

Data File : VW014466.D
Acq On : 19 Dec 2019 19:10
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Quant Time: Dec 20 01:16:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 20 01:12:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1019186	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	912604	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	449015	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	295428	19.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.56%
7) Chloroethane-d5	2.89	69	269374	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
10) 1,1-Dichloroethene-d2	4.03	63	635486	23.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.24%
20) 2-Butanone-d5	7.07	46	203767	50.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.34%
24) Chloroform-d	7.65	84	691065	26.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.52%
26) 1,2-Dichloroethane-d4	8.30	65	351153	25.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.24%
29) Benzene-d6	8.27	84	1363770	25.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.00%
33) 1,2-Dichloropropane-d6	9.27	67	431866	26.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.96%
37) Toluene-d8	10.32	98	1208024	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.92%
38) trans-1,3-Dichloropropene-	10.58	79	164065	23.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.04%
39) 2-Hexanone-d5	10.92	63	163493	49.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	334104	24.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	424443	24.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	218416	22.532	ug/L 93
3) Chloromethane	2.21	50	232073	23.815	ug/L 99
5) Vinyl chloride	2.36	62	390404	27.058	ug/L 97
6) Bromomethane	2.78	94	224420	25.216	ug/L 99
8) Chloroethane	2.92	64	228843	27.761	ug/L 97
9) Trichlorofluoromethane	3.25	101	197539	27.655	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	367154	27.312	ug/L 93
12) 1,1-Dichloroethene	4.04	96	350740	25.771	ug/L 92
13) Acetone	4.12	43	140149	36.143	ug/L 98
14) Carbon disulfide	4.38	76	1007102	24.127	ug/L 99
15) Methyl Acetate	4.67	43	155026	21.137	ug/L 98
16) Methylene chloride	4.92	84	393096	25.160	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	441845	24.618	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	365533	25.079	ug/L 91
19) 1,1-Dichloroethane	6.21	63	693915	26.499	ug/L 99
21) 2-Butanone	7.16	43	203588	39.107	ug/L 98
22) cis-1,2-Dichloroethene	7.16	96	392061	25.280	ug/L 96

Data File : VW014466.D
Acq On : 19 Dec 2019 19:10
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Quant Time: Dec 20 01:16:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 20 01:12:43 2019
Response via : Initial Calibration

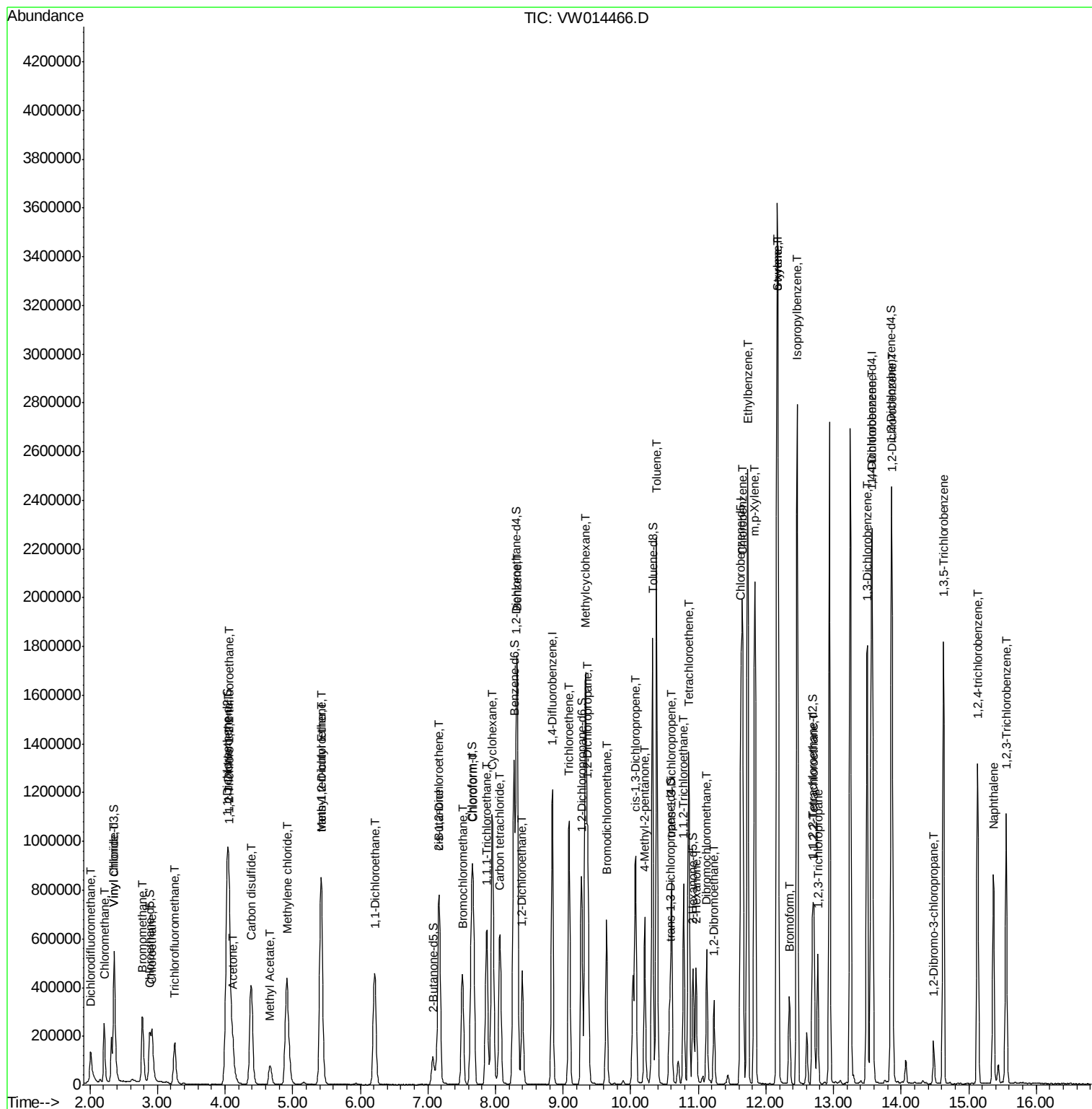
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	164155	23.011	ug/L	84
25) Chloroform	7.67	83	669393	26.306	ug/L	99
27) 1,2-Dichloroethane	8.40	62	414171	24.856	ug/L	96
30) Cyclohexane	7.95	56	648262	28.459	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	524902	28.640	ug/L	97
32) Carbon tetrachloride	8.07	117	485393	27.912	ug/L	100
34) Benzene	8.32	78	1558200	26.966	ug/L	100
35) Trichloroethene	9.09	95	387775	26.228	ug/L	94
36) Methylcyclohexane	9.34	83	683024	27.493	ug/L	95
40) 1,2-Dichloropropane	9.37	63	391517	26.374	ug/L	99
41) Bromodichloromethane	9.64	83	464172	25.729	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	570631	25.668	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	448494	45.816	ug/L	97
44) Toluene	10.38	91	1643904	27.136	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	450302	25.023	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	261175	23.478	ug/L	97
47) Tetrachloroethene	10.86	164	319919	25.962	ug/L	98
49) 2-Hexanone	10.97	43	307718	44.154	ug/L	98
50) Dibromochloromethane	11.13	129	295518	23.670	ug/L	100
51) 1,2-Dibromoethane	11.23	107	238415	22.627	ug/L #	96
52) Chlorobenzene	11.66	112	994989	25.413	ug/L	95
53) Ethylbenzene	11.73	91	1797096	27.339	ug/L	99
54) m,p-Xylene	11.84	106	686114	27.134	ug/L	99
55) o-xylene	12.16	106	643347	26.824	ug/L	99
56) Styrene	12.18	104	1103481	26.894	ug/L	94
57) Isopropylbenzene	12.46	105	1750137	28.108	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	312616	22.642	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	229112	22.332	ug/L	99
62) Bromoform	12.35	173	164547	21.592	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	773362	25.625	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	769607	25.099	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	692416	24.672	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	45420	20.979	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.63	180	584750	26.930	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	438365	25.897	ug/L	99
69) Naphthalene	15.36	128	732019	22.996	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	398217	25.087	ug/L	99

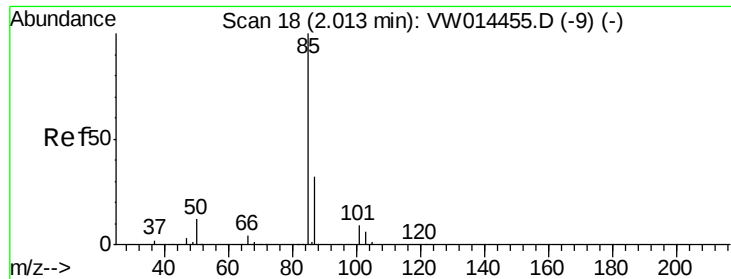
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW014466.D
Acq On : 19 Dec 2019 19:10
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Quant Time: Dec 20 01:16:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 20 01:12:43 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.532 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

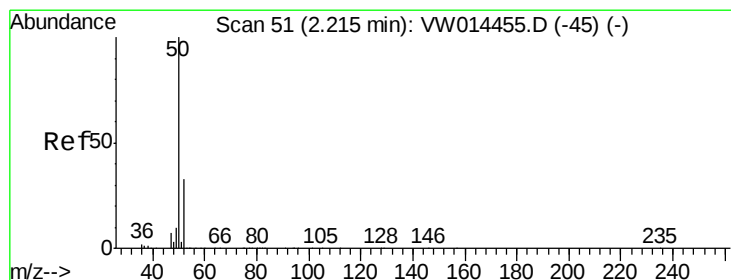
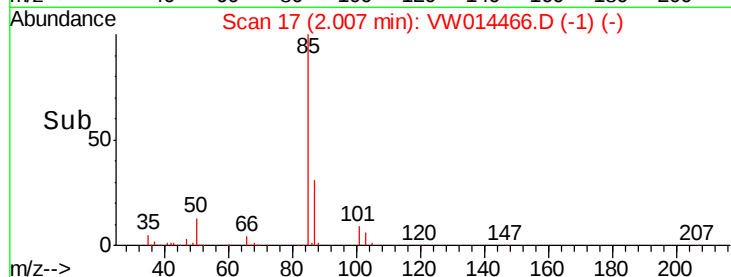
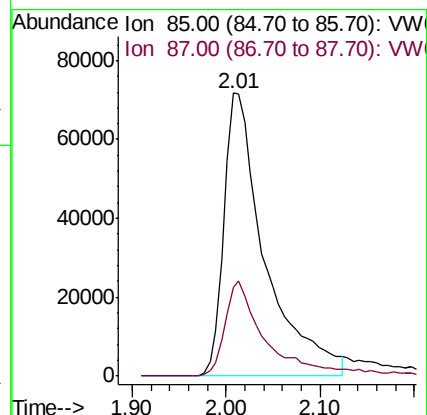
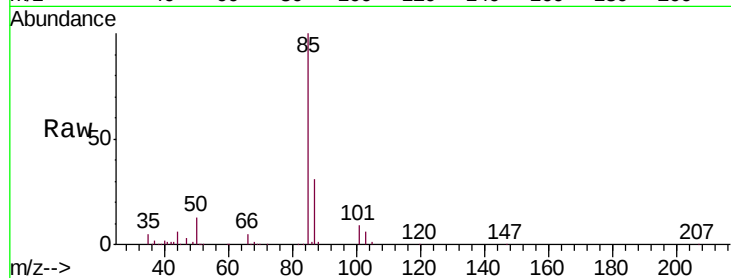
VSTD02529

Tgt Ion: 85 Resp: 218416

Ion Ratio Lower Upper

85 100

87 27.9 22.1 41.1



#3

Chloromethane

Concen: 23.815 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014466.D

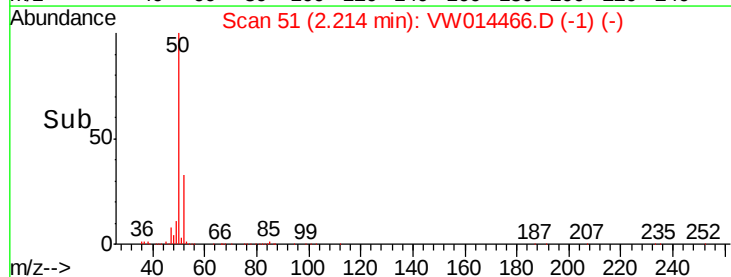
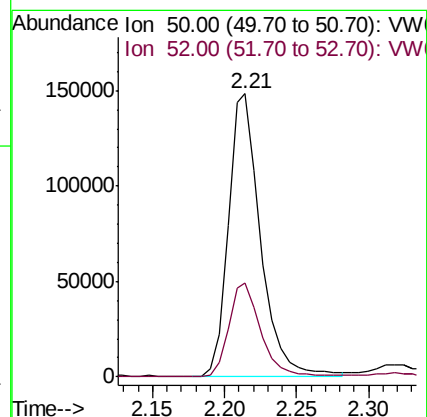
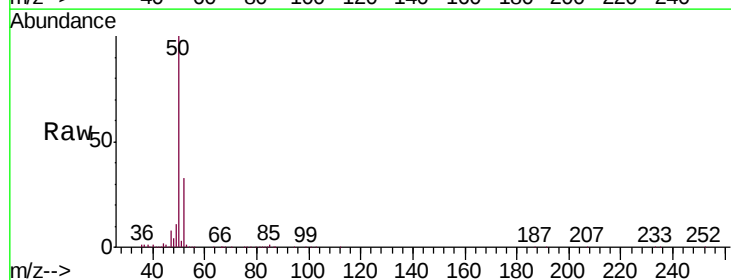
Acq: 19 Dec 2019 19:10

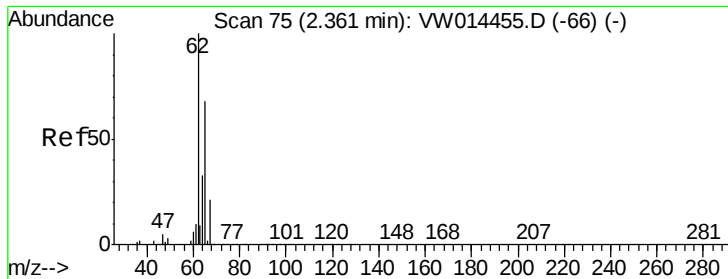
Tgt Ion: 50 Resp: 232073

Ion Ratio Lower Upper

50 100

52 33.3 23.8 44.2





#5

Vinyl chloride

Concen: 27.058 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

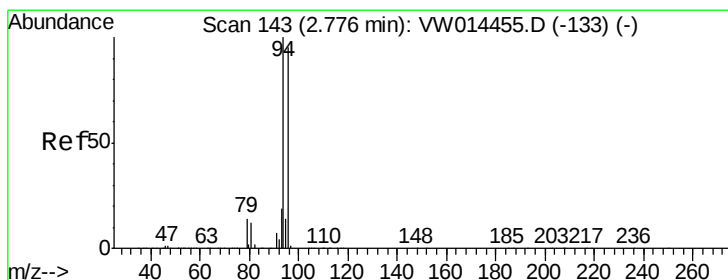
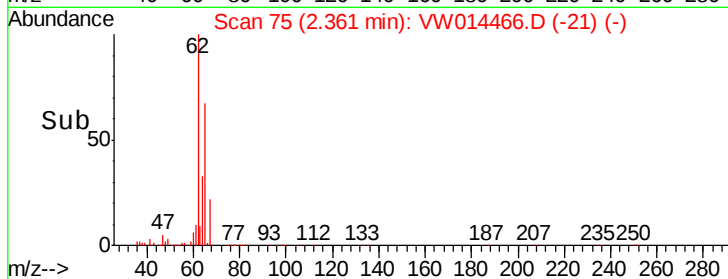
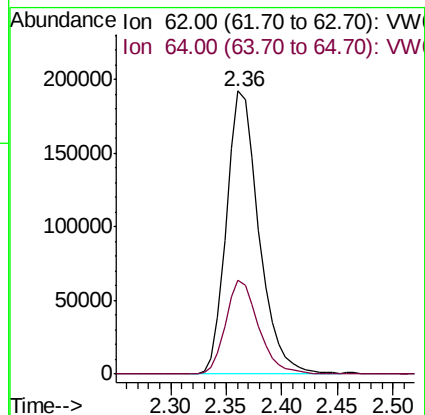
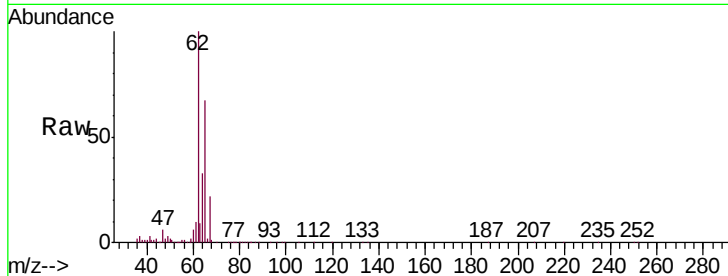
VSTD02529

Tgt Ion: 62 Resp: 390404

Ion Ratio Lower Upper

62 100

64 33.0 21.8 40.4



#6

Bromomethane

Concen: 25.216 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW014466.D

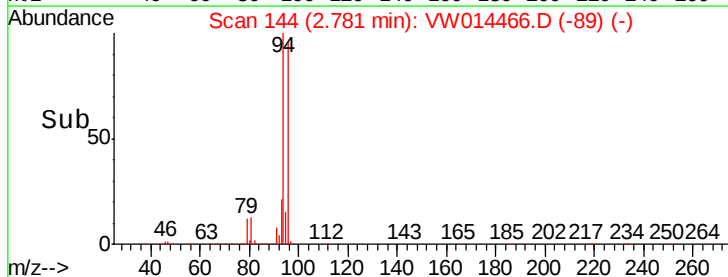
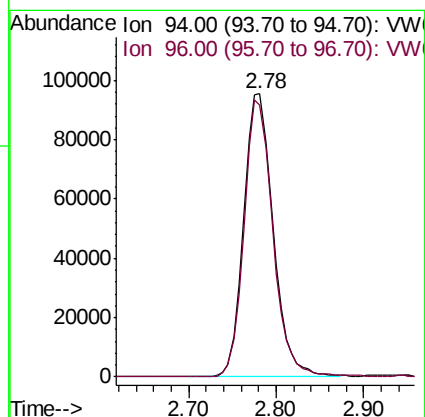
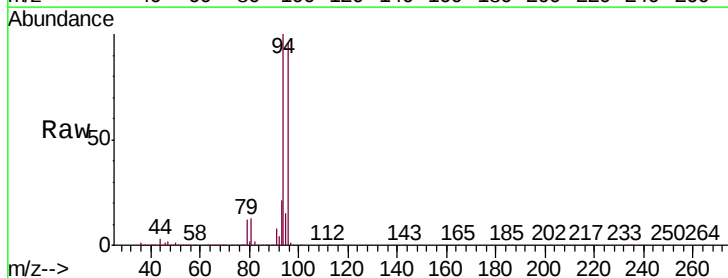
Acq: 19 Dec 2019 19:10

