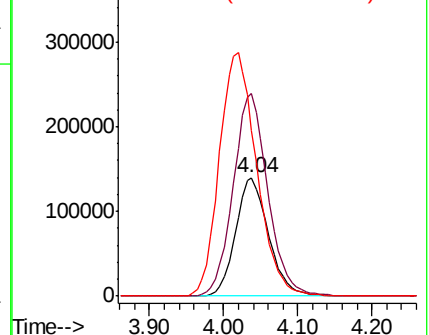
63 139.5 80.7 149.9

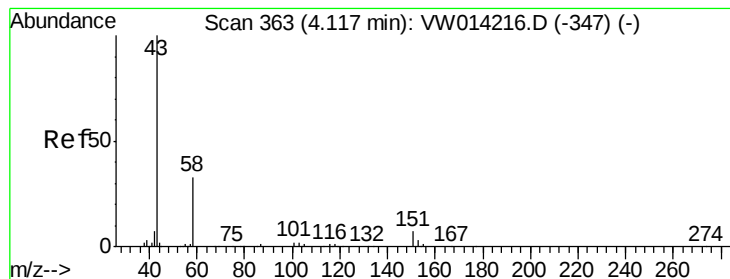


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.387 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

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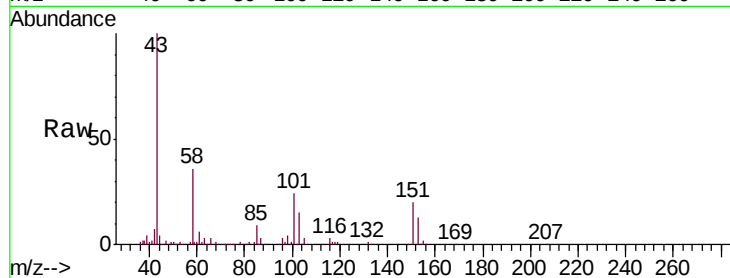
VSTD02508

Tgt Ion: 43 Resp: 271165

Ion Ratio Lower Upper

43 100

58 33.4 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.11

100000

80000

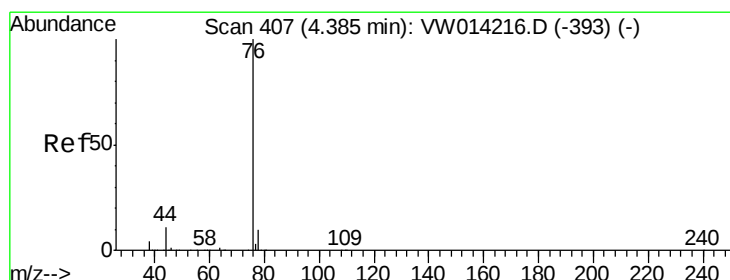
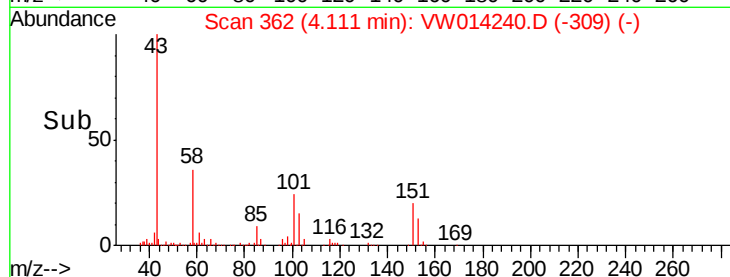
60000

40000

20000

0

Time--> 3.90 4.00 4.10 4.20 4.30



#14

Carbon disulfide

Concen: 24.382 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014240.D

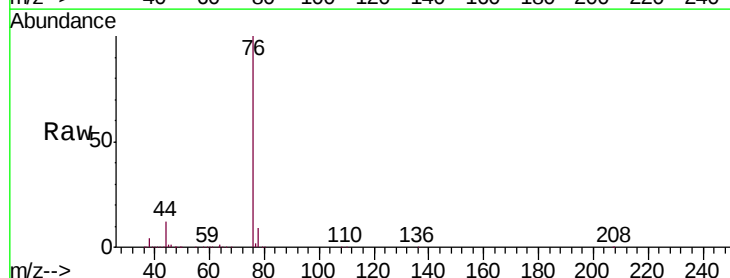
Acq: 06 Dec 2019 09:07

Tgt Ion: 76 Resp: 1358595

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

500000

400000

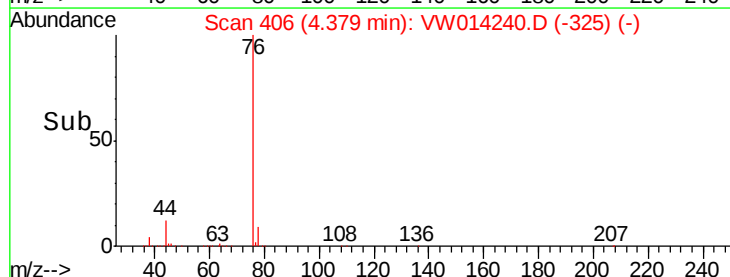
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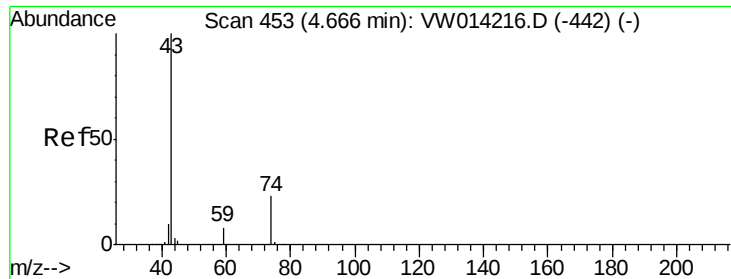
200000

100000

0

Time--> 4.20 4.30 4.40 4.50

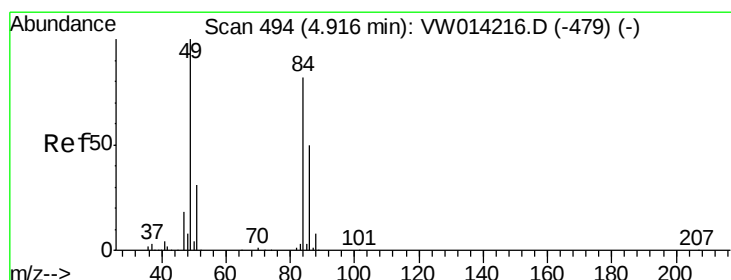
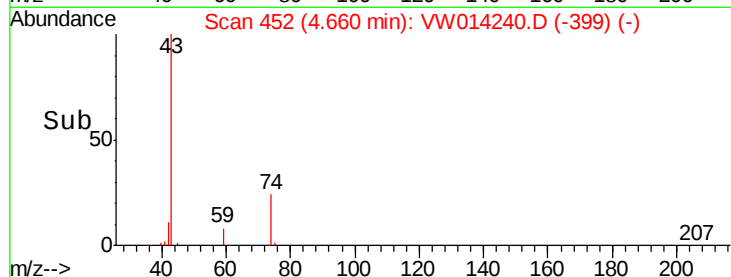
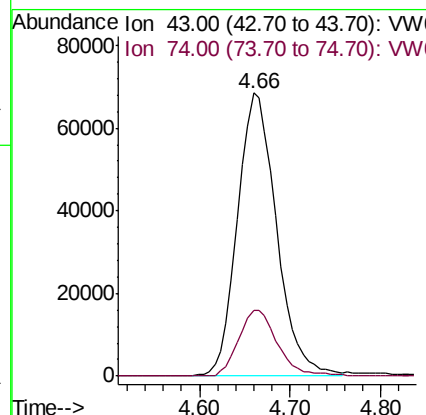
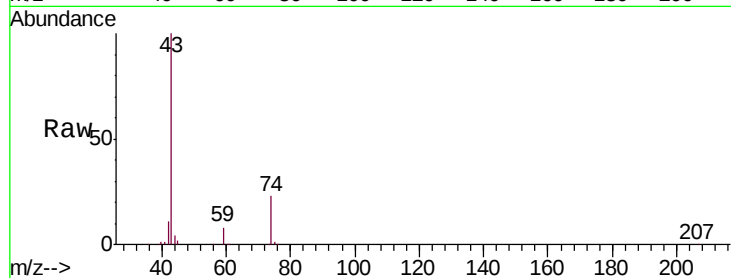




#15
Methyl Acetate
Concen: 20.724 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

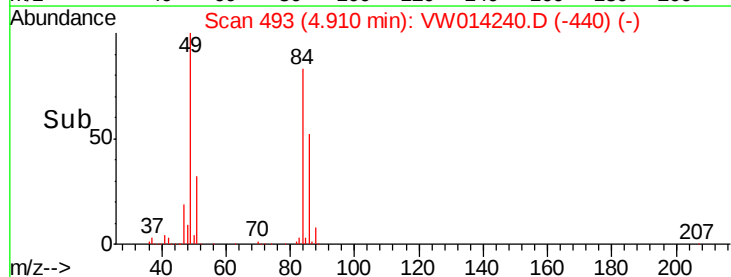
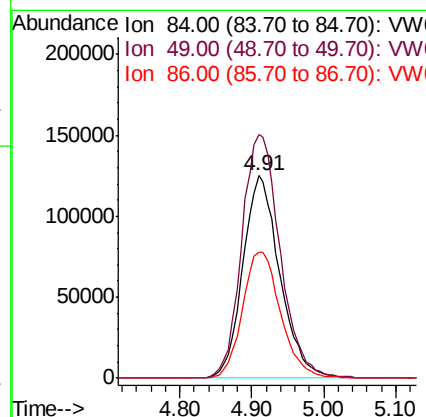
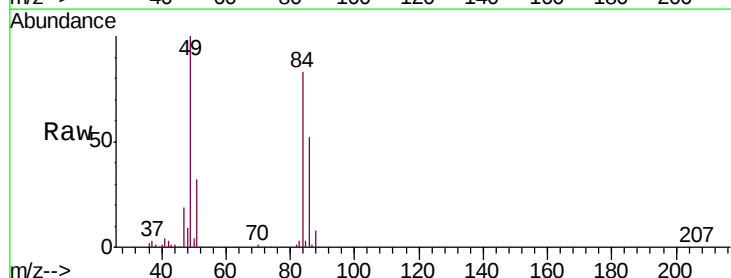
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

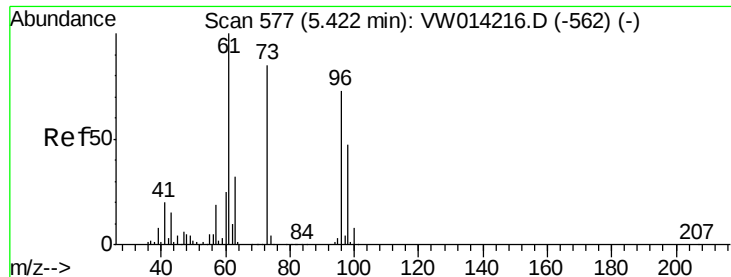
Tgt Ion: 43 Resp: 202903
Ion Ratio Lower Upper
43 100
74 22.8 19.3 28.9



#16
Methylene chloride
Concen: 21.343 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

Tgt Ion: 84 Resp: 445137
Ion Ratio Lower Upper
84 100
49 120.5 84.2 156.4
86 62.5 43.7 81.1

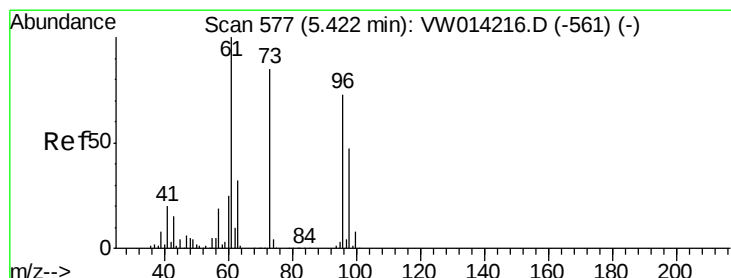
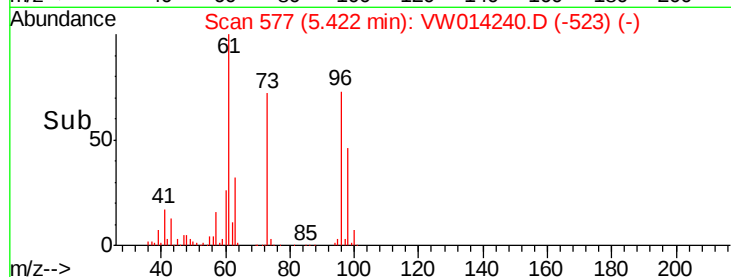
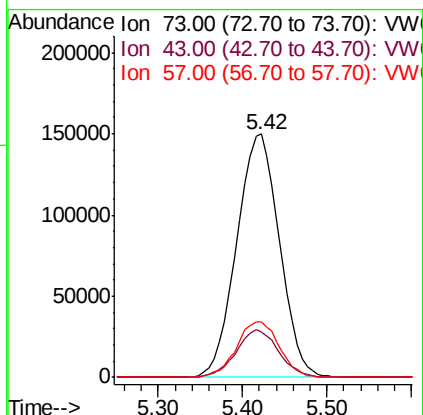
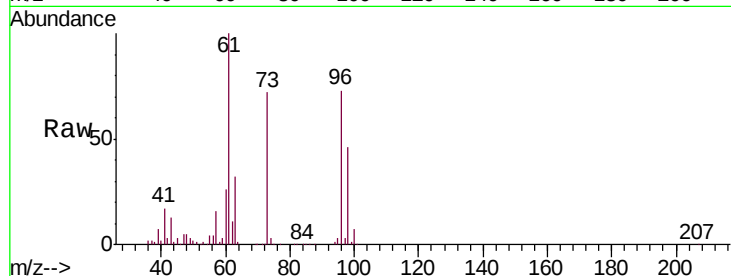




#17
Methyl tert-butyl Ether
Concen: 21.602 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

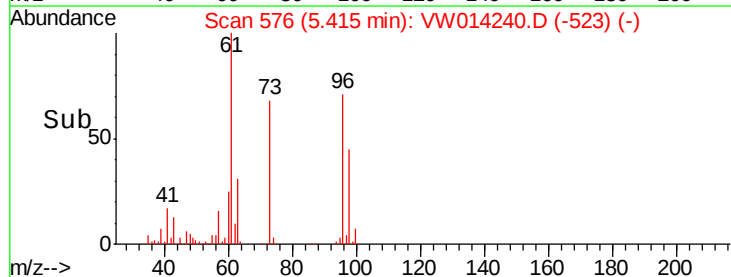
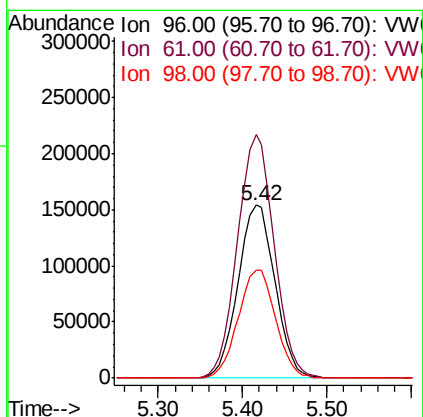
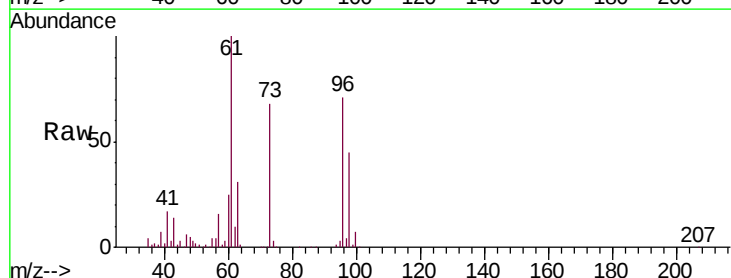
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

