

Data File : VW009645.D
Acq On : 02 Apr 2019 01:11
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

Quant Time: Apr 02 01:40:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 02 01:34:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	398590	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	390705	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	206714	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	78395	16.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.84%
7) Chloroethane-d5	2.89	69	95420	17.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.48%
10) 1,1-Dichloroethene-d2	4.03	63	217481	21.13	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.52%
20) 2-Butanone-d5	7.08	46	116996	59.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.78%
24) Chloroform-d	7.64	84	268692	24.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	8.30	65	165669	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.12%
29) Benzene-d6	8.27	84	459601	21.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.32%
33) 1,2-Dichloropropane-d6	9.27	67	154169	23.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.28%
37) Toluene-d8	10.32	98	418654	21.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.04%
38) trans-1,3-Dichloropropene-	10.58	79	69636	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.68%
39) 2-Hexanone-d5	10.93	63	91271	58.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	177363	27.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	174680	22.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	104624	19.925	ug/L 99
3) Chloromethane	2.21	50	112837	20.255	ug/L 97
5) Vinyl chloride	2.37	62	152335	26.567	ug/L 97
6) Bromomethane	2.78	94	115531	24.049	ug/L 98
8) Chloroethane	2.92	64	112574	23.730	ug/L 96
9) Trichlorofluoromethane	3.26	101	102724	22.680	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	132870	25.402	ug/L 92
12) 1,1-Dichloroethene	4.04	96	125464	25.562	ug/L 86
13) Acetone	4.12	43	76268	47.214	ug/L 98
14) Carbon disulfide	4.38	76	331214	25.073	ug/L 97
15) Methyl Acetate	4.67	43	92062	29.010	ug/L 99
16) Methylene chloride	4.91	84	149045	25.642	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	196944	28.358	ug/L 97
18) trans-1,2-Dichloroethene	5.42	96	128841	24.967	ug/L 96
19) 1,1-Dichloroethane	6.21	63	266669	28.341	ug/L 99
21) 2-Butanone	7.17	43	127225	57.040	ug/L 95
22) cis-1,2-Dichloroethene	7.16	96	152088	27.206	ug/L 96

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QLast Update : Tue Apr 02 01:34:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	71020	26.488	ug/L	93
25) Chloroform	7.67	83	287501	29.177	ug/L	98
27) 1,2-Dichloroethane	8.40	62	221948	30.210	ug/L	97
30) Cyclohexane	7.95	56	209301	23.588	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	215238	27.583	ug/L	99
32) Carbon tetrachloride	8.07	117	208584	26.493	ug/L	99
34) Benzene	8.32	78	577499	27.005	ug/L	100
35) Trichloroethene	9.09	95	148129	25.995	ug/L	98
36) Methylcyclohexane	9.34	83	234902	23.827	ug/L	98
40) 1,2-Dichloropropane	9.37	63	153654	28.000	ug/L	99
41) Bromodichloromethane	9.64	83	213282	28.051	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	232021	25.960	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	283069	56.926	ug/L	99
44) Toluene	10.38	91	630078	26.948	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	207320	26.665	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	122458	27.972	ug/L	97
47) Tetrachloroethene	10.86	164	116981	24.296	ug/L	96
49) 2-Hexanone	10.97	43	204611	58.423	ug/L	99
50) Dibromochloromethane	11.13	129	148840	27.541	ug/L	94
51) 1,2-Dibromoethane	11.23	107	121399	27.353	ug/L	98
52) Chlorobenzene	11.66	112	401173	26.751	ug/L	97
53) Ethylbenzene	11.73	91	717690	27.302	ug/L	99
54) m,p-Xylene	11.84	106	266988	26.734	ug/L	94
55) o-xylene	12.16	106	260360	26.723	ug/L	99
56) Styrene	12.18	104	462695	27.834	ug/L	95
57) Isopropylbenzene	12.46	105	716247	27.443	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	171765	29.083	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	130119	29.686	ug/L	98
62) Bromoform	12.35	173	91442	26.181	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	305902	24.830	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	326554	25.638	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	305440	25.997	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	32378	28.119	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	226905	23.613	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	188097	23.303	ug/L	100
69) Naphthalene	15.37	128	439300	26.251	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	189850	25.112	ug/L	98

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

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ClientSampleId :
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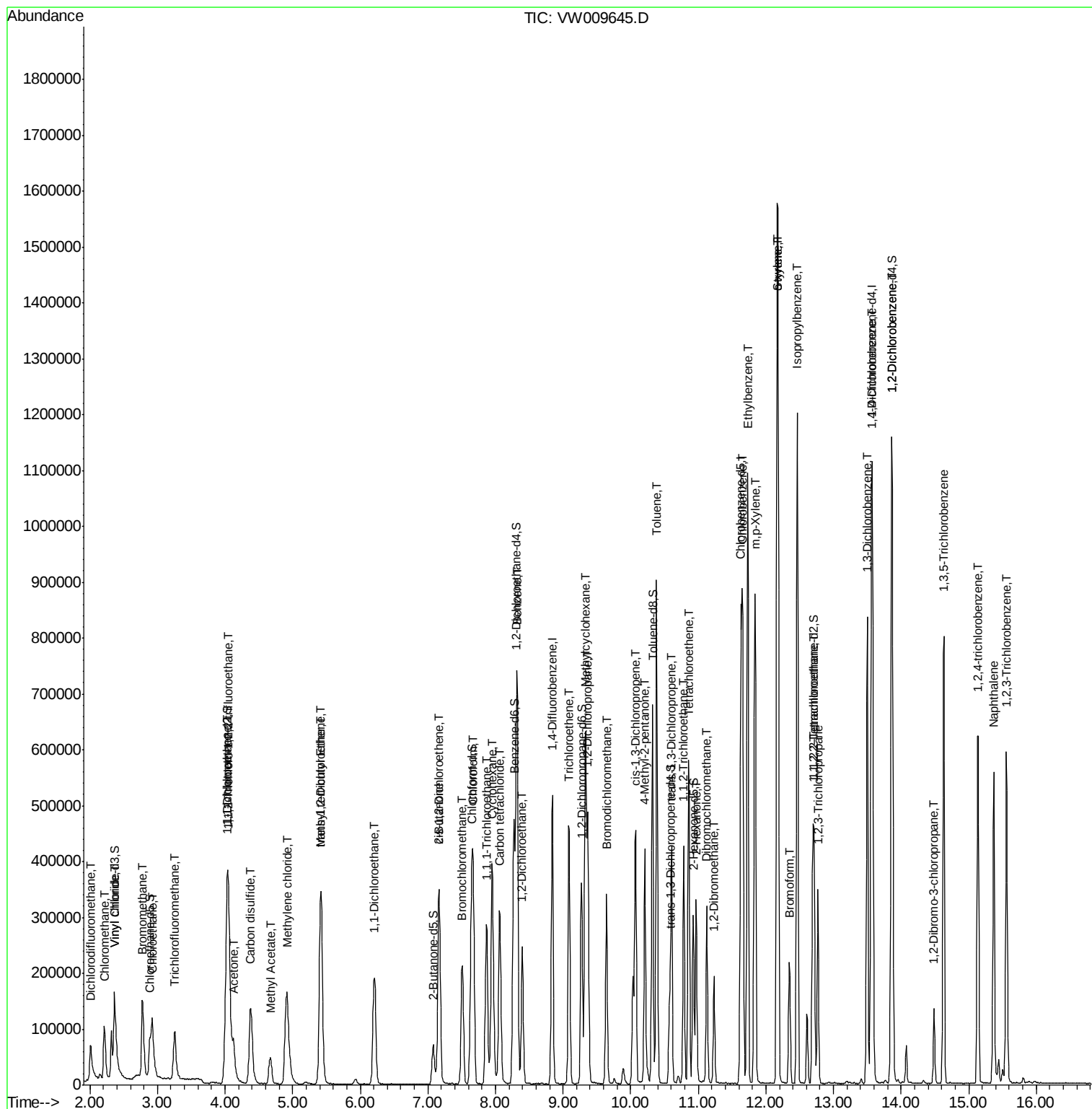
Quant Time: Apr 02 01:40:27 2019

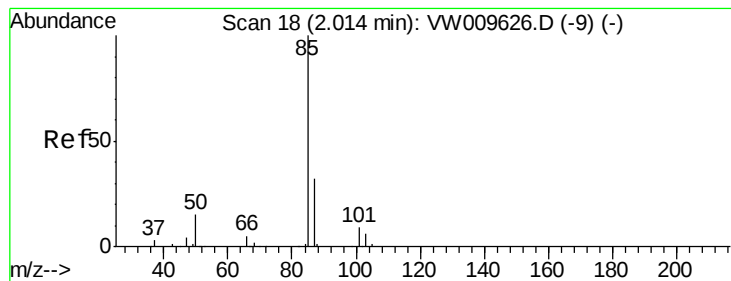
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

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#2

Dichlorodifluoromethane

Concen: 19.925 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

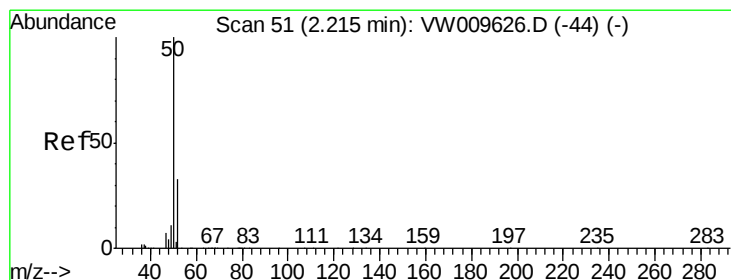
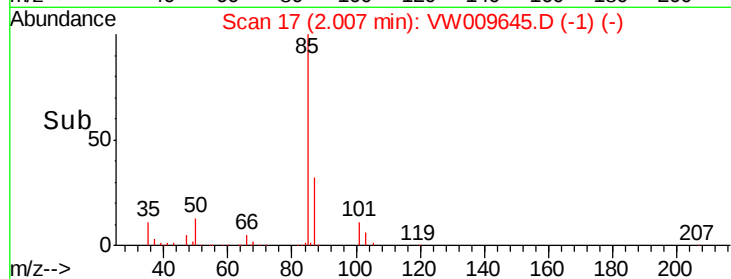
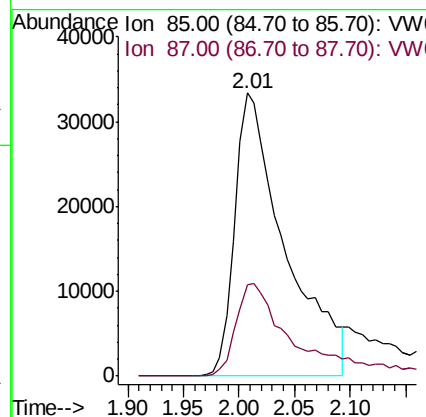
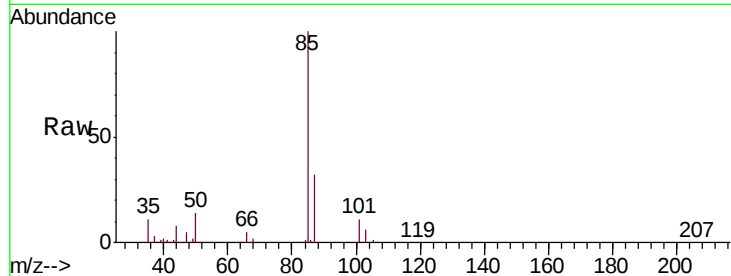
VSTD02507

Tgt Ion: 85 Resp: 104624

Ion Ratio Lower Upper

85 100

87 28.7 19.5 36.3



#3

Chloromethane

Concen: 20.255 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009645.D

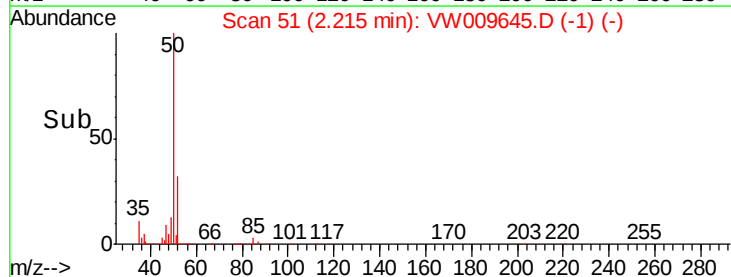
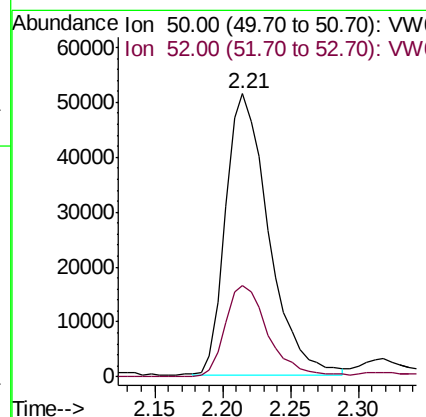
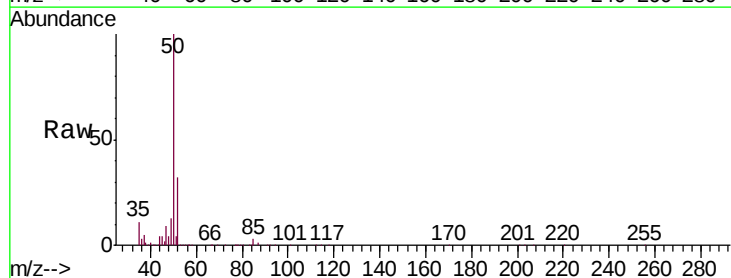
Acq: 02 Apr 2019 01:11

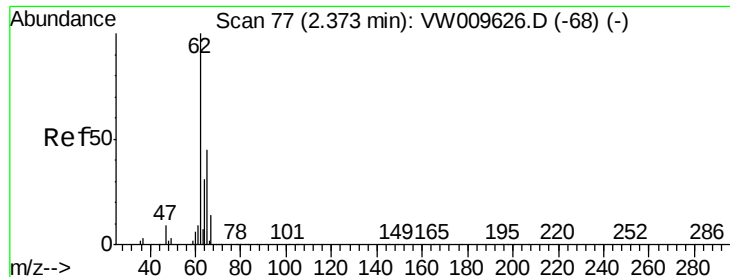
Tgt Ion: 50 Resp: 112837

Ion Ratio Lower Upper

50 100

52 32.4 21.6 40.2





#5

Vinyl chloride

Concen: 26.567 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

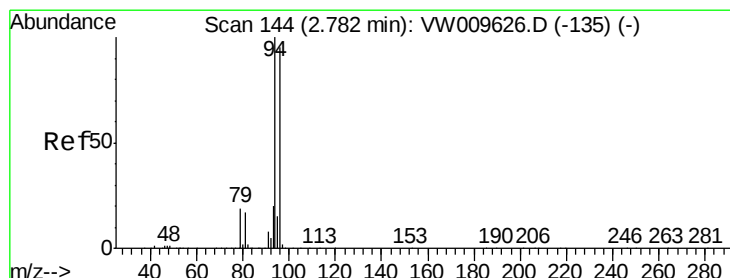
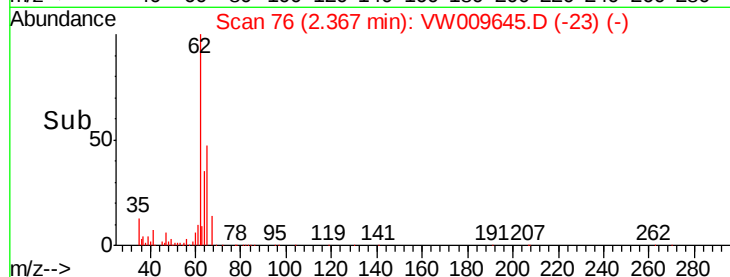
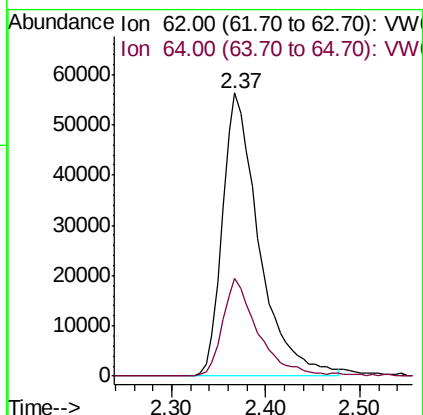
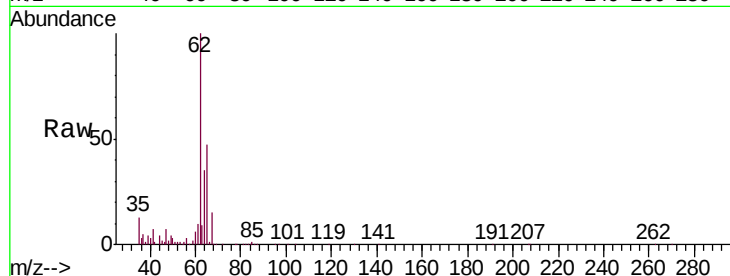
VSTD02507

Tgt Ion: 62 Resp: 152335

Ion Ratio Lower Upper

62 100

64 34.5 23.0 42.6



#6

Bromomethane

Concen: 24.049 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW009645.D

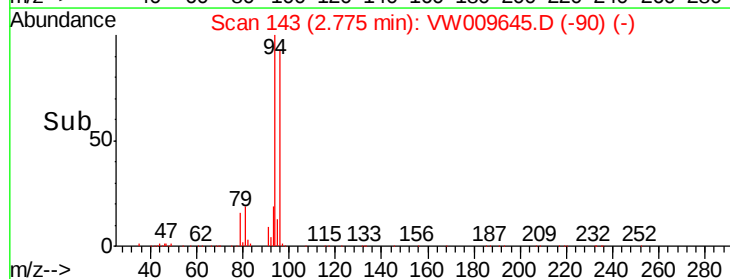
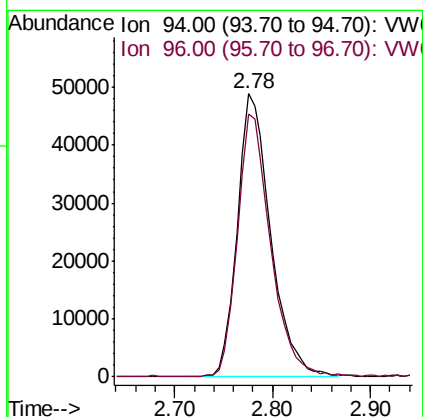
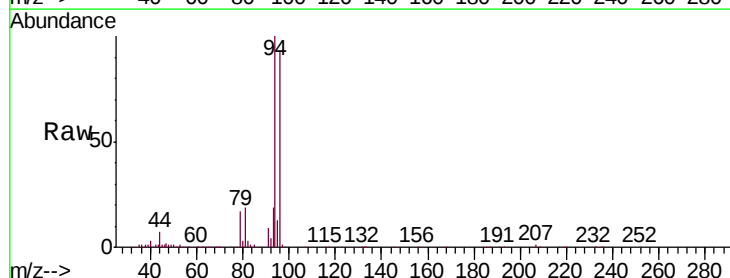
Acq: 02 Apr 2019 01:11

