

Data File : VW011131.D
Acq On : 03 Jul 2019 03:04
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Jul 03 05:56:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 03 05:51:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	314634	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	296528	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	144770	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	100052	20.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.28%
7) Chloroethane-d5	2.88	69	74884	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.88%
10) 1,1-Dichloroethene-d2	4.02	63	217402	21.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.48%
20) 2-Butanone-d5	7.07	46	113538	59.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.98%
24) Chloroform-d	7.65	84	214181	24.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	8.31	65	142518	26.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.32%
29) Benzene-d6	8.27	84	428088	23.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.72%
33) 1,2-Dichloropropane-d6	9.27	67	145351	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.76%
37) Toluene-d8	10.32	98	382441	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.96%
38) trans-1,3-Dichloropropene-	10.58	79	60334	23.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.40%
39) 2-Hexanone-d5	10.92	63	77829	57.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138286	28.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	136699	24.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	83753	21.643 ug/L	99
3) Chloromethane	2.21	50	93294	22.206 ug/L	100
5) Vinyl chloride	2.35	62	113529	20.704 ug/L	97
6) Bromomethane	2.77	94	60182	23.459 ug/L	100
8) Chloroethane	2.92	64	63134	22.779 ug/L	96
9) Trichlorofluoromethane	3.25	101	31718	16.894 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	93209	22.281 ug/L	97
12) 1,1-Dichloroethene	4.04	96	92009	22.253 ug/L	89
13) Acetone	4.12	43	71333	38.590 ug/L	98
14) Carbon disulfide	4.38	76	247905	20.960 ug/L	99
15) Methyl Acetate	4.66	43	93366	31.041 ug/L	100
16) Methylene chloride	4.92	84	115327	24.944 ug/L	93
17) Methyl tert-butyl Ether	5.42	73	183721	28.652 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	97093	23.238 ug/L	96
19) 1,1-Dichloroethane	6.21	63	211463	24.930 ug/L	98
21) 2-Butanone	7.17	43	128408	53.811 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	114628	25.345 ug/L	99

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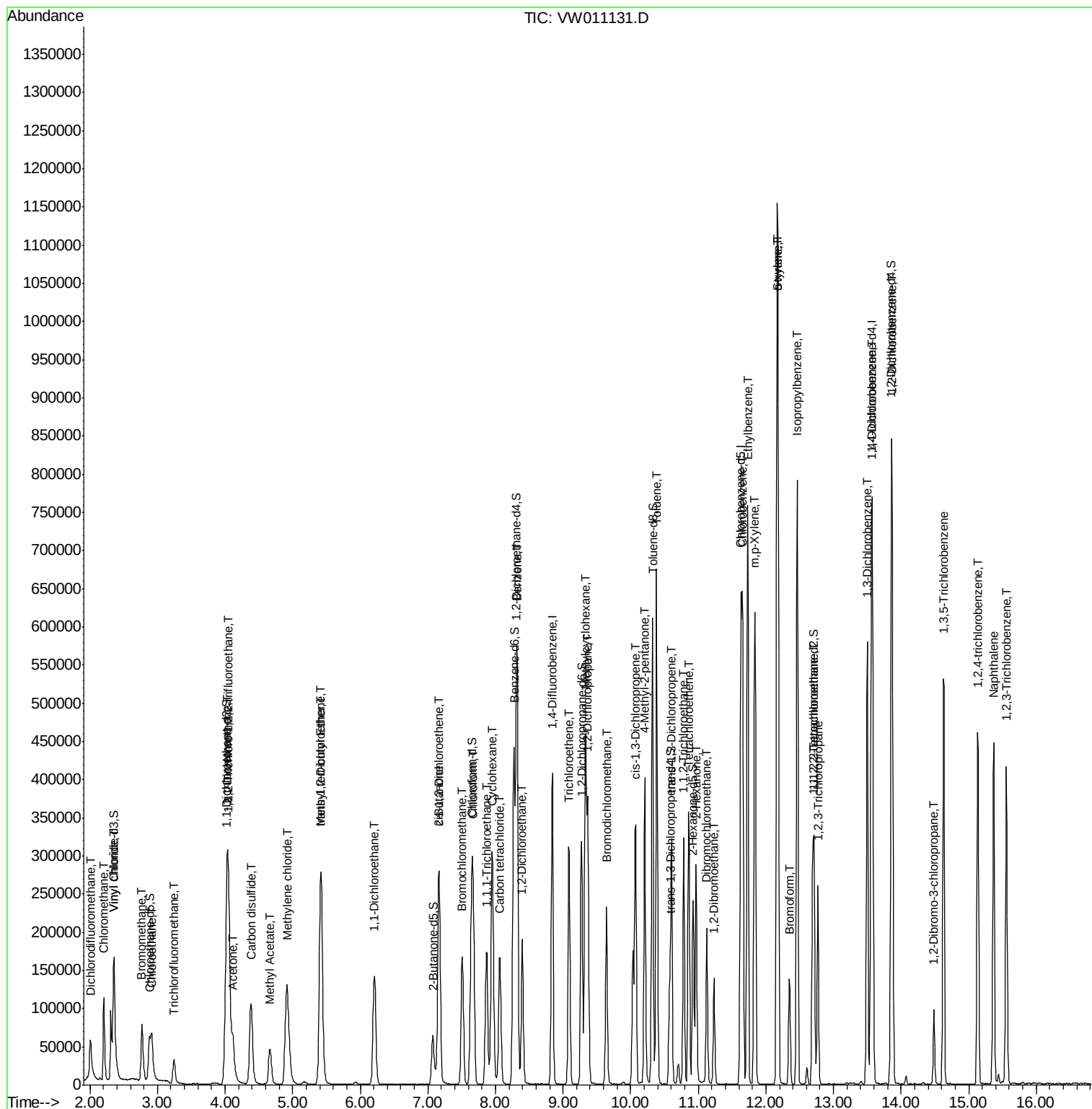
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	51835	27.315	ug/L	97
25) Chloroform	7.67	83	205736	25.607	ug/L	100
27) 1,2-Dichloroethane	8.40	62	167059	27.201	ug/L	99
30) Cyclohexane	7.95	56	184420	20.456	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	137636	22.364	ug/L	100
32) Carbon tetrachloride	8.07	117	125218	21.695	ug/L	98
34) Benzene	8.32	78	446509	24.093	ug/L	100
35) Trichloroethene	9.09	95	107278	22.939	ug/L	99
36) Methylcyclohexane	9.33	83	172483	20.494	ug/L	99
40) 1,2-Dichloropropane	9.37	63	129865	25.573	ug/L	99
41) Bromodichloromethane	9.64	83	152091	25.977	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	186394	24.876	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	279498	59.372	ug/L	99
44) Toluene	10.38	91	463465	24.161	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	157790	25.450	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	95893	27.268	ug/L	98
47) Tetrachloroethene	10.86	164	76501	21.644	ug/L	97
49) 2-Hexanone	10.97	43	198556	57.945	ug/L	98
50) Dibromochloromethane	11.13	129	100748	26.903	ug/L	96
51) 1,2-Dibromoethane	11.23	107	93008	27.390	ug/L	99
52) Chlorobenzene	11.66	112	287578	24.539	ug/L	98
53) Ethylbenzene	11.73	91	514042	23.625	ug/L	99
54) m,p-Xylene	11.83	106	186804	23.647	ug/L	96
55) o-xylene	12.16	106	185407	24.672	ug/L	97
56) Styrene	12.18	104	332567	25.797	ug/L	98
57) Isopropylbenzene	12.46	105	483794	23.584	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	134502	28.749	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	105170	29.272	ug/L	99
62) Bromoform	12.35	173	60083	27.847	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	217340	24.402	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	223102	24.469	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	216398	26.101	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23464	28.826	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	159443	23.627	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	140851	24.914	ug/L	98
69) Naphthalene	15.37	128	352571	29.777	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	137307	26.544	ug/L	100

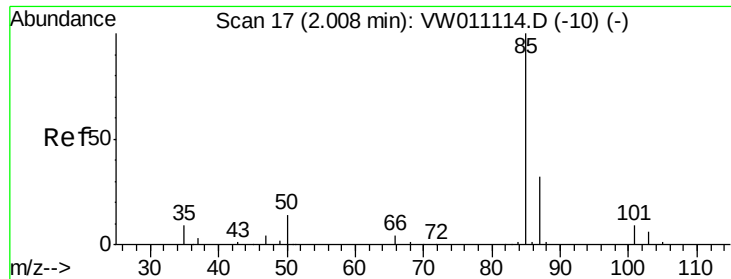
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.643 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

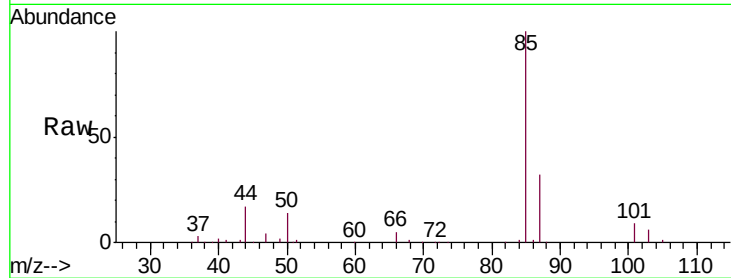
VSTD02514

Tgt Ion: 85 Resp: 83753

Ion Ratio Lower Upper

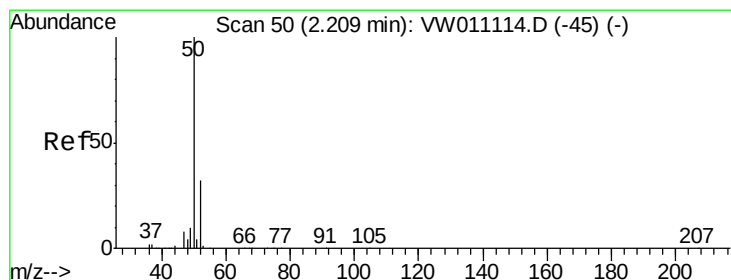
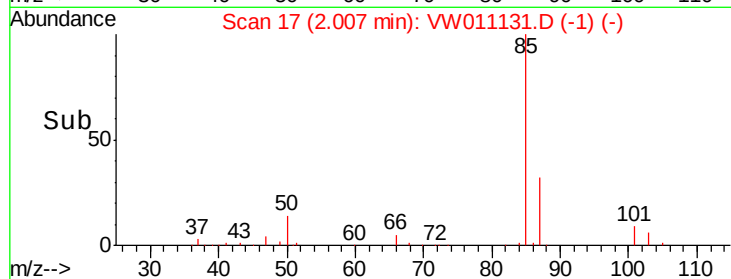
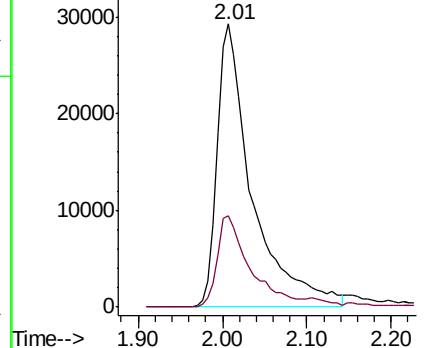
85 100

87 30.0 20.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.206 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011131.D

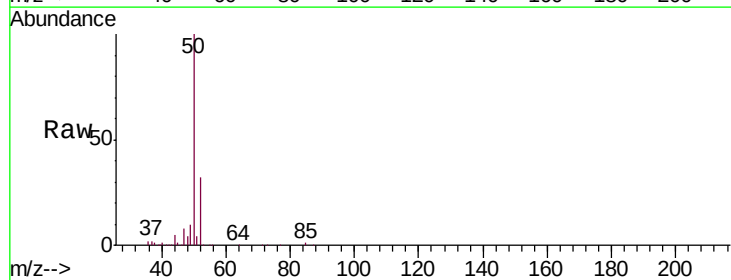
Acq: 03 Jul 2019 03:04

Tgt Ion: 50 Resp: 93294

Ion Ratio Lower Upper

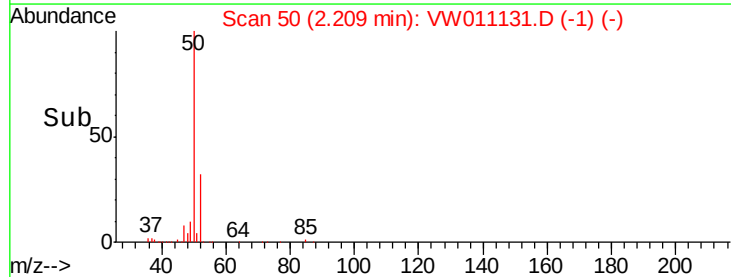
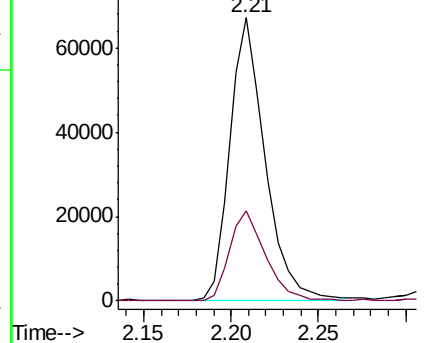
50 100

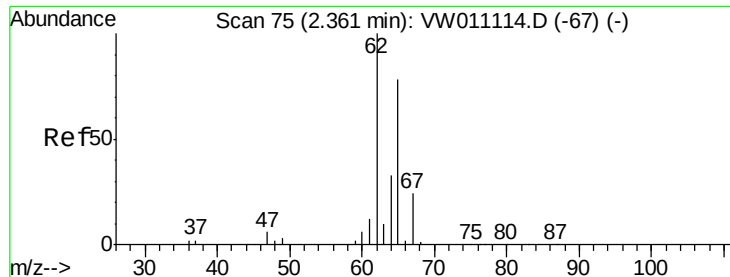
52 31.7 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 20.704 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleID :

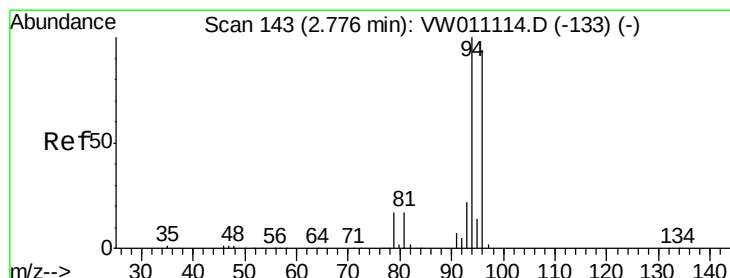
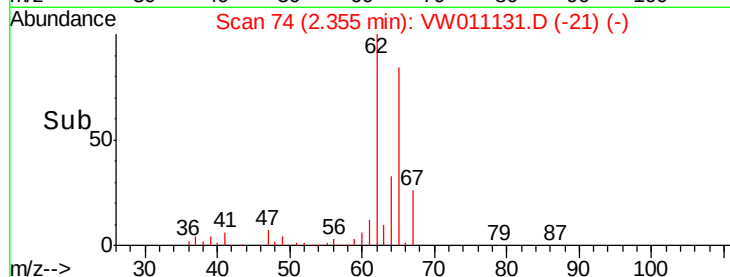
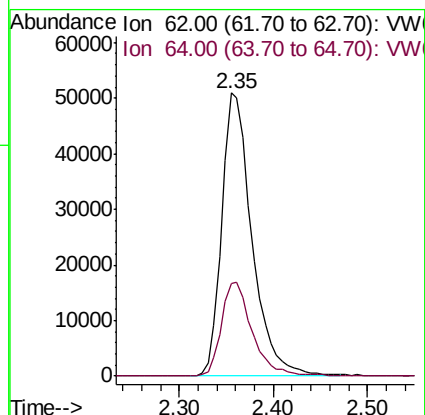
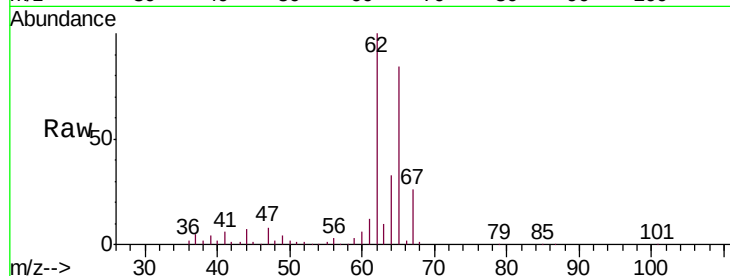
VSTD02514

Tgt Ion: 62 Resp: 113529

Ion Ratio Lower Upper

62 100

64 32.7 23.9 44.3



#6

Bromomethane

Concen: 23.459 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011131.D

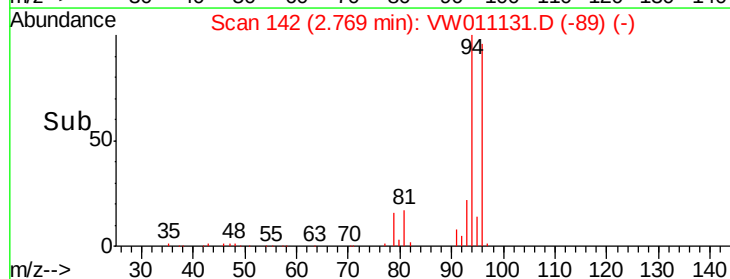
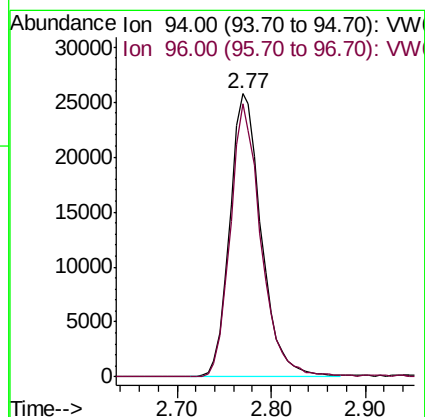
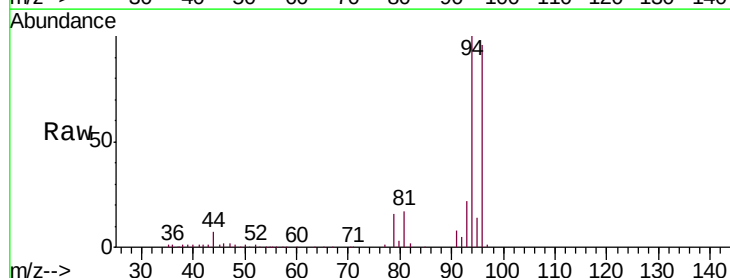
Acq: 03 Jul 2019 03:04

