

Data File : VW011632.D
Acq On : 02 Aug 2019 19:12
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

Quant Time: Aug 03 02:27:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 03 02:22:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	365470	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	328325	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162026	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	104124	20.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.92%
7) Chloroethane-d5	2.89	69	80973	21.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.36%
10) 1,1-Dichloroethene-d2	4.03	63	267091	22.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.56%
20) 2-Butanone-d5	7.07	46	97592	42.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.22%
24) Chloroform-d	7.65	84	234910	23.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	8.31	65	137106	23.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.32%
29) Benzene-d6	8.27	84	462374	22.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.56%
33) 1,2-Dichloropropane-d6	9.27	67	152881	22.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.76%
37) Toluene-d8	10.32	98	414990	22.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.60%
38) trans-1,3-Dichloropropene-	10.58	79	62682	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.84%
39) 2-Hexanone-d5	10.92	63	66663	42.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122807	22.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	139532	22.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	108790	26.561	ug/L 98
3) Chloromethane	2.21	50	127770	23.982	ug/L 100
5) Vinyl chloride	2.36	62	169011	24.864	ug/L 98
6) Bromomethane	2.78	94	82250	25.666	ug/L 99
8) Chloroethane	2.92	64	92905	26.133	ug/L 100
9) Trichlorofluoromethane	3.25	101	82427	23.804	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136979	26.093	ug/L 99
12) 1,1-Dichloroethene	4.04	96	135221	25.761	ug/L 96
13) Acetone	4.12	43	102225	41.191	ug/L 99
14) Carbon disulfide	4.39	76	431933	25.265	ug/L 100
15) Methyl Acetate	4.66	43	95688	23.582	ug/L 100
16) Methylene chloride	4.92	84	150990	26.474	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	216317	24.747	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	143403	26.443	ug/L 99
19) 1,1-Dichloroethane	6.21	63	294236	27.159	ug/L 98
21) 2-Butanone	7.17	43	141449	45.459	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	153374	27.032	ug/L 99

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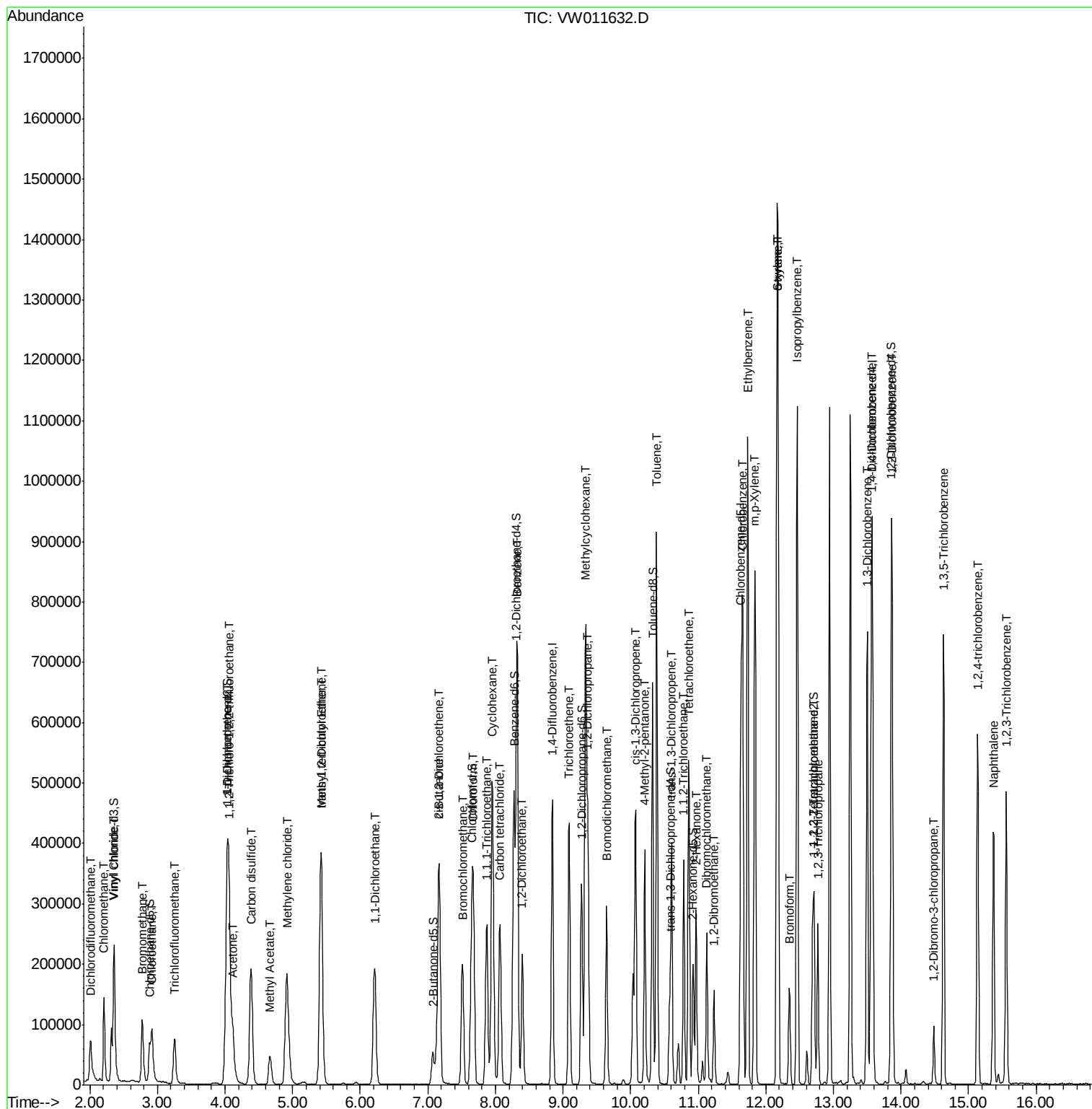
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	63994	26.509	ug/L	98
25) Chloroform	7.67	83	271755	27.215	ug/L	100
27) 1,2-Dichloroethane	8.40	62	200004	27.056	ug/L	99
30) Cyclohexane	7.95	56	295145	25.861	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	212705	26.588	ug/L	99
32) Carbon tetrachloride	8.07	117	198157	26.329	ug/L	99
34) Benzene	8.32	78	611647	26.584	ug/L	100
35) Trichloroethene	9.09	95	152784	26.157	ug/L	100
36) Methylcyclohexane	9.34	83	277657	26.203	ug/L	99
40) 1,2-Dichloropropane	9.37	63	165924	27.017	ug/L	100
41) Bromodichloromethane	9.64	83	197695	27.279	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	249525	27.163	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	272572	48.984	ug/L	100
44) Toluene	10.38	91	637719	27.282	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	203070	26.569	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	109655	26.188	ug/L	98
47) Tetrachloroethene	10.86	164	116589	26.132	ug/L	95
49) 2-Hexanone	10.97	43	195459	45.592	ug/L	99
50) Dibromochloromethane	11.13	129	126054	27.312	ug/L	99
51) 1,2-Dibromoethane	11.24	107	105546	25.904	ug/L	98
52) Chlorobenzene	11.66	112	380221	26.960	ug/L	100
53) Ethylbenzene	11.73	91	717141	27.510	ug/L	100
54) m,p-Xylene	11.84	106	258228	27.242	ug/L	100
55) o-xylene	12.16	106	244264	27.381	ug/L	98
56) Styrene	12.18	104	424981	28.021	ug/L	99
57) Isopropylbenzene	12.46	105	675370	27.519	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	139704	25.107	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	106547	24.826	ug/L	99
62) Bromoform	12.35	173	72295	24.940	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	292686	26.615	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	292889	26.522	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	259350	26.045	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24280	23.558	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	216975	26.807	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	181804	27.890	ug/L	97
69) Naphthalene	15.37	128	344449	26.239	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	162422	26.903	ug/L	99

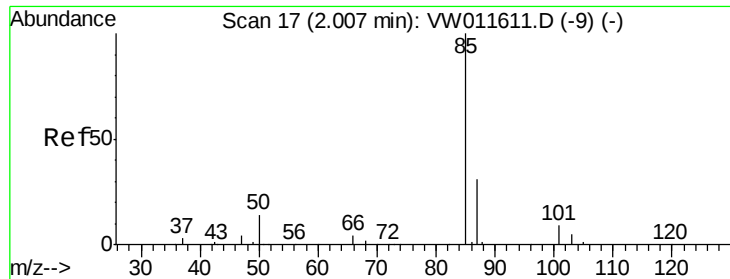
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.561 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

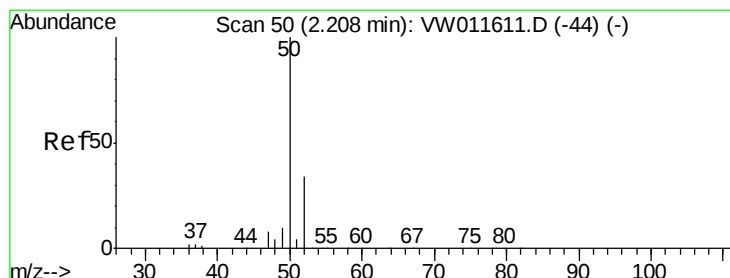
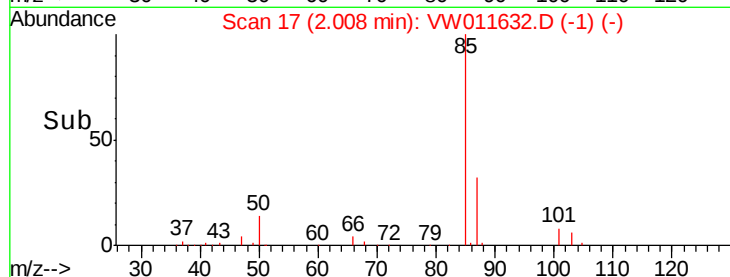
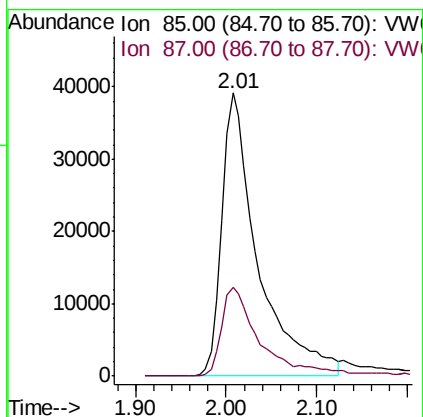
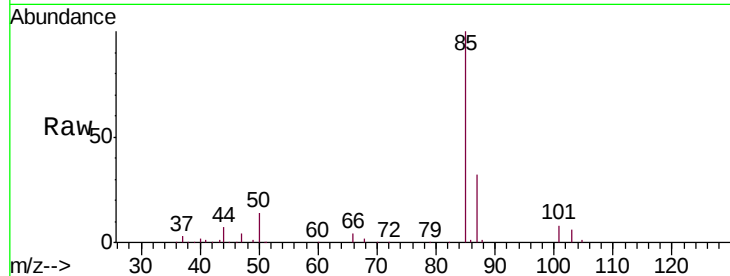
VSTD02530

Tgt Ion: 85 Resp: 108790

Ion Ratio Lower Upper

85 100

87 29.9 21.8 40.6



#3

Chloromethane

Concen: 23.982 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011632.D

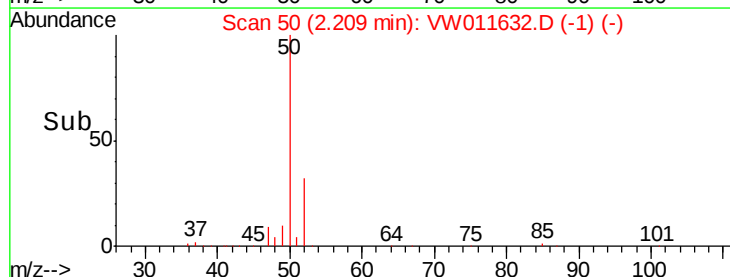
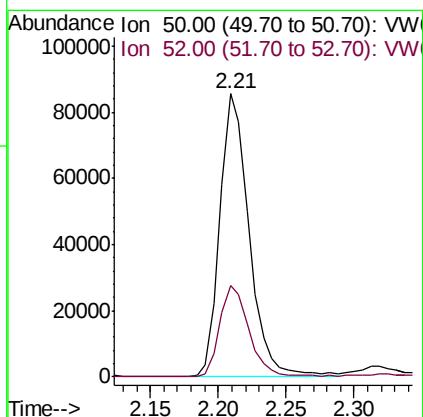
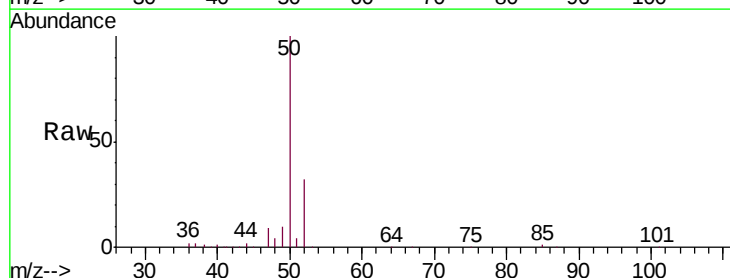
Acq: 02 Aug 2019 19:12

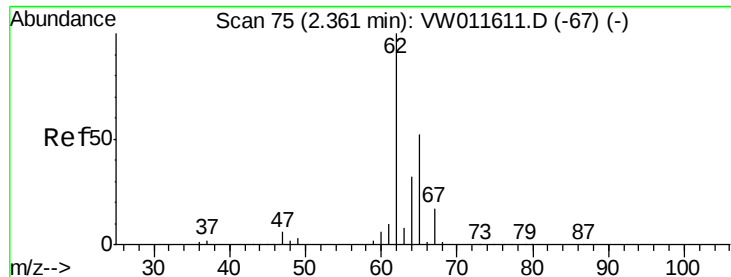
Tgt Ion: 50 Resp: 127770

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1





#5

Vinyl chloride

Concen: 24.864 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

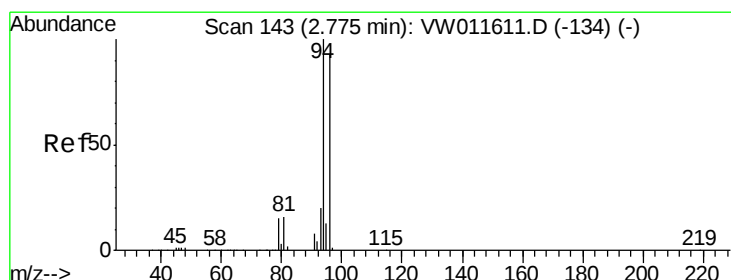
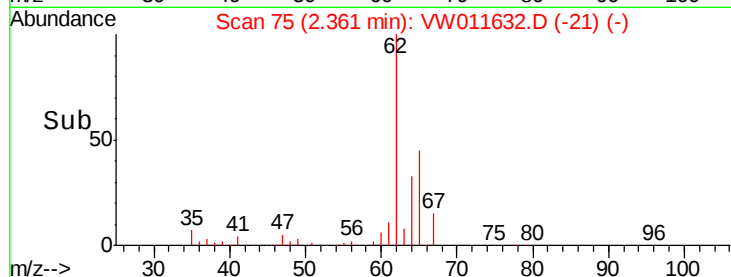
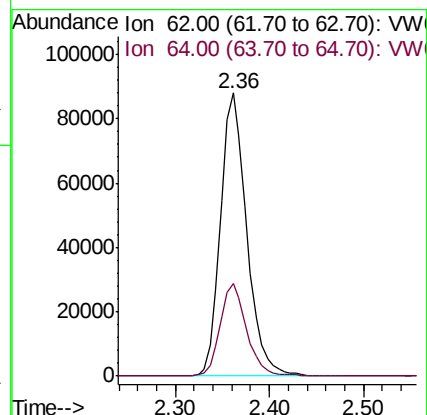
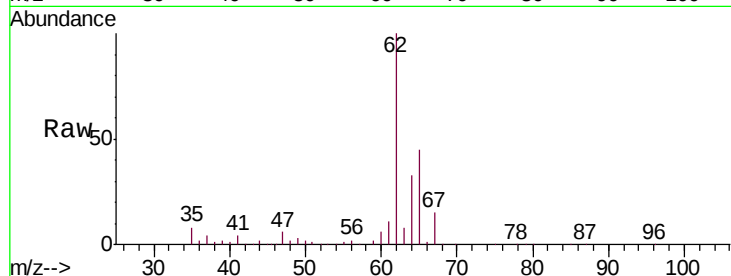
VSTD02530

Tgt Ion: 62 Resp: 169011

Ion Ratio Lower Upper

62 100

64 32.7 23.6 43.8



#6

Bromomethane

Concen: 25.666 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011632.D

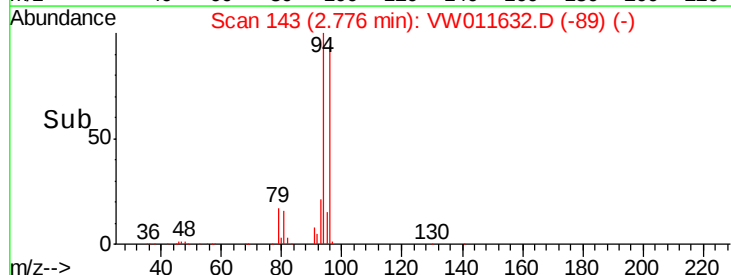
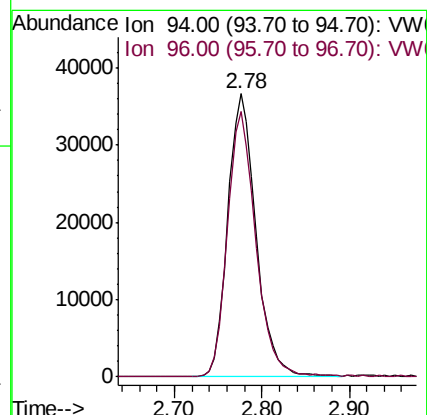
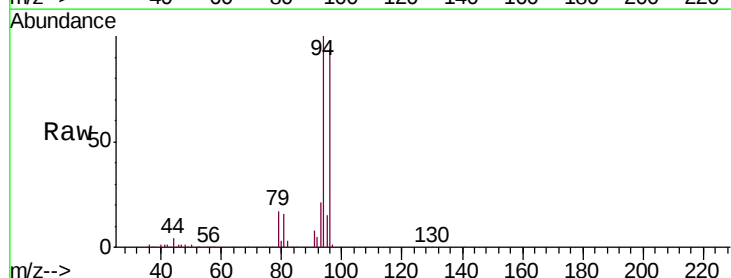
Acq: 02 Aug 2019 19:12