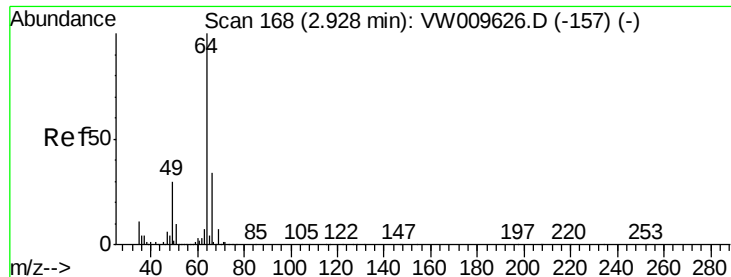
Tgt Ion: 94 Resp: 115531

Ion Ratio Lower Upper

94 100

96 91.8 9.4 178.4





#8

Chloroethane

Concen: 23.730 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

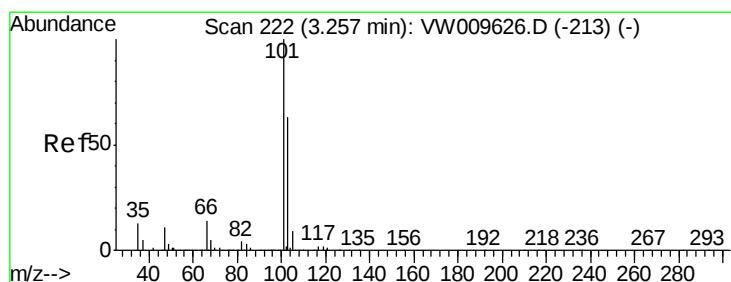
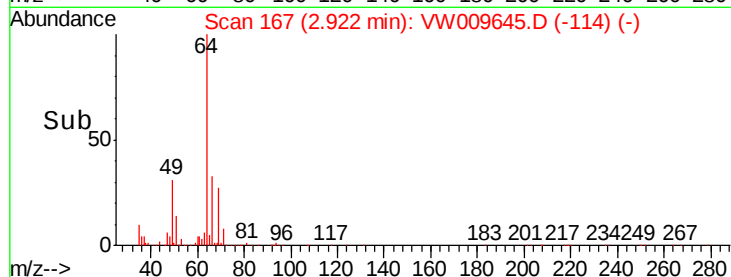
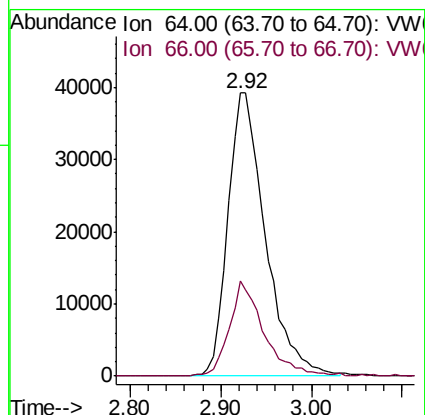
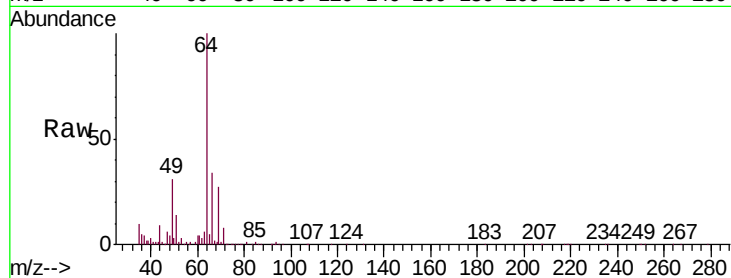
VSTD02507

Tgt Ion: 64 Resp: 112574

Ion Ratio Lower Upper

64 100

66 33.6 25.1 46.7



#9

Trichlorofluoromethane

Concen: 22.680 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW009645.D

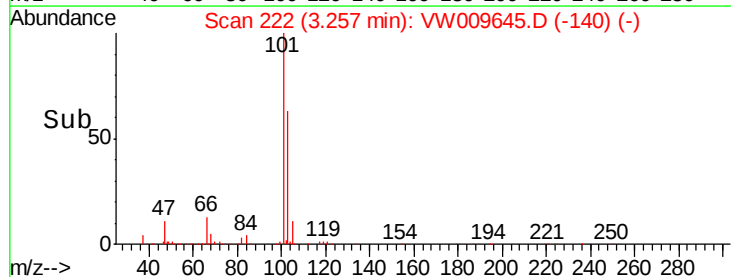
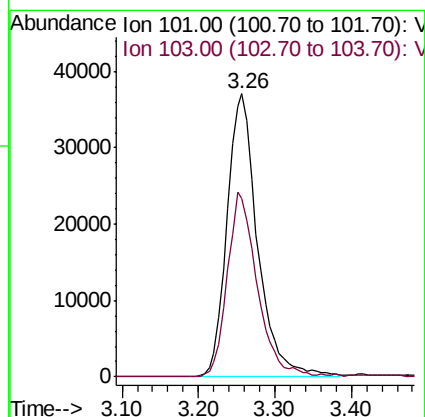
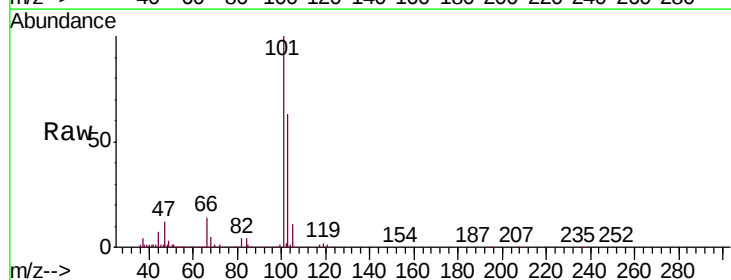
Acq: 02 Apr 2019 01:11

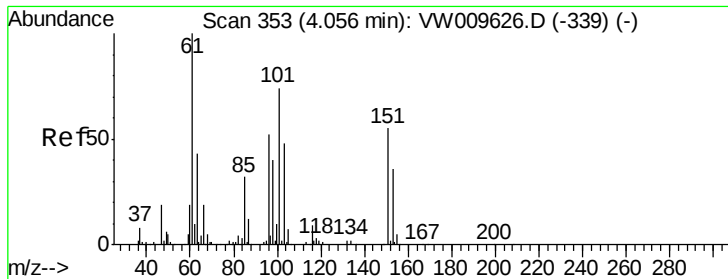
Tgt Ion: 101 Resp: 102724

Ion Ratio Lower Upper

101 100

103 62.3 45.0 83.6





#11

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

Concen: 25.402 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

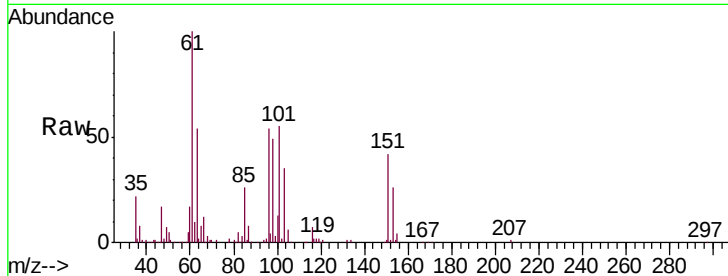
Tgt Ion: 101 Resp: 132870

Ion Ratio Lower Upper

101 100

85 45.7 32.6 48.8

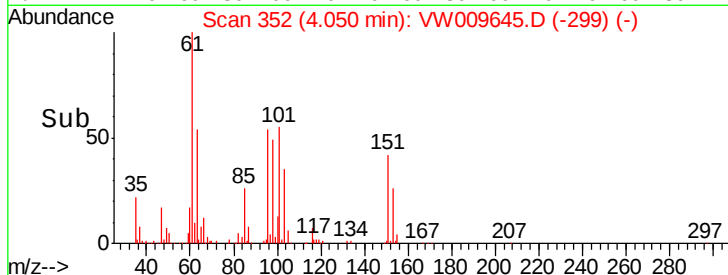
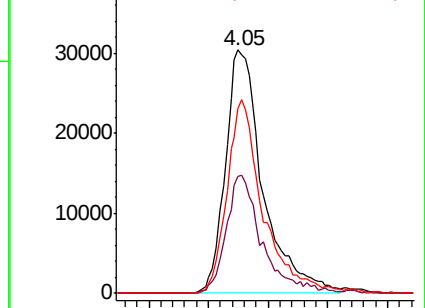
151 72.6 63.3 94.9



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: 25.562 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

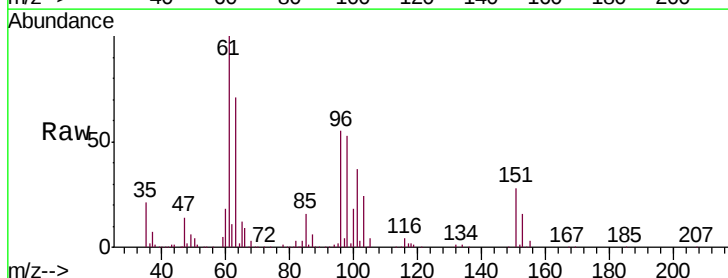
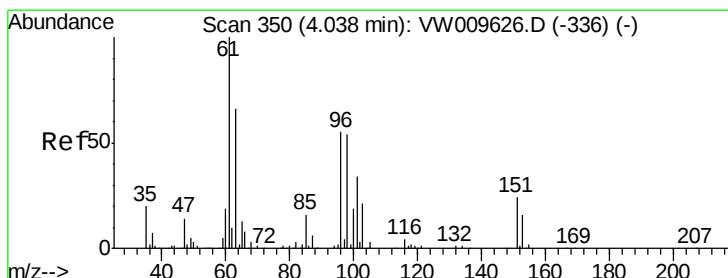
Tgt Ion: 96 Resp: 125464

Ion Ratio Lower Upper

96 100

61 181.9 129.4 240.2

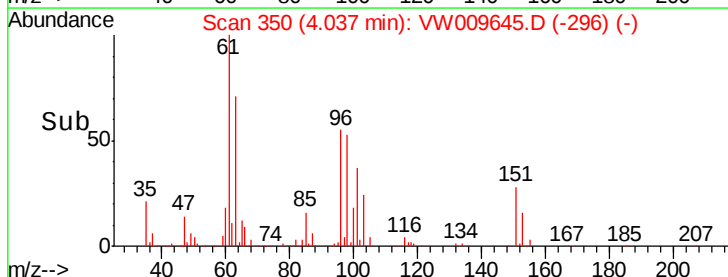
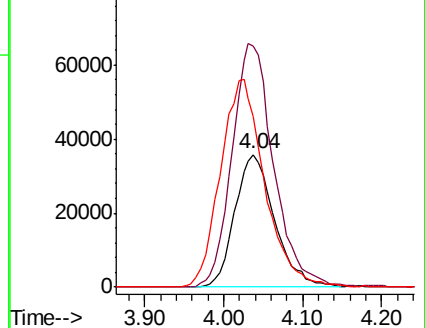
63 129.1 116.8 217.0

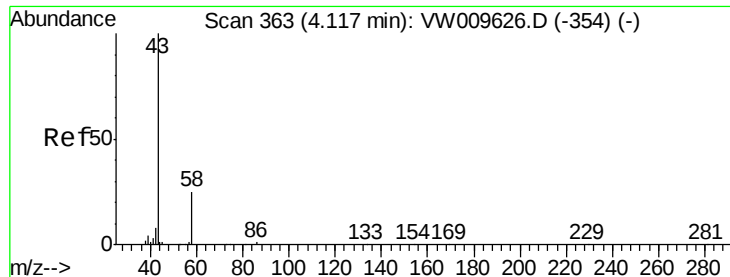


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

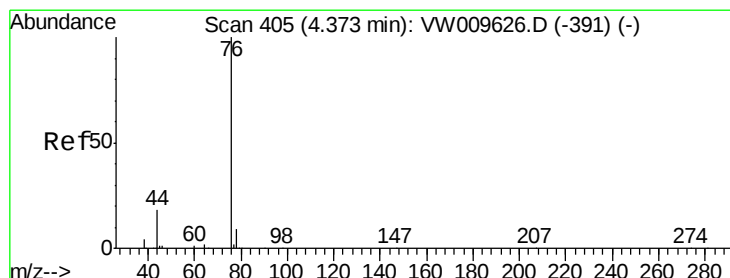
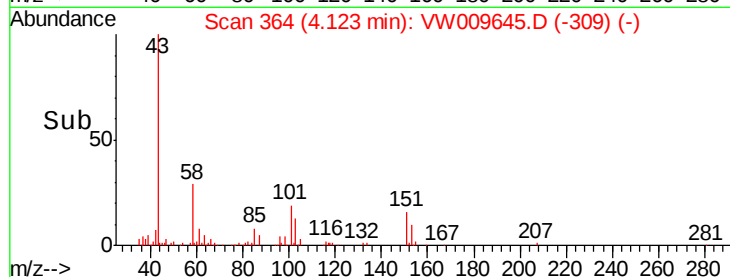
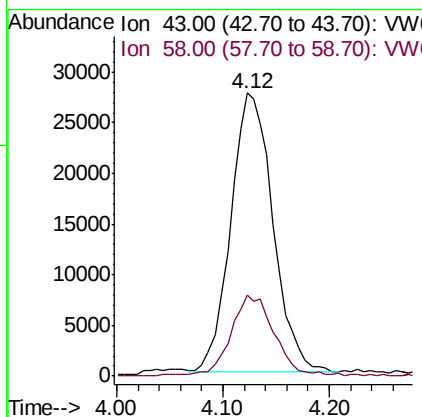
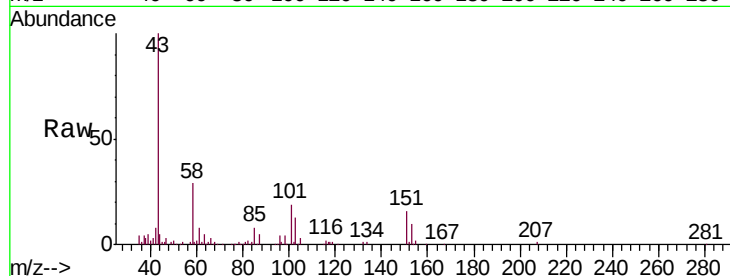




#13
Acetone
Concen: 47.214 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW009645.D
Acq: 02 Apr 2019 01:11

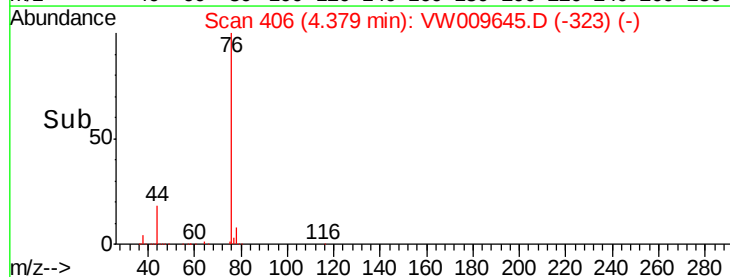
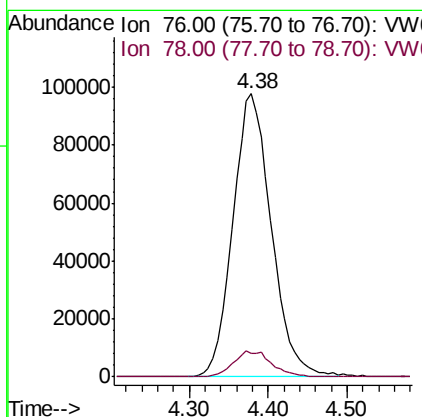
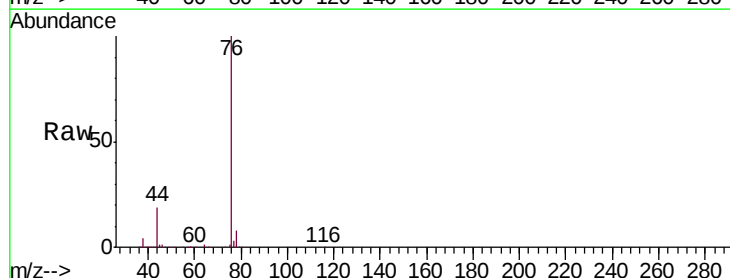
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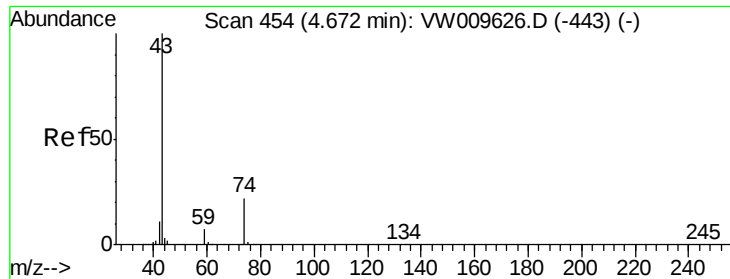
Tgt Ion: 43 Resp: 76268
Ion Ratio Lower Upper
43 100
58 28.9 0.0 56.2



#14
Carbon disulfide
Concen: 25.073 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW009645.D
Acq: 02 Apr 2019 01:11

Tgt Ion: 76 Resp: 331214
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9

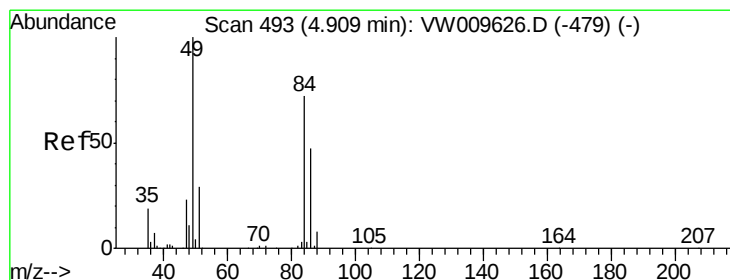
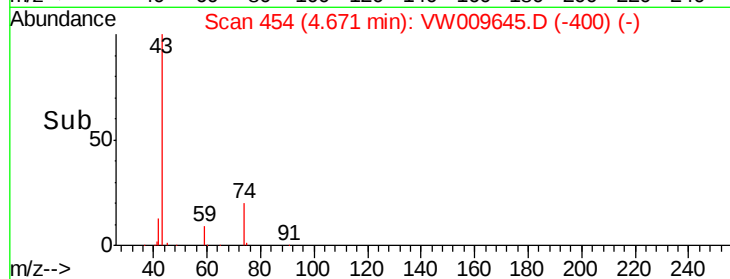
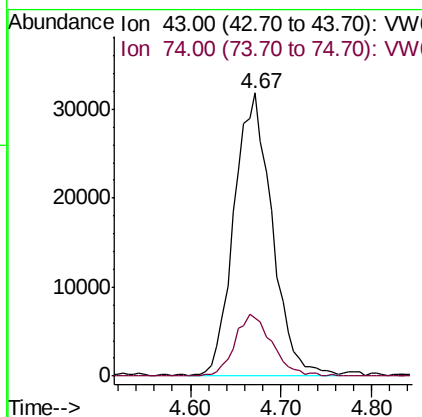
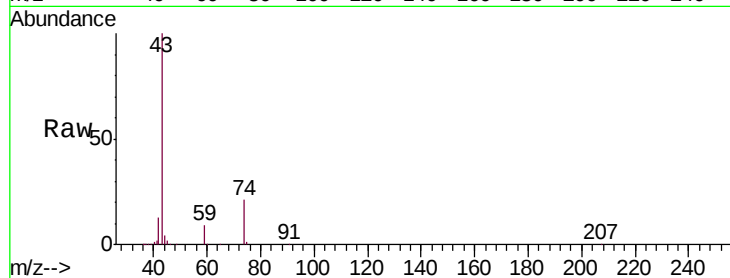




