

Data File : VW009967.D
Acq On : 13 Apr 2019 10:42
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Quant Time: Apr 13 21:27:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 23:54:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	584498	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	539075	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	274767	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	165385	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
7) Chloroethane-d5	2.89	69	144102	20.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.24%
10) 1,1-Dichloroethene-d2	4.01	63	425365	25.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.44%
20) 2-Butanone-d5	7.07	46	109038	43.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.82%
24) Chloroform-d	7.64	84	410939	25.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.08%
26) 1,2-Dichloroethane-d4	8.30	65	230225	23.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.04%
29) Benzene-d6	8.27	84	770320	27.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.88%
33) 1,2-Dichloropropane-d6	9.27	67	229916	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.20%
37) Toluene-d8	10.32	98	694009	26.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.08%
38) trans-1,3-Dichloropropene-	10.57	79	101747	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.64%
39) 2-Hexanone-d5	10.93	63	82684	50.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	189723	23.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	237665	24.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	191172	24.829 ug/L	98
3) Chloromethane	2.21	50	170067	21.373 ug/L	99
5) Vinyl chloride	2.37	62	219014	21.459 ug/L	96
6) Bromomethane	2.78	94	129458	18.331 ug/L	99
8) Chloroethane	2.92	64	135392	20.211 ug/L	96
9) Trichlorofluoromethane	3.25	101	126287	20.170 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	209263	25.695 ug/L	99
12) 1,1-Dichloroethene	4.03	96	203299	26.187 ug/L	92
13) Acetone	4.12	43	108831	40.901 ug/L	95
14) Carbon disulfide	4.37	76	559776	23.198 ug/L	100
15) Methyl Acetate	4.66	43	106777	22.009 ug/L	98
16) Methylene chloride	4.91	84	211577	20.525 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	273545	25.578 ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	211044	26.139 ug/L	99
19) 1,1-Dichloroethane	6.21	63	428519	27.657 ug/L	97
21) 2-Butanone	7.17	43	145991	43.141 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	231802	26.844 ug/L	97

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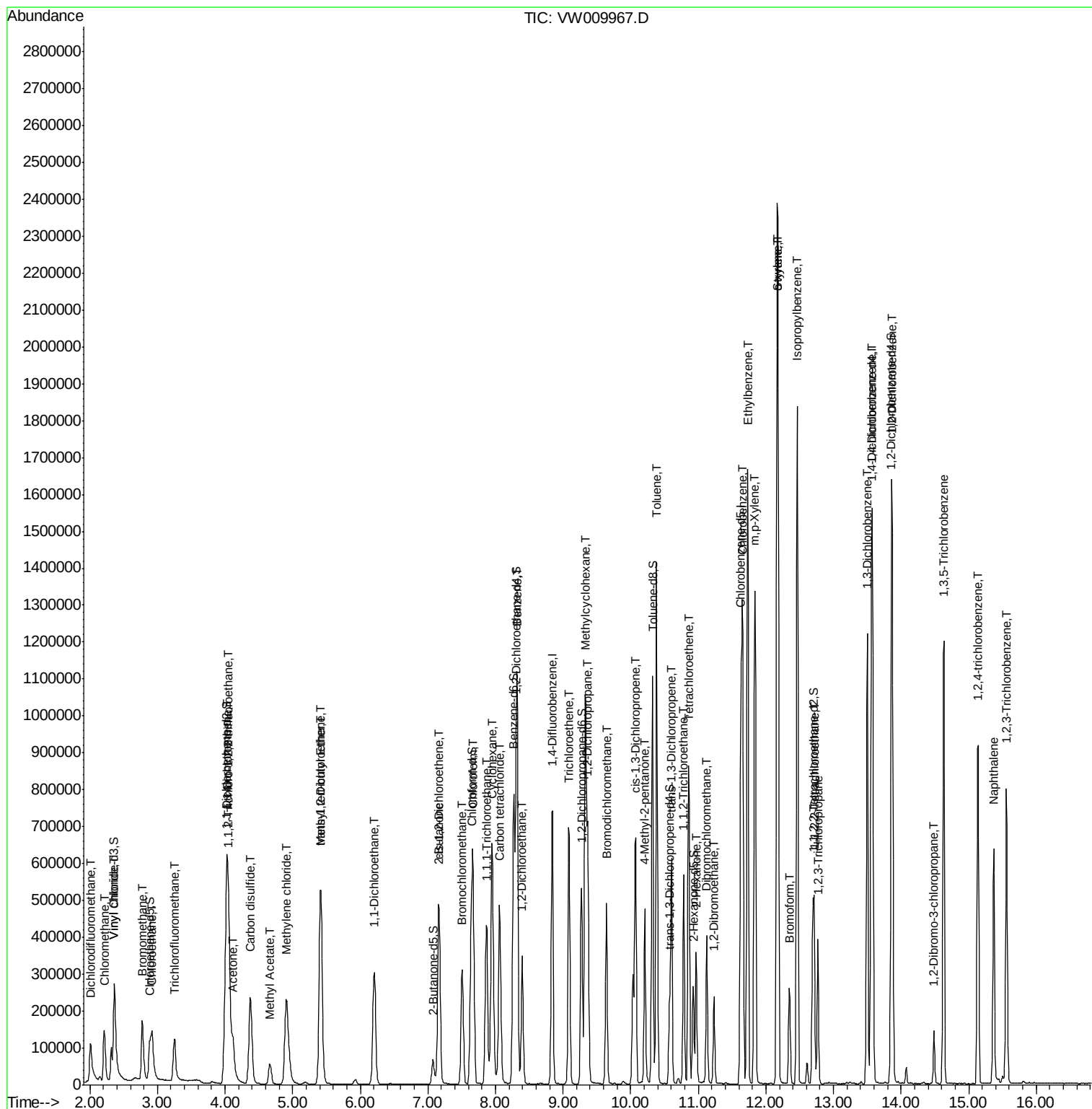
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	100052	25.255	ug/L	93
25) Chloroform	7.67	83	435086	26.808	ug/L	99
27) 1,2-Dichloroethane	8.40	62	306484	24.968	ug/L	96
30) Cyclohexane	7.95	56	369734	29.059	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	343134	28.059	ug/L	99
32) Carbon tetrachloride	8.06	117	338621	27.619	ug/L	98
34) Benzene	8.32	78	910483	28.072	ug/L	100
35) Trichloroethene	9.09	95	235711	27.770	ug/L	99
36) Methylcyclohexane	9.34	83	401351	28.761	ug/L	99
40) 1,2-Dichloropropane	9.37	63	235764	28.397	ug/L	99
41) Bromodichloromethane	9.64	83	310713	27.122	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	356987	27.754	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	313009	48.535	ug/L	99
44) Toluene	10.38	91	971251	28.268	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	302060	27.239	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	162630	26.097	ug/L	93
47) Tetrachloroethene	10.86	164	181661	27.174	ug/L	96
49) 2-Hexanone	10.97	43	227847	47.448	ug/L	99
50) Dibromochloromethane	11.13	129	199116	26.007	ug/L	98
51) 1,2-Dibromoethane	11.23	107	154315	24.706	ug/L	95
52) Chlorobenzene	11.66	112	600369	27.146	ug/L	99
53) Ethylbenzene	11.73	91	1117665	28.557	ug/L	100
54) m,p-Xylene	11.84	106	414801	28.654	ug/L	99
55) o-xylene	12.16	106	390807	28.346	ug/L	100
56) Styrene	12.18	104	683786	28.584	ug/L	98
57) Isopropylbenzene	12.46	105	1114425	29.520	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	206623	24.657	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	151559	24.296	ug/L	99
62) Bromoform	12.35	173	113358	23.464	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	458185	26.957	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	477664	26.354	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	432987	26.627	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	34701	21.923	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	349032	27.676	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	274279	27.081	ug/L	99
69) Naphthalene	15.37	128	514669	25.283	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	254183	26.828	ug/L	99

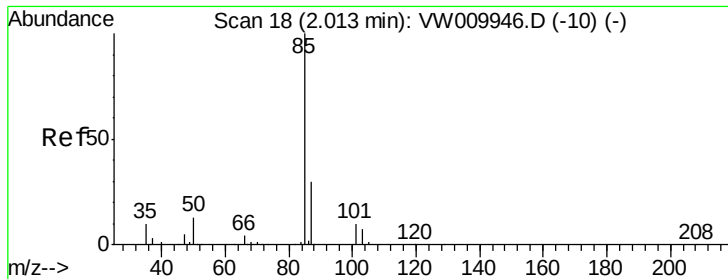
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.829 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

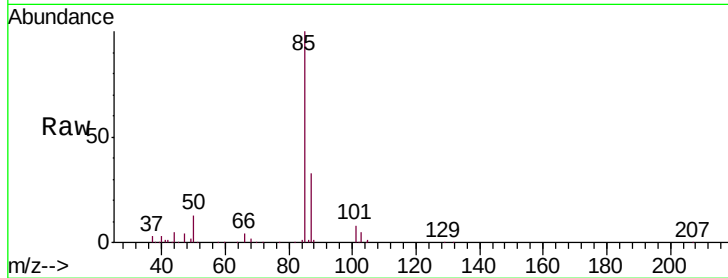
VSTD02501

Tgt Ion: 85 Resp: 191172

Ion Ratio Lower Upper

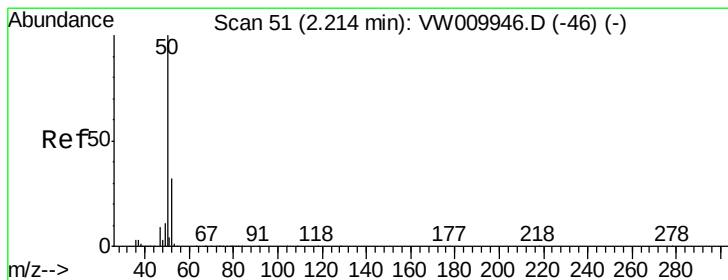
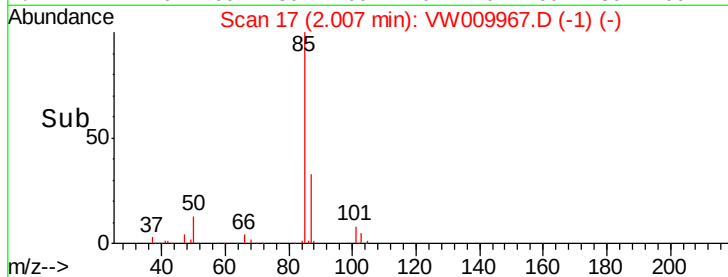
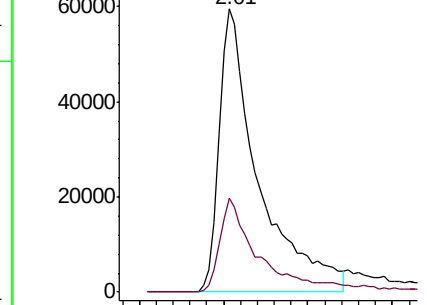
85 100

87 26.9 18.1 33.5



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.373 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009967.D

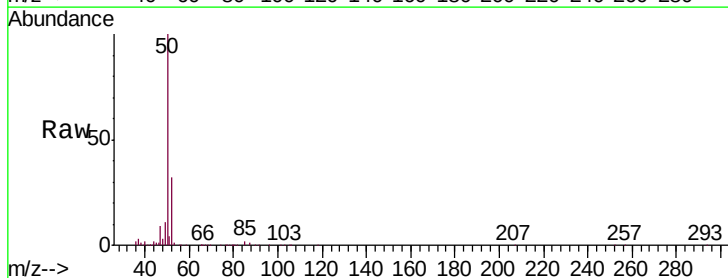
Acq: 13 Apr 2019 10:42

Tgt Ion: 50 Resp: 170067

Ion Ratio Lower Upper

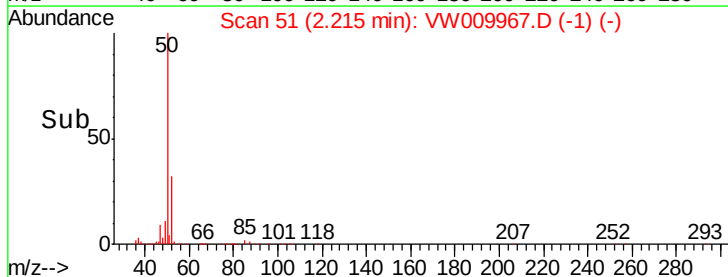
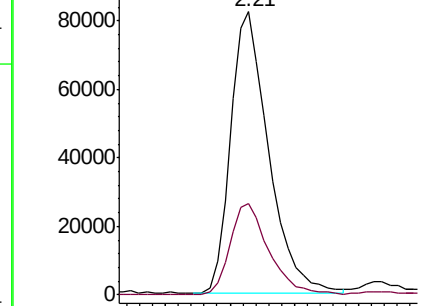
50 100

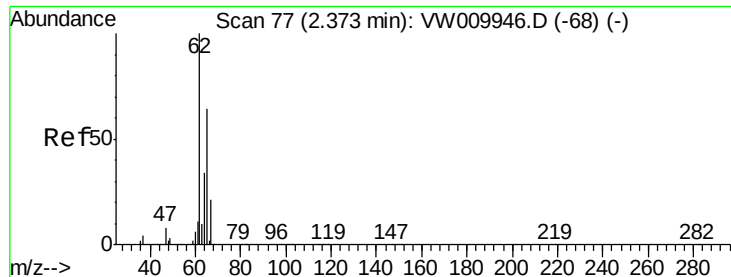
52 32.1 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.459 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009967.D

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ClientSampleId :

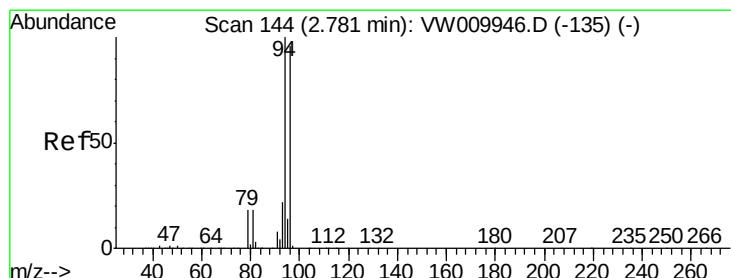
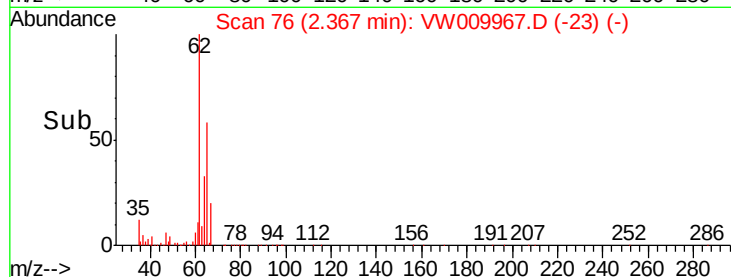
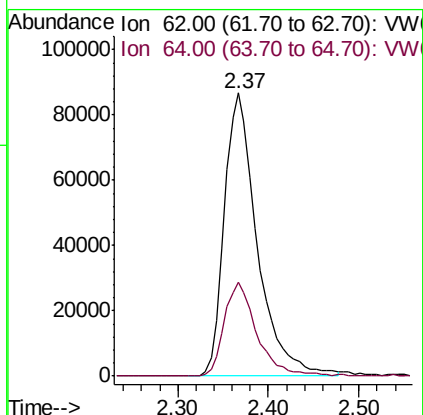
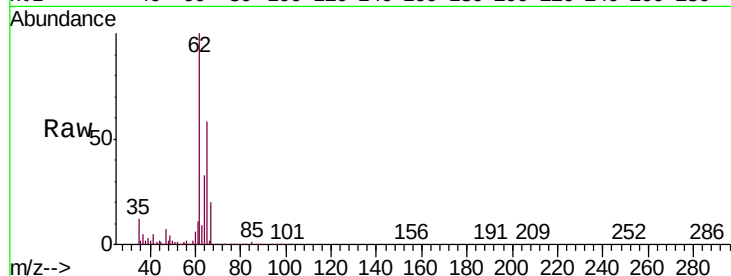
VSTD02501

Tgt Ion: 62 Resp: 219014

Ion Ratio Lower Upper

62 100

64 33.2 21.8 40.6



#6

Bromomethane

Concen: 18.331 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW009967.D

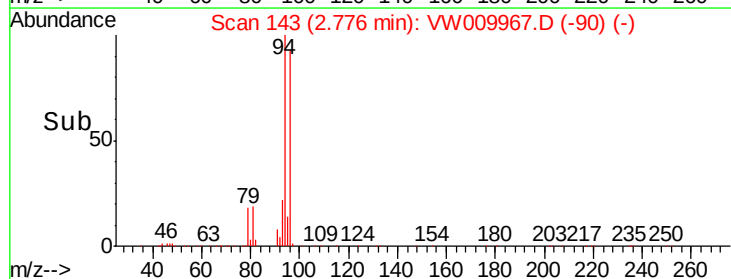
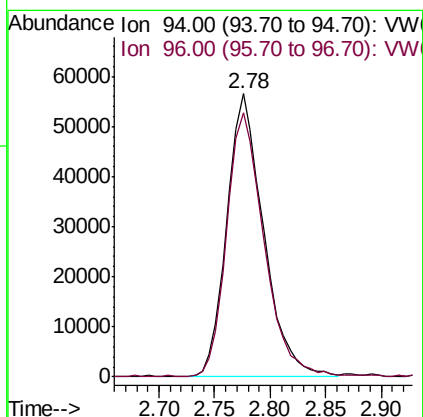
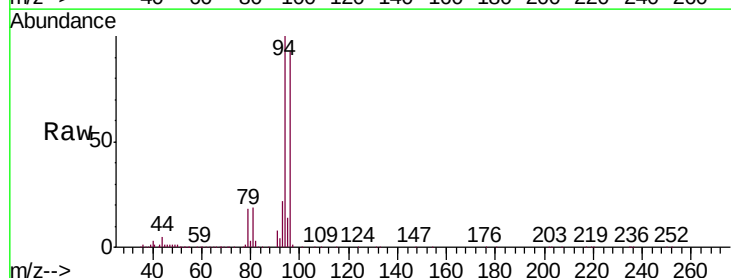
Acq: 13 Apr 2019 10:42