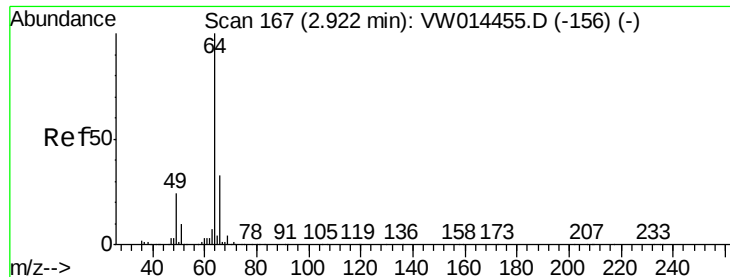
Tgt Ion: 94 Resp: 224420

Ion Ratio Lower Upper

94 100

96 94.7 9.4 178.8





#8

Chloroethane

Concen: 27.761 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

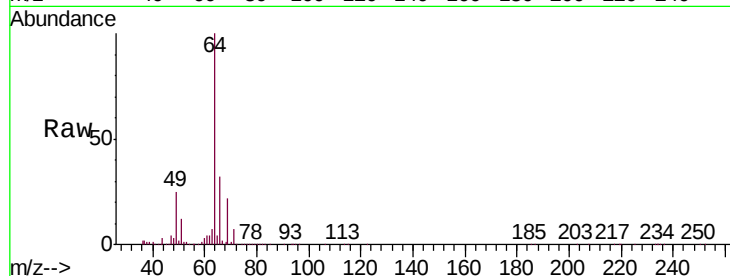
VSTD02529

Tgt Ion: 64 Resp: 228843

Ion Ratio Lower Upper

64 100

66 32.0 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.92

100000

80000

60000

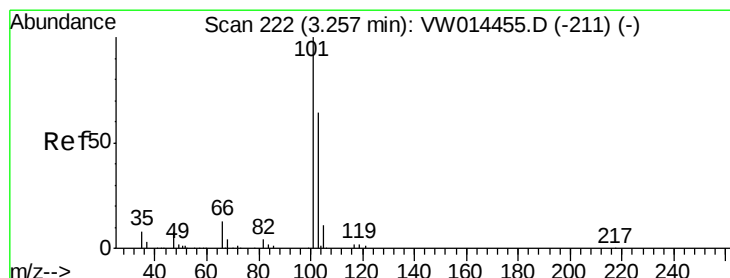
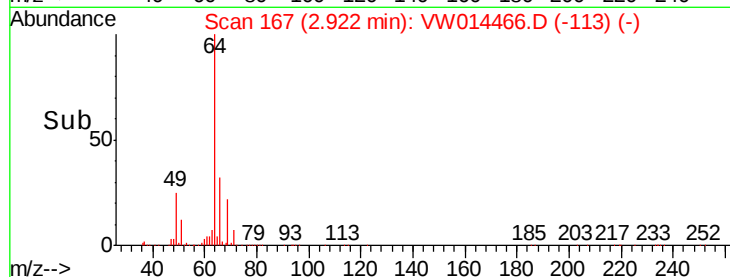
40000

20000

0

Time-->

2.80 2.90 3.00 3.10



#9

Trichlorofluoromethane

Concen: 27.655 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014466.D

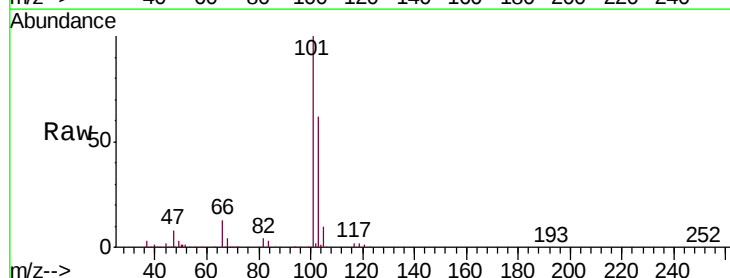
Acq: 19 Dec 2019 19:10

Tgt Ion: 101 Resp: 197539

Ion Ratio Lower Upper

101 100

103 65.8 45.4 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.25

80000

60000

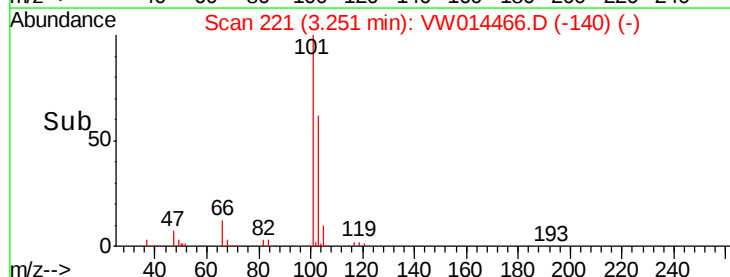
40000

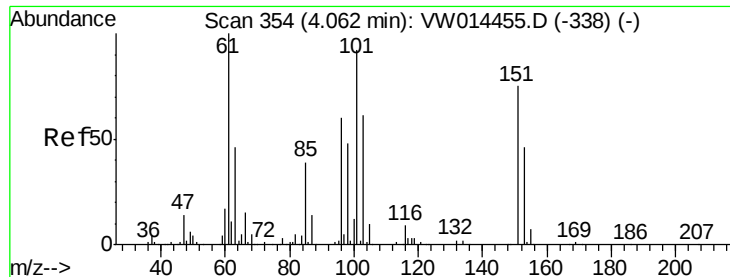
20000

0

Time-->

3.20 3.30 3.40





#11

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

Concen: 27.312 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

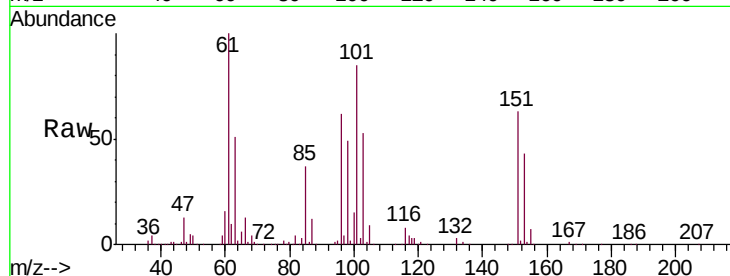
Tgt Ion:101 Resp: 367154

Ion Ratio Lower Upper

101 100

85 42.7 31.4 47.2

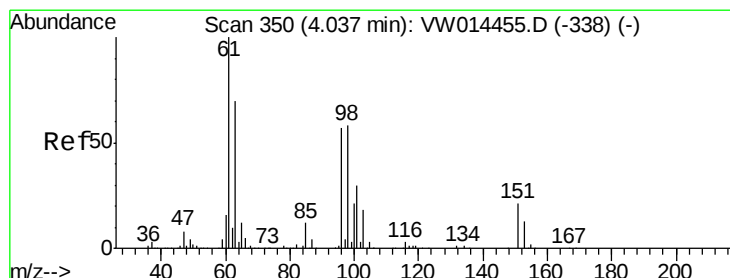
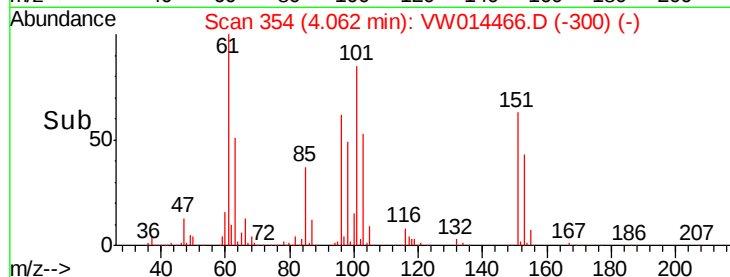
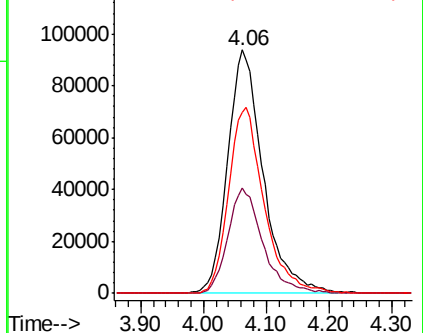
151 76.4 66.9 100.3



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: 25.771 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

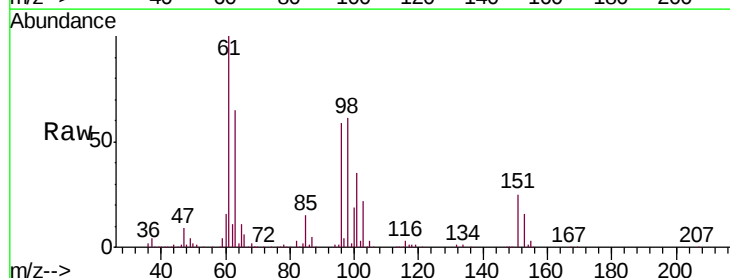
Tgt Ion: 96 Resp: 350740

Ion Ratio Lower Upper

96 100

61 170.9 109.8 204.0

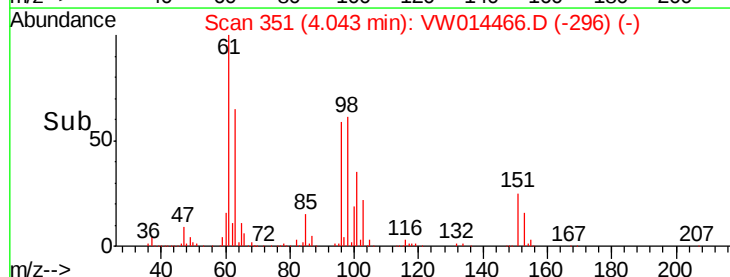
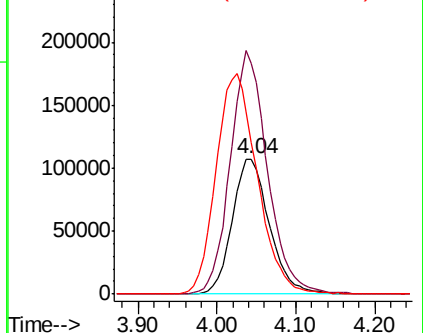
63 111.6 80.7 149.9

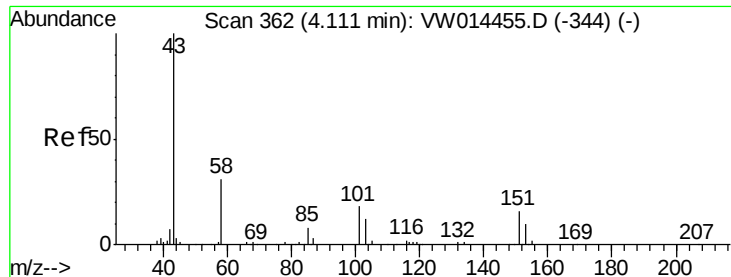


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

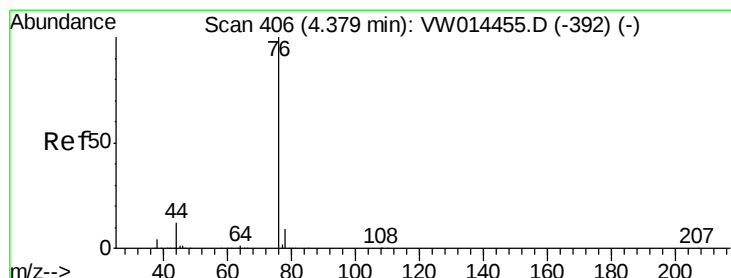
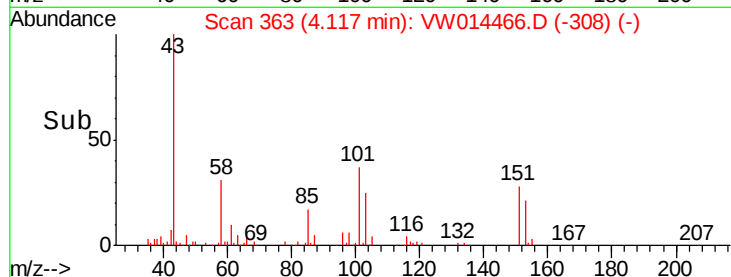
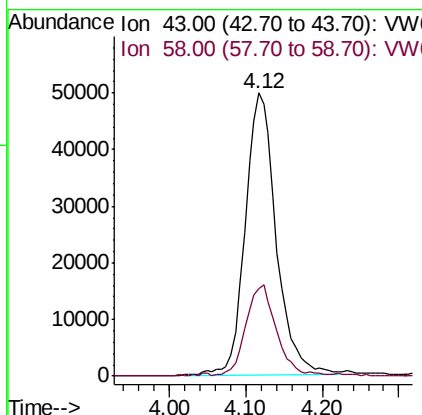
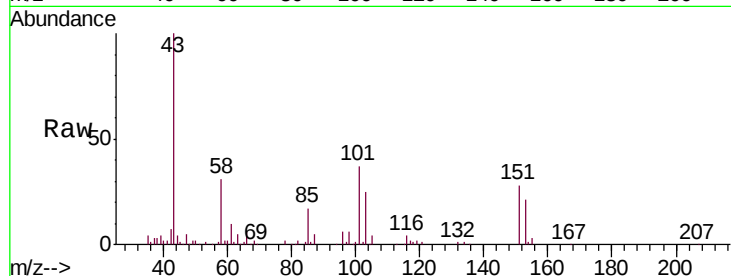




#13
Acetone
Concen: 36.143 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.01 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

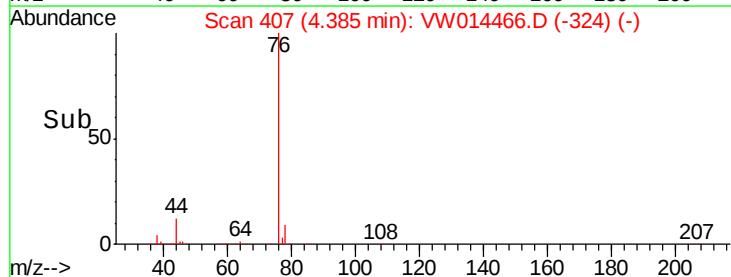
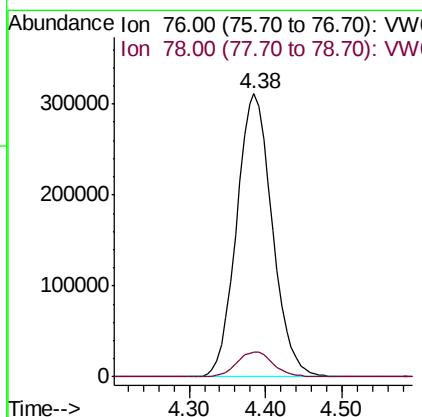
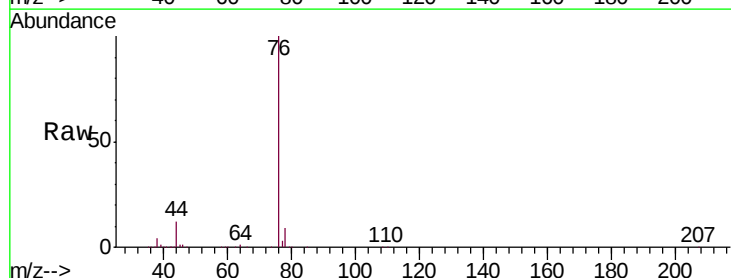
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

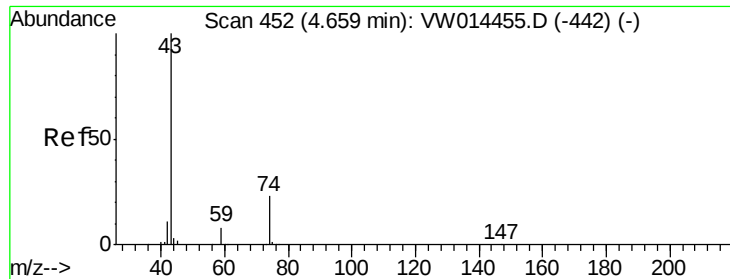
Tgt Ion: 43 Resp: 140149
Ion Ratio Lower Upper
43 100
58 31.6 0.0 65.4



#14
Carbon disulfide
Concen: 24.127 ug/L
RT: 4.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

Tgt Ion: 76 Resp: 1007102
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8

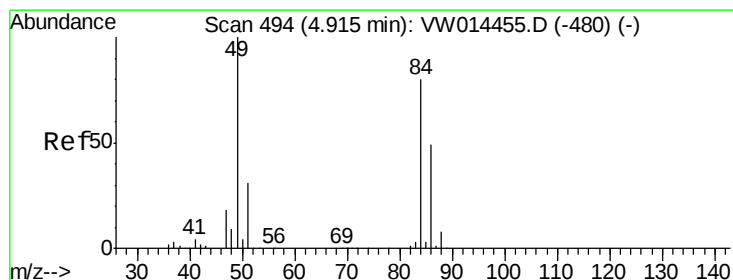
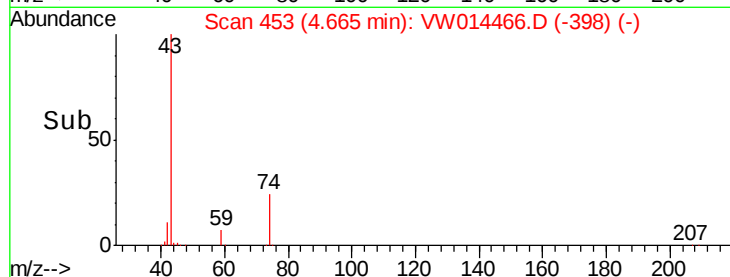
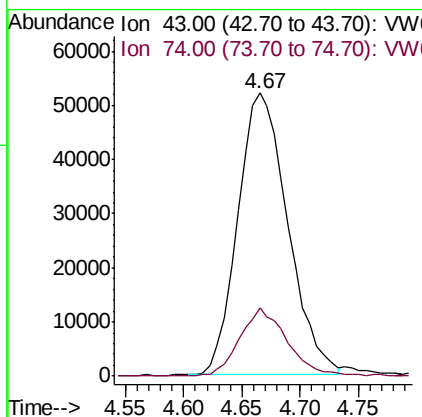
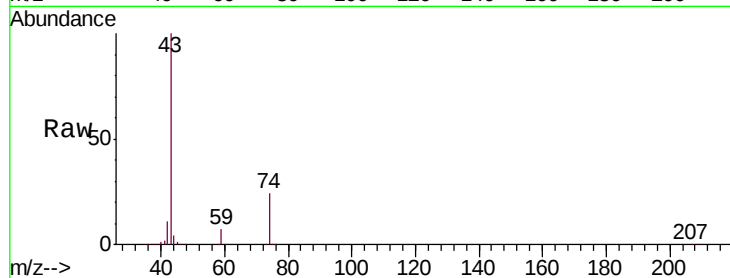




#15
Methyl Acetate
Concen: 21.137 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

