

Data File : VW011611.D
Acq On : 02 Aug 2019 09:10
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Quant Time: Aug 03 02:22:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 04:38:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	339996	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	301741	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	147570	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	109812	22.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.76%
7) Chloroethane-d5	2.88	69	82027	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.16%
10) 1,1-Dichloroethene-d2	4.02	63	267480	24.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.48%
20) 2-Butanone-d5	7.08	46	111100	51.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.08%
24) Chloroform-d	7.65	84	226031	24.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	8.30	65	134336	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.24%
29) Benzene-d6	8.27	84	452065	23.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.28%
33) 1,2-Dichloropropane-d6	9.27	67	147468	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.32%
37) Toluene-d8	10.32	98	400156	23.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.04%
38) trans-1,3-Dichloropropene-	10.58	79	63896	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.20%
39) 2-Hexanone-d5	10.93	63	75445	52.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129930	25.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	135147	23.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	110029	28.876	ug/L	100
3) Chloromethane	2.21	50	123621	24.942	ug/L	98
5) Vinyl chloride	2.36	62	169620	26.823	ug/L	98
6) Bromomethane	2.78	94	78821	26.439	ug/L	100
8) Chloroethane	2.92	64	89114	26.945	ug/L	100
9) Trichlorofluoromethane	3.26	101	86363	26.810	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	133976	27.433	ug/L	98
12) 1,1-Dichloroethene	4.04	96	132690	27.173	ug/L	90
13) Acetone	4.13	43	129893	56.261	ug/L	96
14) Carbon disulfide	4.38	76	424646	26.700	ug/L	99
15) Methyl Acetate	4.67	43	107355	28.439	ug/L	99
16) Methylene chloride	4.92	84	139022	26.202	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	225204	27.694	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	136021	26.961	ug/L	100
19) 1,1-Dichloroethane	6.21	63	275702	27.355	ug/L	99
21) 2-Butanone	7.17	43	168294	58.139	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	144006	27.283	ug/L	98

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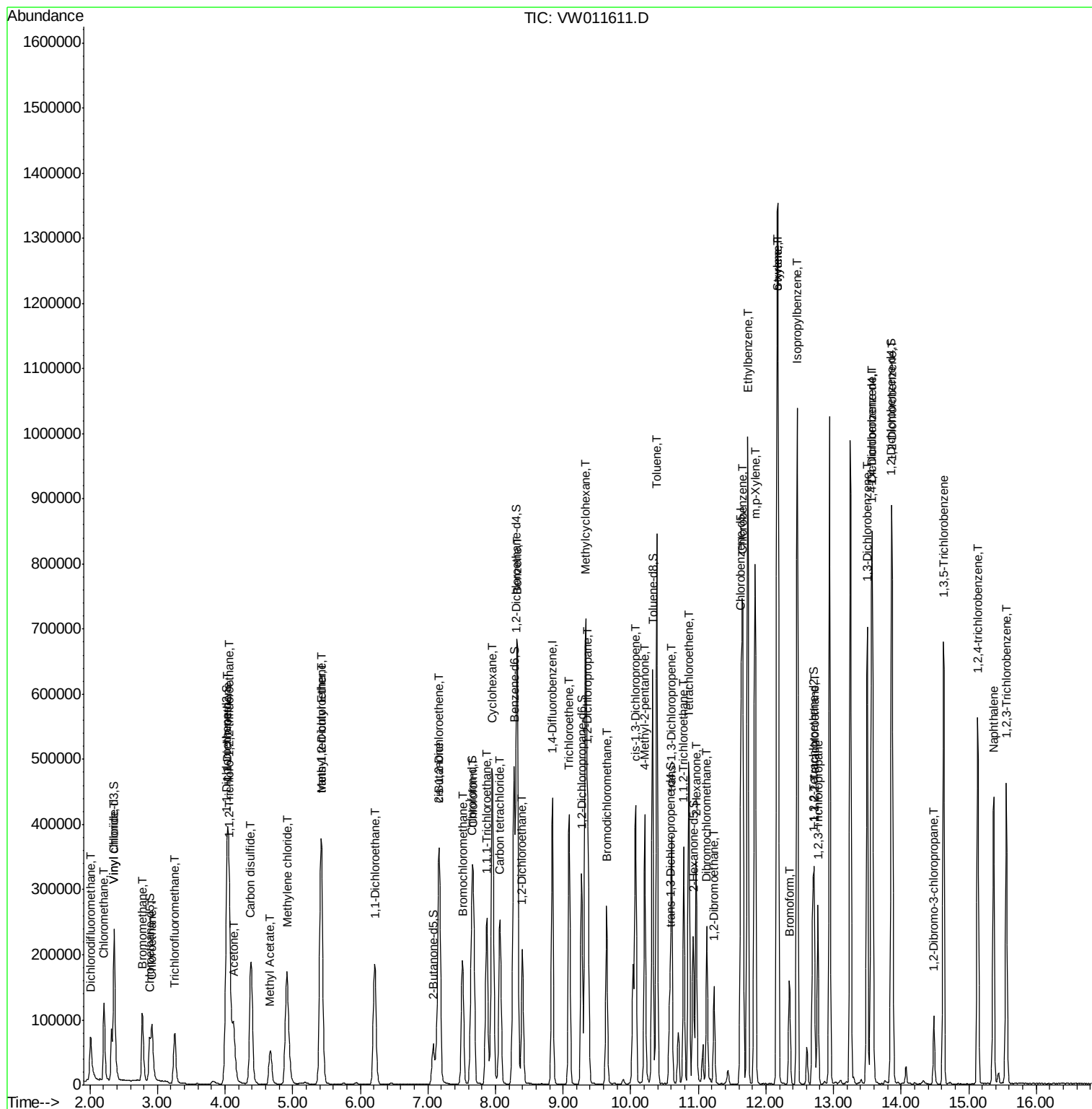
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60291	26.846	ug/L	99
25) Chloroform	7.68	83	251762	27.102	ug/L	99
27) 1,2-Dichloroethane	8.40	62	191972	27.916	ug/L	98
30) Cyclohexane	7.95	56	288455	27.502	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	203704	27.706	ug/L	98
32) Carbon tetrachloride	8.07	117	190472	27.538	ug/L	100
34) Benzene	8.32	78	575827	27.232	ug/L	100
35) Trichloroethene	9.09	95	144416	26.903	ug/L	99
36) Methylcyclohexane	9.34	83	265564	27.270	ug/L	100
40) 1,2-Dichloropropane	9.37	63	155126	27.484	ug/L	100
41) Bromodichloromethane	9.65	83	183577	27.562	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	234774	27.809	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	296470	57.972	ug/L	100
44) Toluene	10.39	91	594697	27.682	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	195918	27.892	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	105416	27.394	ug/L	98
47) Tetrachloroethene	10.86	164	110503	26.950	ug/L	95
49) 2-Hexanone	10.97	43	230417	58.481	ug/L	99
50) Dibromochloromethane	11.13	129	119378	28.145	ug/L	97
51) 1,2-Dibromoethane	11.23	107	105299	28.120	ug/L	99
52) Chlorobenzene	11.66	112	350772	27.063	ug/L	99
53) Ethylbenzene	11.73	91	667333	27.855	ug/L	99
54) m,p-Xylene	11.84	106	241723	27.747	ug/L	98
55) o-xylene	12.16	106	226745	27.657	ug/L	98
56) Styrene	12.18	104	390829	28.040	ug/L	97
57) Isopropylbenzene	12.46	105	630576	27.957	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	143809	28.121	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	111734	28.329	ug/L	99
62) Bromoform	12.35	173	72866	27.599	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	274561	27.413	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	271364	26.980	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	245182	27.034	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	25822	27.509	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	205032	27.812	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	172249	29.013	ug/L	98
69) Naphthalene	15.37	128	357672	29.916	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	156226	28.412	ug/L	99

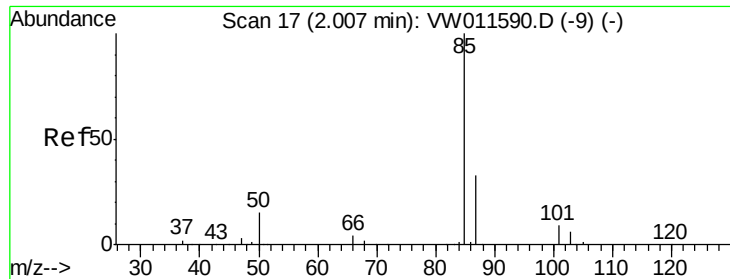
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.876 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

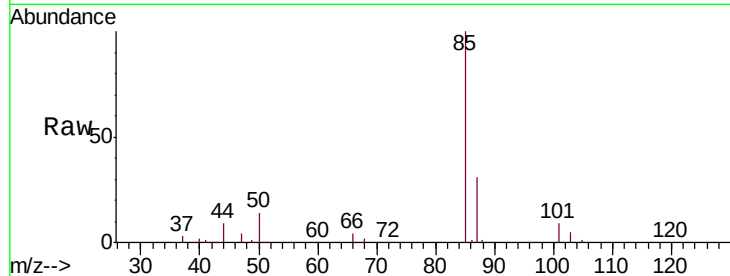
VSTD02529

Tgt Ion: 85 Resp: 110029

Ion Ratio Lower Upper

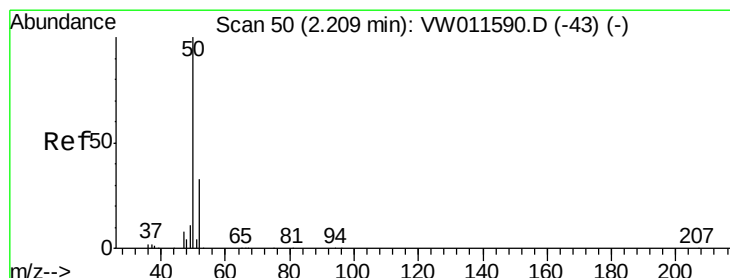
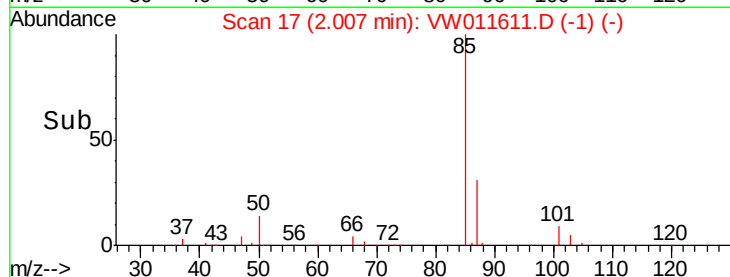
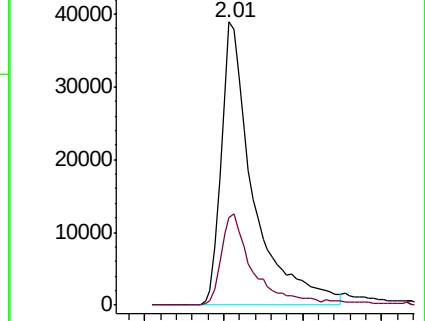
85 100

87 31.5 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.942 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011611.D

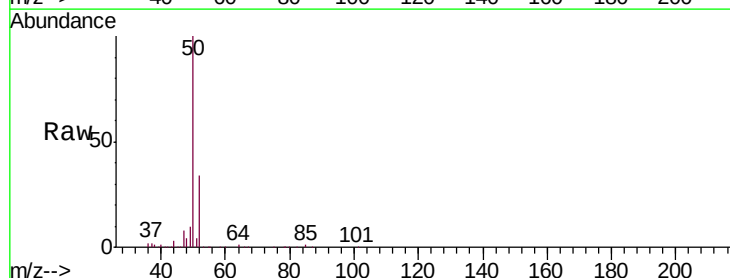
Acq: 02 Aug 2019 09:10

Tgt Ion: 50 Resp: 123621

Ion Ratio Lower Upper

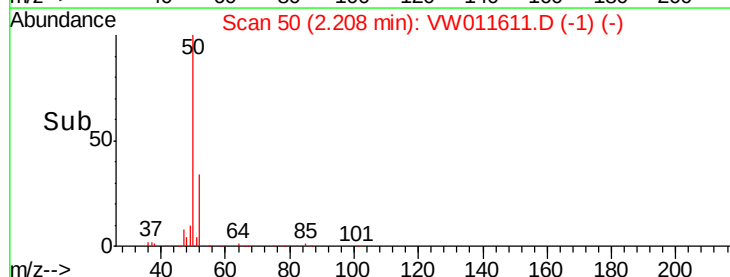
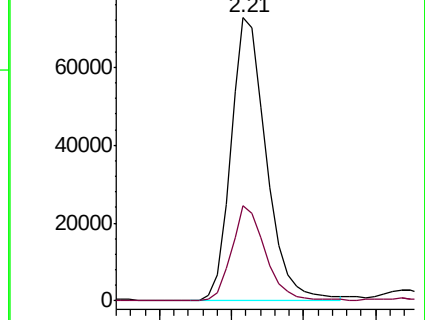
50 100

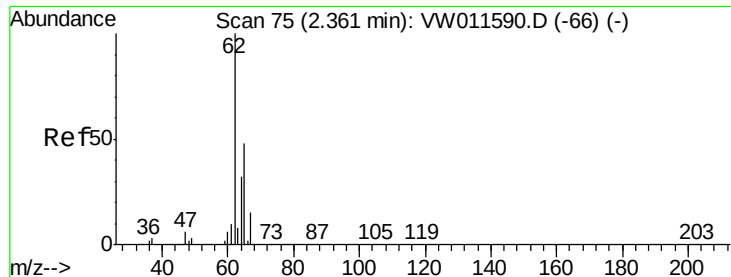
52 33.5 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.823 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

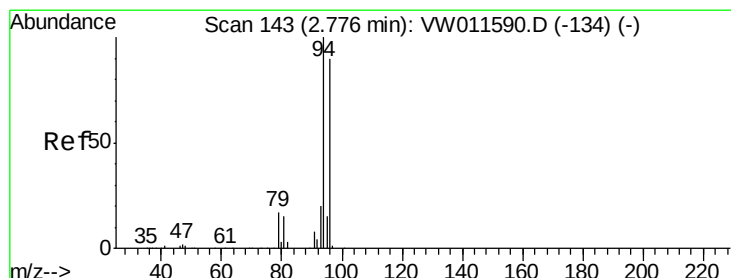
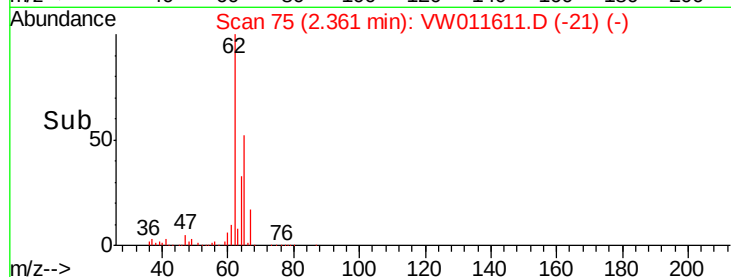
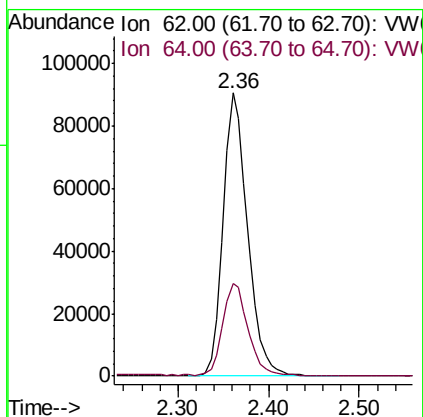
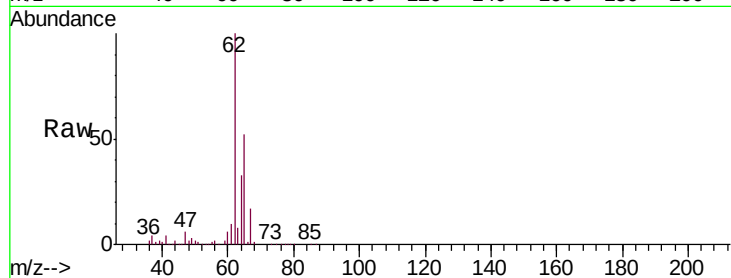
VSTD02529

Tgt Ion: 62 Resp: 169620

Ion Ratio Lower Upper

62 100

64 32.8 23.6 43.8



#6

Bromomethane

Concen: 26.439 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011611.D

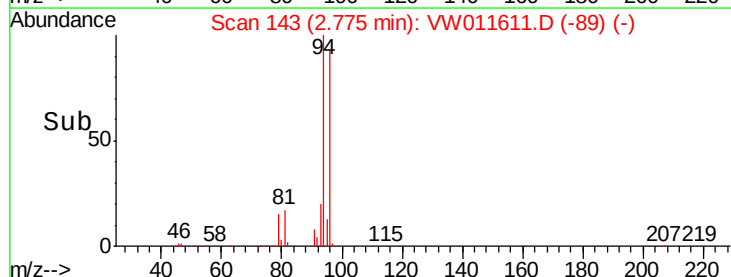
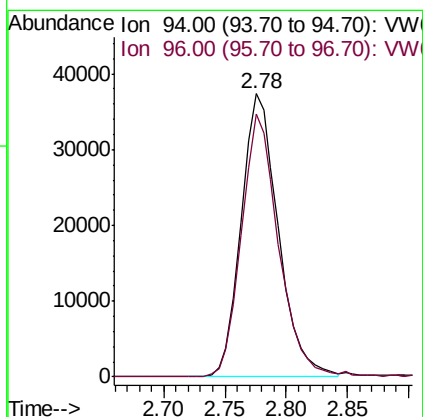
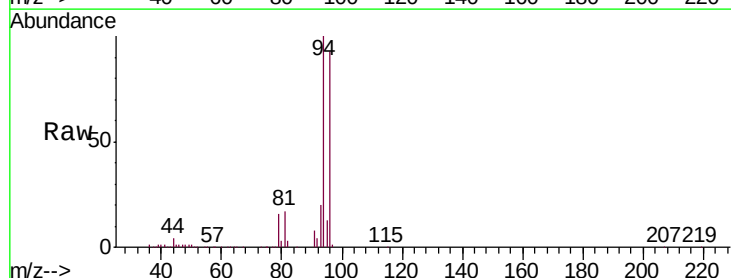
Acq: 02 Aug 2019 09:10

