

Data File : VW009626.D
Acq On : 01 Apr 2019 15:14
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

Quant Time: Apr 02 01:27:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 21:16:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	467965	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	445508	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	236317	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	101163	18.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.36%
7) Chloroethane-d5	2.89	69	117485	17.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.80%
10) 1,1-Dichloroethene-d2	4.01	63	266356	22.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.16%
20) 2-Butanone-d5	7.07	46	132420	57.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.52%
24) Chloroform-d	7.64	84	305629	23.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.72%
26) 1,2-Dichloroethane-d4	8.30	65	188076	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.80%
29) Benzene-d6	8.27	84	533732	21.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.88%
33) 1,2-Dichloropropane-d6	9.27	67	171023	23.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.72%
37) Toluene-d8	10.32	98	492001	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.64%
38) trans-1,3-Dichloropropene-	10.57	79	80465	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.84%
39) 2-Hexanone-d5	10.92	63	102286	57.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	198167	27.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	198617	21.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	129240	20.965 ug/L	93
3) Chloromethane	2.21	50	131917	20.169 ug/L	97
5) Vinyl chloride	2.37	62	172411	25.610 ug/L	96
6) Bromomethane	2.78	94	121042	21.461 ug/L	97
8) Chloroethane	2.93	64	121698	21.850 ug/L	97
9) Trichlorofluoromethane	3.26	101	141024	26.520 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	135971	22.141 ug/L #	89
12) 1,1-Dichloroethene	4.04	96	136706	23.723 ug/L	84
13) Acetone	4.12	43	104965	55.345 ug/L	98
14) Carbon disulfide	4.37	76	380854	24.557 ug/L	98
15) Methyl Acetate	4.67	43	94702	25.418 ug/L	99
16) Methylene chloride	4.91	84	164877	24.161 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	213514	26.186 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	139729	23.063 ug/L	89
19) 1,1-Dichloroethane	6.21	63	281127	25.448 ug/L	99
21) 2-Butanone	7.17	43	138956	53.064 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	155634	23.713 ug/L	93

Data File : VW009626.D
Acq On : 01 Apr 2019 15:14
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

Quant Time: Apr 02 01:27:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 21:16:55 2019
Response via : Initial Calibration

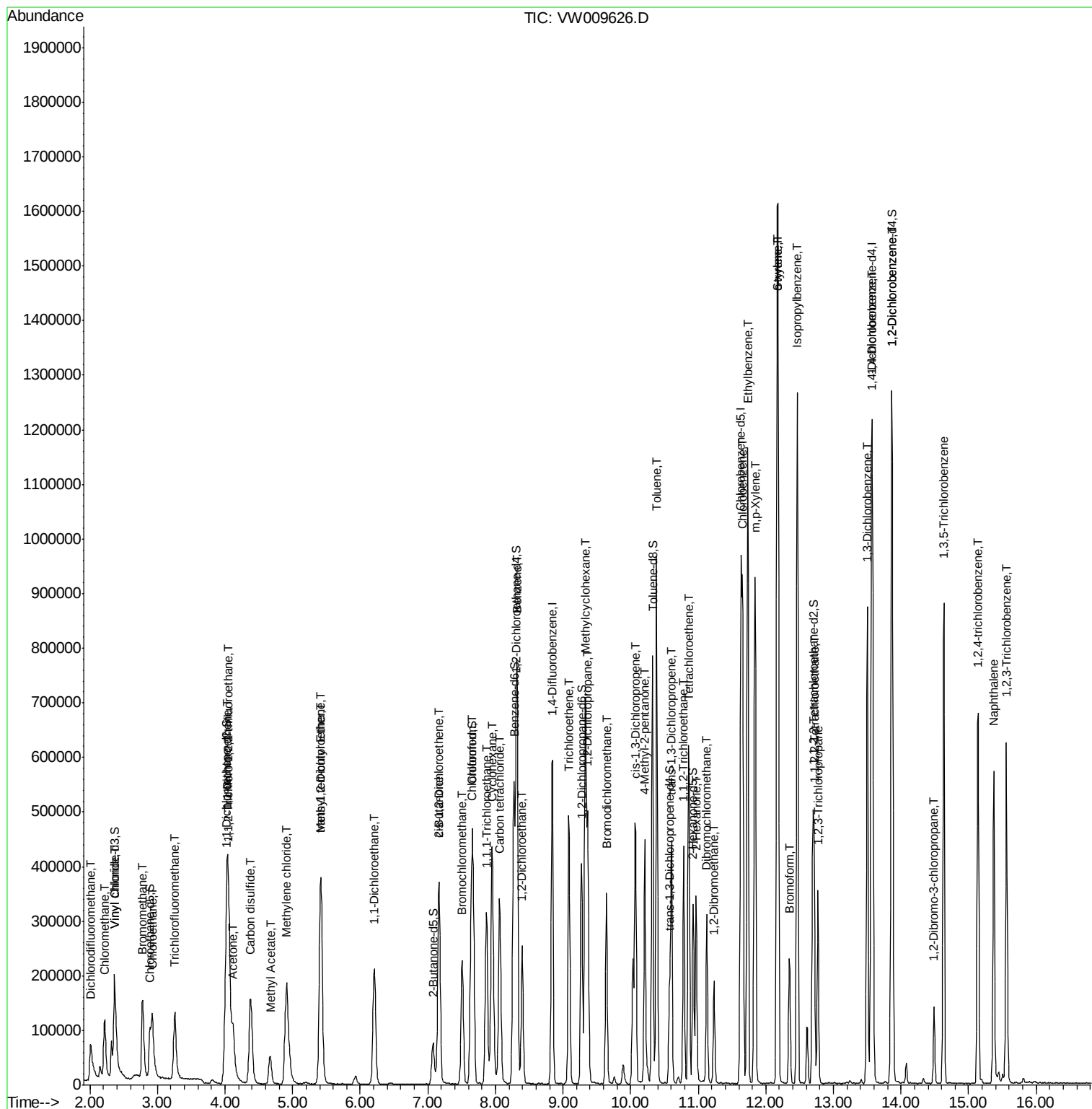
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	73393	23.315	ug/L	95
25) Chloroform	7.67	83	297992	25.758	ug/L	99
27) 1,2-Dichloroethane	8.40	62	225804	26.179	ug/L	99
30) Cyclohexane	7.95	56	237127	23.436	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	243710	27.390	ug/L	99
32) Carbon tetrachloride	8.07	117	236758	26.373	ug/L	98
34) Benzene	8.32	78	609672	25.002	ug/L	100
35) Trichloroethene	9.09	95	156921	24.151	ug/L	98
36) Methylcyclohexane	9.33	83	266025	23.665	ug/L	98
40) 1,2-Dichloropropane	9.37	63	160035	25.576	ug/L	99
41) Bromodichloromethane	9.64	83	219460	25.313	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	246374	24.175	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	293069	51.687	ug/L	99
44) Toluene	10.38	91	663198	24.875	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	221450	24.979	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	125262	25.092	ug/L	98
47) Tetrachloroethene	10.86	164	126758	23.088	ug/L	98
49) 2-Hexanone	10.97	43	217461	54.454	ug/L	98
50) Dibromochloromethane	11.13	129	151856	24.642	ug/L	97
51) 1,2-Dibromoethane	11.23	107	123659	24.435	ug/L	98
52) Chlorobenzene	11.66	112	415923	24.323	ug/L	97
53) Ethylbenzene	11.73	91	756140	25.226	ug/L	99
54) m,p-Xylene	11.84	106	285814	25.098	ug/L	91
55) o-xylene	12.16	106	272275	24.508	ug/L	99
56) Styrene	12.18	104	479617	25.303	ug/L	99
57) Isopropylbenzene	12.46	105	756384	25.416	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	177035	26.288	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	132258	26.463	ug/L	99
62) Bromoform	12.35	173	94936	23.776	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	324501	23.040	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	342142	23.497	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	319515	23.788	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	34469	26.185	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	246601	22.448	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	202505	21.946	ug/L	99
69) Naphthalene	15.37	128	454074	23.735	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	195776	22.652	ug/L	99

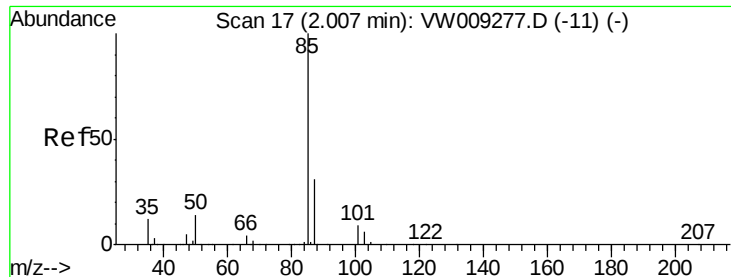
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW009626.D
Acq On : 01 Apr 2019 15:14
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample Id :
VSTD02506

Quant Time: Apr 02 01:27:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 21:16:55 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 20.965 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

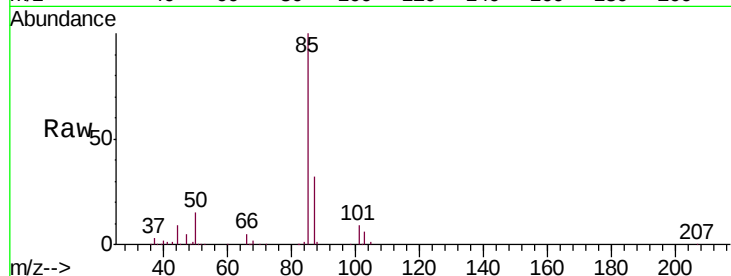
VSTD02506

Tgt Ion: 85 Resp: 129240

Ion Ratio Lower Upper

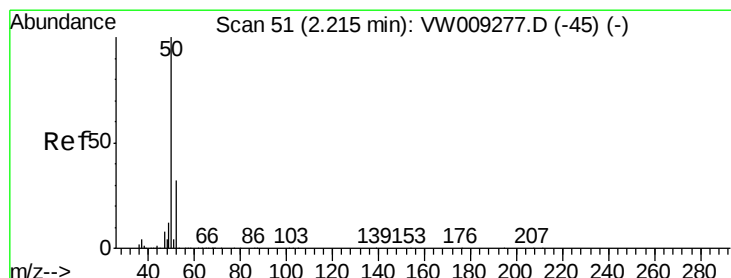
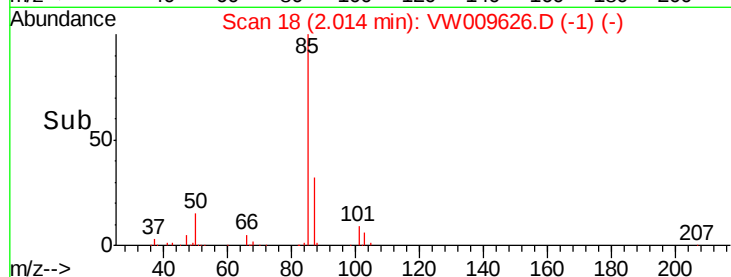
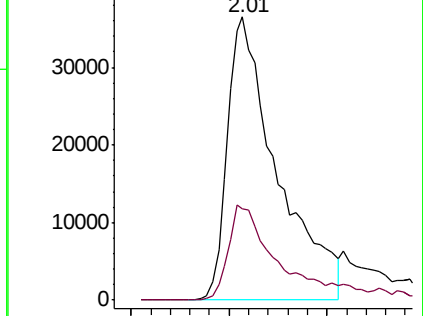
85 100

87 31.8 19.5 36.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.169 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009626.D

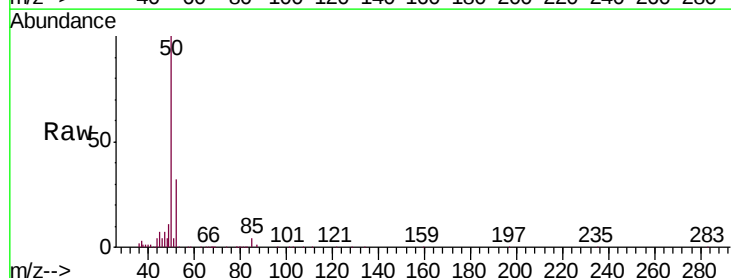
Acq: 01 Apr 2019 15:14

Tgt Ion: 50 Resp: 131917

Ion Ratio Lower Upper

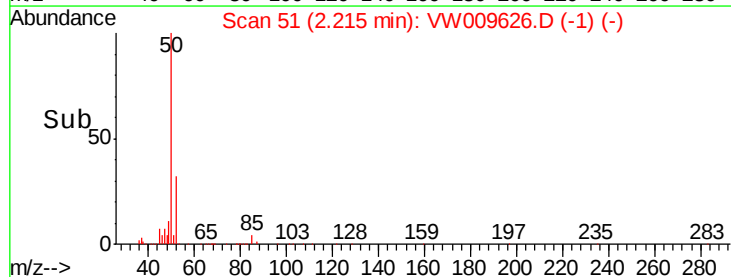
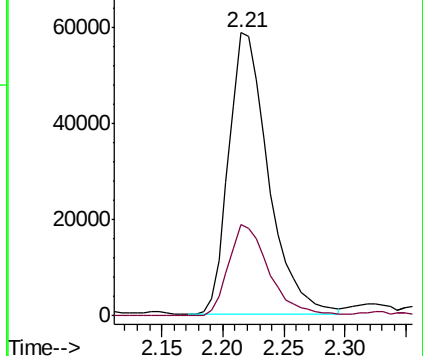
50 100

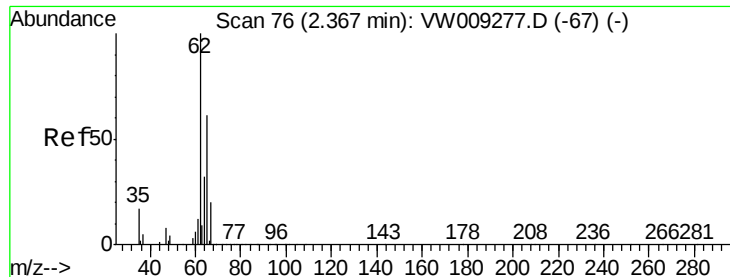
52 32.4 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.610 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

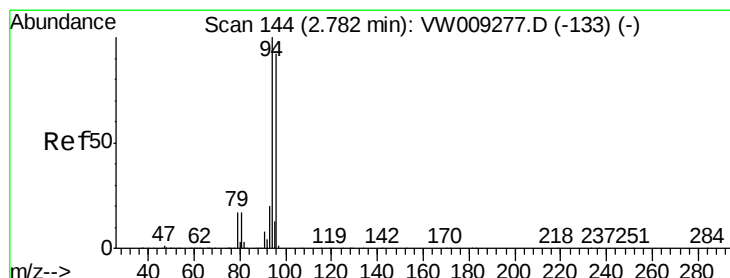
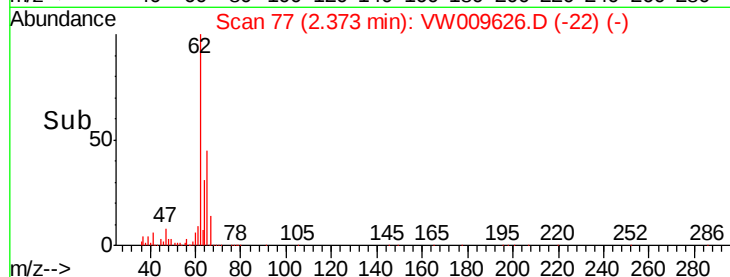
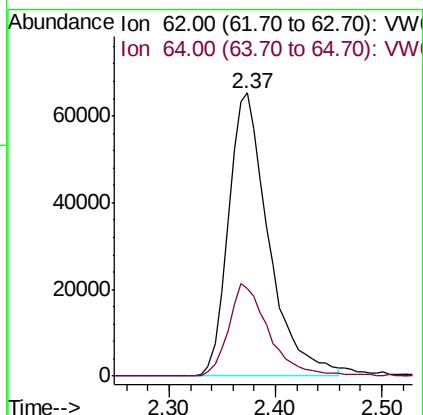
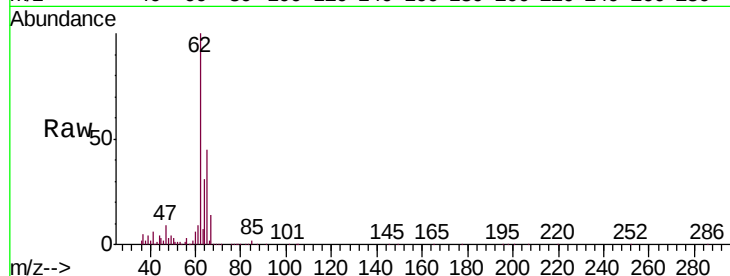
VSTD02506

Tgt Ion: 62 Resp: 172411

Ion Ratio Lower Upper

62 100

64 30.7 23.0 42.6



#6

Bromomethane

Concen: 21.461 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009626.D

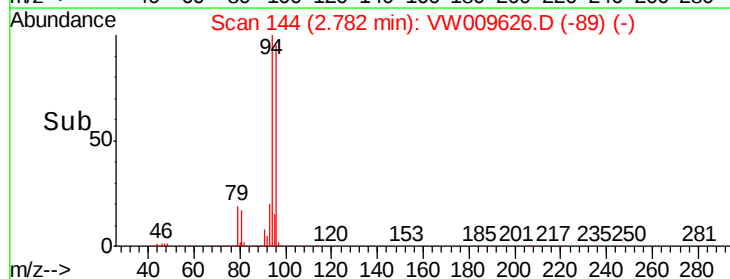
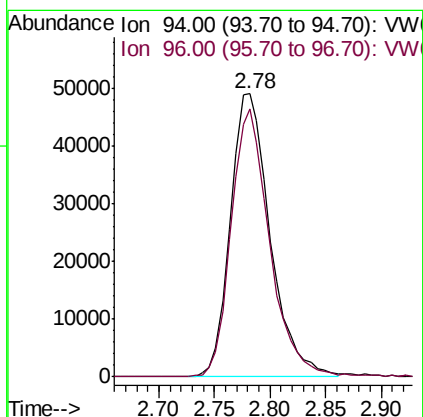
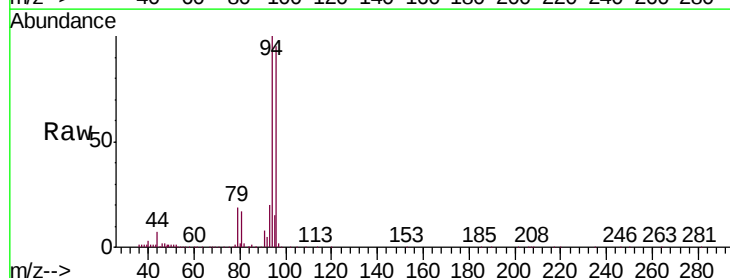
Acq: 01 Apr 2019 15:14

