

Data File : VW009201.D
Acq On : 15 Mar 2019 17:48
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Quant Time: Mar 15 23:29:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 23:26:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	479613	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	448851	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	234801	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	157398	27.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.84%
7) Chloroethane-d5	2.89	69	150020	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
10) 1,1-Dichloroethene-d2	4.02	63	326207	26.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.32%
20) 2-Butanone-d5	7.07	46	89848	37.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.82%
24) Chloroform-d	7.64	84	325371	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	8.30	65	184472	23.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.60%
29) Benzene-d6	8.27	84	620873	25.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.32%
33) 1,2-Dichloropropane-d6	9.27	67	180237	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.96%
37) Toluene-d8	10.32	98	578438	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.08%
38) trans-1,3-Dichloropropene-	10.57	79	87773	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.04%
39) 2-Hexanone-d5	10.93	63	73777	40.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	162989	22.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	214039	23.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	180833	28.621 ug/L	92
3) Chloromethane	2.22	50	188515	28.123 ug/L	98
5) Vinyl chloride	2.37	62	220625	31.976 ug/L	99
6) Bromomethane	2.78	94	156552	27.083 ug/L	98
8) Chloroethane	2.93	64	147226	25.791 ug/L	96
9) Trichlorofluoromethane	3.26	101	125096	22.953 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	171166	27.195 ug/L	98
12) 1,1-Dichloroethene	4.04	96	176239	29.841 ug/L	82
13) Acetone	4.12	43	86538	44.521 ug/L	98
14) Carbon disulfide	4.38	76	506946	31.893 ug/L	100
15) Methyl Acetate	4.67	43	82153	21.514 ug/L	95
16) Methylene chloride	4.92	84	168399	24.077 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	192578	23.045 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	174383	28.083 ug/L	99
19) 1,1-Dichloroethane	6.21	63	312700	27.619 ug/L	97
21) 2-Butanone	7.17	43	124642	46.442 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	185929	27.641 ug/L	98

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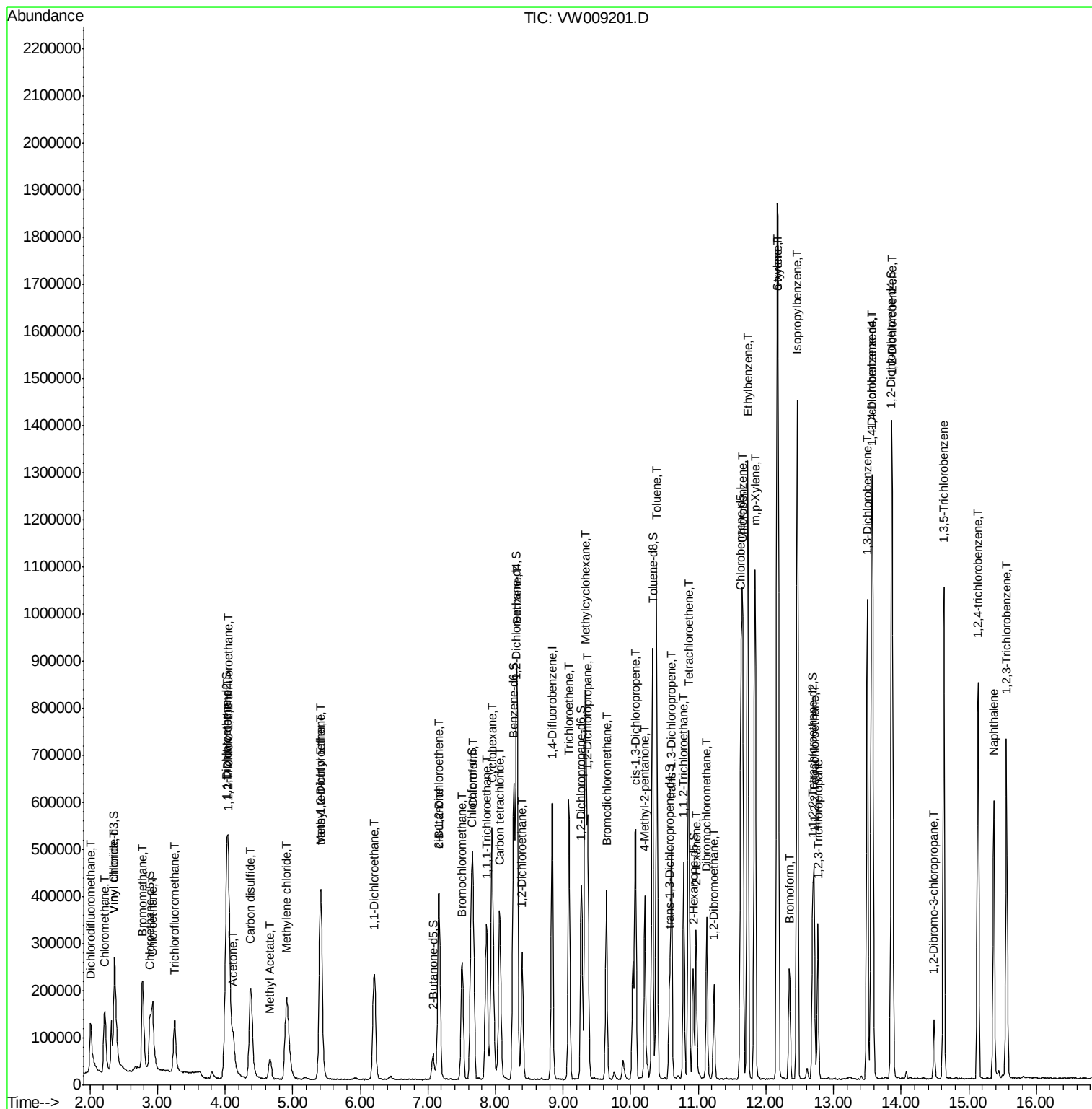
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86699	26.873	ug/L	99
25) Chloroform	7.67	83	331144	27.929	ug/L	99
27) 1,2-Dichloroethane	8.40	62	231643	26.204	ug/L	99
30) Cyclohexane	7.95	56	294586	28.898	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	248974	27.773	ug/L	99
32) Carbon tetrachloride	8.06	117	270920	29.953	ug/L	99
34) Benzene	8.32	78	715672	29.131	ug/L	100
35) Trichloroethene	9.09	95	187271	28.607	ug/L	99
36) Methylcyclohexane	9.33	83	331665	29.284	ug/L	99
40) 1,2-Dichloropropane	9.37	63	172341	27.337	ug/L	100
41) Bromodichloromethane	9.64	83	243641	27.892	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	280243	27.293	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	255043	44.646	ug/L	99
44) Toluene	10.38	91	775659	28.877	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	238131	26.660	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	131717	26.189	ug/L	99
47) Tetrachloroethene	10.86	164	159576	28.850	ug/L	97
49) 2-Hexanone	10.97	43	192899	47.944	ug/L	98
50) Dibromochloromethane	11.13	129	166864	26.876	ug/L	95
51) 1,2-Dibromoethane	11.23	107	128887	25.279	ug/L	95
52) Chlorobenzene	11.66	112	490851	28.491	ug/L	100
53) Ethylbenzene	11.73	91	879475	29.122	ug/L	97
54) m,p-Xylene	11.84	106	334143	29.124	ug/L	97
55) o-xylene	12.16	106	319583	28.552	ug/L	99
56) Styrene	12.18	104	550294	28.815	ug/L	99
57) Isopropylbenzene	12.46	105	881109	29.386	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	169127	24.926	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	122265	24.281	ug/L	98
62) Bromoform	12.35	173	100536	25.341	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	390053	27.873	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	404956	27.990	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	364623	27.322	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	28925	22.115	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	307358	28.159	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	254688	27.779	ug/L	99
69) Naphthalene	15.37	128	483350	25.428	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	232995	27.133	ug/L	100

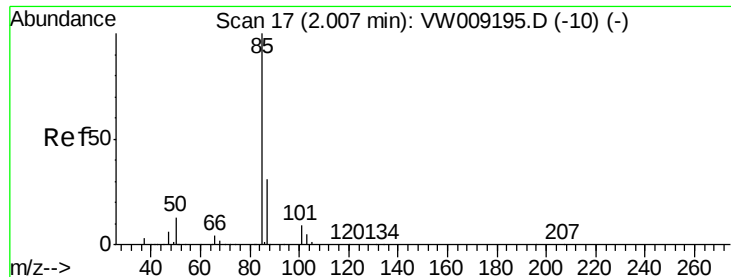
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.621 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

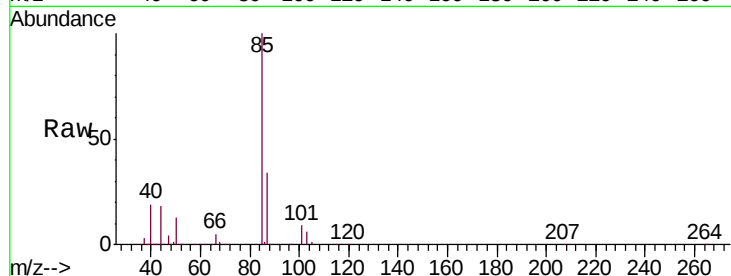
VSTD02510

Tgt Ion: 85 Resp: 180833

Ion Ratio Lower Upper

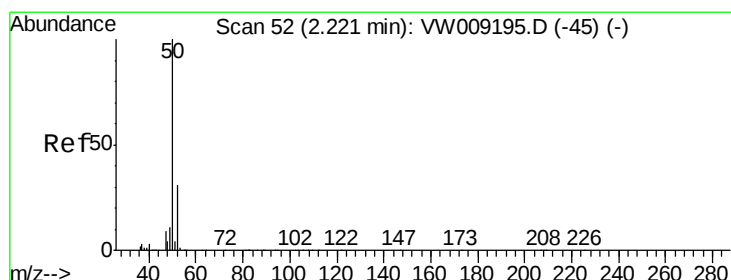
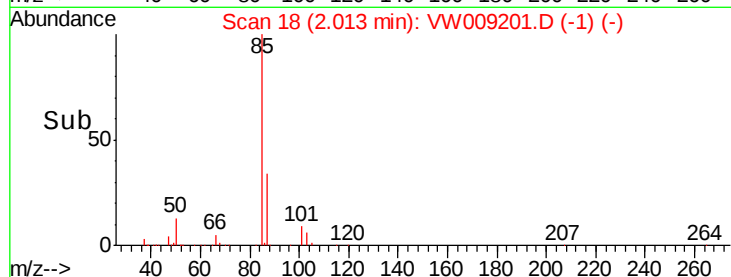
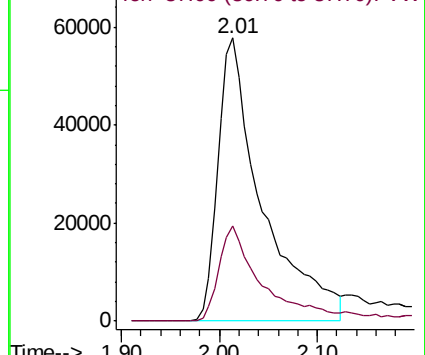
85 100

87 32.2 19.5 36.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 28.123 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW009201.D

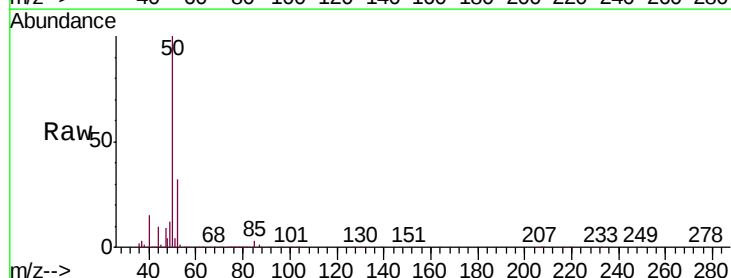
Acq: 15 Mar 2019 17:48

Tgt Ion: 50 Resp: 188515

Ion Ratio Lower Upper

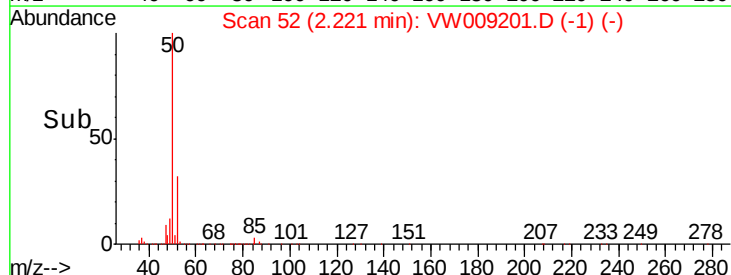
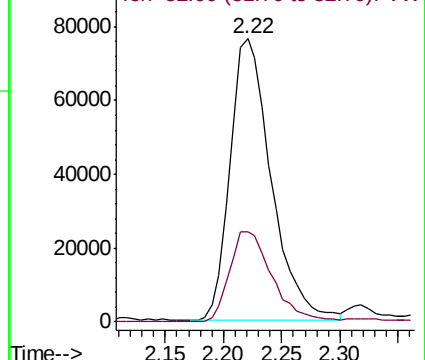
50 100

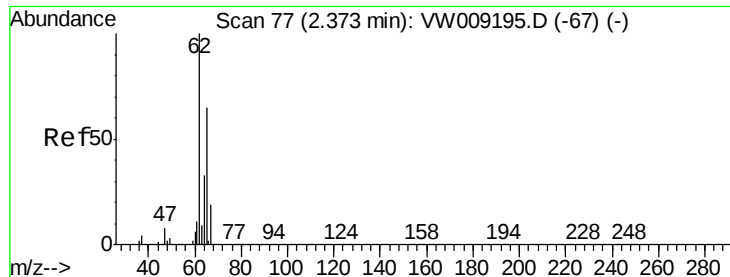
52 31.9 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 31.976 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009201.D

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Instrument :

MSVOA_W

ClientSampleId :

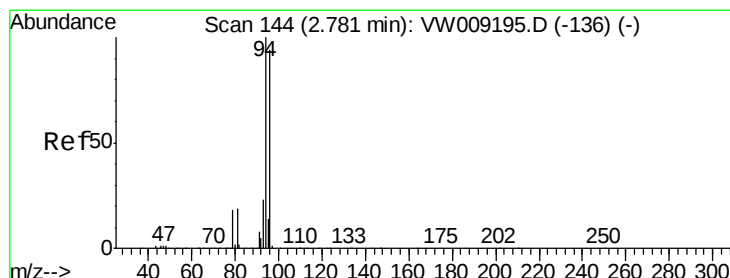
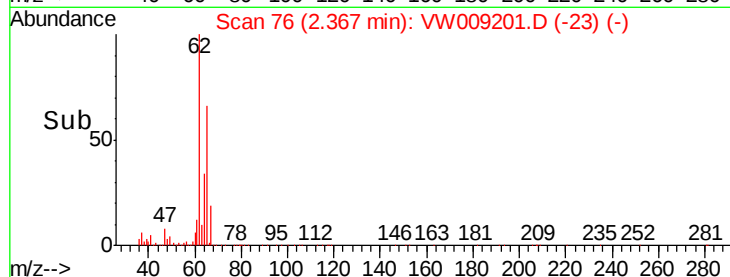
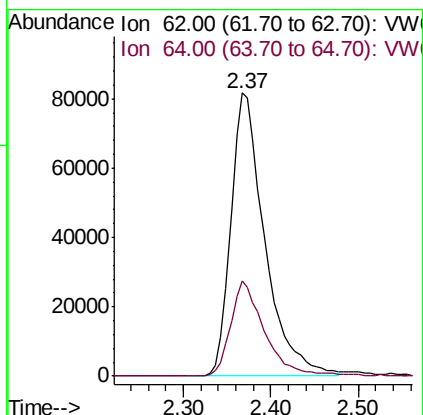
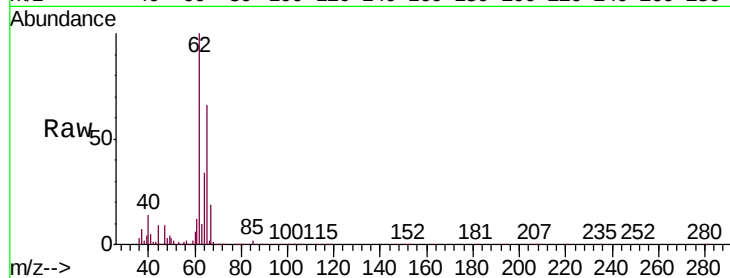
VSTD02510

Tgt Ion: 62 Resp: 220625

Ion Ratio Lower Upper

62 100

64 33.5 23.0 42.6



#6

Bromomethane

Concen: 27.083 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW009201.D

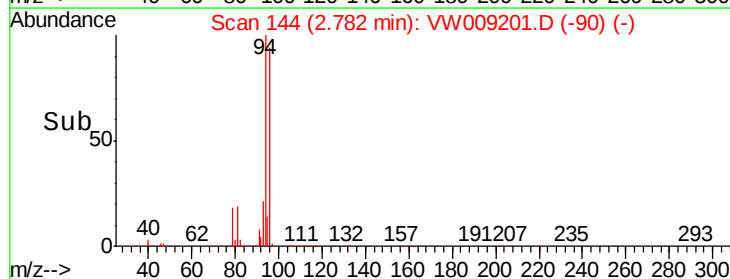
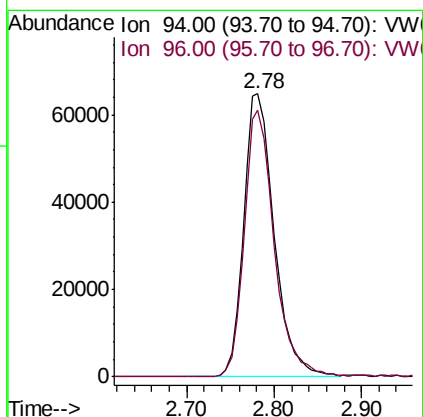
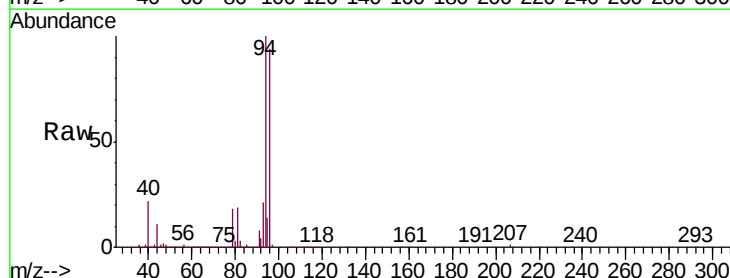
Acq: 15 Mar 2019 17:48