#15
Methyl Acetate
Concen: 29.010 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW009645.D
Acq: 02 Apr 2019 01:11

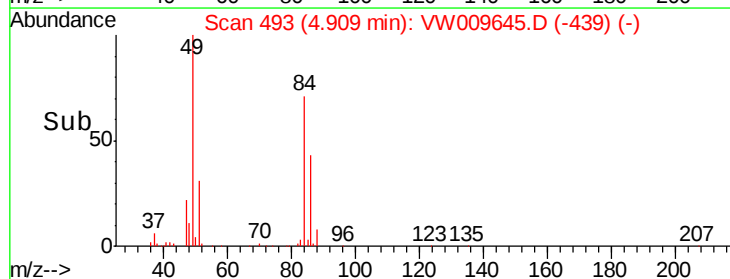
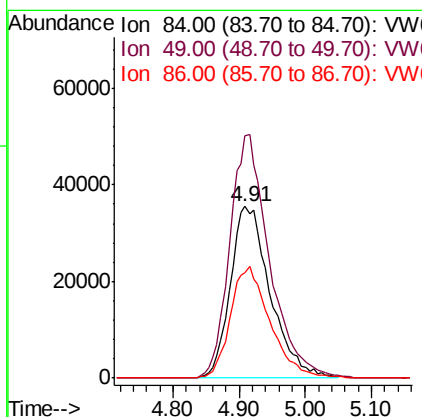
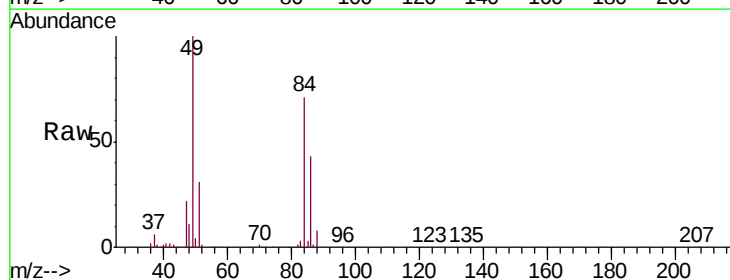
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

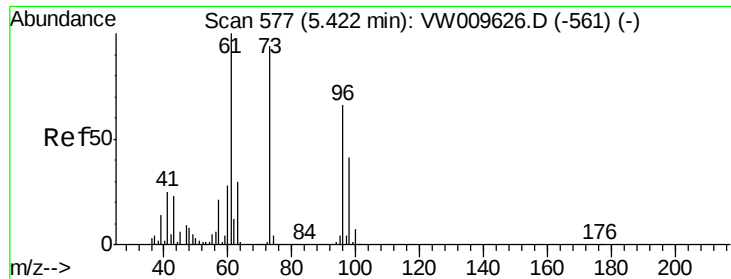
Tgt Ion: 43 Resp: 92062
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1



#16
Methylene chloride
Concen: 25.642 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW009645.D
Acq: 02 Apr 2019 01:11

Tgt Ion: 84 Resp: 149045
Ion Ratio Lower Upper
84 100
49 141.5 96.0 178.2
86 61.0 44.4 82.5

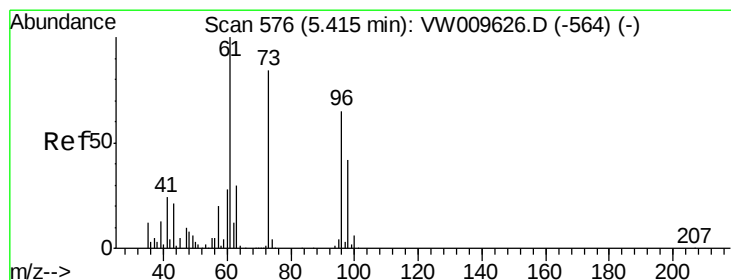
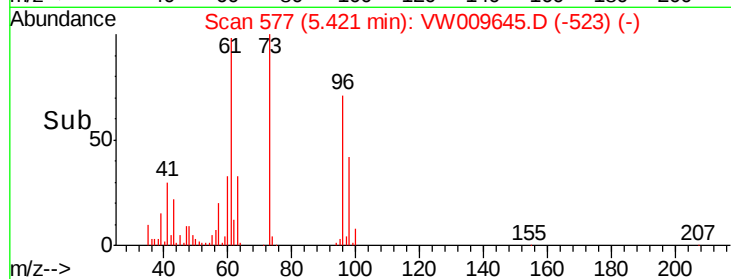
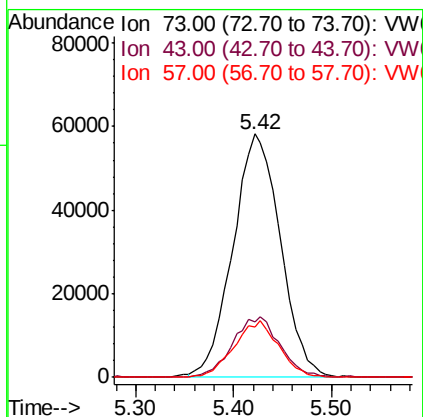
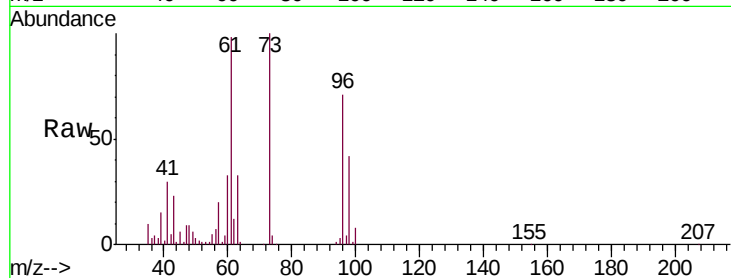




#17
Methyl tert-butyl Ether
Concen: 28.358 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW009645.D
Acq: 02 Apr 2019 01:11

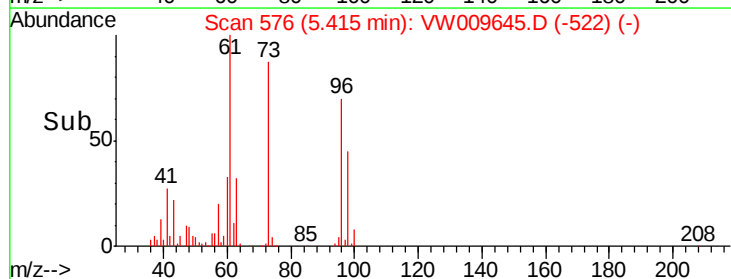
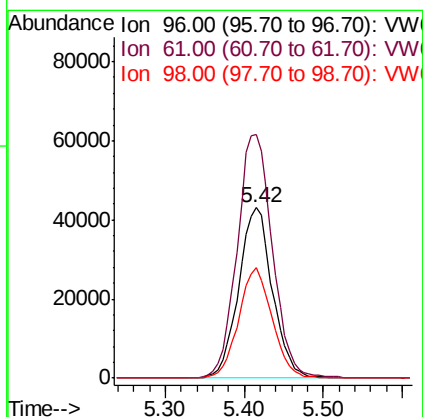
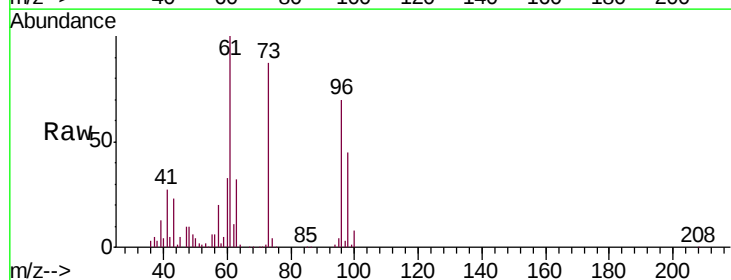
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

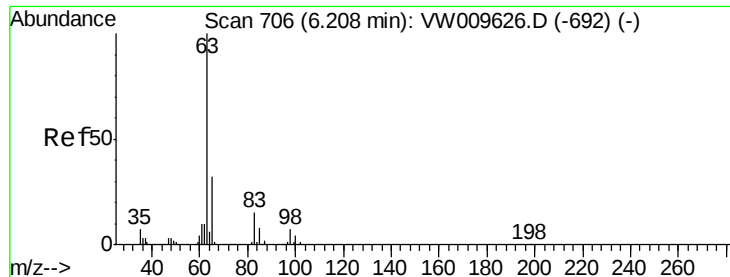
Tgt Ion: 73 Resp: 196944
Ion Ratio Lower Upper
73 100
43 24.9 18.2 27.4
57 22.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 24.967 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW009645.D
Acq: 02 Apr 2019 01:11

Tgt Ion: 96 Resp: 128841
Ion Ratio Lower Upper
96 100
61 142.8 96.7 179.5
98 64.7 43.8 81.4

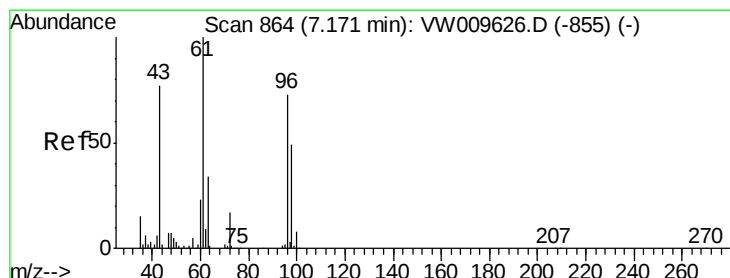
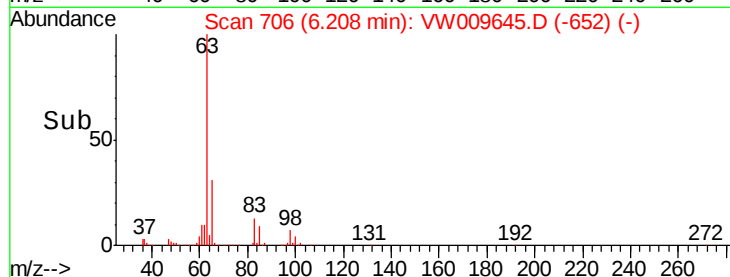
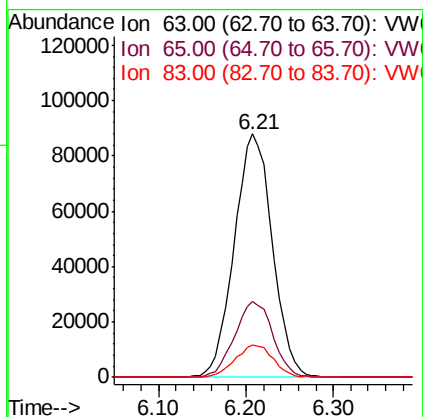
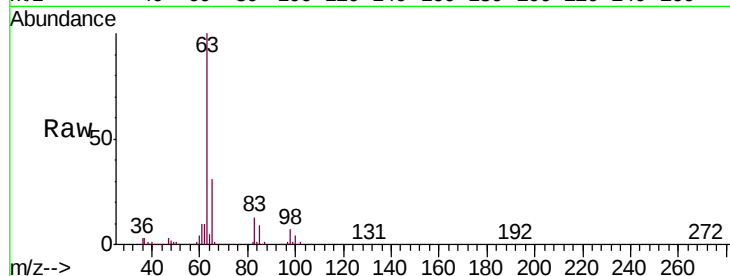




#19
 1,1-Dichloroethane
 Concen: 28.341 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

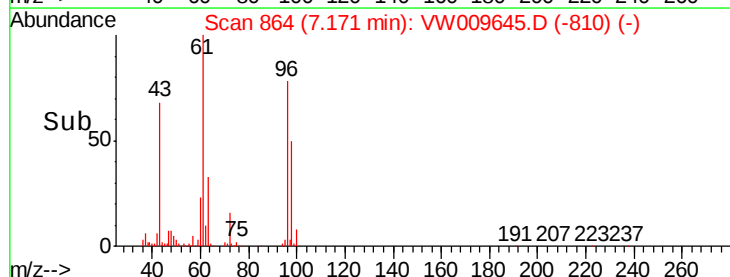
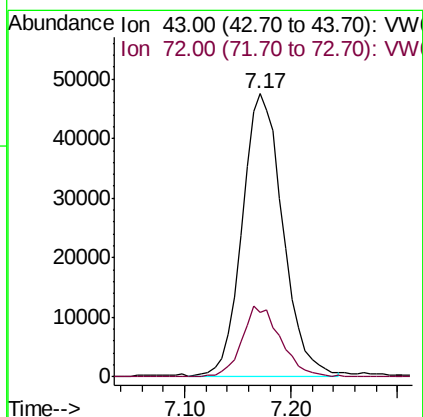
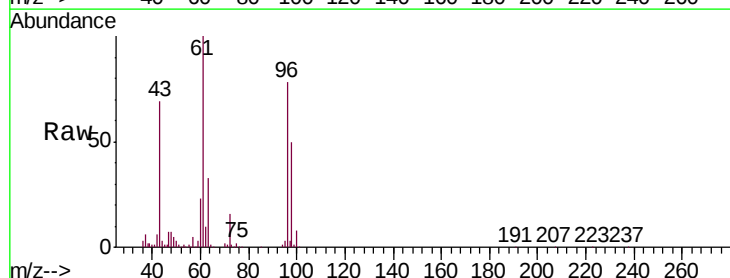
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

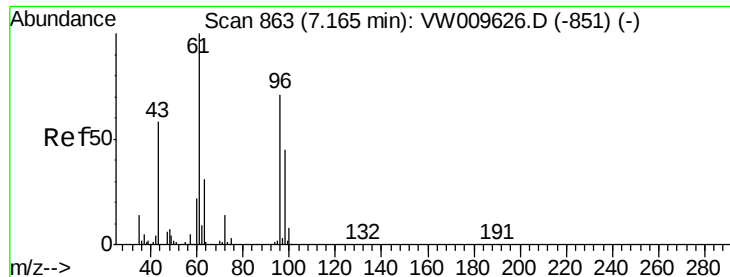
Tgt Ion:	63	Resp:	266669
Ion	Ratio	Lower	Upper
63	100		
65	31.2	21.6	40.0
83	13.3	10.1	18.7



#21
 2-Butanone
 Concen: 57.040 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Tgt Ion:	43	Resp:	127225
Ion	Ratio	Lower	Upper
43	100		
72	23.7	13.1	39.1



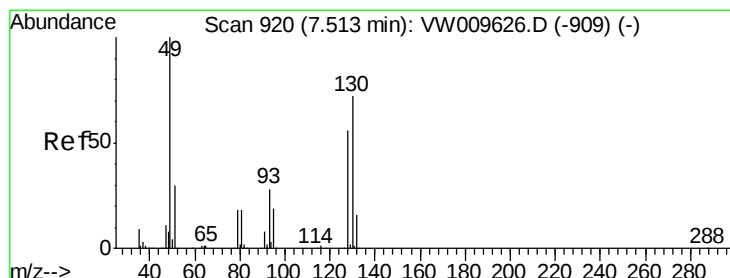
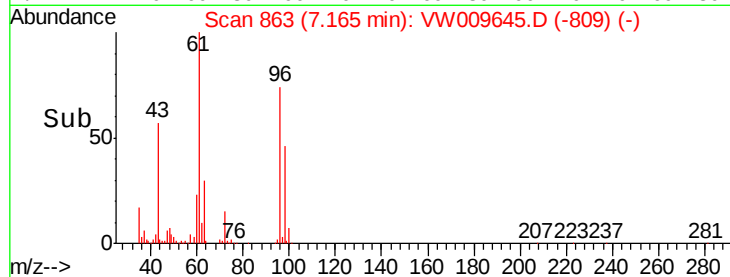
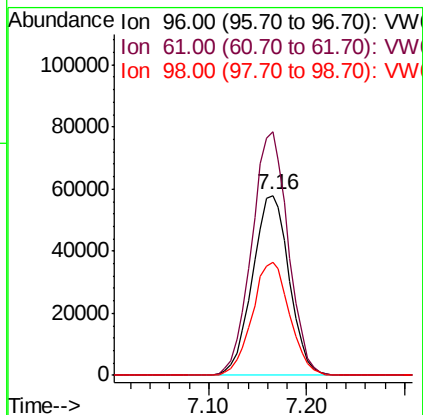
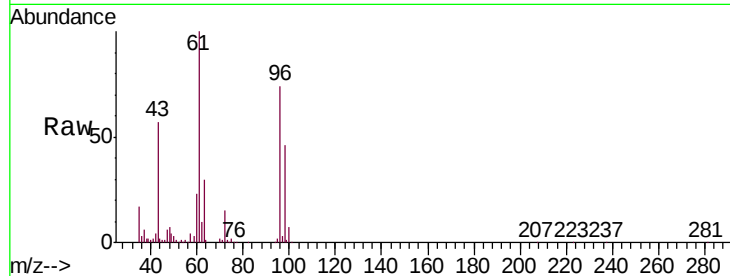


#22

cis-1,2-Dichloroethene
 Concen: 27.206 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

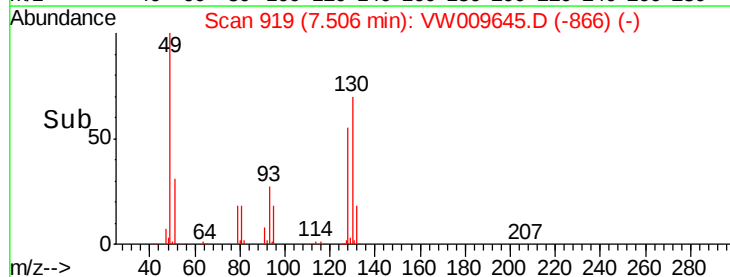
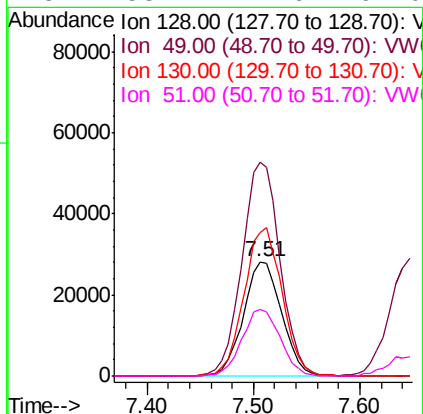
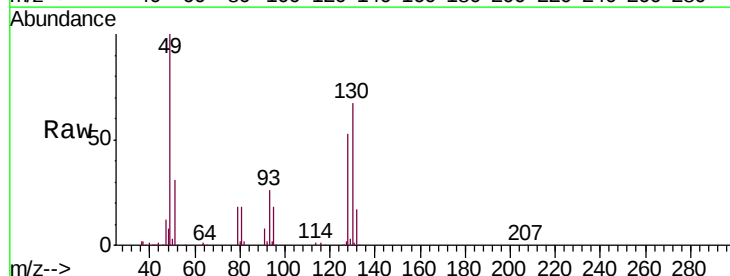
Tgt Ion: 96 Resp: 152088
 Ion Ratio Lower Upper
 96 100
 61 135.3 90.6 168.3
 98 62.5 44.0 81.8