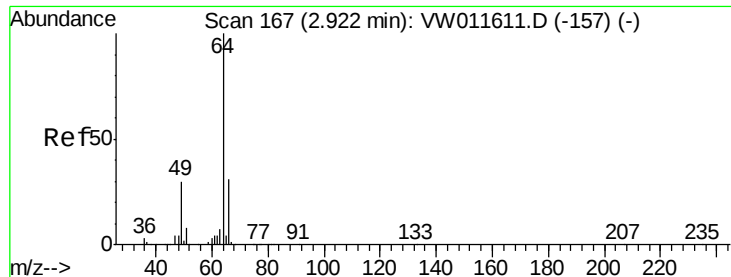
Tgt Ion: 94 Resp: 82250

Ion Ratio Lower Upper

94 100

96 93.9 9.3 175.9





#8

Chloroethane

Concen: 26.133 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

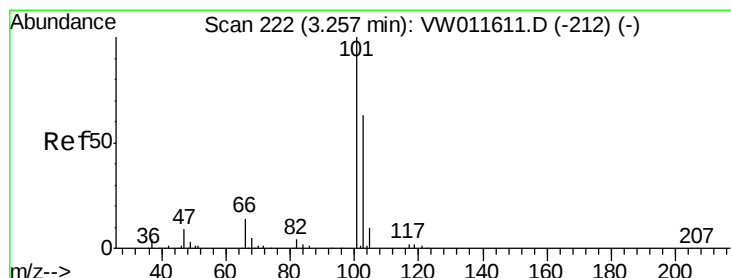
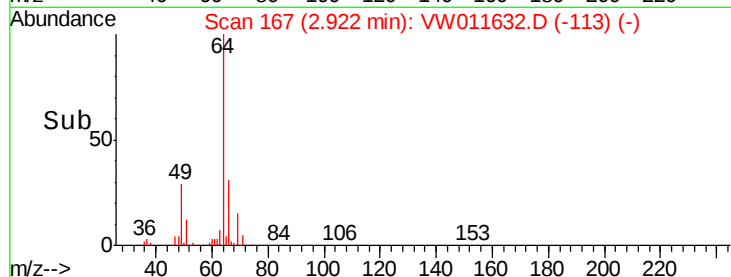
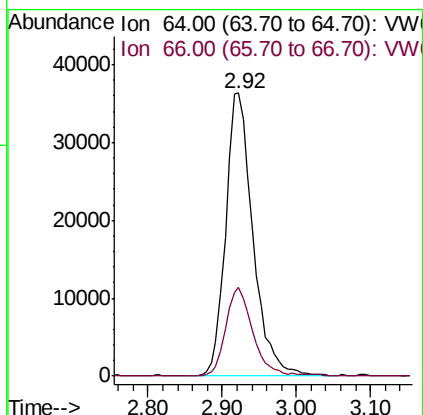
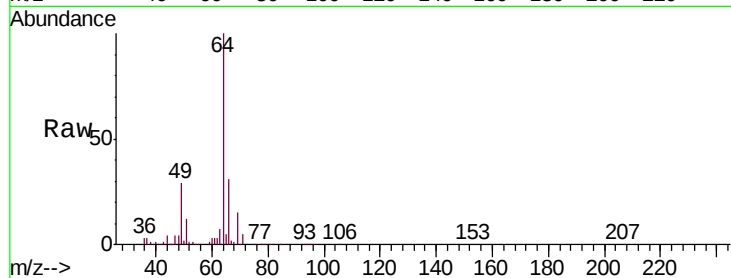
VSTD02530

Tgt Ion: 64 Resp: 92905

Ion Ratio Lower Upper

64 100

66 31.3 22.0 40.8



#9

Trichlorofluoromethane

Concen: 23.804 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW011632.D

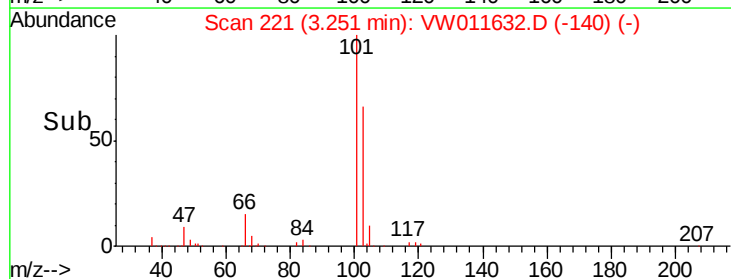
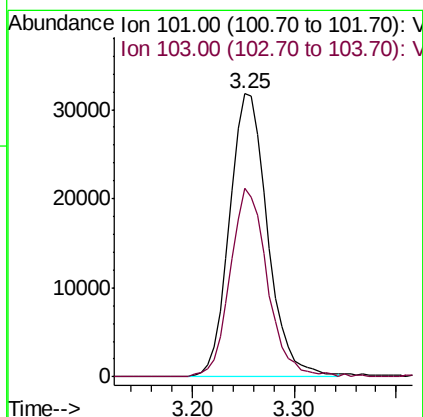
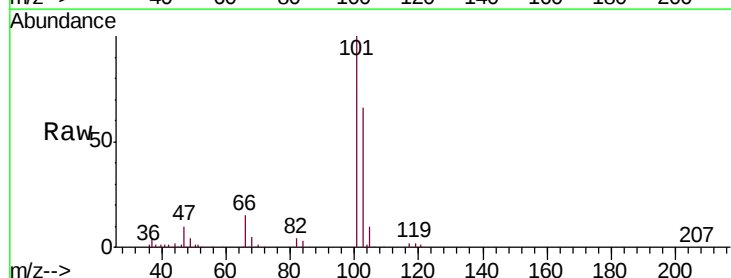
Acq: 02 Aug 2019 19:12

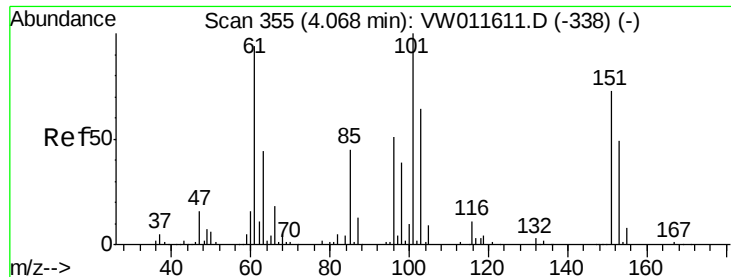
Tgt Ion: 101 Resp: 82427

Ion Ratio Lower Upper

101 100

103 64.6 44.3 82.3





#11

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

Concen: 26.093 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

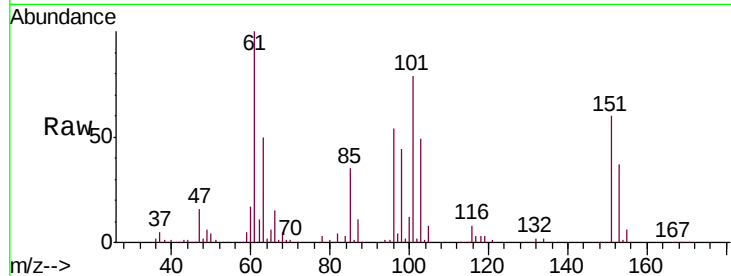
Tgt Ion:101 Resp: 136979

Ion Ratio Lower Upper

101 100

85 45.7 37.0 55.4

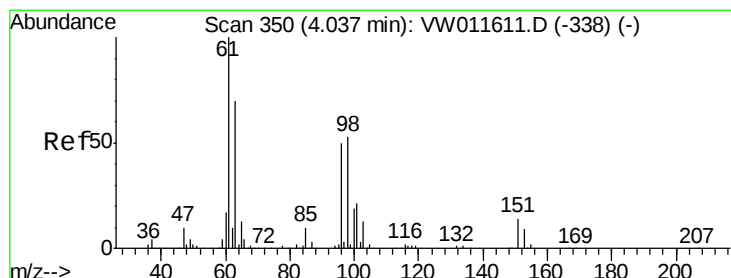
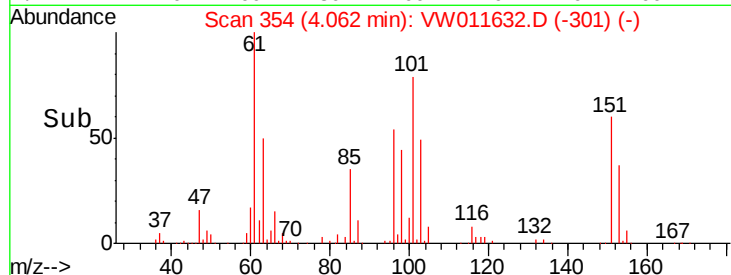
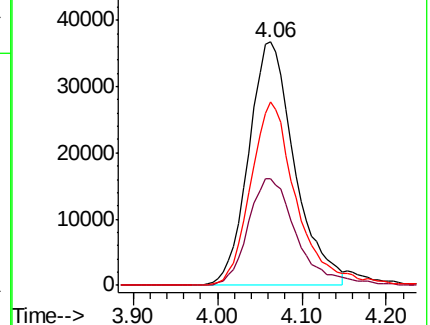
151 74.4 60.8 91.2



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: 25.761 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

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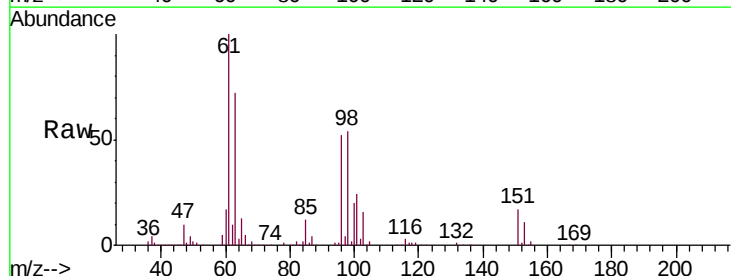
Tgt Ion: 96 Resp: 135221

Ion Ratio Lower Upper

96 100

61 192.2 135.0 250.8

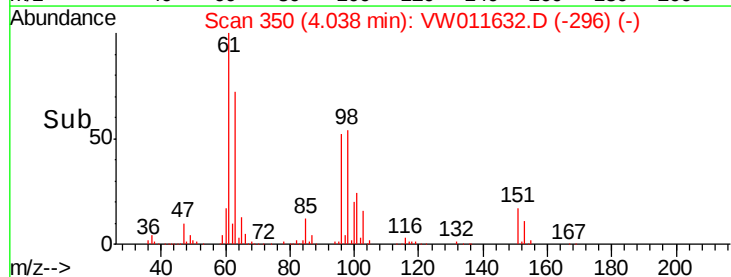
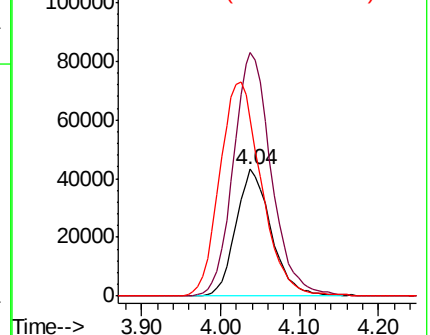
63 139.3 89.2 165.8

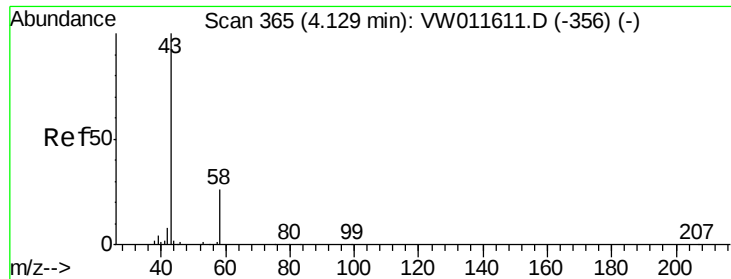


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

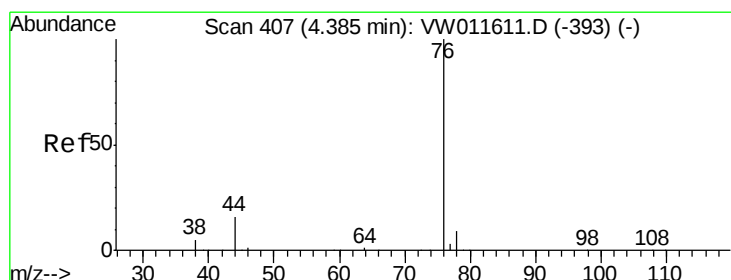
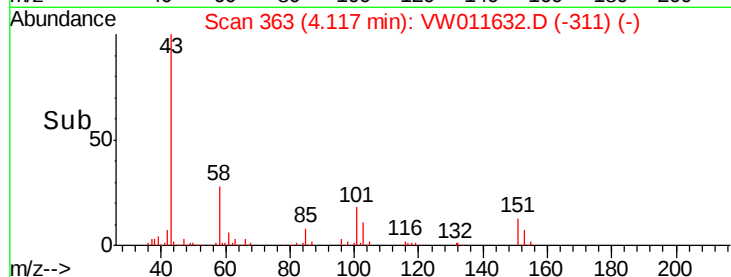
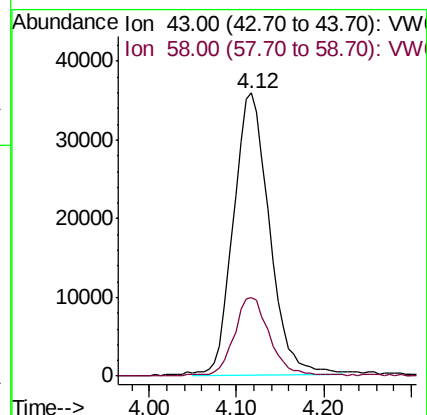
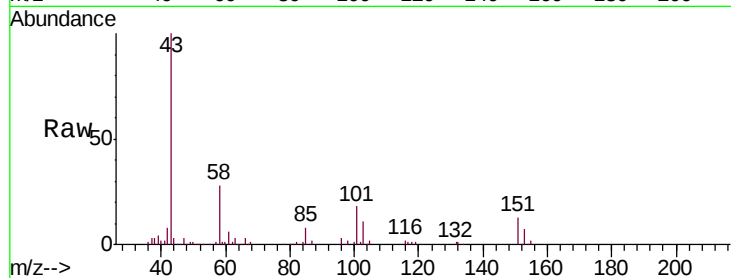




#13
Acetone
Concen: 41.191 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW011632.D
Acq: 02 Aug 2019 19:12

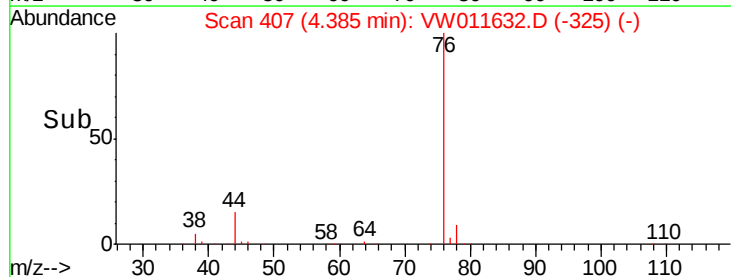
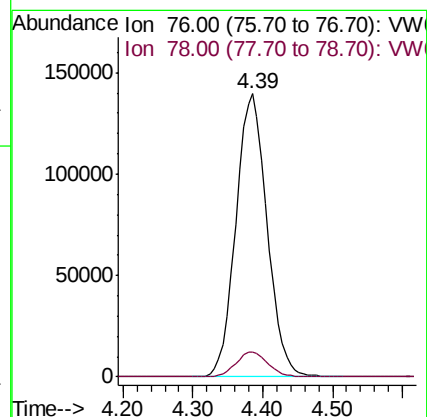
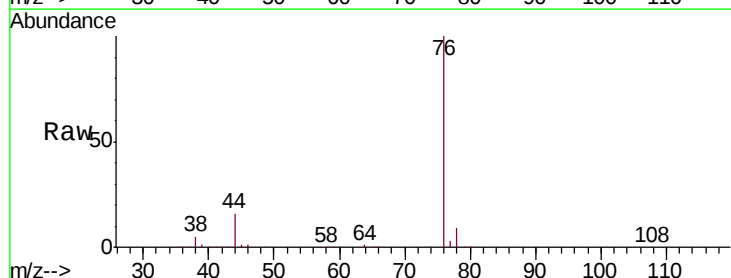
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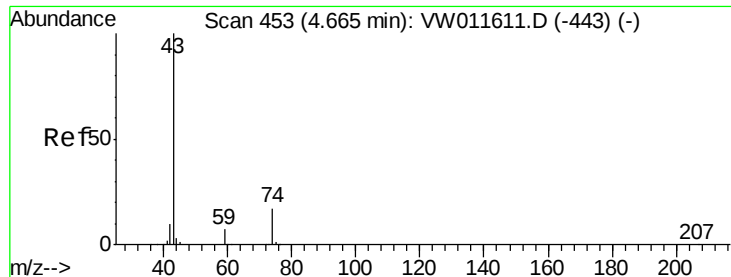
Tgt Ion: 43 Resp: 102225
Ion Ratio Lower Upper
43 100
58 27.2 0.0 53.4



#14
Carbon disulfide
Concen: 25.265 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011632.D
Acq: 02 Aug 2019 19:12

Tgt Ion: 76 Resp: 431933
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6





#15

Methyl Acetate

Concen: 23.582 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

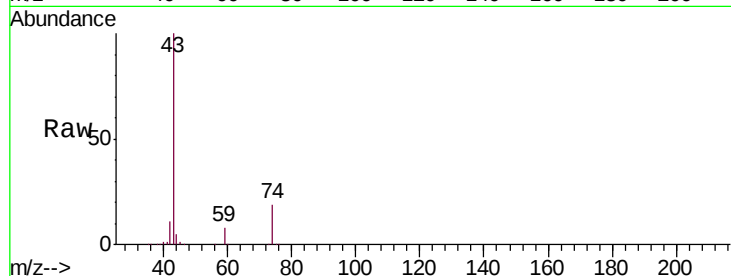
VSTD02530

Tgt Ion: 43 Resp: 95688

Ion Ratio Lower Upper

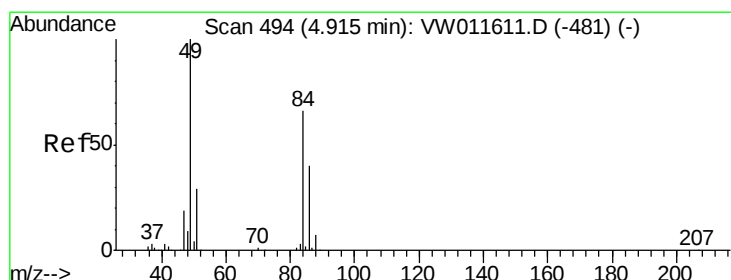
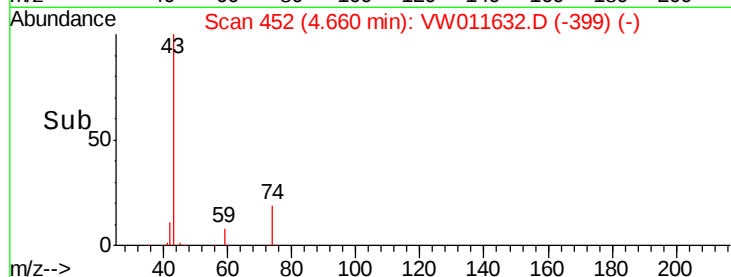
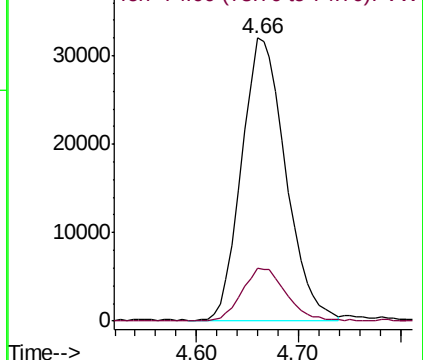
43 100

74 18.9 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 26.474 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