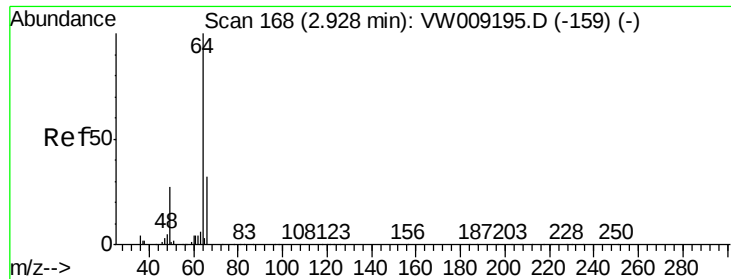
Tgt Ion: 94 Resp: 156552

Ion Ratio Lower Upper

94 100

96 92.0 9.4 178.4





#8

Chloroethane

Concen: 25.791 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

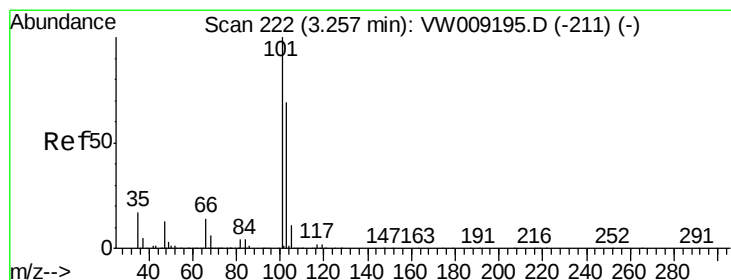
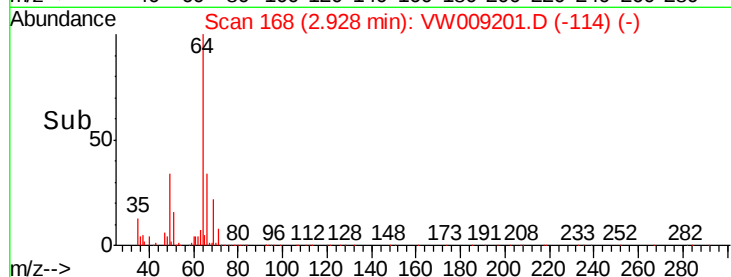
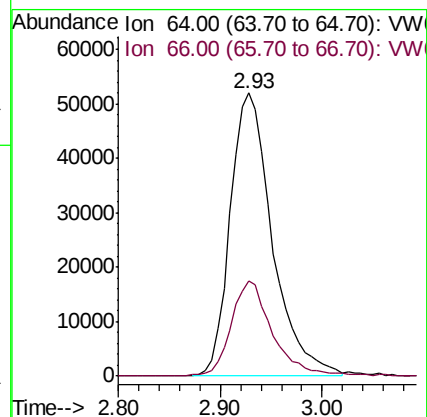
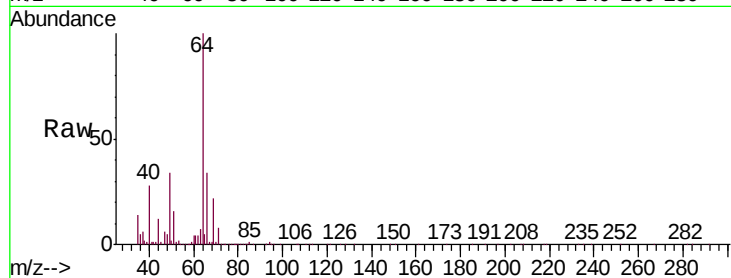
VSTD02510

Tgt Ion: 64 Resp: 147226

Ion Ratio Lower Upper

64 100

66 33.8 25.1 46.7



#9

Trichlorofluoromethane

Concen: 22.953 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW009201.D

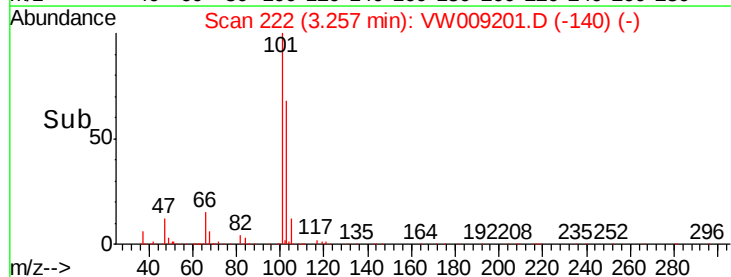
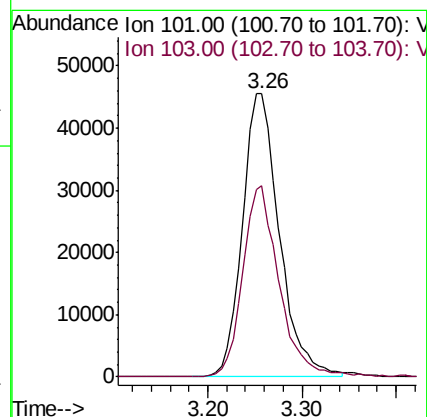
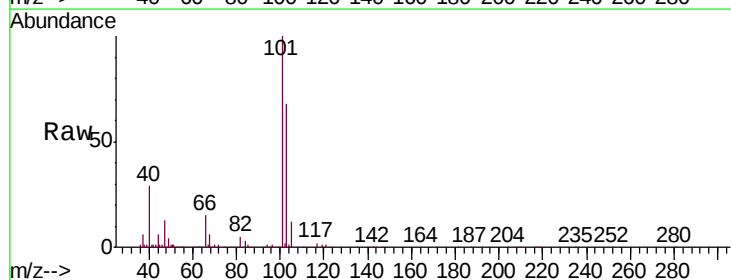
Acq: 15 Mar 2019 17:48

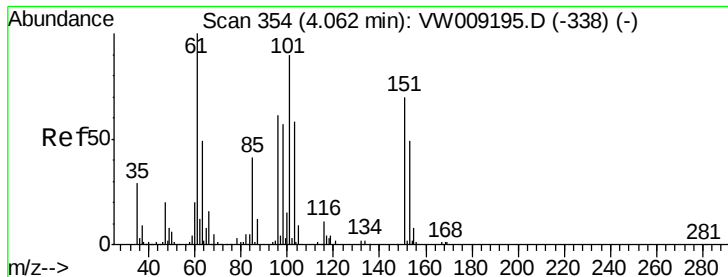
Tgt Ion: 101 Resp: 125096

Ion Ratio Lower Upper

101 100

103 65.9 45.0 83.6





#11

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

Concen: 27.195 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

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ClientSampleId :

VSTD02510

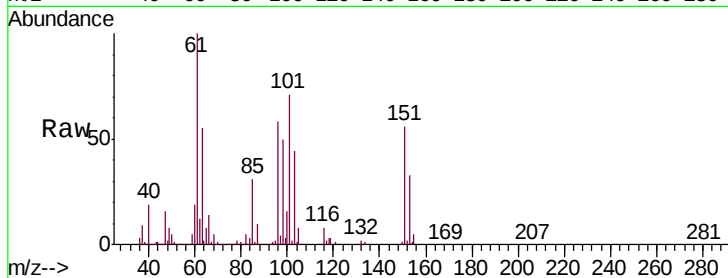
Tgt Ion:101 Resp: 171166

Ion Ratio Lower Upper

101 100

85 43.4 32.6 48.8

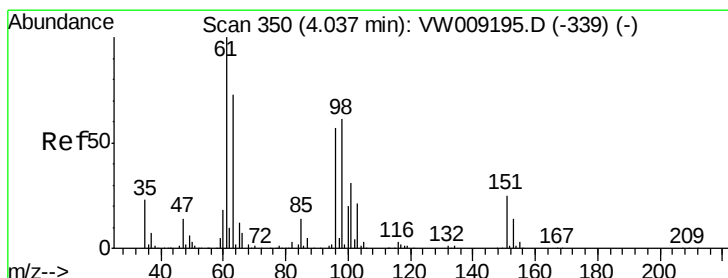
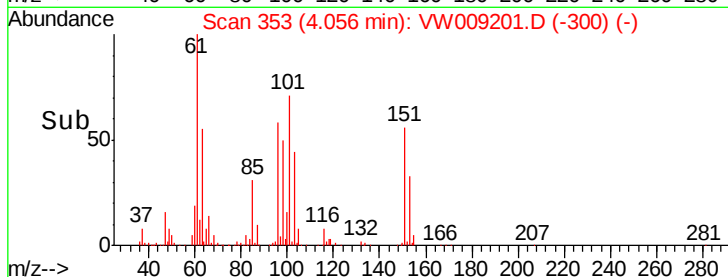
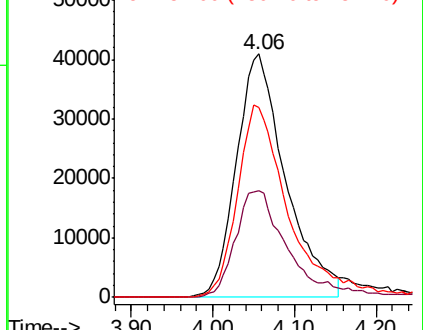
151 78.6 63.3 94.9



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: 29.841 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

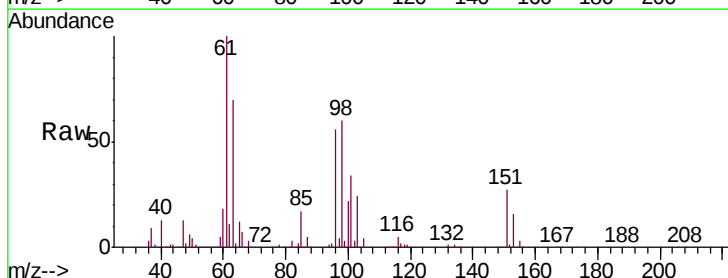
Tgt Ion: 96 Resp: 176239

Ion Ratio Lower Upper

96 100

61 177.3 129.4 240.2

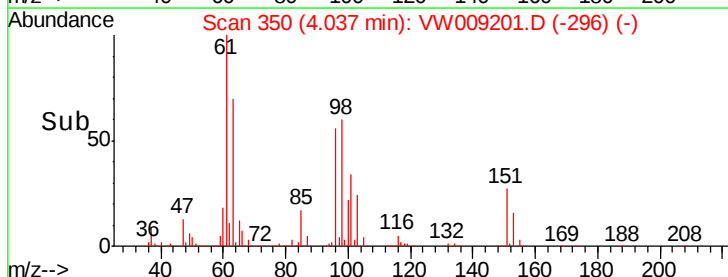
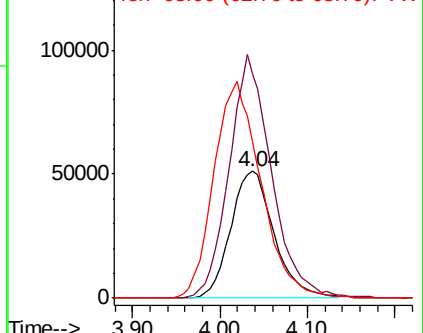
63 124.0 116.8 217.0

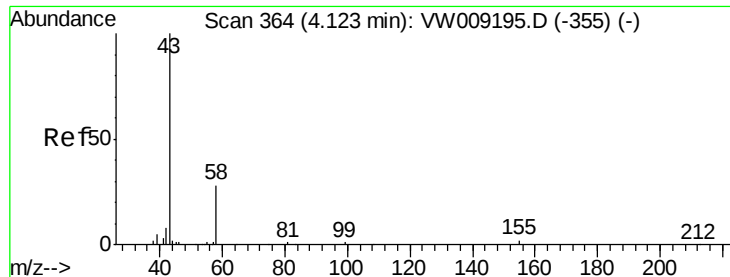


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.521 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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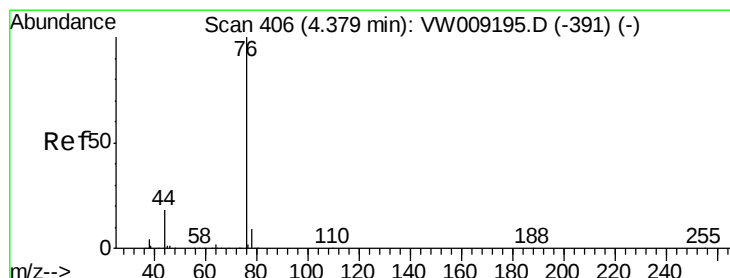
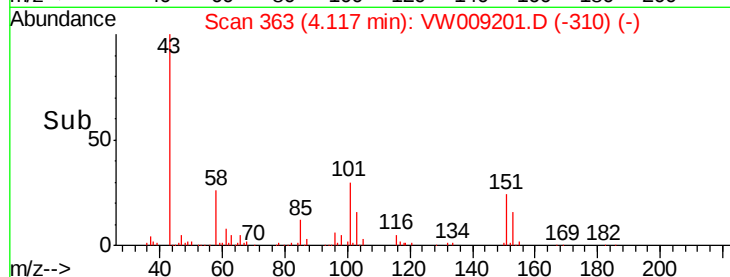
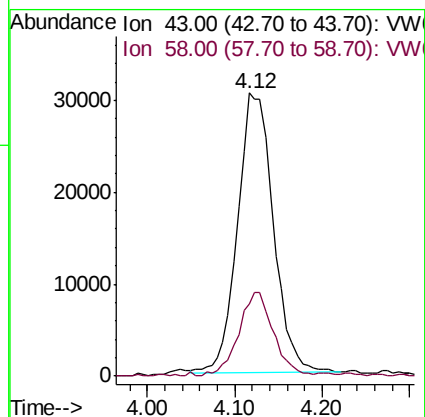
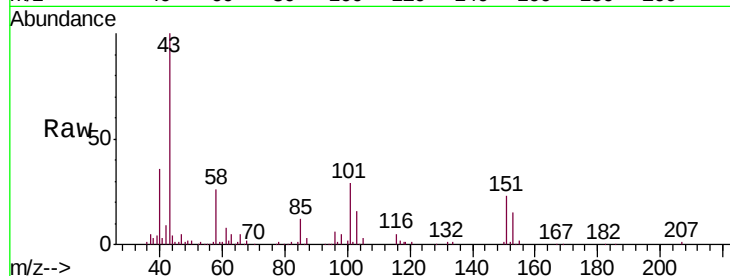
VSTD02510

Tgt Ion: 43 Resp: 86538

Ion Ratio Lower Upper

43 100

58 29.2 0.0 56.2



#14

Carbon disulfide

Concen: 31.893 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009201.D

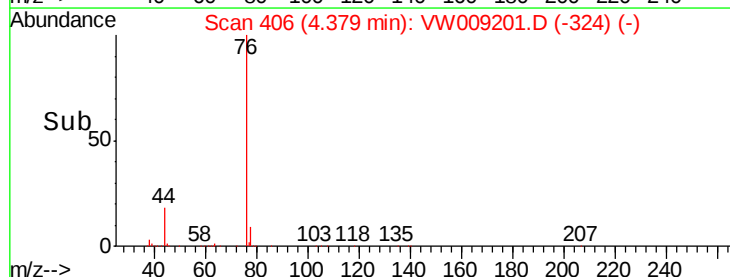
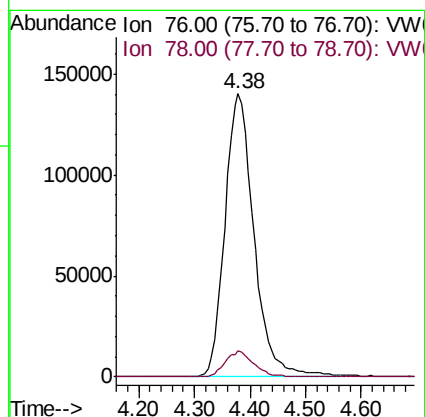
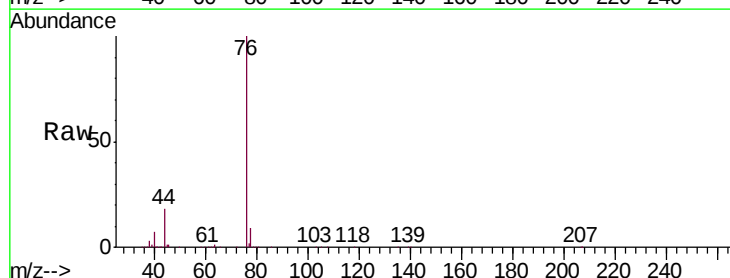
Acq: 15 Mar 2019 17:48

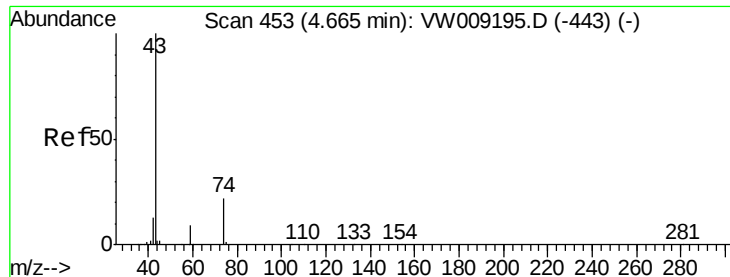
Tgt Ion: 76 Resp: 506946

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

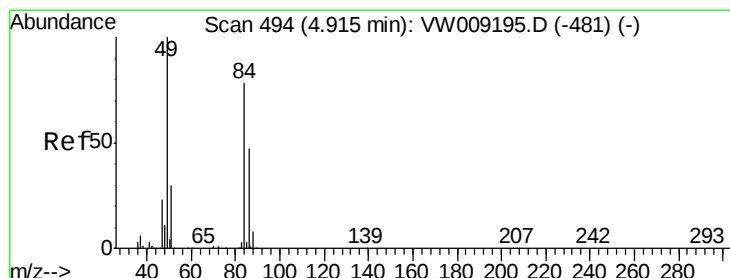
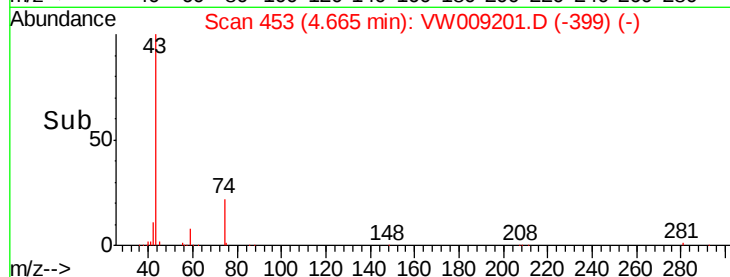
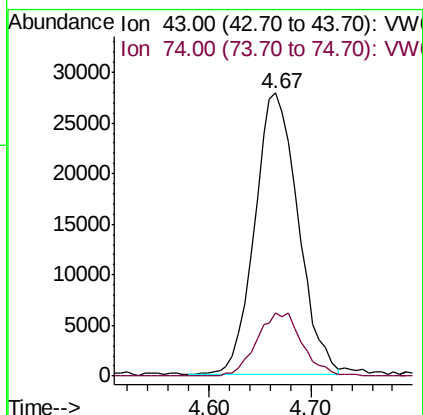
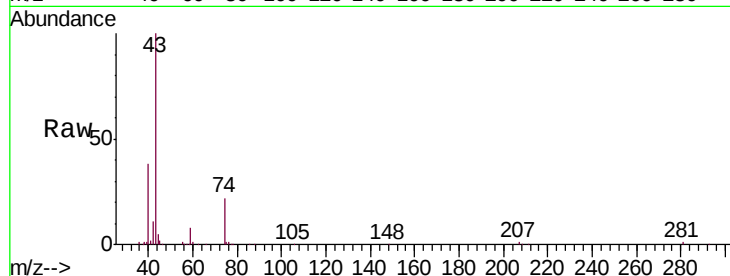




#15
Methyl Acetate
Concen: 21.514 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009201.D
Acq: 15 Mar 2019 17:48

