

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032319\
 Data File : VW009382.D
 Acq On : 23 Mar 2019 11:06
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 23 22:43:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 01:25:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	473605	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	451450	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	239214	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	128703	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.96%
7) Chloroethane-d5	2.89	69	133480	20.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.64%
10) 1,1-Dichloroethene-d2	4.02	63	284524	23.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.04%
20) 2-Butanone-d5	7.07	46	109474	46.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.54%
24) Chloroform-d	7.64	84	301654	23.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	8.31	65	177957	22.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.44%
29) Benzene-d6	8.27	84	555304	22.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.20%
33) 1,2-Dichloropropane-d6	9.27	67	167739	22.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.72%
37) Toluene-d8	10.32	98	515573	22.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.60%
38) trans-1,3-Dichloropropene-	10.57	79	82200	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.56%
39) 2-Hexanone-d5	10.93	63	86691	47.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	177979	24.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	204982	22.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	155066	24.854	ug/L 97
3) Chloromethane	2.21	50	153391	23.173	ug/L 99
5) Vinyl chloride	2.37	62	205710	30.193	ug/L 100
6) Bromomethane	2.78	94	140920	24.688	ug/L 99
8) Chloroethane	2.93	64	140875	24.992	ug/L 96
9) Trichlorofluoromethane	3.26	101	109018	20.257	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	162343	26.120	ug/L 96
12) 1,1-Dichloroethene	4.04	96	154183	26.437	ug/L 86
13) Acetone	4.12	43	98347	51.238	ug/L 99
14) Carbon disulfide	4.38	76	436989	27.841	ug/L 100
15) Methyl Acetate	4.66	43	89725	23.795	ug/L 96
16) Methylene chloride	4.91	84	161182	23.338	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	201522	24.421	ug/L 99
18) trans-1,2-Dichloroethene	5.41	96	156914	25.591	ug/L 97
19) 1,1-Dichloroethane	6.21	63	289312	25.877	ug/L 100
21) 2-Butanone	7.17	43	131632	49.668	ug/L 97
22) cis-1,2-Dichloroethene	7.16	96	168730	25.402	ug/L 98

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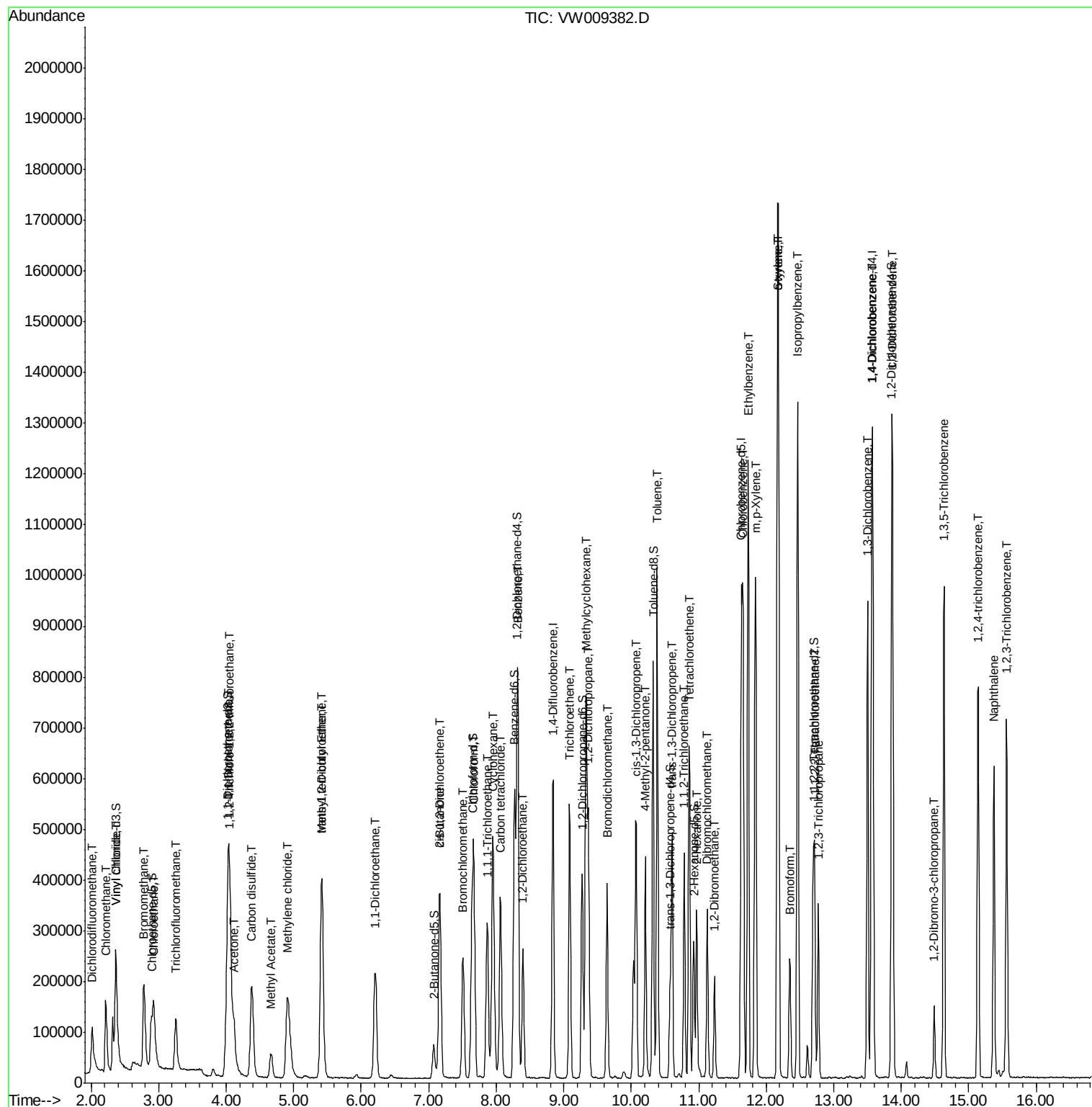
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	80635	25.310	ug/L	98
25) Chloroform	7.67	83	305101	26.059	ug/L	100
27) 1,2-Dichloroethane	8.40	62	228017	26.121	ug/L	98
30) Cyclohexane	7.95	56	262918	25.643	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	241662	26.802	ug/L	99
32) Carbon tetrachloride	8.06	117	246825	27.132	ug/L	97
34) Benzene	8.32	78	647143	26.190	ug/L	100
35) Trichloroethene	9.09	95	167744	25.477	ug/L	99
36) Methylcyclohexane	9.33	83	290703	25.520	ug/L	99
40) 1,2-Dichloropropane	9.37	63	164327	25.916	ug/L	100
41) Bromodichloromethane	9.64	83	228145	25.968	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	262103	25.380	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	277886	48.364	ug/L	99
44) Toluene	10.38	91	702823	26.014	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	229594	25.557	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	129142	25.529	ug/L	98
47) Tetrachloroethene	10.86	164	137448	24.706	ug/L	96
49) 2-Hexanone	10.97	43	209501	51.770	ug/L	100
50) Dibromochloromethane	11.13	129	159957	25.615	ug/L	94
51) 1,2-Dibromoethane	11.23	107	128770	25.110	ug/L #	99
52) Chlorobenzene	11.66	112	447307	25.814	ug/L	98
53) Ethylbenzene	11.73	91	805328	26.514	ug/L	100
54) m,p-Xylene	11.84	106	301345	26.114	ug/L	96
55) o-xylene	12.17	106	291739	25.914	ug/L	91
56) Styrene	12.18	104	509683	26.535	ug/L	96
57) Isopropylbenzene	12.46	105	814824	27.019	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	175813	25.763	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	129921	25.653	ug/L	99
62) Bromoform	12.35	173	100500	24.865	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	358584	25.152	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	378902	25.706	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	350831	25.803	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	32478	24.374	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	281755	25.337	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	237248	25.399	ug/L	100
69) Naphthalene	15.37	128	493224	25.469	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	222978	25.487	ug/L	99

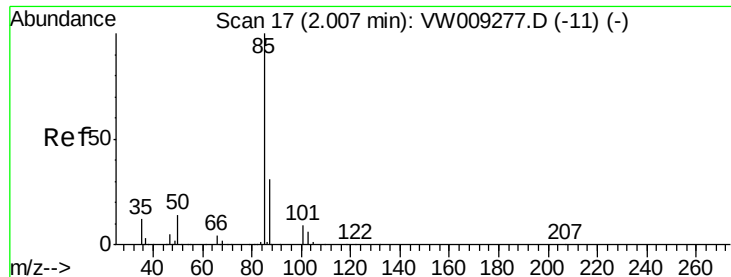
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.854 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

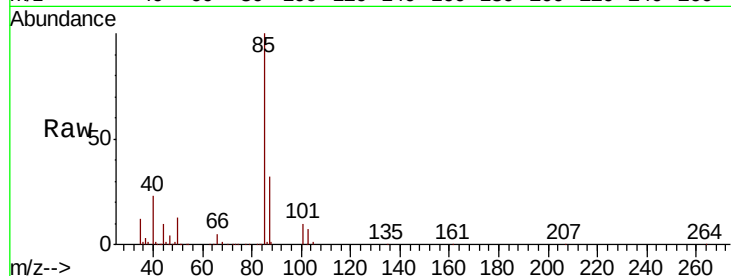
ClientSampled :

Tot Ion: 85 Resp: 155066

Ion Ratio Lower Upper

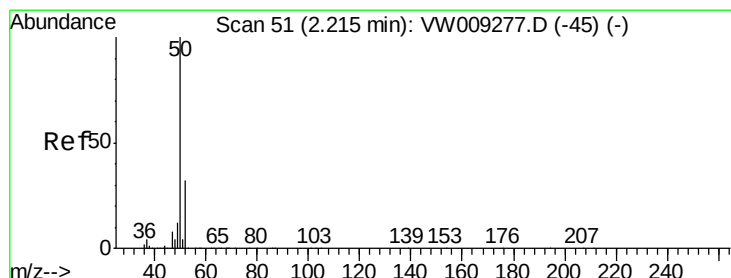
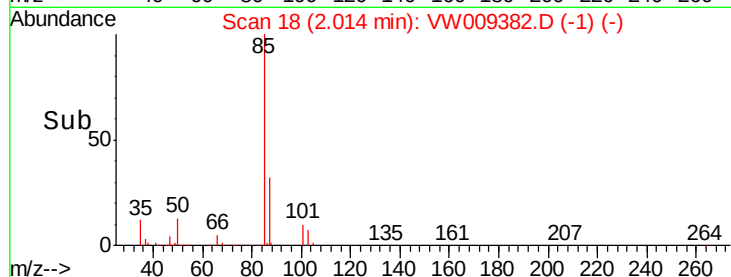
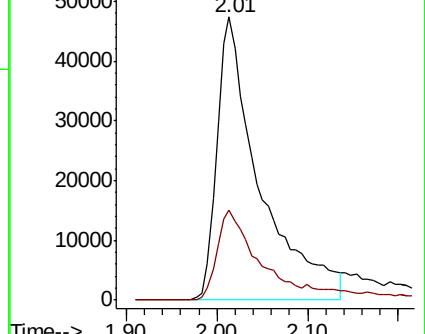
85 100

87 29.6 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: 23.173 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009382.D

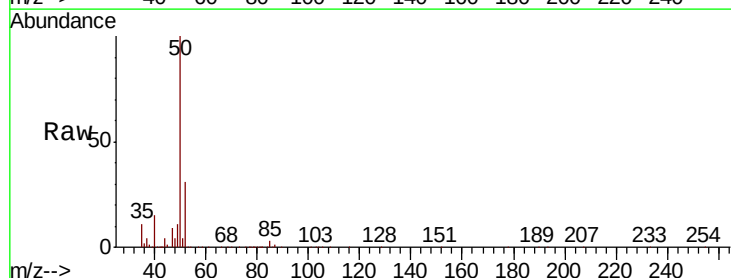
Acq: 23 Mar 2019 11:06

Tgt Ion: 50 Resp: 153391

Ion Ratio Lower Upper

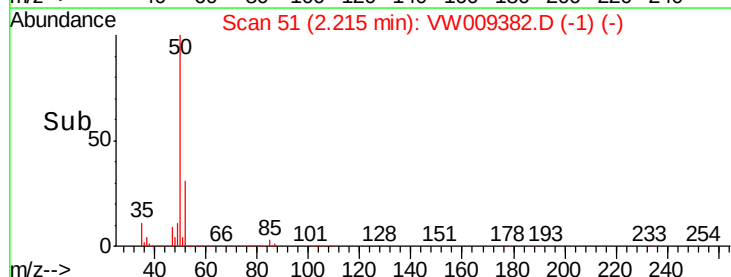
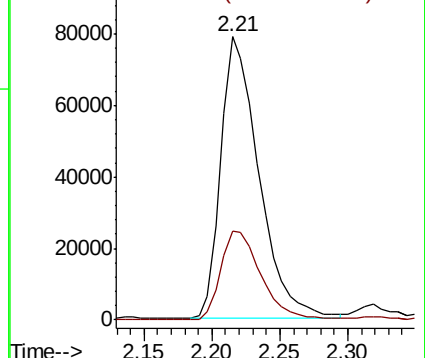
50 100