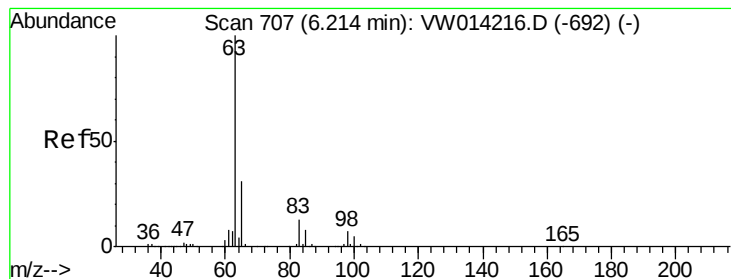
Tgt Ion: 73 Resp: 517549
Ion Ratio Lower Upper
73 100
43 19.3 15.5 23.3
57 22.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 23.552 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

Tgt Ion: 96 Resp: 458248
Ion Ratio Lower Upper
96 100
61 141.0 90.6 168.2
98 62.8 42.9 79.7





#19

1,1-Dichloroethane

Concen: 23.231 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

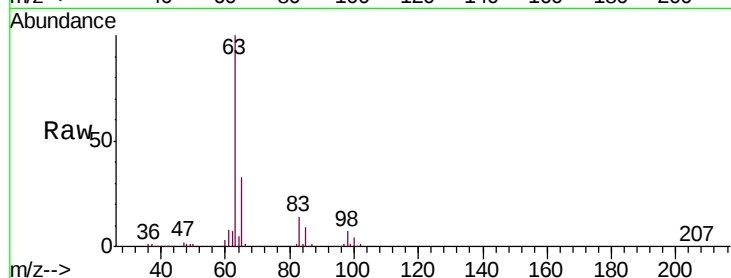
Tgt Ion: 63 Resp: 812060

Ion Ratio Lower Upper

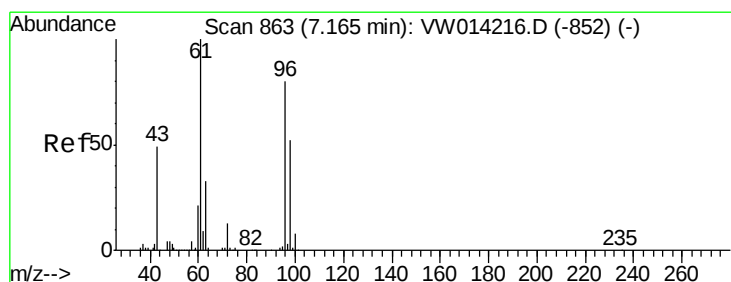
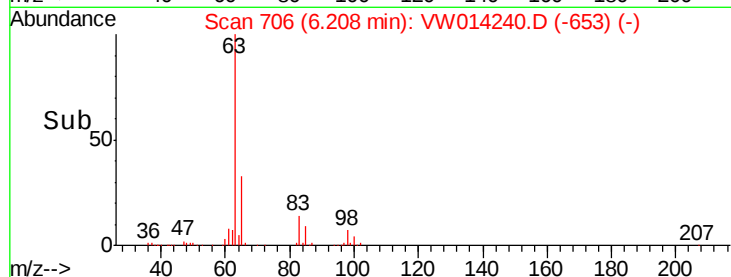
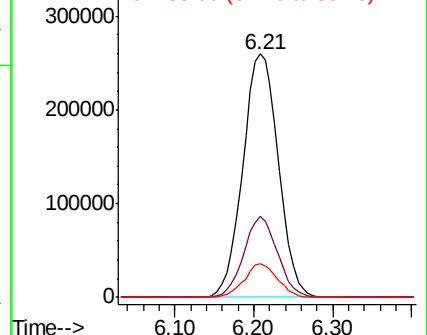
63 100

65 33.3 22.1 41.1

83 13.7 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 45.721 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014240.D

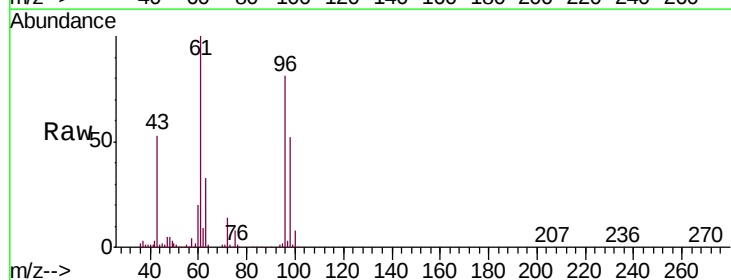
Acq: 06 Dec 2019 09:07

Tgt Ion: 43 Resp: 317732

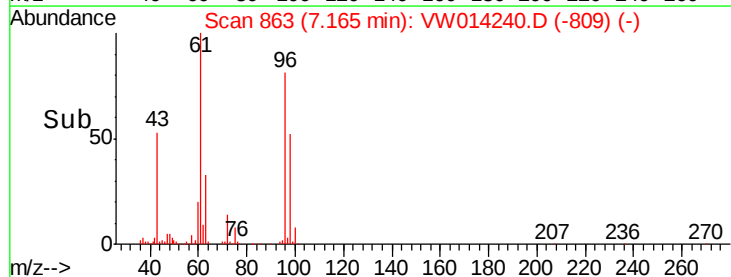
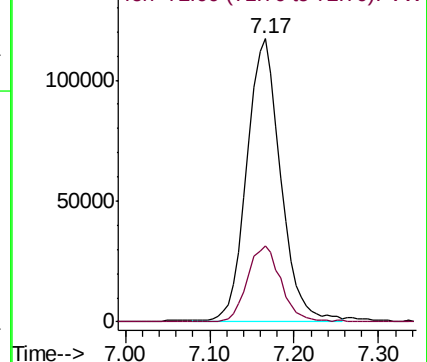
Ion Ratio Lower Upper

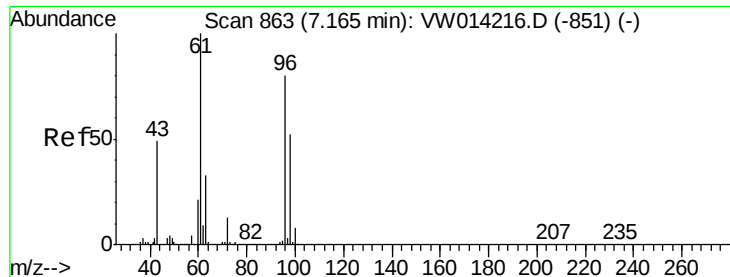
43 100

72 26.7 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



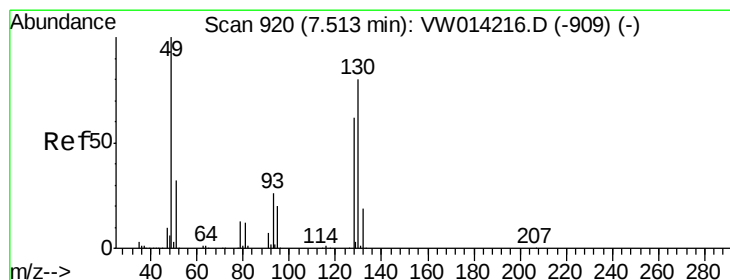
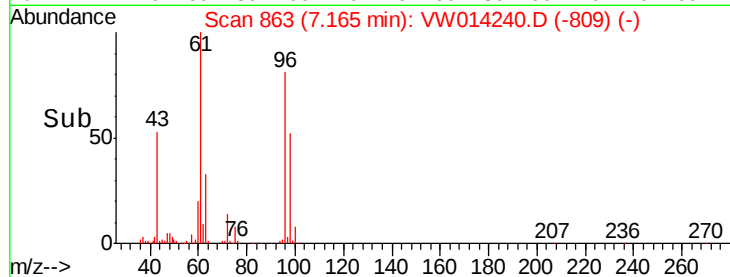
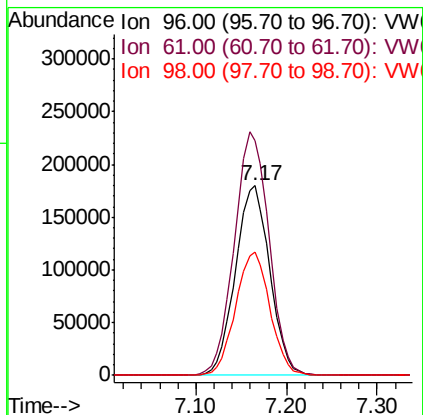
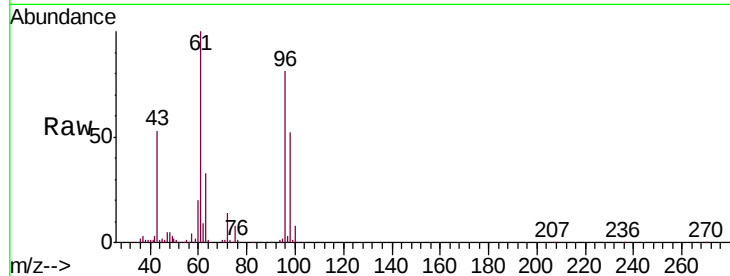


#22

cis-1,2-Dichloroethene
Concen: 22.945 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

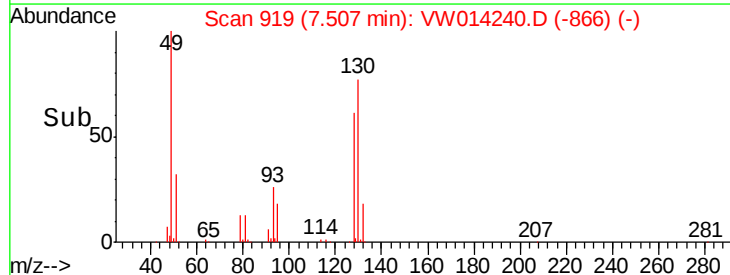
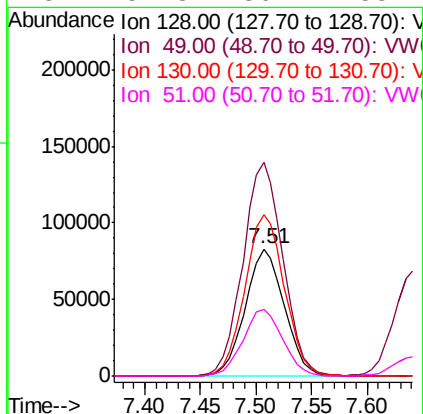
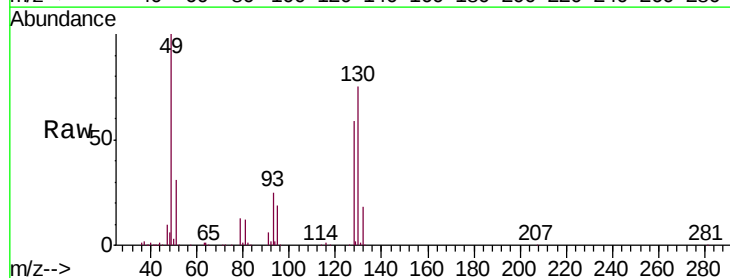
Tgt Ion: 96 Resp: 475021
Ion Ratio Lower Upper
96 100
61 123.9 86.9 161.5
98 64.7 45.5 84.5

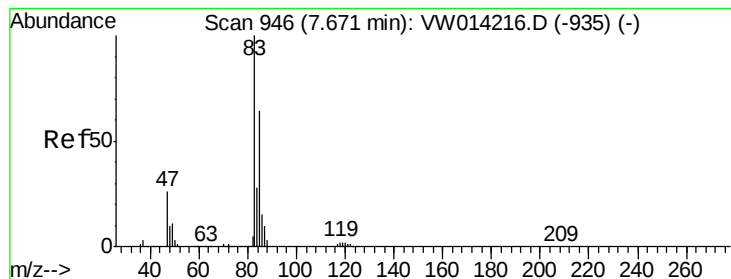


#23

Bromochloromethane
Concen: 21.236 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

Tgt Ion: 128 Resp: 202231
Ion Ratio Lower Upper
128 100
49 168.5 95.1 176.5
130 126.8 85.0 158.0
51 52.8 36.7 55.1





#25

Chloroform

Concen: 22.877 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

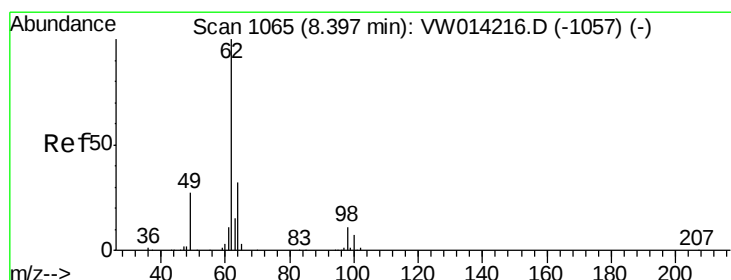
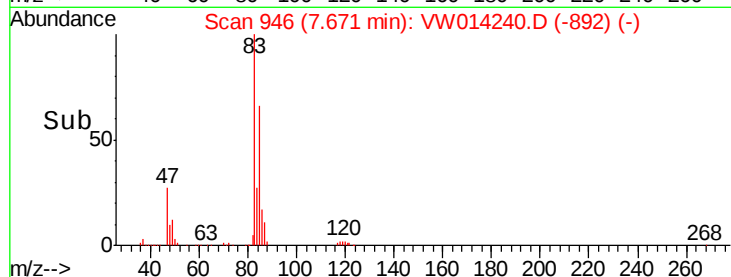
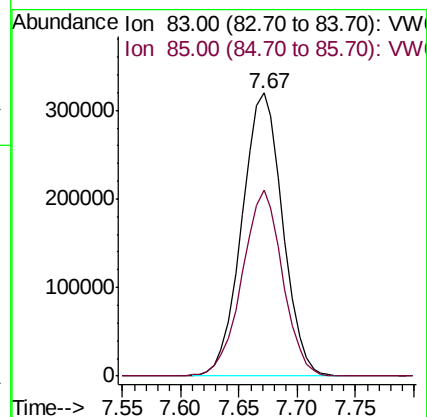
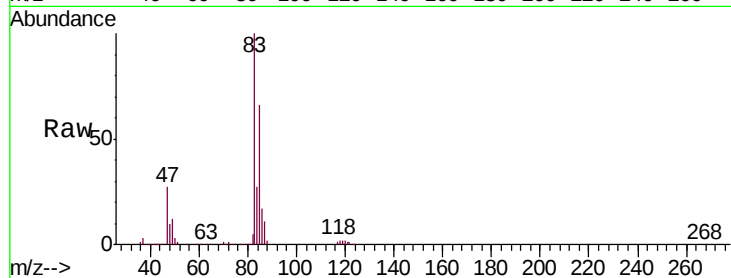
VSTD02508