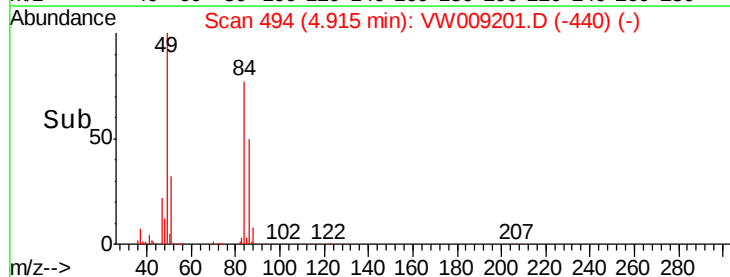
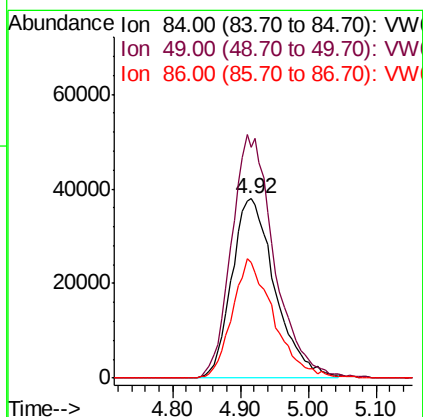
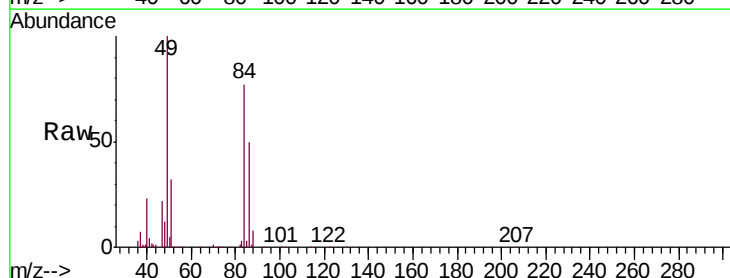
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

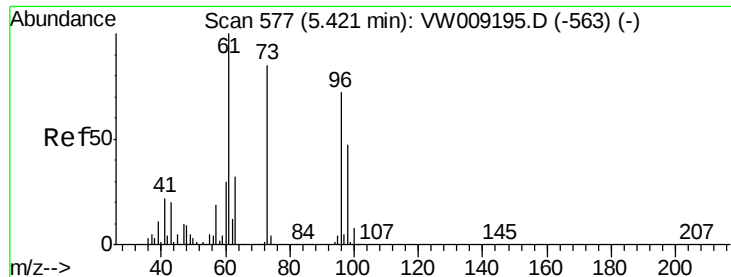
Tgt Ion: 43 Resp: 82153
Ion Ratio Lower Upper
43 100
74 23.5 16.7 25.1



#16
Methylene chloride
Concen: 24.077 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009201.D
Acq: 15 Mar 2019 17:48

Tgt Ion: 84 Resp: 168399
Ion Ratio Lower Upper
84 100
49 129.0 96.0 178.2
86 64.6 44.4 82.5





#17

Methyl tert-butyl Ether

Concen: 23.045 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

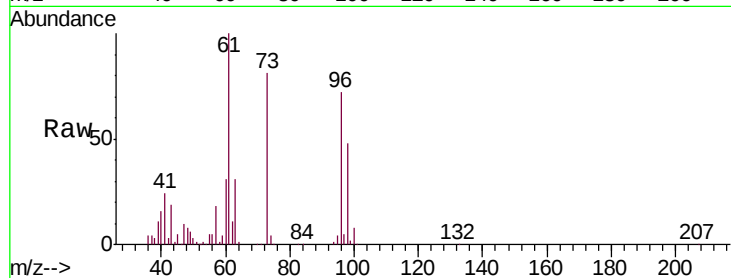
Tgt Ion: 73 Resp: 192578

Ion Ratio Lower Upper

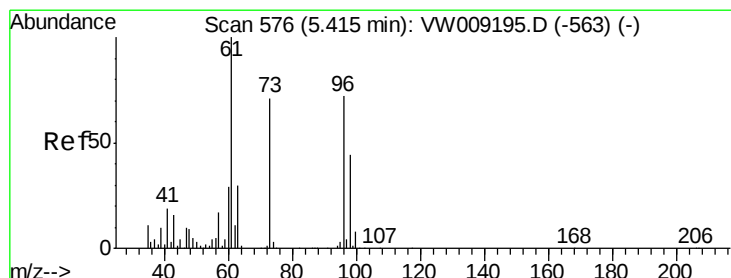
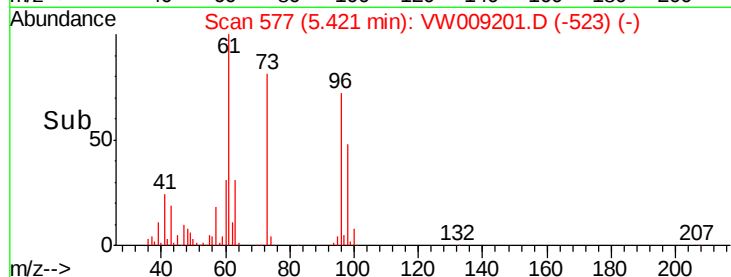
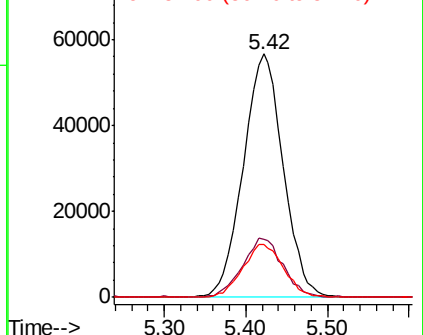
73 100

43 24.5 18.2 27.4

57 22.3 17.8 26.8



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: 28.083 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

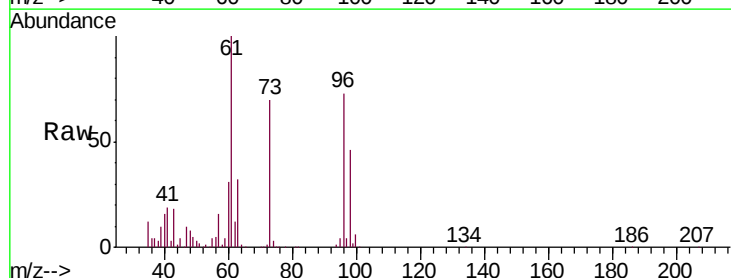
Tgt Ion: 96 Resp: 174383

Ion Ratio Lower Upper

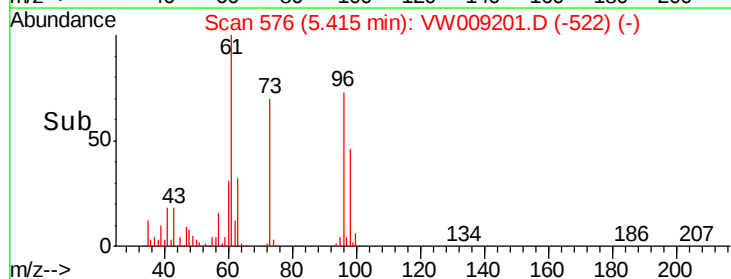
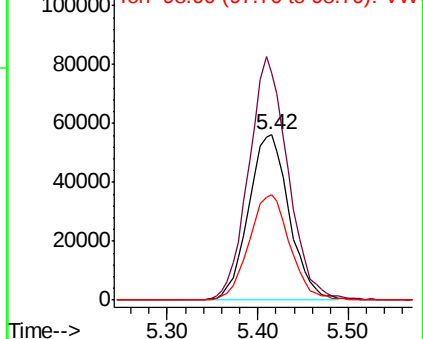
96 100

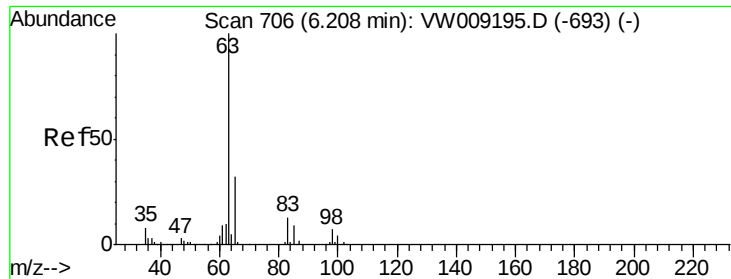
61 137.7 96.7 179.5

98 63.7 43.8 81.4



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

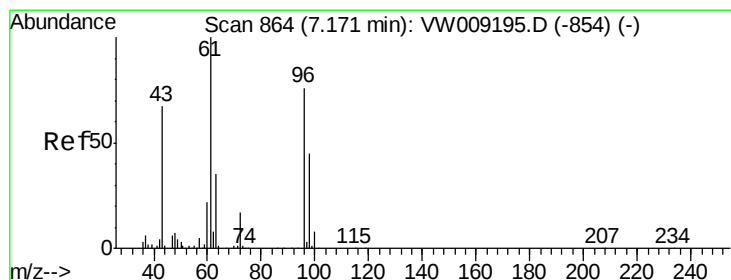
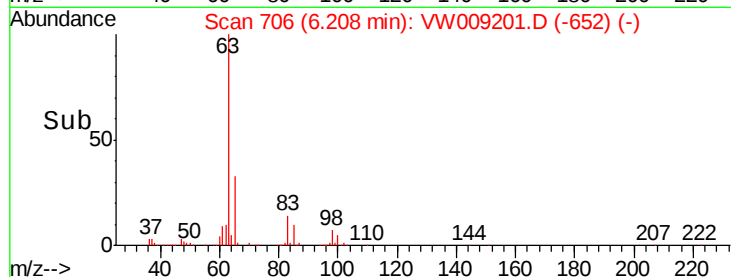
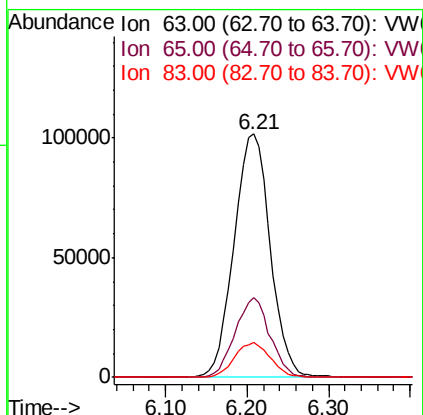
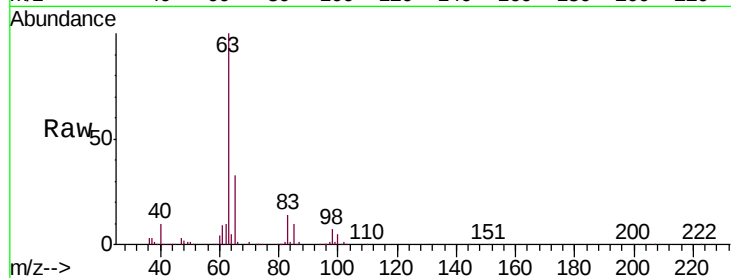




#19
 1,1-Dichloroethane
 Concen: 27.619 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

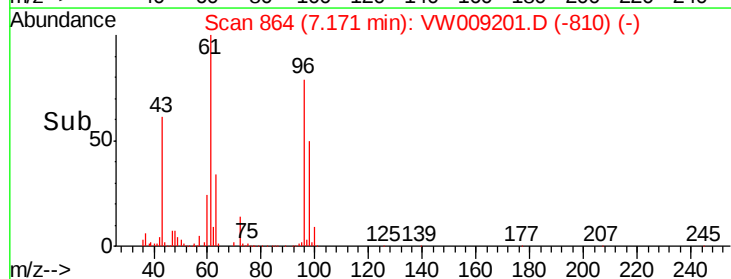
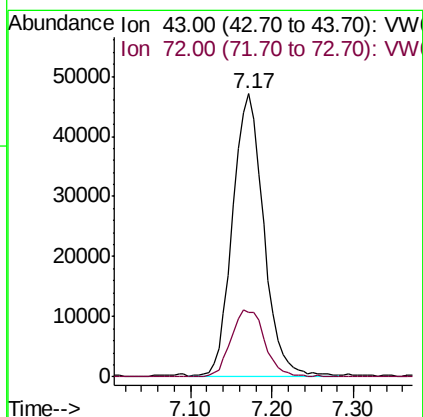
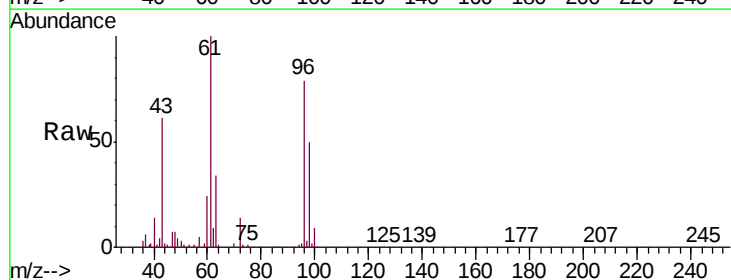
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

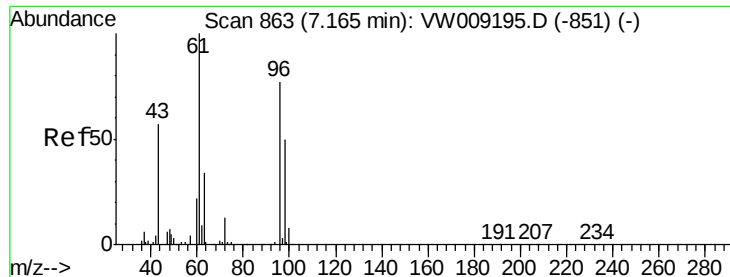
Tgt Ion: 63 Resp: 312700
 Ion Ratio Lower Upper
 63 100
 65 32.9 21.6 40.0
 83 14.3 10.1 18.7



#21
 2-Butanone
 Concen: 46.442 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

Tgt Ion: 43 Resp: 124642
 Ion Ratio Lower Upper
 43 100
 72 25.5 13.1 39.1



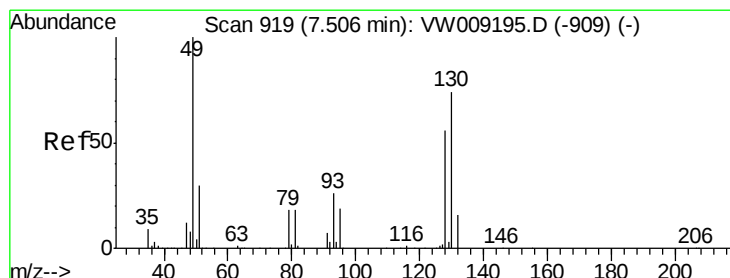
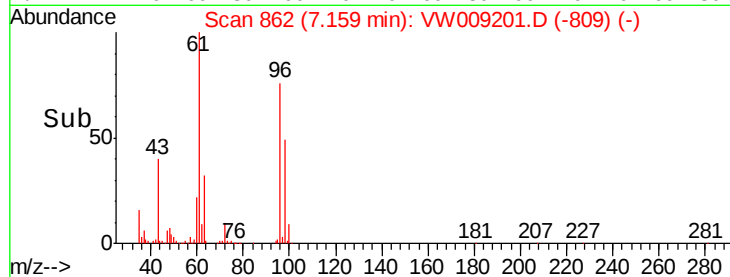
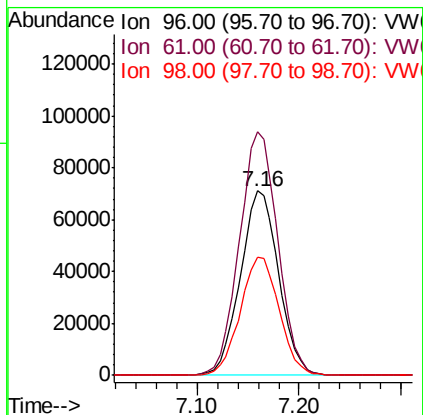
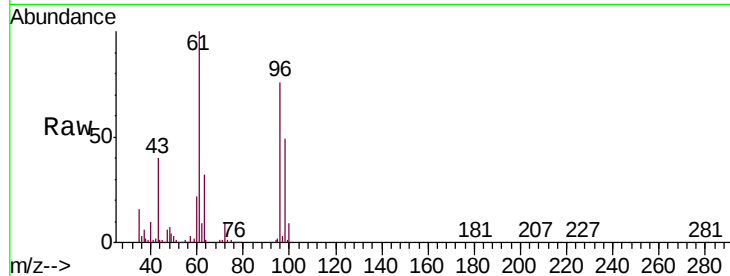


#22

cis-1,2-Dichloroethene
 Concen: 27.641 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

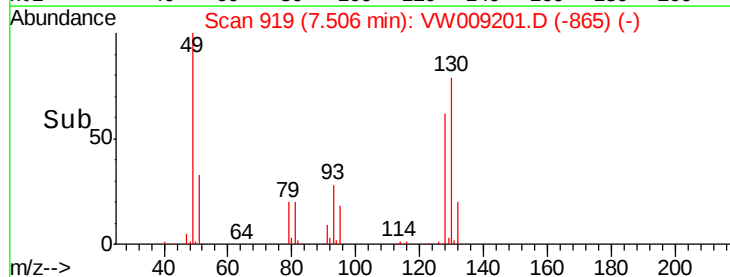
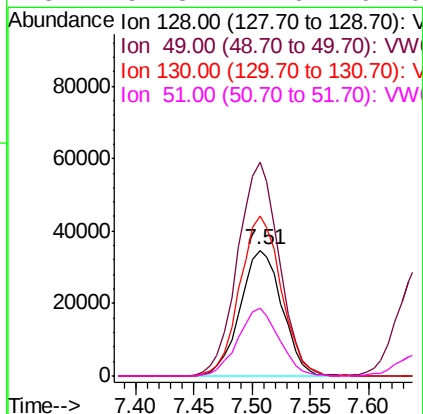
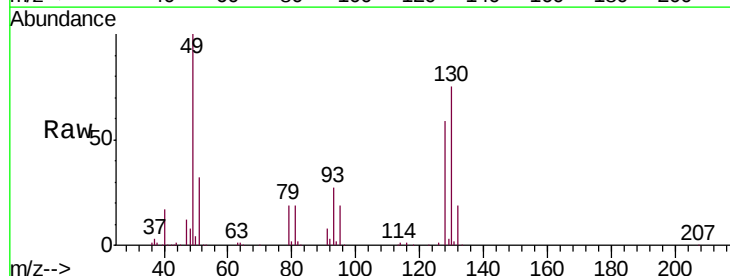
Tgt Ion	Resp	Lower	Upper
96	185929		
61	131.9	90.6	168.3
98	64.1	44.0	81.8

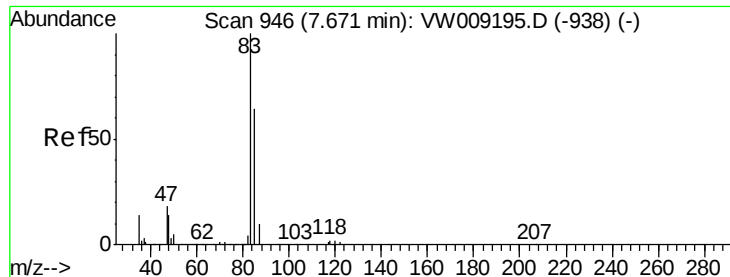


#23

Bromochloromethane
 Concen: 26.873 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