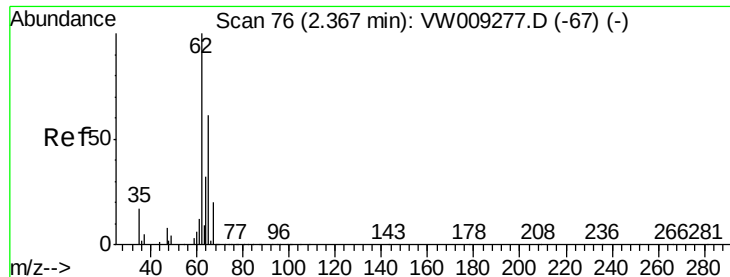
52 31.4 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 30.193 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

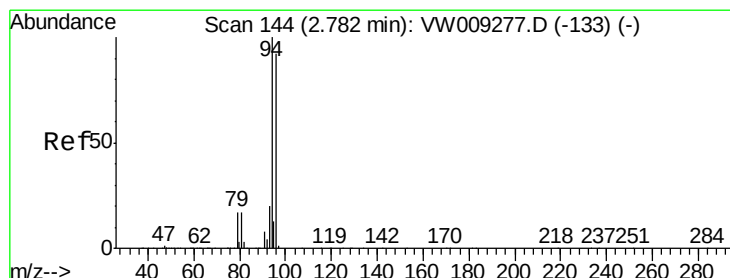
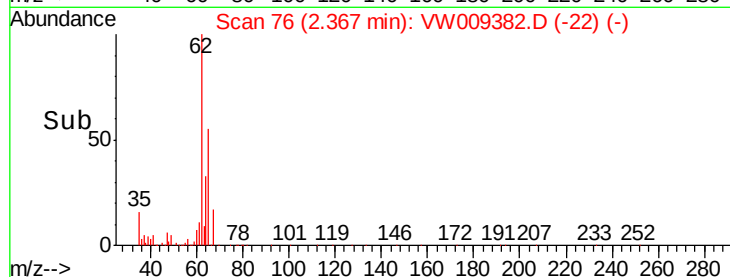
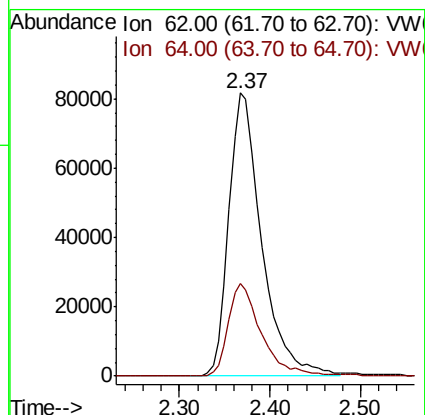
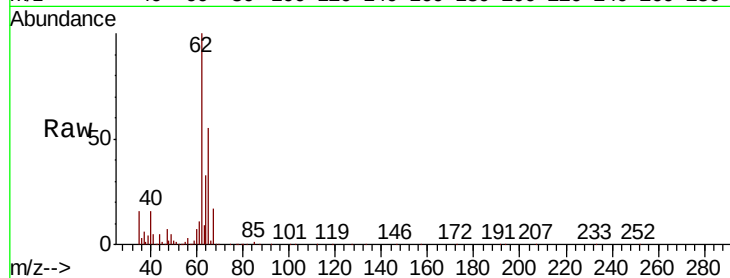
ClientSampleId :

Tot Ion: 62 Resp: 205710

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.6



#6

Bromomethane

Concen: 24.688 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW009382.D

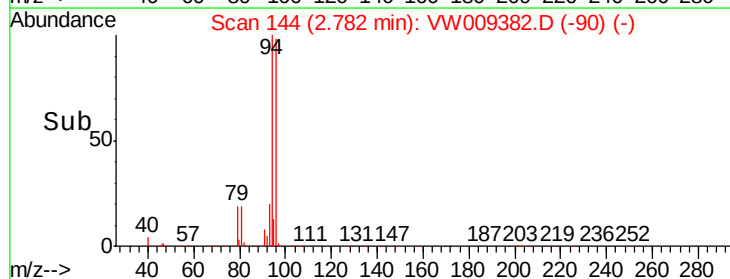
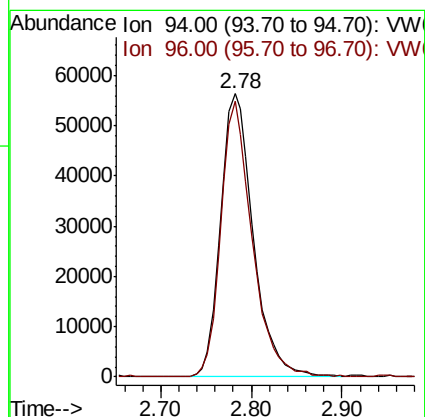
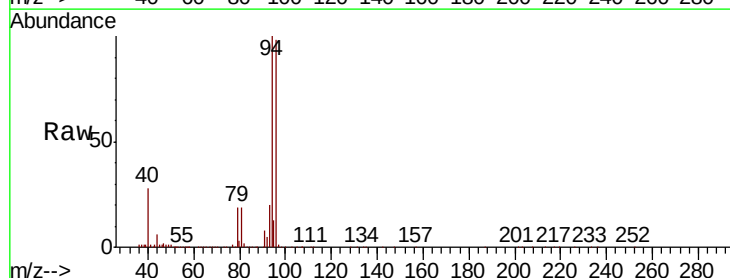
Acq: 23 Mar 2019 11:06

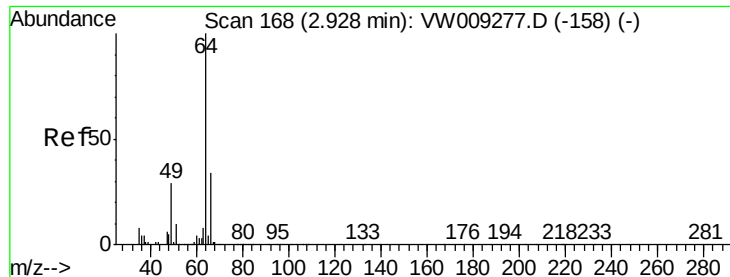
Tgt Ion: 94 Resp: 140920

Ion Ratio Lower Upper

94 100

96 93.3 9.4 178.4





#8

Chloroethane

Concen: 24.992 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

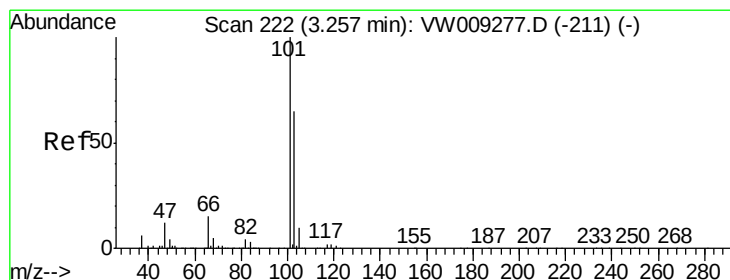
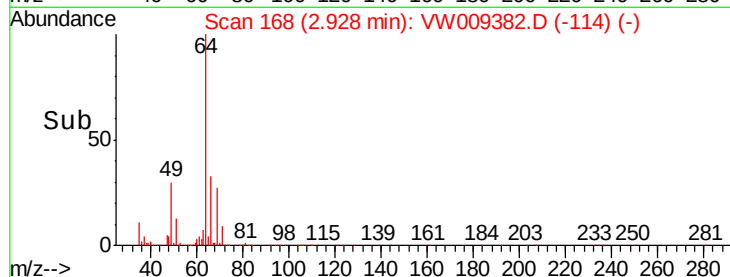
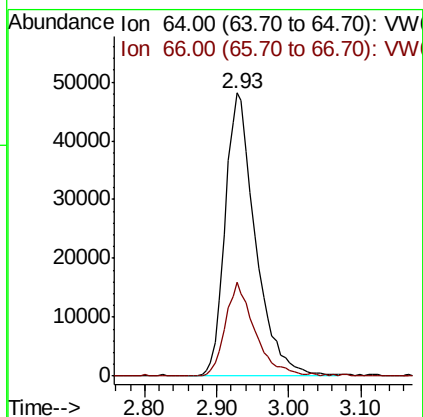
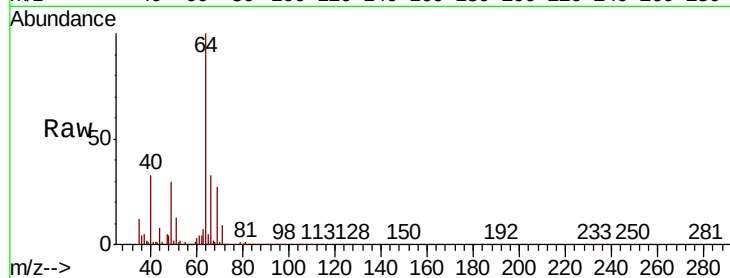
ClientSampleId :

Tot Ion: 64 Resp: 140875

Ion Ratio Lower Upper

64 100

66 33.4 25.1 46.7



#9

Trichlorofluoromethane

Concen: 20.257 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW009382.D

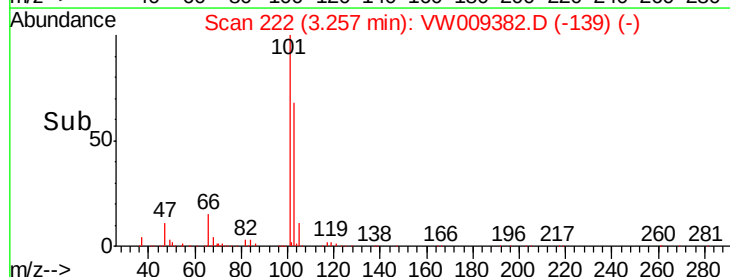
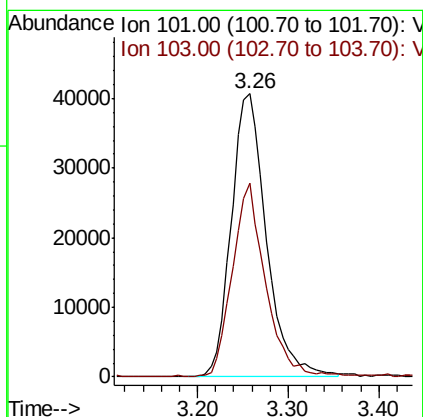
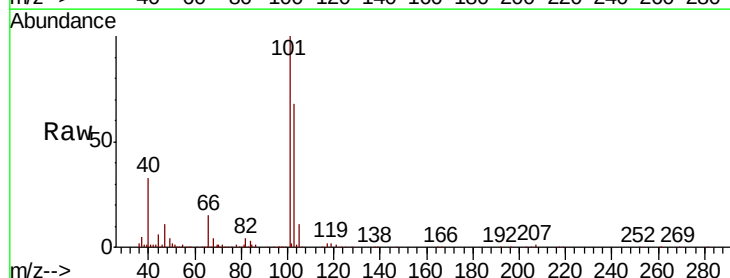
Acq: 23 Mar 2019 11:06