Tgt Ion: 83 Resp: 777117

Ion Ratio Lower Upper

83 100

85 65.5 46.1 85.7



#27

1,2-Dichloroethane

Concen: 21.792 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014240.D

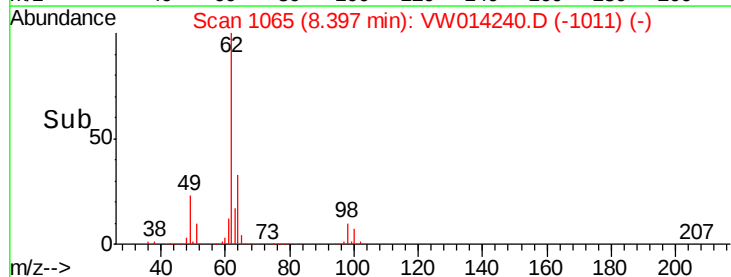
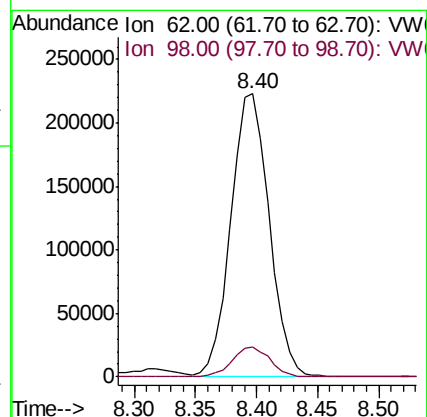
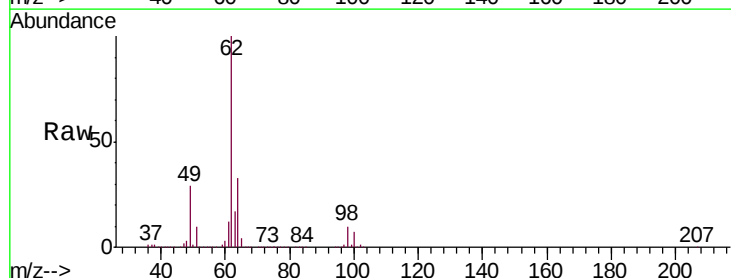
Acq: 06 Dec 2019 09:07

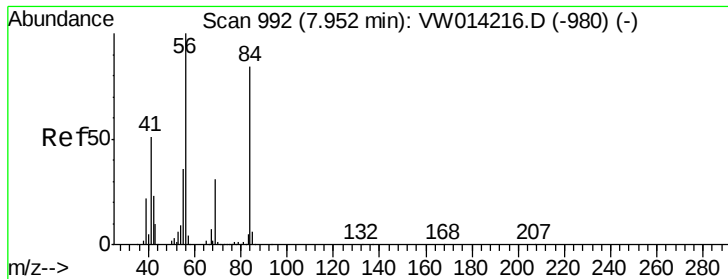
Tgt Ion: 62 Resp: 484724

Ion Ratio Lower Upper

62 100

98 10.4 9.3 13.9

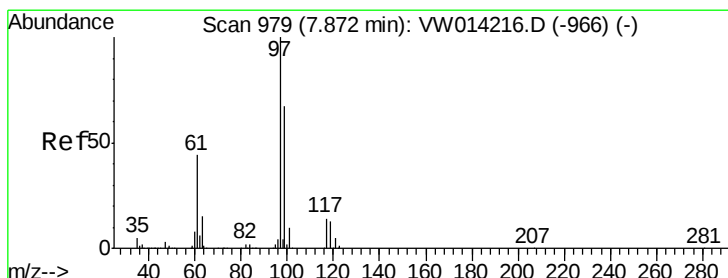
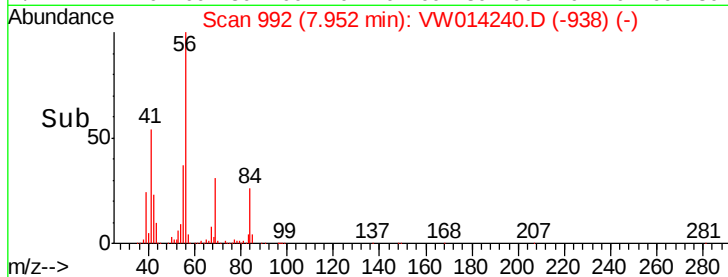
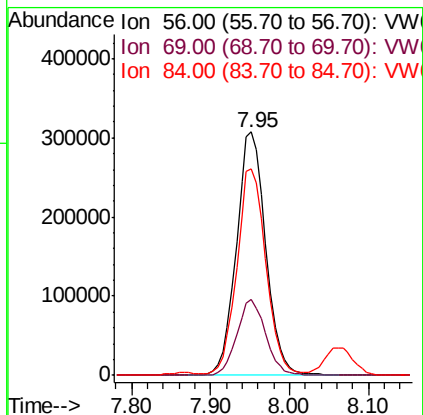
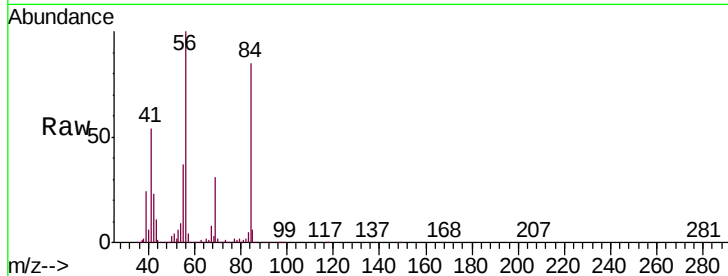




#30
Cyclohexane
Concen: 26.376 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

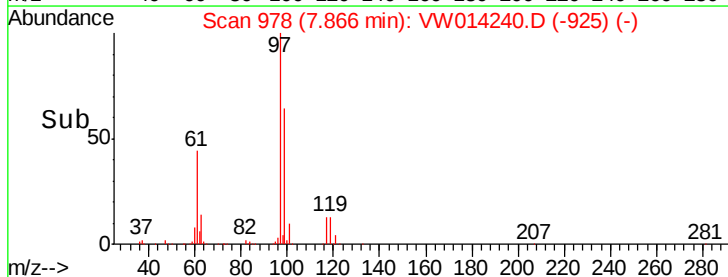
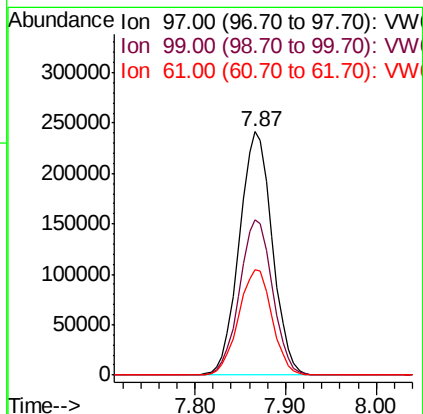
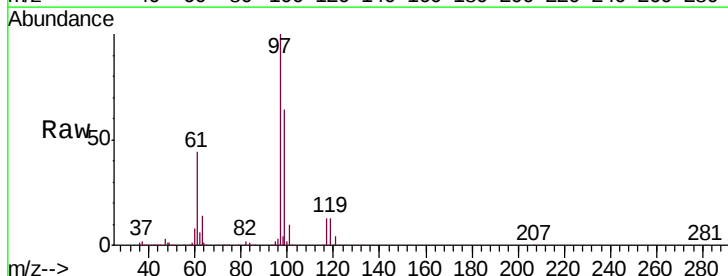
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

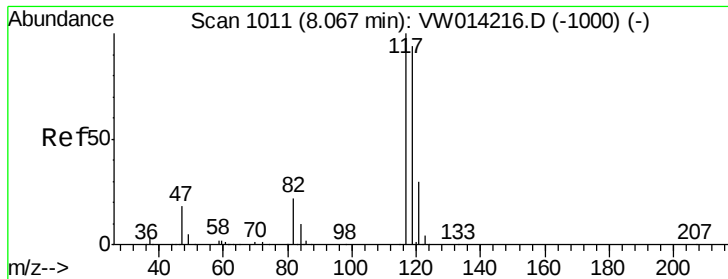
Tgt Ion: 56 Resp: 794387
Ion Ratio Lower Upper
56 100
69 30.5 24.6 37.0
84 84.5 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 25.106 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

Tgt Ion: 97 Resp: 608403
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 44.0 32.8 49.2





#32

Carbon tetrachloride

Concen: 24.976 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

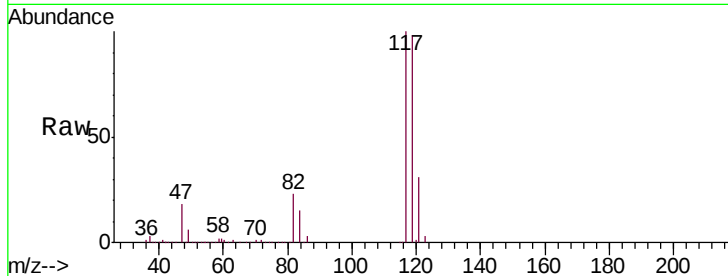
VSTD02508

Tgt Ion:117 Resp: 574279

Ion Ratio Lower Upper

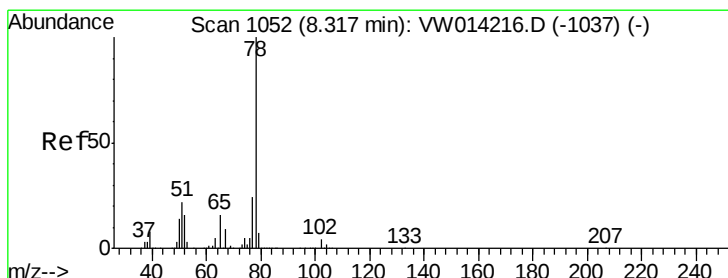
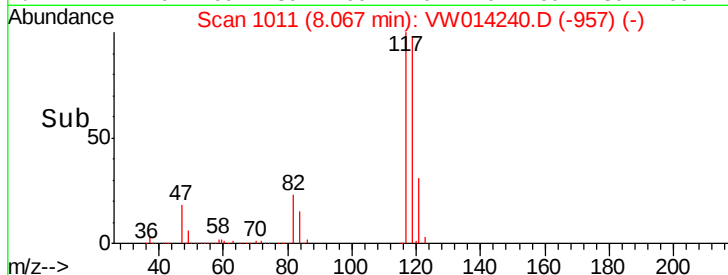
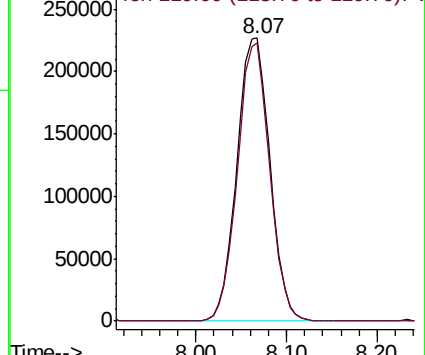
117 100

119 95.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.151 ug/L

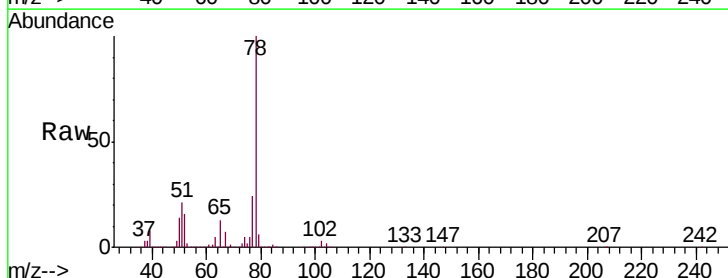
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

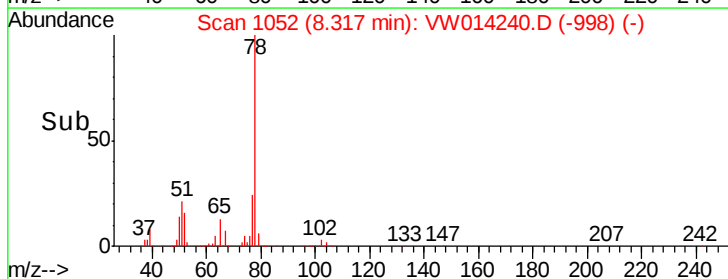
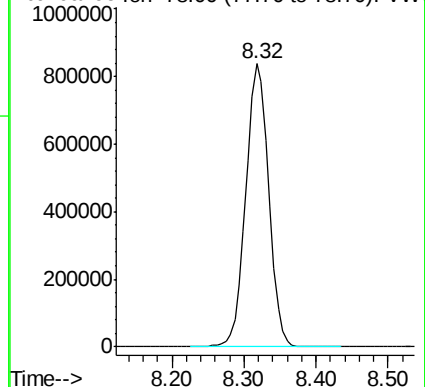
Lab File: VW014240.D

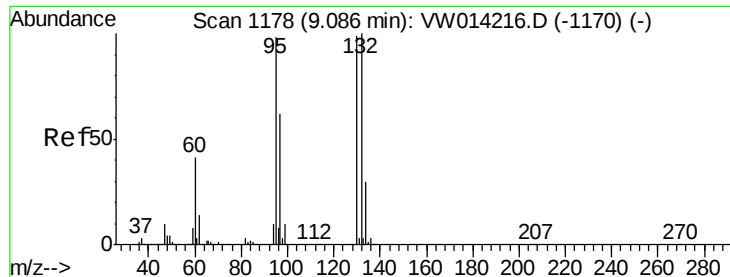
Acq: 06 Dec 2019 09:07

Tgt Ion: 78 Resp: 1845220



Abundance Ion 78.00 (77.70 to 78.70): VW

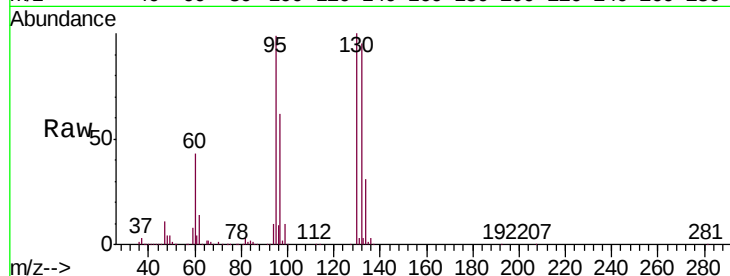




#35
 Trichloroethene
 Concen: 23.971 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014240.D
 Acq: 06 Dec 2019 09:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.1	83.9
132	98.2	73.7	136.9
130	103.2	76.6	142.2



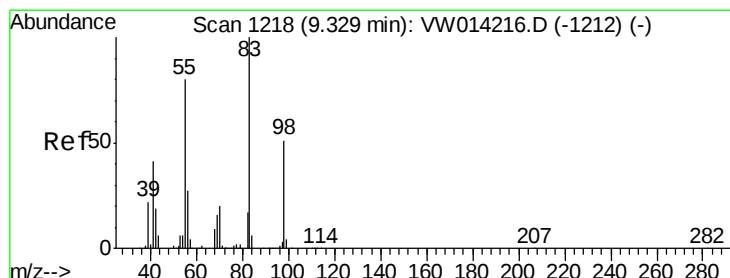
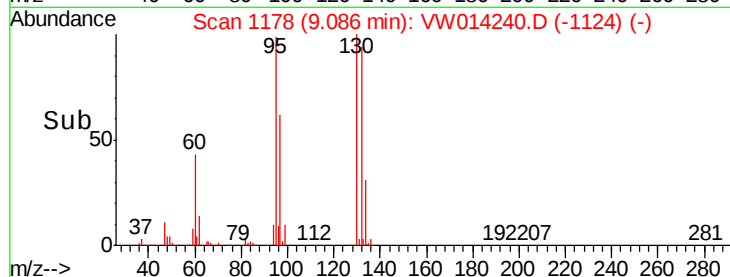
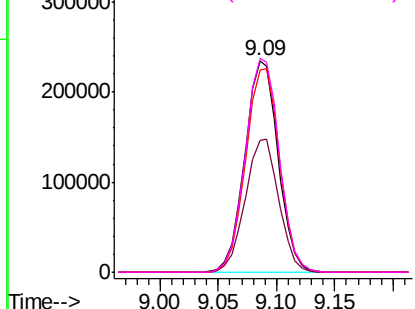
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