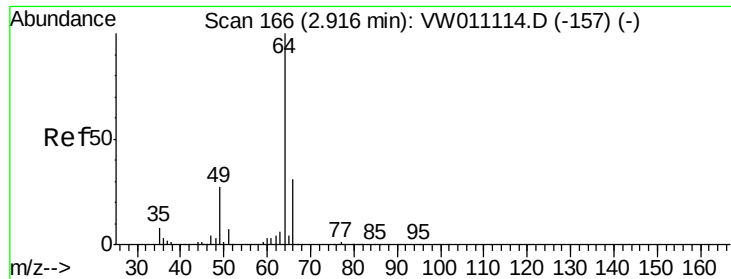
Tgt Ion: 94 Resp: 60182

Ion Ratio Lower Upper

94 100

96 93.0 9.3 177.3





#8

Chloroethane

Concen: 22.779 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

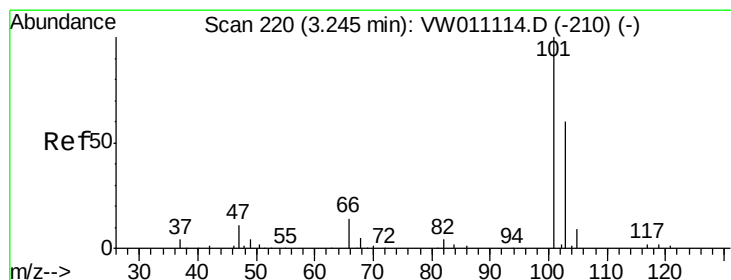
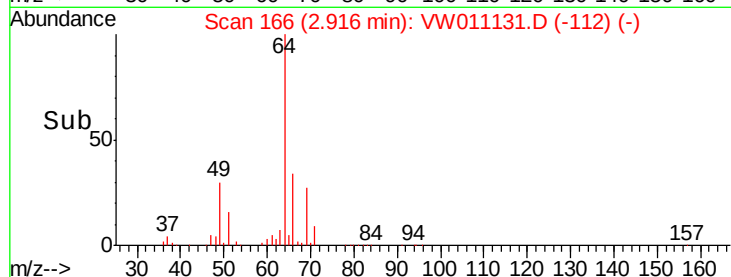
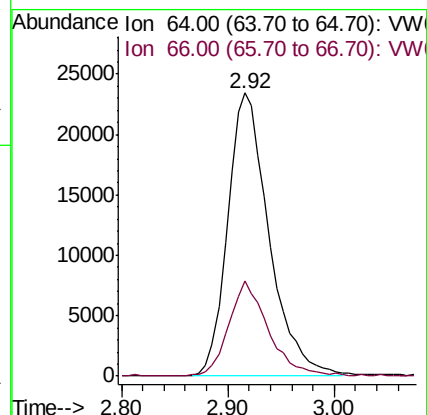
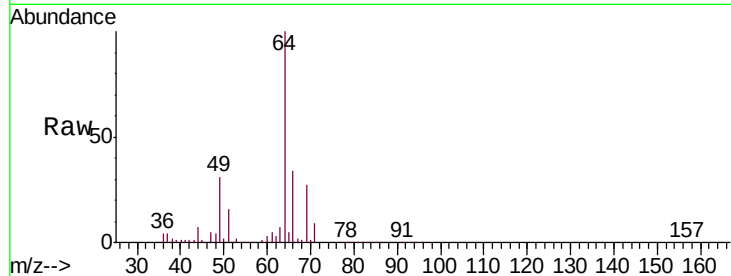
VSTD02514

Tgt Ion: 64 Resp: 63134

Ion Ratio Lower Upper

64 100

66 33.6 21.9 40.7



#9

Trichlorofluoromethane

Concen: 16.894 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.01 min

Lab File: VW011131.D

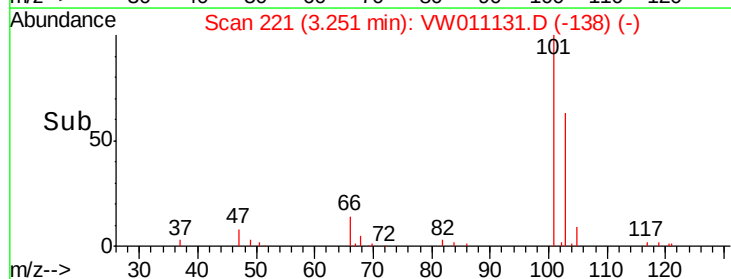
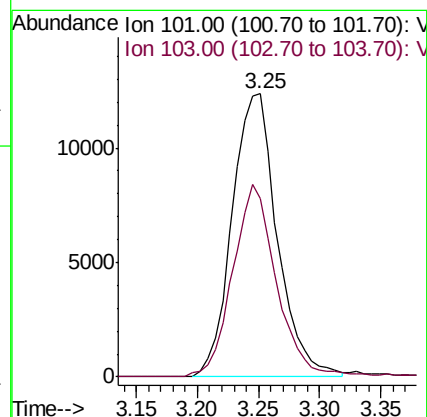
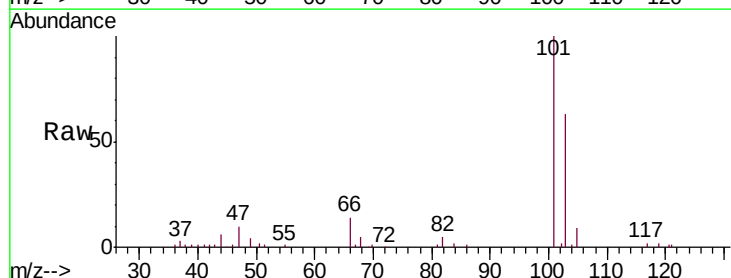
Acq: 03 Jul 2019 03:04

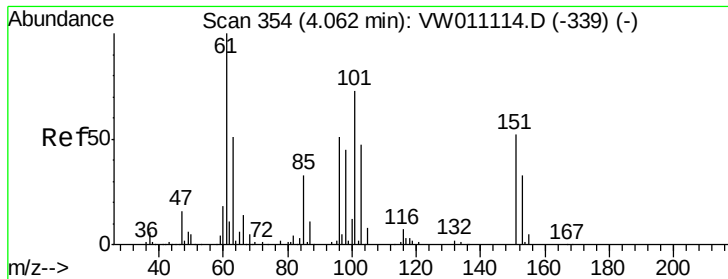
Tgt Ion: 101 Resp: 31718

Ion Ratio Lower Upper

101 100

103 65.6 44.6 82.8





#11

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

Concen: 22.281 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

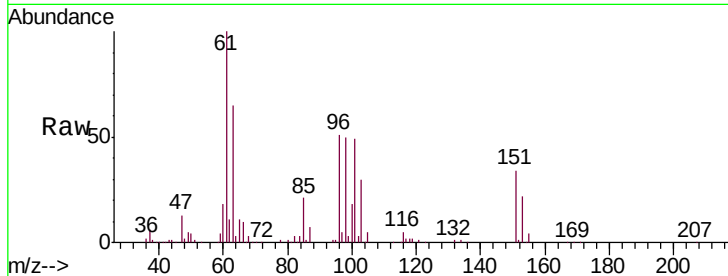
Tgt Ion: 101 Resp: 93209

Ion Ratio Lower Upper

101 100

85 44.1 33.8 50.8

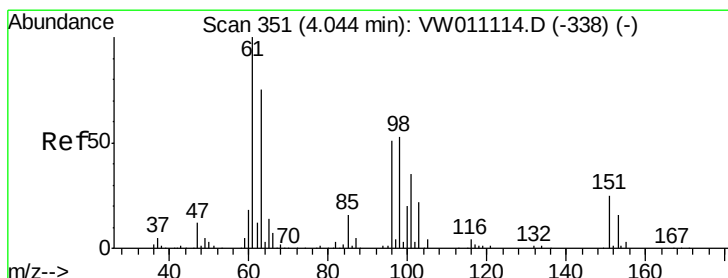
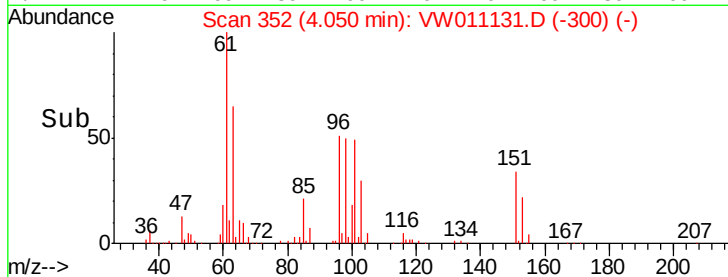
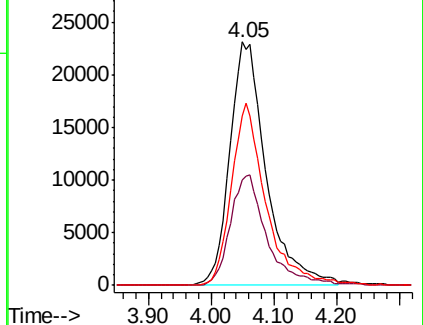
151 69.2 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.253 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

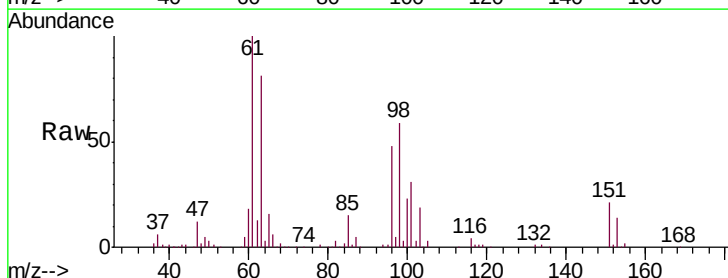
Tgt Ion: 96 Resp: 92009

Ion Ratio Lower Upper

96 100

61 206.4 142.2 264.0

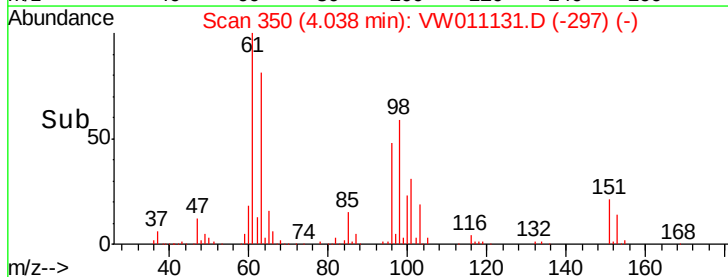
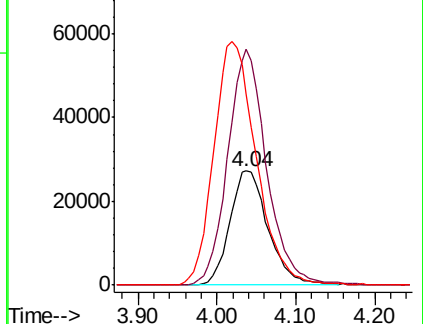
63 167.9 138.9 257.9

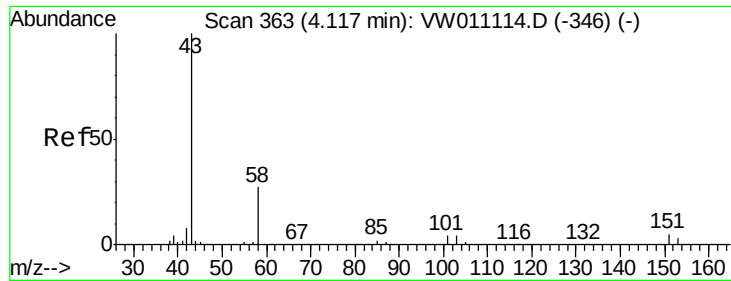


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.590 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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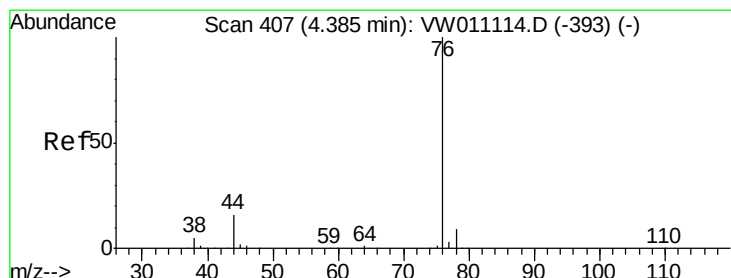
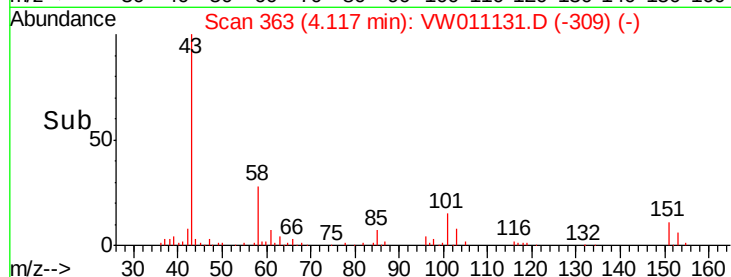
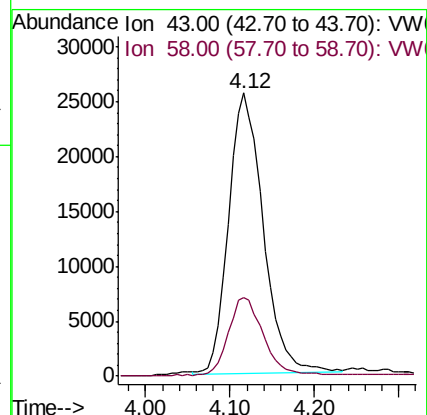
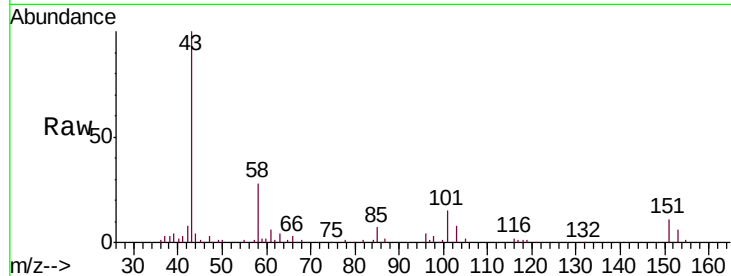
VSTD02514

Tgt Ion: 43 Resp: 71333

Ion Ratio Lower Upper

43 100

58 28.5 0.0 55.0



#14

Carbon disulfide

Concen: 20.960 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011131.D

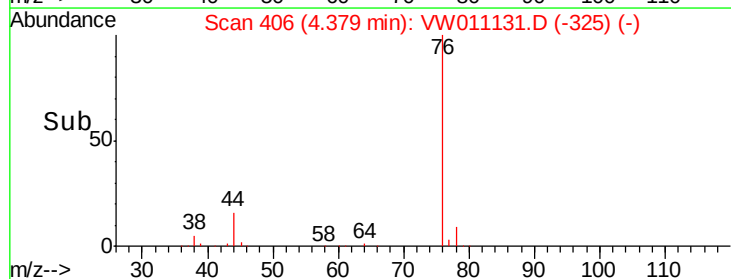
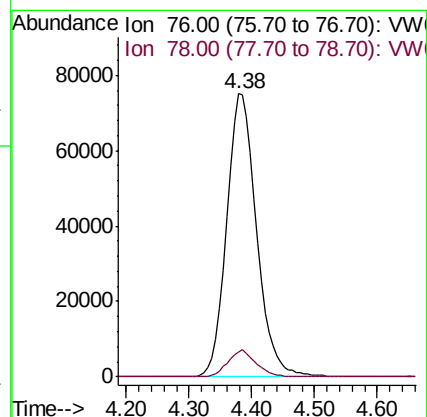
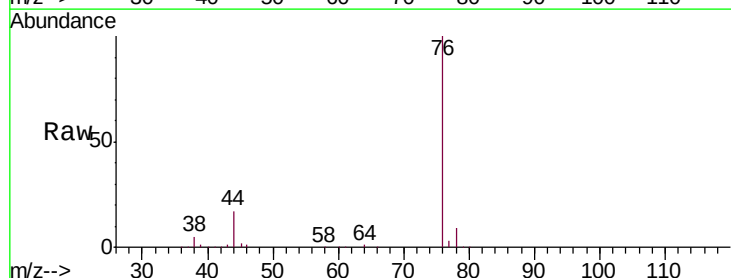
Acq: 03 Jul 2019 03:04

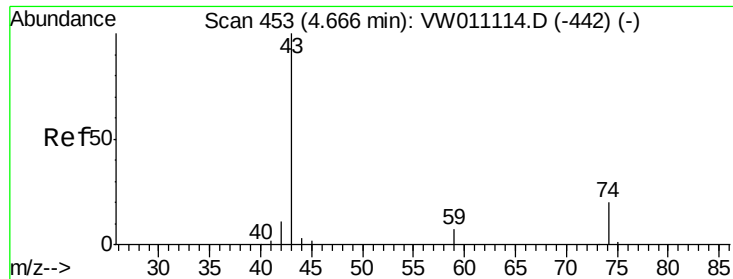
Tgt Ion: 76 Resp: 247905

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9





#15

Methyl Acetate

Concen: 31.041 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

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Acq: 03 Jul 2019 03:04

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MSVOA_W

ClientSampleId :

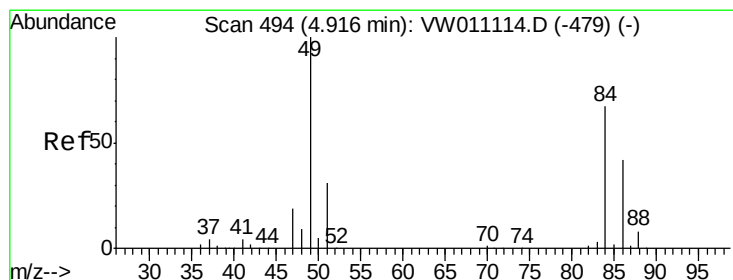
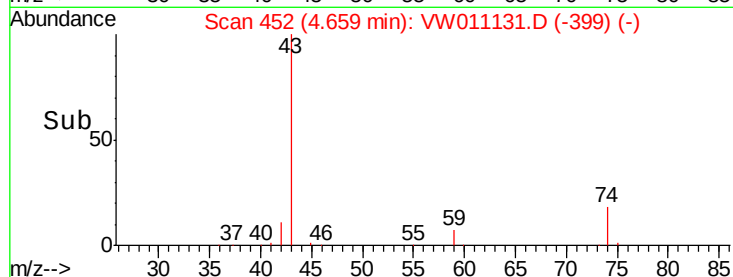
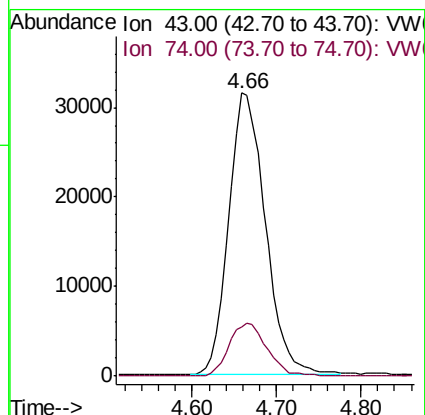
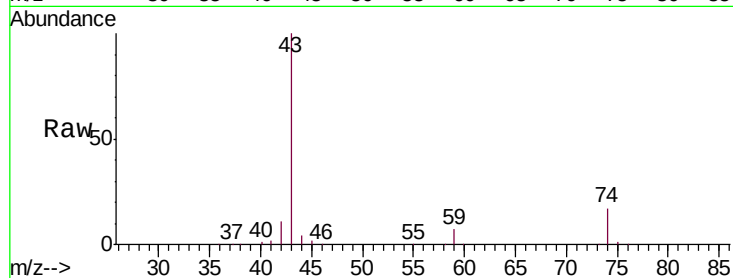
VSTD02514