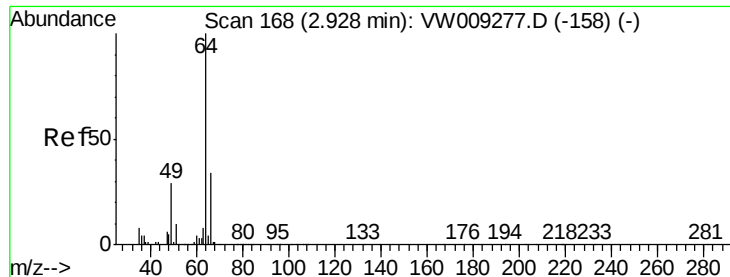
Tgt Ion: 94 Resp: 121042

Ion Ratio Lower Upper

94 100

96 91.1 9.4 178.4





#8

Chloroethane

Concen: 21.850 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

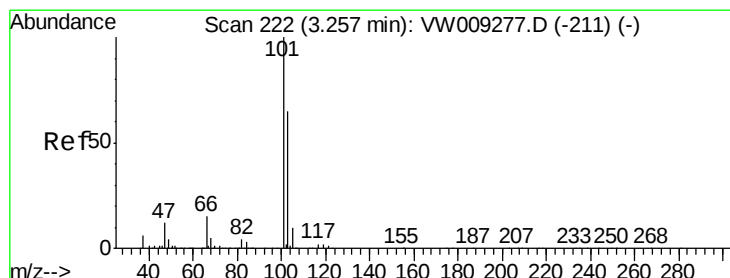
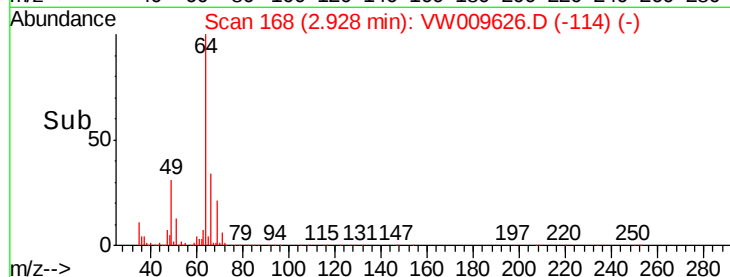
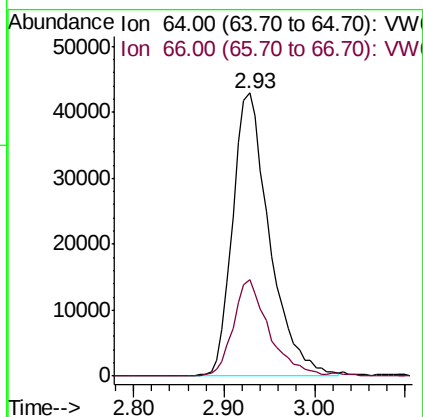
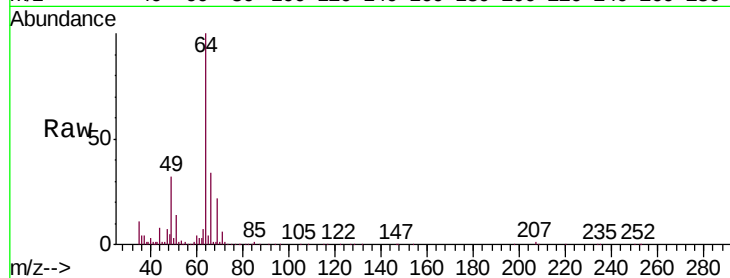
VSTD02506

Tgt Ion: 64 Resp: 121698

Ion Ratio Lower Upper

64 100

66 34.0 25.1 46.7



#9

Trichlorofluoromethane

Concen: 26.520 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW009626.D

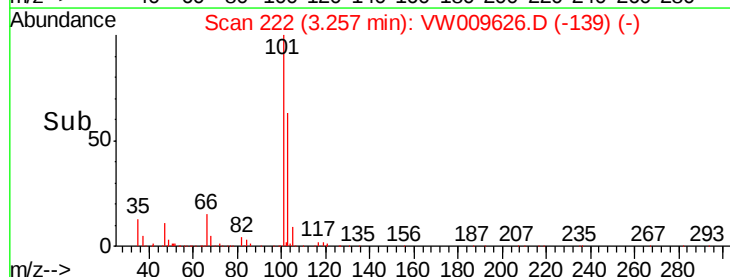
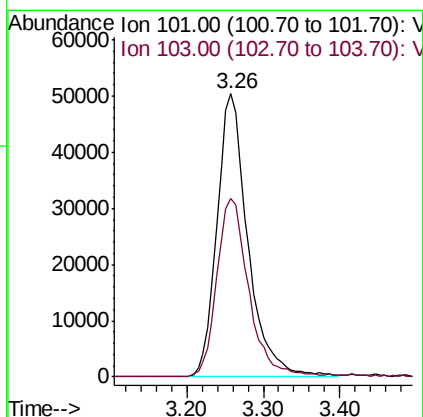
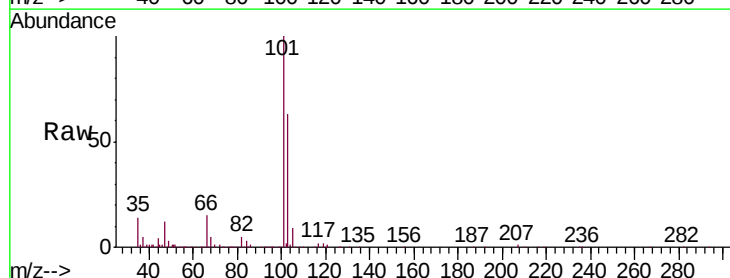
Acq: 01 Apr 2019 15:14

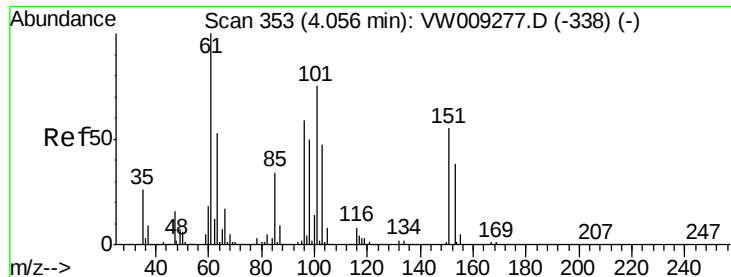
Tgt Ion: 101 Resp: 141024

Ion Ratio Lower Upper

101 100

103 65.1 45.0 83.6





#11

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

Concen: 22.141 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

VSTD02506

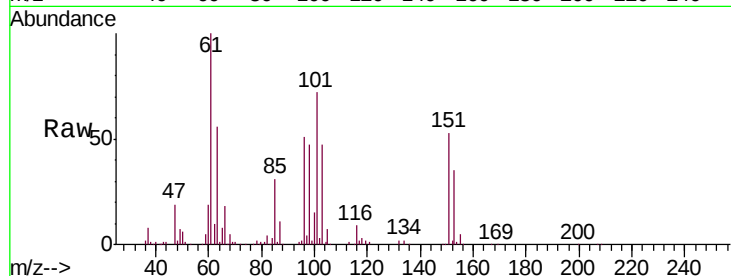
Tgt Ion:101 Resp: 135971

Ion Ratio Lower Upper

101 100

85 21.5 32.6 48.8#

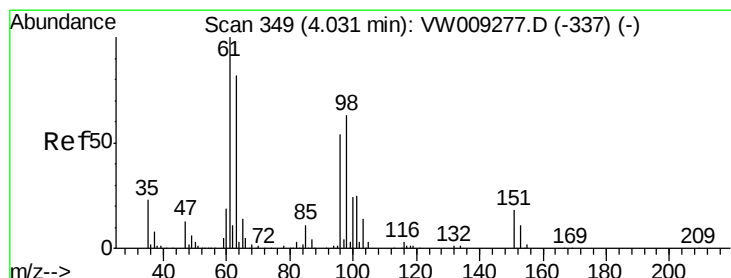
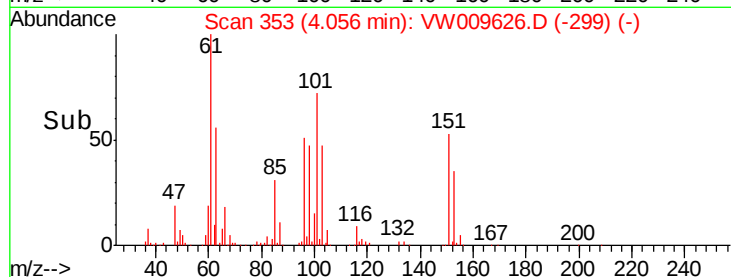
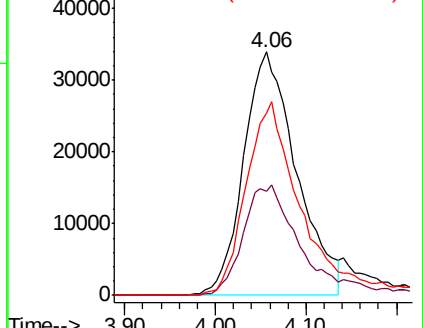
151 77.9 63.3 94.9



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: 23.723 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

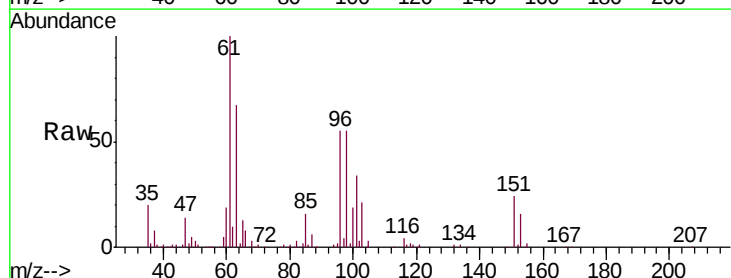
Tgt Ion: 96 Resp: 136706

Ion Ratio Lower Upper

96 100

61 183.0 129.4 240.2

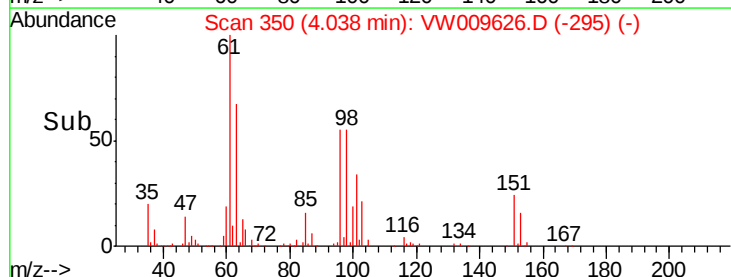
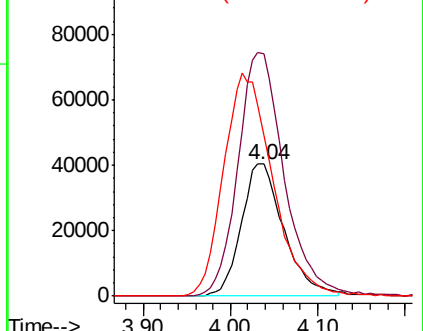
63 121.7 116.8 217.0

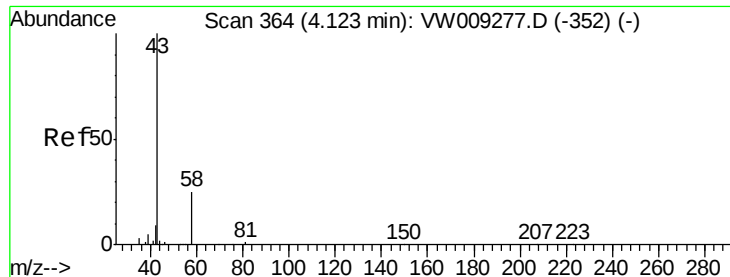


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.345 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

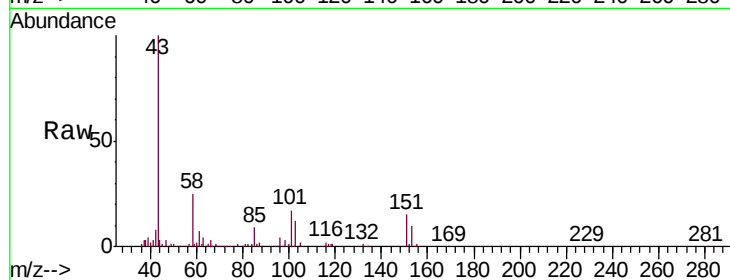
VSTD02506

Tgt Ion: 43 Resp: 104965

Ion Ratio Lower Upper

43 100

58 26.9 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

40000

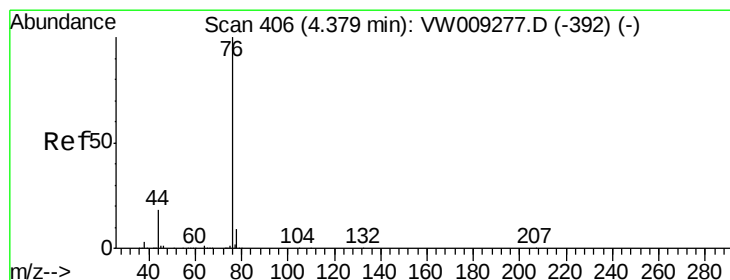
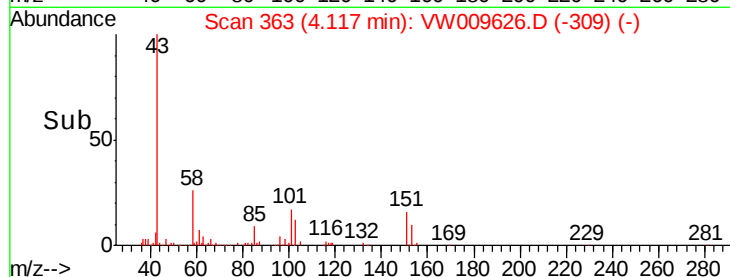
30000

20000

10000

0

Time--> 4.00 4.05 4.10 4.15 4.20



#14

Carbon disulfide

Concen: 24.557 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW009626.D

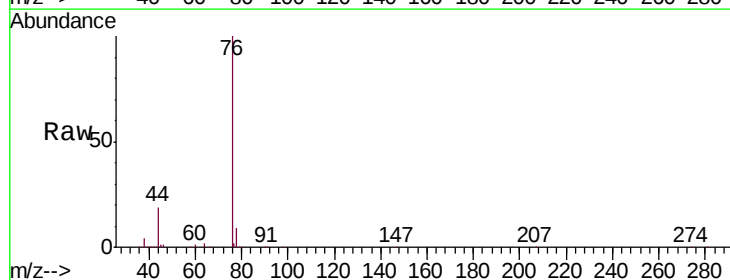
Acq: 01 Apr 2019 15:14

Tgt Ion: 76 Resp: 380854

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.37

120000

100000

80000

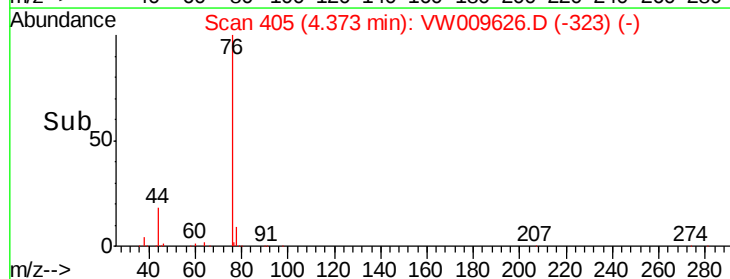
60000

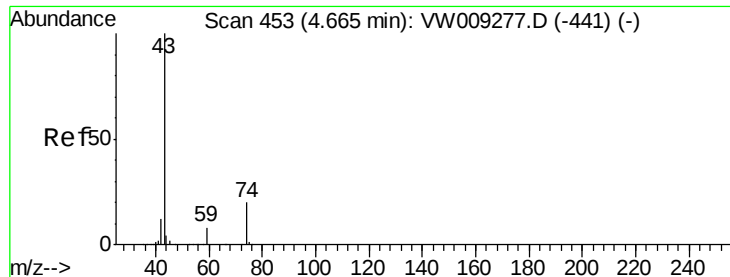
40000

20000

0

Time--> 4.20 4.30 4.40 4.50

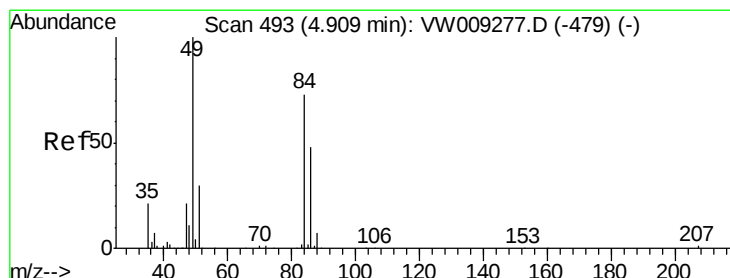
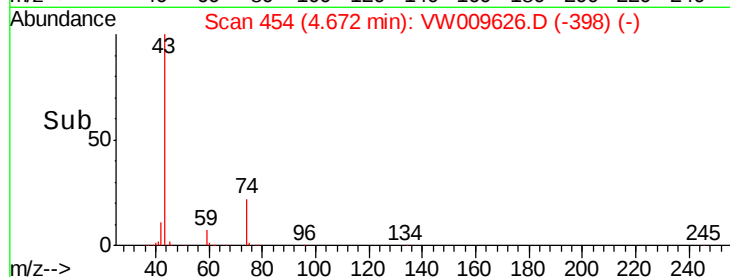
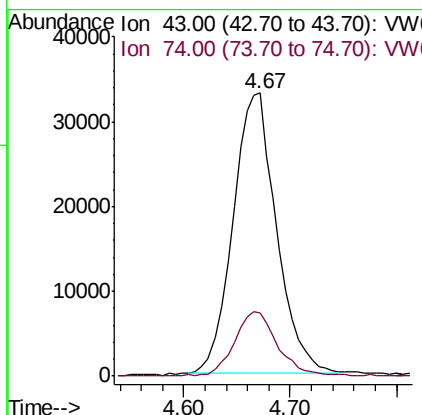
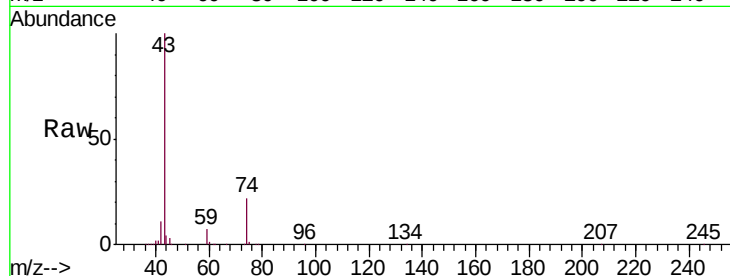




#15
Methyl Acetate
Concen: 25.418 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW009626.D
Acq: 01 Apr 2019 15:14