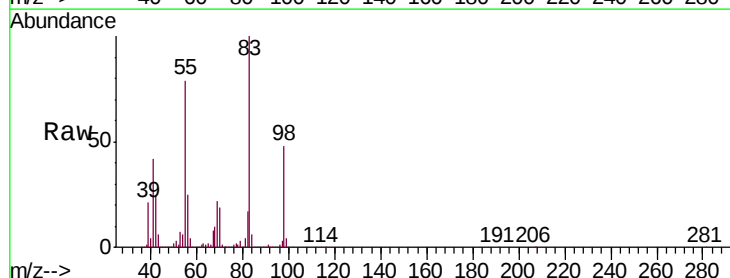
Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36
 Methylcyclohexane
 Concen: 25.485 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014240.D
 Acq: 06 Dec 2019 09:07

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.4	59.8	89.8
98	49.4	39.5	59.3

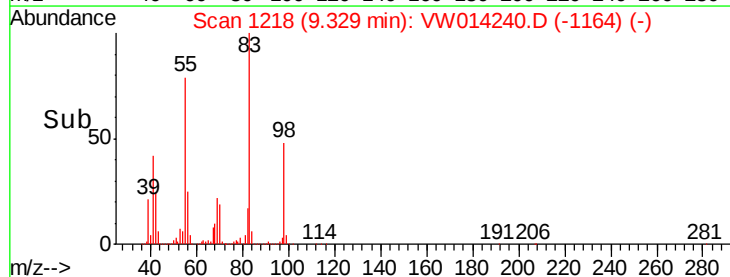
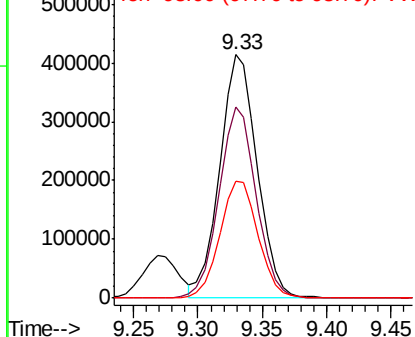


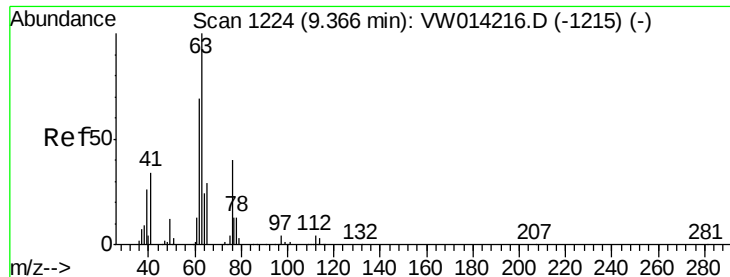
Abundance

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: 23.051 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

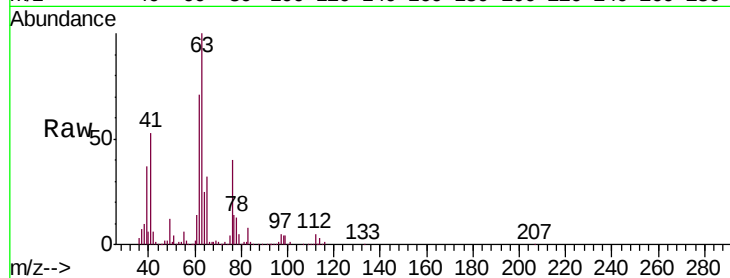
VSTD02508

Tgt Ion: 63 Resp: 452438

Ion Ratio Lower Upper

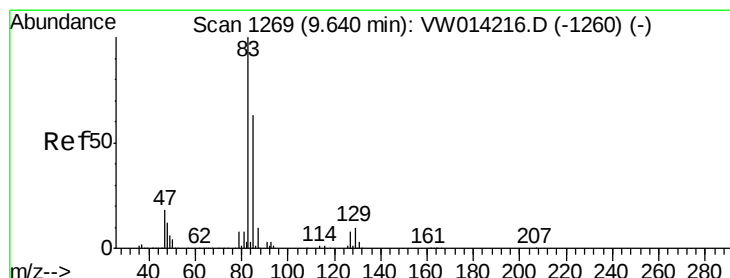
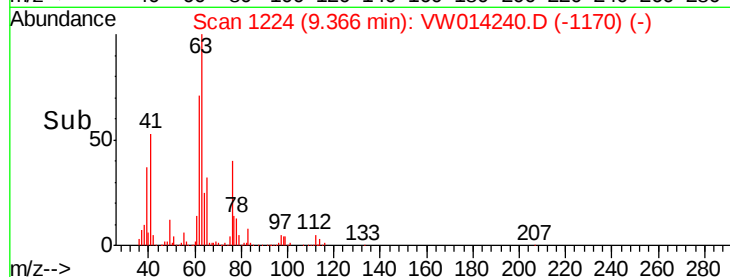
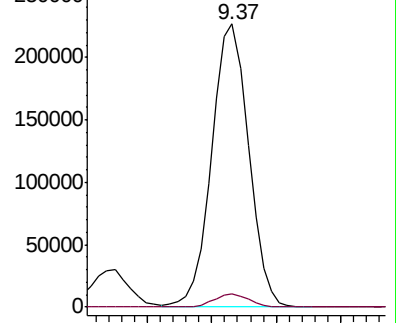
63 100

112 4.5 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: 22.509 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

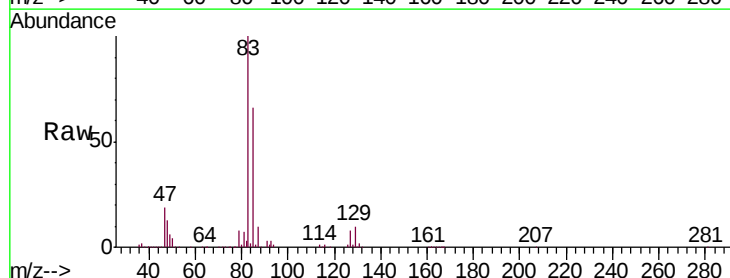
Tgt Ion: 83 Resp: 536927

Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.7

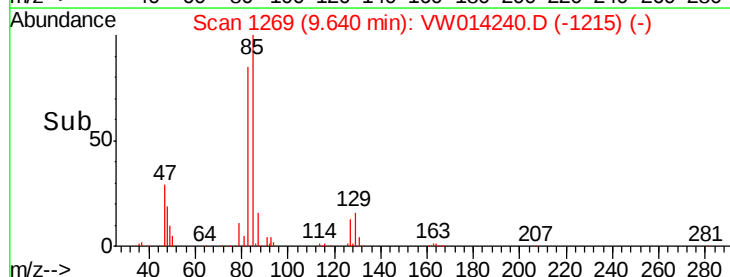
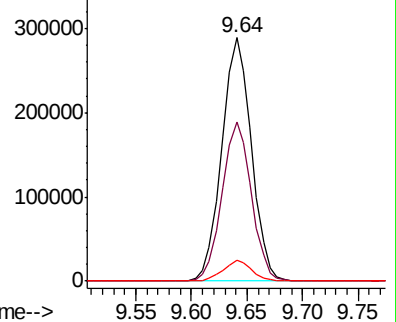
127 8.3 7.4 11.0

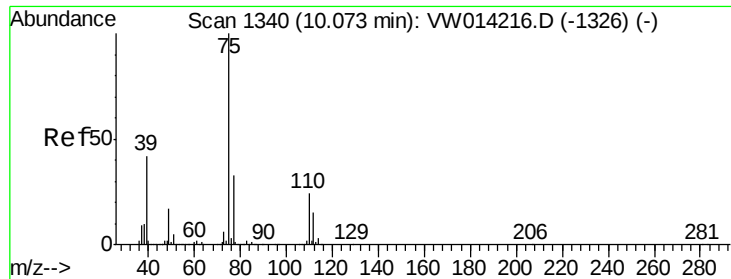


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.481 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

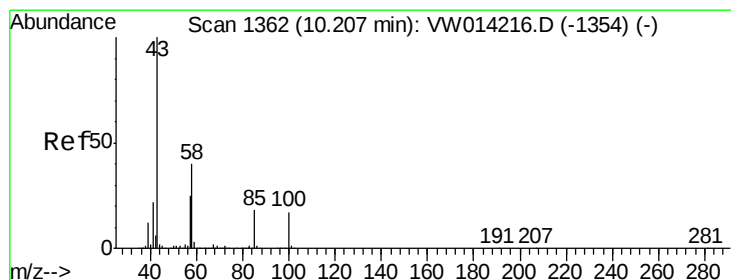
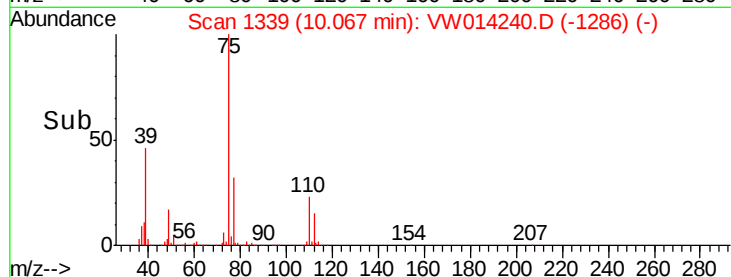
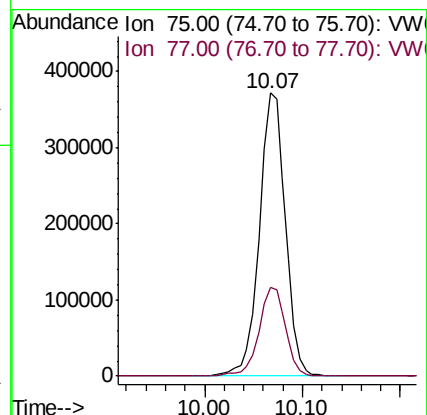
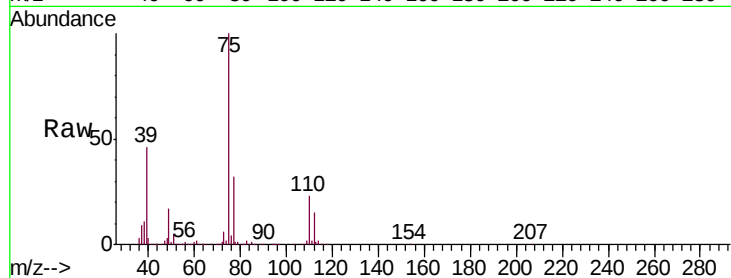
VSTD02508

Tgt Ion: 75 Resp: 690197

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 42.982 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

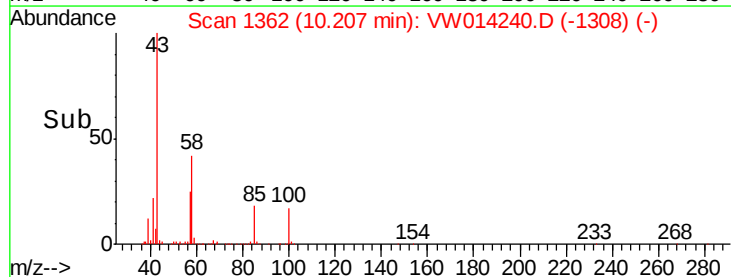
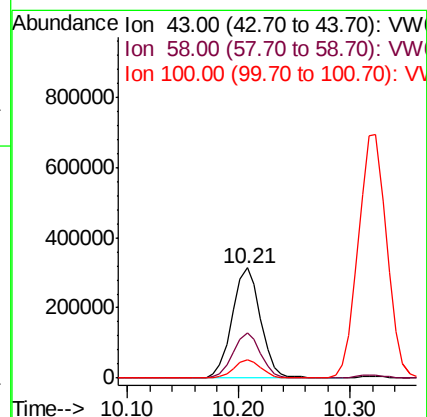
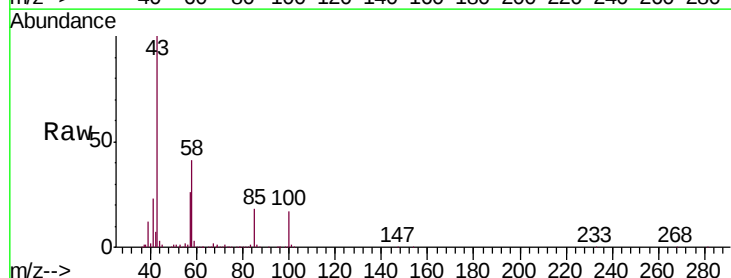
Tgt Ion: 43 Resp: 556316

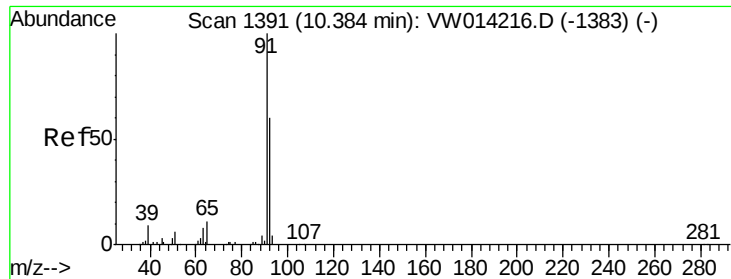
Ion Ratio Lower Upper

43 100

58 40.2 32.6 49.0

100 16.1 13.8 20.8





#44

Toluene

Concen: 24.405 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

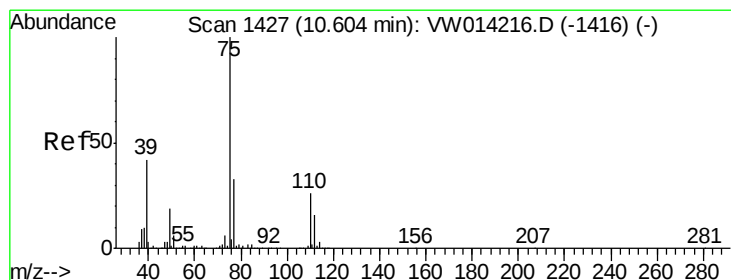
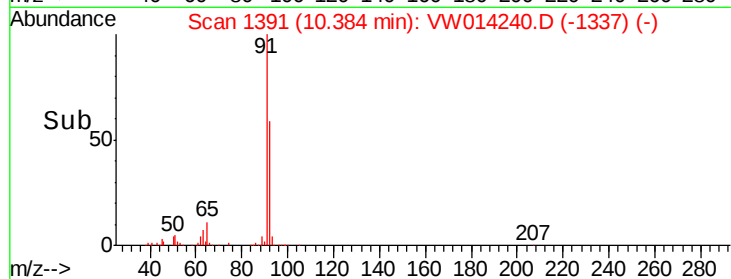
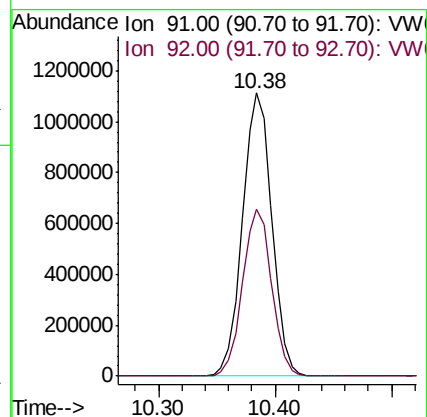
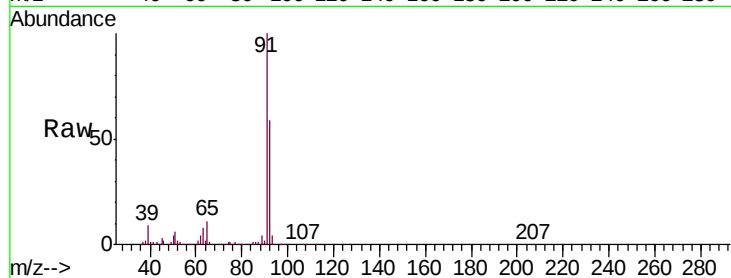
VSTD02508