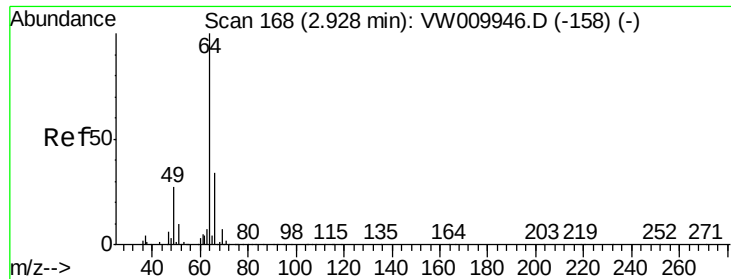
Tgt Ion: 94 Resp: 129458

Ion Ratio Lower Upper

94 100

96 93.9 9.3 177.3





#8

Chloroethane

Concen: 20.211 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

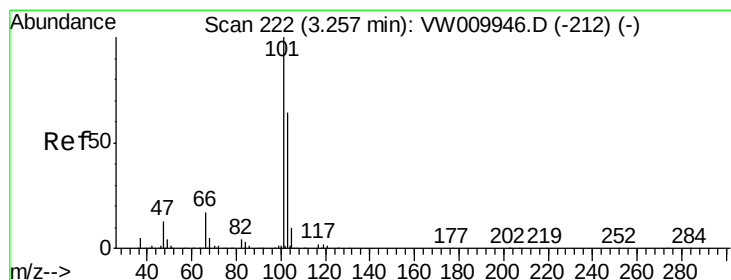
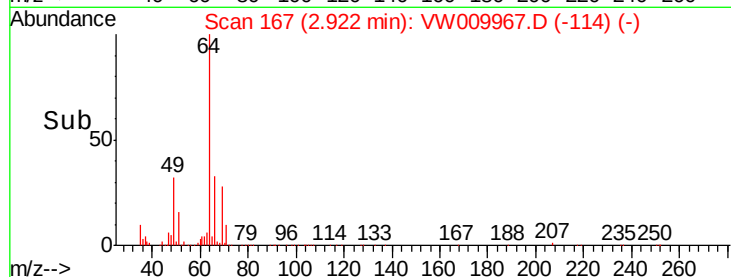
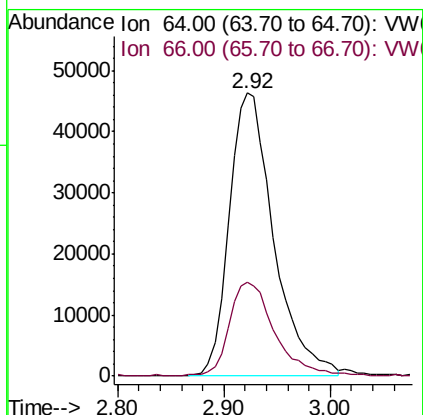
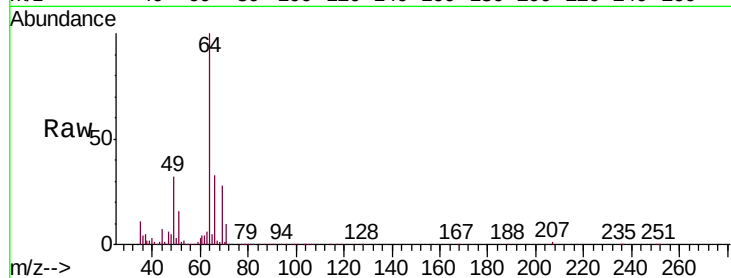
VSTD02501

Tgt Ion: 64 Resp: 135392

Ion Ratio Lower Upper

64 100

66 33.3 21.6 40.2



#9

Trichlorofluoromethane

Concen: 20.170 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW009967.D

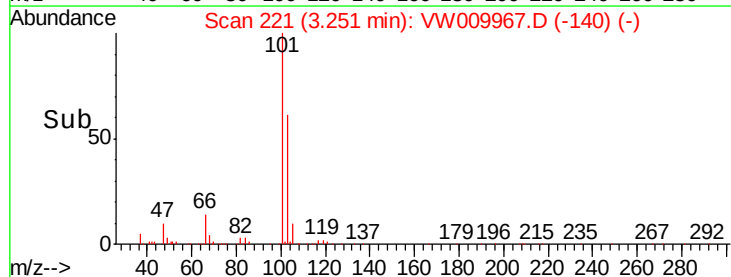
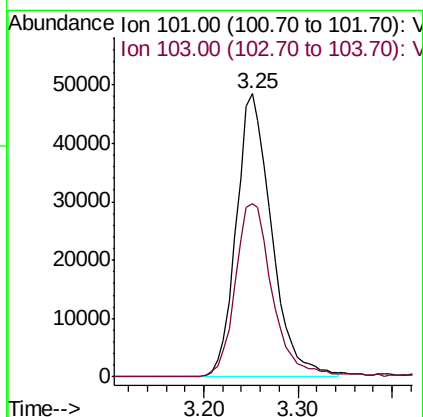
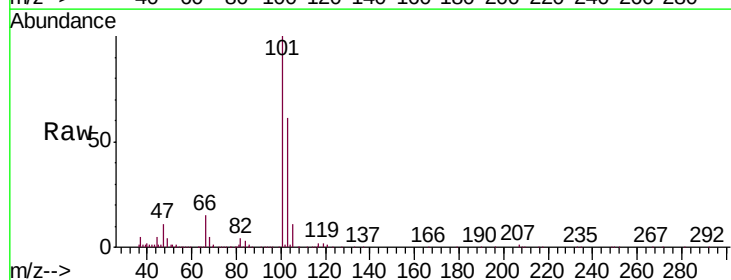
Acq: 13 Apr 2019 10:42

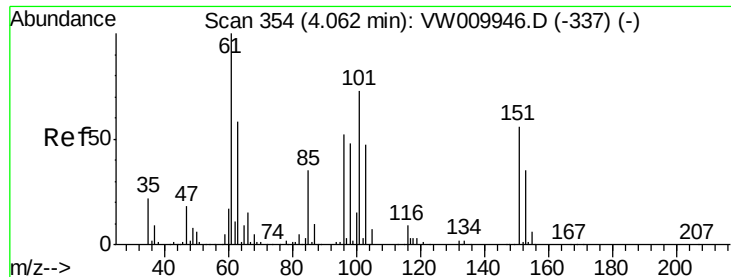
Tgt Ion: 101 Resp: 126287

Ion Ratio Lower Upper

101 100

103 63.8 45.1 83.7





#11

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

Concen: 25.695 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

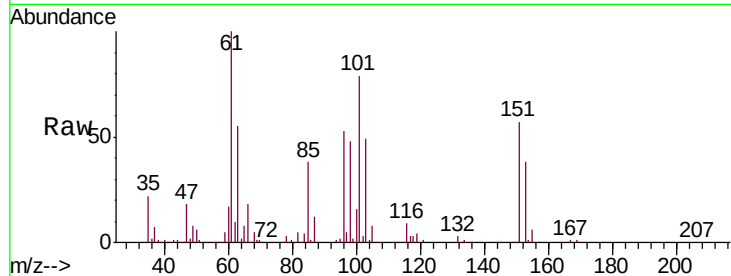
Tgt Ion: 101 Resp: 209263

Ion Ratio Lower Upper

101 100

85 46.3 37.8 56.6

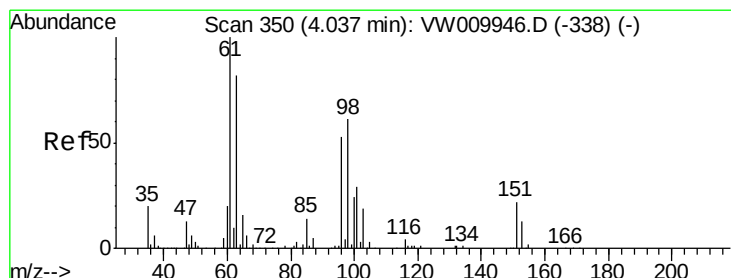
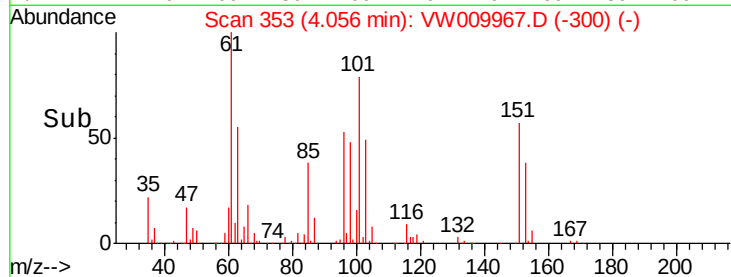
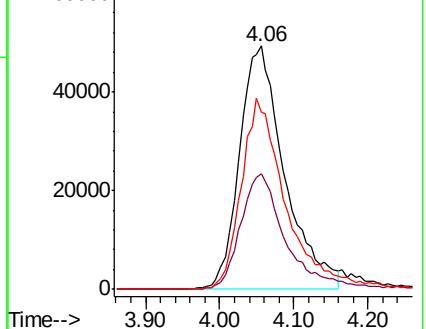
151 76.4 60.6 91.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.187 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

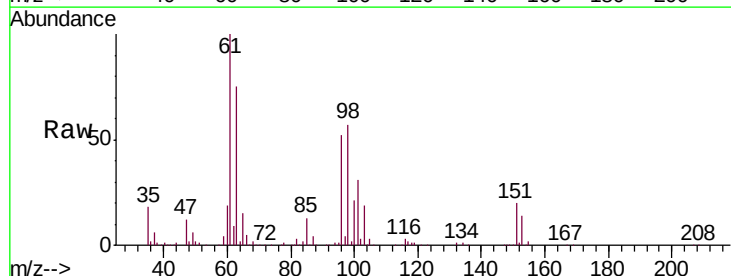
Tgt Ion: 96 Resp: 203299

Ion Ratio Lower Upper

96 100

61 194.0 138.8 257.8

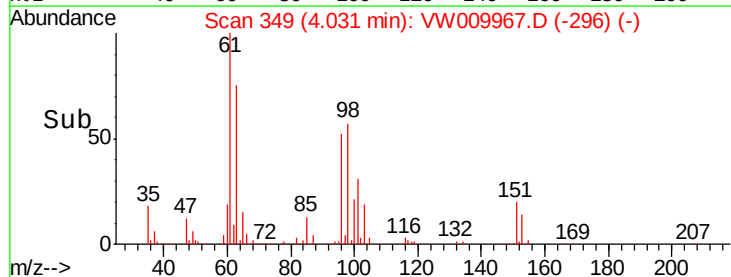
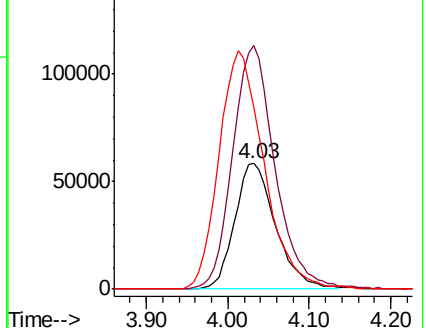
63 144.8 114.6 212.8

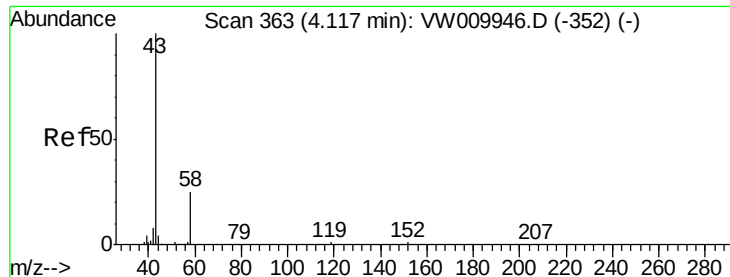


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

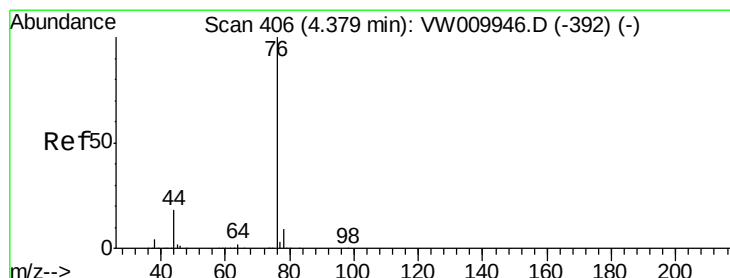
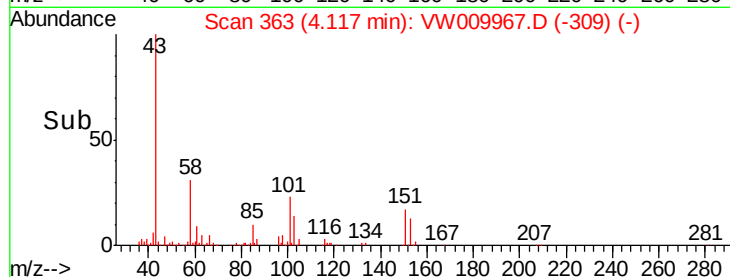
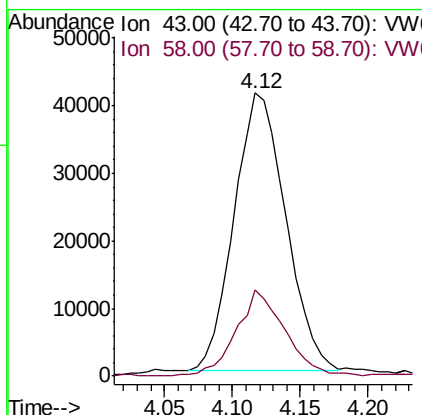
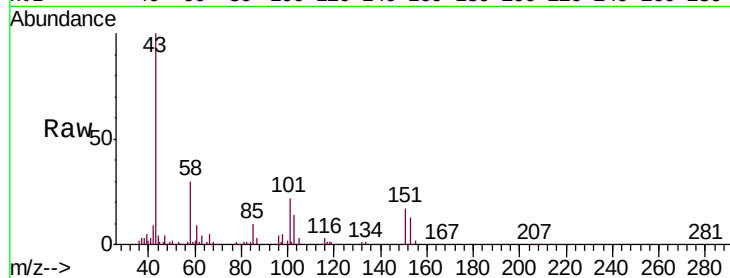




#13
Acetone
Concen: 40.901 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

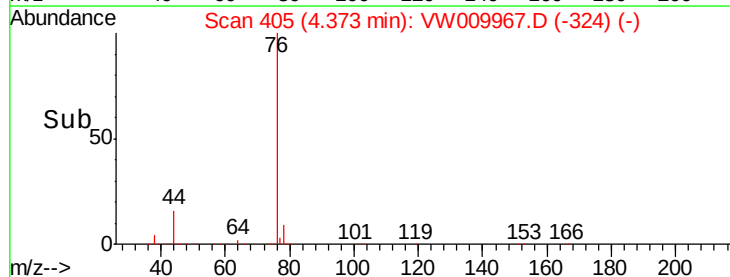
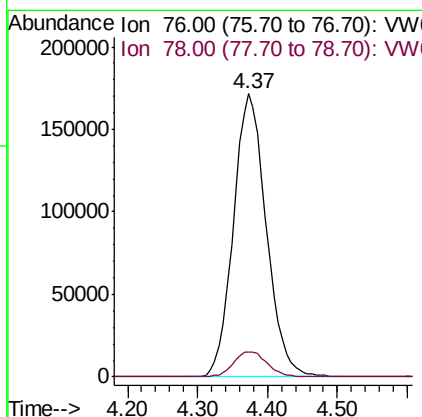
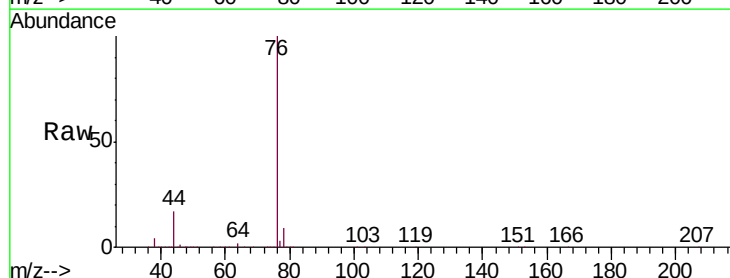
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VSTD02501

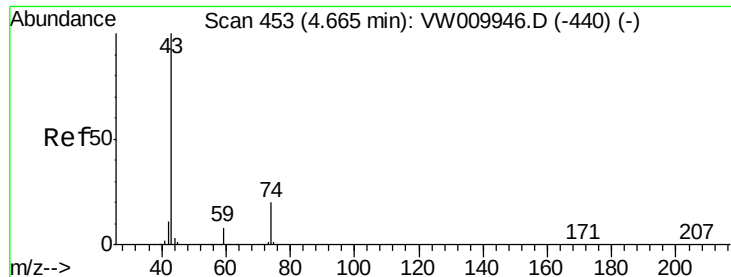
Tgt Ion: 43 Resp: 108831
Ion Ratio Lower Upper
43 100
58 29.3 0.0 53.0



#14
Carbon disulfide
Concen: 23.198 ug/L
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

Tgt Ion: 76 Resp: 559776
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9





#15

Methyl Acetate

Concen: 22.009 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

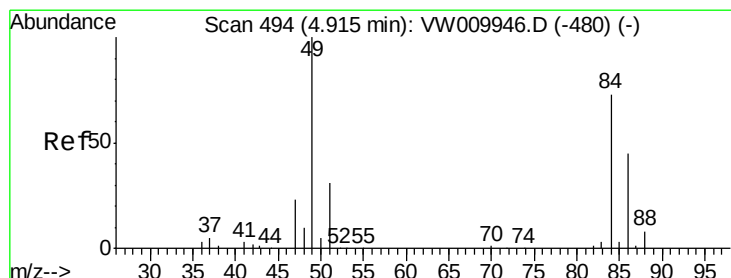
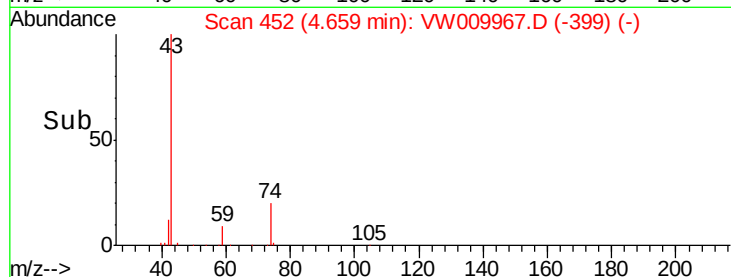
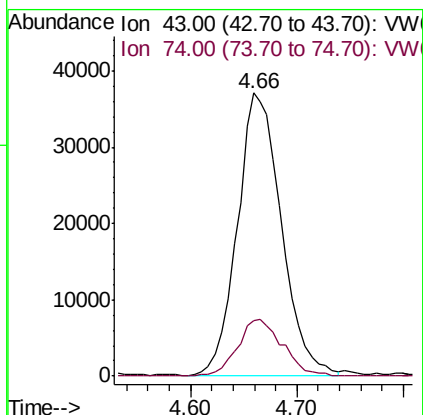
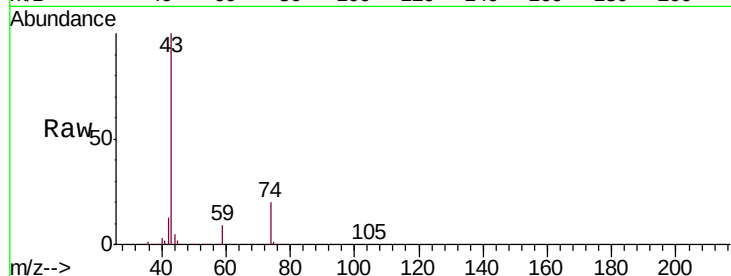
VSTD02501