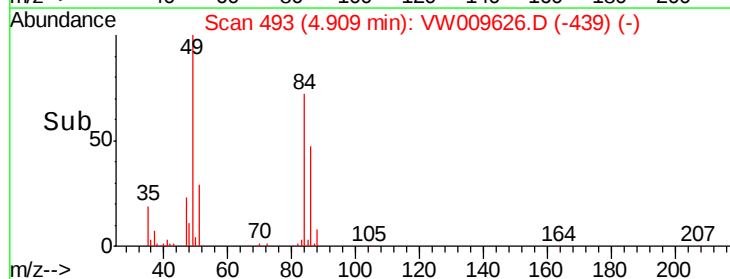
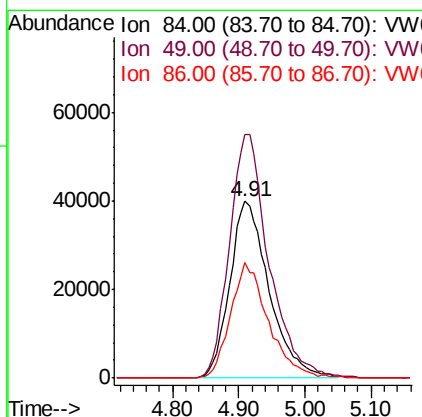
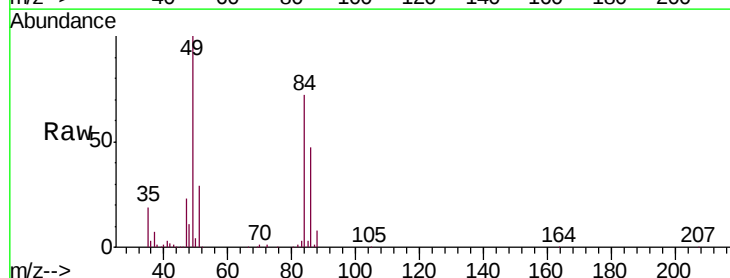
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

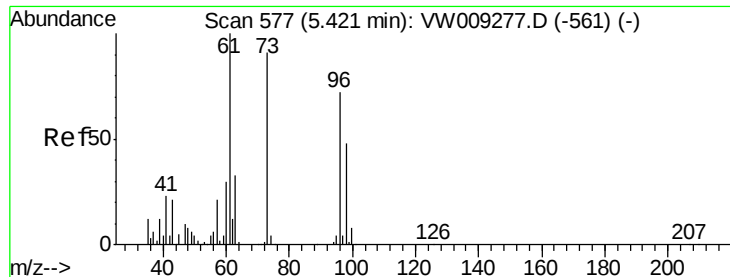
Tgt Ion: 43 Resp: 94702
Ion Ratio Lower Upper
43 100
74 21.5 16.7 25.1



#16
Methylene chloride
Concen: 24.161 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW009626.D
Acq: 01 Apr 2019 15:14

Tgt Ion: 84 Resp: 164877
Ion Ratio Lower Upper
84 100
49 138.0 96.0 178.2
86 65.5 44.4 82.5



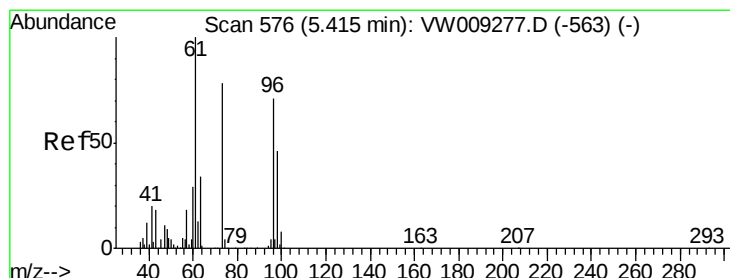
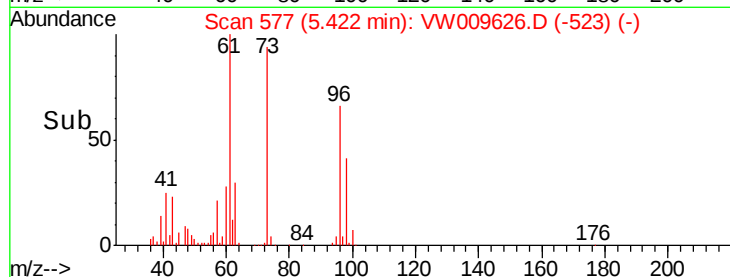
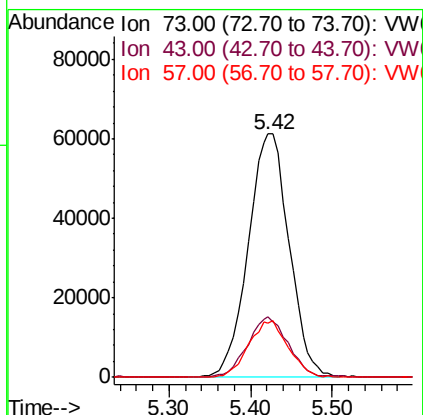
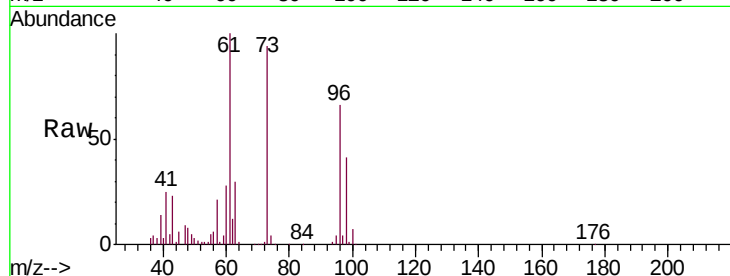


#17

Methyl tert-butyl Ether
 Concen: 26.186 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02506

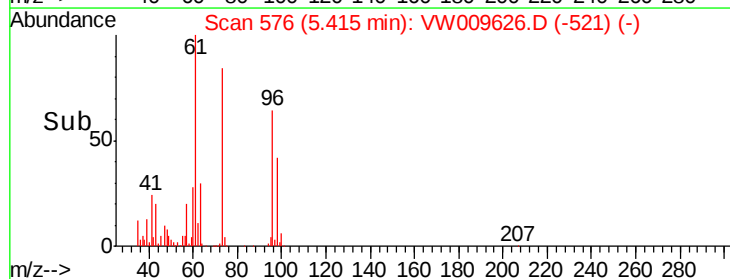
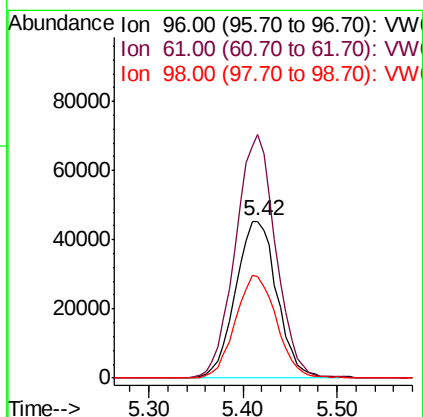
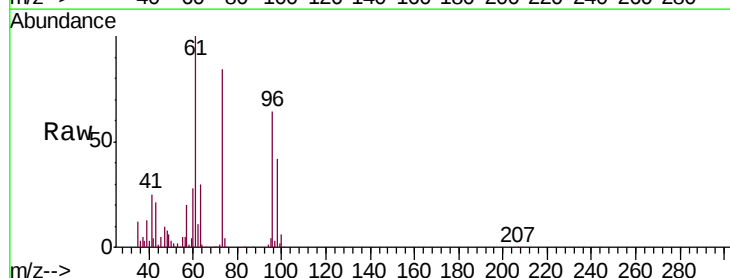
Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.3	18.2	27.4
57	22.7	17.8	26.8

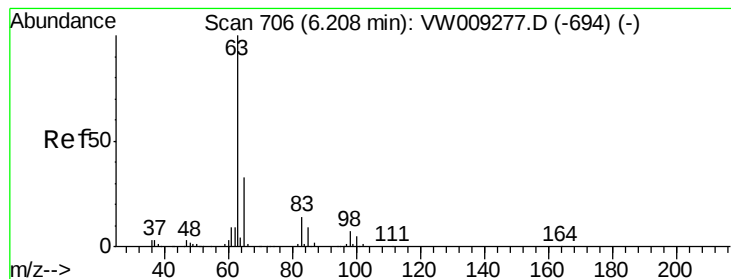


#18

trans-1,2-Dichloroethene
 Concen: 23.063 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	96.7	179.5
98	64.6	43.8	81.4





#19

1,1-Dichloroethane

Concen: 25.448 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.01 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

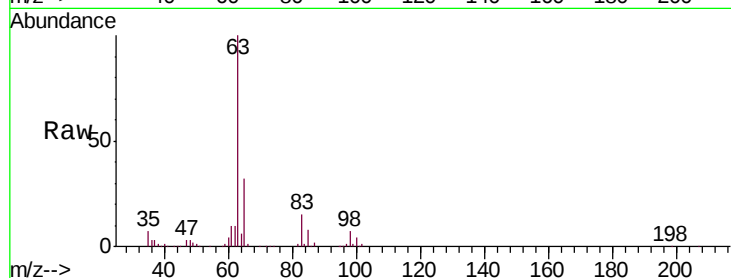
Tgt Ion: 63 Resp: 281127

Ion Ratio Lower Upper

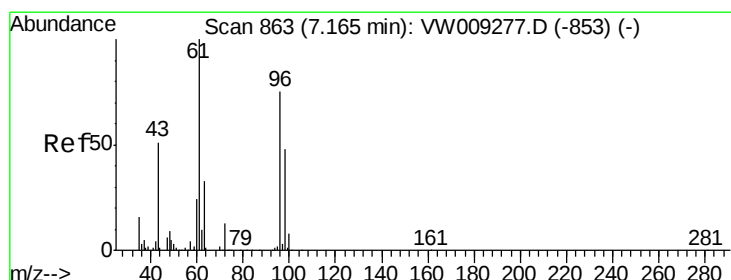
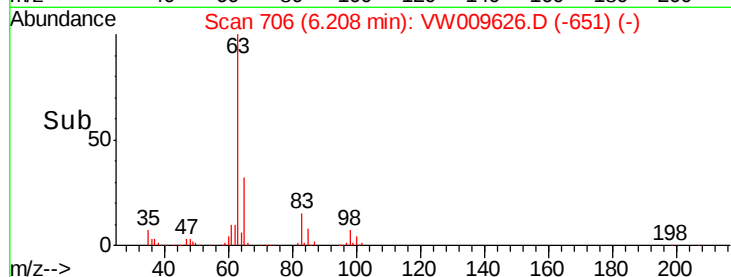
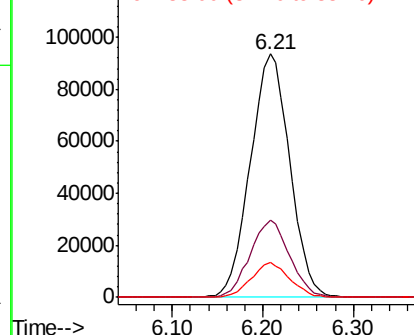
63 100

65 31.5 21.6 40.0

83 14.6 10.1 18.7



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 53.064 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009626.D

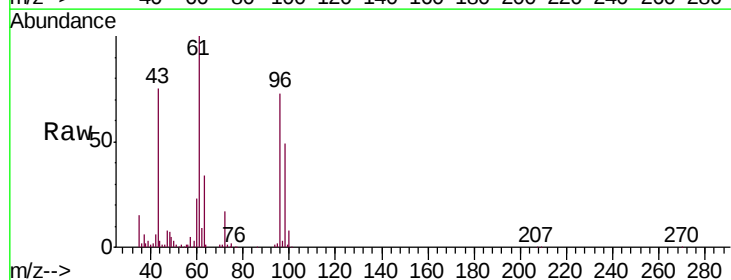
Acq: 01 Apr 2019 15:14

Tgt Ion: 43 Resp: 138956

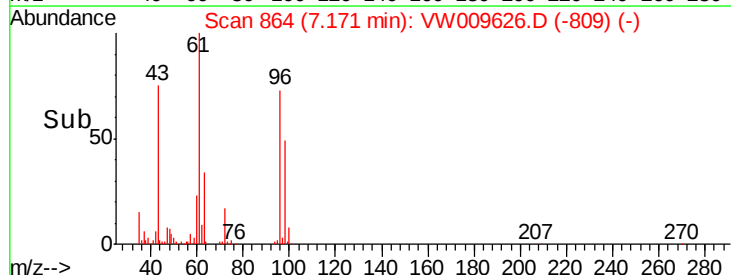
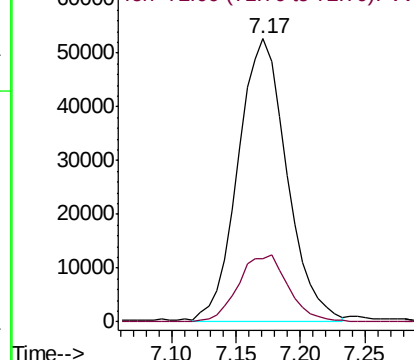
Ion Ratio Lower Upper

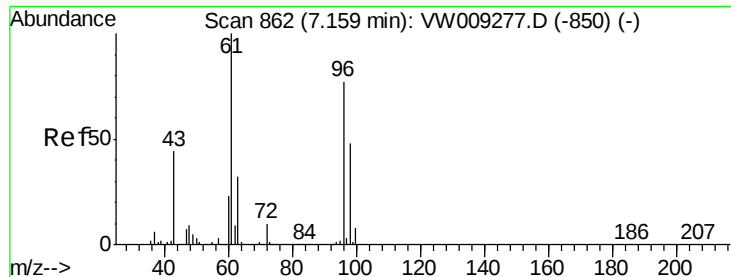
43 100

72 24.2 13.1 39.1



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



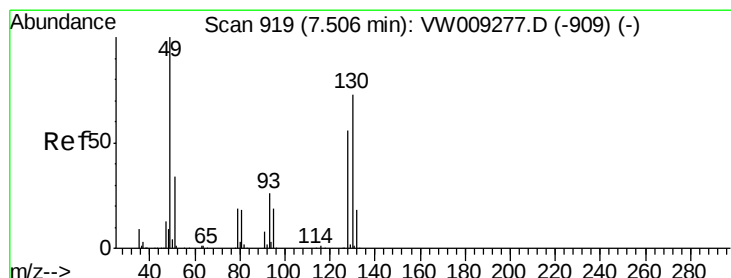
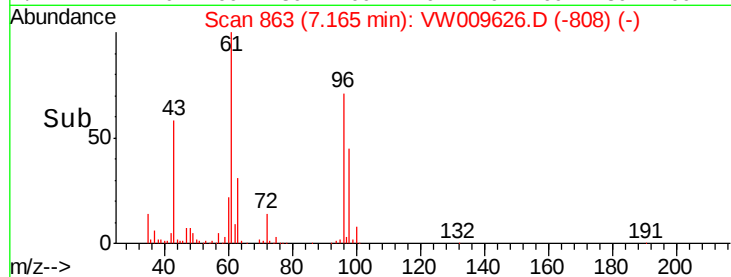
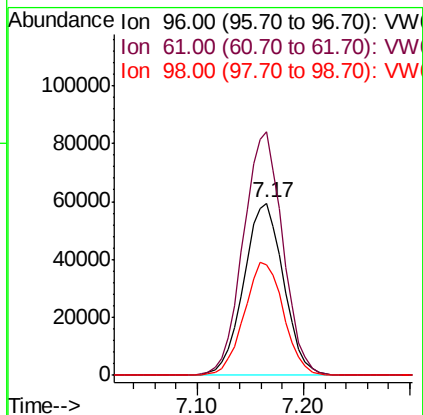
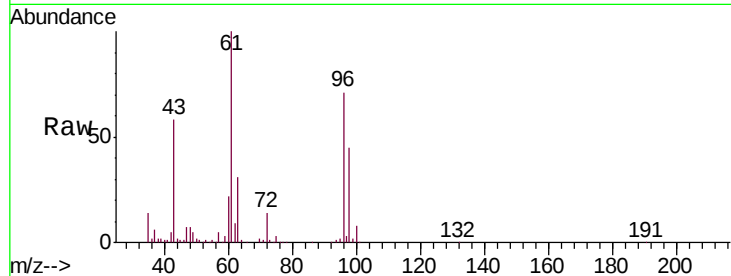


#22

cis-1,2-Dichloroethene
 Concen: 23.713 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

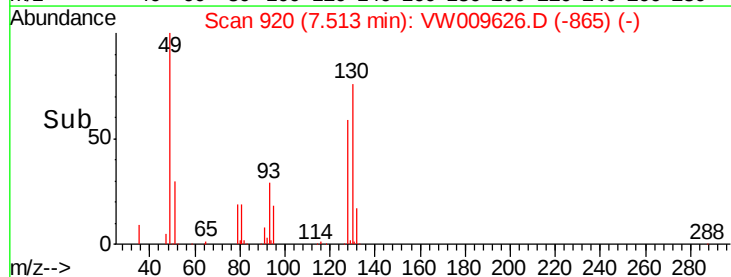
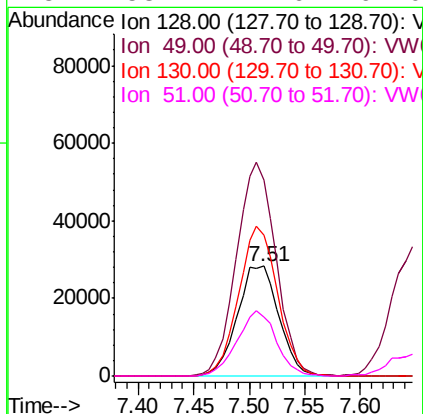
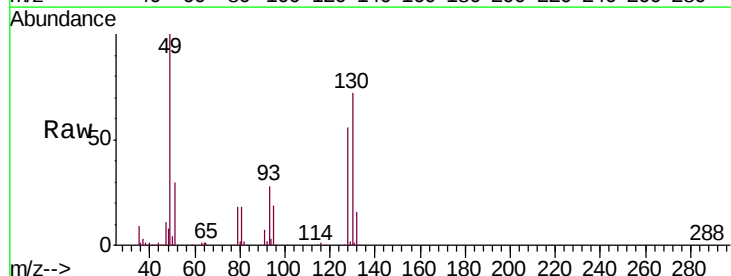
Tgt Ion: 96 Resp: 155634
 Ion Ratio Lower Upper
 96 100
 61 141.5 90.6 168.3
 98 64.1 44.0 81.8

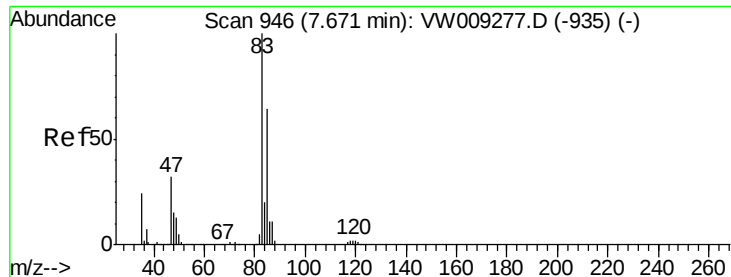


#23

Bromochloromethane
 Concen: 23.315 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

Tgt Ion: 128 Resp: 73393
 Ion Ratio Lower Upper
 128 100
 49 179.0 118.4 219.8
 130 128.8 87.8 163.2
 51 53.4 44.6 67.0