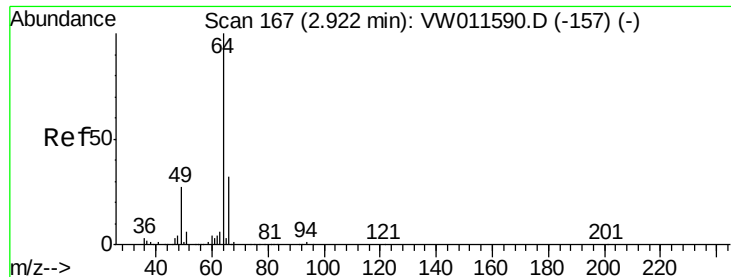
Tgt Ion: 94 Resp: 78821

Ion Ratio Lower Upper

94 100

96 92.2 9.3 175.9





#8

Chloroethane

Concen: 26.945 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

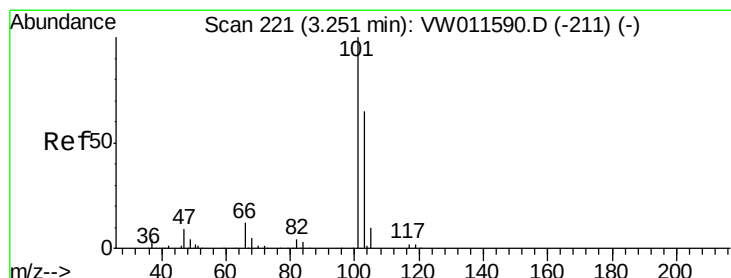
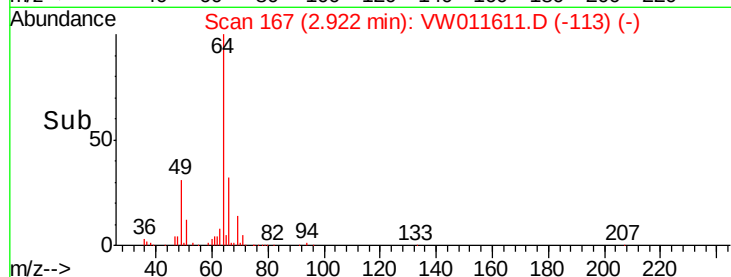
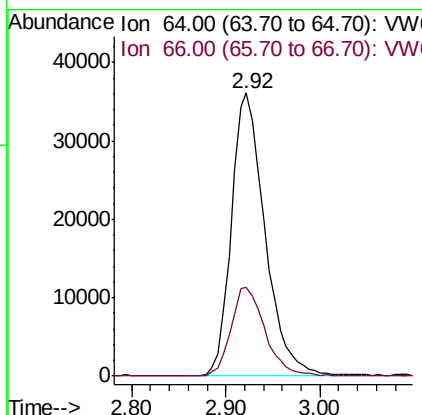
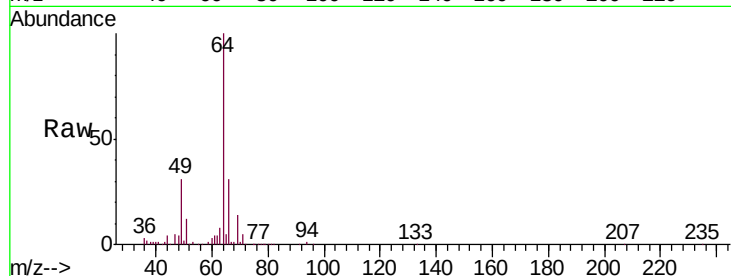
VSTD02529

Tgt Ion: 64 Resp: 89114

Ion Ratio Lower Upper

64 100

66 31.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 26.810 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW011611.D

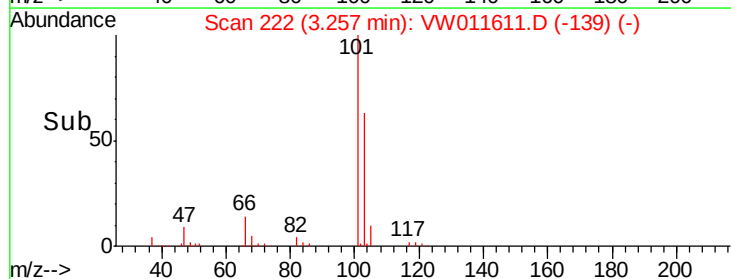
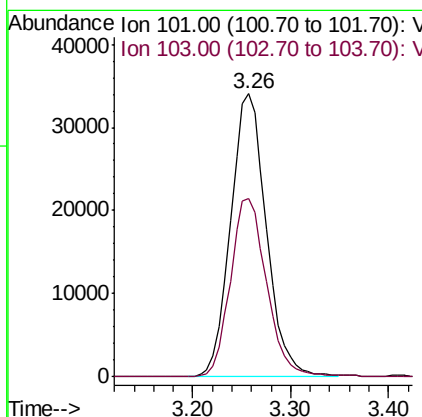
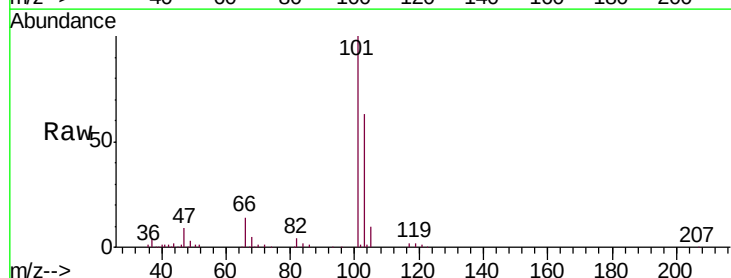
Acq: 02 Aug 2019 09:10

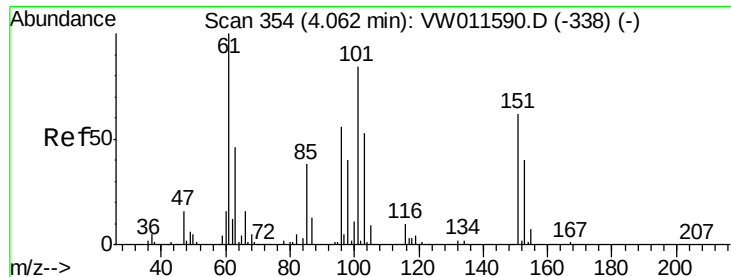
Tgt Ion: 101 Resp: 86363

Ion Ratio Lower Upper

101 100

103 64.2 44.3 82.3





#11

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

Concen: 27.433 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

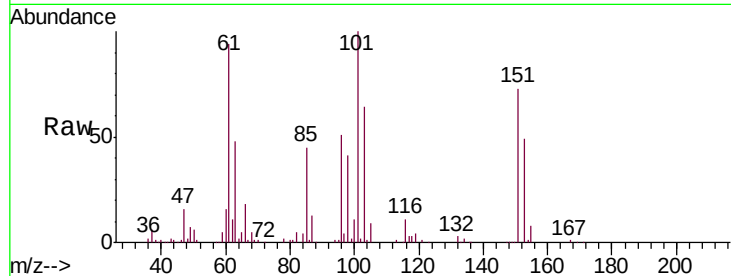
Tgt Ion:101 Resp: 133976

Ion Ratio Lower Upper

101 100

85 43.4 37.0 55.4

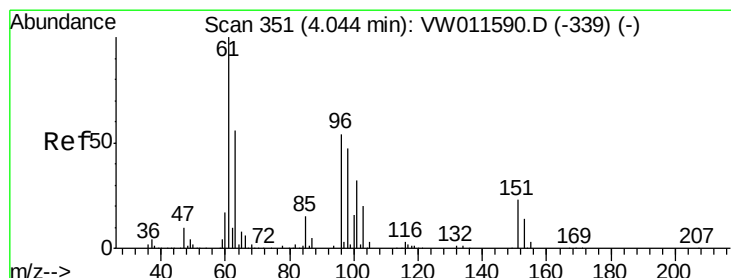
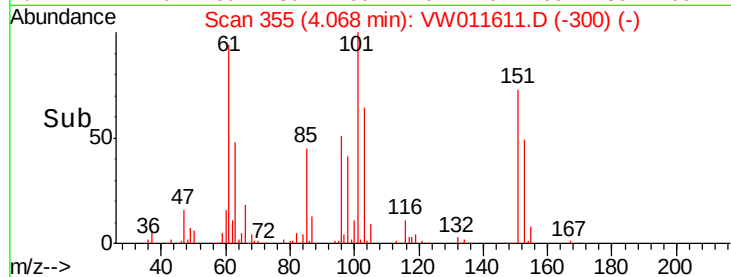
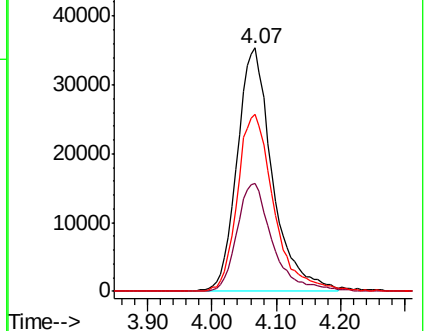
151 75.1 60.8 91.2



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: 27.173 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

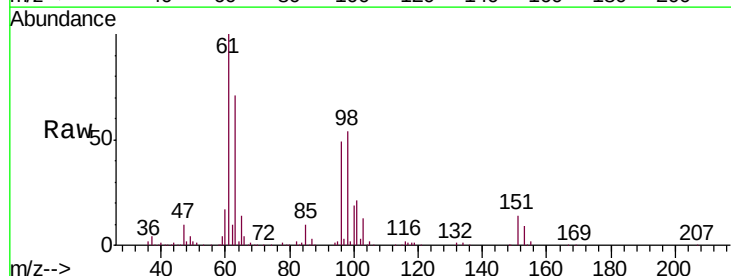
Tgt Ion: 96 Resp: 132690

Ion Ratio Lower Upper

96 100

61 202.3 135.0 250.8

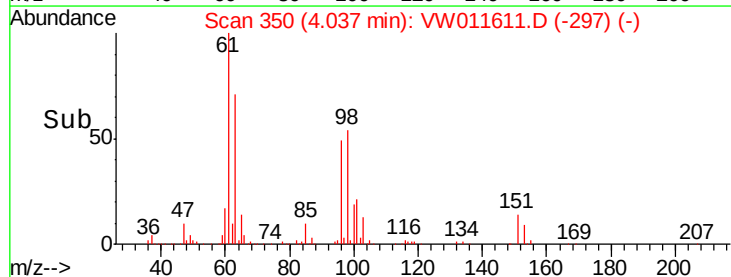
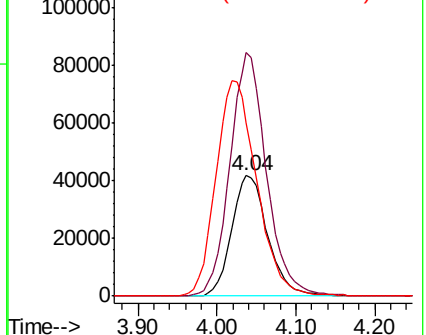
63 144.4 89.2 165.8

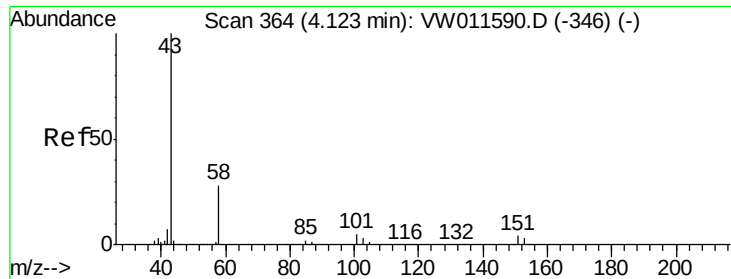


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

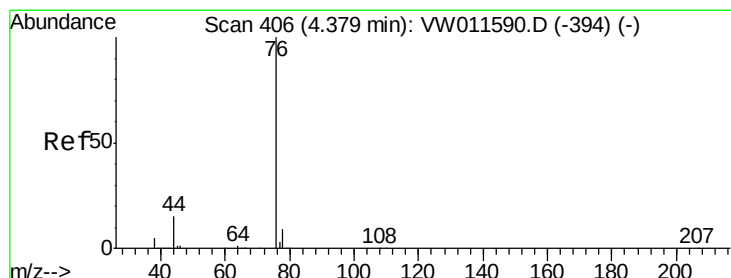
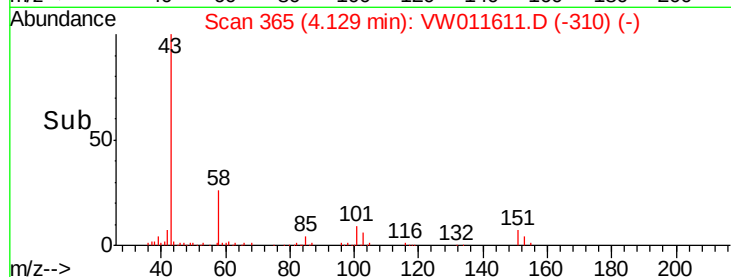
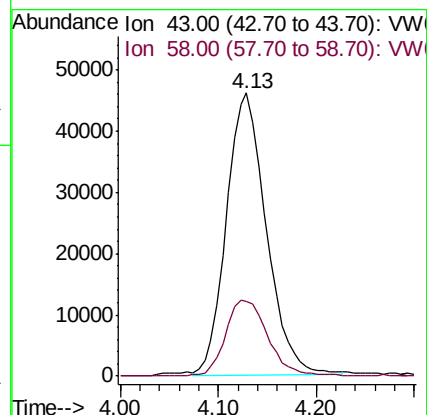
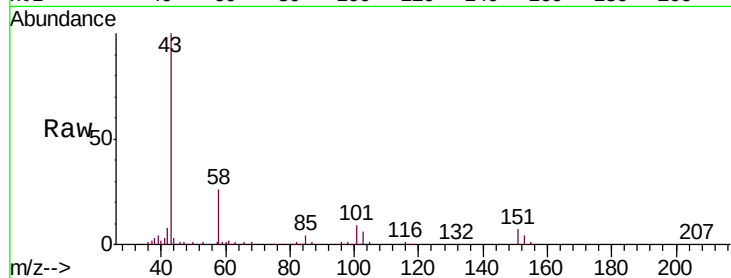




#13
Acetone
Concen: 56.261 ug/L
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

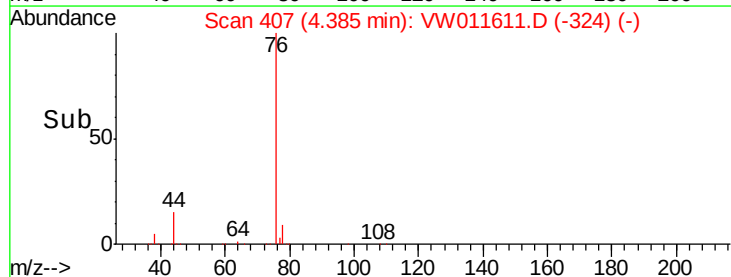
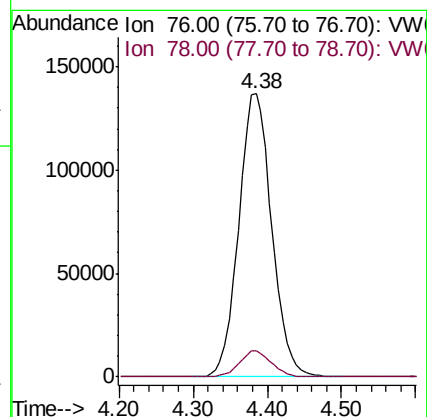
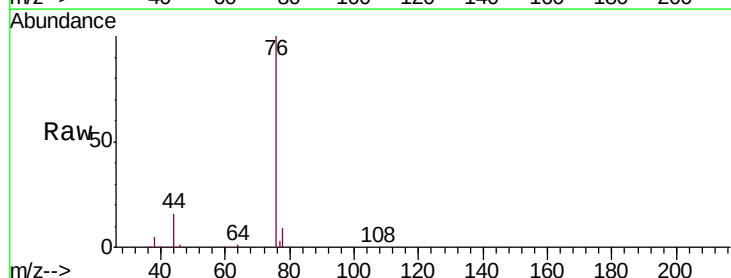
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

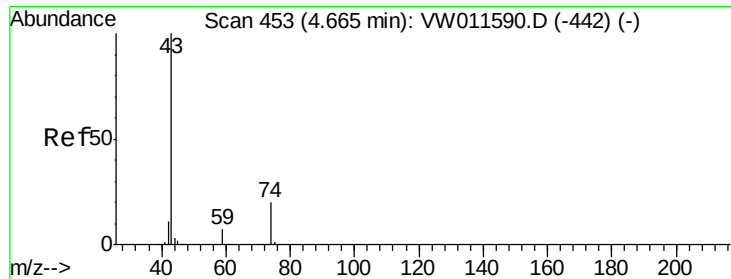
Tgt Ion: 43 Resp: 129893
Ion Ratio Lower Upper
43 100
58 28.7 0.0 53.4



#14
Carbon disulfide
Concen: 26.700 ug/L
RT: 4.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

Tgt Ion: 76 Resp: 424646
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

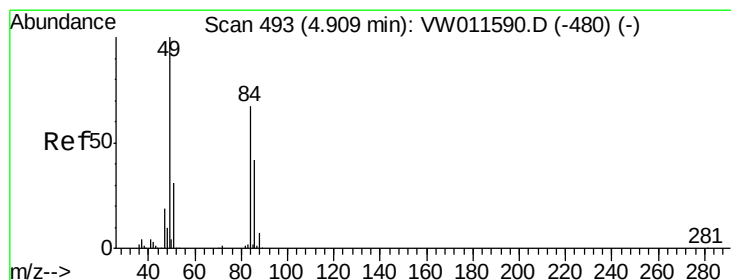
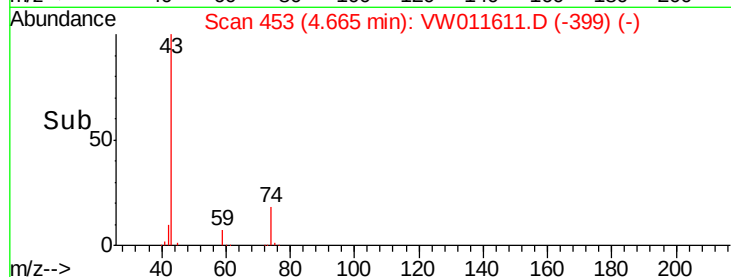
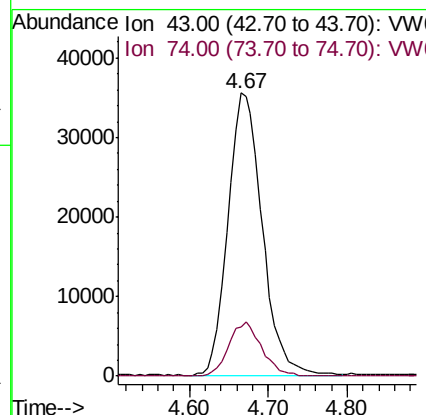
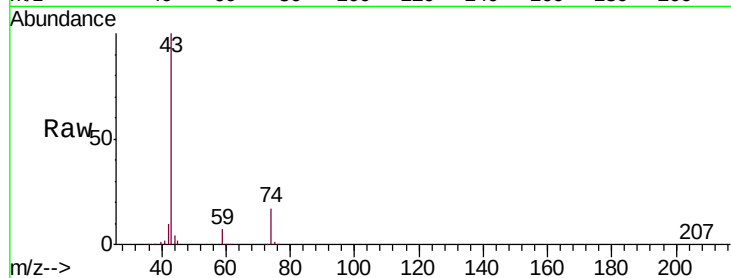




#15
Methyl Acetate
Concen: 28.439 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