Tgt Ion	Resp	Lower	Upper
128	86699		
49	170.0	118.4	219.8
130	127.3	87.8	163.2
51	54.3	44.6	67.0





#25

Chloroform

Concen: 27.929 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

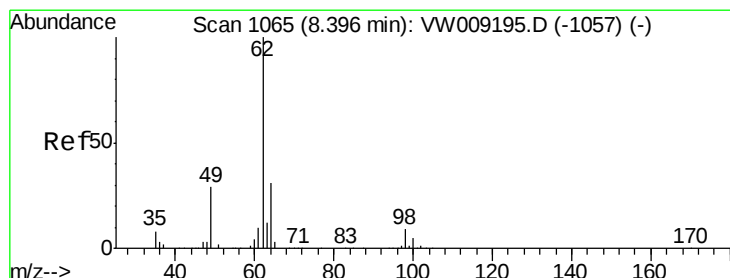
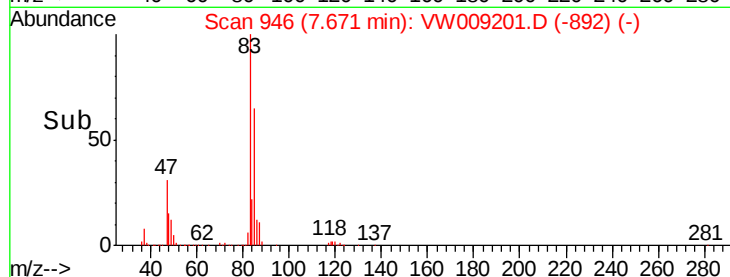
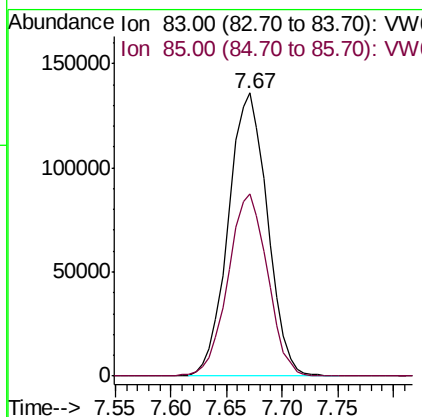
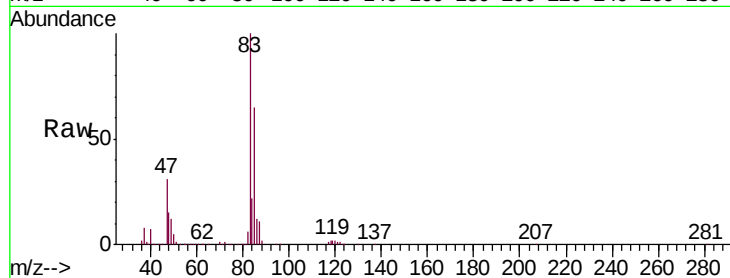
VSTD02510

Tgt Ion: 83 Resp: 331144

Ion Ratio Lower Upper

83 100

85 64.9 46.0 85.4



#27

1,2-Dichloroethane

Concen: 26.204 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009201.D

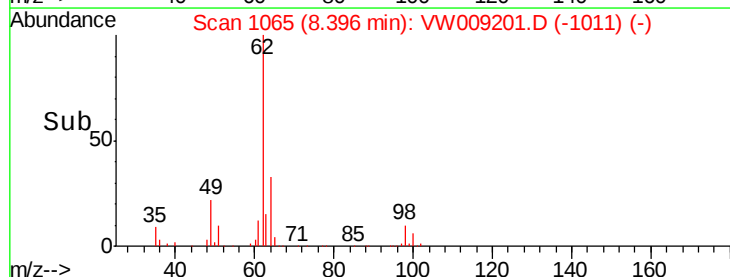
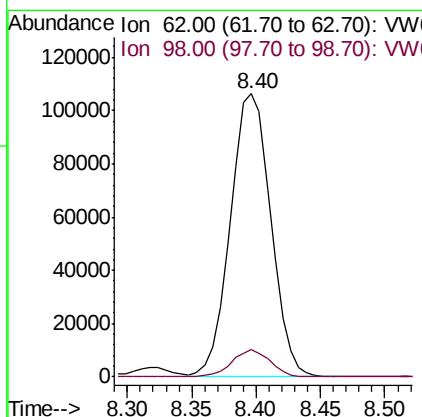
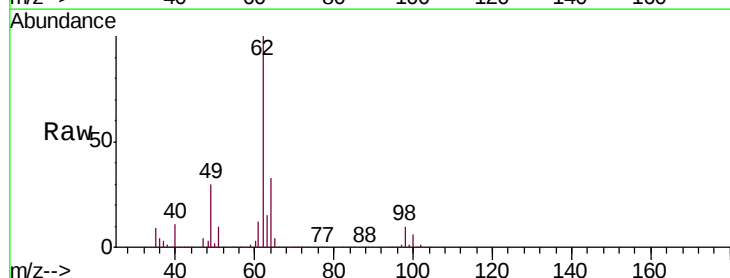
Acq: 15 Mar 2019 17:48

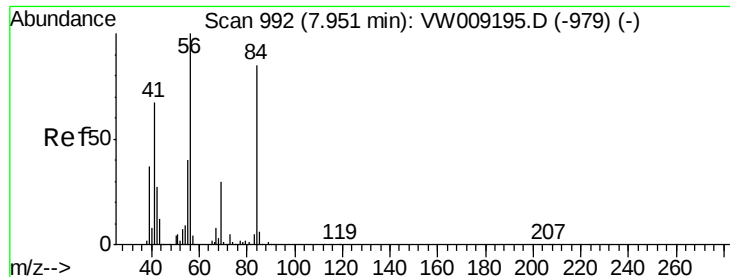
Tgt Ion: 62 Resp: 231643

Ion Ratio Lower Upper

62 100

98 9.5 7.3 10.9

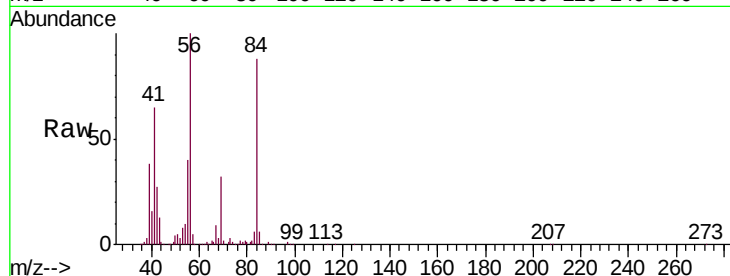




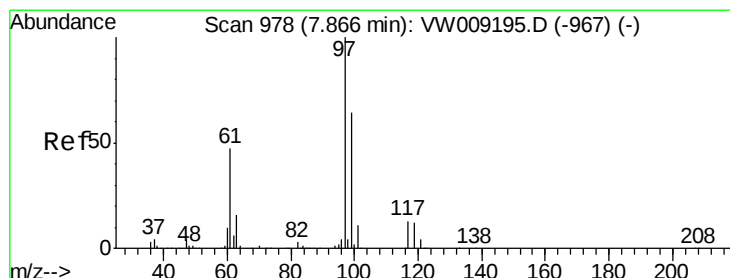
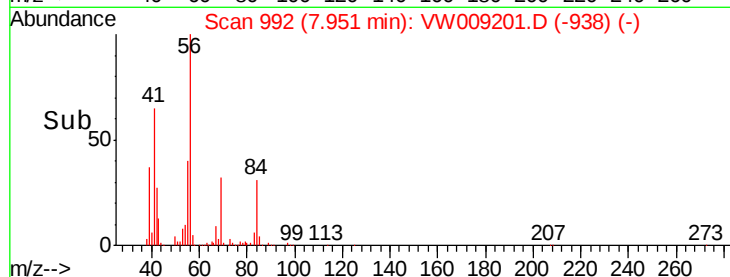
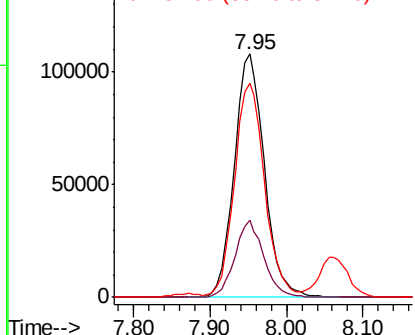
#30
Cyclohexane
Concen: 28.898 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009201.D
Acq: 15 Mar 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Tgt Ion: 56 Resp: 294586
Ion Ratio Lower Upper
56 100
69 30.5 24.0 36.0
84 88.0 69.2 103.8

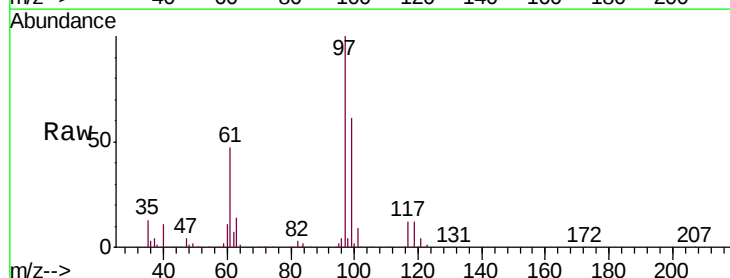


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

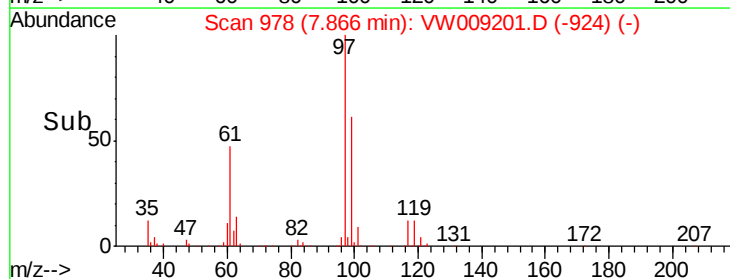
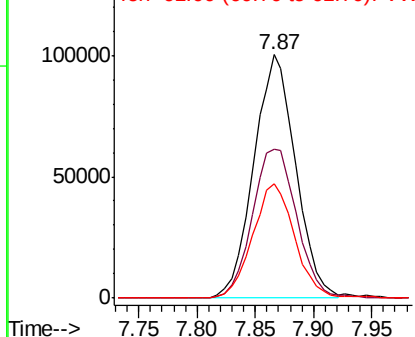


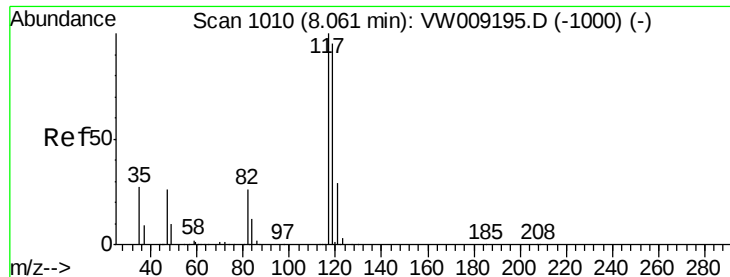
#31
1,1,1-Trichloroethane
Concen: 27.773 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009201.D
Acq: 15 Mar 2019 17:48

Tgt Ion: 97 Resp: 248974
Ion Ratio Lower Upper
97 100
99 65.1 51.2 76.8
61 47.2 38.4 57.6



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: 29.953 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

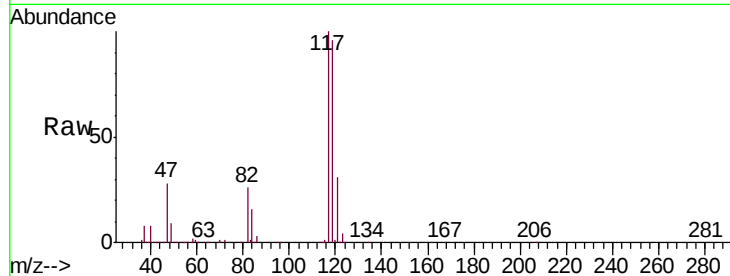
VSTD02510

Tgt Ion:117 Resp: 270920

Ion Ratio Lower Upper

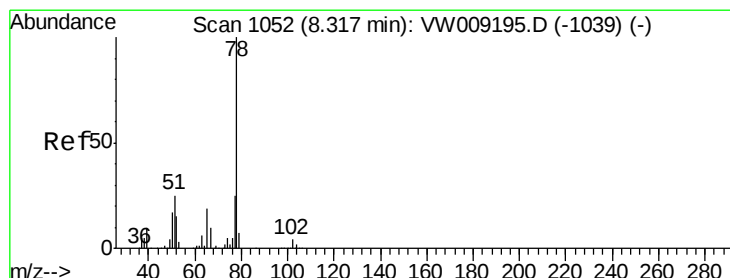
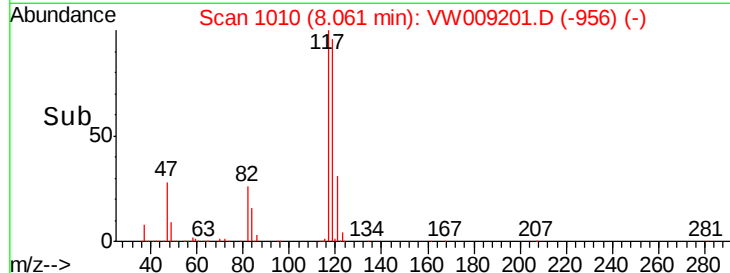
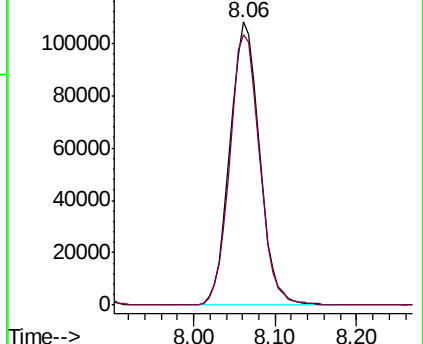
117 100

119 96.4 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 29.131 ug/L

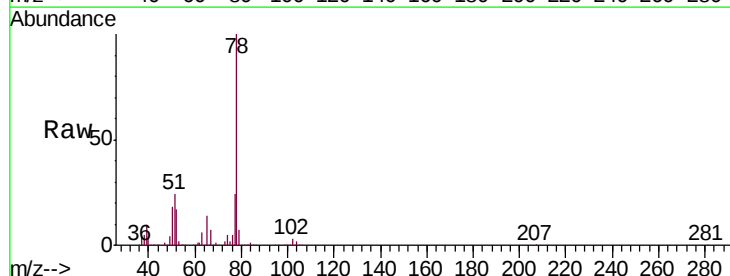
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

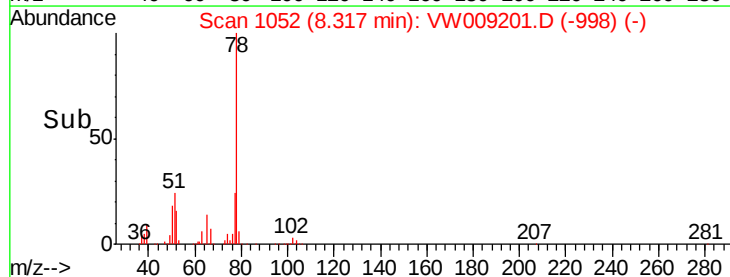
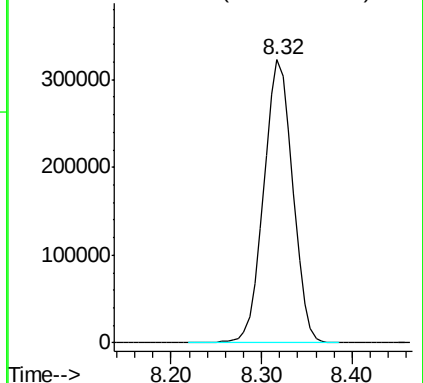
Lab File: VW009201.D

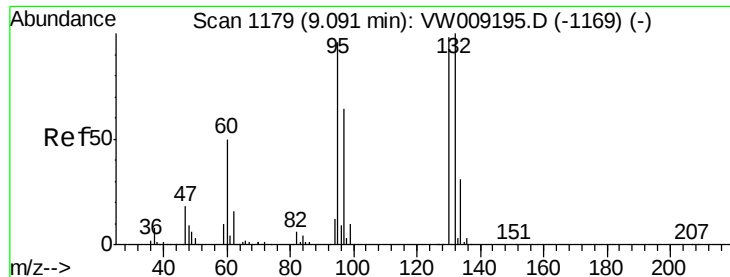
Acq: 15 Mar 2019 17:48

Tgt Ion: 78 Resp: 715672



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 28.607 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion: 95 Resp: 187271

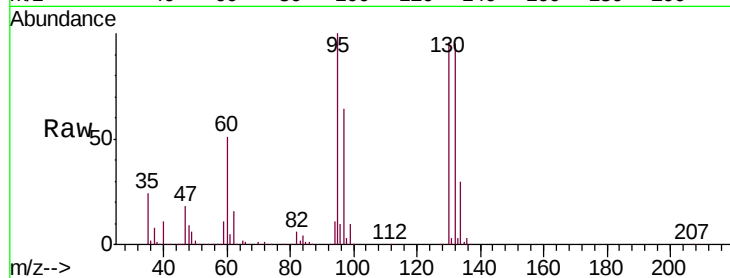
Ion Ratio Lower Upper

95 100

97 64.6 44.7 82.9

132 98.6 69.0 128.2

130 101.8 72.7 134.9

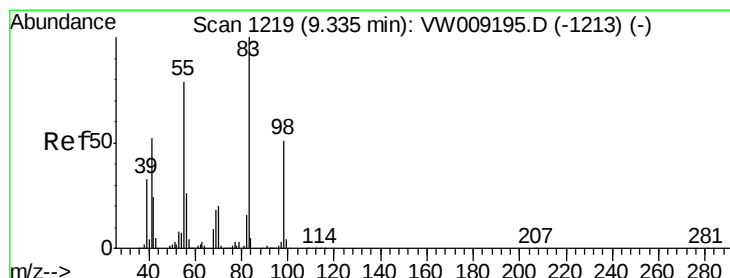
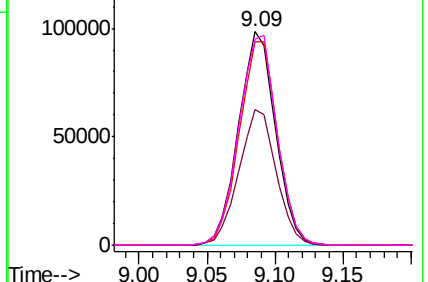
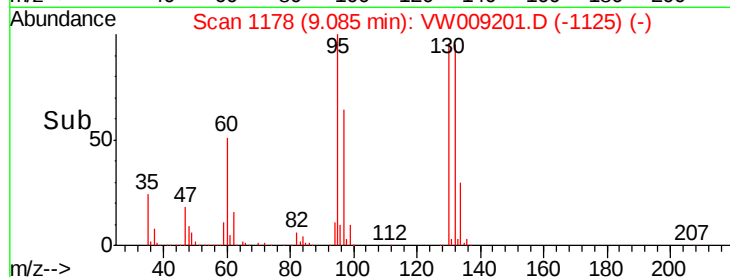


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 29.284 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