Tgt Ion: 43 Resp: 93366

Ion Ratio Lower Upper

43 100

74 18.9 15.1 22.7



#16

Methylene chloride

Concen: 24.944 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

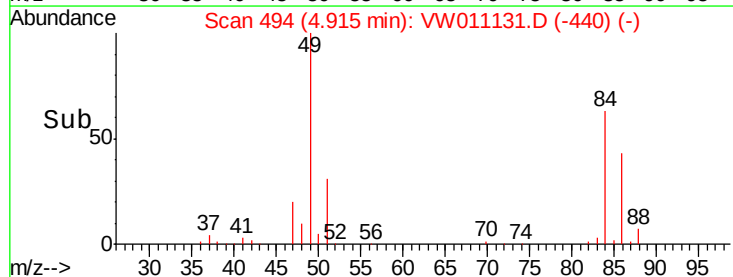
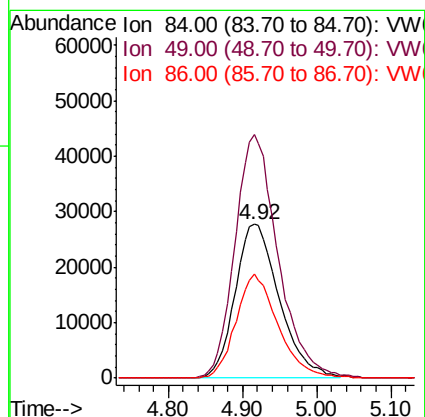
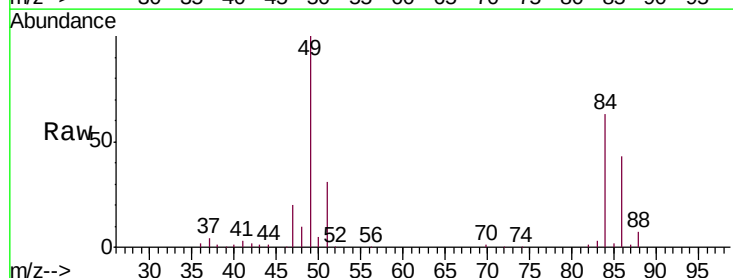
Tgt Ion: 84 Resp: 115327

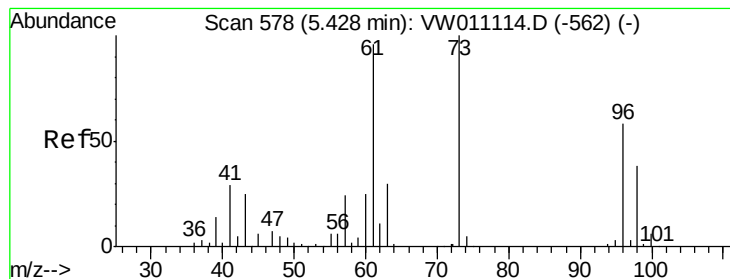
Ion Ratio Lower Upper

84 100

49 158.3 102.5 190.3

86 67.4 46.4 86.2





#17

Methyl tert-butyl Ether

Concen: 28.652 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

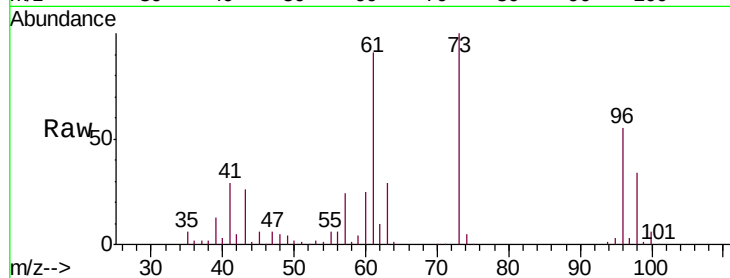
Tgt Ion: 73 Resp: 183721

Ion Ratio Lower Upper

73 100

43 25.4 20.2 30.2

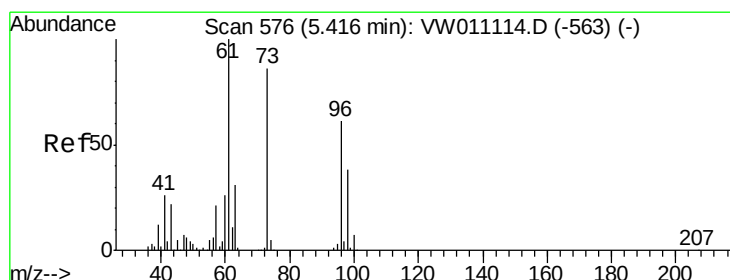
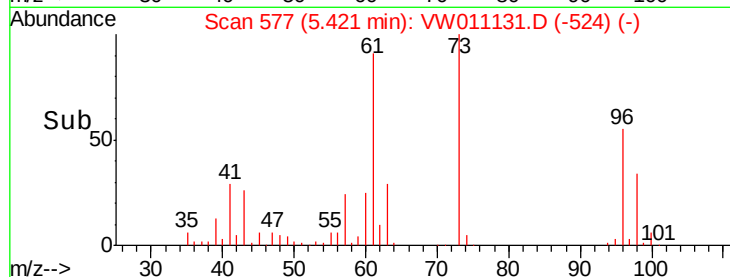
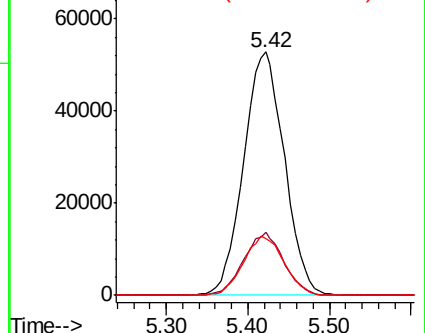
57 24.4 19.6 29.4



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: 23.238 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

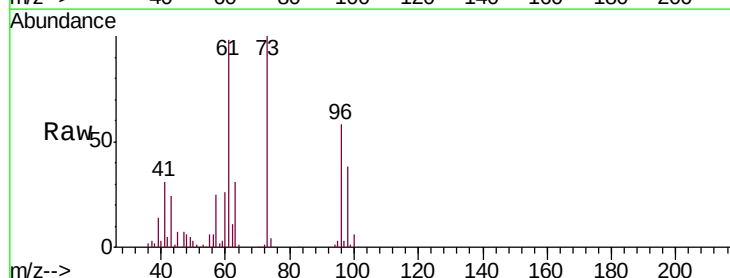
Tgt Ion: 96 Resp: 97093

Ion Ratio Lower Upper

96 100

61 168.6 113.7 211.1

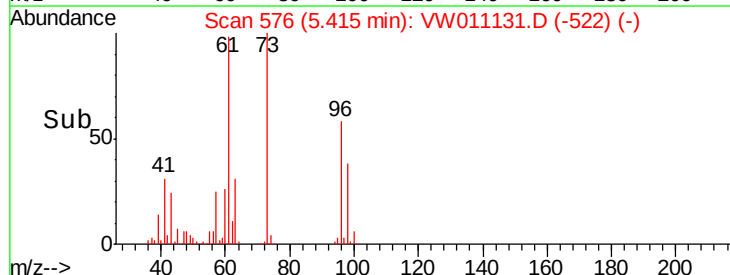
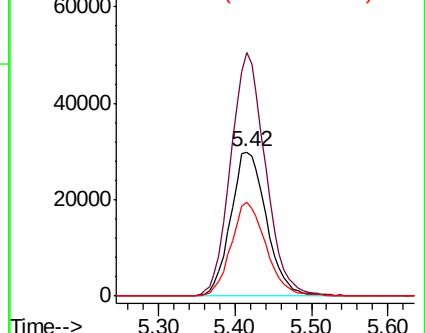
98 64.9 43.3 80.3

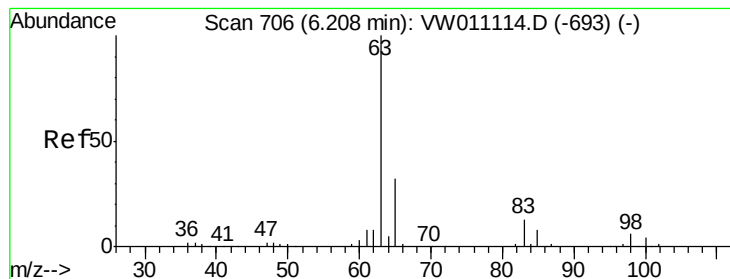


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 24.930 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

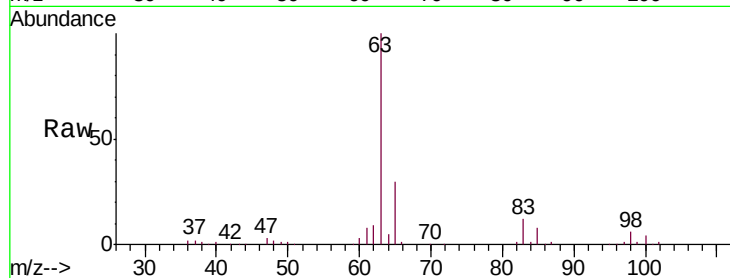
Tgt Ion: 63 Resp: 211463

Ion Ratio Lower Upper

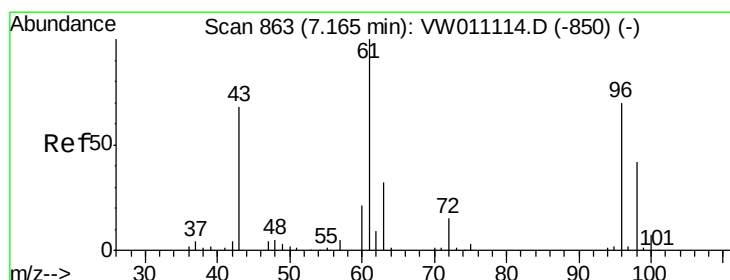
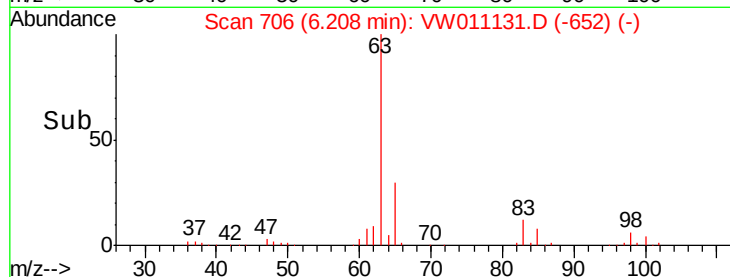
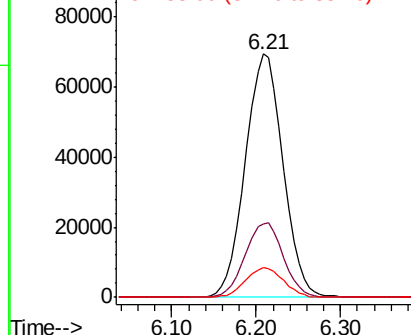
63 100

65 30.1 22.1 41.1

83 12.1 9.0 16.6



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: 53.811 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011131.D

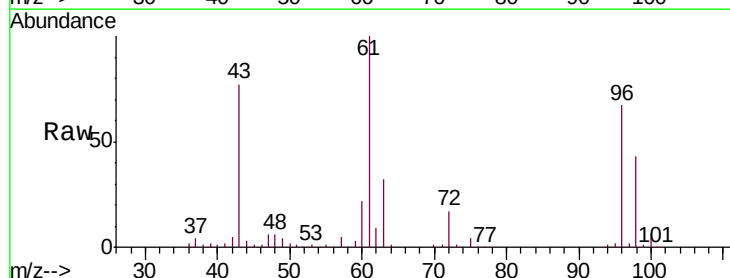
Acq: 03 Jul 2019 03:04

Tgt Ion: 43 Resp: 128408

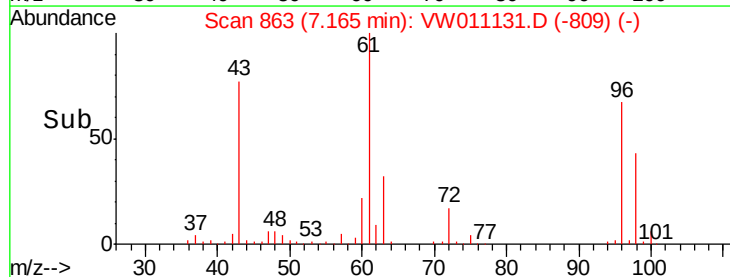
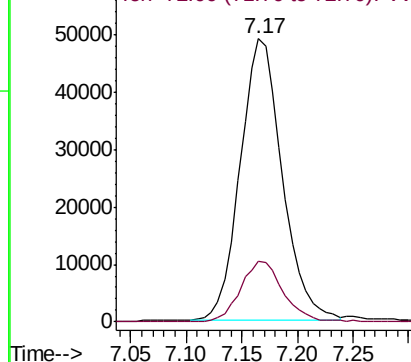
Ion Ratio Lower Upper

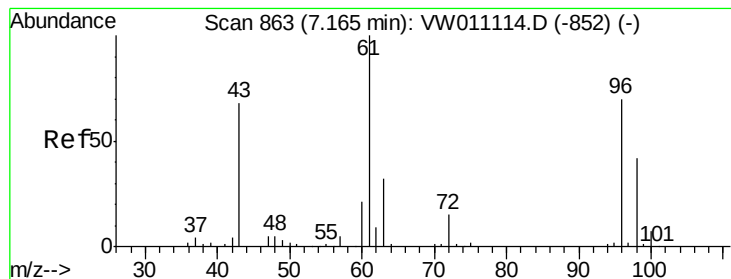
43 100

72 22.1 11.2 33.6



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



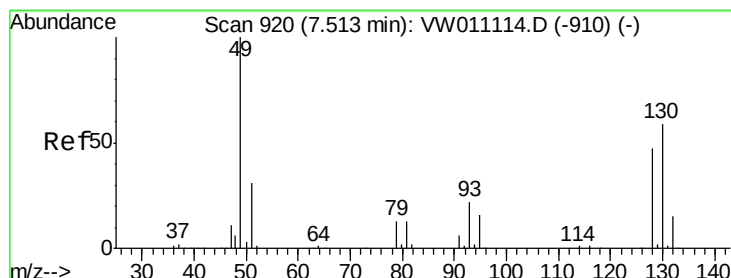
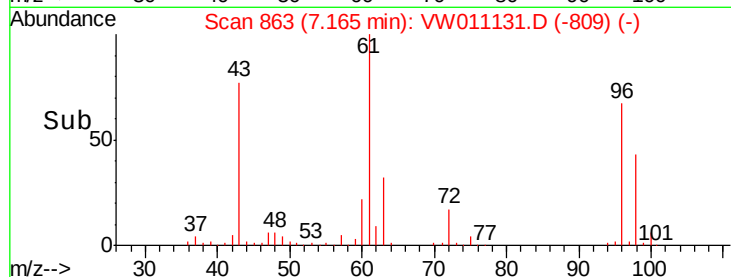
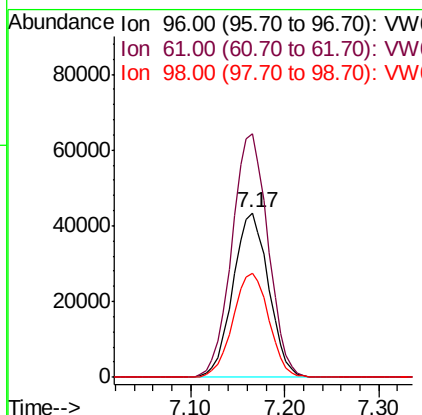
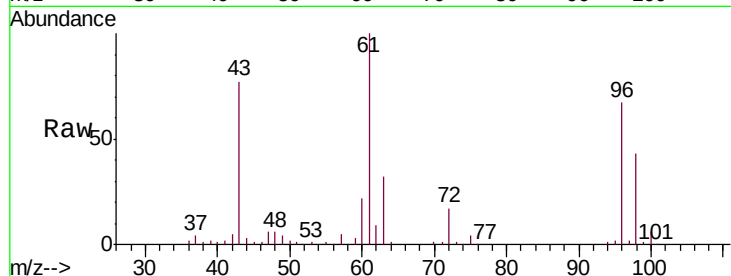


#22

cis-1,2-Dichloroethene
 Concen: 25.345 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

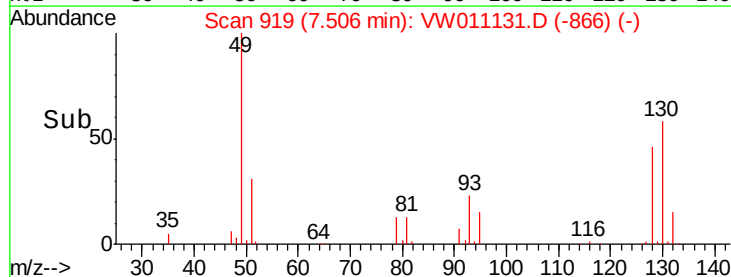
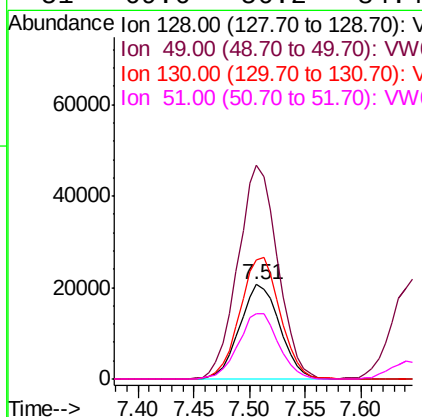
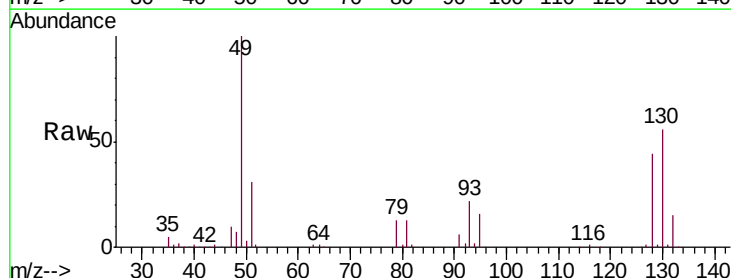
Tgt Ion: 96 Resp: 114628
 Ion Ratio Lower Upper
 96 100
 61 148.2 103.2 191.6
 98 63.7 44.8 83.2

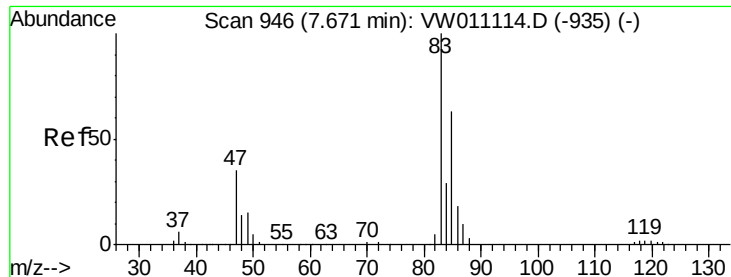


#23

Bromochloromethane
 Concen: 27.315 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

Tgt Ion: 128 Resp: 51835
 Ion Ratio Lower Upper
 128 100
 49 225.7 153.8 285.6
 130 126.4 86.4 160.4
 51 69.6 56.2 84.4