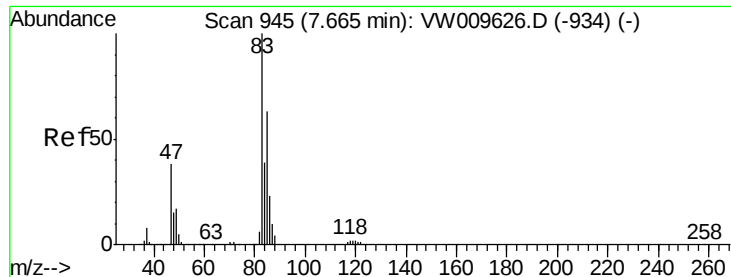


#23

Bromochloromethane
 Concen: 26.488 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Tgt Ion: 128 Resp: 71020
 Ion Ratio Lower Upper
 128 100
 49 187.5 118.4 219.8
 130 125.5 87.8 163.2
 51 58.2 44.6 67.0





#25

Chloroform

Concen: 29.177 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.01 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

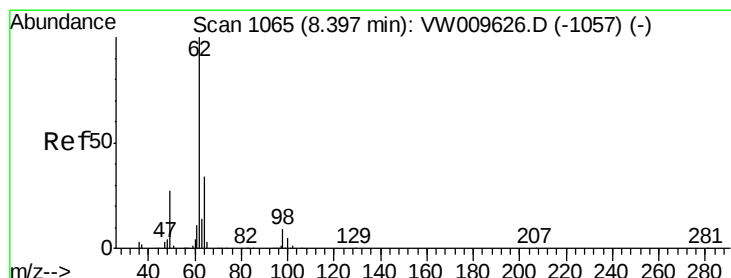
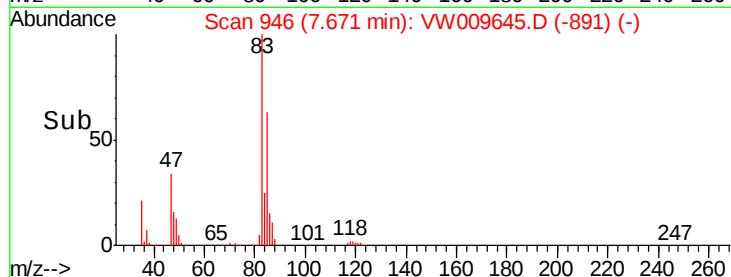
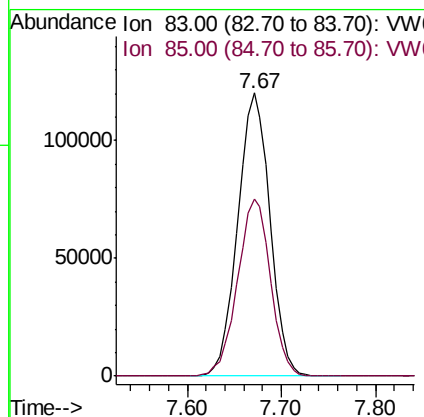
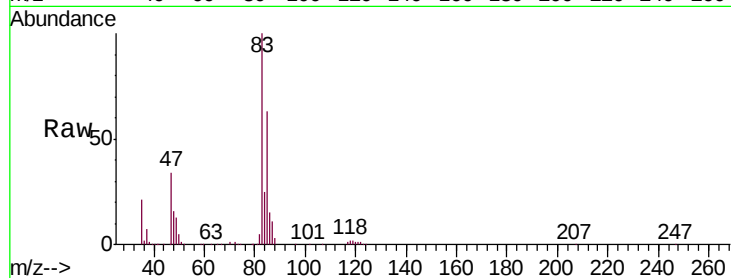
VSTD02507

Tgt Ion: 83 Resp: 287501

Ion Ratio Lower Upper

83 100

85 63.9 46.0 85.4



#27

1,2-Dichloroethane

Concen: 30.210 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009645.D

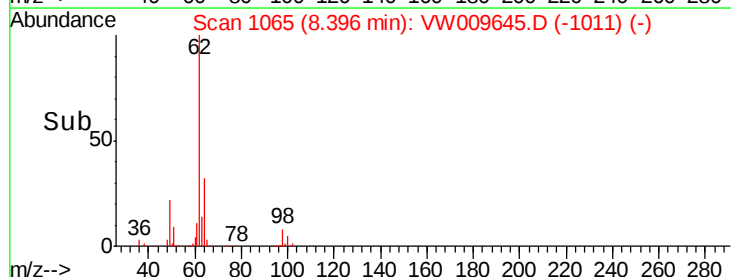
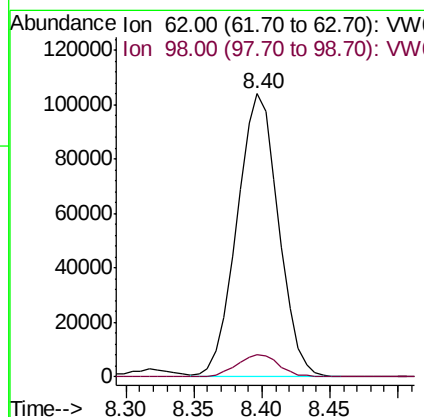
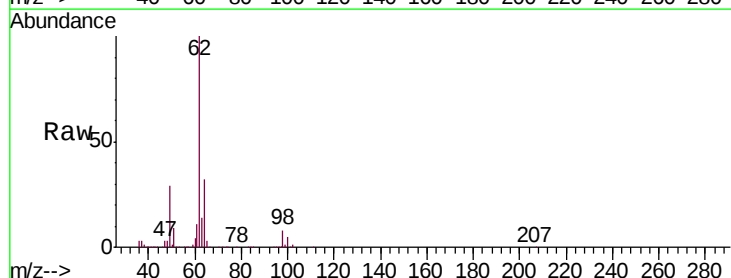
Acq: 02 Apr 2019 01:11

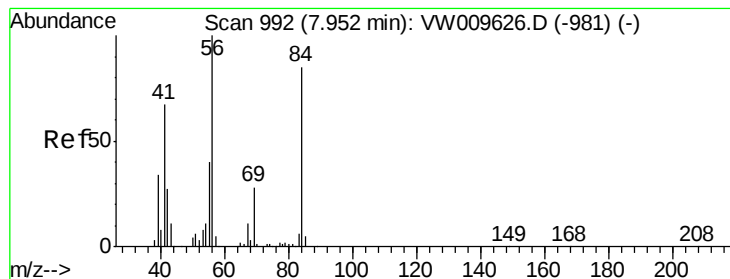
Tgt Ion: 62 Resp: 221948

Ion Ratio Lower Upper

62 100

98 7.9 7.3 10.9





#30

Cyclohexane

Concen: 23.588 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

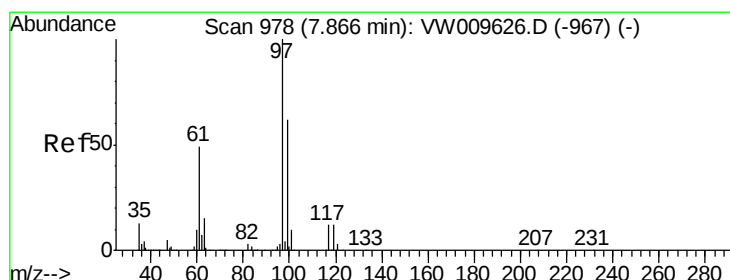
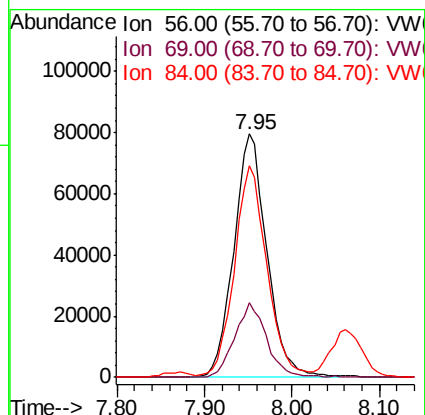
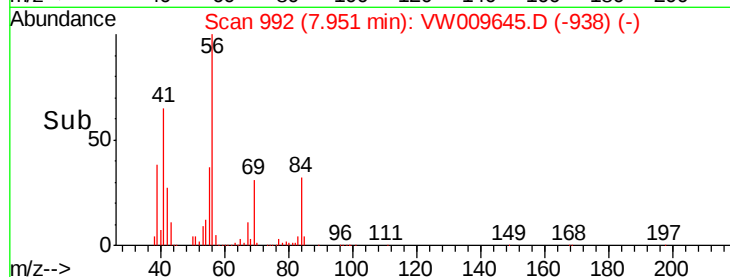
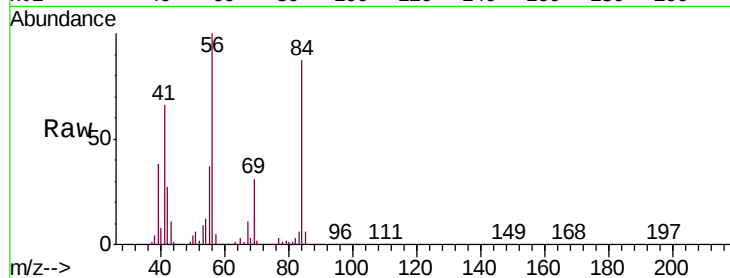
Tgt Ion: 56 Resp: 209301

Ion Ratio Lower Upper

56 100

69 29.2 24.0 36.0

84 85.4 69.2 103.8



#31

1,1,1-Trichloroethane

Concen: 27.583 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

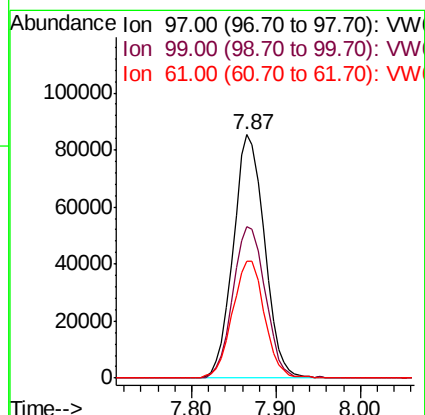
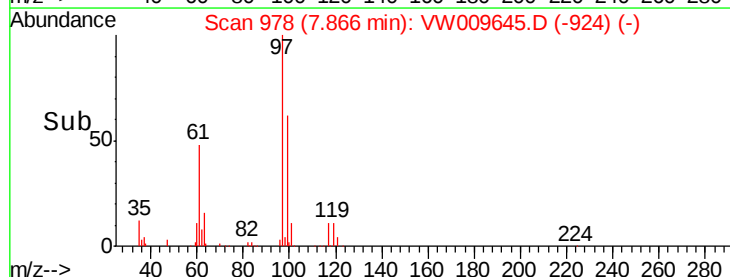
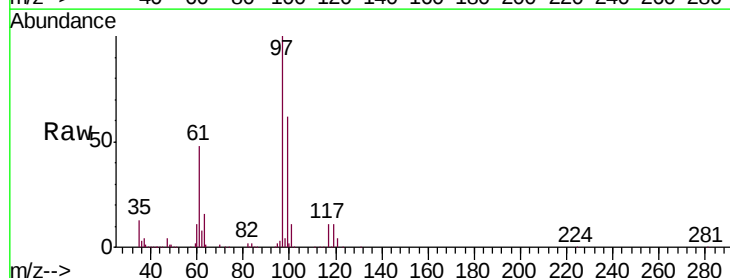
Tgt Ion: 97 Resp: 215238

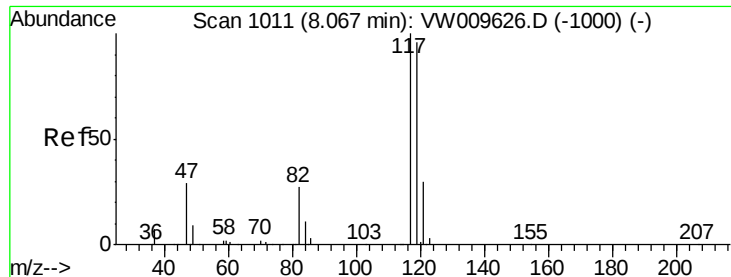
Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

61 49.3 38.4 57.6





#32

Carbon tetrachloride

Concen: 26.493 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

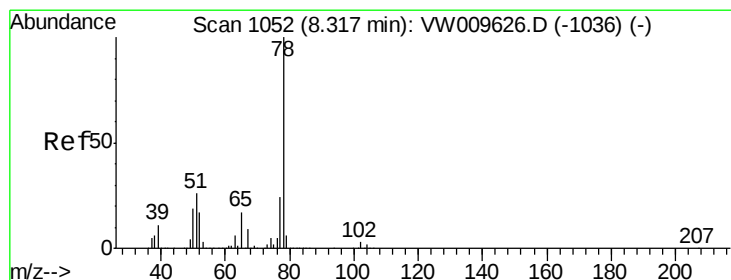
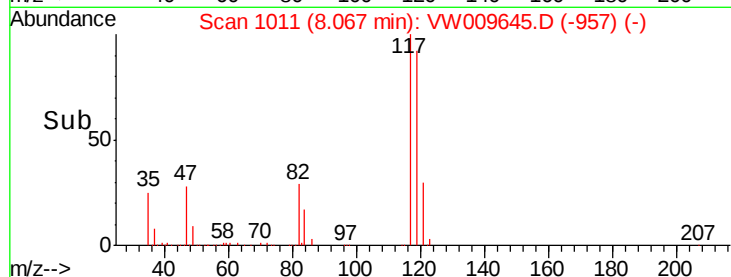
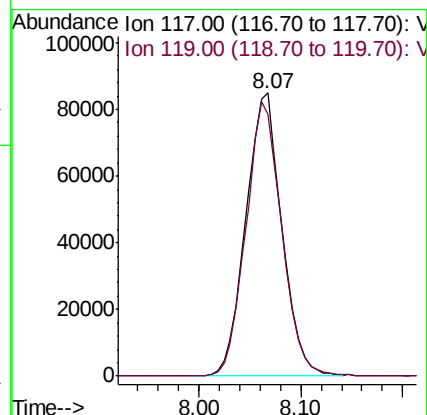
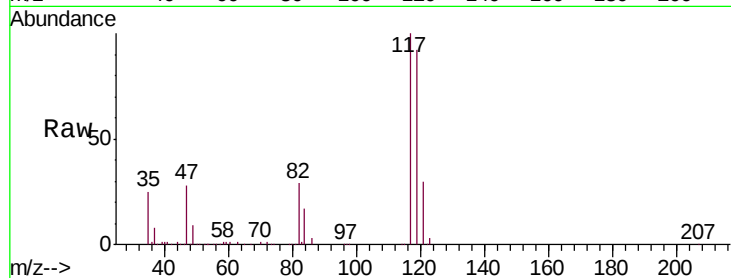
VSTD02507

Tgt Ion:117 Resp: 208584

Ion Ratio Lower Upper

117 100

119 96.5 78.0 117.0



#34

Benzene

Concen: 27.005 ug/L

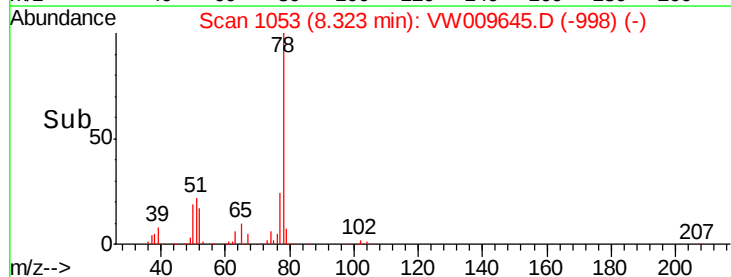
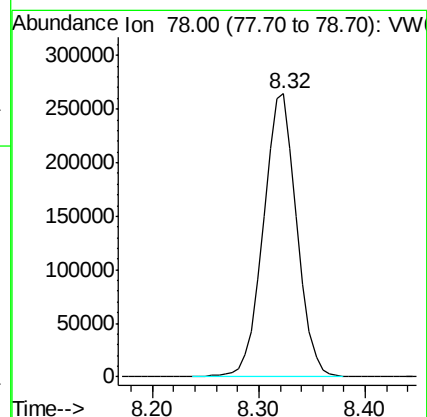
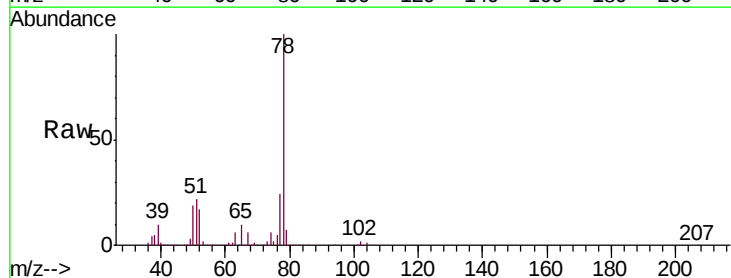
RT: 8.32 min Scan# 1053

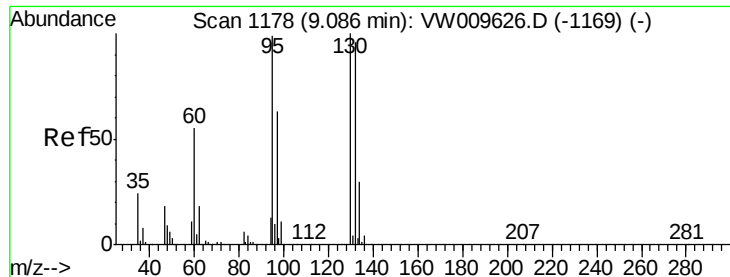
Delta R.T. 0.01 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Tgt Ion: 78 Resp: 577499

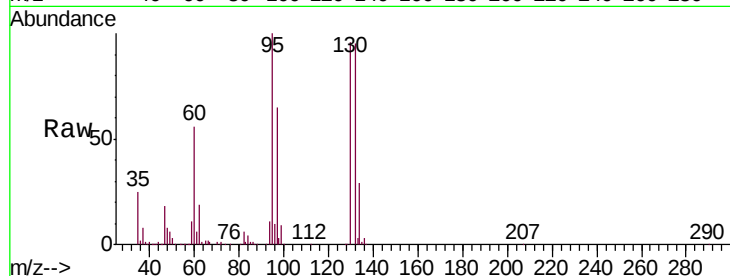




#35
 Trichloroethene
 Concen: 25.995 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Tgt Ion:	95	Resp:	148129
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.7	82.9
132	98.2	69.0	128.2
130	99.7	72.7	134.9



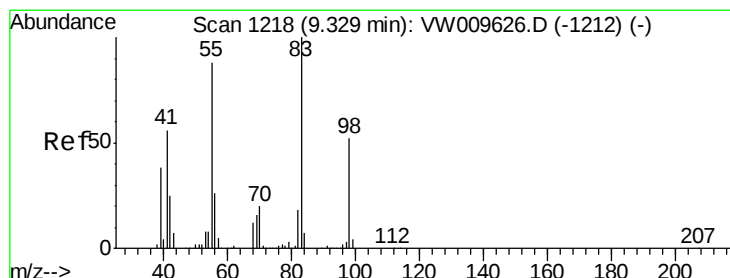
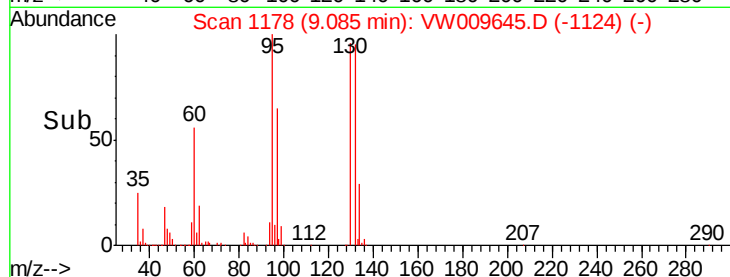
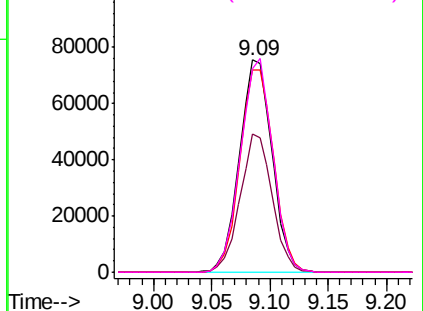
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