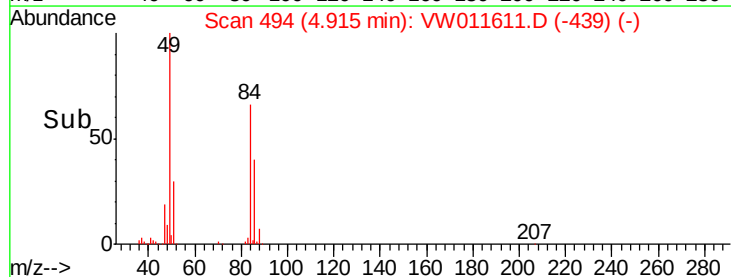
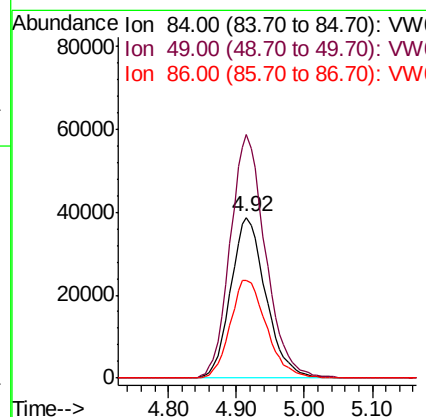
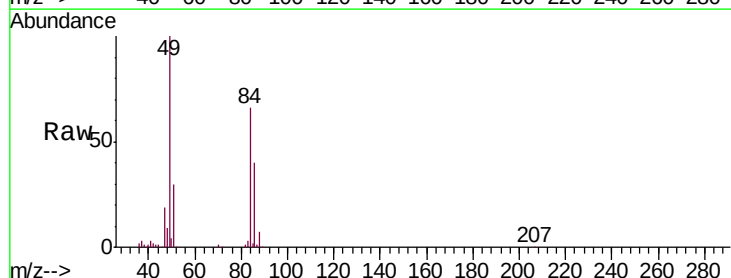
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

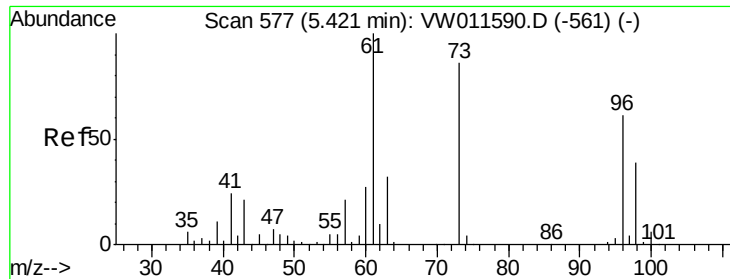
Tgt Ion: 43 Resp: 107355
Ion Ratio Lower Upper
43 100
74 18.4 15.0 22.4



#16
Methylene chloride
Concen: 26.202 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

Tgt Ion: 84 Resp: 139022
Ion Ratio Lower Upper
84 100
49 151.5 106.8 198.4
86 61.0 42.8 79.4

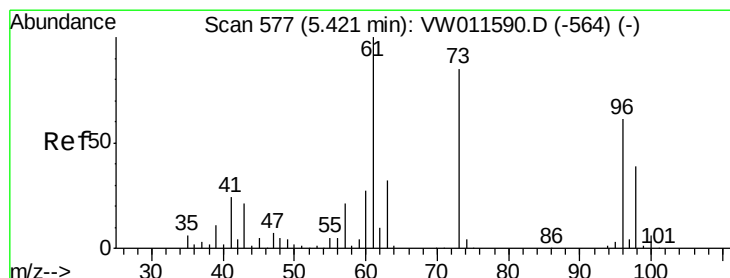
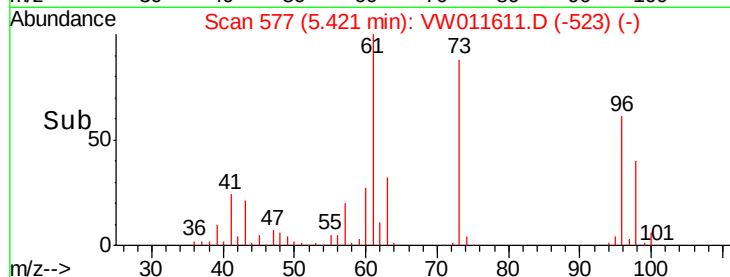
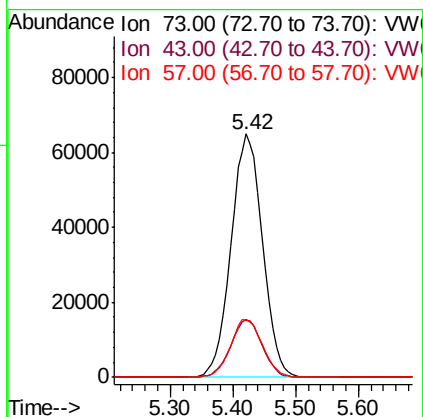
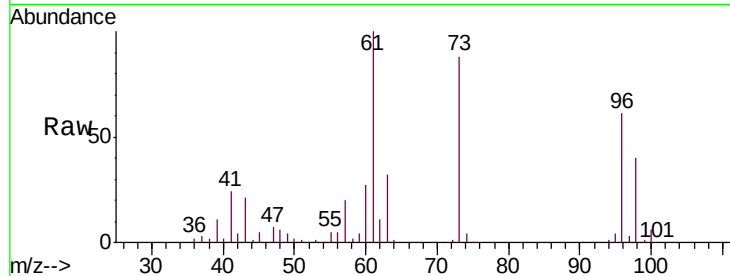




#17
Methyl tert-butyl Ether
Concen: 27.694 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

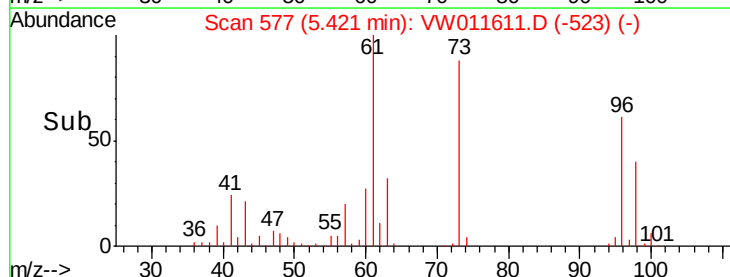
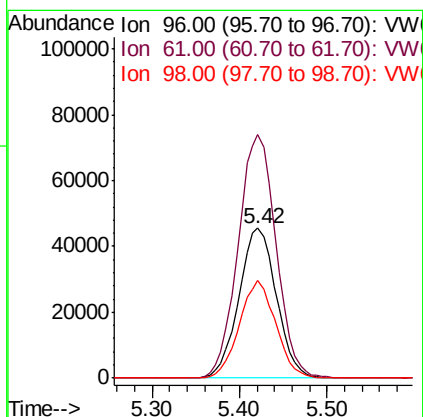
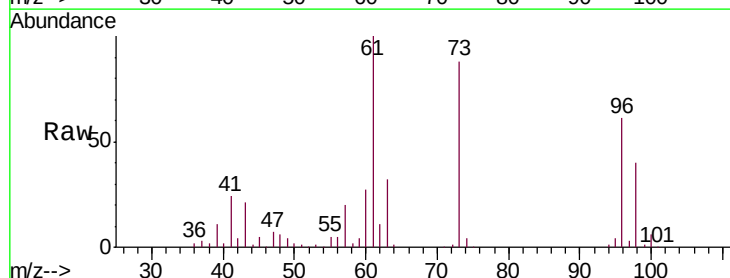
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

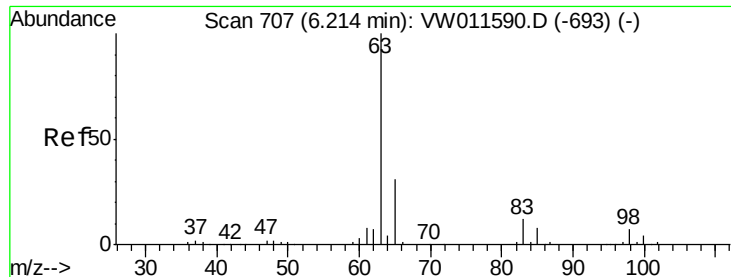
Tgt Ion: 73 Resp: 225204
Ion Ratio Lower Upper
73 100
43 23.5 19.3 28.9
57 24.3 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 26.961 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

Tgt Ion: 96 Resp: 136021
Ion Ratio Lower Upper
96 100
61 162.6 114.2 212.0
98 64.9 45.6 84.6

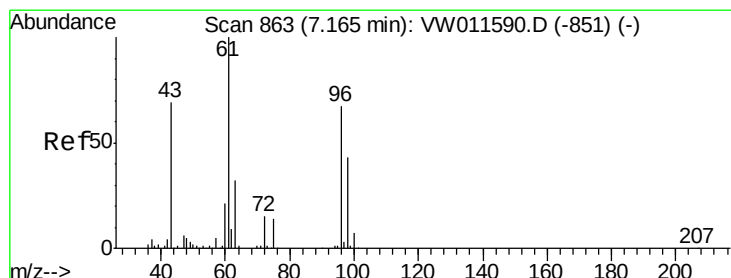
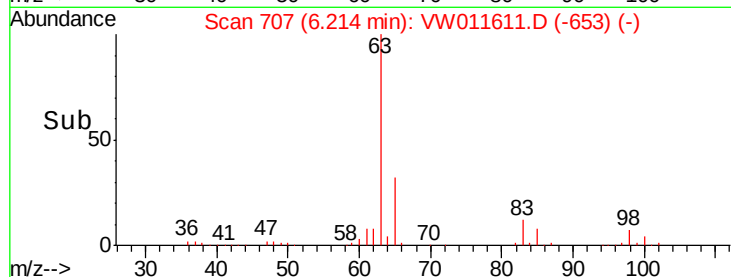
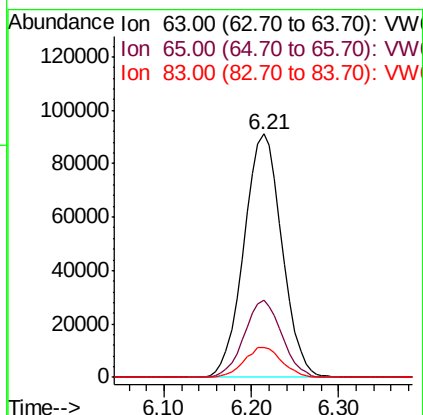
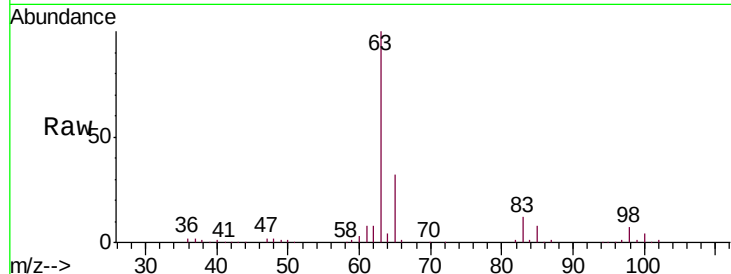




#19
 1,1-Dichloroethane
 Concen: 27.355 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

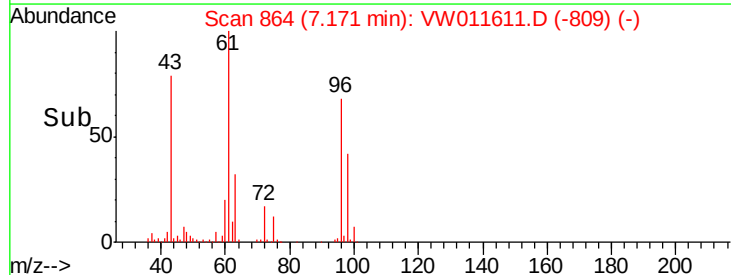
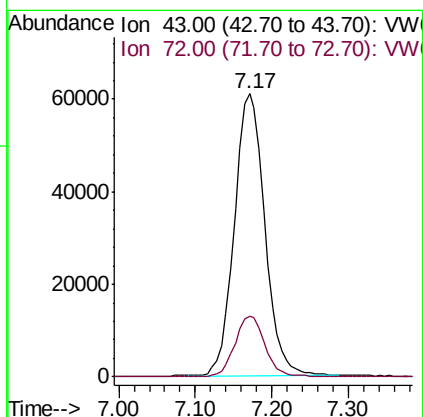
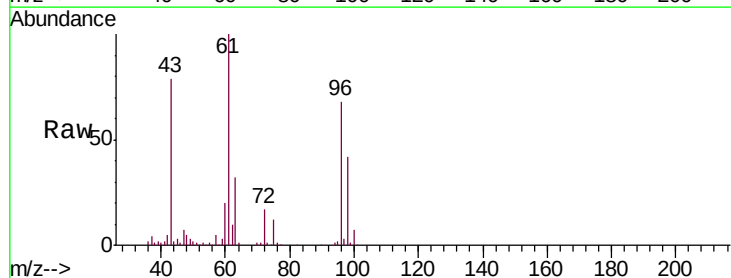
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02529

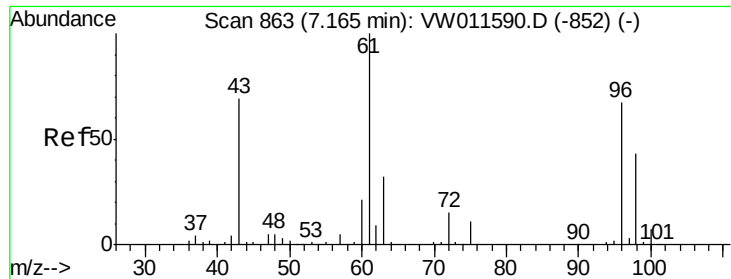
Tgt Ion: 63 Resp: 275702
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.7 40.3
 83 12.2 8.4 15.6



#21
 2-Butanone
 Concen: 58.139 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

Tgt Ion: 43 Resp: 168294
 Ion Ratio Lower Upper
 43 100
 72 21.1 10.7 32.1



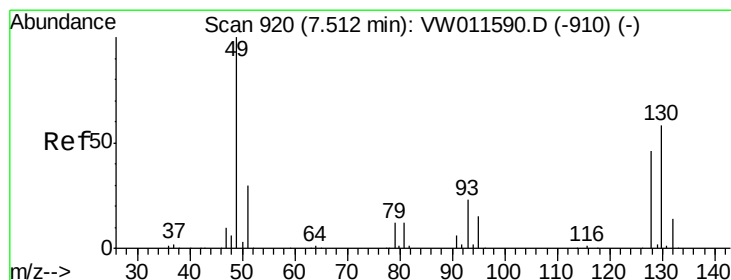
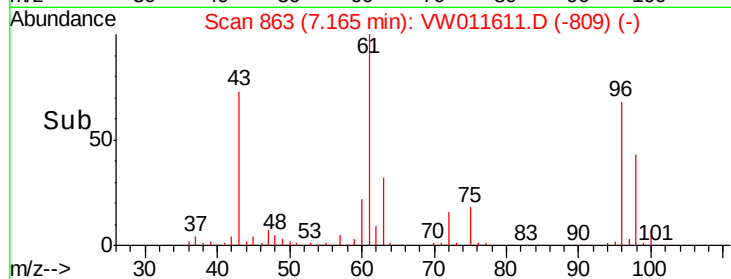
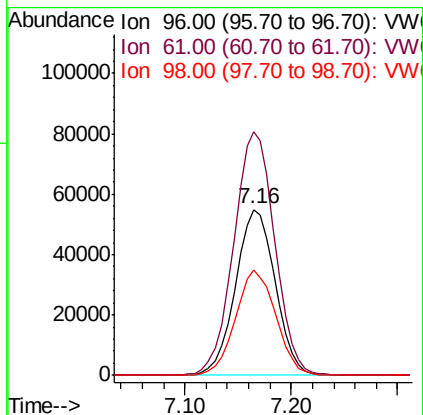
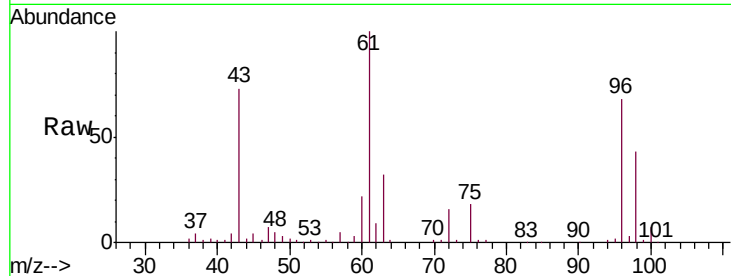


#22

cis-1,2-Dichloroethene
 Concen: 27.283 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

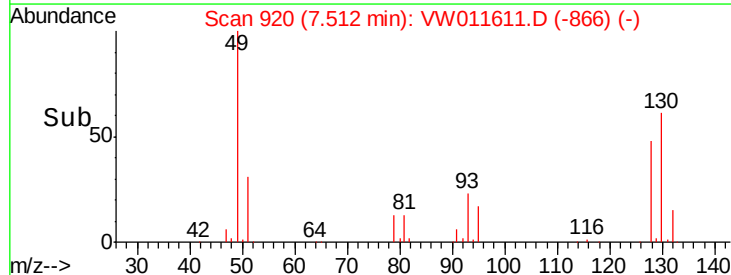
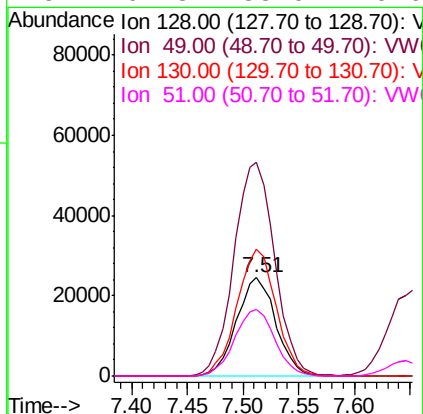
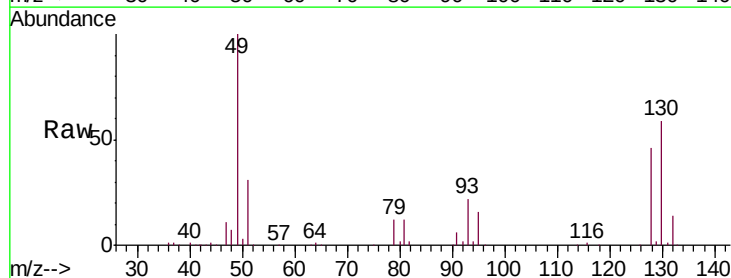
Tgt Ion: 96 Resp: 144006
 Ion Ratio Lower Upper
 96 100
 61 146.6 103.9 192.9
 98 63.5 43.5 80.9

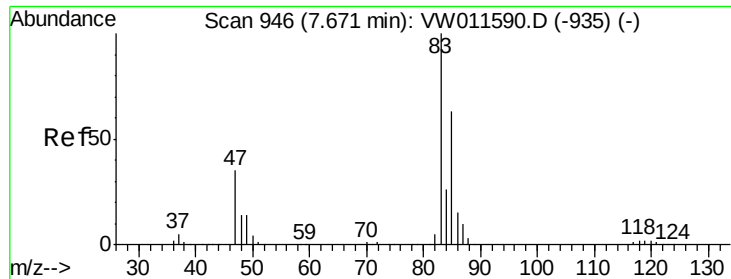


#23

Bromochloromethane
 Concen: 26.846 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

Tgt Ion: 128 Resp: 60291
 Ion Ratio Lower Upper
 128 100
 49 217.7 153.6 285.3
 130 129.2 89.5 166.3
 51 67.3 53.0 79.6