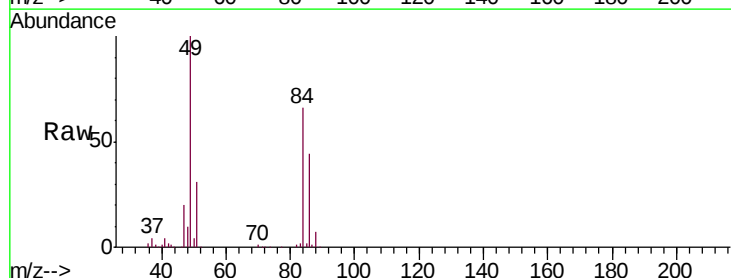
Tgt Ion: 84 Resp: 150990

Ion Ratio Lower Upper

84 100

49 151.8 106.8 198.4

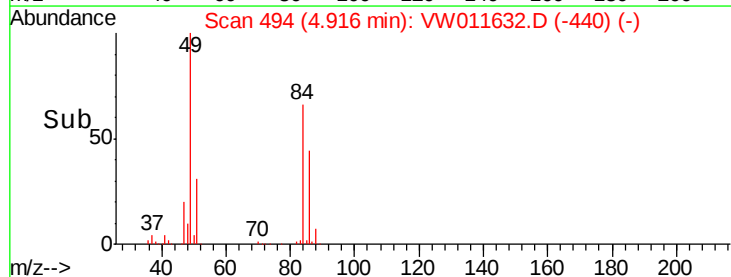
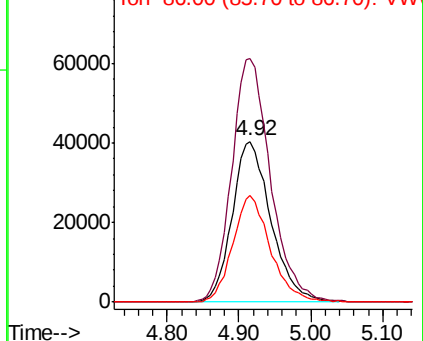
86 66.6 42.8 79.4

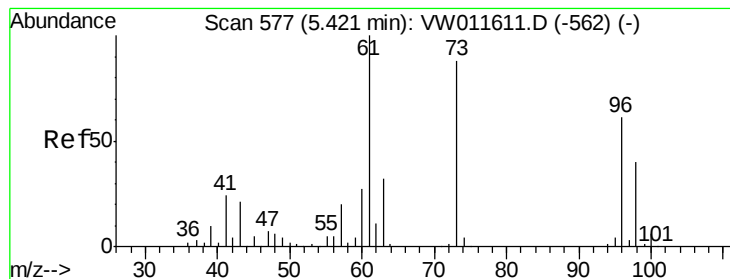


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 24.747 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

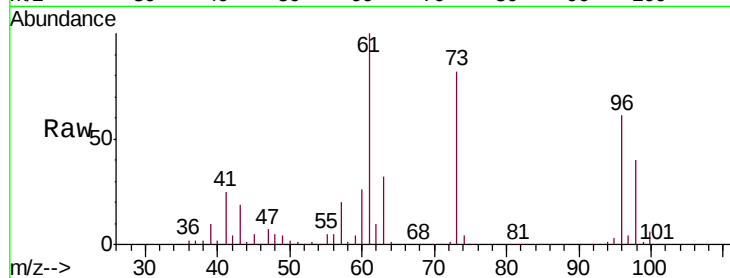
Tgt Ion: 73 Resp: 216317

Ion Ratio Lower Upper

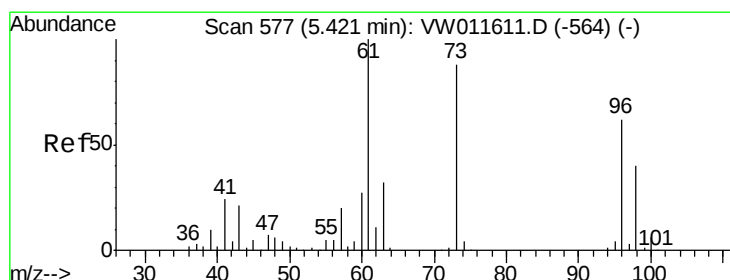
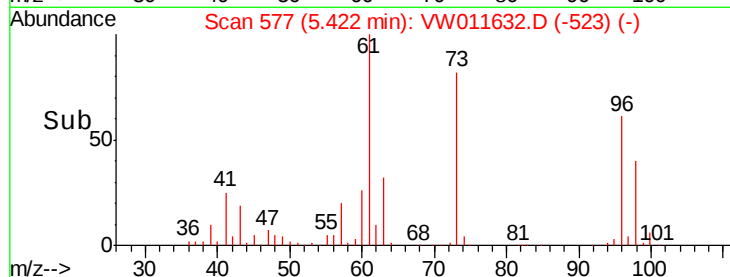
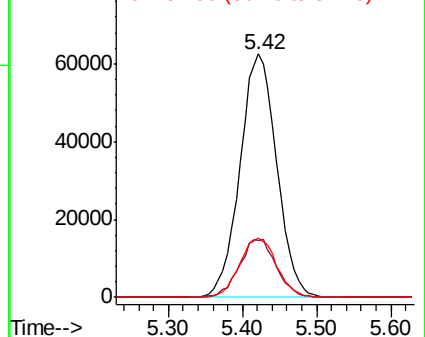
73 100

43 23.8 19.3 28.9

57 24.6 19.7 29.5



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 26.443 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

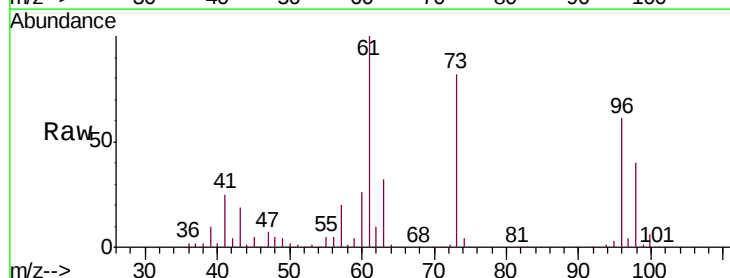
Tgt Ion: 96 Resp: 143403

Ion Ratio Lower Upper

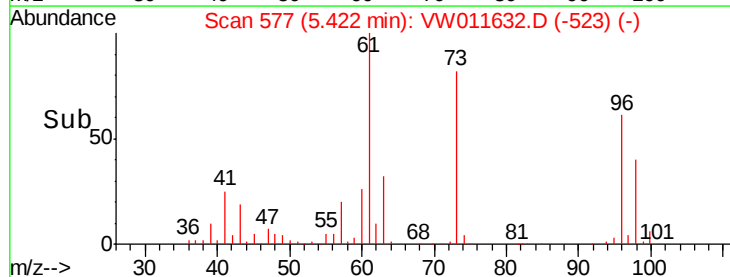
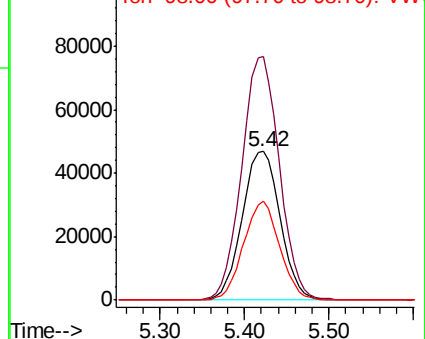
96 100

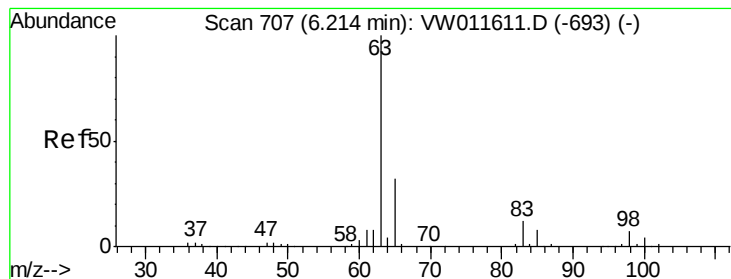
61 163.7 114.2 212.0

98 66.1 45.6 84.6



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 27.159 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

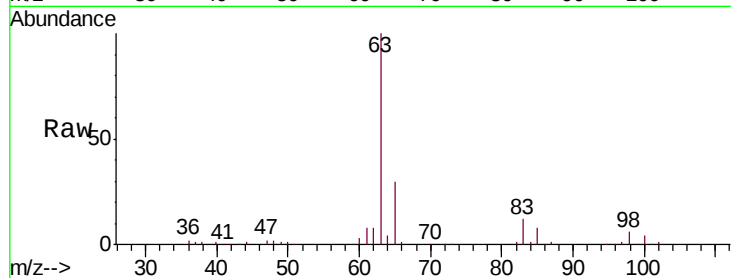
Tgt Ion: 63 Resp: 294236

Ion Ratio Lower Upper

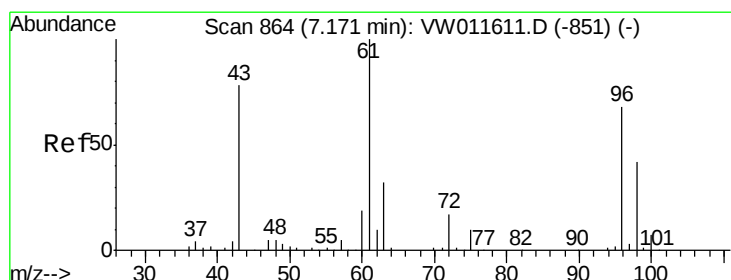
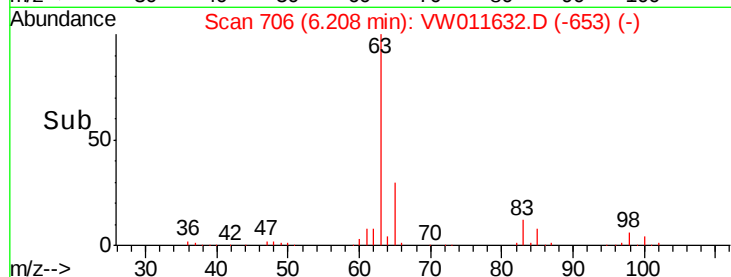
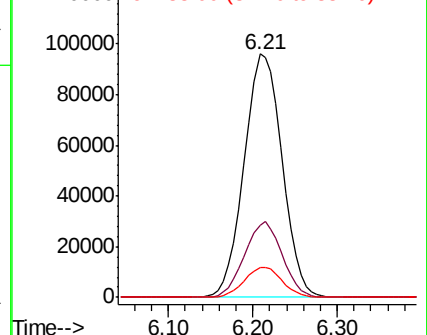
63 100

65 29.7 21.7 40.3

83 12.1 8.4 15.6



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



#21

2-Butanone

Concen: 45.459 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011632.D

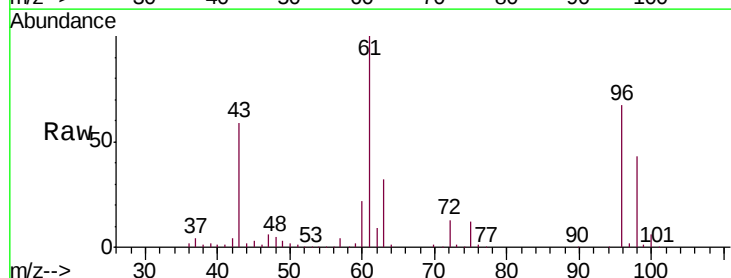
Acq: 02 Aug 2019 19:12

Tgt Ion: 43 Resp: 141449

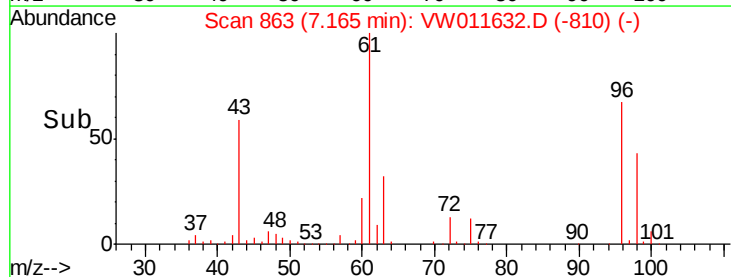
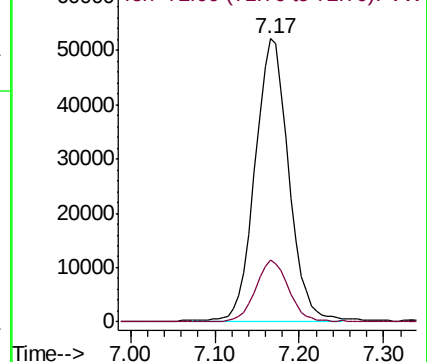
Ion Ratio Lower Upper

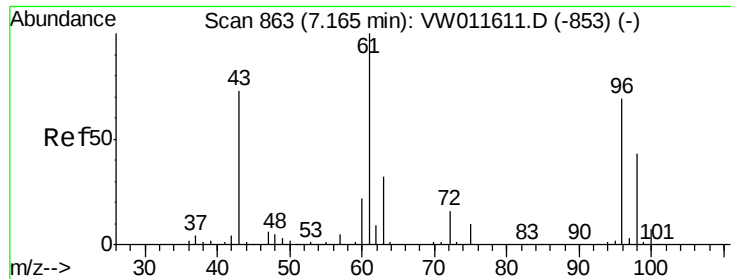
43 100

72 21.6 10.7 32.1



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



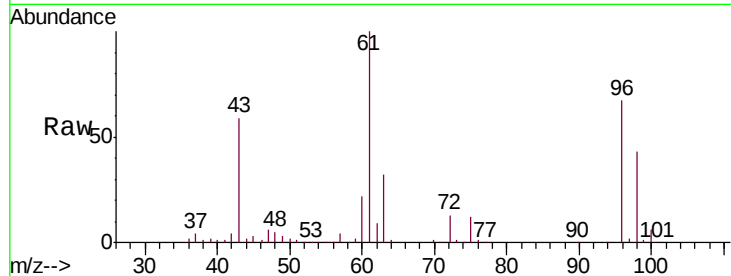


#22

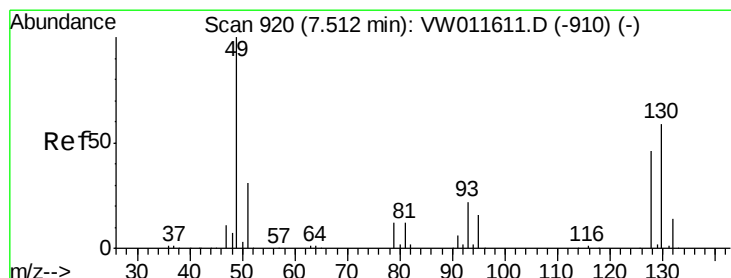
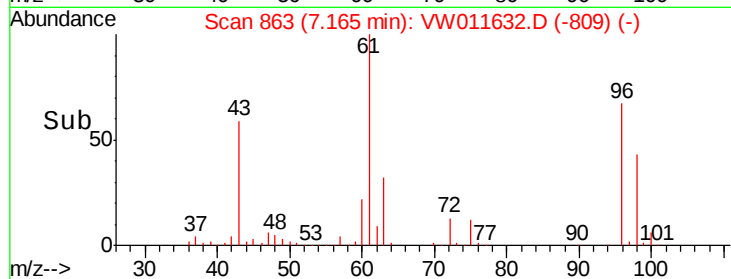
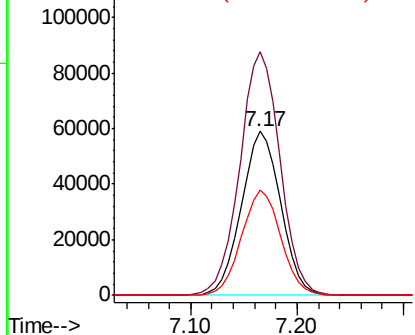
cis-1,2-Dichloroethene
 Concen: 27.032 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tgt Ion: 96 Resp: 153374
 Ion Ratio Lower Upper
 96 100
 61 148.8 103.9 192.9
 98 64.1 43.5 80.9



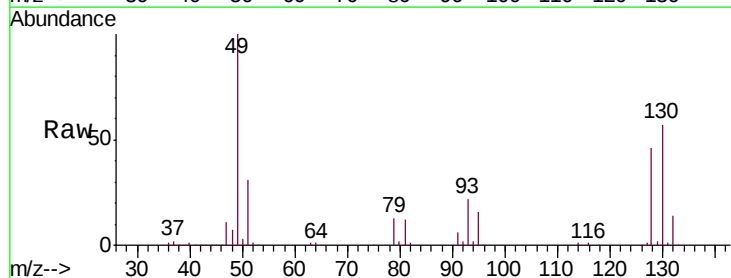
Abundance Ion 96.00 (95.70 to 96.70): VW
 120000
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



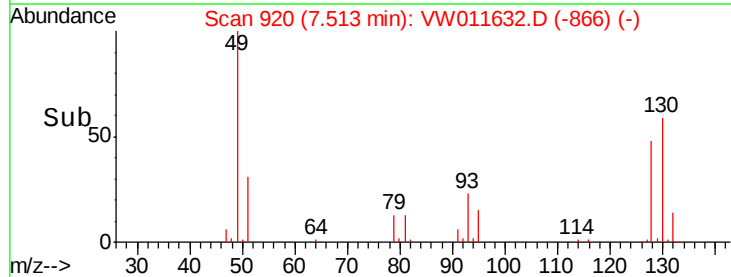
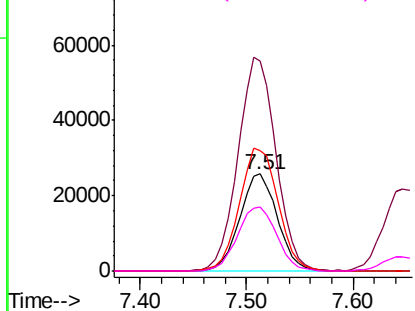
#23

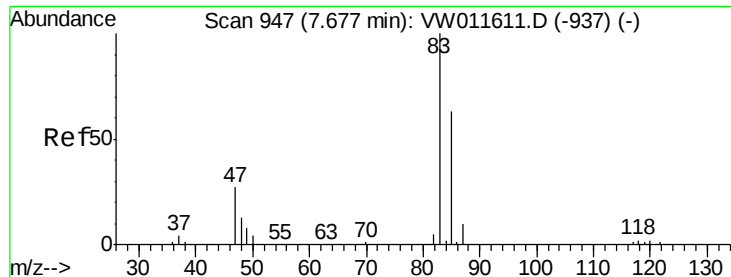
Bromochloromethane
 Concen: 26.509 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

Tgt Ion: 128 Resp: 63994
 Ion Ratio Lower Upper
 128 100
 49 216.4 153.6 285.3
 130 124.3 89.5 166.3
 51 66.1 53.0 79.6



Abundance Ion 128.00 (127.70 to 128.70): V
 80000
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 27.215 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

