

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122719\
 Data File : VW014474.D
 Acq On : 27 Dec 2019 17:15
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC025

Quant Time: Dec 28 05:37:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 28 03:24:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1155539	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1003525	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	487127	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	291540	17.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.60%
7) Chloroethane-d5	2.89	69	284847	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.92%
10) 1,1-Dichloroethene-d2	4.02	63	694629	23.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.24%
20) 2-Butanone-d5	7.07	46	221097	57.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.08%
24) Chloroform-d	7.64	84	737416	27.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.96%
26) 1,2-Dichloroethane-d4	8.30	65	365261	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.92%
29) Benzene-d6	8.27	84	1446456	27.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.40%
33) 1,2-Dichloropropane-d6	9.27	67	458183	28.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.24%
37) Toluene-d8	10.32	98	1292723	26.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.88%
38) trans-1,3-Dichloropropene-	10.57	79	174459	26.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.28%
39) 2-Hexanone-d5	10.92	63	166498	60.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	343510	28.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	442991	27.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	272236	26.336	ug/L 99
3) Chloromethane	2.21	50	281226	24.064	ug/L 100
5) Vinyl chloride	2.36	62	449067	27.006	ug/L 97
6) Bromomethane	2.78	94	266548	27.451	ug/L 99
8) Chloroethane	2.92	64	267378	28.755	ug/L 99
9) Trichlorofluoromethane	3.26	101	302659	34.411	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	424491	28.114	ug/L 99
12) 1,1-Dichloroethene	4.04	96	412108	27.872	ug/L 95
13) Acetone	4.11	43	228881	42.648	ug/L 97
14) Carbon disulfide	4.38	76	1201251	26.315	ug/L 99
15) Methyl Acetate	4.66	43	179814	24.830	ug/L 98
16) Methylene chloride	4.90	84	453483	24.067	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	529115	27.803	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	440778	28.300	ug/L 98
19) 1,1-Dichloroethane	6.21	63	819224	29.097	ug/L 99
21) 2-Butanone	7.17	43	262711	45.625	ug/L 100
22) cis-1,2-Dichloroethene	7.16	96	472051	28.793	ug/L 98

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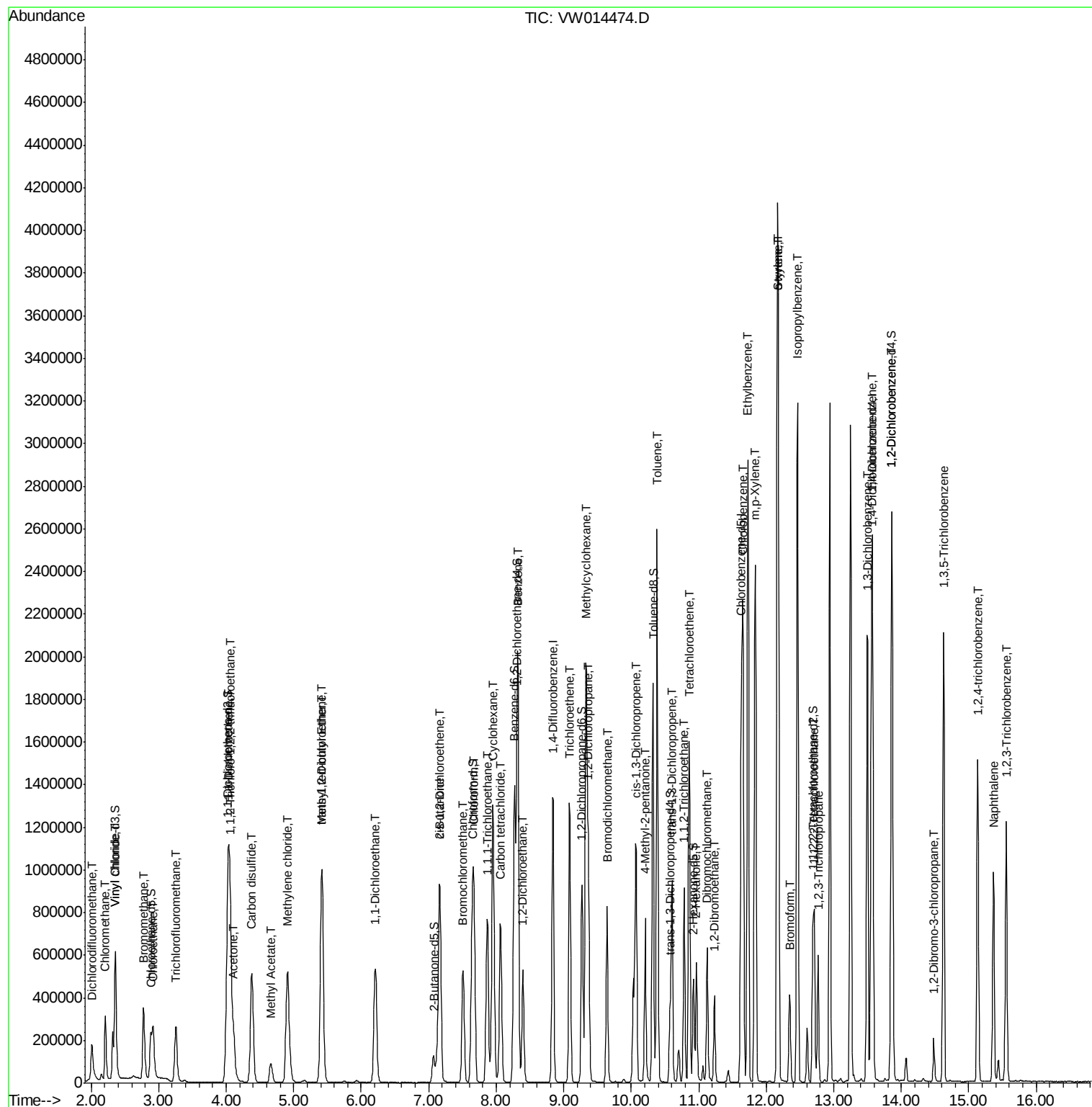
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	194811	27.449	uq/L	99
25) Chloroform	7.67	83	783415	29.091	uq/L	100
27) 1,2-Dichloroethane	8.40	62	477195	27.297	uq/L	98
30) Cyclohexane	7.95	56	774064	30.154	uq/L	98
31) 1,1,1-Trichloroethane	7.87	97	632397	30.721	uq/L	99
32) Carbon tetrachloride	8.06	117	580579	30.271	uq/L	99
34) Benzene	8.32	78	1815538	30.063	uq/L	100
35) Trichloroethene	9.09	95	460650	29.555	uq/L	99
36) Methylcyclohexane	9.33	83	814356	29.782	uq/L	99
40) 1,2-Dichloropropane	9.37	63	446742	29.227	uq/L	100
41) Bromodichloromethane	9.64	83	547183	29.761	uq/L	98
42) cis-1,3-Dichloropropene	10.07	75	680513	29.804	uq/L	98
43) 4-Methyl-2-pentanone	10.21	43	500393	50.996	uq/L	99
44) Toluene	10.38	91	1910763	30.277	uq/L	97
45) trans-1,3-Dichloropropene	10.60	75	526142	28.818	uq/L	99
46) 1,1,2-Trichloroethane	10.79	97	301828	27.878	uq/L	100
47) Tetrachloroethene	10.86	164	386600	29.540	uq/L	99
49) 2-Hexanone	10.96	43	359454	53.646	uq/L	99
50) Dibromochloromethane	11.13	129	350885	28.542	uq/L	98
51) 1,2-Dibromoethane	11.23	107	273956	26.806	uq/L	98
52) Chlorobenzene	11.66	112	1164855	29.199	uq/L	97
53) Ethylbenzene	11.73	91	2110072	30.409	uq/L	99
54) m,p-Xylene	11.84	106	807946	30.769	uq/L	98
55) o-xylene	12.16	106	749663	30.225	uq/L	98
56) Styrene	12.18	104	1282916	30.732	uq/L	99
57) Isopropylbenzene	12.46	105	2056236	31.167	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	346396	26.351	uq/L	98
59) 1,2,3-Trichloropropane	12.77	75	251503	25.540	uq/L	99
62) Bromoform	12.35	173	197678	27.156	uq/L	97
63) 1,3-Dichlorobenzene	13.50	146	909392	29.487	uq/L	97
64) 1,4-Dichlorobenzene	13.58	146	894002	28.748	uq/L	98
65) 1,2-Dichlorobenzene	13.87	146	805364	29.130	uq/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	50887	24.855	uq/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	676687	29.620	uq/L	99
68) 1,2,4-trichlorobenzene	15.13	180	507617	29.641	uq/L	98
69) Naphthalene	15.36	128	831949	28.139	uq/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	453380	29.215	uq/L	98

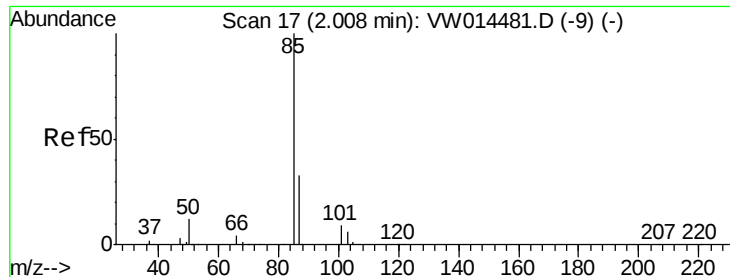
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.336 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

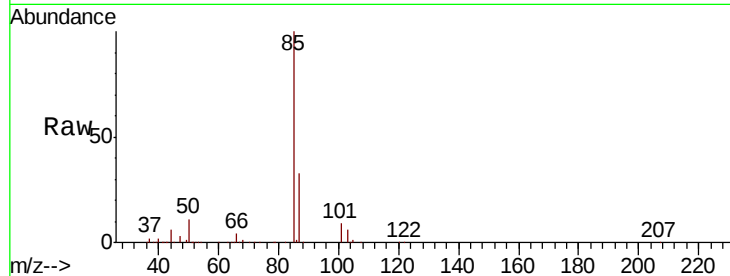
VSTDCCC025

Tot Ion: 85 Resp: 272236

Ion Ratio Lower Upper

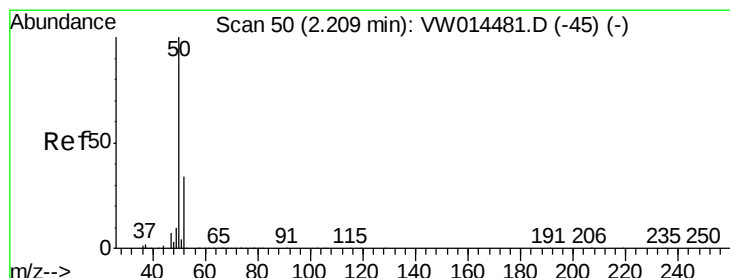
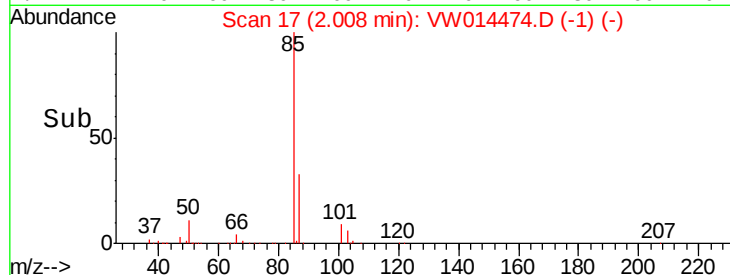
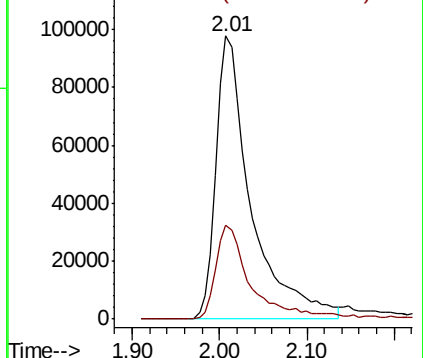
85 100

87 30.1 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.064 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014474.D

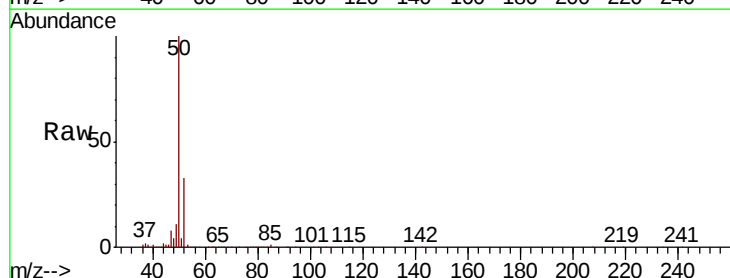
Acq: 27 Dec 2019 17:15

Tgt Ion: 50 Resp: 281226

Ion Ratio Lower Upper

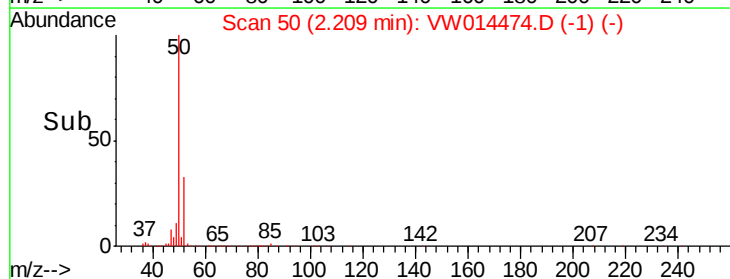
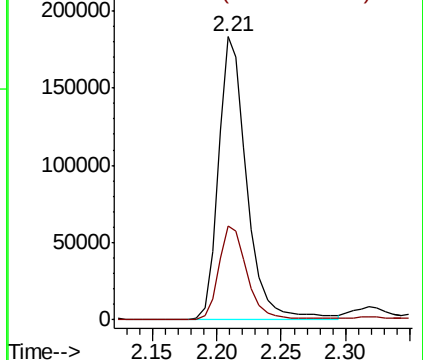
50 100

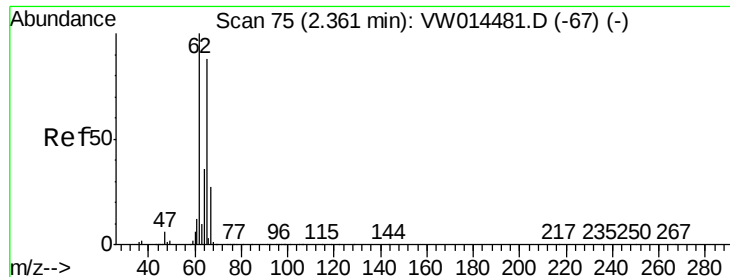
52 33.0 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.006 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

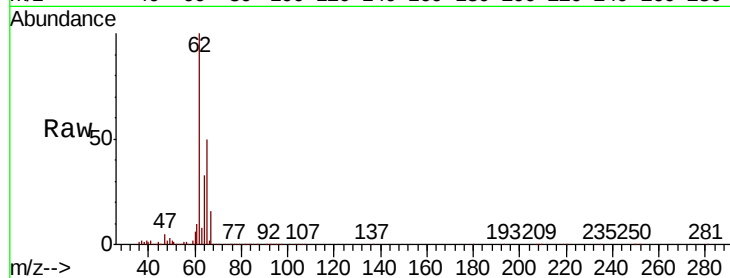
VSTDCCC025

Tot Ion: 62 Resp: 449067

Ion Ratio Lower Upper

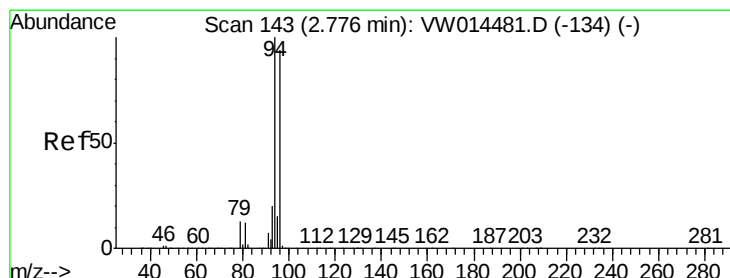
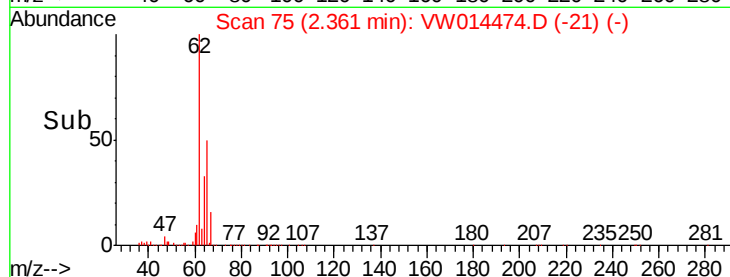
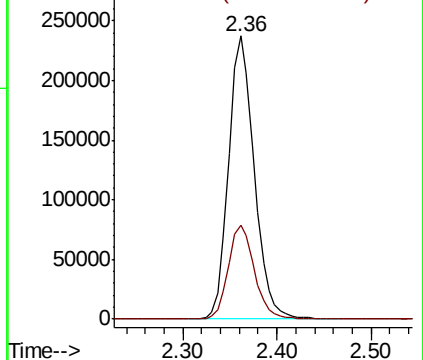
62 100

64 33.0 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 27.451 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014474.D

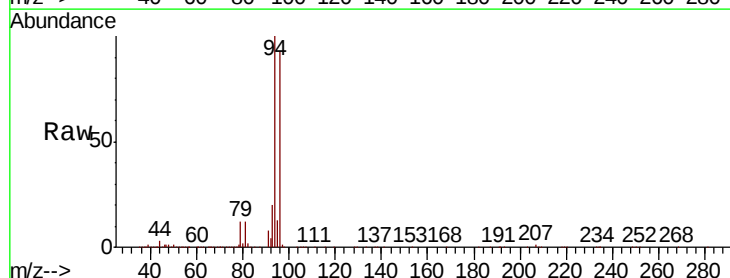
Acq: 27 Dec 2019 17:15

Tgt Ion: 94 Resp: 266548

Ion Ratio Lower Upper

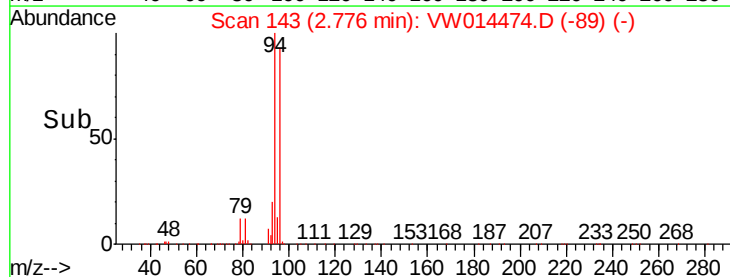
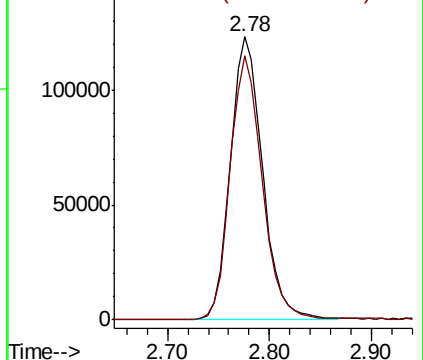
94 100