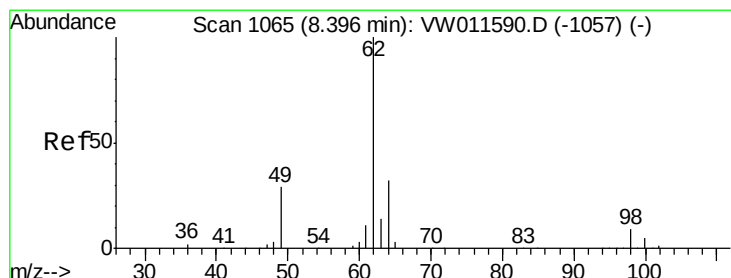
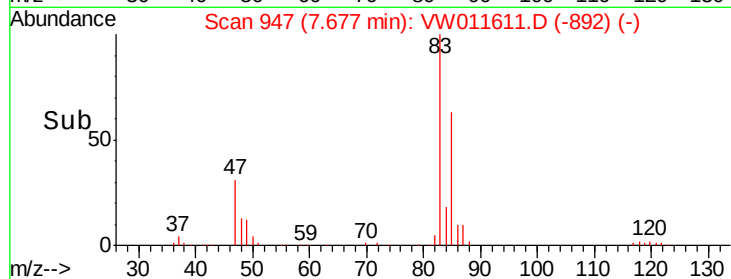
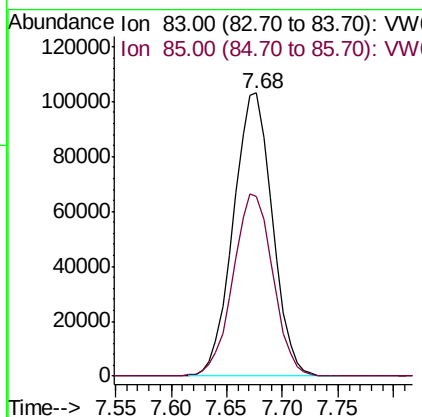
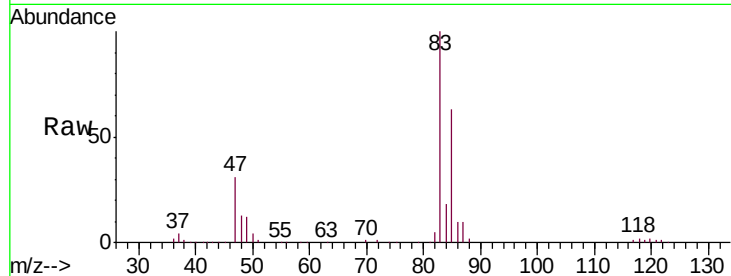




#25
Chloroform
Concen: 27.102 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

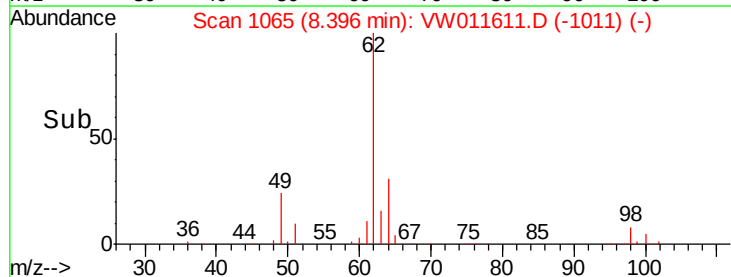
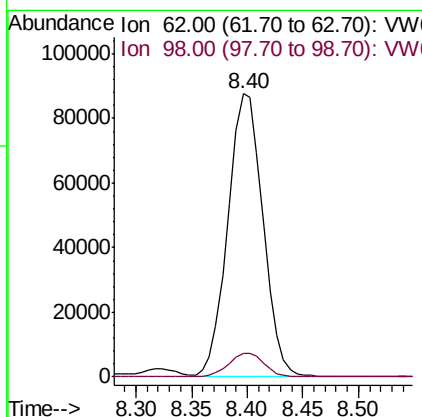
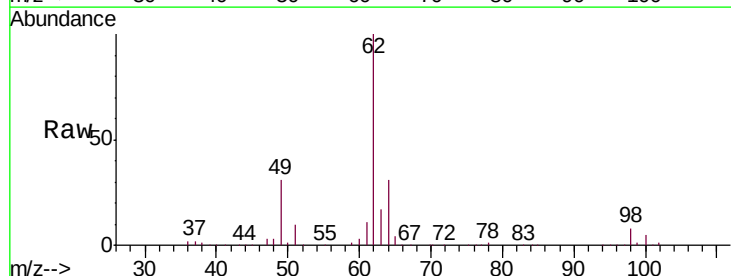
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

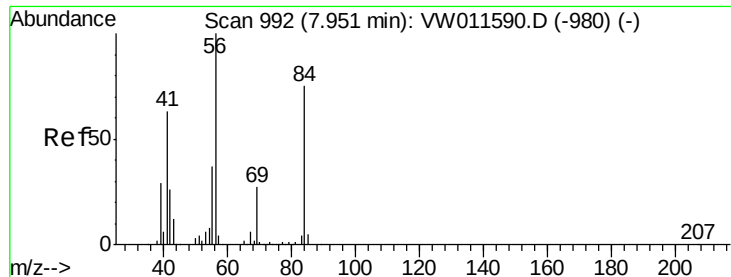
Tgt Ion: 83 Resp: 251762
Ion Ratio Lower Upper
83 100
85 65.7 45.4 84.2



#27
1,2-Dichloroethane
Concen: 27.916 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

Tgt Ion: 62 Resp: 191972
Ion Ratio Lower Upper
62 100
98 8.2 7.2 10.8

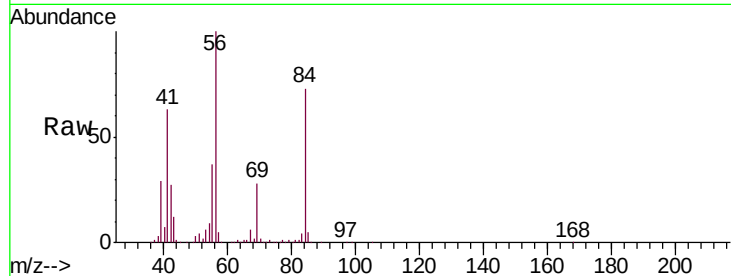




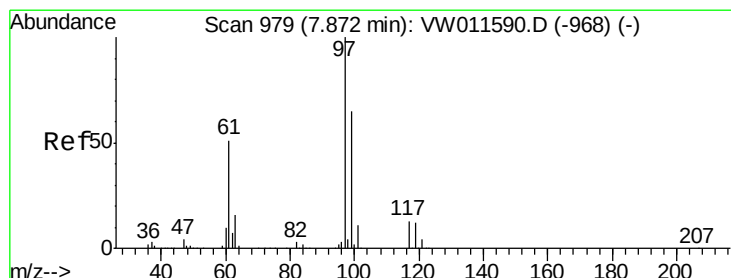
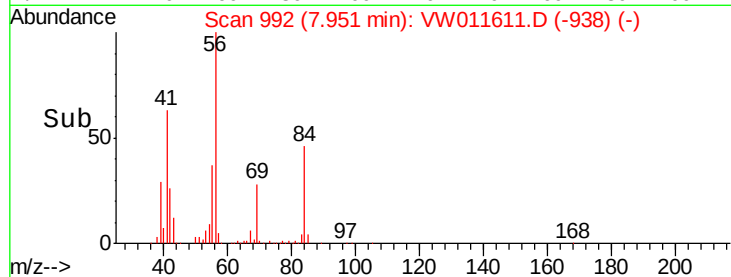
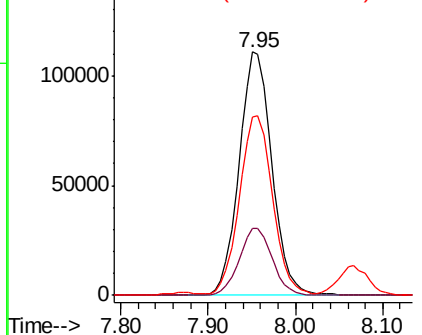
#30
Cyclohexane
Concen: 27.502 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.6	22.4	33.6
84	74.9	60.6	91.0

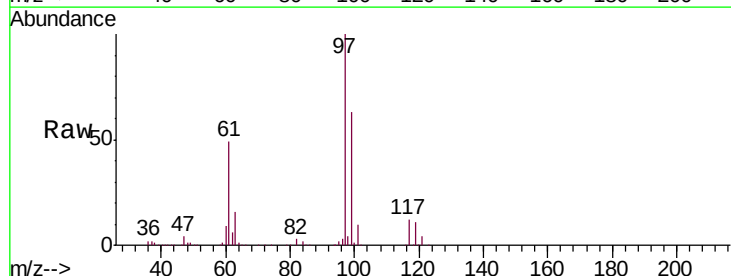


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

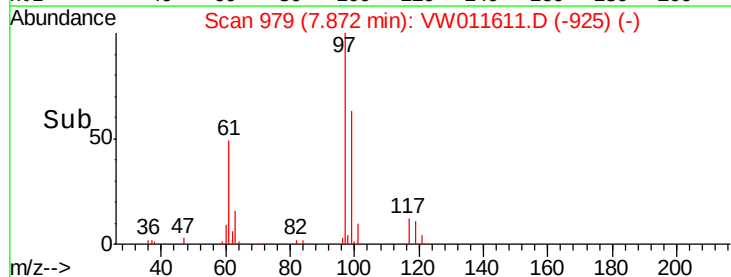
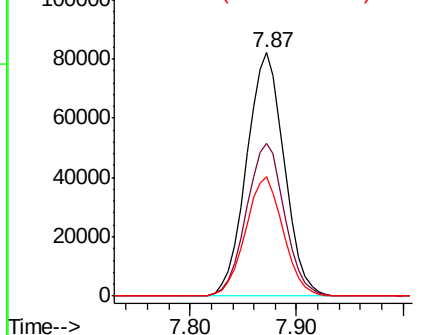


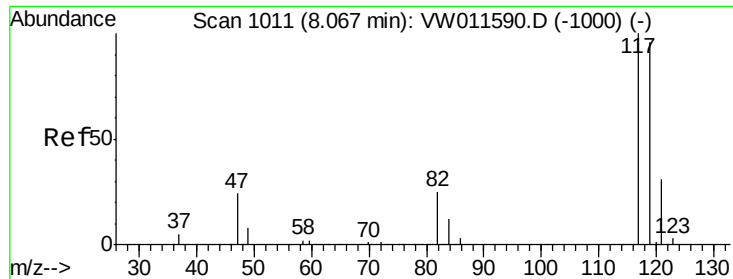
#31
1,1,1-Trichloroethane
Concen: 27.706 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.1	78.1
61	49.2	40.3	60.5



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





#32

Carbon tetrachloride

Concen: 27.538 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

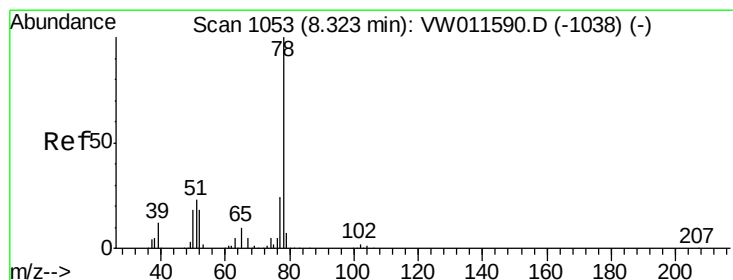
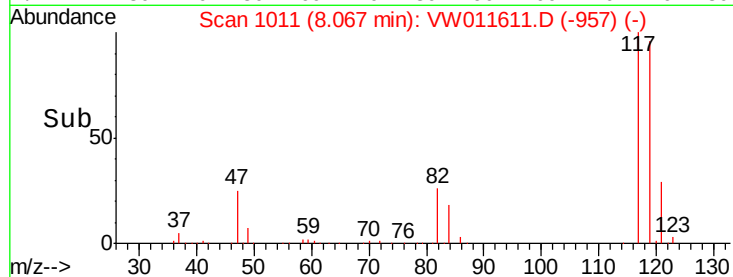
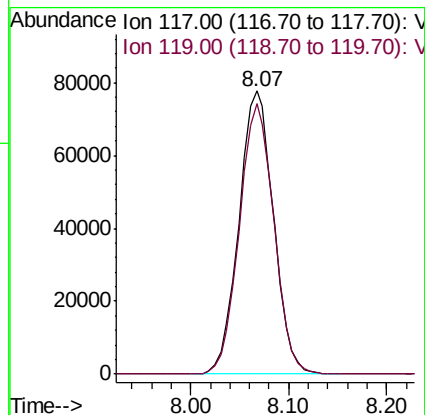
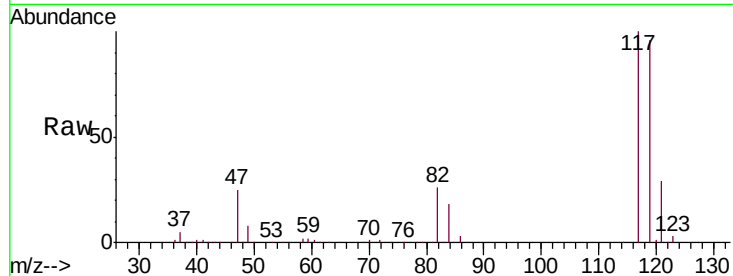
VSTD02529

Tgt Ion:117 Resp: 190472

Ion Ratio Lower Upper

117 100

119 95.5 76.2 114.4



#34

Benzene

Concen: 27.232 ug/L

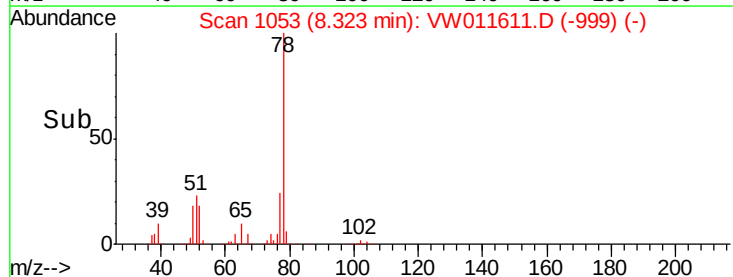
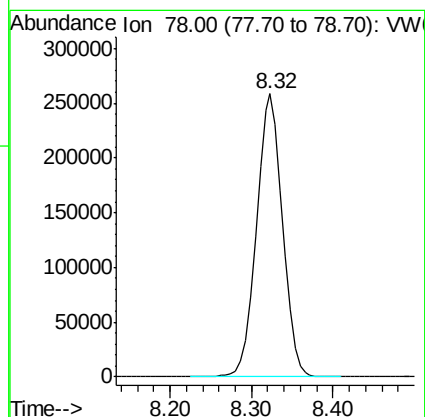
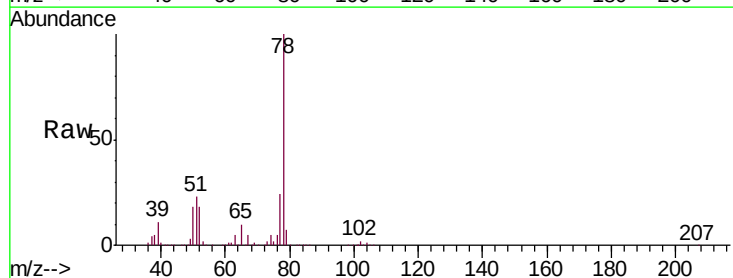
RT: 8.32 min Scan# 1053

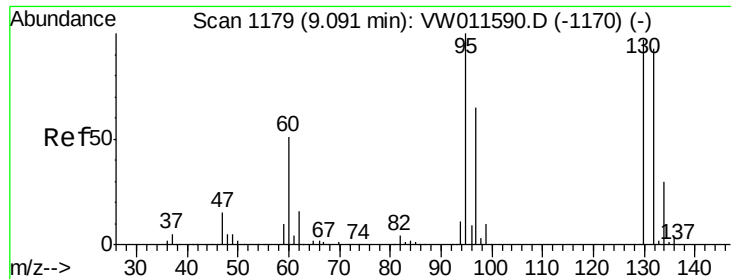
Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Tgt Ion: 78 Resp: 575827

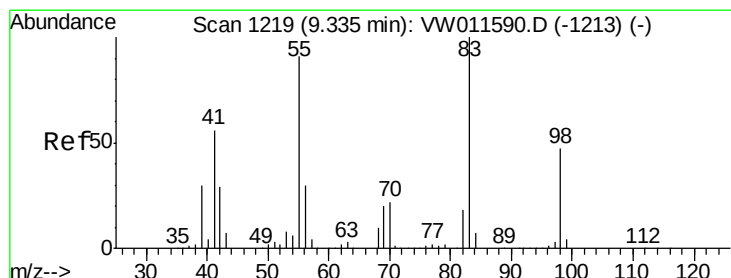
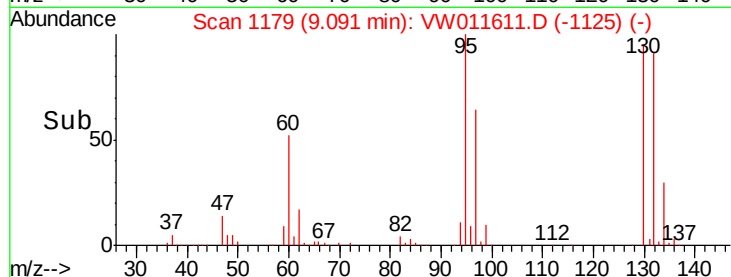
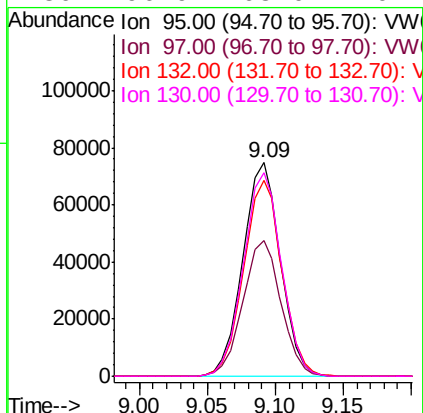
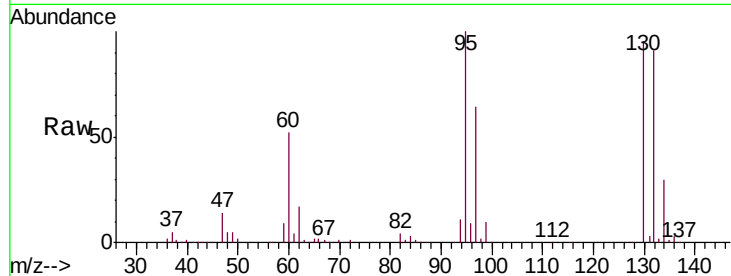




#35
 Trichloroethene
 Concen: 26.903 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