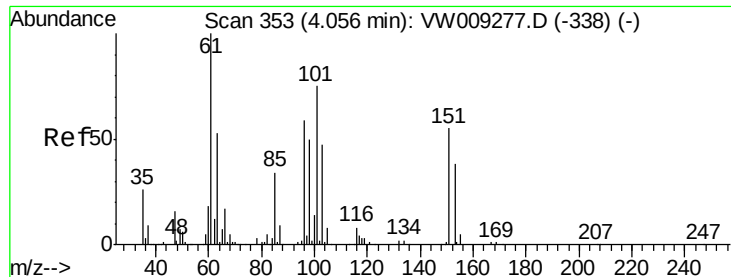
Tgt Ion: 101 Resp: 109018

Ion Ratio Lower Upper

101 100

103 64.0 45.0 83.6





#11

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

Concen: 26.120 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

ClientSampled :

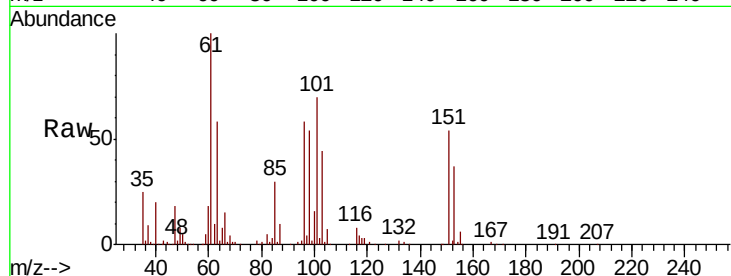
Tot Ion:101 Resp: 162343

Ion Ratio Lower Upper

101 100

85 43.9 32.6 48.8

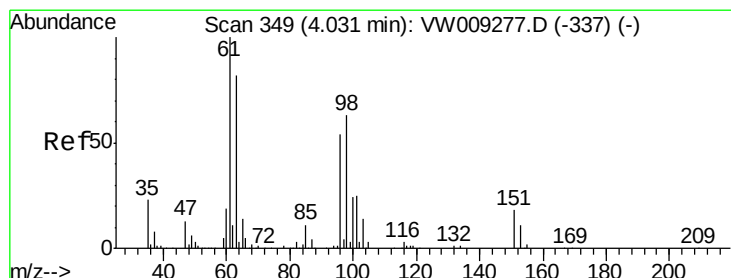
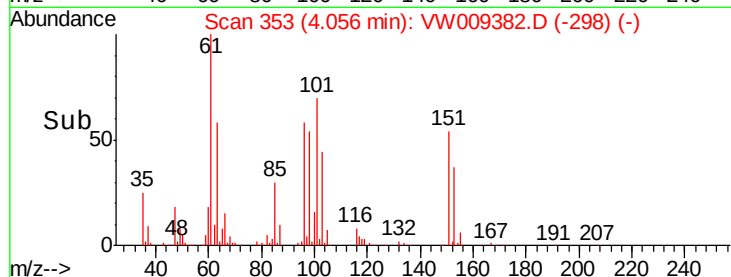
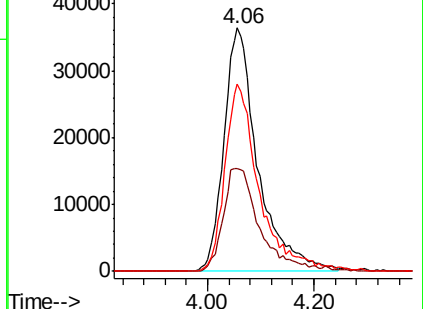
151 75.8 63.3 94.9



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: 26.437 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

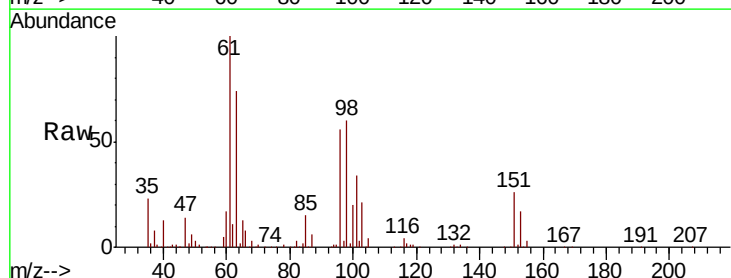
Tgt Ion: 96 Resp: 154183

Ion Ratio Lower Upper

96 100

61 178.5 129.4 240.2

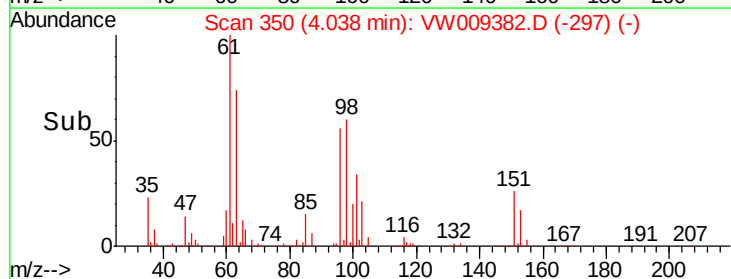
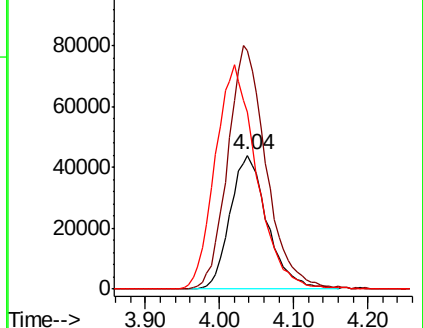
63 132.1 116.8 217.0

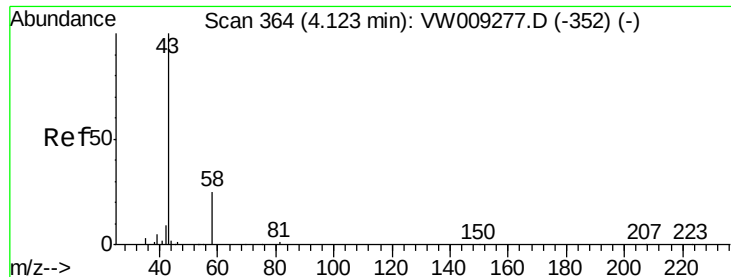


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.238 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

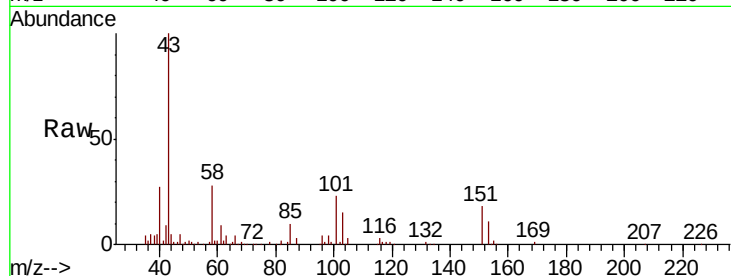
ClientSampleId :

Tot Ion: 43 Resp: 98347

Ion Ratio Lower Upper

43 100

58 27.8 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

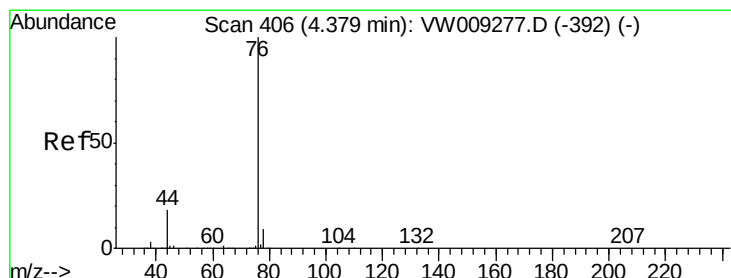
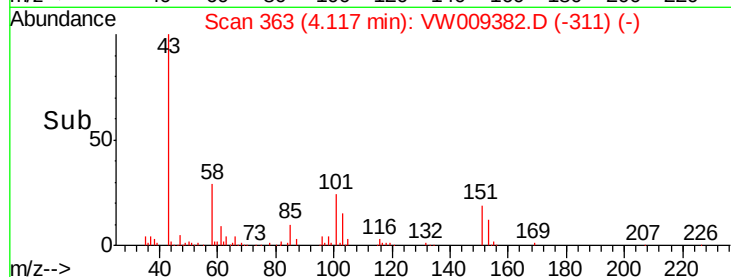
30000

20000

10000

0

Time--> 4.00 4.05 4.10 4.15 4.20



#14

Carbon disulfide

Concen: 27.841 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009382.D

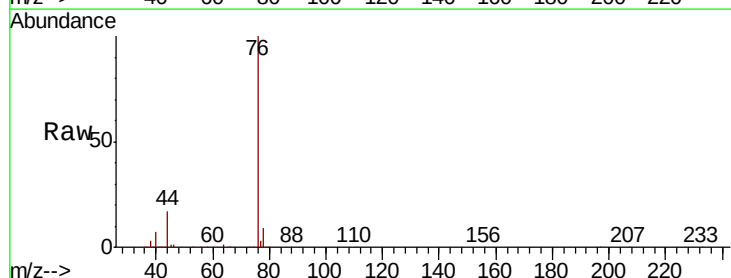
Acq: 23 Mar 2019 11:06

Tgt Ion: 76 Resp: 436989

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

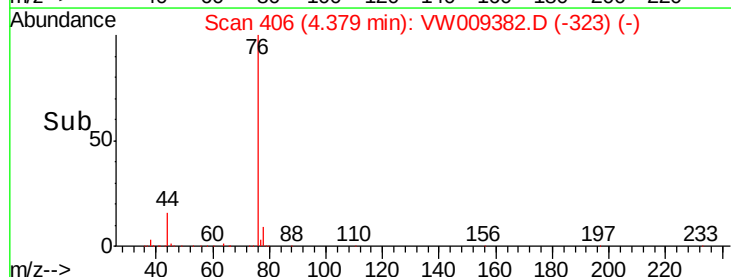
150000

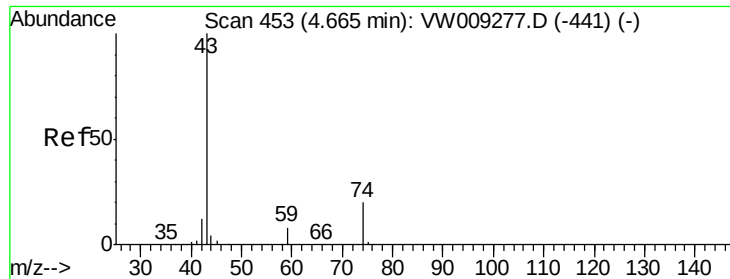
100000

50000

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Time--> 4.20 4.30 4.40 4.50

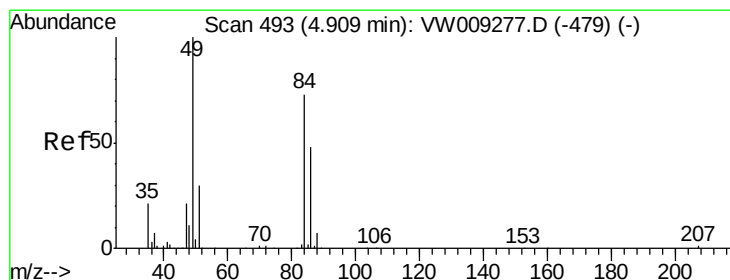
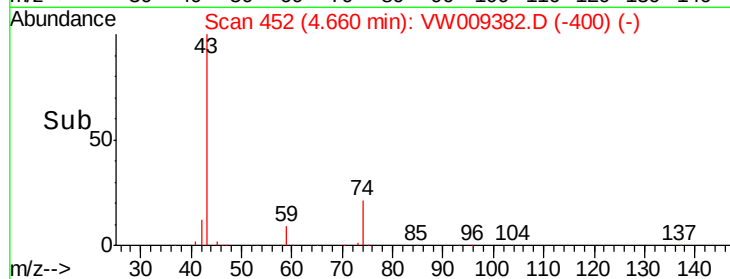
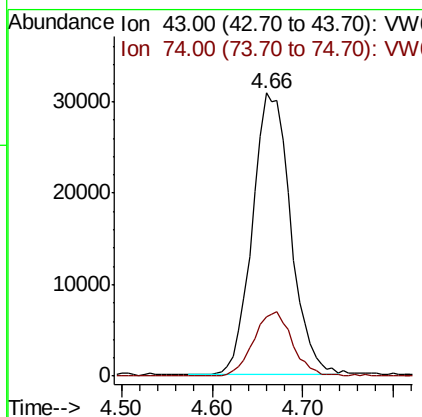
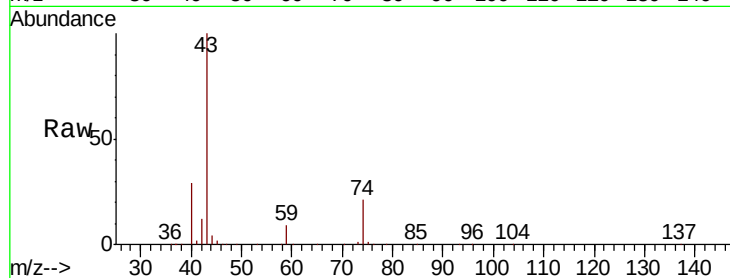