Tgt Ion: 43 Resp: 106777

Ion Ratio Lower Upper

43 100

74 20.7 17.2 25.8



#16

Methylene chloride

Concen: 20.525 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

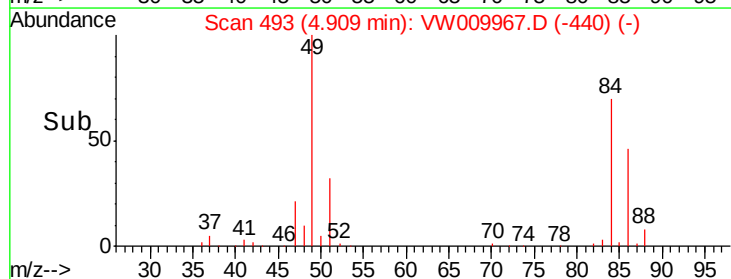
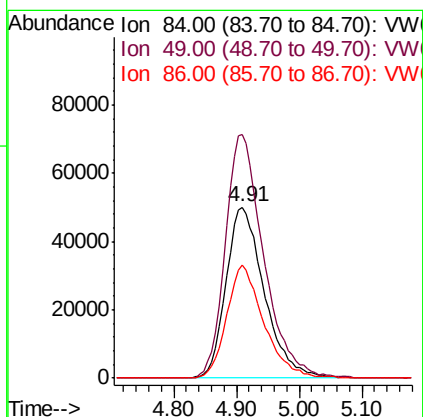
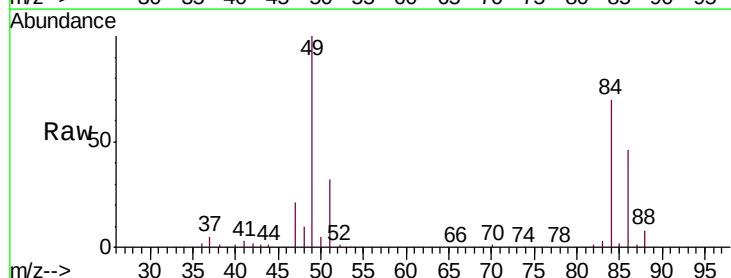
Tgt Ion: 84 Resp: 211577

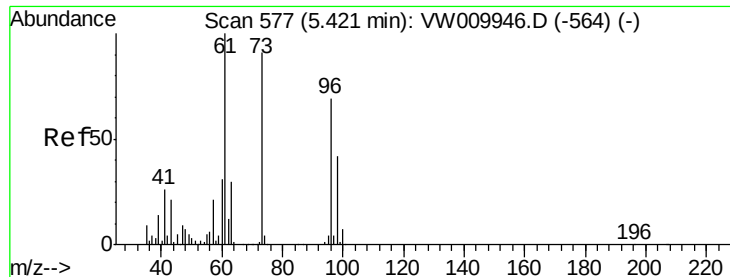
Ion Ratio Lower Upper

84 100

49 142.5 98.3 182.5

86 66.0 46.4 86.2

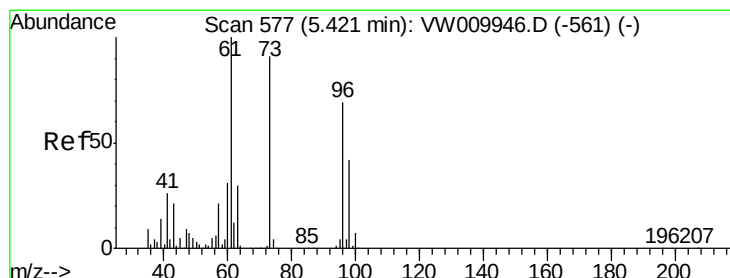
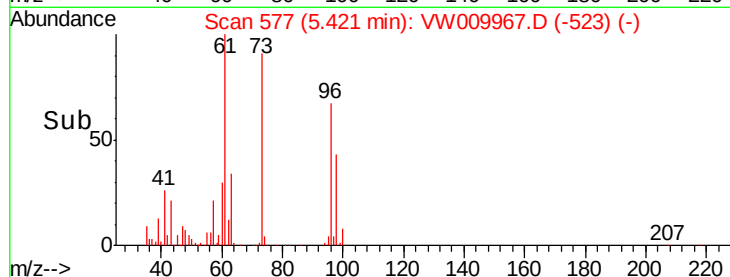
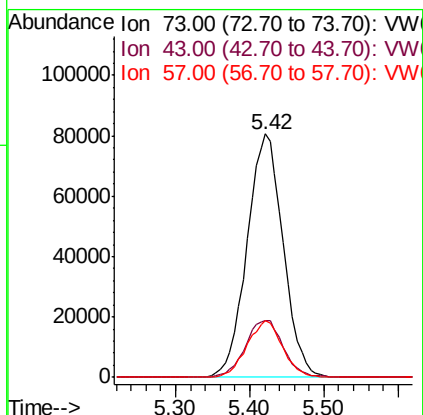
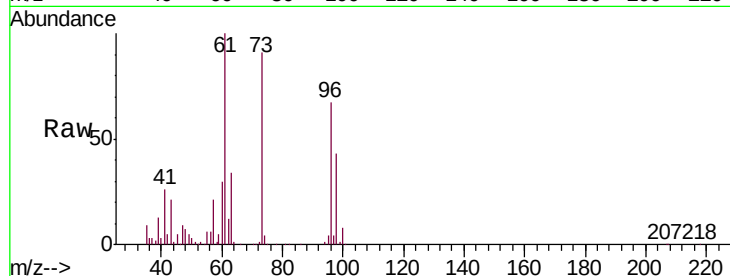




#17
Methyl tert-butyl Ether
Concen: 25.578 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

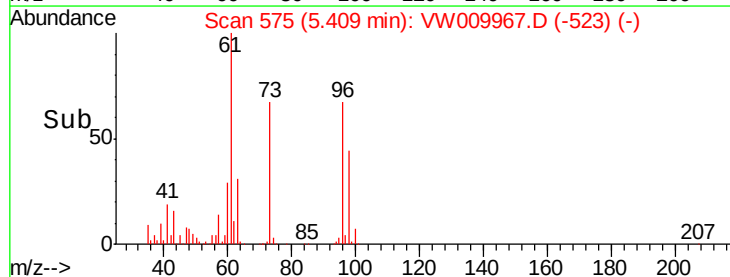
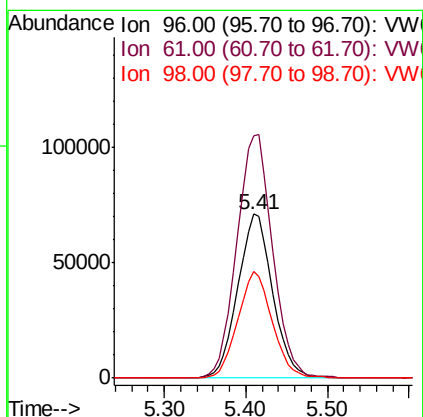
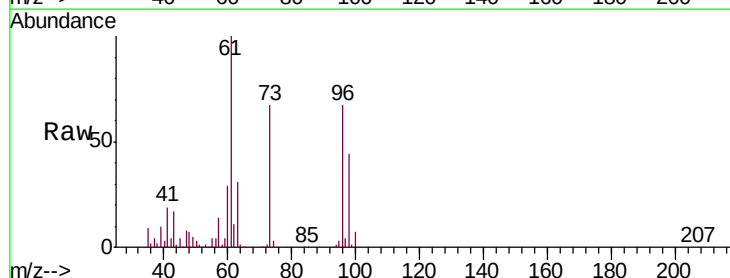
Instrument :
MSVOA_W
ClientSampled :
VSTD02501

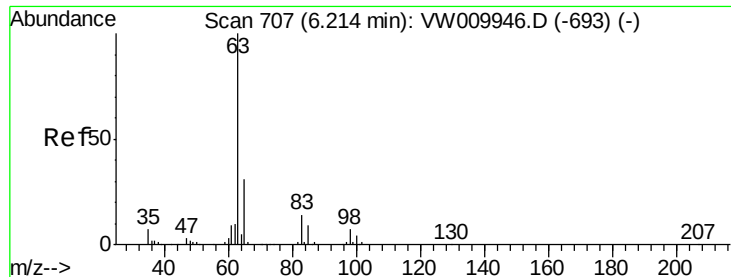
Tgt Ion: 73 Resp: 273545
Ion Ratio Lower Upper
73 100
43 24.6 20.2 30.2
57 23.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 26.139 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

Tgt Ion: 96 Resp: 211044
Ion Ratio Lower Upper
96 100
61 148.2 103.7 192.5
98 64.9 43.7 81.1

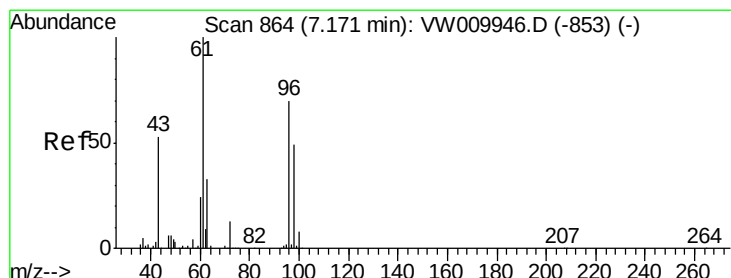
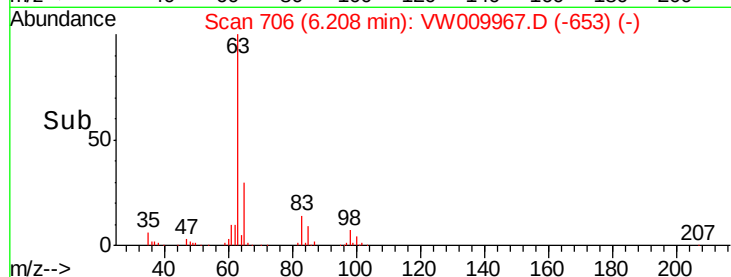
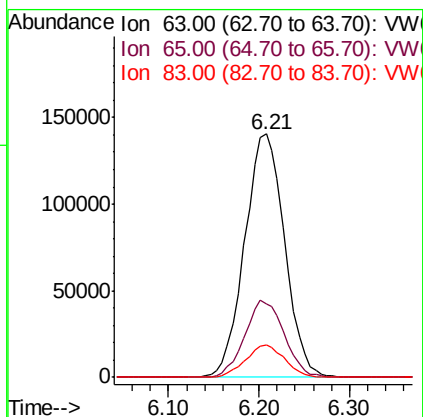
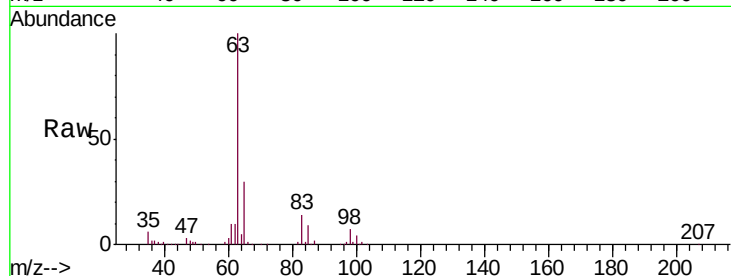




#19
 1,1-Dichloroethane
 Concen: 27.657 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

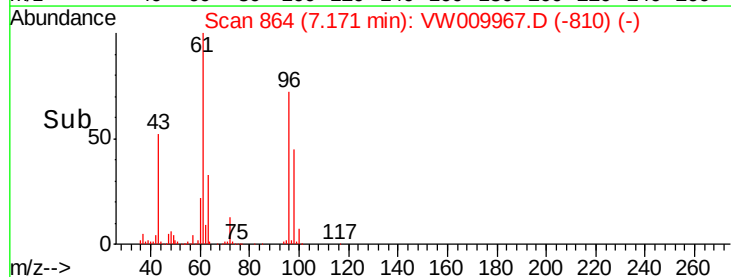
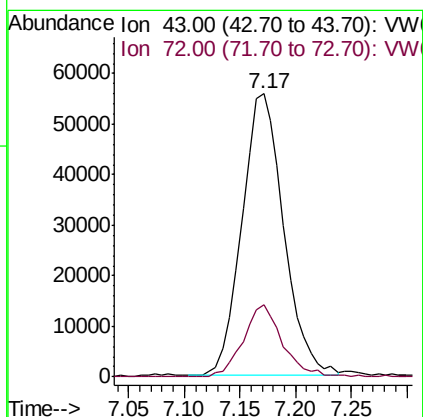
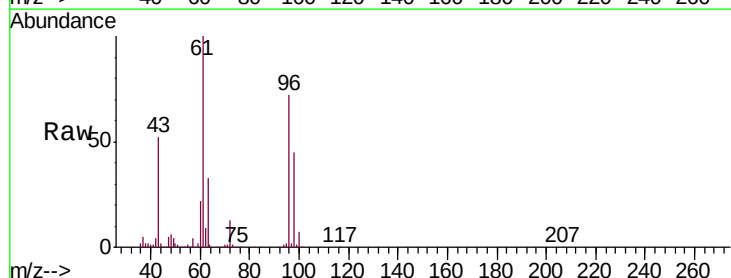
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

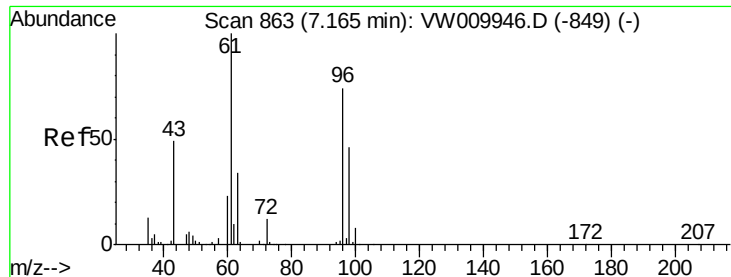
Tgt Ion: 63 Resp: 428519
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.6 42.0
 83 13.6 9.8 18.2



#21
 2-Butanone
 Concen: 43.141 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

Tgt Ion: 43 Resp: 145991
 Ion Ratio Lower Upper
 43 100
 72 23.8 12.0 36.1



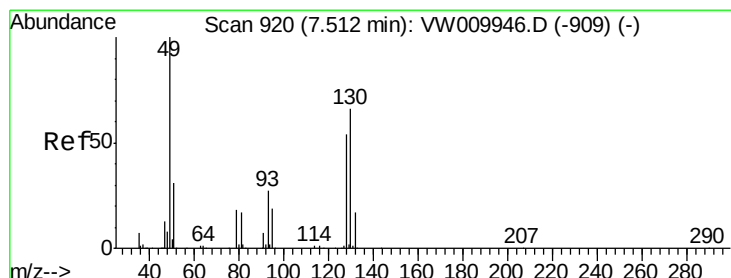
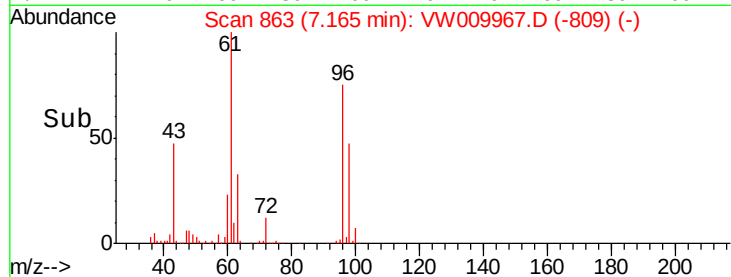
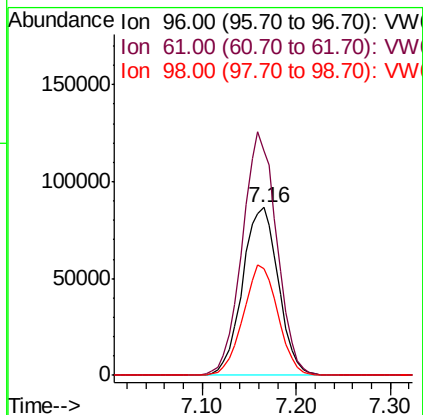
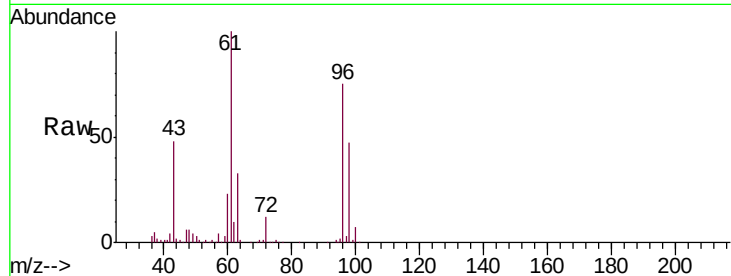


#22

cis-1,2-Dichloroethene
 Concen: 26.844 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

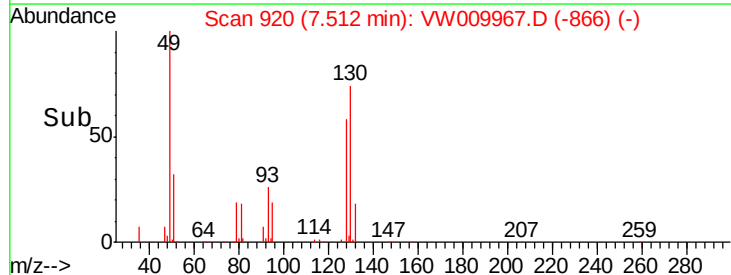
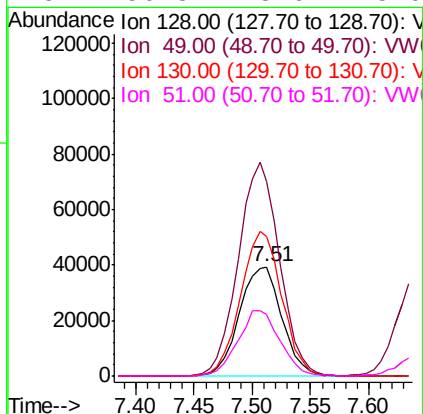
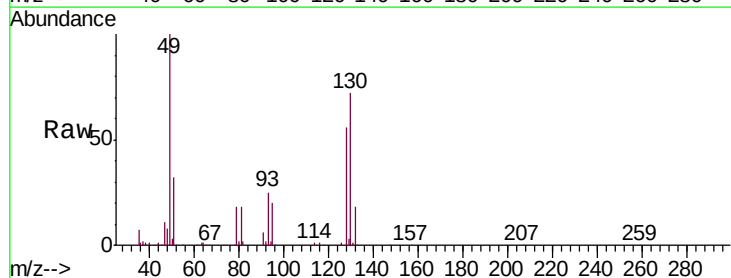
Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.7	96.8	179.8
98	63.4	43.5	80.9

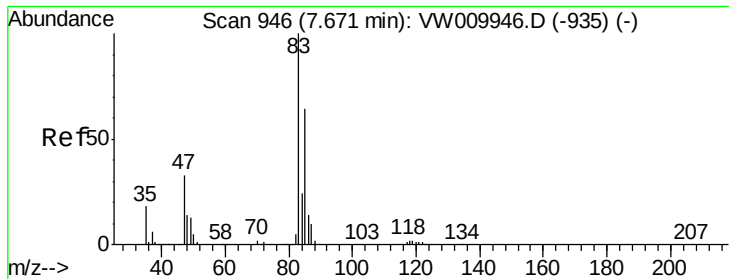


#23

Bromochloromethane
 Concen: 25.255 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