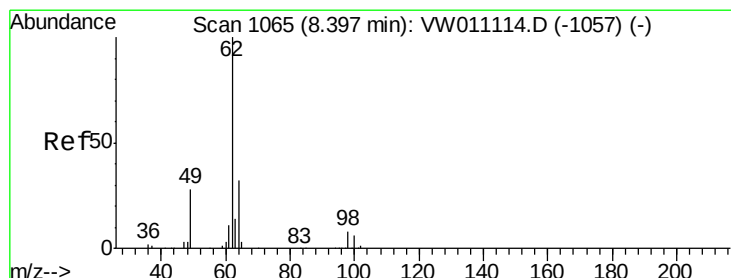
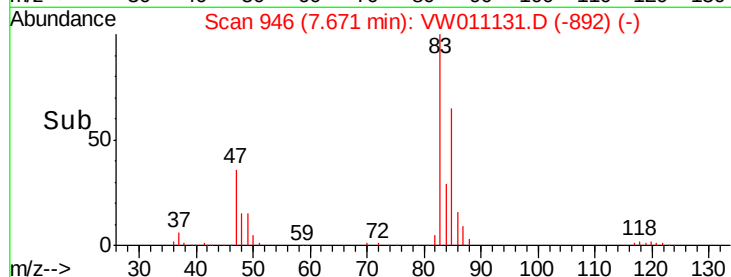
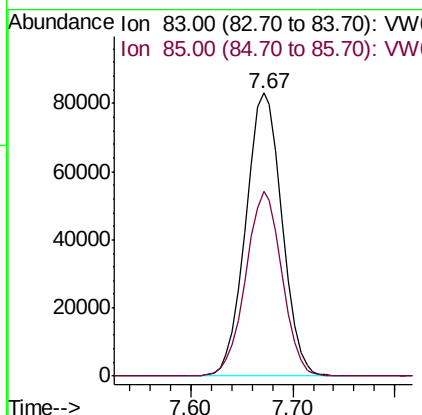
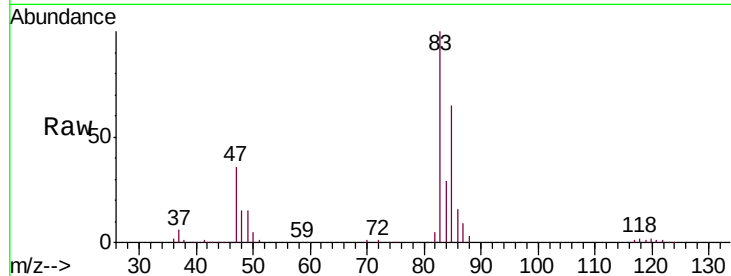




#25
Chloroform
Concen: 25.607 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011131.D
Acq: 03 Jul 2019 03:04

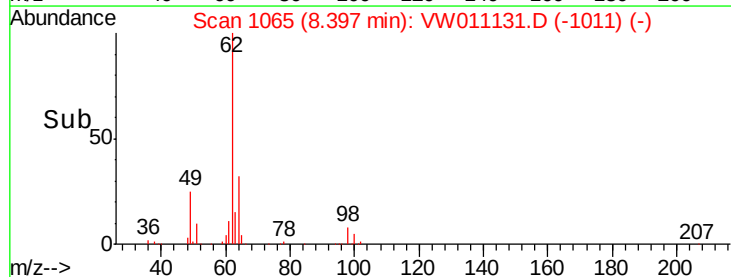
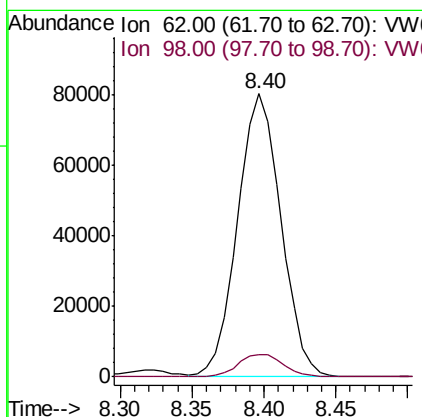
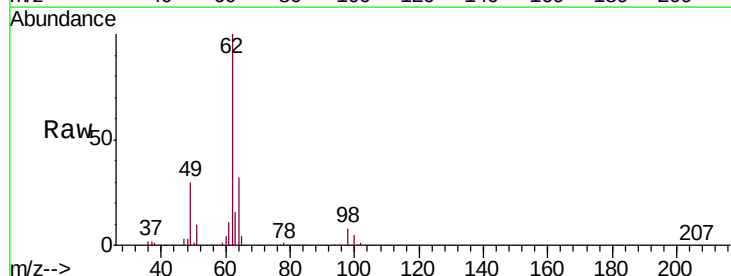
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

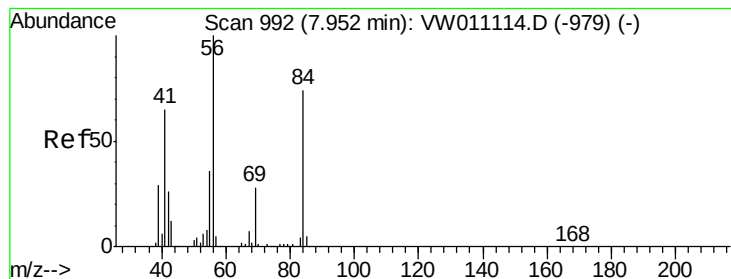
Tgt Ion: 83 Resp: 205736
Ion Ratio Lower Upper
83 100
85 65.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 27.201 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011131.D
Acq: 03 Jul 2019 03:04

Tgt Ion: 62 Resp: 167059
Ion Ratio Lower Upper
62 100
98 7.9 6.6 10.0





#30

Cyclohexane

Concen: 20.456 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

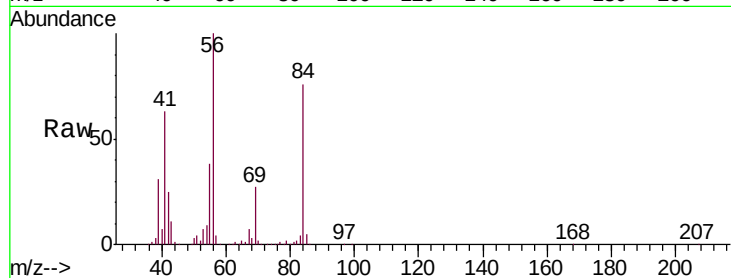
Tgt Ion: 56 Resp: 184420

Ion Ratio Lower Upper

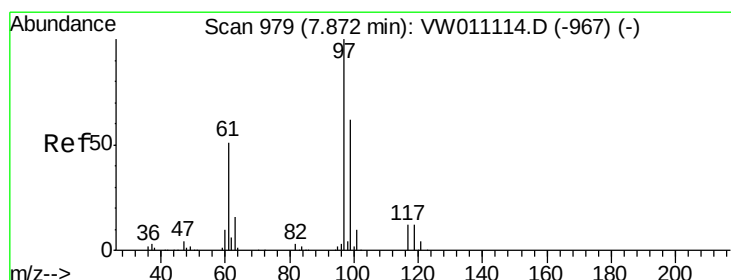
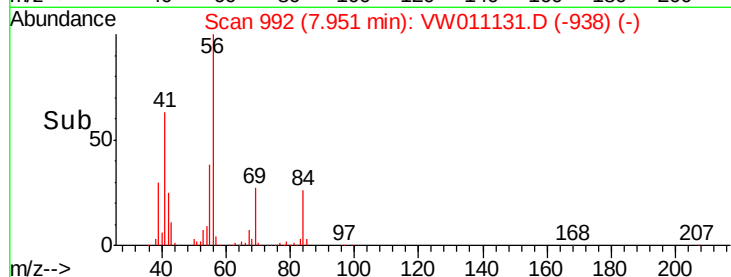
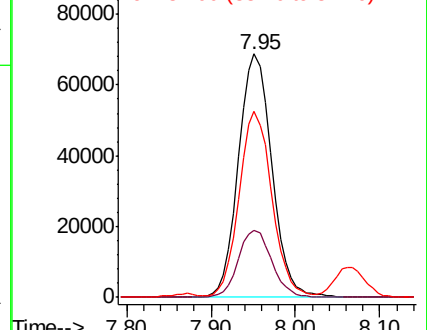
56 100

69 27.8 22.5 33.7

84 75.3 60.9 91.3



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



#31

1,1,1-Trichloroethane

Concen: 22.364 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

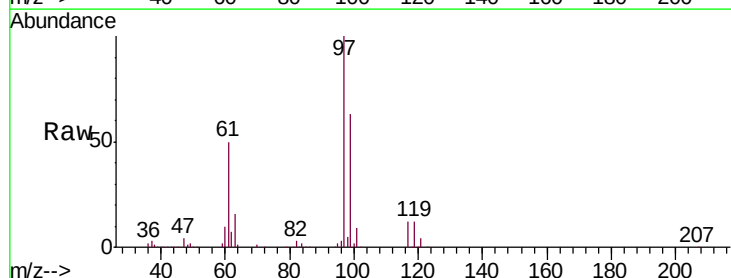
Tgt Ion: 97 Resp: 137636

Ion Ratio Lower Upper

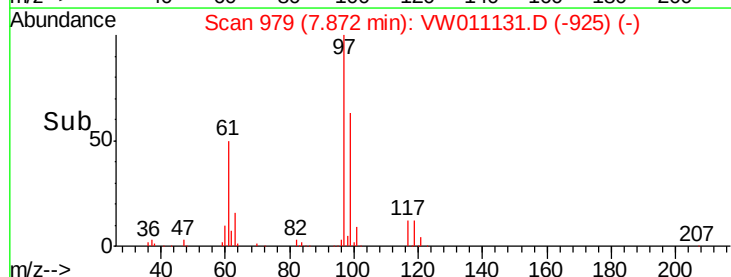
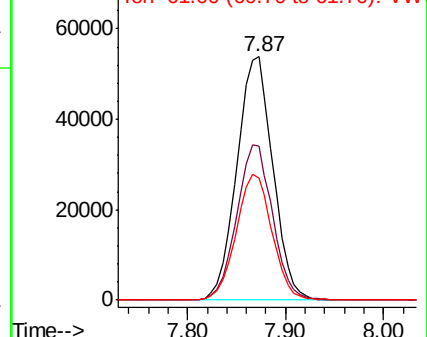
97 100

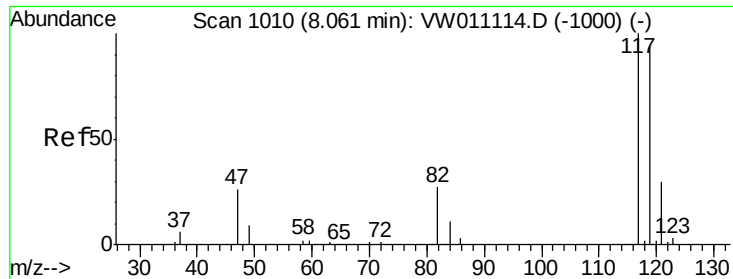
99 63.3 50.6 75.8

61 51.1 40.9 61.3



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





#32

Carbon tetrachloride

Concen: 21.695 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

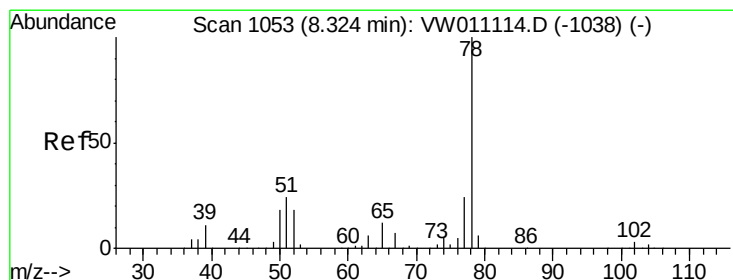
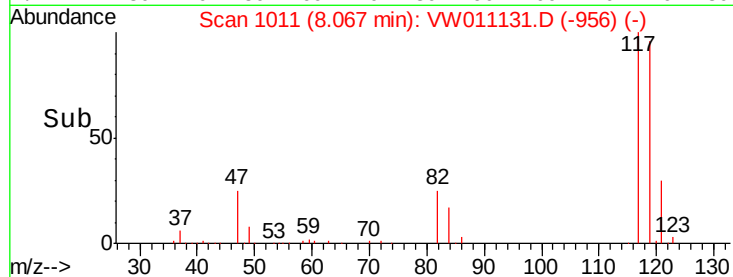
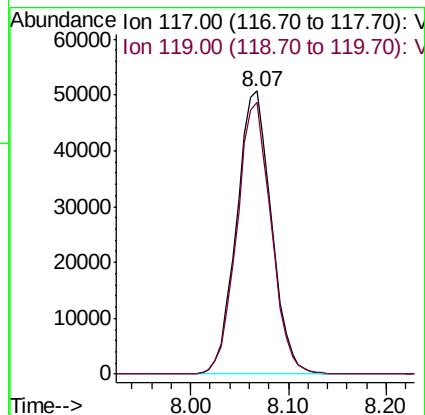
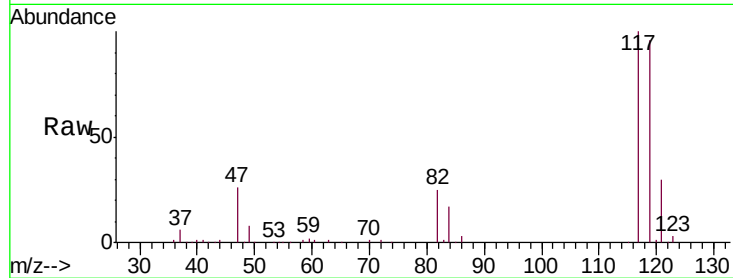
VSTD02514

Tgt Ion:117 Resp: 125218

Ion Ratio Lower Upper

117 100

119 94.6 77.4 116.0



#34

Benzene

Concen: 24.093 ug/L

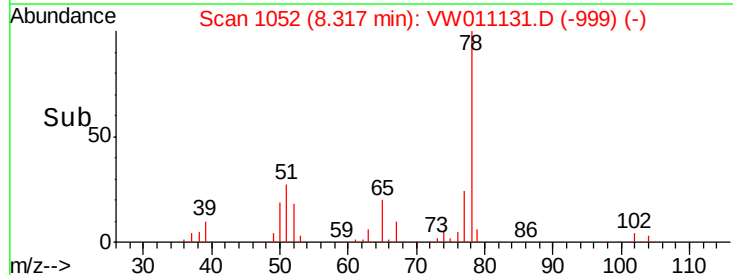
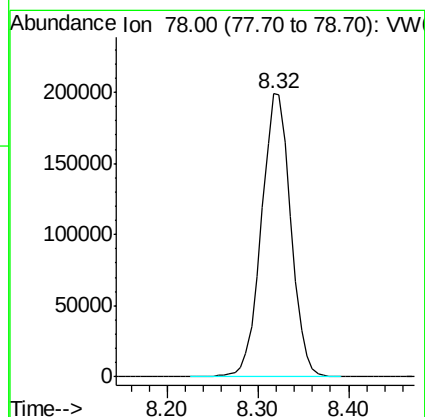
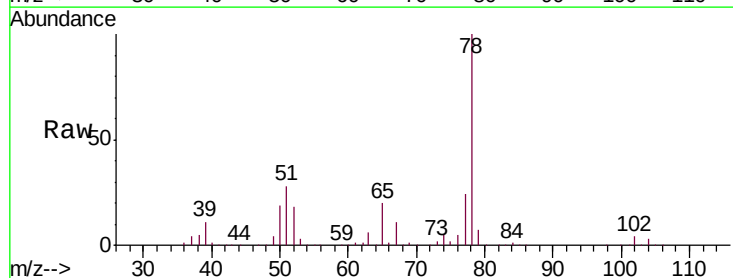
RT: 8.32 min Scan# 1052

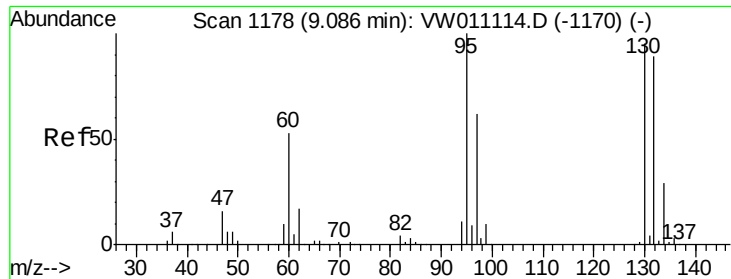
Delta R.T. -0.01 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Tgt Ion: 78 Resp: 446509





#35

Trichloroethene

Concen: 22.939 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tgt Ion: 95 Resp: 107278

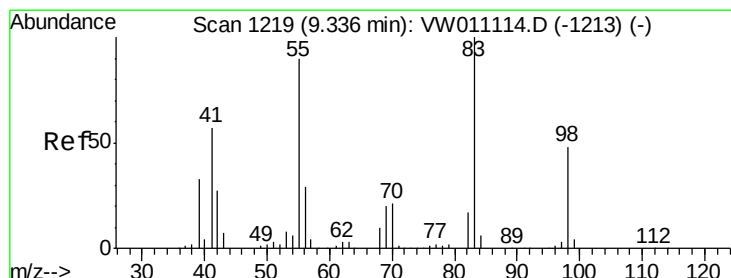
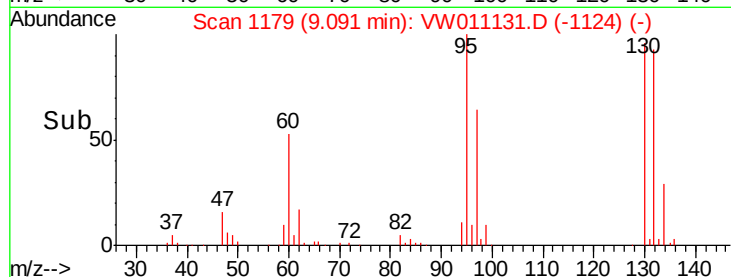
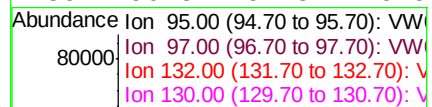
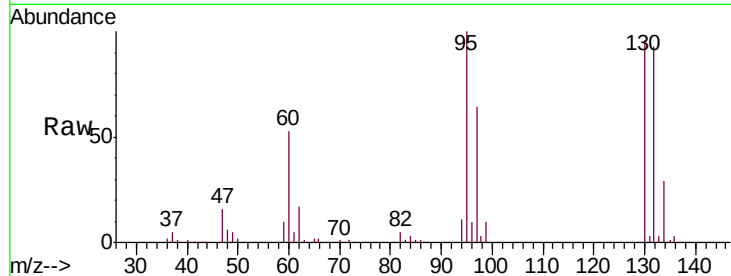
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.2