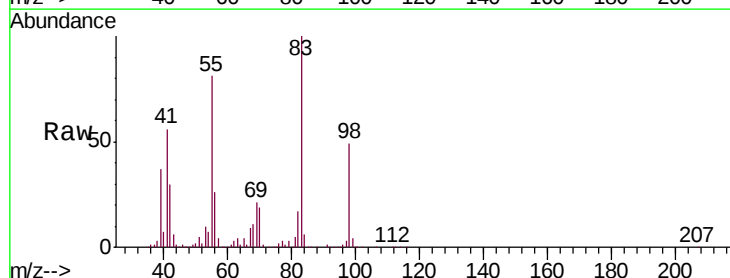
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 23.827 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Tgt Ion:	83	Resp:	234902
Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.5	95.3
98	49.0	39.8	59.8

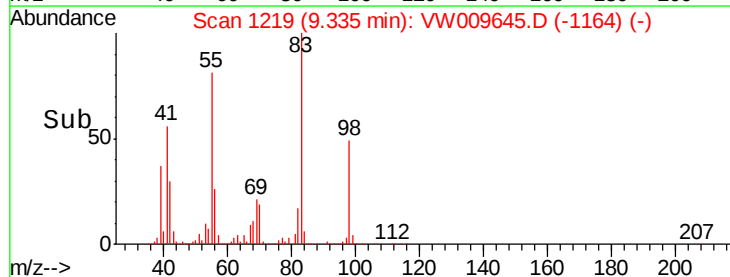
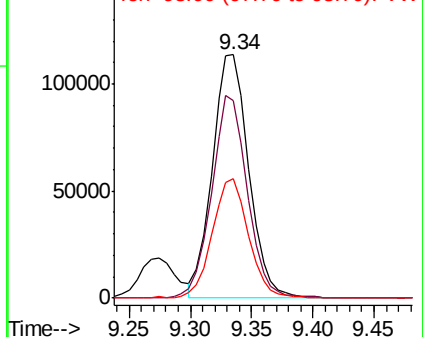


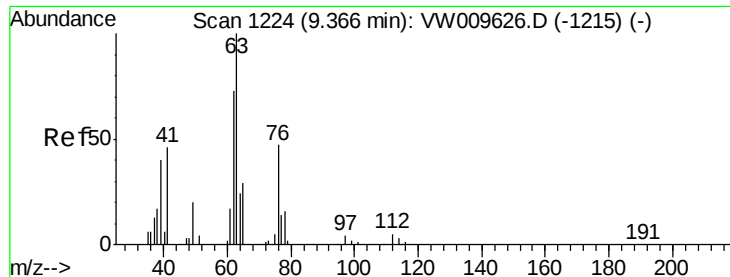
Abundance

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

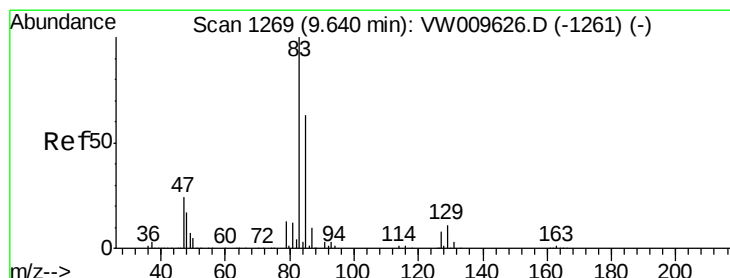
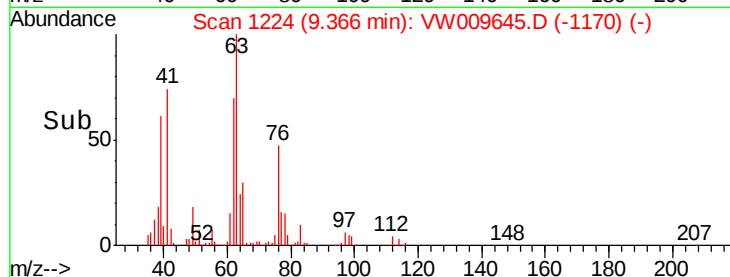
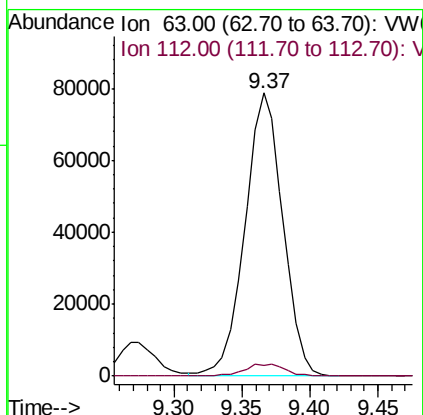
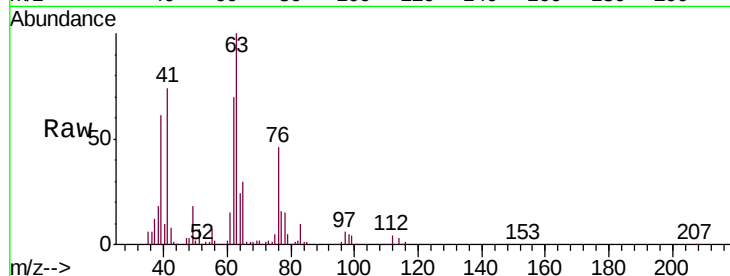




#40
 1,2-Dichloropropane
 Concen: 28.000 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

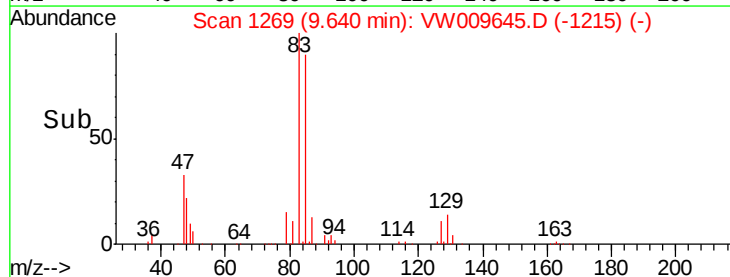
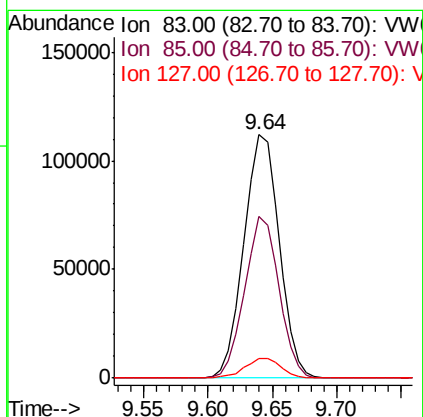
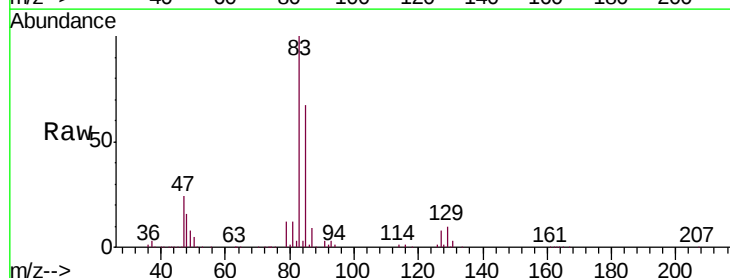
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

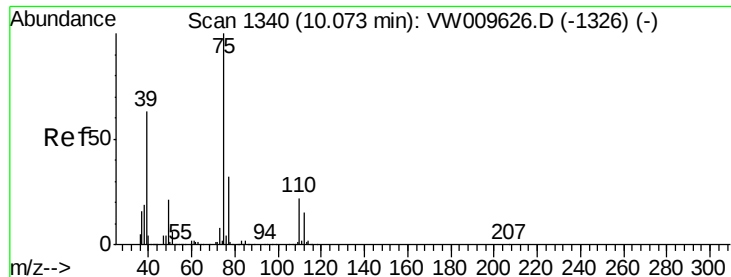
Tgt Ion: 63 Resp: 153654
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.0 6.0



#41
 Bromodichloromethane
 Concen: 28.051 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Tgt Ion: 83 Resp: 213282
 Ion Ratio Lower Upper
 83 100
 85 66.6 43.5 80.7
 127 8.1 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 25.960 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

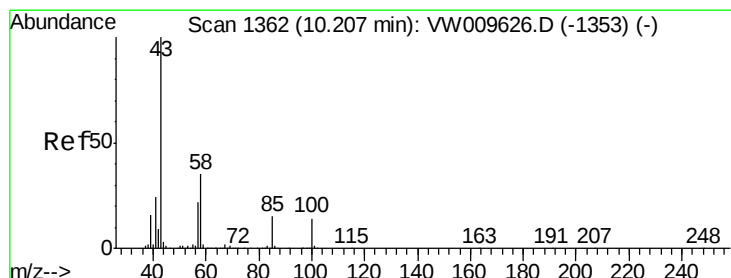
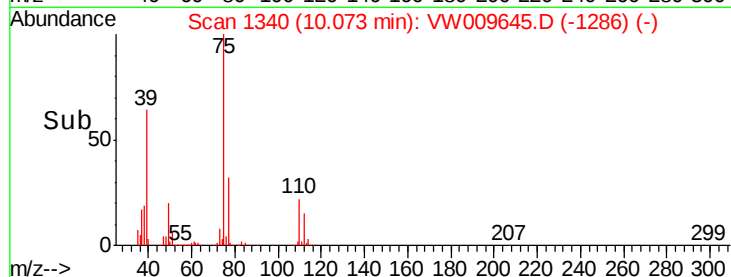
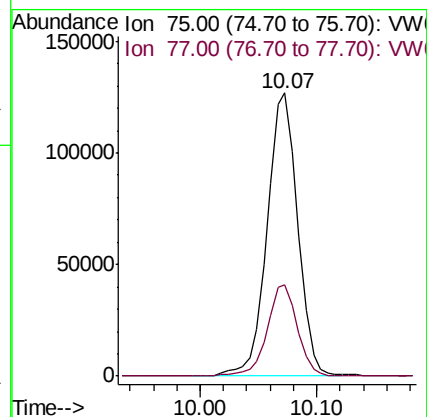
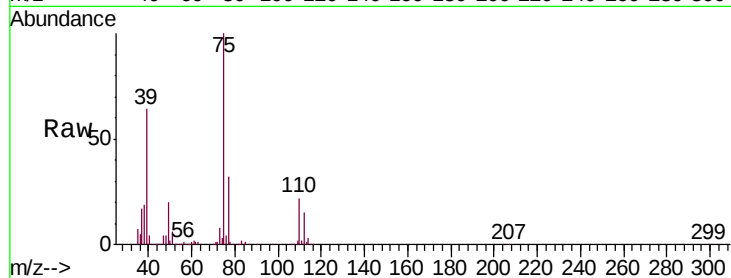
VSTD02507

Tgt Ion: 75 Resp: 232021

Ion Ratio Lower Upper

75 100

77 32.5 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 56.926 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

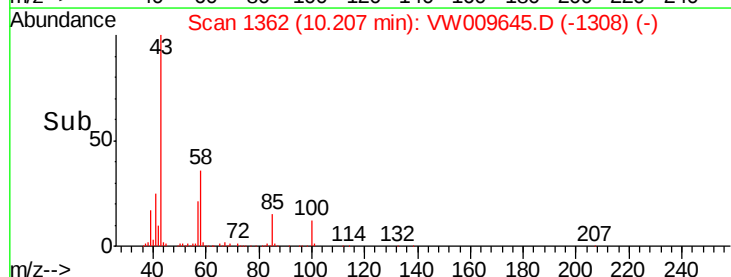
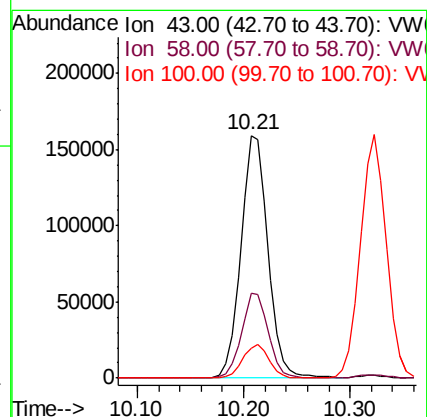
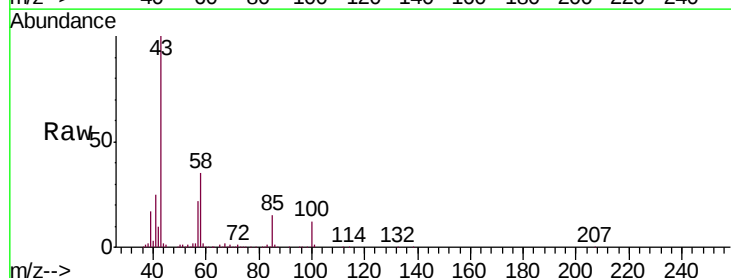
Tgt Ion: 43 Resp: 283069

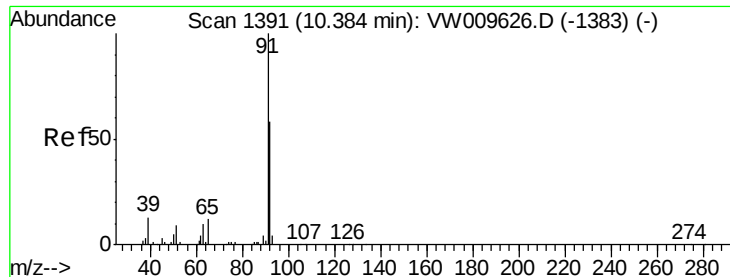
Ion Ratio Lower Upper

43 100

58 34.8 28.2 42.2

100 13.4 11.4 17.2





#44

Toluene

Concen: 26.948 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

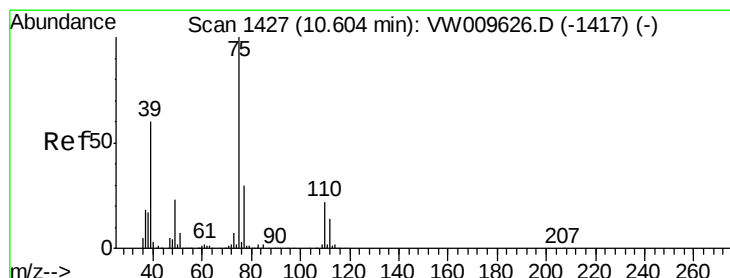
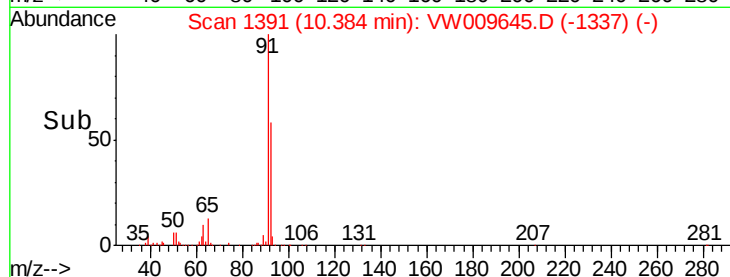
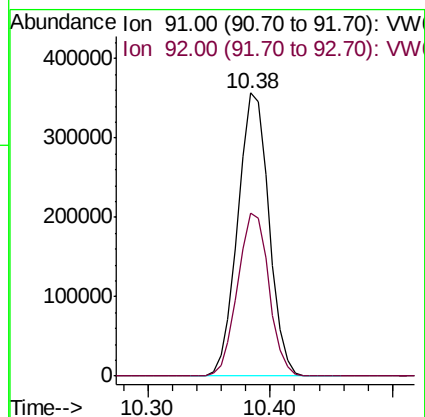
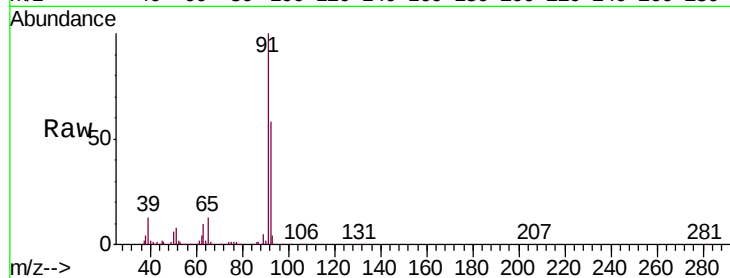
VSTD02507

Tgt Ion: 91 Resp: 630078

Ion Ratio Lower Upper

91 100

92 57.7 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 26.665 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009645.D

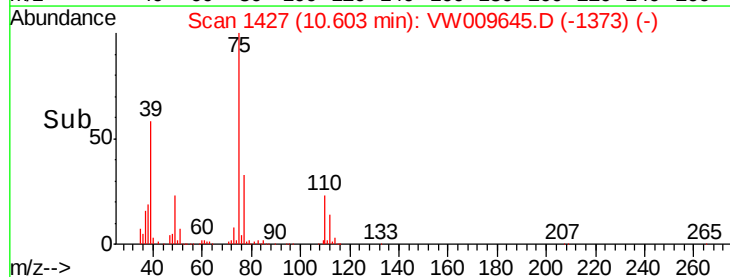
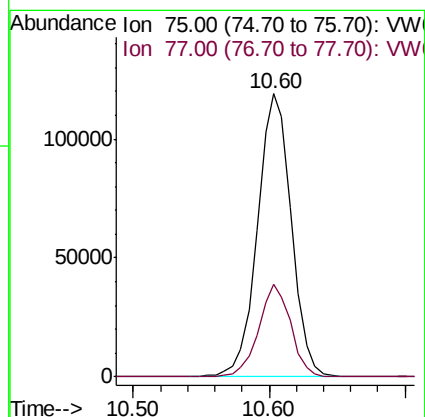
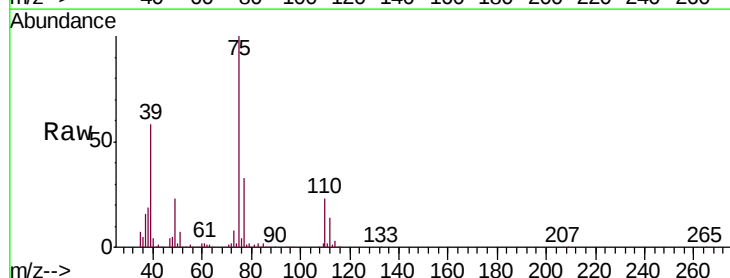
Acq: 02 Apr 2019 01:11

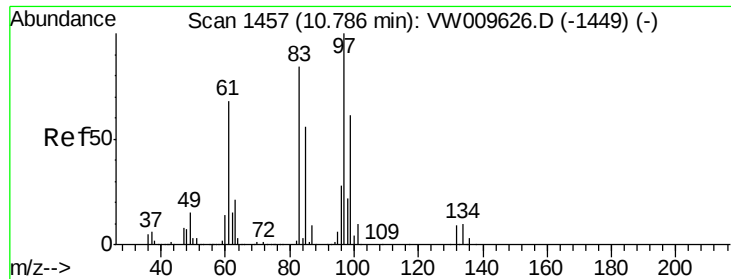
Tgt Ion: 75 Resp: 207320

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 27.972 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampled :