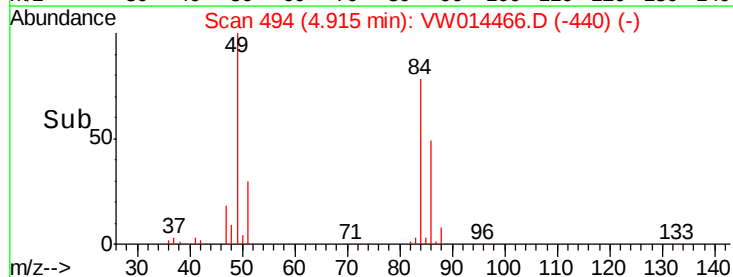
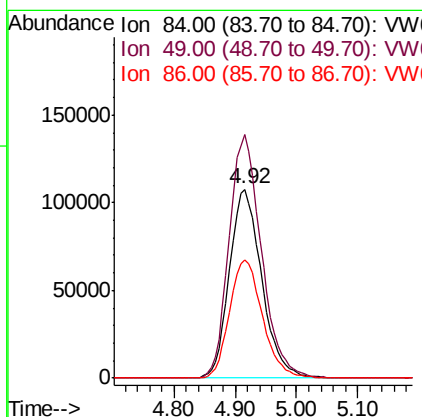
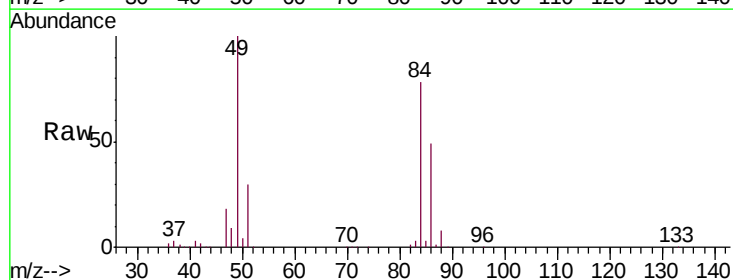
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

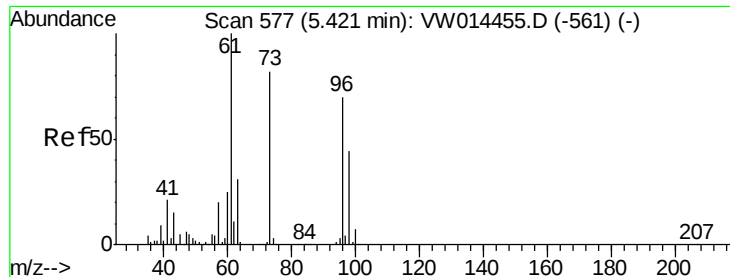
Tgt Ion: 43 Resp: 155026
Ion Ratio Lower Upper
43 100
74 23.1 19.3 28.9



#16
Methylene chloride
Concen: 25.160 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

Tgt Ion: 84 Resp: 393096
Ion Ratio Lower Upper
84 100
49 128.8 84.2 156.4
86 62.6 43.7 81.1

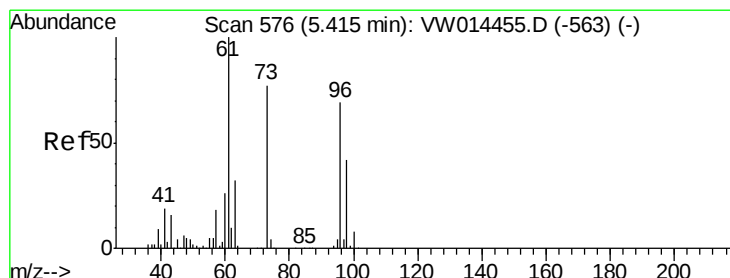
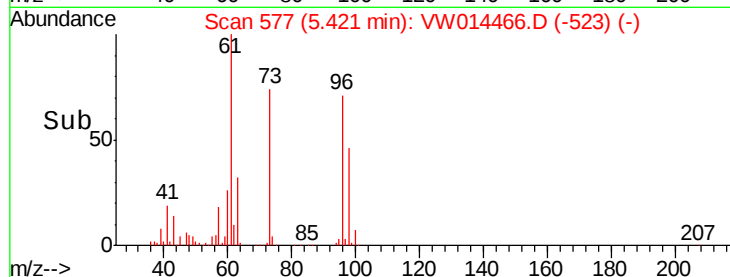
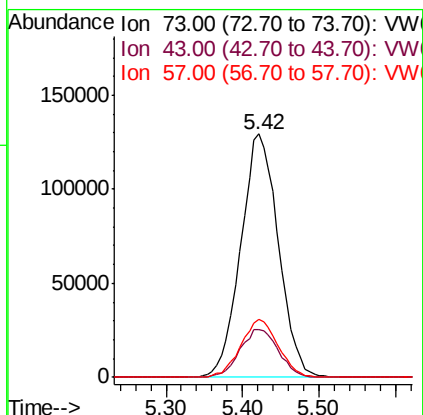
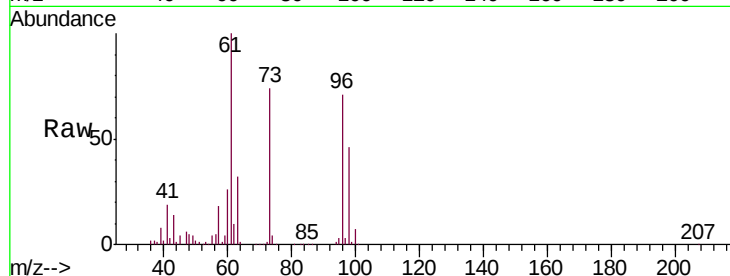




#17
Methyl tert-butyl Ether
Concen: 24.618 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

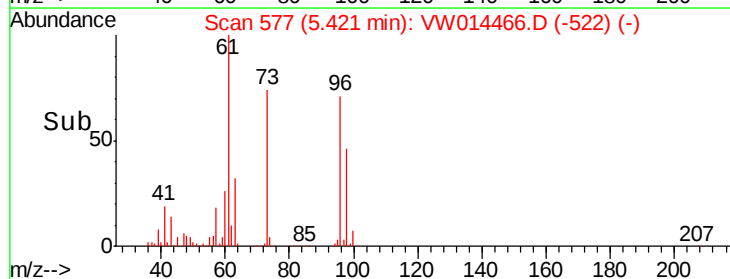
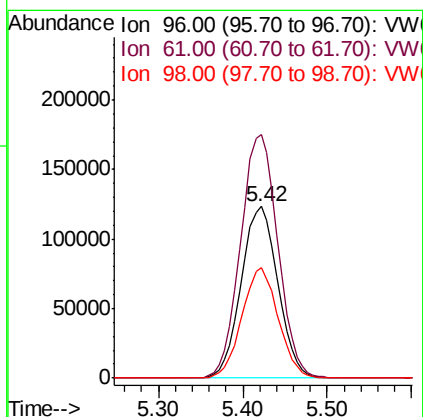
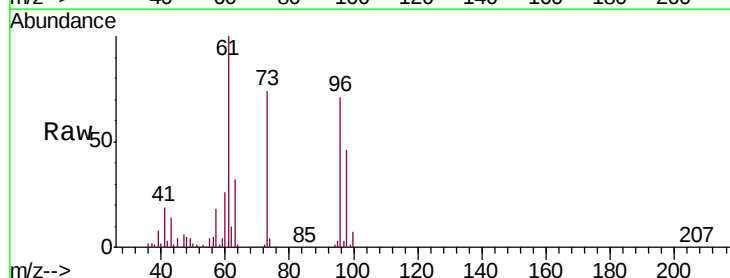
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

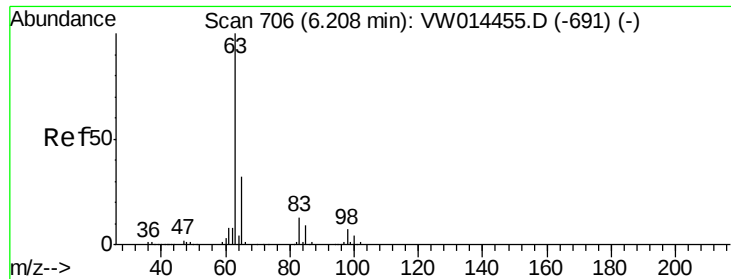
Tgt Ion: 73 Resp: 441845
Ion Ratio Lower Upper
73 100
43 20.3 15.5 23.3
57 23.5 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 25.079 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

Tgt Ion: 96 Resp: 365533
Ion Ratio Lower Upper
96 100
61 141.8 90.6 168.2
98 64.5 42.9 79.7

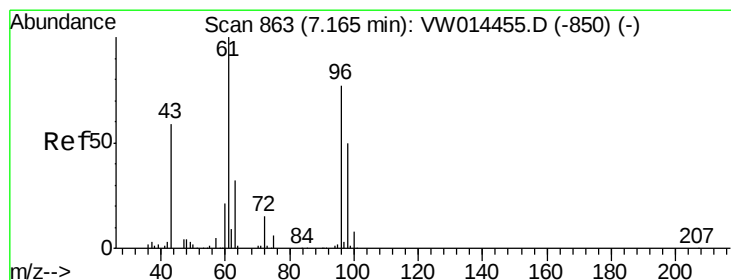
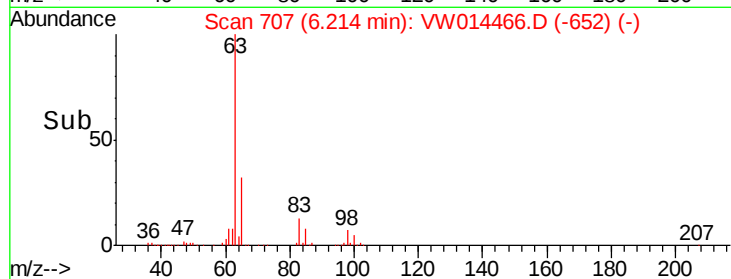
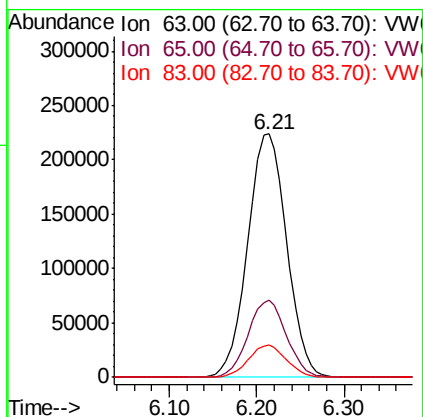
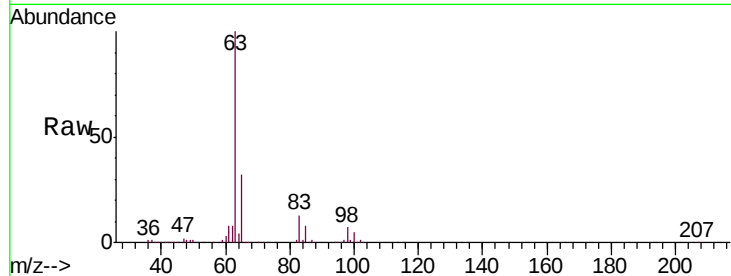




#19
 1,1-Dichloroethane
 Concen: 26.499 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW014466.D
 Acq: 19 Dec 2019 19:10

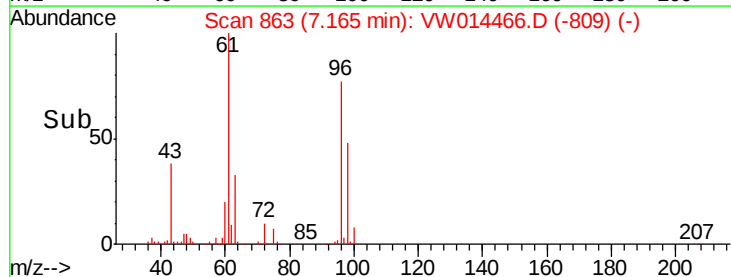
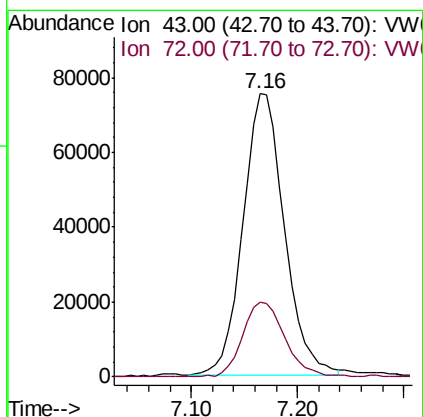
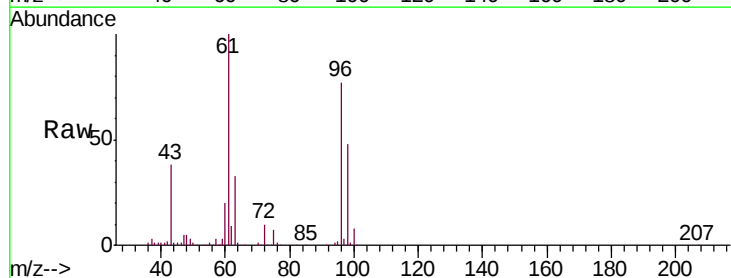
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

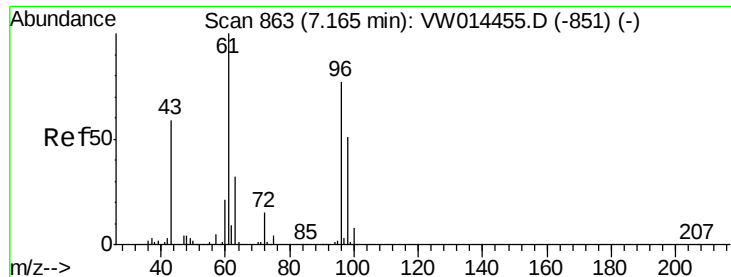
Tgt Ion: 63 Resp: 693915
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.1 41.1
 83 13.4 9.0 16.6



#21
 2-Butanone
 Concen: 39.107 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014466.D
 Acq: 19 Dec 2019 19:10

Tgt Ion: 43 Resp: 203588
 Ion Ratio Lower Upper
 43 100
 72 27.2 14.1 42.2



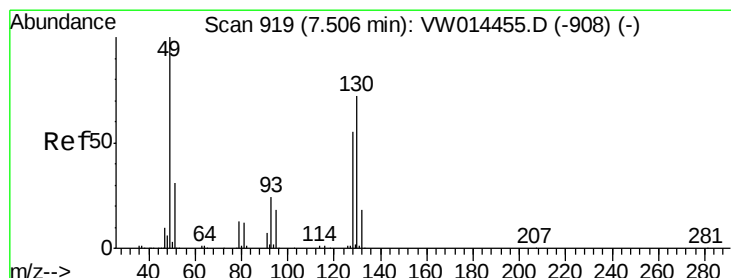
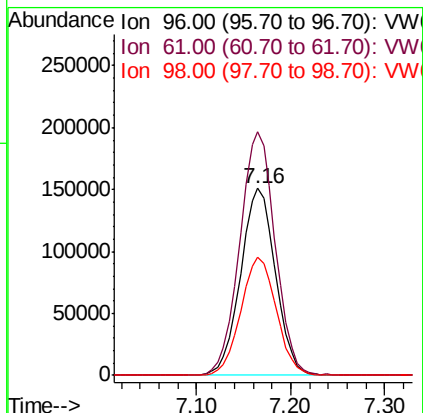
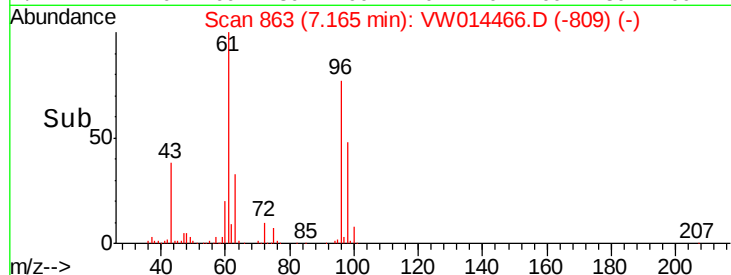
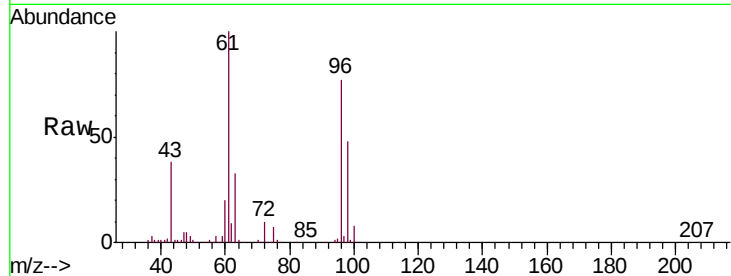


#22

cis-1,2-Dichloroethene
Concen: 25.280 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

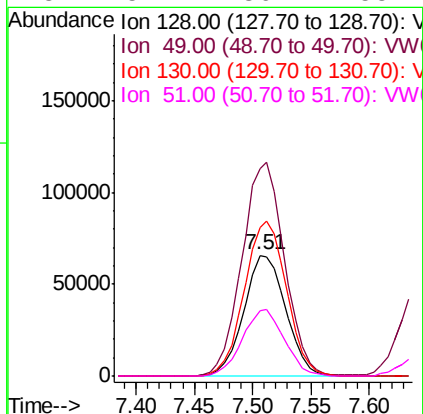
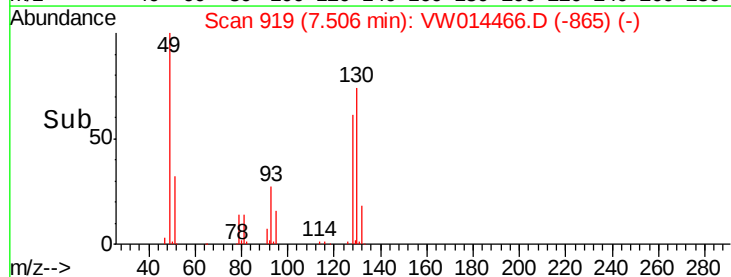
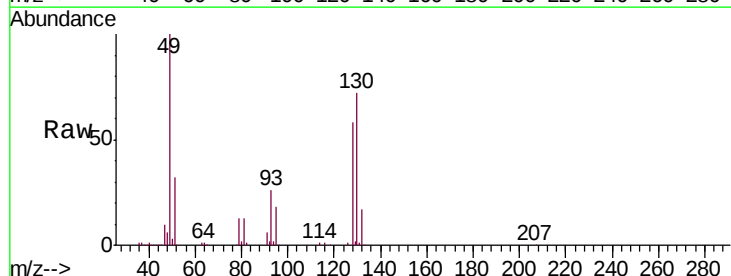
Tgt Ion: 96 Resp: 392061
Ion Ratio Lower Upper
96 100
61 130.2 86.9 161.5
98 63.0 45.5 84.5