Tgt Ion: 91 Resp: 1954832

Ion Ratio Lower Upper

91 100

92 59.1 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 23.011 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014240.D

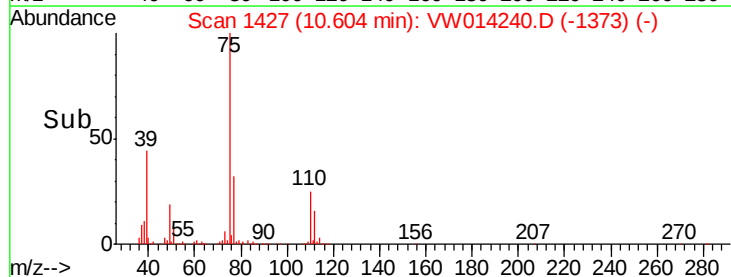
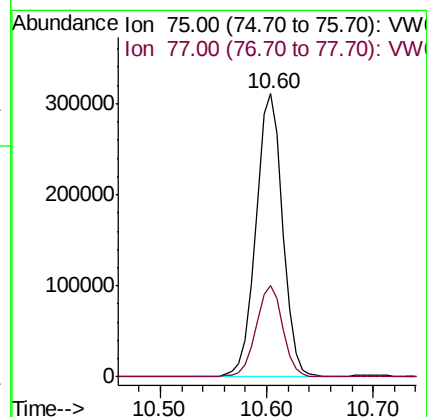
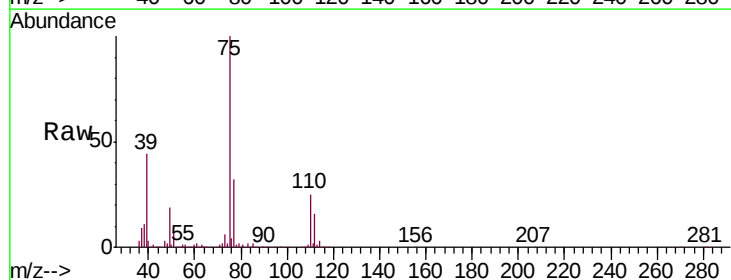
Acq: 06 Dec 2019 09:07

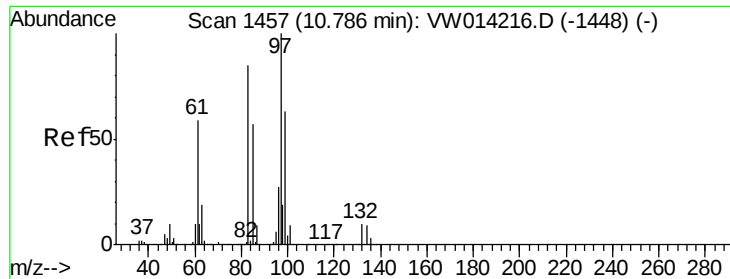
Tgt Ion: 75 Resp: 547531

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 21.532 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 97 Resp: 316695

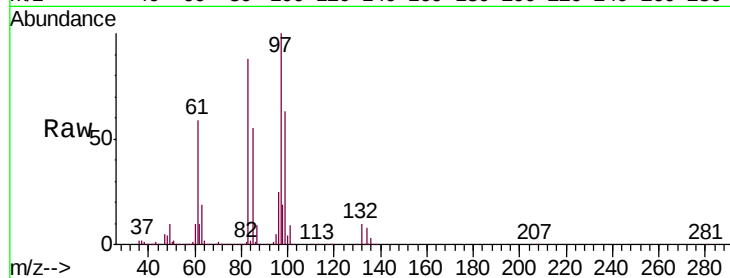
Ion Ratio Lower Upper

97 100

83 87.8 58.9 109.5

85 55.5 38.1 70.9

99 62.9 46.5 86.3



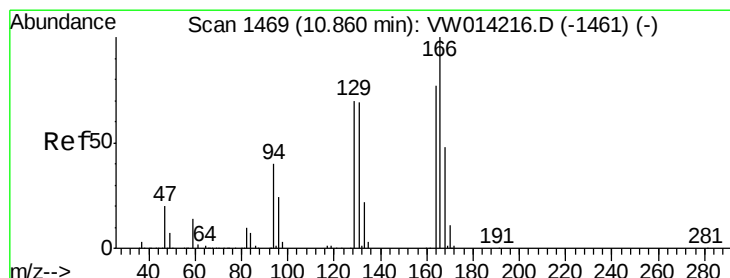
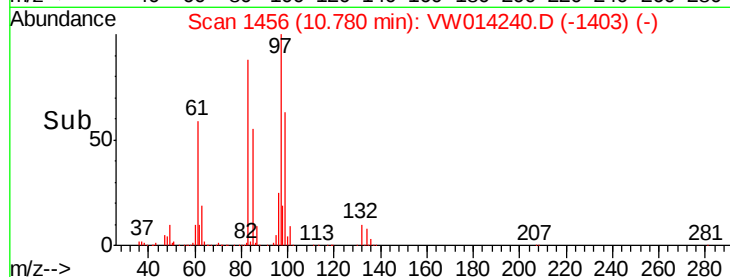
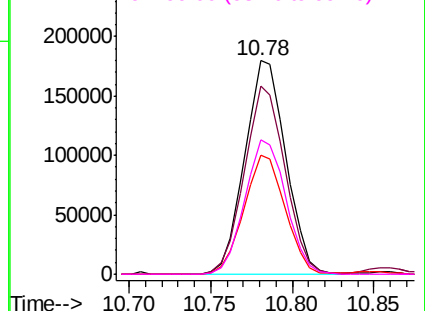
Abundance

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: 23.554 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Tgt Ion: 164 Resp: 383762

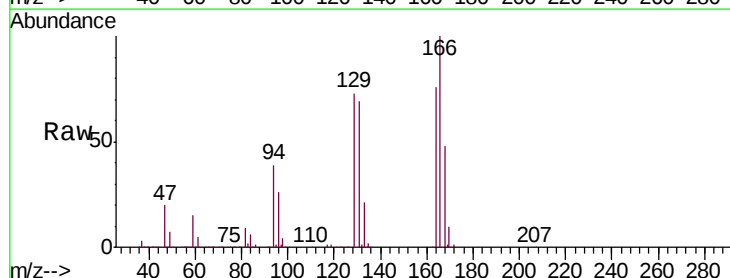
Ion Ratio Lower Upper

164 100

129 95.9 60.6 112.6

131 90.5 59.1 109.7

166 131.6 90.8 168.6



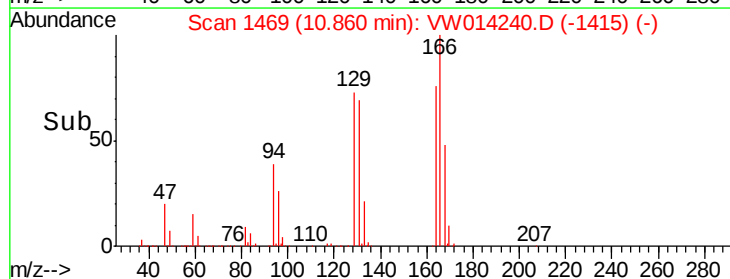
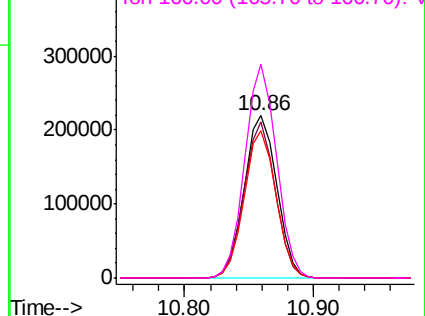
Abundance

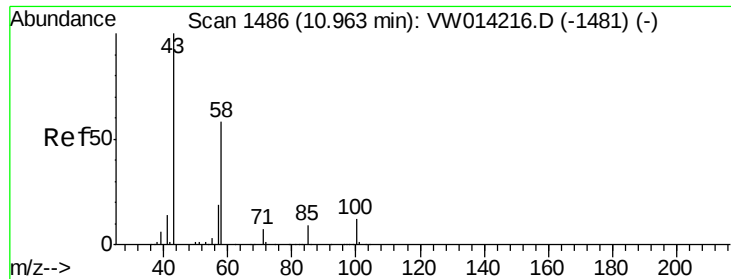
Ion 164.00 (163.70 to 164.70): V

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

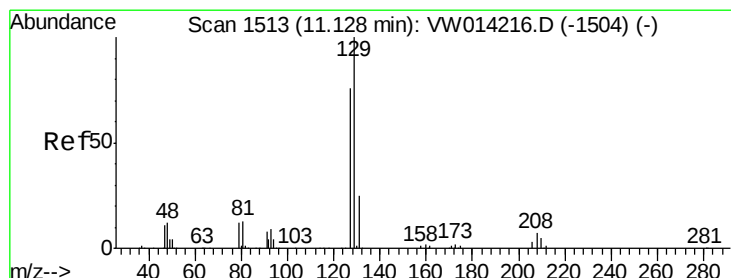
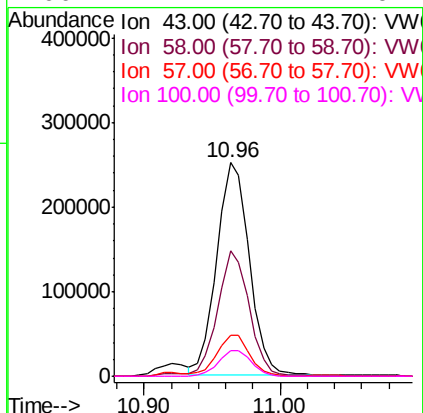
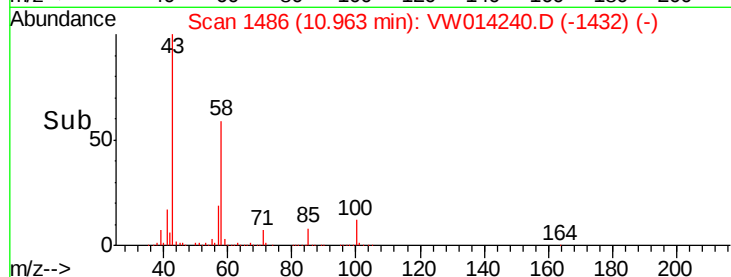
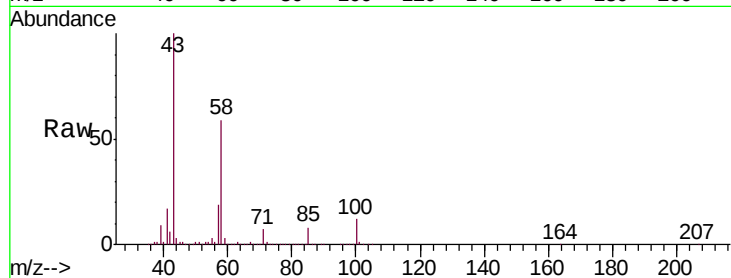




#49
2-Hexanone
Concen: 45.537 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

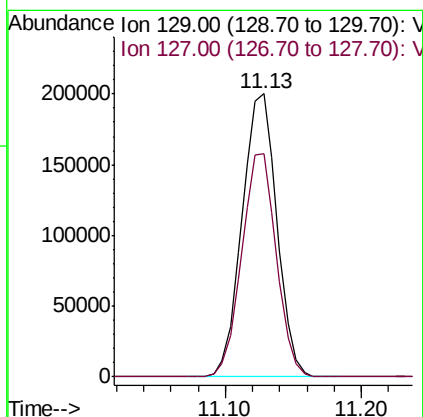
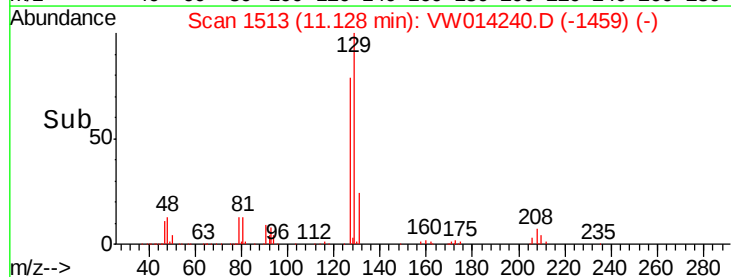
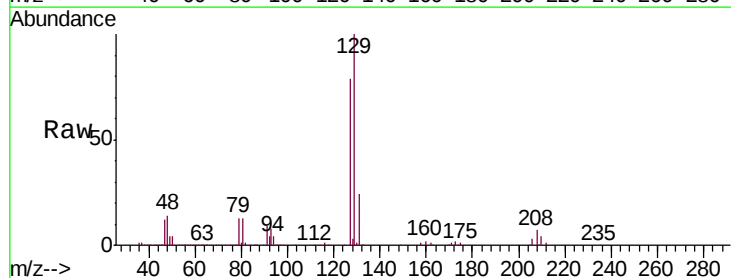
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

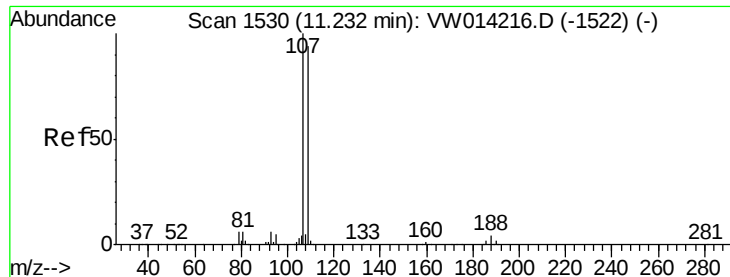
Tgt Ion:	43	Resp:	419613
Ion	Ratio	Lower	Upper
43	100		
58	56.6	44.4	66.6
57	19.5	16.5	24.7
100	12.4	11.1	16.7



#50
Dibromochloromethane
Concen: 21.767 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

