

Data File : VW012944.D
Acq On : 12 Sep 2019 19:50
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Quant Time: Sep 13 02:52:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091219S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 13 02:47:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	378495	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	321615	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	152501	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	103020	27.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.28%
7) Chloroethane-d5	2.89	69	84170	26.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.52%
10) 1,1-Dichloroethene-d2	4.02	63	246204	27.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	108.20%
20) 2-Butanone-d5	7.07	46	58335	40.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.96%
24) Chloroform-d	7.65	84	236443	24.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	8.30	65	114294	22.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.40%
29) Benzene-d6	8.27	84	430254	26.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.88%
33) 1,2-Dichloropropane-d6	9.27	67	134380	24.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.20%
37) Toluene-d8	10.32	98	411678	26.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.40%
38) trans-1,3-Dichloropropene-	10.58	79	54149	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.76%
39) 2-Hexanone-d5	10.92	63	41848	40.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	87257	21.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	142586	24.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	92864	31.783 ug/L	95
3) Chloromethane	2.21	50	101772	25.529 ug/L	99
5) Vinyl chloride	2.36	62	143365	27.848 ug/L	100
6) Bromomethane	2.78	94	80547	26.196 ug/L	100
8) Chloroethane	2.92	64	82567	26.599 ug/L	98
9) Trichlorofluoromethane	3.26	101	81979	26.563 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	120947	26.761 ug/L	99
12) 1,1-Dichloroethene	4.04	96	117932	26.129 ug/L	95
13) Acetone	4.12	43	46201	37.665 ug/L	93
14) Carbon disulfide	4.38	76	365668	27.098 ug/L	99
15) Methyl Acetate	4.67	43	43377	18.934 ug/L	97
16) Methylene chloride	4.91	84	113713	22.005 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	173017	22.033 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	123718	25.557 ug/L	95
19) 1,1-Dichloroethane	6.21	63	233958	25.508 ug/L	100
21) 2-Butanone	7.16	43	61488	38.050 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	125917	24.521 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	49040	22.043	ug/L	96
25) Chloroform	7.68	83	223457	24.194	ug/L	100
27) 1,2-Dichloroethane	8.40	62	141468	22.665	ug/L	99
30) Cyclohexane	7.95	56	238319	27.802	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	199843	27.260	ug/L	99
32) Carbon tetrachloride	8.07	117	189410	27.671	ug/L	99
34) Benzene	8.32	78	500226	25.865	ug/L	100
35) Trichloroethene	9.09	95	135408	26.529	ug/L	99
36) Methylcyclohexane	9.34	83	242204	27.441	ug/L	98
40) 1,2-Dichloropropane	9.37	63	116777	24.005	ug/L	100
41) Bromodichloromethane	9.64	83	151305	24.415	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	180665	23.637	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	127262	41.122	ug/L	100
44) Toluene	10.38	91	540773	26.131	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	140253	22.639	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	71831	21.957	ug/L	97
47) Tetrachloroethene	10.86	164	114702	26.098	ug/L	99
49) 2-Hexanone	10.96	43	88732	38.788	ug/L	98
50) Dibromochloromethane	11.13	129	90547	22.726	ug/L	98
51) 1,2-Dibromoethane	11.23	107	66222	21.044	ug/L	95
52) Chlorobenzene	11.66	112	314280	24.307	ug/L	99
53) Ethylbenzene	11.73	91	611726	26.046	ug/L	99
54) m,p-Xylene	11.84	106	223191	25.417	ug/L	99
55) o-xylene	12.16	106	207101	25.070	ug/L	100
56) Styrene	12.18	104	347845	24.746	ug/L	95
57) Isopropylbenzene	12.46	105	596334	26.288	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	77616	20.859	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	58162	20.284	ug/L	100
62) Bromoform	12.35	173	48882	22.429	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	241810	25.032	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	236855	24.578	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	208950	24.120	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	12266	20.431	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	182451	24.554	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	130431	22.142	ug/L	97
69) Naphthalene	15.37	128	192839	20.214	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	111472	21.448	ug/L	100

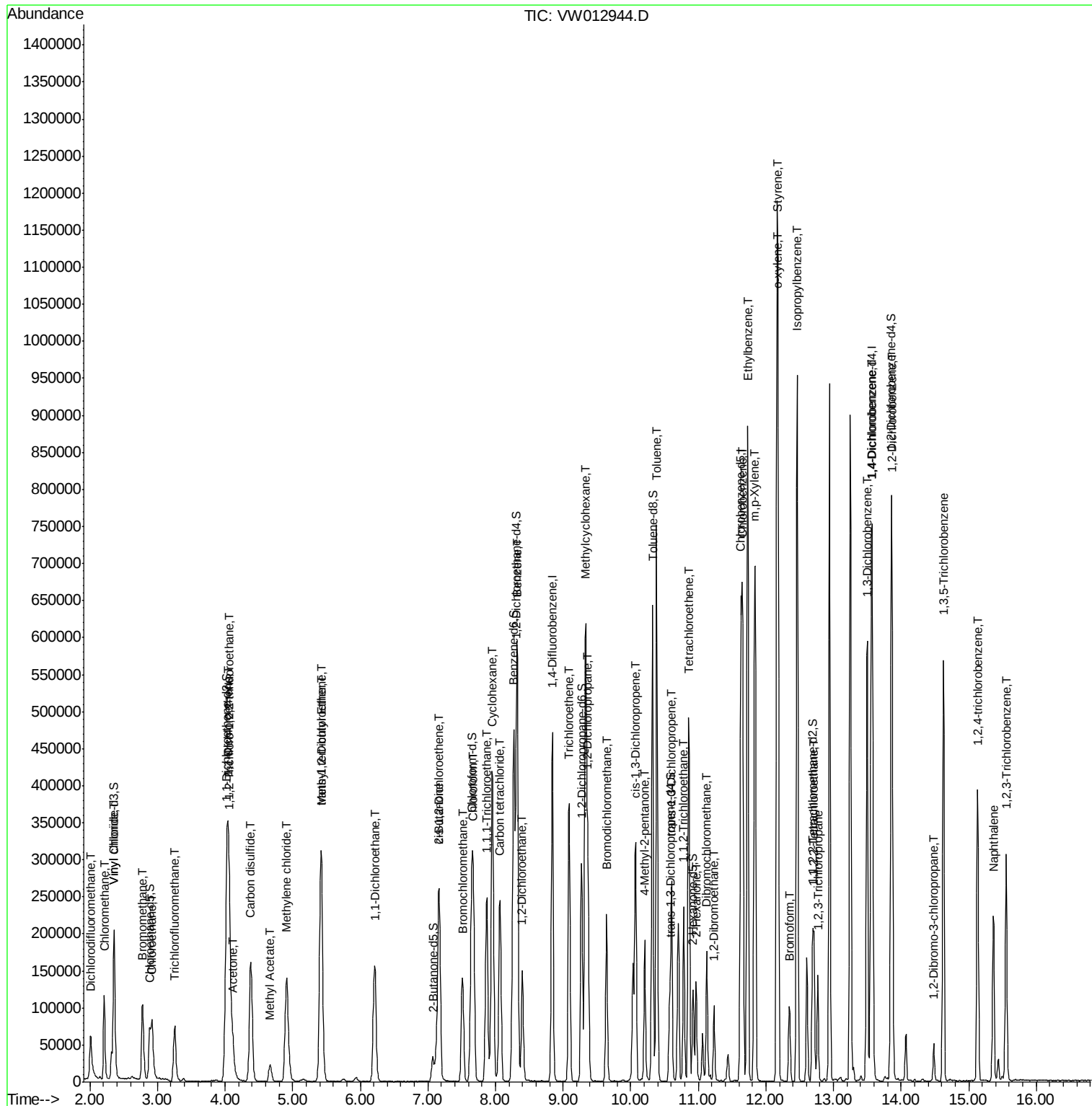
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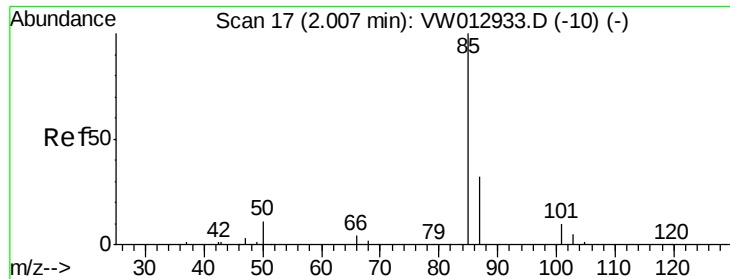
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#2

Dichlorodifluoromethane

Concen: 31.783 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

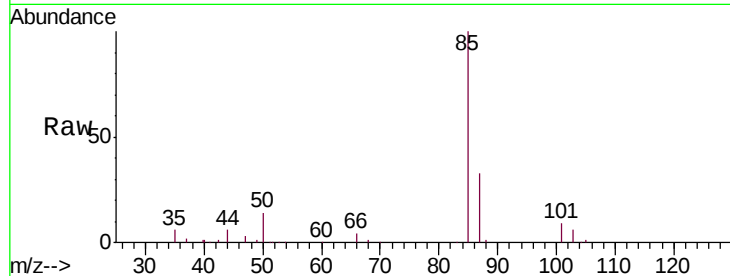
VSTD02508

Tgt Ion: 85 Resp: 92864

Ion Ratio Lower Upper

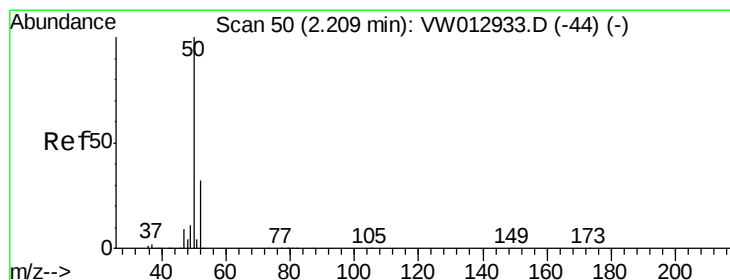
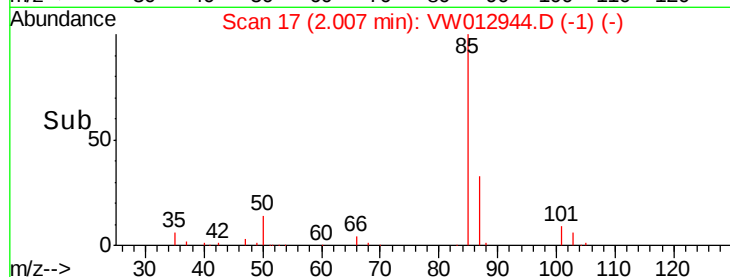
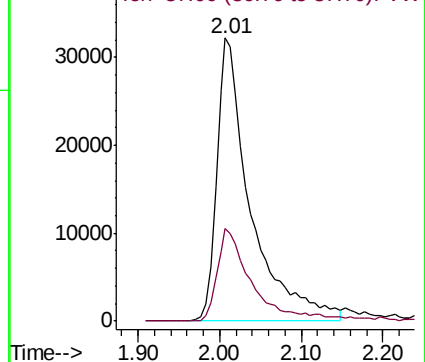
85 100

87 31.4 20.1 37.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 25.529 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012944.D

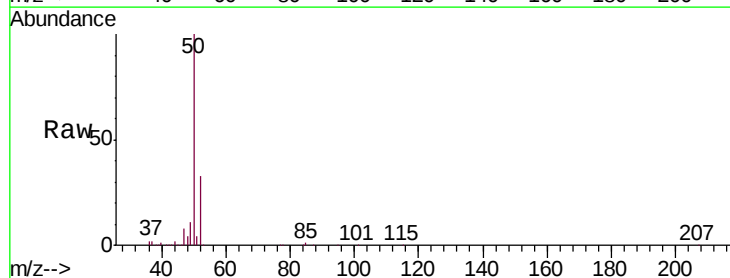
Acq: 12 Sep 2019 19:50

Tgt Ion: 50 Resp: 101772

Ion Ratio Lower Upper

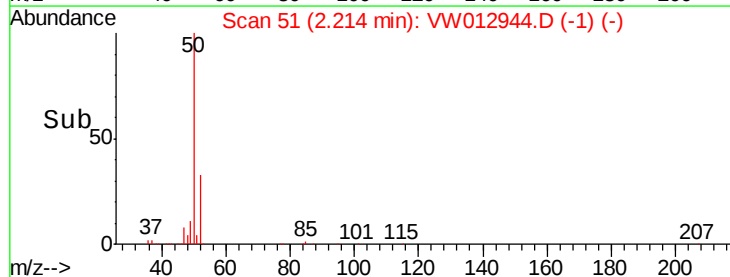
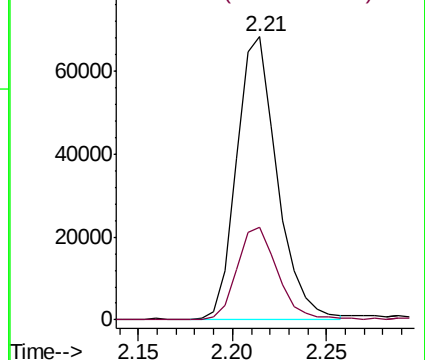
50 100

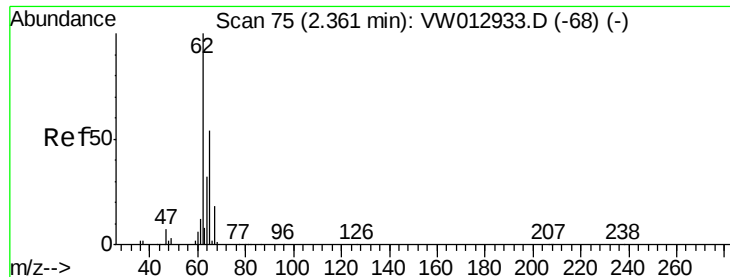
52 33.0 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.848 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

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ClientSampleId :

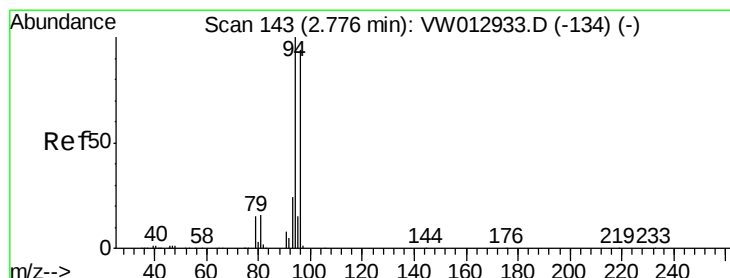
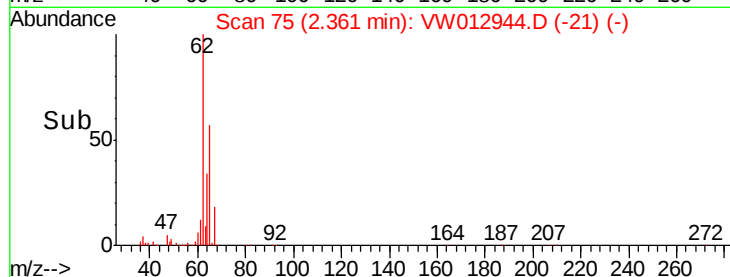
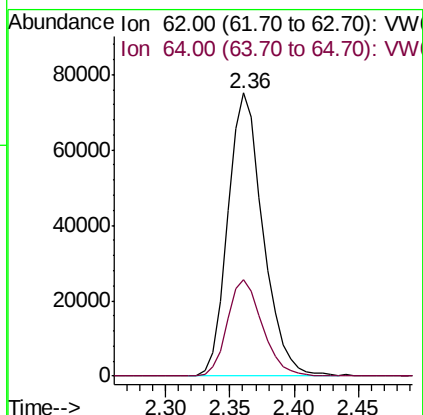
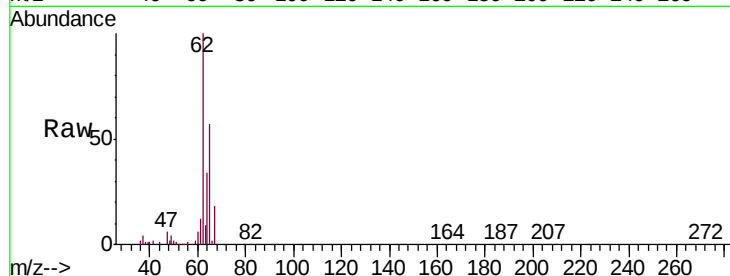
VSTD02508

Tgt Ion: 62 Resp: 143365

Ion Ratio Lower Upper

62 100

64 34.0 23.7 44.1



#6

Bromomethane

Concen: 26.196 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW012944.D

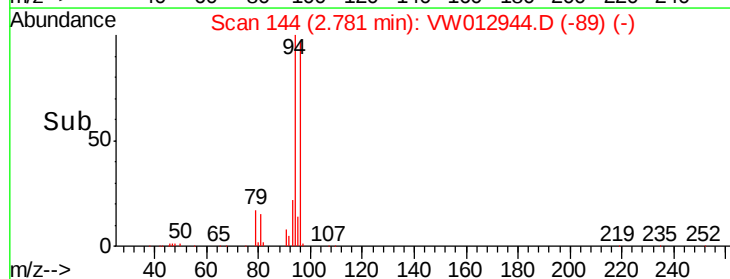
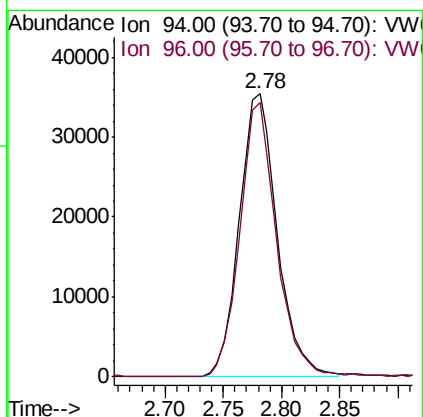
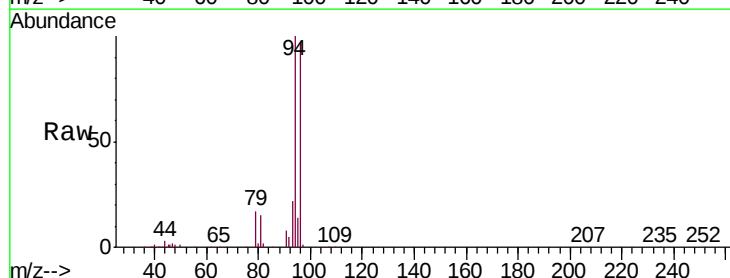
Acq: 12 Sep 2019 19:50