VSTD02507

Tgt Ion: 97 Resp: 122458

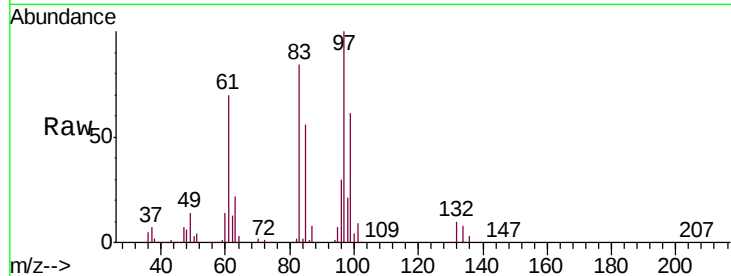
Ion Ratio Lower Upper

97 100

83 83.5 60.7 112.7

85 55.7 40.1 74.5

99 61.2 43.8 81.3



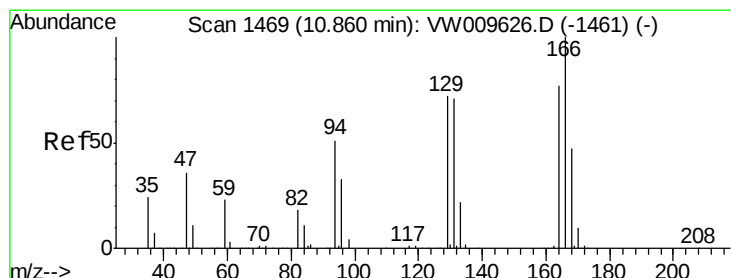
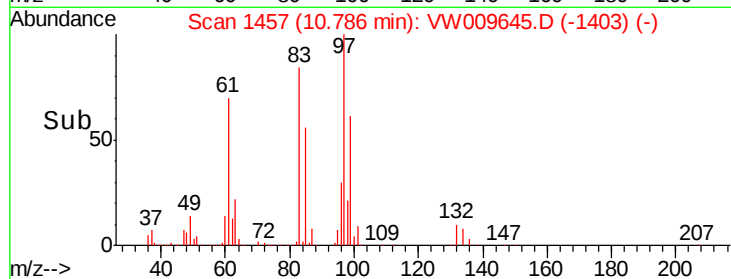
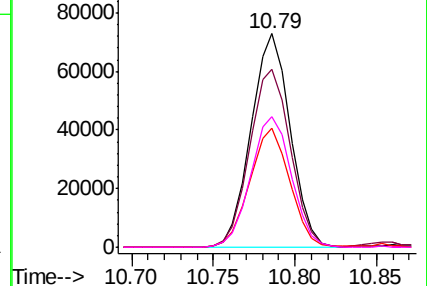
Abundance

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: 24.296 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Tgt Ion: 164 Resp: 116981

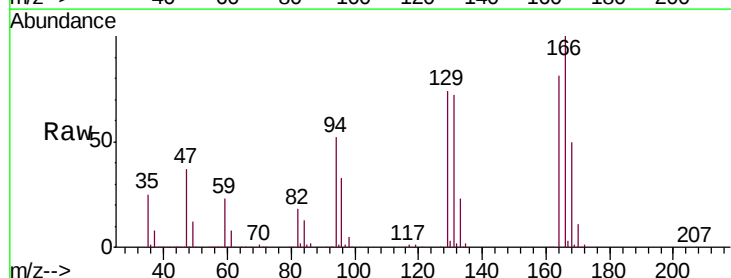
Ion Ratio Lower Upper

164 100

129 91.2 66.5 123.5

131 88.9 62.6 116.3

166 123.9 91.6 170.0



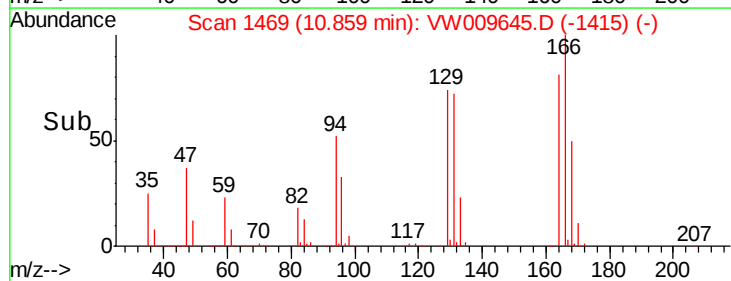
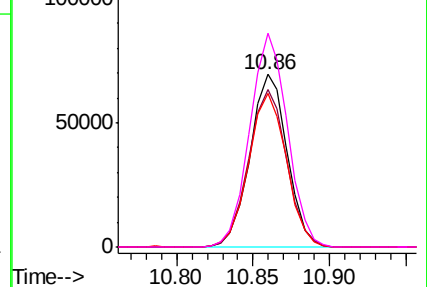
Abundance

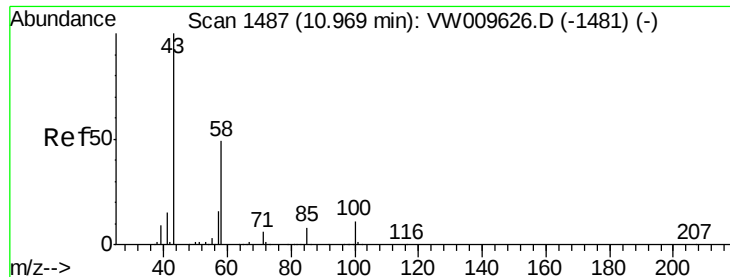
Ion 164.00 (163.70 to 164.70): V

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

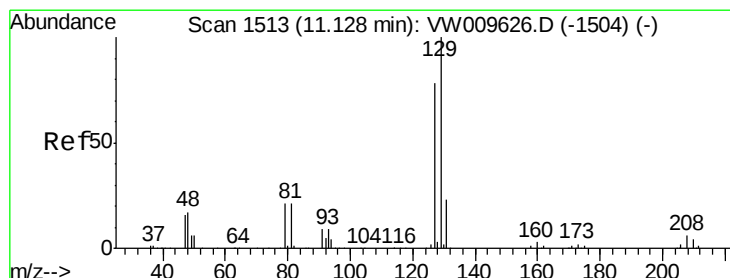
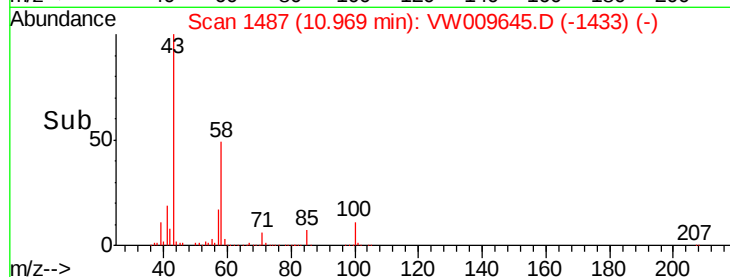
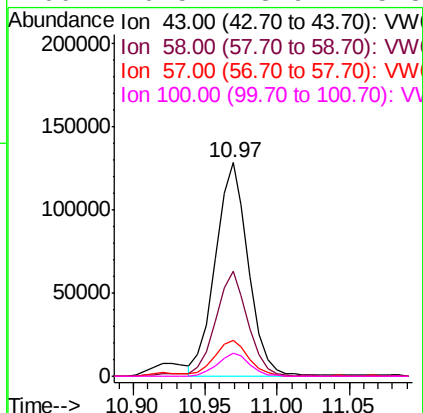
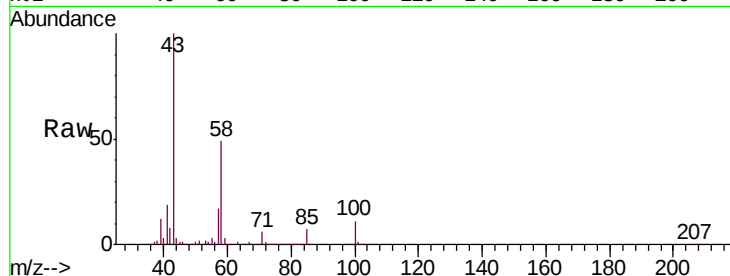




#49
2-Hexanone
Concen: 58.423 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009645.D
Acq: 02 Apr 2019 01:11

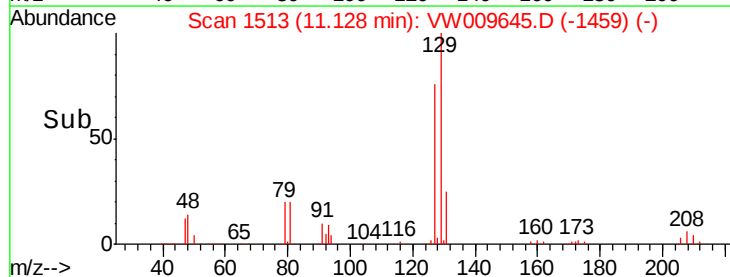
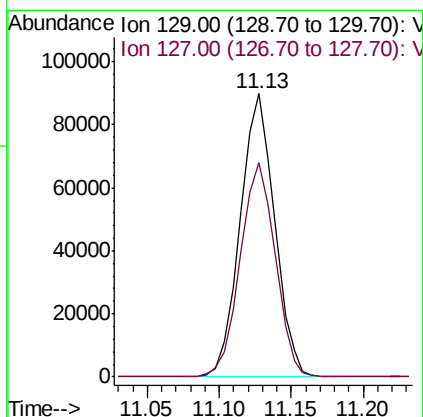
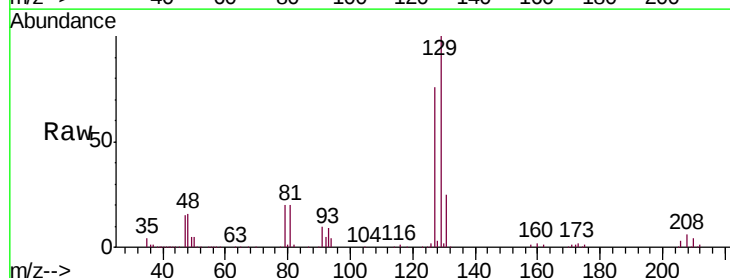
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

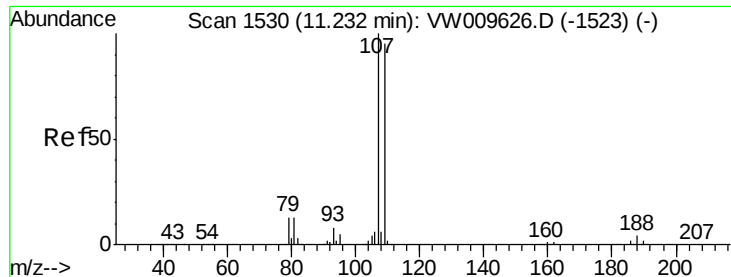
Tgt Ion:	43	Resp:	204611
Ion	Ratio	Lower	Upper
43	100		
58	47.8	39.2	58.8
57	17.5	14.2	21.2
100	10.5	8.9	13.3



#50
Dibromochloromethane
Concen: 27.541 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009645.D
Acq: 02 Apr 2019 01:11

Tgt Ion:	129	Resp:	148840
Ion	Ratio	Lower	Upper
129	100		
127	75.5	56.8	105.6

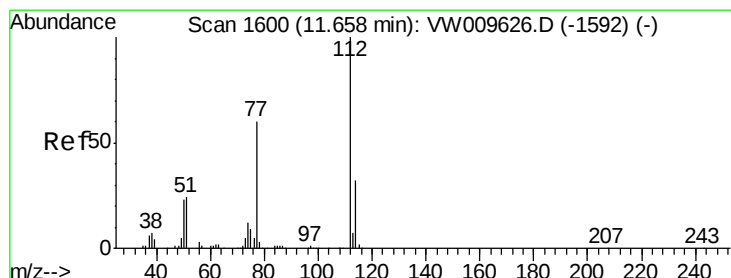
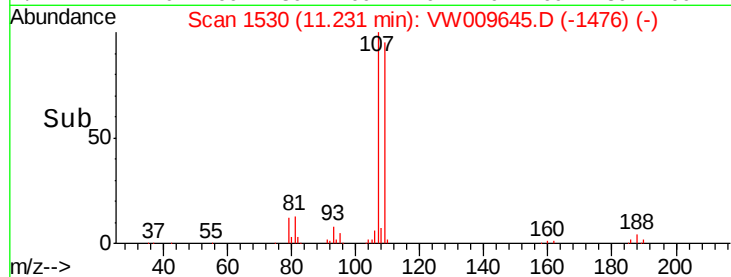
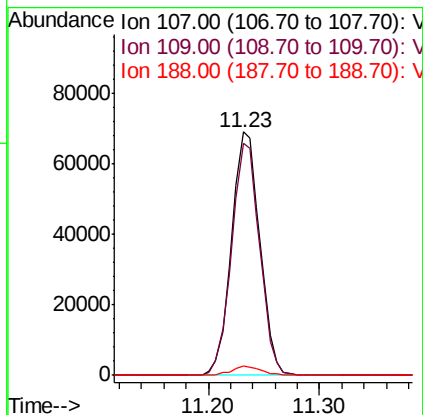
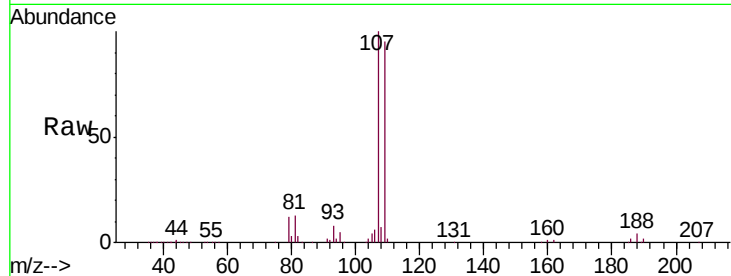




#51
 1,2-Dibromoethane
 Concen: 27.353 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

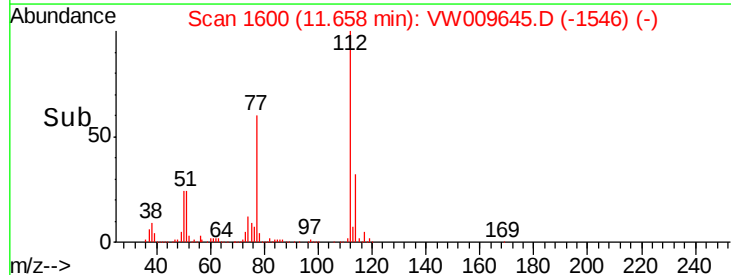
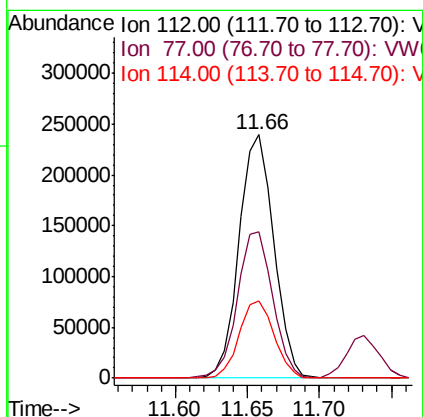
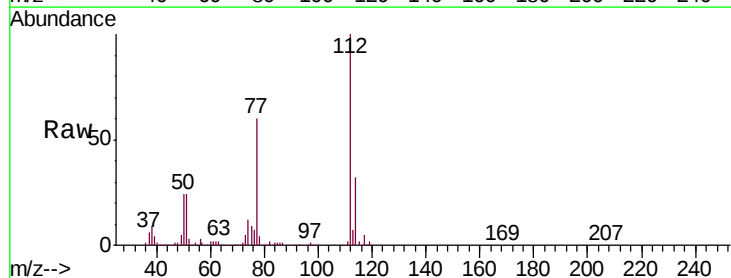
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

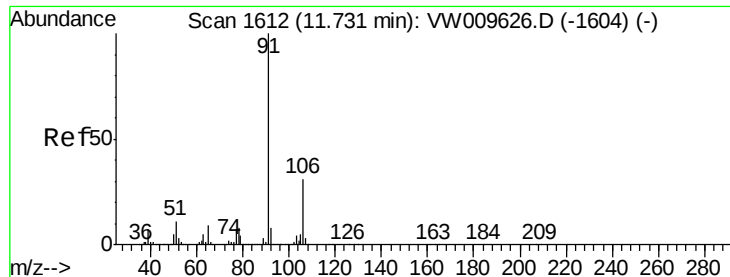
Tgt Ion:107 Resp: 121399
 Ion Ratio Lower Upper
 107 100
 109 95.2 68.0 126.4
 188 3.7 3.5 5.3



#52
 Chlorobenzene
 Concen: 26.751 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Tgt Ion:112 Resp: 401173
 Ion Ratio Lower Upper
 112 100
 77 59.9 45.7 68.5
 114 32.0 22.8 42.4





#53

Ethylbenzene

Concen: 27.302 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

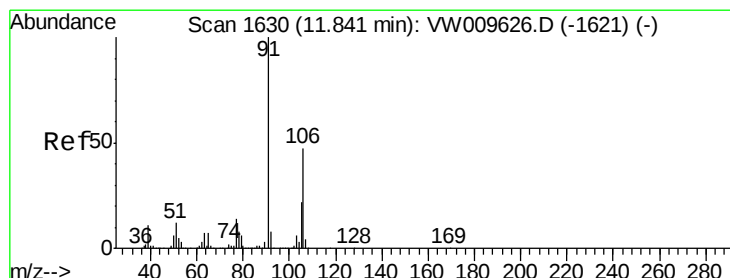
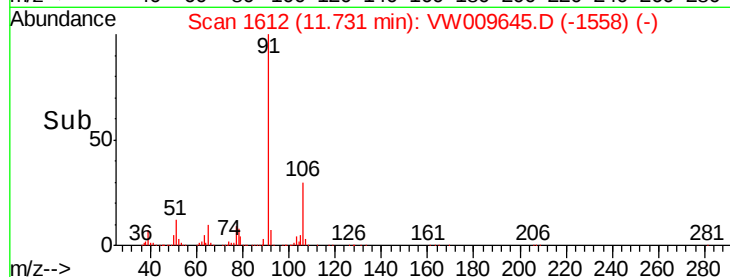
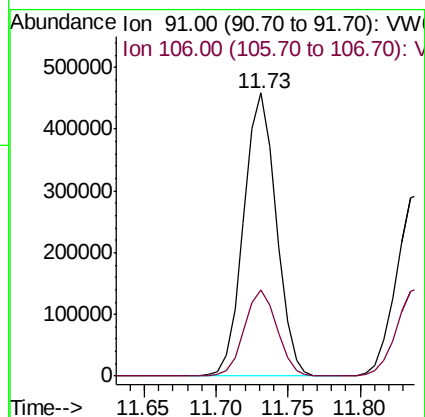
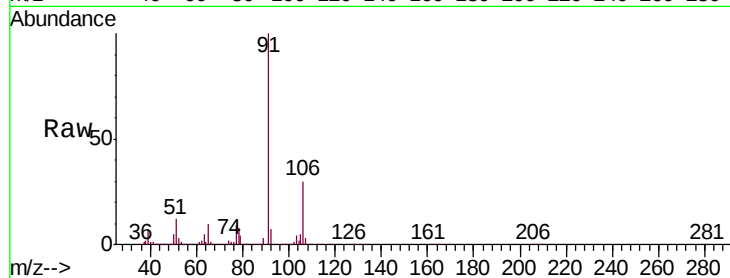
VSTD02507