Tgt Ion:	129	Resp:	359323
Ion	Ratio	Lower	Upper
129	100		
127	78.8	54.9	102.1

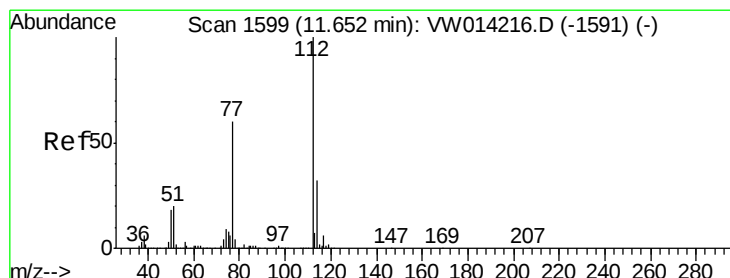
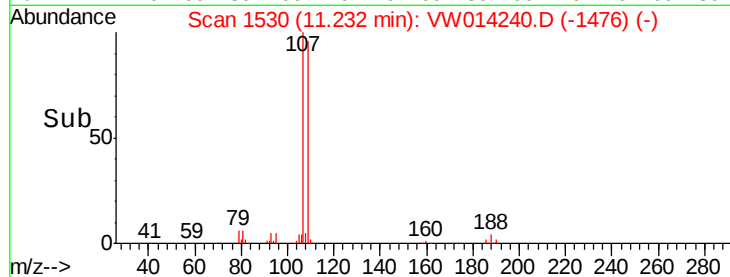
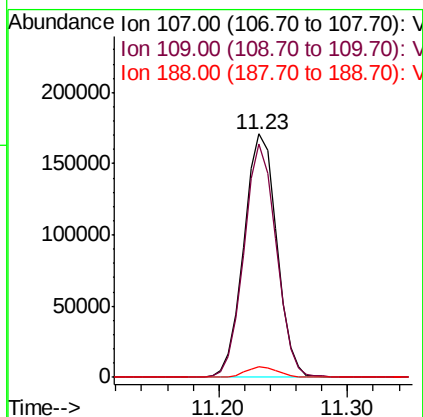
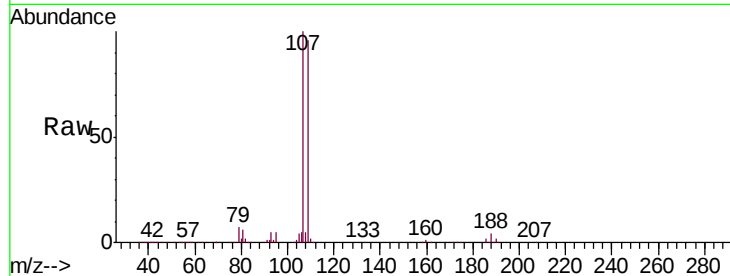




#51
1,2-Dibromoethane
Concen: 21.597 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

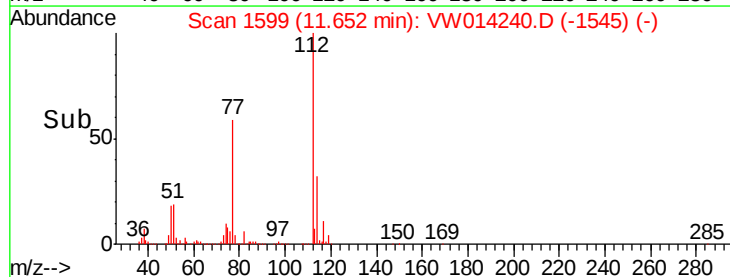
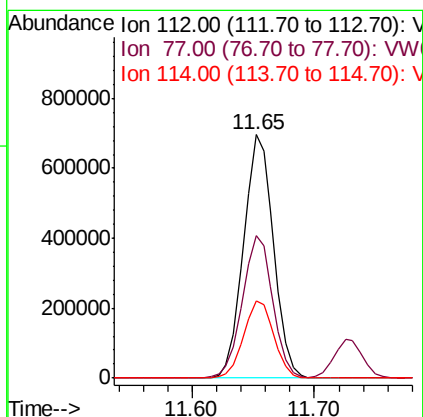
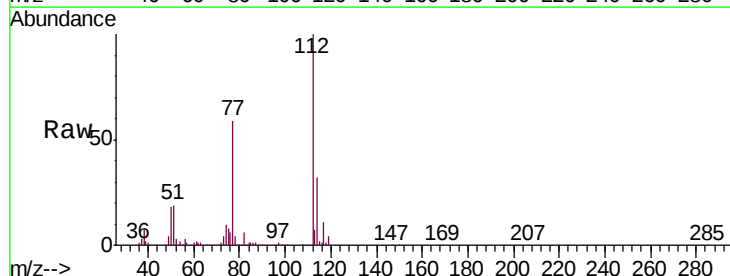
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

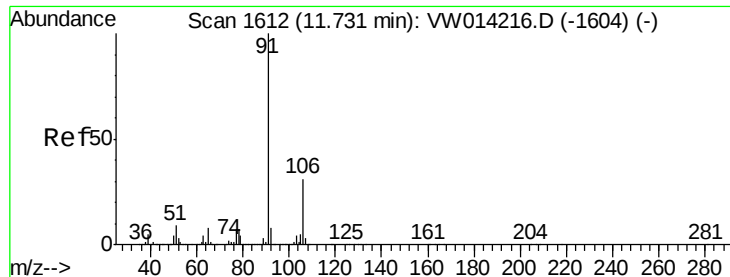
Tgt Ion:107 Resp: 300887
Ion Ratio Lower Upper
107 100
109 95.8 64.6 120.0
188 4.2 3.9 5.9



#52
Chlorobenzene
Concen: 22.885 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

Tgt Ion:112 Resp: 1184719
Ion Ratio Lower Upper
112 100
77 58.6 42.2 63.4
114 31.7 22.5 41.9





#53

Ethylbenzene

Concen: 24.342 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

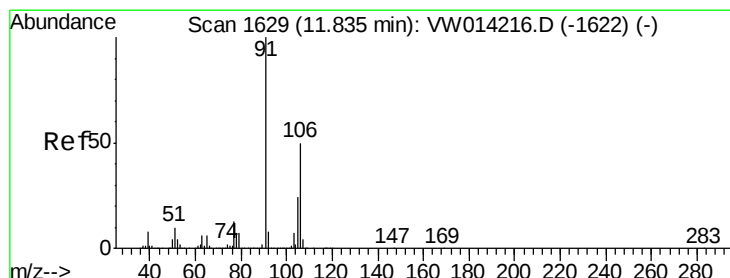
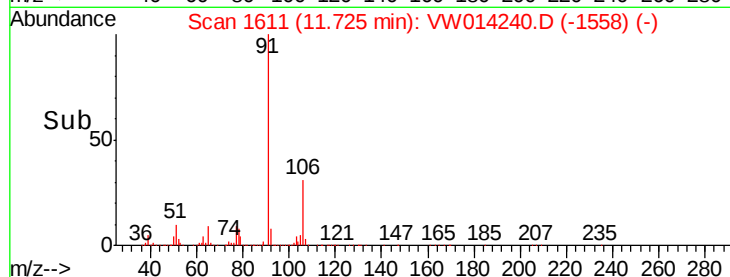
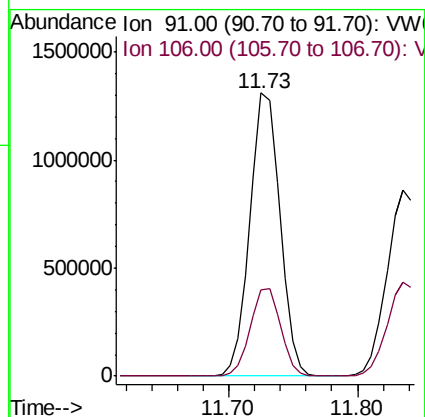
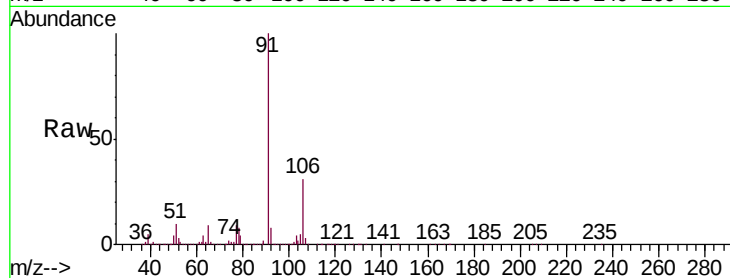
VSTD02508

Tgt Ion: 91 Resp: 2115641

Ion Ratio Lower Upper

91 100

106 30.7 22.3 41.5



#54

m,p-Xylene

Concen: 24.411 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014240.D

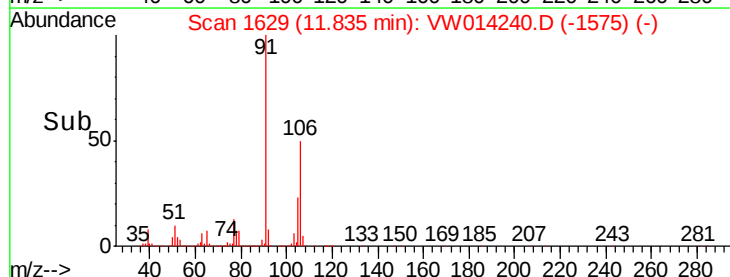
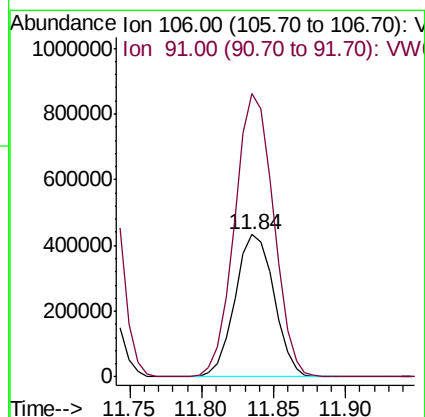
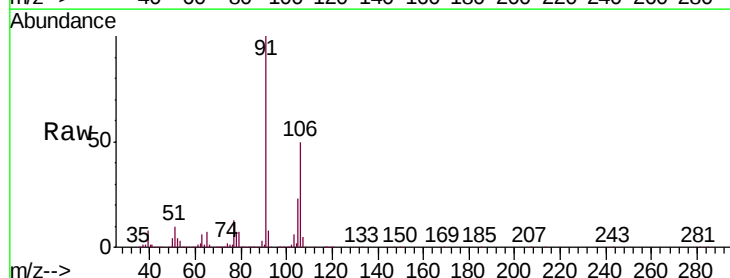
Acq: 06 Dec 2019 09:07

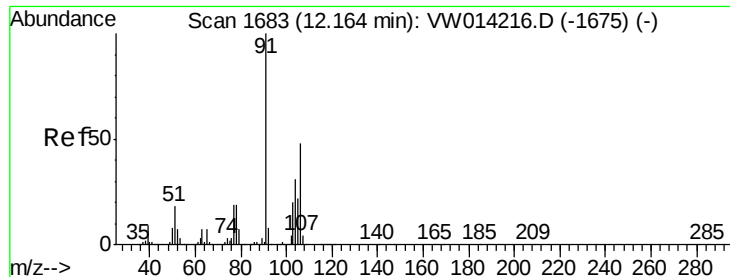
Tgt Ion: 106 Resp: 816156

Ion Ratio Lower Upper

106 100

91 199.3 138.7 257.5

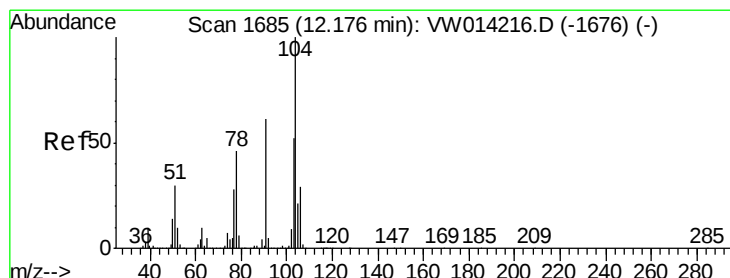
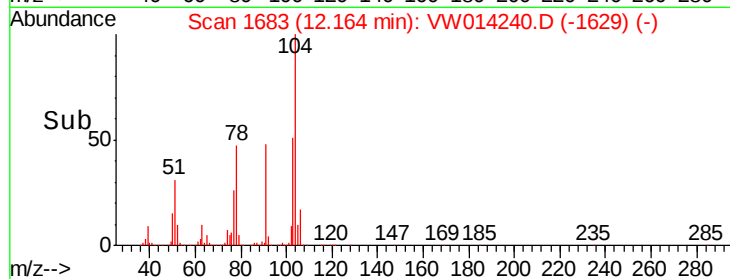
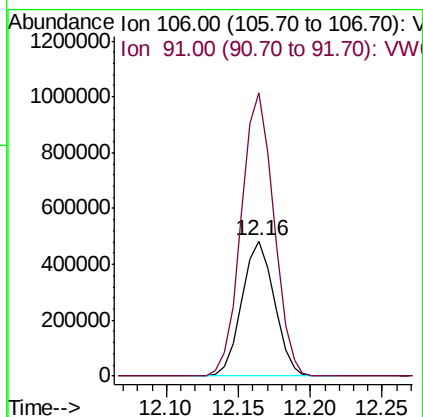
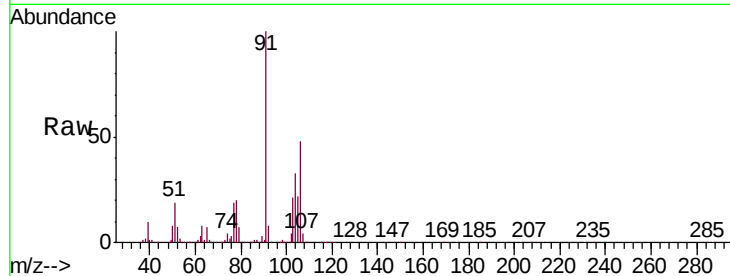




#55
o-xylene
Concen: 23.964 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

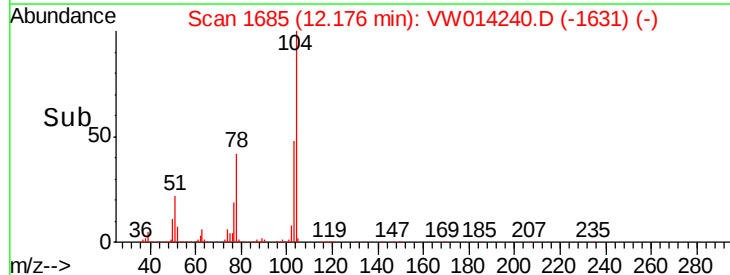
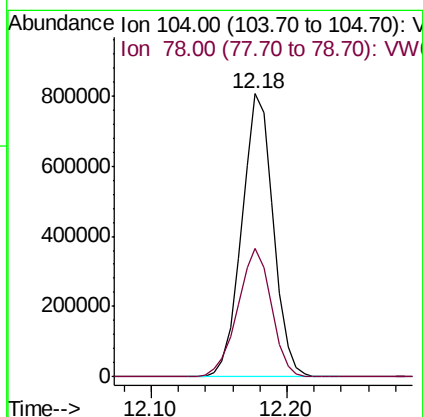
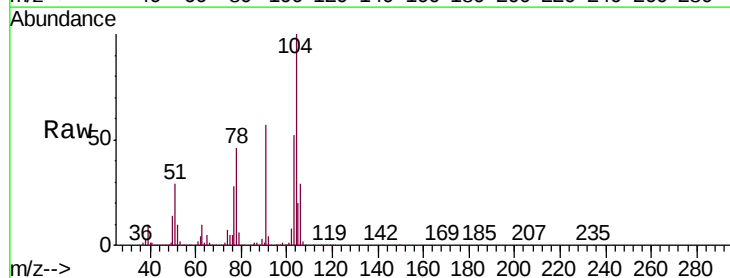
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

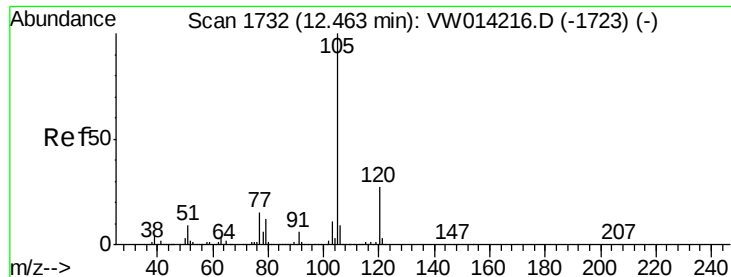
Tgt Ion:106 Resp: 759946
Ion Ratio Lower Upper
106 100
91 208.9 148.3 275.5