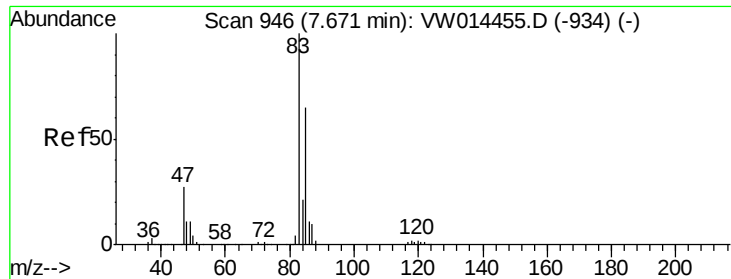


#23

Bromochloromethane
Concen: 23.011 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

Tgt Ion: 128 Resp: 164155
Ion Ratio Lower Upper
128 100
49 171.8 95.1 176.5
130 122.9 85.0 158.0
51 54.2 36.7 55.1





#25

Chloroform

Concen: 26.306 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

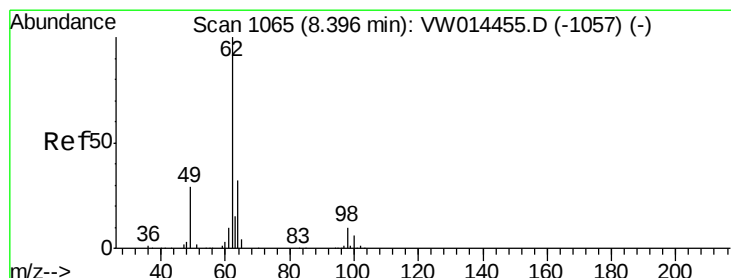
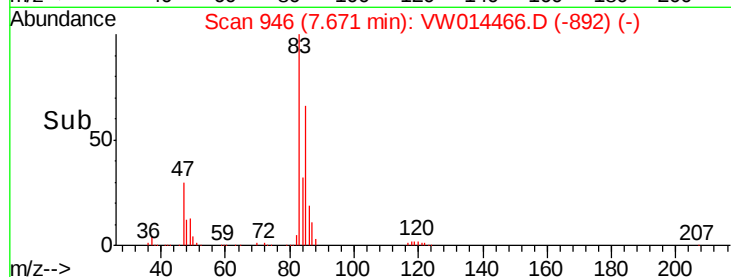
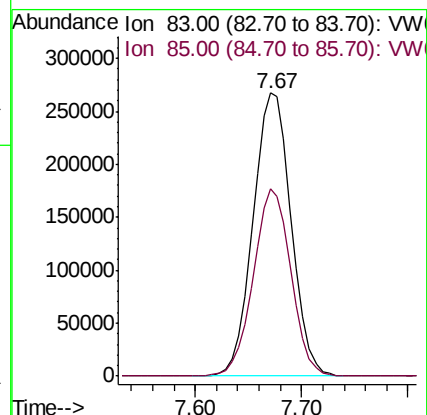
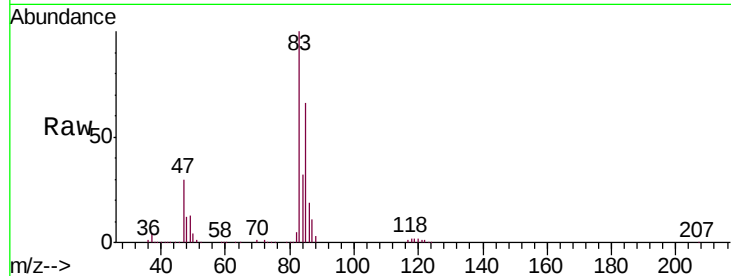
VSTD02529

Tgt Ion: 83 Resp: 669393

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.7



#27

1,2-Dichloroethane

Concen: 24.856 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014466.D

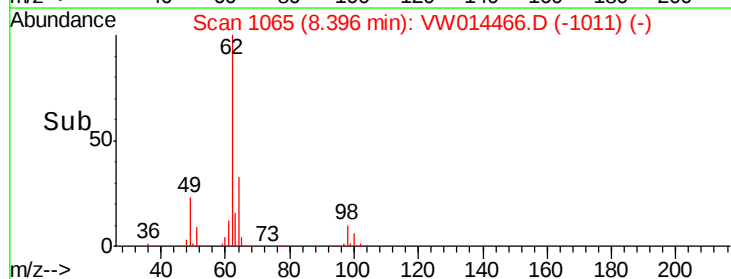
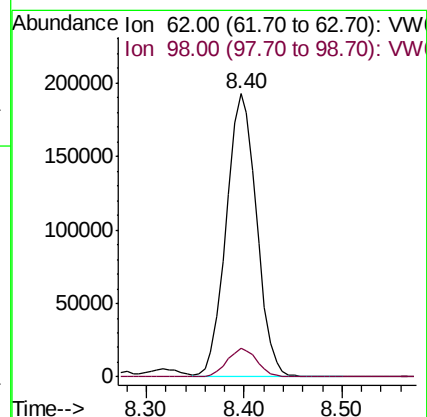
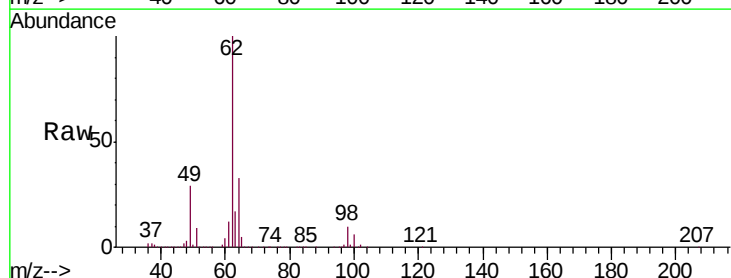
Acq: 19 Dec 2019 19:10

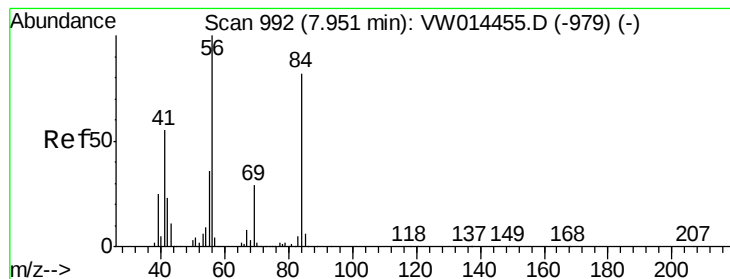
Tgt Ion: 62 Resp: 414171

Ion Ratio Lower Upper

62 100

98 10.0 9.3 13.9

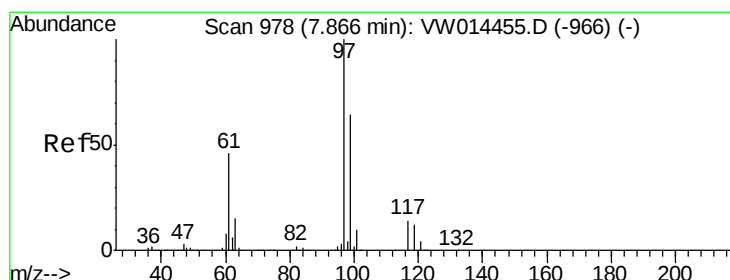
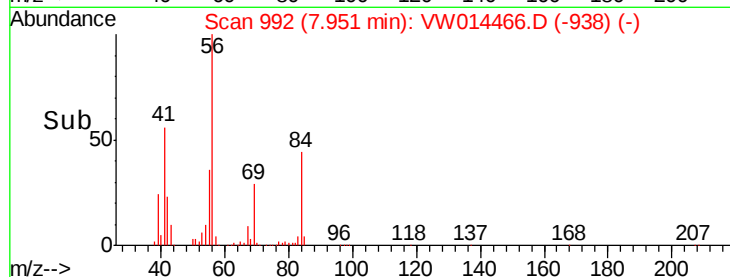
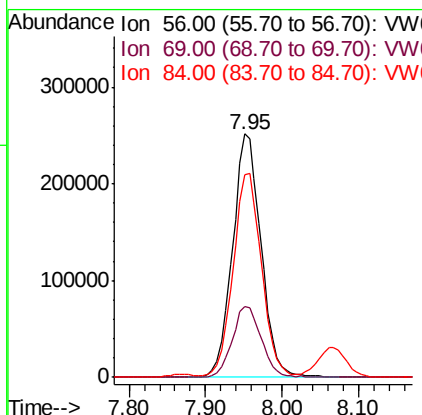
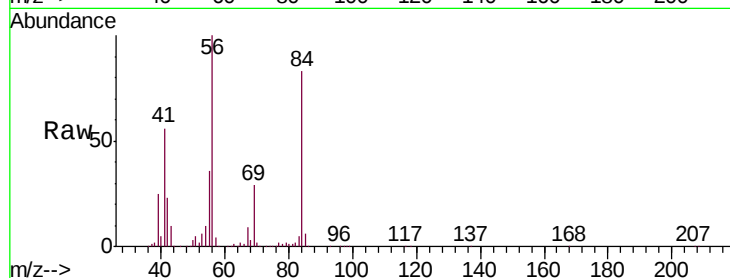




#30
Cyclohexane
Concen: 28.459 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

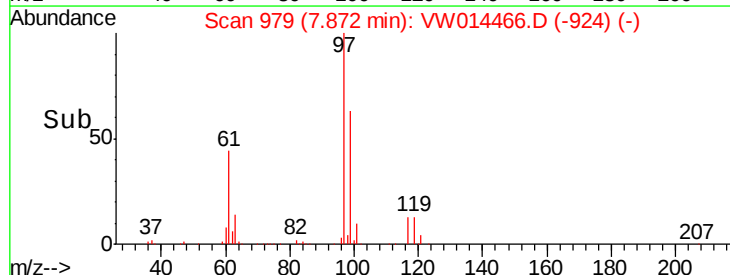
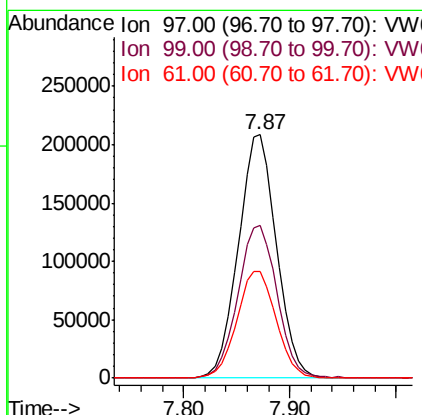
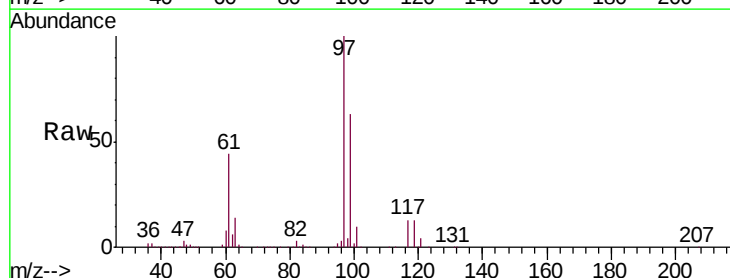
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

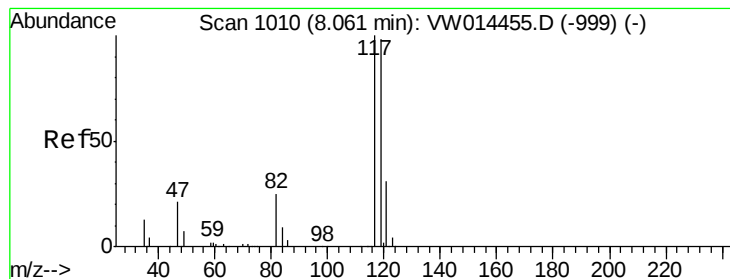
Tgt Ion: 56 Resp: 648262
Ion Ratio Lower Upper
56 100
69 29.6 24.6 37.0
84 83.8 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 28.640 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

Tgt Ion: 97 Resp: 524902
Ion Ratio Lower Upper
97 100
99 64.3 51.1 76.7
61 45.1 32.8 49.2





#32

Carbon tetrachloride

Concen: 27.912 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

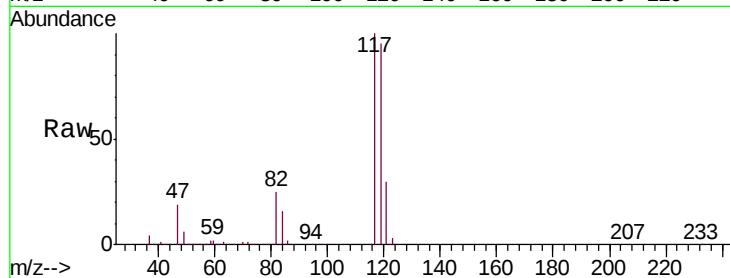
VSTD02529

Tgt Ion:117 Resp: 485393

Ion Ratio Lower Upper

117 100

119 96.0 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

200000

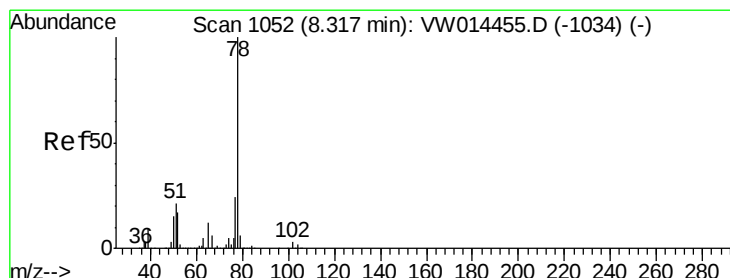
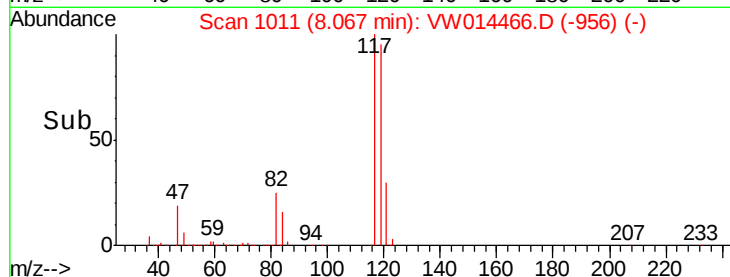
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 26.966 ug/L

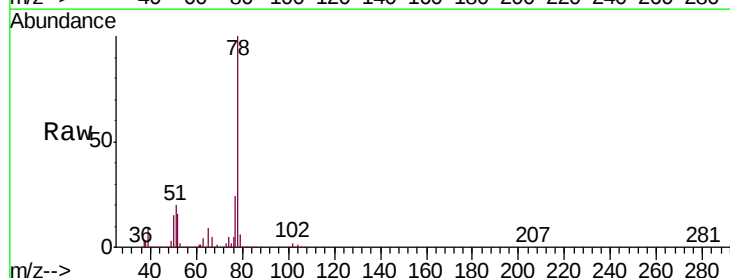
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Tgt Ion: 78 Resp: 1558200



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

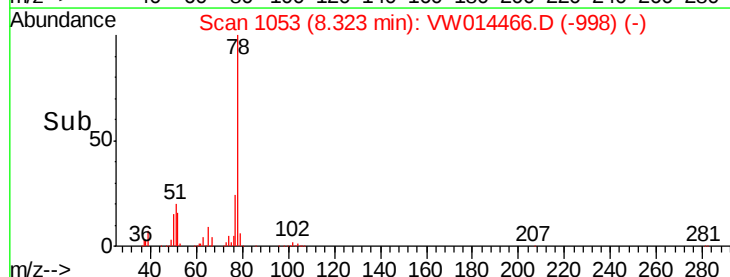
600000

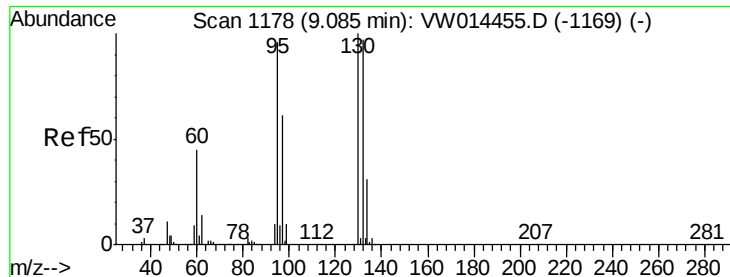
400000

200000

0

Time-->

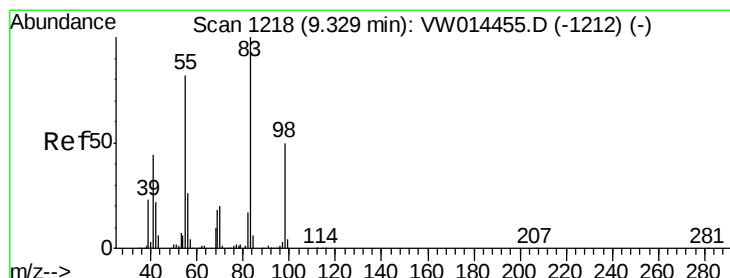
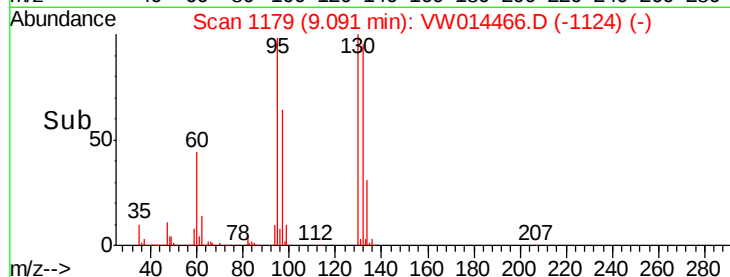
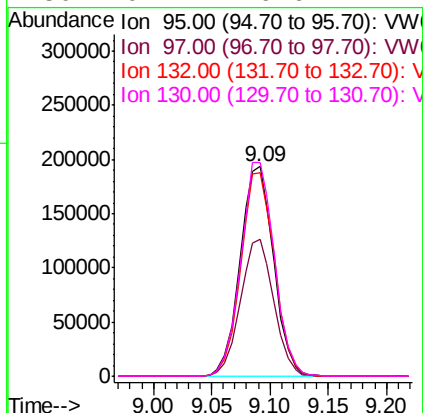
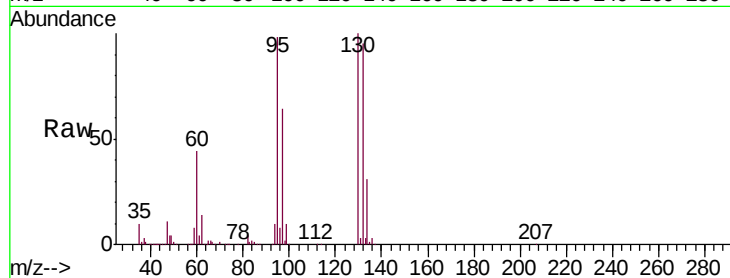




#35
 Trichloroethene
 Concen: 26.228 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014466.D
 Acq: 19 Dec 2019 19:10