#15
Methvl Acetate
Concen: 23.795 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

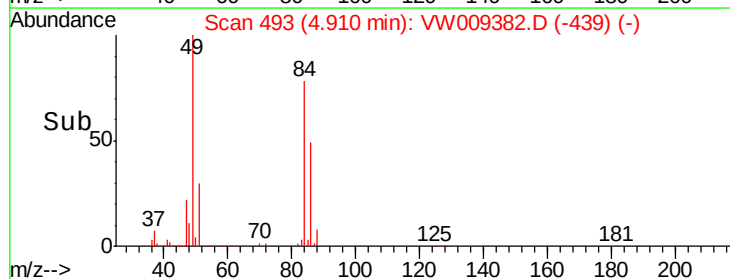
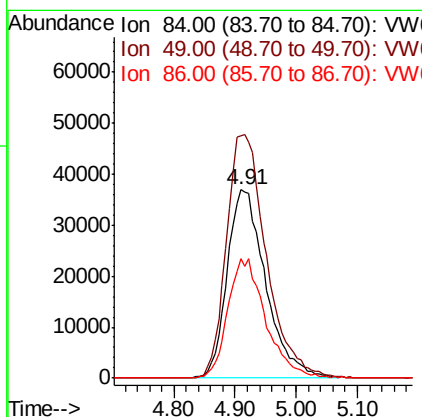
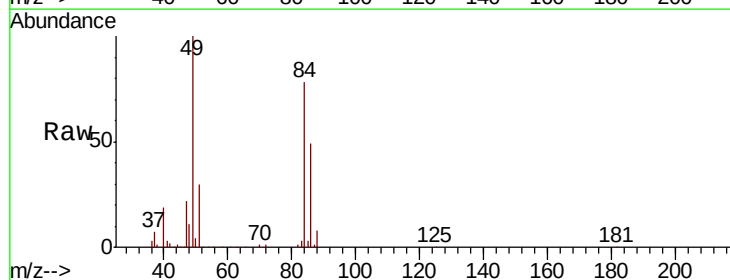
Instrument :
MSVOA_W
ClientSampleId :

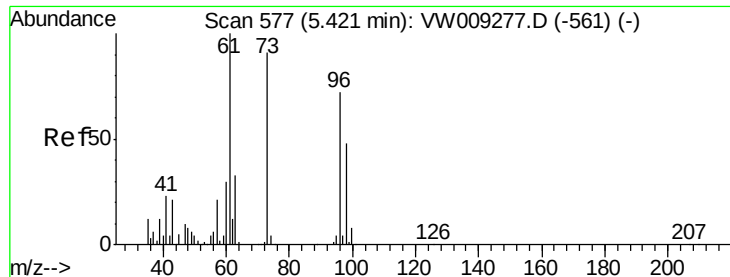
Tot Ion: 43 Resp: 89725
Ion Ratio Lower Upper
43 100
74 22.9 16.7 25.1



#16
Methylene chloride
Concen: 23.338 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

Tgt Ion: 84 Resp: 161182
Ion Ratio Lower Upper
84 100
49 128.5 96.0 178.2
86 63.2 44.4 82.5

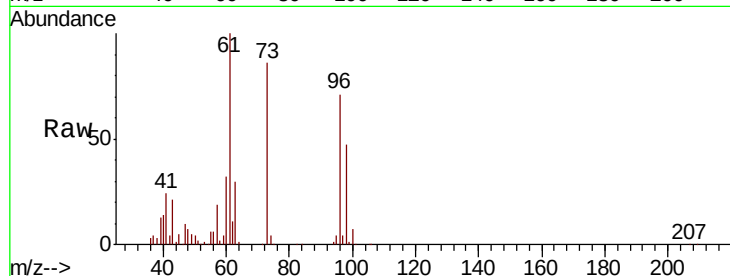




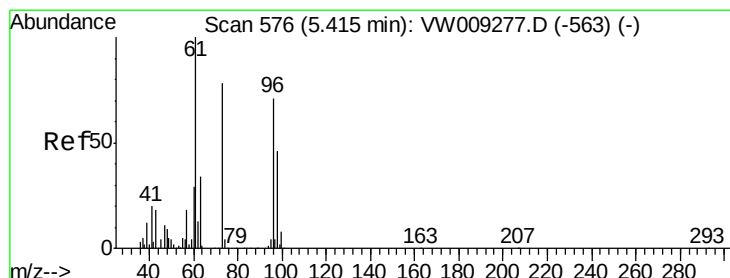
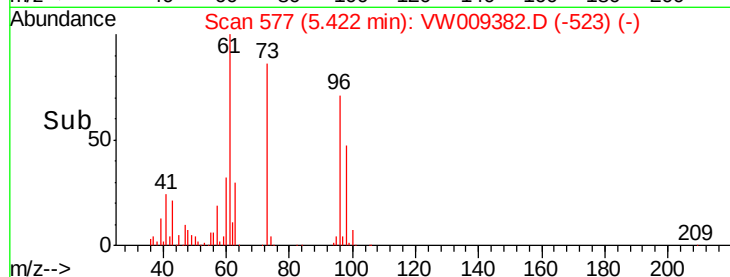
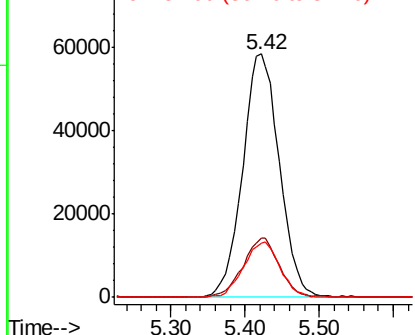
#17
Methyl tert-butyl Ether
Concen: 24.421 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.8	18.2	27.4
57	22.8	17.8	26.8

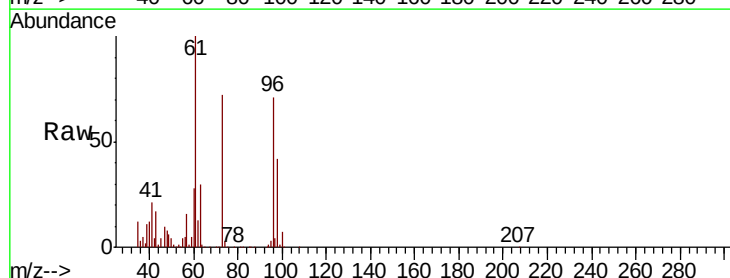


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

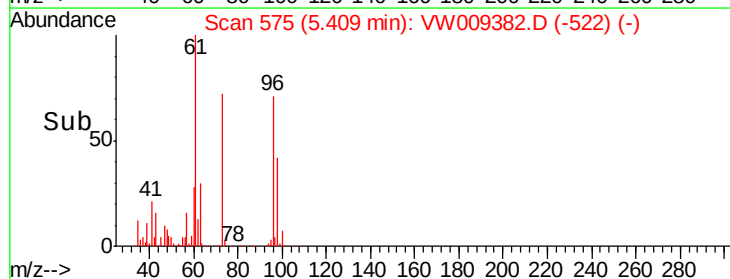
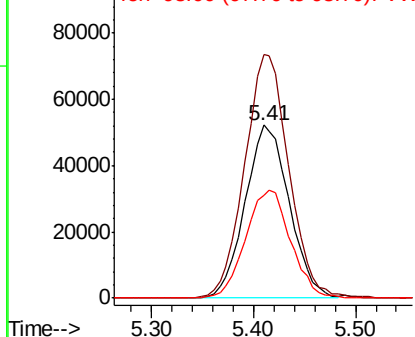


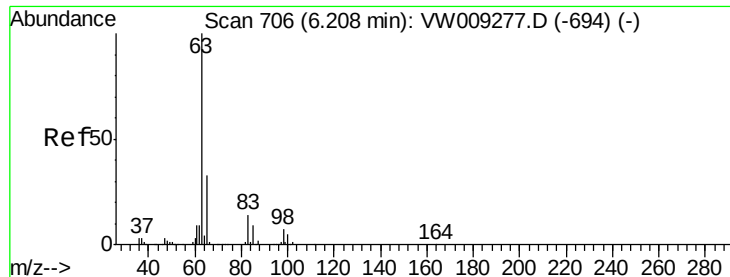
#18
trans-1,2-Dichloroethene
Concen: 25.591 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.8	96.7	179.5
98	59.4	43.8	81.4



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

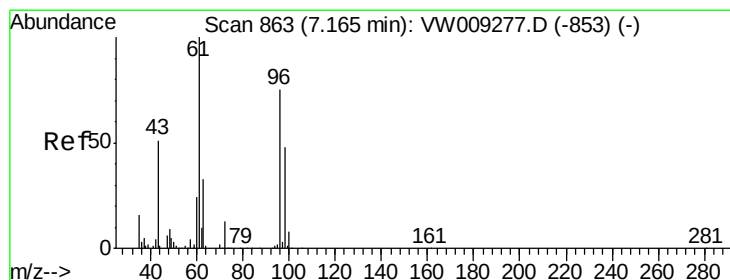
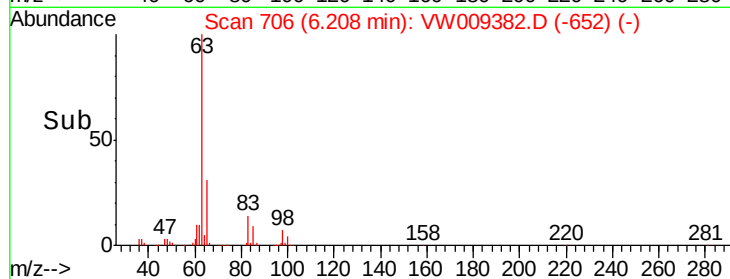
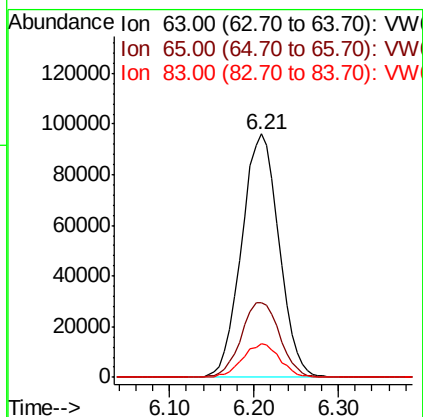
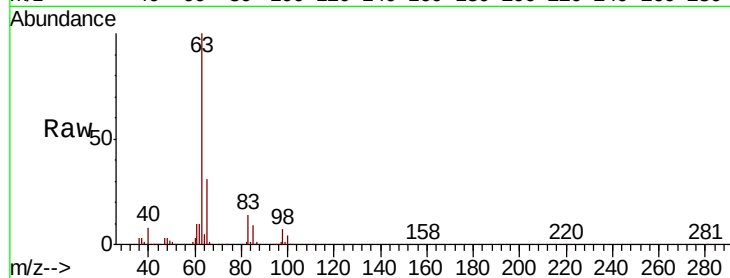




#19
 1,1-Dichloroethane
 Concen: 25.877 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