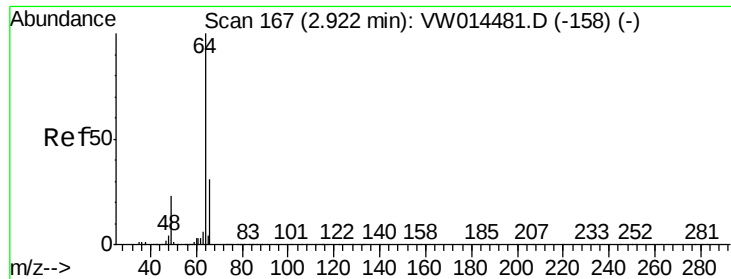
96 93.2 9.4 178.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 28.755 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

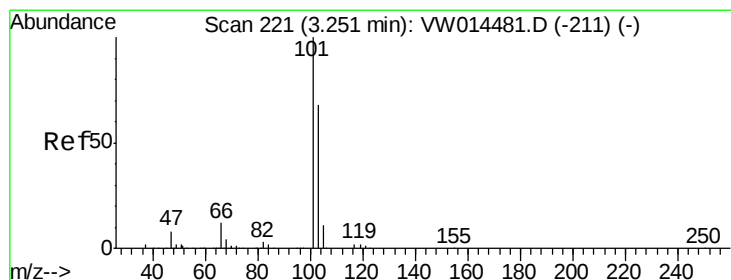
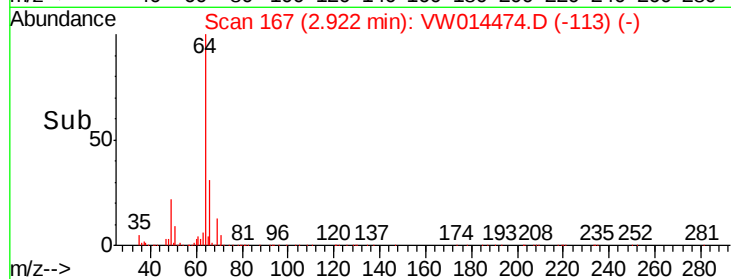
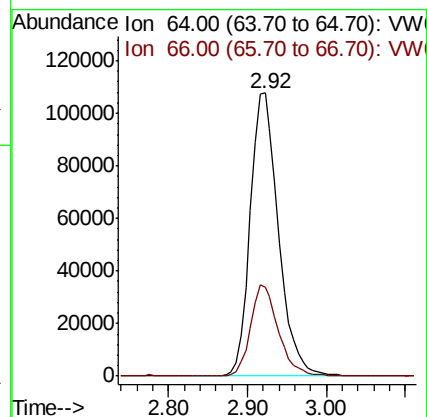
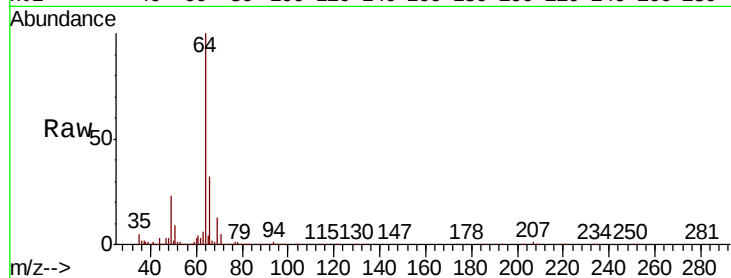
VSTDCCC025

Tot Ion: 64 Resp: 267378

Ion Ratio Lower Upper

64 100

66 31.5 22.5 41.7



#9

Trichlorofluoromethane

Concen: 34.411 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW014474.D

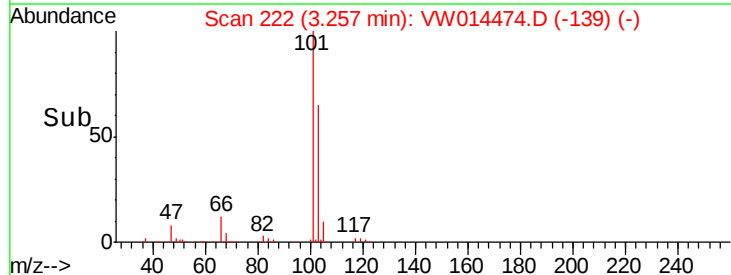
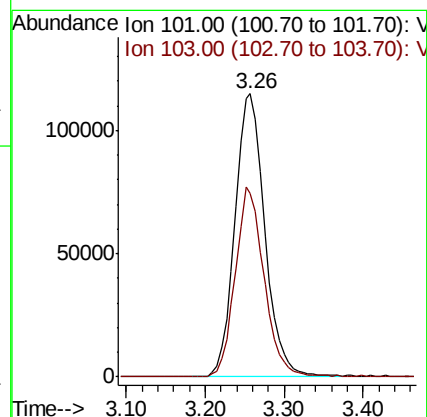
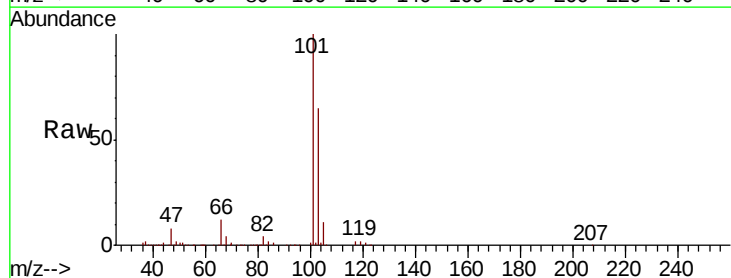
Acq: 27 Dec 2019 17:15

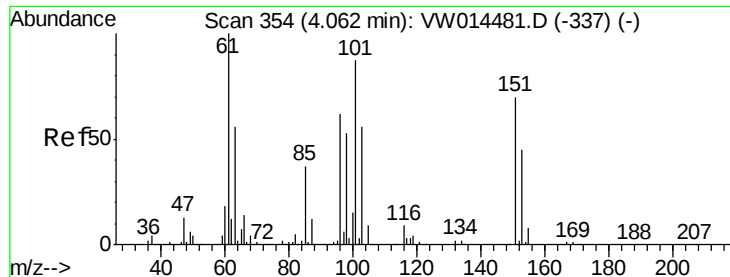
Tgt Ion: 101 Resp: 302659

Ion Ratio Lower Upper

101 100

103 64.7 45.5 84.5





#11

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

Concen: 28.114 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

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VSTDCCC025

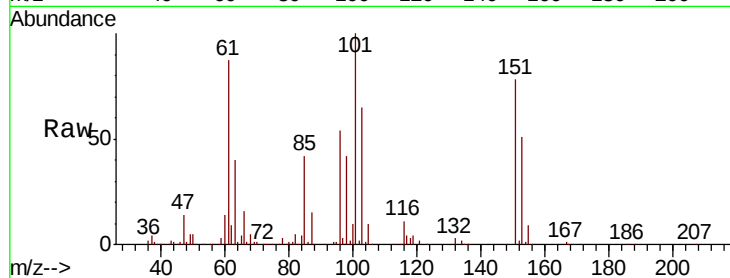
Tot Ion:101 Resp: 424491

Ion Ratio Lower Upper

101 100

85 42.1 33.3 49.9

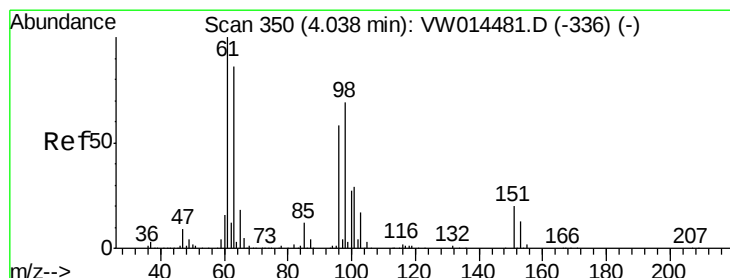
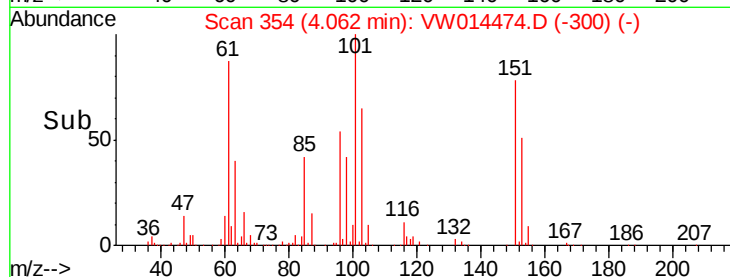
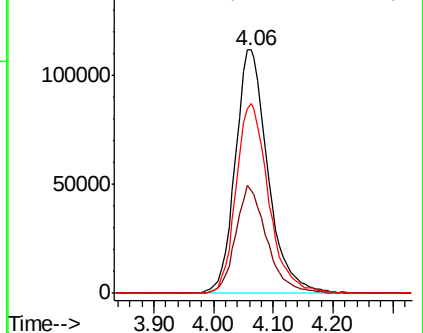
151 76.9 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.872 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

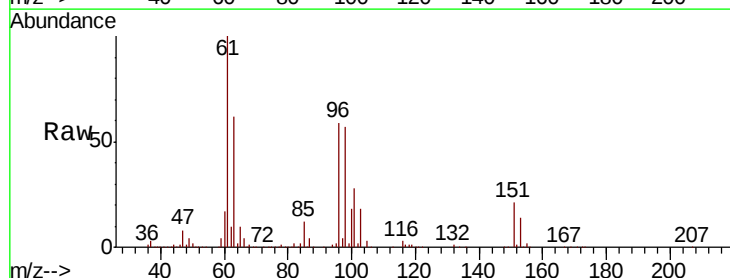
Tgt Ion: 96 Resp: 412108

Ion Ratio Lower Upper

96 100

61 168.1 114.2 212.0

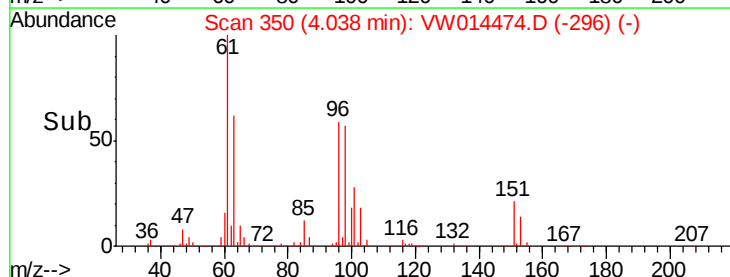
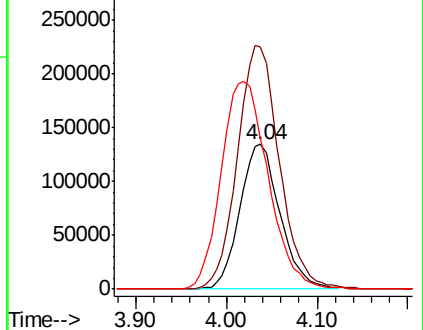
63 104.8 78.6 146.0

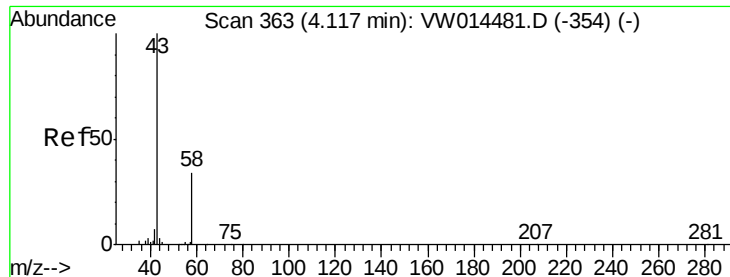


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.648 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

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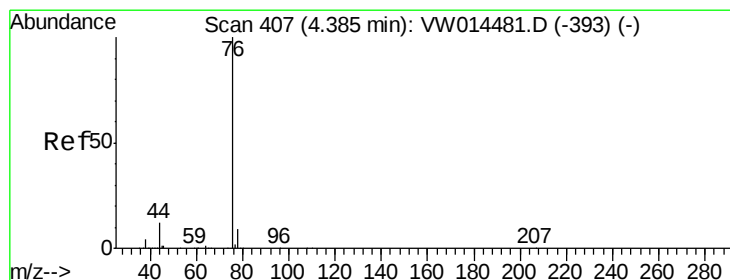
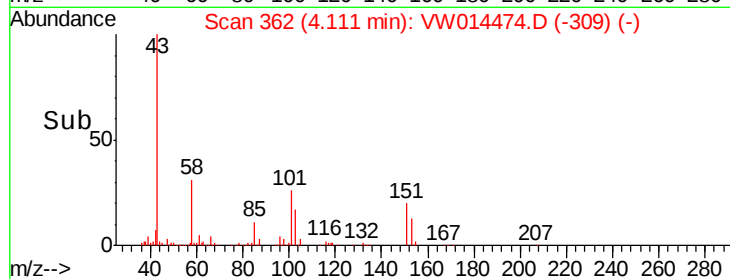
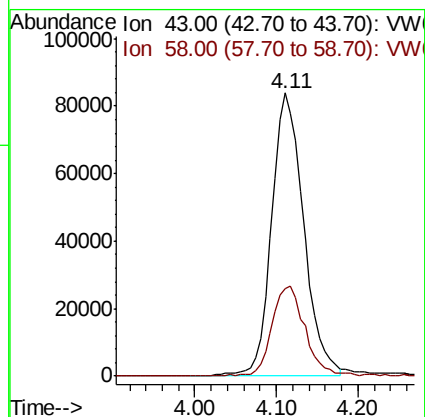
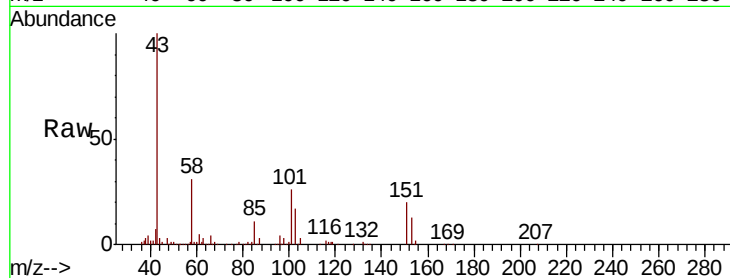
VSTDCCC025

Tot Ion: 43 Resp: 228881

Ion Ratio Lower Upper

43 100

58 30.5 0.0 64.0



#14

Carbon disulfide

Concen: 26.315 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014474.D

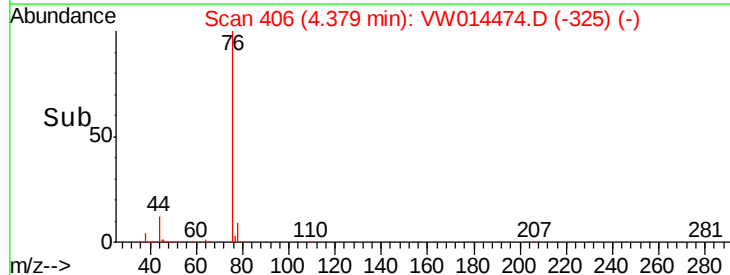
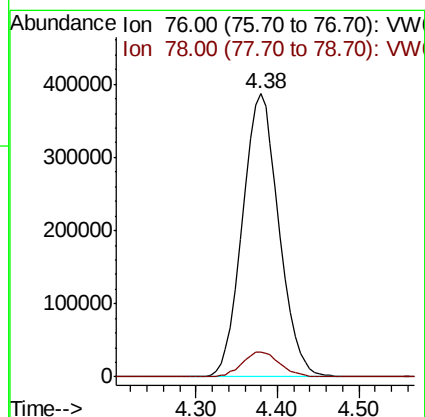
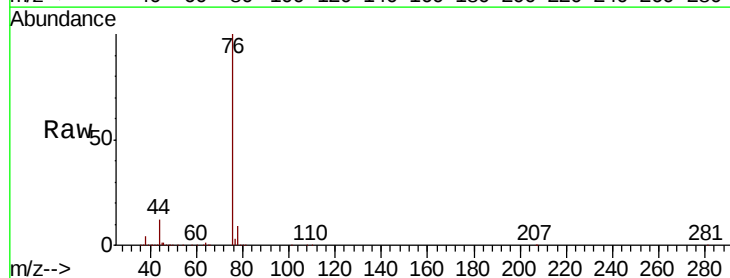
Acq: 27 Dec 2019 17:15

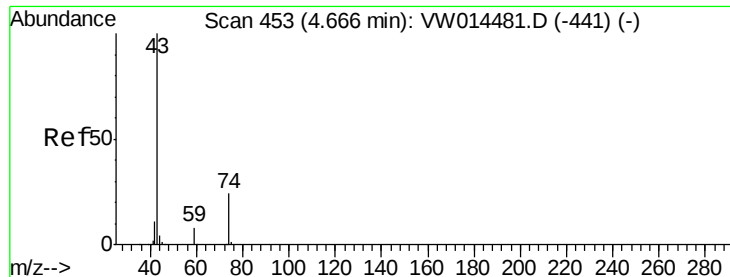
Tgt Ion: 76 Resp: 1201251

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3

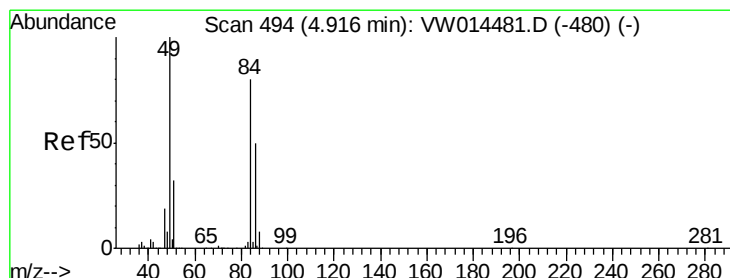
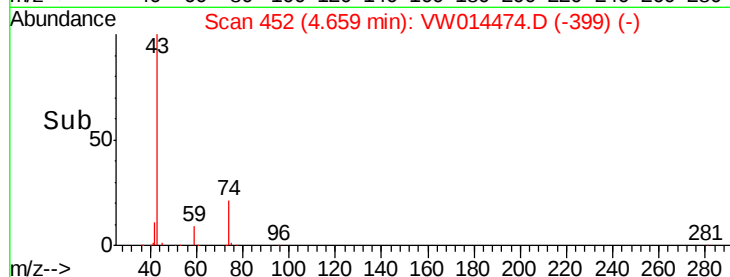
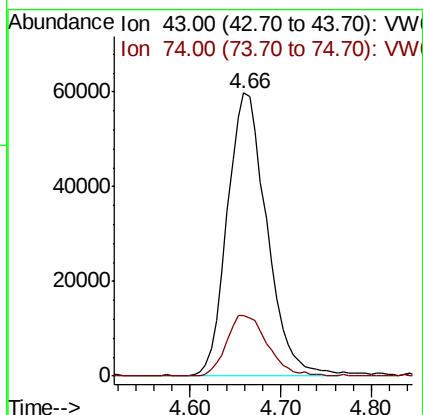
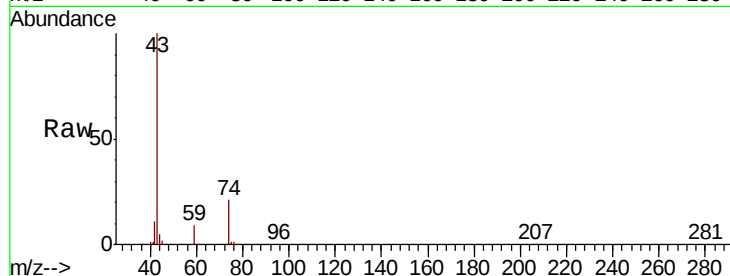