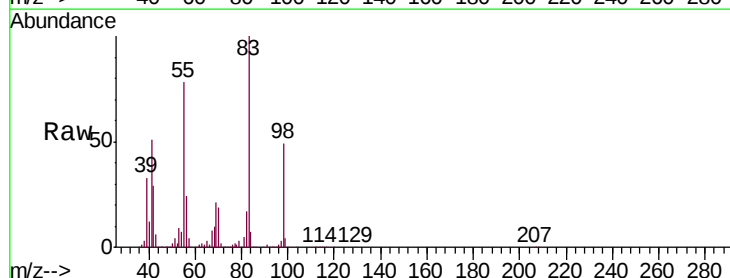
Tgt Ion: 83 Resp: 331665

Ion Ratio Lower Upper

83 100

55 78.6 63.5 95.3

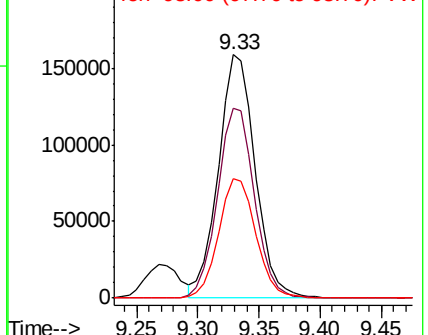
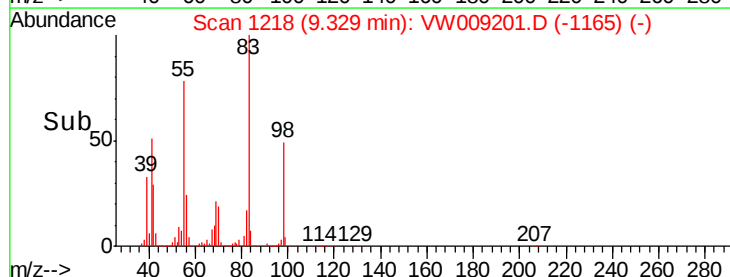
98 49.6 39.8 59.8

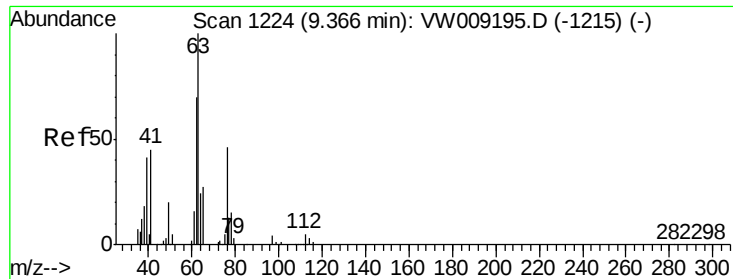


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

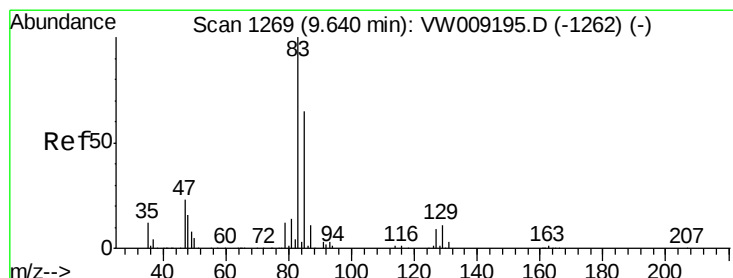
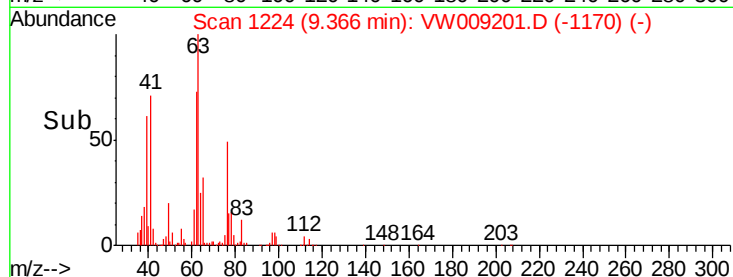
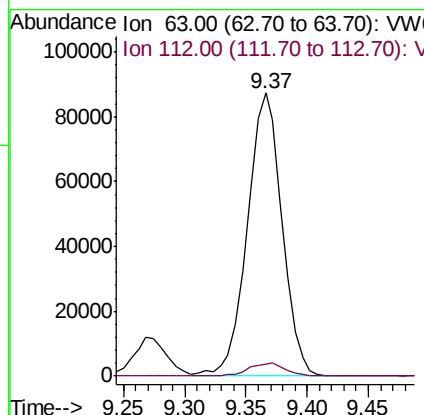
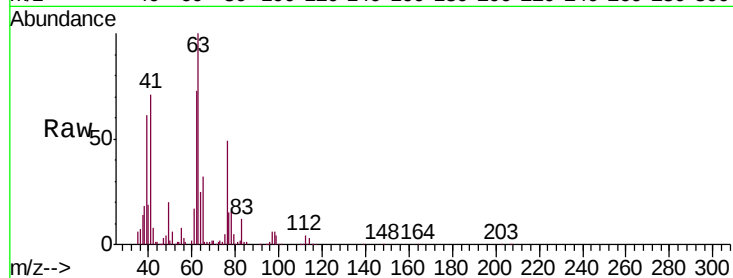




#40
 1,2-Dichloropropane
 Concen: 27.337 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

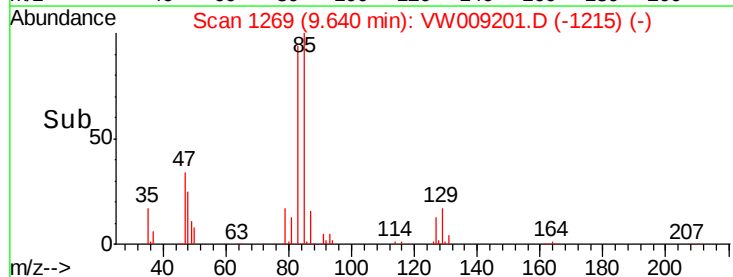
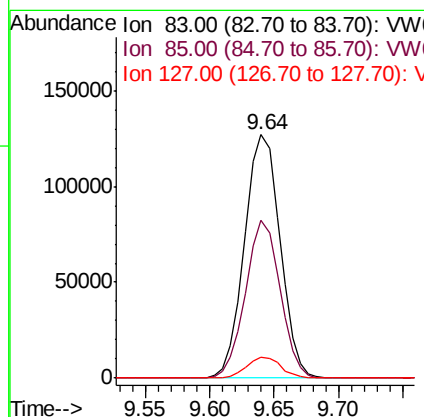
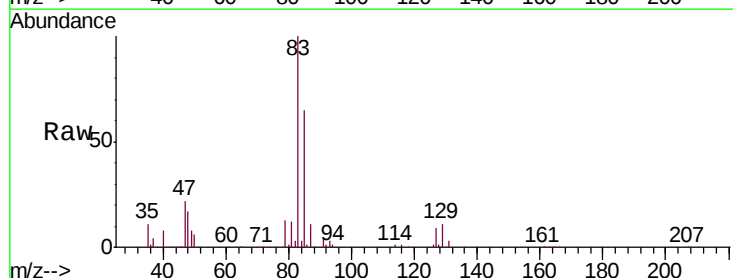
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

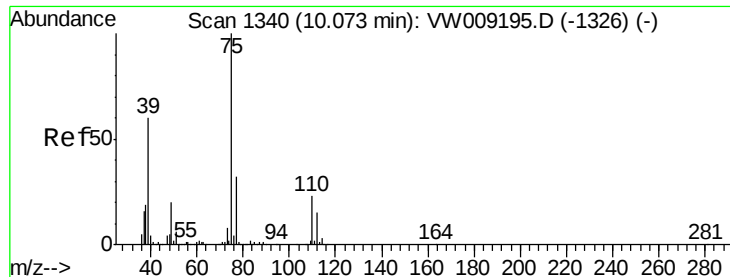
Tgt Ion: 63 Resp: 172341
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.0 6.0



#41
 Bromodichloromethane
 Concen: 27.892 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

Tgt Ion: 83 Resp: 243641
 Ion Ratio Lower Upper
 83 100
 85 65.0 43.5 80.7
 127 8.6 6.2 9.4





#42

cis-1,3-Dichloroprene

Concen: 27.293 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

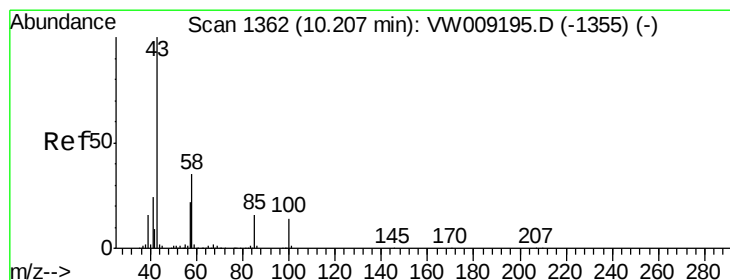
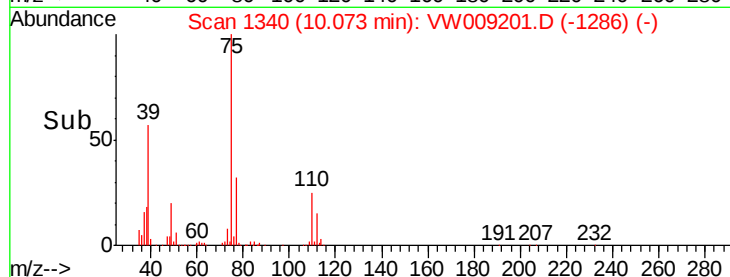
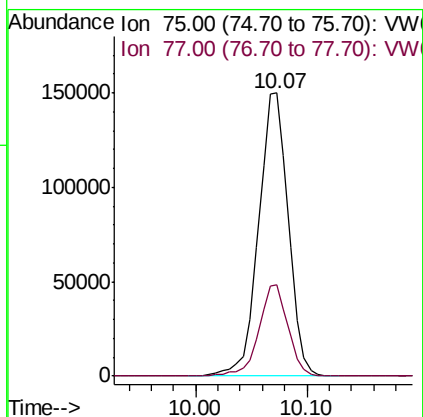
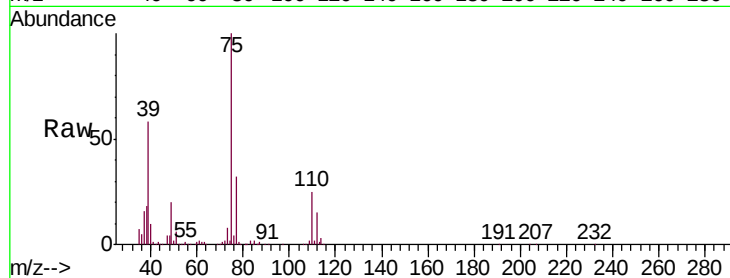
VSTD02510

Tgt Ion: 75 Resp: 280243

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 44.646 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

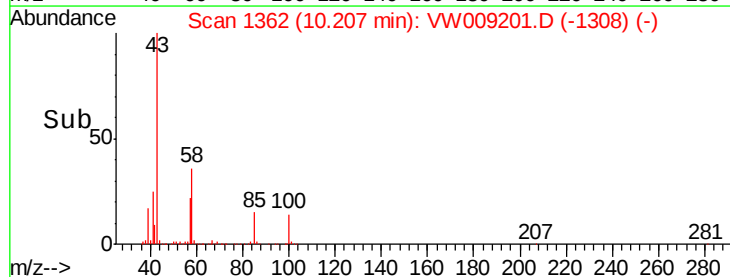
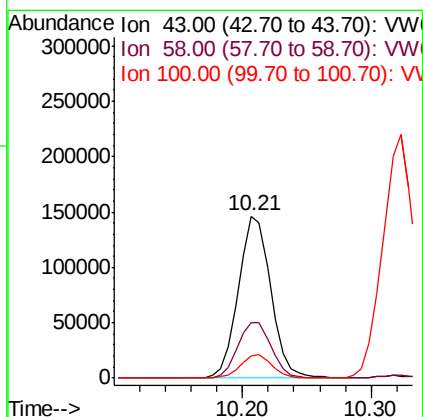
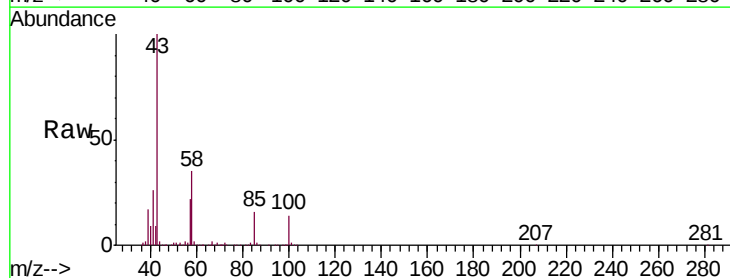
Tgt Ion: 43 Resp: 255043

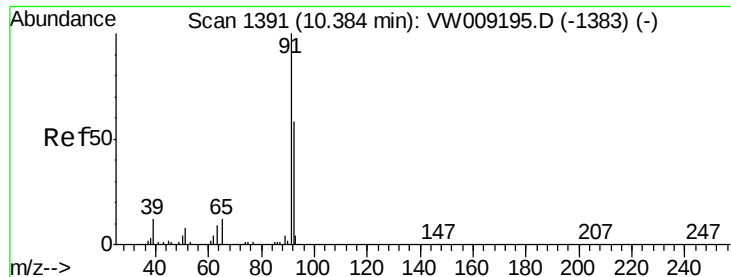
Ion Ratio Lower Upper

43 100

58 35.6 28.2 42.2

100 14.1 11.4 17.2





#44

Toluene

Concen: 28.877 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

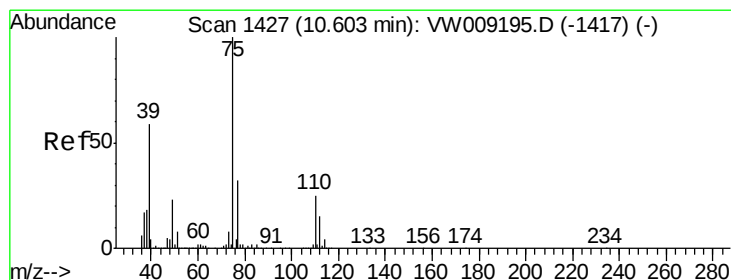
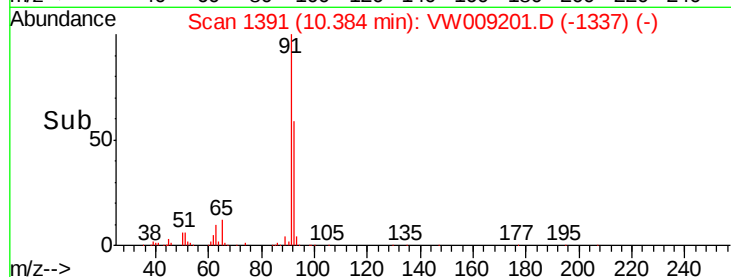
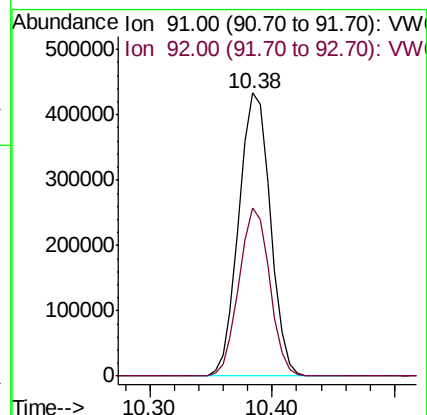
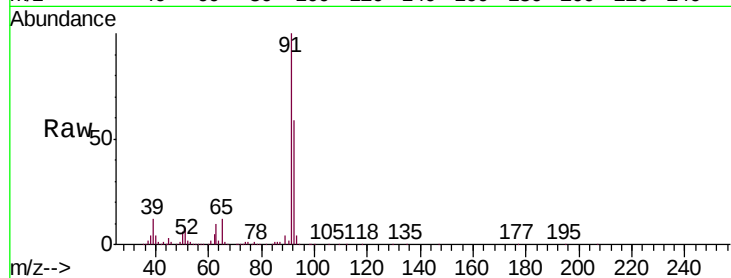
VSTD02510

Tgt Ion: 91 Resp: 775659

Ion Ratio Lower Upper

91 100

92 59.2 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 26.660 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009201.D

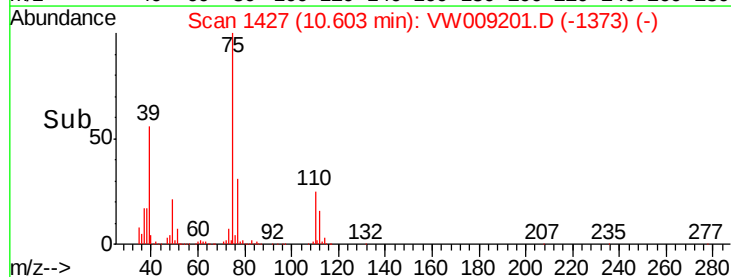
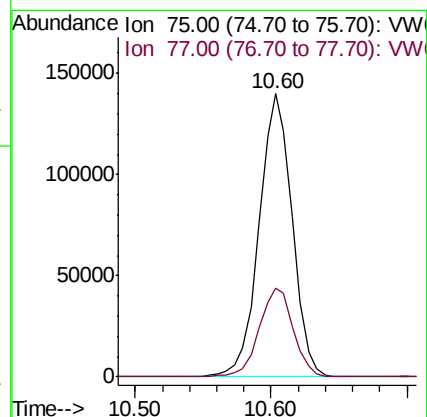
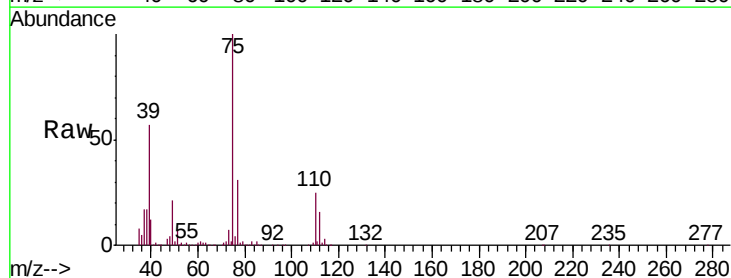
Acq: 15 Mar 2019 17:48

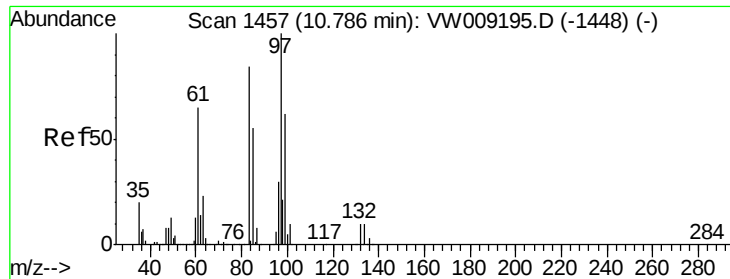
Tgt Ion: 75 Resp: 238131

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7



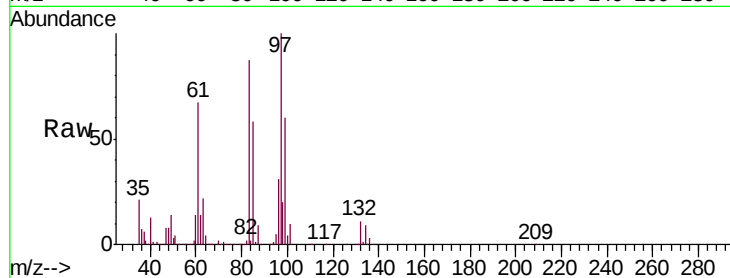


#46
 1,1,2-Trichloroethane
 Concen: 26.189 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion: 97 Resp: 131717