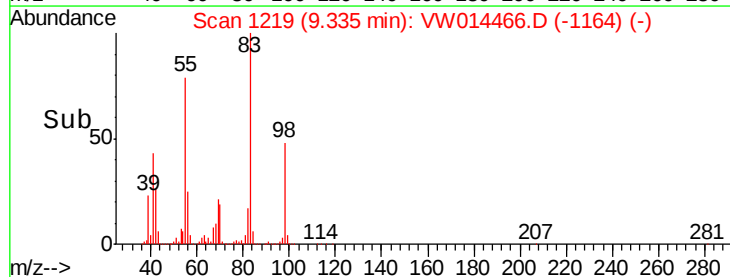
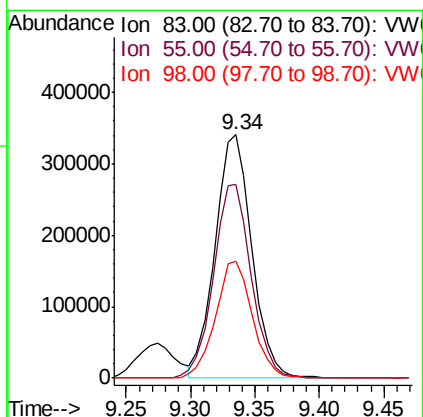
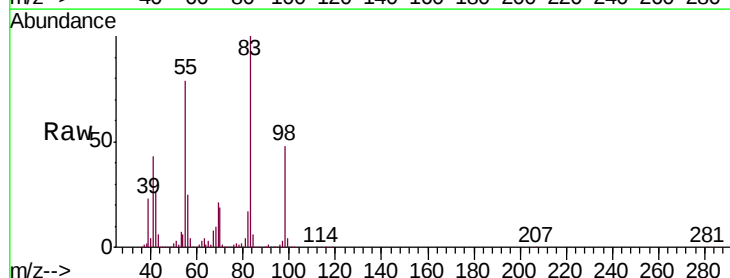
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

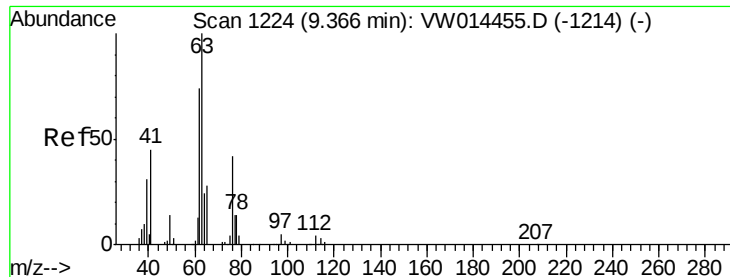
Tgt Ion:	95	Resp:	387775
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.1	83.9
132	97.3	73.7	136.9
130	102.1	76.6	142.2



#36
 Methylcyclohexane
 Concen: 27.493 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW014466.D
 Acq: 19 Dec 2019 19:10

Tgt Ion:	83	Resp:	683024
Ion	Ratio	Lower	Upper
83	100		
55	80.7	59.8	89.8
98	47.9	39.5	59.3

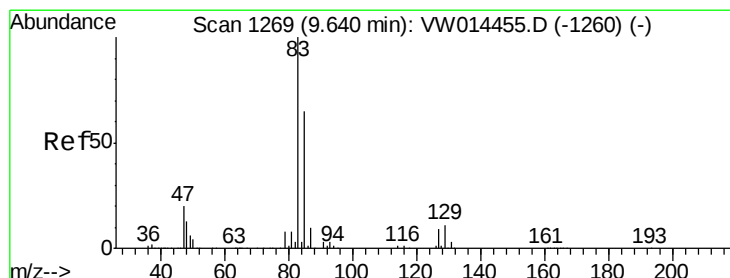
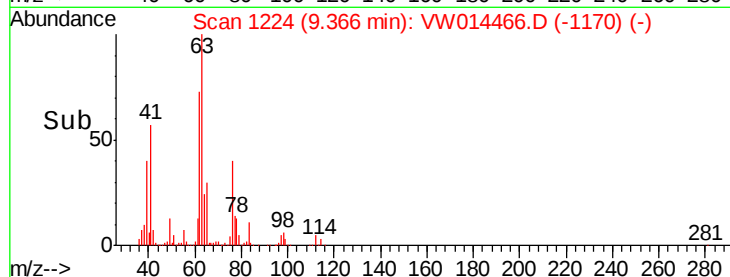
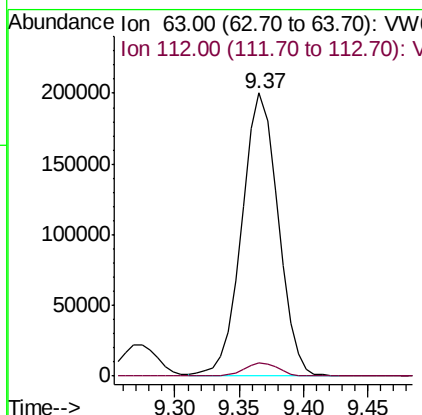
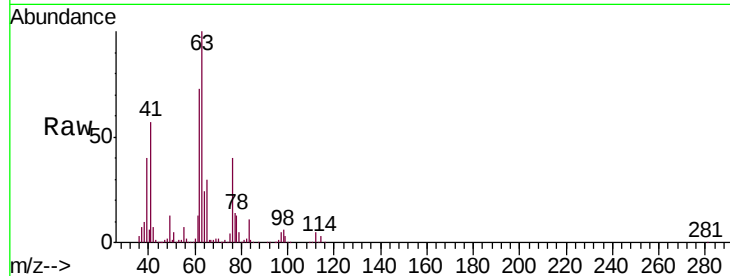




#40
 1,2-Dichloropropane
 Concen: 26.374 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014466.D
 Acq: 19 Dec 2019 19:10

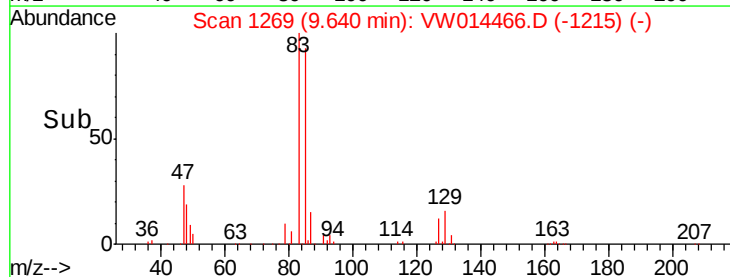
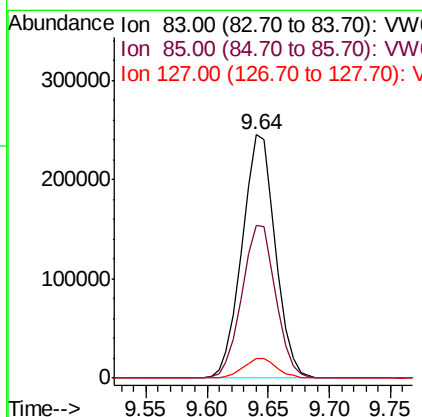
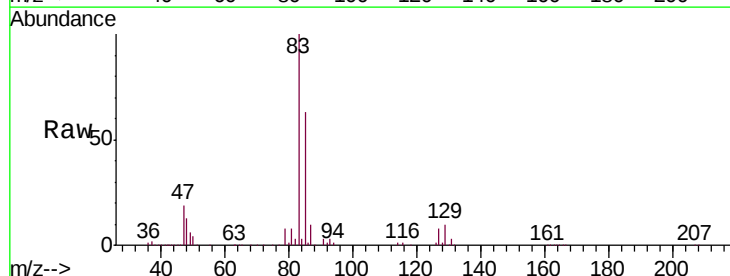
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

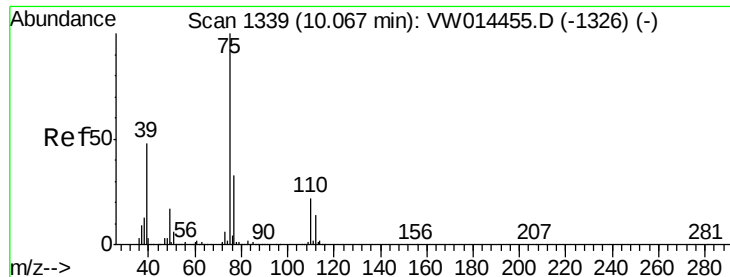
Tgt Ion: 63 Resp: 391517
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.729 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014466.D
 Acq: 19 Dec 2019 19:10

Tgt Ion: 83 Resp: 464172
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.1 83.7
 127 8.1 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 25.668 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

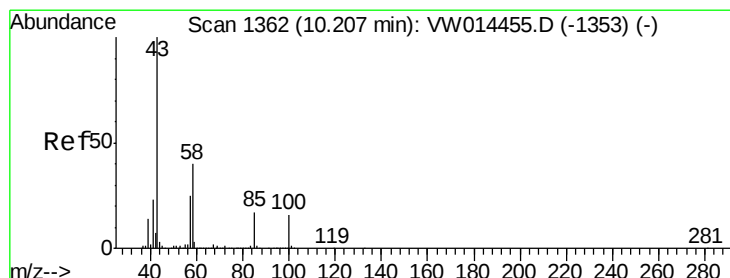
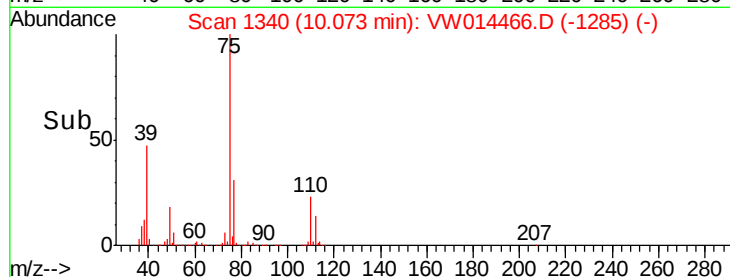
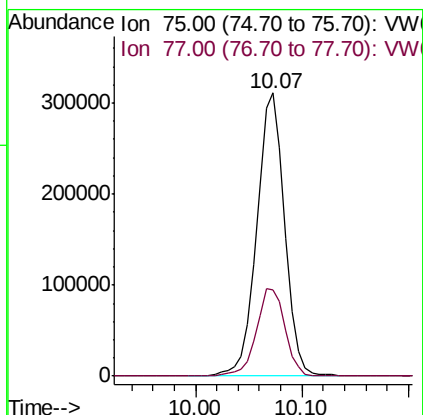
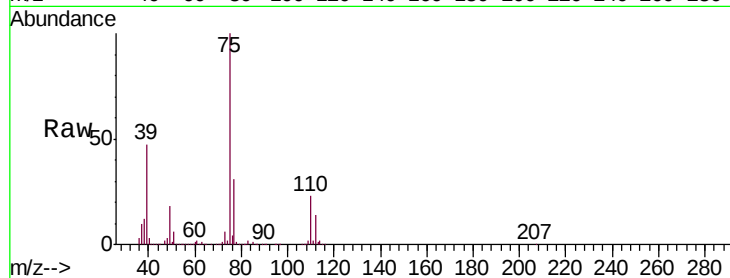
VSTD02529

Tgt Ion: 75 Resp: 570631

Ion Ratio Lower Upper

75 100

77 30.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 45.816 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

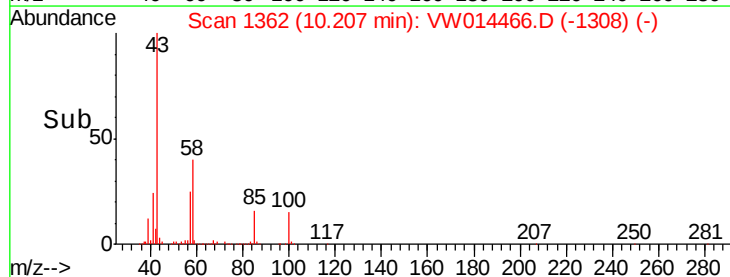
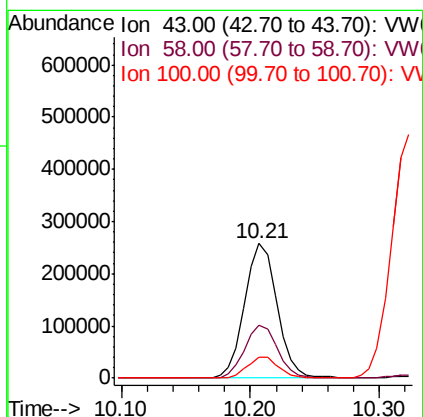
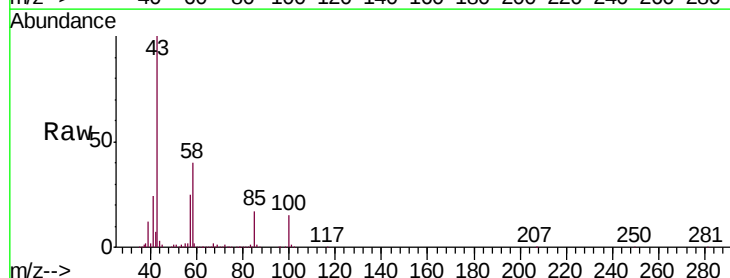
Tgt Ion: 43 Resp: 448494

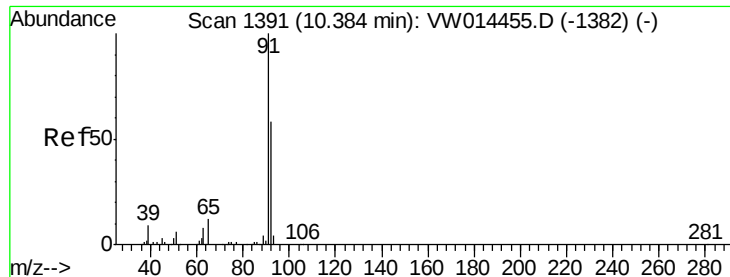
Ion Ratio Lower Upper

43 100

58 39.7 32.6 49.0

100 15.1 13.8 20.8





#44

Toluene

Concen: 27.136 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampled :

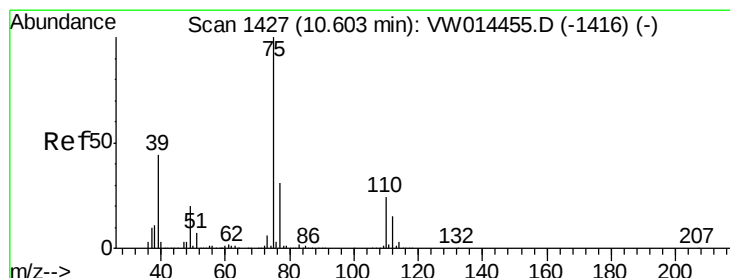
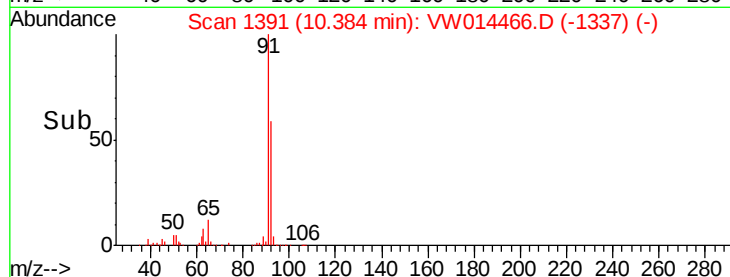
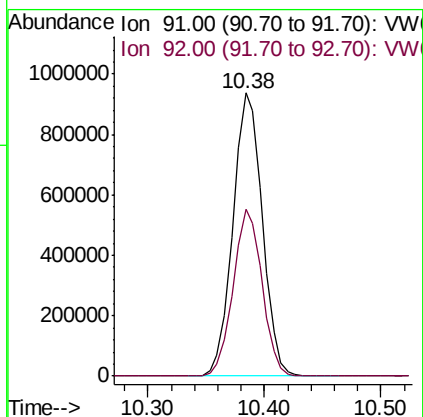
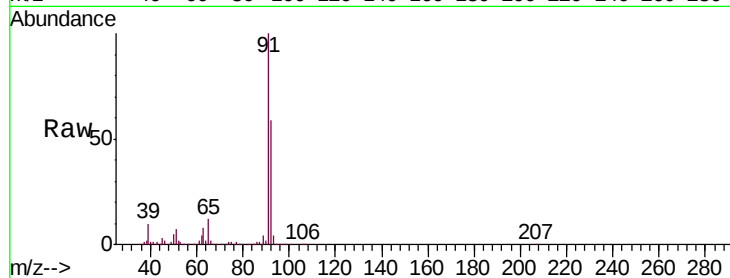
VSTD02529

Tgt Ion: 91 Resp: 1643904

Ion Ratio Lower Upper

91 100

92 58.9 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.023 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014466.D

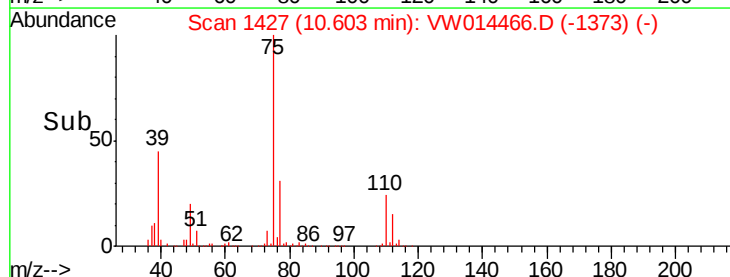
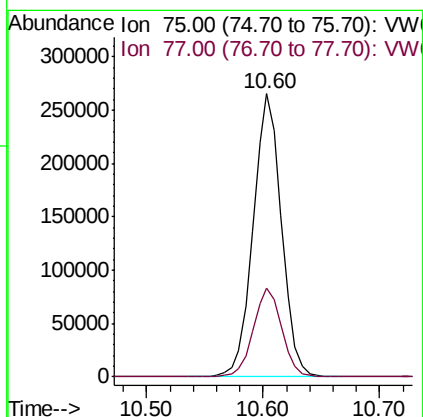
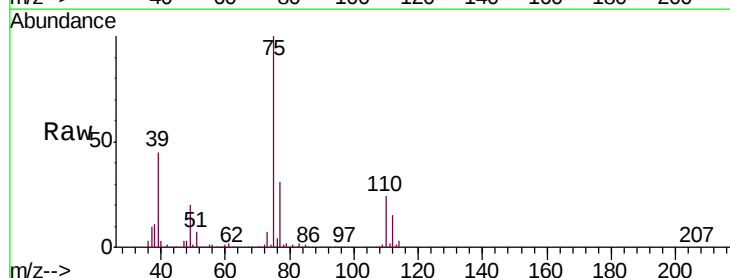
Acq: 19 Dec 2019 19:10

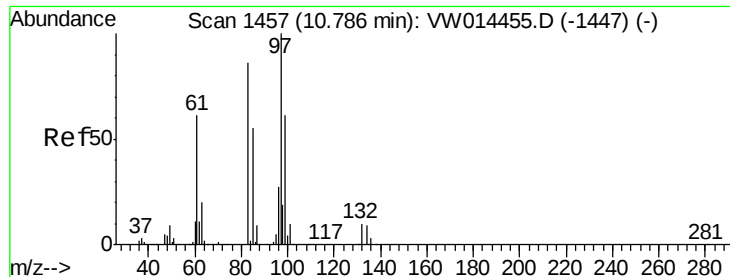
Tgt Ion: 75 Resp: 450302

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 23.478 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tgt Ion: 97 Resp: 261175