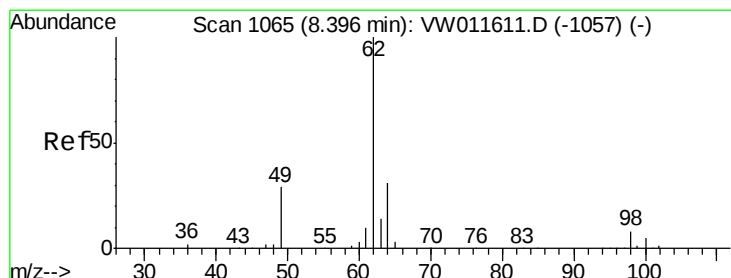
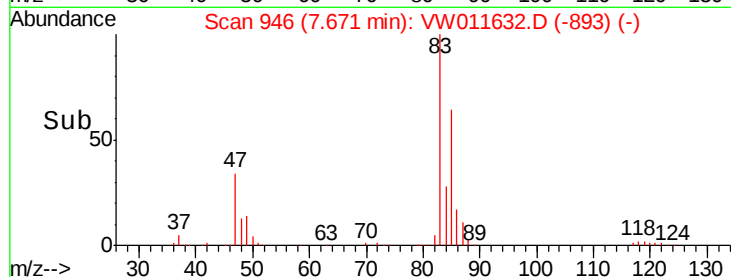
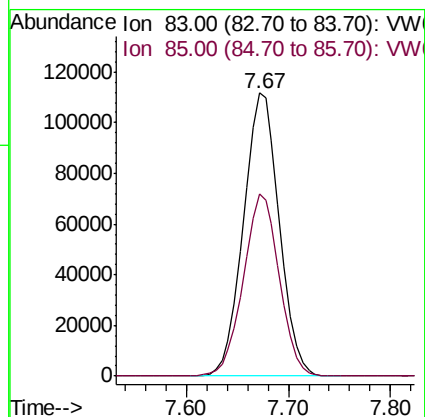
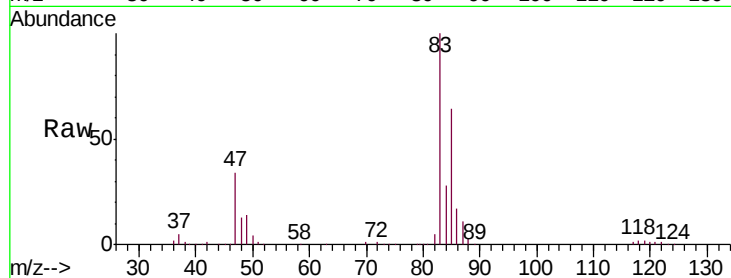
VSTD02530

Tgt Ion: 83 Resp: 271755

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.2



#27

1,2-Dichloroethane

Concen: 27.056 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011632.D

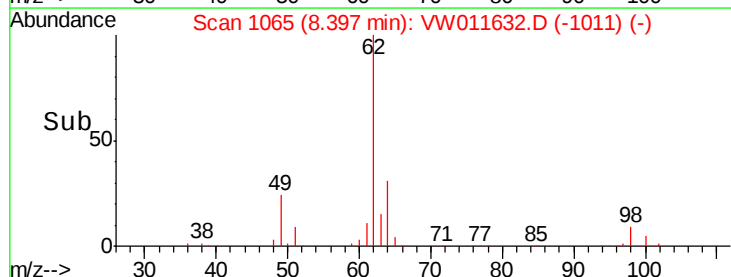
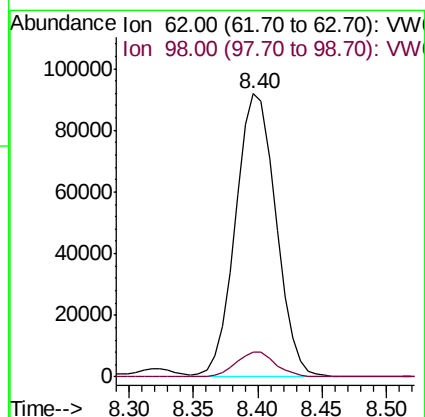
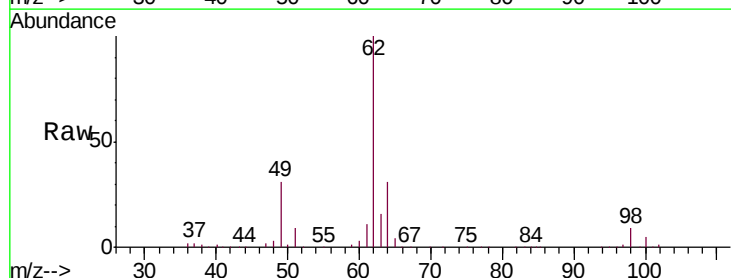
Acq: 02 Aug 2019 19:12

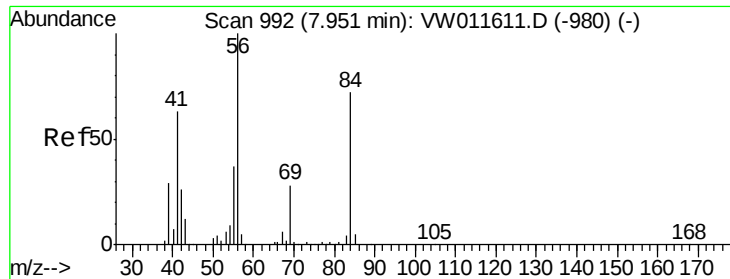
Tgt Ion: 62 Resp: 200004

Ion Ratio Lower Upper

62 100

98 8.8 7.2 10.8

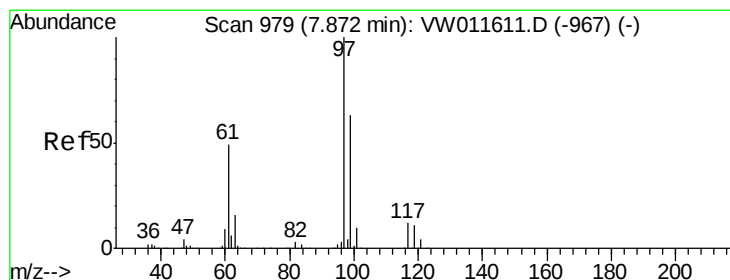
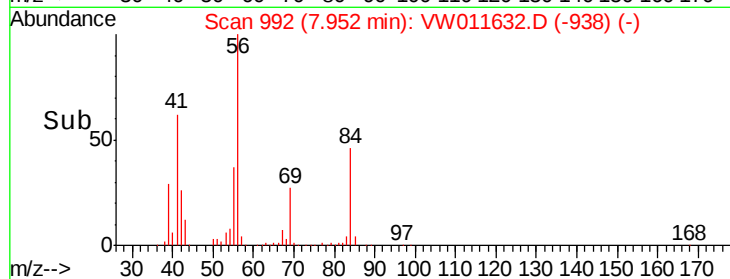
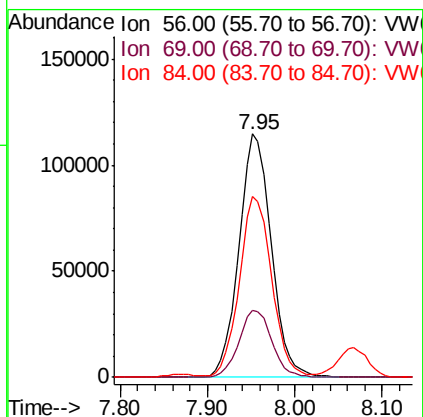
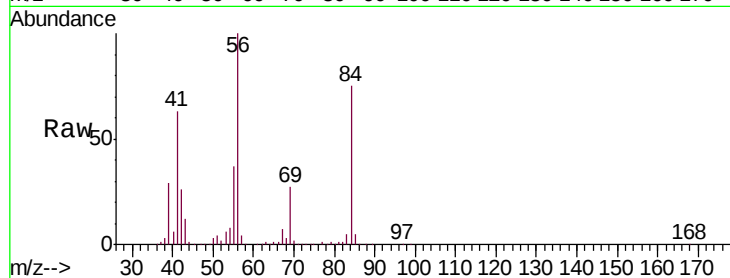




#30
Cyclohexane
Concen: 25.861 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011632.D
Acq: 02 Aug 2019 19:12

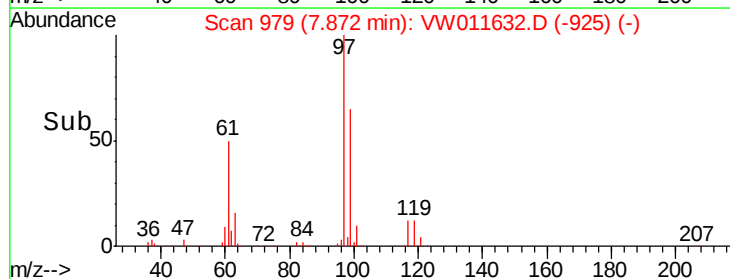
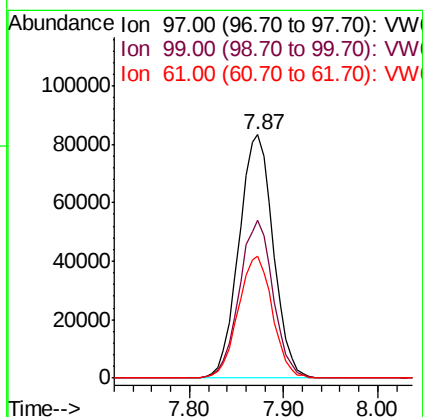
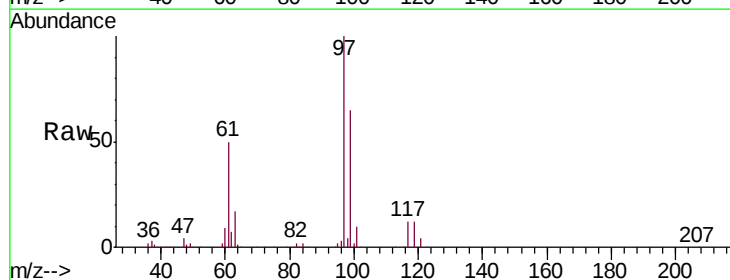
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

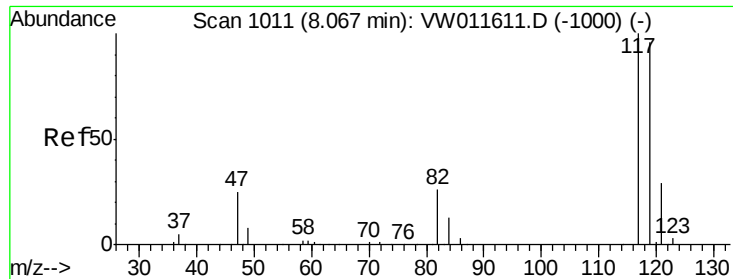
Tgt Ion: 56 Resp: 295145
Ion Ratio Lower Upper
56 100
69 27.9 22.4 33.6
84 74.5 60.6 91.0



#31
1,1,1-Trichloroethane
Concen: 26.588 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011632.D
Acq: 02 Aug 2019 19:12

Tgt Ion: 97 Resp: 212705
Ion Ratio Lower Upper
97 100
99 63.8 52.1 78.1
61 49.9 40.3 60.5





#32

Carbon tetrachloride

Concen: 26.329 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

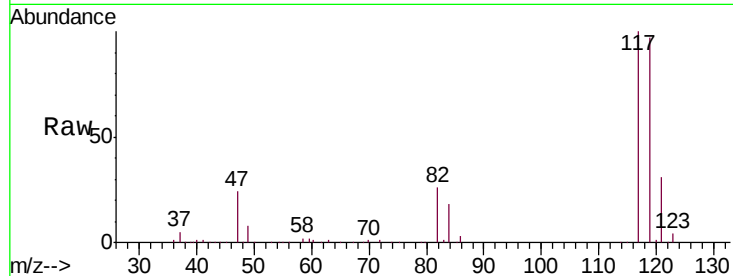
VSTD02530

Tgt Ion:117 Resp: 198157

Ion Ratio Lower Upper

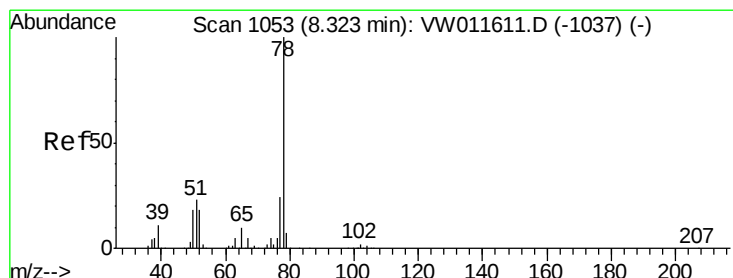
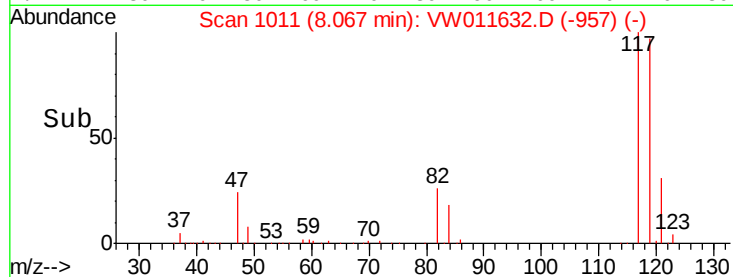
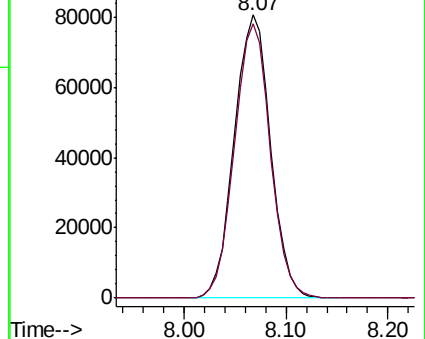
117 100

119 96.0 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.584 ug/L

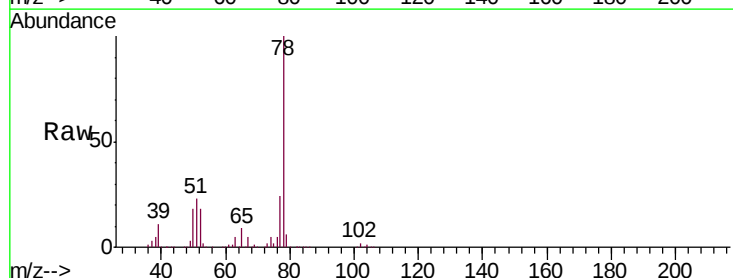
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

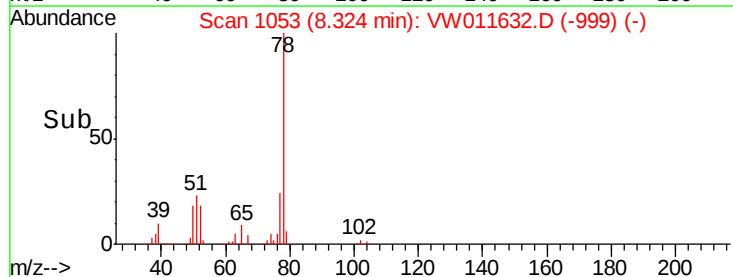
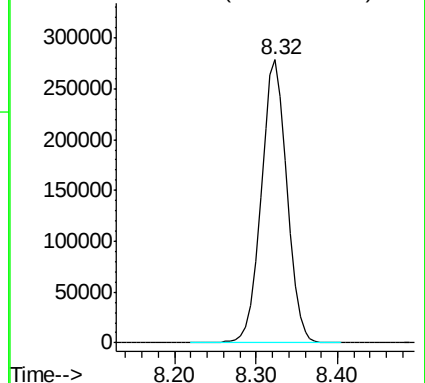
Lab File: VW011632.D

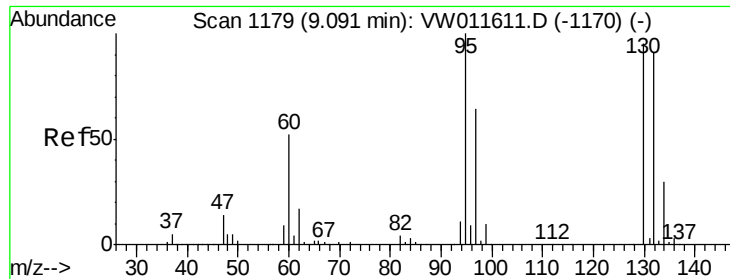
Acq: 02 Aug 2019 19:12

Tgt Ion: 78 Resp: 611647



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.157 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tgt Ion: 95 Resp: 152784

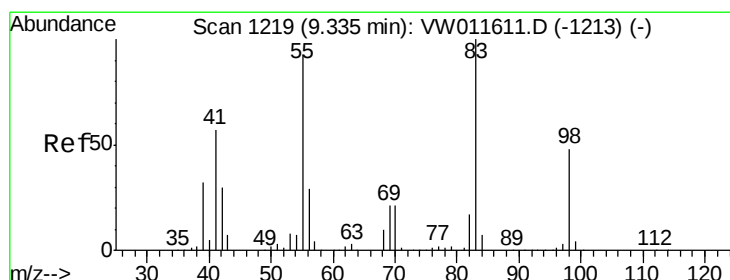
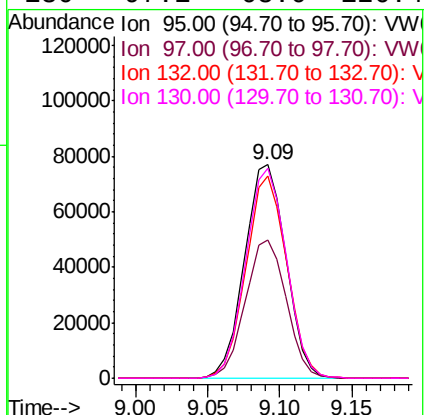
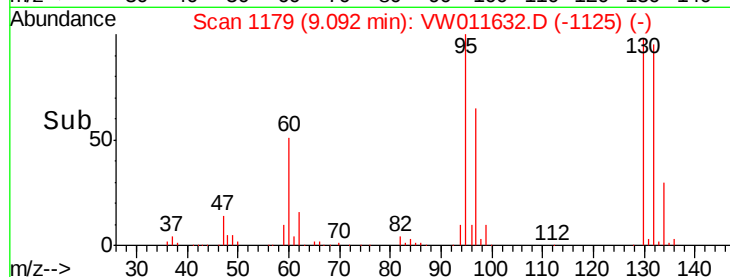
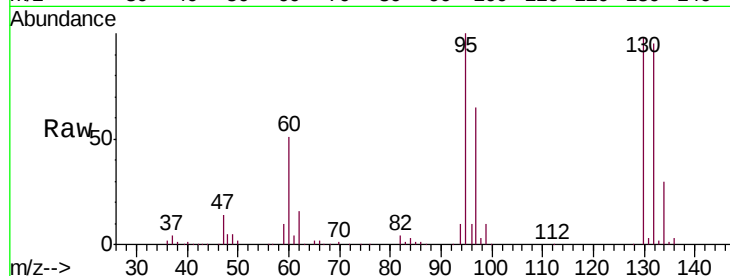
Ion Ratio Lower Upper