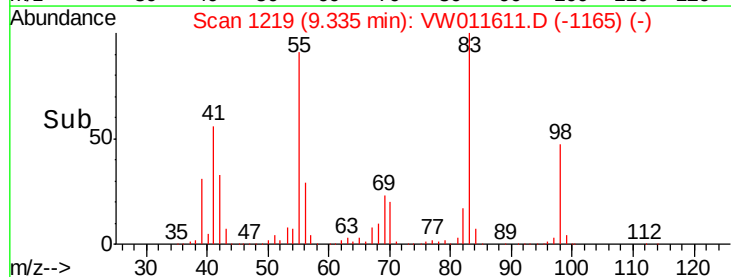
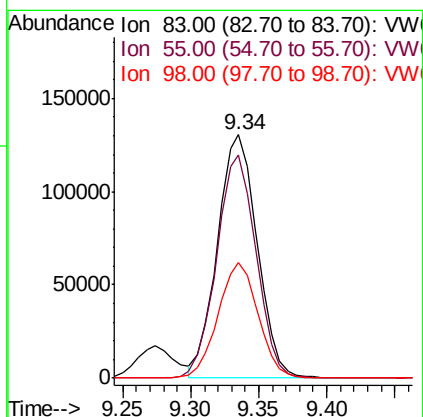
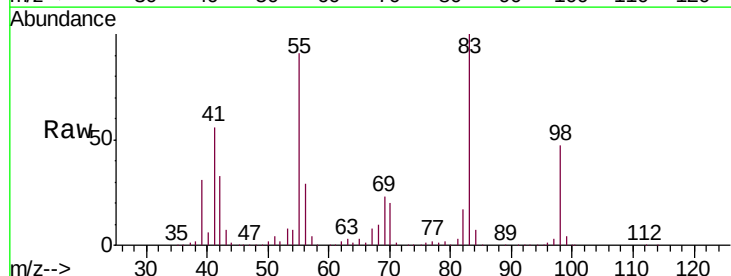
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

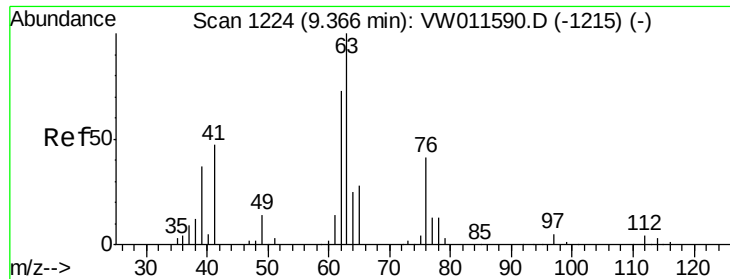
Tgt Ion:	95	Resp:	144416
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.8	83.2
132	93.3	65.0	120.6
130	96.9	68.0	126.4



#36
 Methylcyclohexane
 Concen: 27.270 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

Tgt Ion:	83	Resp:	265564
Ion	Ratio	Lower	Upper
83	100		
55	90.5	72.6	108.8
98	47.3	37.8	56.6

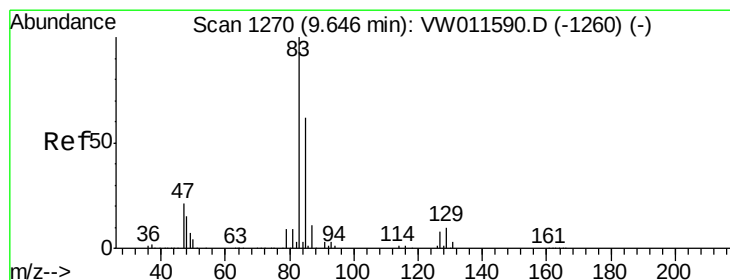
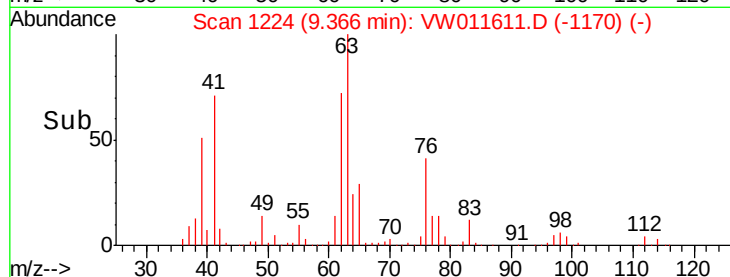
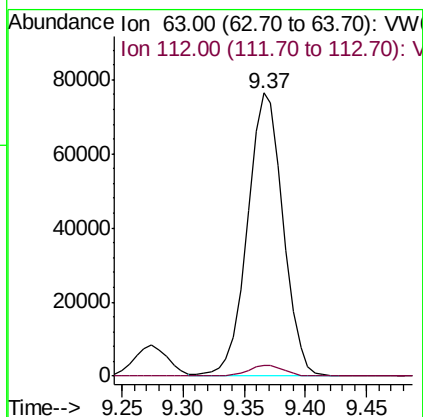
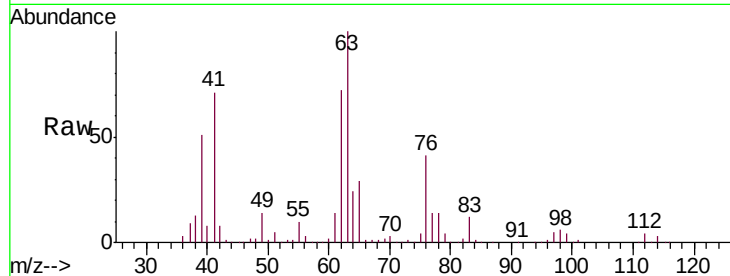




#40
 1,2-Dichloropropane
 Concen: 27.484 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

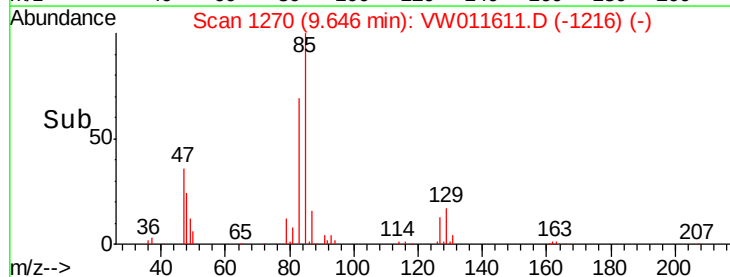
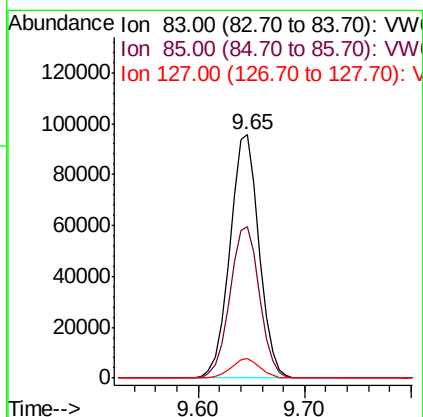
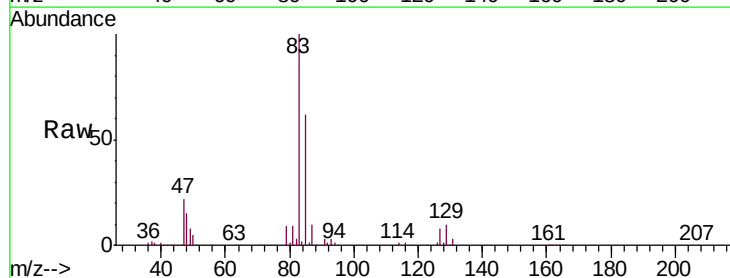
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

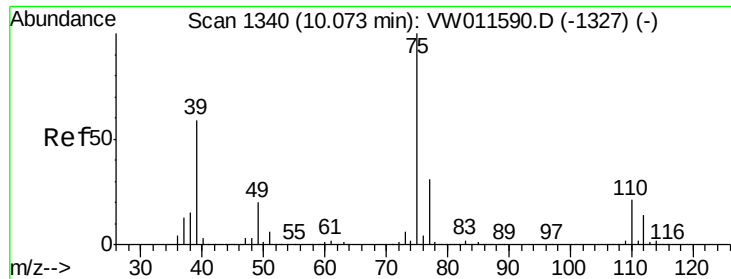
Tgt Ion: 63 Resp: 155126
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#41
 Bromodichloromethane
 Concen: 27.562 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

Tgt Ion: 83 Resp: 183577
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.0 81.6
 127 7.9 6.5 9.7

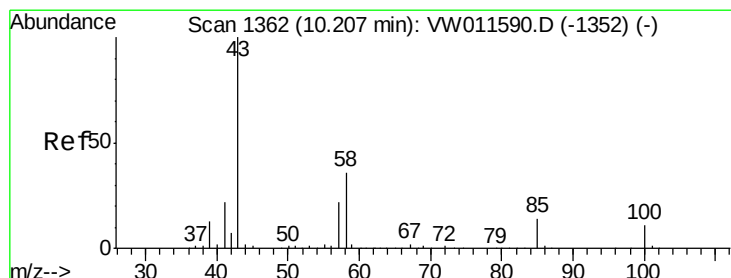
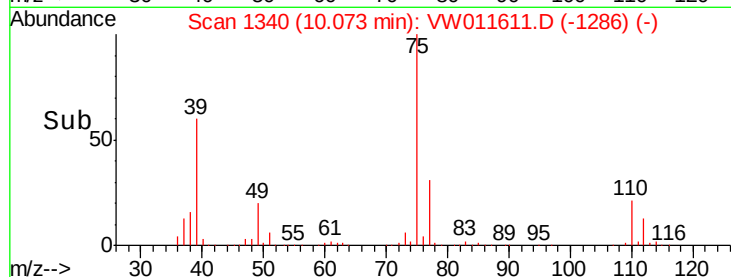
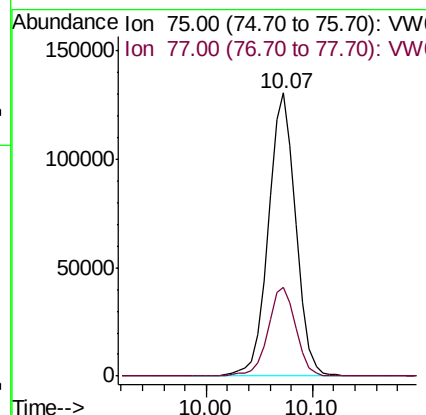
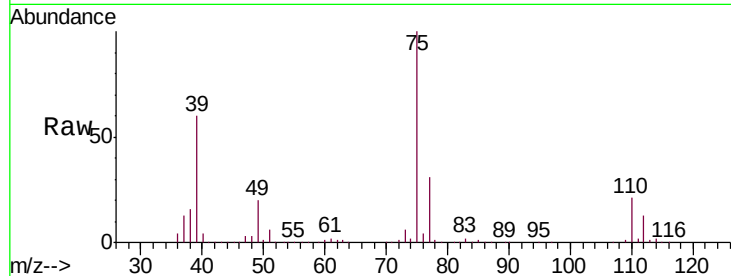




#42
 cis-1,3-Dichloropropene
 Concen: 27.809 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

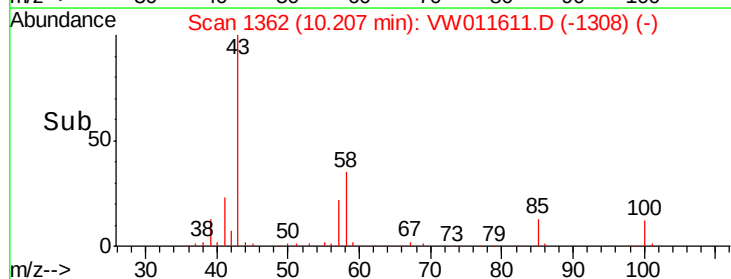
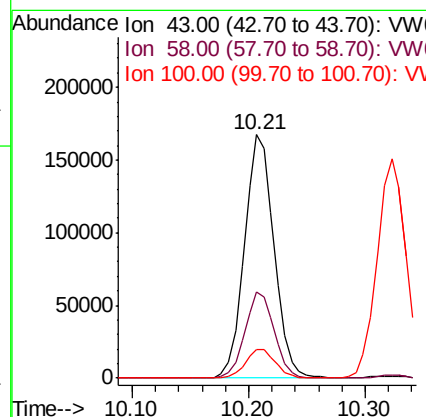
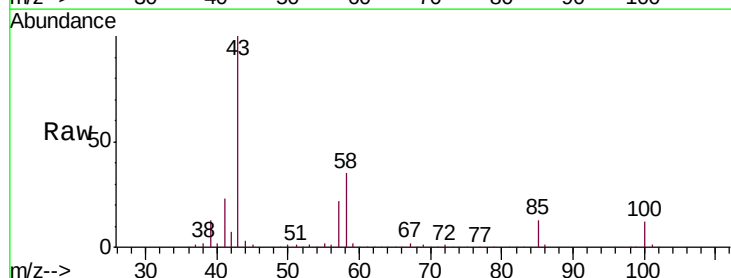
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

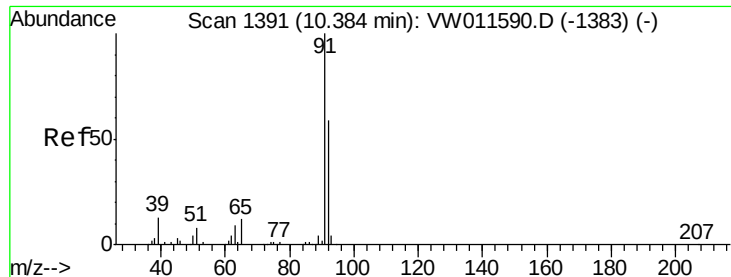
Tgt Ion: 75 Resp: 234774
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 57.972 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

Tgt Ion: 43 Resp: 296470
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.0 42.0
 100 12.0 9.4 14.2





#44

Toluene

Concen: 27.682 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

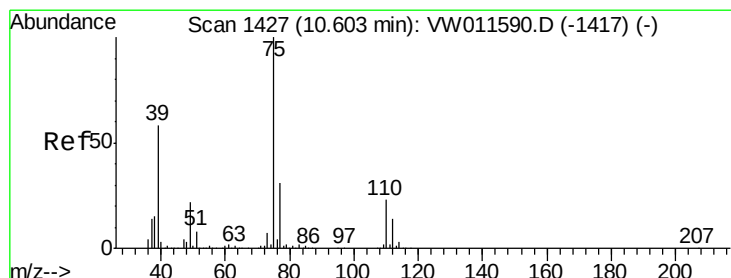
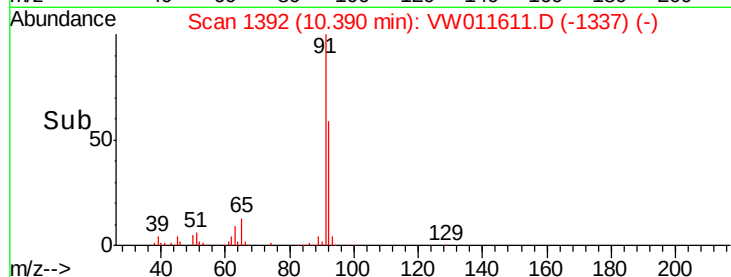
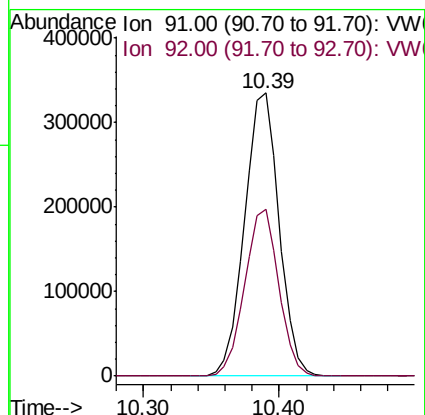
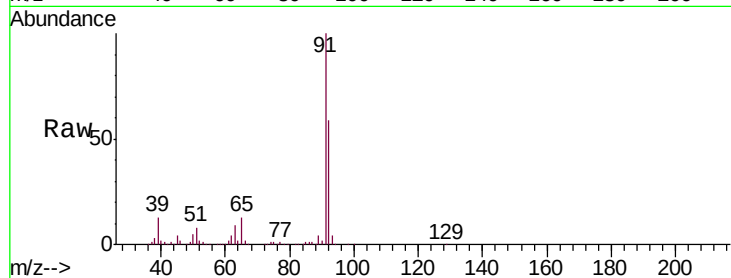
VSTD02529

Tgt Ion: 91 Resp: 594697

Ion Ratio Lower Upper

91 100

92 58.9 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 27.892 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011611.D

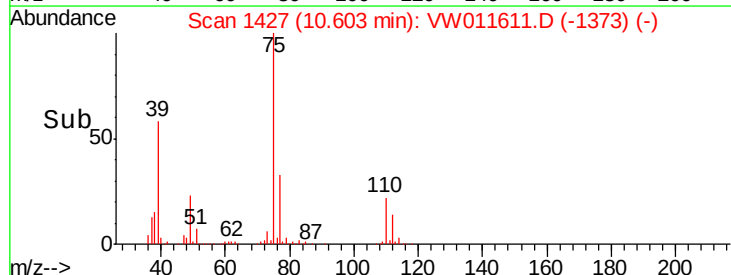
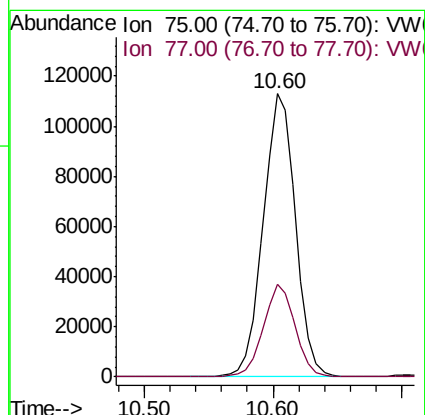
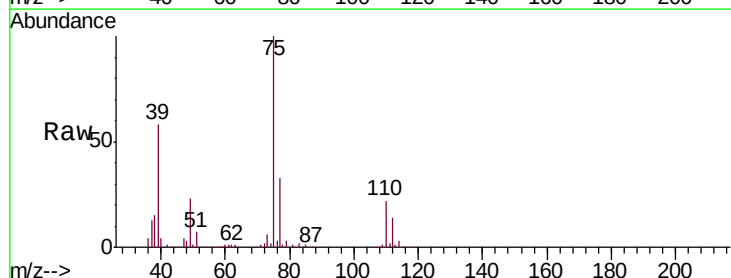
Acq: 02 Aug 2019 09:10