132 90.8 65.0 120.8

130 96.3 67.8 126.0



#36

Methylcyclohexane

Concen: 20.494 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

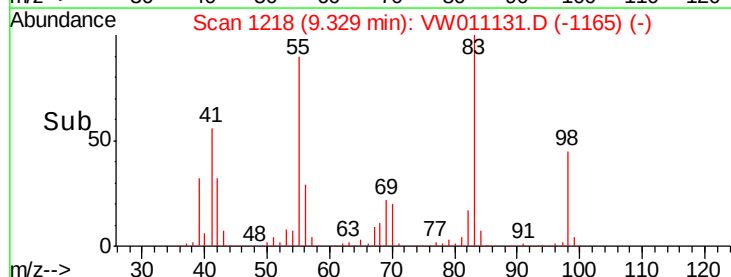
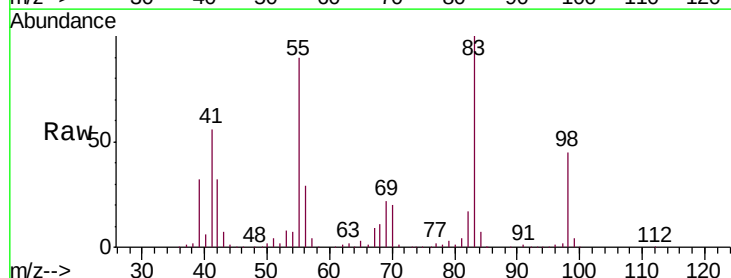
Tgt Ion: 83 Resp: 172483

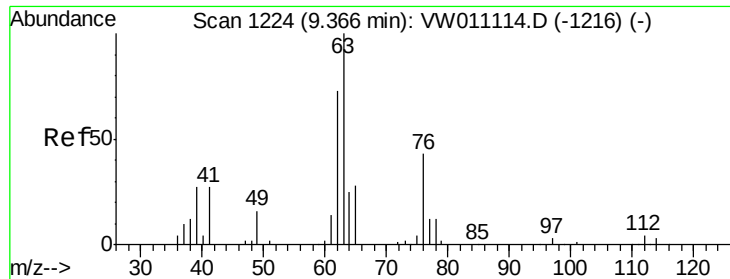
Ion Ratio Lower Upper

83 100

55 91.2 72.2 108.4

98 47.4 38.2 57.4

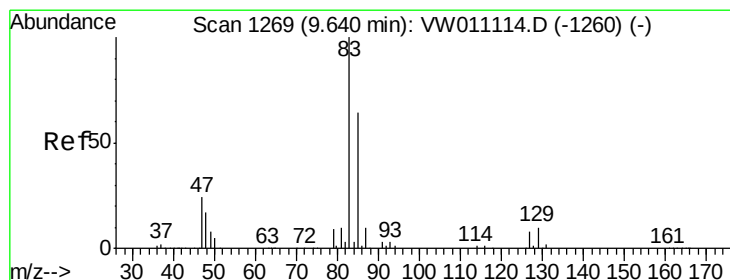
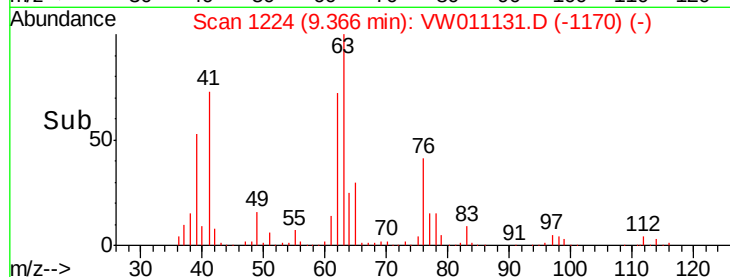
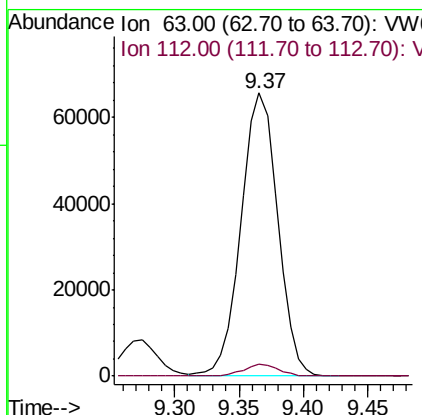
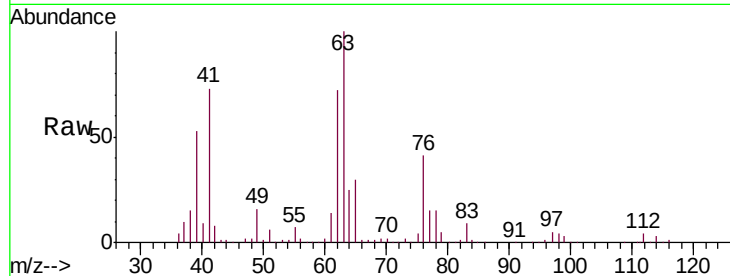




#40
 1,2-Dichloropropane
 Concen: 25.573 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

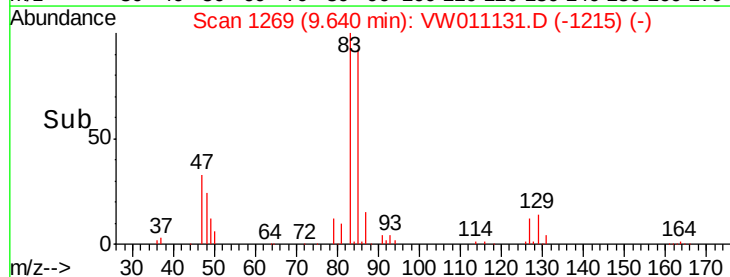
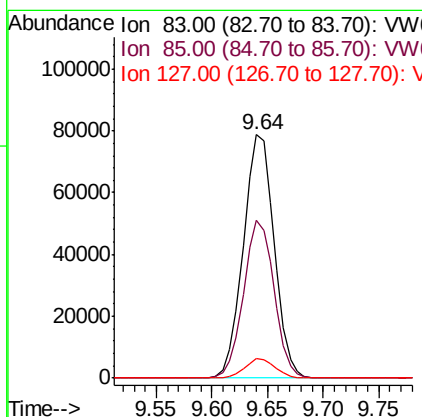
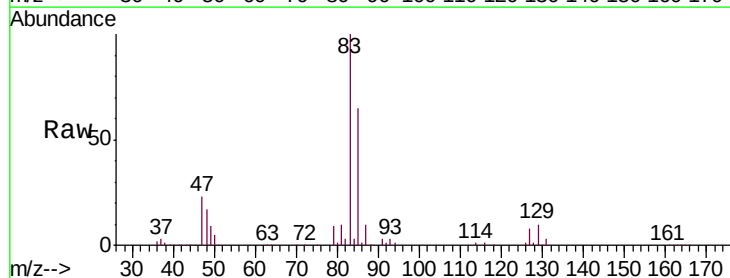
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

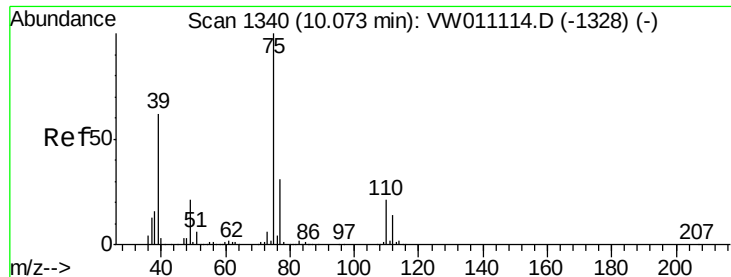
Tgt Ion: 63 Resp: 129865
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#41
 Bromodichloromethane
 Concen: 25.977 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

Tgt Ion: 83 Resp: 152091
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.5 84.5
 127 8.3 5.8 8.8





#42

cis-1,3-Dichloropropene

Concen: 24.876 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

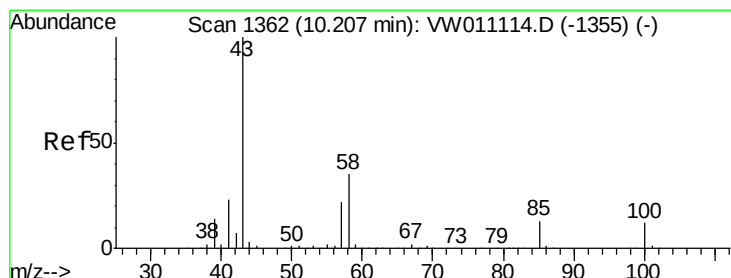
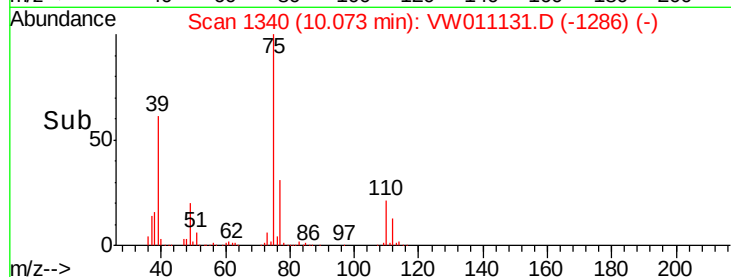
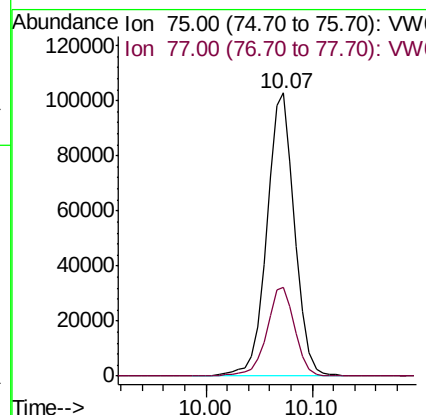
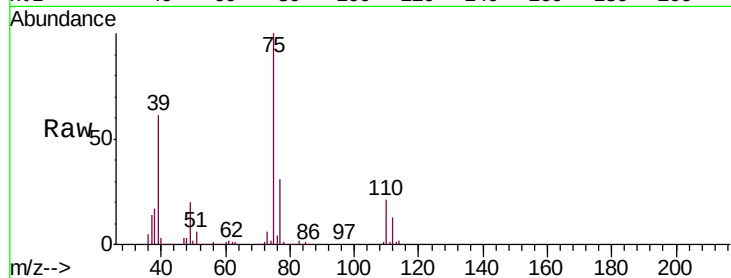
VSTD02514

Tgt Ion: 75 Resp: 186394

Ion Ratio Lower Upper

75 100

77 31.5 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 59.372 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

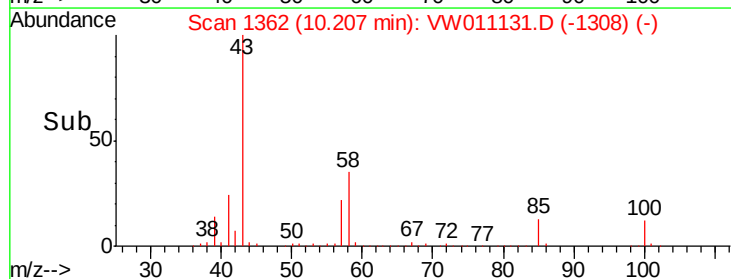
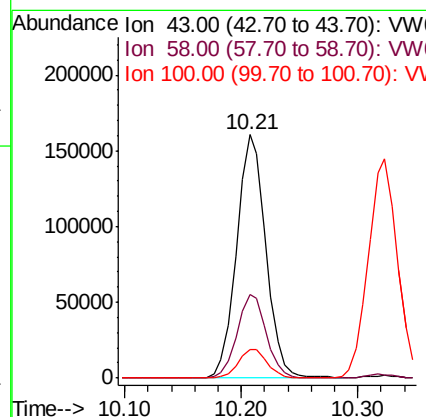
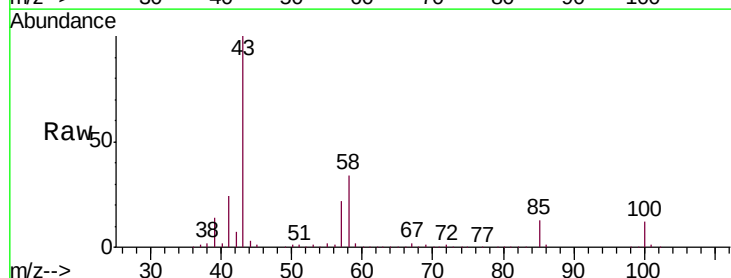
Tgt Ion: 43 Resp: 279498

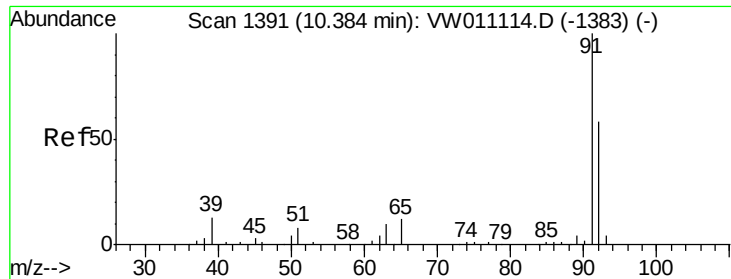
Ion Ratio Lower Upper

43 100

58 34.6 28.1 42.1

100 11.9 9.3 13.9





#44

Toluene

Concen: 24.161 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampled :

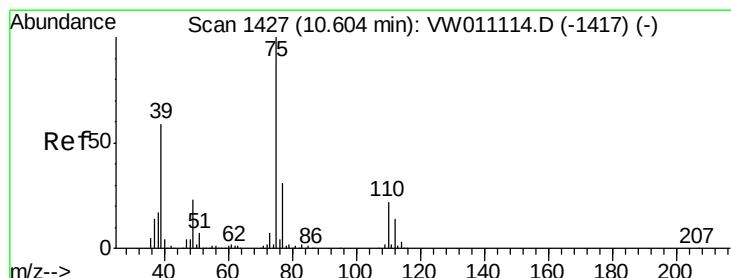
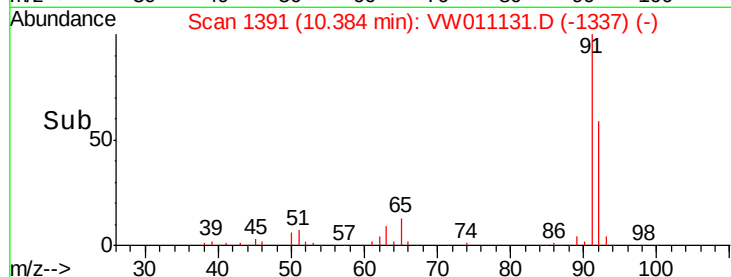
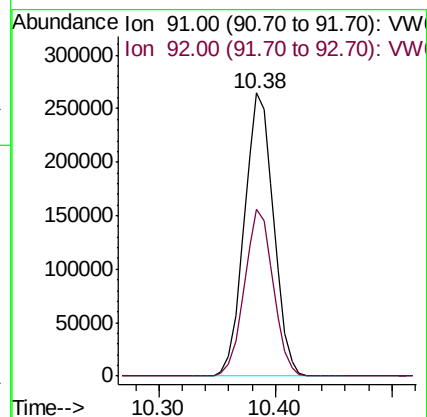
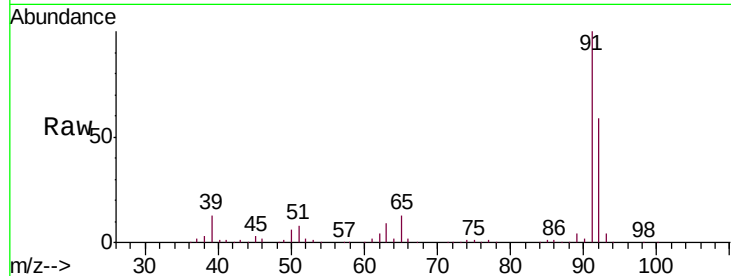
VSTD02514

Tgt Ion: 91 Resp: 463465

Ion Ratio Lower Upper

91 100

92 59.0 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 25.450 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011131.D

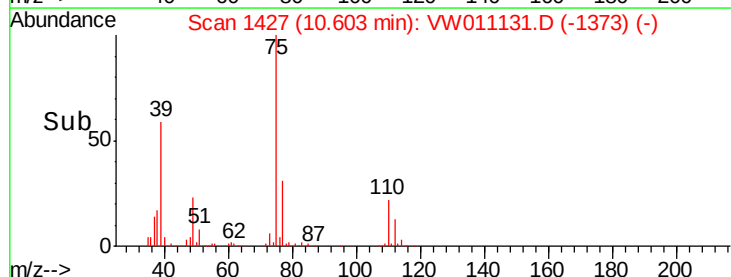
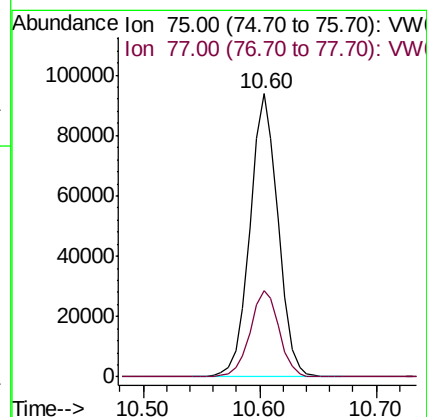
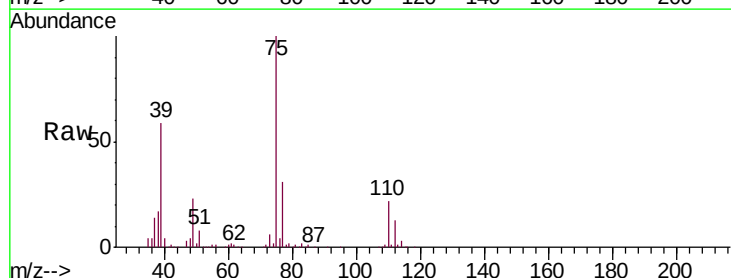
Acq: 03 Jul 2019 03:04