#25

Chloroform

Concen: 25.758 ug/L

RT: 7.67 min Scan# 945

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

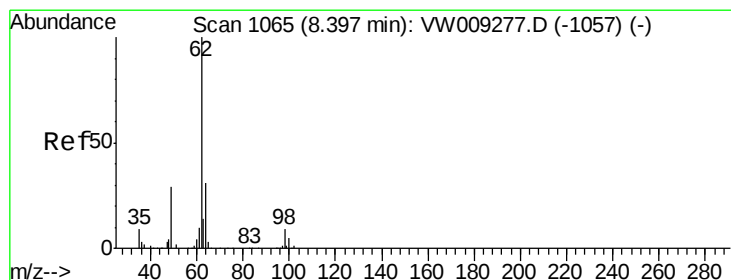
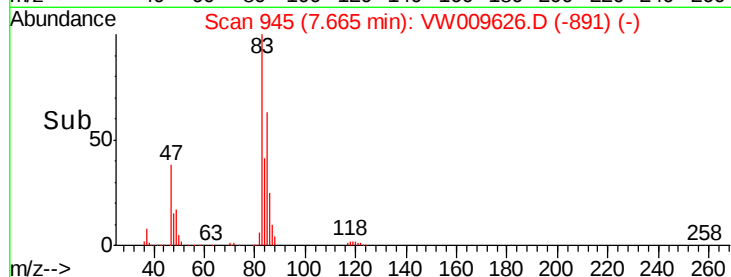
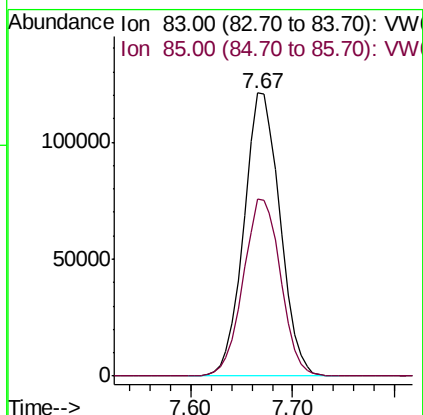
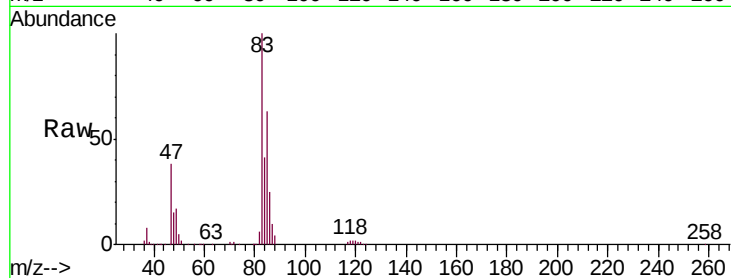
VSTD02506

Tgt Ion: 83 Resp: 297992

Ion Ratio Lower Upper

83 100

85 65.0 46.0 85.4



#27

1,2-Dichloroethane

Concen: 26.179 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009626.D

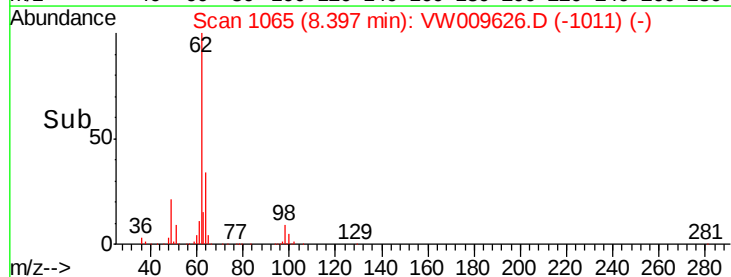
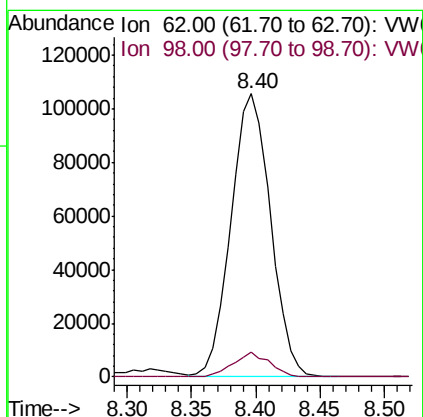
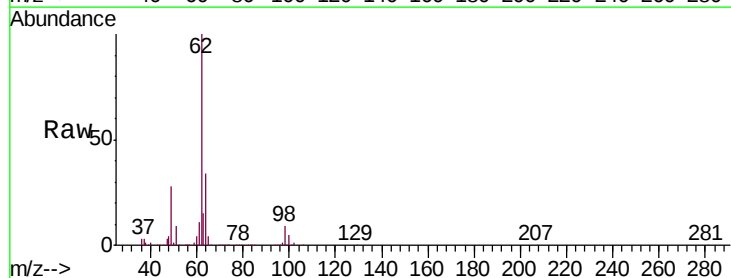
Acq: 01 Apr 2019 15:14

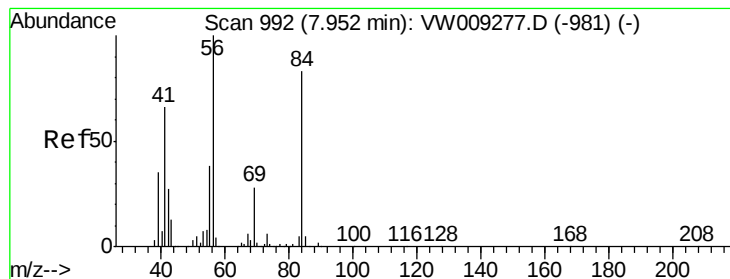
Tgt Ion: 62 Resp: 225804

Ion Ratio Lower Upper

62 100

98 8.6 7.3 10.9





#30

Cyclohexane

Concen: 23.436 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

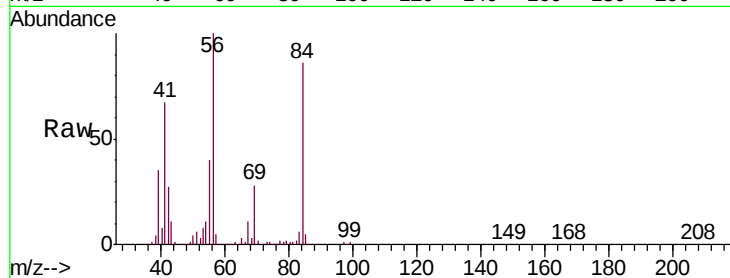
Tgt Ion: 56 Resp: 237127

Ion Ratio Lower Upper

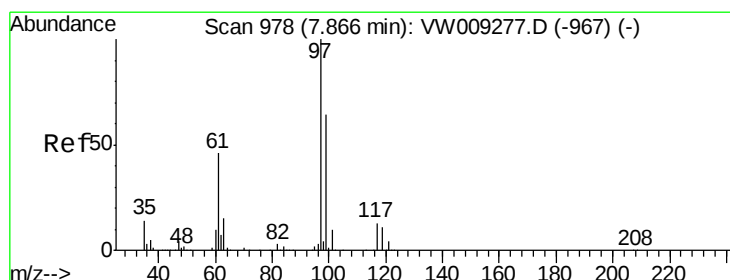
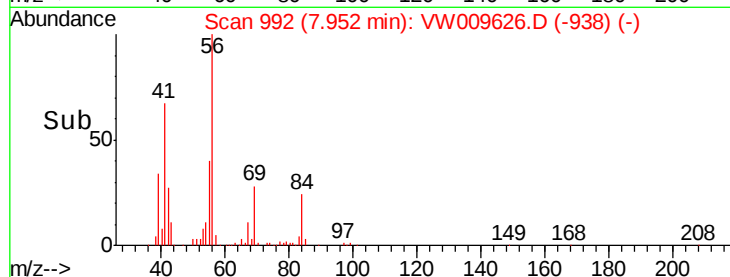
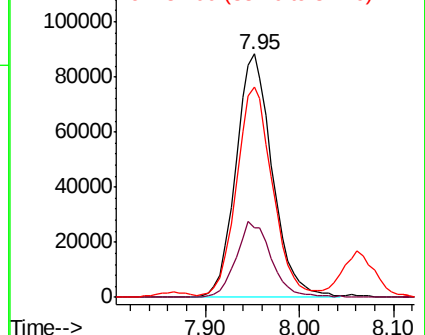
56 100

69 30.0 24.0 36.0

84 85.7 69.2 103.8



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



#31

1,1,1-Trichloroethane

Concen: 27.390 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

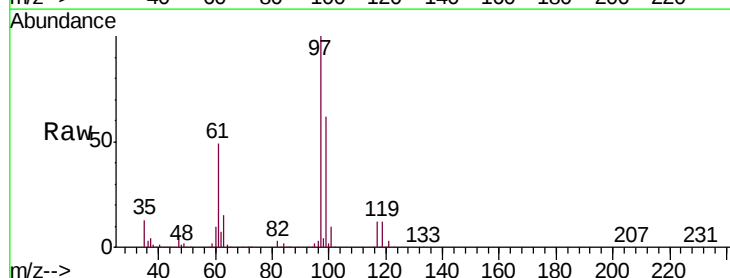
Tgt Ion: 97 Resp: 243710

Ion Ratio Lower Upper

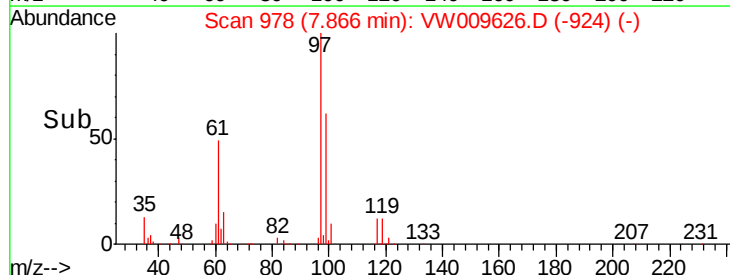
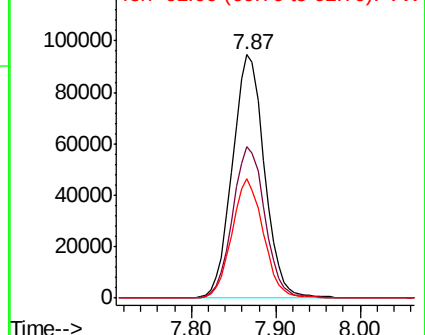
97 100

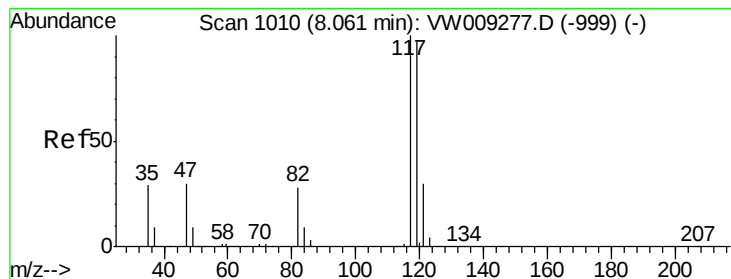
99 63.0 51.2 76.8

61 48.2 38.4 57.6



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





#32

Carbon tetrachloride

Concen: 26.373 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

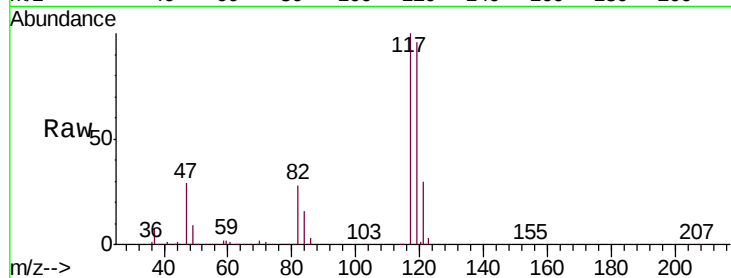
VSTD02506

Tgt Ion:117 Resp: 236758

Ion Ratio Lower Upper

117 100

119 95.2 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

60000

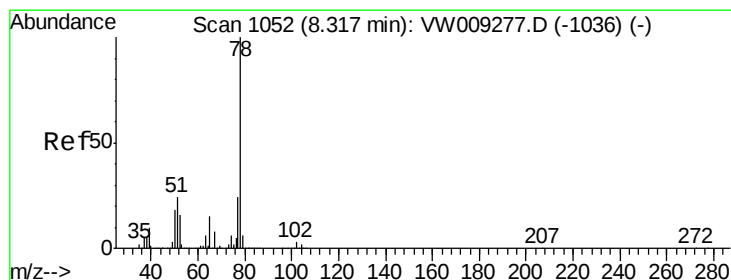
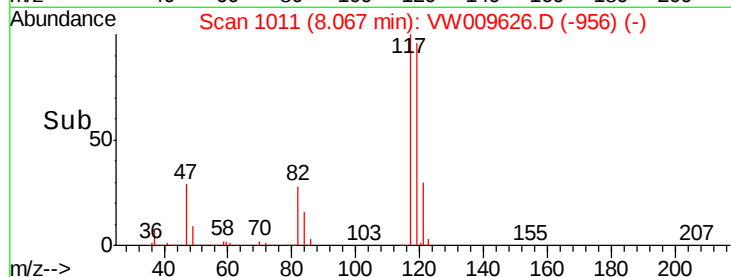
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 25.002 ug/L

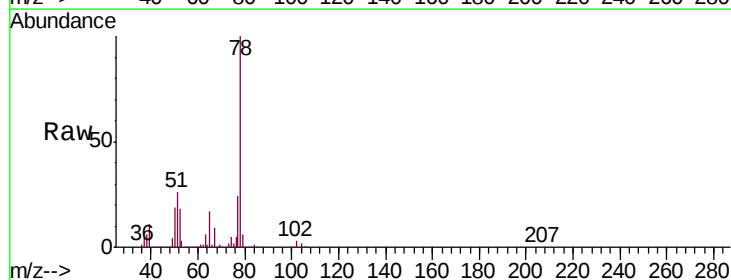
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Tgt Ion: 78 Resp: 609672



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

300000

250000

200000

150000

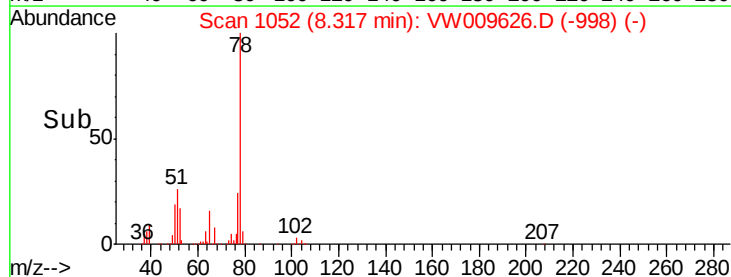
100000

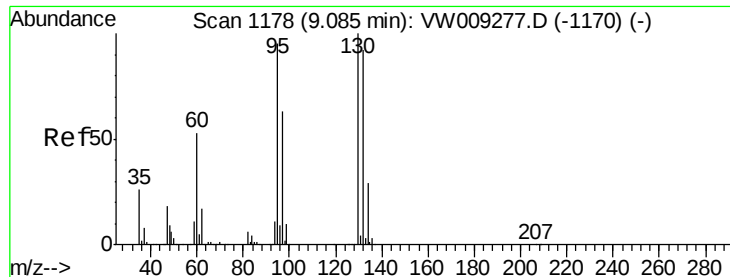
50000

0

8.20 8.30 8.40

Time-->

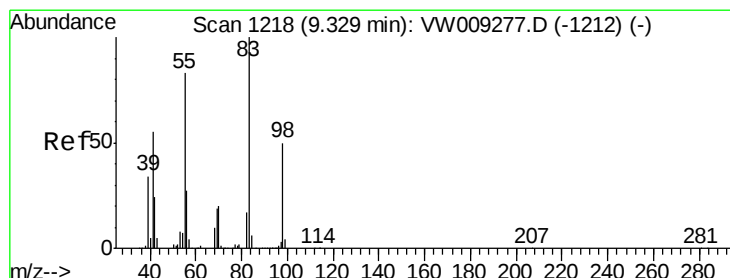
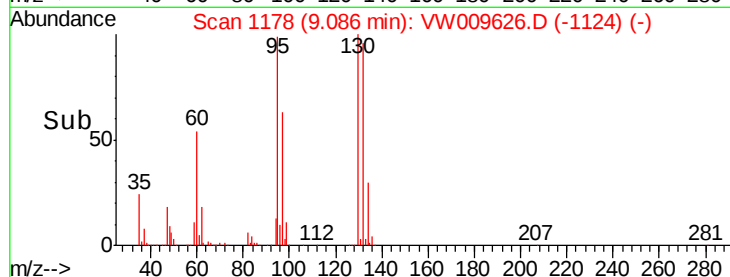
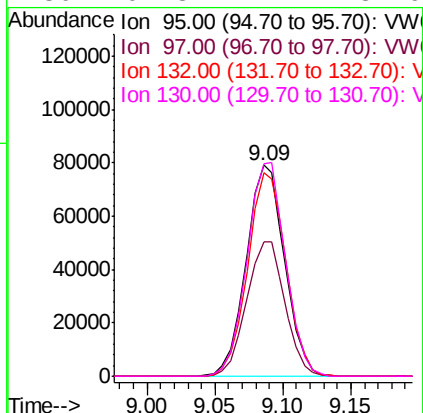
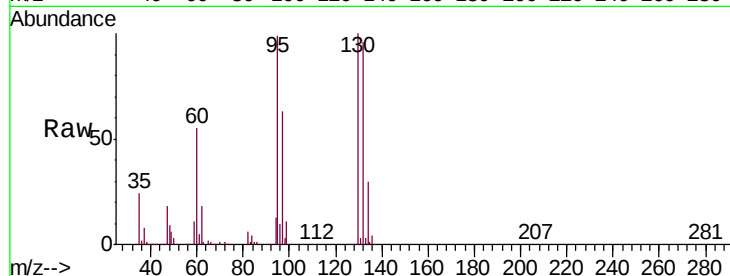




#35
 Trichloroethene
 Concen: 24.151 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

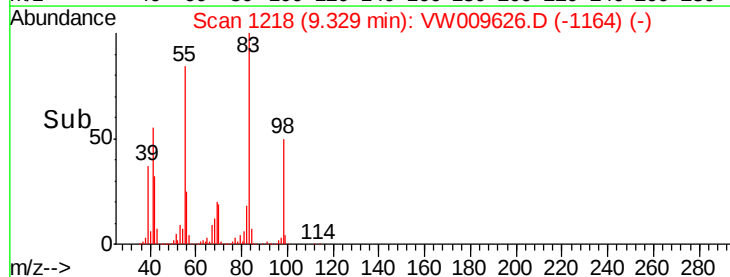
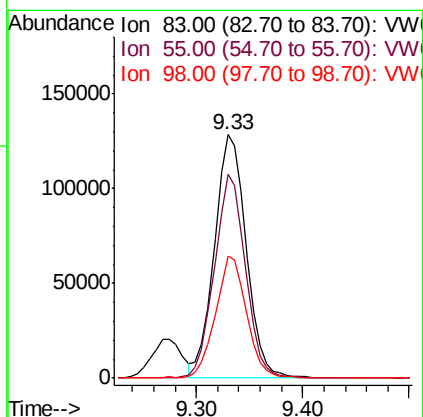
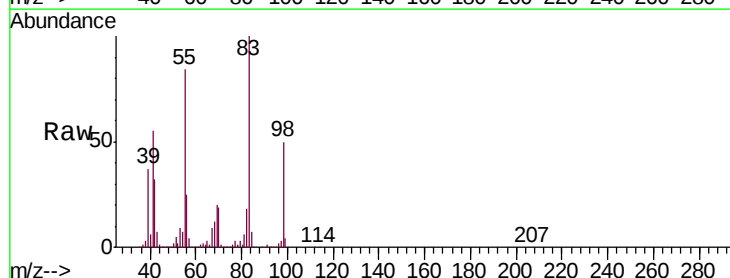
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