Tgt Ion	Ratio	Lower	Upper
128	100		
49	178.8	132.6	246.2
130	128.4	95.5	177.4
51	56.8	48.6	73.0

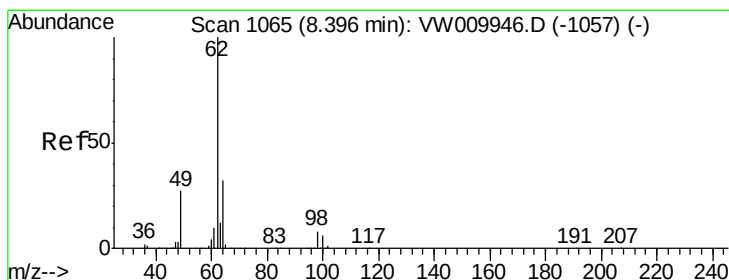
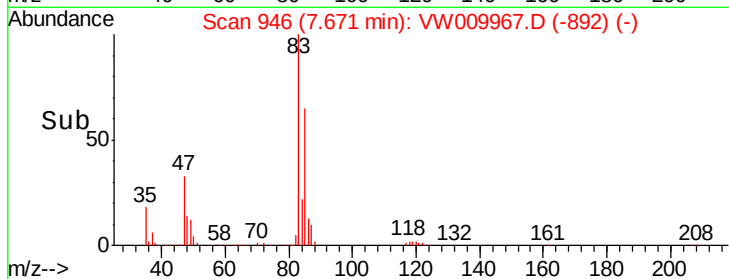
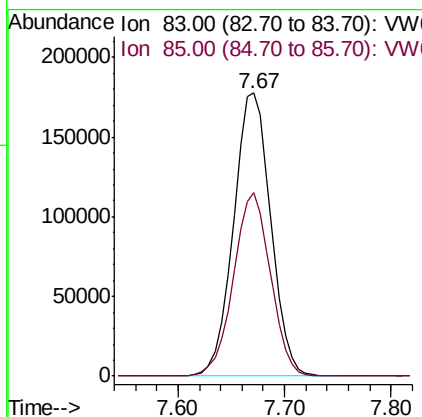
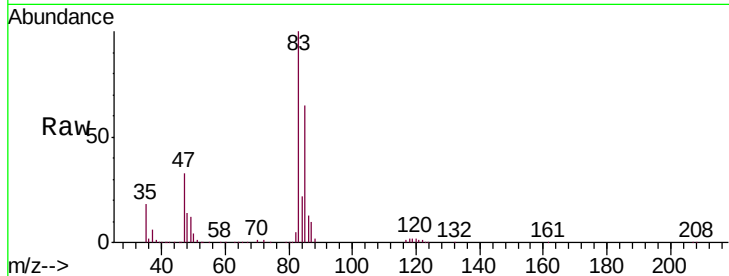




#25
Chloroform
Concen: 26.808 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

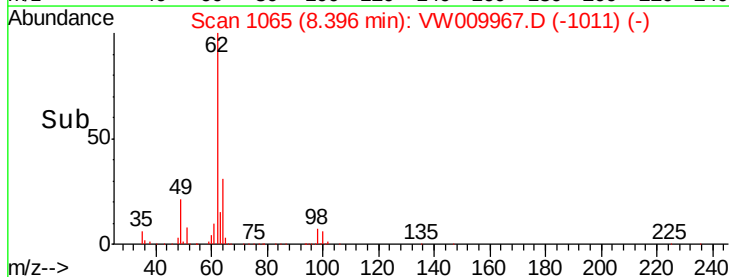
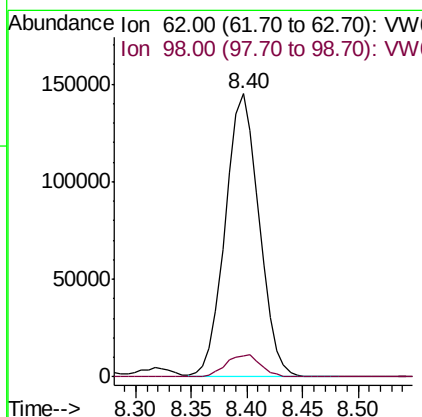
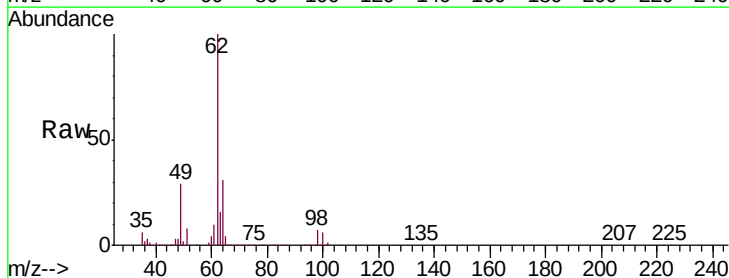
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

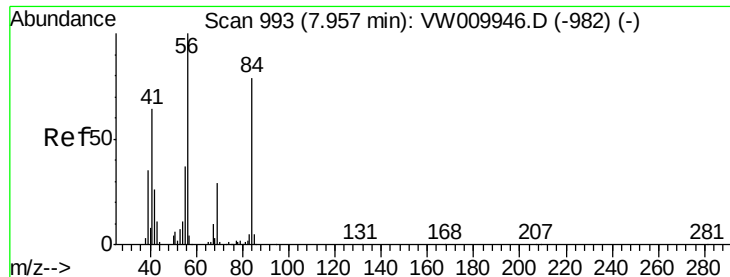
Tgt Ion: 83 Resp: 435086
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.968 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

Tgt Ion: 62 Resp: 306484
Ion Ratio Lower Upper
62 100
98 7.3 7.0 10.4

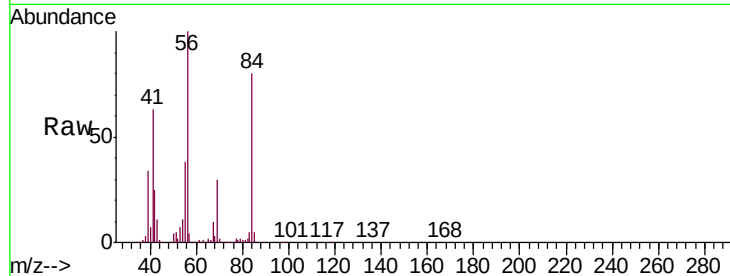




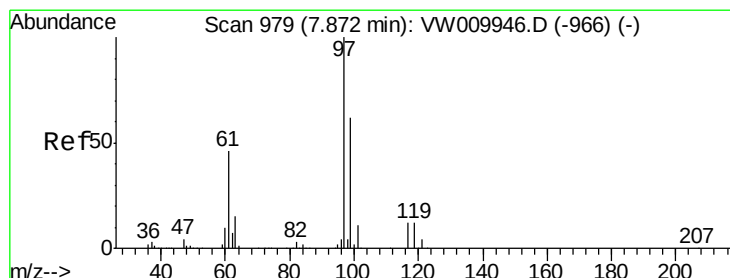
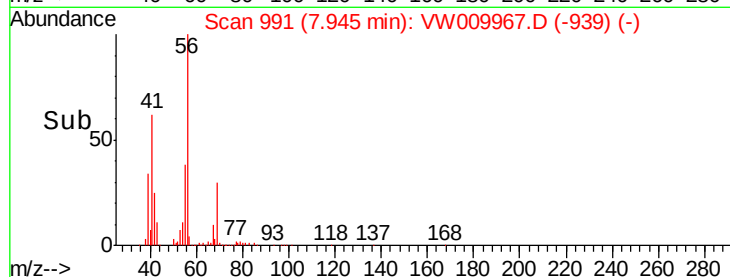
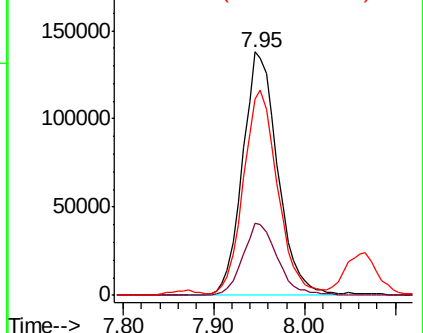
#30
Cyclohexane
Concen: 29.059 ug/L
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Tgt Ion: 56 Resp: 369734
Ion Ratio Lower Upper
56 100
69 29.2 23.4 35.2
84 82.7 67.7 101.5

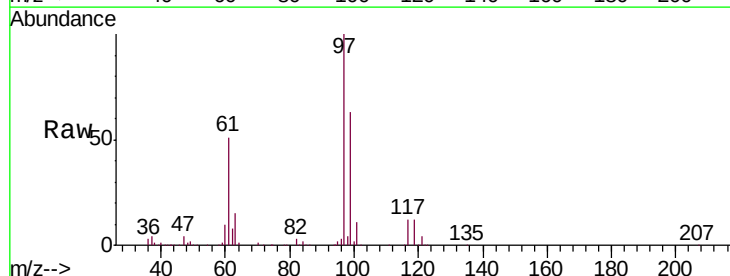


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

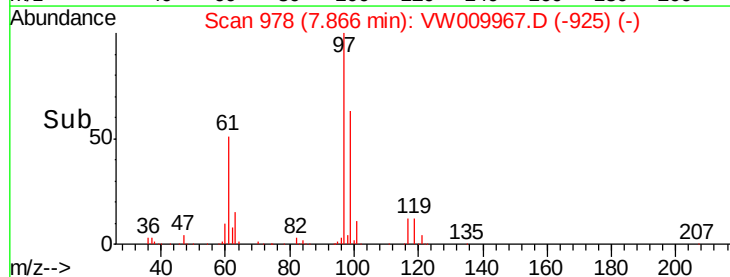
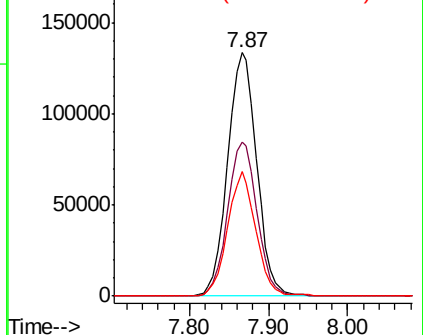


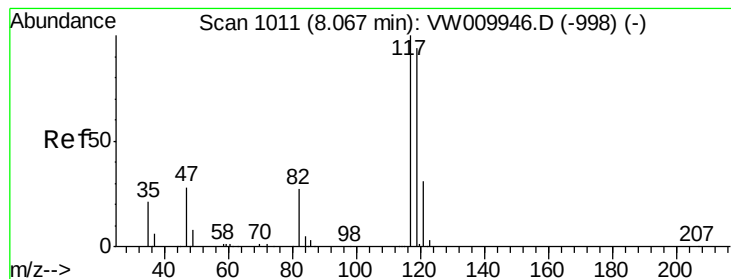
#31
1,1,1-Trichloroethane
Concen: 28.059 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

Tgt Ion: 97 Resp: 343134
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 49.5 38.6 57.8



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





#32

Carbon tetrachloride

Concen: 27.619 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampled :

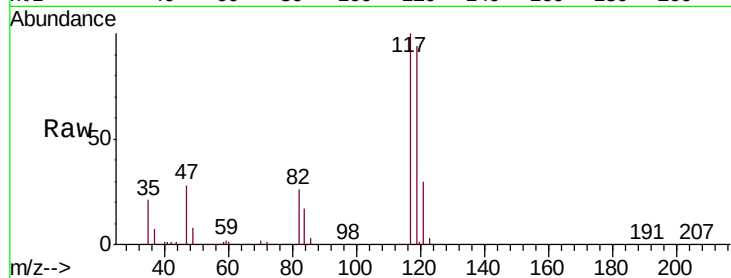
VSTD02501

Tgt Ion:117 Resp: 338621

Ion Ratio Lower Upper

117 100

119 96.2 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

100000

50000

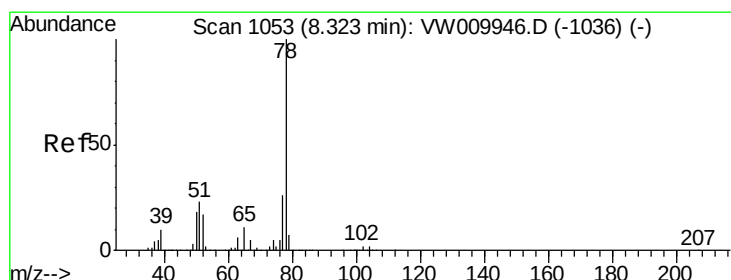
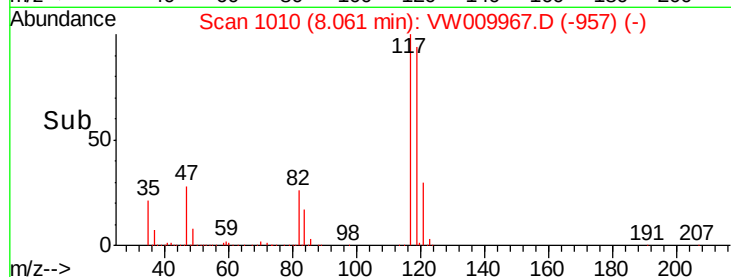
0

8.06

8.10

8.20

Time-->



#34

Benzene

Concen: 28.072 ug/L

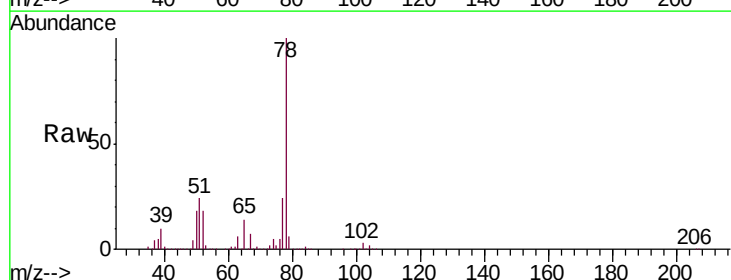
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Tgt Ion: 78 Resp: 910483



Abundance Ion 78.00 (77.70 to 78.70): VW

400000

300000

200000

100000

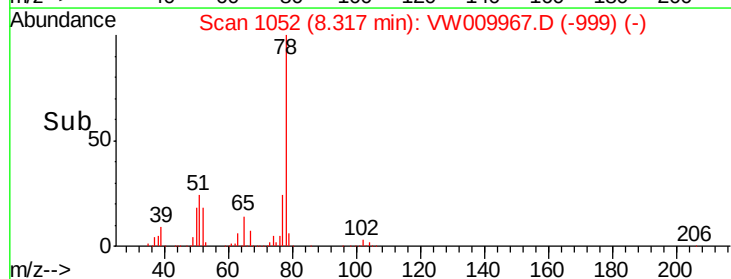
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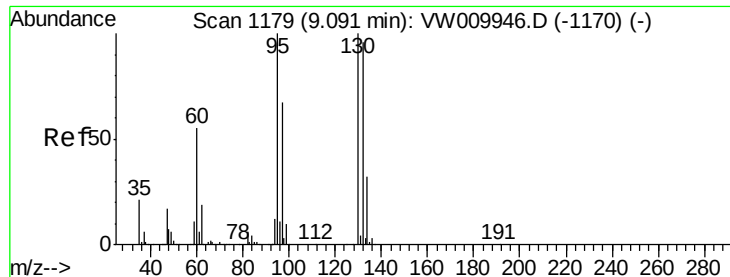
8.32

8.30

8.40

Time-->





#35

Trichloroethene

Concen: 27.770 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tgt Ion: 95 Resp: 235711

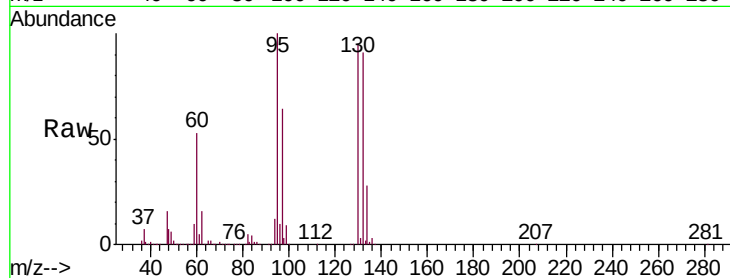
Ion Ratio Lower Upper

95 100

97 64.1 44.9 83.5

132 94.3 67.1 124.7

130 97.9 69.2 128.6

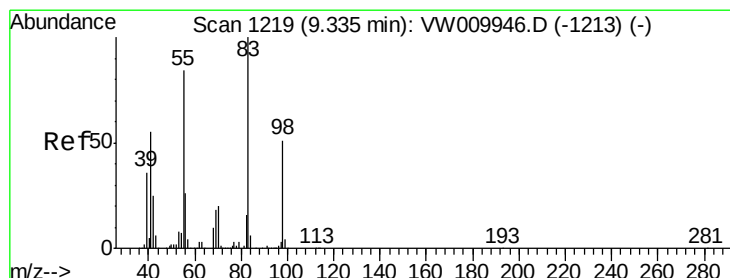
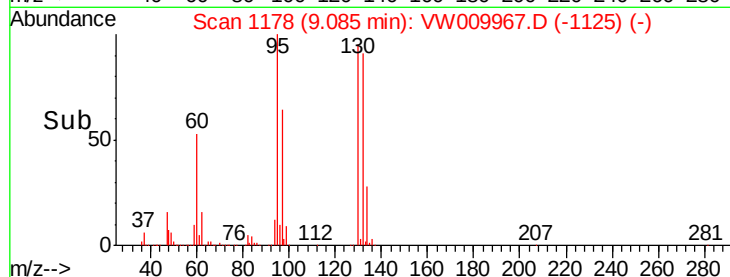
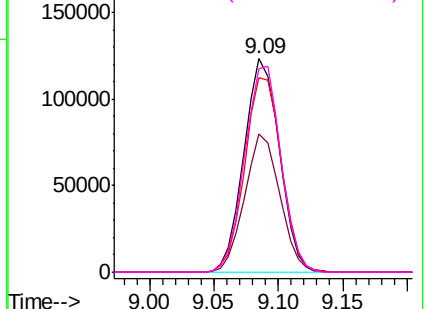


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 28.761 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