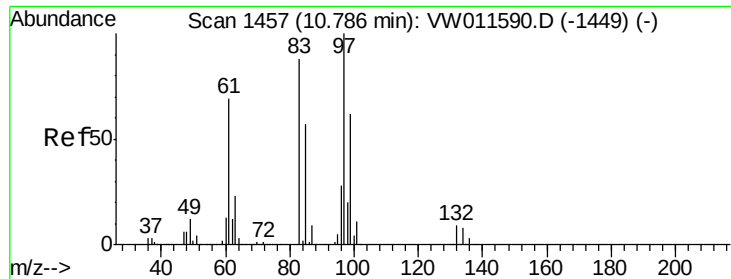
Tgt Ion: 75 Resp: 195918

Ion Ratio Lower Upper

75 100

77 32.7 21.6 40.0

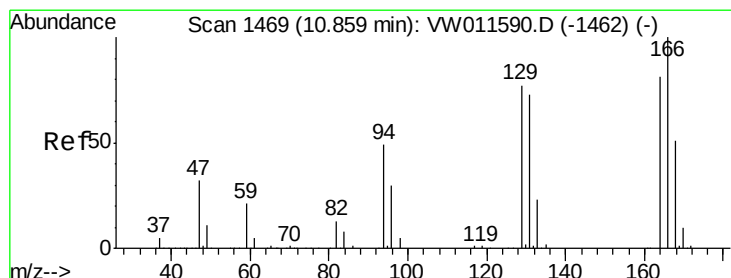
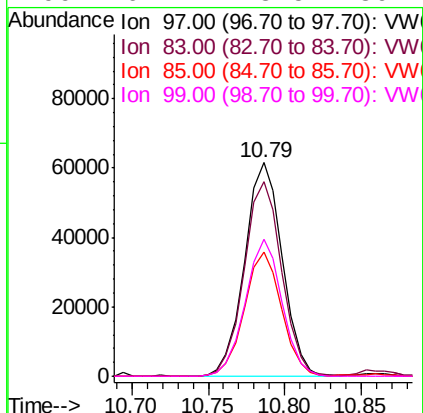
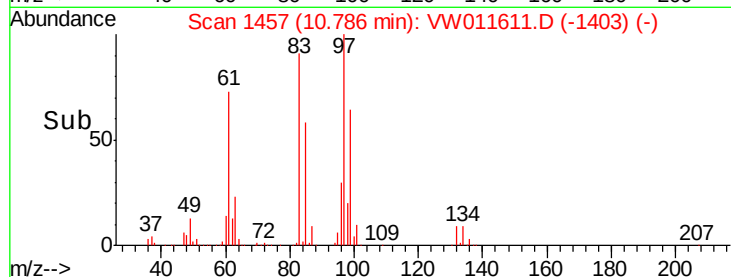
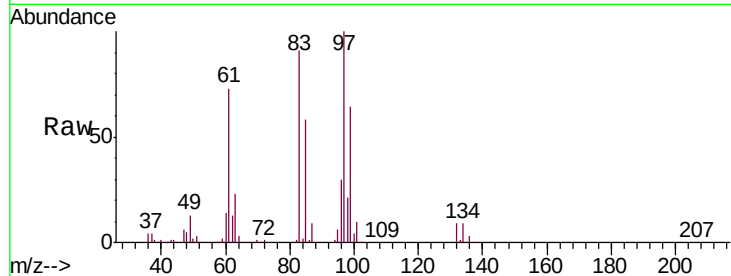




#46
1,1,2-Trichloroethane
Concen: 27.394 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

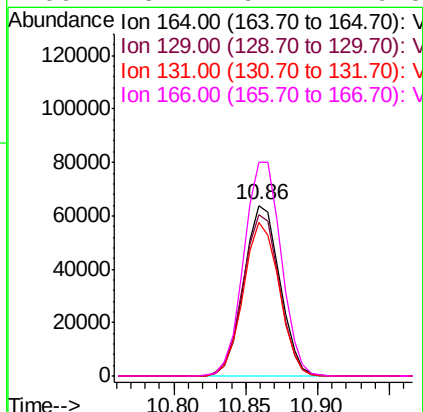
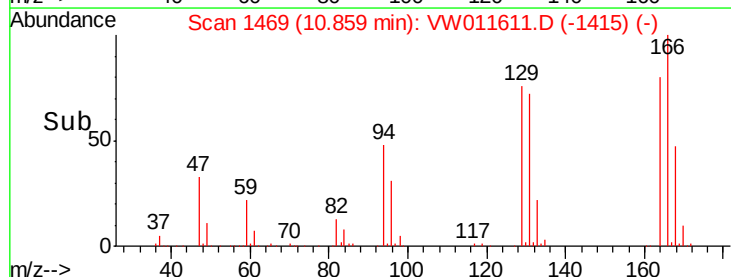
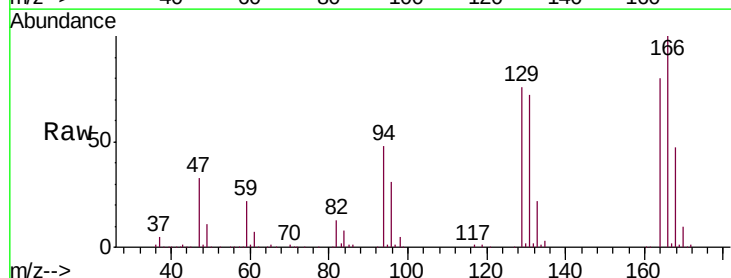
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

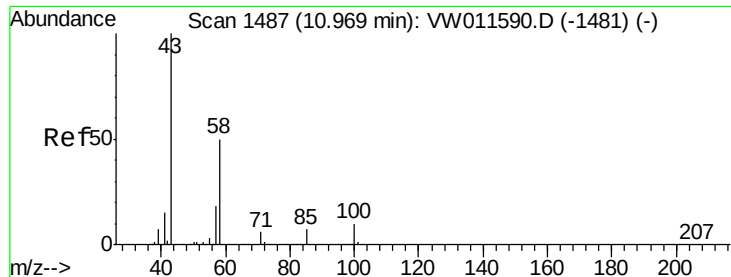
Tgt Ion:	97	Resp:	105416
Ion	Ratio	Lower	Upper
97	100		
83	91.0	63.8	118.6
85	58.0	39.3	72.9
99	64.2	43.5	80.7



#47
Tetrachloroethene
Concen: 26.950 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

Tgt Ion:	164	Resp:	110503
Ion	Ratio	Lower	Upper
164	100		
129	94.7	64.0	119.0
131	90.1	58.6	108.8
166	125.2	91.7	170.3

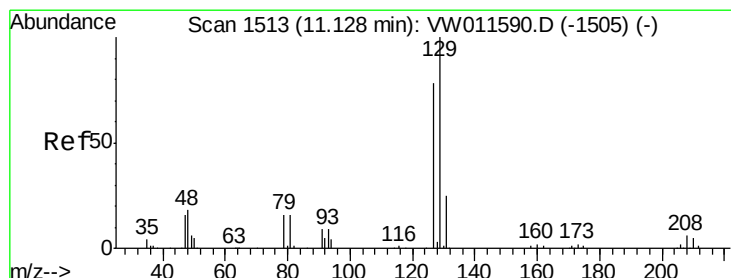
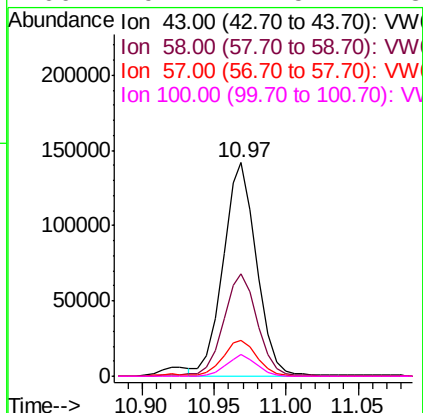
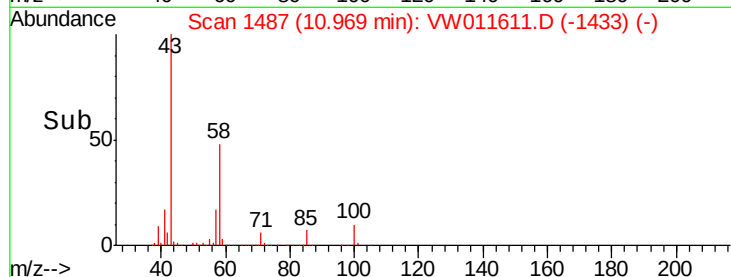
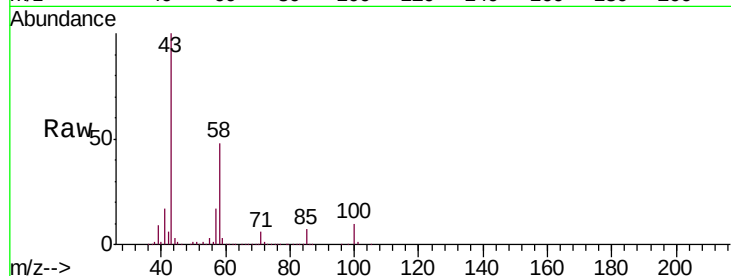




#49
2-Hexanone
Concen: 58.481 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

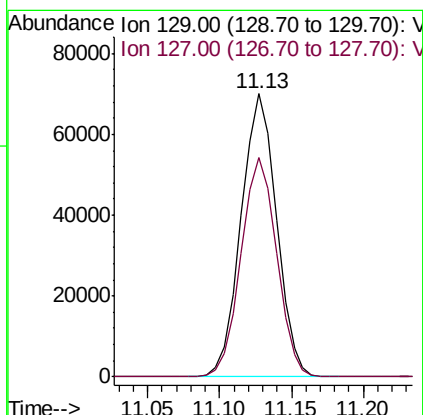
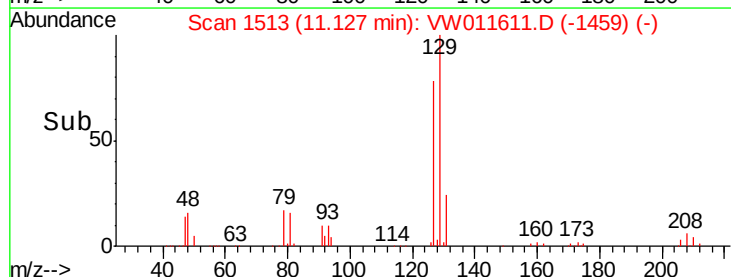
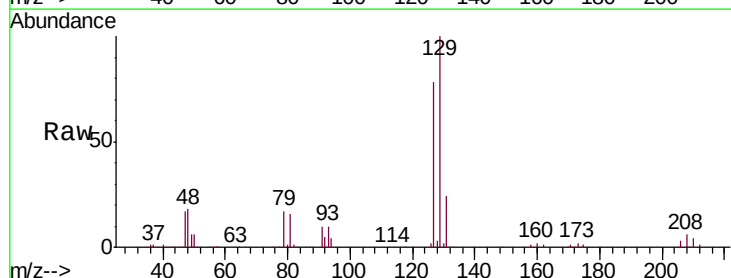
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

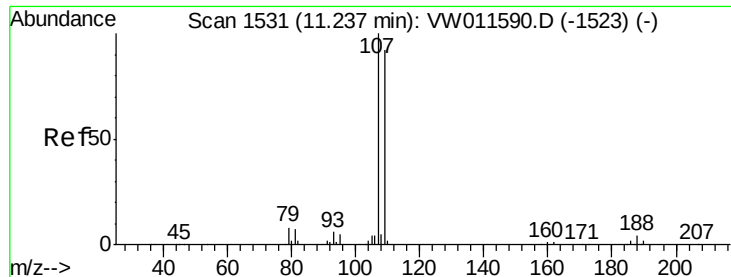
Tgt Ion:	43	Resp:	230417
Ion	Ratio	Lower	Upper
43	100		
58	49.1	38.6	57.8
57	17.1	13.0	19.6
100	9.4	7.5	11.3



#50
Dibromochloromethane
Concen: 28.145 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

Tgt Ion:	129	Resp:	119378
Ion	Ratio	Lower	Upper
129	100		
127	77.7	52.6	97.6

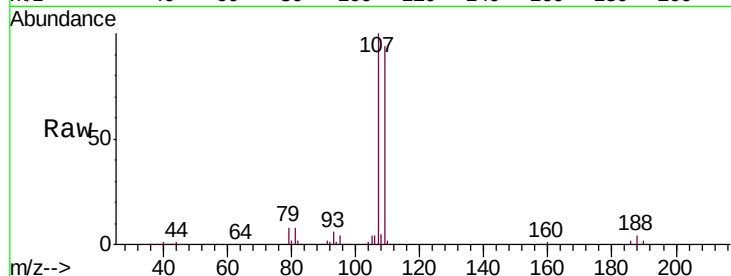




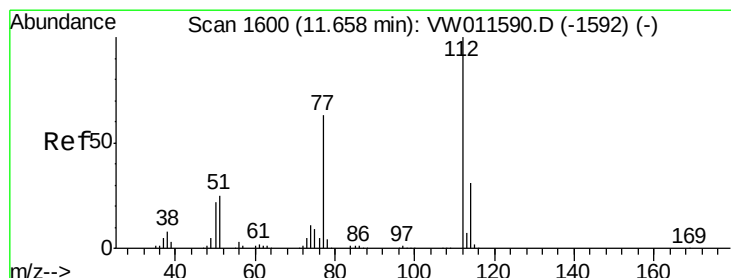
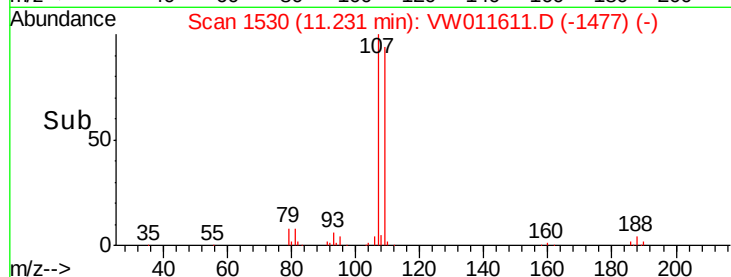
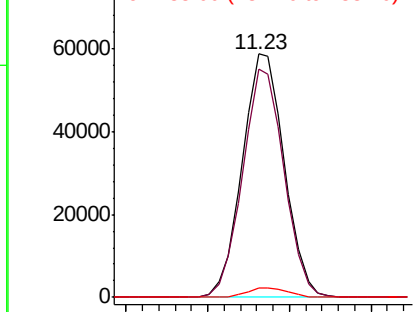
#51
 1,2-Dibromoethane
 Concen: 28.120 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	66.1	122.8
188	3.7	2.9	4.3

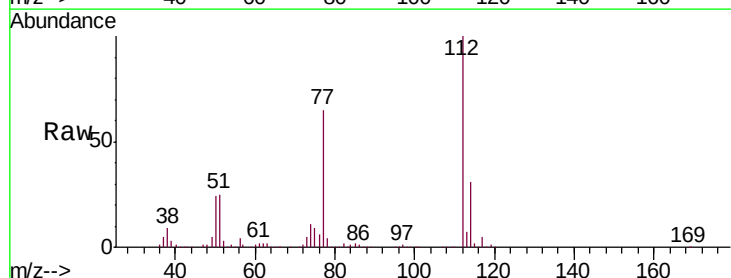


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

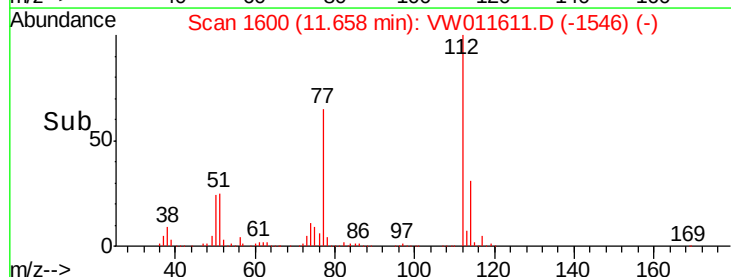
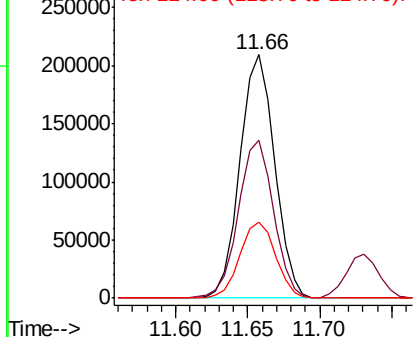


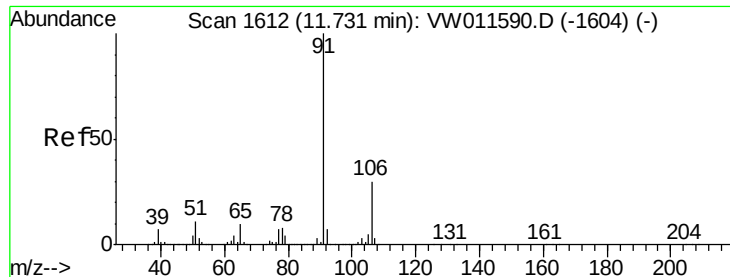
#52
 Chlorobenzene
 Concen: 27.063 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.7	51.0	76.4
114	31.3	22.4	41.6



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 77.00 (76.70 to 77.70): V
 Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 27.855 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

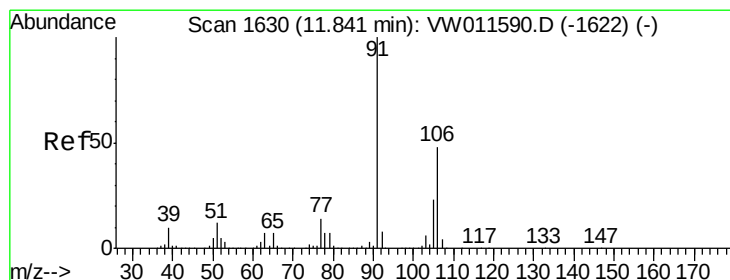
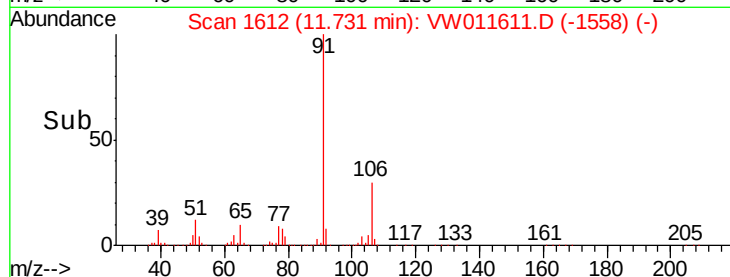
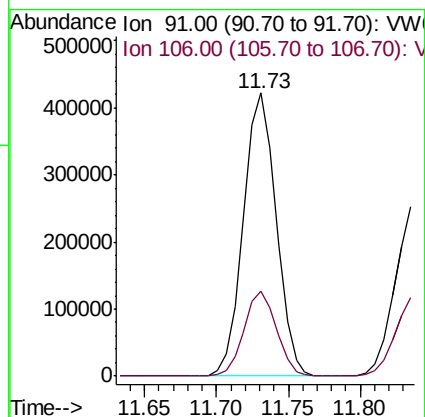
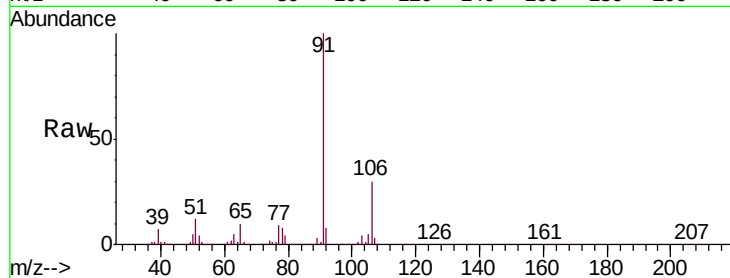
VSTD02529