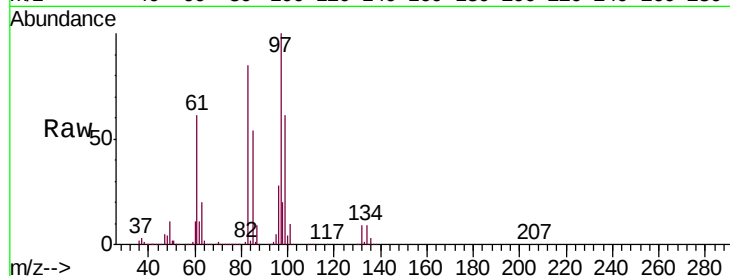
Ion Ratio Lower Upper

97 100

83 85.2 58.9 109.5

85 54.1 38.1 70.9

99 61.4 46.5 86.3

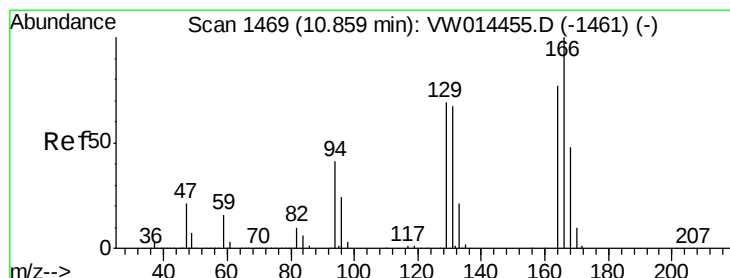
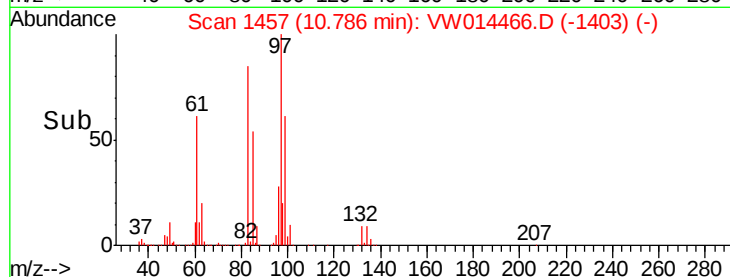
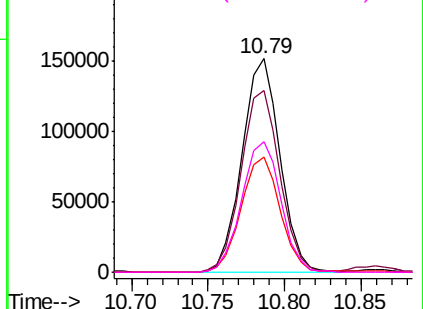


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.962 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Tgt Ion: 164 Resp: 319919

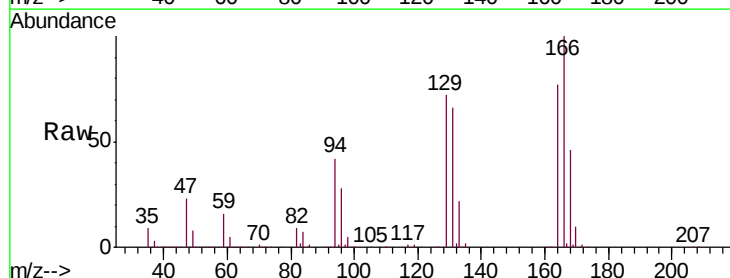
Ion Ratio Lower Upper

164 100

129 93.0 60.6 112.6

131 85.4 59.1 109.7

166 129.6 90.8 168.6

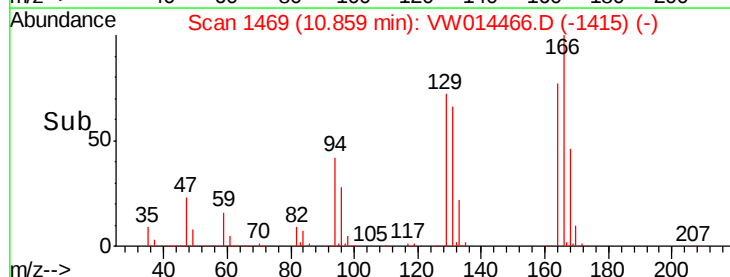
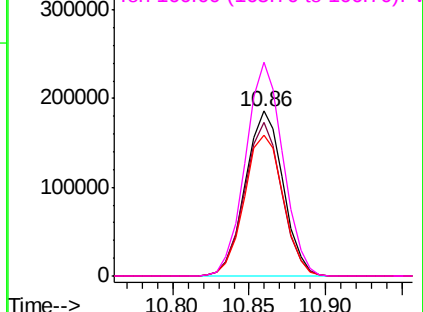


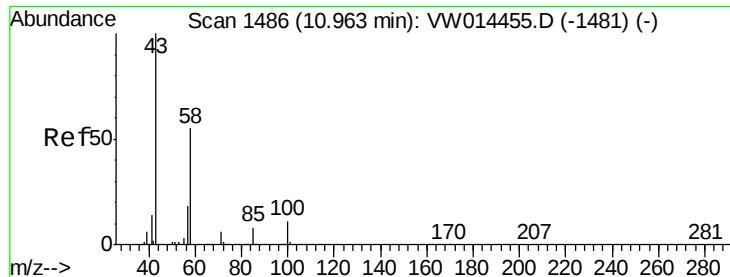
Abundance Ion 164.00 (163.70 to 164.70): V

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: 44.154 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampled :

VSTD02529

Tgt Ion: 43 Resp: 307718

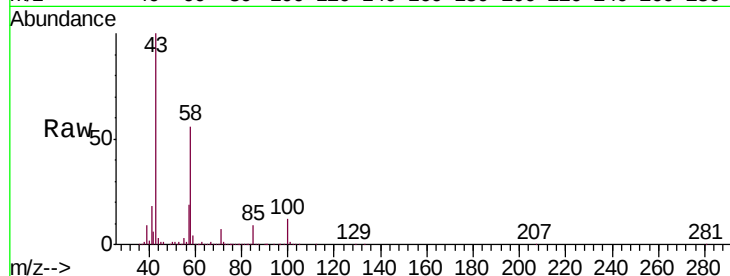
Ion Ratio Lower Upper

43 100

58 56.0 44.4 66.6

57 18.6 16.5 24.7

100 12.4 11.1 16.7

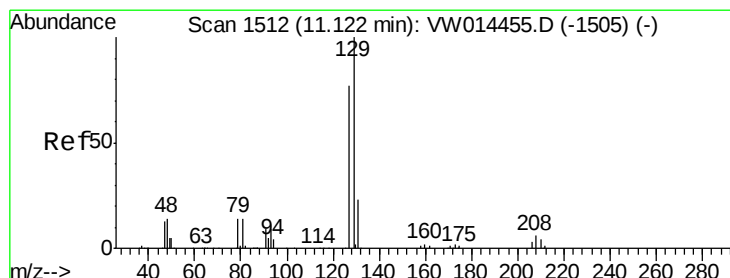
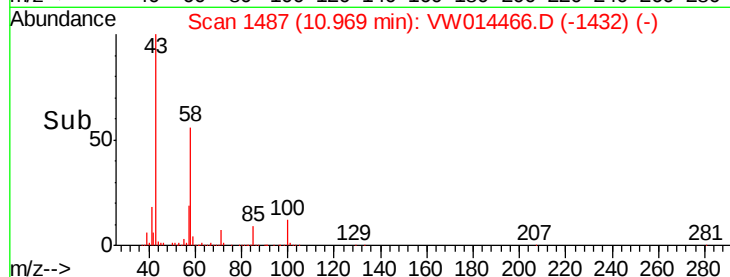
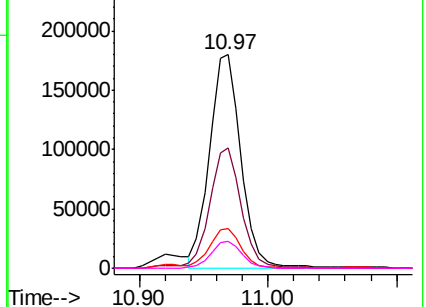


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 23.670 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VW014466.D

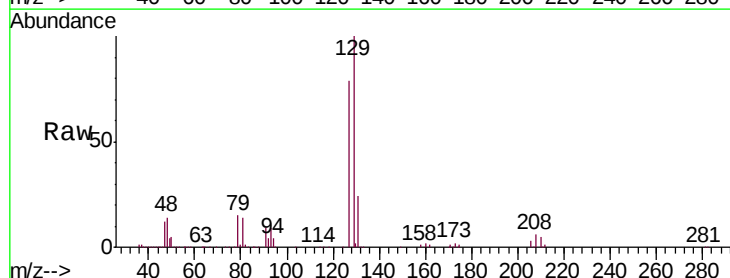
Acq: 19 Dec 2019 19:10

Tgt Ion: 129 Resp: 295518

Ion Ratio Lower Upper

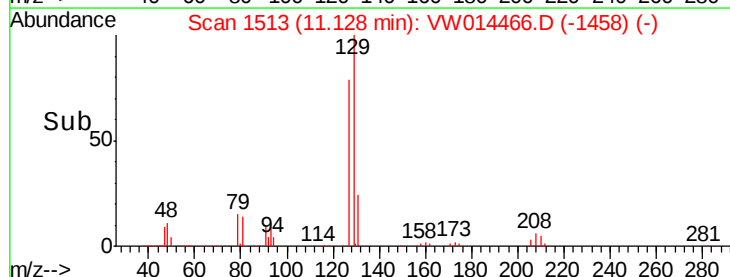
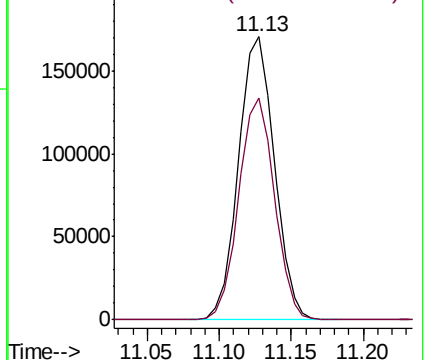
129 100

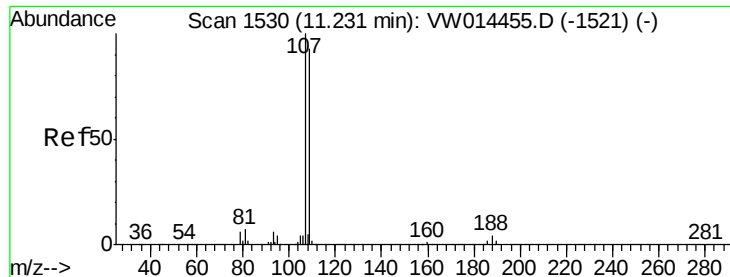
127 78.6 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

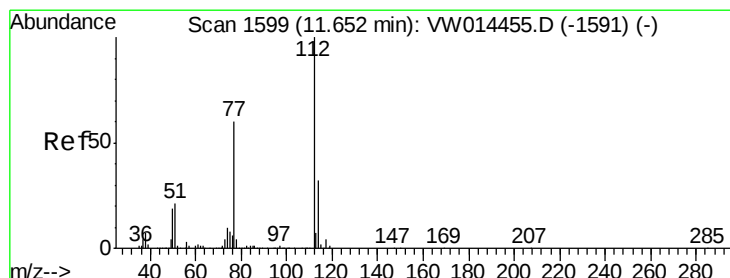
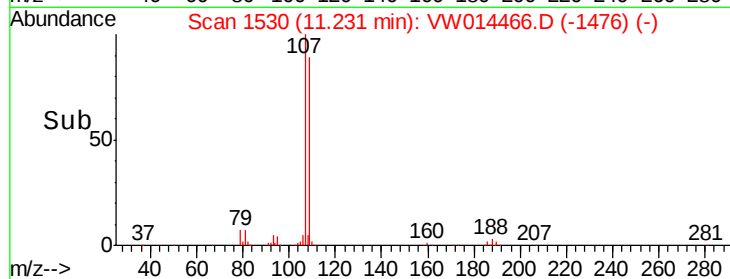
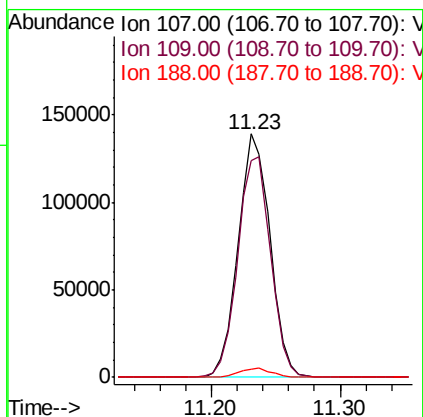
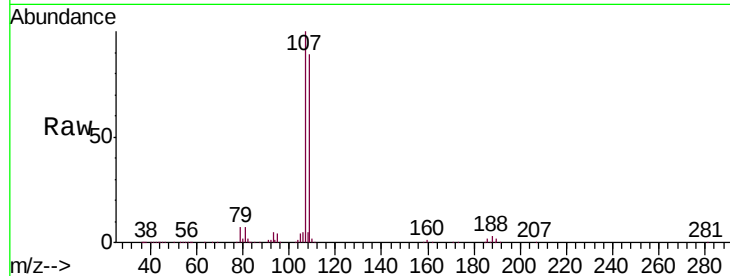




#51
1,2-Dibromoethane
Concen: 22.627 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

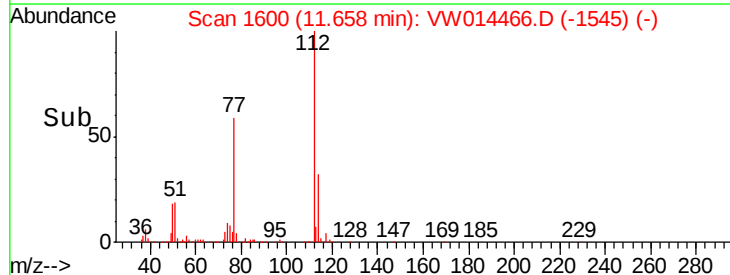
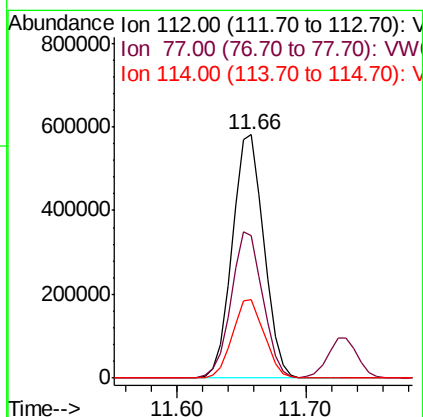
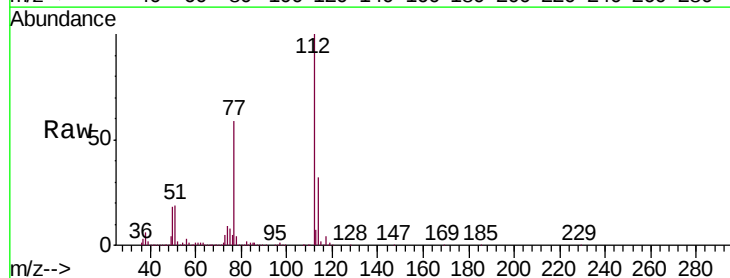
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

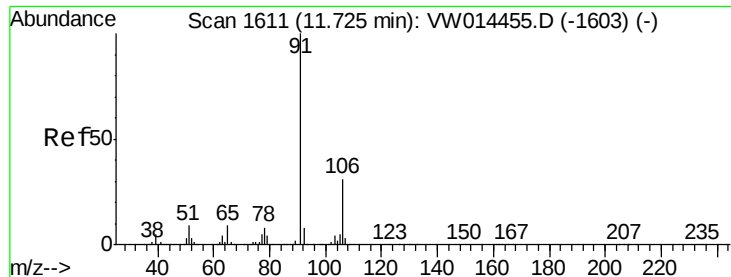
Tgt Ion	Ratio	Lower	Upper
107	100		
109	88.9	64.6	120.0
188	3.4	3.9	5.9#



#52
Chlorobenzene
Concen: 25.413 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.7	42.2	63.4
114	32.2	22.5	41.9

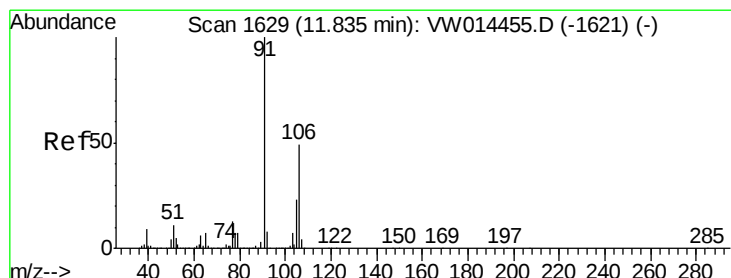
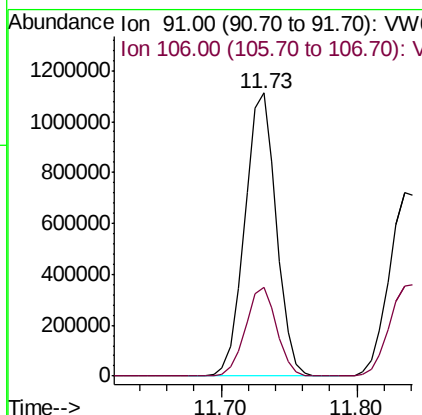
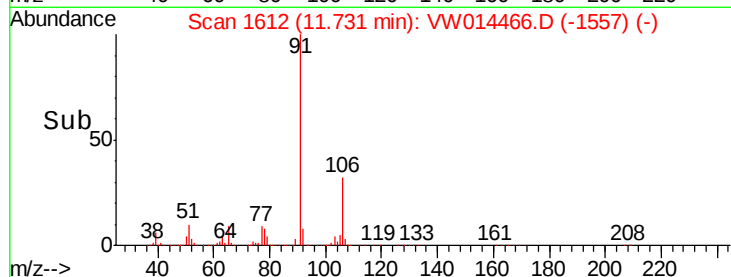
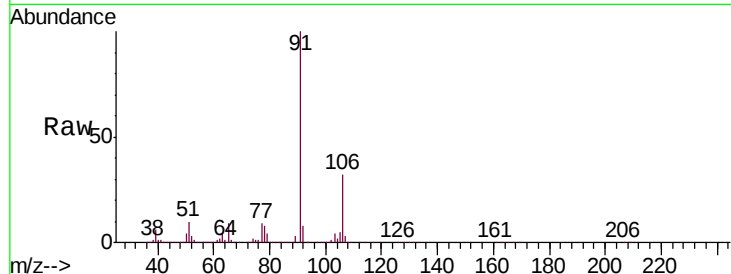