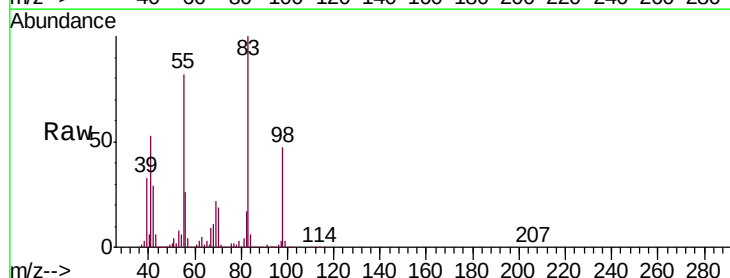
Tgt Ion: 83 Resp: 401351

Ion Ratio Lower Upper

83 100

55 83.4 66.3 99.5

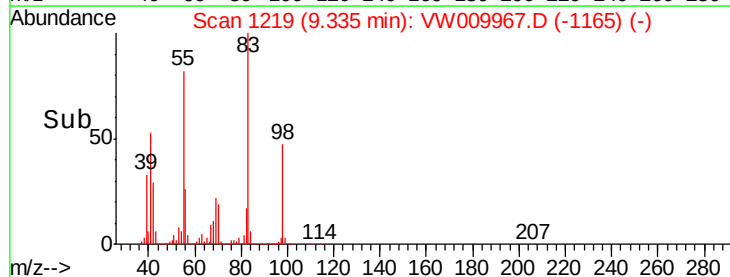
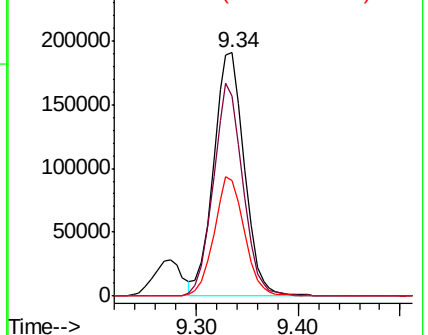
98 48.3 39.4 59.0

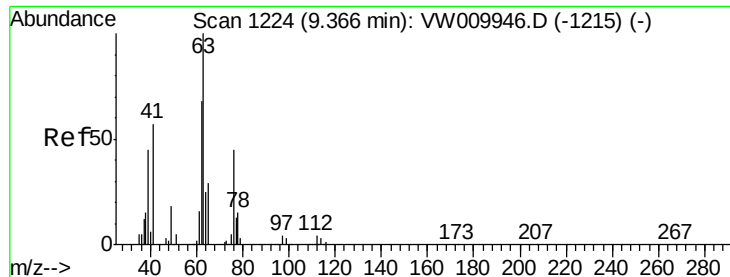


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

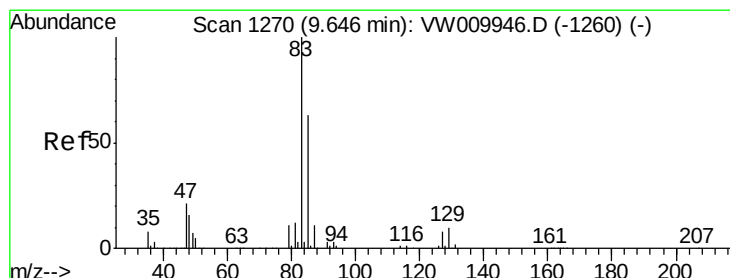
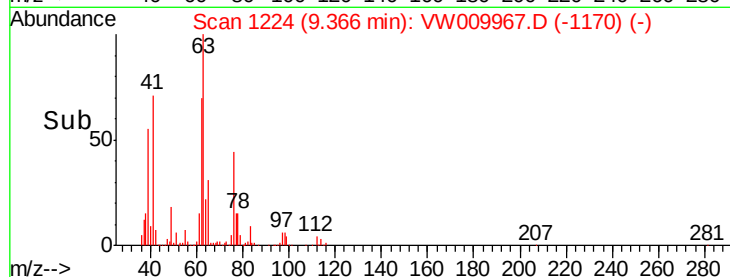
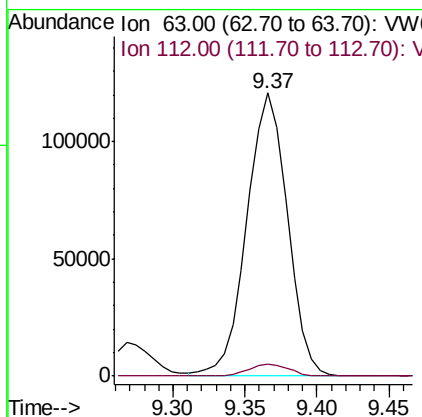
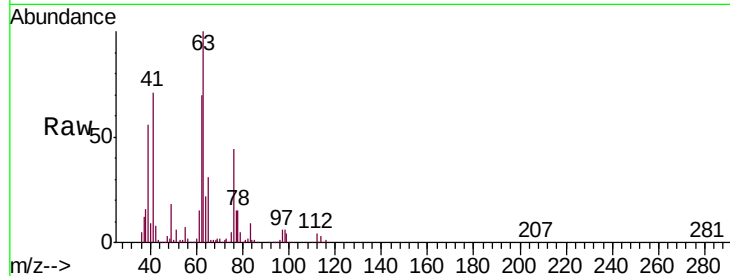




#40
 1,2-Dichloropropane
 Concen: 28.397 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

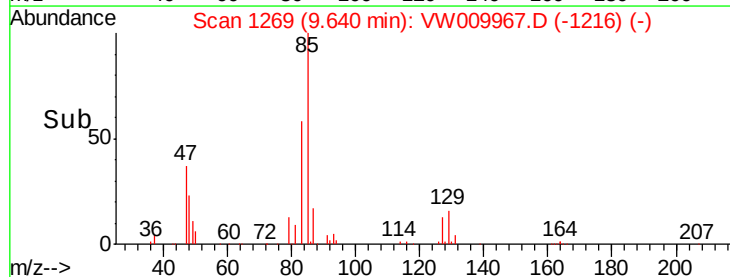
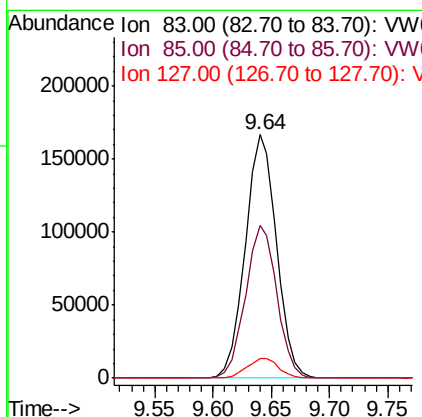
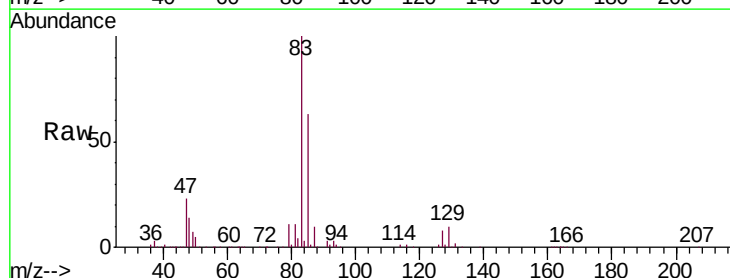
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

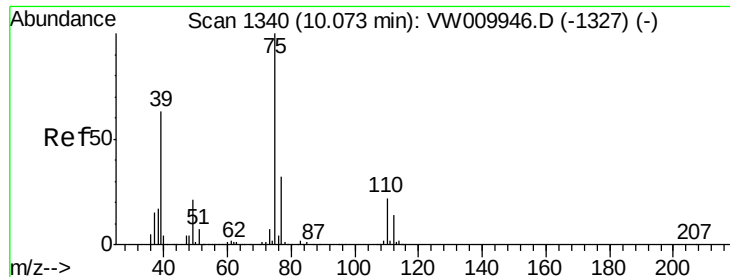
Tgt Ion: 63 Resp: 235764
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.8



#41
 Bromodichloromethane
 Concen: 27.122 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

Tgt Ion: 83 Resp: 310713
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.0 83.6
 127 8.0 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 27.754 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

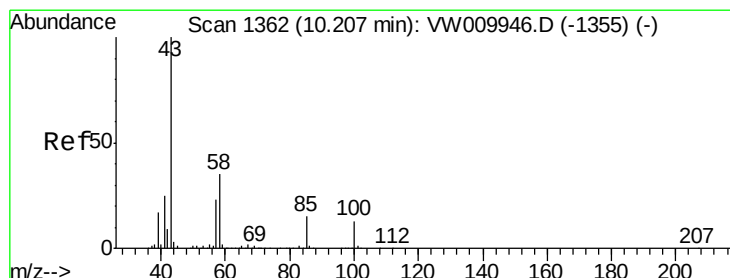
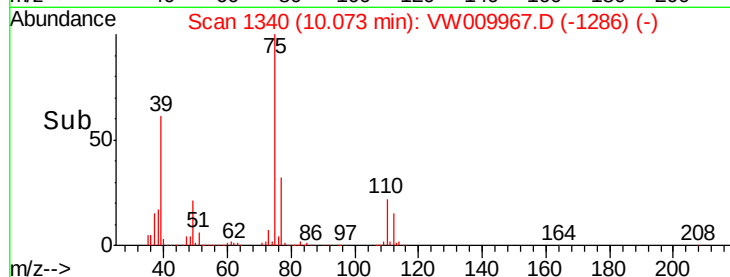
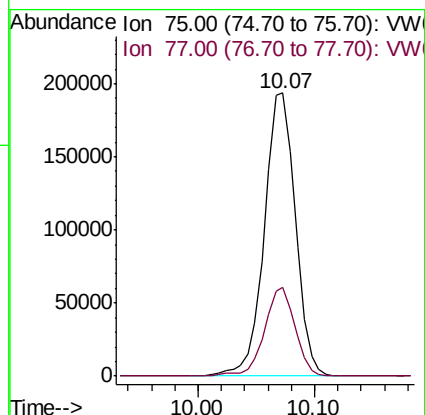
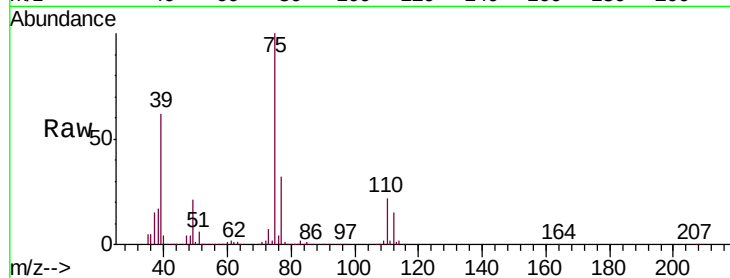
VSTD02501

Tgt Ion: 75 Resp: 356987

Ion Ratio Lower Upper

75 100

77 31.6 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 48.535 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

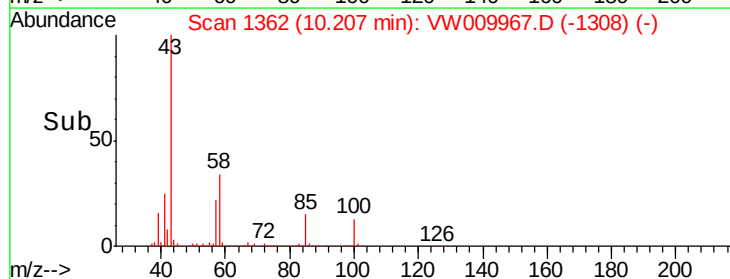
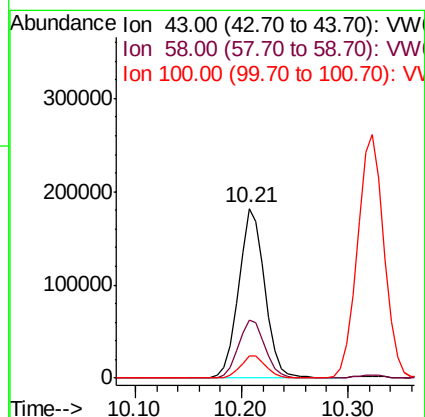
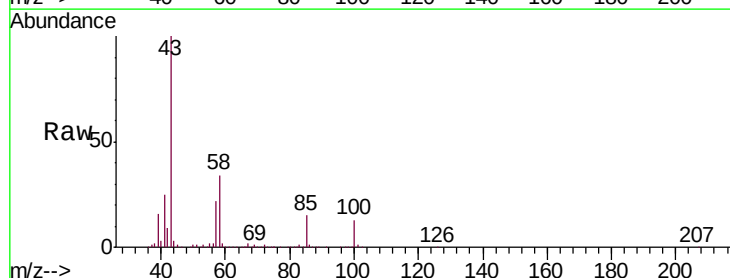
Tgt Ion: 43 Resp: 313009

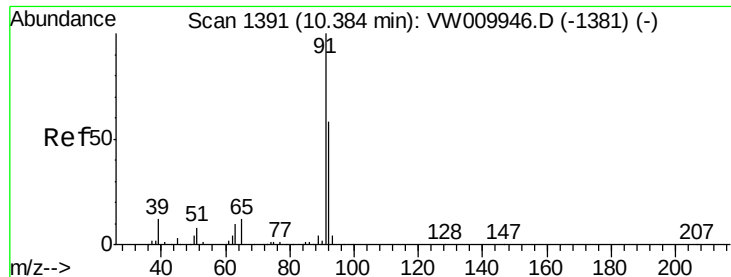
Ion Ratio Lower Upper

43 100

58 34.6 28.2 42.4

100 13.1 10.9 16.3





#44

Toluene

Concen: 28.268 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampled :

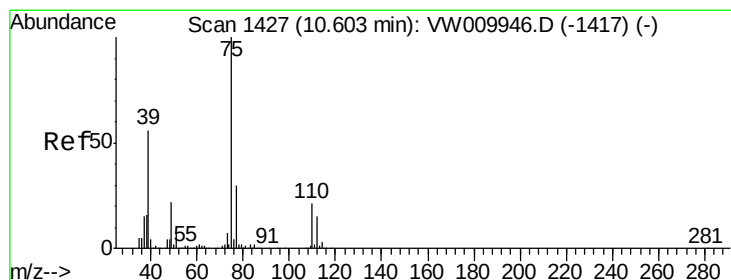
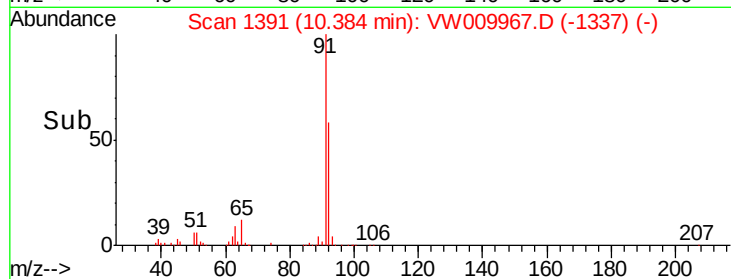
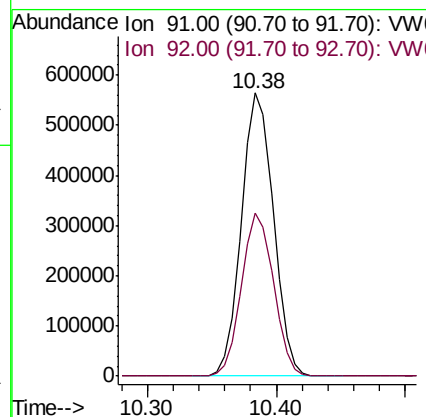
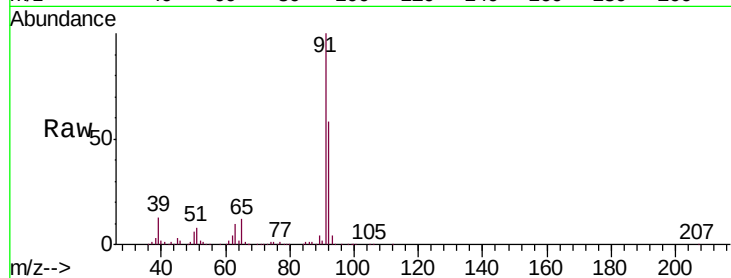
VSTD02501

Tgt Ion: 91 Resp: 971251

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 27.239 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009967.D

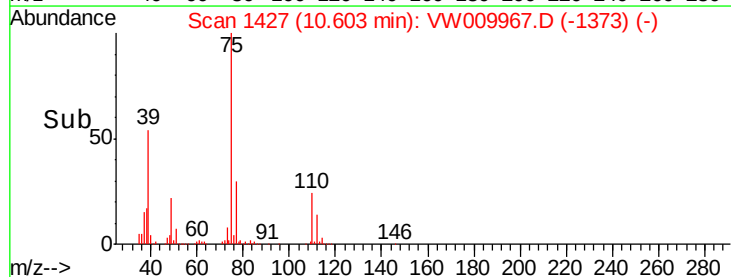
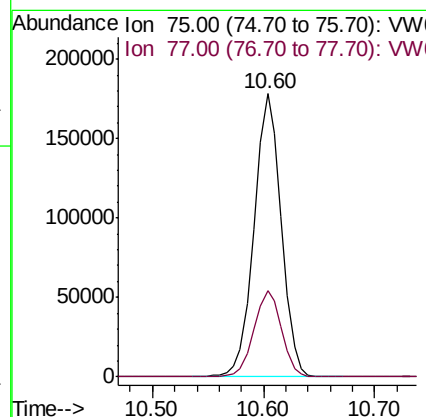
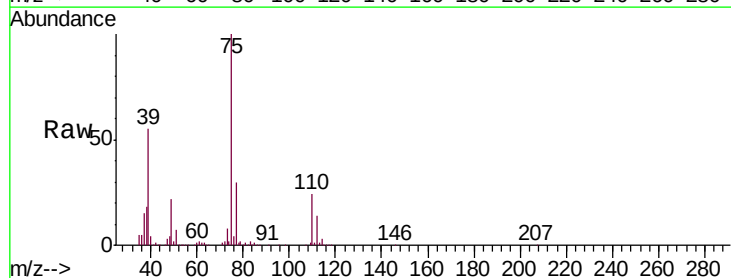
Acq: 13 Apr 2019 10:42

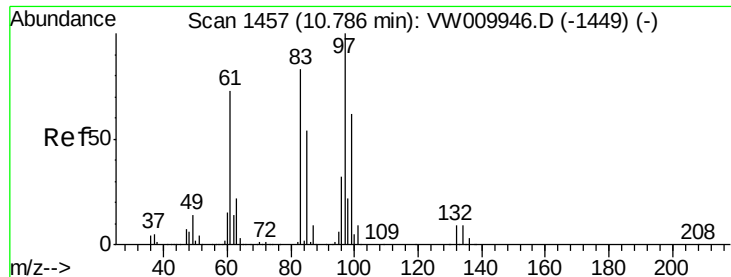
Tgt Ion: 75 Resp: 302060

Ion Ratio Lower Upper

75 100

77 30.4 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 26.097 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tgt Ion: 97 Resp: 162630