#15
Methyl Acetate
Concen: 24.830 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

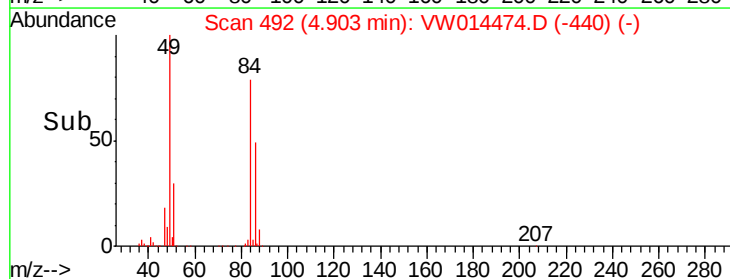
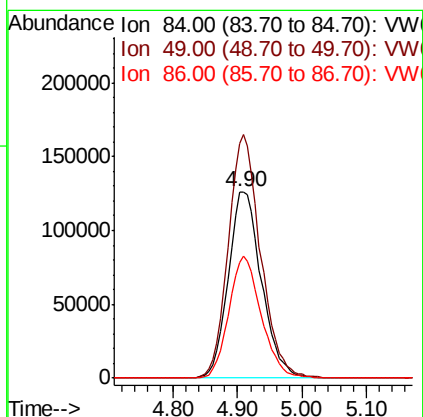
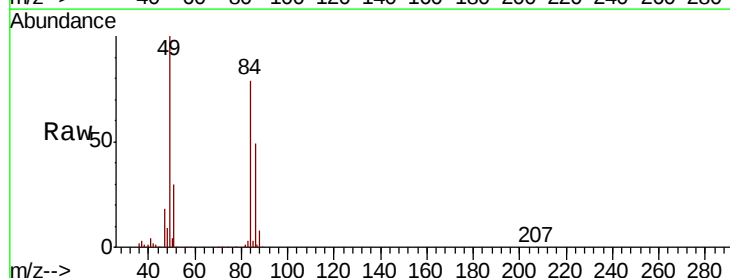
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC025

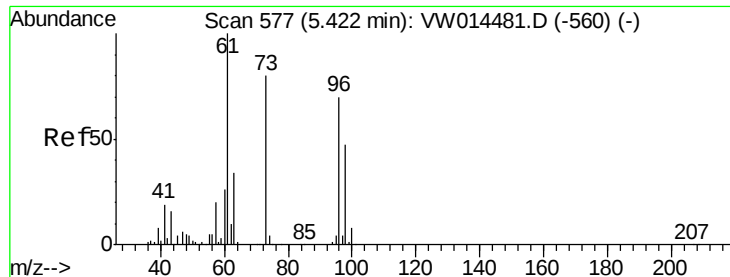
Tot Ion: 43 Resp: 179814
Ion Ratio Lower Upper
43 100
74 22.0 18.3 27.5



#16
Methylene chloride
Concen: 24.067 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

Tgt Ion: 84 Resp: 453483
Ion Ratio Lower Upper
84 100
49 126.0 85.8 159.4
86 62.2 44.5 82.7

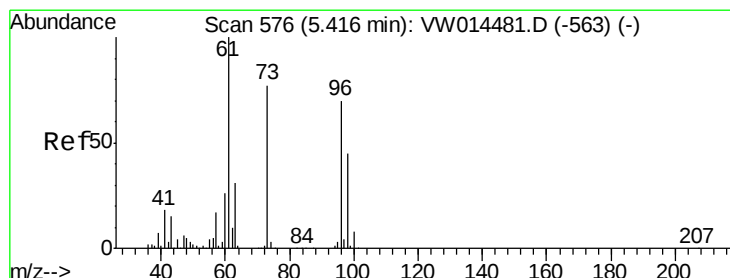
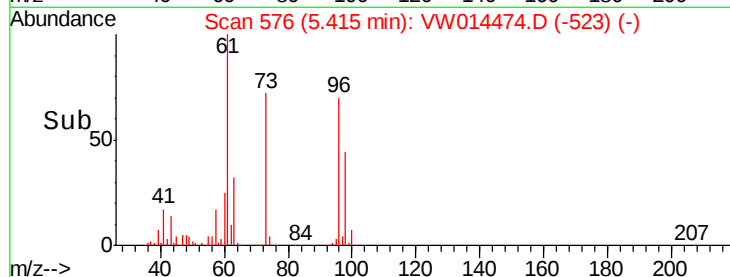
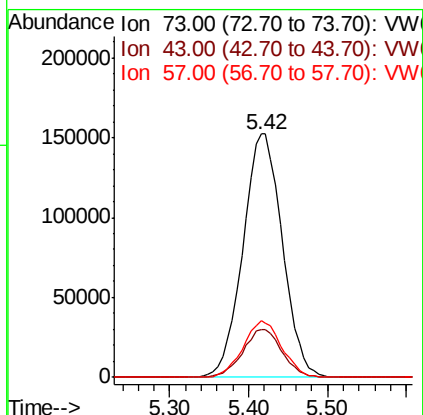
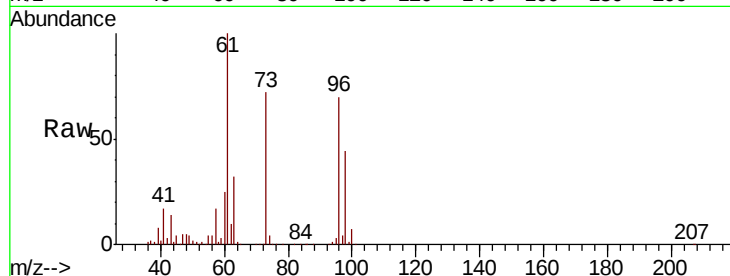




#17
Methvl tert-butvl Ether
Concen: 27.803 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

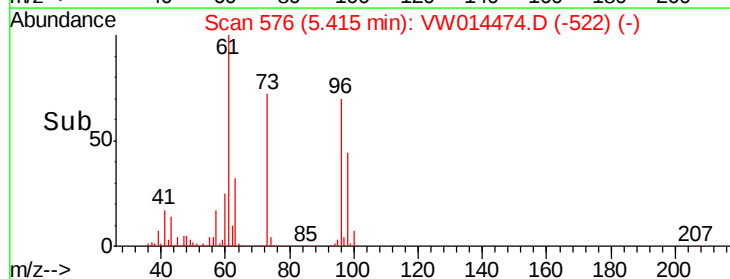
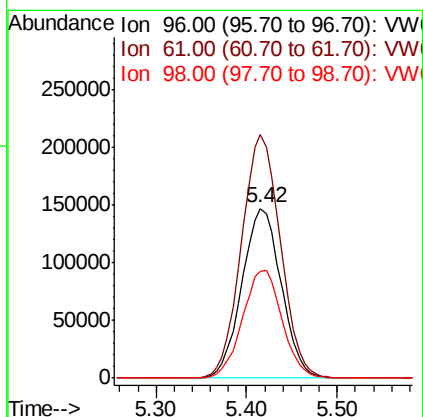
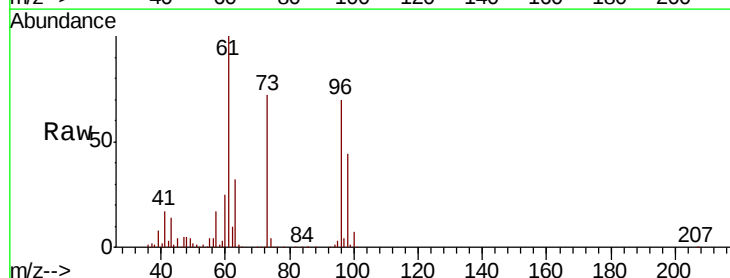
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC025

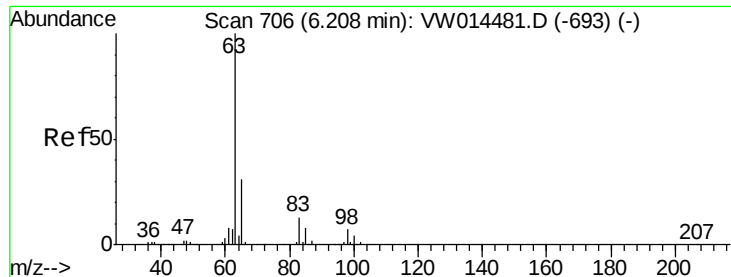
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.7	23.5
57	22.8	18.3	27.5



#18
trans-1,2-Dichloroethene
Concen: 28.300 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.7	98.2	182.4
98	63.1	44.1	81.9

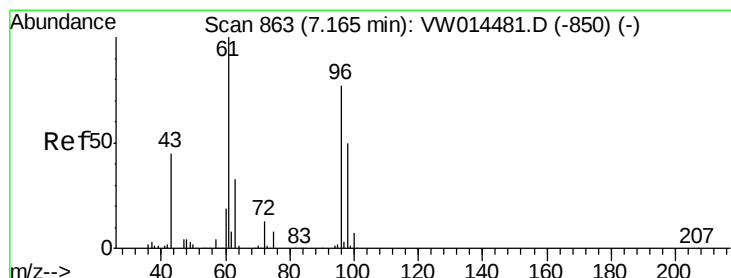
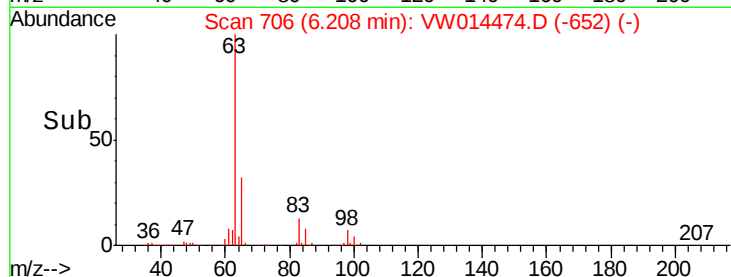
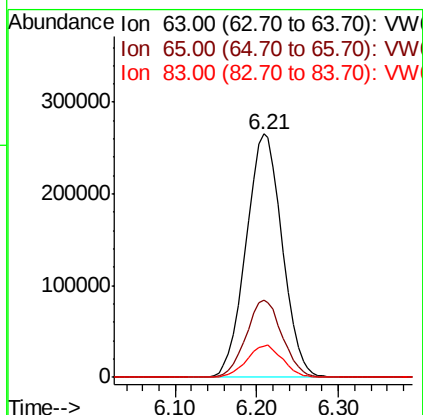
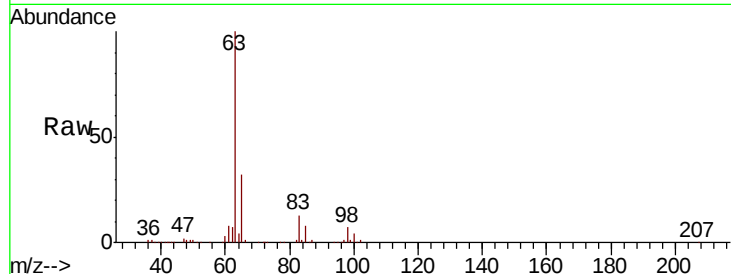




#19
 1,1-Dichloroethane
 Concen: 29.097 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

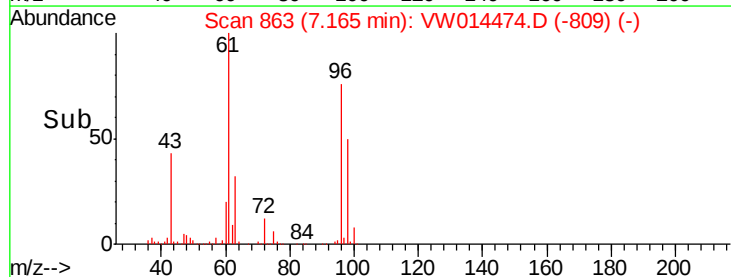
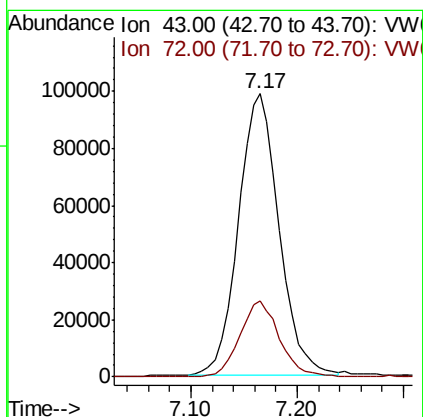
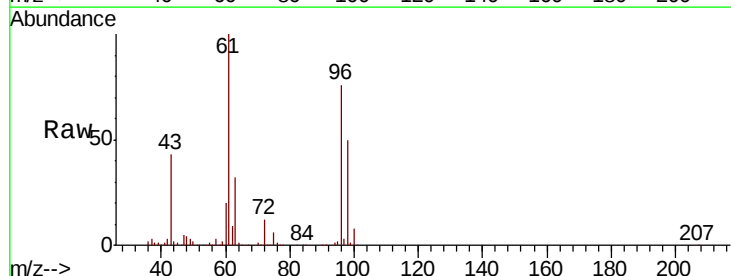
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC025

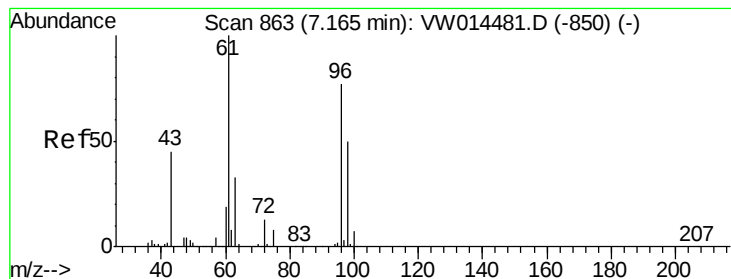
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	21.7	40.3
83	12.6	9.0	16.8



#21
 2-Butanone
 Concen: 45.625 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.4	13.3	39.8



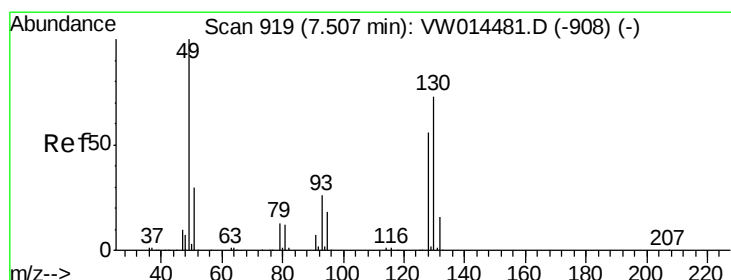
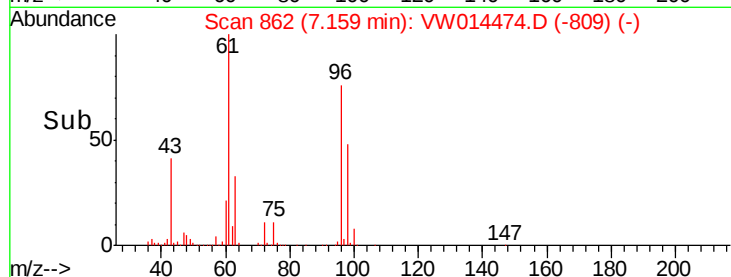
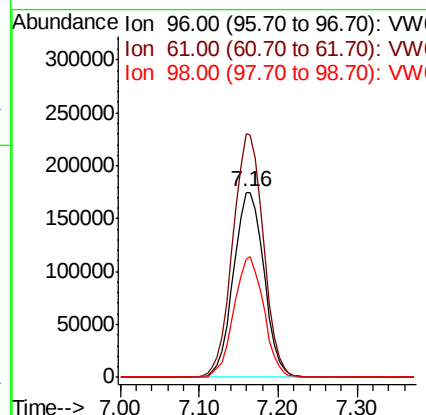
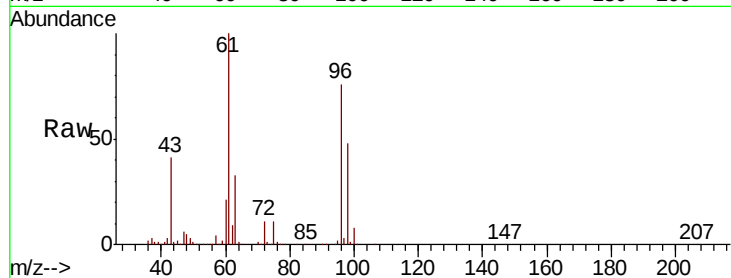


#22

cis-1,2-Dichloroethene
 Concen: 28.793 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC025

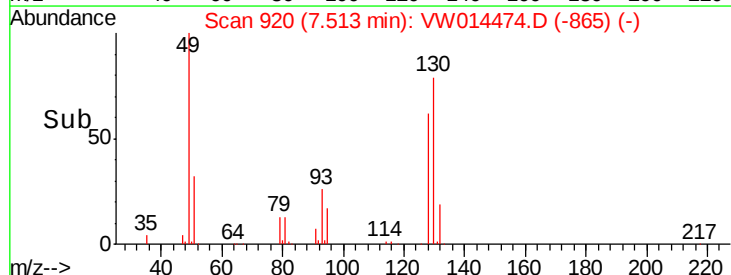
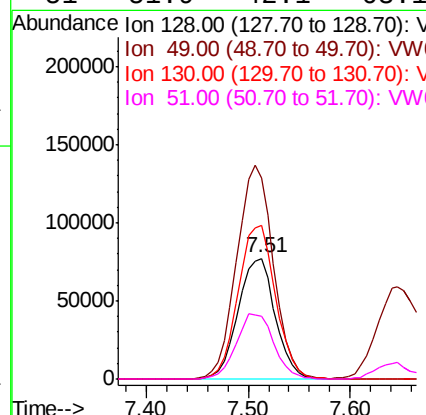
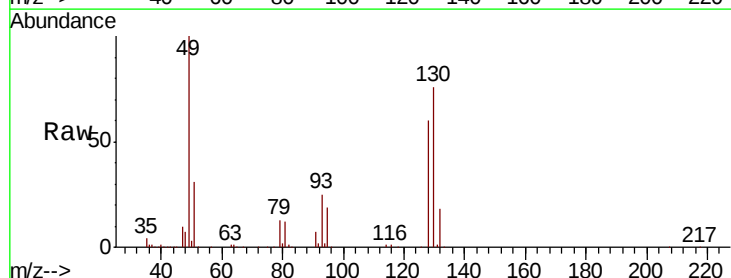
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.7	91.5	169.9
98	63.8	46.9	87.1