95 100

97 64.4 44.8 83.2

132 93.3 65.0 120.6

130 97.1 68.0 126.4



#36

Methylcyclohexane

Concen: 26.203 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

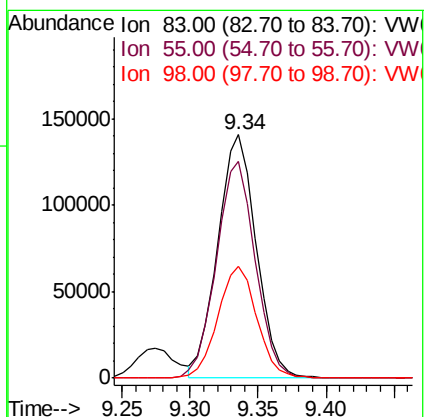
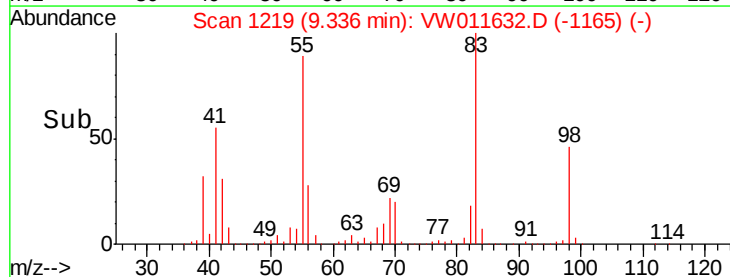
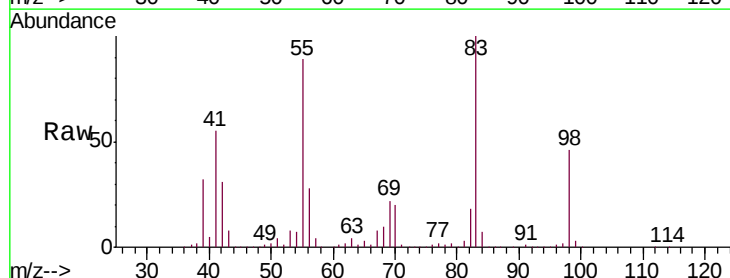
Tgt Ion: 83 Resp: 277657

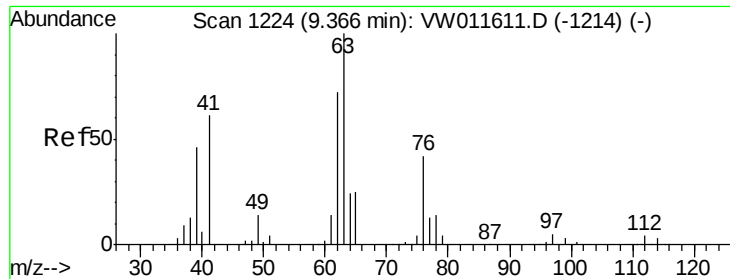
Ion Ratio Lower Upper

83 100

55 90.1 72.6 108.8

98 46.6 37.8 56.6

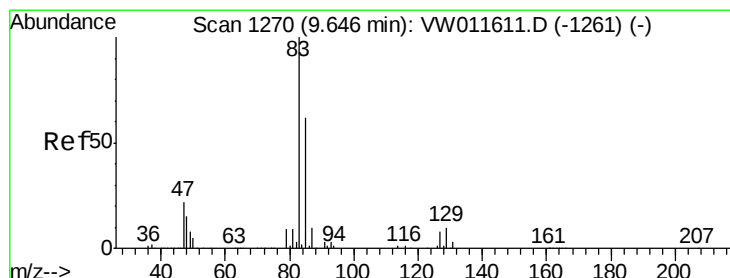
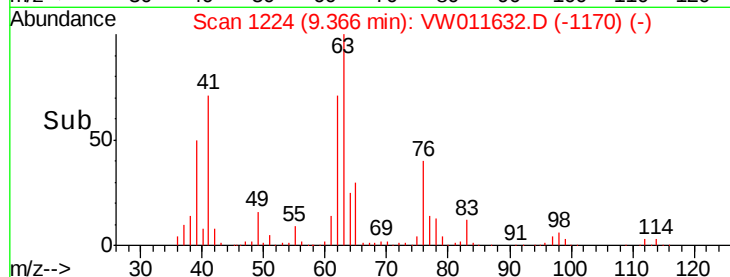
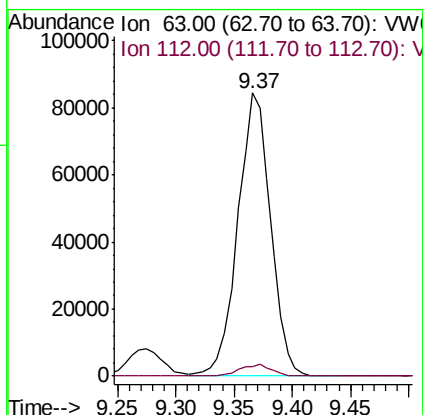
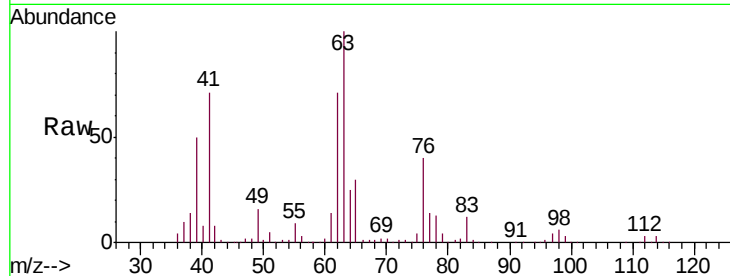




#40
 1,2-Dichloropropane
 Concen: 27.017 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

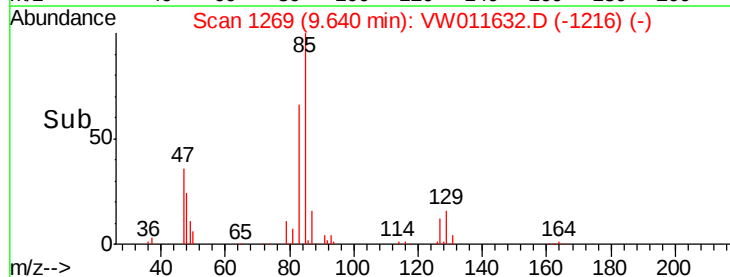
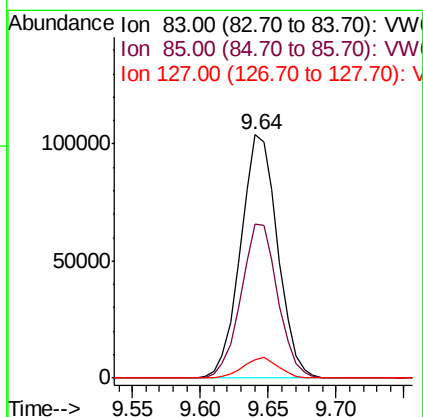
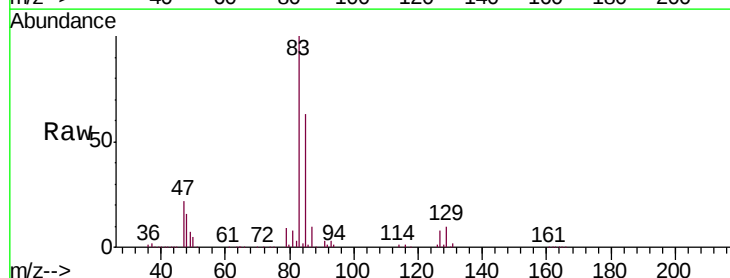
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

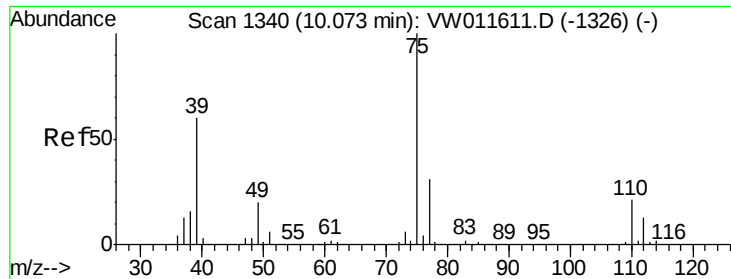
Tgt Ion: 63 Resp: 165924
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#41
 Bromodichloromethane
 Concen: 27.279 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

Tgt Ion: 83 Resp: 197695
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.0 81.6
 127 7.5 6.5 9.7

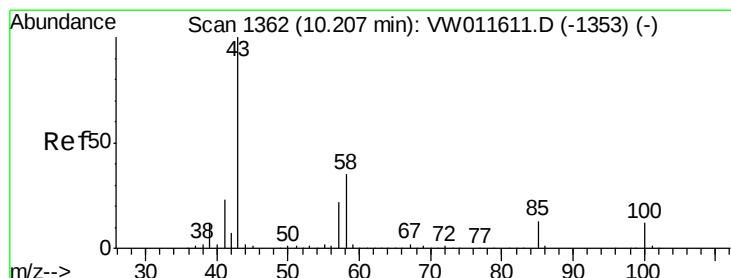
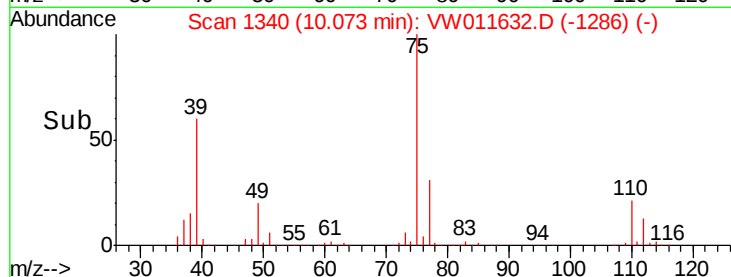
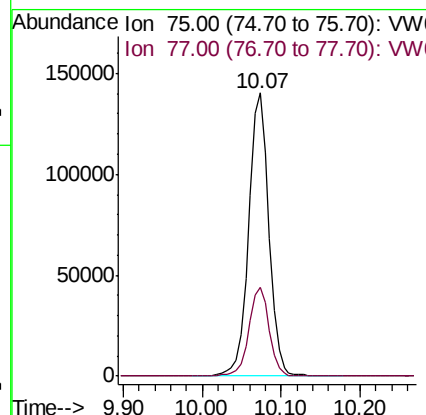
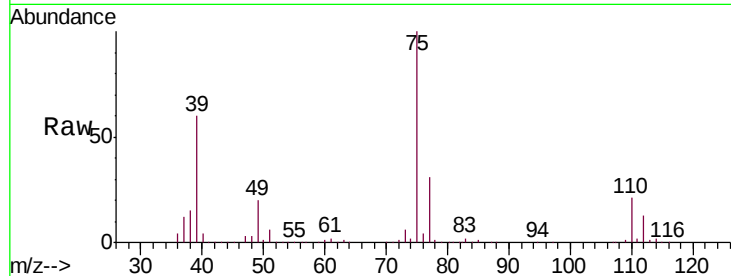




#42
 cis-1,3-Dichloropropene
 Concen: 27.163 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

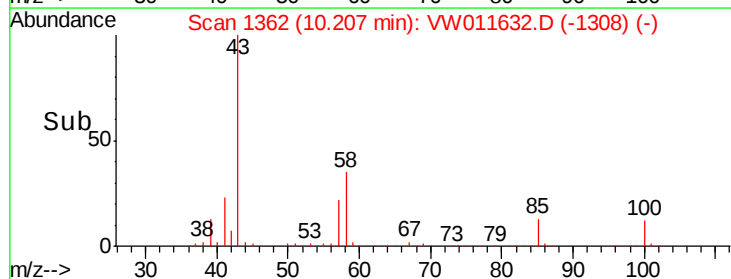
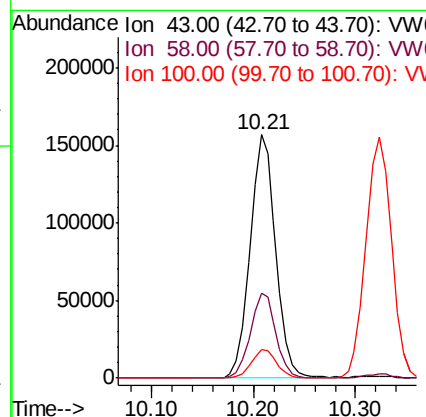
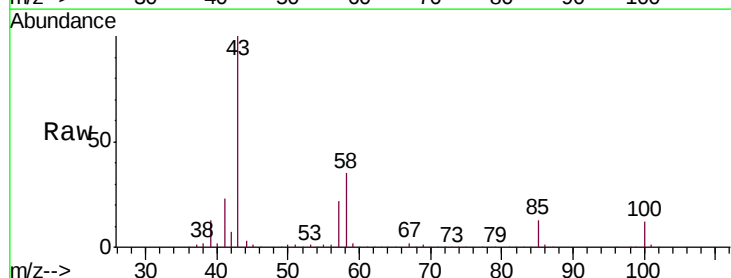
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

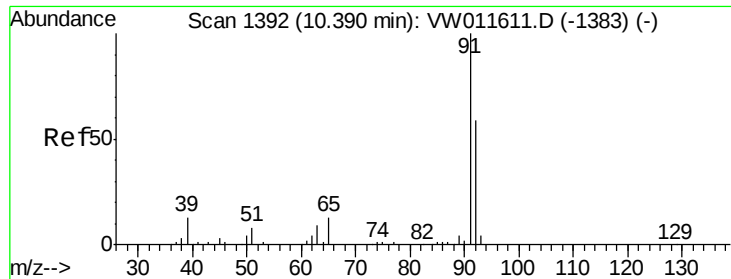
Tgt Ion: 75 Resp: 249525
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 48.984 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

Tgt Ion: 43 Resp: 272572
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.0 42.0
 100 11.7 9.4 14.2





#44

Toluene

Concen: 27.282 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

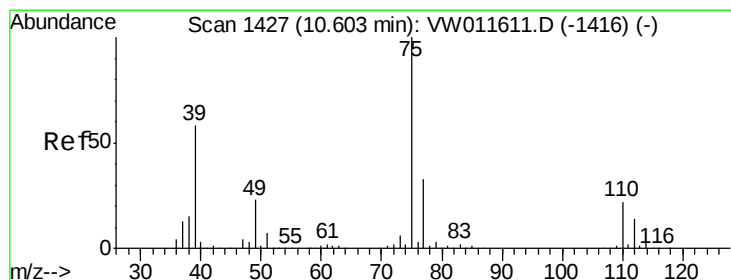
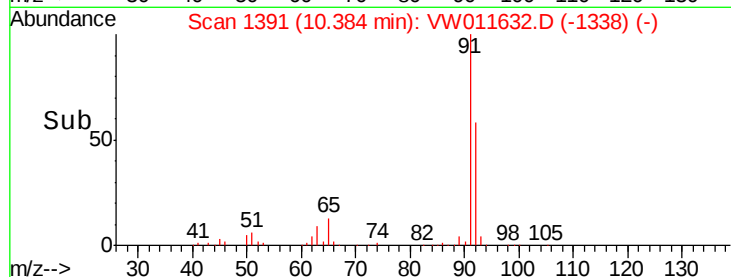
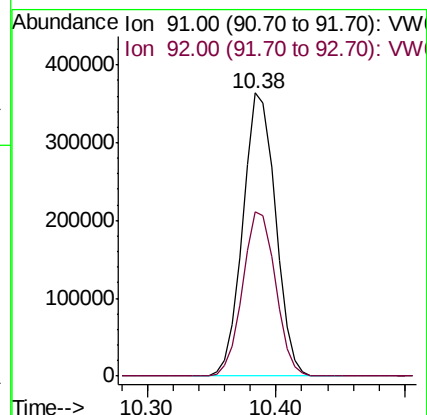
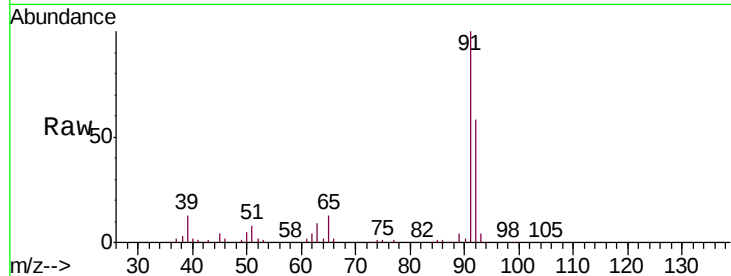
VSTD02530

Tgt Ion: 91 Resp: 637719

Ion Ratio Lower Upper

91 100

92 58.1 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 26.569 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011632.D

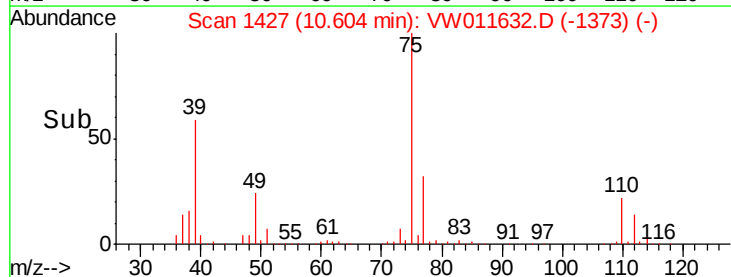
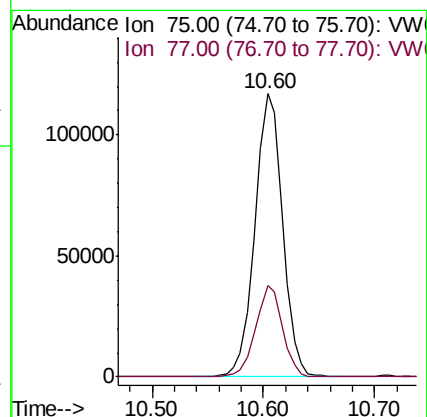
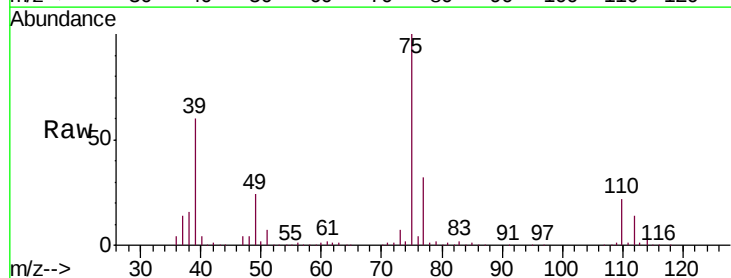
Acq: 02 Aug 2019 19:12