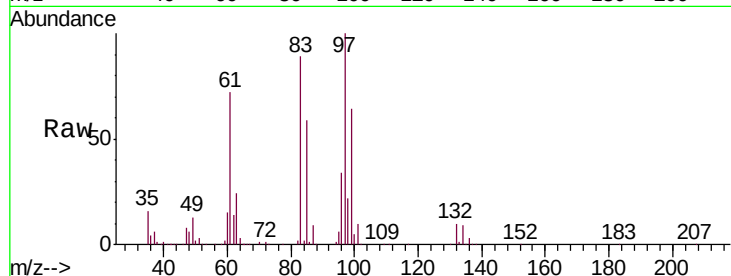
Ion Ratio Lower Upper

97 100

83 88.9 57.3 106.3

85 58.9 38.1 70.7

99 63.8 40.9 75.9

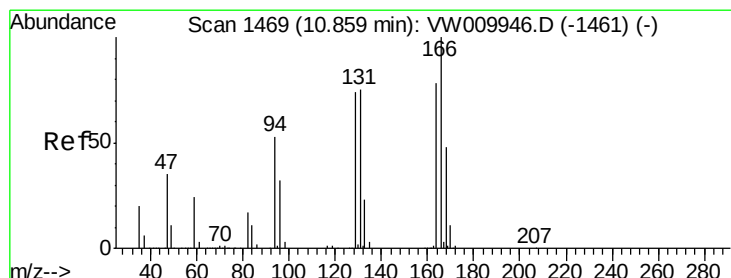
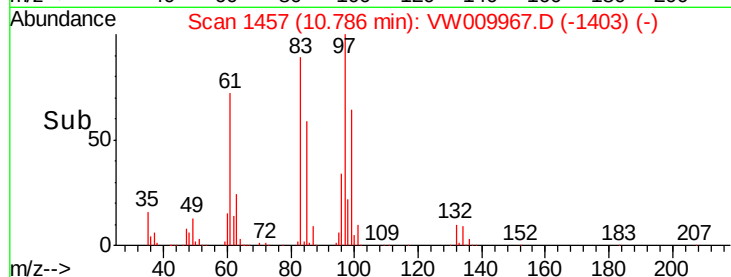
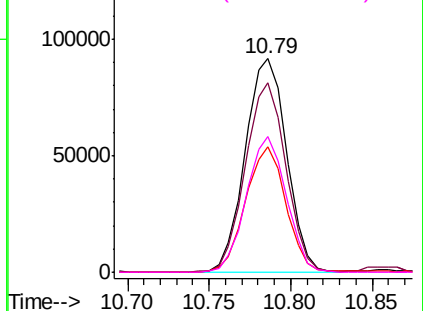


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 27.174 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Tgt Ion: 164 Resp: 181661

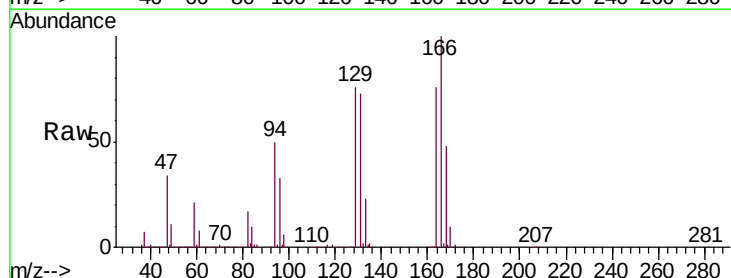
Ion Ratio Lower Upper

164 100

129 99.7 68.9 127.9

131 95.7 63.1 117.1

166 130.9 88.5 164.4

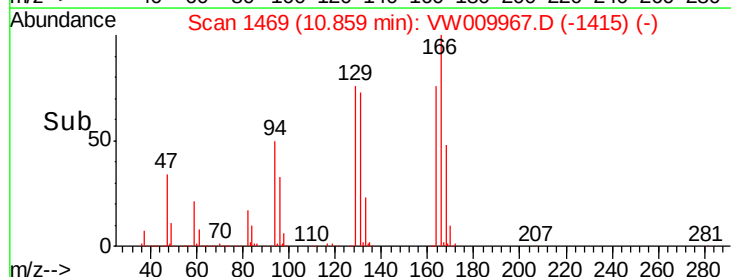
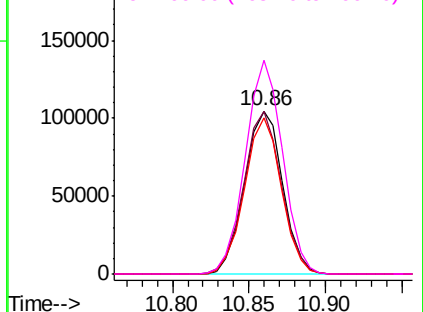


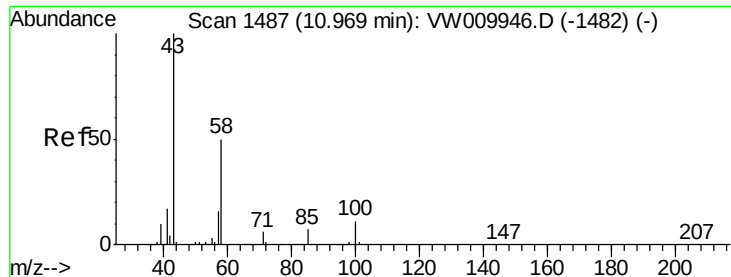
Abundance Ion 164.00 (163.70 to 164.70): V

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

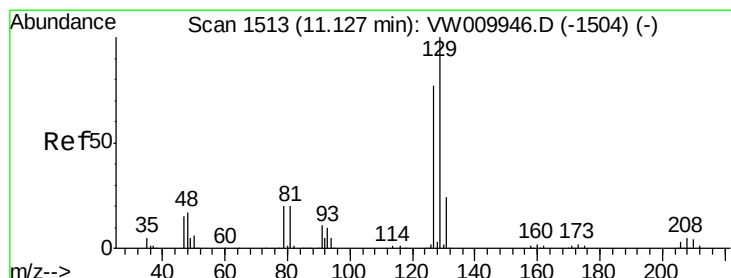
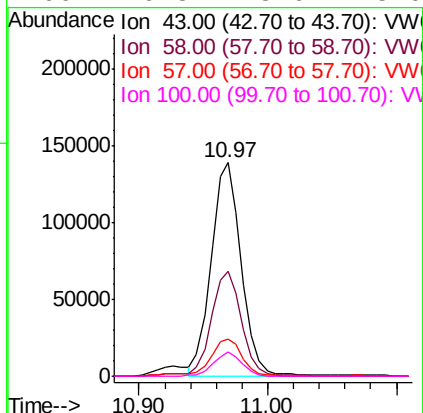
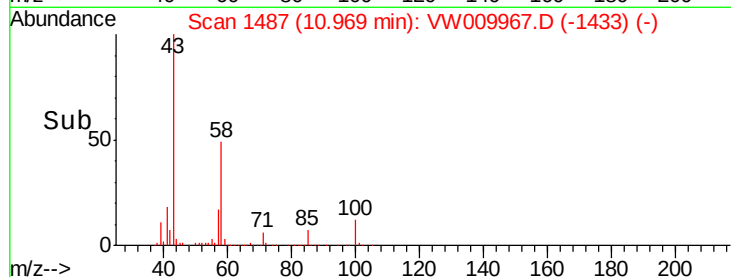
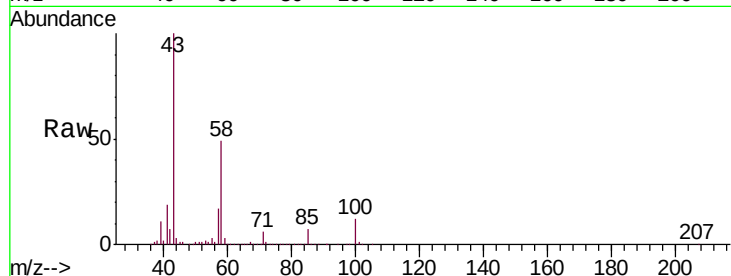




#49
2-Hexanone
Concen: 47.448 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

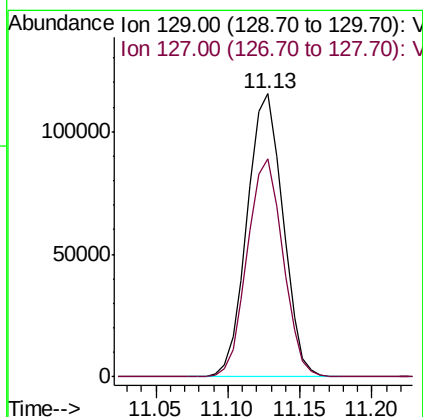
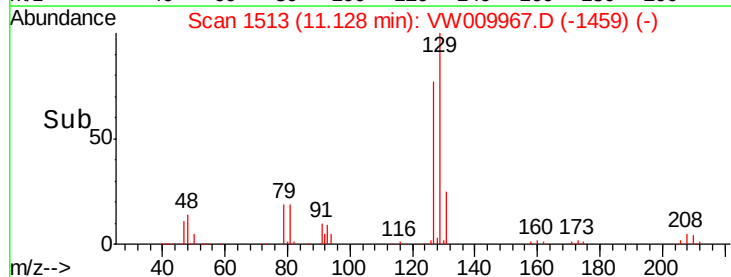
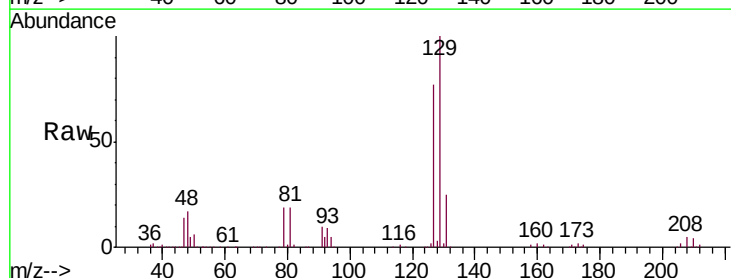
Instrument :
MSVOA_W
ClientSampled :
VSTD02501

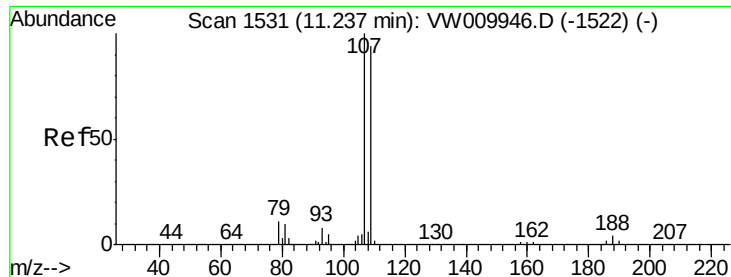
Tgt Ion: 43 Resp: 227847
Ion Ratio Lower Upper
43 100
58 49.1 38.9 58.3
57 17.8 13.8 20.6
100 10.8 8.6 13.0



#50
Dibromochloromethane
Concen: 26.007 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

Tgt Ion: 129 Resp: 199116
Ion Ratio Lower Upper
129 100
127 77.1 53.0 98.4

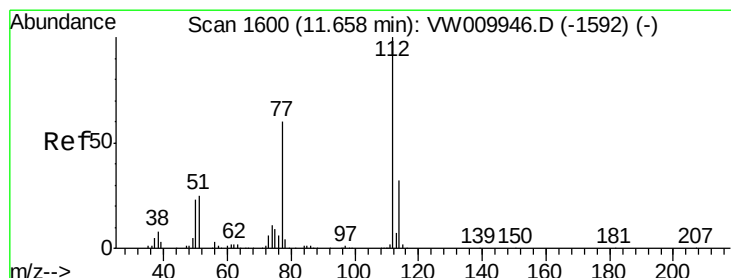
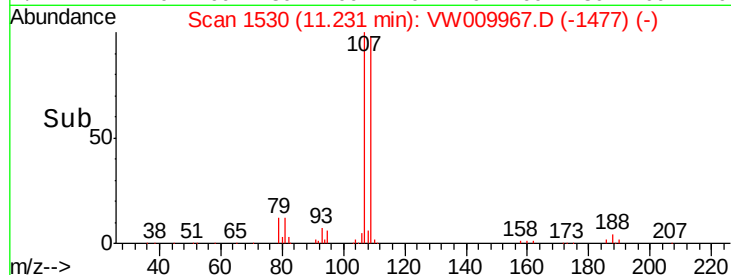
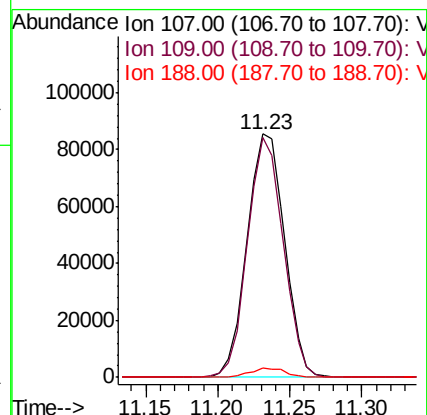
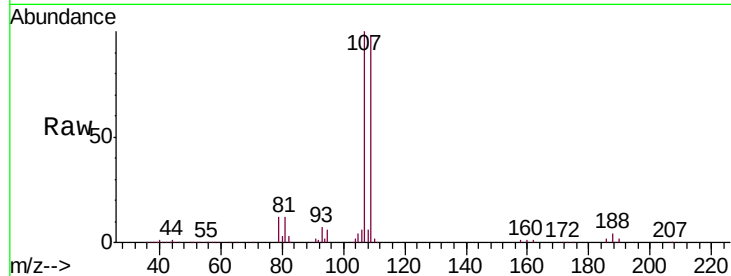




#51
 1,2-Dibromoethane
 Concen: 24.706 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

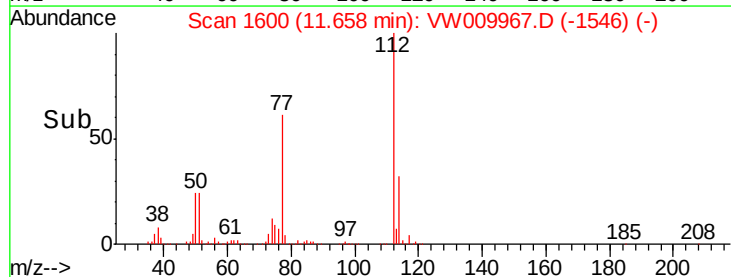
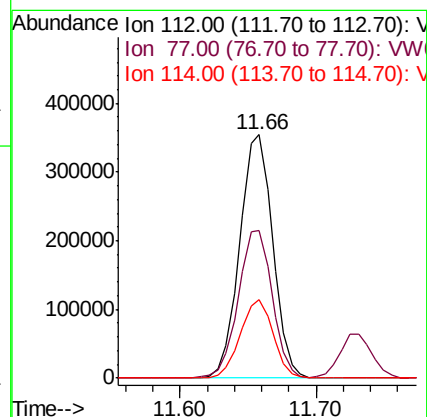
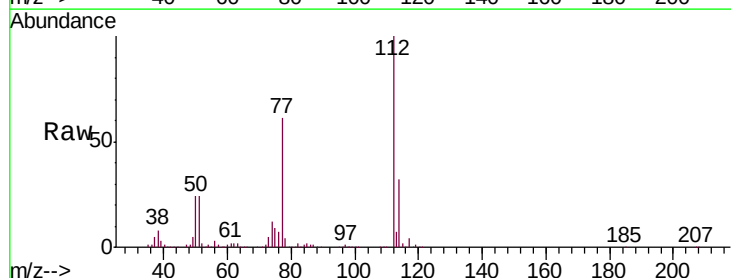
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02501

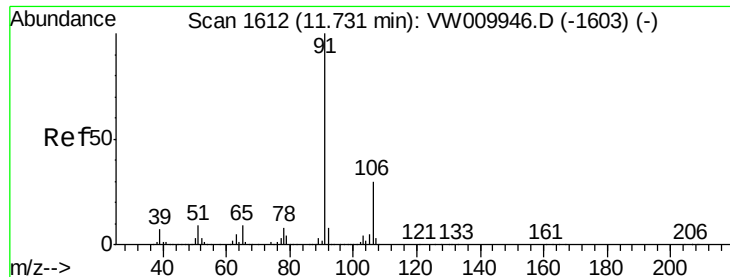
Tgt Ion:107 Resp: 154315
 Ion Ratio Lower Upper
 107 100
 109 98.4 65.4 121.4
 188 3.7 3.2 4.8



#52
 Chlorobenzene
 Concen: 27.146 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

Tgt Ion:112 Resp: 600369
 Ion Ratio Lower Upper
 112 100
 77 60.8 48.2 72.2
 114 32.0 23.0 42.6

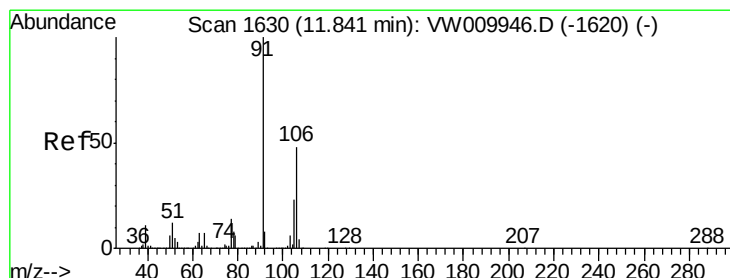
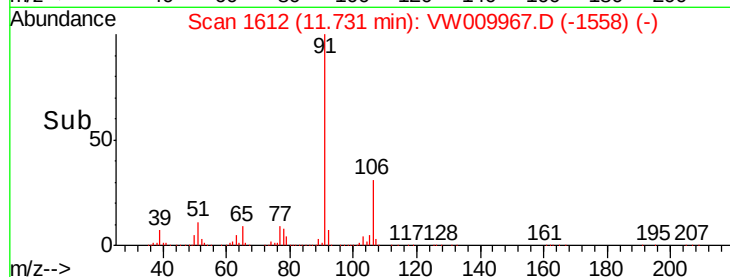
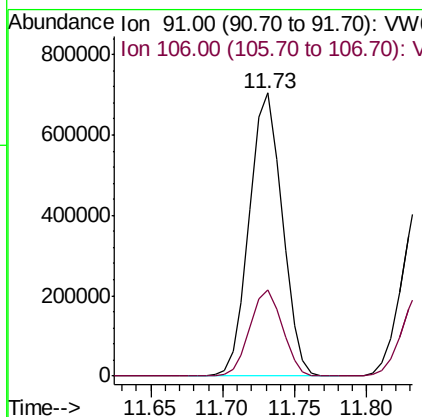
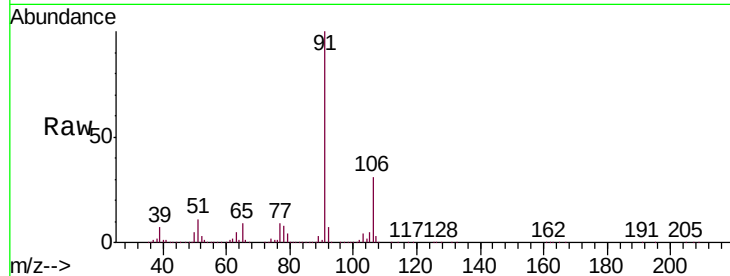




#53
Ethylbenzene
Concen: 28.557 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