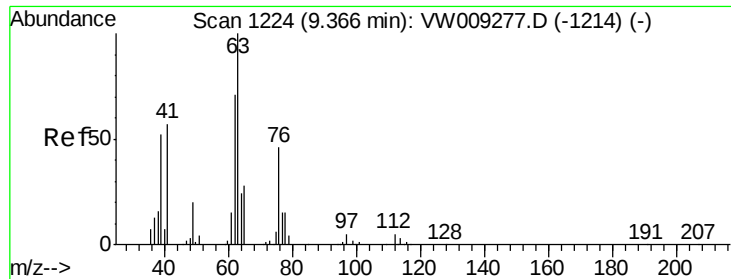
Tgt Ion:	95	Resp:	156921
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.7	82.9
132	95.9	69.0	128.2
130	101.3	72.7	134.9



#36
 Methylcyclohexane
 Concen: 23.665 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

Tgt Ion:	83	Resp:	266025
Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.5	95.3
98	49.1	39.8	59.8

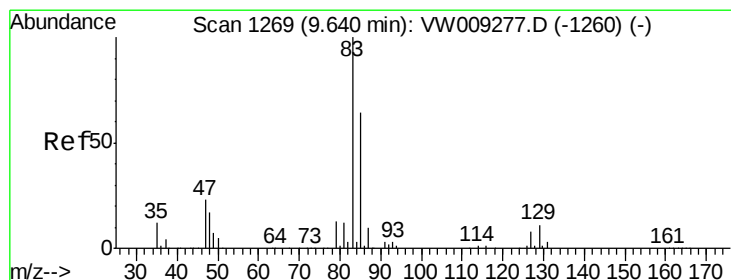
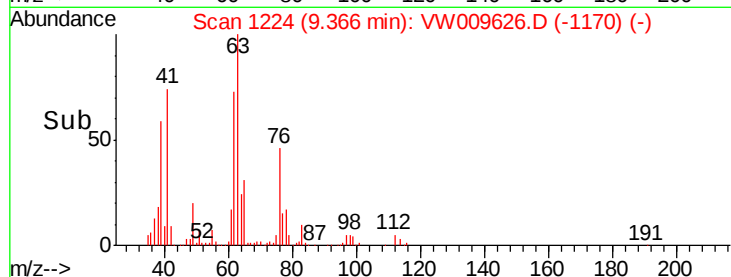
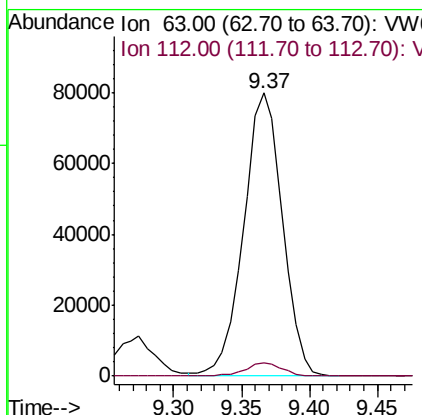
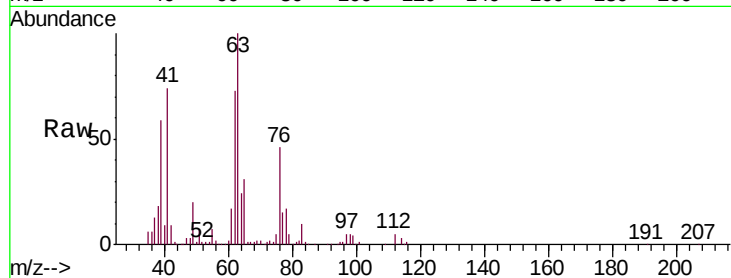




#40
 1,2-Dichloropropane
 Concen: 25.576 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

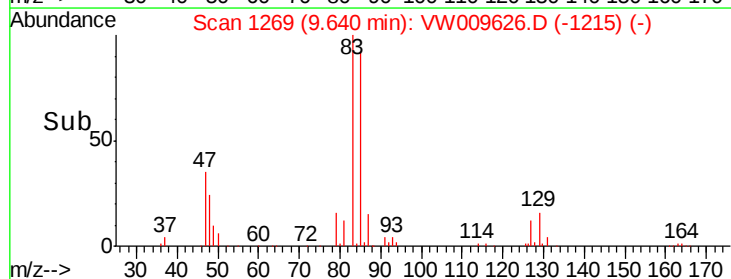
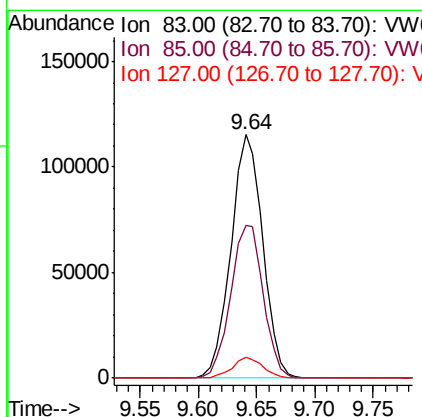
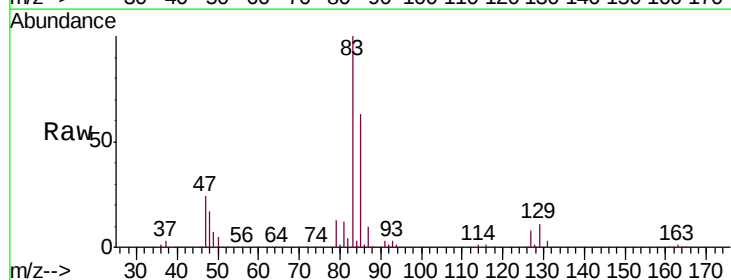
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

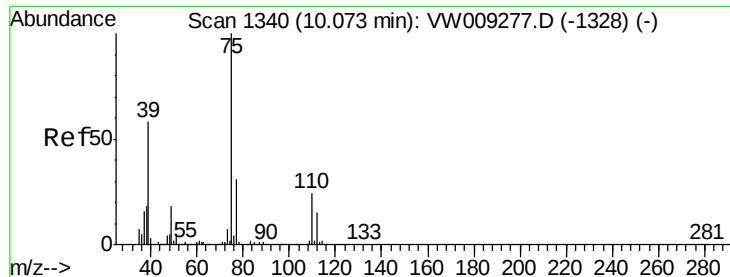
Tgt Ion: 63 Resp: 160035
 Ion Ratio Lower Upper
 63 100
 112 4.5 4.0 6.0



#41
 Bromodichloromethane
 Concen: 25.313 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

Tgt Ion: 83 Resp: 219460
 Ion Ratio Lower Upper
 83 100
 85 62.9 43.5 80.7
 127 8.4 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 24.175 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

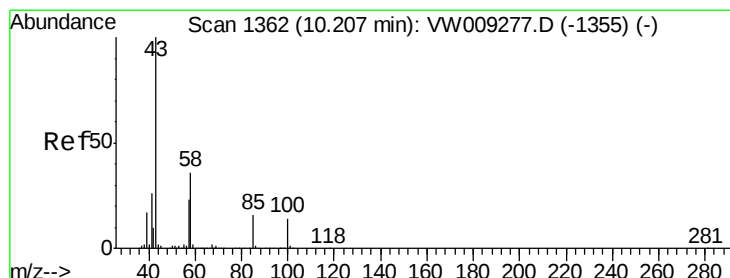
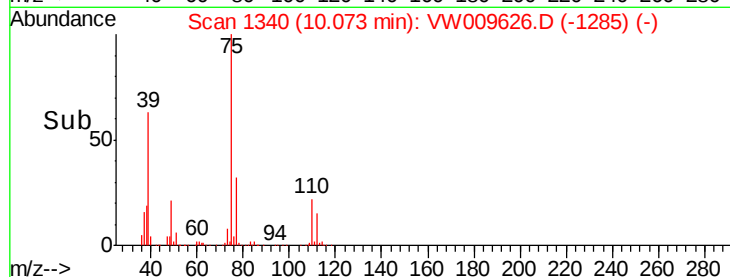
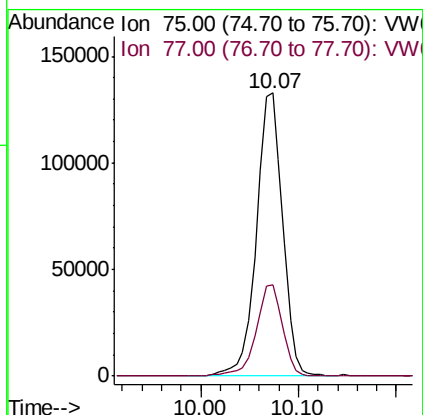
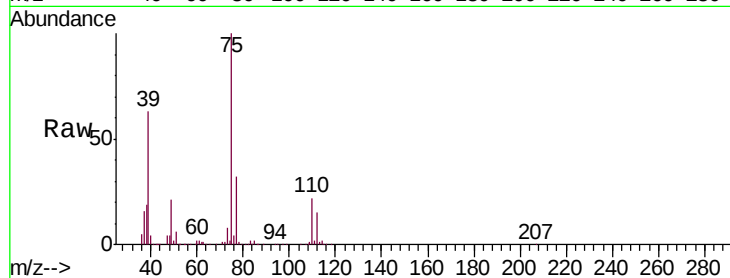
VSTD02506

Tgt Ion: 75 Resp: 246374

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 51.687 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

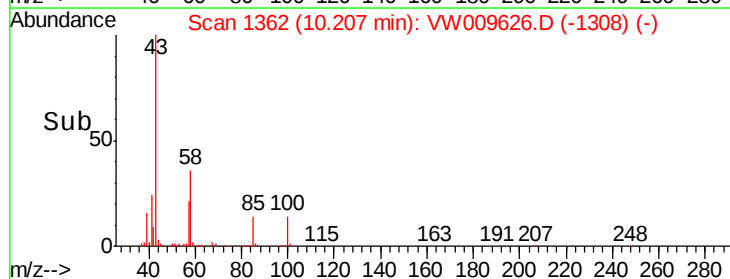
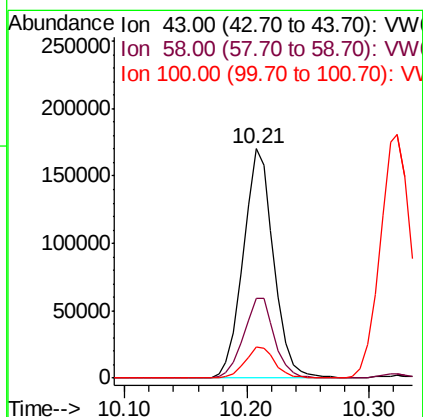
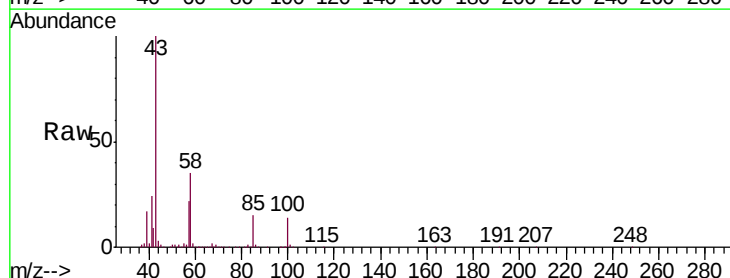
Tgt Ion: 43 Resp: 293069

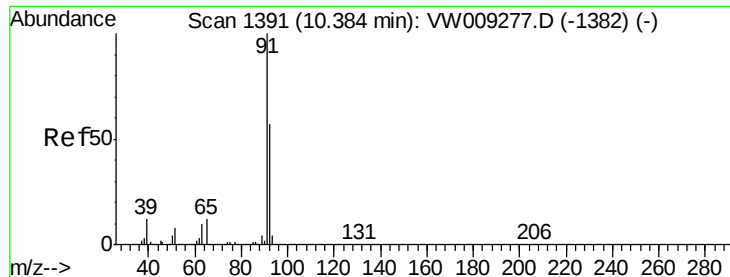
Ion Ratio Lower Upper

43 100

58 35.5 28.2 42.2

100 13.5 11.4 17.2





#44

Toluene

Concen: 24.875 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

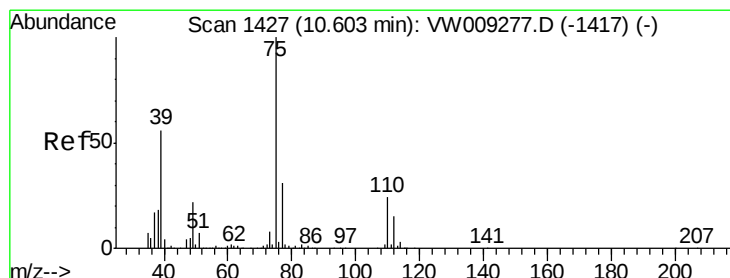
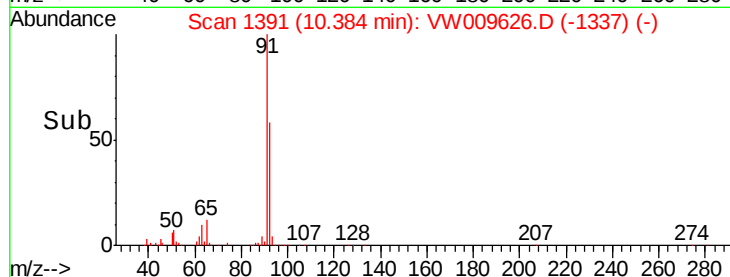
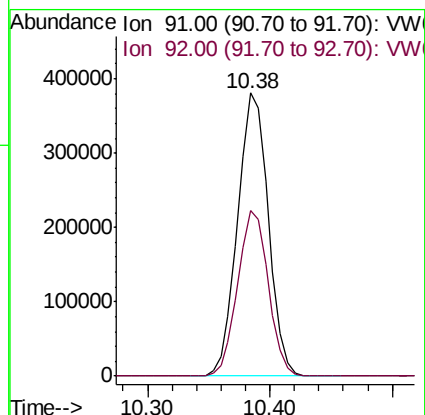
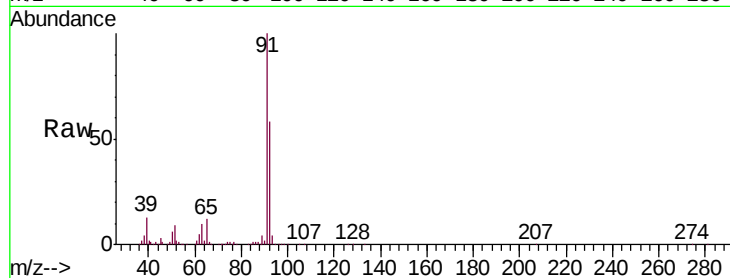
VSTD02506

Tgt Ion: 91 Resp: 663198

Ion Ratio Lower Upper

91 100

92 58.3 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 24.979 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009626.D

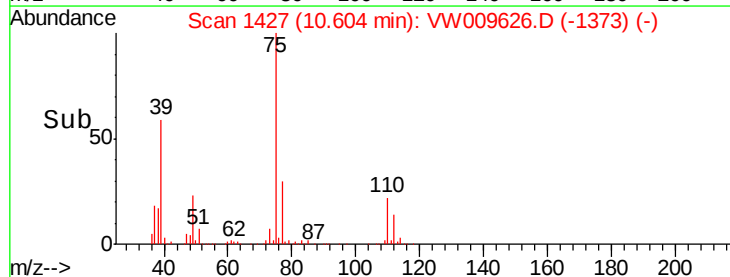
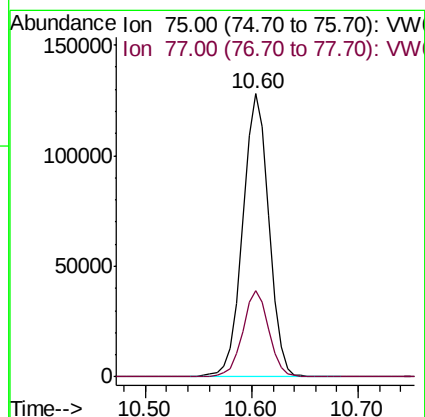
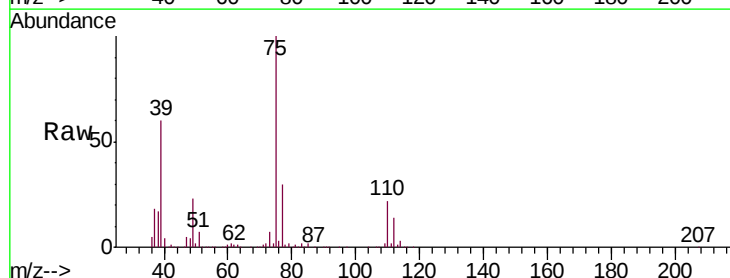
Acq: 01 Apr 2019 15:14

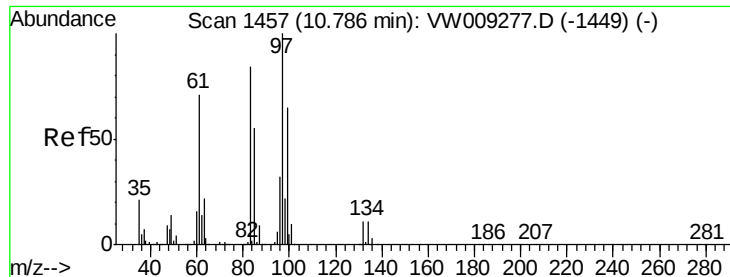
Tgt Ion: 75 Resp: 221450

Ion Ratio Lower Upper

75 100

77 30.4 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 25.092 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