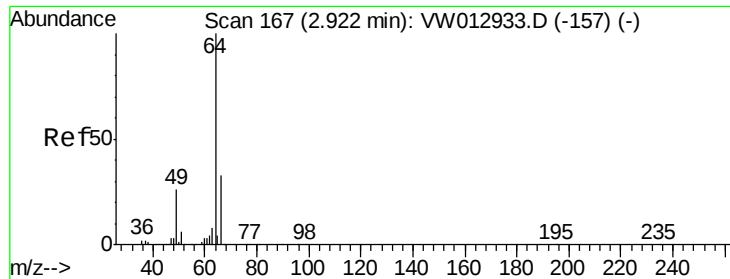
Tgt Ion: 94 Resp: 80547

Ion Ratio Lower Upper

94 100

96 93.4 9.3 176.9





#8

Chloroethane

Concen: 26.599 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

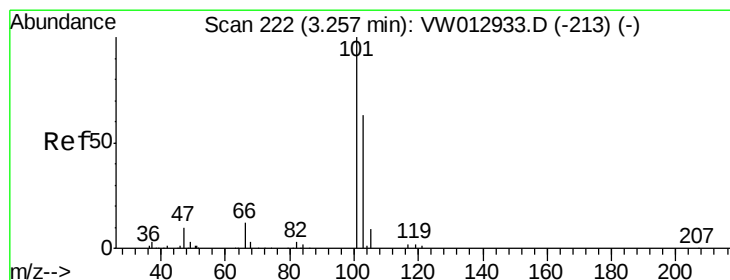
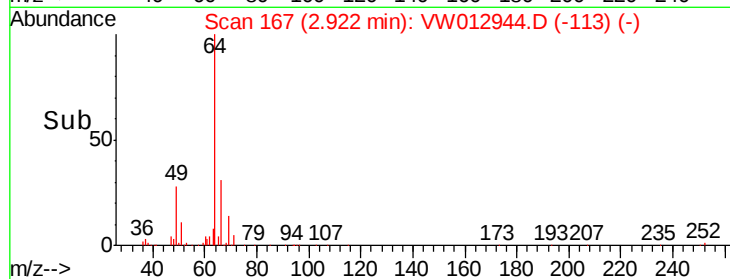
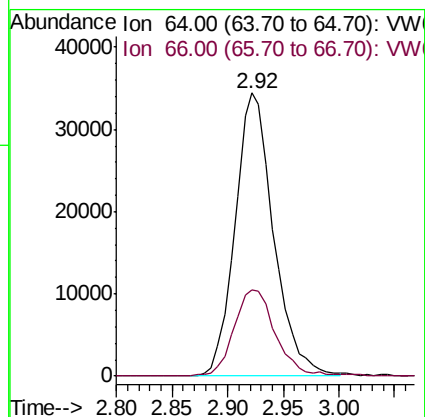
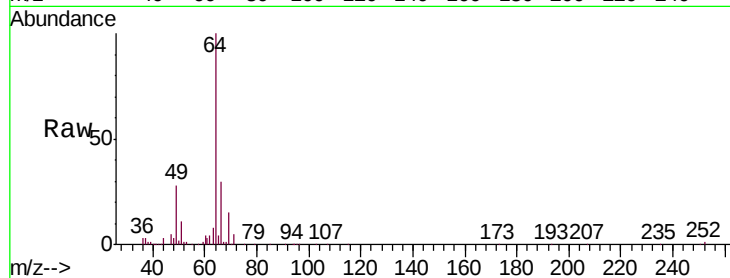
VSTD02508

Tgt Ion: 64 Resp: 82567

Ion Ratio Lower Upper

64 100

66 30.5 22.1 41.1



#9

Trichlorofluoromethane

Concen: 26.563 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW012944.D

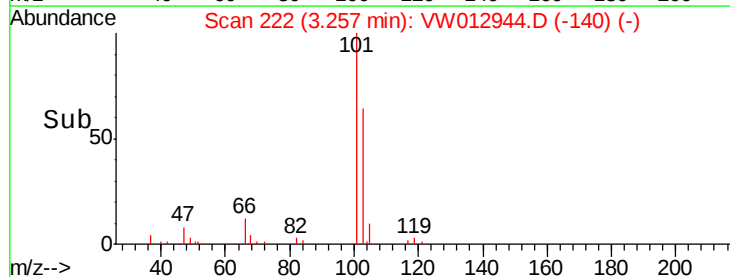
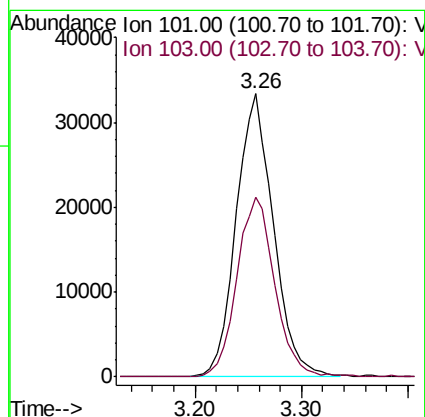
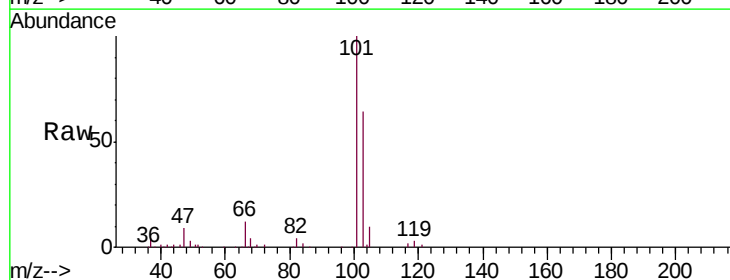
Acq: 12 Sep 2019 19:50

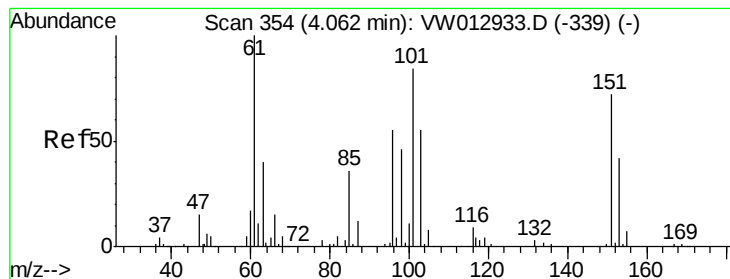
Tgt Ion: 101 Resp: 81979

Ion Ratio Lower Upper

101 100

103 64.4 45.9 85.3





#11

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

Concen: 26.761 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

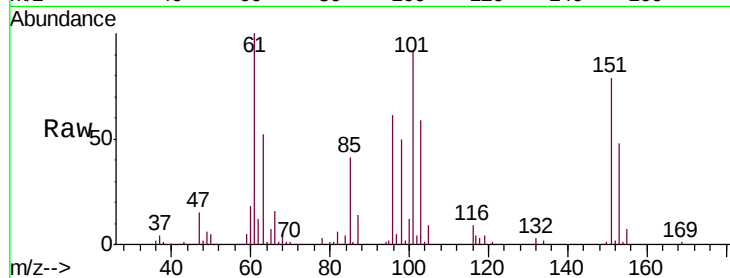
Tgt Ion: 101 Resp: 120947

Ion Ratio Lower Upper

101 100

85 44.6 34.6 52.0

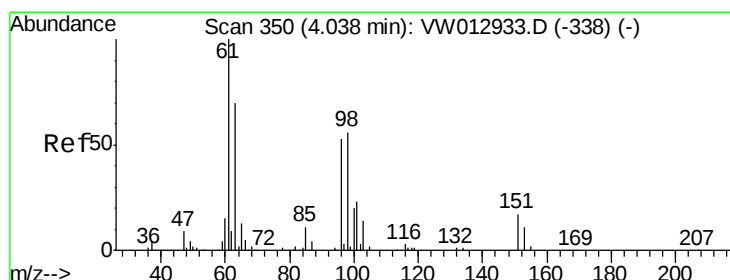
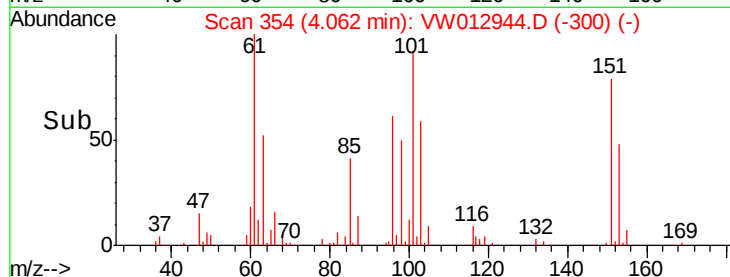
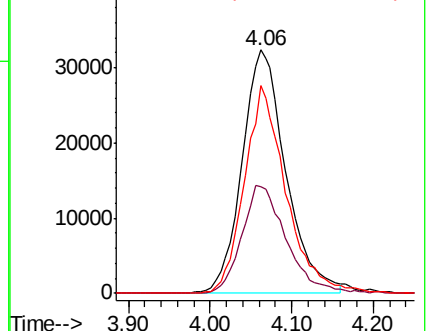
151 81.0 64.8 97.2



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: 26.129 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

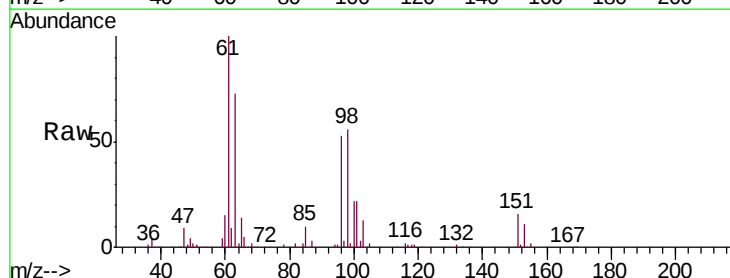
Tgt Ion: 96 Resp: 117932

Ion Ratio Lower Upper

96 100

61 188.4 135.3 251.3

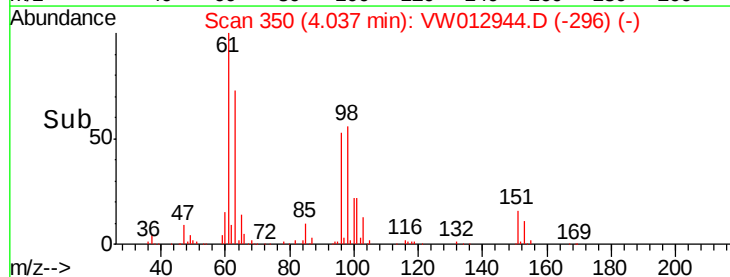
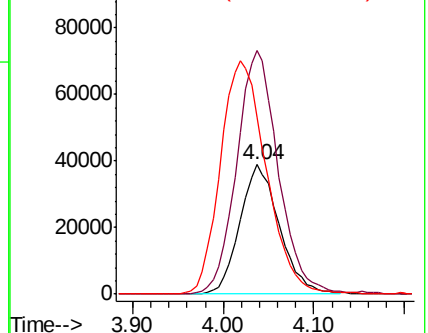
63 137.0 102.0 189.4

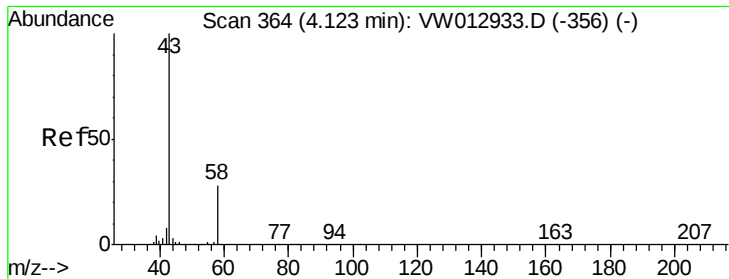


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 37.665 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012944.D

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ClientSampleId :

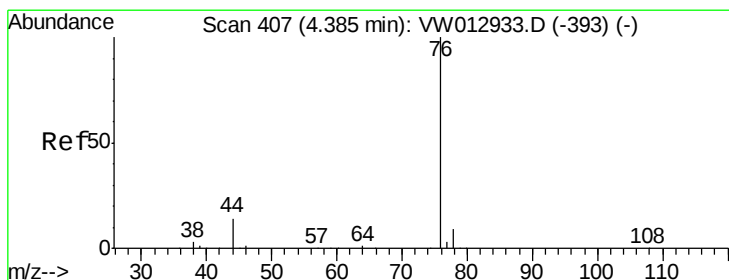
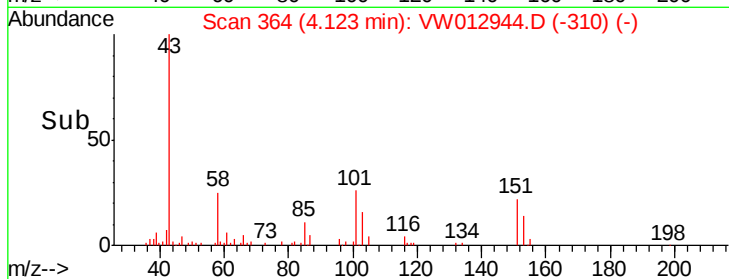
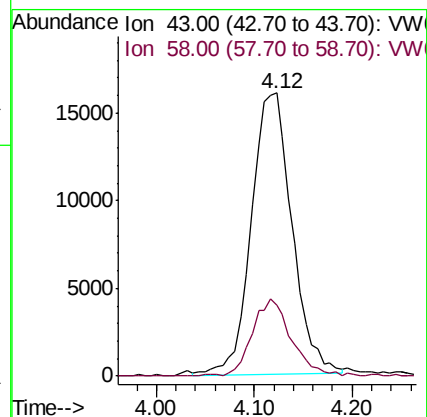
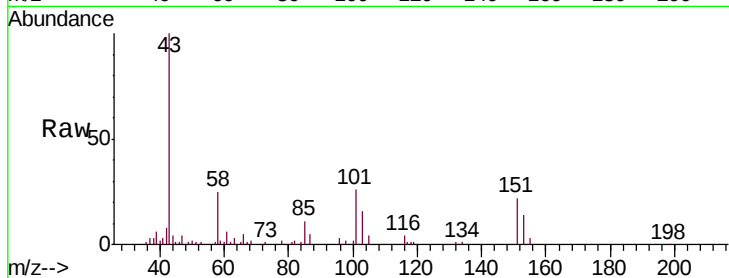
VSTD02508

Tgt Ion: 43 Resp: 46201

Ion Ratio Lower Upper

43 100

58 26.1 0.0 59.4



#14

Carbon disulfide

Concen: 27.098 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012944.D

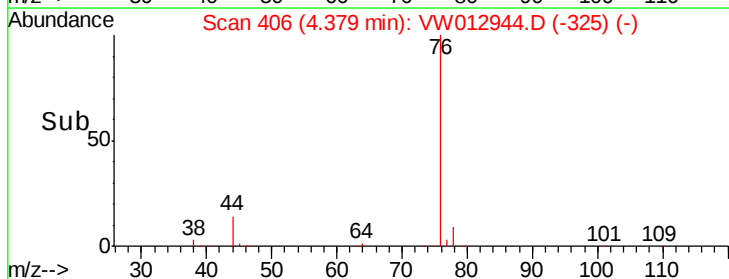
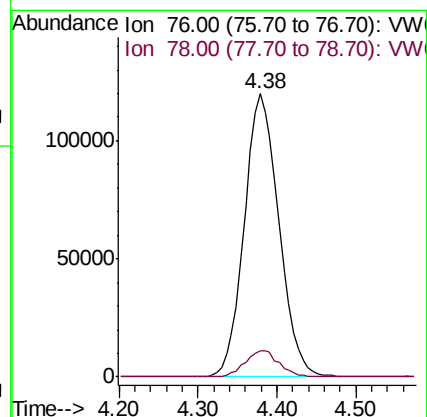
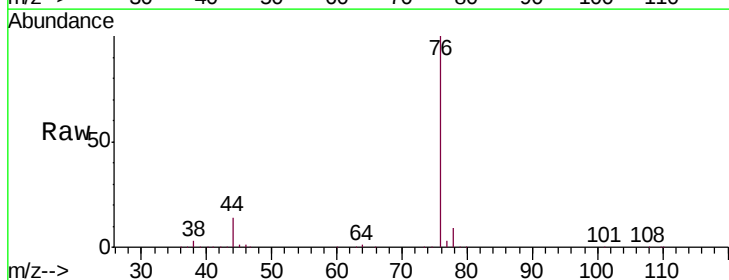
Acq: 12 Sep 2019 19:50

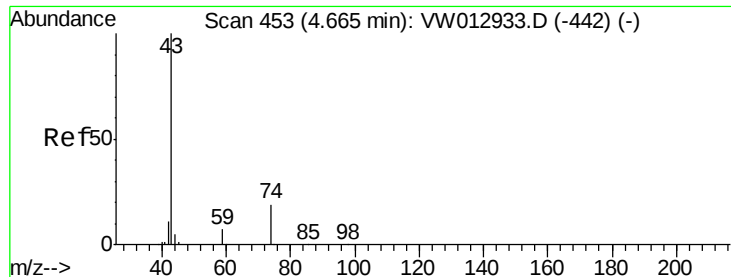
Tgt Ion: 76 Resp: 365668

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

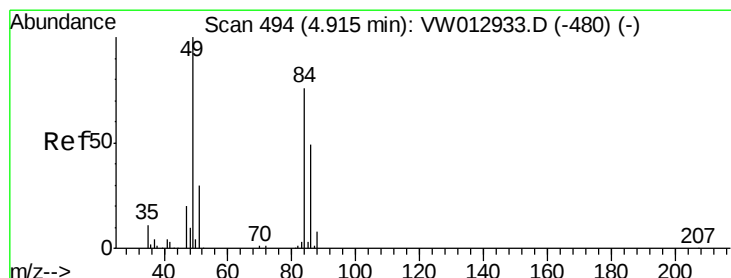
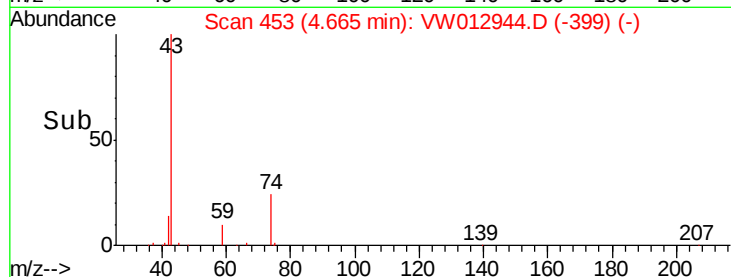
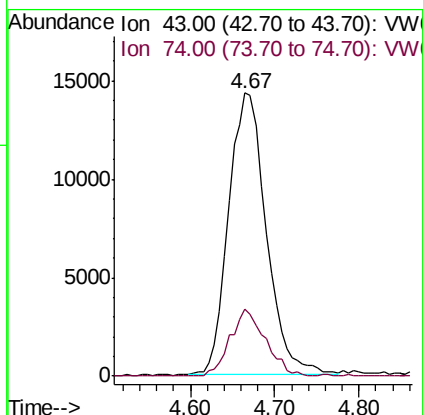
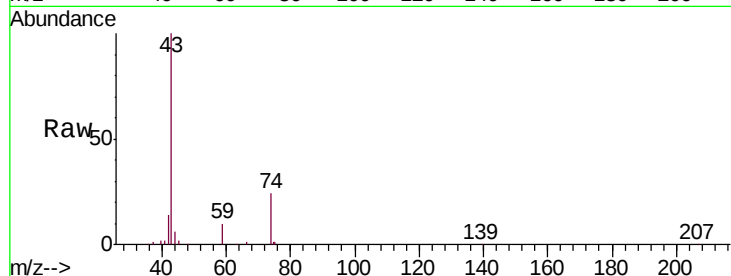