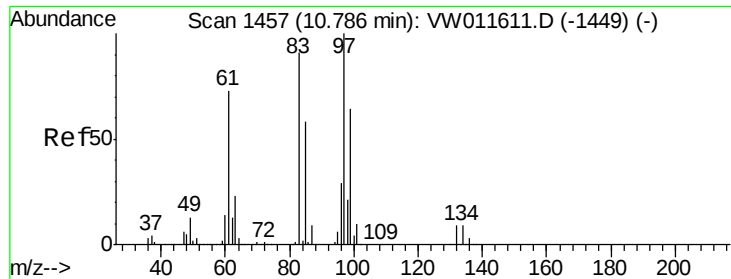
Tgt Ion: 75 Resp: 203070

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.0

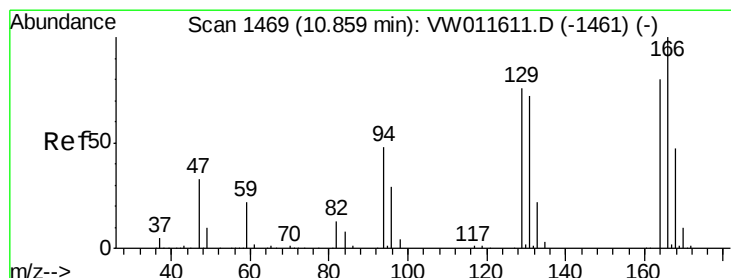
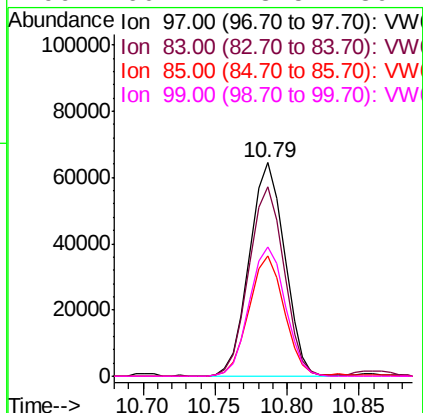
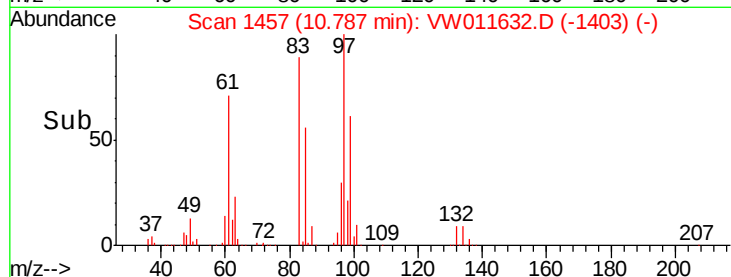
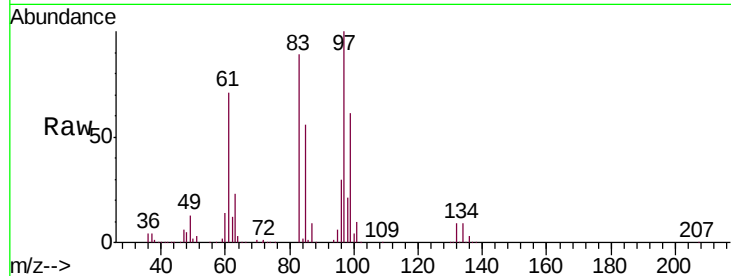




#46
 1,1,2-Trichloroethane
 Concen: 26.188 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

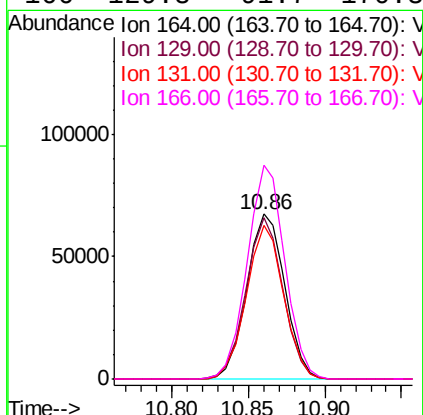
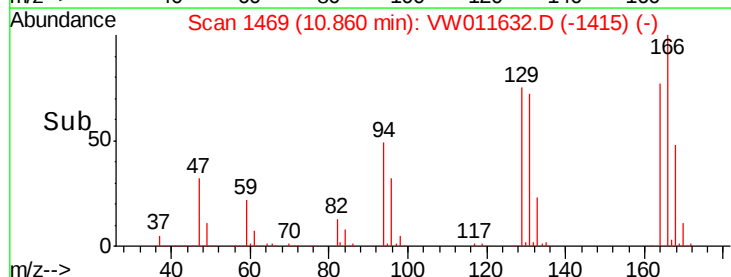
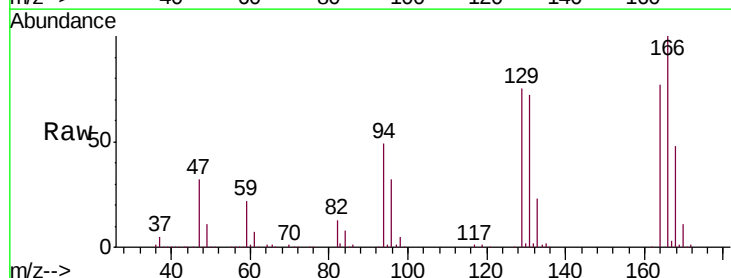
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02530

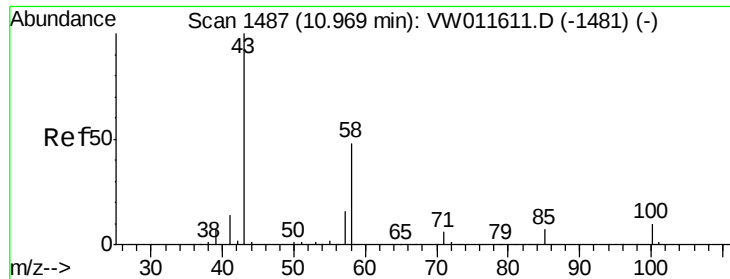
Tgt Ion:	97	Resp:	109655
Ion	Ratio	Lower	Upper
97	100		
83	88.7	63.8	118.6
85	56.5	39.3	72.9
99	60.7	43.5	80.7



#47
 Tetrachloroethene
 Concen: 26.132 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

Tgt Ion:	164	Resp:	116589
Ion	Ratio	Lower	Upper
164	100		
129	97.7	64.0	119.0
131	93.4	58.6	108.8
166	129.8	91.7	170.3





#49

2-Hexanone

Concen: 45.592 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tgt Ion: 43 Resp: 195459

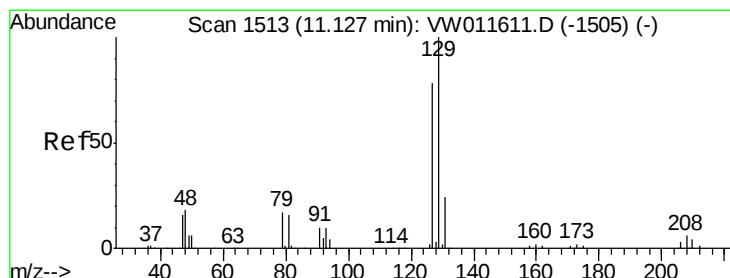
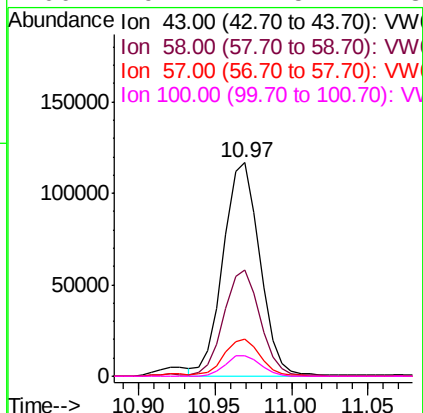
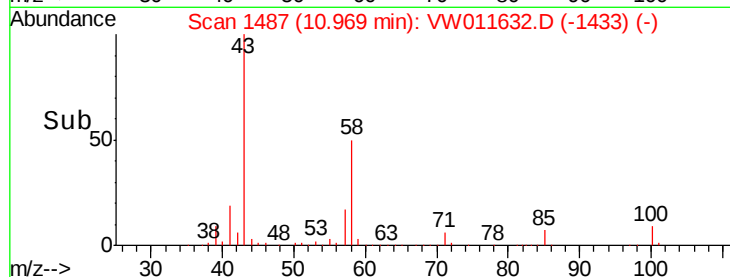
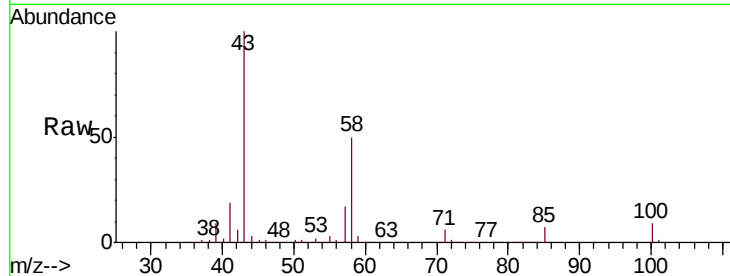
Ion Ratio Lower Upper

43 100

58 49.5 38.6 57.8

57 16.7 13.0 19.6

100 9.4 7.5 11.3



#50

Dibromochloromethane

Concen: 27.312 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011632.D

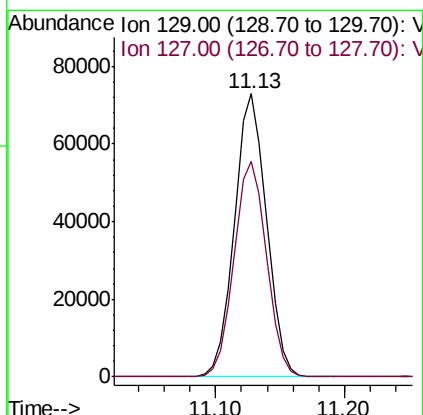
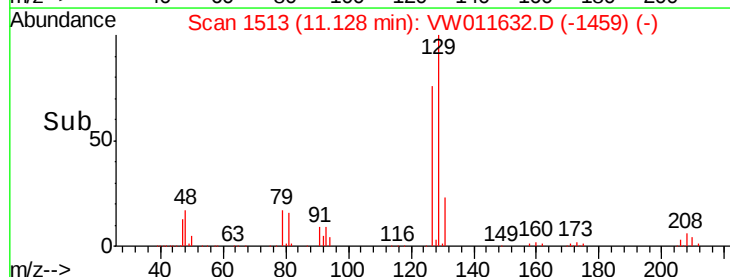
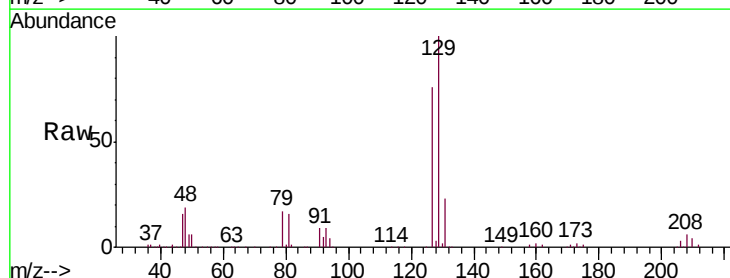
Acq: 02 Aug 2019 19:12

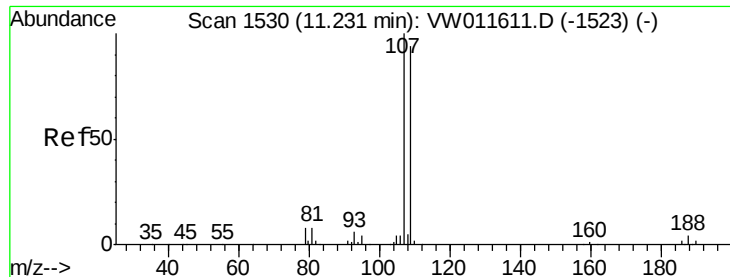
Tgt Ion: 129 Resp: 126054

Ion Ratio Lower Upper

129 100

127 76.2 52.6 97.6

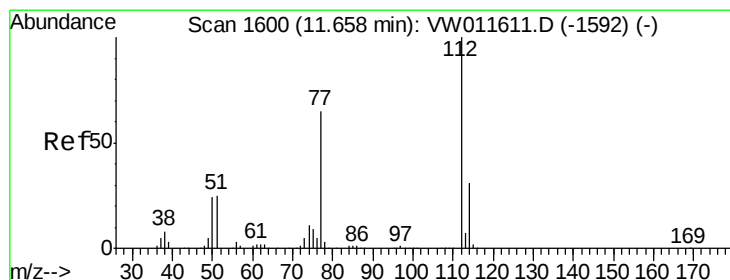
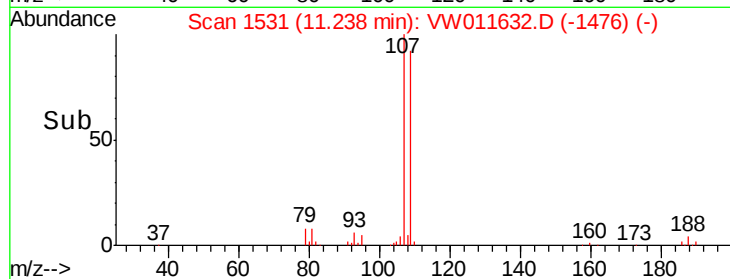
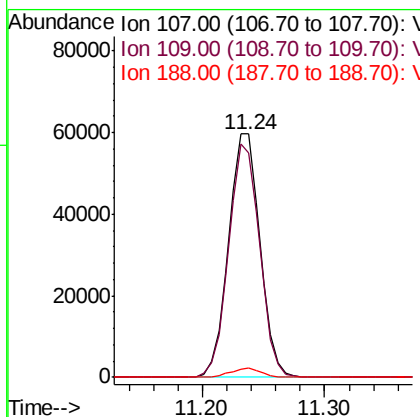
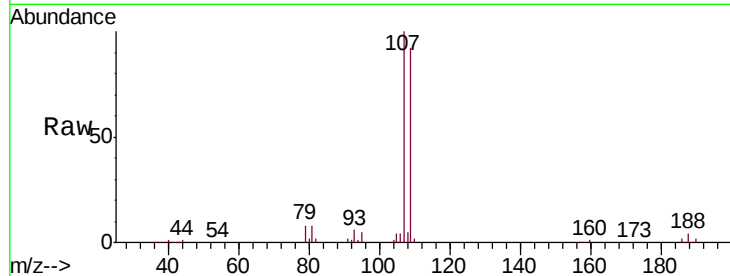




#51
1,2-Dibromoethane
Concen: 25.904 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW011632.D
Acq: 02 Aug 2019 19:12

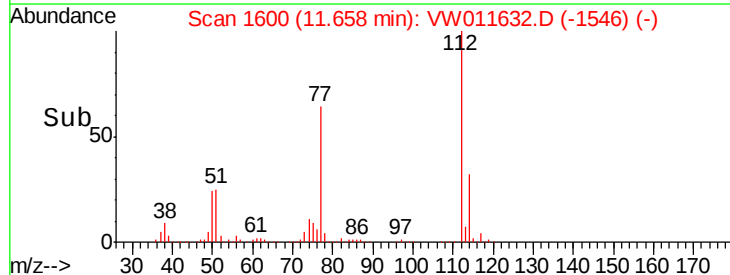
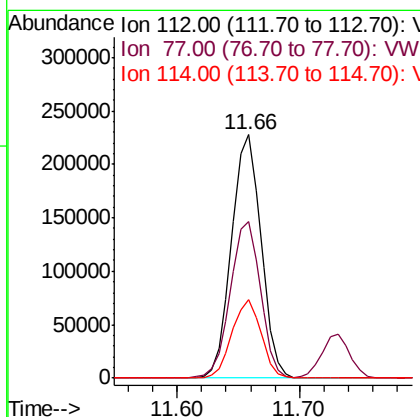
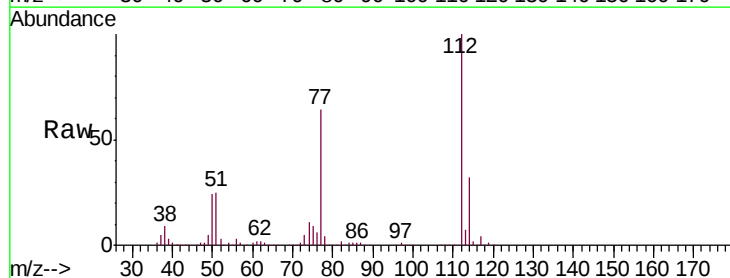
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

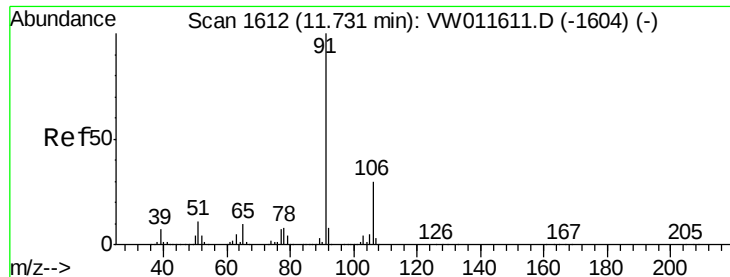
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.2	66.1	122.8
188	3.9	2.9	4.3



#52
Chlorobenzene
Concen: 26.960 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011632.D
Acq: 02 Aug 2019 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.2	51.0	76.4
114	32.1	22.4	41.6





#53

Ethylbenzene

Concen: 27.510 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

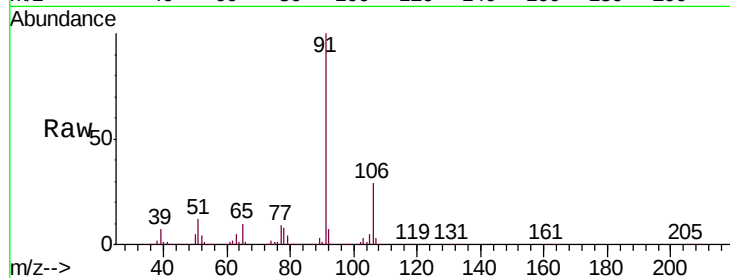
VSTD02530

Tgt Ion: 91 Resp: 717141

Ion Ratio Lower Upper

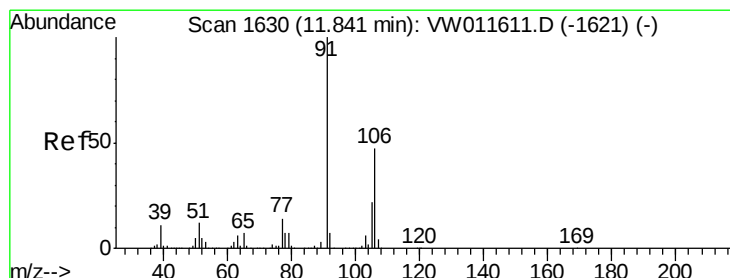
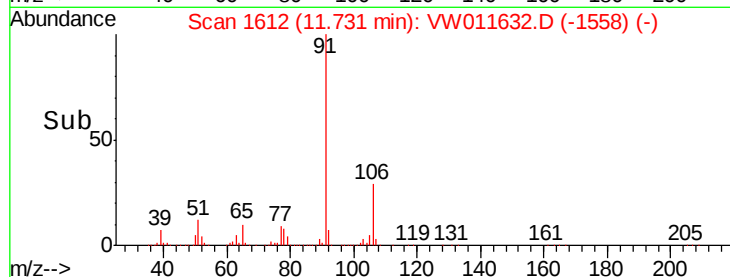
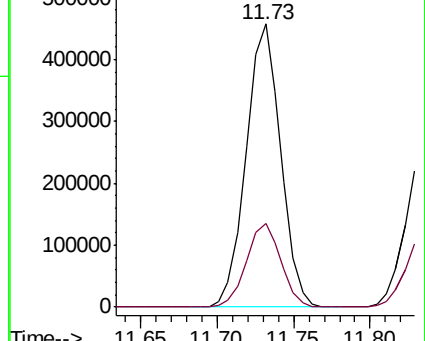
91 100

106 29.4 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.242 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011632.D