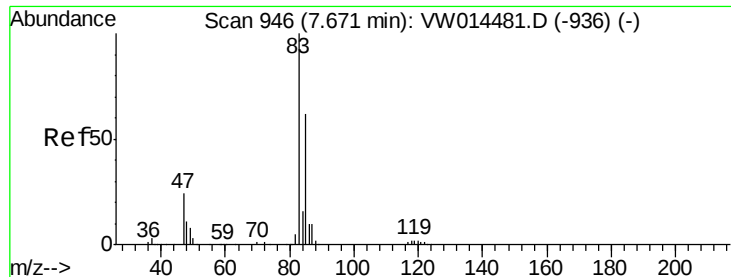


#23

Bromochloromethane
 Concen: 27.449 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

Tgt Ion	Ratio	Lower	Upper
128	100		
49	166.6	118.3	219.7
130	127.4	89.5	166.1
51	51.9	42.1	63.1

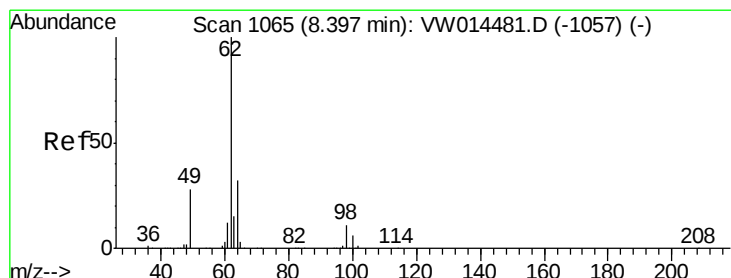
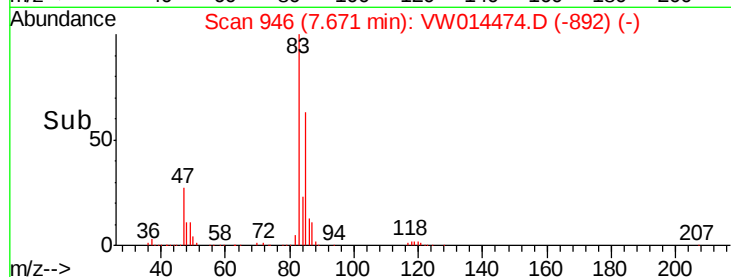
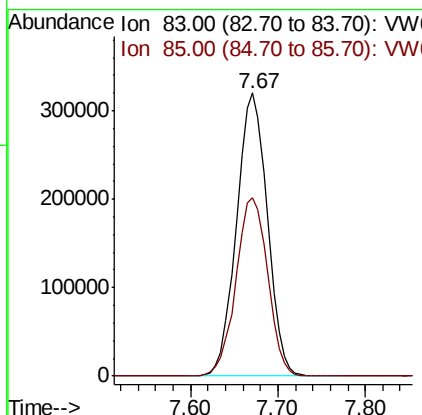
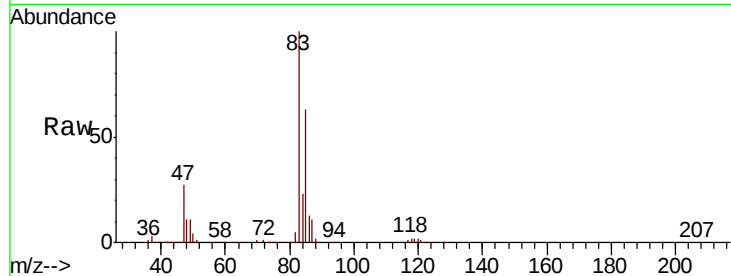




#25
Chloroform
Concen: 29.091 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

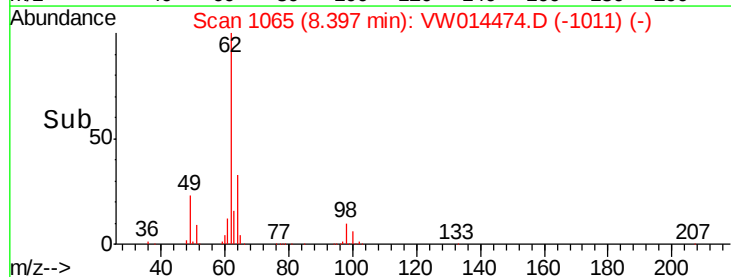
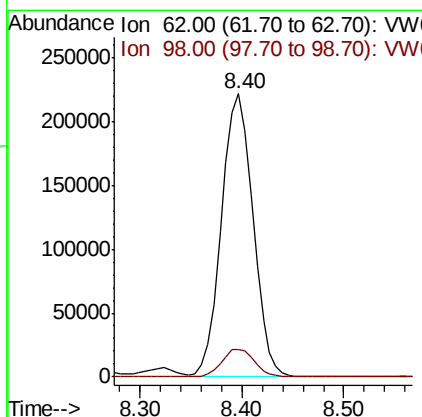
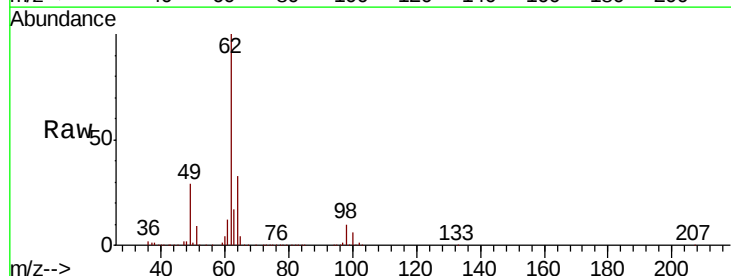
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC025

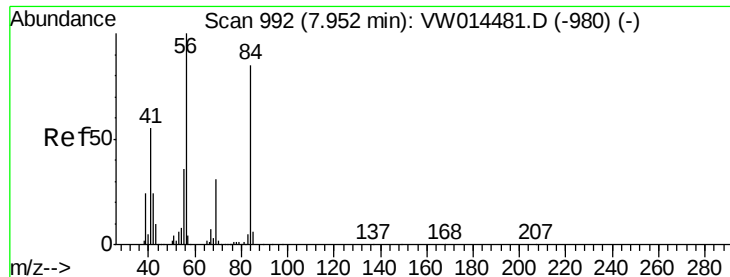
Tot Ion: 83 Resp: 783415
Ion Ratio Lower Upper
83 100
85 65.2 45.8 85.2



#27
1,2-Dichloroethane
Concen: 27.297 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

Tgt Ion: 62 Resp: 477195
Ion Ratio Lower Upper
62 100
98 9.6 8.3 12.5

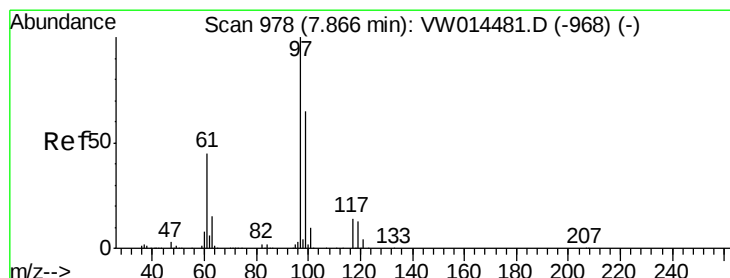
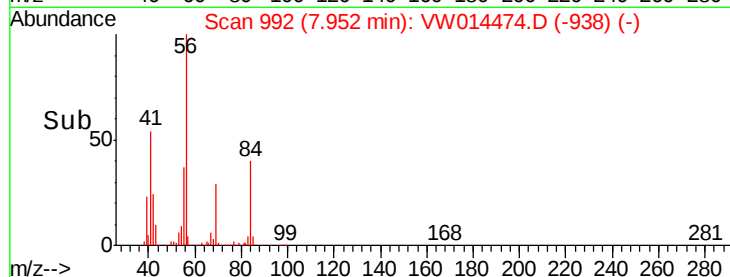
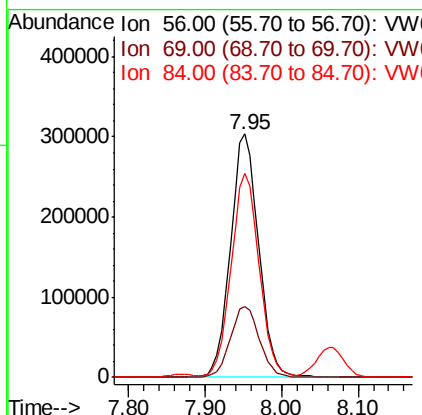
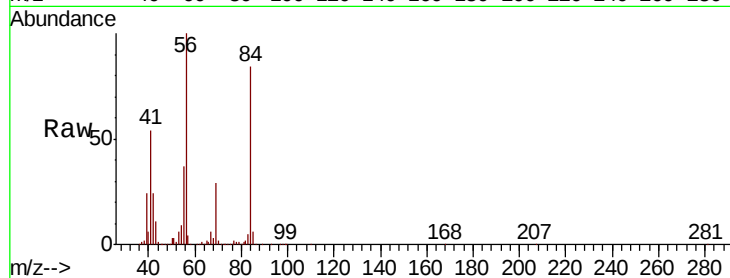




#30
Cyclohexane
Concen: 30.154 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

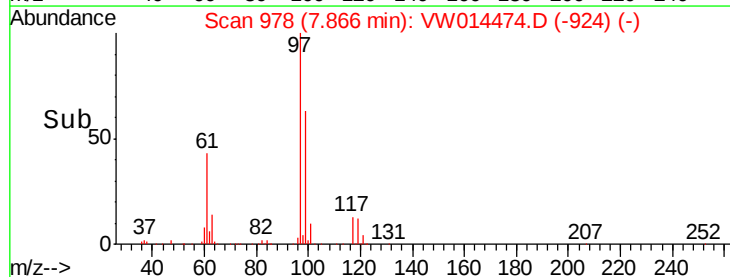
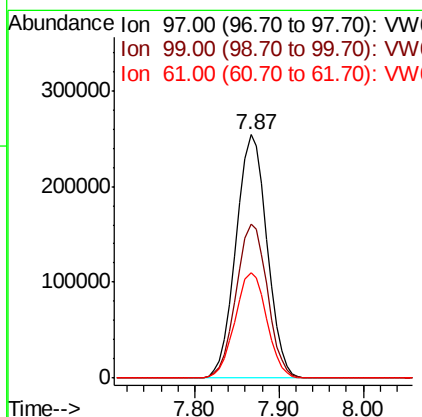
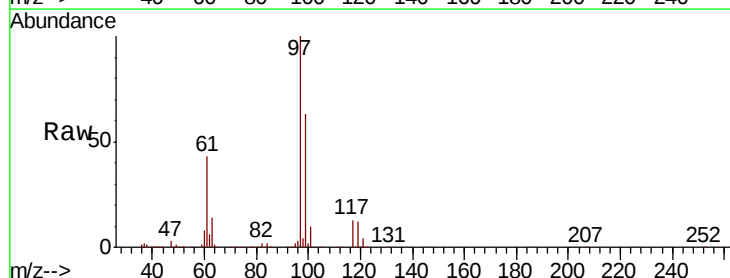
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC025

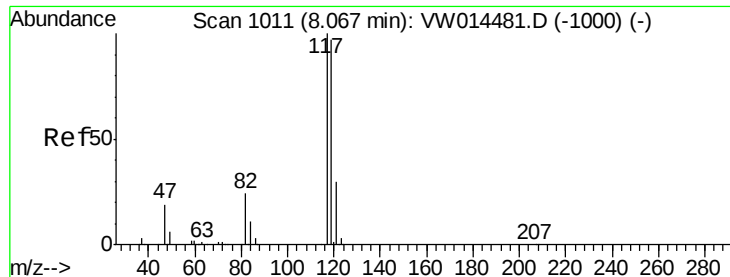
Tot Ion: 56 Resp: 774064
Ion Ratio Lower Upper
56 100
69 29.9 23.8 35.8
84 83.3 68.2 102.2



#31
1,1,1-Trichloroethane
Concen: 30.721 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

Tgt Ion: 97 Resp: 632397
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 44.3 35.3 52.9





#32

Carbon tetrachloride

Concen: 30.271 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

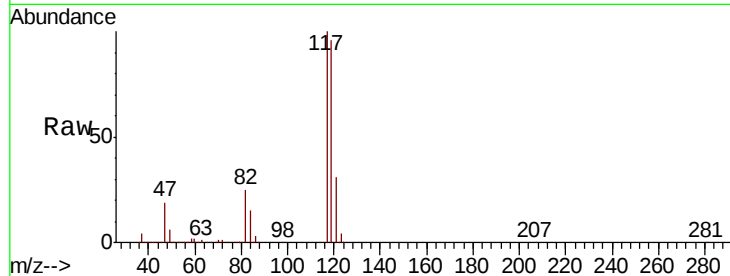
VSTDCCC025

Tot Ion:117 Resp: 580579

Ion Ratio Lower Upper

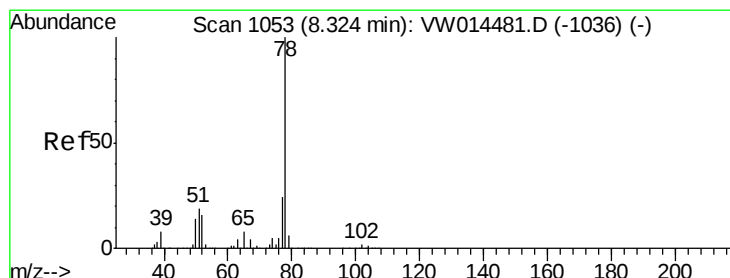
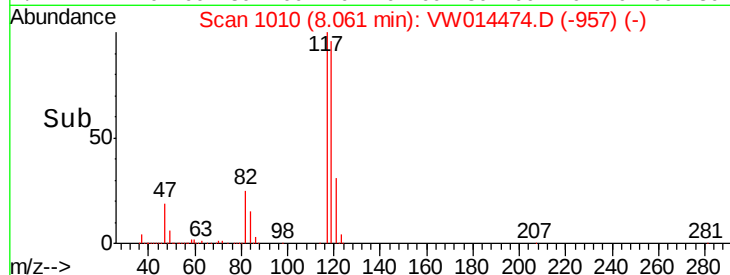
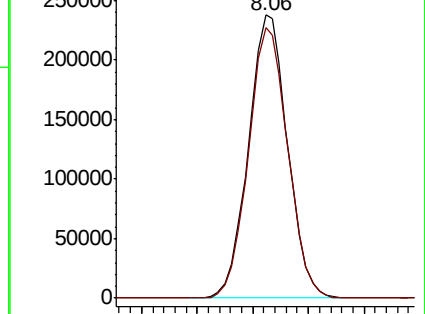
117 100

119 96.1 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 30.063 ug/L

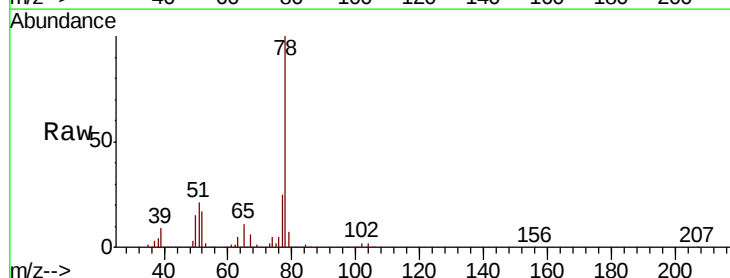
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

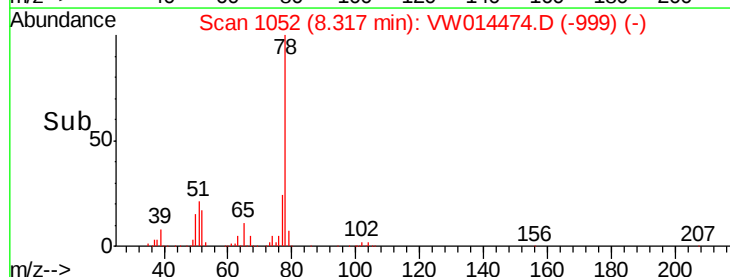
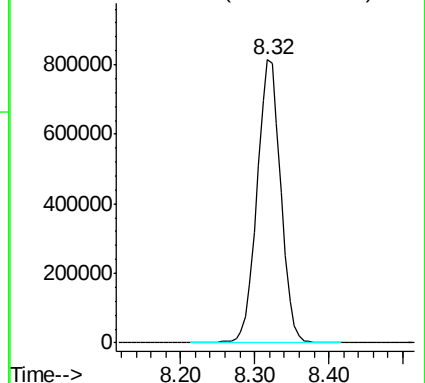
Lab File: VW014474.D

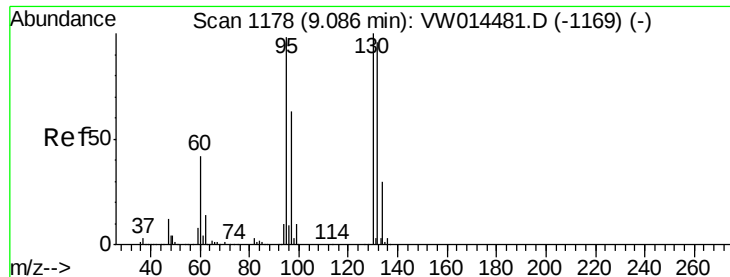
Acq: 27 Dec 2019 17:15

Tgt Ion: 78 Resp: 1815538



Abundance Ion 78.00 (77.70 to 78.70): VW

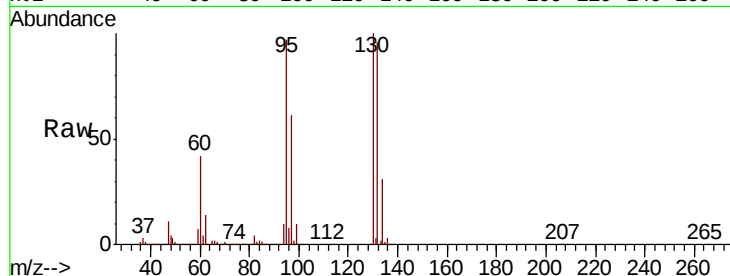




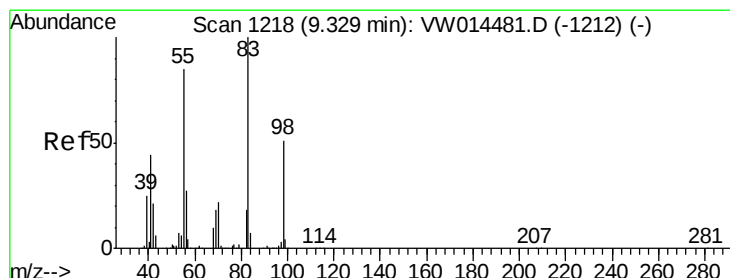
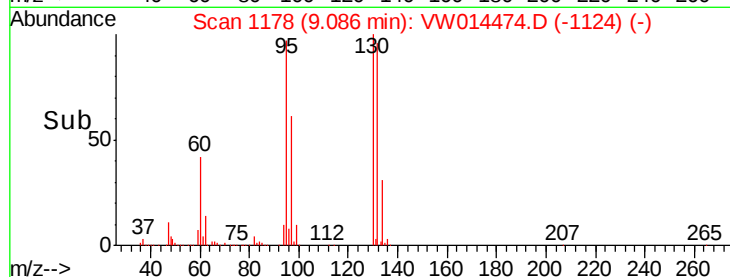
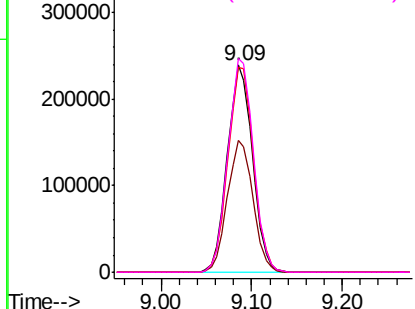
#35
 Trichloroethene
 Concen: 29.555 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC025