#15
Methyl Acetate
Concen: 18.934 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012944.D
Acq: 12 Sep 2019 19:50

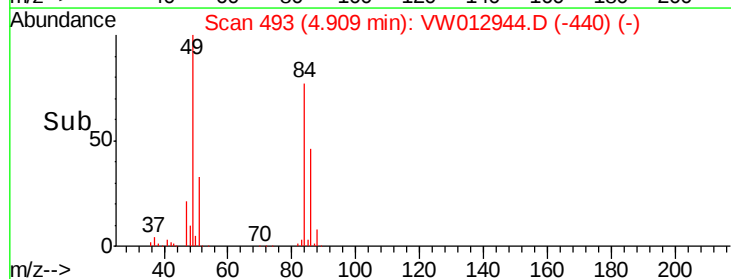
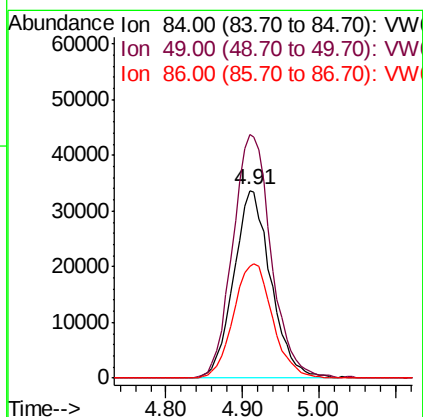
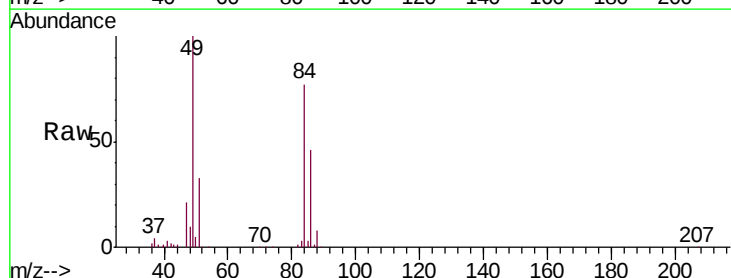
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

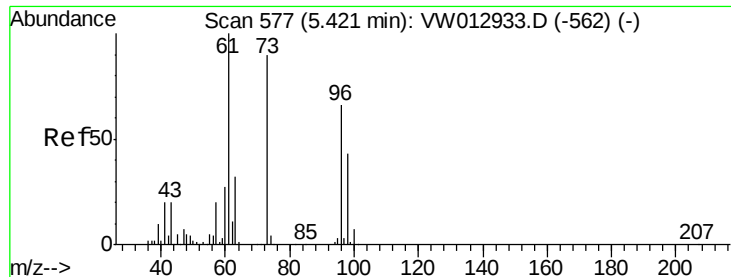
Tgt Ion: 43 Resp: 43377
Ion Ratio Lower Upper
43 100
74 22.0 16.6 25.0



#16
Methylene chloride
Concen: 22.005 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012944.D
Acq: 12 Sep 2019 19:50

Tgt Ion: 84 Resp: 113713
Ion Ratio Lower Upper
84 100
49 129.6 94.7 175.9
86 59.4 44.4 82.4

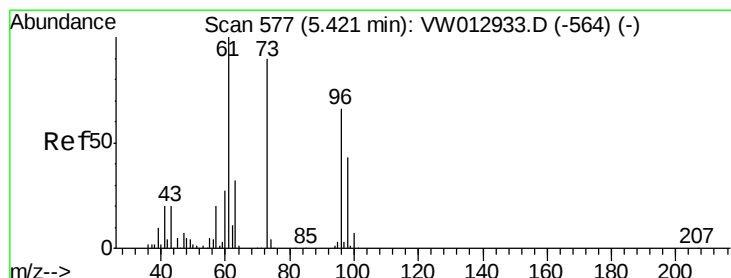
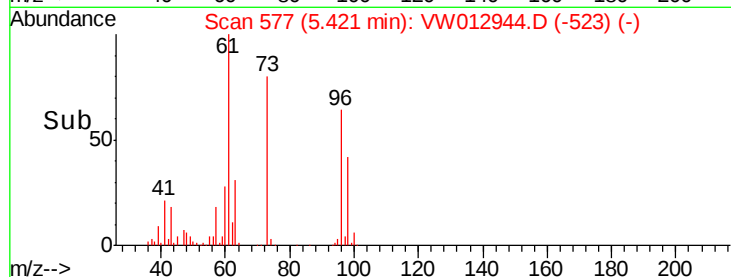
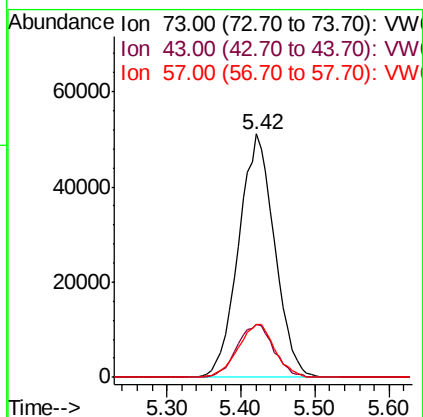
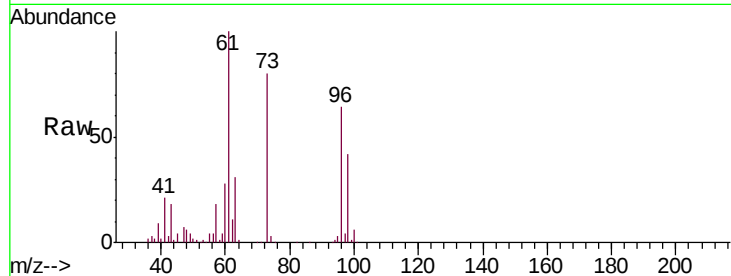




#17
Methyl tert-butyl Ether
Concen: 22.033 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012944.D
Acq: 12 Sep 2019 19:50

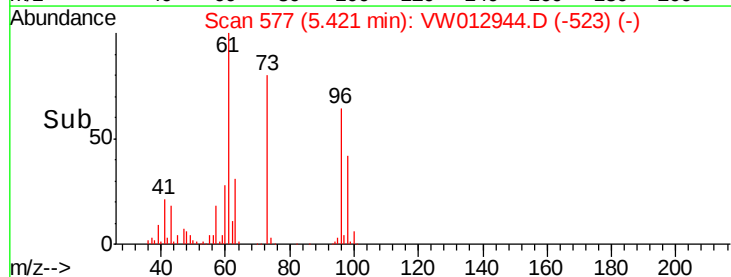
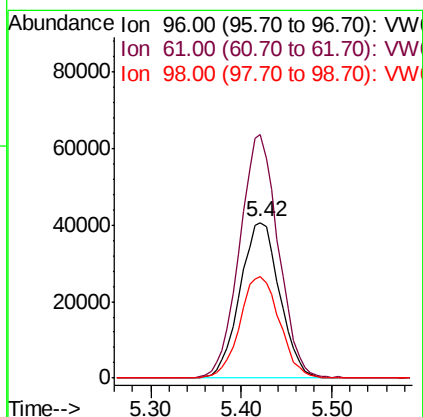
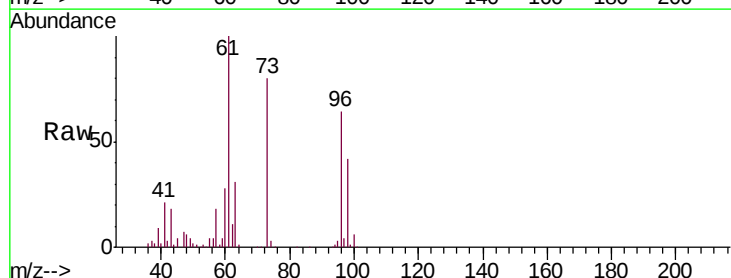
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

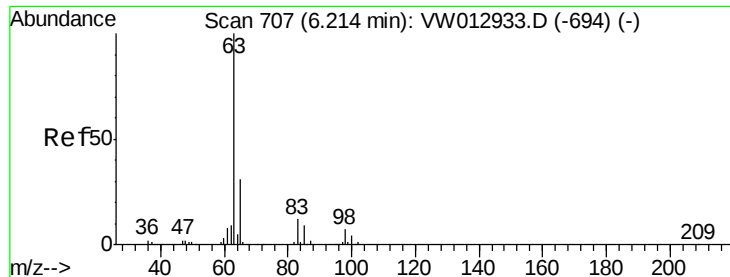
Tgt Ion: 73 Resp: 173017
Ion Ratio Lower Upper
73 100
43 22.2 18.0 27.0
57 22.3 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 25.557 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012944.D
Acq: 12 Sep 2019 19:50

Tgt Ion: 96 Resp: 123718
Ion Ratio Lower Upper
96 100
61 156.8 104.0 193.1
98 65.2 44.0 81.8

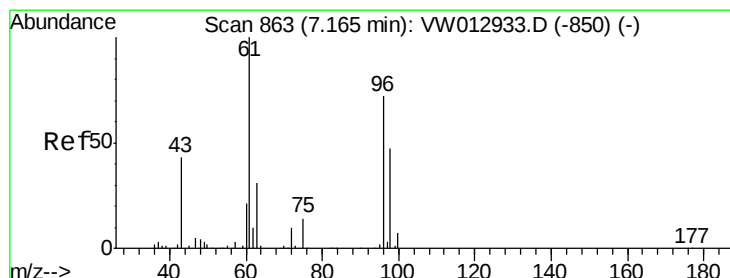
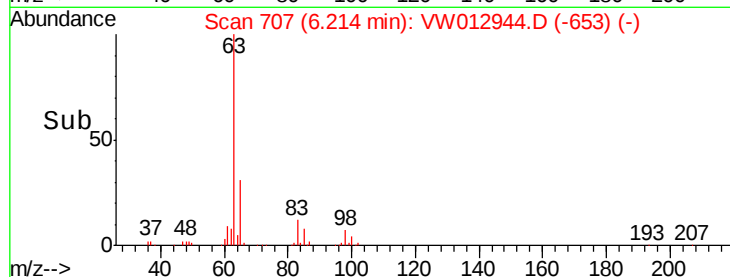
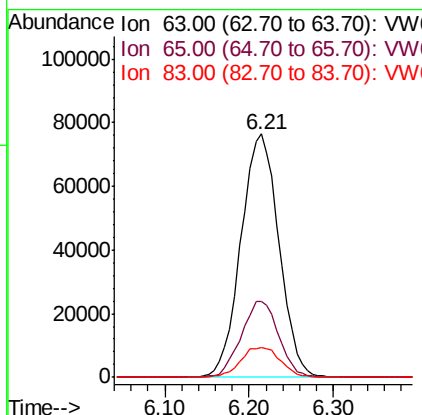
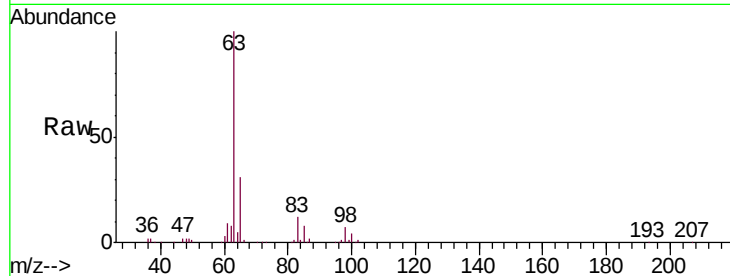




#19
 1,1-Dichloroethane
 Concen: 25.508 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

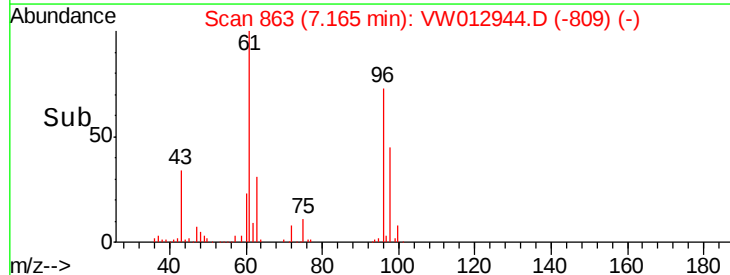
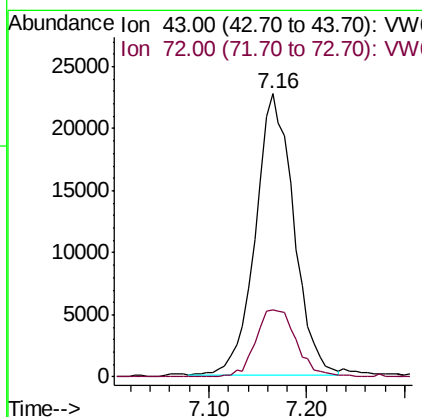
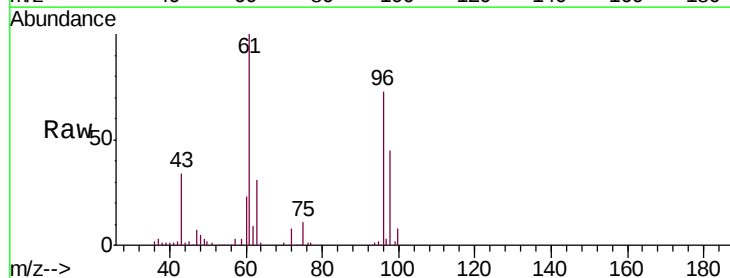
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

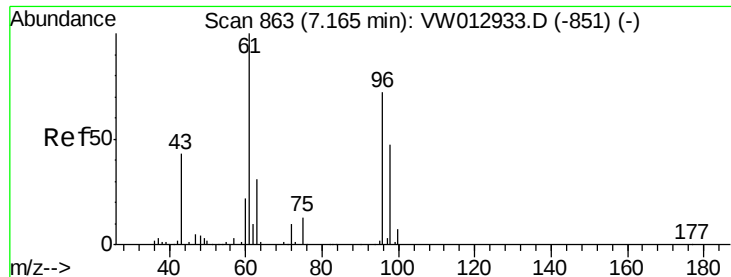
Tgt Ion: 63 Resp: 233958
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 41.0
 83 12.3 8.9 16.5



#21
 2-Butanone
 Concen: 38.050 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

Tgt Ion: 43 Resp: 61488
 Ion Ratio Lower Upper
 43 100
 72 25.3 12.7 38.1

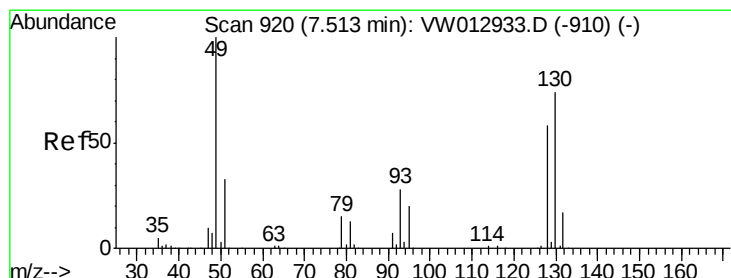
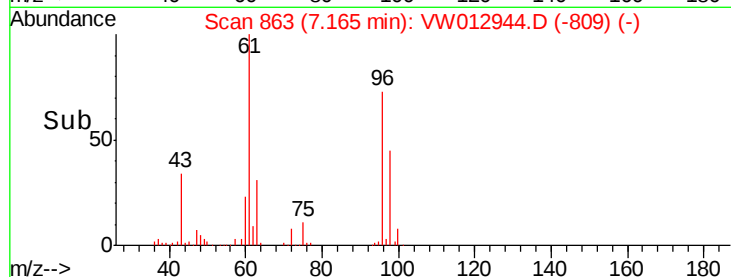
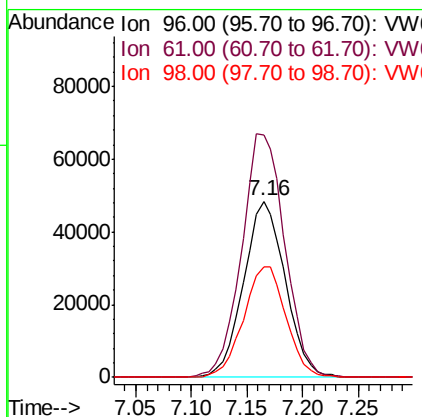
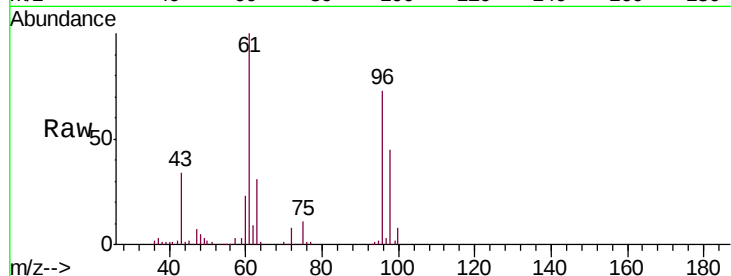




#22
 cis-1,2-Dichloroethene
 Concen: 24.521 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

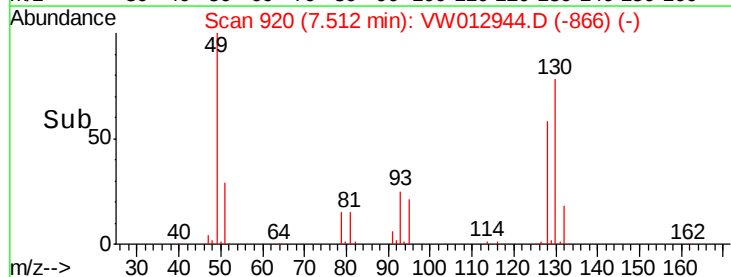
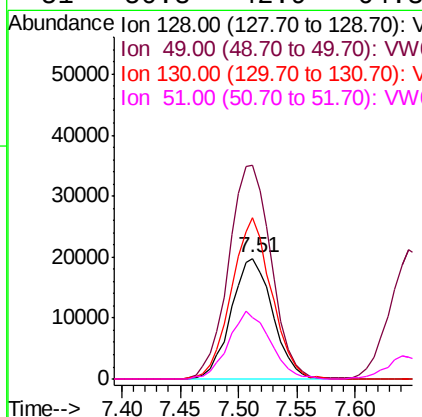
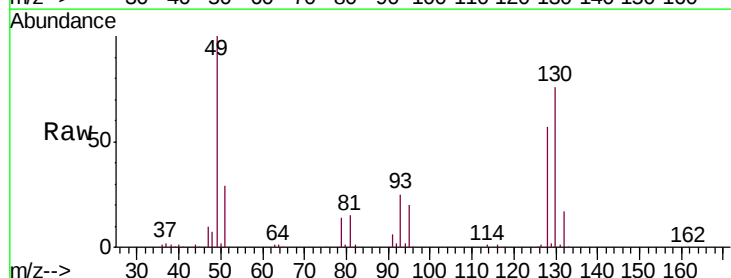
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