Ion	Ratio	Lower	Upper
97	100		
83	86.6	60.7	112.7
85	57.7	40.1	74.5
99	60.4	43.8	81.3



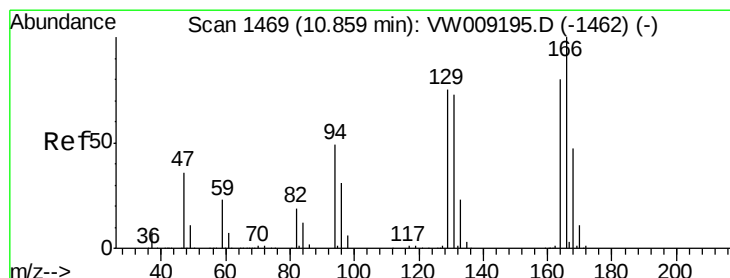
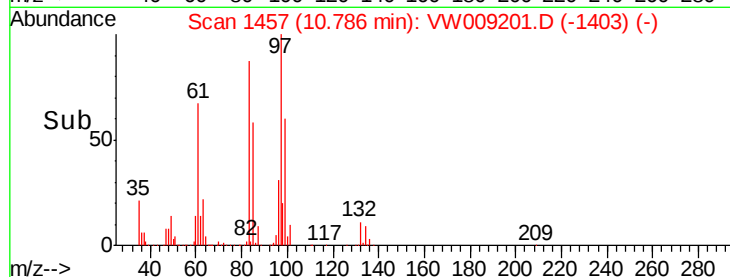
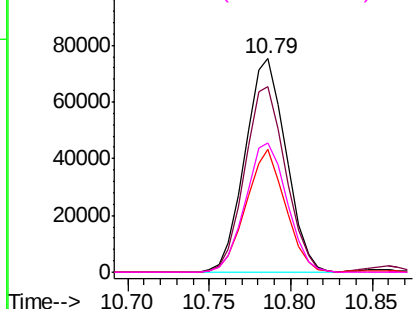
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

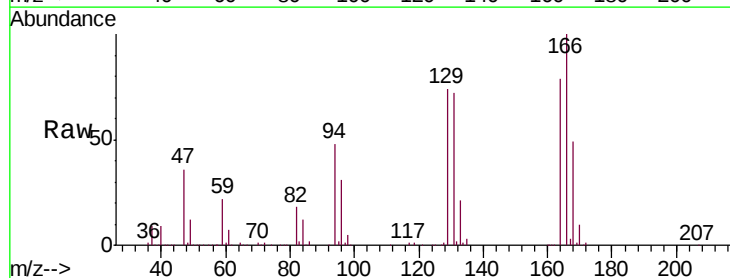
Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 28.850 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

Tgt Ion: 164 Resp: 159576

Ion	Ratio	Lower	Upper
164	100		
129	93.0	66.5	123.5
131	91.0	62.6	116.3
166	126.2	91.6	170.0



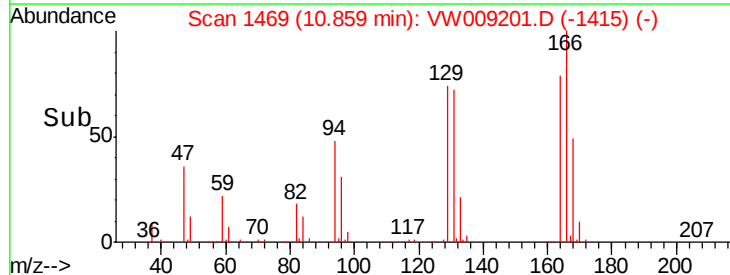
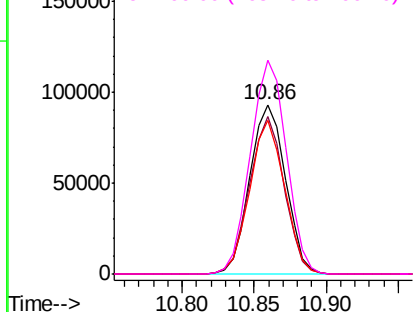
Abundance

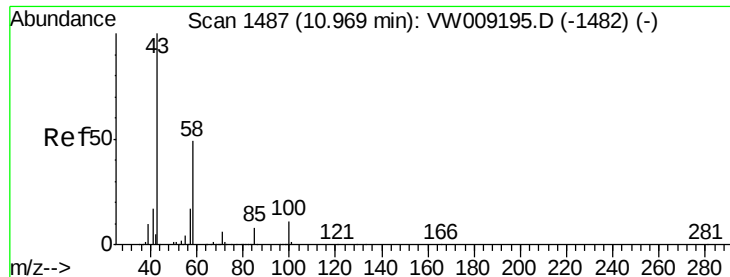
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

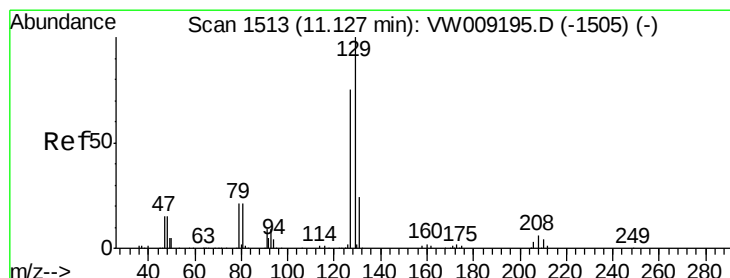
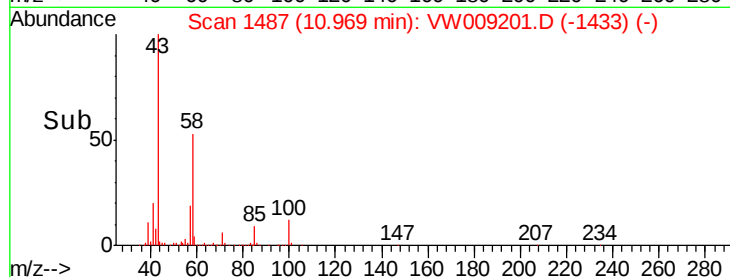
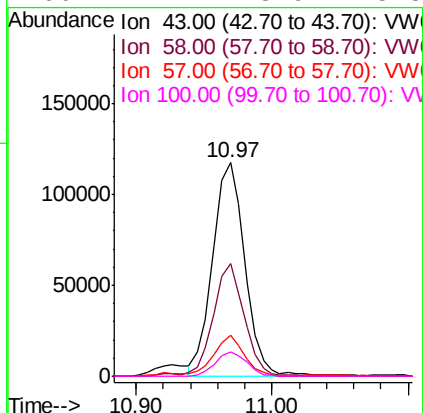
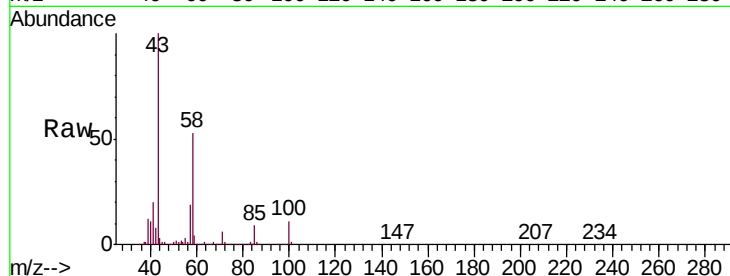




#49
2-Hexanone
Concen: 47.944 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009201.D
Acq: 15 Mar 2019 17:48

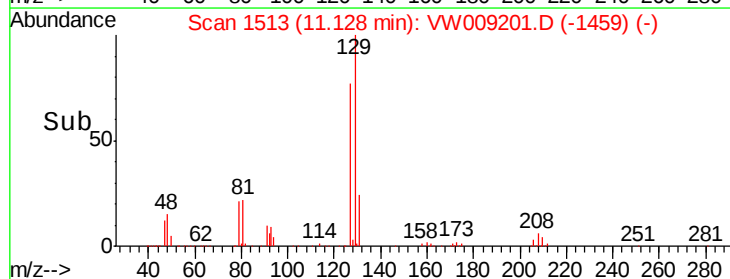
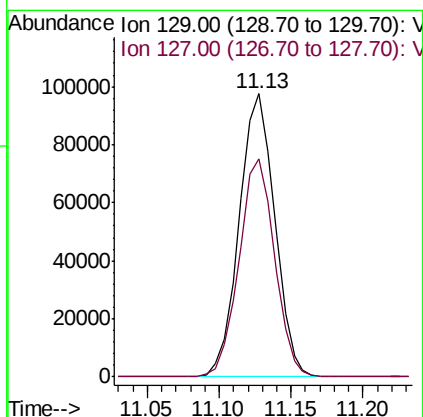
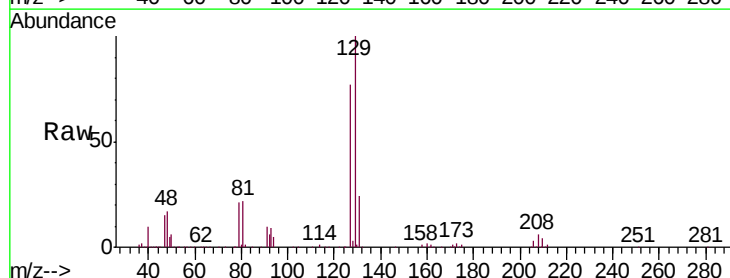
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

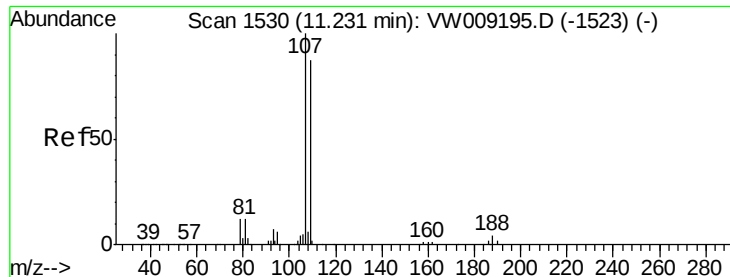
Tgt Ion:	43	Resp:	192899
Ion	Ratio	Lower	Upper
43	100		
58	50.6	39.2	58.8
57	17.3	14.2	21.2
100	11.4	8.9	13.3



#50
Dibromochloromethane
Concen: 26.876 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009201.D
Acq: 15 Mar 2019 17:48

Tgt Ion:	129	Resp:	166864
Ion	Ratio	Lower	Upper
129	100		
127	76.9	56.8	105.6

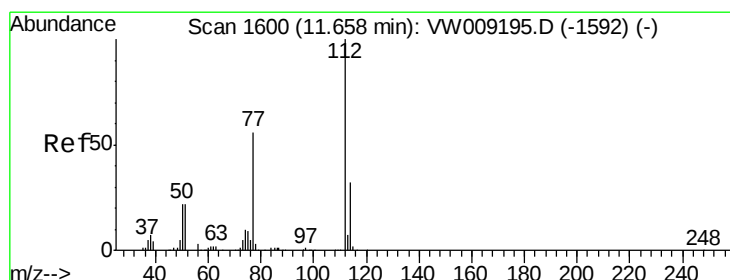
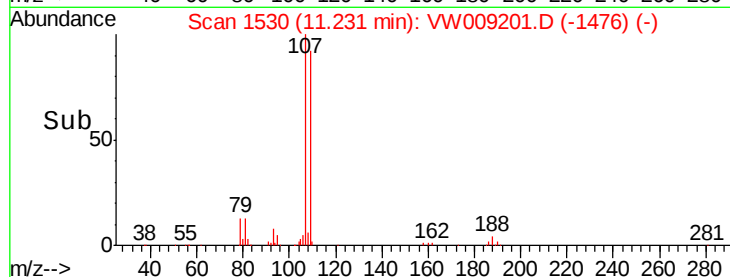
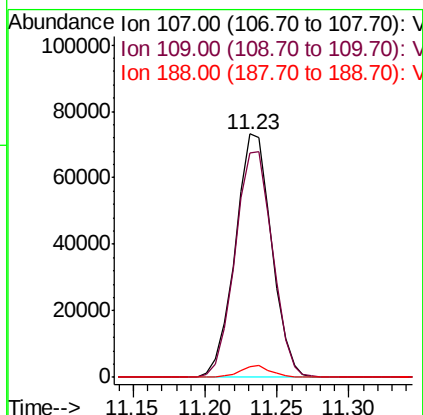
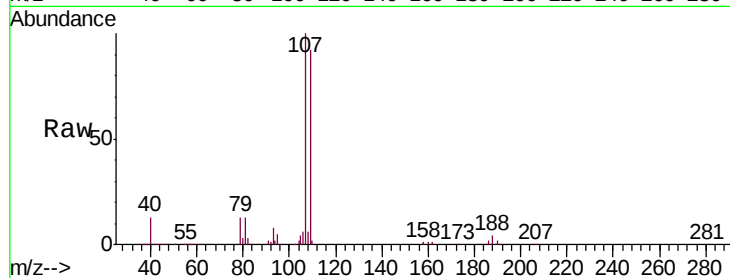




#51
1,2-Dibromoethane
Concen: 25.279 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW009201.D
Acq: 15 Mar 2019 17:48

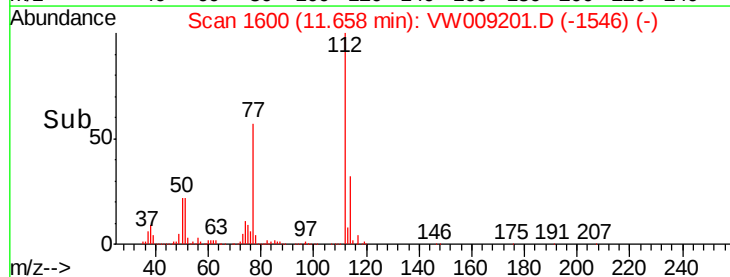
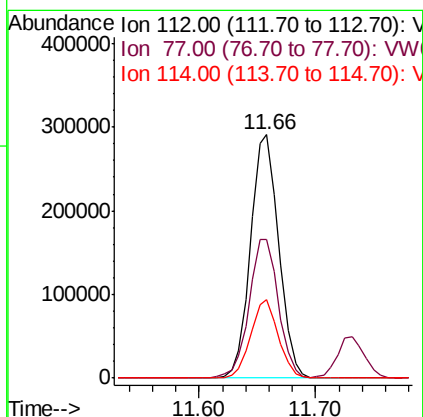
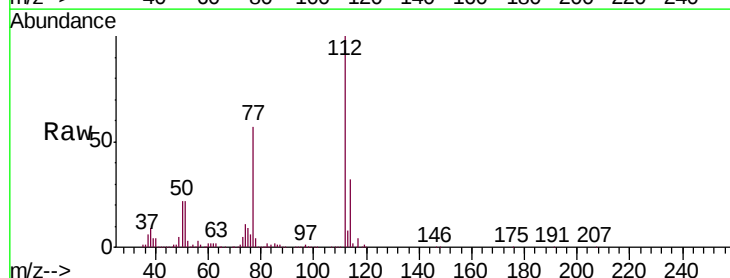
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

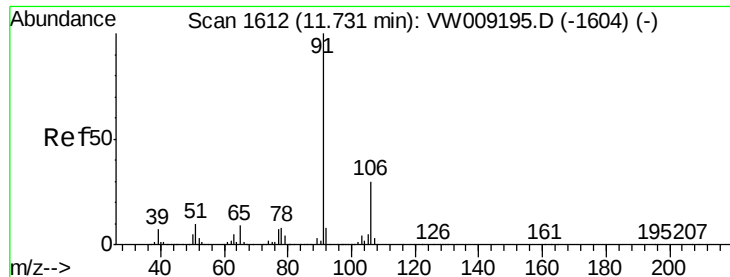
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.1	68.0	126.4
188	4.3	3.5	5.3



#52
Chlorobenzene
Concen: 28.491 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009201.D
Acq: 15 Mar 2019 17:48

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.9	45.7	68.5
114	32.2	22.8	42.4





#53

Ethylbenzene

Concen: 29.122 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

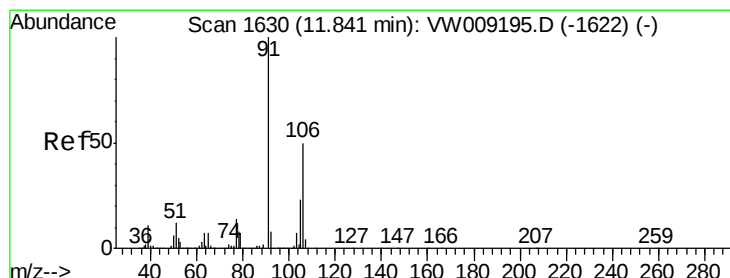
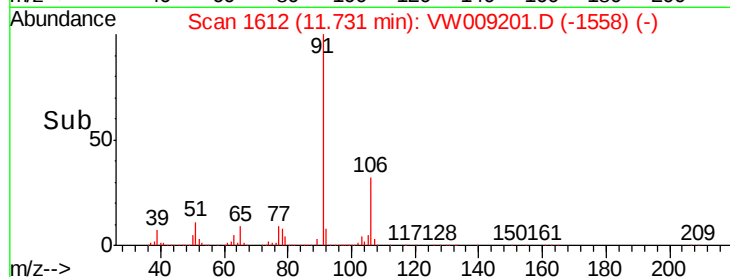
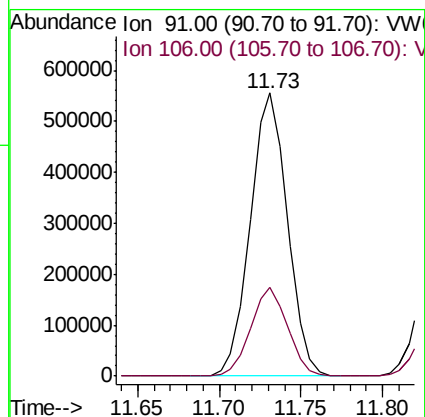
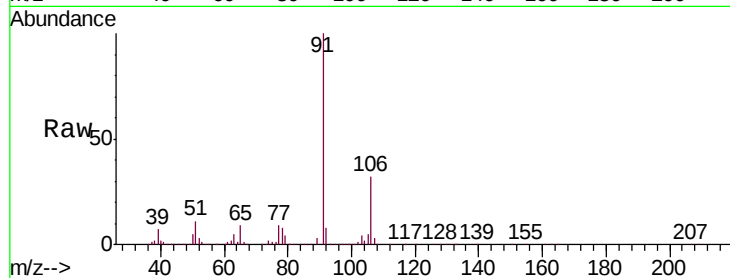
VSTD02510