Tot Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.3	82.3
132	100.3	69.2	128.6
130	104.3	72.3	134.3

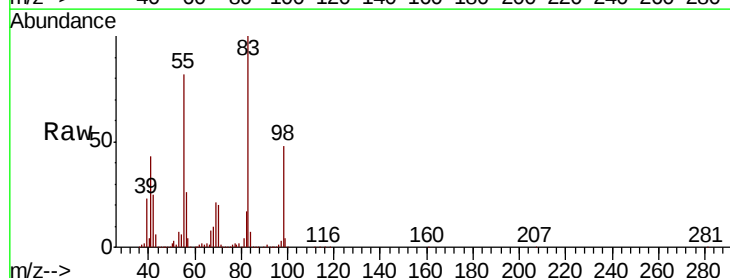


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

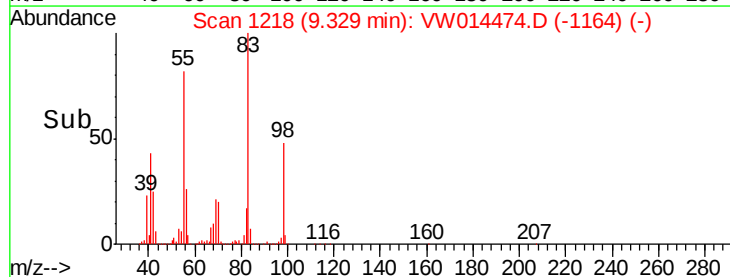
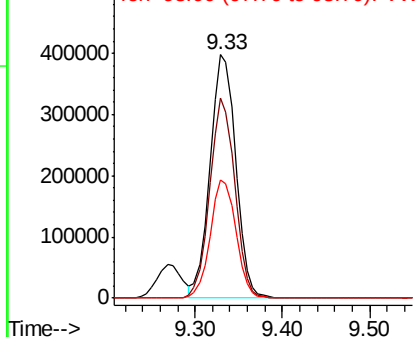


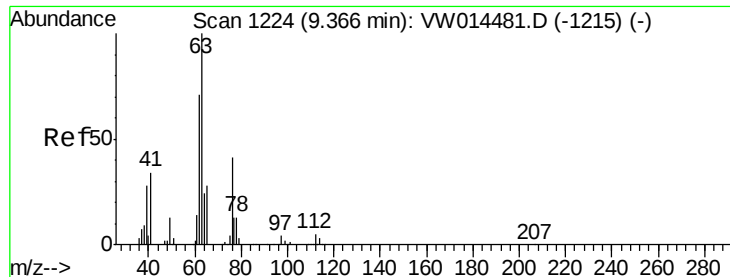
#36
 Methylcyclohexane
 Concen: 29.782 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.2	63.7	95.5
98	48.3	39.4	59.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 29.227 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

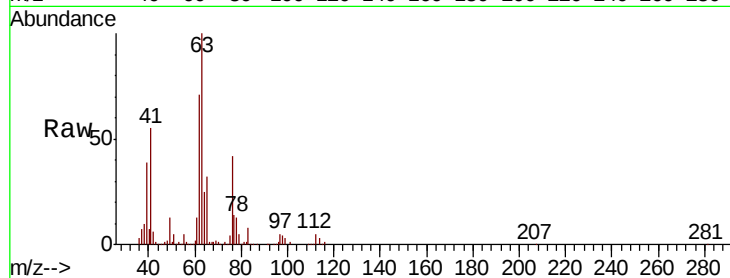
VSTDCCC025

Tot Ion: 63 Resp: 446742

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

9.37

250000

200000

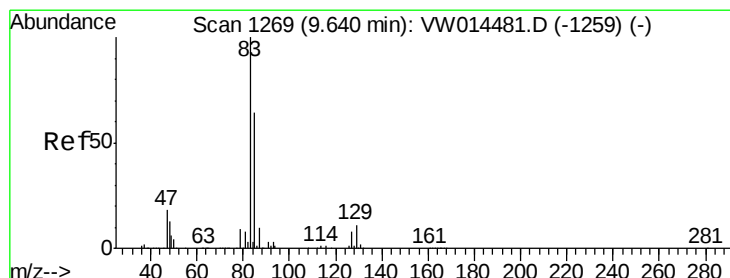
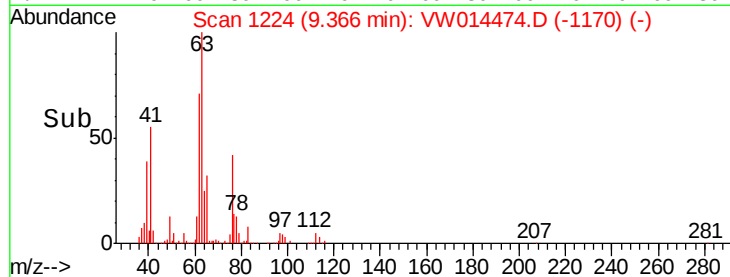
150000

100000

50000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#41

Bromodichloromethane

Concen: 29.761 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

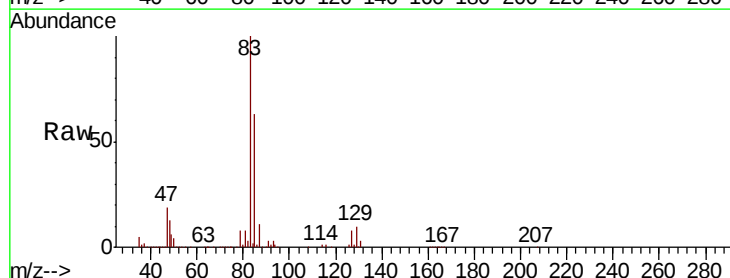
Tgt Ion: 83 Resp: 547183

Ion Ratio Lower Upper

83 100

85 62.5 44.7 83.1

127 8.2 6.3 9.5



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

400000

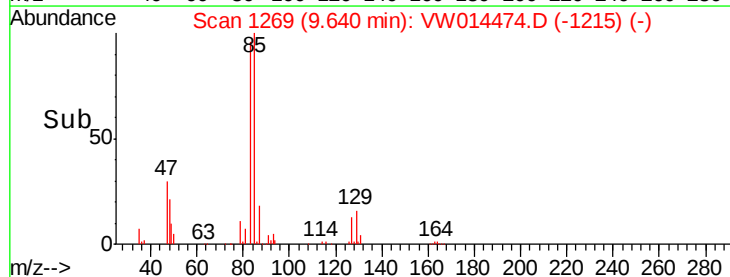
300000

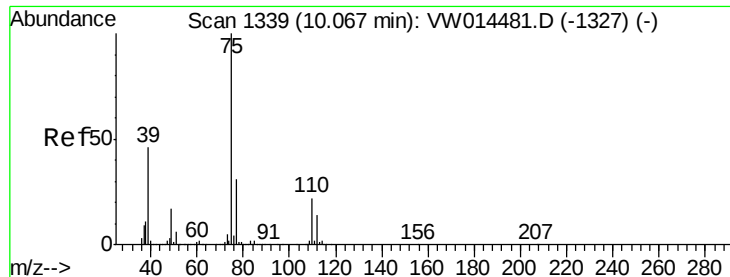
200000

100000

0

Time--> 9.55 9.60 9.65 9.70





#42

cis-1,3-Dichloropropene

Concen: 29.804 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

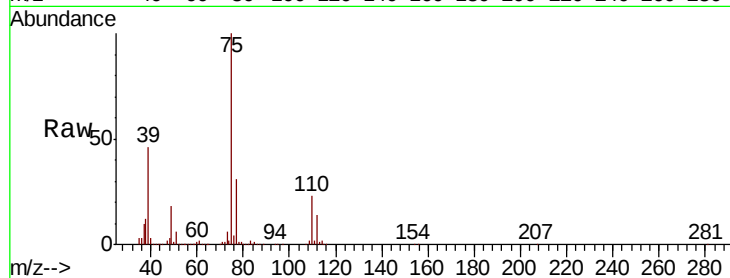
VSTDCCC025

Tot Ion: 75 Resp: 680513

Ion Ratio Lower Upper

75 100

77 31.3 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

400000

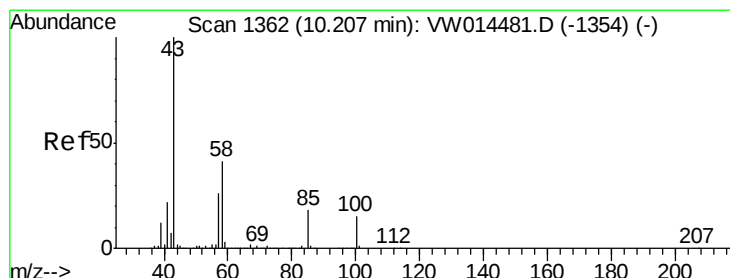
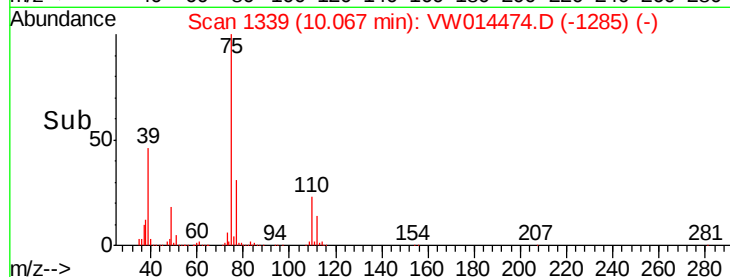
300000

200000

100000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 50.996 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

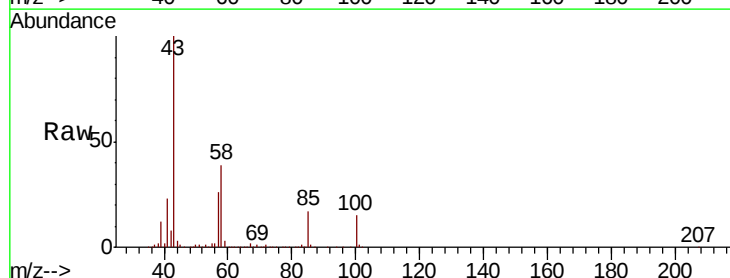
Tgt Ion: 43 Resp: 500393

Ion Ratio Lower Upper

43 100

58 40.1 32.6 48.8

100 15.3 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

600000

500000

400000

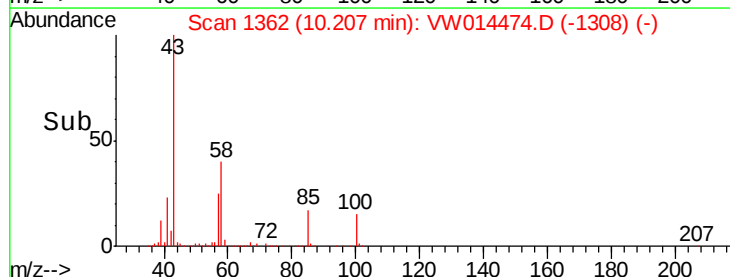
300000

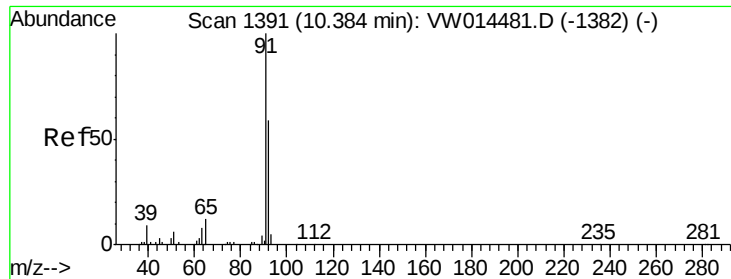
200000

100000

0

Time-->





#44

Toluene

Concen: 30.277 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

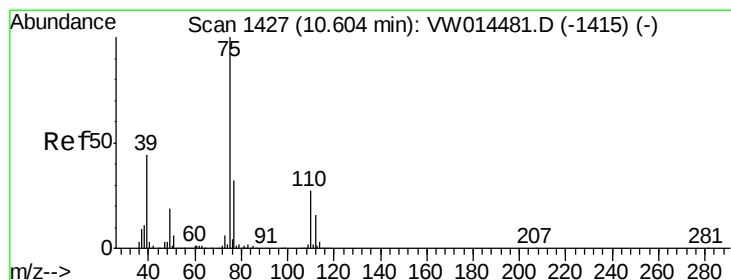
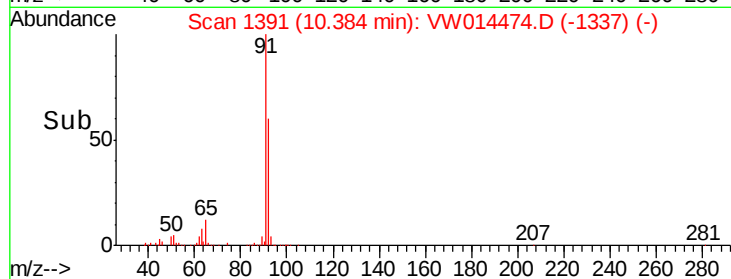
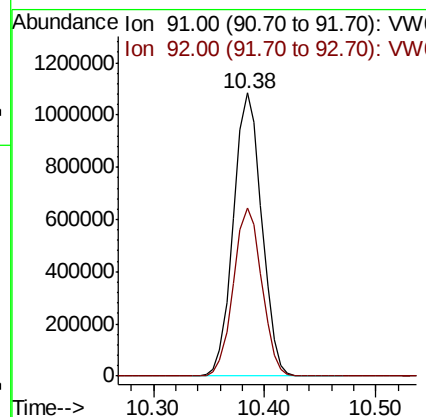
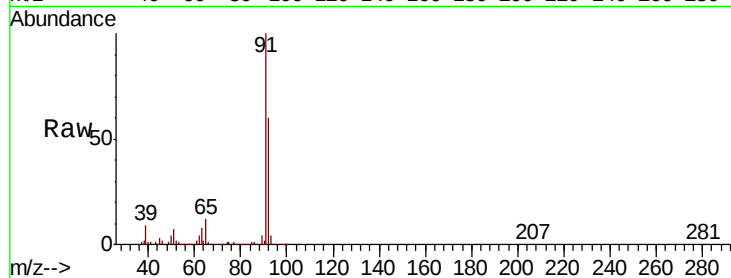
VSTDCCC025

Tot Ion: 91 Resp: 1910763

Ion Ratio Lower Upper

91 100

92 59.5 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 28.818 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014474.D

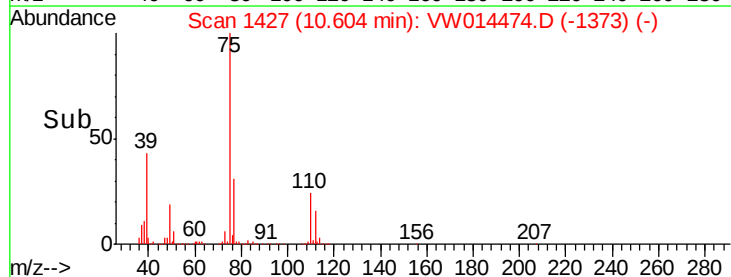
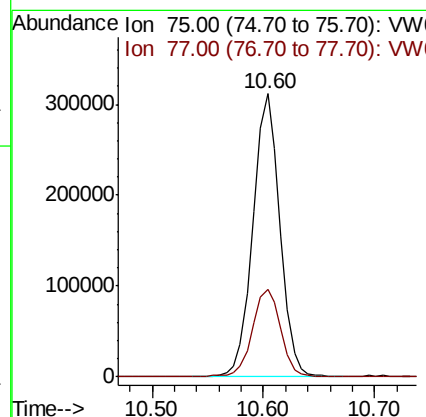
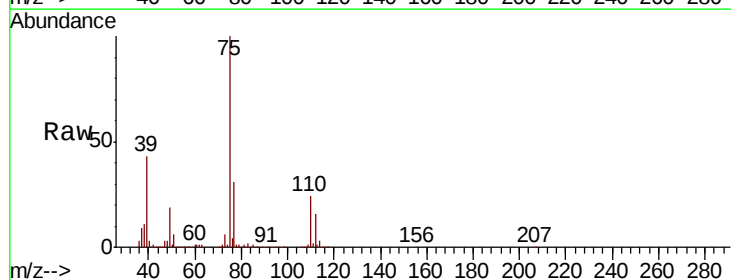
Acq: 27 Dec 2019 17:15

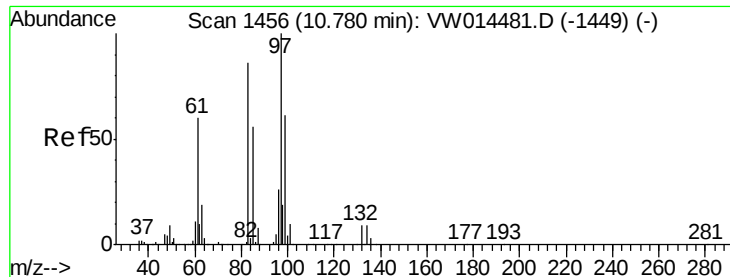
Tgt Ion: 75 Resp: 526142

Ion Ratio Lower Upper

75 100

77 30.8 21.1 39.3

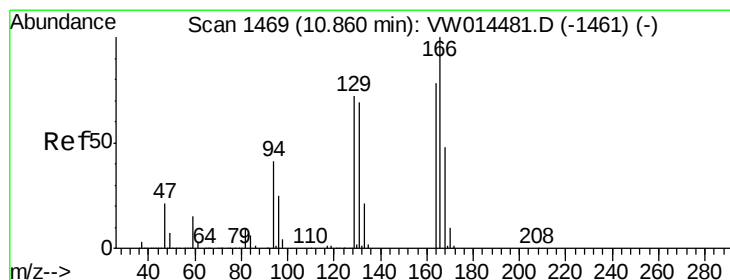
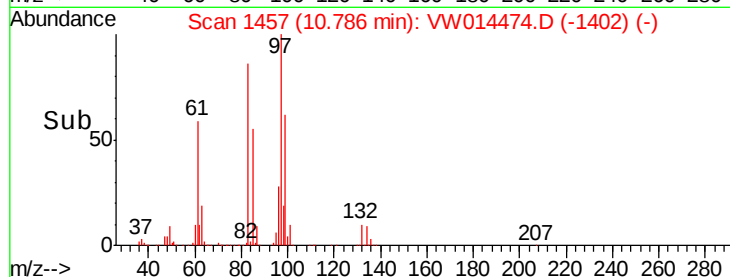
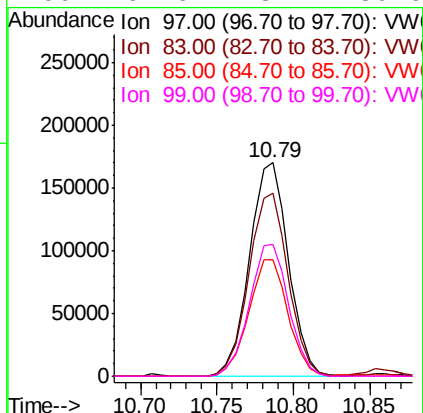
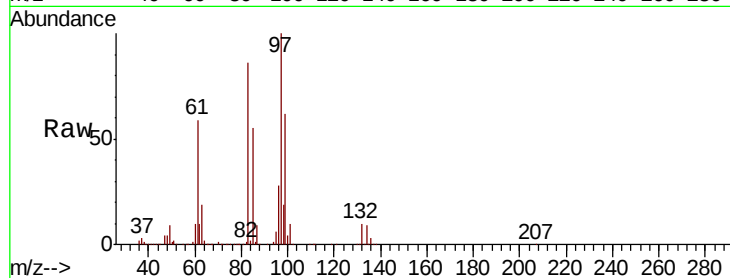