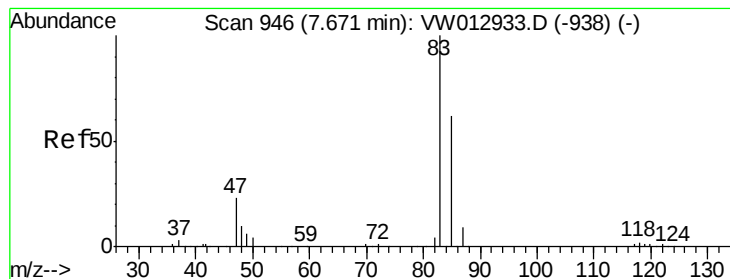
Tgt Ion: 96 Resp: 125917
 Ion Ratio Lower Upper
 96 100
 61 137.7 99.5 184.7
 98 62.4 45.6 84.6



#23
 Bromochloromethane
 Concen: 22.043 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

Tgt Ion: 128 Resp: 49040
 Ion Ratio Lower Upper
 128 100
 49 176.5 125.7 233.5
 130 133.5 89.0 165.4
 51 50.8 42.9 64.3





#25

Chloroform

Concen: 24.194 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

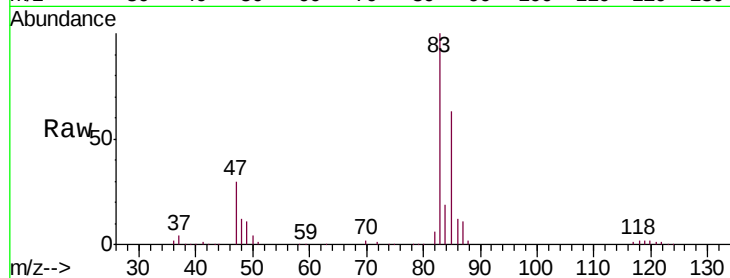
VSTD02508

Tgt Ion: 83 Resp: 223457

Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

100000

80000

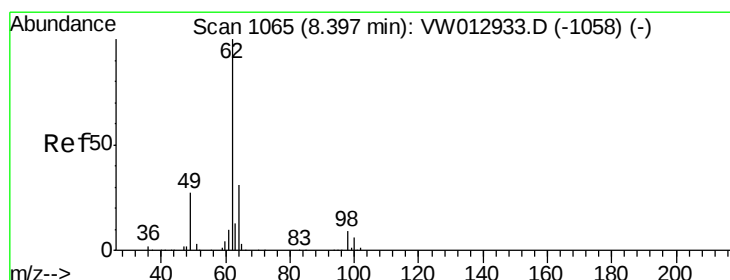
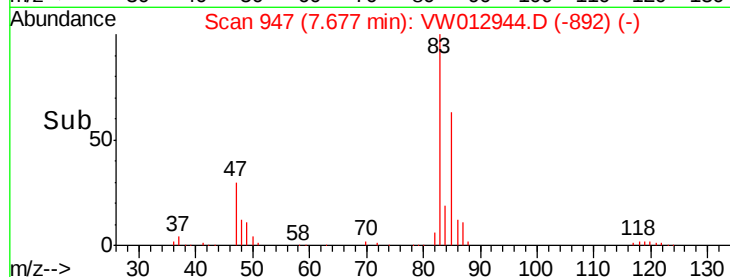
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 22.665 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012944.D

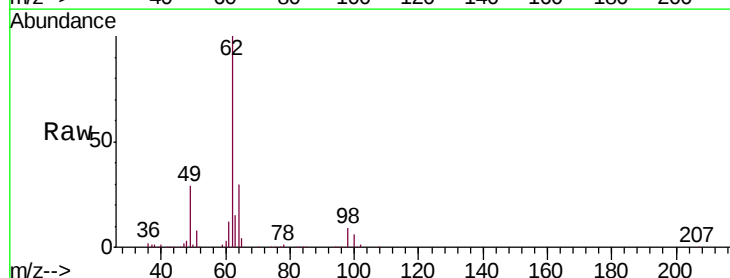
Acq: 12 Sep 2019 19:50

Tgt Ion: 62 Resp: 141468

Ion Ratio Lower Upper

62 100

98 8.6 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

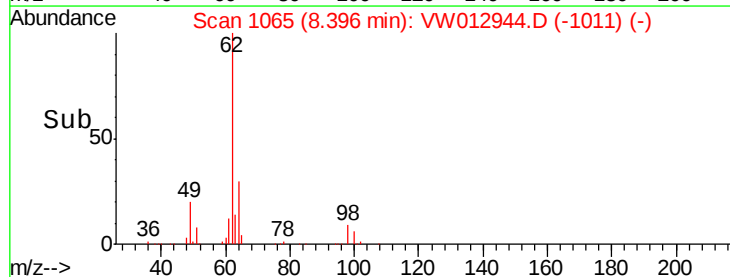
60000

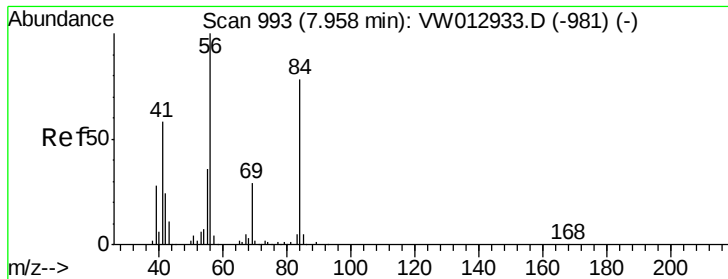
40000

20000

0

Time-->

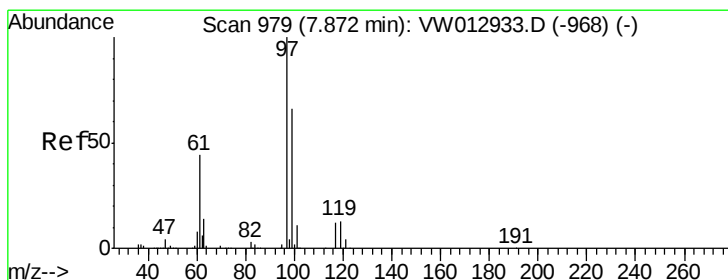
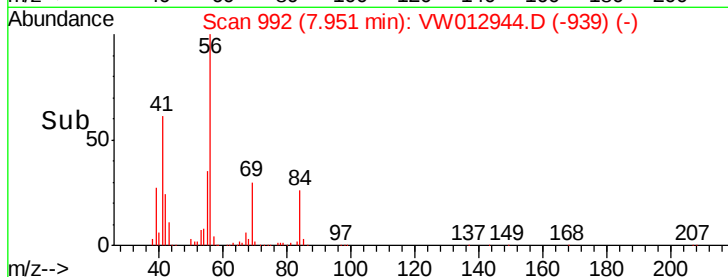
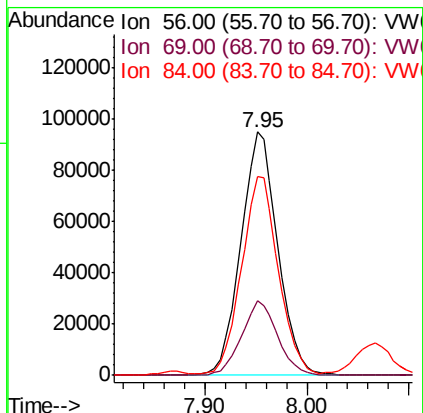
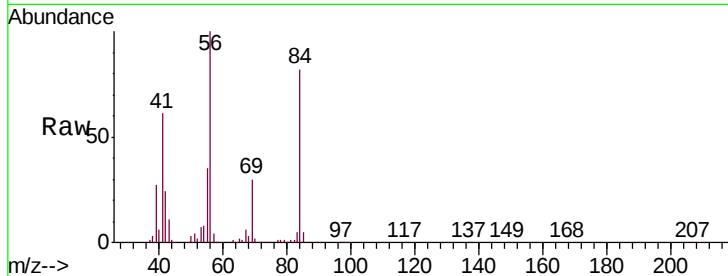




#30
Cyclohexane
Concen: 27.802 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012944.D
Acq: 12 Sep 2019 19:50

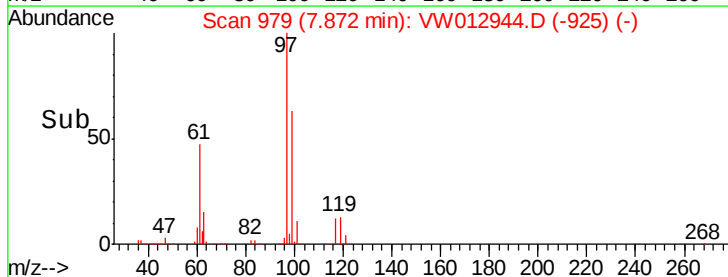
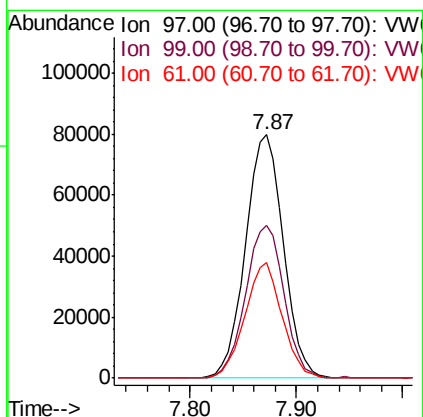
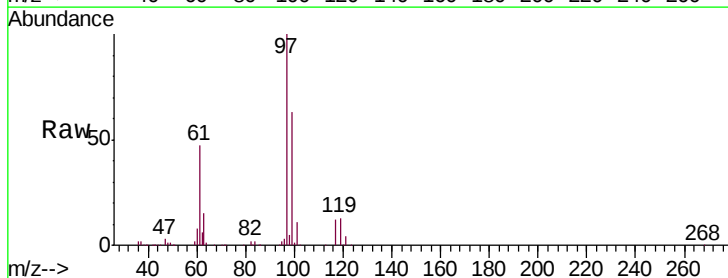
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

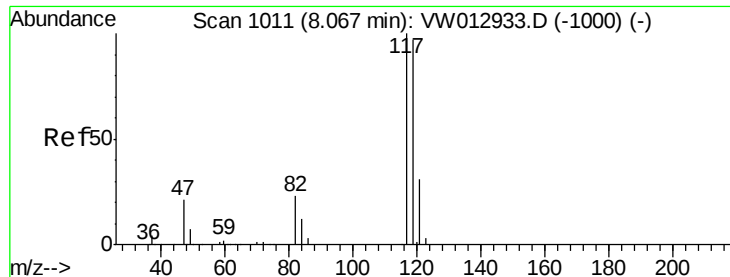
Tgt Ion: 56 Resp: 238319
Ion Ratio Lower Upper
56 100
69 29.7 23.8 35.8
84 81.8 66.6 99.8



#31
1,1,1-Trichloroethane
Concen: 27.260 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012944.D
Acq: 12 Sep 2019 19:50

Tgt Ion: 97 Resp: 199843
Ion Ratio Lower Upper
97 100
99 63.6 50.3 75.5
61 46.4 36.3 54.5





#32

Carbon tetrachloride

Concen: 27.671 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

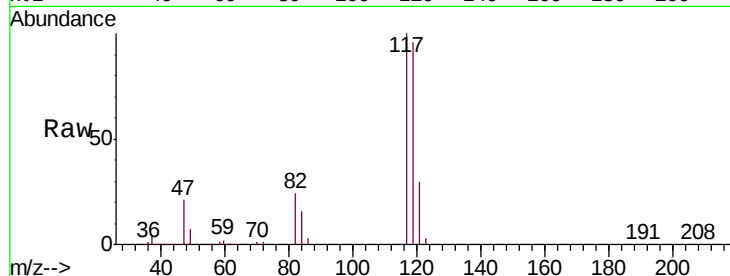
VSTD02508

Tgt Ion:117 Resp: 189410

Ion Ratio Lower Upper

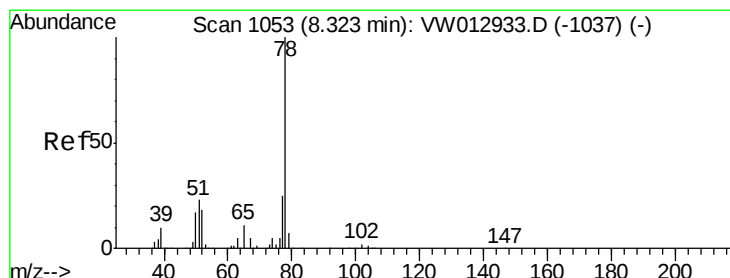
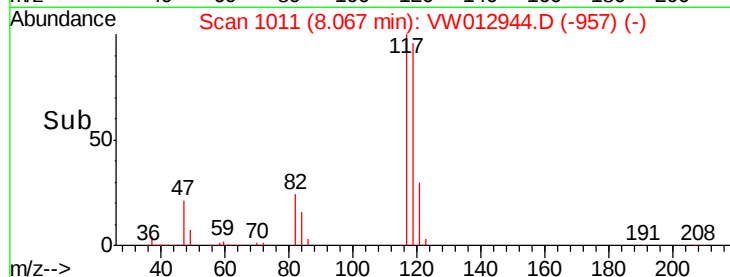
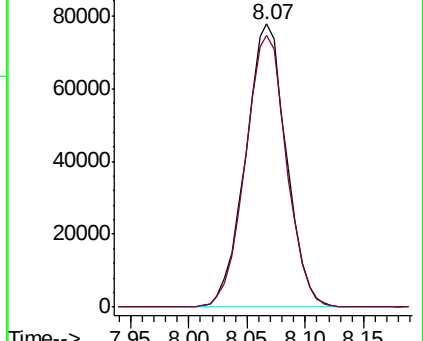
117 100

119 97.0 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.865 ug/L

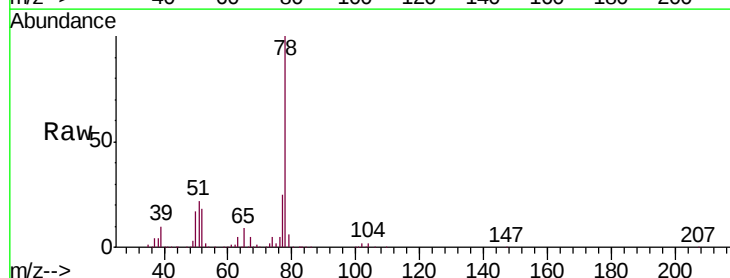
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

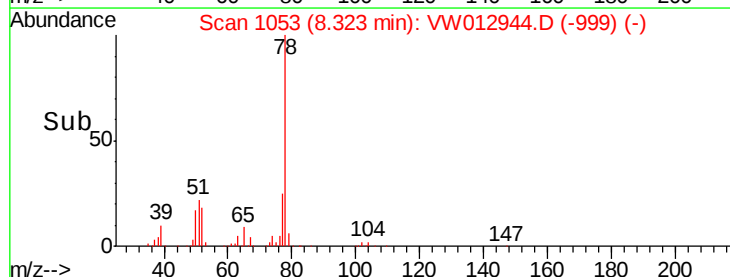
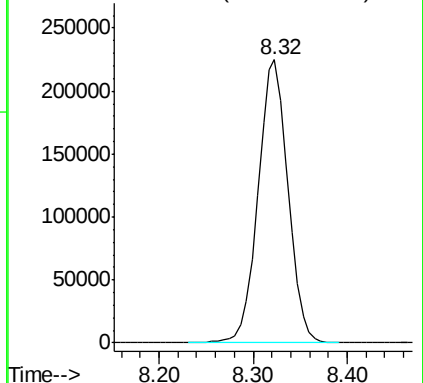
Lab File: VW012944.D

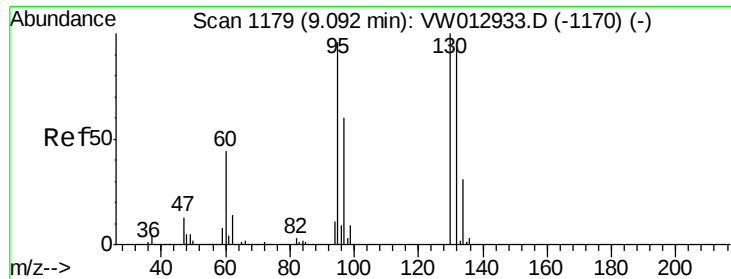
Acq: 12 Sep 2019 19:50

Tgt Ion: 78 Resp: 500226



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.529 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 95 Resp: 135408

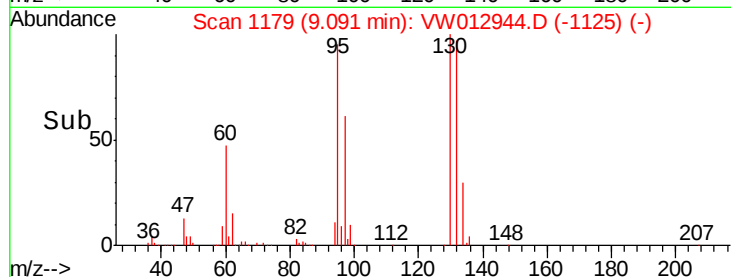
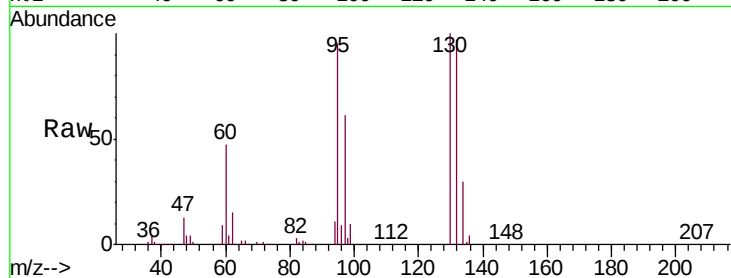
Ion Ratio Lower Upper

95 100

97 63.0 44.6 82.8

132 97.4 67.8 125.8

130 100.7 72.2 134.2

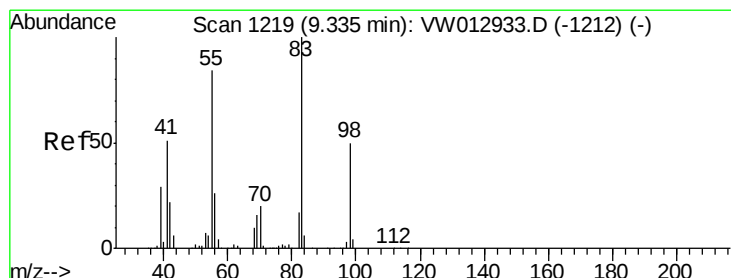
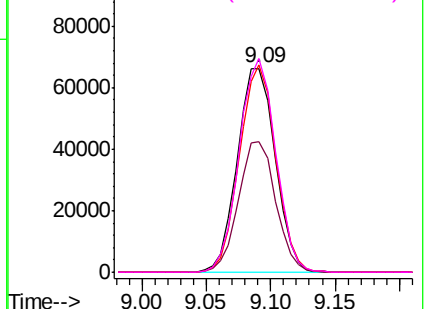


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 27.441 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