Tgt Ion: 91 Resp: 667333

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.4



#54

m,p-Xylene

Concen: 27.747 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011611.D

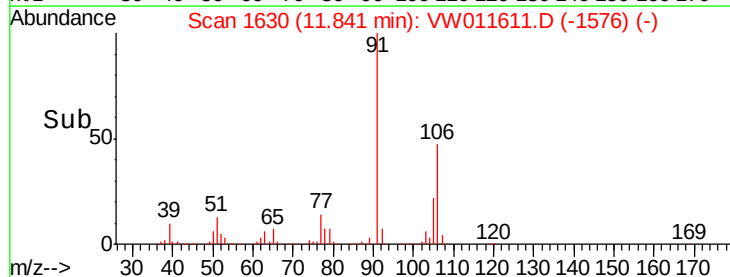
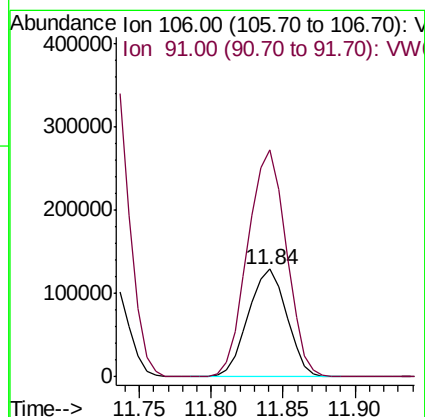
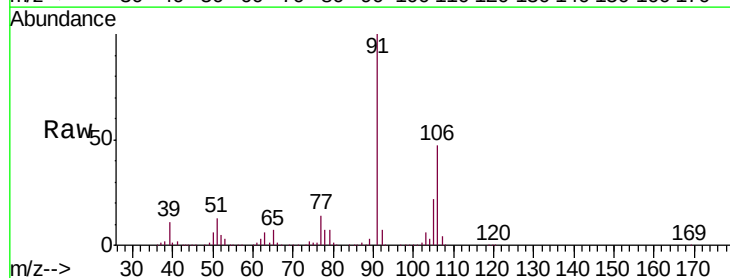
Acq: 02 Aug 2019 09:10

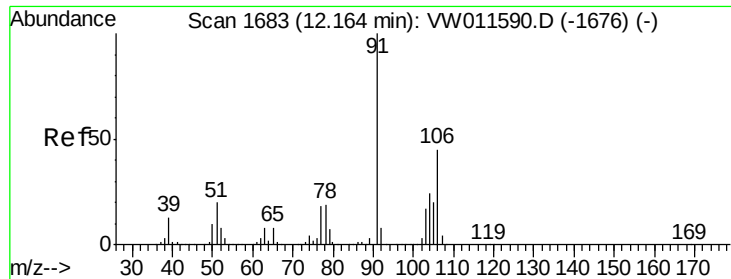
Tgt Ion: 106 Resp: 241723

Ion Ratio Lower Upper

106 100

91 210.9 149.6 277.8

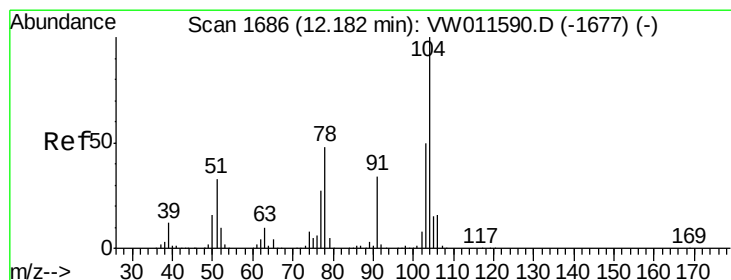
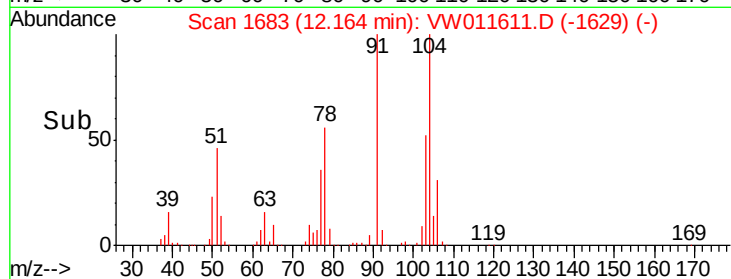
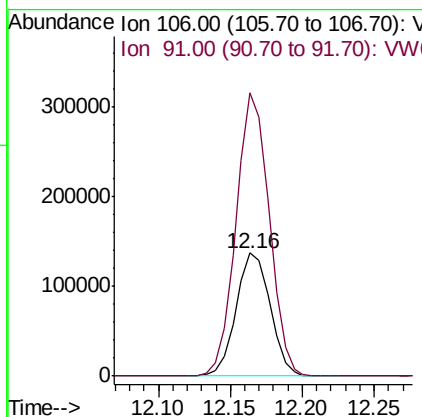
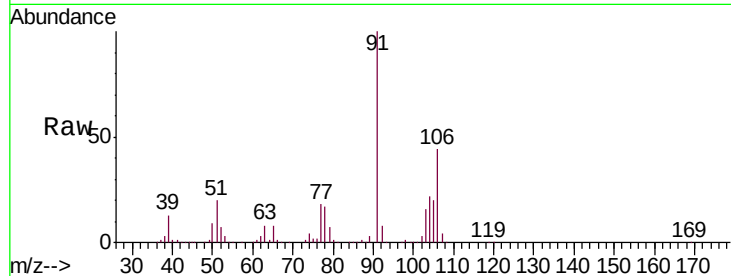




#55
o-xylene
Concen: 27.657 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

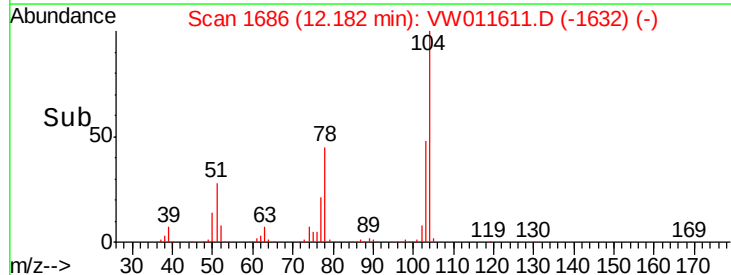
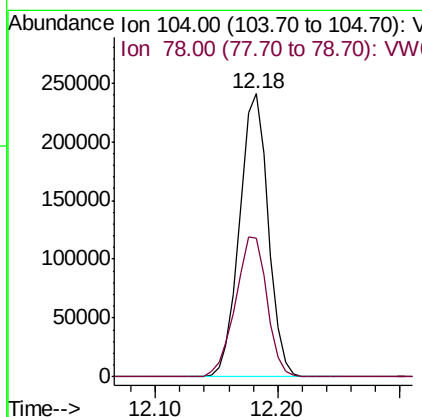
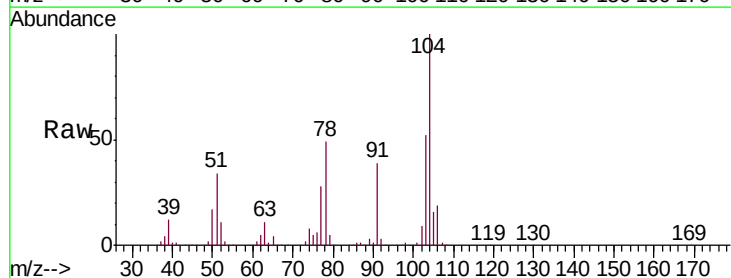
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

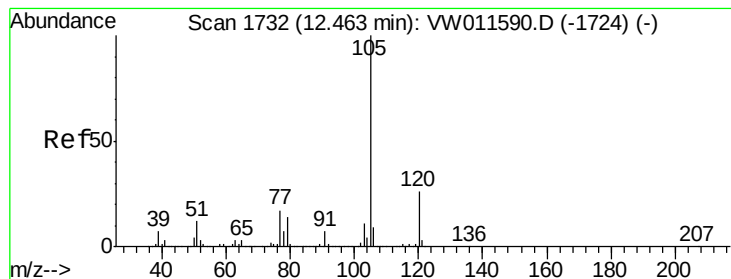
Tgt Ion:106 Resp: 226745
Ion Ratio Lower Upper
106 100
91 229.7 158.3 293.9



#56
Styrene
Concen: 28.040 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011611.D
Acq: 02 Aug 2019 09:10

Tgt Ion:104 Resp: 390829
Ion Ratio Lower Upper
104 100
78 49.2 32.9 61.1





#57

Isopropylbenzene

Concen: 27.957 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

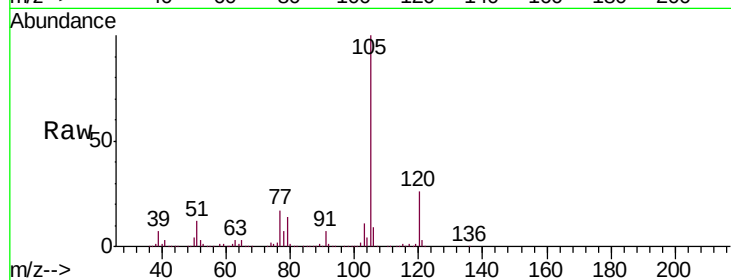
Tgt Ion:105 Resp: 630576

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

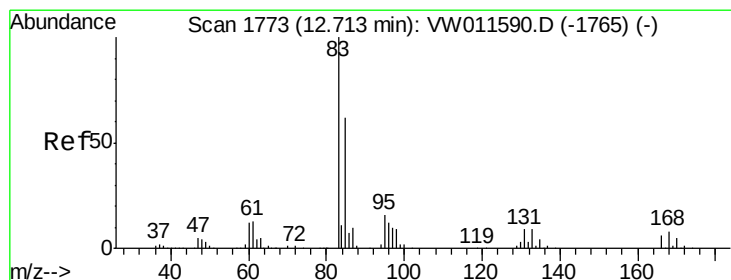
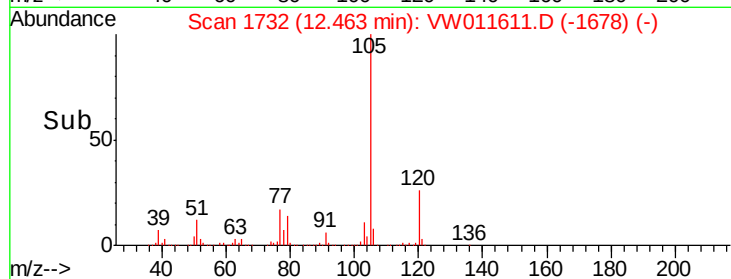
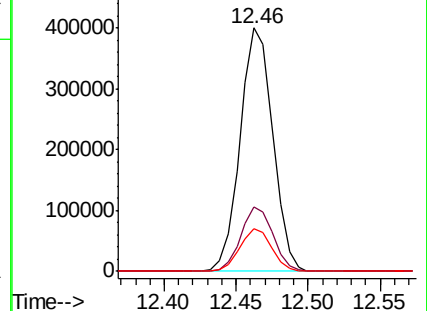
77 17.1 13.4 20.2



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: 28.121 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

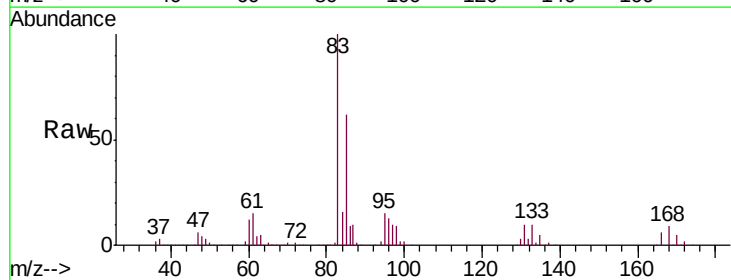
Tgt Ion: 83 Resp: 143809

Ion Ratio Lower Upper

83 100

85 62.5 43.5 80.9

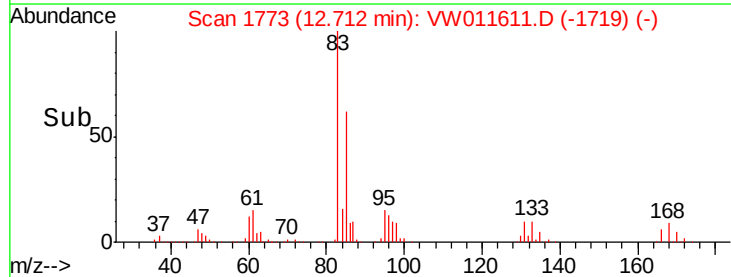
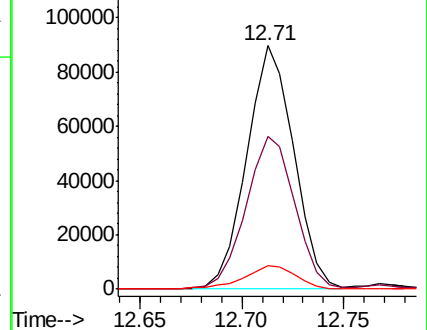
131 9.5 7.5 11.3

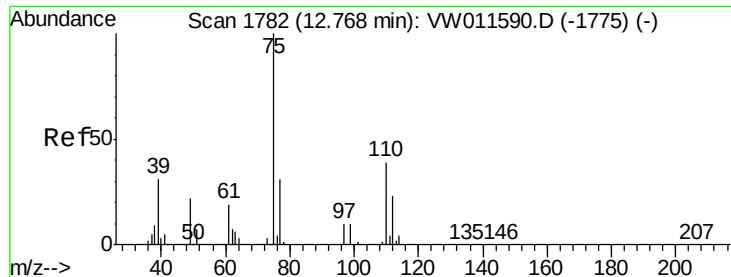


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.329 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

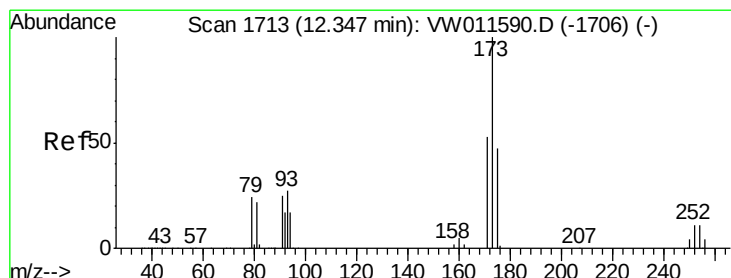
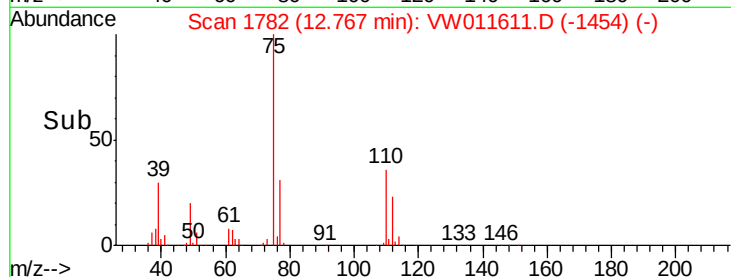
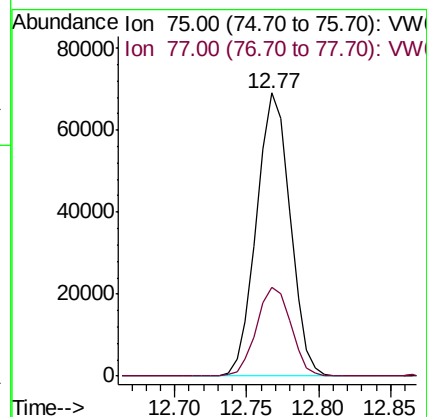
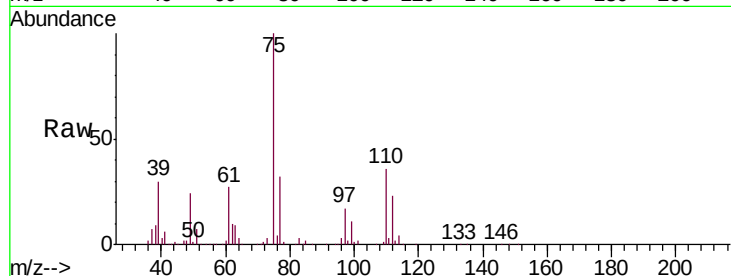
VSTD02529

Tgt Ion: 75 Resp: 111734

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7



#62

Bromoform

Concen: 27.599 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

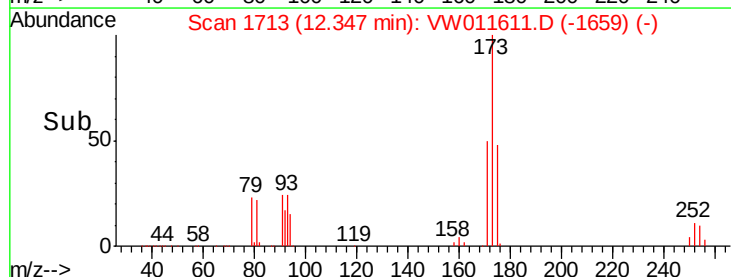
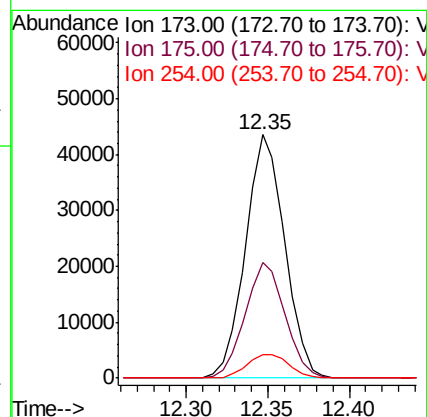
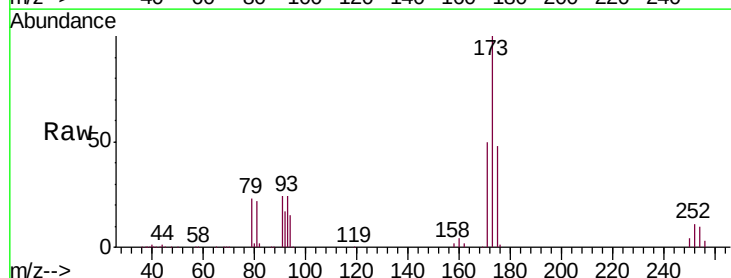
Tgt Ion: 173 Resp: 72866