#53
Ethylbenzene
Concen: 27.339 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

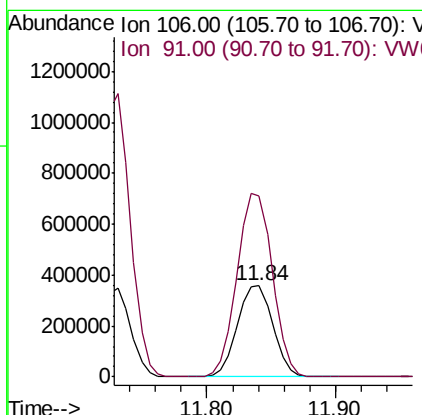
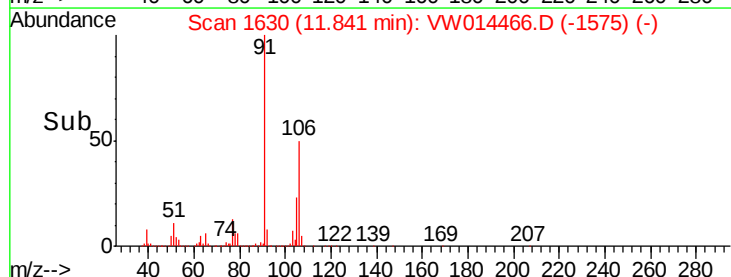
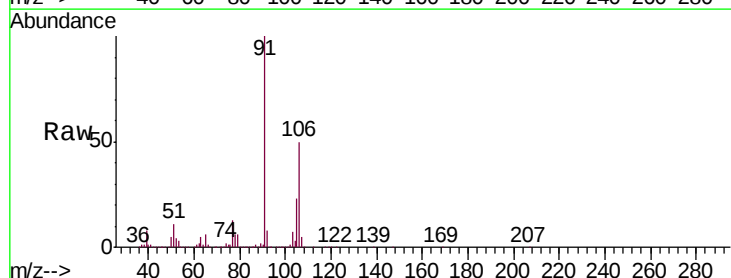
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

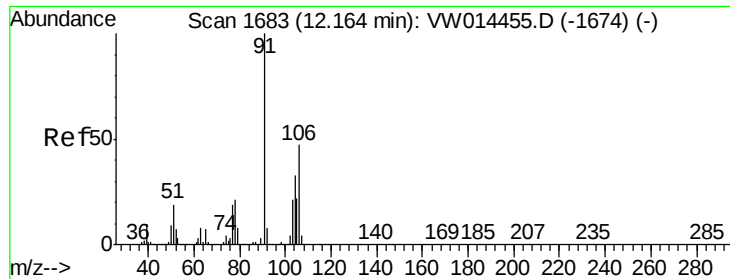
Tgt Ion: 91 Resp: 1797096
Ion Ratio Lower Upper
91 100
106 31.6 22.3 41.5



#54
m,p-Xylene
Concen: 27.134 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014466.D
Acq: 19 Dec 2019 19:10

Tgt Ion: 106 Resp: 686114
Ion Ratio Lower Upper
106 100
91 199.8 138.7 257.5





#55

o-xylene

Concen: 26.824 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

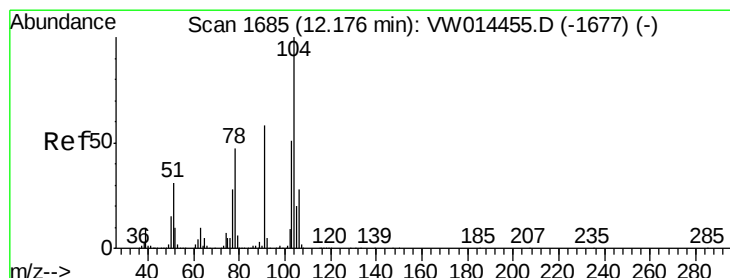
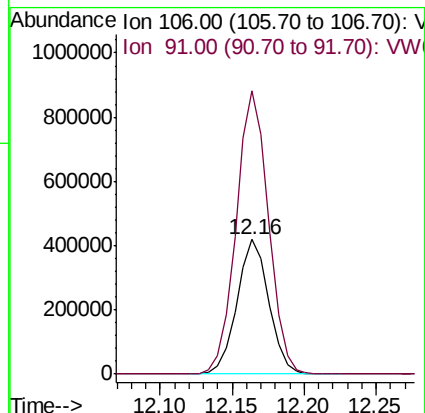
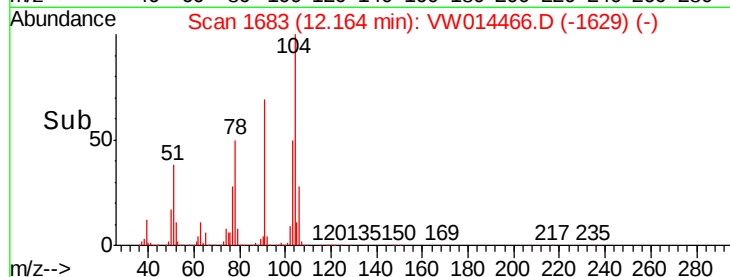
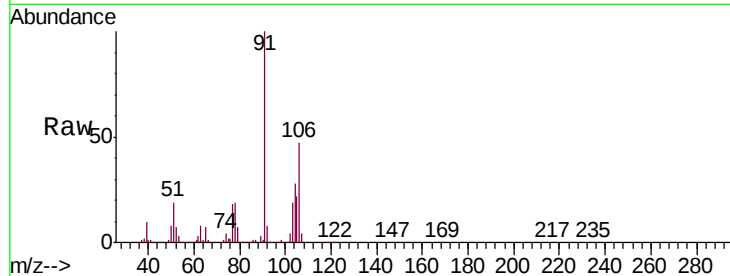
VSTD02529

Tgt Ion:106 Resp: 643347

Ion Ratio Lower Upper

106 100

91 210.6 148.3 275.5



#56

Styrene

Concen: 26.894 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014466.D

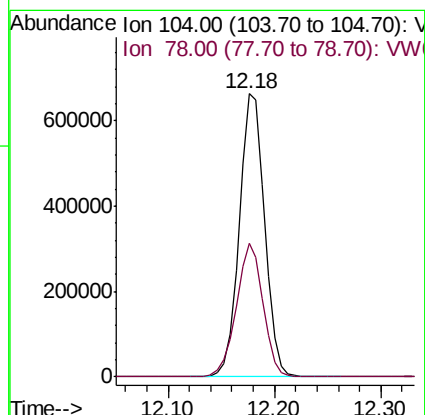
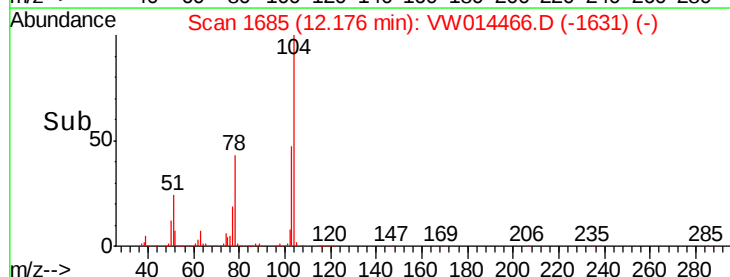
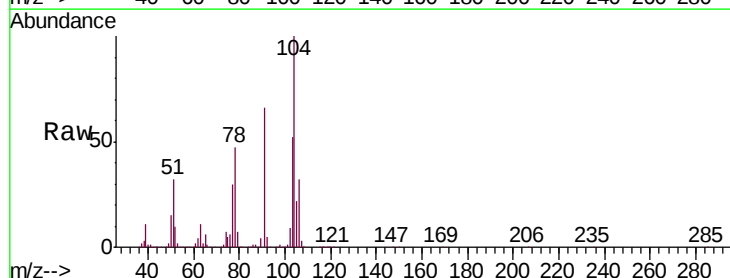
Acq: 19 Dec 2019 19:10

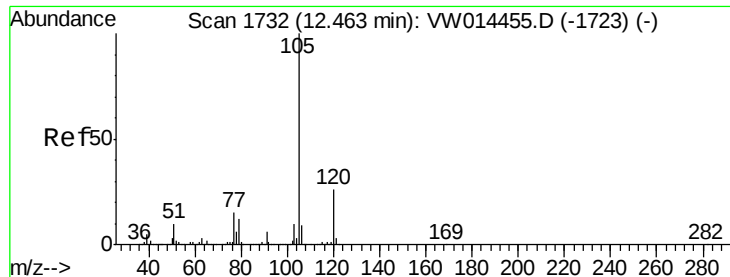
Tgt Ion:104 Resp: 1103481

Ion Ratio Lower Upper

104 100

78 47.3 30.6 56.8





#57

Isopropylbenzene

Concen: 28.108 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

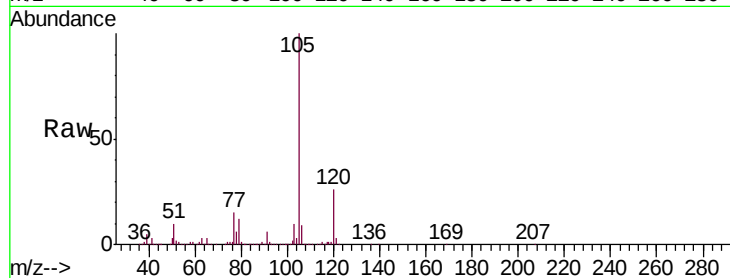
Tgt Ion: 105 Resp: 1750137

Ion Ratio Lower Upper

105 100

120 26.3 21.6 32.4

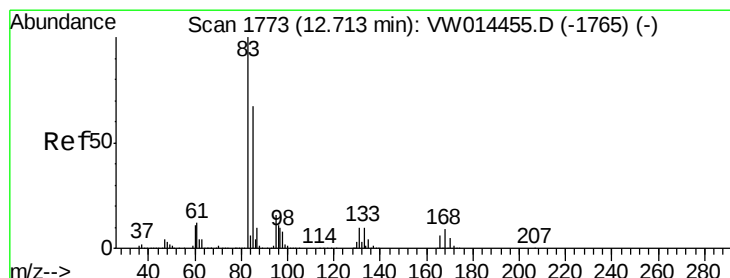
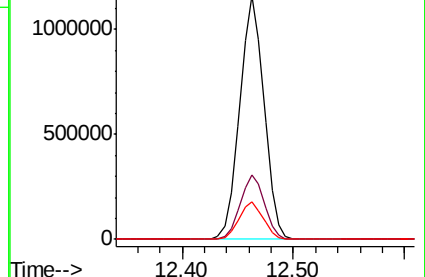
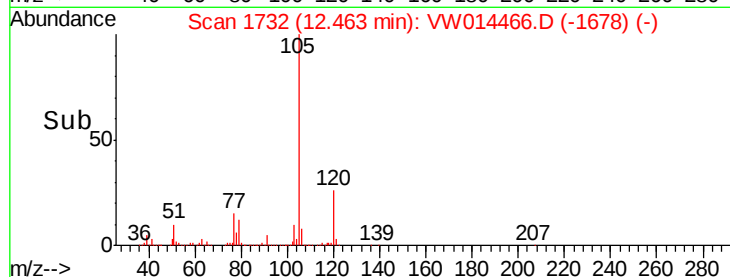
77 15.4 11.6 17.4



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: 22.642 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

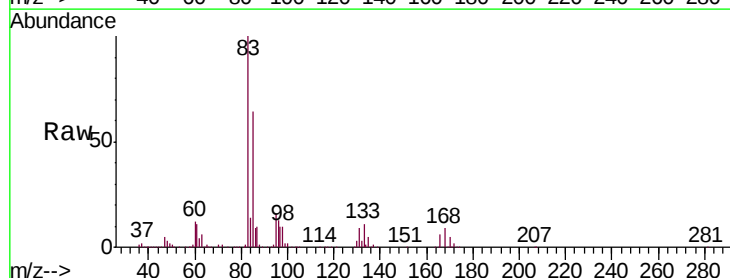
Tgt Ion: 83 Resp: 312616

Ion Ratio Lower Upper

83 100

85 64.3 43.7 81.1

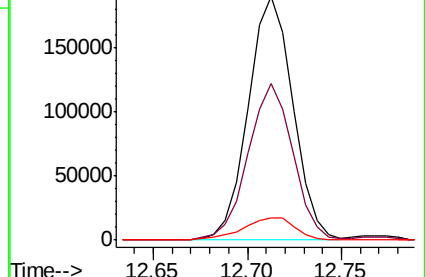
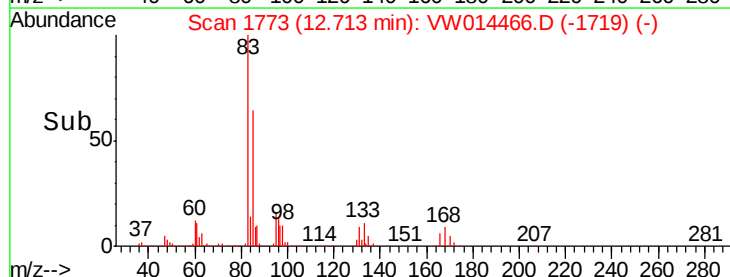
131 9.2 8.2 12.2

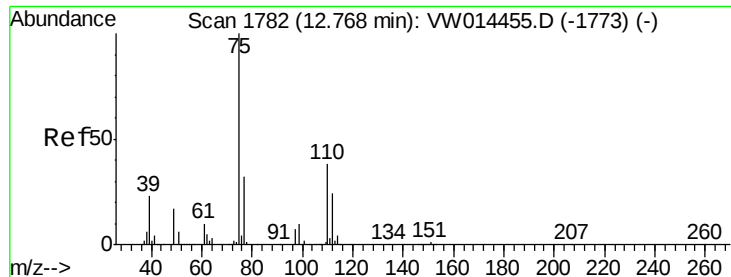


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.332 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

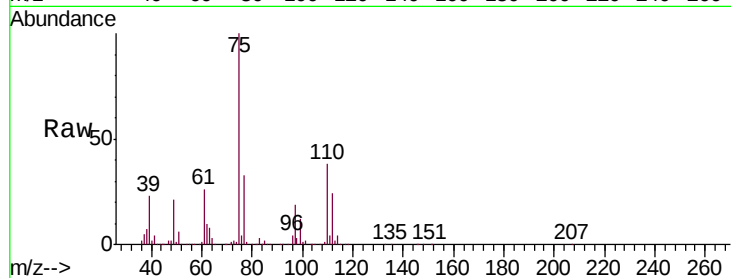
VSTD02529

Tgt Ion: 75 Resp: 229112

Ion Ratio Lower Upper

75 100

77 32.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

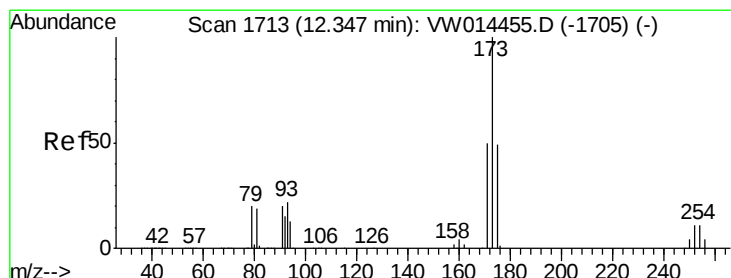
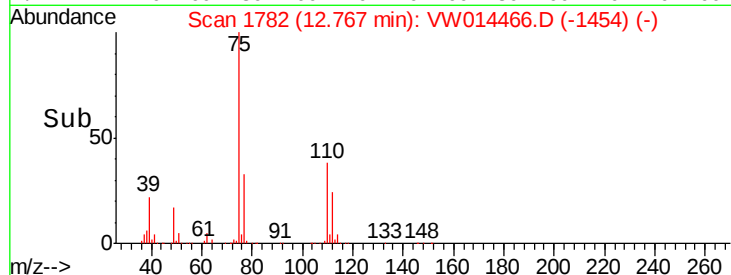
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 21.592 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

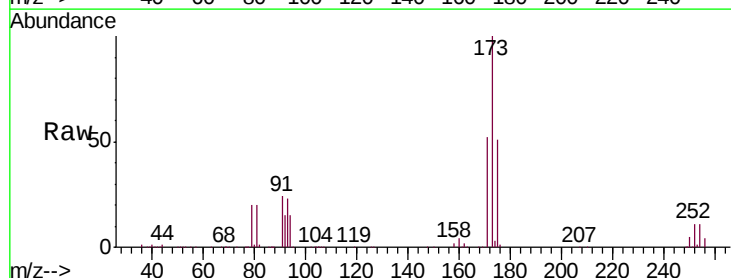
Tgt Ion: 173 Resp: 164547

Ion Ratio Lower Upper

173 100

175 48.2 38.8 58.2

254 11.7 9.4 14.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

120000

100000

80000

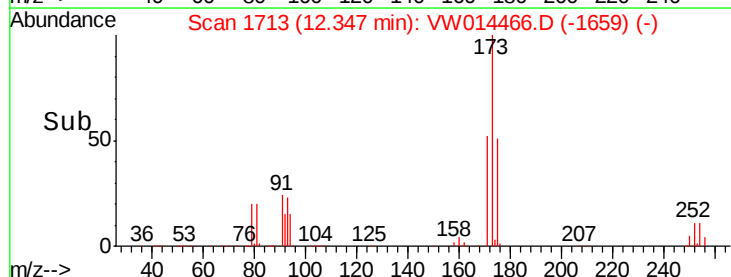
60000

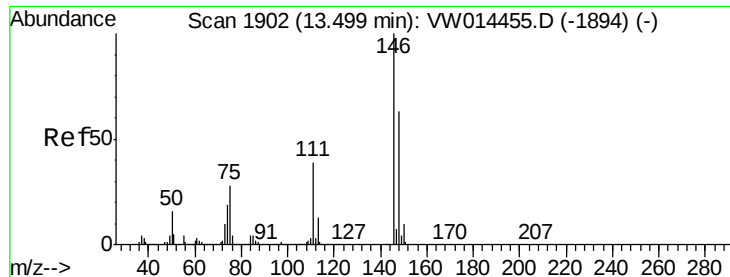
40000

20000

0

Time-->

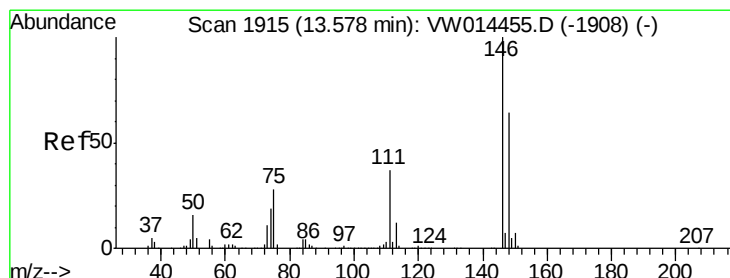
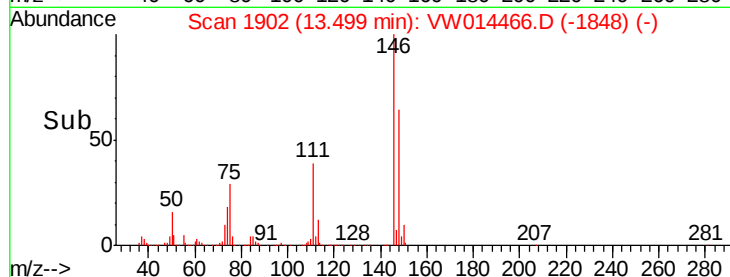
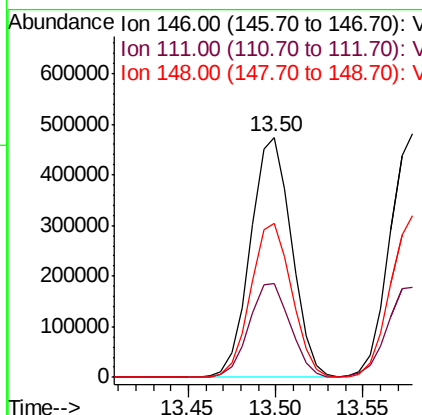
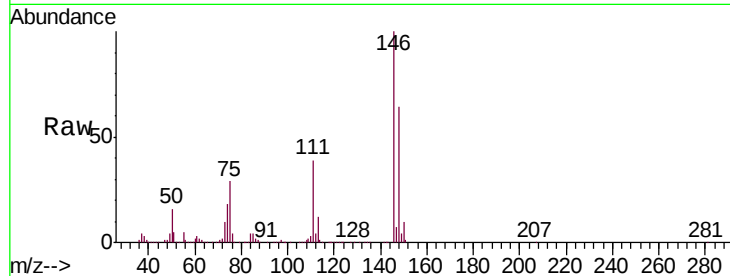