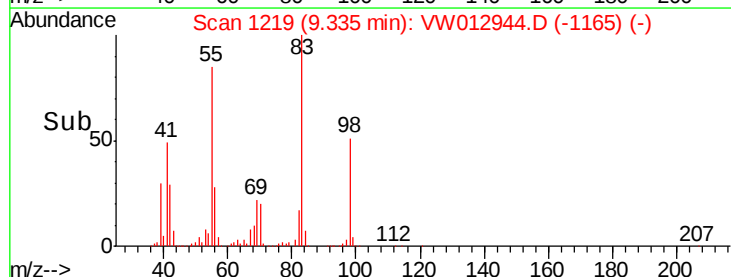
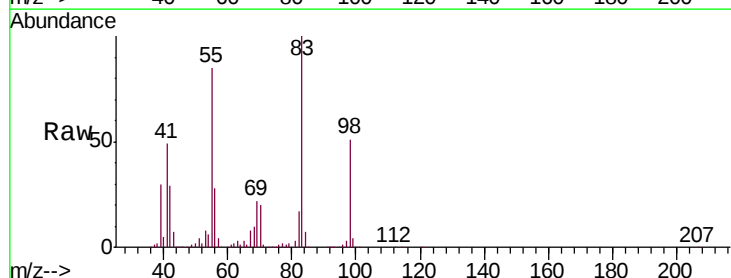
Tgt Ion: 83 Resp: 242204

Ion Ratio Lower Upper

83 100

55 83.8 68.3 102.5

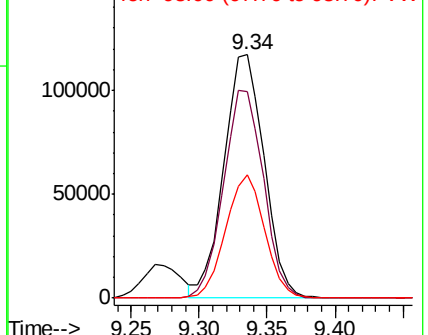
98 49.3 38.5 57.7

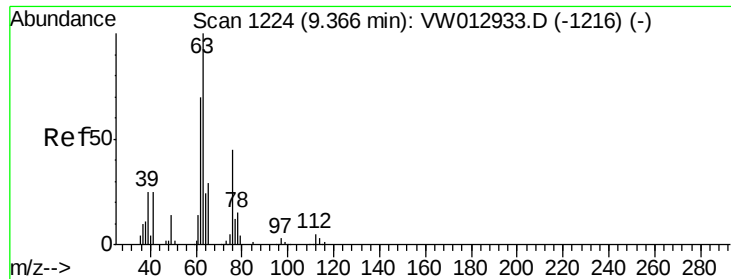


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

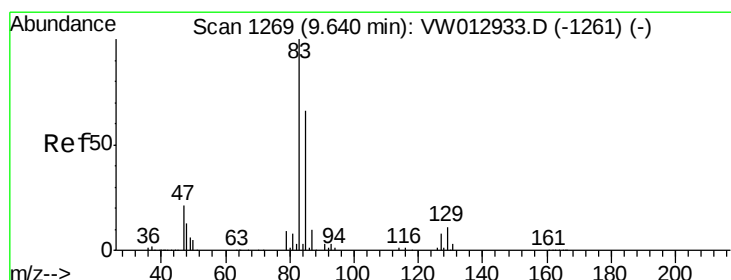
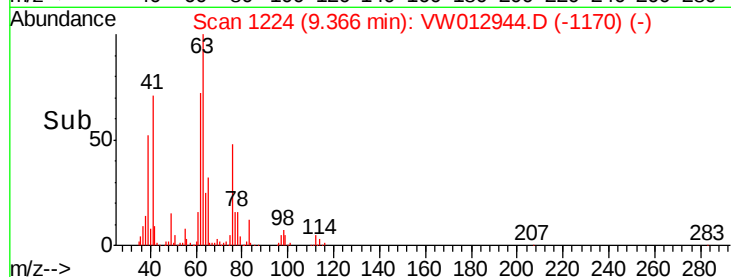
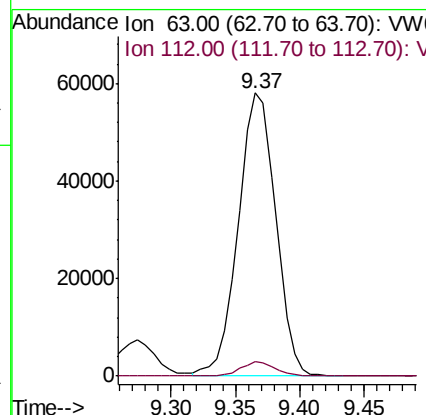
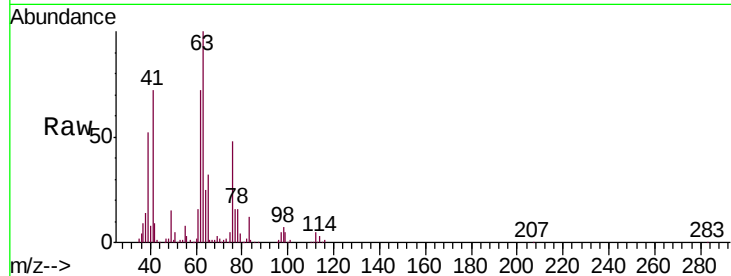




#40
 1,2-Dichloropropane
 Concen: 24.005 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

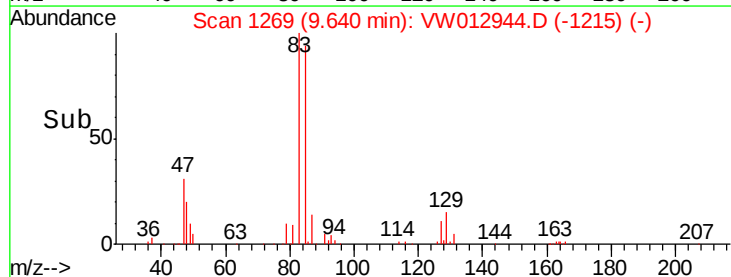
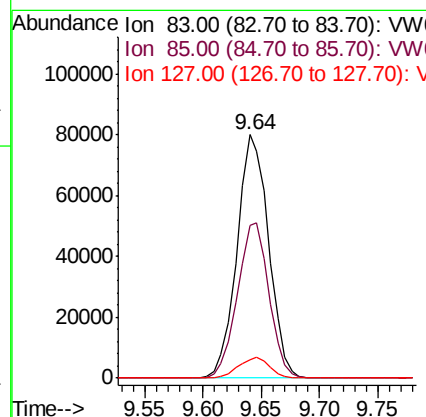
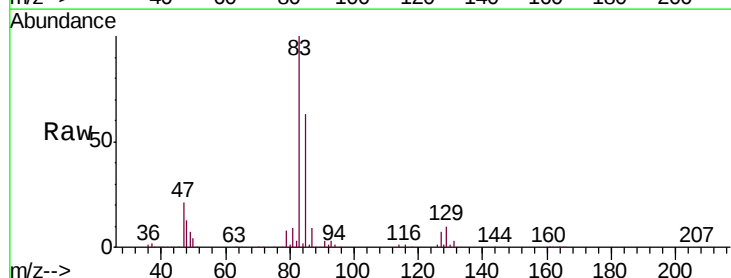
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

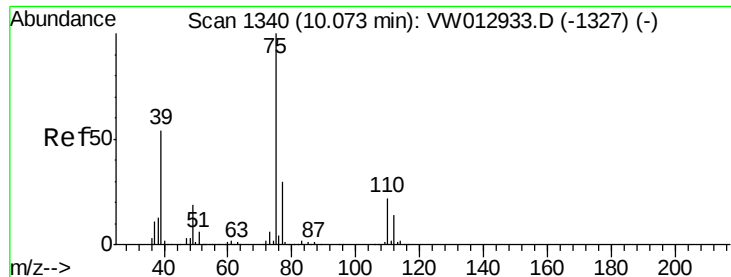
Tgt Ion: 63 Resp: 116777
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#41
 Bromodichloromethane
 Concen: 24.415 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

Tgt Ion: 83 Resp: 151305
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.4 82.4
 127 7.5 7.0 10.6

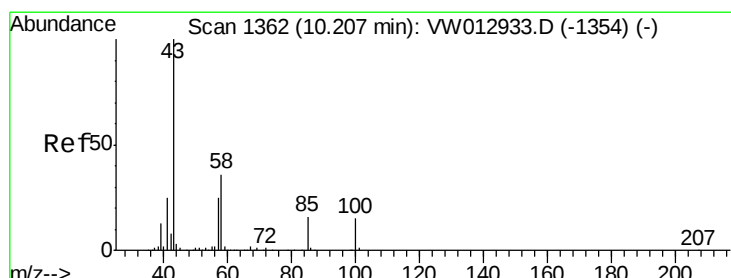
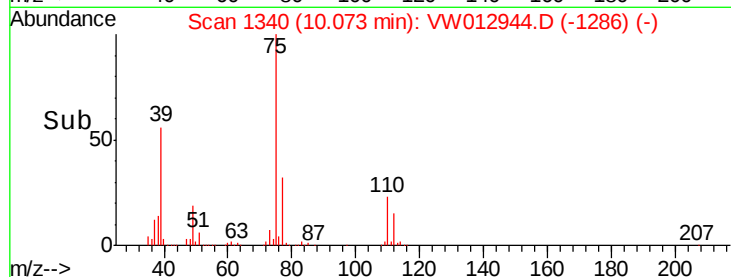
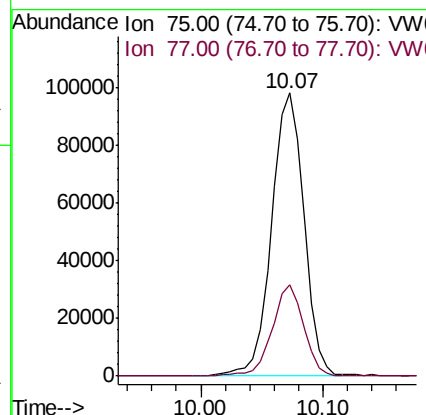
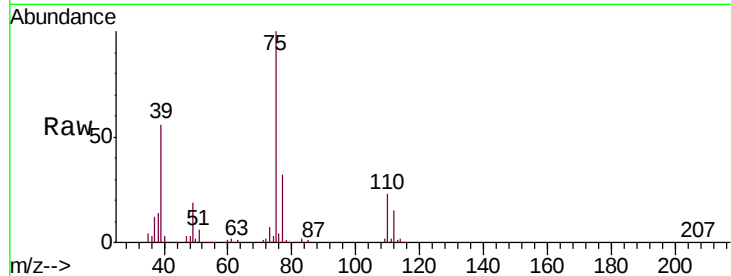




#42
 cis-1,3-Dichloropropene
 Concen: 23.637 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

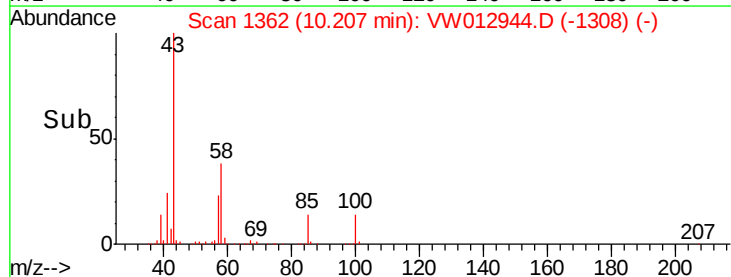
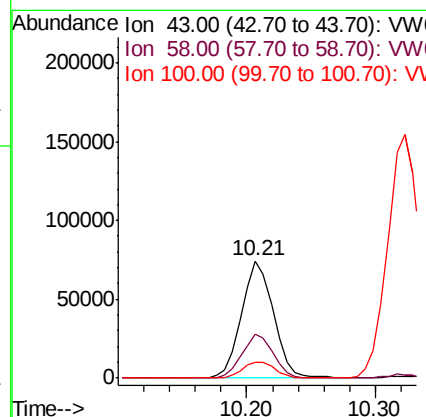
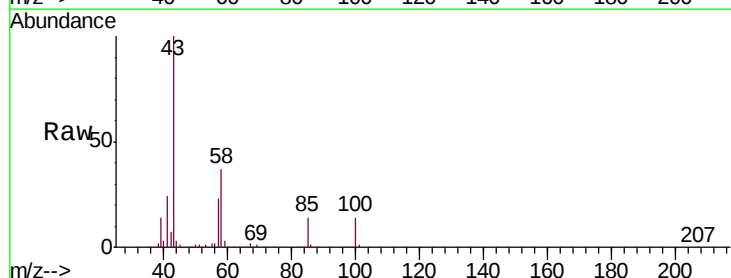
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02508

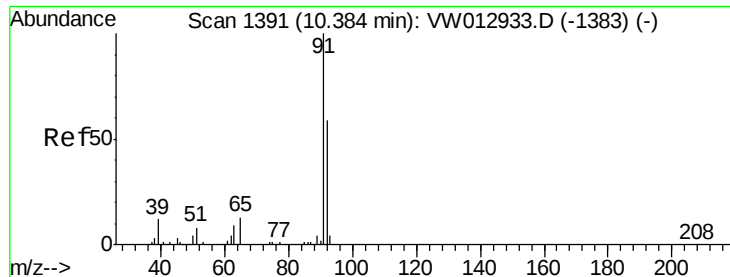
Tgt Ion: 75 Resp: 180665
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.6 40.0



#43
 4-Methyl-2-pentanone
 Concen: 41.122 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

Tgt Ion: 43 Resp: 127262
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.5 44.3
 100 14.3 11.5 17.3





#44

Toluene

Concen: 26.131 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

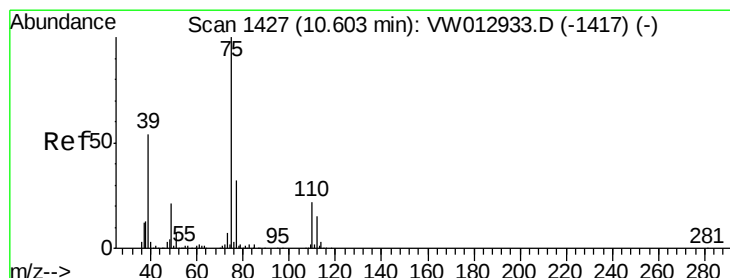
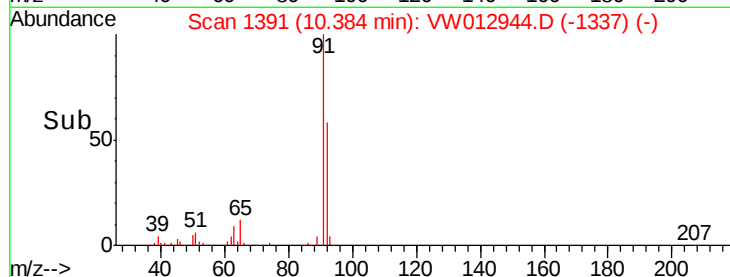
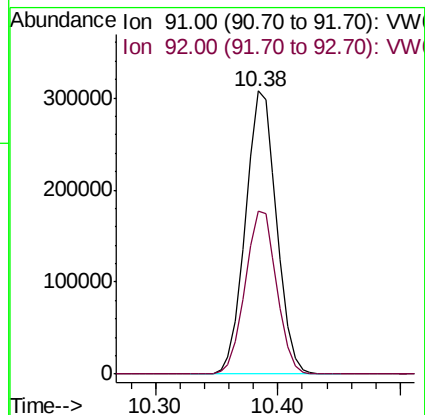
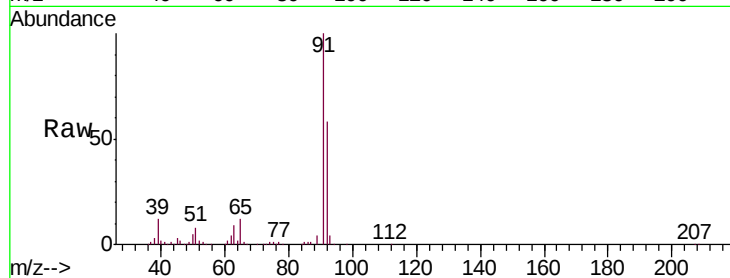
VSTD02508

Tgt Ion: 91 Resp: 540773

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 22.639 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012944.D

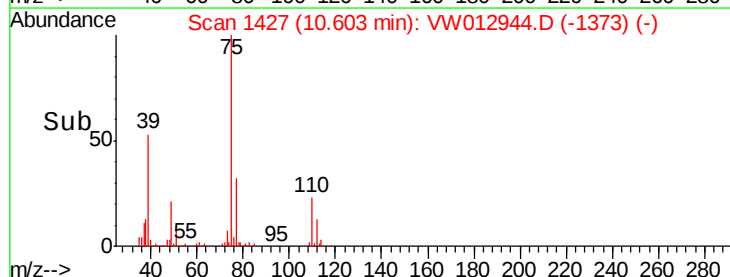
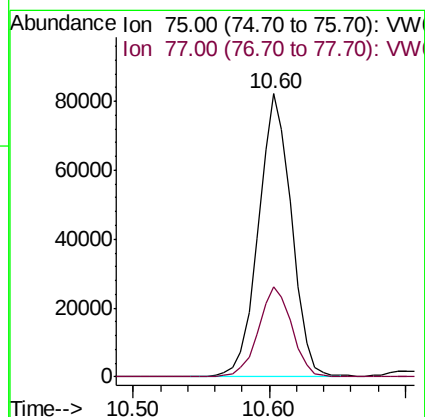
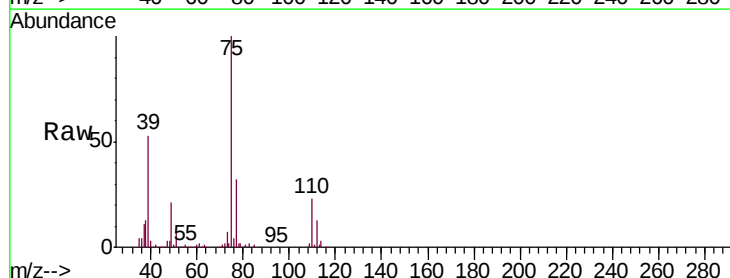
Acq: 12 Sep 2019 19:50