Tgt Ion: 91 Resp: 879475

Ion Ratio Lower Upper

91 100

106 31.5 21.0 39.0



#54

m,p-Xylene

Concen: 29.124 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009201.D

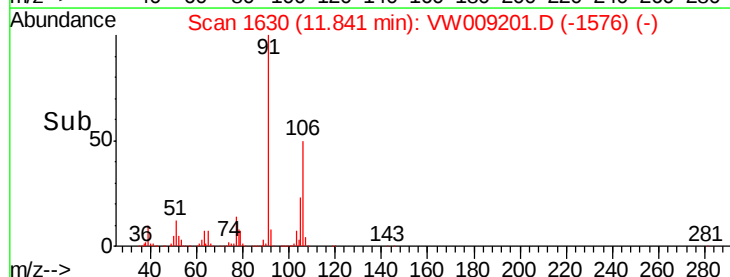
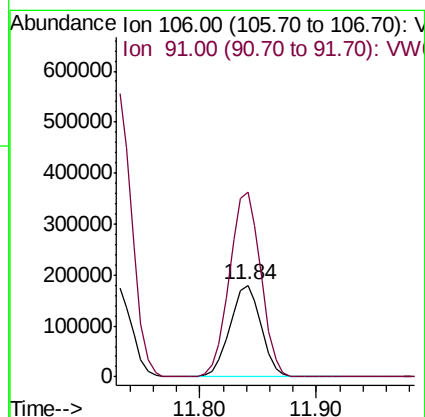
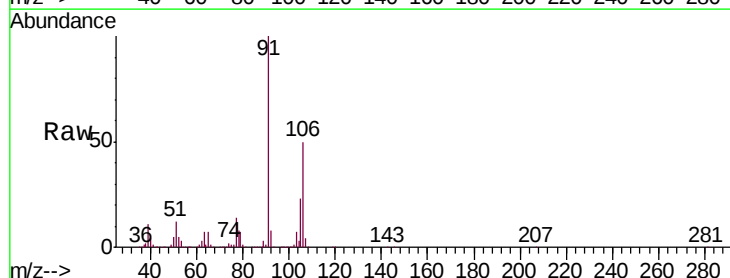
Acq: 15 Mar 2019 17:48

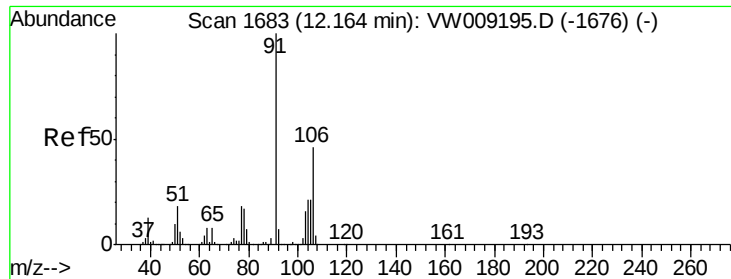
Tgt Ion: 106 Resp: 334143

Ion Ratio Lower Upper

106 100

91 201.7 138.4 257.0

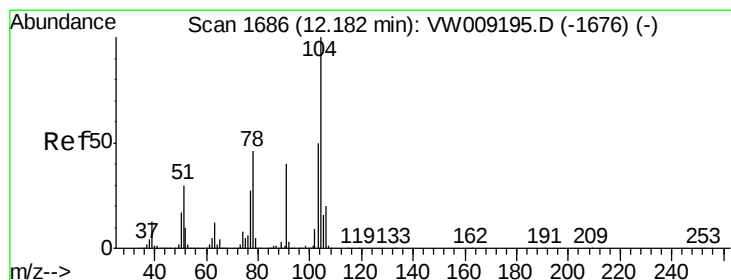
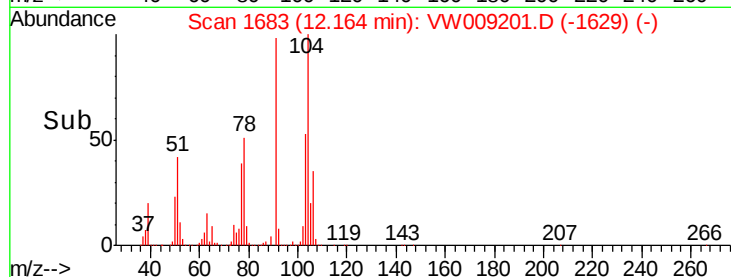
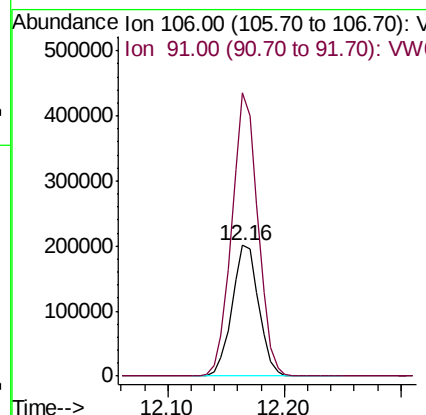
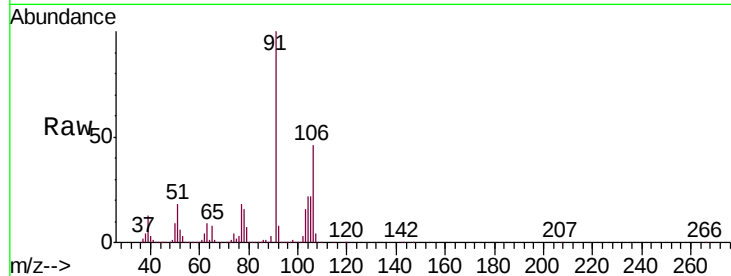




#55
o-xylene
Concen: 28.552 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009201.D
Acq: 15 Mar 2019 17:48

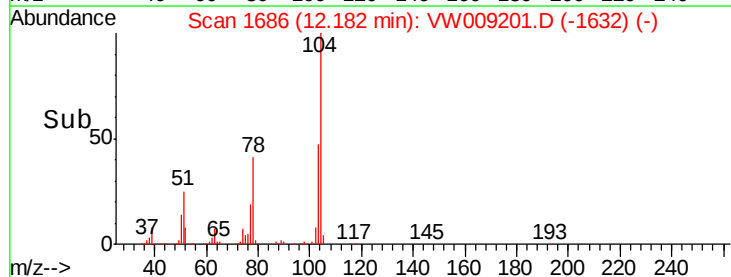
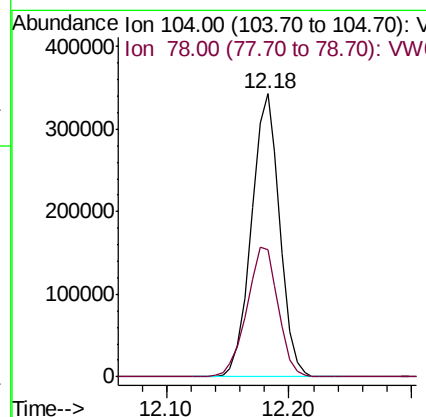
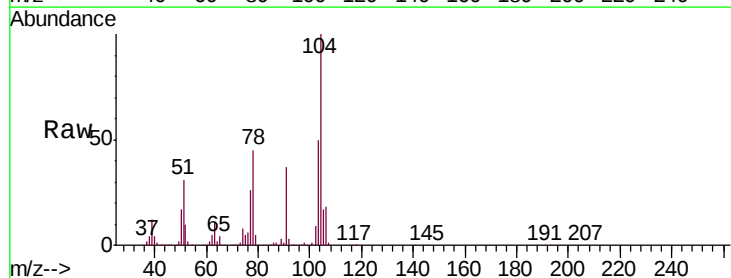
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

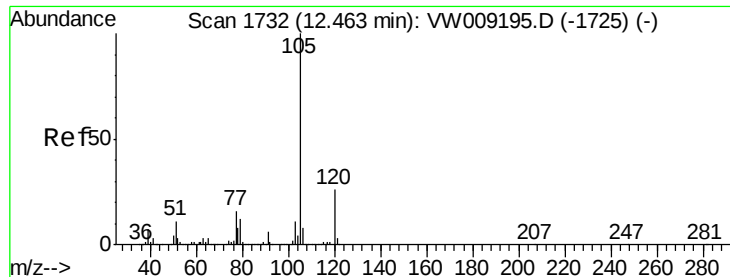
Tgt Ion:106 Resp: 319583
Ion Ratio Lower Upper
106 100
91 217.0 153.2 284.4



#56
Styrene
Concen: 28.815 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009201.D
Acq: 15 Mar 2019 17:48

Tgt Ion:104 Resp: 550294
Ion Ratio Lower Upper
104 100
78 45.0 30.9 57.3





#57

Isopropylbenzene

Concen: 29.386 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

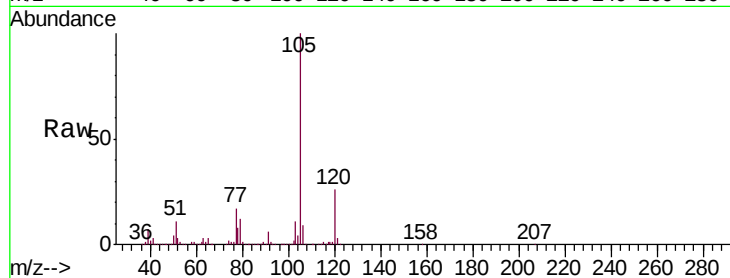
Tgt Ion: 105 Resp: 881109

Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

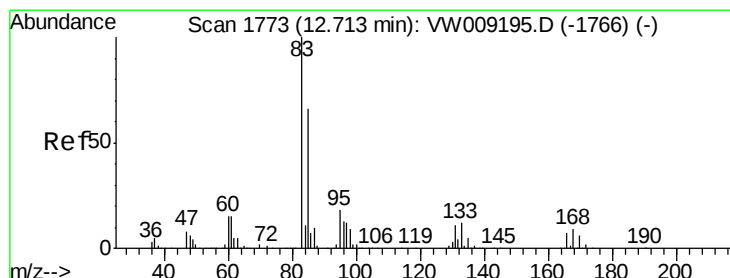
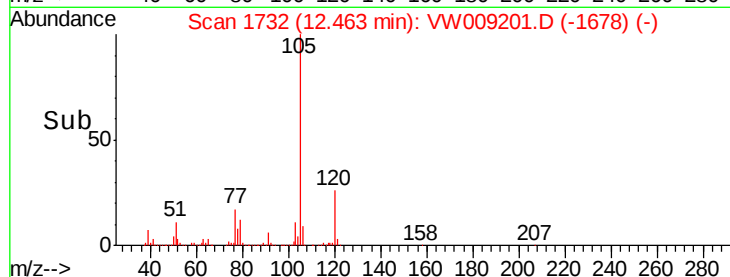
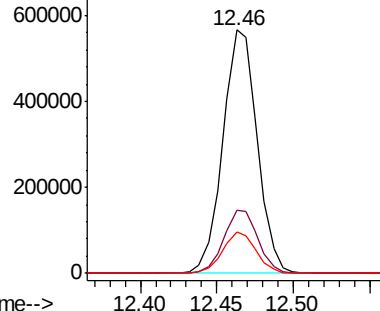
77 16.4 13.1 19.7



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: 24.926 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

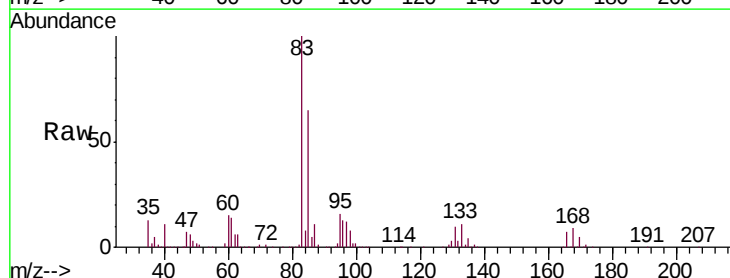
Tgt Ion: 83 Resp: 169127

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.8

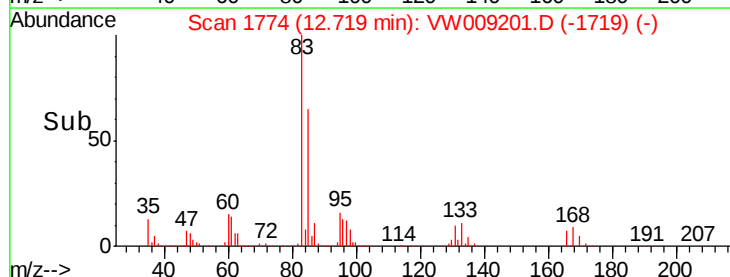
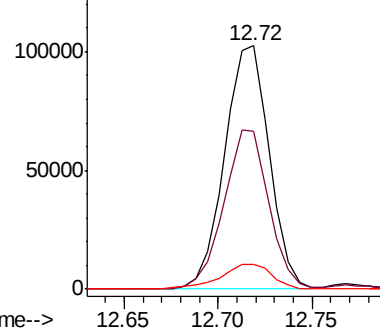
131 9.9 9.2 13.8

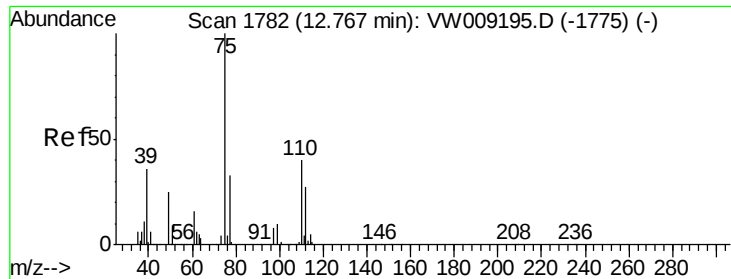


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.281 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

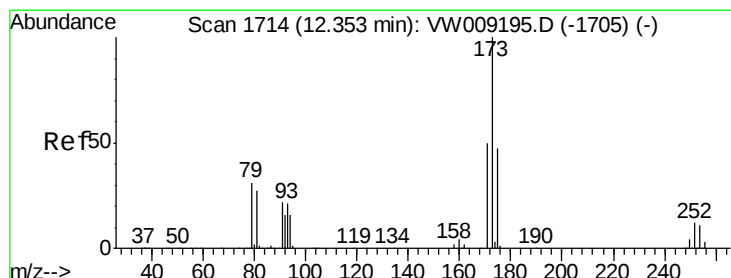
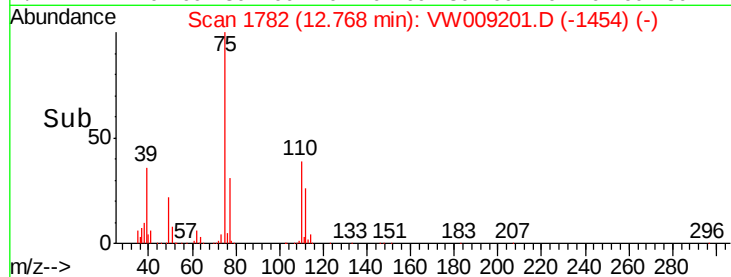
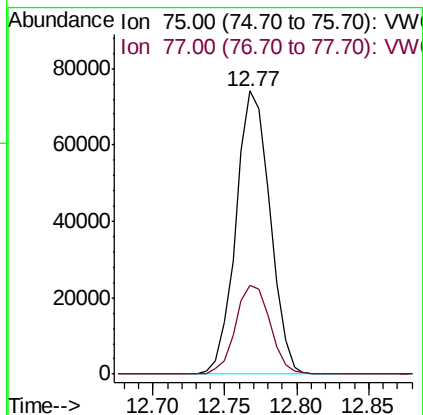
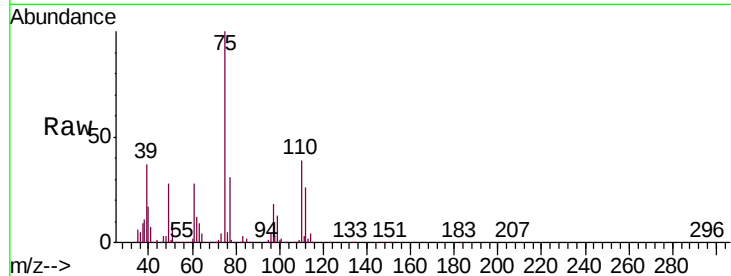
VSTD02510

Tgt Ion: 75 Resp: 122265

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2



#62

Bromoform

Concen: 25.341 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

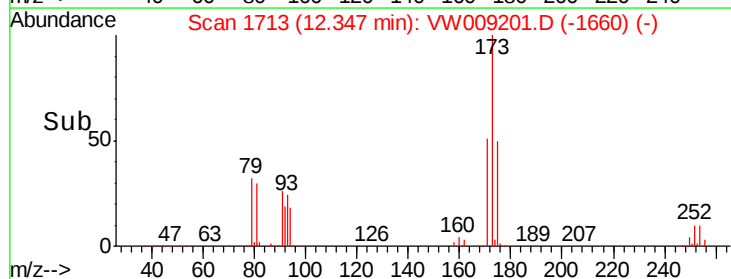
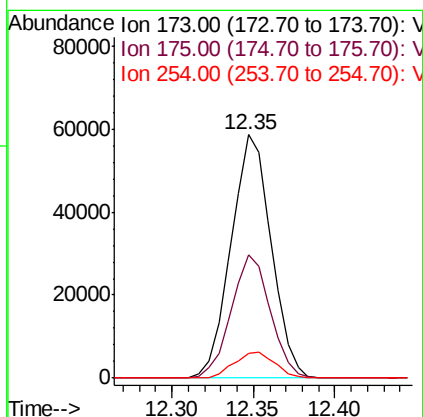
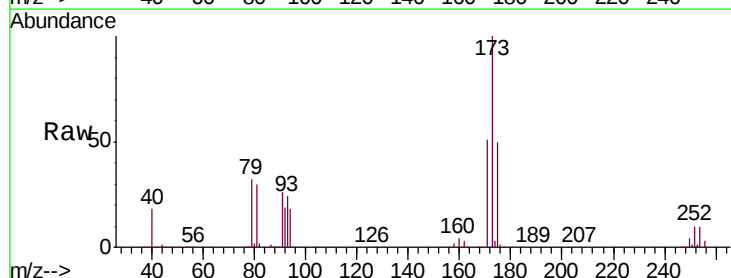
Tgt Ion: 173 Resp: 100536