#46
1,1,2-Trichloroethane
Concen: 27.878 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.01 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

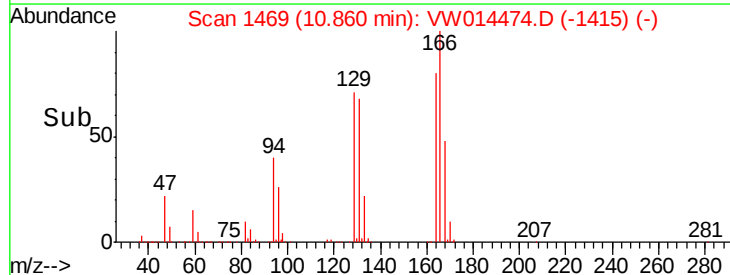
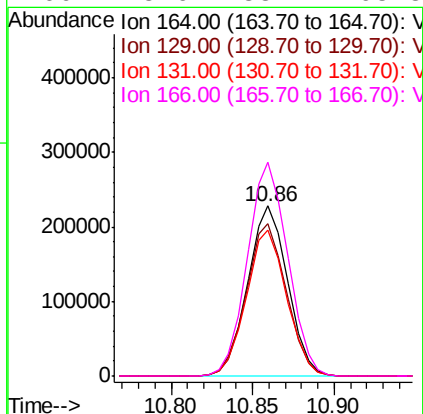
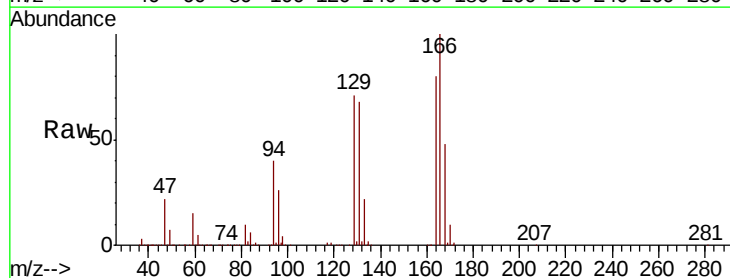
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC025

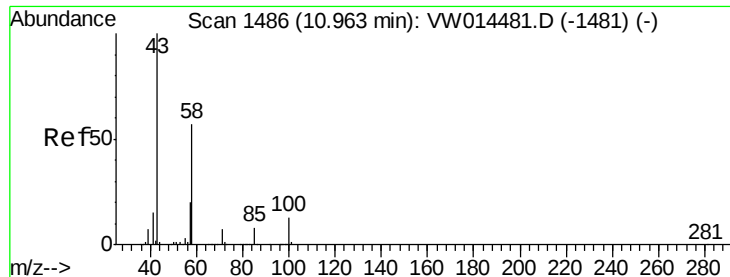
Tot Ion:	97	Resp:	301828
Ion	Ratio	Lower	Upper
97	100		
83	85.6	60.1	111.5
85	54.7	38.1	70.9
99	61.6	43.4	80.6



#47
Tetrachloroethene
Concen: 29.540 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

Tgt Ion:	164	Resp:	386600
Ion	Ratio	Lower	Upper
164	100		
129	89.8	64.0	118.8
131	85.6	60.2	111.8
166	125.6	88.2	163.8

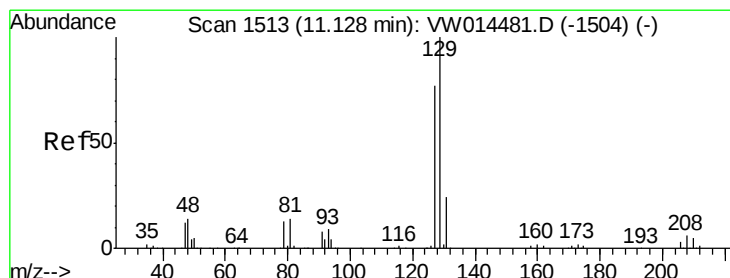
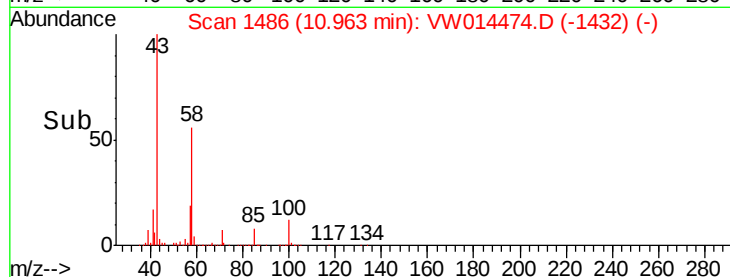
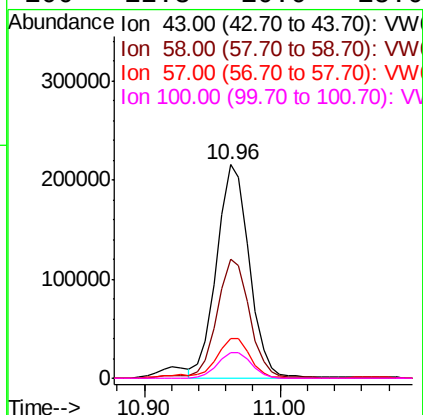
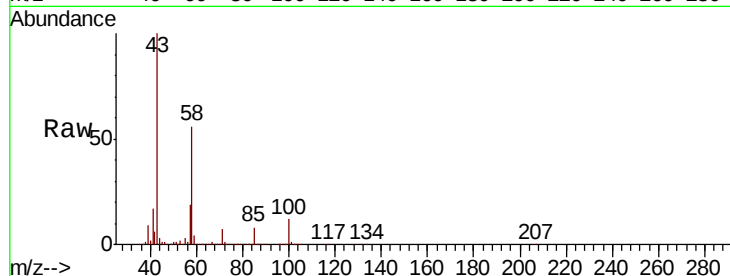




#49
2-Hexanone
Concen: 53.646 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

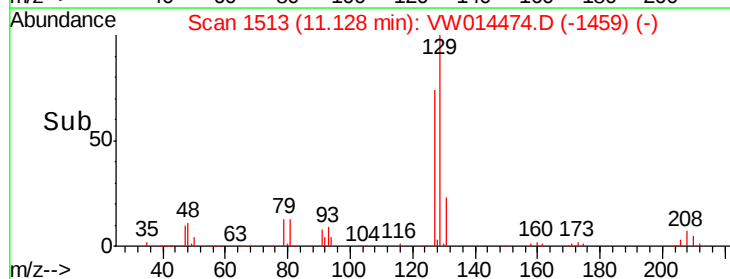
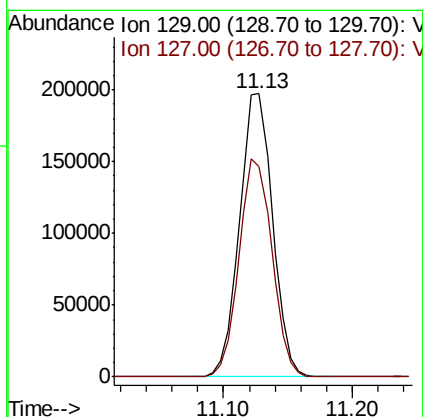
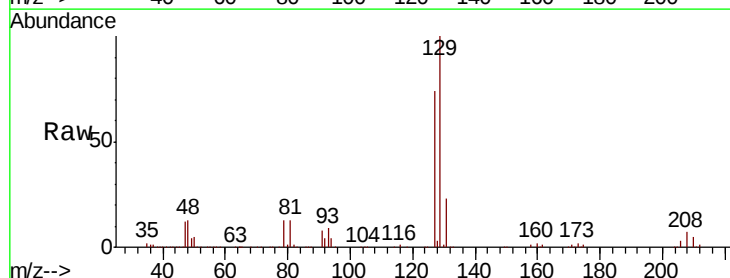
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC025

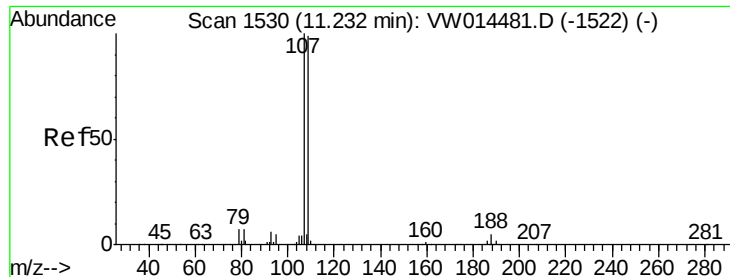
Tot Ion: 43 Resp: 359454
Ion Ratio Lower Upper
43 100
58 55.7 44.9 67.3
57 18.2 15.3 22.9
100 12.3 10.0 15.0



#50
Dibromochloromethane
Concen: 28.542 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

Tgt Ion: 129 Resp: 350885
Ion Ratio Lower Upper
129 100
127 74.3 51.1 94.9

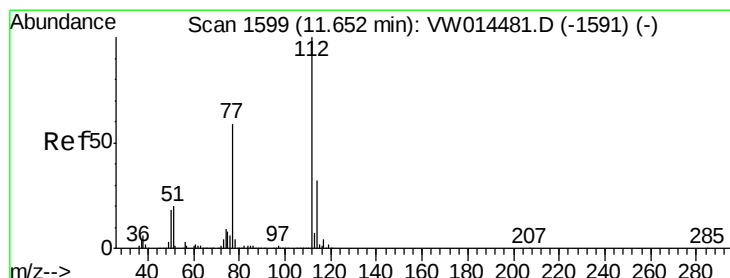
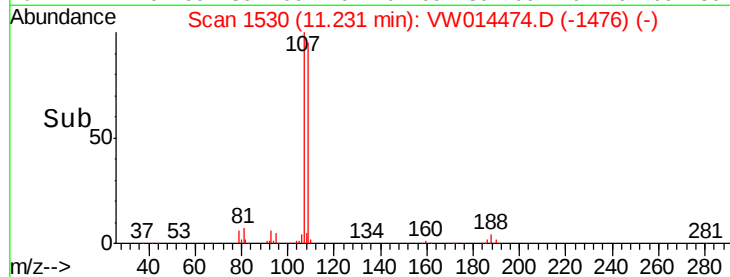
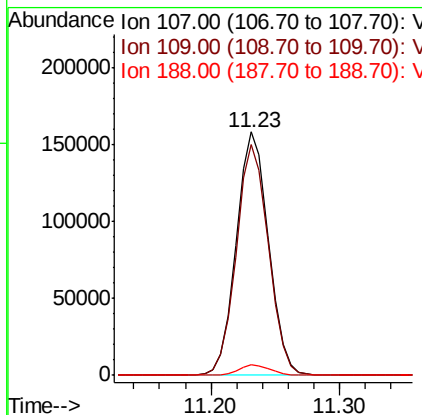
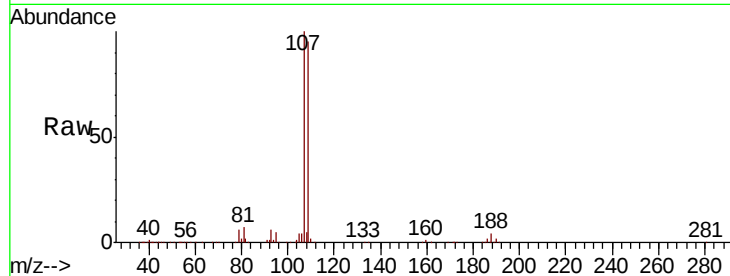




#51
1,2-Dibromoethane
Concen: 26.806 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

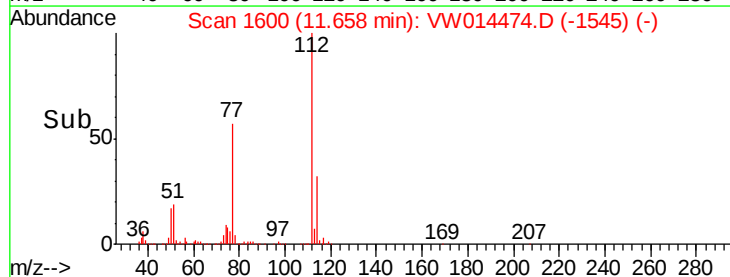
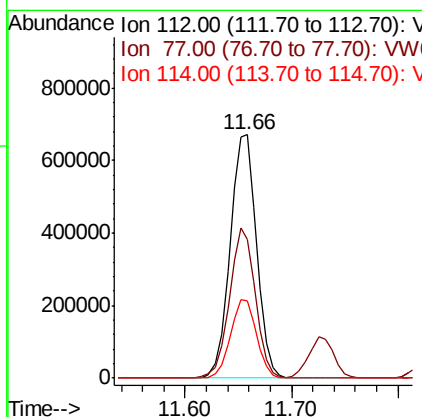
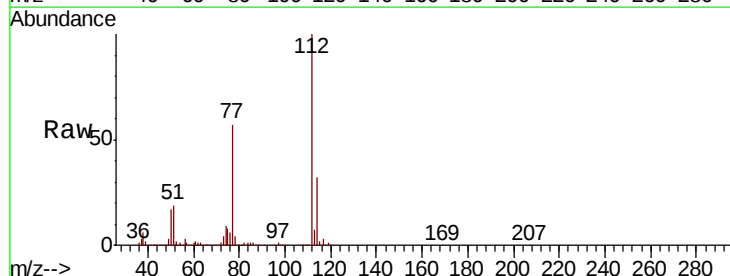
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC025

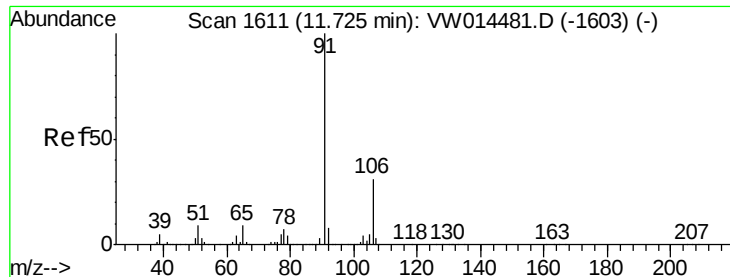
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	64.7	120.1
188	4.3	3.0	4.6



#52
Chlorobenzene
Concen: 29.199 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.0	48.2	72.2
114	32.0	22.9	42.5

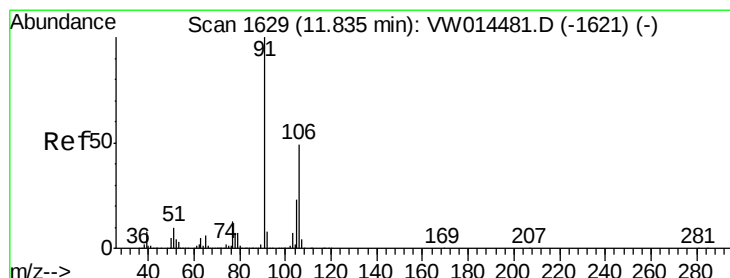
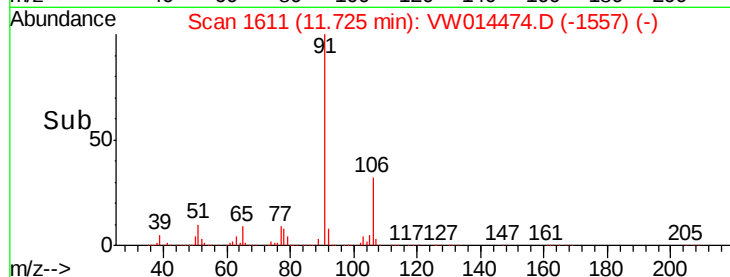
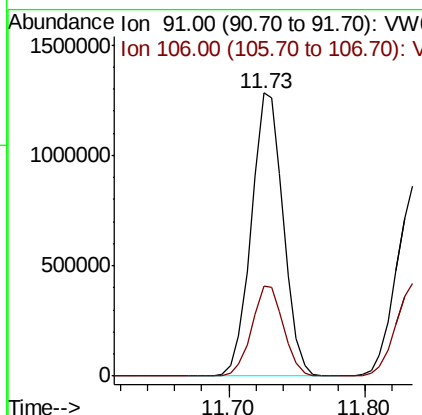
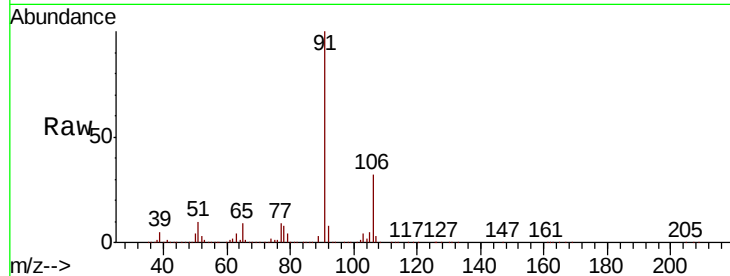




#53
Ethylbenzene
Concen: 30.409 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