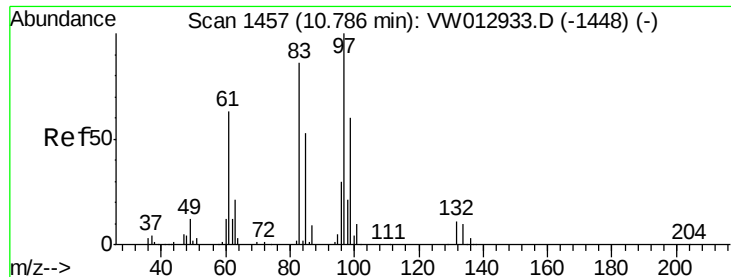
Tgt Ion: 75 Resp: 140253

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4

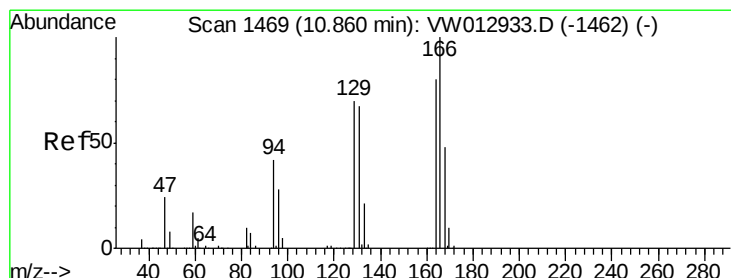
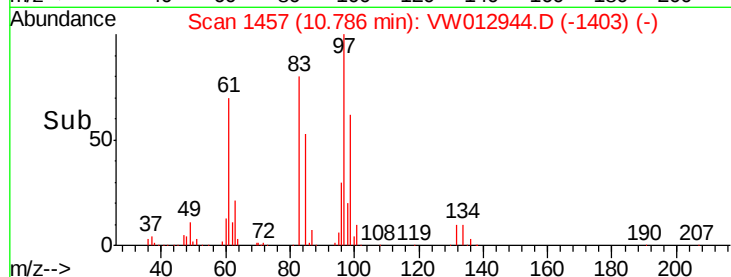
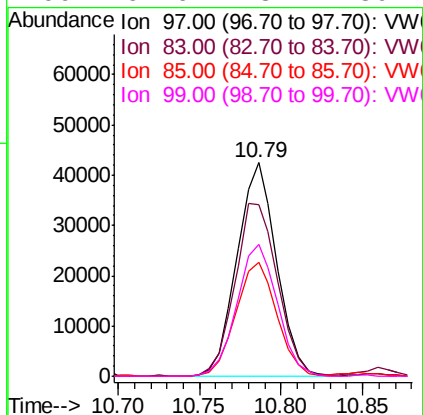
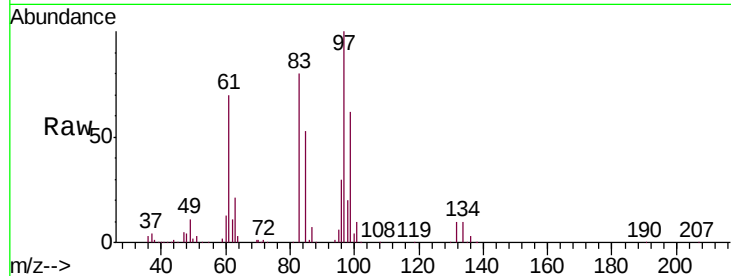




#46
 1,1,2-Trichloroethane
 Concen: 21.957 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

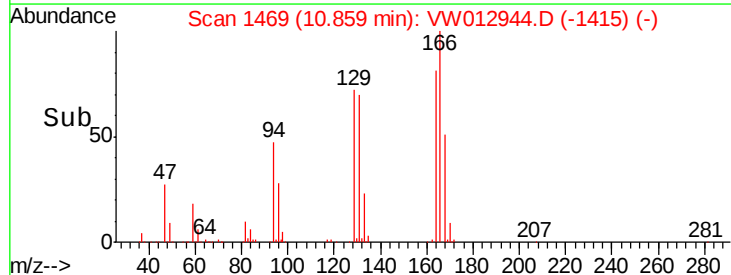
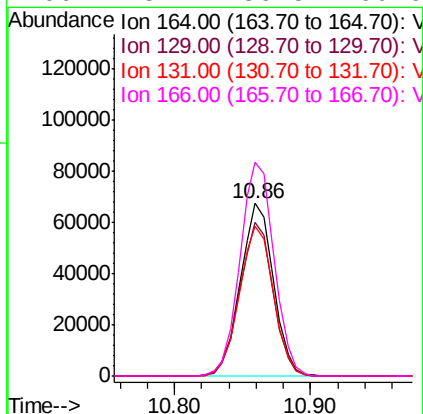
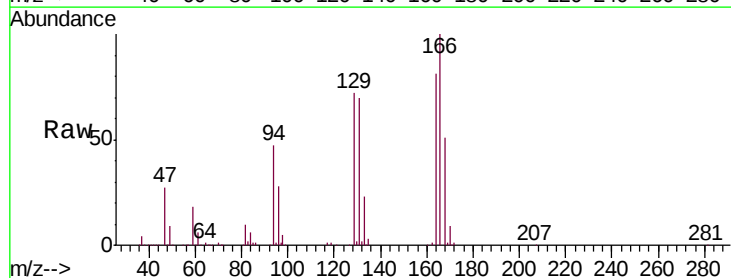
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

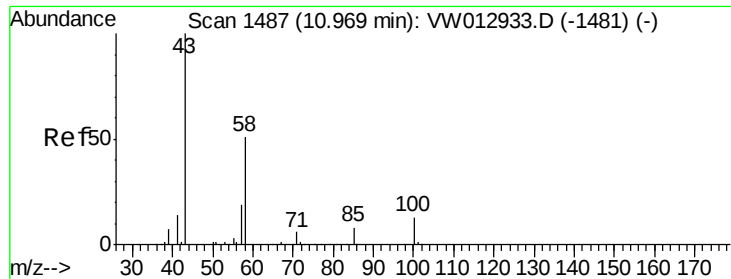
Tgt Ion:	97	Resp:	71831
Ion	Ratio	Lower	Upper
97	100		
83	80.1	60.6	112.6
85	53.3	37.5	69.6
99	61.6	43.2	80.2



#47
 Tetrachloroethene
 Concen: 26.098 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

Tgt Ion:	164	Resp:	114702
Ion	Ratio	Lower	Upper
164	100		
129	89.2	62.6	116.3
131	87.0	60.0	111.4
166	123.7	86.5	160.6

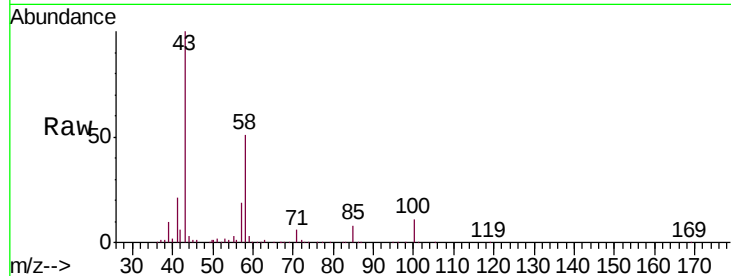




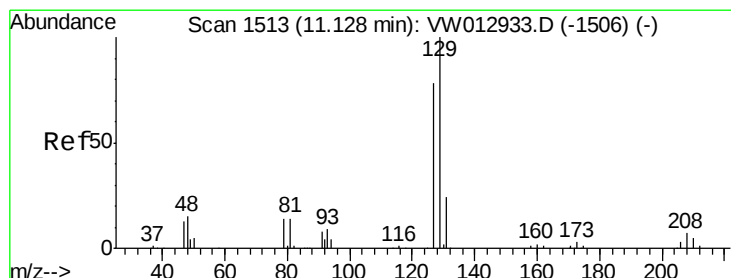
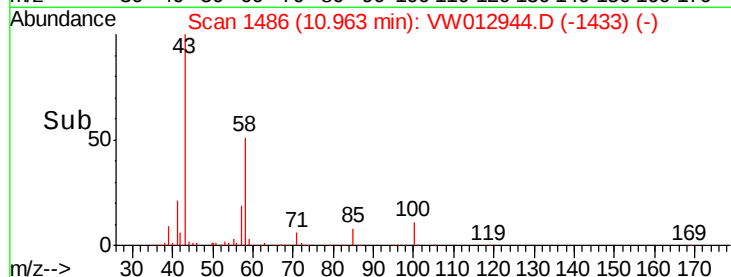
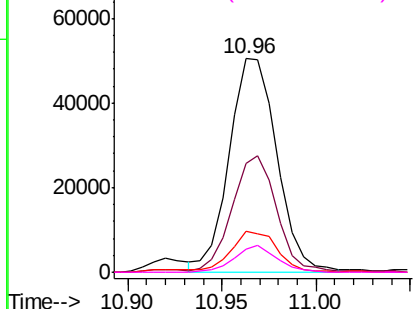
#49
2-Hexanone
Concen: 38.788 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012944.D
Acq: 12 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Tgt Ion: 43 Resp: 88732
Ion Ratio Lower Upper
43 100
58 50.6 42.4 63.6
57 18.9 15.0 22.6
100 11.1 9.0 13.6

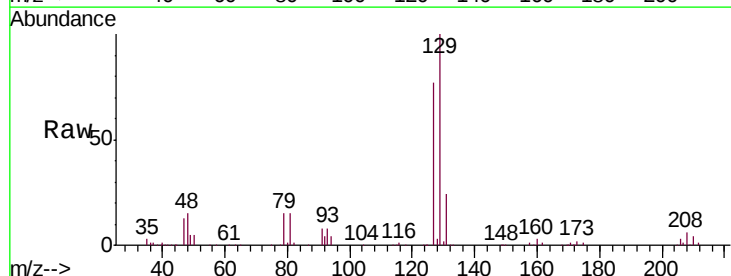


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

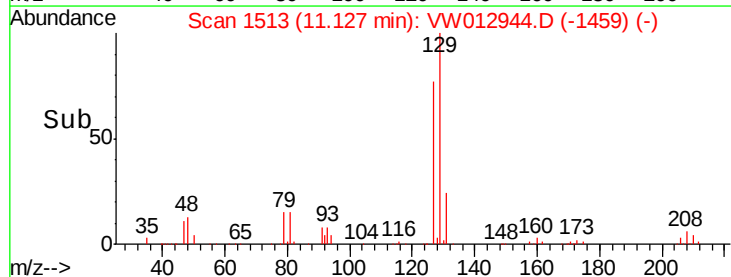
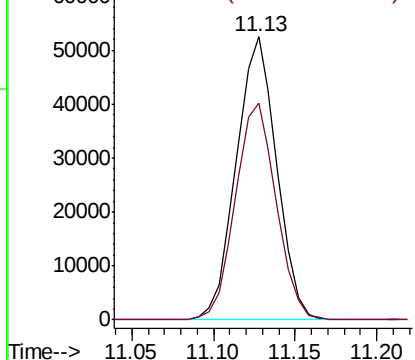


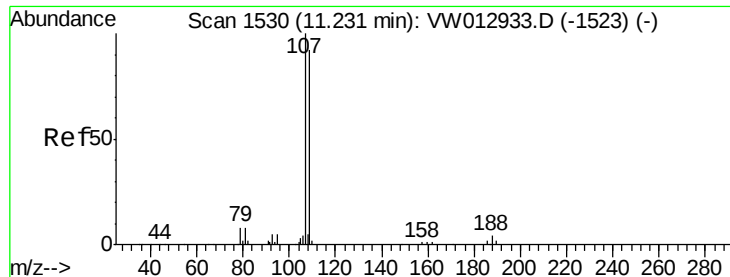
#50
Dibromochloromethane
Concen: 22.726 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012944.D
Acq: 12 Sep 2019 19:50

Tgt Ion: 129 Resp: 90547
Ion Ratio Lower Upper
129 100
127 76.8 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 21.044 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

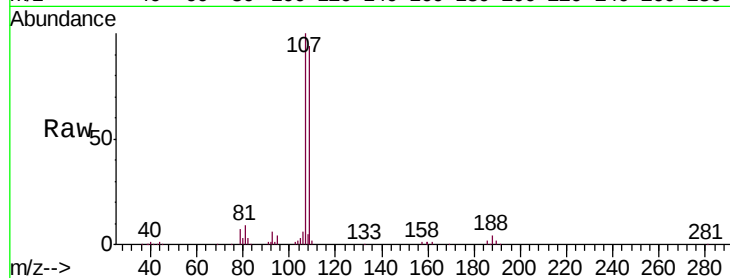
Tgt Ion:107 Resp: 66222

Ion Ratio Lower Upper

107 100

109 94.1 62.6 116.3

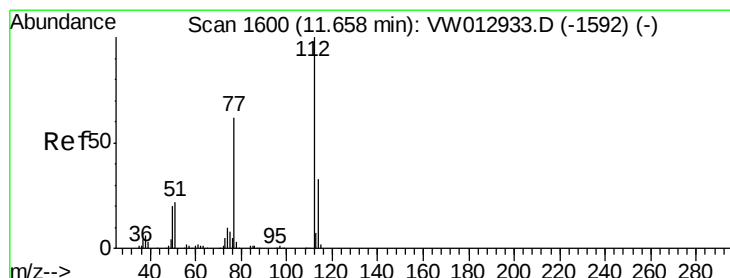
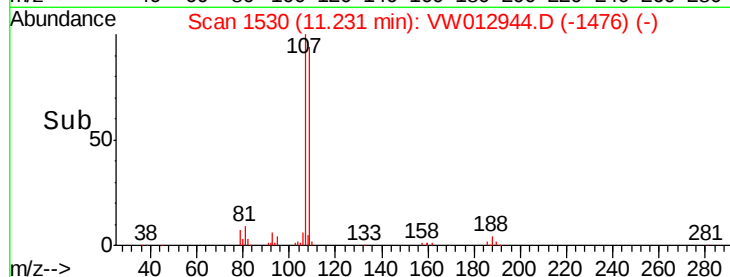
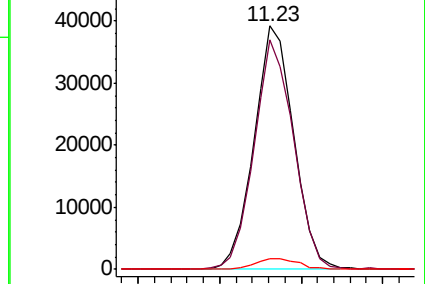
188 4.2 4.2 6.2



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: 24.307 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

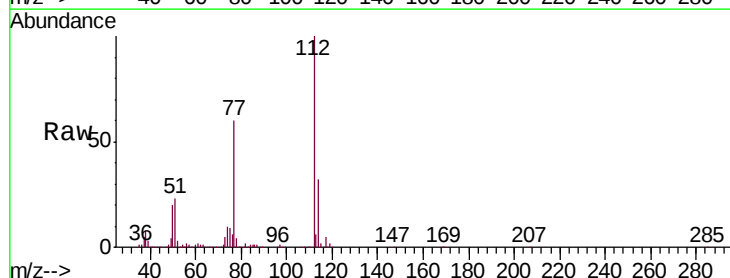
Tgt Ion:112 Resp: 314280

Ion Ratio Lower Upper

112 100

77 59.7 47.7 71.5

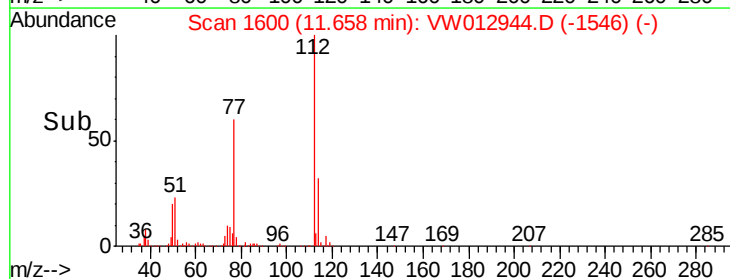
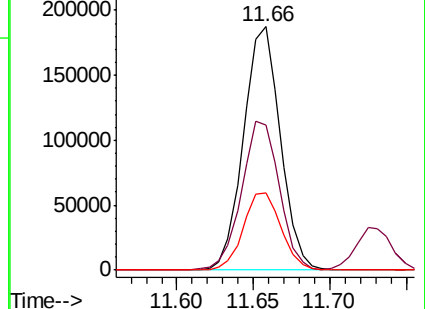
114 31.6 21.6 40.0

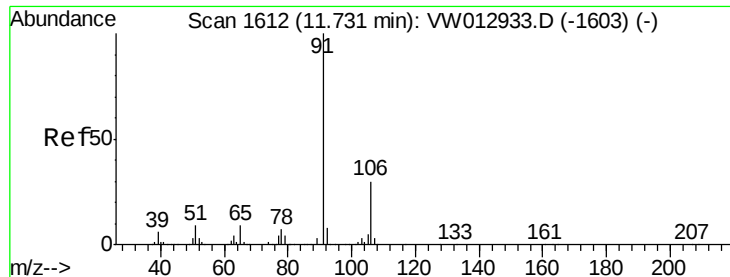


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.046 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

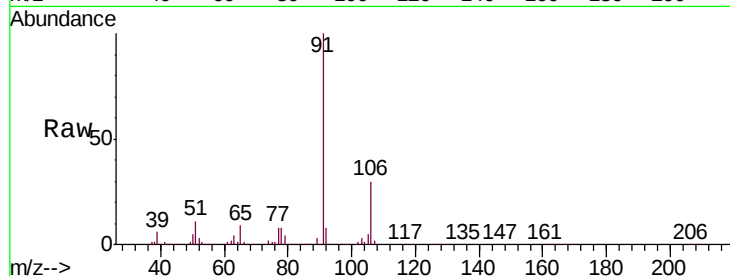
VSTD02508

Tgt Ion: 91 Resp: 611726

Ion Ratio Lower Upper

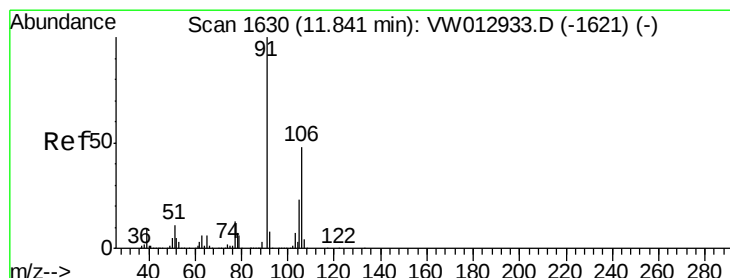
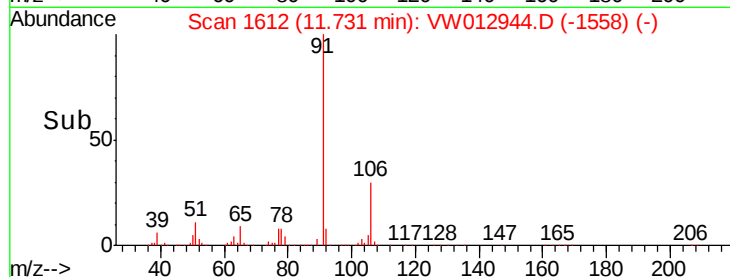
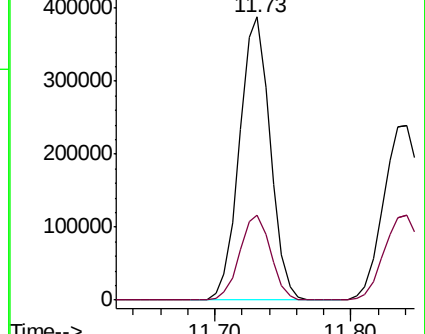
91 100

106 29.9 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.417 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012944.D