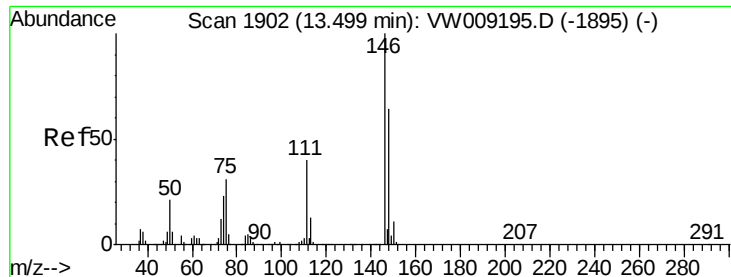
Ion Ratio Lower Upper

173 100

175 49.1 39.7 59.5

254 10.7 8.5 12.7

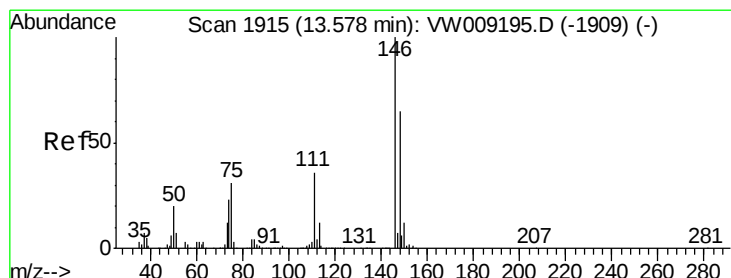
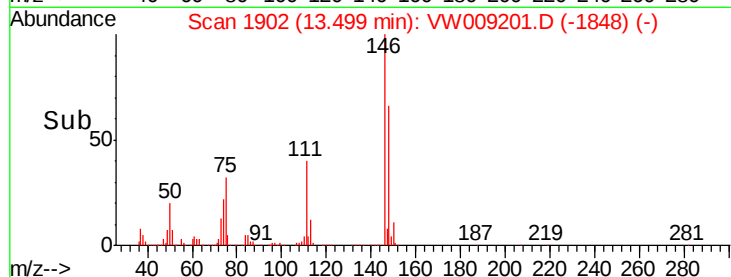
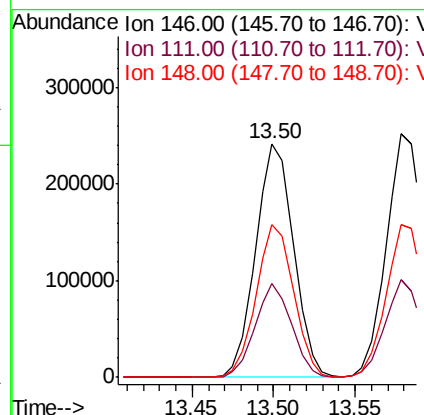
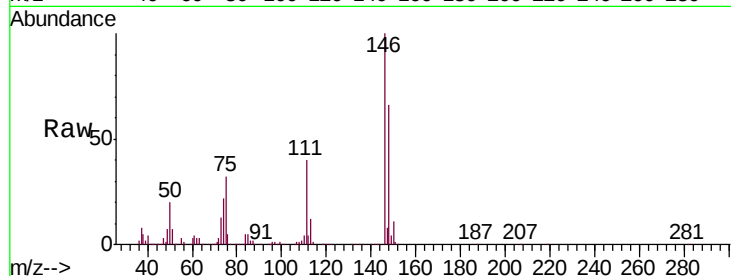




#63
 1,3-Dichlorobenzene
 Concen: 27.873 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

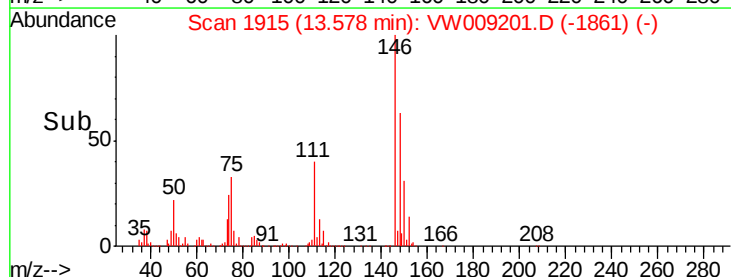
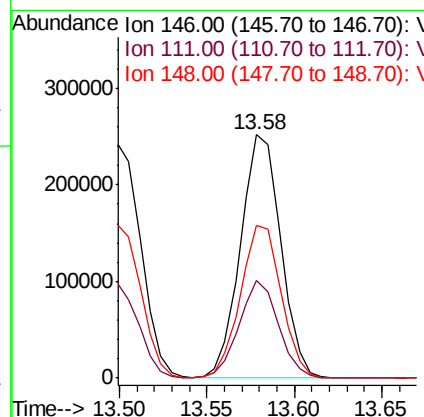
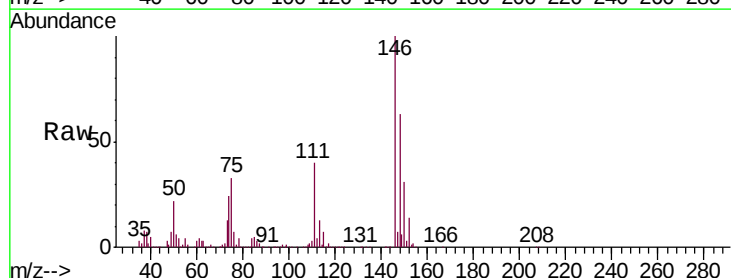
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

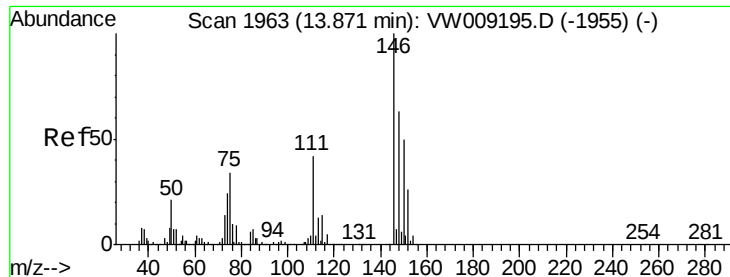
Tgt Ion:146 Resp: 390053
 Ion Ratio Lower Upper
 146 100
 111 40.4 26.9 49.9
 148 65.6 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 27.990 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

Tgt Ion:146 Resp: 404956
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.8 51.6
 148 63.0 46.3 86.1

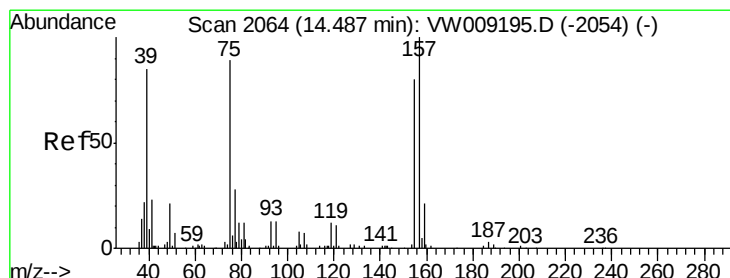
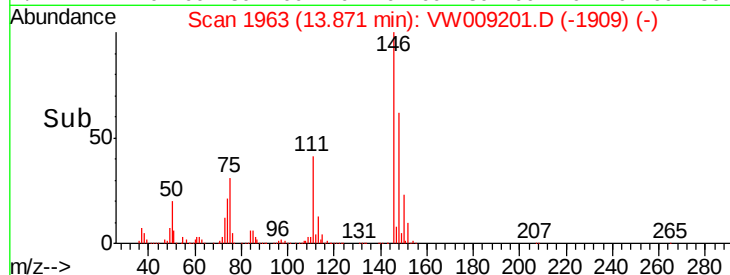
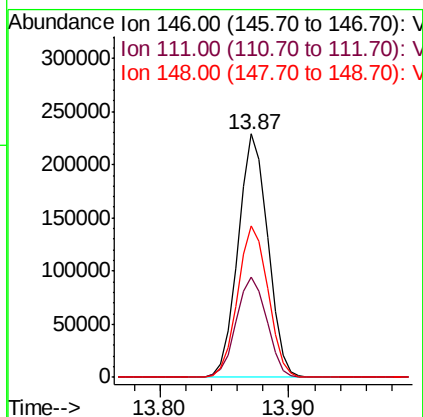
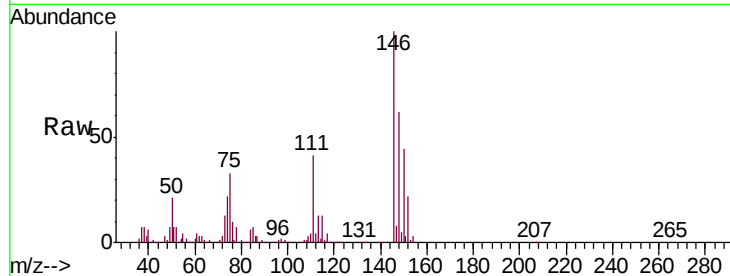




#65
 1,2-Dichlorobenzene
 Concen: 27.322 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

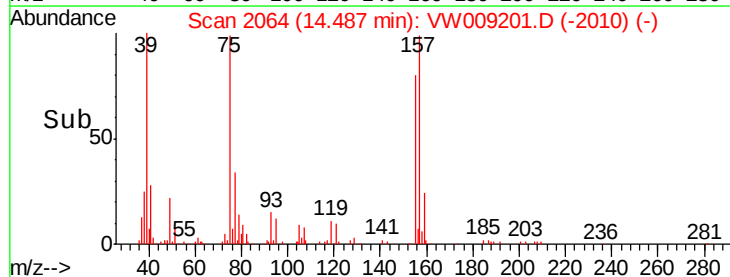
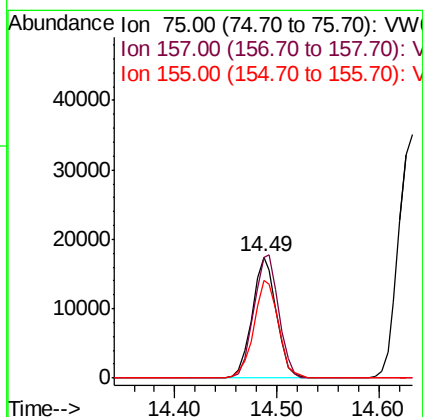
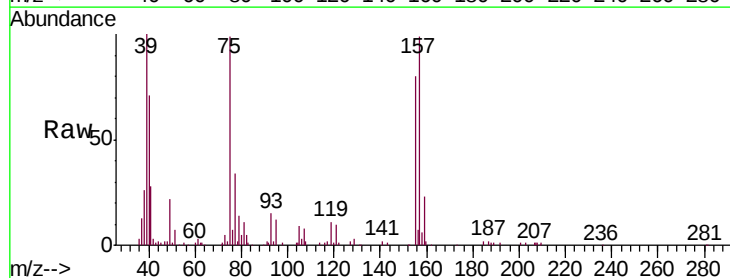
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

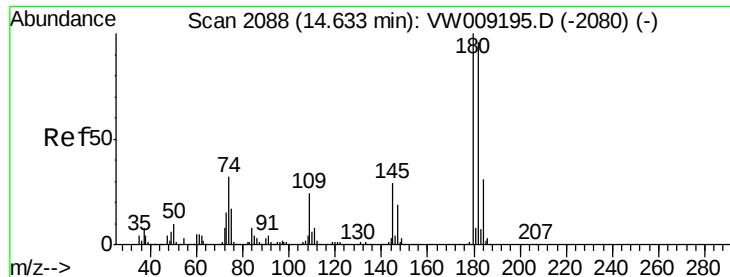
Tgt Ion: 146 Resp: 364623
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.5 50.3
 148 62.3 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.115 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009201.D
 Acq: 15 Mar 2019 17:48

Tgt Ion: 75 Resp: 28925
 Ion Ratio Lower Upper
 75 100
 157 100.0 89.0 133.4
 155 80.7 64.2 96.2





#67

1,3,5-Trichlorobenzene

Concen: 28.159 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion:180 Resp: 307358

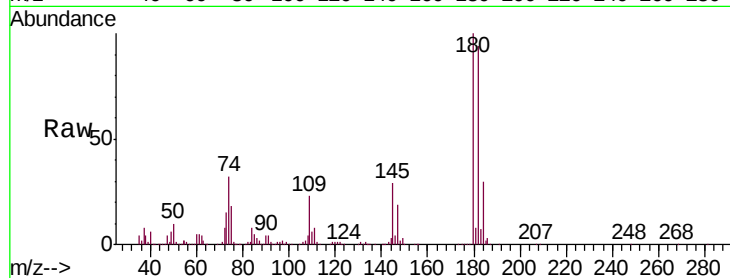
Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

184 30.7 23.8 35.6

145 29.4 23.4 35.2

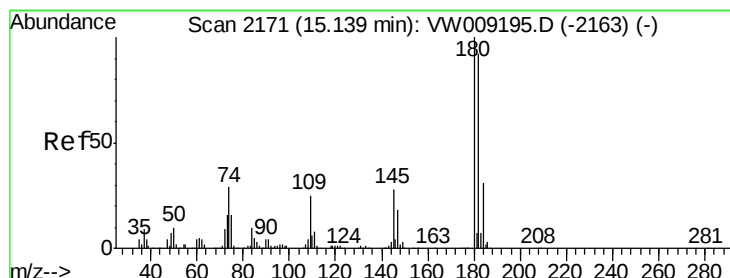
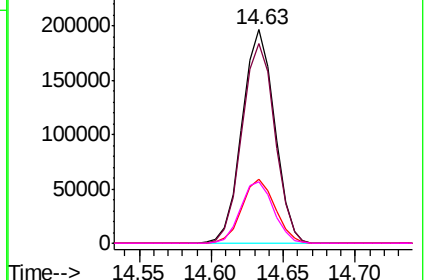
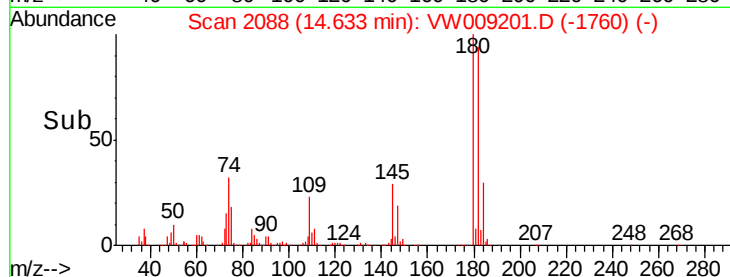


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 27.779 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

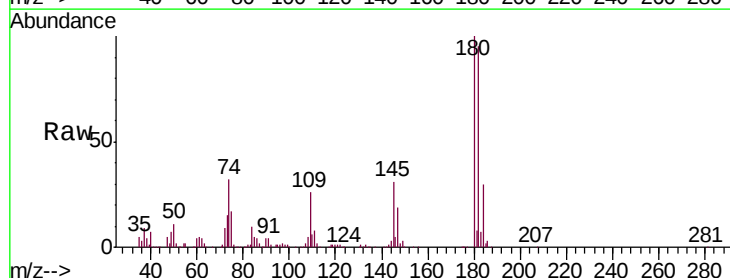
Tgt Ion:180 Resp: 254688

Ion Ratio Lower Upper

180 100

182 93.6 75.5 113.3

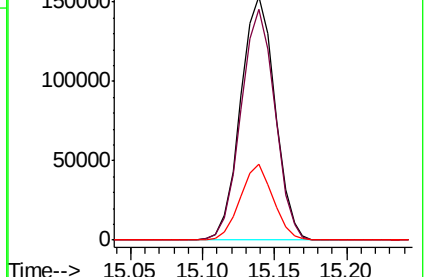
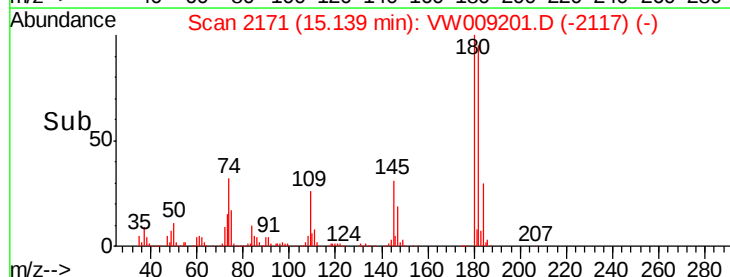
145 29.7 24.1 36.1

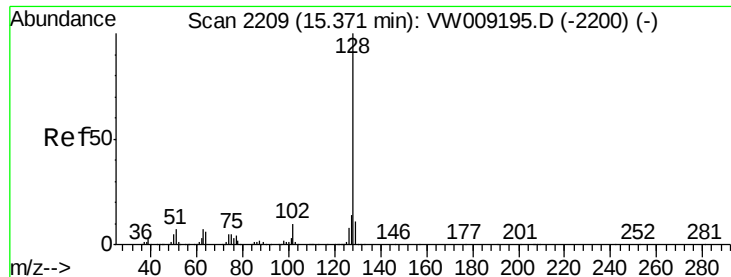


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.428 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

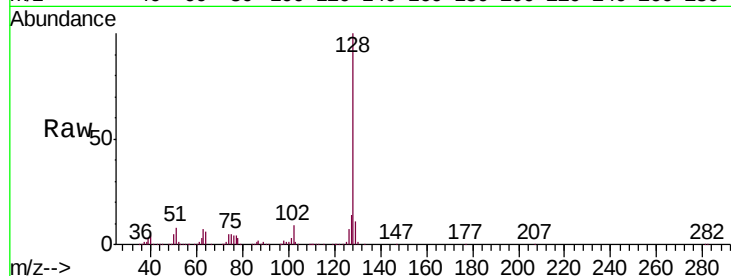
Tgt Ion:128 Resp: 483350

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

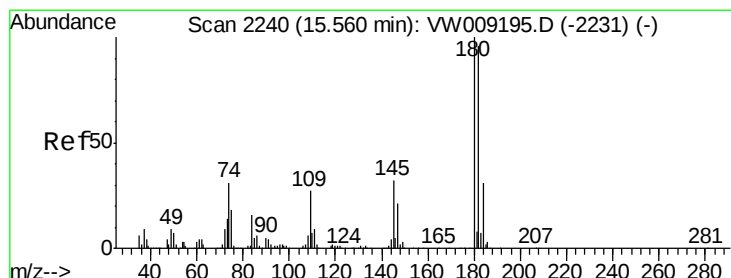
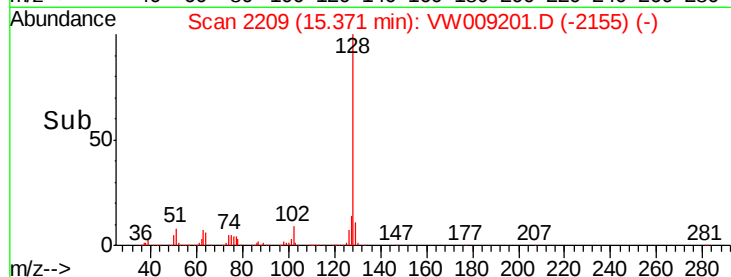
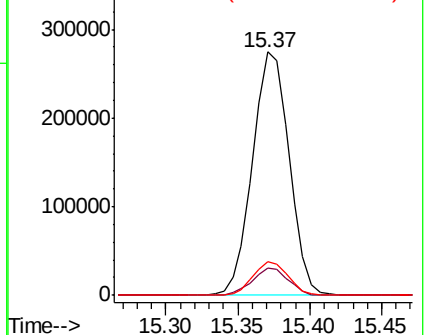
127 13.5 11.1 16.7



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: 27.133 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009201.D

Acq: 15 Mar 2019 17:48

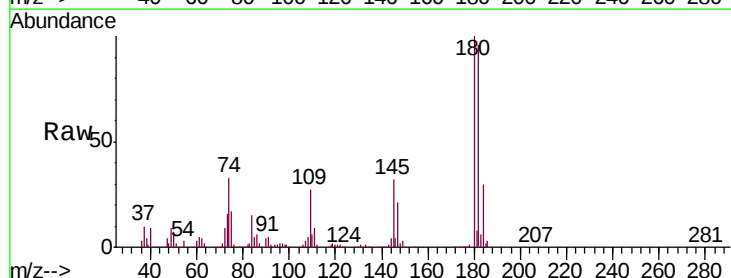
Tgt Ion:180 Resp: 232995

Ion Ratio Lower Upper

180 100

182 95.9 77.2 115.8

145 32.1 25.8 38.6



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