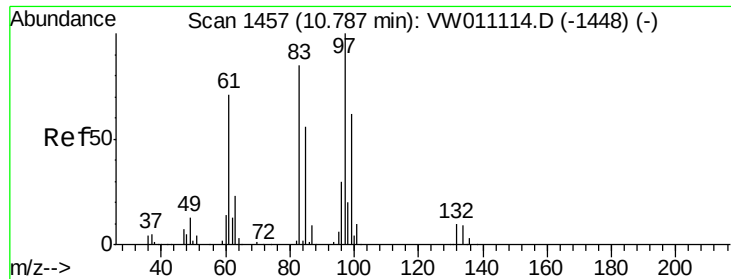
Tgt Ion: 75 Resp: 157790

Ion Ratio Lower Upper

75 100

77 30.5 22.3 41.5

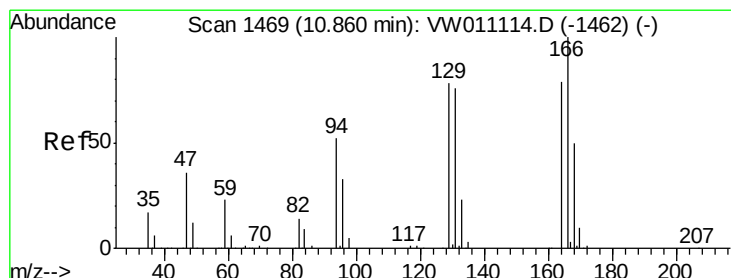
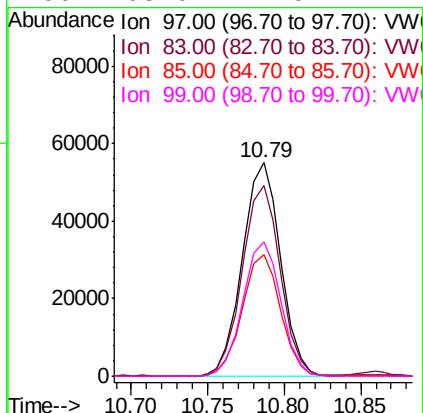
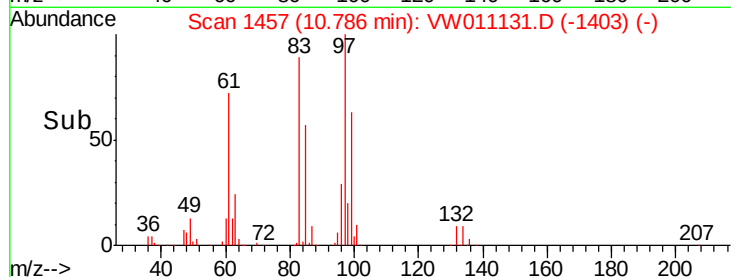
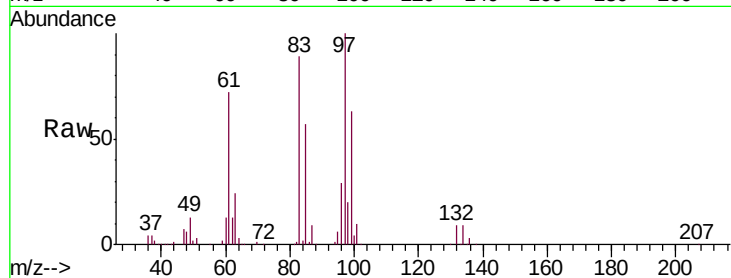




#46
1,1,2-Trichloroethane
Concen: 27.268 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW011131.D
Acq: 03 Jul 2019 03:04

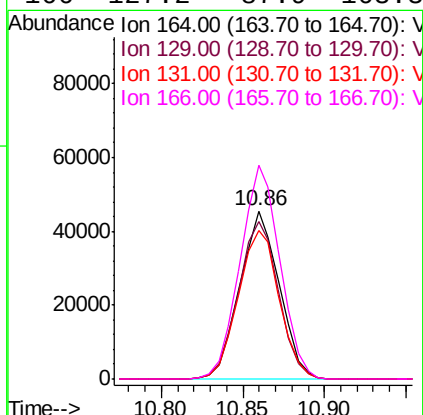
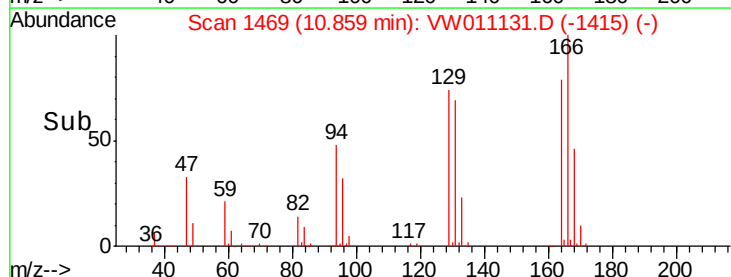
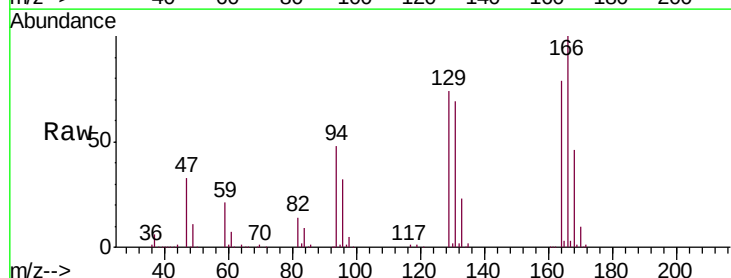
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

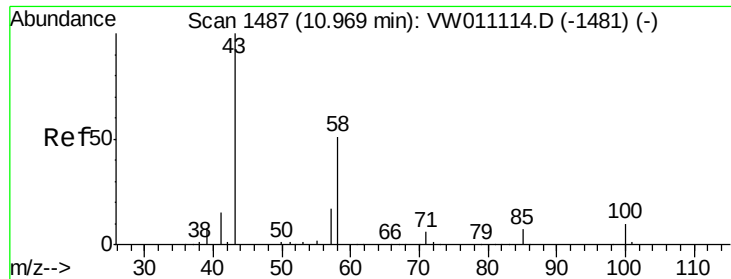
Tgt Ion:	97	Resp:	95893
Ion	Ratio	Lower	Upper
97	100		
83	89.3	63.1	117.3
85	57.2	39.0	72.4
99	63.0	41.5	77.1



#47
Tetrachloroethene
Concen: 21.644 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011131.D
Acq: 03 Jul 2019 03:04

Tgt Ion:	164	Resp:	76501
Ion	Ratio	Lower	Upper
164	100		
129	93.6	68.5	127.1
131	88.1	64.8	120.4
166	127.2	87.9	163.3

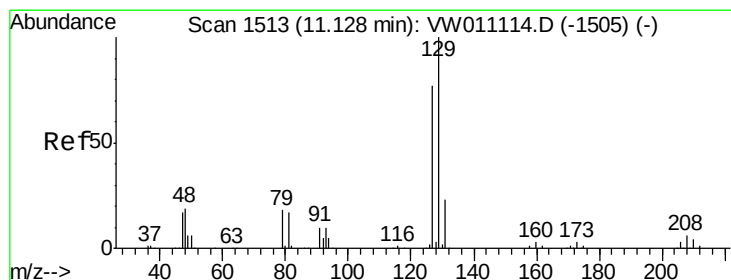
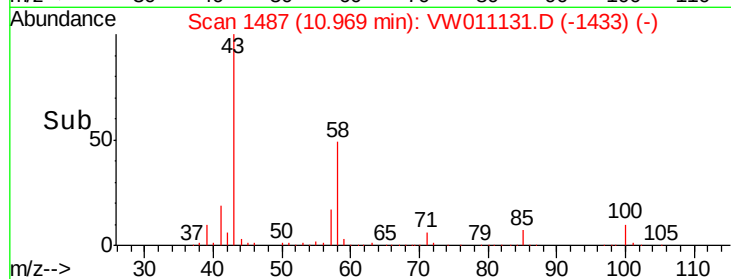
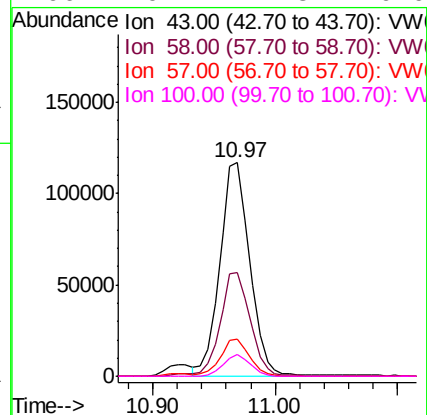
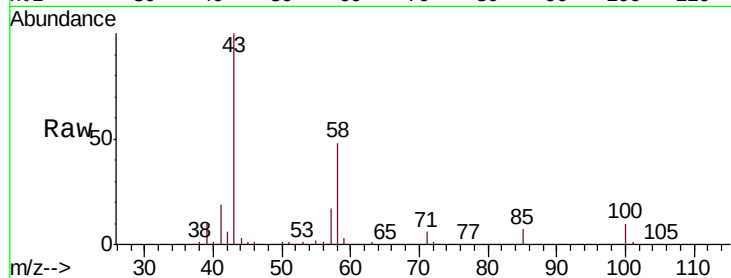




#49
2-Hexanone
Concen: 57.945 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011131.D
Acq: 03 Jul 2019 03:04

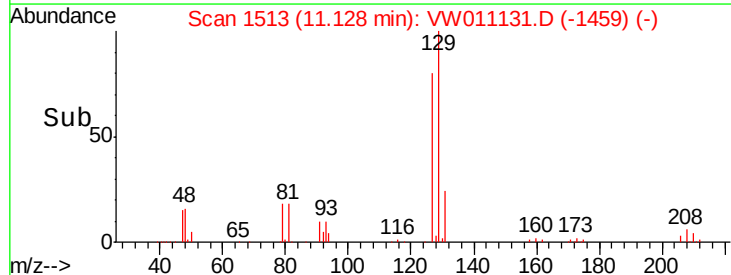
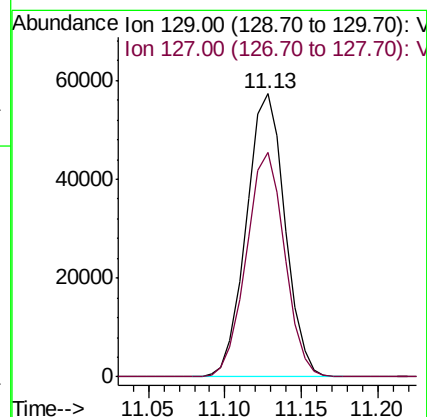
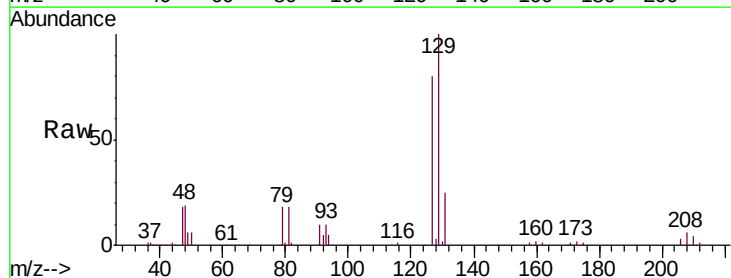
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

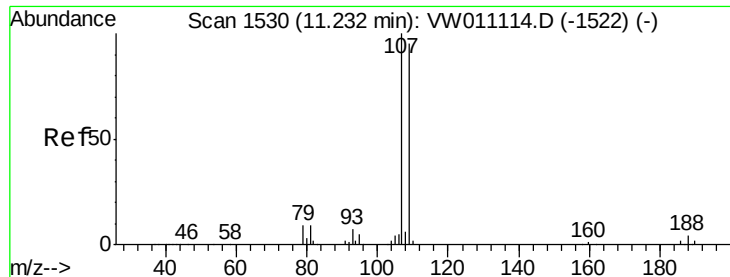
Tgt Ion: 43 Resp: 198556
Ion Ratio Lower Upper
43 100
58 49.9 38.4 57.6
57 16.6 13.3 19.9
100 9.2 7.3 10.9



#50
Dibromochloromethane
Concen: 26.903 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011131.D
Acq: 03 Jul 2019 03:04

Tgt Ion: 129 Resp: 100748
Ion Ratio Lower Upper
129 100
127 79.5 53.3 99.1

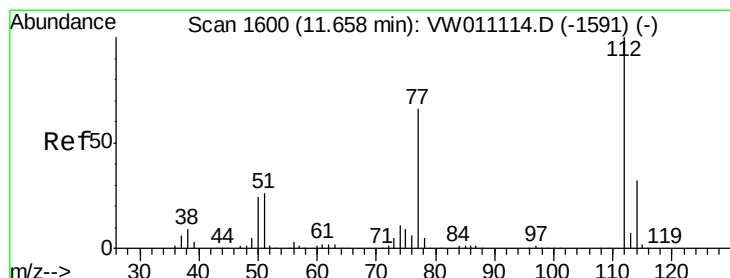
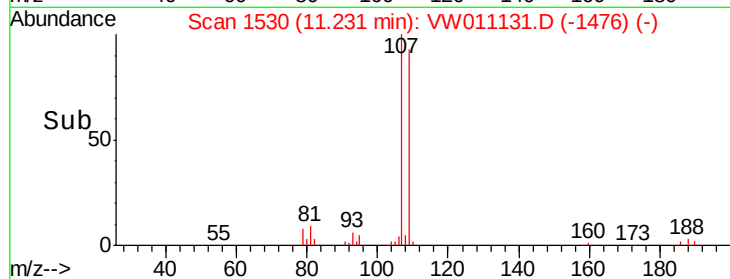
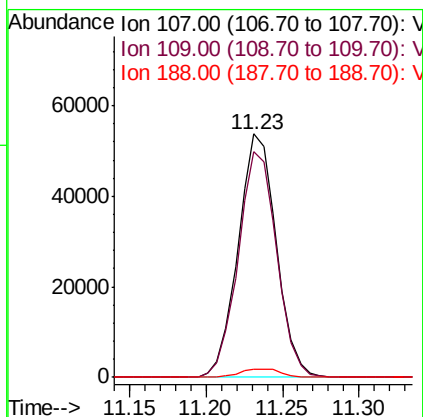
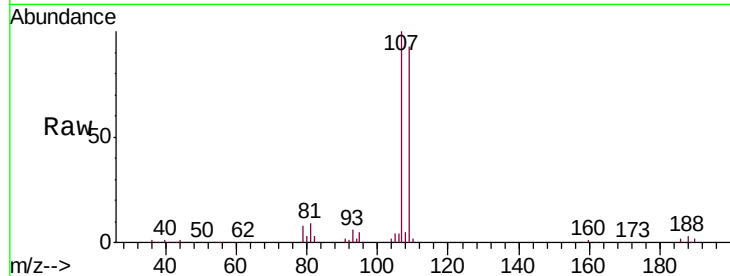




#51
 1,2-Dibromoethane
 Concen: 27.390 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

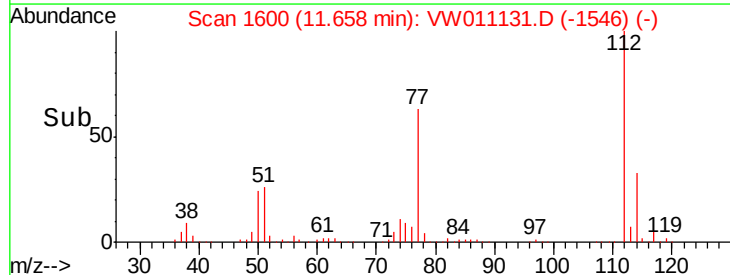
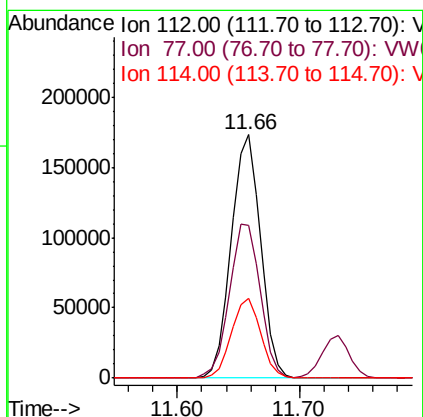
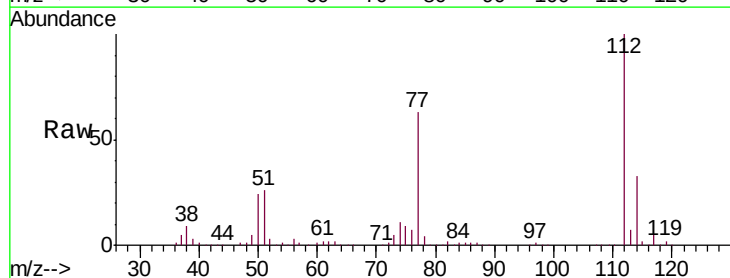
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

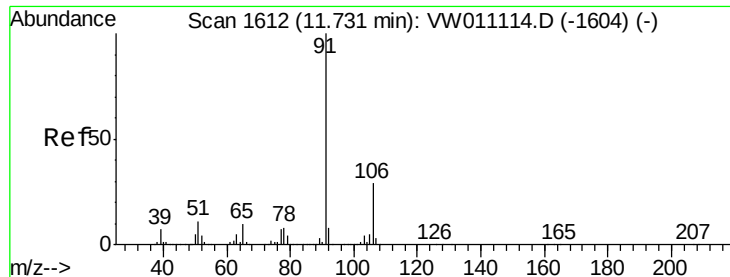
Tgt Ion:107 Resp: 93008
 Ion Ratio Lower Upper
 107 100
 109 92.9 64.3 119.3
 188 3.2 3.2 4.8



#52
 Chlorobenzene
 Concen: 24.539 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

Tgt Ion:112 Resp: 287578
 Ion Ratio Lower Upper
 112 100
 77 62.9 51.2 76.8
 114 32.6 22.0 40.8





#53

Ethylbenzene

Concen: 23.625 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

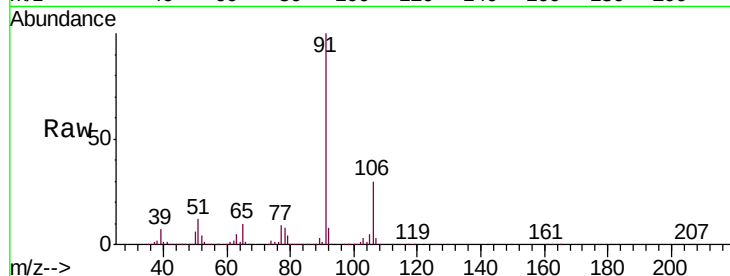
VSTD02514

Tgt Ion: 91 Resp: 514042

Ion Ratio Lower Upper

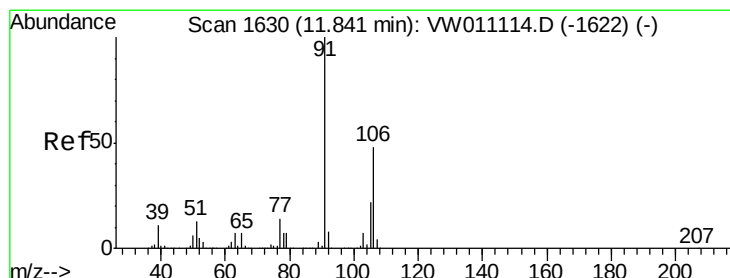
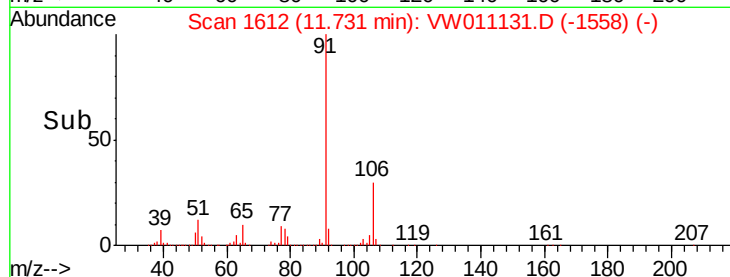
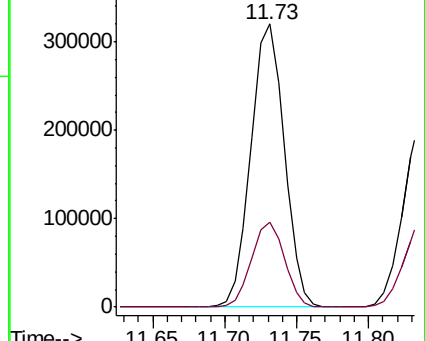
91 100

106 29.9 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: 23.647 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW011131.D