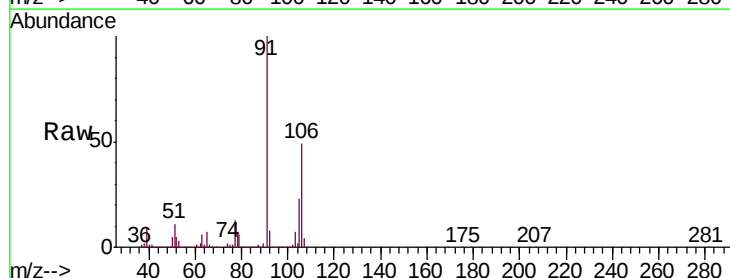
Acq: 12 Sep 2019 19:50

Tgt Ion: 106 Resp: 223191

Ion Ratio Lower Upper

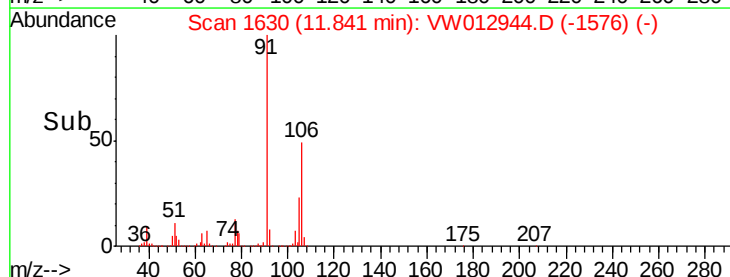
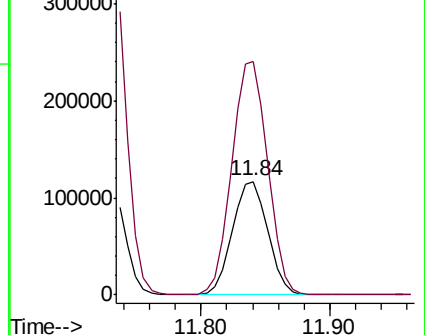
106 100

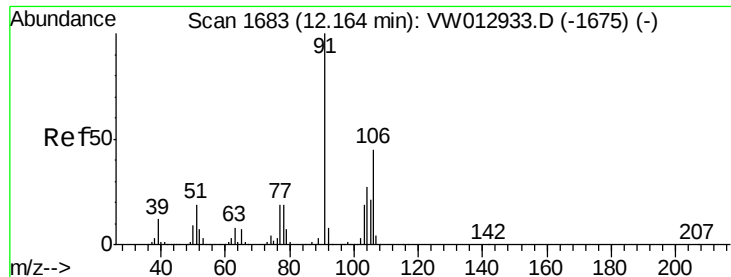
91 205.8 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 25.070 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampled :

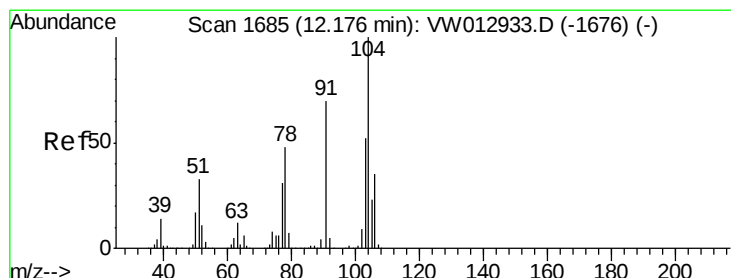
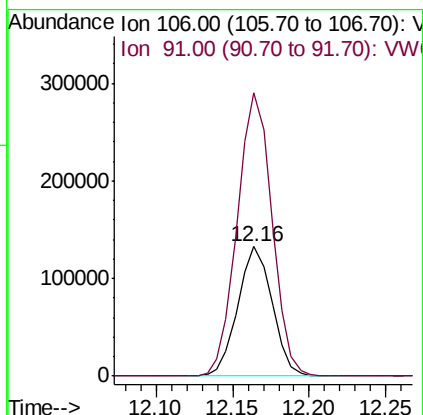
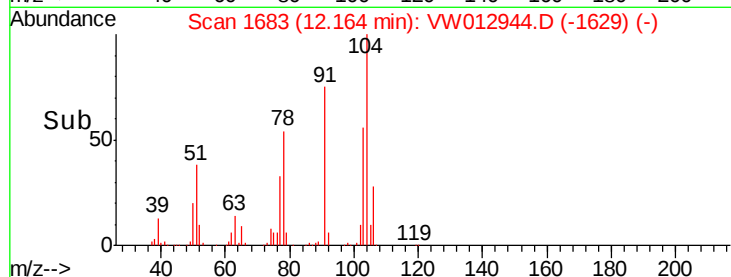
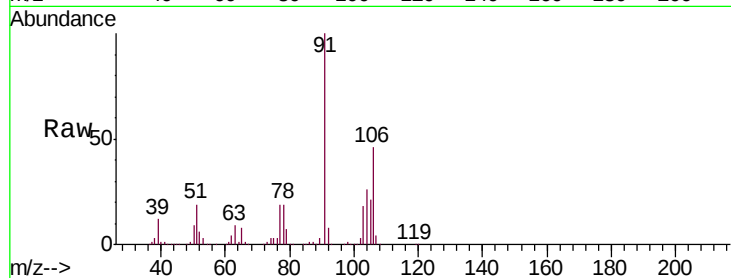
VSTD02508

Tgt Ion:106 Resp: 207101

Ion Ratio Lower Upper

106 100

91 218.4 153.2 284.6



#56

Styrene

Concen: 24.746 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW012944.D

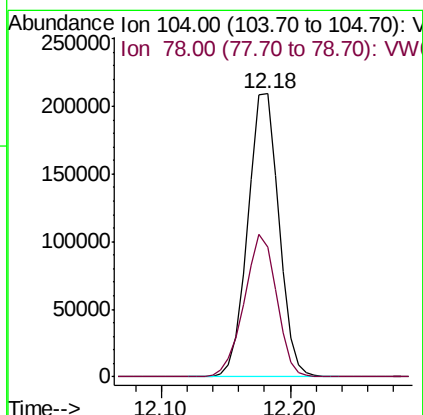
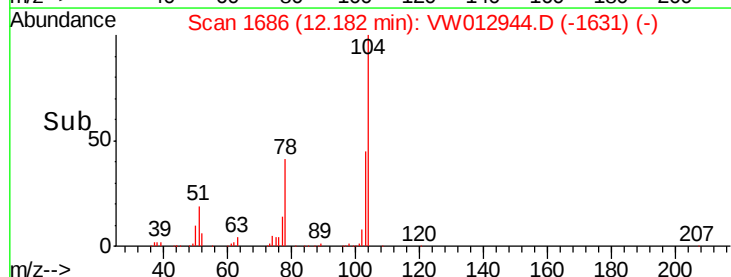
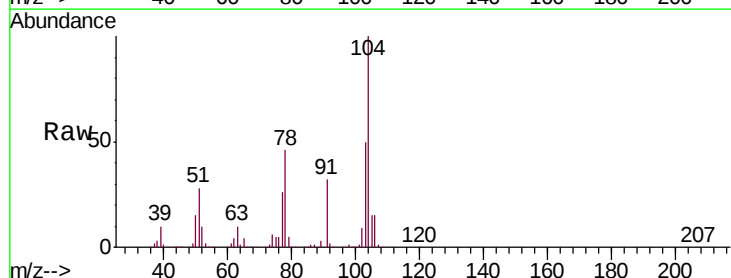
Acq: 12 Sep 2019 19:50

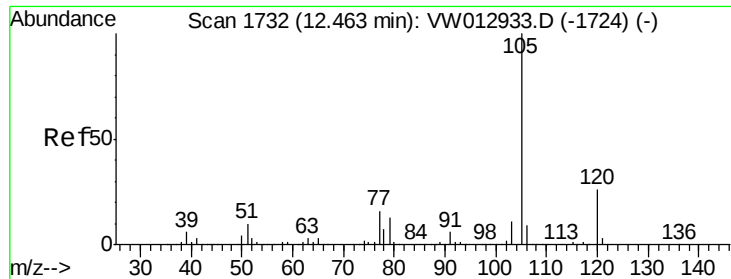
Tgt Ion:104 Resp: 347845

Ion Ratio Lower Upper

104 100

78 45.7 34.5 64.1





#57

Isopropylbenzene

Concen: 26.288 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

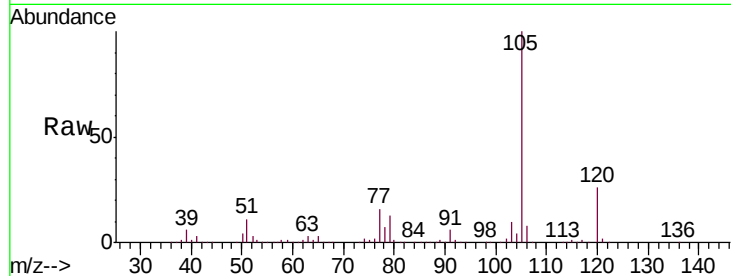
Tgt Ion: 105 Resp: 596334

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

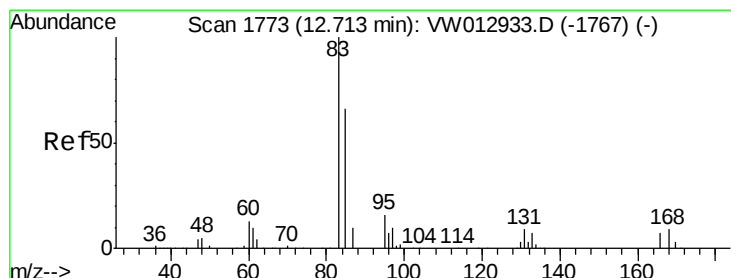
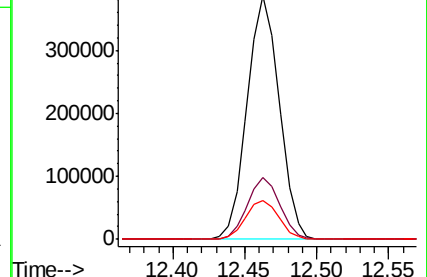
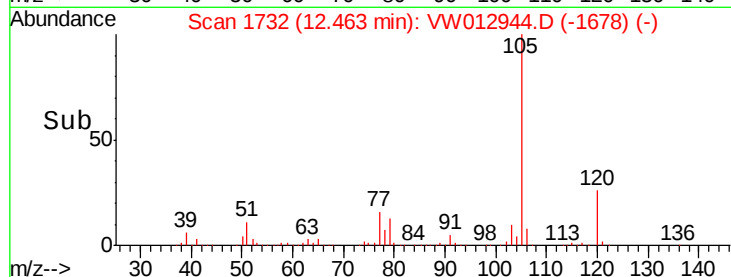
77 16.4 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 20.859 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

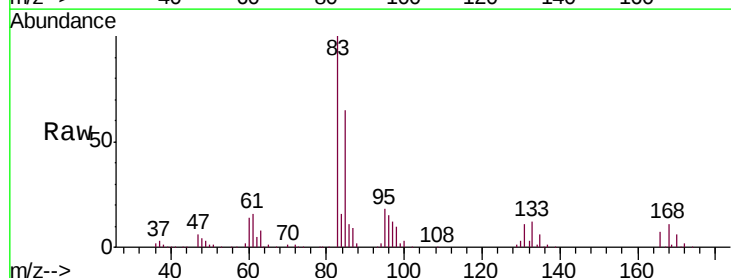
Tgt Ion: 83 Resp: 77616

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.5

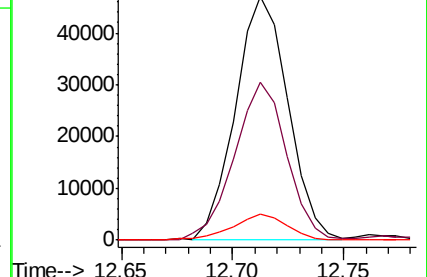
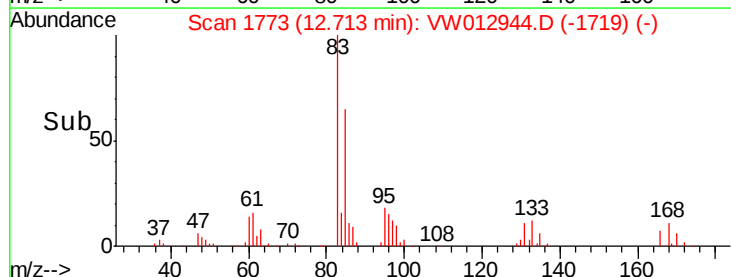
131 10.7 8.0 12.0

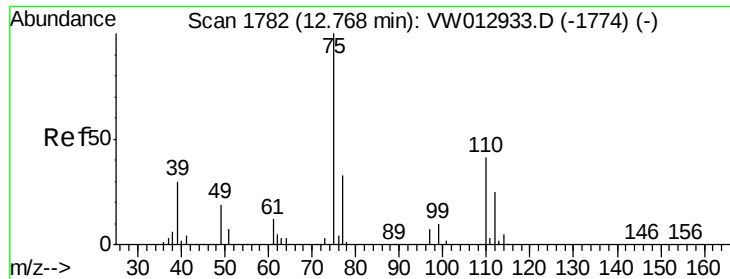


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 20.284 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

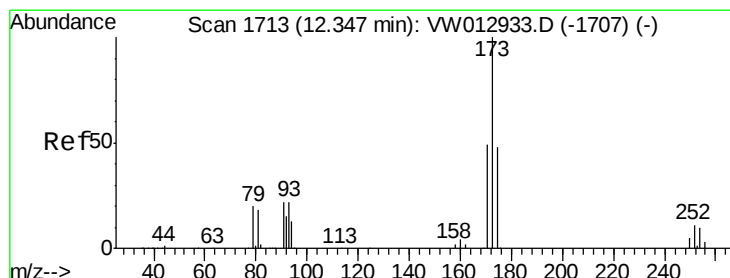
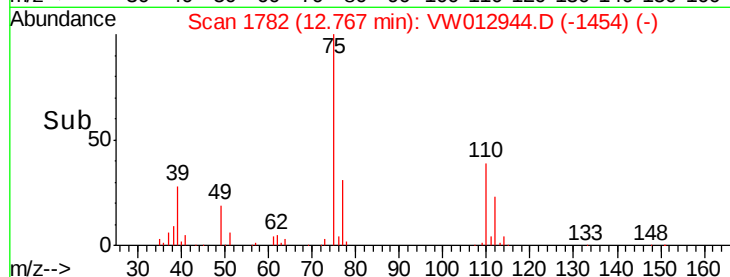
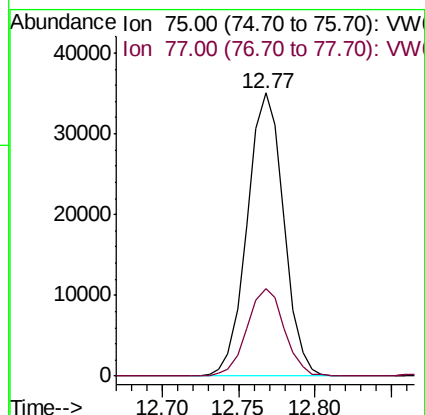
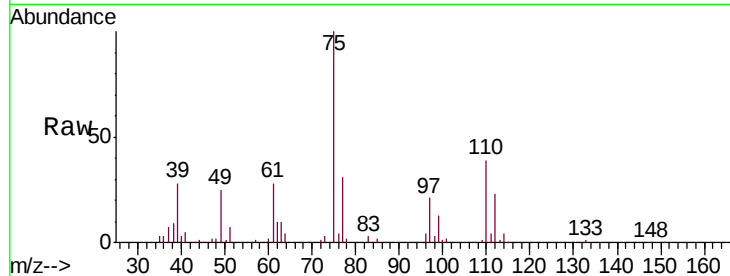
VSTD02508

Tgt Ion: 75 Resp: 58162

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



#62

Bromoform

Concen: 22.429 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

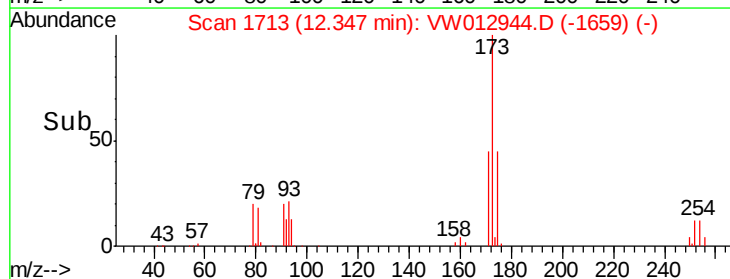
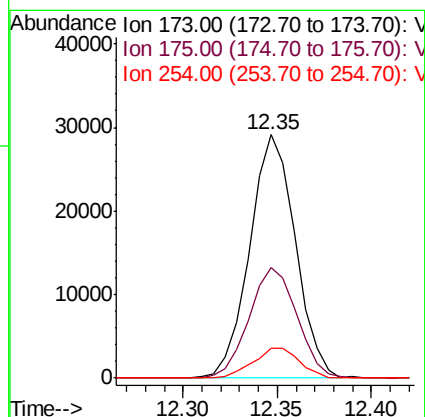
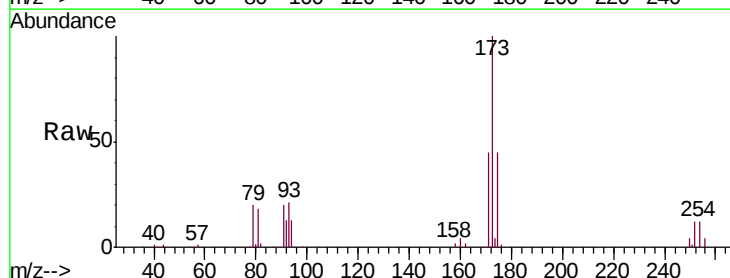
Tgt Ion: 173 Resp: 48882