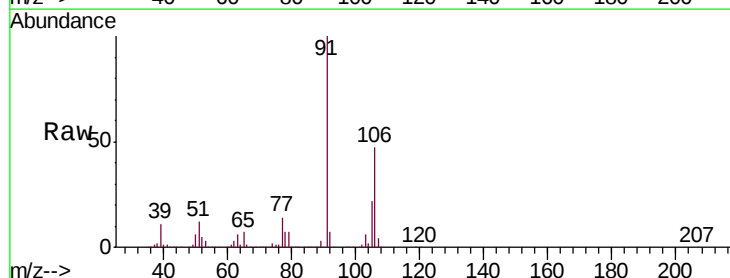
Acq: 02 Aug 2019 19:12

Tgt Ion: 106 Resp: 258228

Ion Ratio Lower Upper

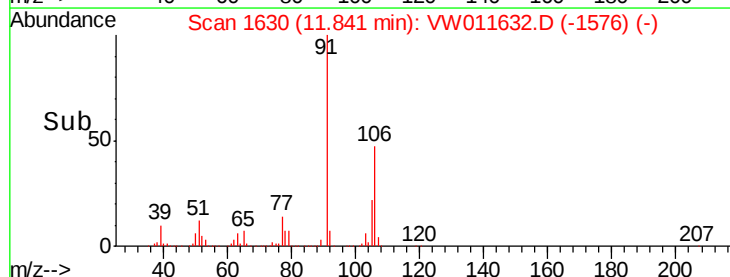
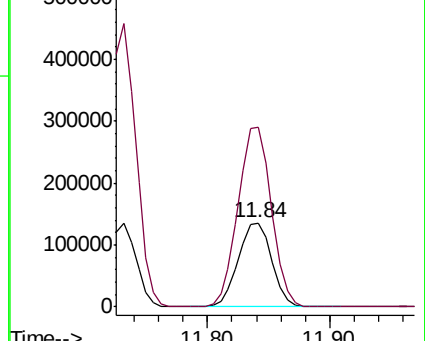
106 100

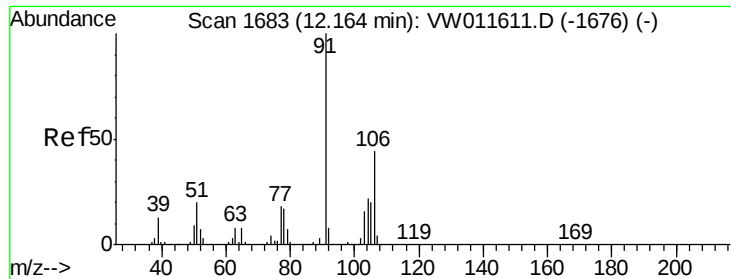
91 213.2 149.6 277.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 27.381 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

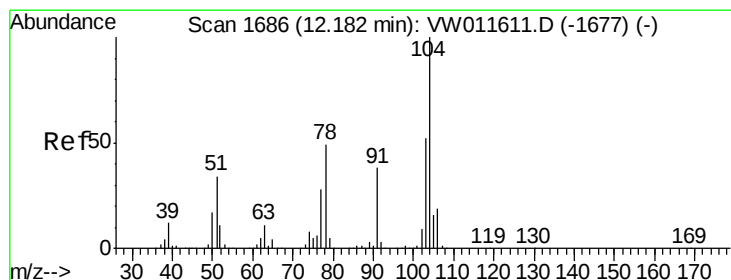
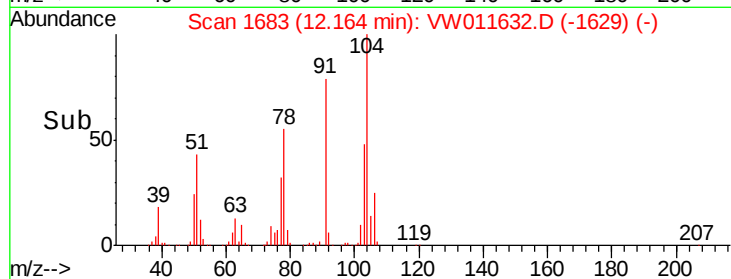
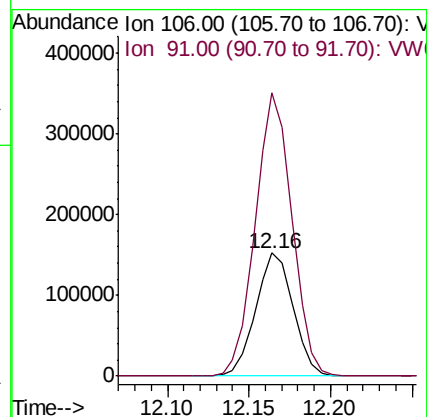
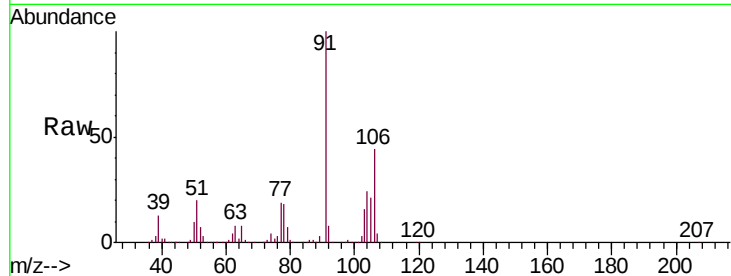
VSTD02530

Tgt Ion:106 Resp: 244264

Ion Ratio Lower Upper

106 100

91 229.5 158.3 293.9



#56

Styrene

Concen: 28.021 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011632.D

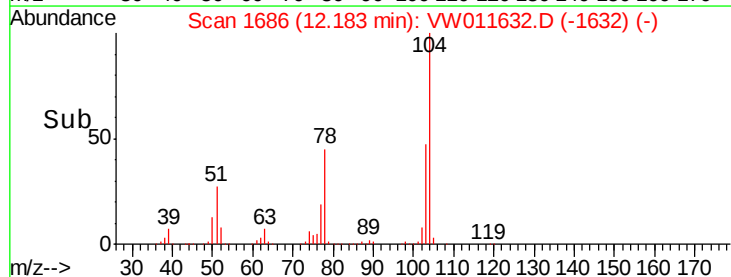
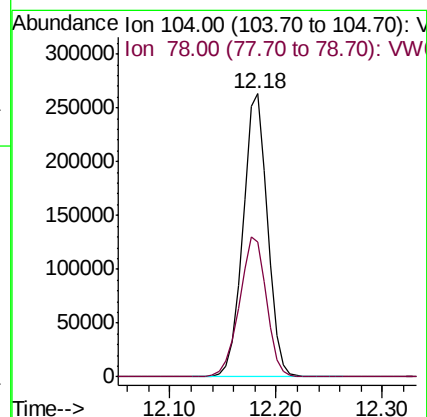
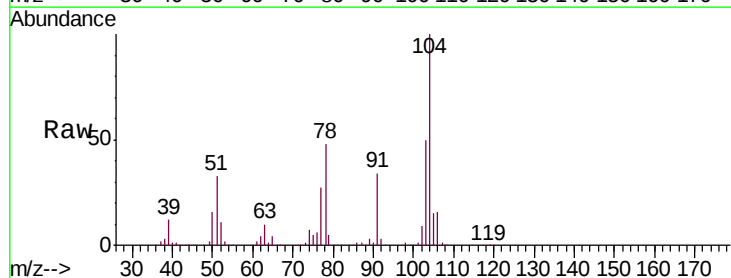
Acq: 02 Aug 2019 19:12

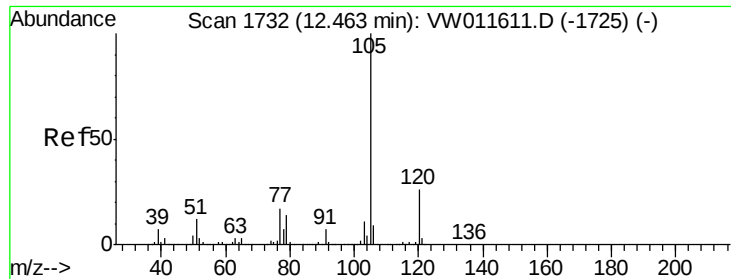
Tgt Ion:104 Resp: 424981

Ion Ratio Lower Upper

104 100

78 47.6 32.9 61.1





#57

Isopropylbenzene

Concen: 27.519 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

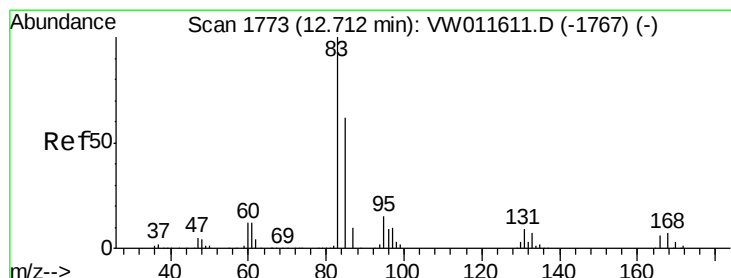
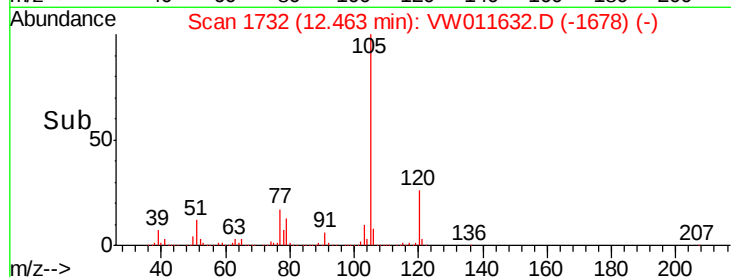
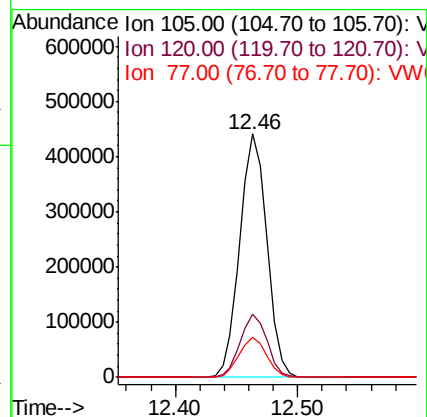
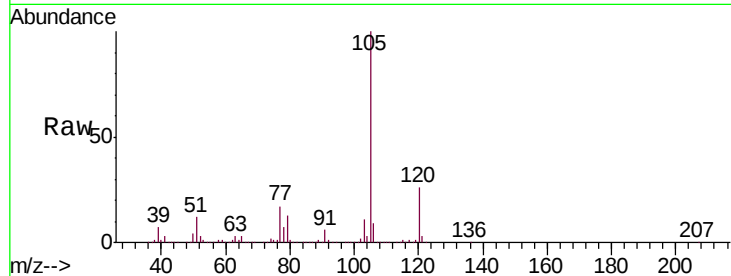
Tgt Ion: 105 Resp: 675370

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

77 16.6 13.4 20.2



#58

1,1,2,2-Tetrachloroethane

Concen: 25.107 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

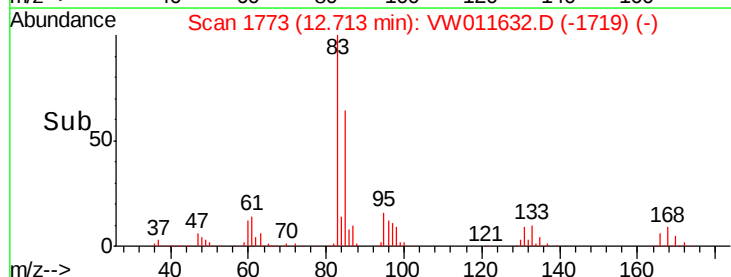
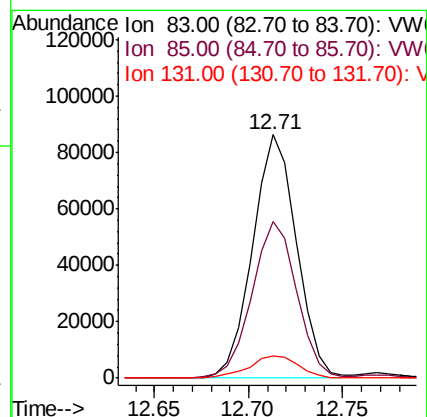
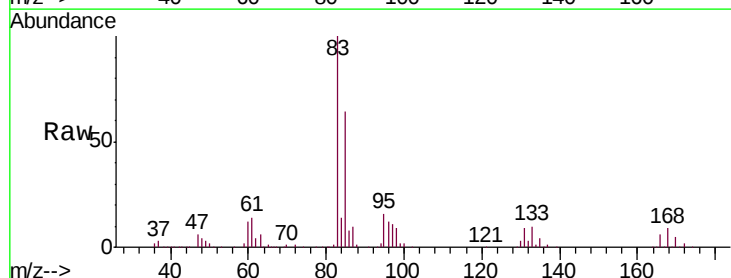
Tgt Ion: 83 Resp: 139704

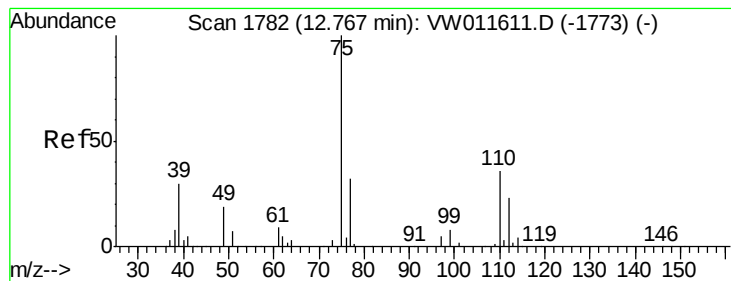
Ion Ratio Lower Upper

83 100

85 64.2 43.5 80.9

131 9.0 7.5 11.3





#59

1,2,3-Trichloropropane

Concen: 24.826 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

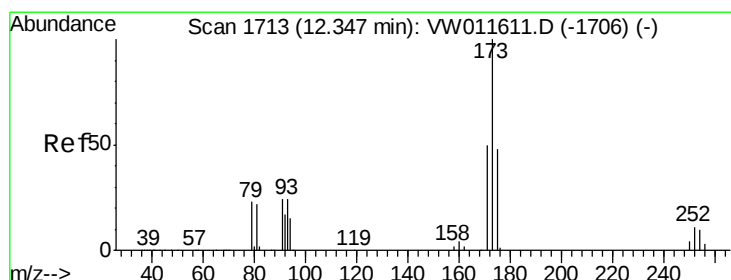
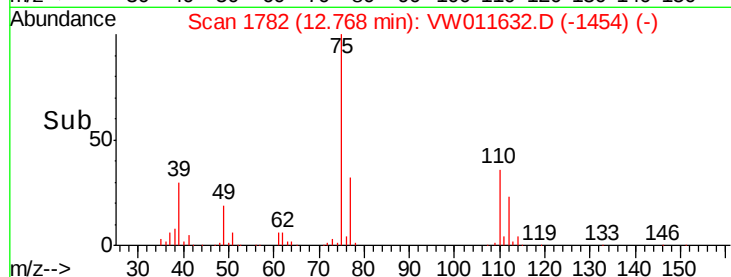
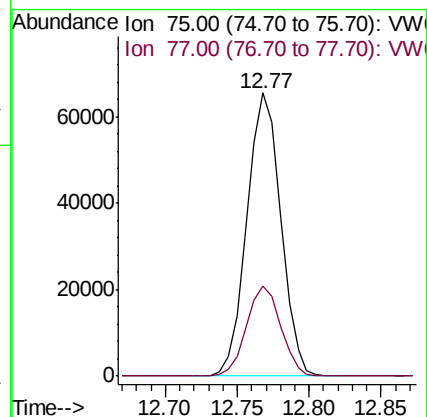
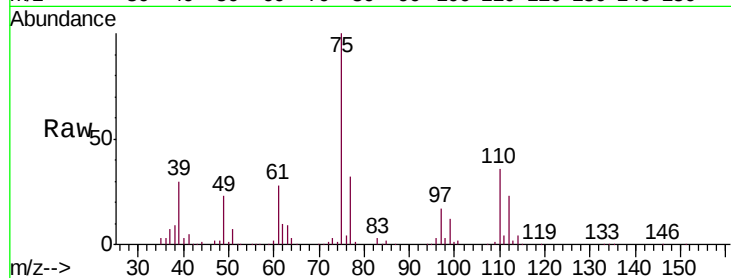
VSTD02530

Tgt Ion: 75 Resp: 106547

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7



#62

Bromoform

Concen: 24.940 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

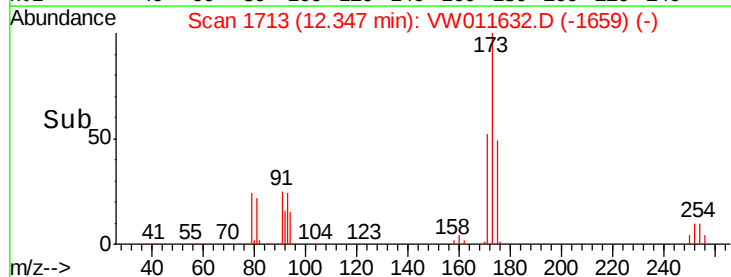
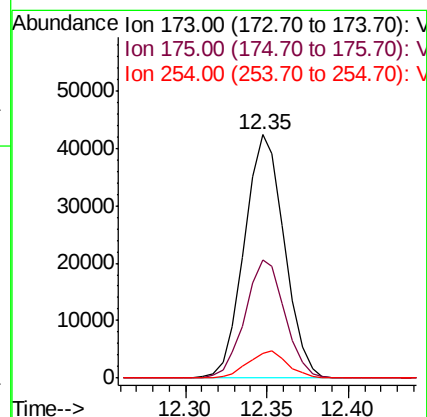
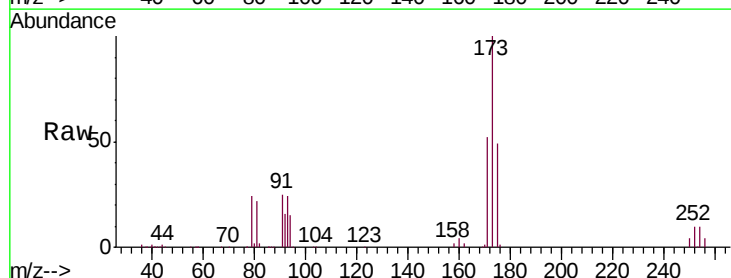
Tgt Ion: 173 Resp: 72295