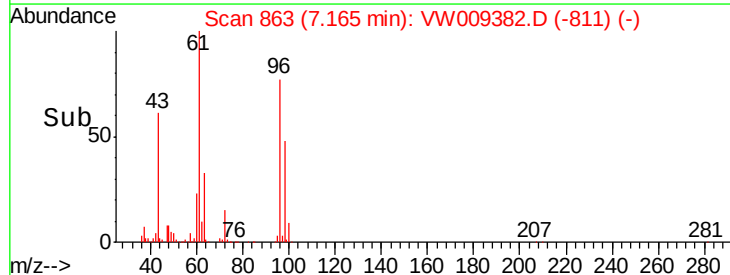
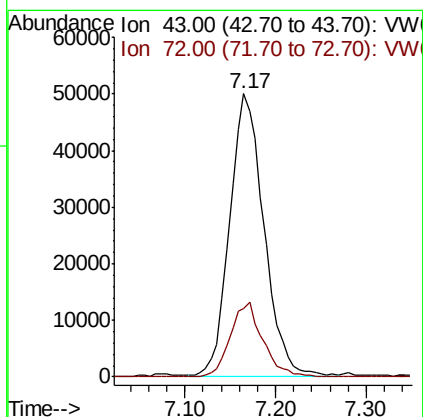
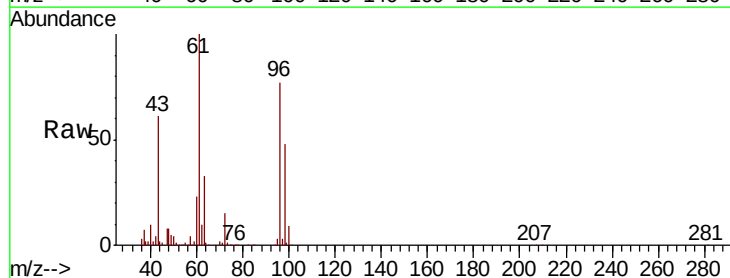
Instrument :
 MSVOA_W
 ClientSampleId :

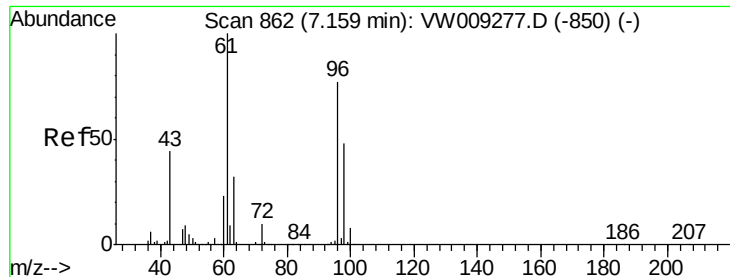
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	21.6	40.0
83	13.9	10.1	18.7



#21
 2-Butanone
 Concen: 49.668 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.7	13.1	39.1



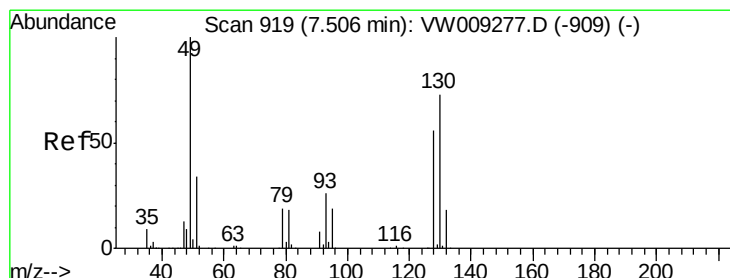
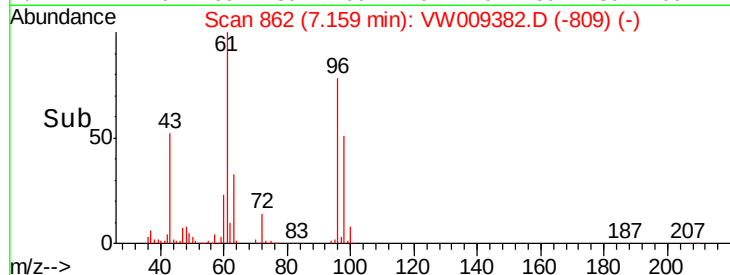
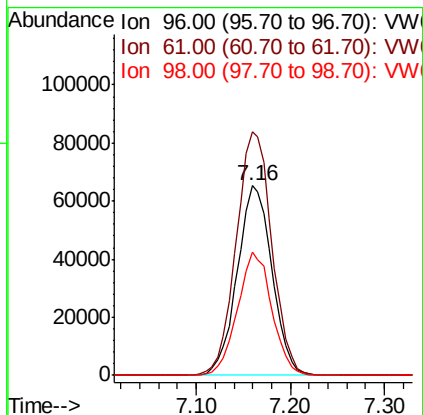
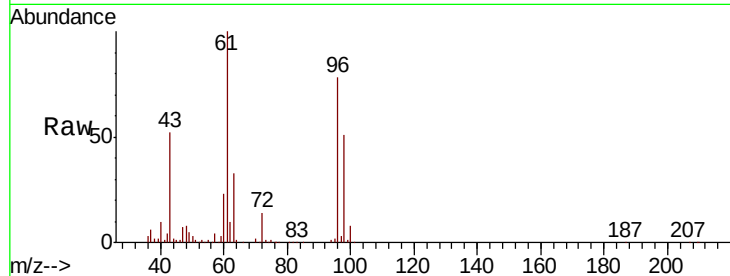


#22

cis-1,2-Dichloroethene
Concen: 25.402 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

Instrument :
MSVOA_W
ClientSampled :

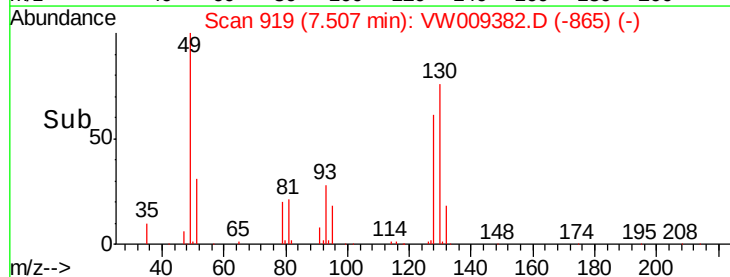
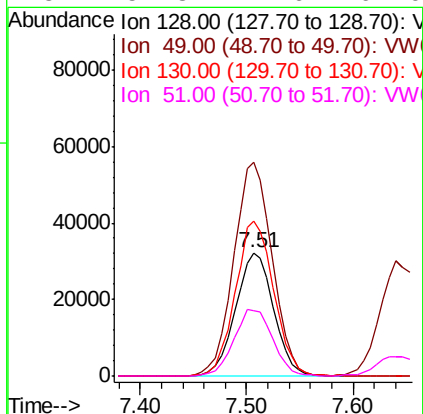
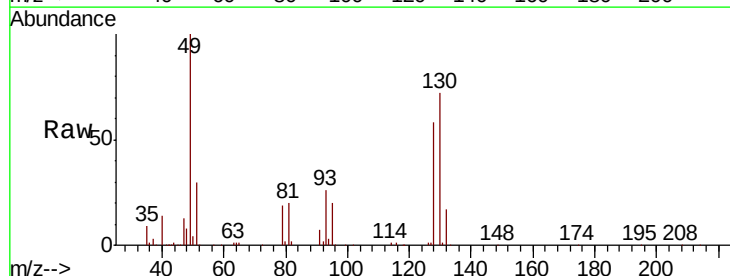
Tot Ion: 96 Resp: 168730
Ion Ratio Lower Upper
96 100
61 128.7 90.6 168.3
98 65.4 44.0 81.8

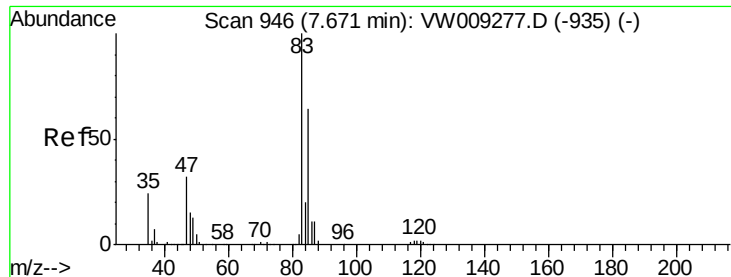


#23

Bromochloromethane
Concen: 25.310 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

Tgt Ion: 128 Resp: 80635
Ion Ratio Lower Upper
128 100
49 173.5 118.4 219.8
130 125.5 87.8 163.2
51 52.8 44.6 67.0

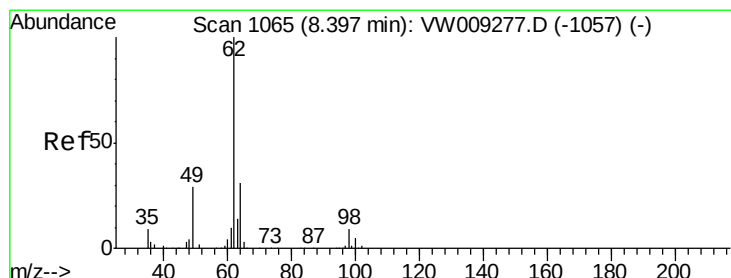
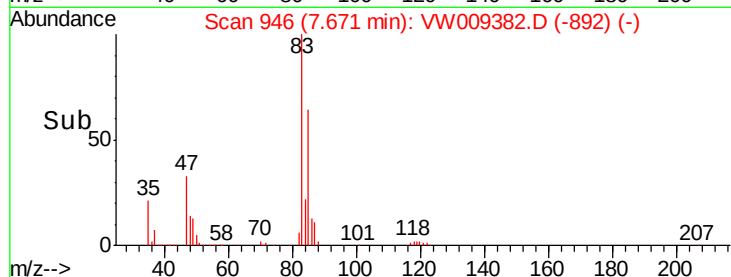
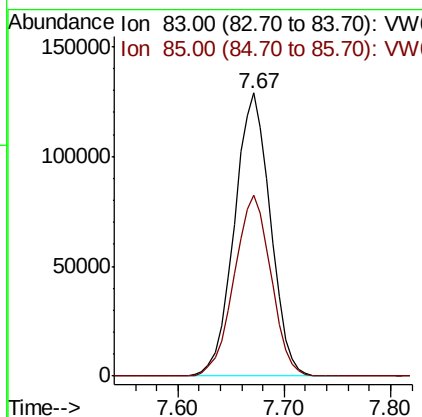
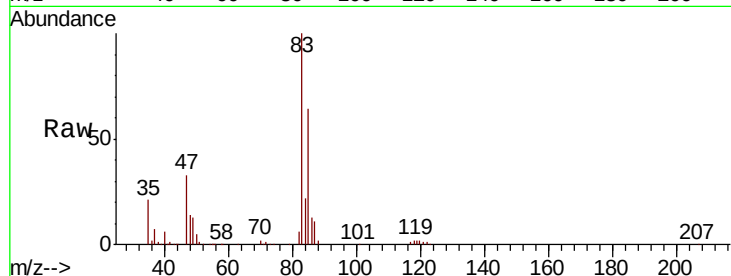




#25
Chloroform
Concen: 26.059 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

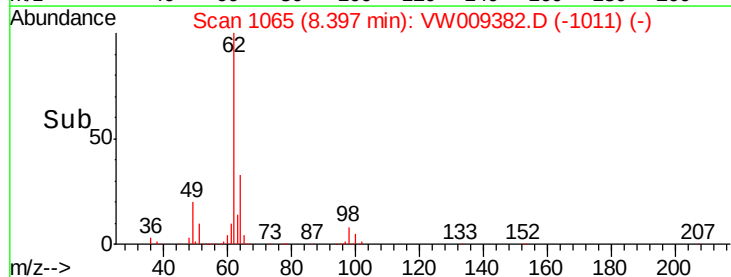
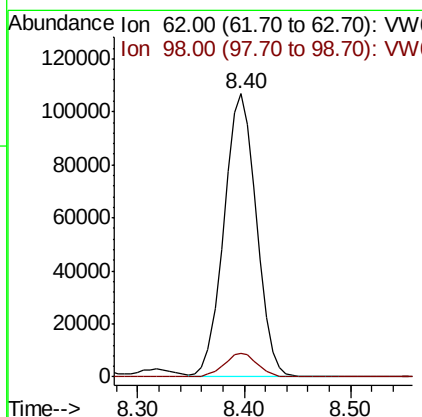
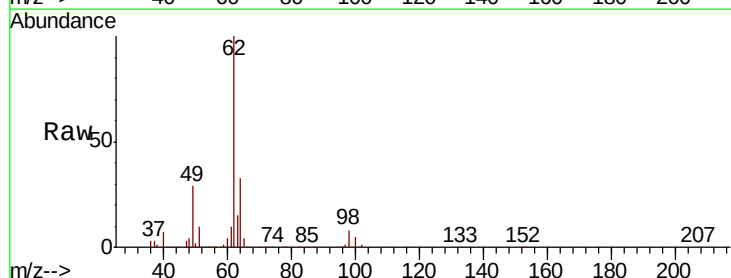
Instrument :
MSVOA_W
ClientSampled :