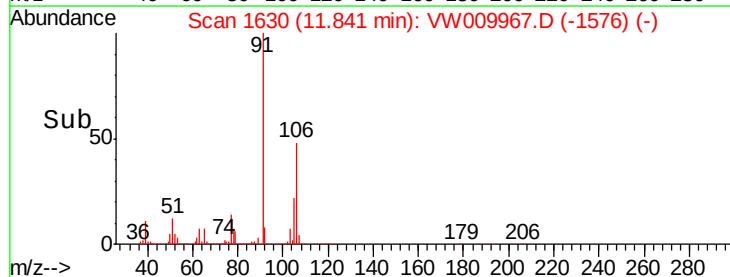
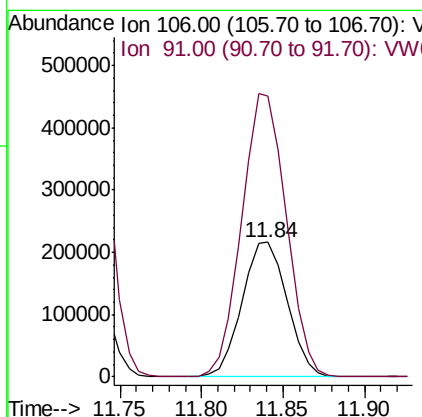
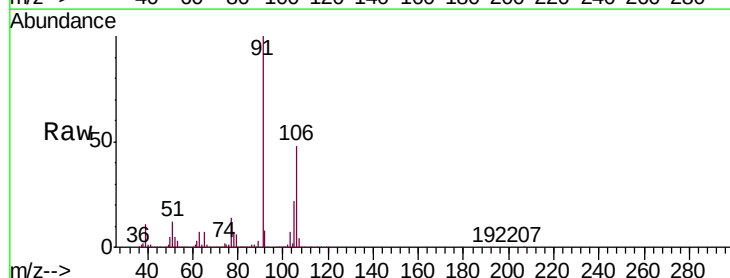
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

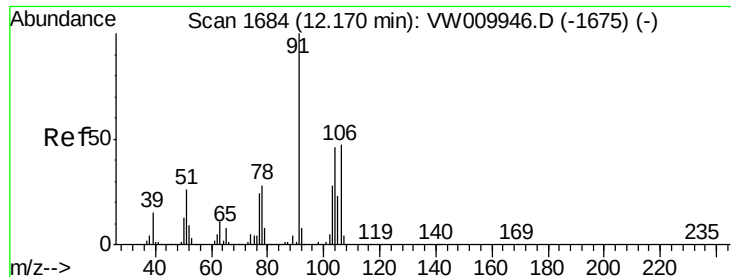
Tgt Ion: 91 Resp: 1117665
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#54
m,p-Xylene
Concen: 28.654 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009967.D
Acq: 13 Apr 2019 10:42

Tgt Ion: 106 Resp: 414801
Ion Ratio Lower Upper
106 100
91 208.6 145.3 269.9





#55

o-xylene

Concen: 28.346 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

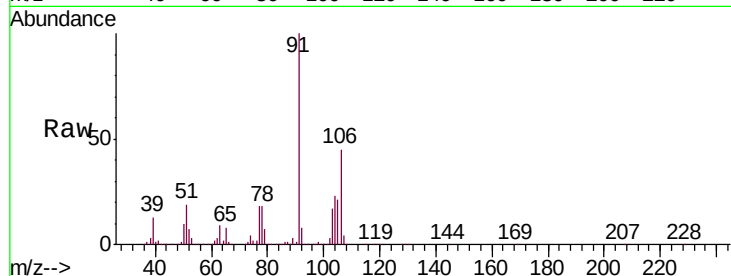
VSTD02501

Tgt Ion:106 Resp: 390807

Ion Ratio Lower Upper

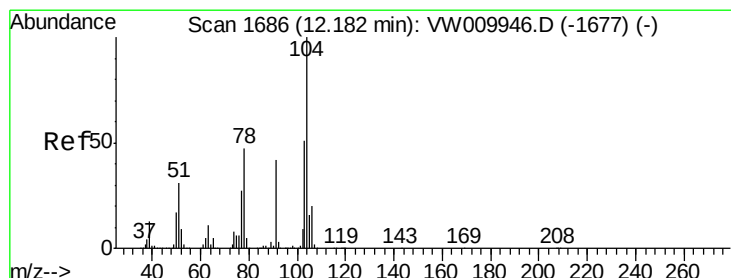
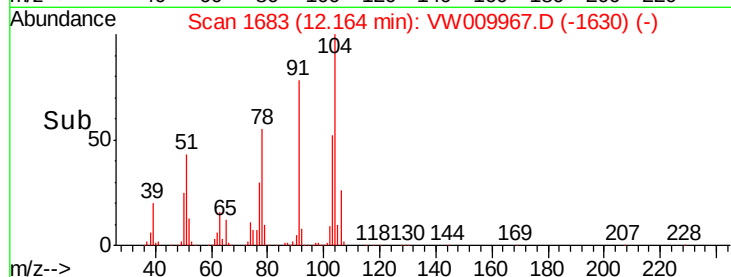
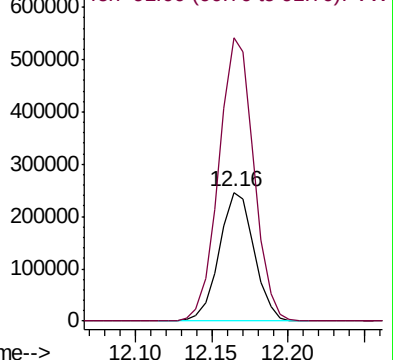
106 100

91 219.9 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.584 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009967.D

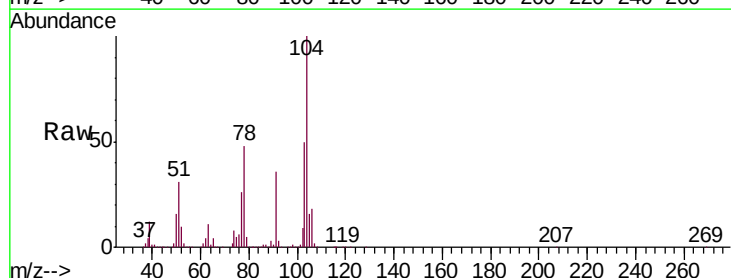
Acq: 13 Apr 2019 10:42

Tgt Ion:104 Resp: 683786

Ion Ratio Lower Upper

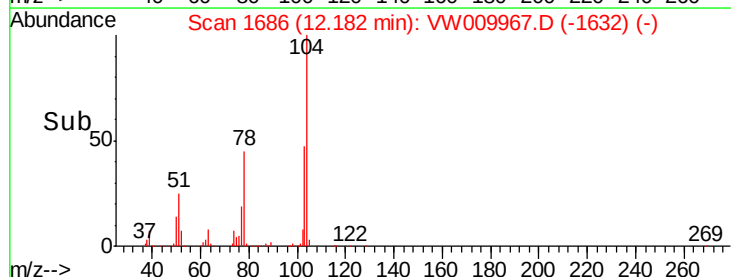
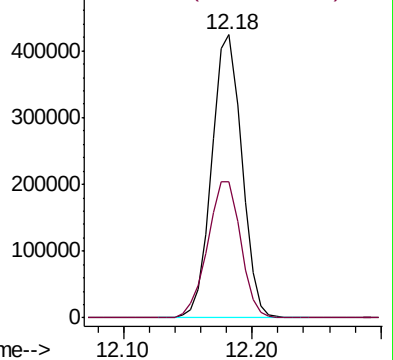
104 100

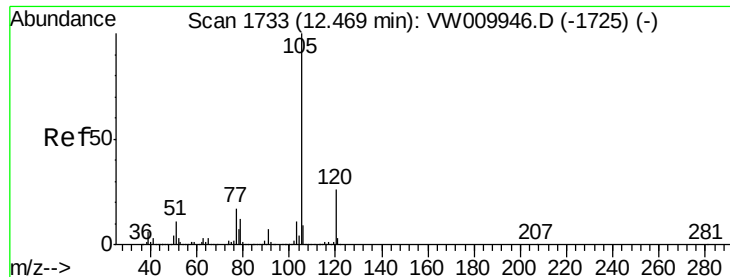
78 48.0 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 29.520 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampled :

VSTD02501

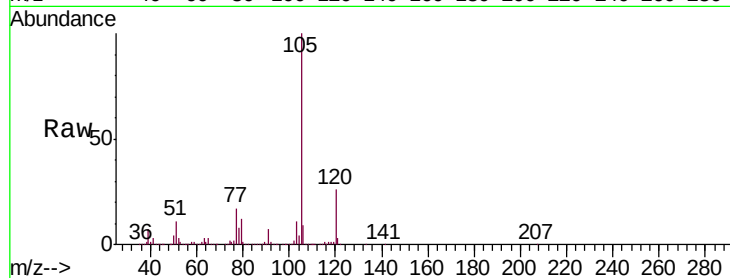
Tgt Ion:105 Resp: 1114425

Ion Ratio Lower Upper

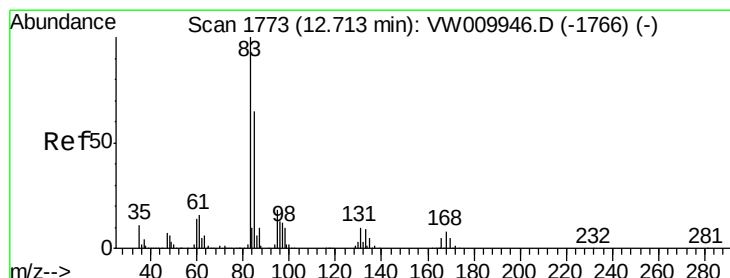
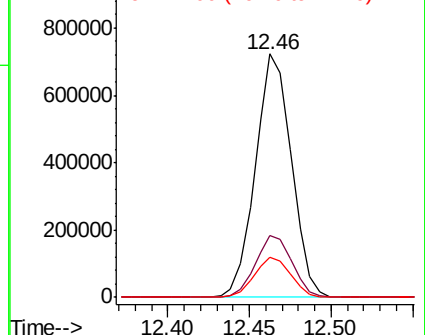
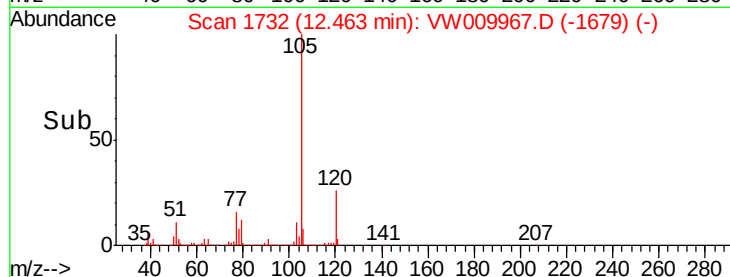
105 100

120 25.8 21.0 31.4

77 16.7 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.657 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

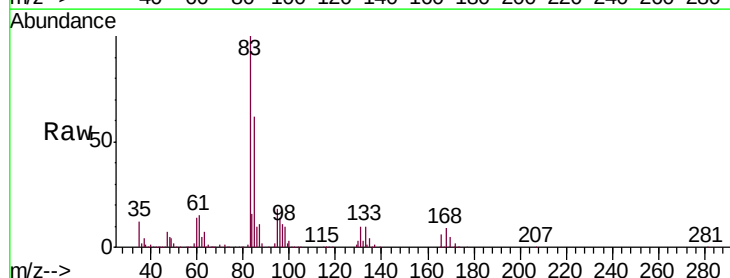
Tgt Ion: 83 Resp: 206623

Ion Ratio Lower Upper

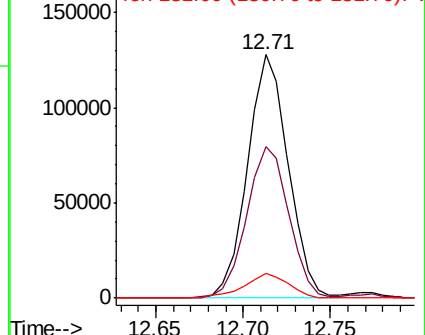
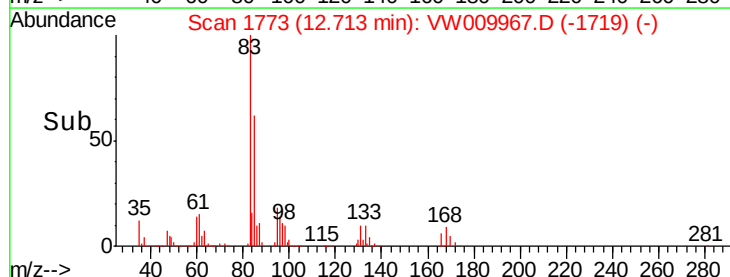
83 100

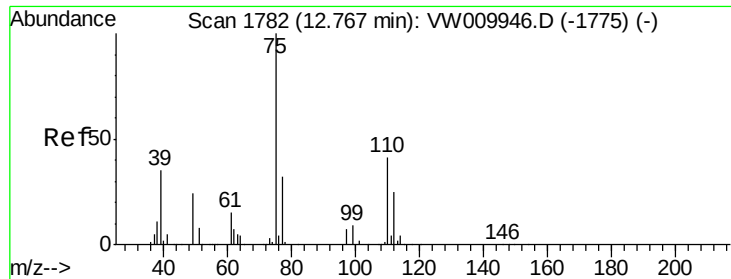
85 62.1 44.9 83.3

131 10.1 7.2 10.8



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: 24.296 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

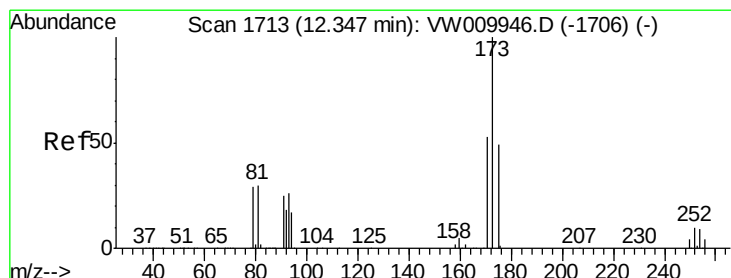
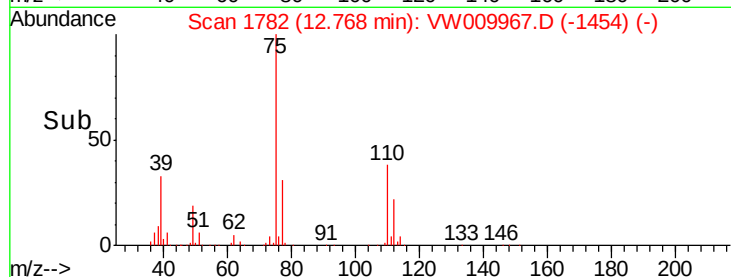
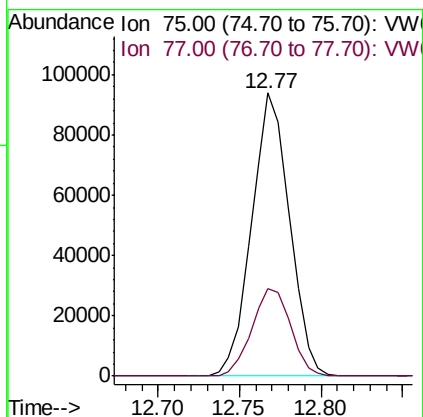
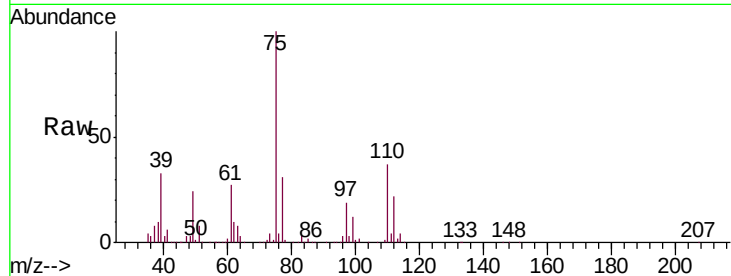
VSTD02501

Tgt Ion: 75 Resp: 151559

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2



#62

Bromoform

Concen: 23.464 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

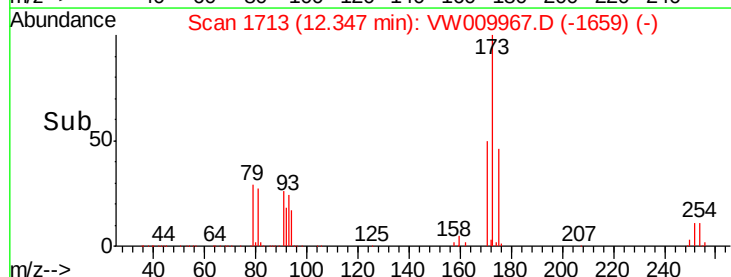
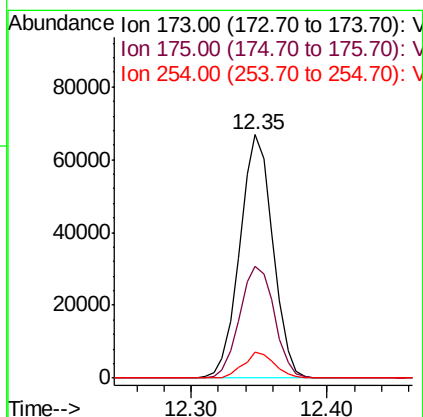
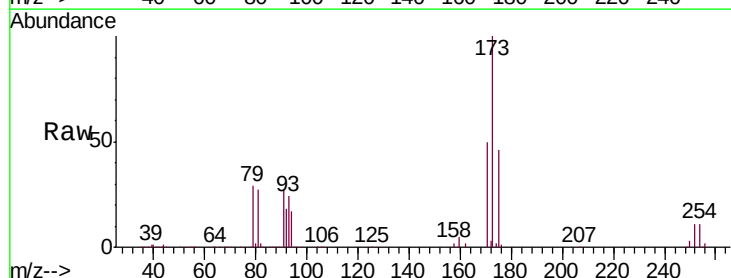
Tgt Ion: 173 Resp: 113358