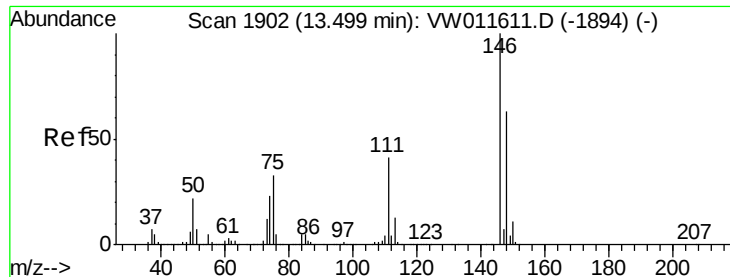
Ion Ratio Lower Upper

173 100

175 48.2 39.4 59.0

254 11.1 9.0 13.6

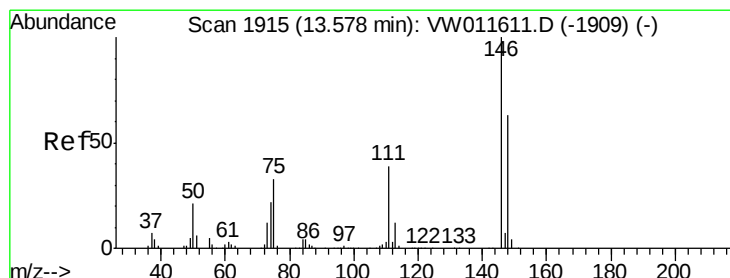
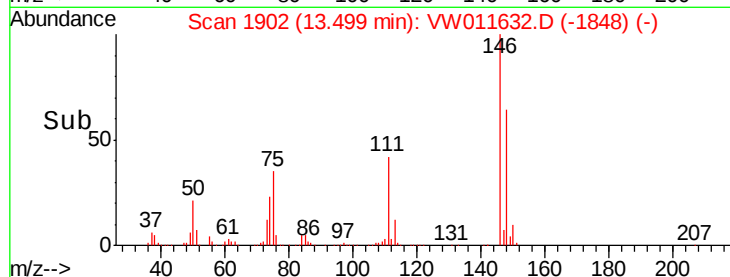
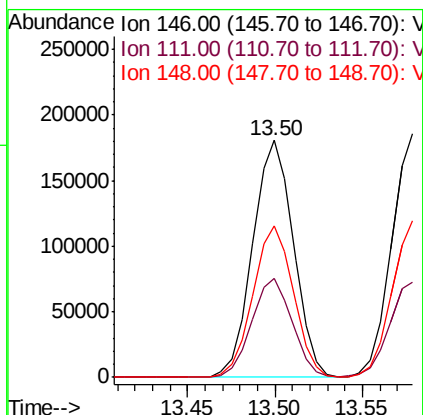
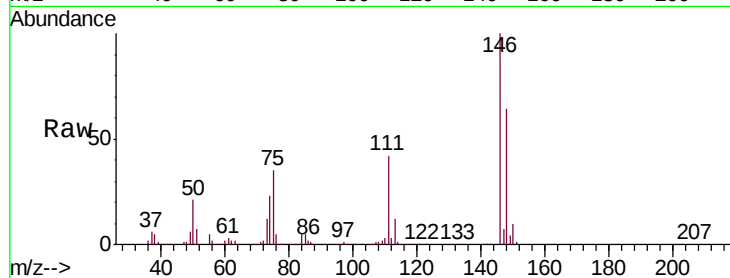




#63
1,3-Dichlorobenzene
Concen: 26.615 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW011632.D
Acq: 02 Aug 2019 19:12

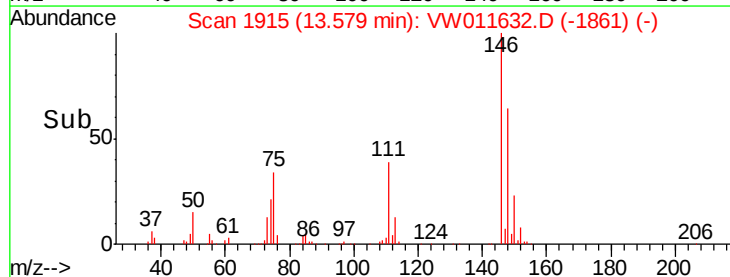
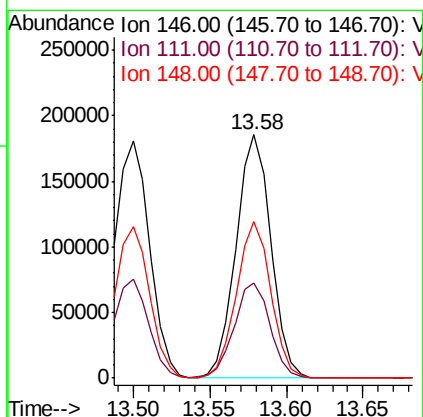
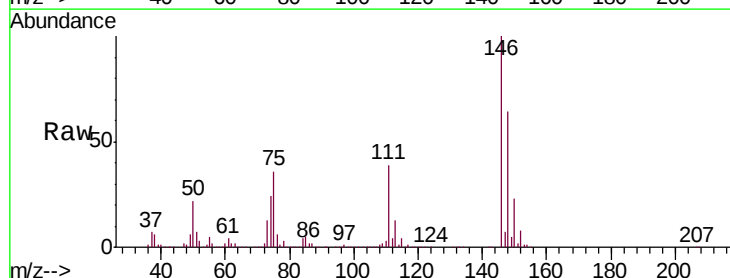
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

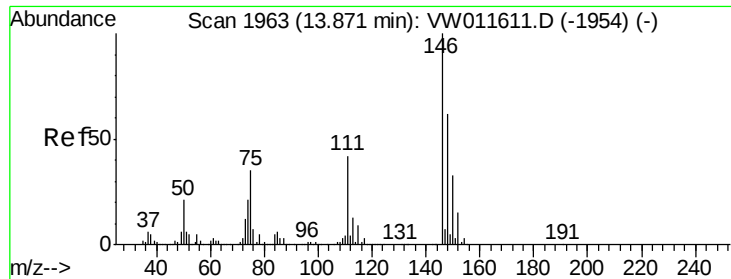
Tgt Ion:146 Resp: 292686
Ion Ratio Lower Upper
146 100
111 41.8 28.6 53.2
148 63.7 44.4 82.5



#64
1,4-Dichlorobenzene
Concen: 26.522 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW011632.D
Acq: 02 Aug 2019 19:12

Tgt Ion:146 Resp: 292889
Ion Ratio Lower Upper
146 100
111 39.1 27.4 51.0
148 64.1 44.4 82.5

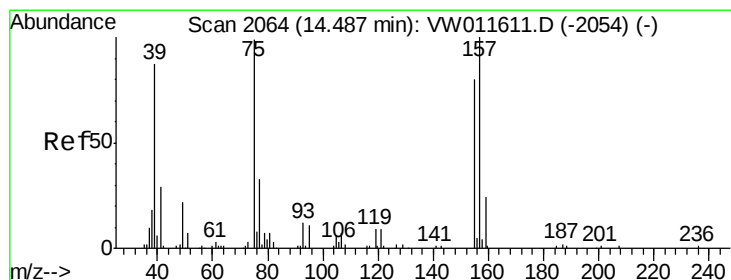
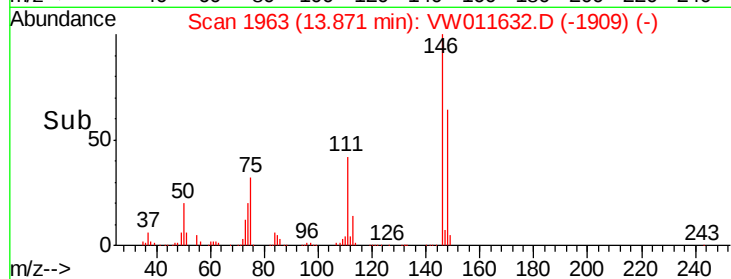
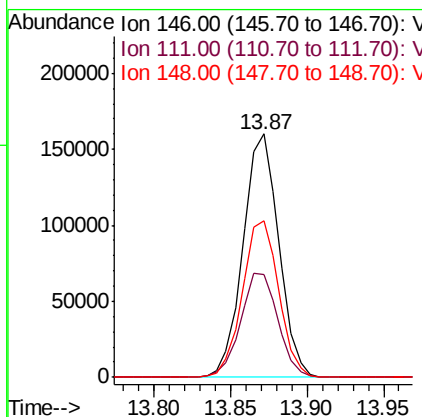
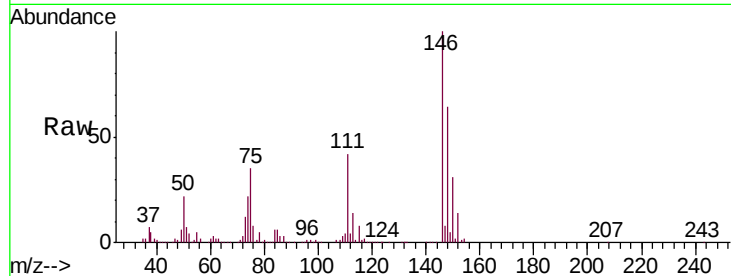




#65
 1,2-Dichlorobenzene
 Concen: 26.045 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

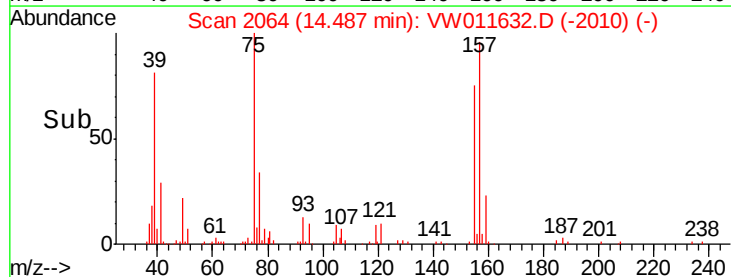
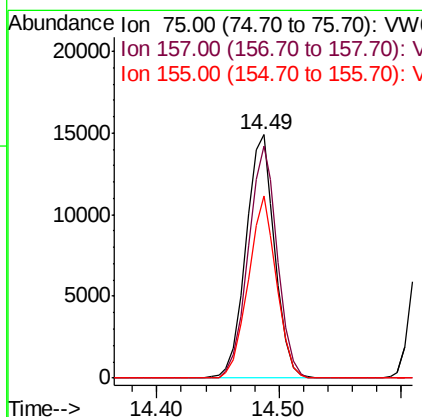
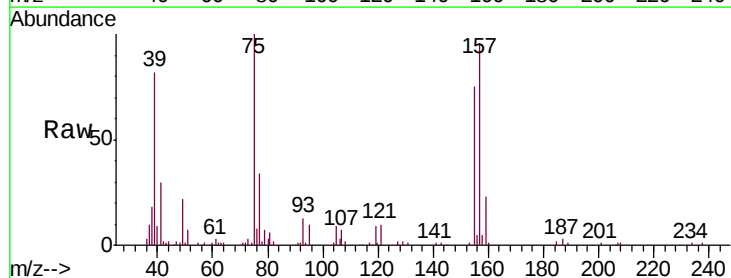
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

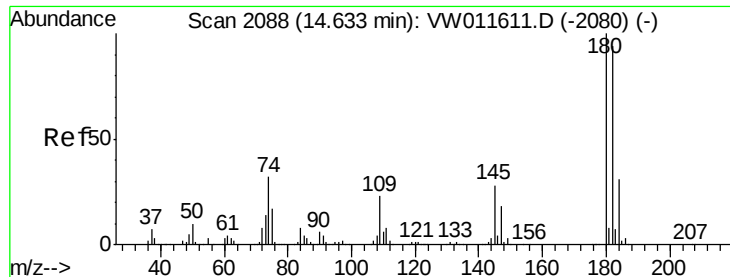
Tgt Ion: 146 Resp: 259350
 Ion Ratio Lower Upper
 146 100
 111 42.0 34.6 51.8
 148 64.1 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.558 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

Tgt Ion: 75 Resp: 24280
 Ion Ratio Lower Upper
 75 100
 157 95.5 79.3 118.9
 155 74.9 59.9 89.9

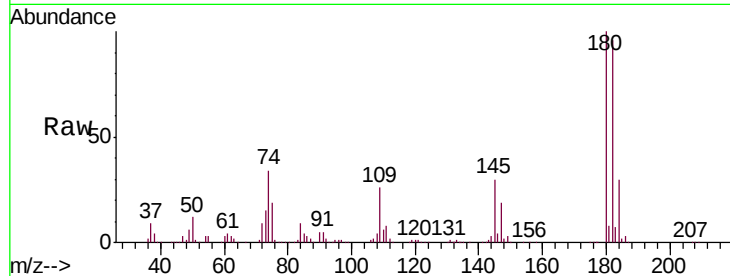




#67
 1,3,5-Trichlorobenzene
 Concen: 26.807 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.9	113.9
184	30.5	24.2	36.2
145	30.0	23.0	34.6



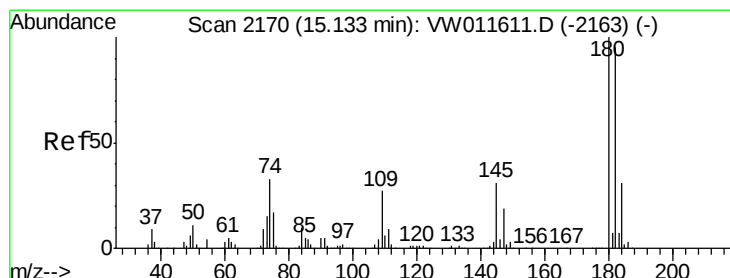
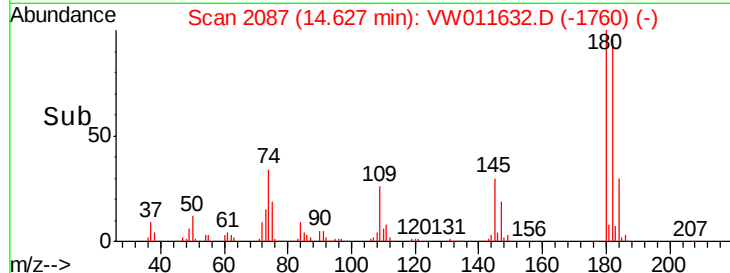
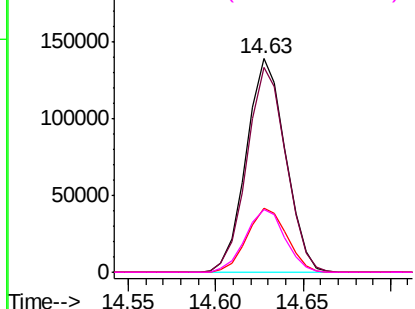
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

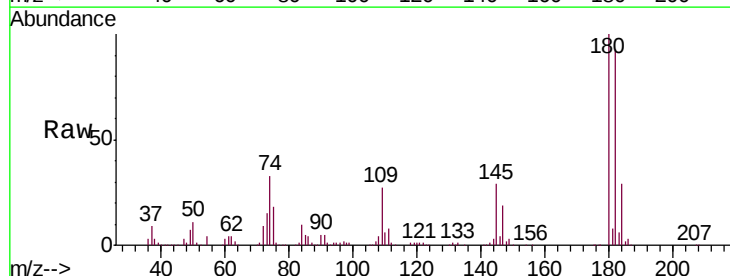
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.890 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011632.D
 Acq: 02 Aug 2019 19:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.3	115.9
145	29.2	24.3	36.5

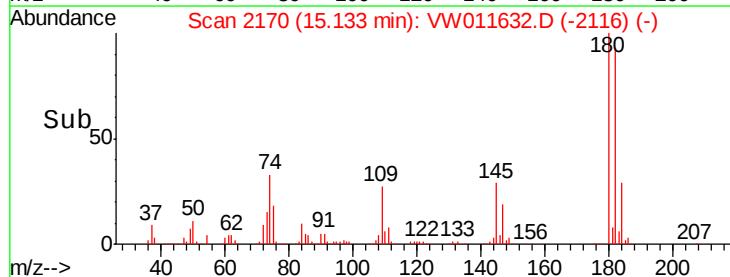
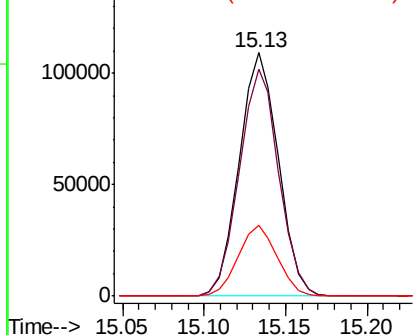


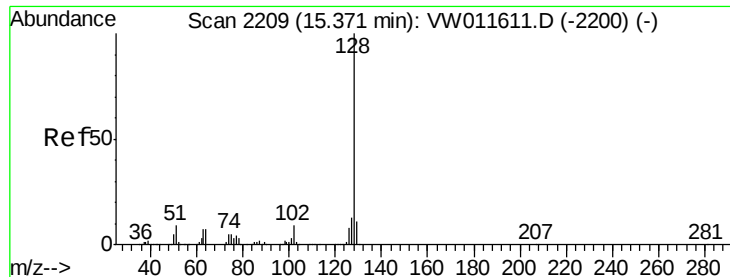
Abundance

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: 26.239 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

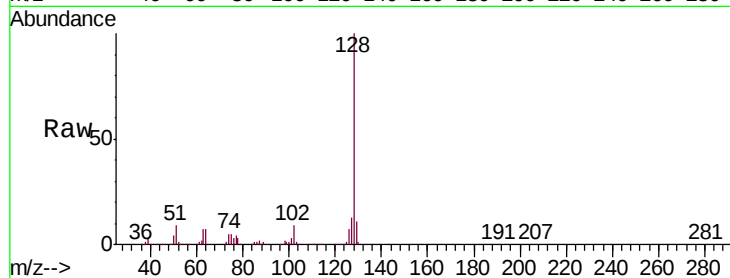
Tgt Ion:128 Resp: 344449

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.4 10.6 16.0

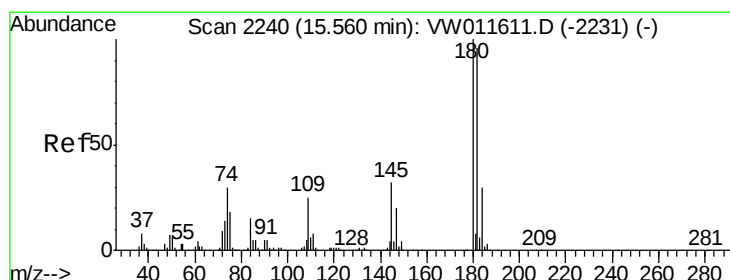
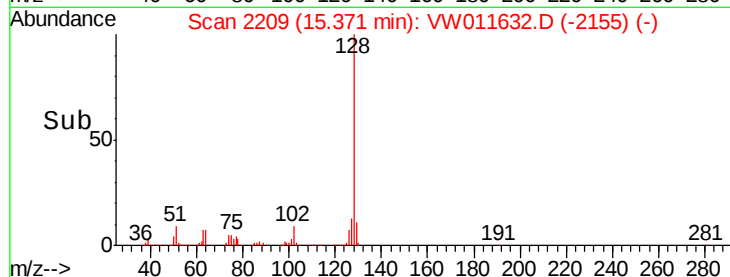
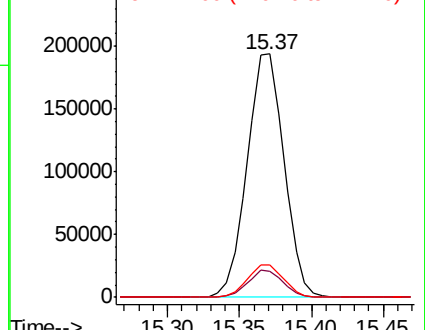


Abundance

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: 26.903 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011632.D

Acq: 02 Aug 2019 19:12

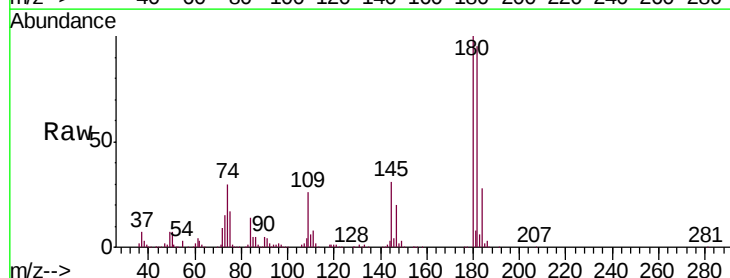
Tgt Ion:180 Resp: 162422

Ion Ratio Lower Upper

180 100

182 94.9 74.9 112.3

145 31.8 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