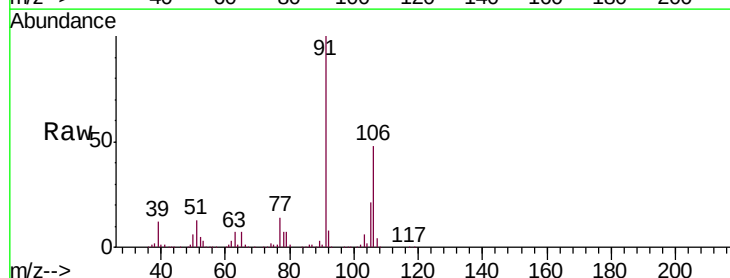
Acq: 03 Jul 2019 03:04

Tgt Ion: 106 Resp: 186804

Ion Ratio Lower Upper

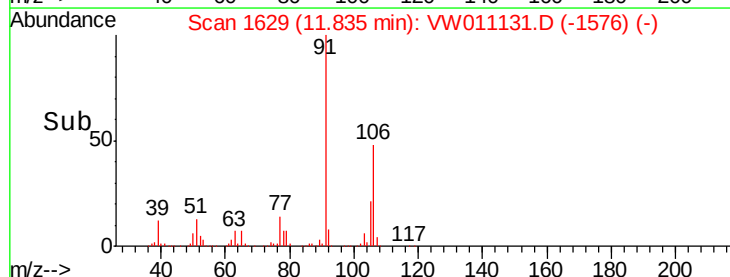
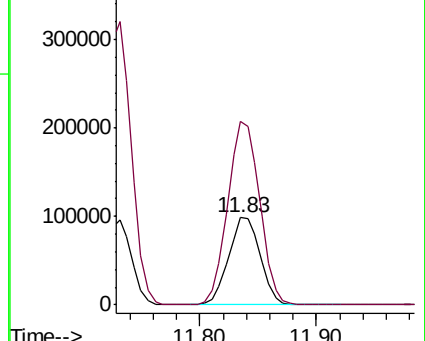
106 100

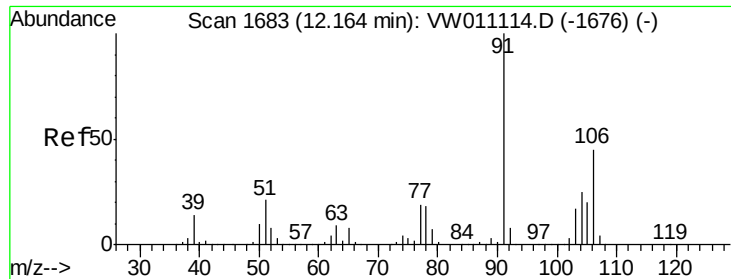
91 210.1 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 24.672 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

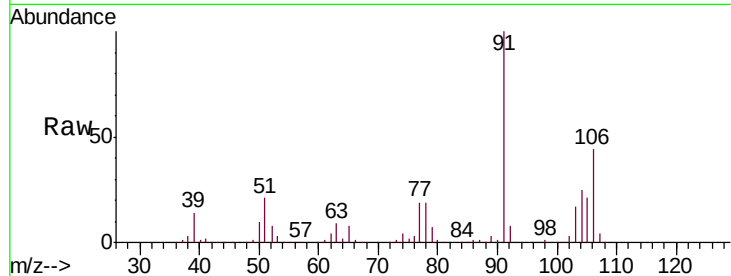
VSTD02514

Tgt Ion:106 Resp: 185407

Ion Ratio Lower Upper

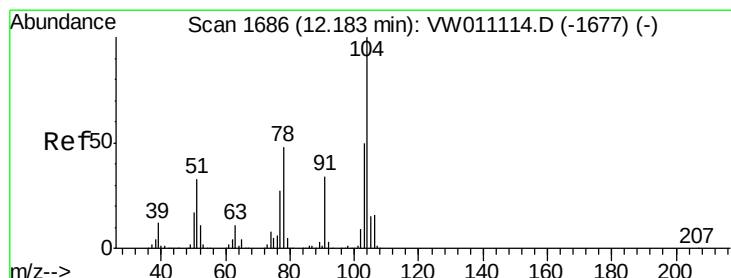
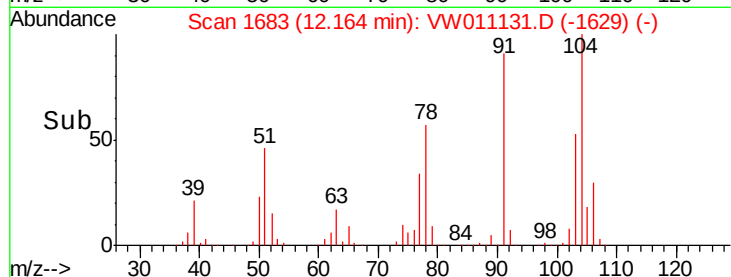
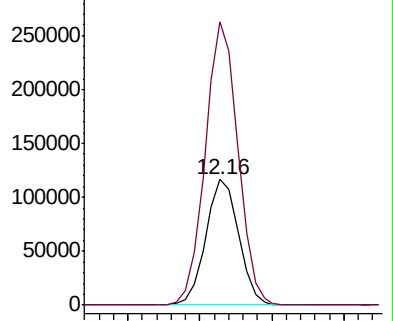
106 100

91 225.0 154.6 287.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.797 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW011131.D

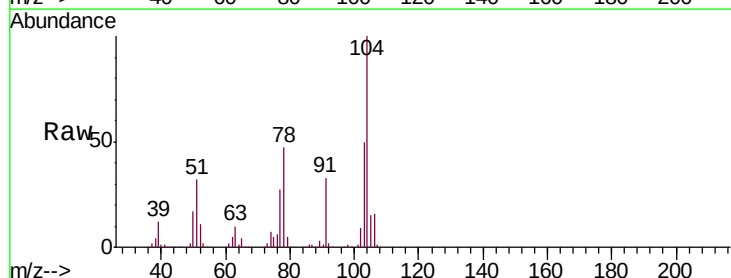
Acq: 03 Jul 2019 03:04

Tgt Ion:104 Resp: 332567

Ion Ratio Lower Upper

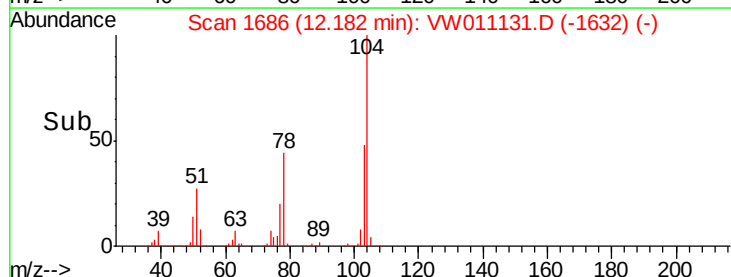
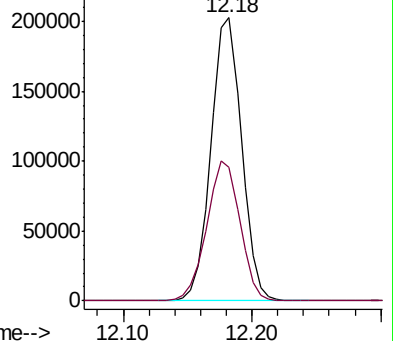
104 100

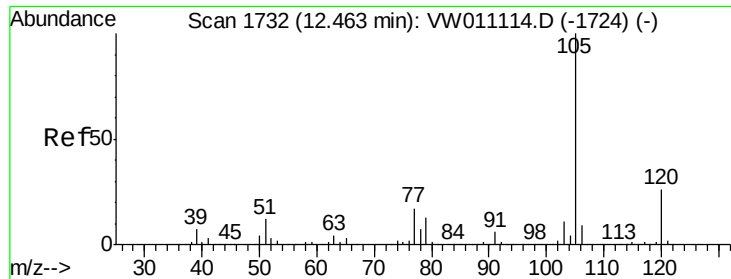
78 47.1 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 23.584 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

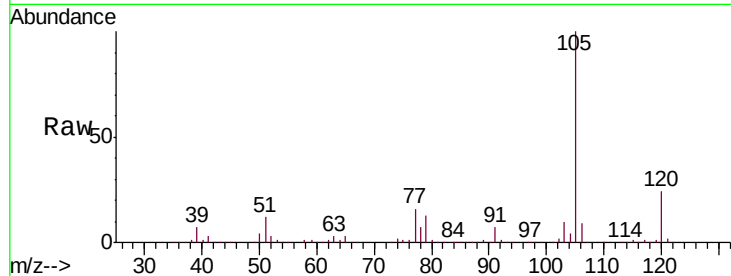
Tgt Ion:105 Resp: 483794

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

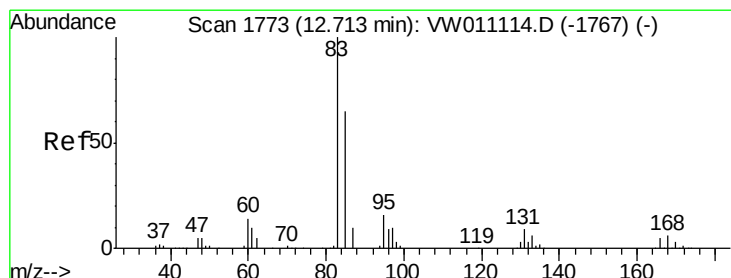
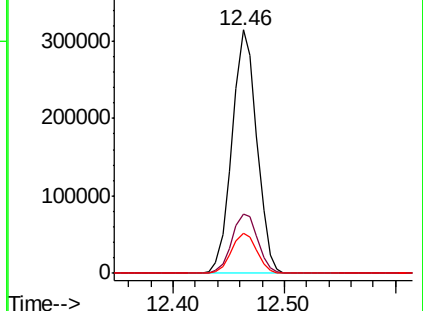
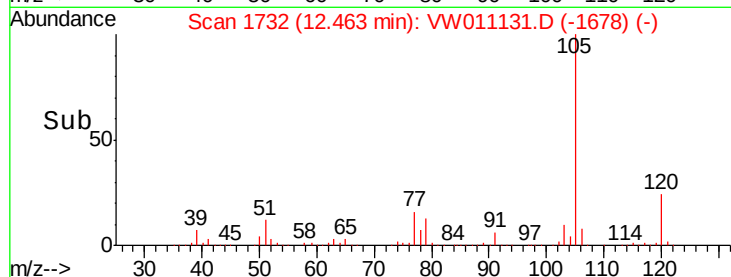
77 17.0 13.5 20.3



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: 28.749 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

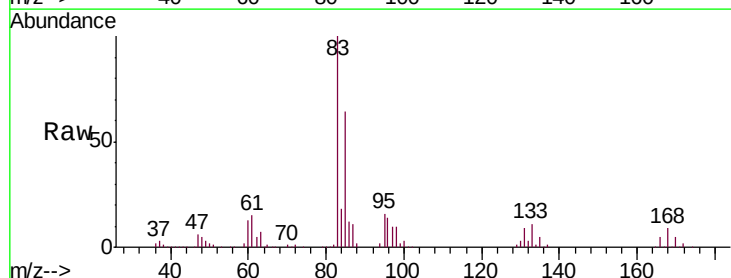
Tgt Ion: 83 Resp: 134502

Ion Ratio Lower Upper

83 100

85 63.7 44.0 81.6

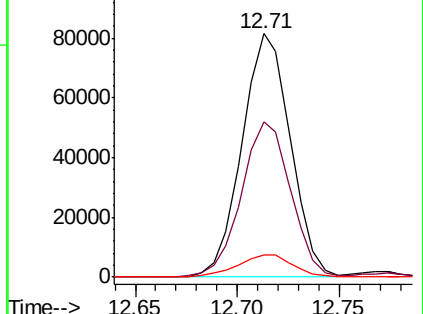
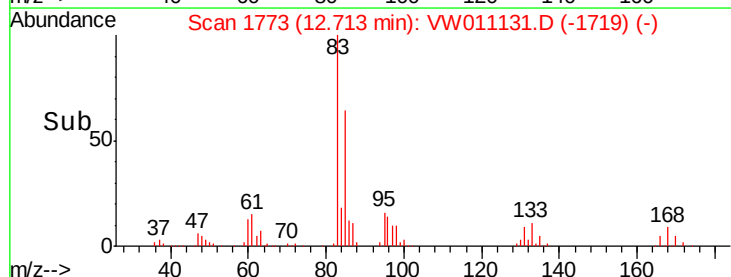
131 8.9 6.7 10.1

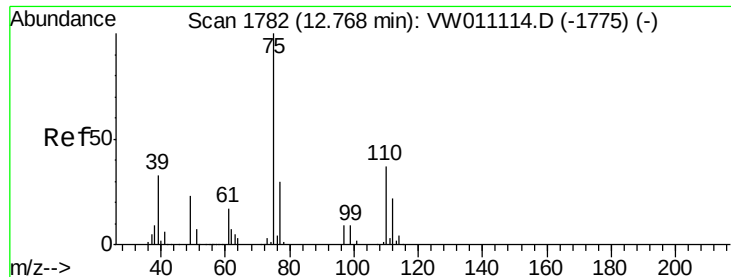


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.272 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

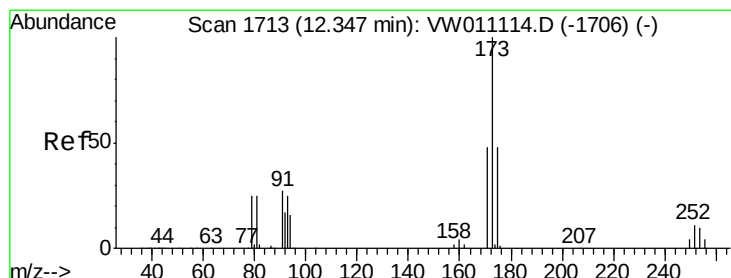
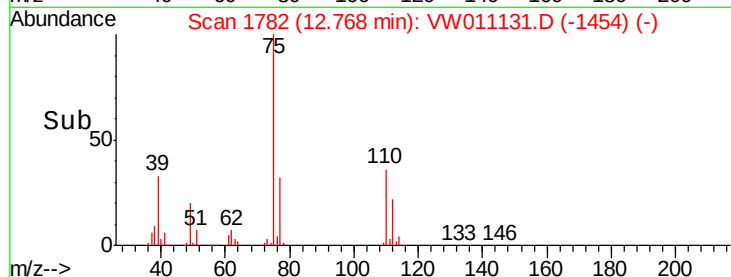
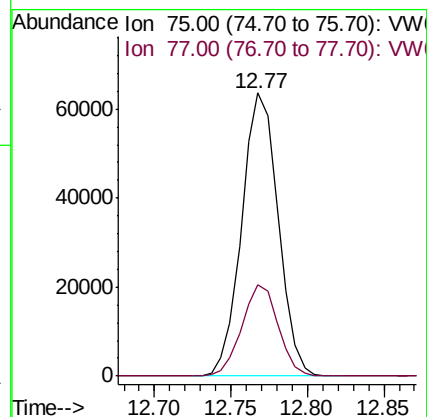
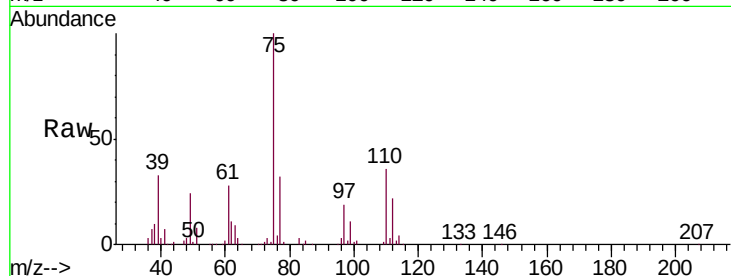
VSTD02514

Tgt Ion: 75 Resp: 105170

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0



#62

Bromoform

Concen: 27.847 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

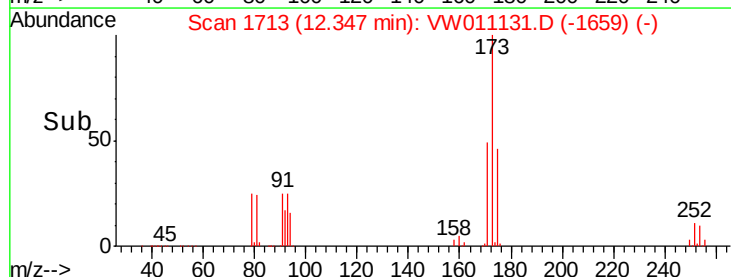
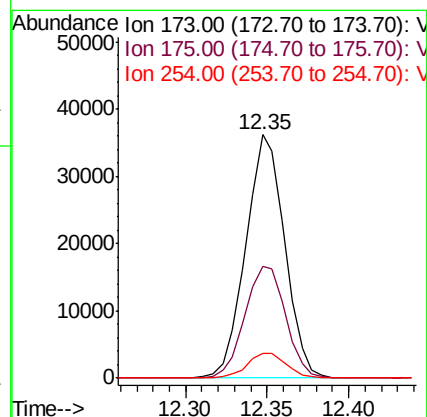
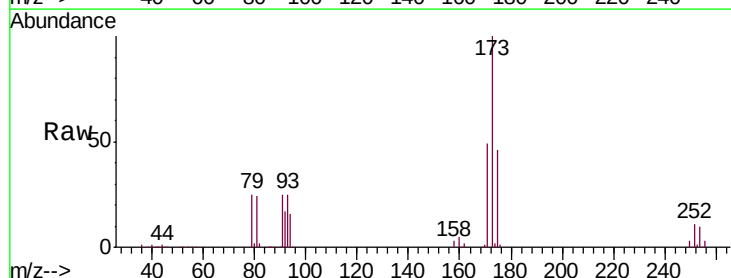
Tgt Ion: 173 Resp: 60083

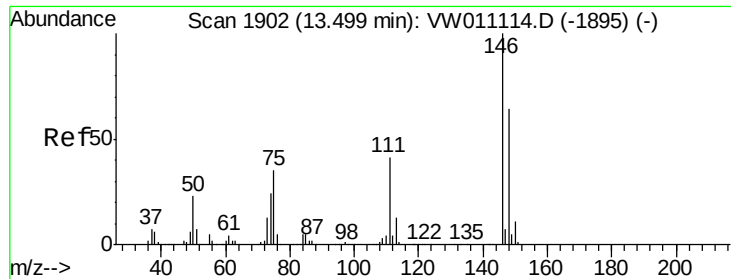
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.6