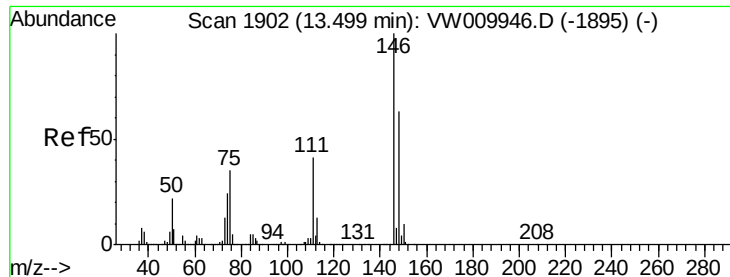
Ion Ratio Lower Upper

173 100

175 48.4 39.4 59.2

254 10.1 8.5 12.7

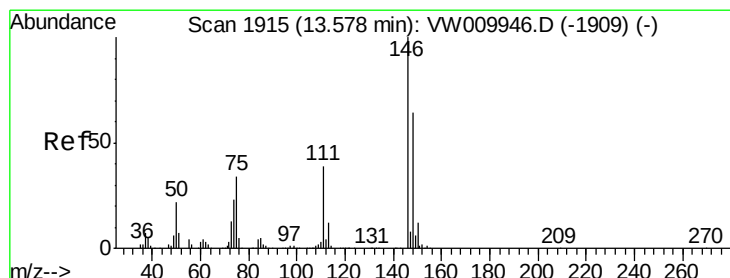
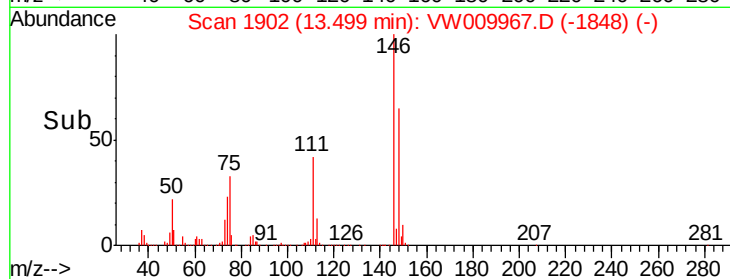
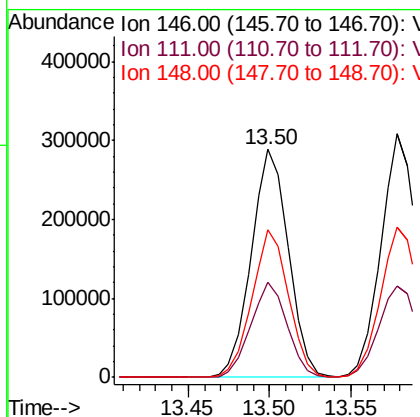
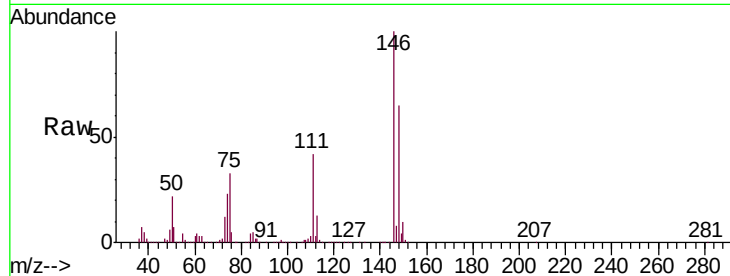




#63
 1,3-Dichlorobenzene
 Concen: 26.957 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

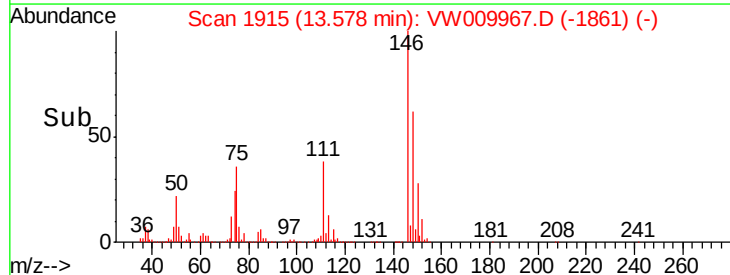
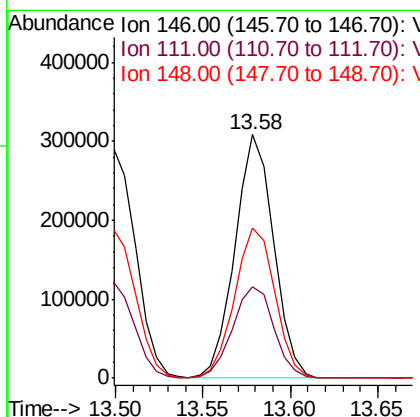
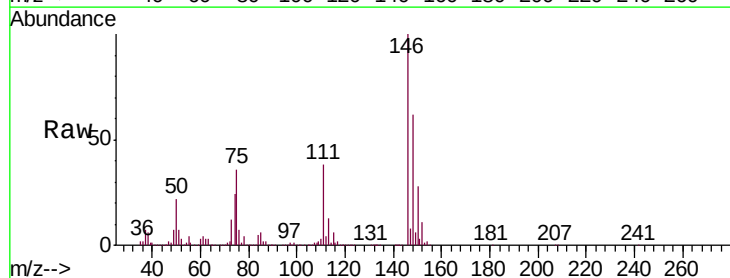
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

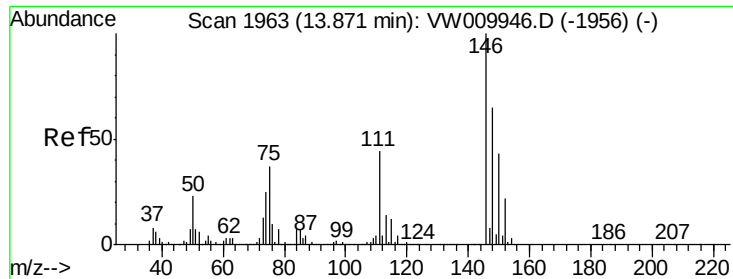
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	28.1	52.3
148	64.5	44.3	82.3



#64
 1,4-Dichlorobenzene
 Concen: 26.354 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	27.4	50.8
148	61.6	43.8	81.3

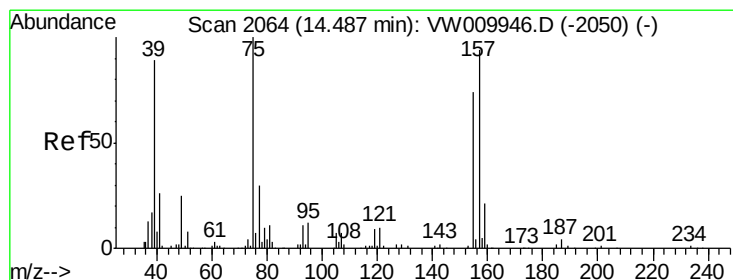
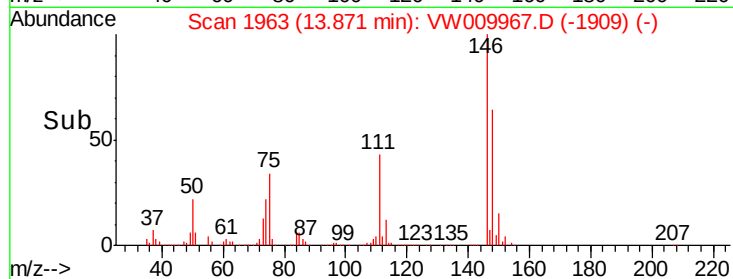
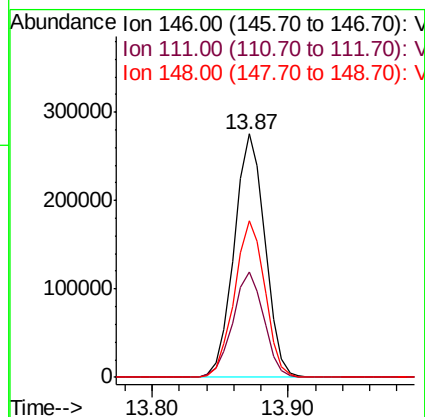
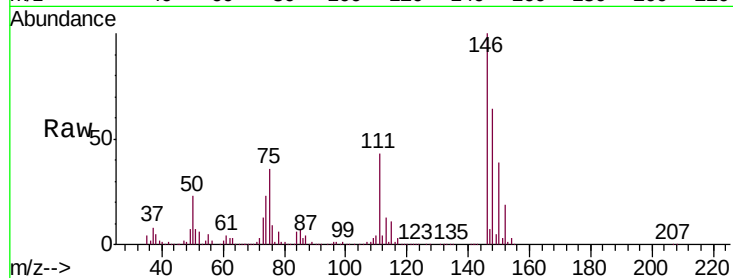




#65
 1,2-Dichlorobenzene
 Concen: 26.627 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

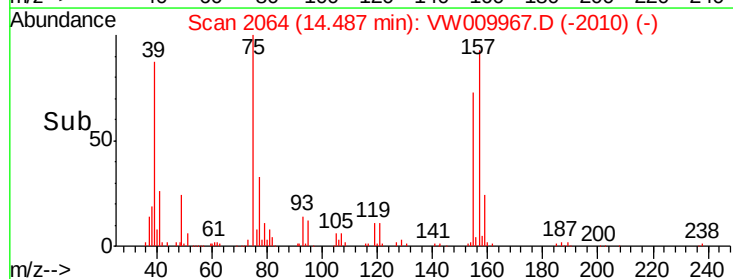
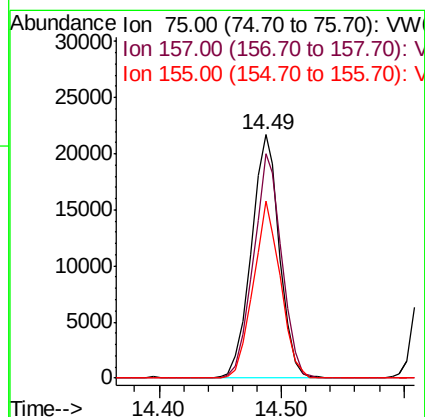
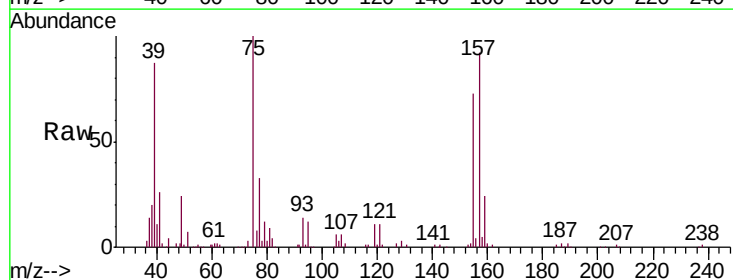
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

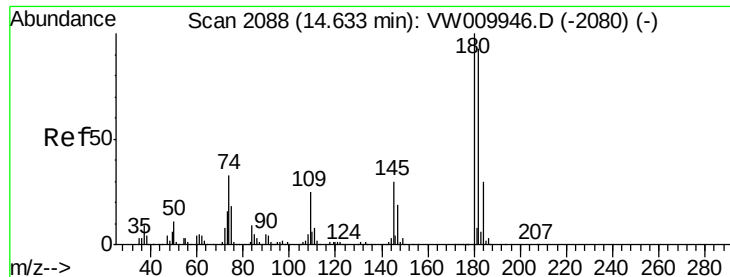
Tgt Ion:146 Resp: 432987
 Ion Ratio Lower Upper
 146 100
 111 43.1 32.4 48.6
 148 64.4 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.923 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

Tgt Ion: 75 Resp: 34701
 Ion Ratio Lower Upper
 75 100
 157 92.4 77.2 115.8
 155 72.6 61.9 92.9

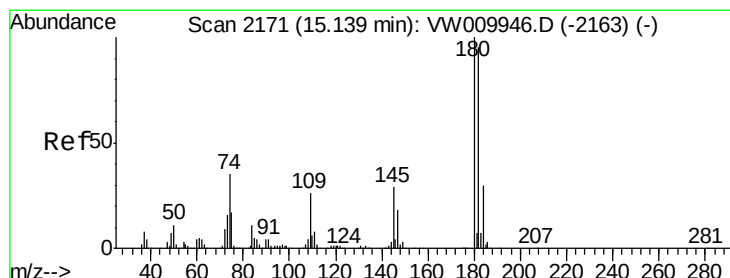
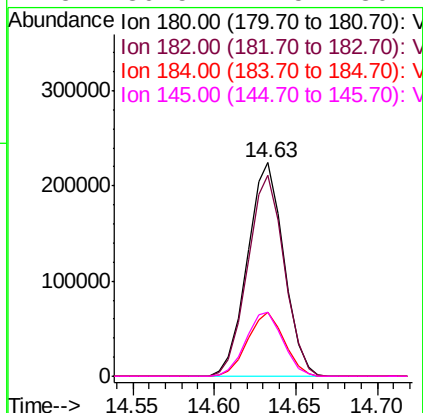
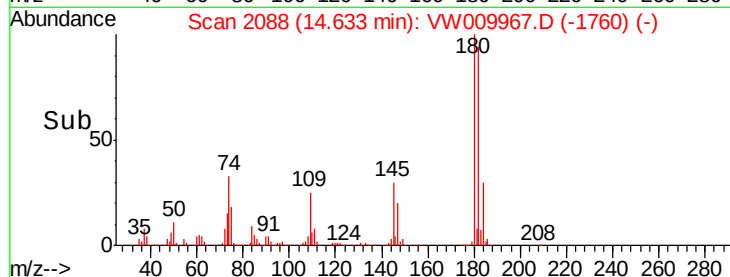
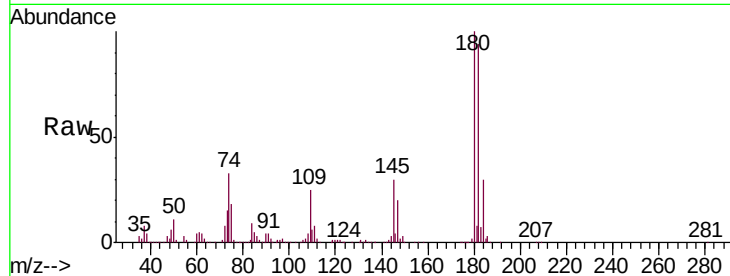




#67
 1,3,5-Trichlorobenzene
 Concen: 27.676 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

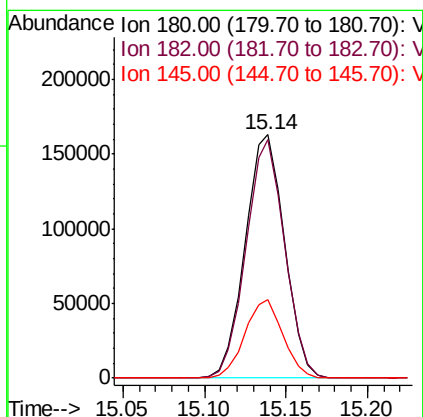
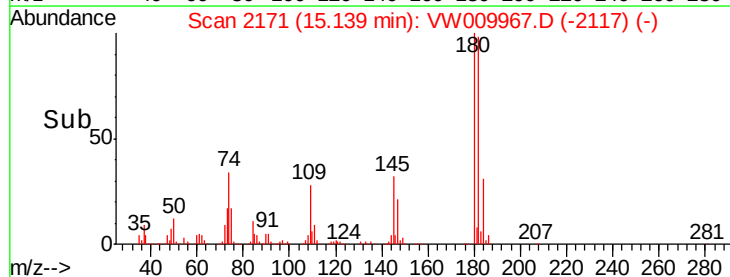
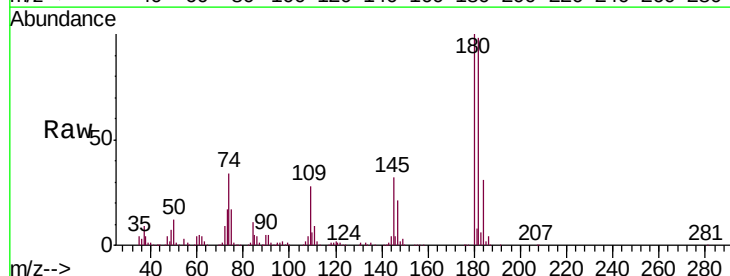
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

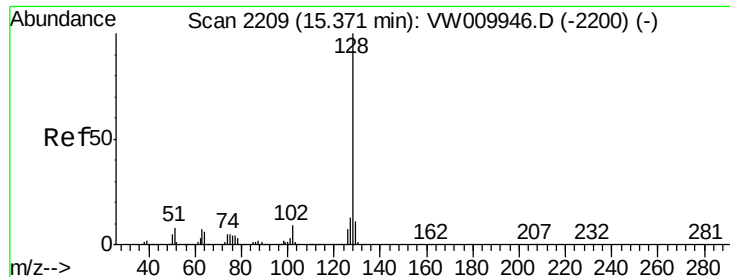
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.8	113.6
184	29.8	24.7	37.1
145	30.5	24.5	36.7



#68
 1,2,4-trichlorobenzene
 Concen: 27.081 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009967.D
 Acq: 13 Apr 2019 10:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.8	113.8
145	31.3	24.3	36.5





#69

Naphthalene

Concen: 25.283 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

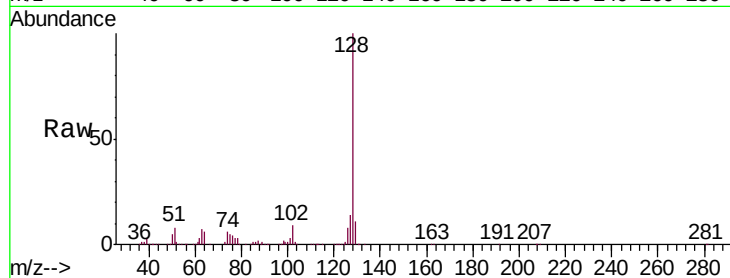
Tgt Ion:128 Resp: 514669

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

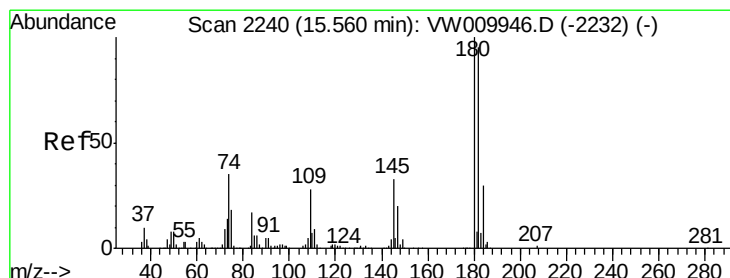
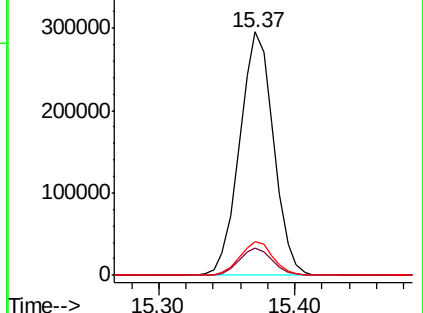
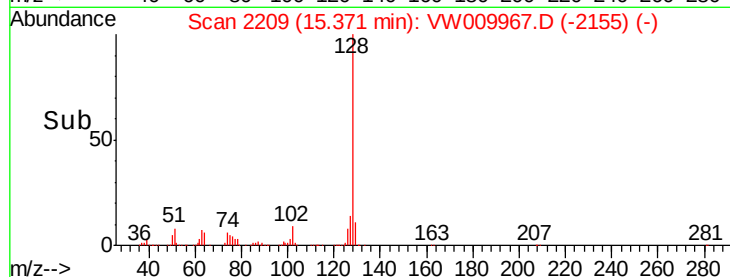
127 13.7 10.8 16.2



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: 26.828 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009967.D

Acq: 13 Apr 2019 10:42

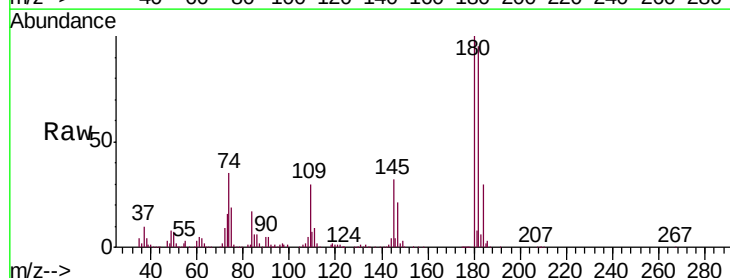
Tgt Ion:180 Resp: 254183

Ion Ratio Lower Upper

180 100

182 95.0 75.0 112.4

145 32.3 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