Tgt Ion: 91 Resp: 717690

Ion Ratio Lower Upper

91 100

106 30.4 21.0 39.0



#54

m,p-Xylene

Concen: 26.734 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009645.D

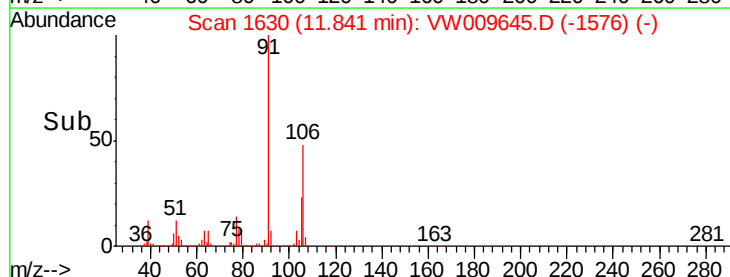
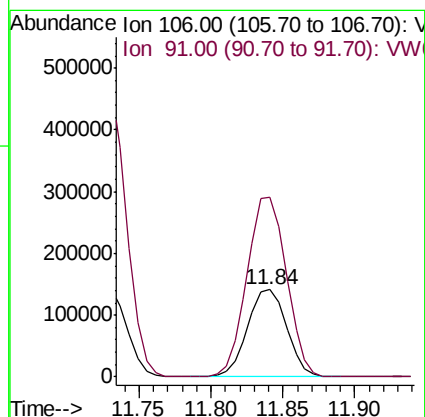
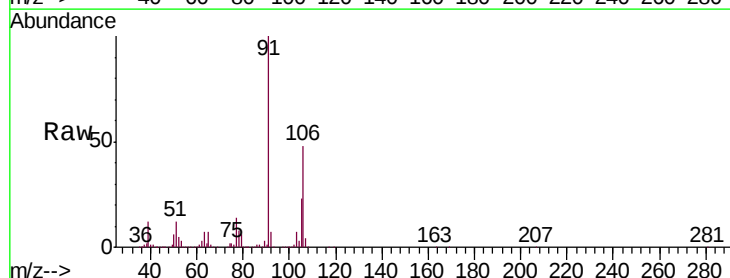
Acq: 02 Apr 2019 01:11

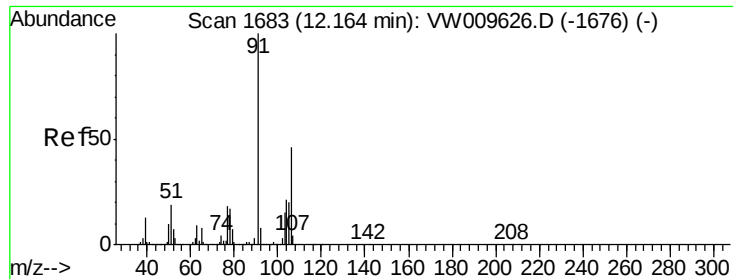
Tgt Ion: 106 Resp: 266988

Ion Ratio Lower Upper

106 100

91 206.5 138.4 257.0

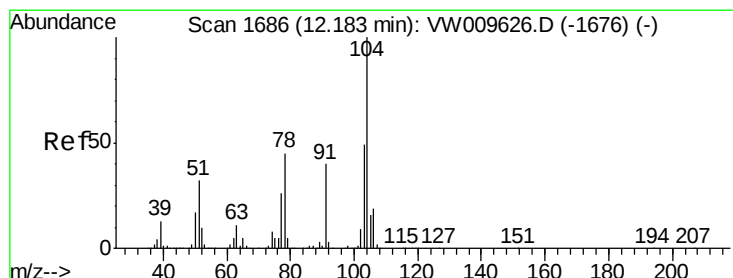
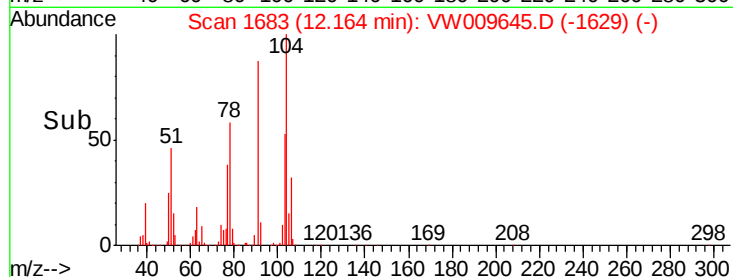
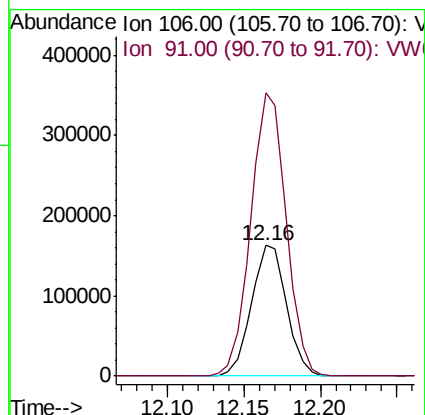
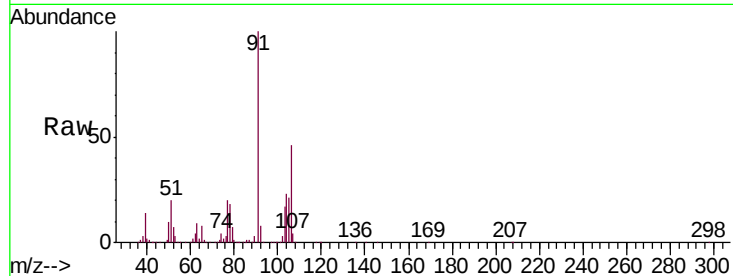




#55
o-xylene
Concen: 26.723 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009645.D
Acq: 02 Apr 2019 01:11

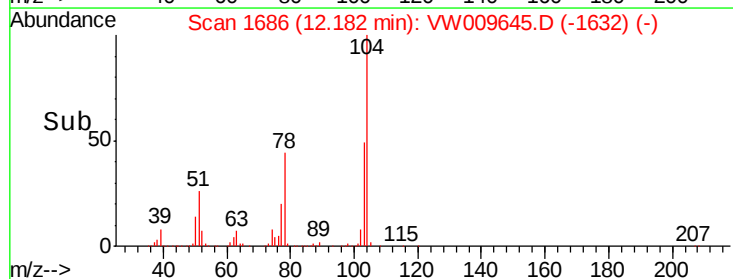
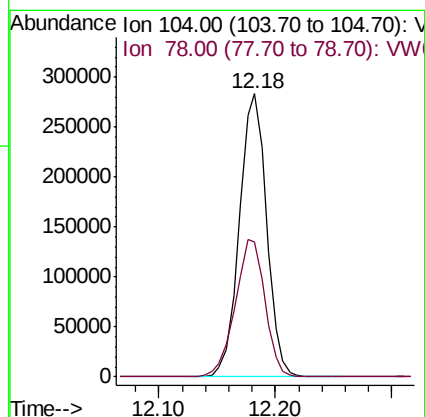
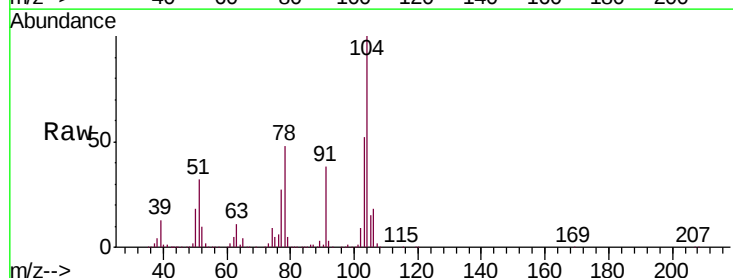
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

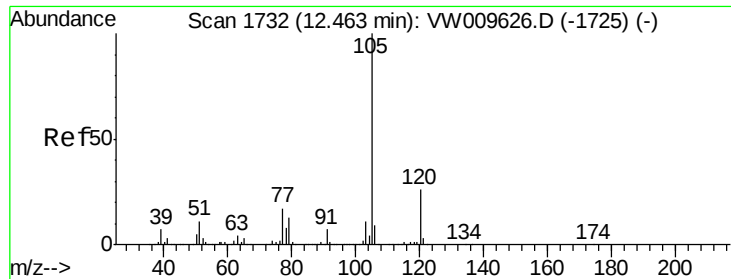
Tgt Ion:106 Resp: 260360
Ion Ratio Lower Upper
106 100
91 217.0 153.2 284.4



#56
Styrene
Concen: 27.834 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009645.D
Acq: 02 Apr 2019 01:11

Tgt Ion:104 Resp: 462695
Ion Ratio Lower Upper
104 100
78 47.6 30.9 57.3





#57

Isopropylbenzene

Concen: 27.443 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

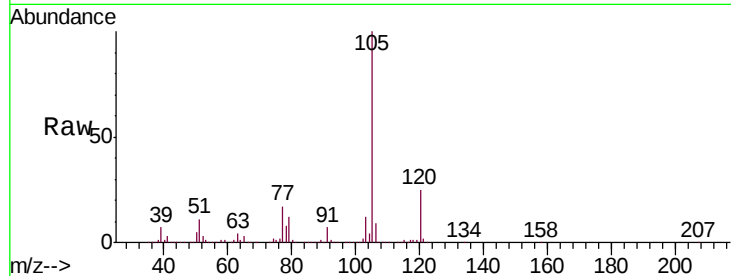
Tgt Ion:105 Resp: 716247

Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

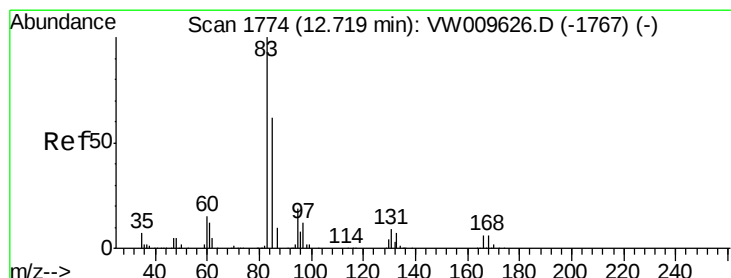
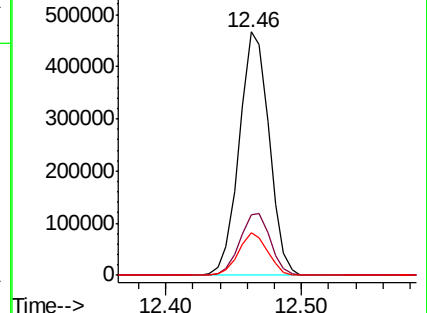
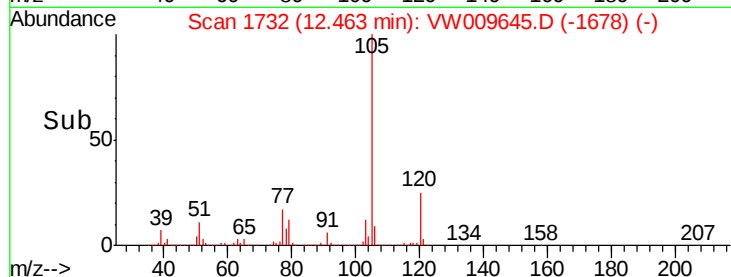
77 17.0 13.1 19.7



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: 29.083 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

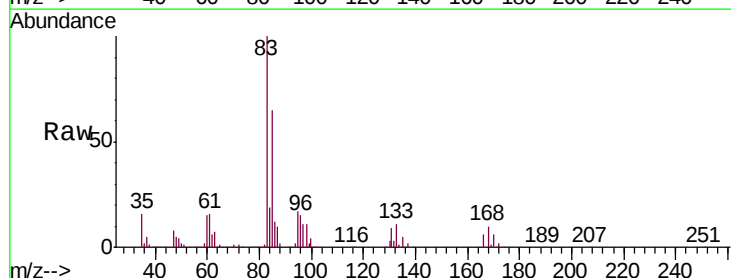
Tgt Ion: 83 Resp: 171765

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.8

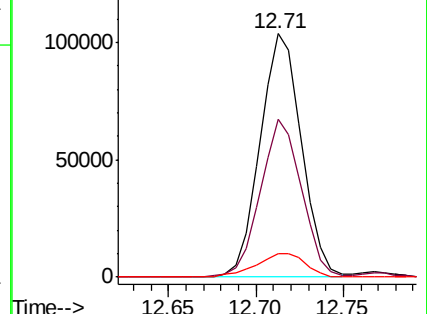
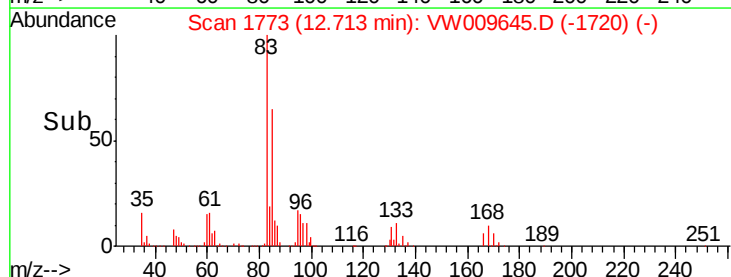
131 9.5 9.2 13.8

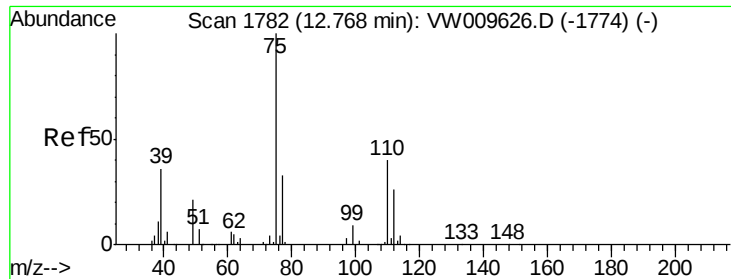


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.686 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

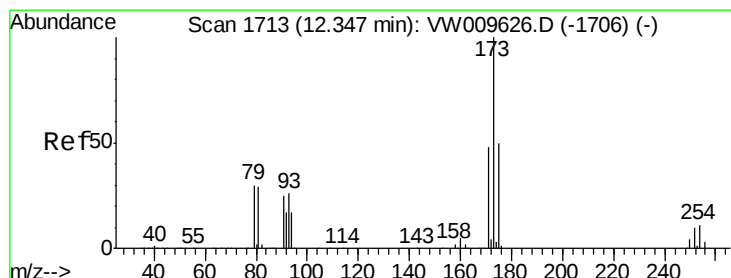
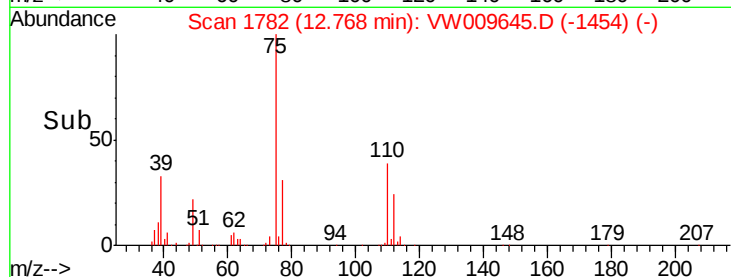
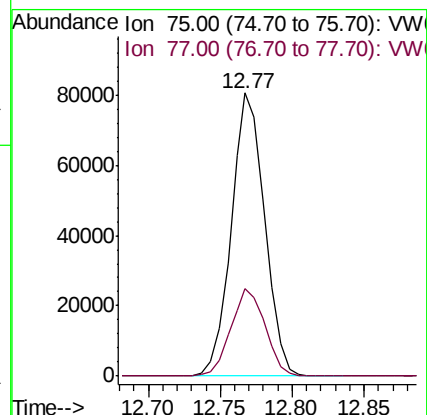
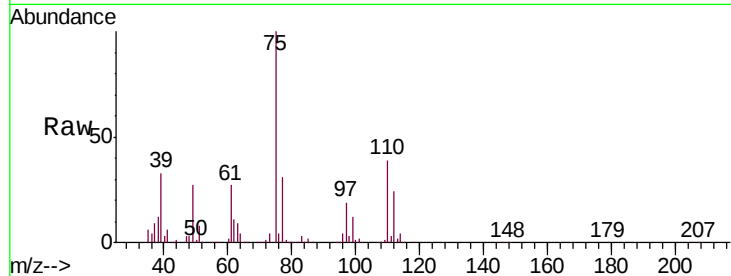
VSTD02507

Tgt Ion: 75 Resp: 130119

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2



#62

Bromoform

Concen: 26.181 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

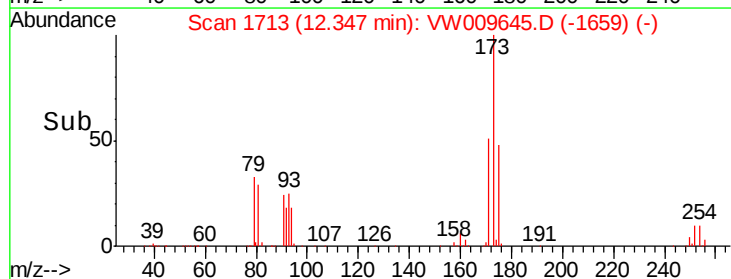
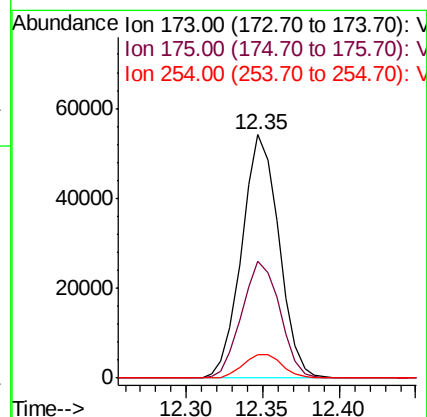
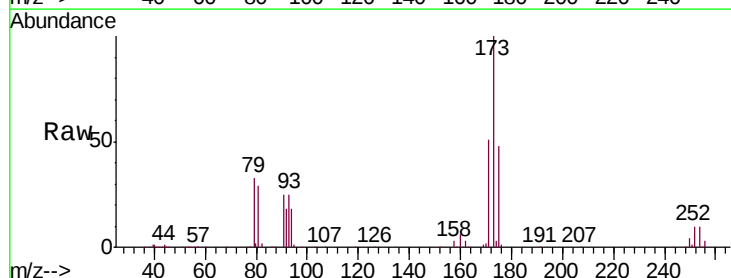
Tgt Ion: 173 Resp: 91442