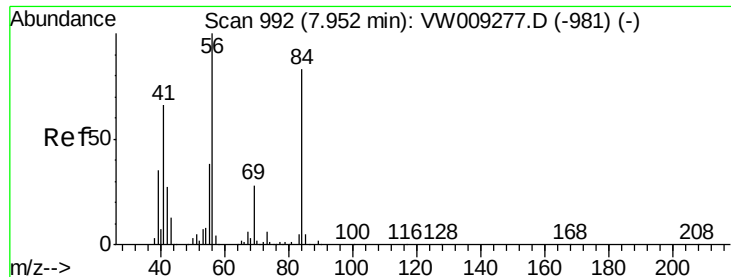
Tot Ion: 83 Resp: 305101
Ion Ratio Lower Upper
83 100
85 65.5 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.121 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

Tgt Ion: 62 Resp: 228017
Ion Ratio Lower Upper
62 100
98 8.5 7.3 10.9

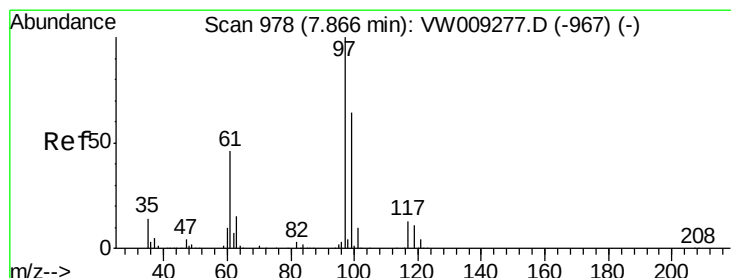
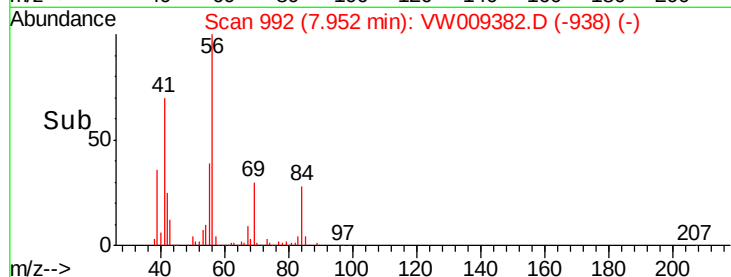
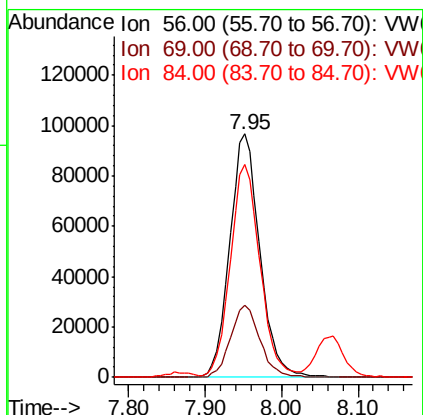
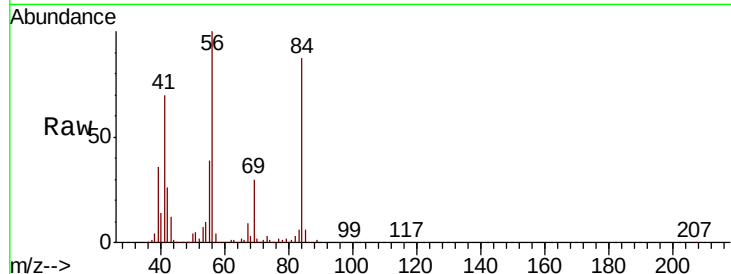




#30
Cyclohexane
Concen: 25.643 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

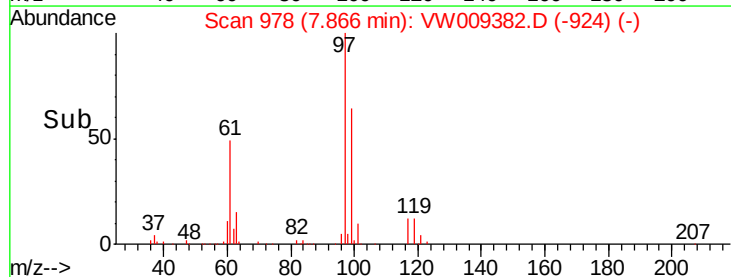
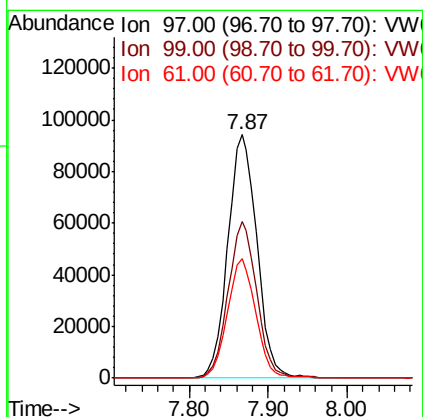
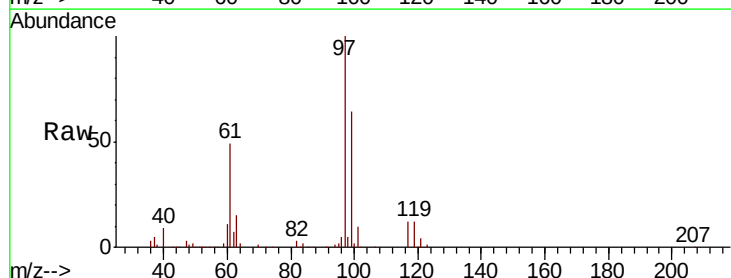
Instrument :
MSVOA_W
ClientSampleId :

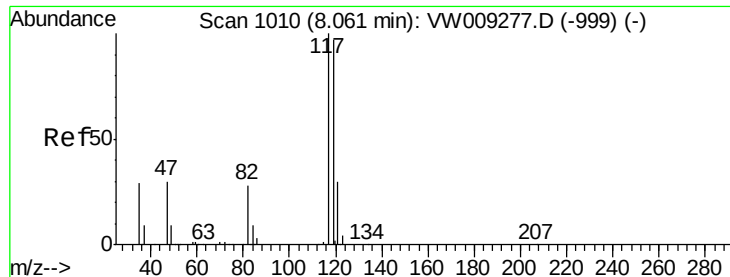
Tot Ion: 56 Resp: 262918
Ion Ratio Lower Upper
56 100
69 29.2 24.0 36.0
84 86.1 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 26.802 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

Tgt Ion: 97 Resp: 241662
Ion Ratio Lower Upper
97 100
99 63.0 51.2 76.8
61 47.5 38.4 57.6





#32

Carbon tetrachloride

Concen: 27.132 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

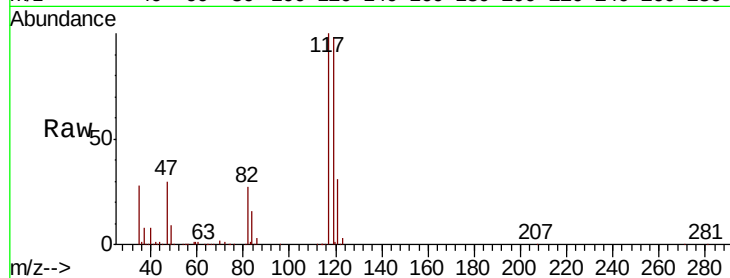
ClientSampled :

Tot Ion:117 Resp: 246825

Ion Ratio Lower Upper

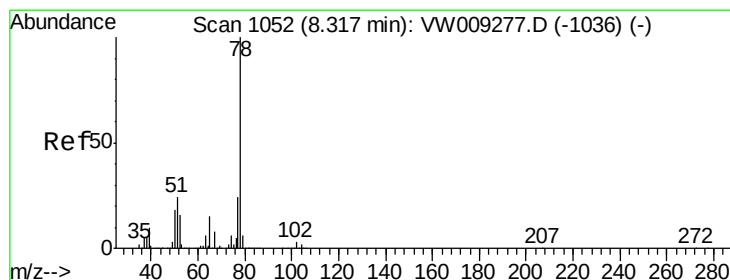
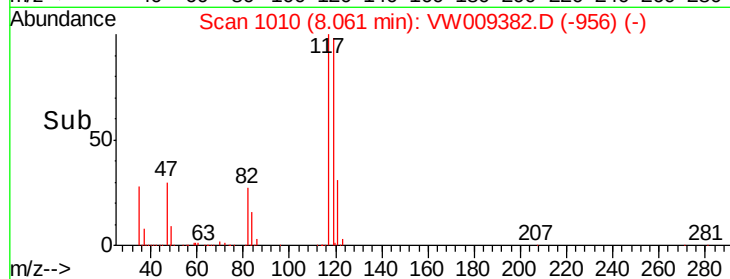
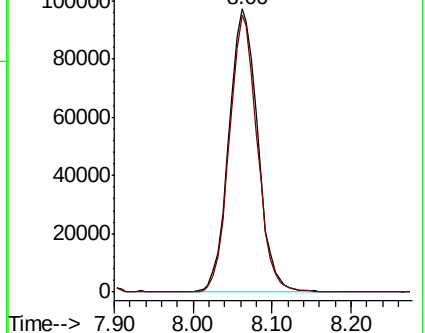
117 100

119 94.5 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.190 ug/L

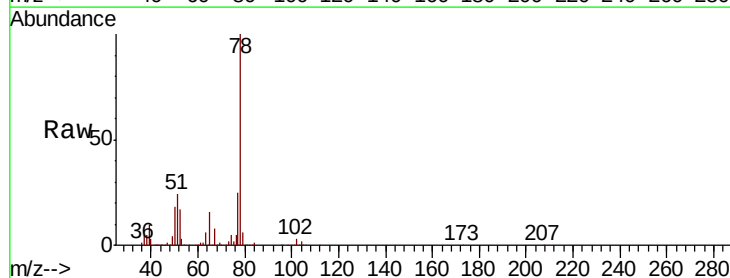
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

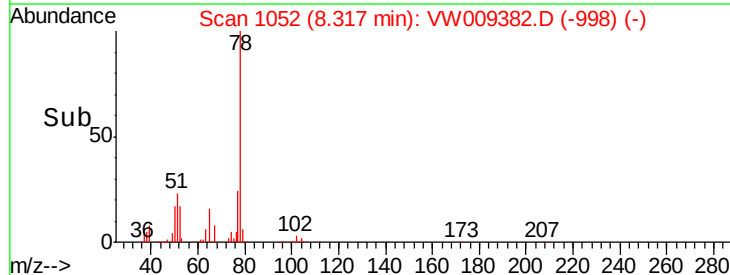
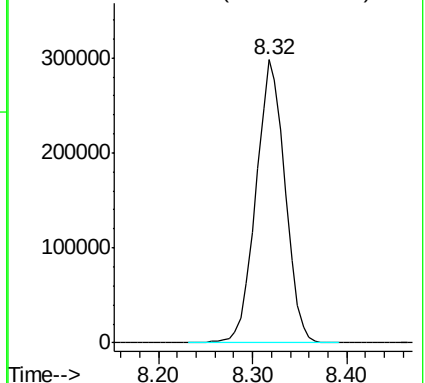
Lab File: VW009382.D