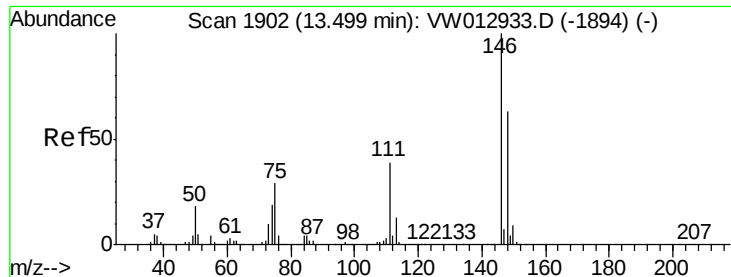
Ion Ratio Lower Upper

173 100

175 47.4 39.7 59.5

254 12.5 9.8 14.6

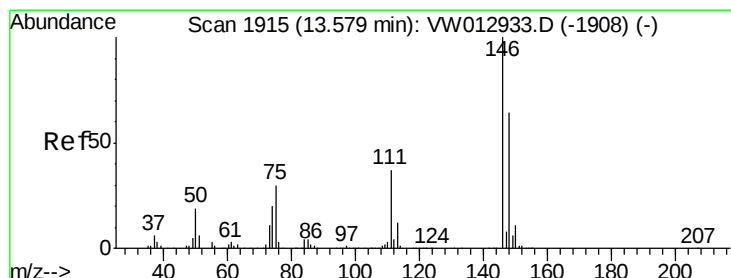
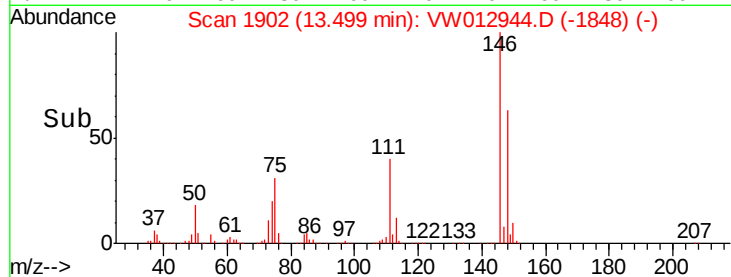
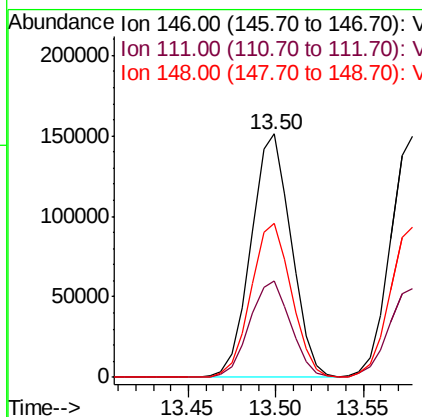
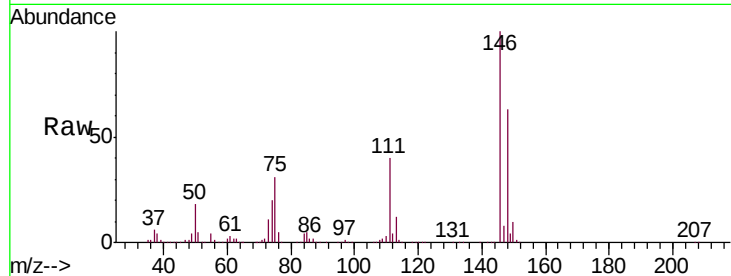




#63
 1,3-Dichlorobenzene
 Concen: 25.032 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

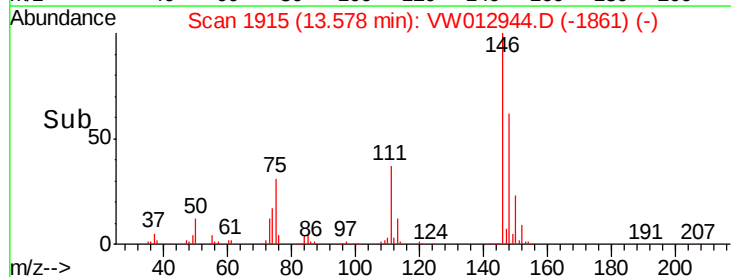
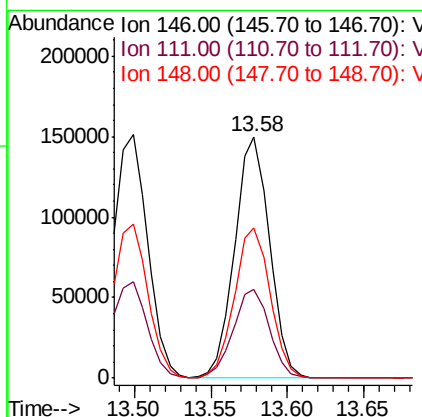
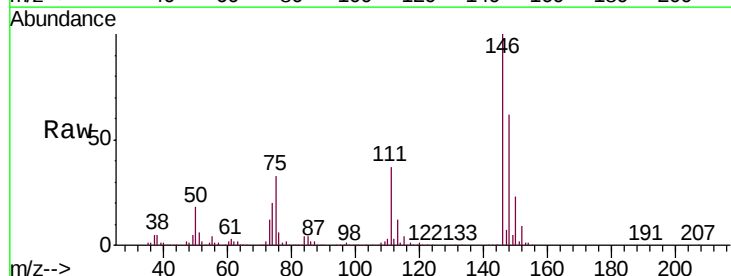
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

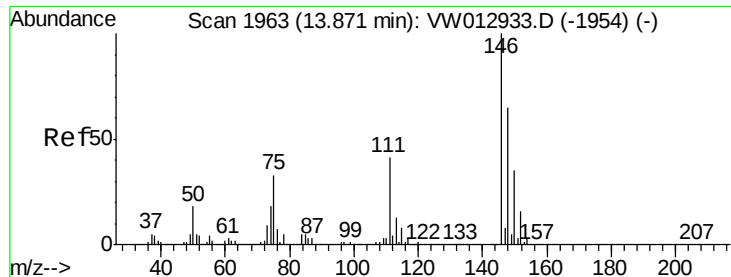
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	28.4	52.8
148	63.4	44.4	82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.578 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	26.1	48.5
148	62.5	45.8	85.0





#65

1,2-Dichlorobenzene

Concen: 24.120 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

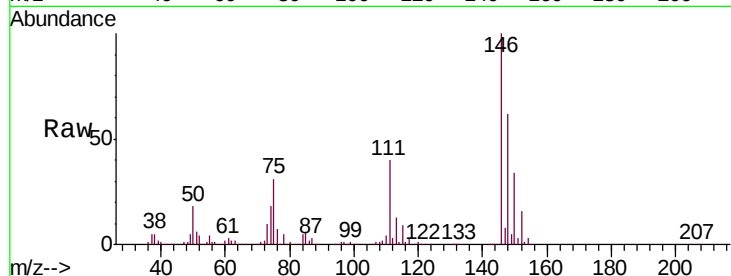
Tgt Ion:146 Resp: 208950

Ion Ratio Lower Upper

146 100

111 40.4 33.0 49.6

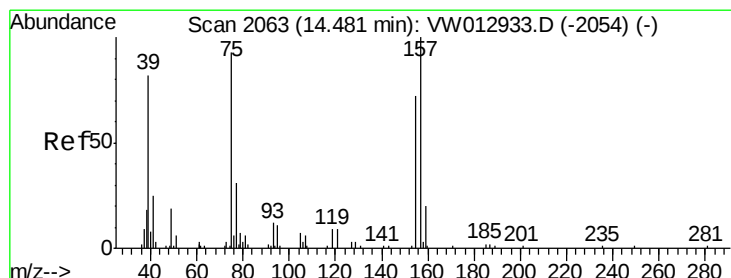
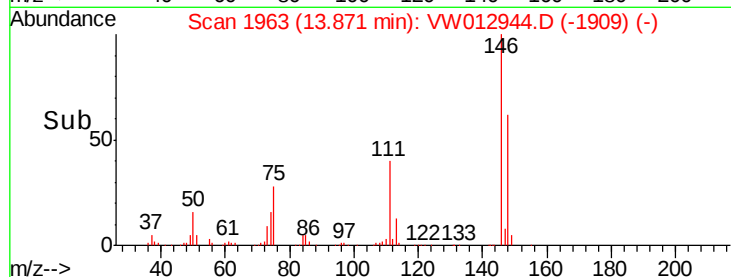
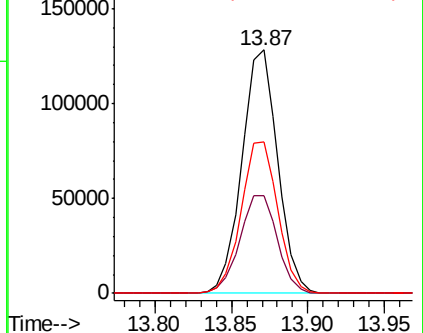
148 62.1 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 20.431 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

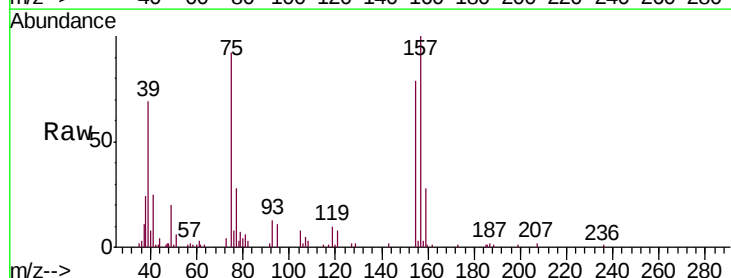
Tgt Ion: 75 Resp: 12266

Ion Ratio Lower Upper

75 100

157 109.3 85.0 127.4

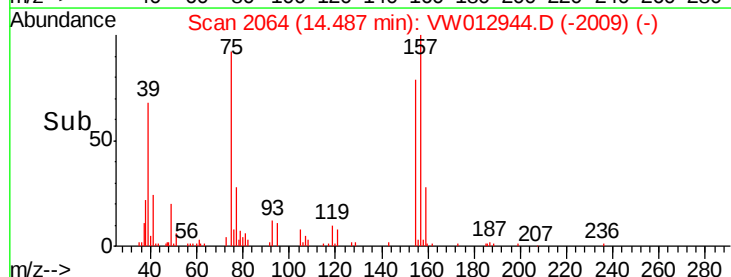
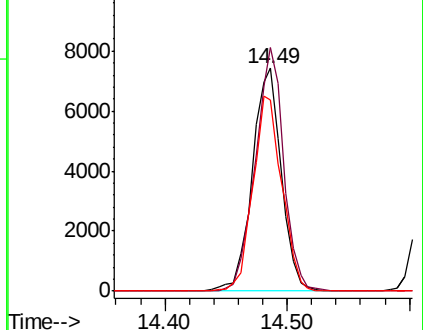
155 85.9 70.2 105.4

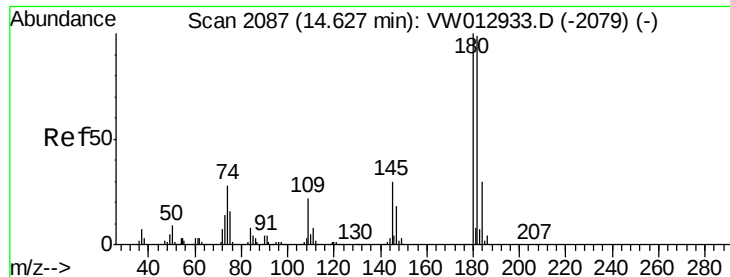


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

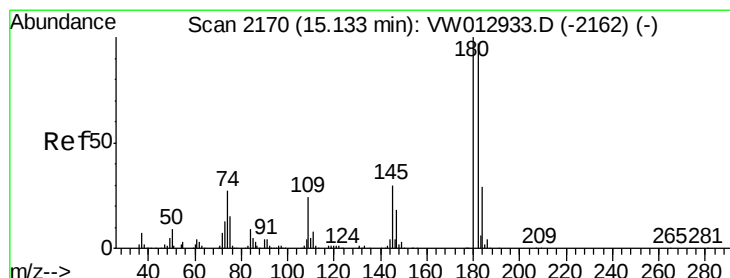
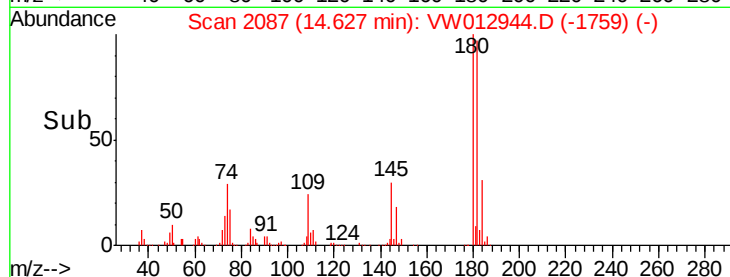
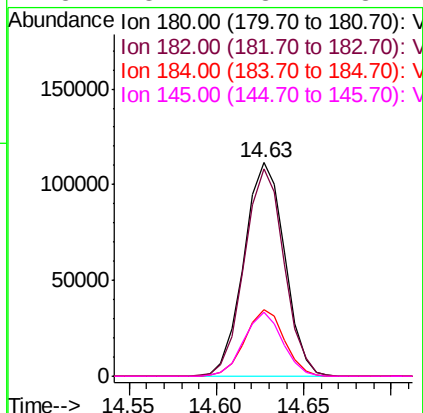
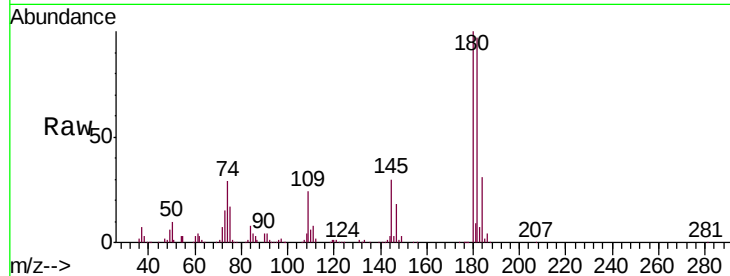




#67
 1,3,5-Trichlorobenzene
 Concen: 24.554 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

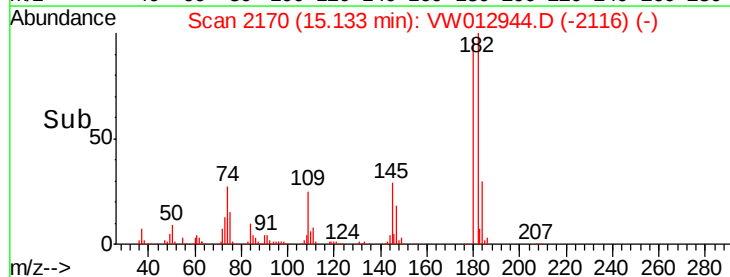
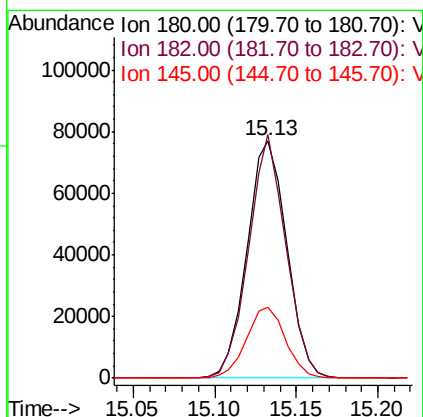
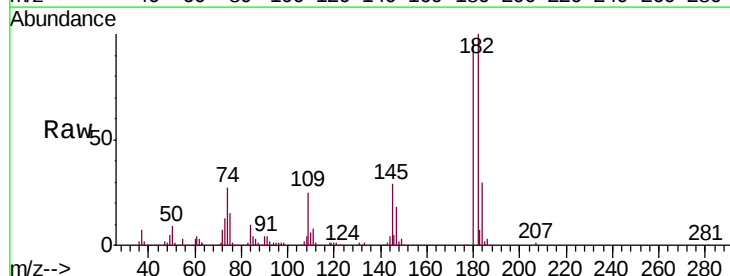
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

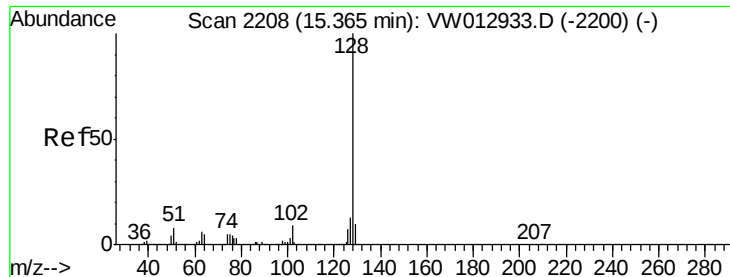
Tgt Ion:	180	Resp:	182451
Ion Ratio	Lower	Upper	
180	100		
182	94.3	75.8	113.8
184	29.9	23.8	35.8
145	28.2	23.1	34.7



#68
 1,2,4-trichlorobenzene
 Concen: 22.142 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012944.D
 Acq: 12 Sep 2019 19:50

Tgt Ion:	180	Resp:	130431
Ion Ratio	Lower	Upper	
180	100		
182	96.0	73.8	110.8
145	29.4	22.9	34.3





#69

Naphthalene

Concen: 20.214 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

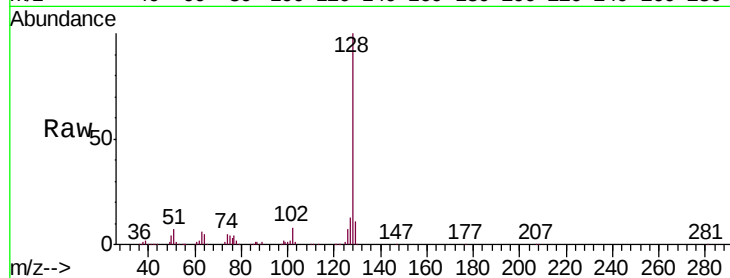
Tgt Ion:128 Resp: 192839

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

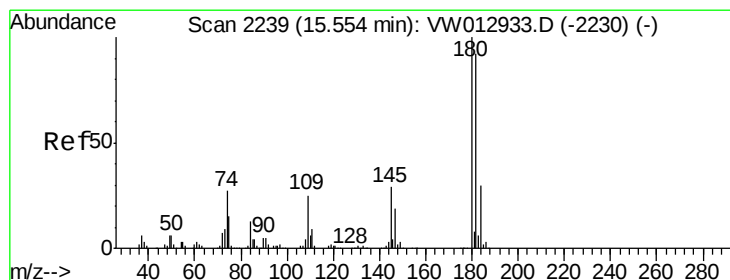
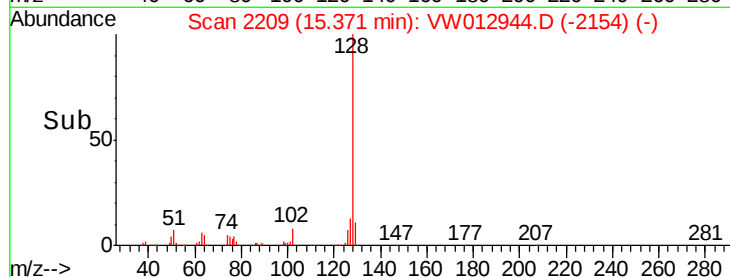
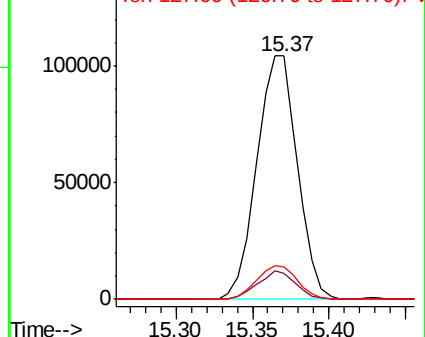
127 13.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 21.448 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW012944.D

Acq: 12 Sep 2019 19:50

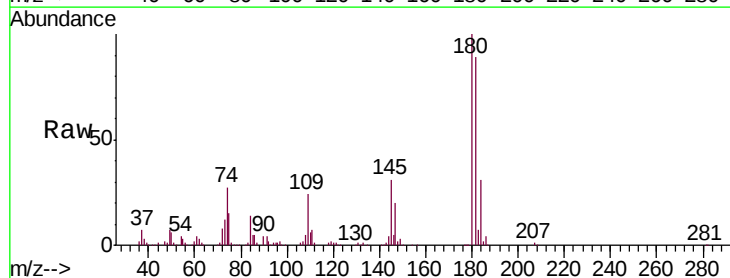
Tgt Ion:180 Resp: 111472

Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.2

145 31.5 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