#56
Styrene
Concen: 23.886 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014240.D
Acq: 06 Dec 2019 09:07

Tgt Ion:104 Resp: 1295816
Ion Ratio Lower Upper
104 100
78 45.6 30.6 56.8





#57

Isopropylbenzene

Concen: 24.728 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

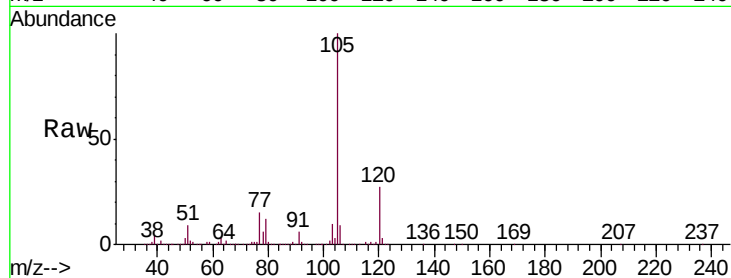
Tgt Ion: 105 Resp: 2035821

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

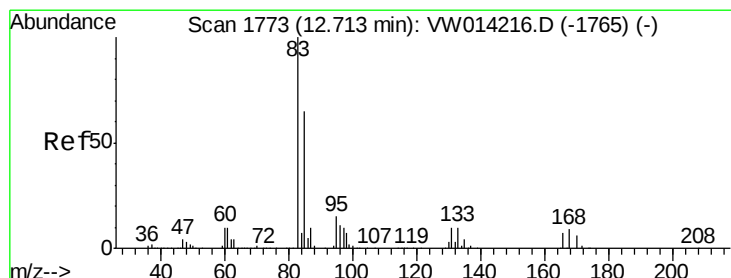
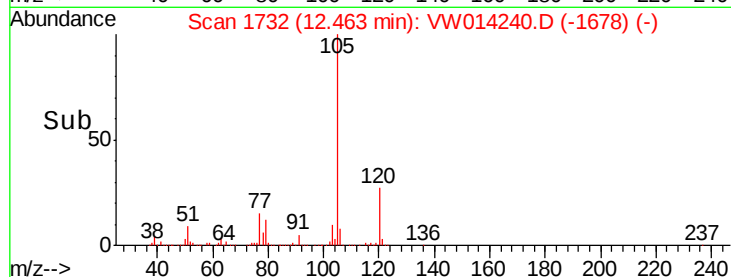
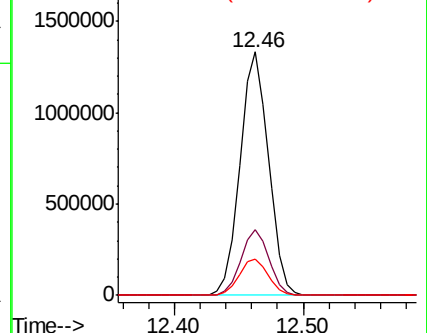
77 15.4 11.6 17.4



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: 20.938 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

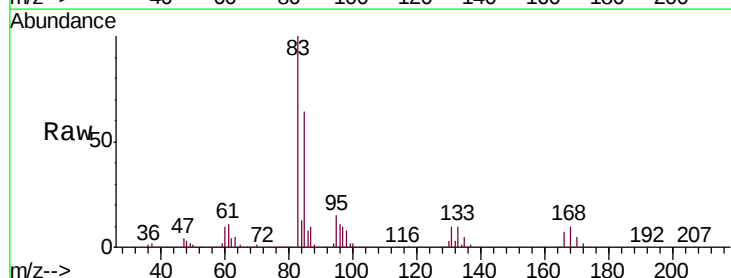
Tgt Ion: 83 Resp: 382232

Ion Ratio Lower Upper

83 100

85 63.9 43.7 81.1

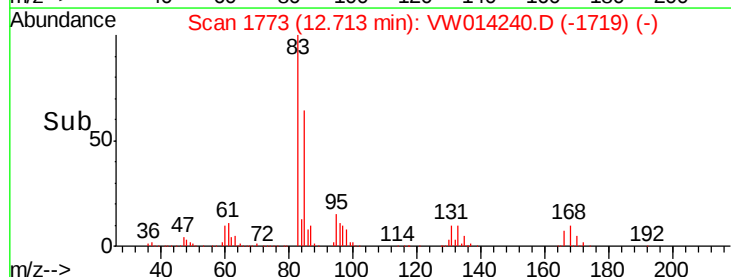
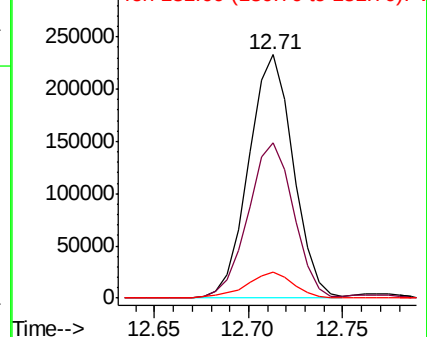
131 10.5 8.2 12.2

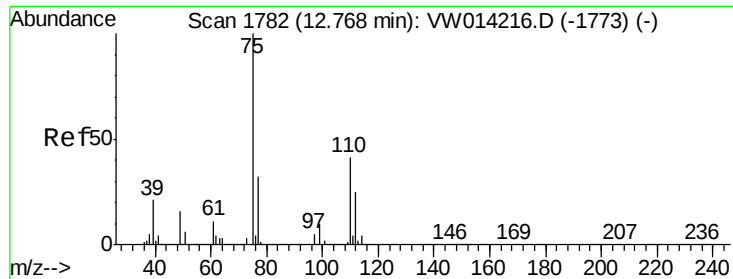


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 20.982 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

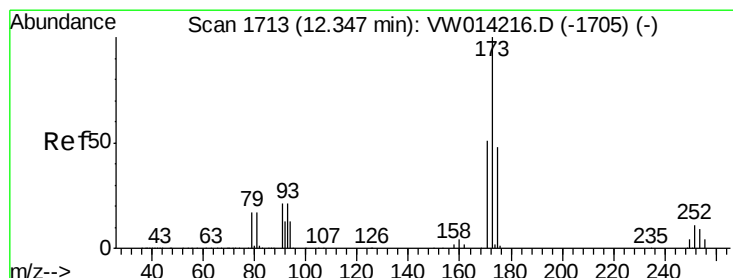
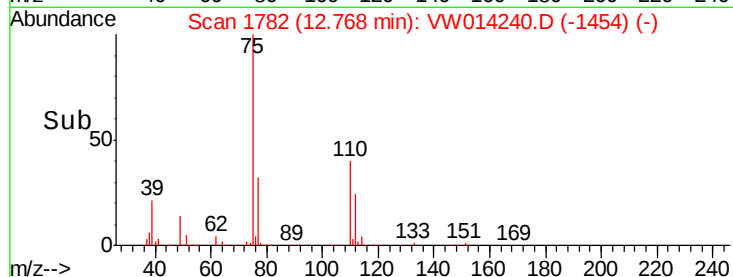
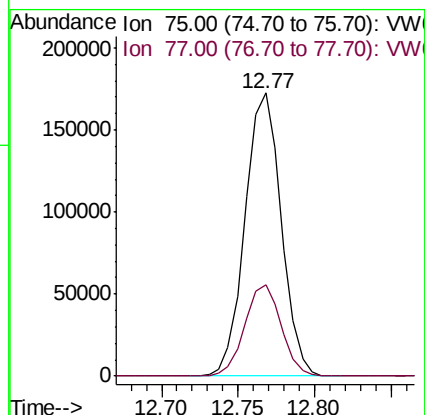
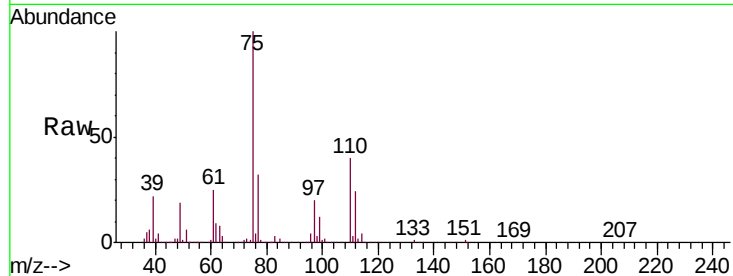
VSTD02508

Tgt Ion: 75 Resp: 284616

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#62

Bromoform

Concen: 21.152 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

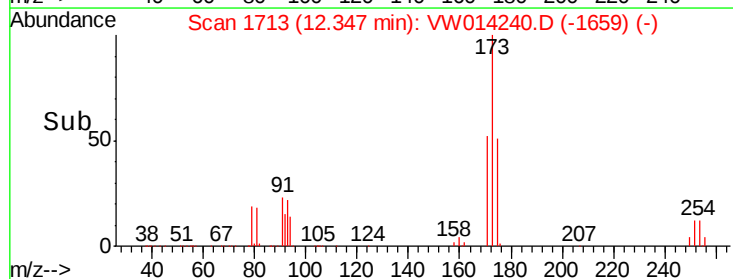
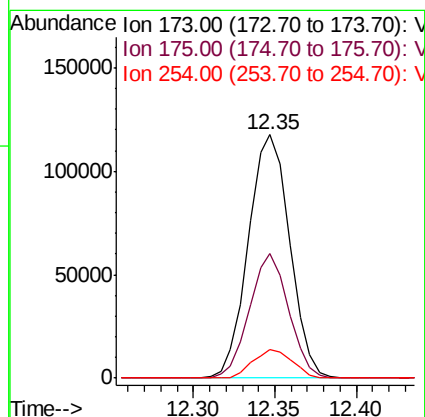
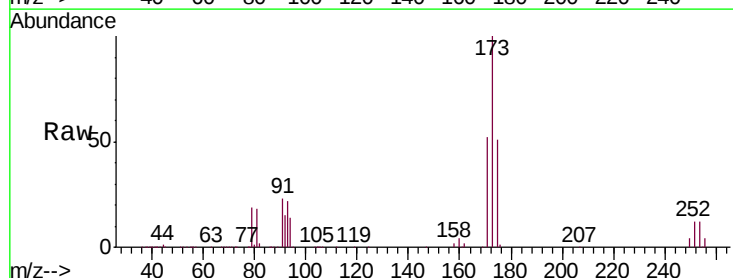
Tgt Ion: 173 Resp: 208238

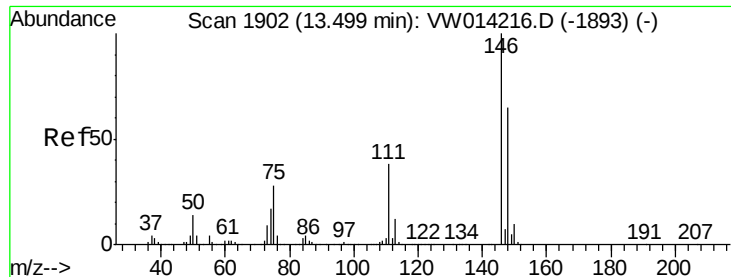
Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 11.1 9.4 14.0

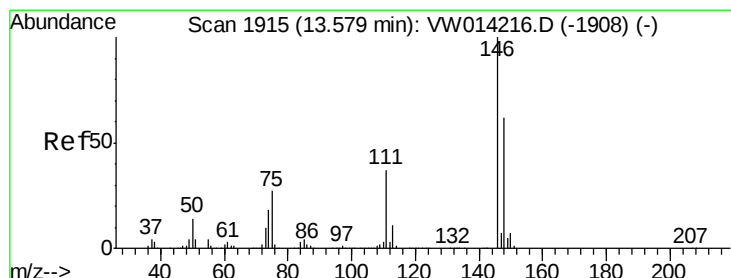
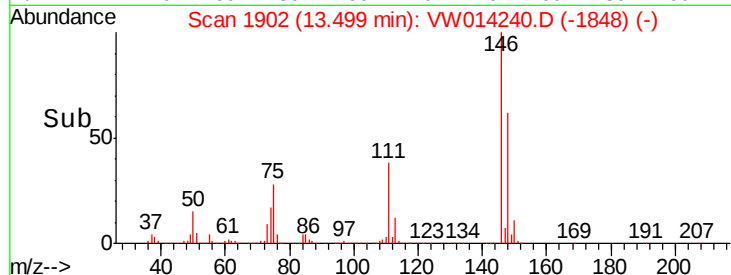
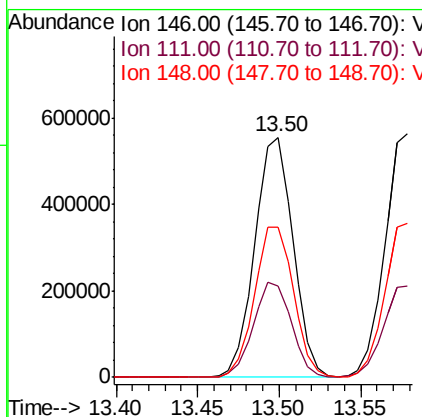
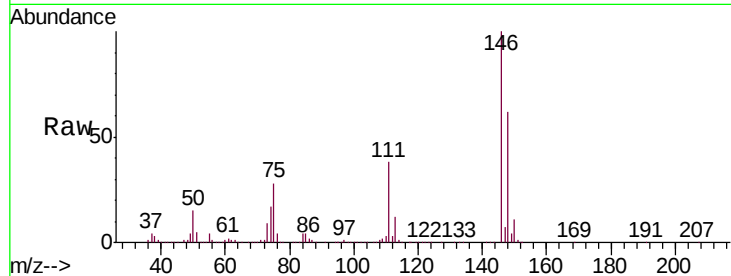




#63
 1,3-Dichlorobenzene
 Concen: 23.364 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014240.D
 Acq: 06 Dec 2019 09:07

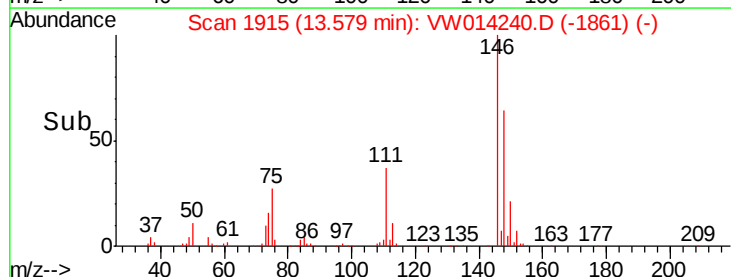
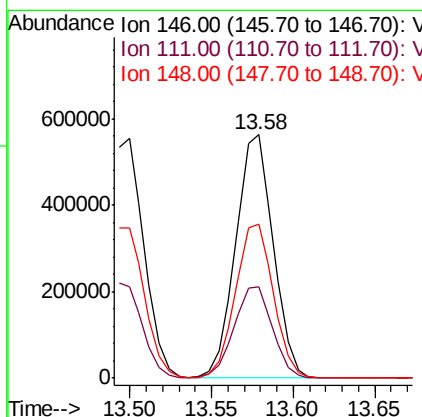
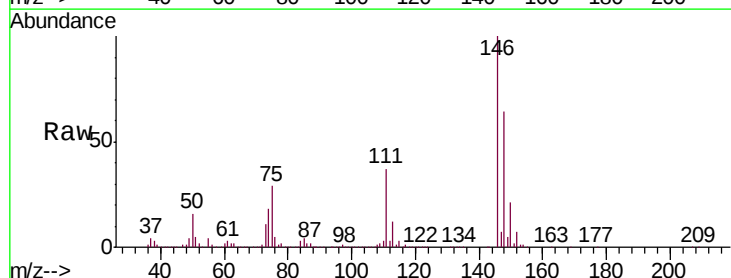
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