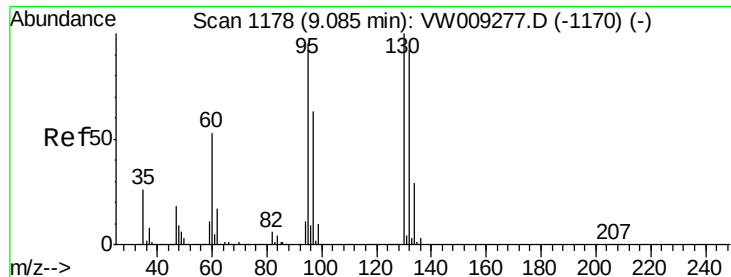
Acq: 23 Mar 2019 11:06

Tgt Ion: 78 Resp: 647143



Abundance Ion 78.00 (77.70 to 78.70): VW

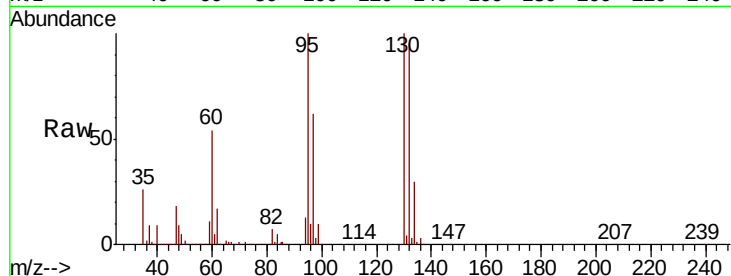




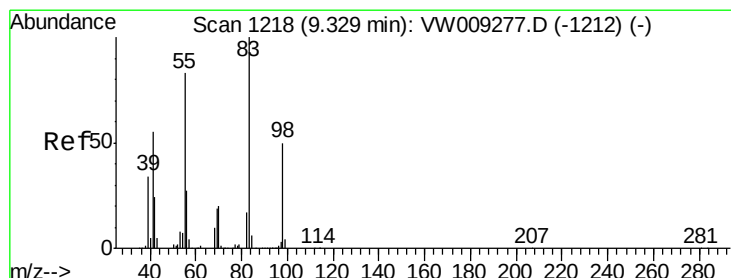
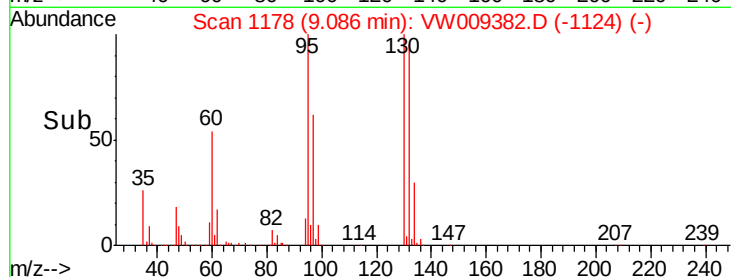
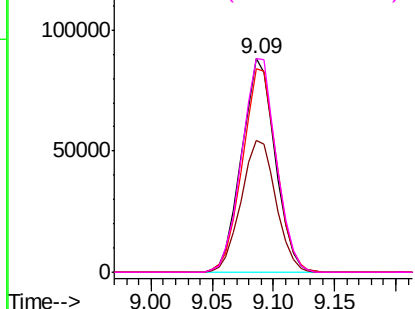
#35
 Trichloroethene
 Concen: 25.477 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 167744
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.7 82.9
 132 97.2 69.0 128.2
 130 102.9 72.7 134.9

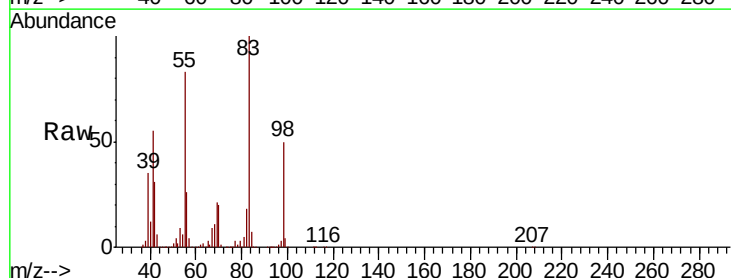


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

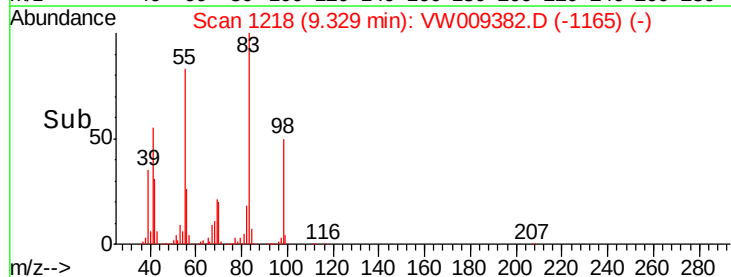
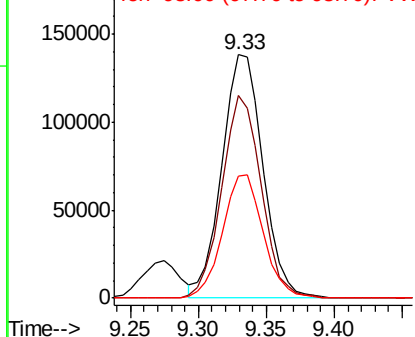


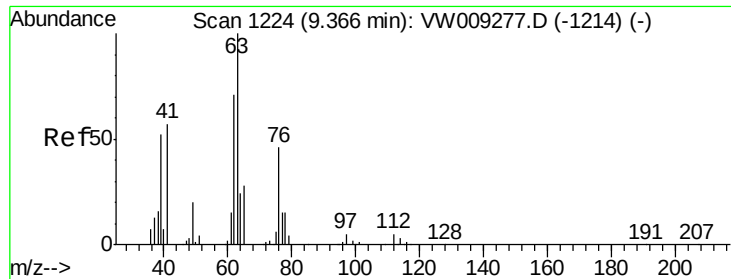
#36
 Methylcyclohexane
 Concen: 25.520 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

Tgt Ion: 83 Resp: 290703
 Ion Ratio Lower Upper
 83 100
 55 80.2 63.5 95.3
 98 50.1 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: 25.916 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

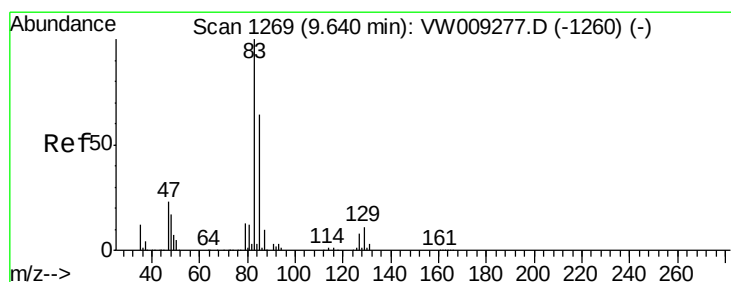
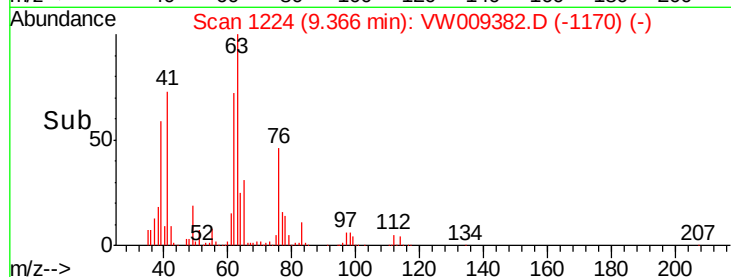
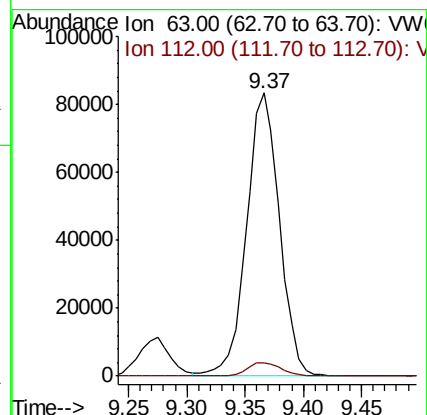
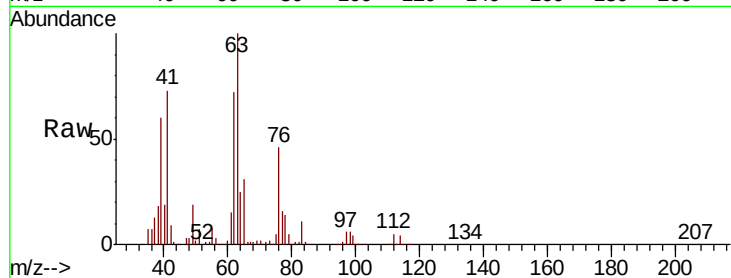
ClientSampleId :

Tot Ion: 63 Resp: 164327

Ion Ratio Lower Upper

63 100

112 5.0 4.0 6.0



#41

Bromodichloromethane

Concen: 25.968 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

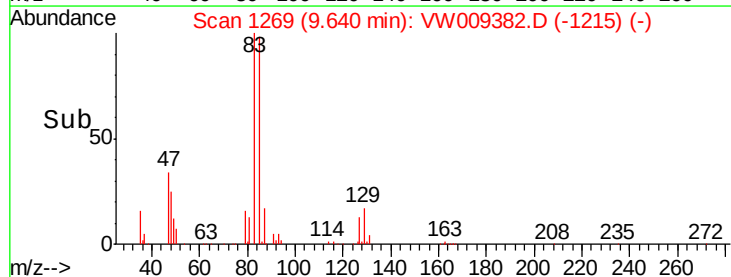
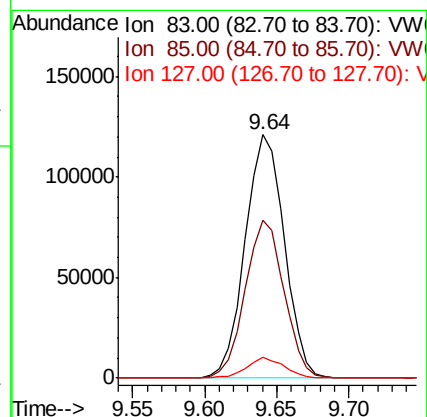
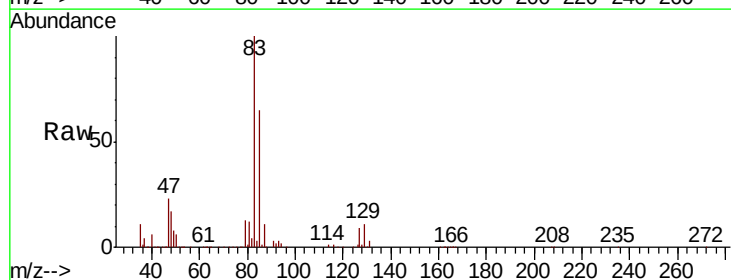
Tgt Ion: 83 Resp: 228145

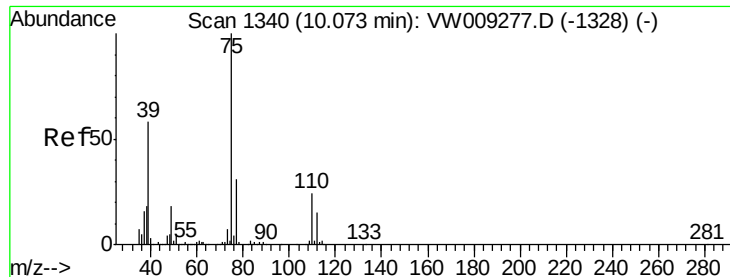
Ion Ratio Lower Upper

83 100

85 64.8 43.5 80.7

127 8.6 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 25.380 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

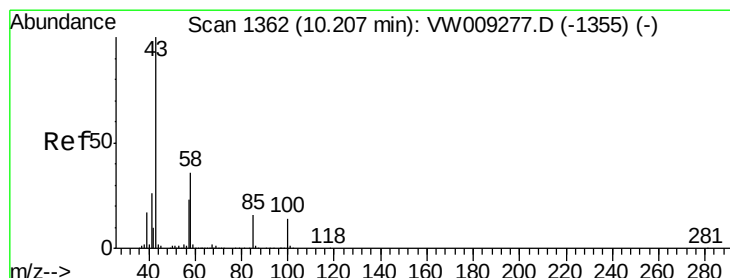
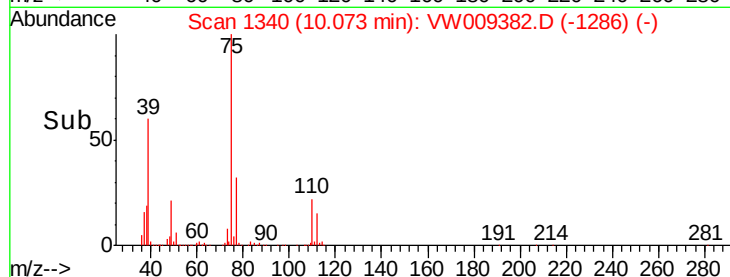
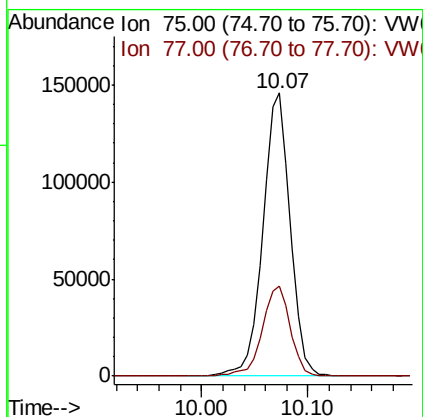
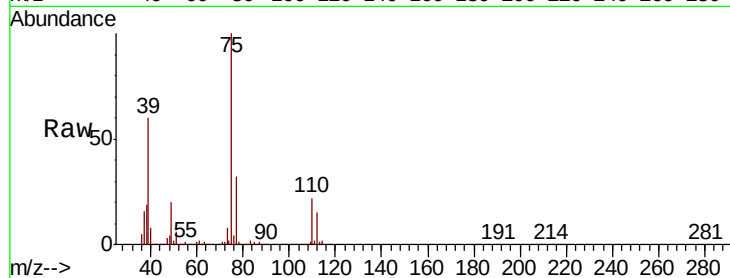
ClientSampleId :