254 10.3 8.5 12.7

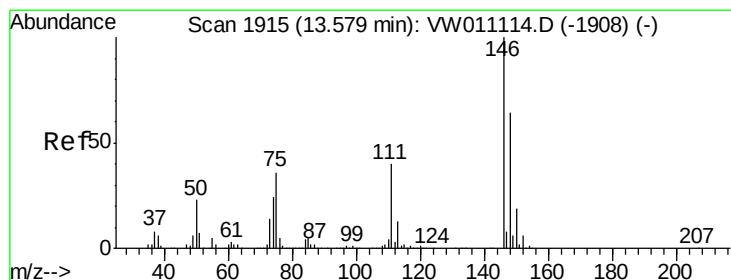
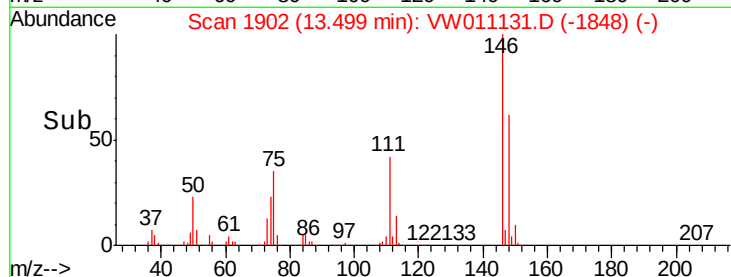
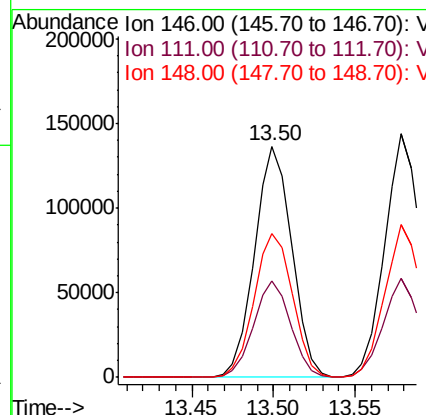
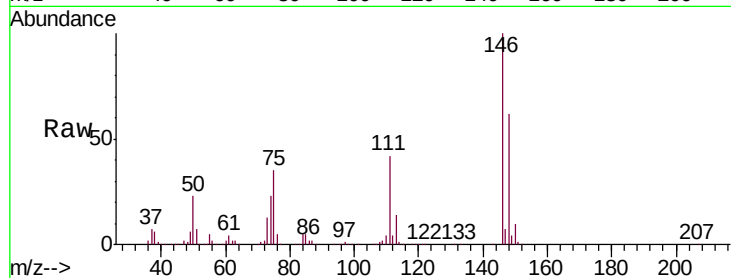




#63
 1,3-Dichlorobenzene
 Concen: 24.402 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

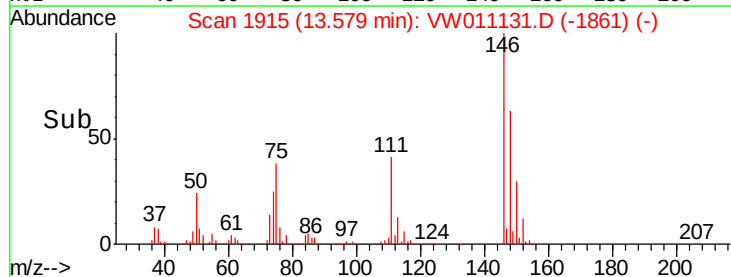
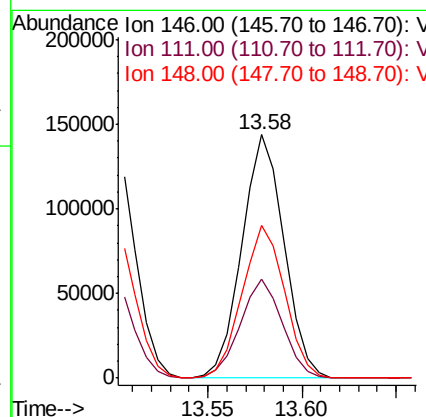
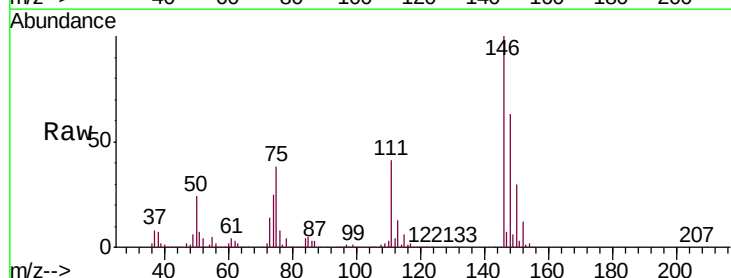
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

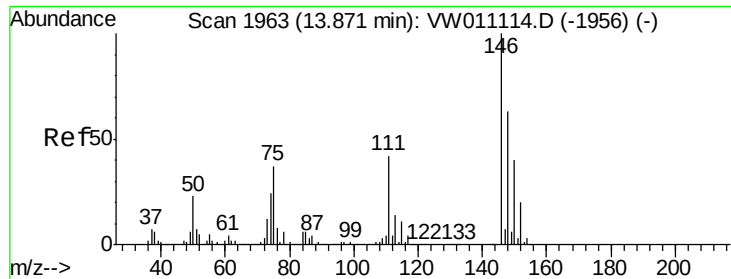
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.0	53.8
148	62.1	44.4	82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.469 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.5	51.1
148	62.9	43.8	81.3

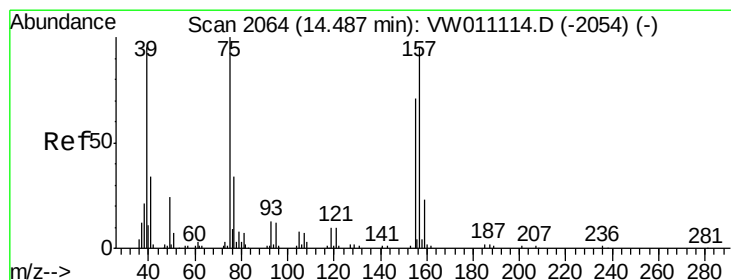
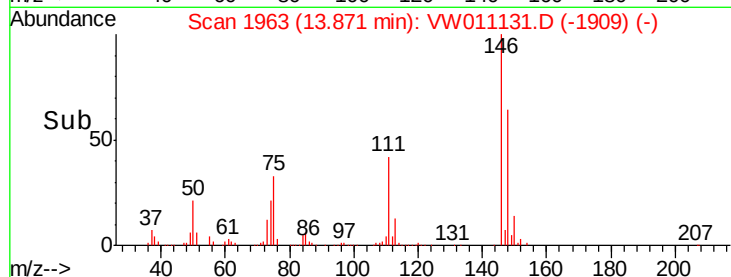
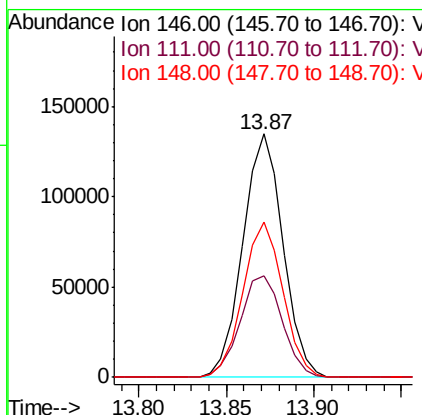
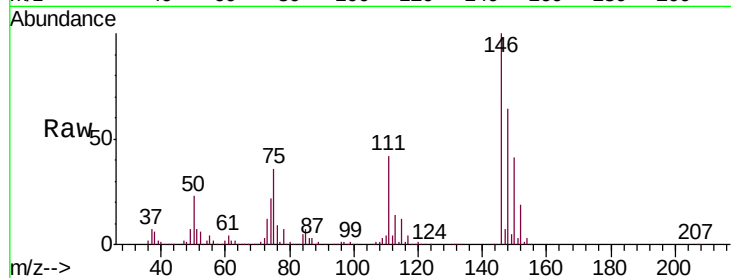




#65
 1,2-Dichlorobenzene
 Concen: 26.101 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

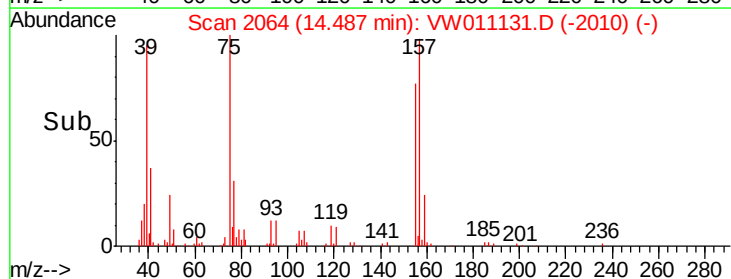
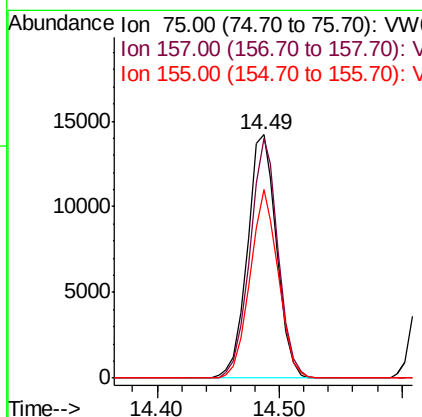
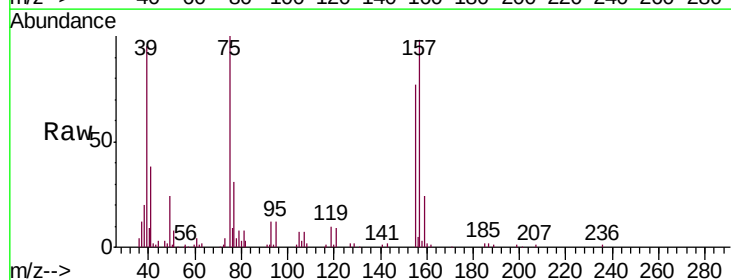
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

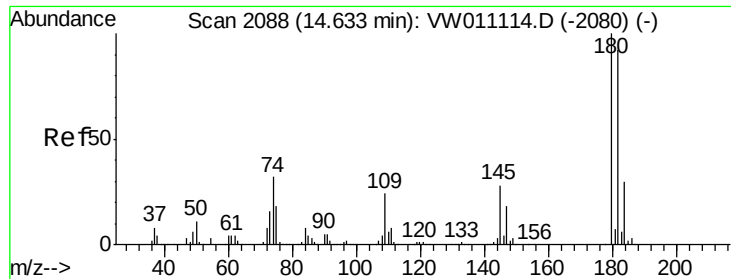
Tgt Ion: 146 Resp: 216398
 Ion Ratio Lower Upper
 146 100
 111 41.9 34.1 51.1
 148 63.8 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.826 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

Tgt Ion: 75 Resp: 23464
 Ion Ratio Lower Upper
 75 100
 157 98.3 75.3 112.9
 155 77.5 60.2 90.2

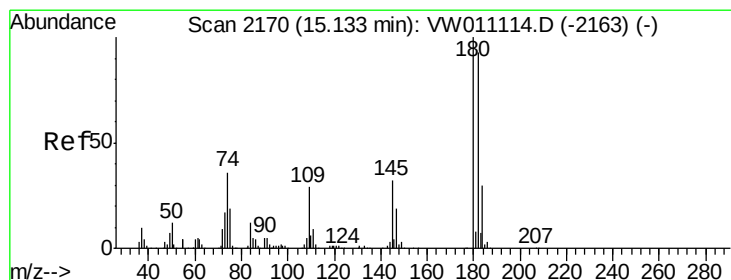
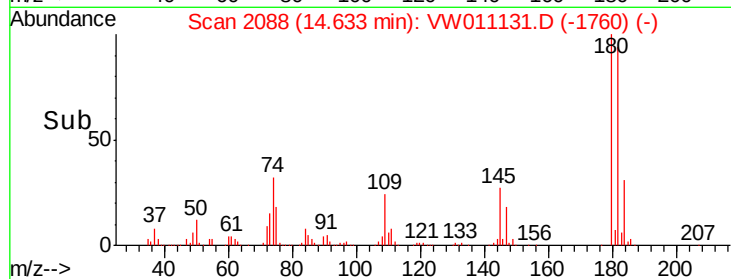
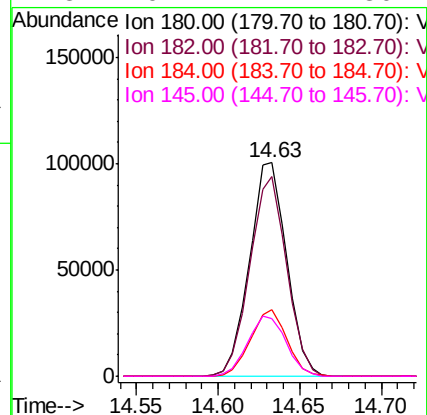
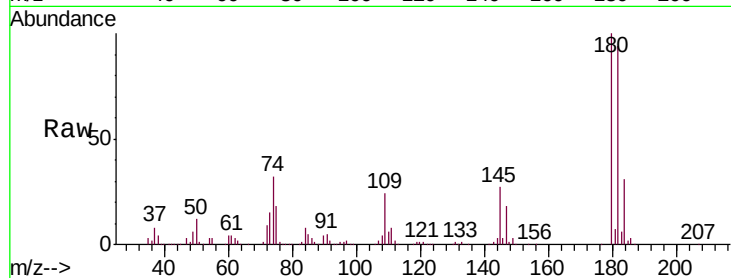




#67
 1,3,5-Trichlorobenzene
 Concen: 23.627 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

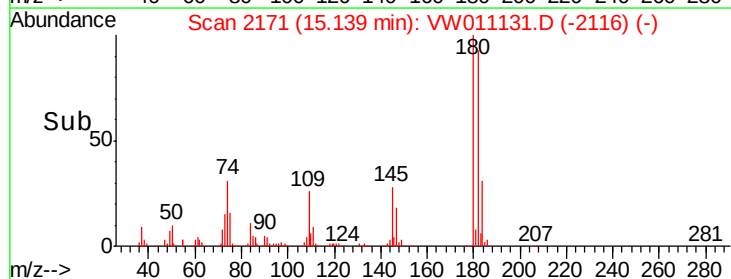
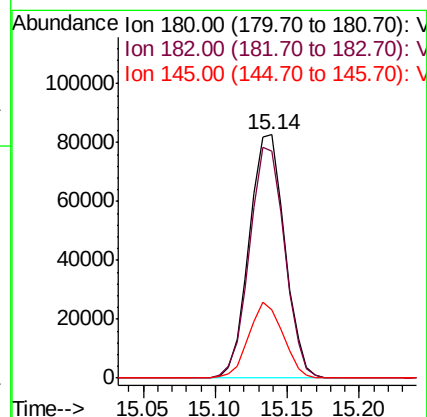
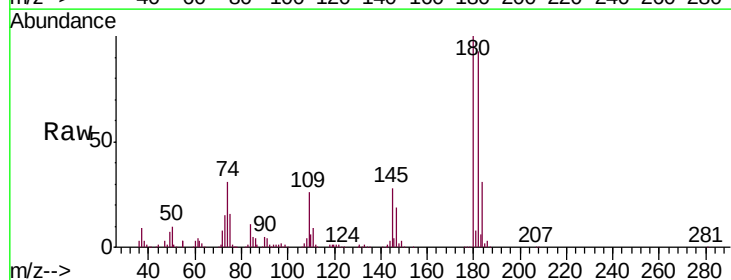
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

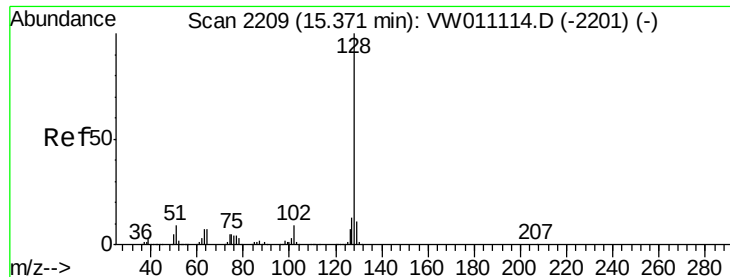
Tgt Ion:	180	Resp:	159443
Ion	Ratio	Lower	Upper
180	100		
182	92.7	77.0	115.4
184	30.3	24.3	36.5
145	29.1	24.2	36.2



#68
 1,2,4-trichlorobenzene
 Concen: 24.914 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011131.D
 Acq: 03 Jul 2019 03:04

Tgt Ion:	180	Resp:	140851
Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.0	115.6
145	29.8	24.5	36.7





#69

Naphthalene

Concen: 29.777 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

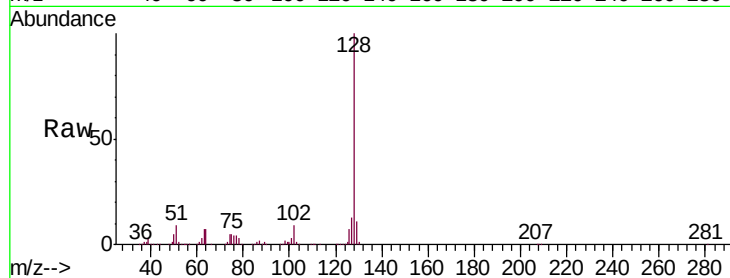
Tgt Ion:128 Resp: 352571

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

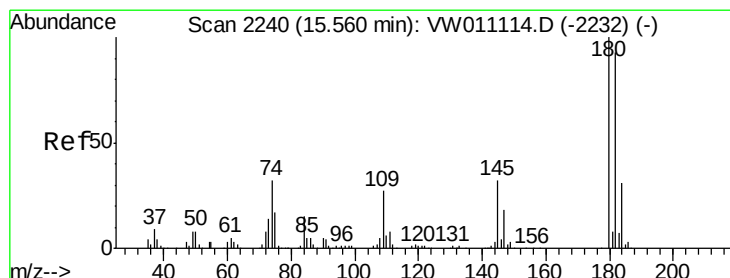
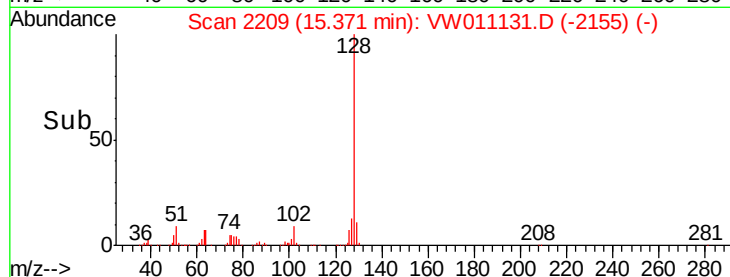
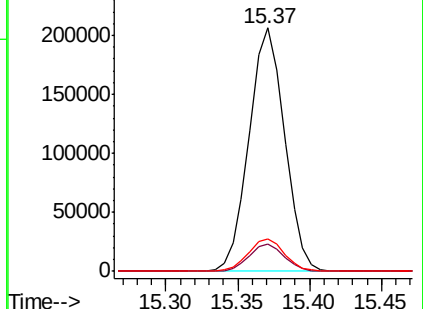
127 13.4 10.6 15.8



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: 26.544 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011131.D

Acq: 03 Jul 2019 03:04

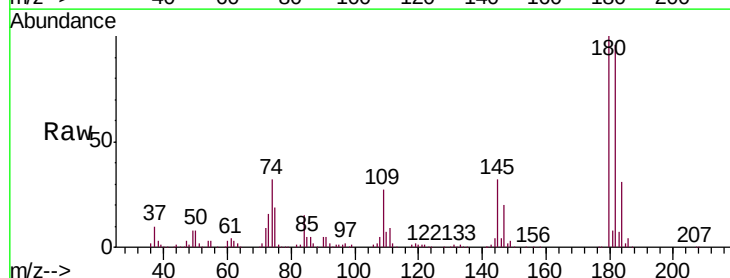
Tgt Ion:180 Resp: 137307

Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

145 32.1 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