#63
 1,3-Dichlorobenzene
 Concen: 25.625 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014466.D
 Acq: 19 Dec 2019 19:10

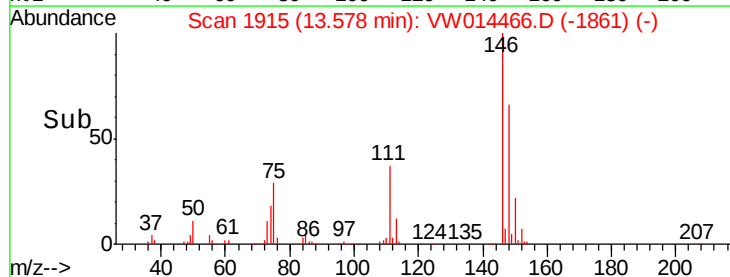
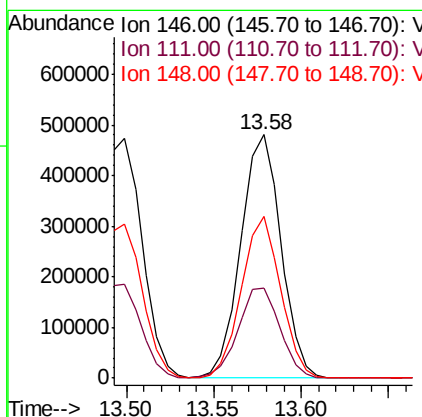
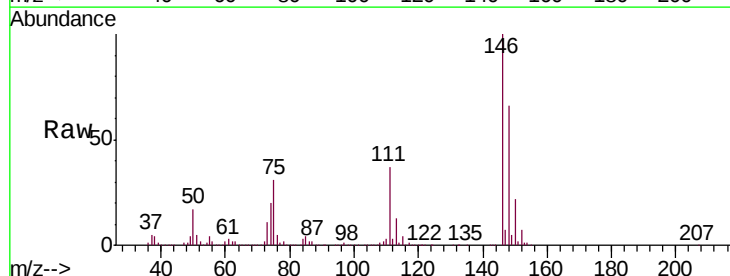
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

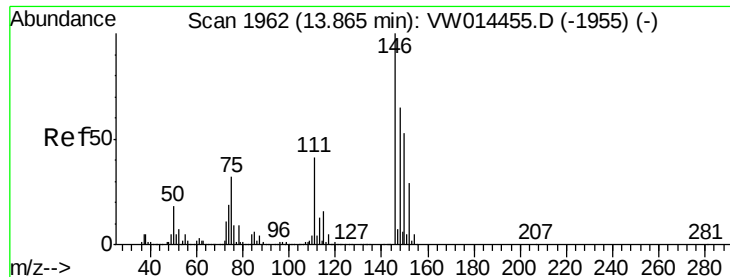
Tgt Ion:146 Resp: 773362
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.0 48.2
 148 64.3 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.099 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014466.D
 Acq: 19 Dec 2019 19:10

Tgt Ion:146 Resp: 769607
 Ion Ratio Lower Upper
 146 100
 111 37.2 24.9 46.3
 148 66.4 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 24.672 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampled :

VSTD02529

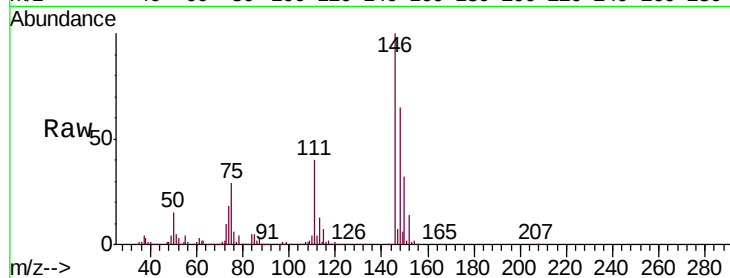
Tgt Ion:146 Resp: 692416

Ion Ratio Lower Upper

146 100

111 39.8 30.5 45.7

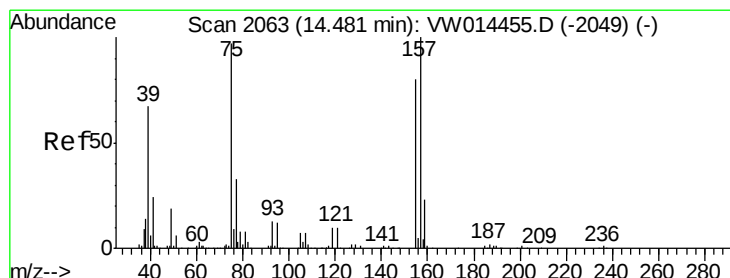
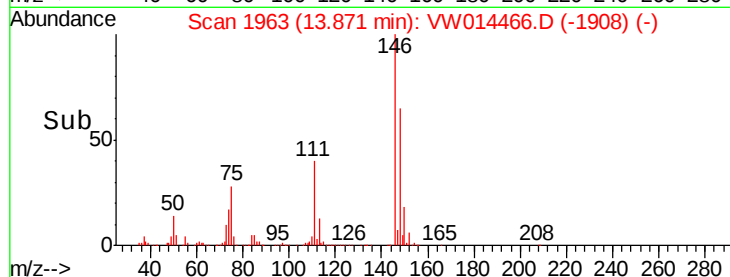
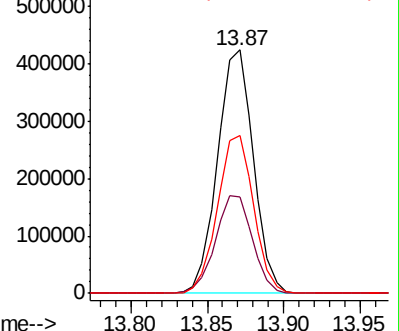
148 64.6 49.4 74.2



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: 20.979 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

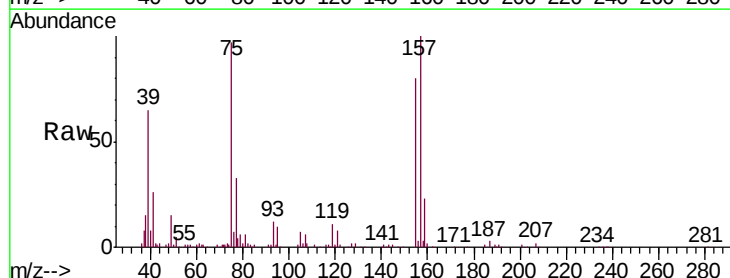
Tgt Ion: 75 Resp: 45420

Ion Ratio Lower Upper

75 100

157 103.1 96.9 145.3

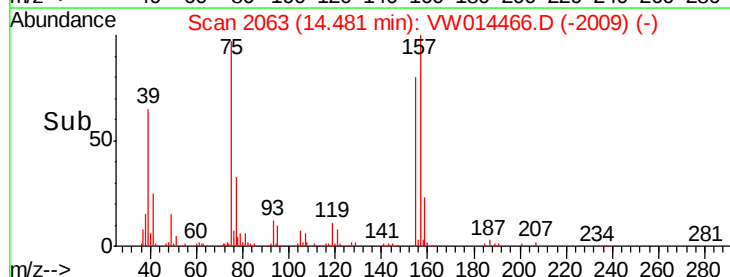
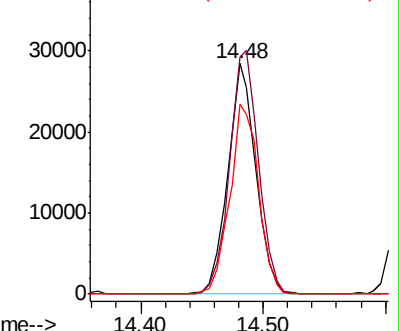
155 82.1 82.9 124.3#

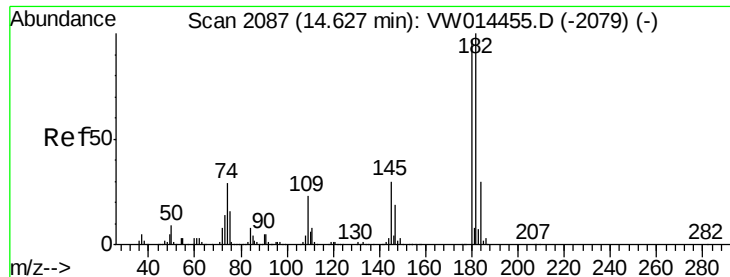


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

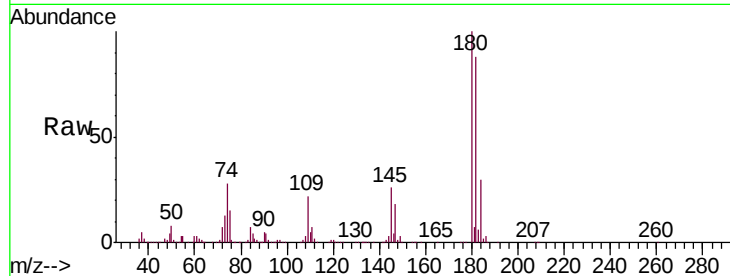




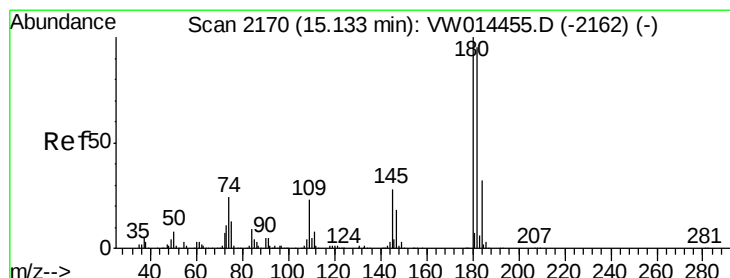
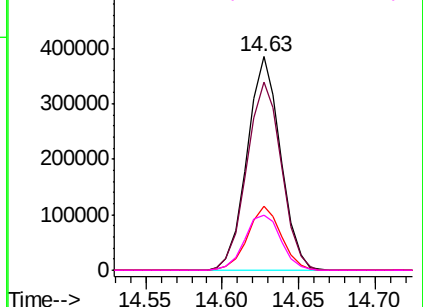
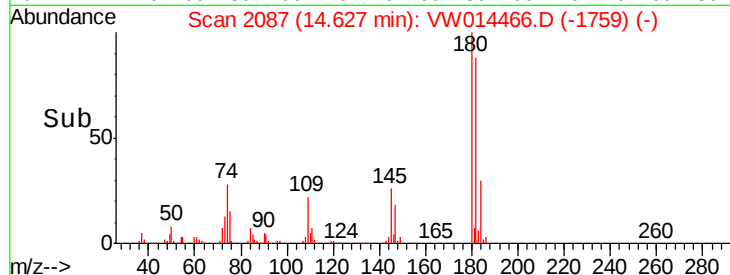
#67
 1,3,5-Trichlorobenzene
 Concen: 26.930 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014466.D
 Acq: 19 Dec 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tgt Ion:	180	Resp:	584750
Ion	Ratio	Lower	Upper
180	100		
182	91.3	76.2	114.2
184	29.9	24.3	36.5
145	28.0	21.9	32.9

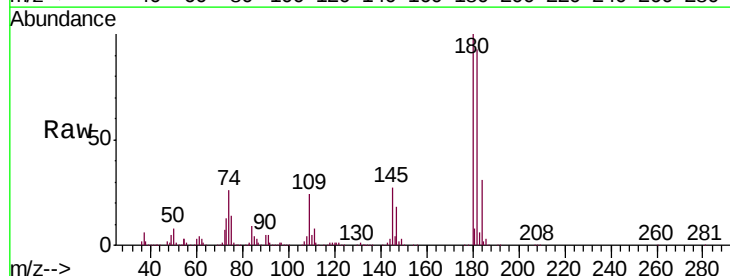


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

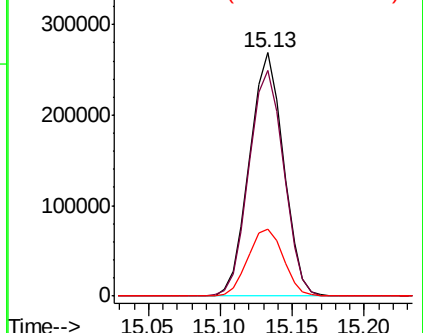
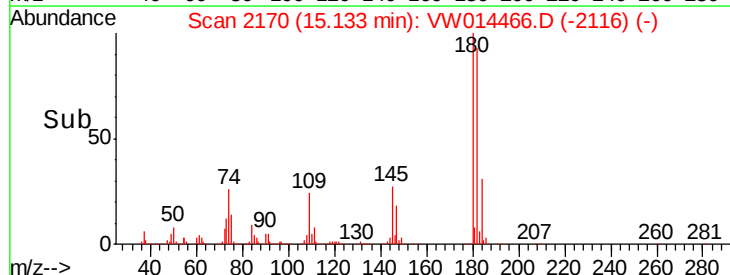


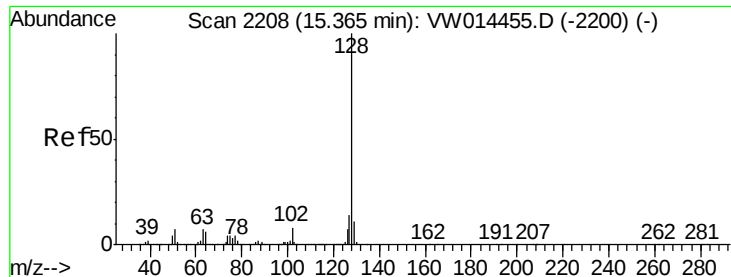
#68
 1,2,4-trichlorobenzene
 Concen: 25.897 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014466.D
 Acq: 19 Dec 2019 19:10

Tgt Ion:	180	Resp:	438365
Ion	Ratio	Lower	Upper
180	100		
182	95.0	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: 22.996 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

Instrument :

MSVOA_W

ClientSampled :

VSTD02529

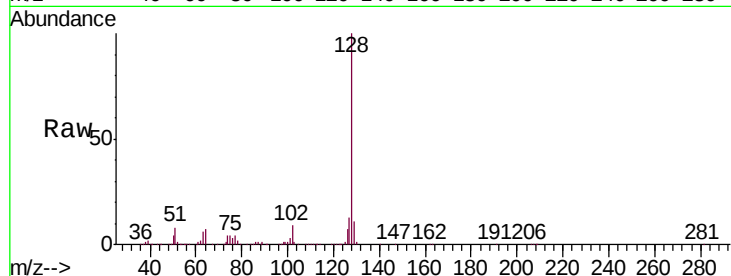
Tgt Ion:128 Resp: 732019

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

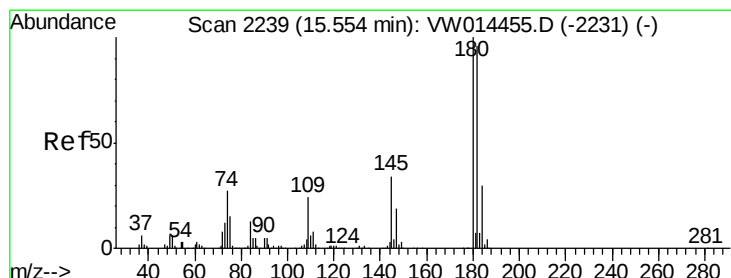
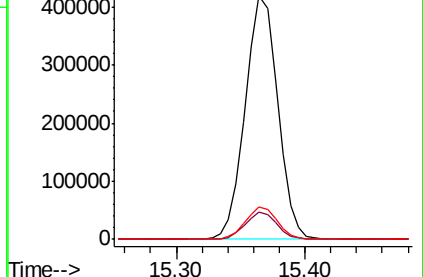
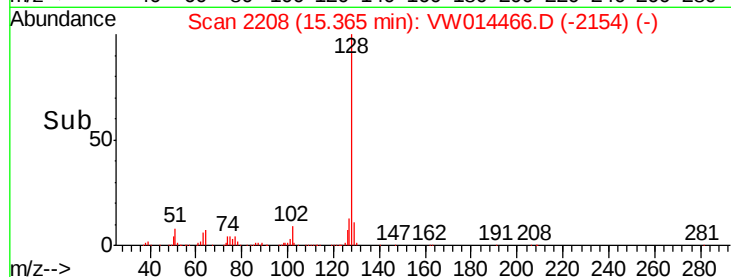
127 13.1 10.4 15.6



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: 25.087 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014466.D

Acq: 19 Dec 2019 19:10

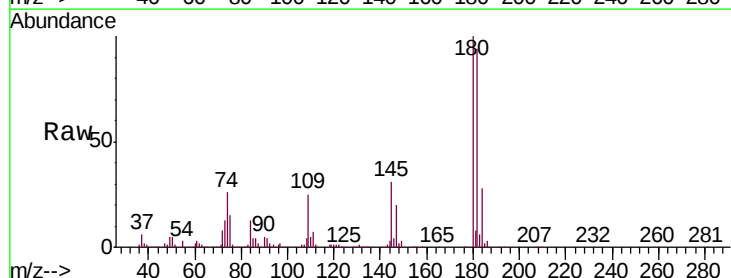
Tgt Ion:180 Resp: 398217

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.6

145 30.5 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