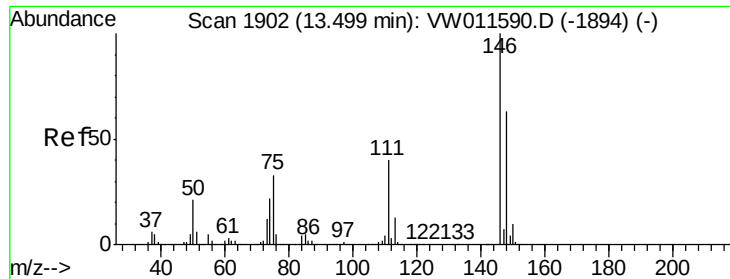
Ion Ratio Lower Upper

173 100

175 48.2 39.4 59.0

254 10.5 9.0 13.6

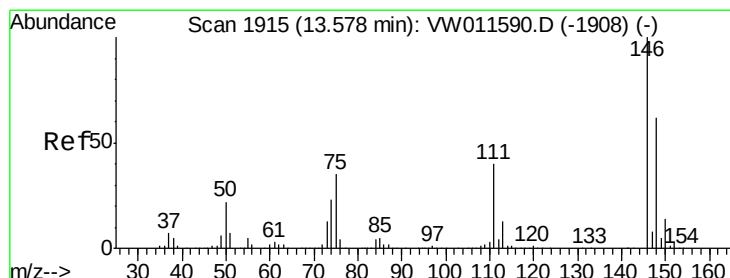
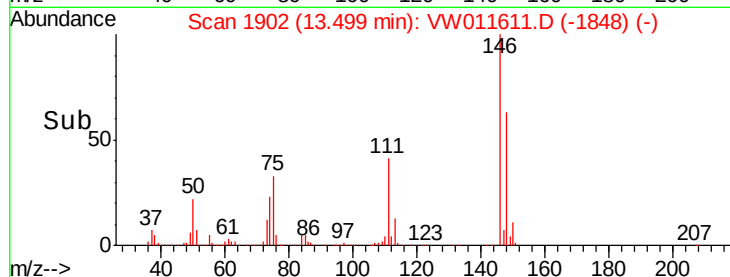
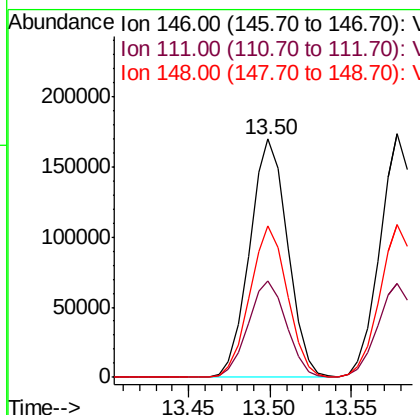
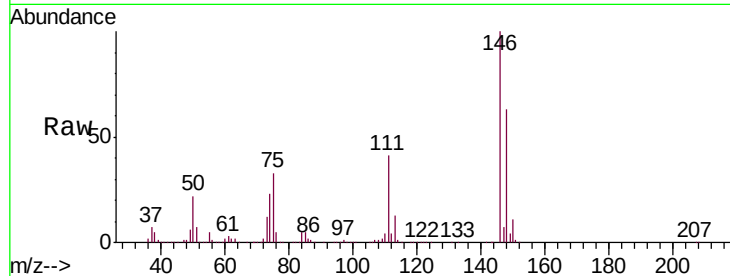




#63
 1,3-Dichlorobenzene
 Concen: 27.413 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

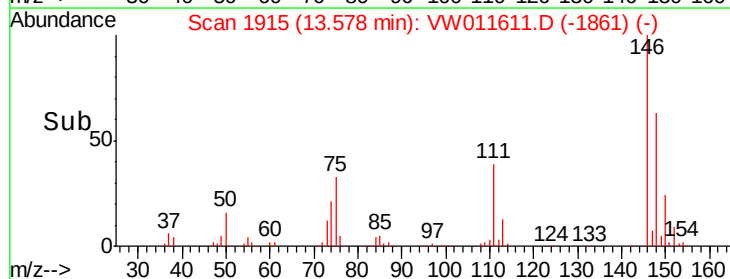
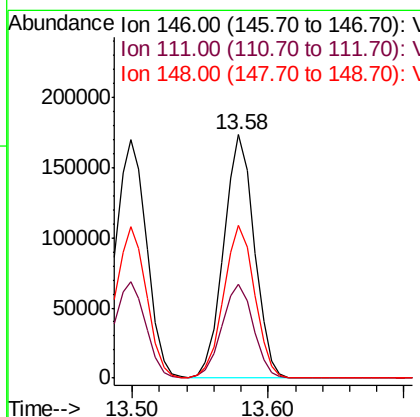
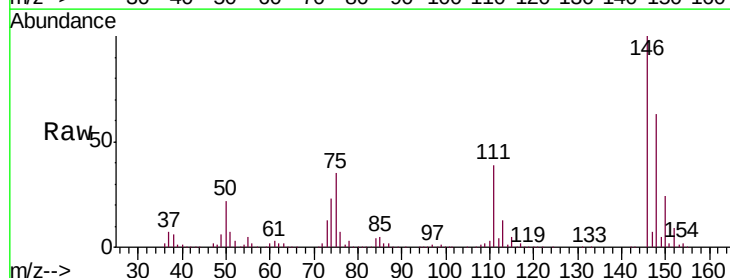
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

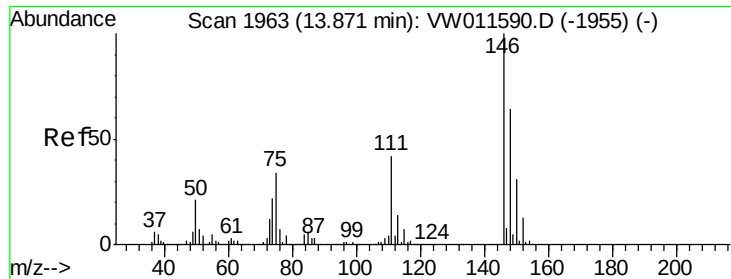
Tgt Ion:146 Resp: 274561
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.6 53.2
 148 63.3 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 26.980 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

Tgt Ion:146 Resp: 271364
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.4 51.0
 148 62.7 44.4 82.5

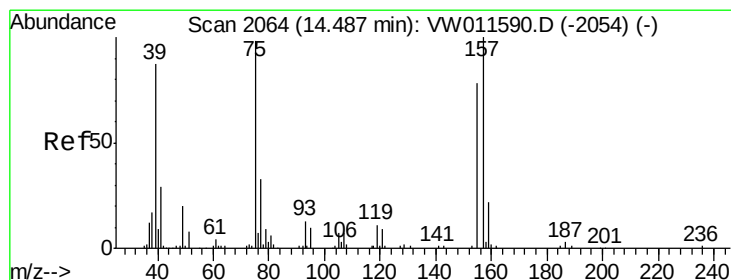
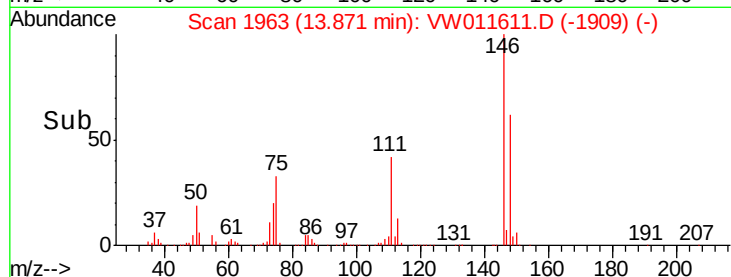
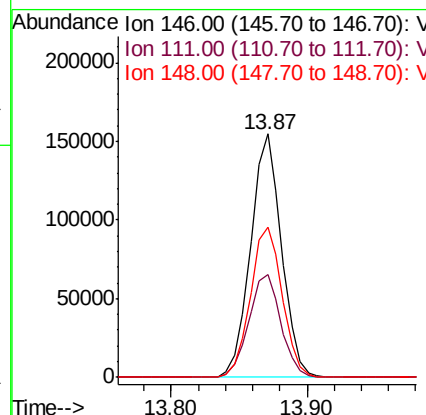
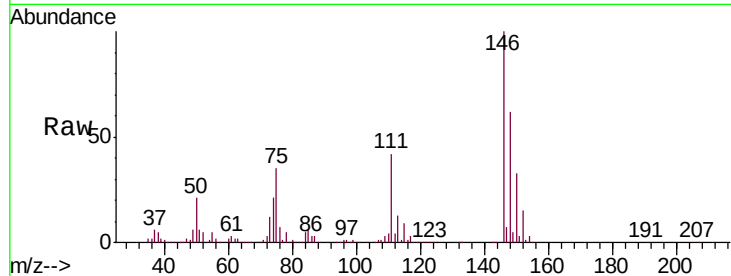




#65
 1,2-Dichlorobenzene
 Concen: 27.034 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

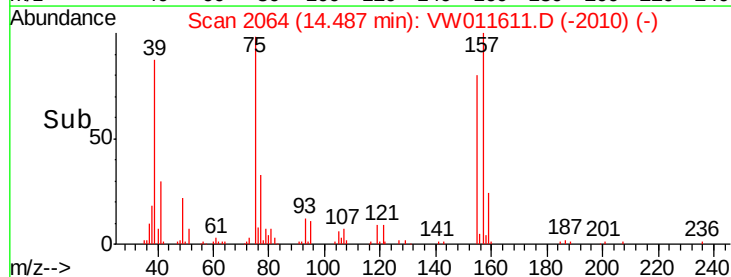
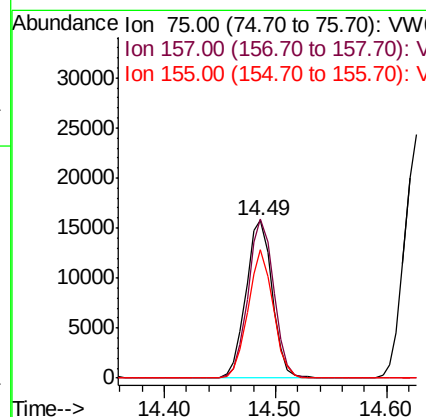
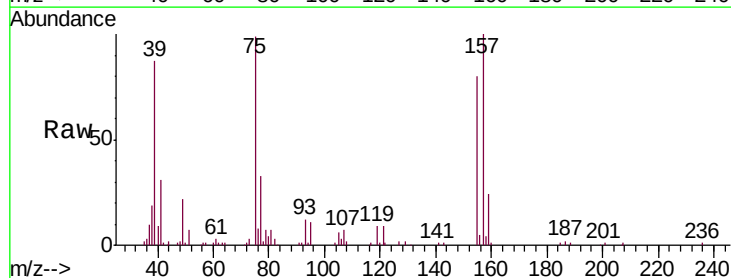
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

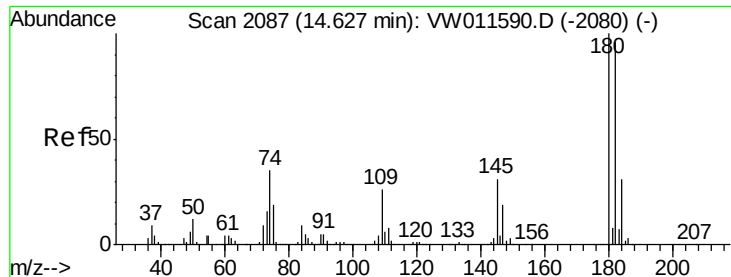
Tgt Ion: 146 Resp: 245182
 Ion Ratio Lower Upper
 146 100
 111 42.3 34.6 51.8
 148 61.9 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.509 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011611.D
 Acq: 02 Aug 2019 09:10

Tgt Ion: 75 Resp: 25822
 Ion Ratio Lower Upper
 75 100
 157 101.5 79.3 118.9
 155 81.3 59.9 89.9





#67

1,3,5-Trichlorobenzene

Concen: 27.812 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tgt Ion:180 Resp: 205032

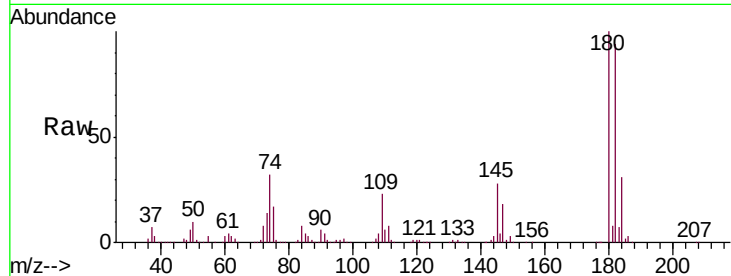
Ion Ratio Lower Upper

180 100

182 94.7 75.9 113.9

184 30.2 24.2 36.2

145 29.7 23.0 34.6

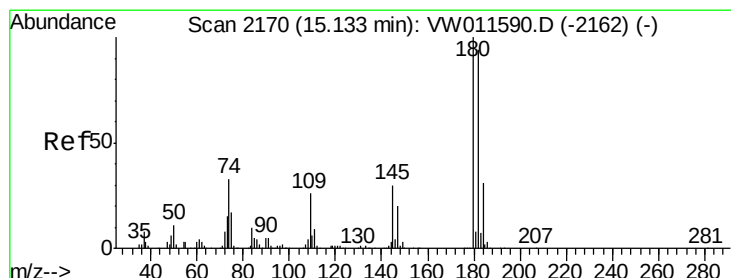
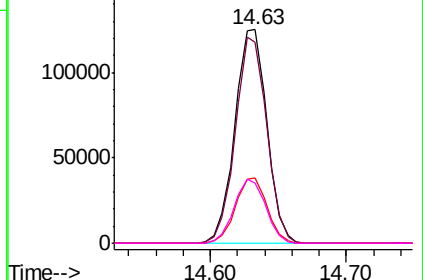
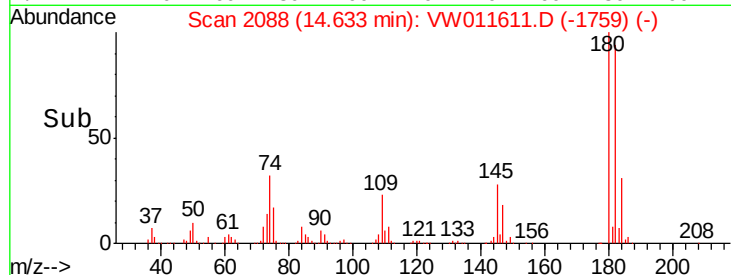


Abundance Ion 180.00 (179.70 to 180.70): V

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: 29.013 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

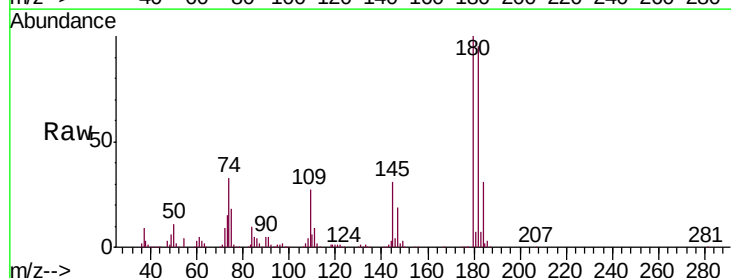
Tgt Ion:180 Resp: 172249

Ion Ratio Lower Upper

180 100

182 94.0 77.3 115.9

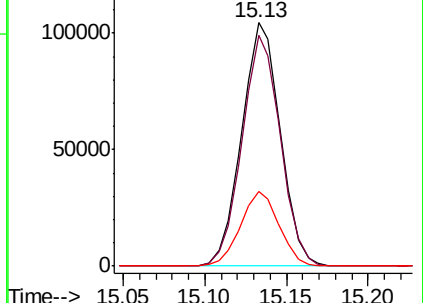
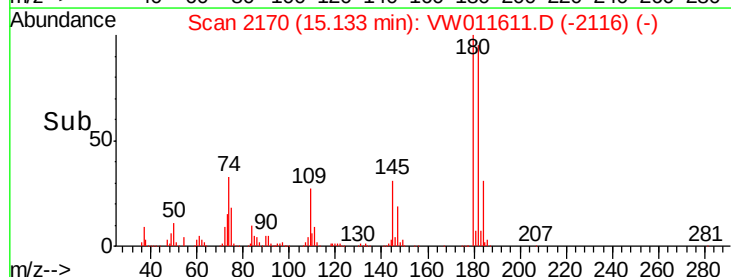
145 30.5 24.3 36.5

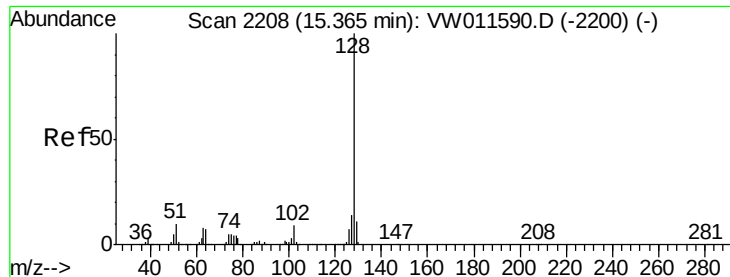


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.916 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

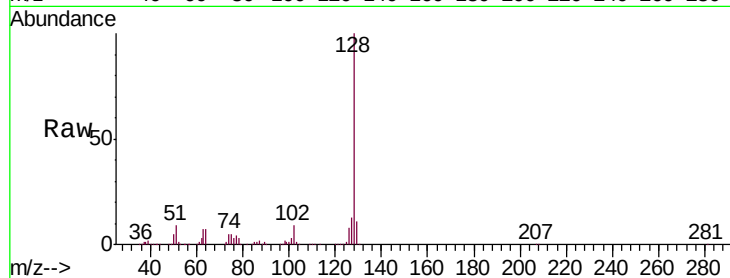
Tgt Ion:128 Resp: 357672

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

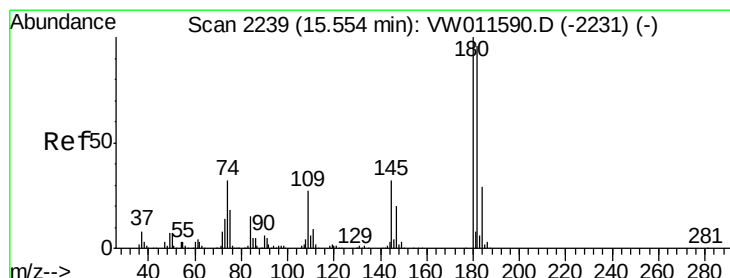
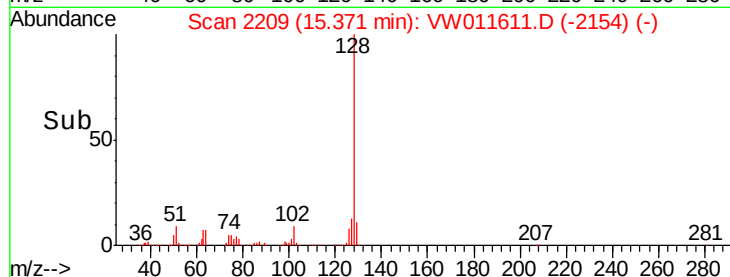
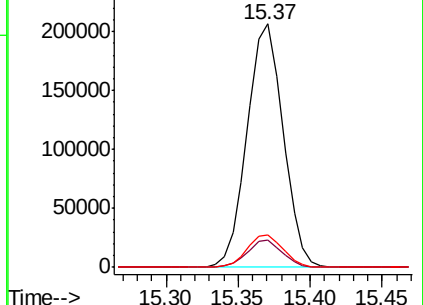
127 13.4 10.6 16.0



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: 28.412 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW011611.D

Acq: 02 Aug 2019 09:10

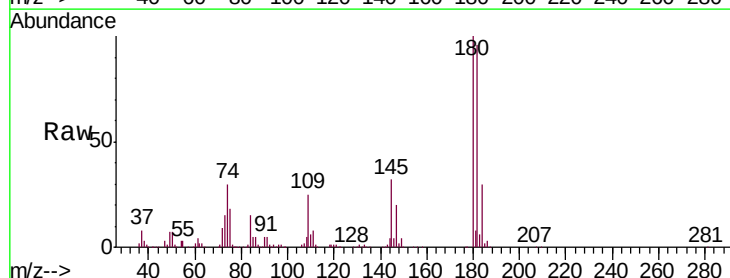
Tgt Ion:180 Resp: 156226

Ion Ratio Lower Upper

180 100

182 95.2 74.9 112.3

145 32.1 25.6 38.4



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