VSTD02506

Tgt Ion: 97 Resp: 125262

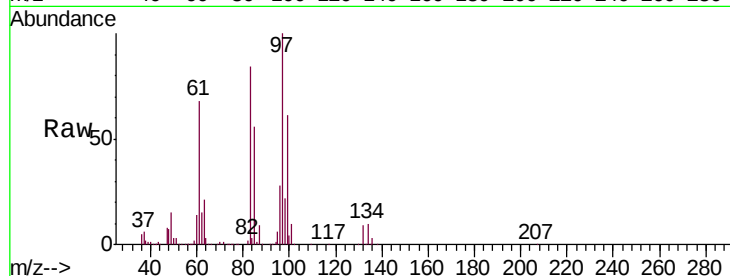
Ion Ratio Lower Upper

97 100

83 84.3 60.7 112.7

85 55.7 40.1 74.5

99 61.1 43.8 81.3

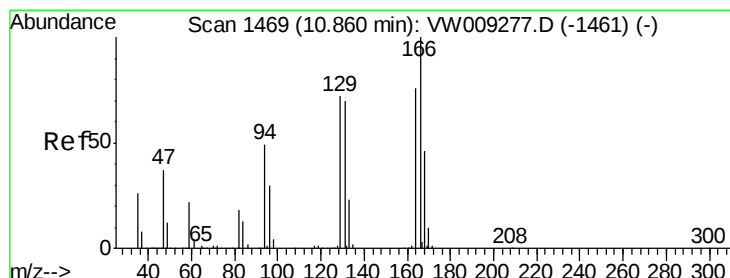
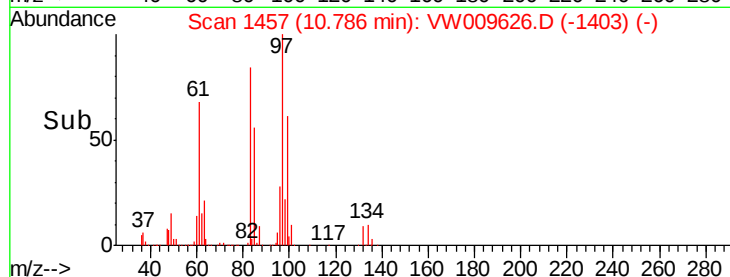
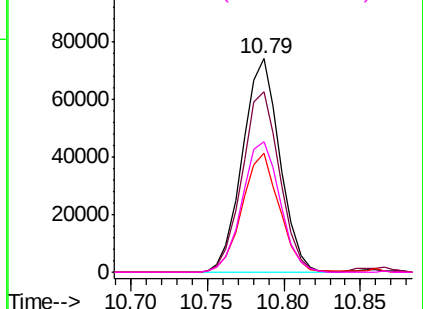


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 23.088 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Tgt Ion: 164 Resp: 126758

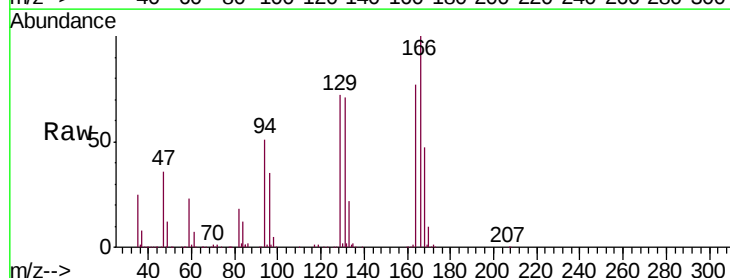
Ion Ratio Lower Upper

164 100

129 93.0 66.5 123.5

131 92.3 62.6 116.3

166 129.8 91.6 170.0

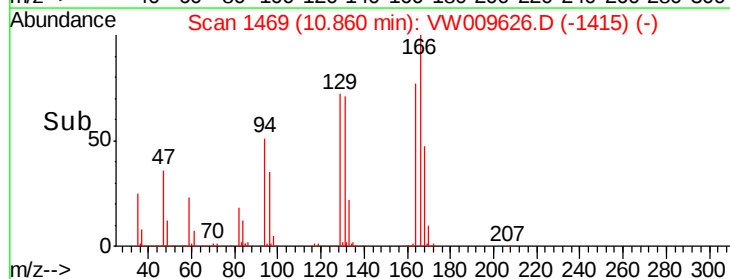
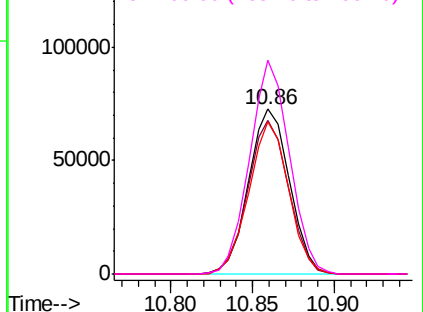


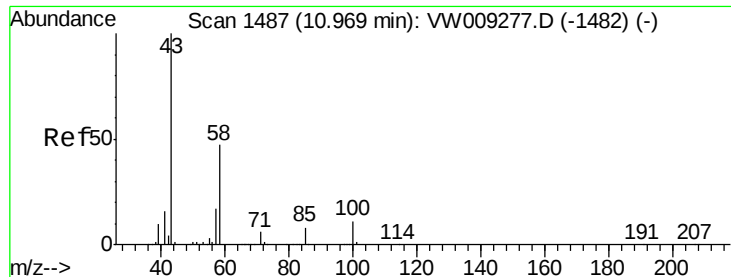
Abundance Ion 164.00 (163.70 to 164.70): V

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

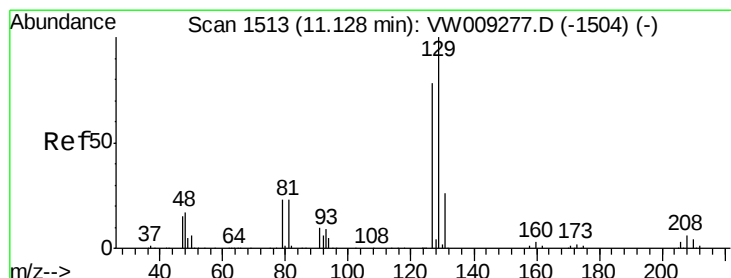
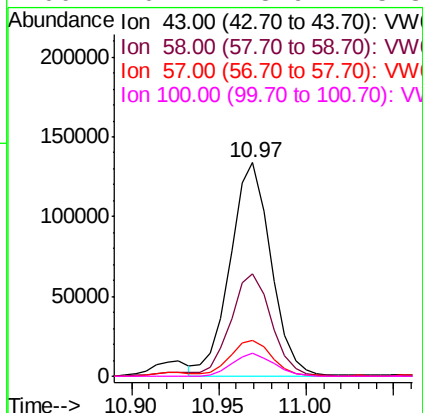
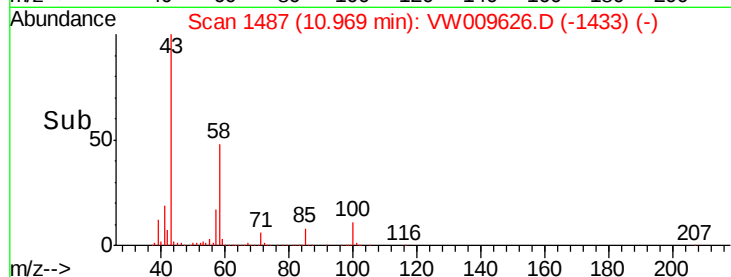
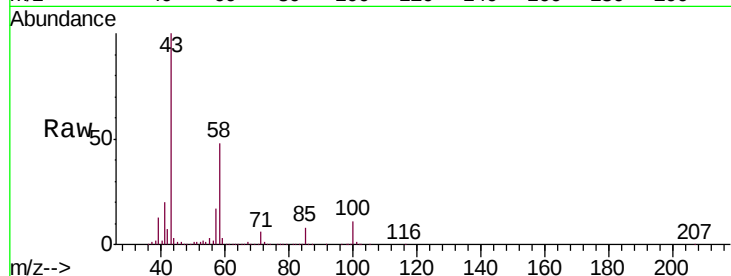




#49
2-Hexanone
Concen: 54.454 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009626.D
Acq: 01 Apr 2019 15:14

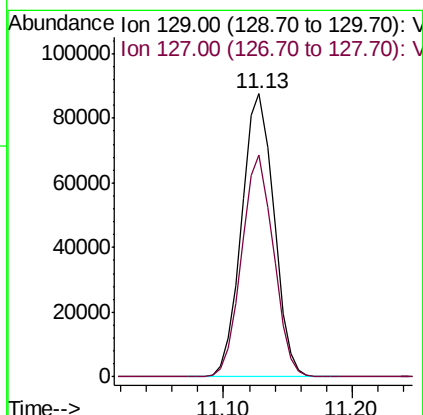
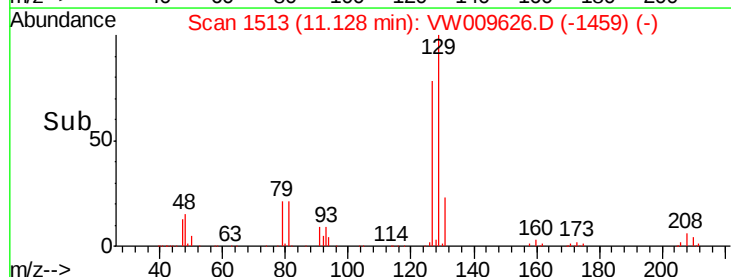
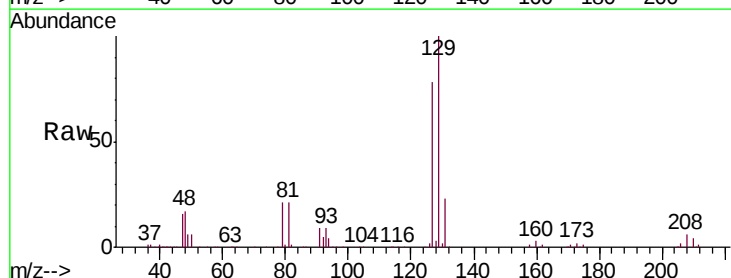
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

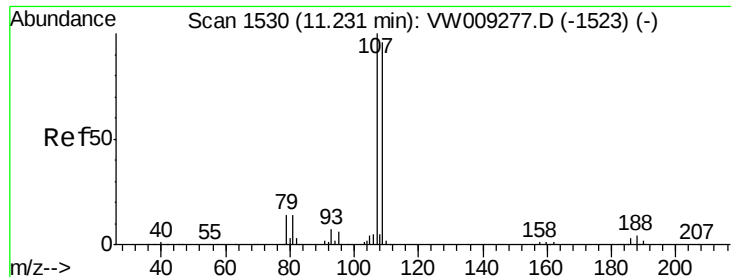
Tgt Ion:	43	Resp:	217461
Ion	Ratio	Lower	Upper
43	100		
58	47.7	39.2	58.8
57	17.3	14.2	21.2
100	10.7	8.9	13.3



#50
Dibromochloromethane
Concen: 24.642 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009626.D
Acq: 01 Apr 2019 15:14

Tgt Ion:	129	Resp:	151856
Ion	Ratio	Lower	Upper
129	100		
127	78.3	56.8	105.6





#51

1,2-Dibromoethane

Concen: 24.435 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

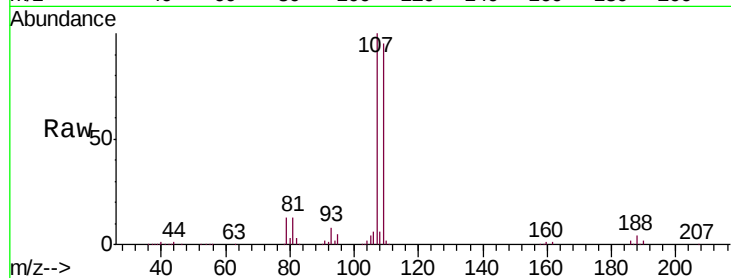
Tgt Ion:107 Resp: 123659

Ion Ratio Lower Upper

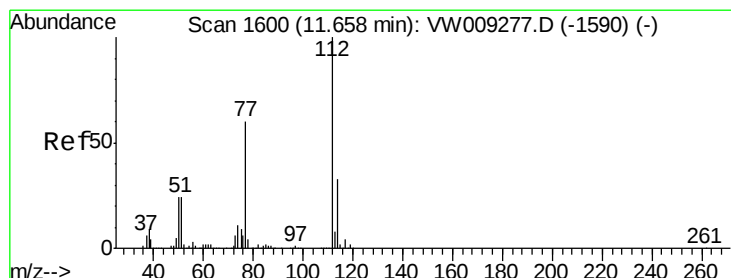
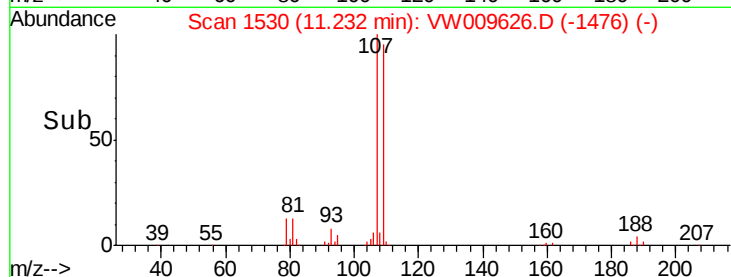
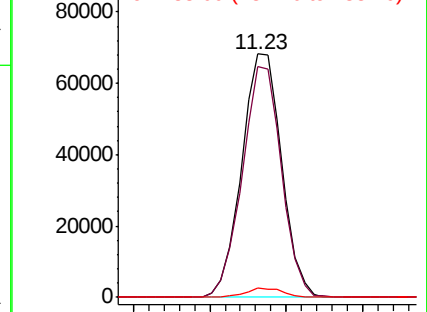
107 100

109 94.9 68.0 126.4

188 3.9 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.323 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

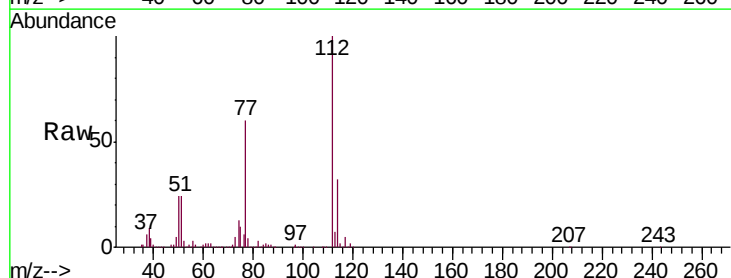
Tgt Ion:112 Resp: 415923

Ion Ratio Lower Upper

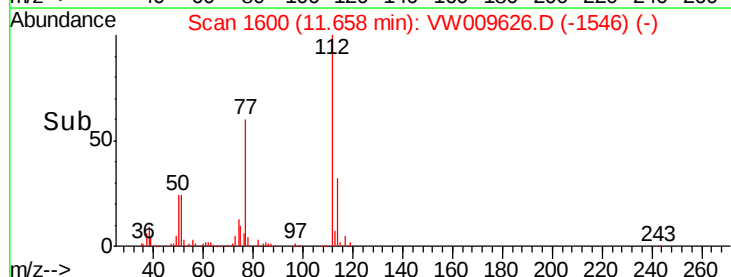
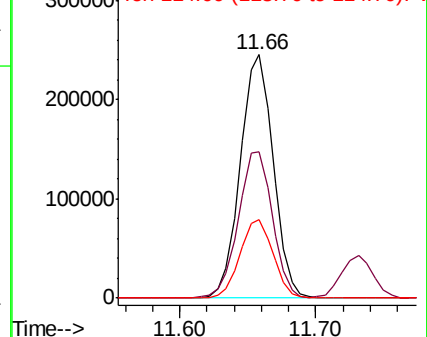
112 100

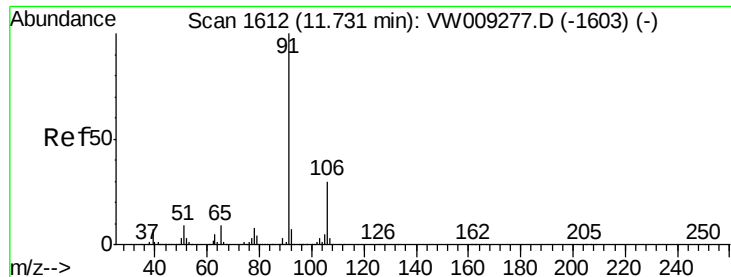
77 59.9 45.7 68.5

114 32.0 22.8 42.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.226 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

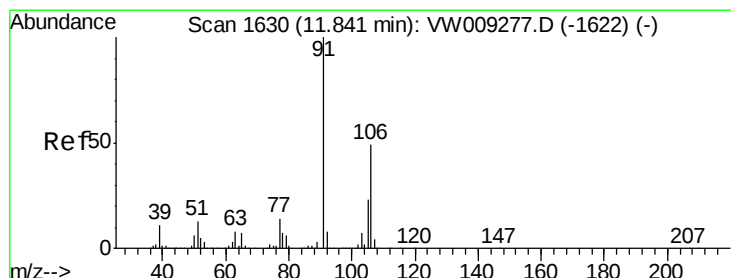
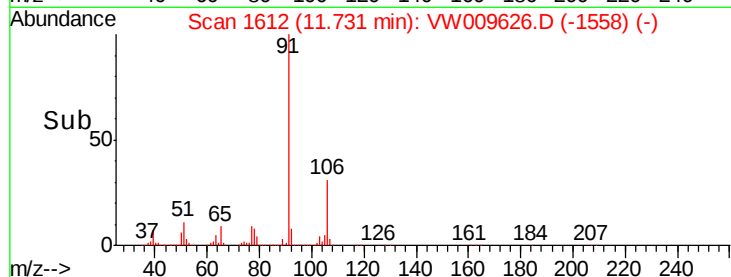
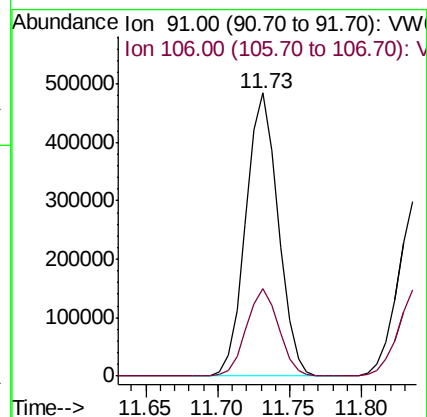
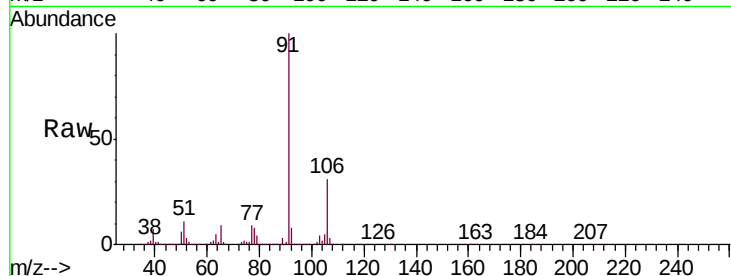
VSTD02506