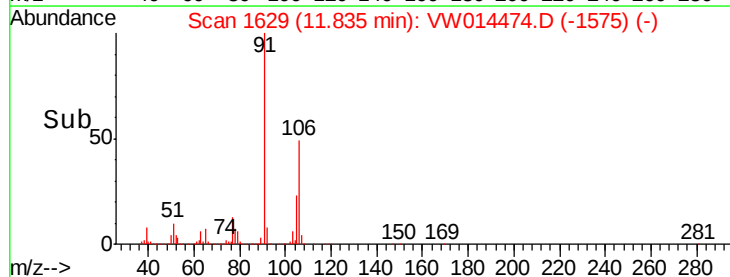
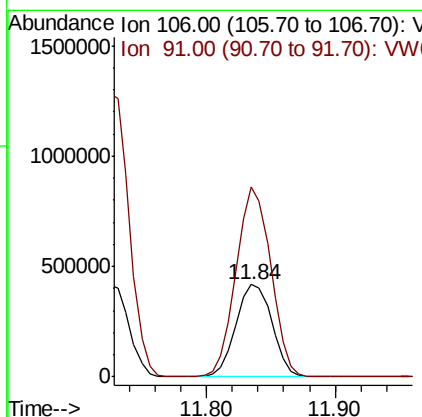
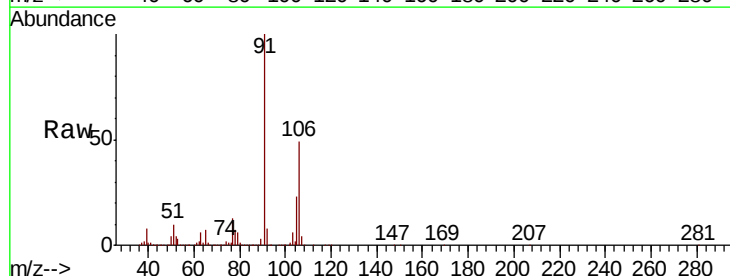
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC025

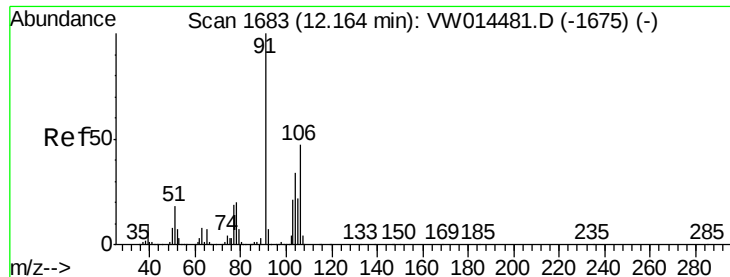
Tot Ion: 91 Resp: 2110072
Ion Ratio Lower Upper
91 100
106 31.8 21.8 40.6



#54
m,p-Xylene
Concen: 30.769 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014474.D
Acq: 27 Dec 2019 17:15

Tgt Ion: 106 Resp: 807946
Ion Ratio Lower Upper
106 100
91 205.5 142.2 264.0





#55

o-xylene

Concen: 30.225 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

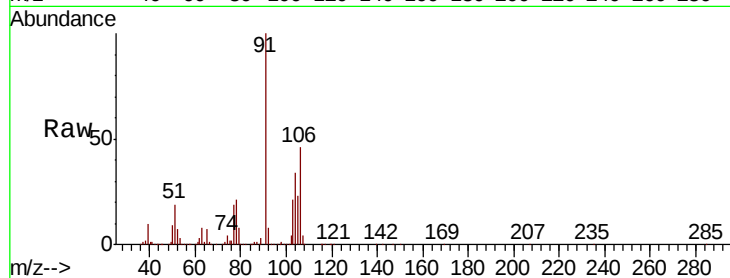
VSTDCCC025

Tot Ion:106 Resp: 749663

Ion Ratio Lower Upper

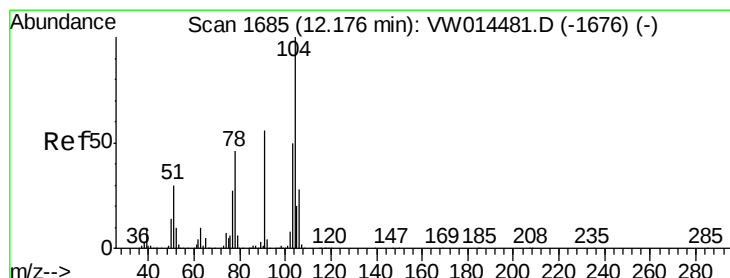
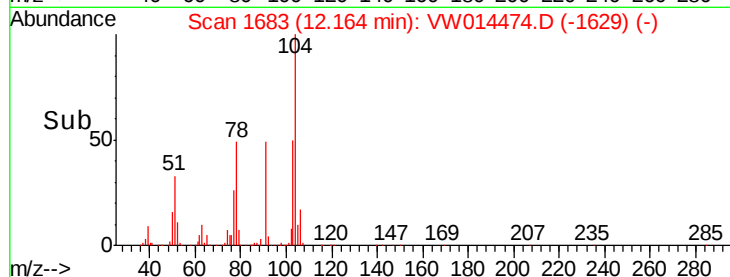
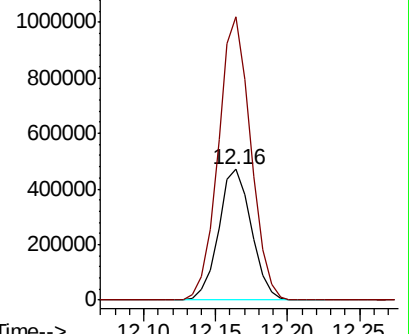
106 100

91 216.1 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 30.732 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014474.D

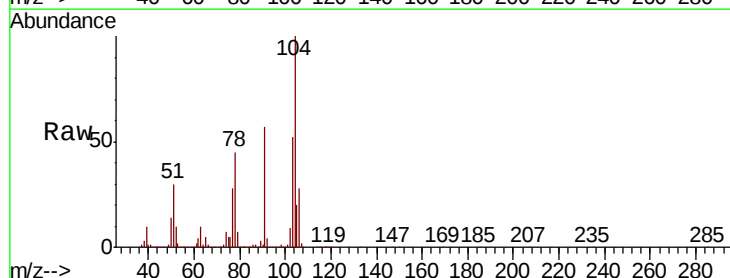
Acq: 27 Dec 2019 17:15

Tgt Ion:104 Resp: 1282916

Ion Ratio Lower Upper

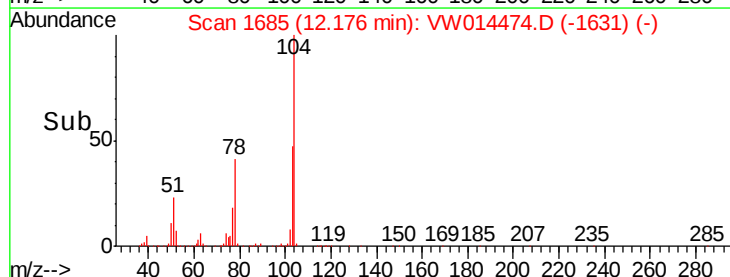
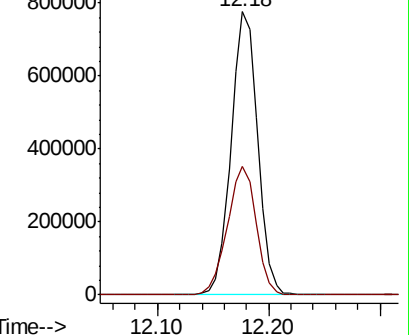
104 100

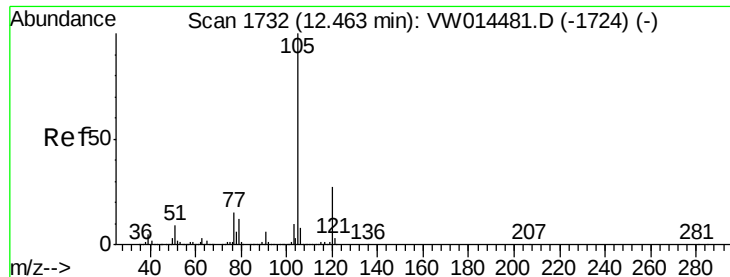
78 45.4 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 31.167 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

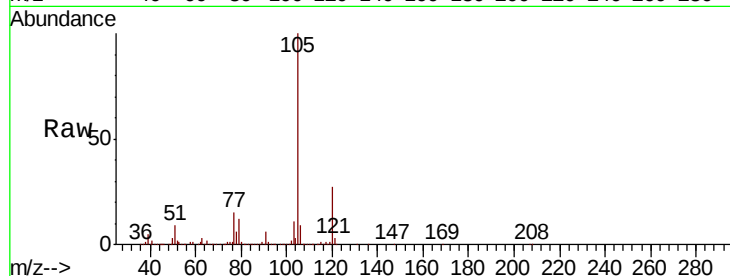
MSVOA_W

ClientSampleId :

VSTDCCC025

Tot Ion:105 Resp: 2056236

Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.0	31.6
77	15.5	12.2	18.2

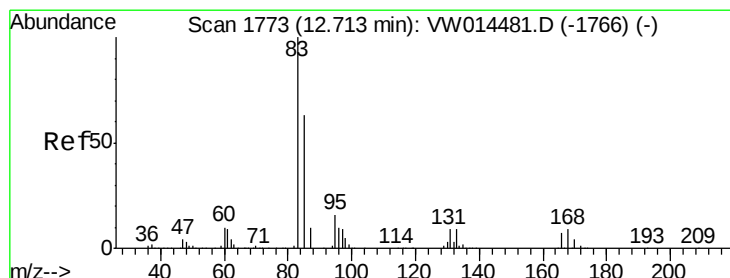
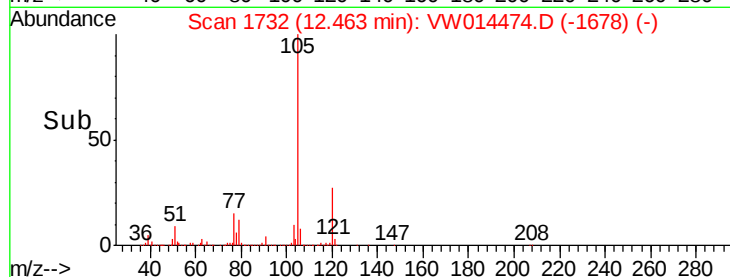
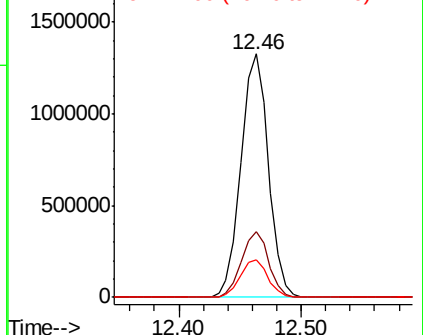


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.351 ug/L

RT: 12.71 min Scan# 1773

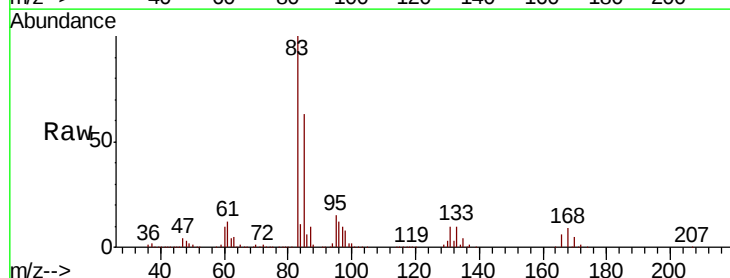
Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Tgt Ion: 83 Resp: 346396

Ion	Ratio	Lower	Upper
83	100		
85	63.4	45.3	84.1
131	9.7	8.0	12.0

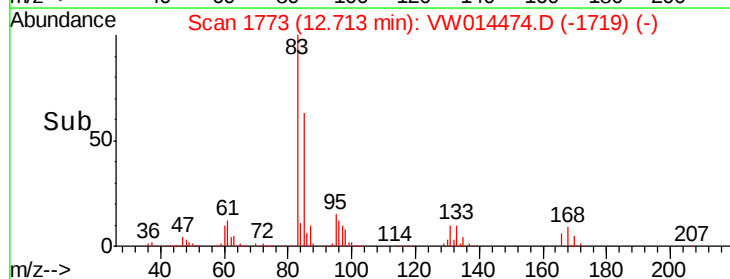
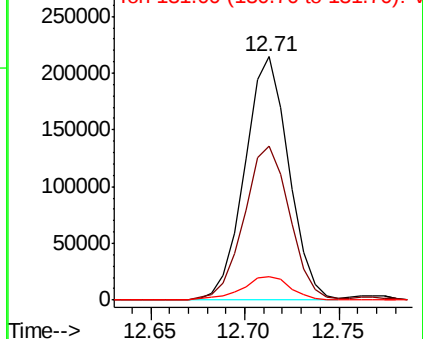


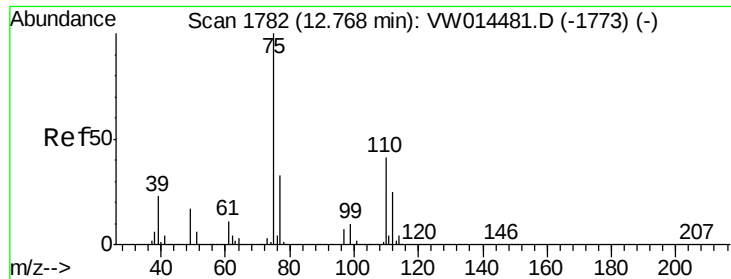
Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.540 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

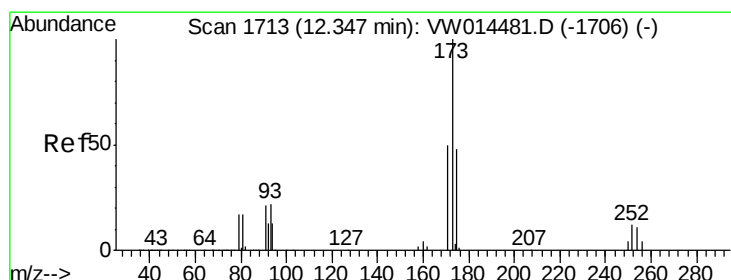
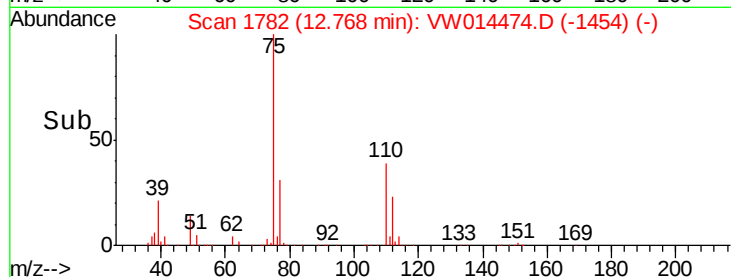
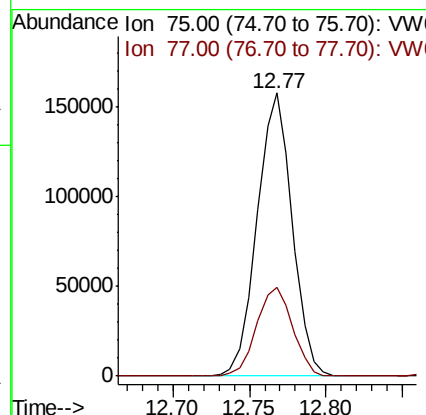
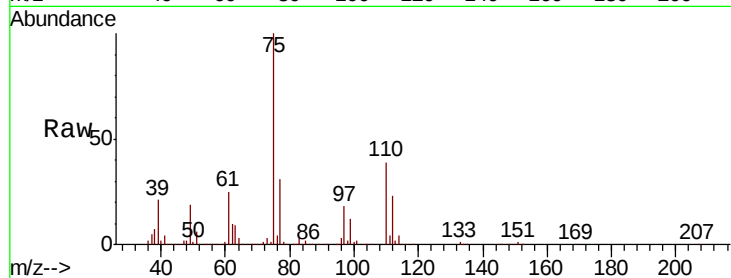
VSTDCCC025

Tot Ion: 75 Resp: 251503

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2



#62

Bromoform

Concen: 27.156 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

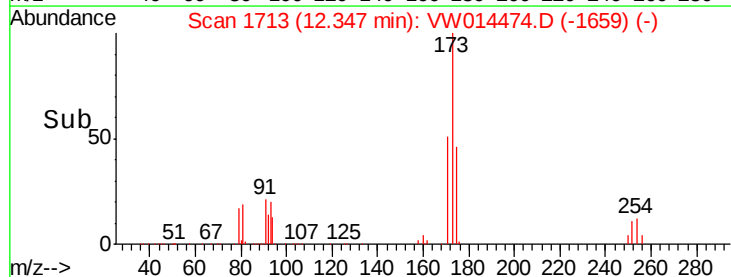
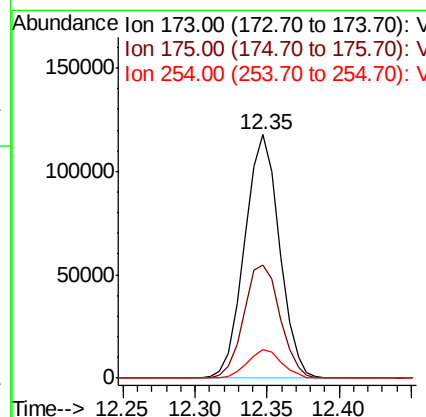
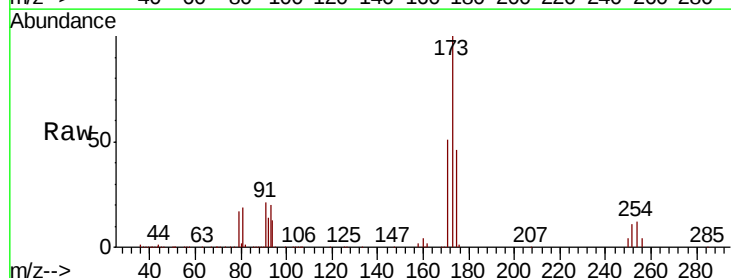
Tgt Ion: 173 Resp: 197678

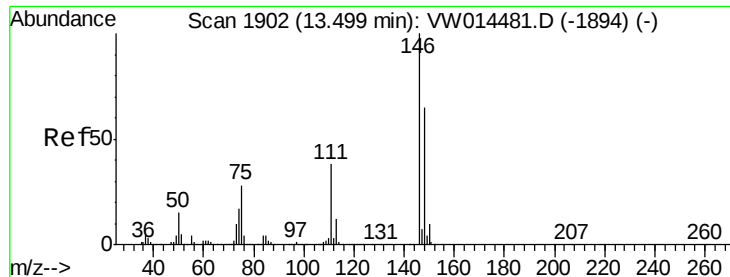
Ion Ratio Lower Upper

173 100

175 48.3 40.5 60.7

254 11.4 9.3 13.9

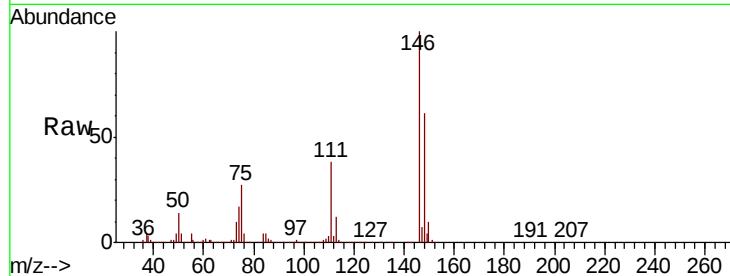




#63
 1,3-Dichlorobenzene
 Concen: 29.487 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC025