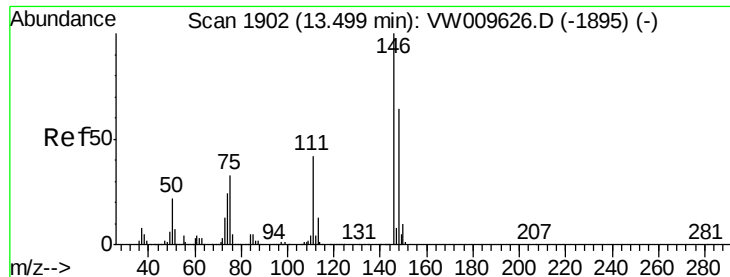
Ion Ratio Lower Upper

173 100

175 49.4 39.7 59.5

254 10.2 8.5 12.7

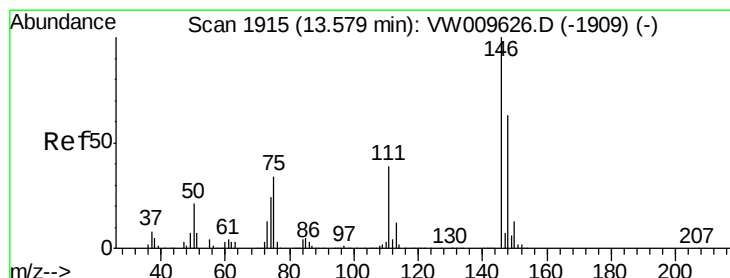
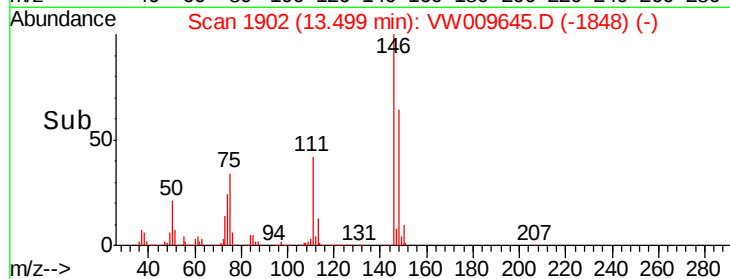
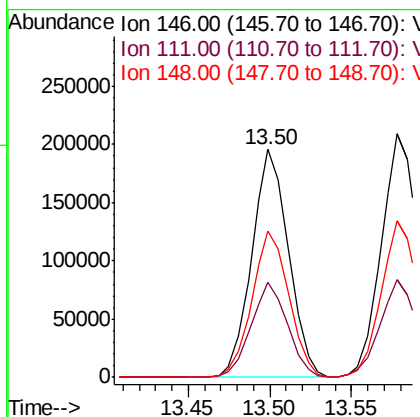
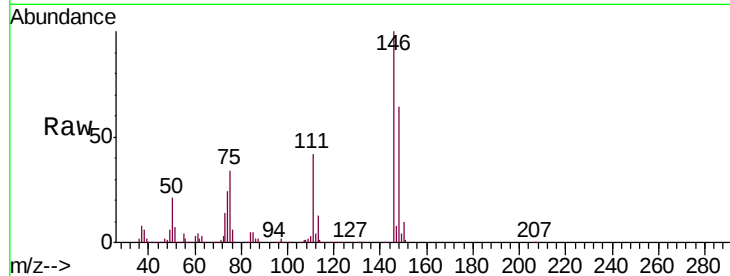




#63
 1,3-Dichlorobenzene
 Concen: 24.830 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

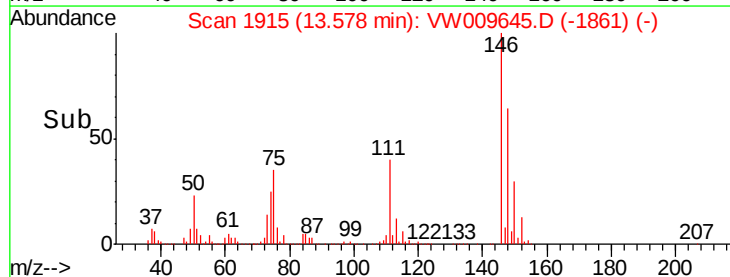
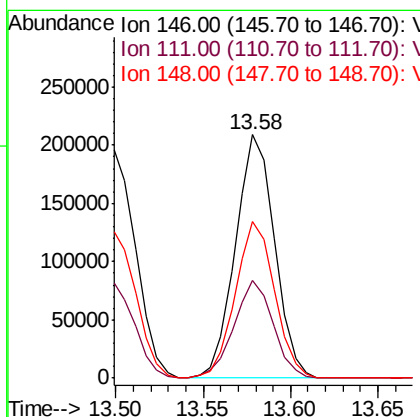
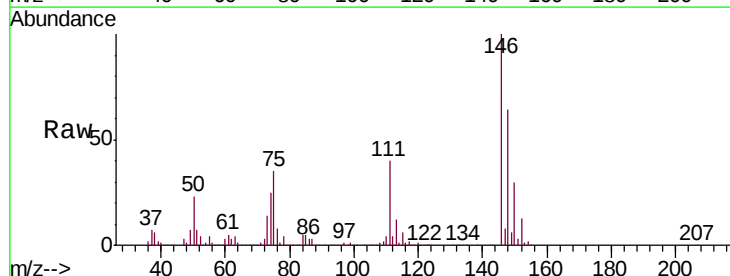
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

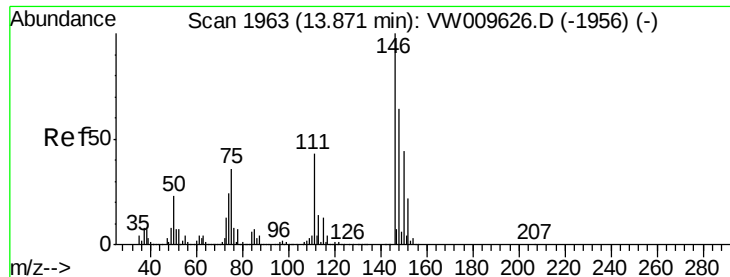
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	26.9	49.9
148	64.3	45.1	83.7



#64
 1,4-Dichlorobenzene
 Concen: 25.638 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.8	51.6
148	64.4	46.3	86.1

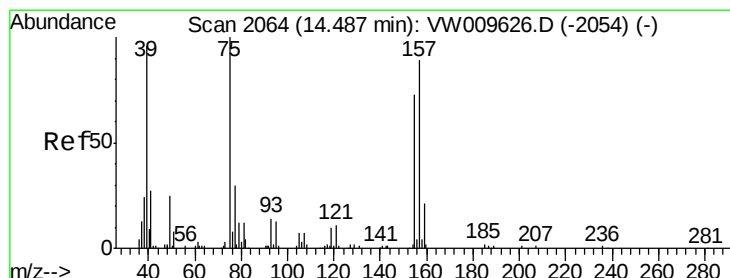
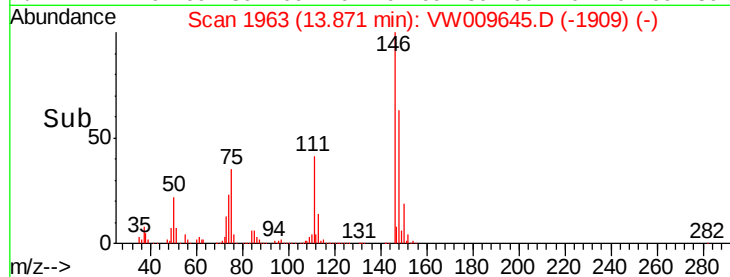
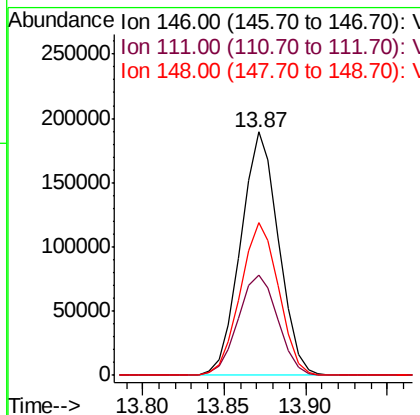
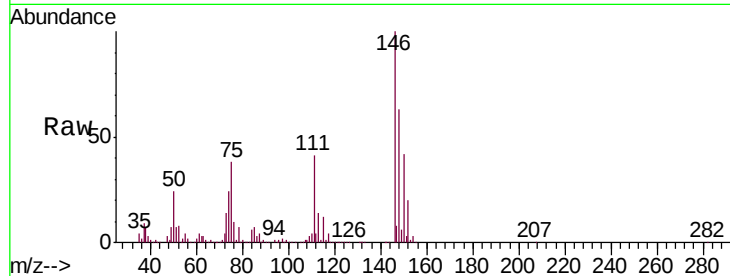




#65
 1,2-Dichlorobenzene
 Concen: 25.997 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

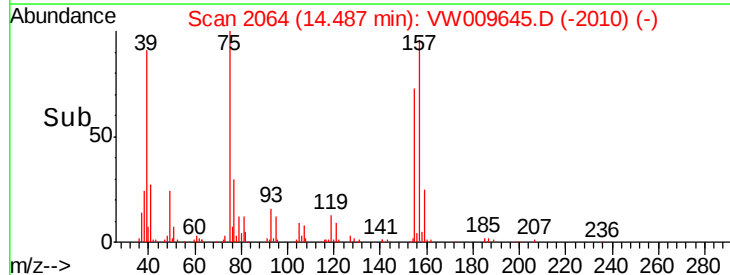
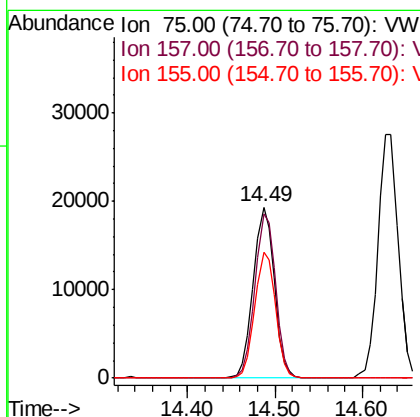
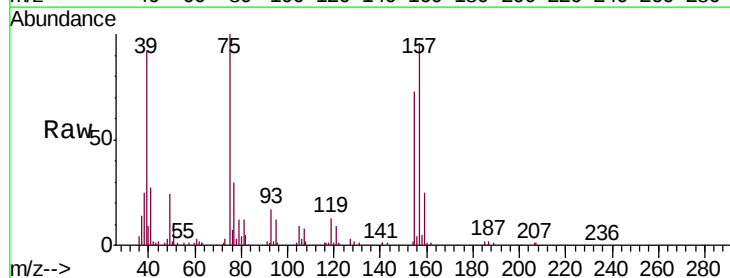
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

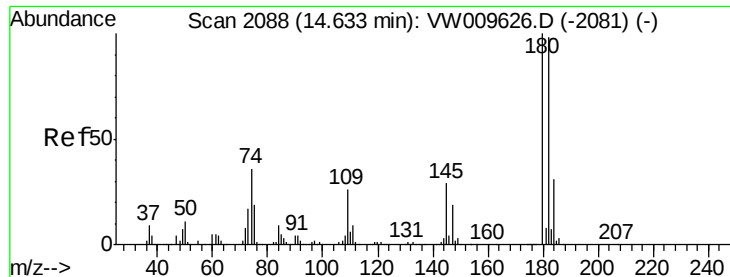
Tgt Ion:146 Resp: 305440
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.5 50.3
 148 62.8 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.119 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Tgt Ion: 75 Resp: 32378
 Ion Ratio Lower Upper
 75 100
 157 96.1 89.0 133.4
 155 73.4 64.2 96.2

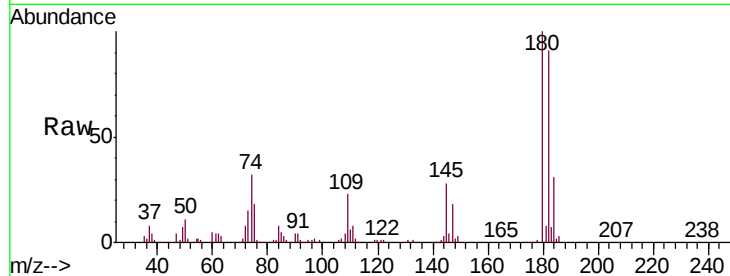




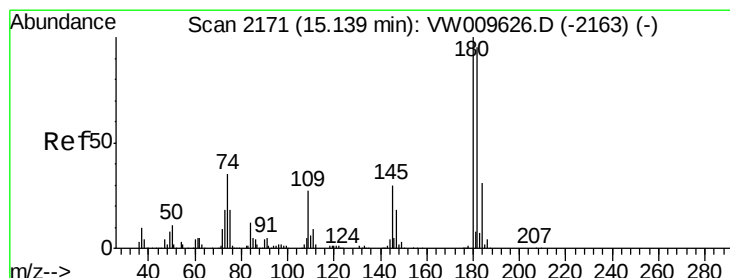
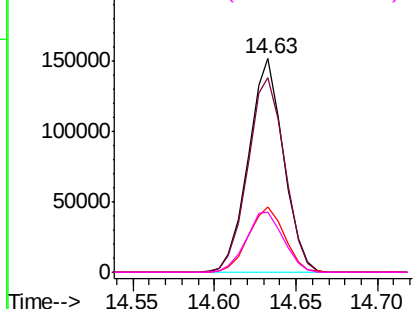
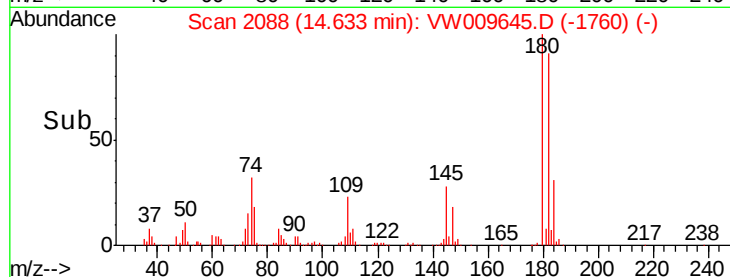
#67
 1,3,5-Trichlorobenzene
 Concen: 23.613 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Tgt Ion:180 Resp: 226905
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.1 114.1
 184 31.3 23.8 35.6
 145 30.0 23.4 35.2

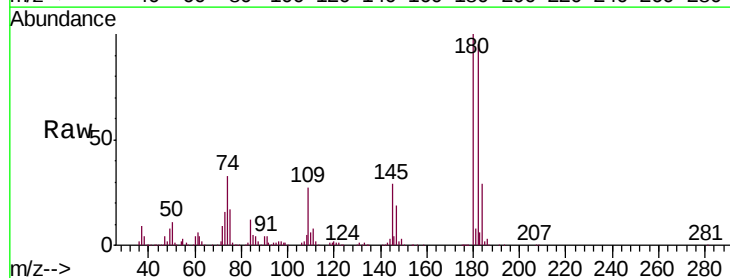


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

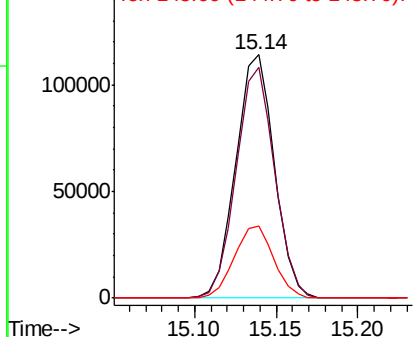
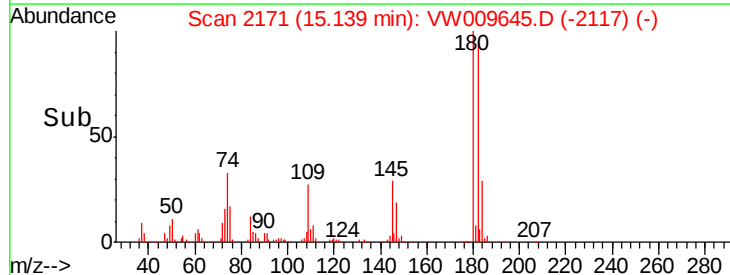


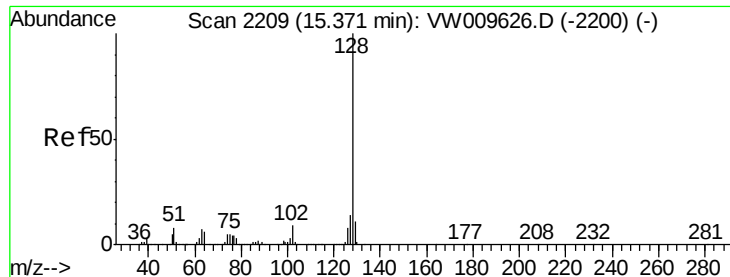
#68
 1,2,4-trichlorobenzene
 Concen: 23.303 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009645.D
 Acq: 02 Apr 2019 01:11

Tgt Ion:180 Resp: 188097
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.5 113.3
 145 30.3 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: 26.251 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

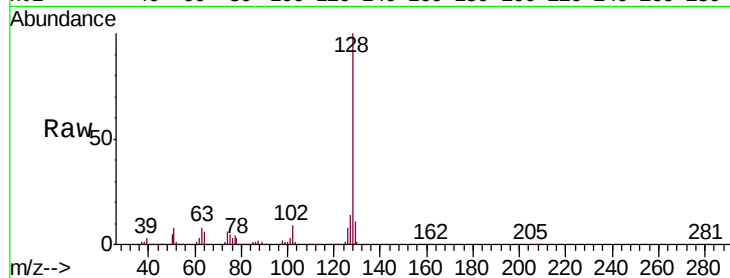
Tgt Ion:128 Resp: 439300

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

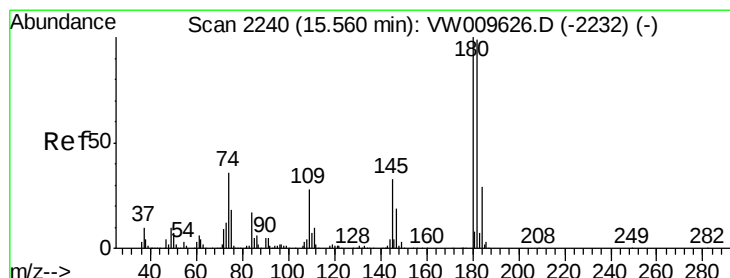
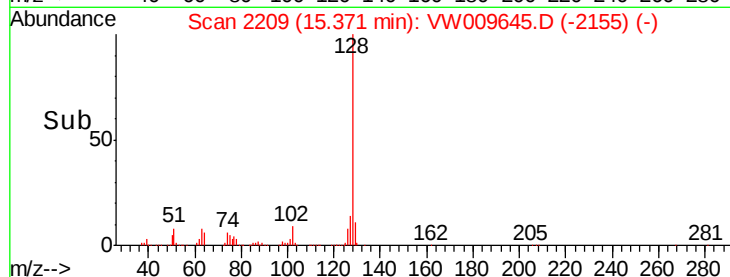
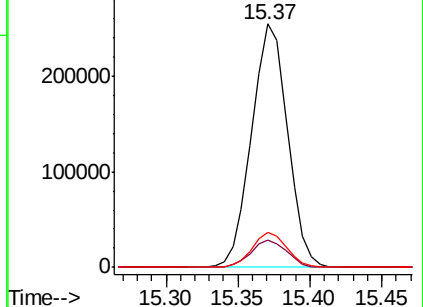
127 14.0 11.1 16.7



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: 25.112 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009645.D

Acq: 02 Apr 2019 01:11

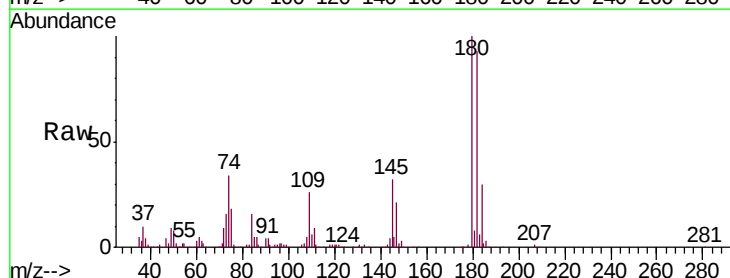
Tgt Ion:180 Resp: 189850

Ion Ratio Lower Upper

180 100

182 94.2 77.2 115.8

145 33.0 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