Tgt Ion: 91 Resp: 756140

Ion Ratio Lower Upper

91 100

106 30.8 21.0 39.0



#54

m,p-Xylene

Concen: 25.098 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009626.D

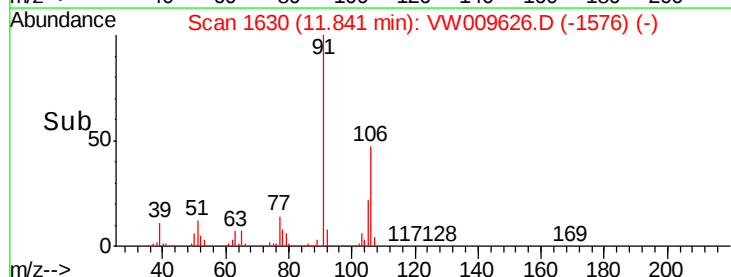
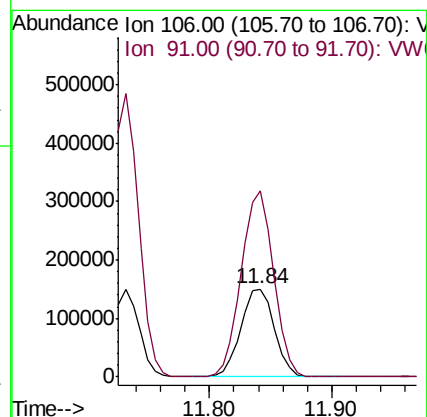
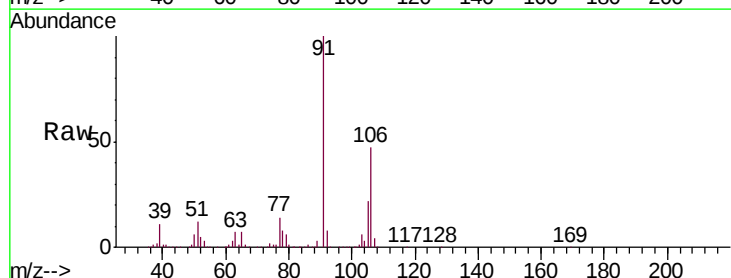
Acq: 01 Apr 2019 15:14

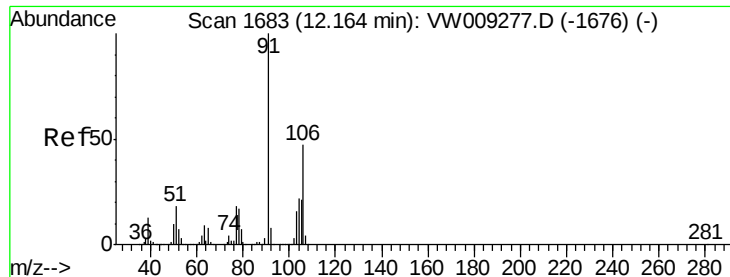
Tgt Ion: 106 Resp: 285814

Ion Ratio Lower Upper

106 100

91 211.7 138.4 257.0





#55

o-xylene

Concen: 24.508 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

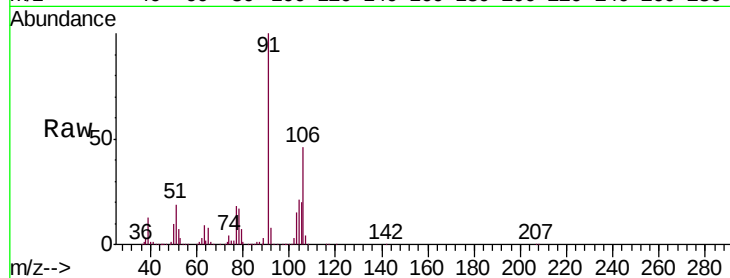
VSTD02506

Tgt Ion:106 Resp: 272275

Ion Ratio Lower Upper

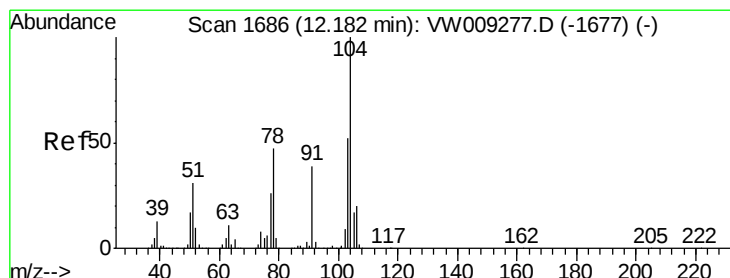
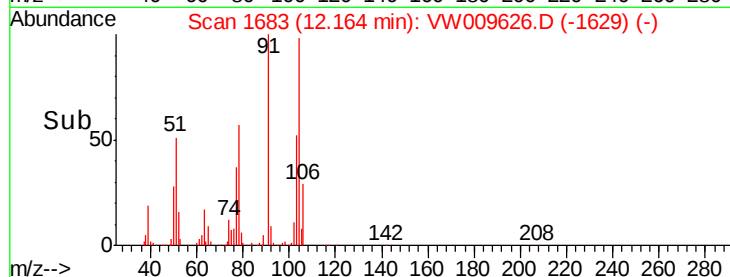
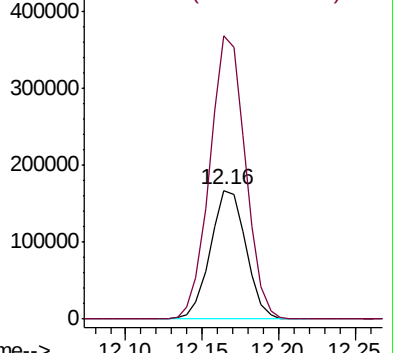
106 100

91 219.7 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.303 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009626.D

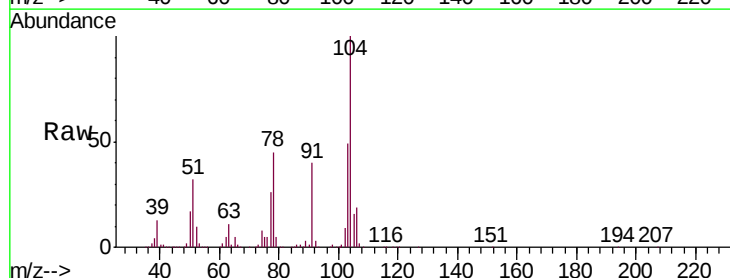
Acq: 01 Apr 2019 15:14

Tgt Ion:104 Resp: 479617

Ion Ratio Lower Upper

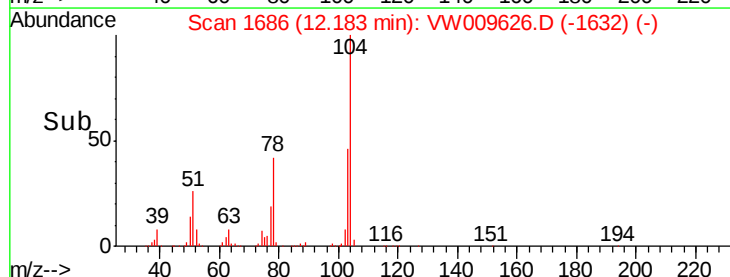
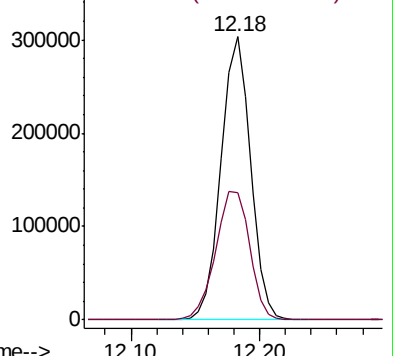
104 100

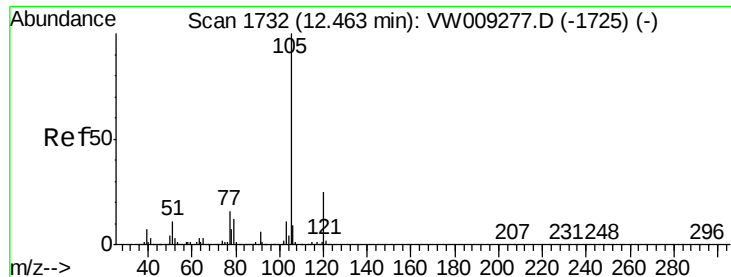
78 45.0 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.416 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

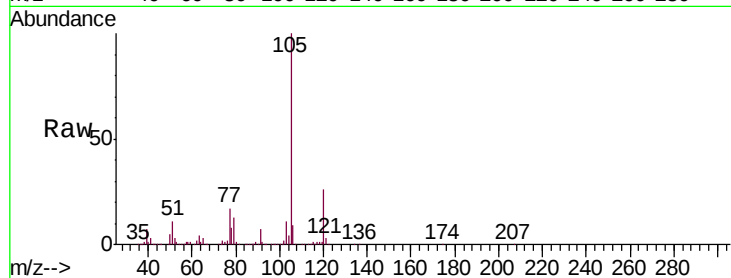
Tgt Ion: 105 Resp: 756384

Ion Ratio Lower Upper

105 100

120 26.4 21.3 31.9

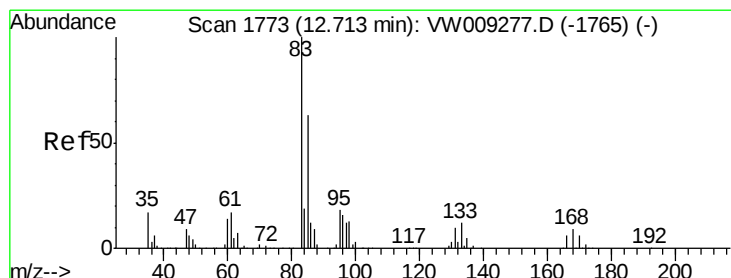
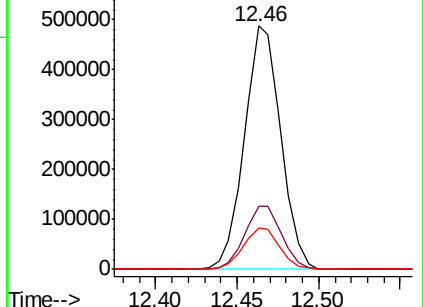
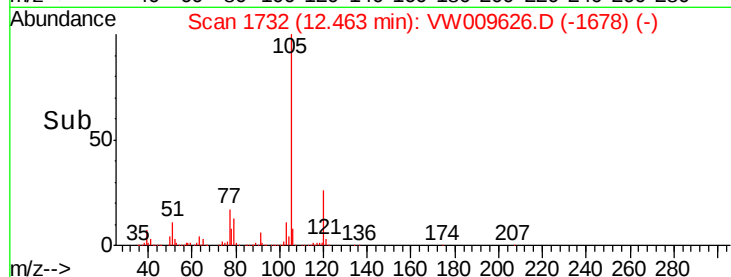
77 17.0 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): VW

Ion 120.00 (119.70 to 120.70): VW

Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 26.288 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

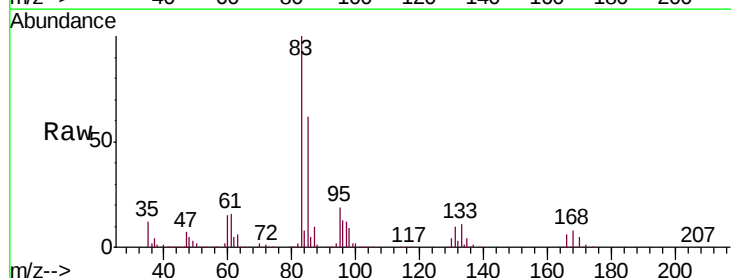
Tgt Ion: 83 Resp: 177035

Ion Ratio Lower Upper

83 100

85 62.1 45.6 84.8

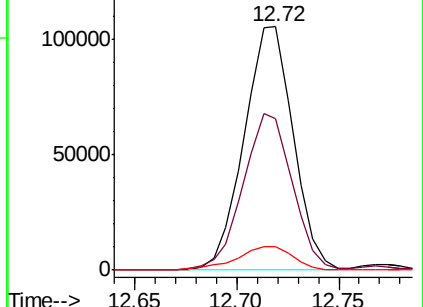
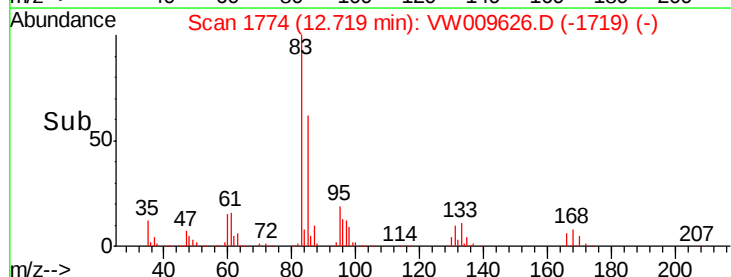
131 9.8 9.2 13.8

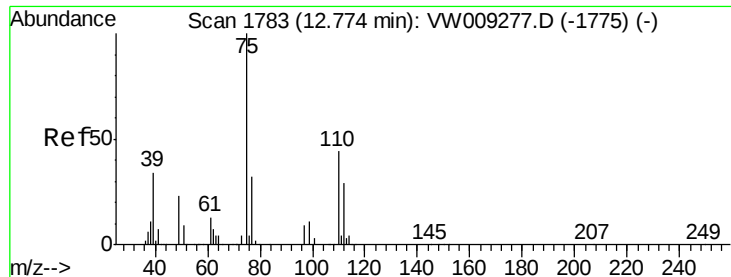


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW





#59

1,2,3-Trichloropropane

Concen: 26.463 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

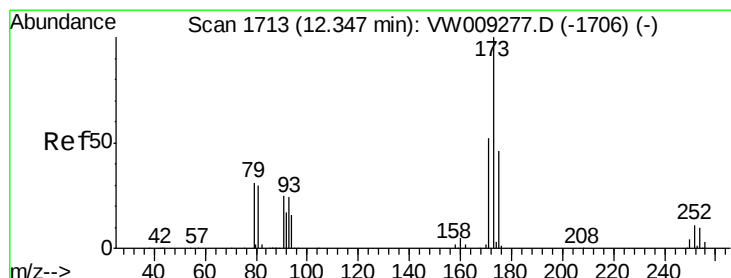
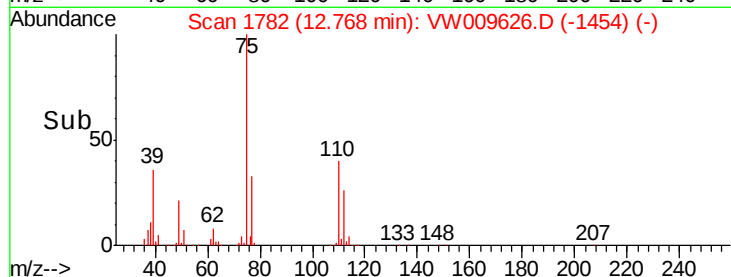
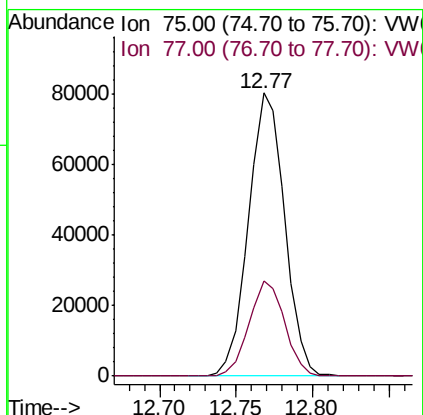
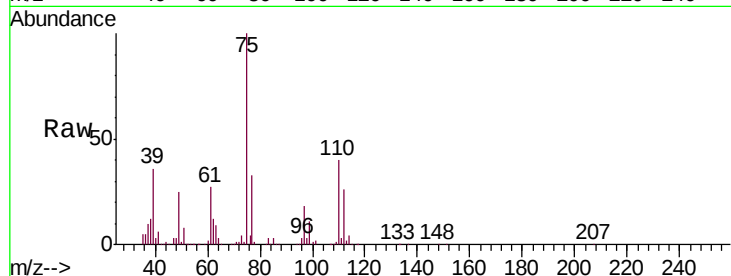
VSTD02506

Tgt Ion: 75 Resp: 132258

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.2



#62

Bromoform

Concen: 23.776 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

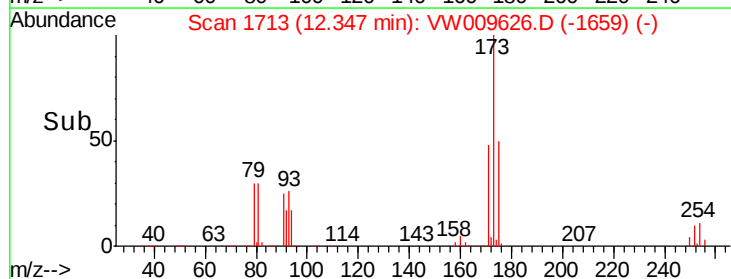
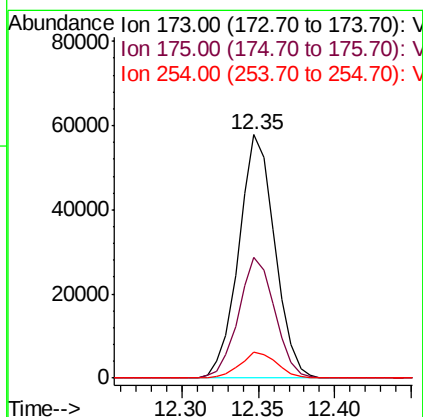
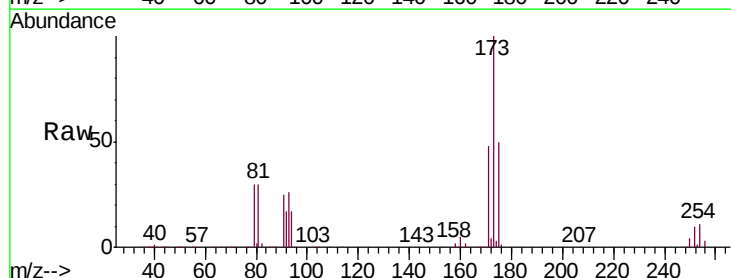
Tgt Ion: 173 Resp: 94936

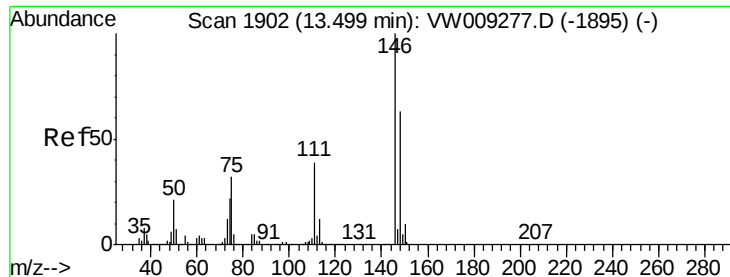
Ion Ratio Lower Upper

173 100

175 49.8 39.7 59.5

254 10.7 8.5 12.7

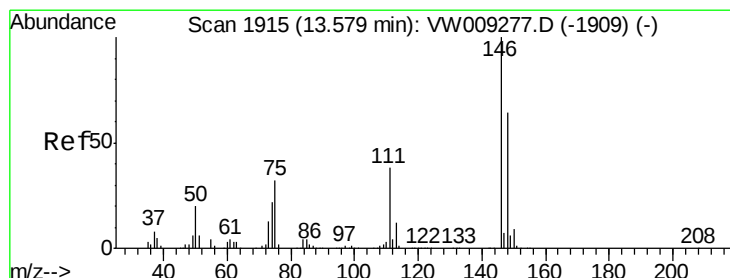
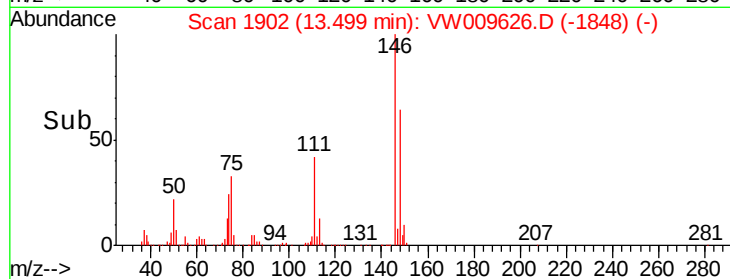
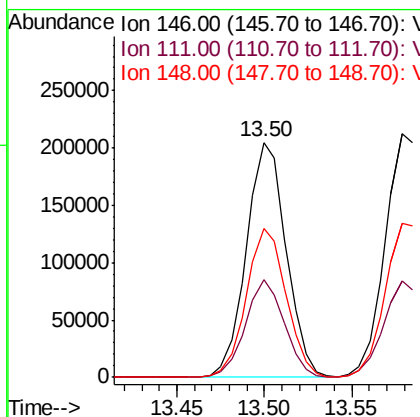
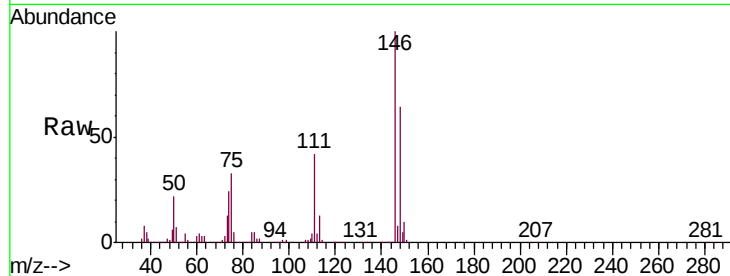