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.9	50.1
148	60.7	45.1	83.7

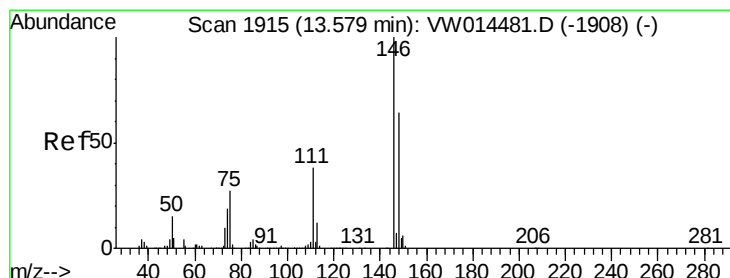
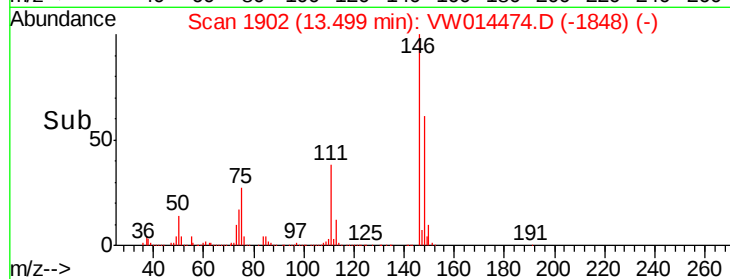
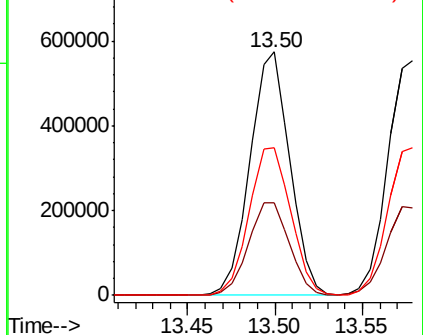


Abundance

Ion 146.00 (145.70 to 146.70): V

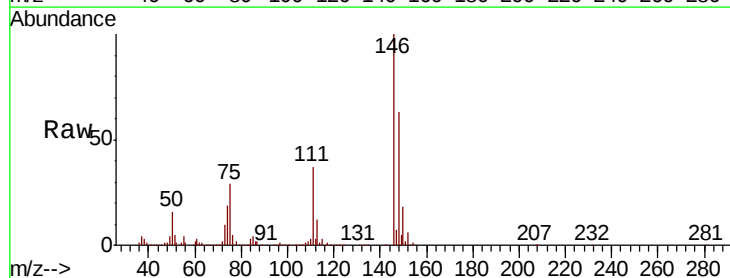
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64
 1,4-Dichlorobenzene
 Concen: 28.748 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	24.5	45.5
148	63.0	44.4	82.4

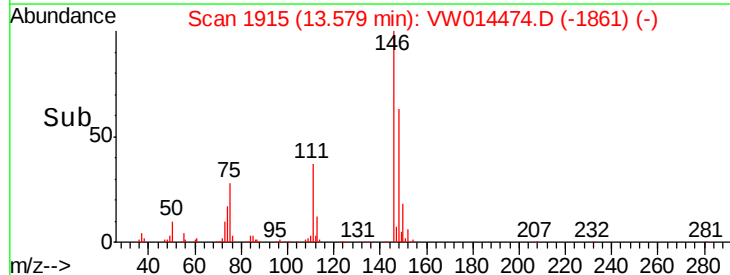
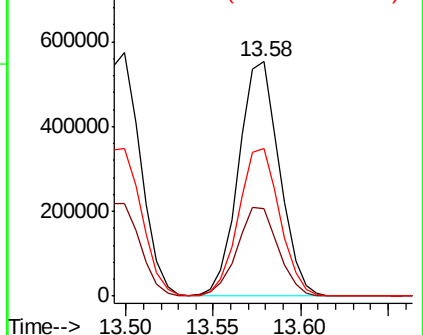


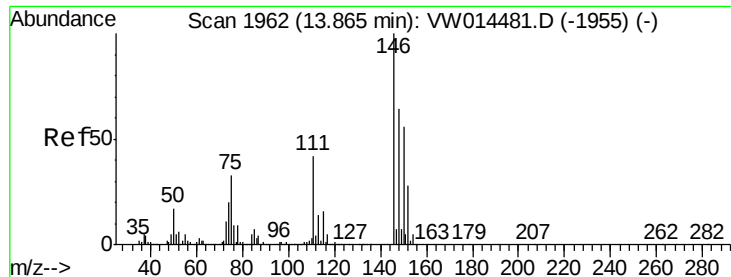
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

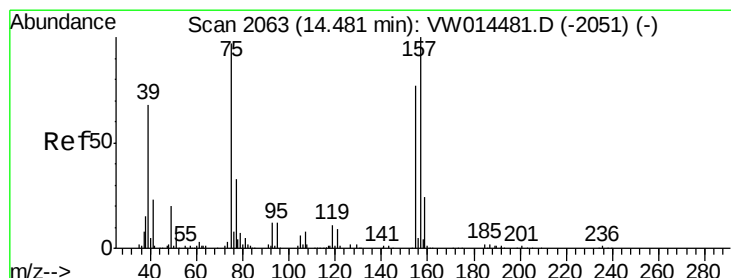
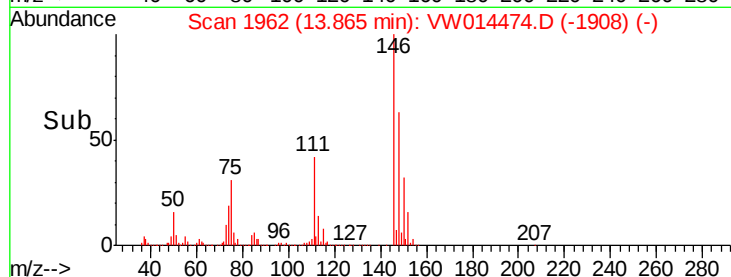
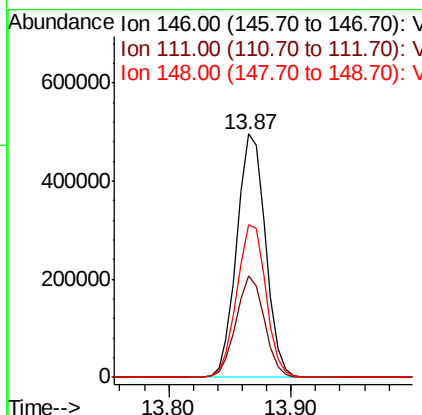
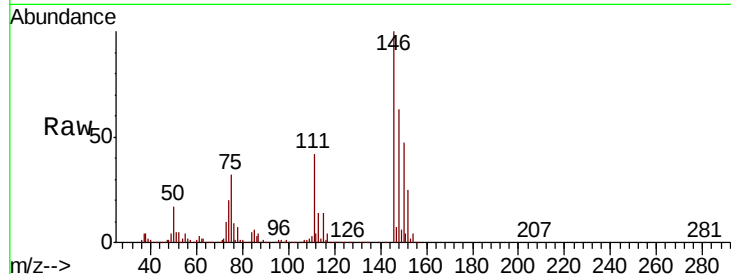




#65
 1,2-Dichlorobenzene
 Concen: 29.130 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

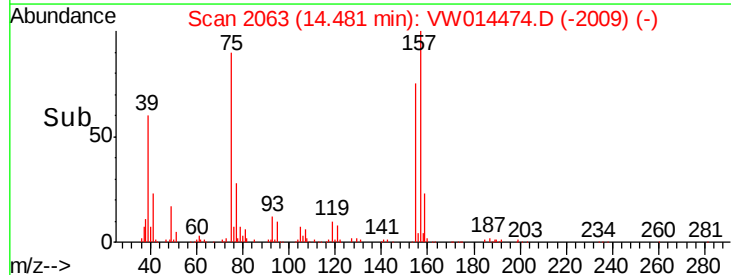
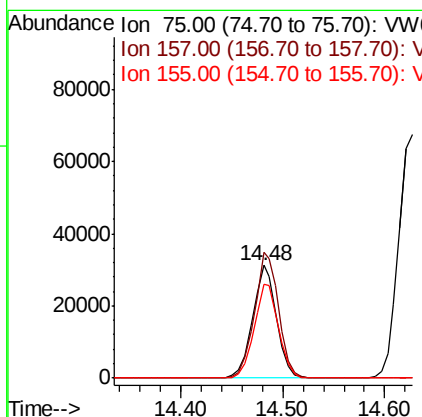
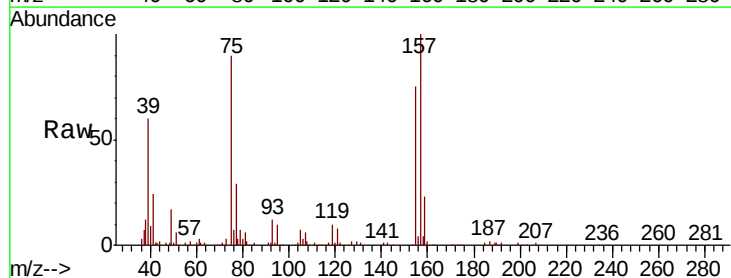
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC025

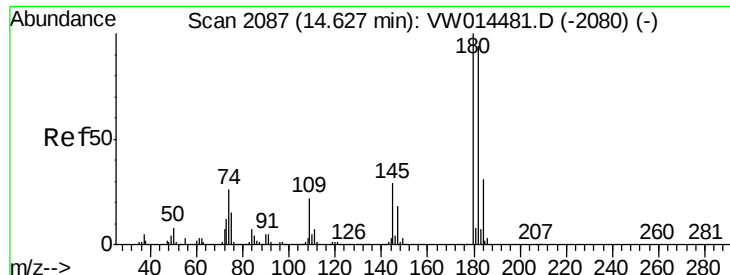
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	34.2	51.2
148	62.8	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.855 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

Tgt Ion	Ratio	Lower	Upper
75	100		
157	111.6	87.2	130.8
155	83.7	67.8	101.8

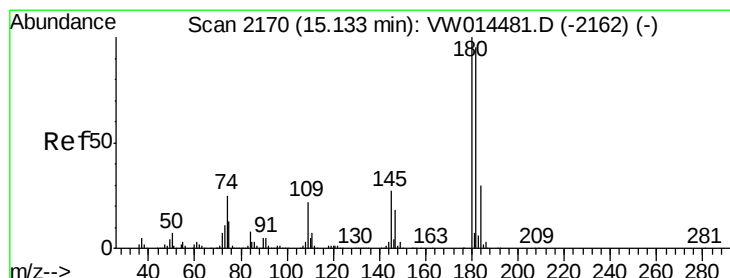
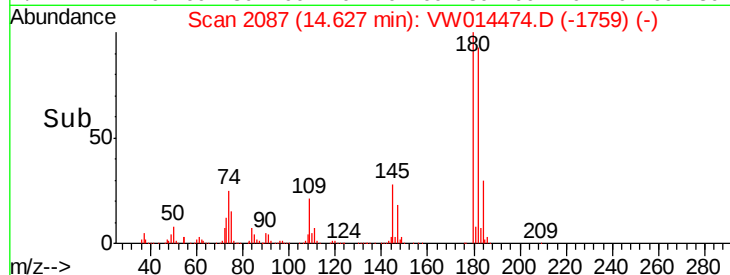
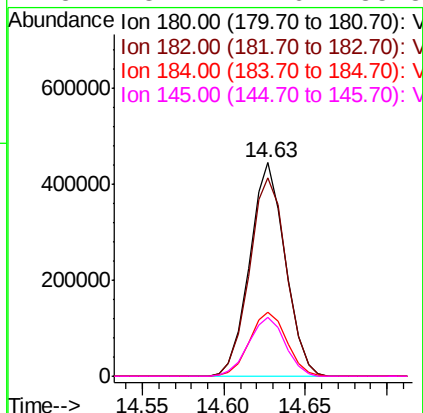
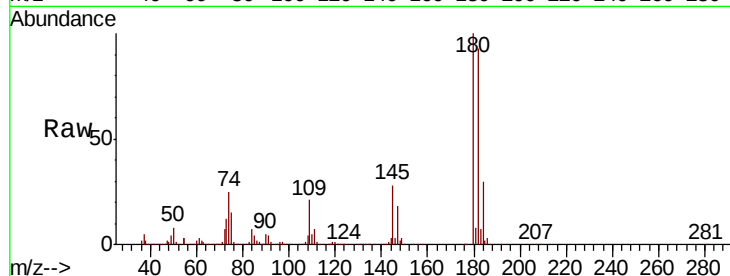




#67
 1,3,5-Trichlorobenzene
 Concen: 29.620 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

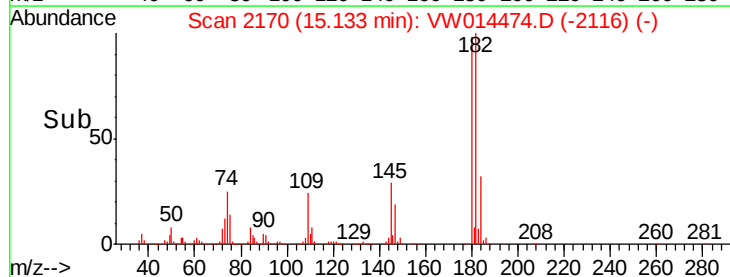
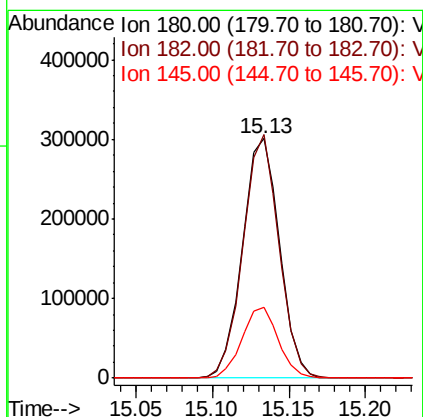
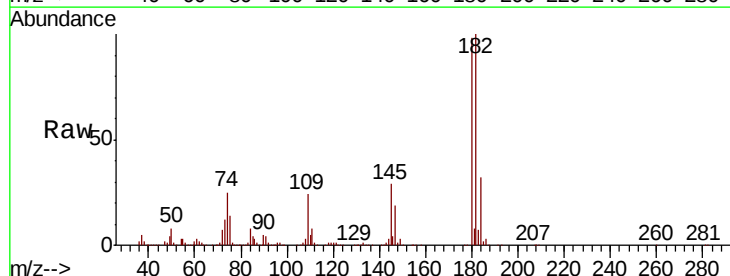
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC025

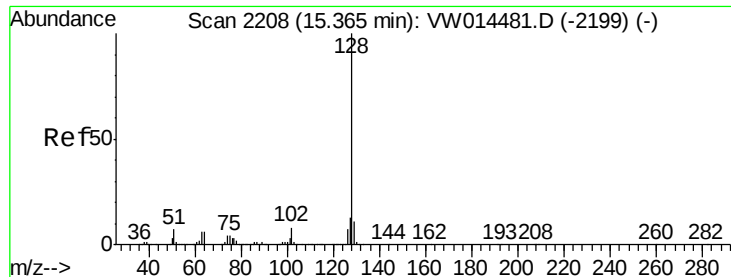
Tot Ion:180	Resp:	676687
Ion	Ratio	Lower Upper
180	100	
182	96.0	75.8 113.6
184	30.9	24.0 36.0
145	28.4	22.6 33.8



#68
 1,2,4-trichlorobenzene
 Concen: 29.641 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014474.D
 Acq: 27 Dec 2019 17:15

Tgt Ion:180	Resp:	507617
Ion	Ratio	Lower Upper
180	100	
182	98.3	76.2 114.4
145	29.0	23.1 34.7





#69

Naphthalene

Concen: 28.139 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC025

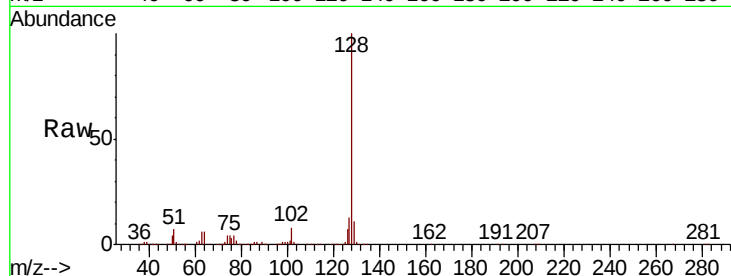
Tot Ion:128 Resp: 831949

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

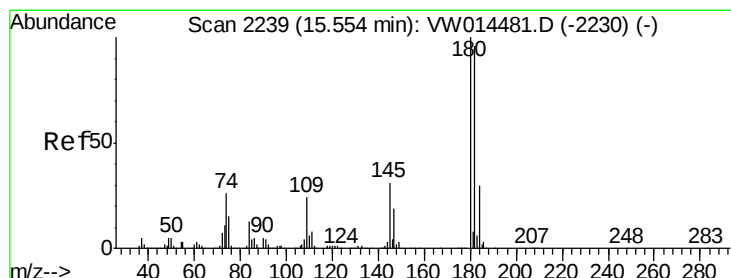
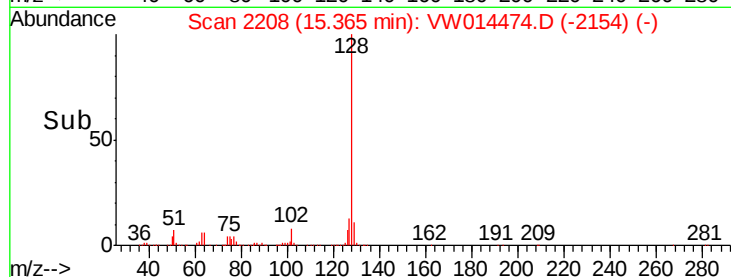
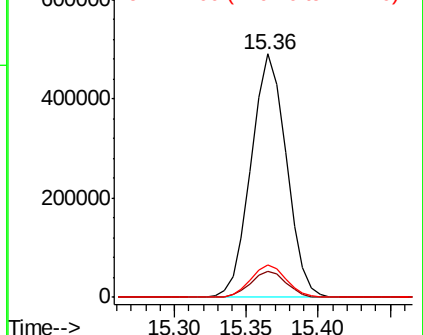
127 13.5 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 29.215 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014474.D

Acq: 27 Dec 2019 17:15

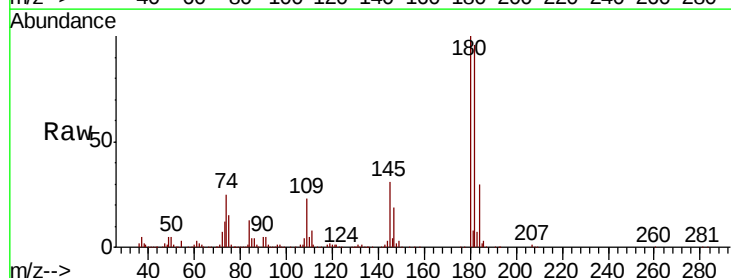
Tgt Ion:180 Resp: 453380

Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.6

145 30.7 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