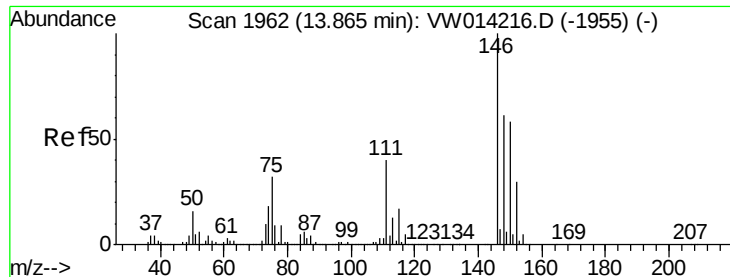
Tgt Ion:146 Resp: 910903
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.0 48.2
 148 62.4 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 22.754 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014240.D
 Acq: 06 Dec 2019 09:07

Tgt Ion:146 Resp: 901306
 Ion Ratio Lower Upper
 146 100
 111 37.3 24.9 46.3
 148 63.5 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 22.753 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

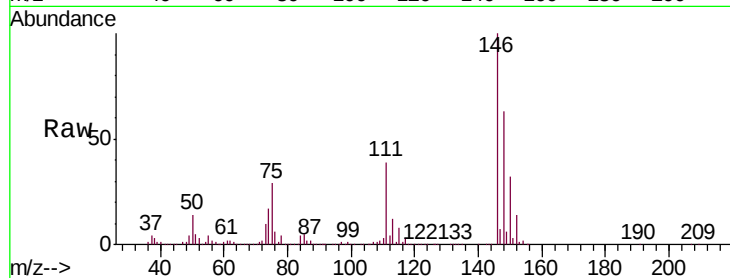
Tgt Ion:146 Resp: 824931

Ion Ratio Lower Upper

146 100

111 39.2 30.5 45.7

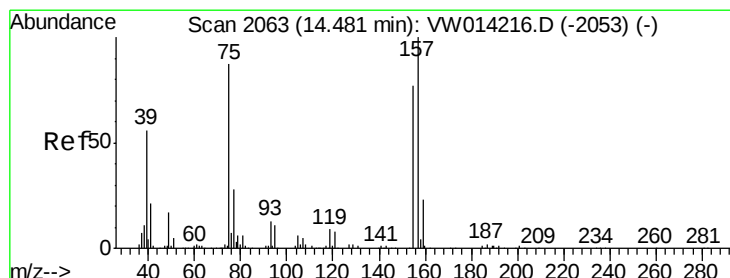
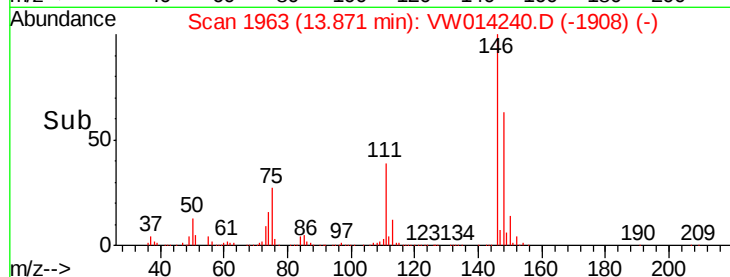
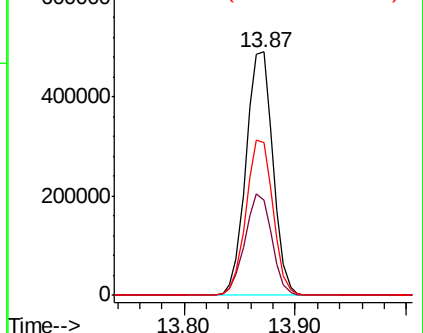
148 62.7 49.4 74.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 20.043 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

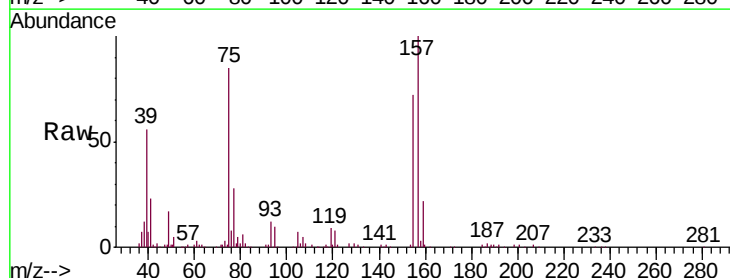
Tgt Ion: 75 Resp: 56057

Ion Ratio Lower Upper

75 100

157 118.1 96.9 145.3

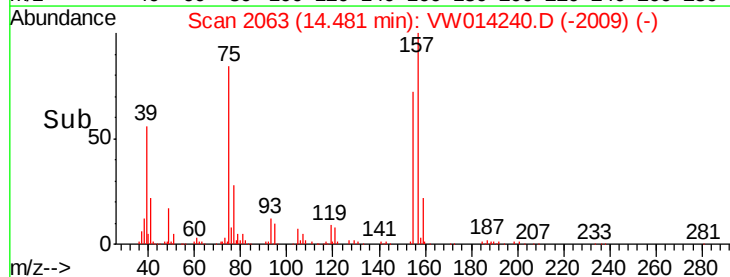
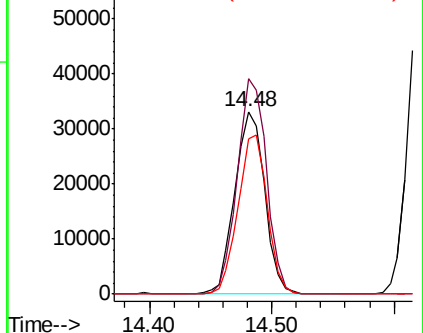
155 85.0 82.9 124.3

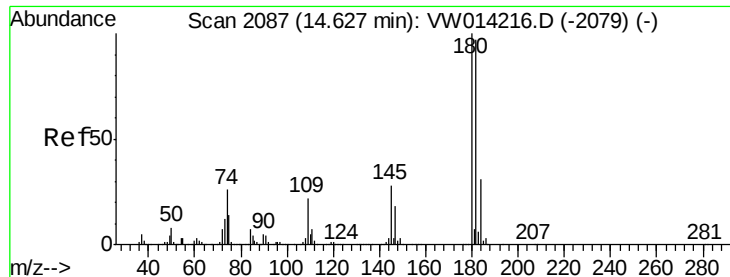


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

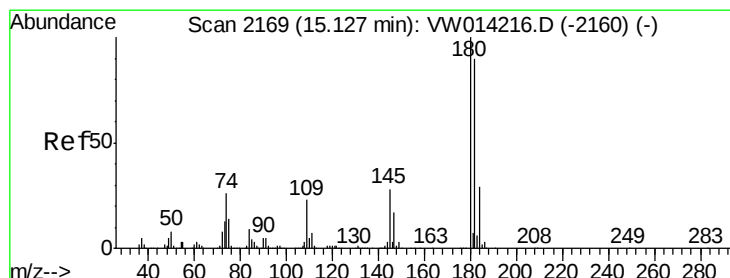
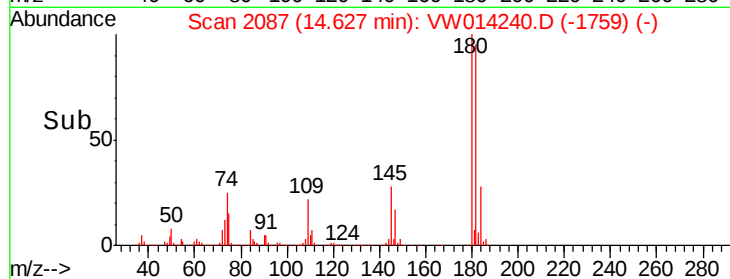
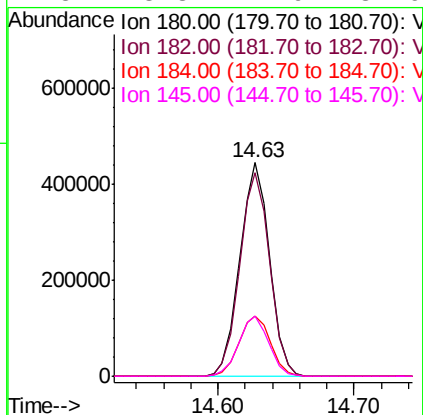
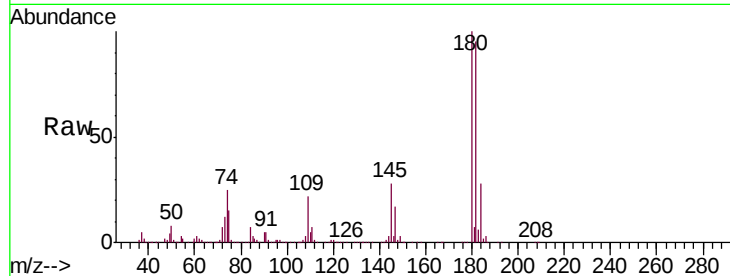




#67
 1,3,5-Trichlorobenzene
 Concen: 24.219 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014240.D
 Acq: 06 Dec 2019 09:07

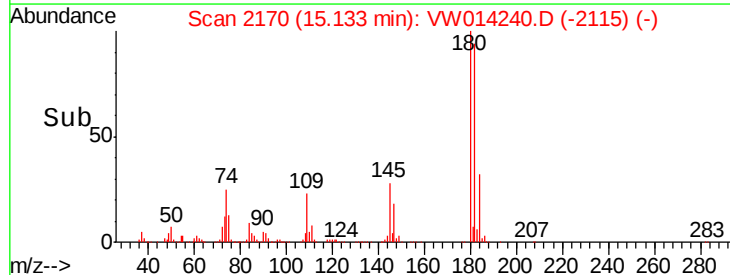
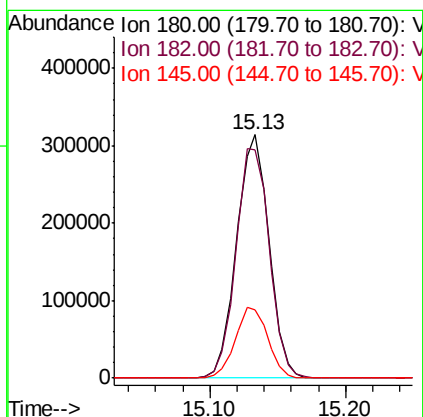
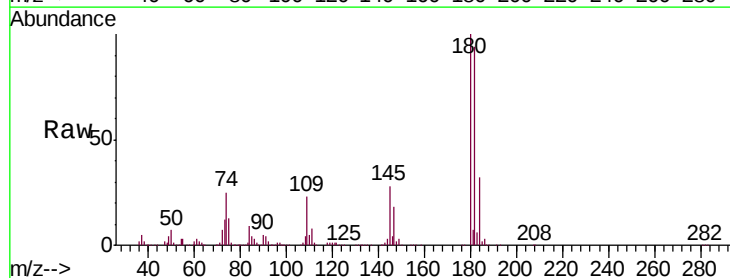
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

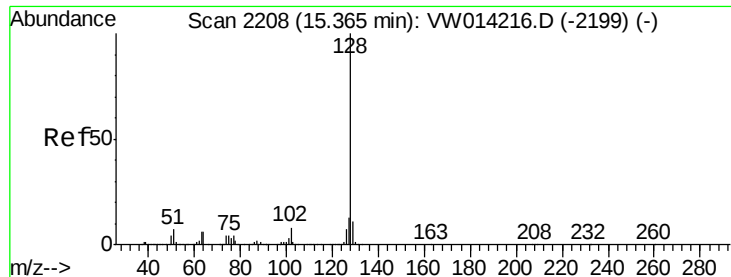
Tgt Ion:180 Resp: 679351
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.2
 184 29.7 24.3 36.5
 145 28.3 21.9 32.9



#68
 1,2,4-trichlorobenzene
 Concen: 23.848 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.01 min
 Lab File: VW014240.D
 Acq: 06 Dec 2019 09:07

Tgt Ion:180 Resp: 521483
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.8 113.8
 145 29.2 22.4 33.6





#69

Naphthalene

Concen: 22.941 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

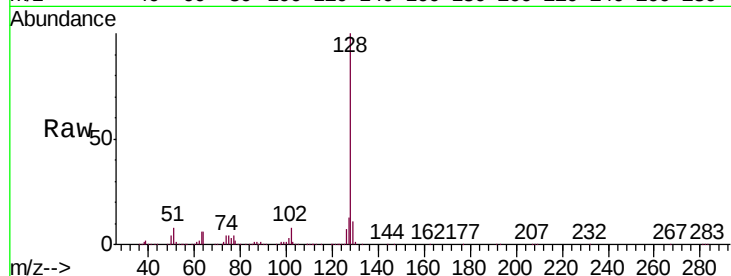
Tgt Ion:128 Resp: 943368

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

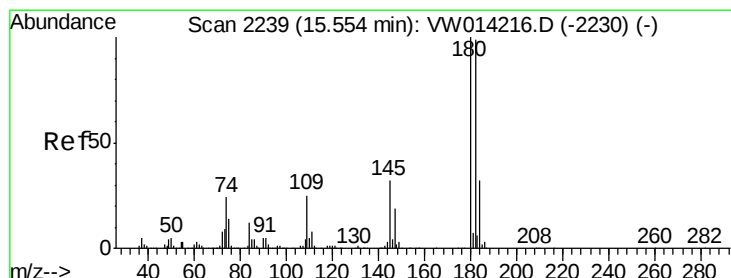
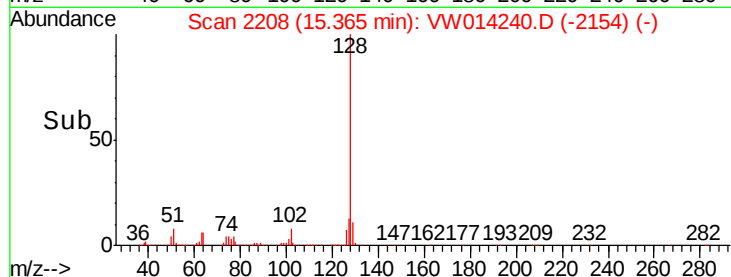
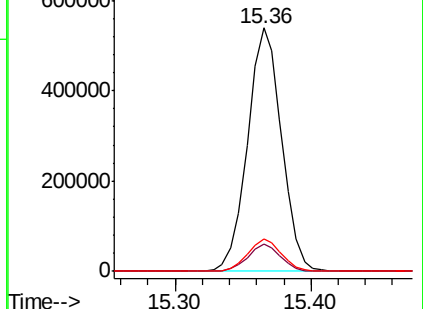
127 13.0 10.4 15.6



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: 23.658 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014240.D

Acq: 06 Dec 2019 09:07

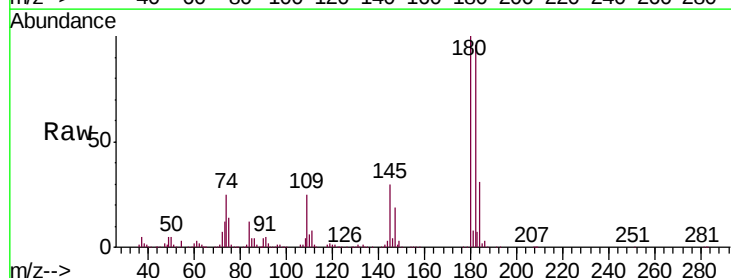
Tgt Ion:180 Resp: 485145

Ion Ratio Lower Upper

180 100

182 94.2 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