#63
 1,3-Dichlorobenzene
 Concen: 23.040 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

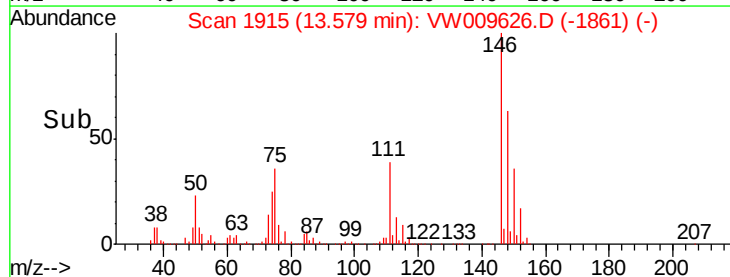
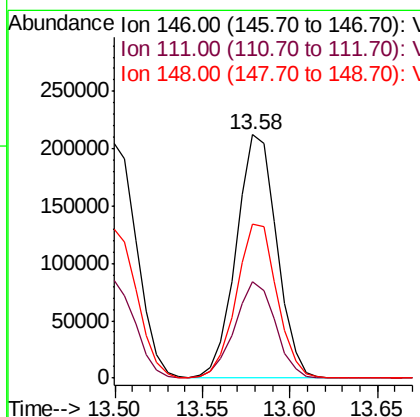
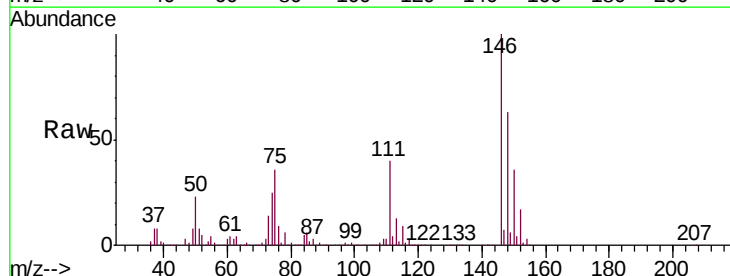
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

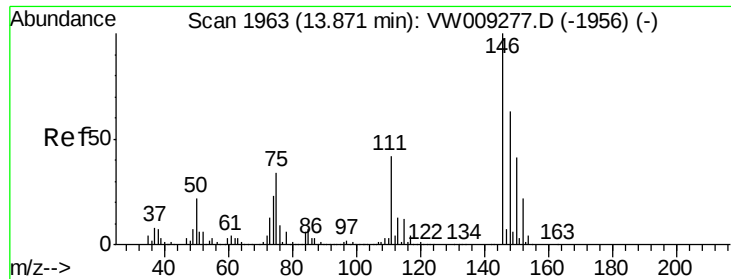
Tgt Ion:146 Resp: 324501
 Ion Ratio Lower Upper
 146 100
 111 41.8 26.9 49.9
 148 63.5 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 23.497 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

Tgt Ion:146 Resp: 342142
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.8 51.6
 148 63.3 46.3 86.1

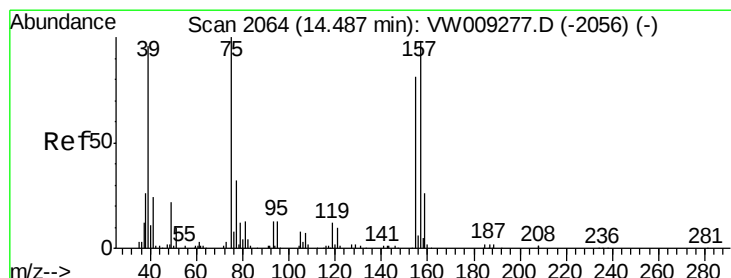
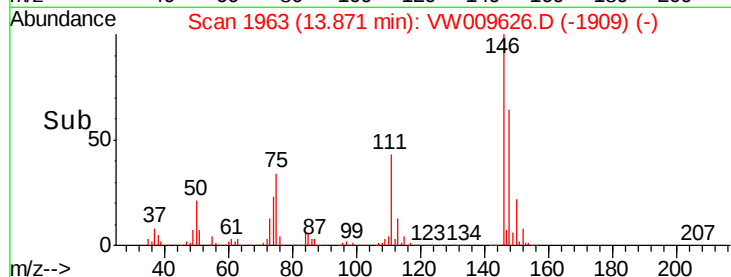
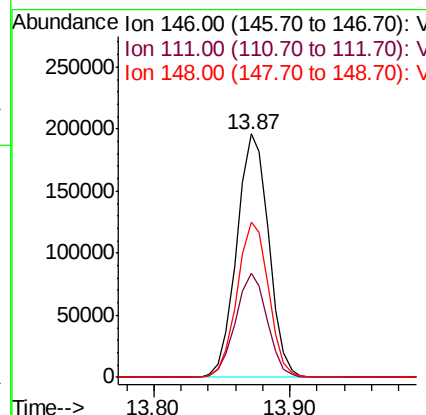
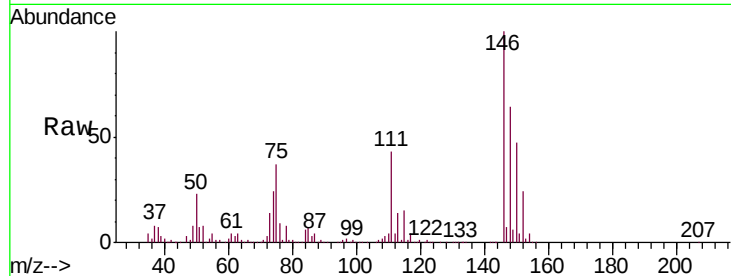




#65
 1,2-Dichlorobenzene
 Concen: 23.788 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

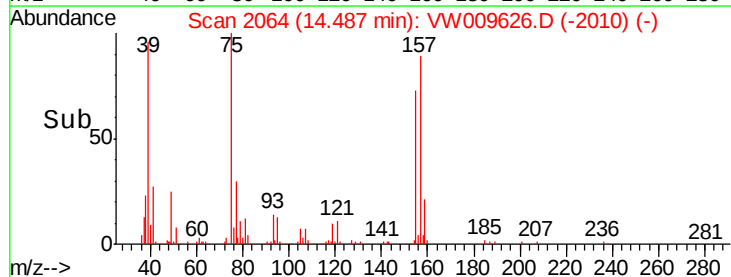
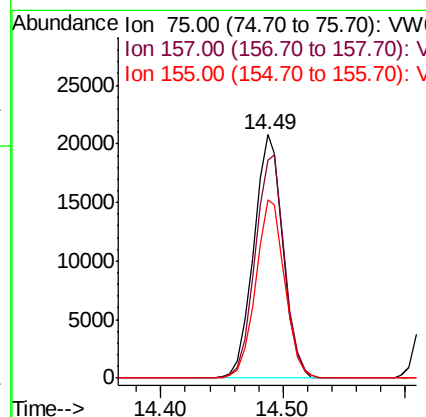
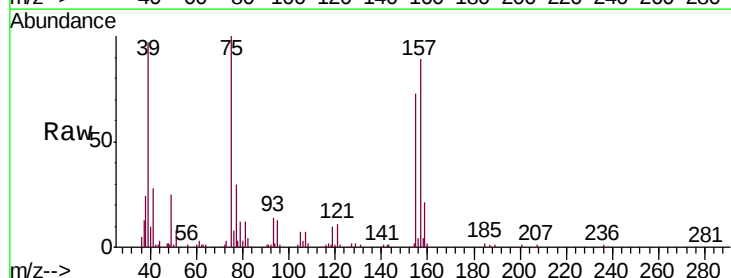
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

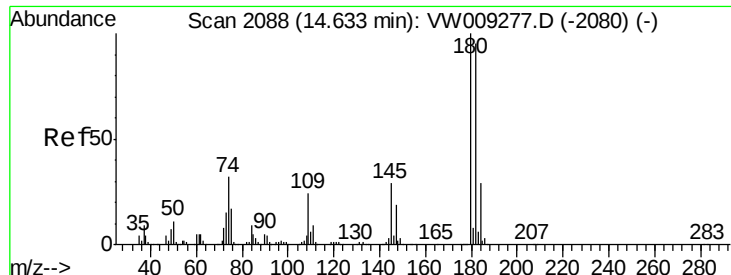
Tgt Ion: 146 Resp: 319515
 Ion Ratio Lower Upper
 146 100
 111 42.9 33.5 50.3
 148 63.7 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.185 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

Tgt Ion: 75 Resp: 34469
 Ion Ratio Lower Upper
 75 100
 157 89.3 89.0 133.4
 155 73.3 64.2 96.2

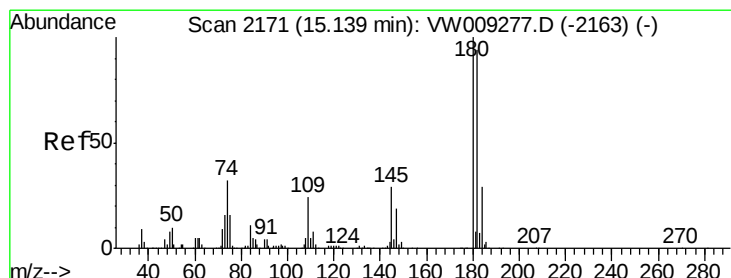
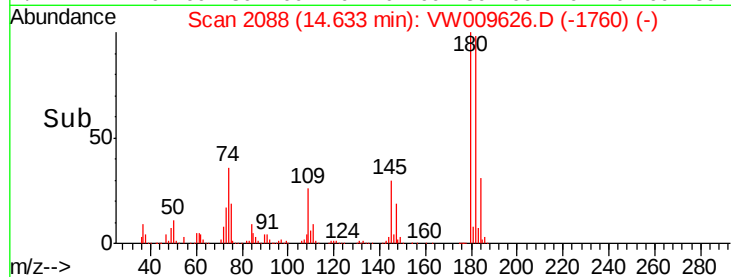
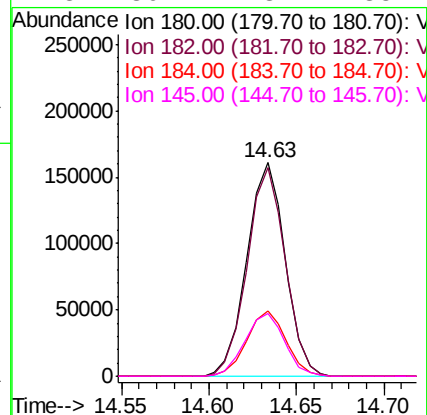
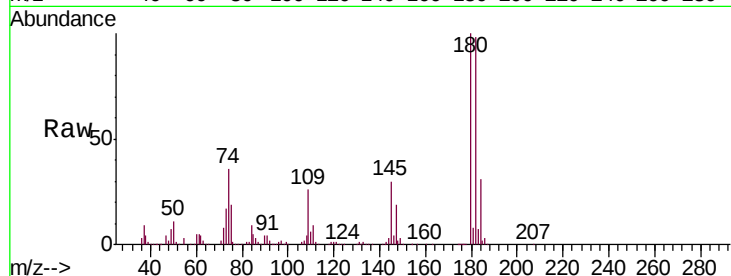




#67
 1,3,5-Trichlorobenzene
 Concen: 22.448 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

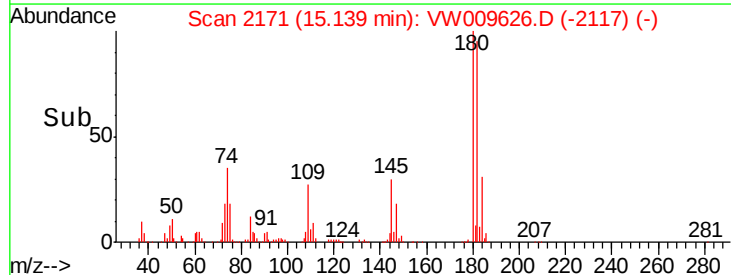
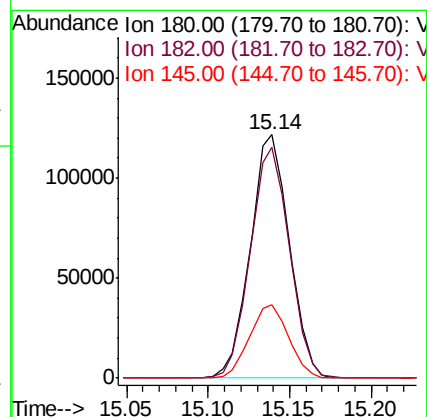
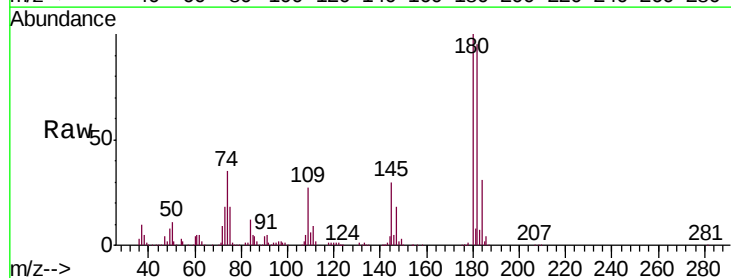
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

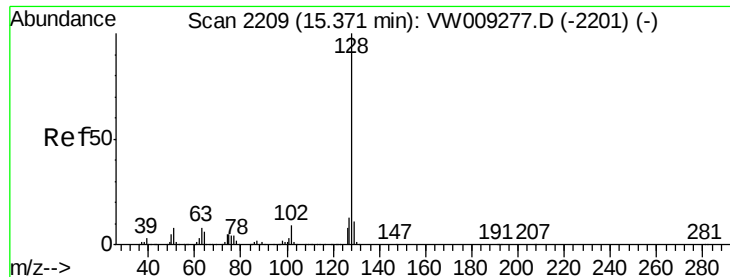
Tgt Ion:	180	Resp:	246601
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.1	114.1
184	31.1	23.8	35.6
145	30.4	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 21.946 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009626.D
 Acq: 01 Apr 2019 15:14

Tgt Ion:	180	Resp:	202505
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.5	113.3
145	30.4	24.1	36.1





#69

Naphthalene

Concen: 23.735 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

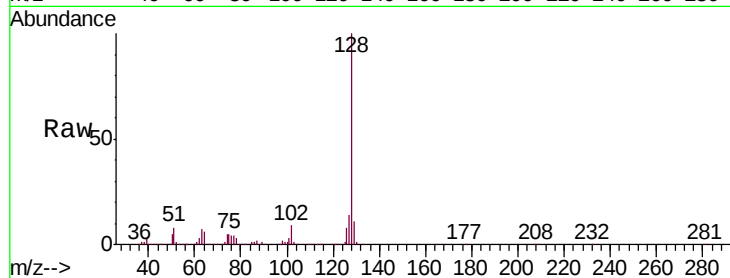
Tgt Ion:128 Resp: 454074

Ion Ratio Lower Upper

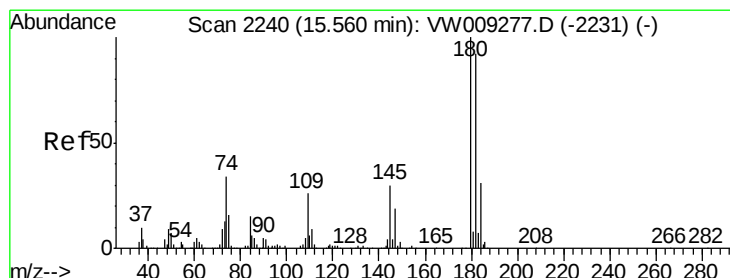
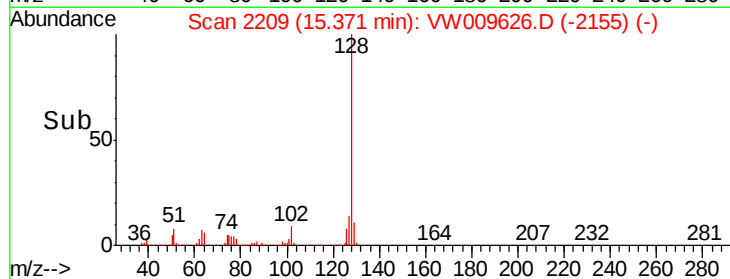
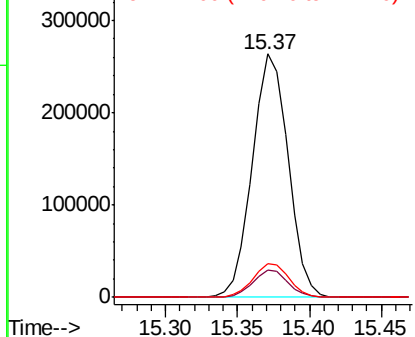
128 100

129 11.1 8.7 13.1

127 14.1 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: 22.652 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009626.D

Acq: 01 Apr 2019 15:14

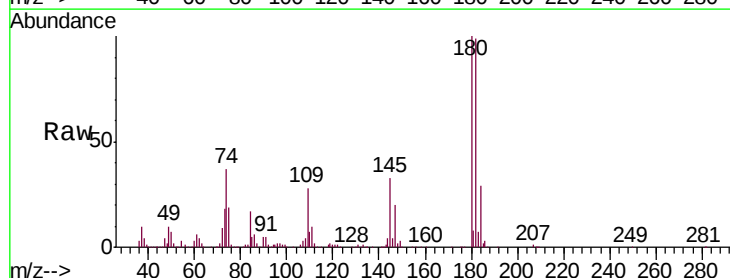
Tgt Ion:180 Resp: 195776

Ion Ratio Lower Upper

180 100

182 95.4 77.2 115.8

145 32.4 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