Tot Ion: 75 Resp: 262103

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 48.364 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

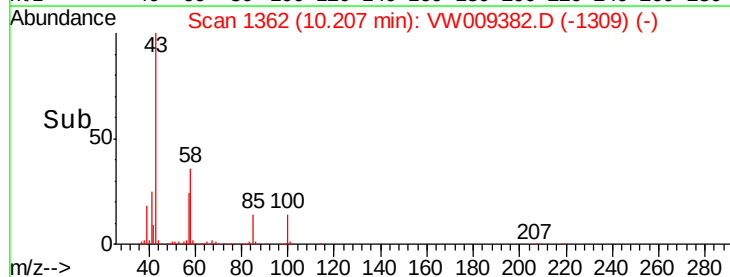
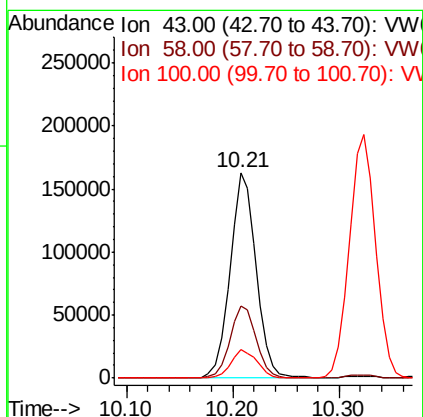
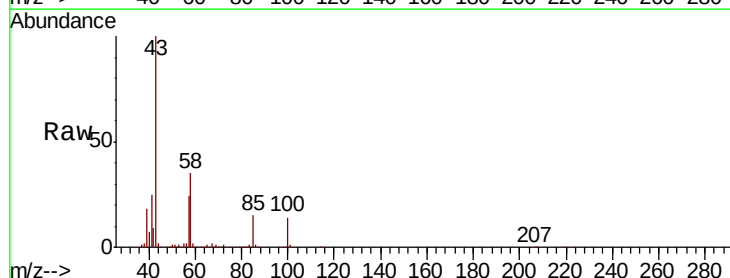
Tgt Ion: 43 Resp: 277886

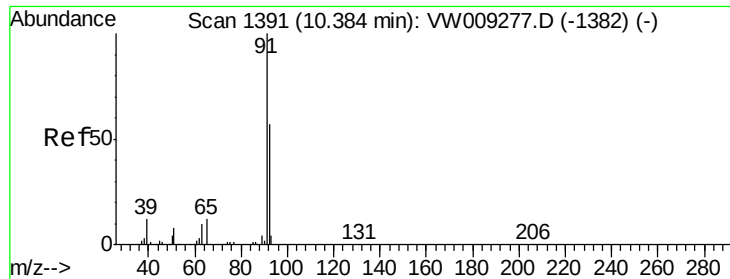
Ion Ratio Lower Upper

43 100

58 35.6 28.2 42.2

100 14.1 11.4 17.2





#44

Toluene

Concen: 26.014 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

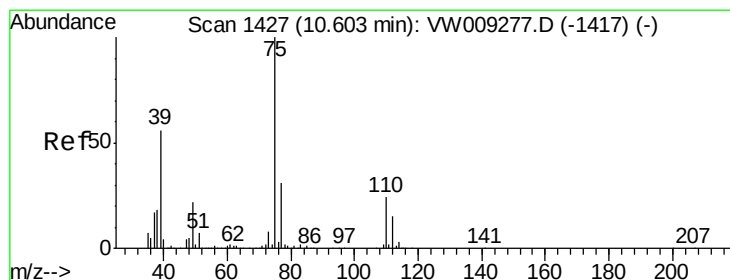
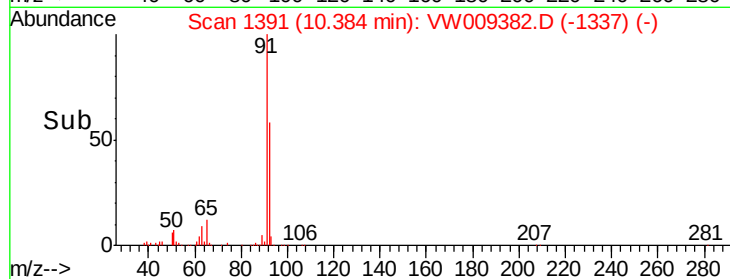
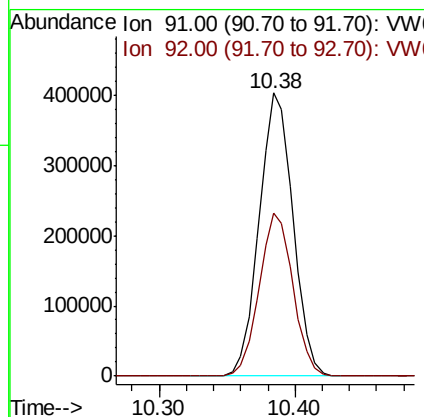
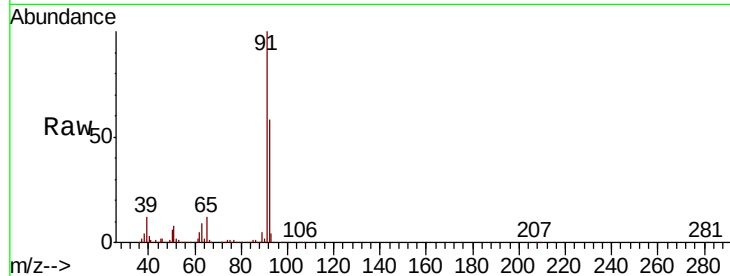
ClientSampleId :

Tot Ion: 91 Resp: 702823

Ion Ratio Lower Upper

91 100

92 57.6 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 25.557 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009382.D

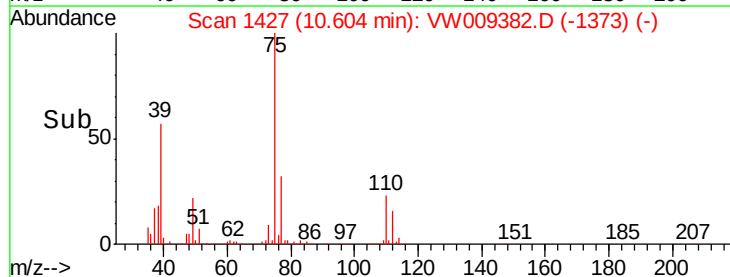
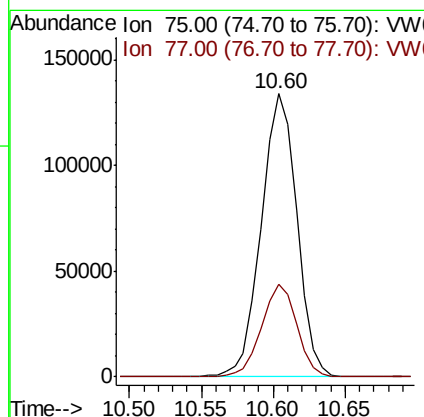
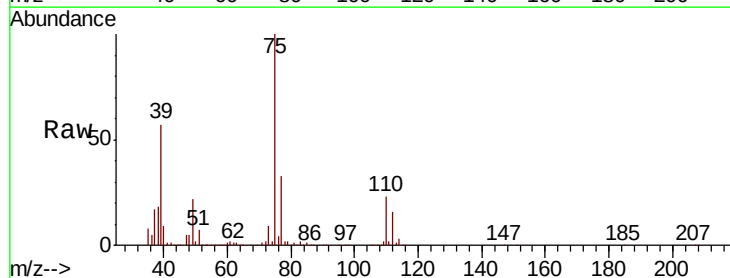
Acq: 23 Mar 2019 11:06

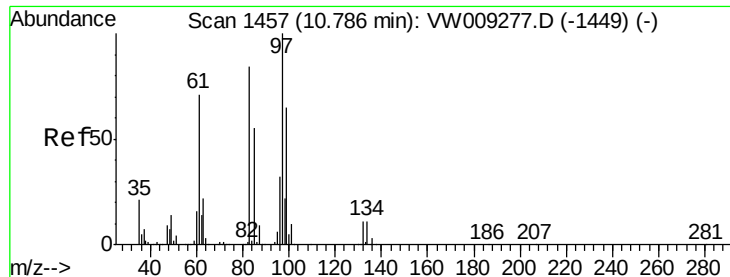
Tgt Ion: 75 Resp: 229594

Ion Ratio Lower Upper

75 100

77 32.6 22.5 41.7

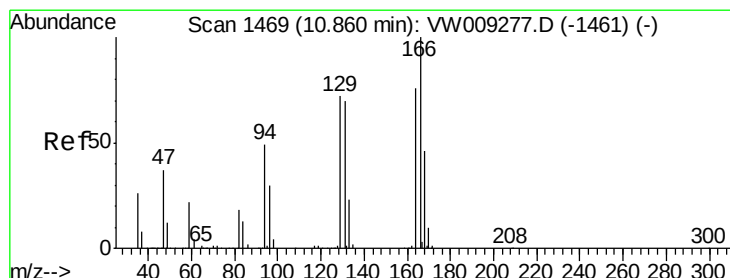
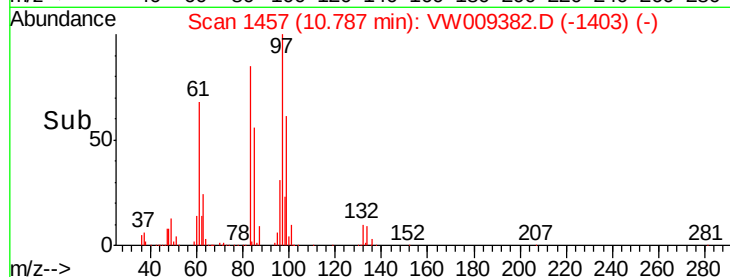
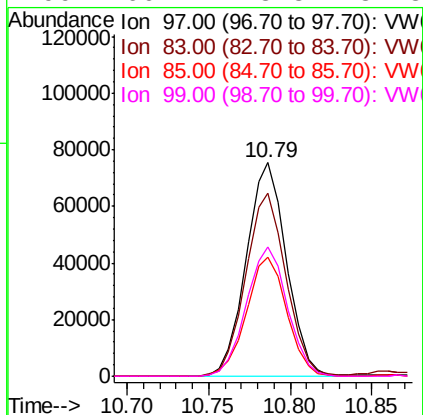
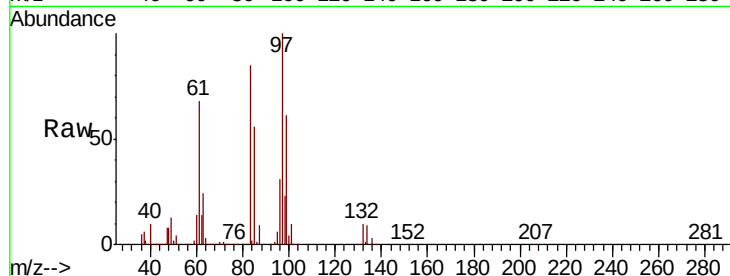




#46
1,1,2-Trichloroethane
Concen: 25.529 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

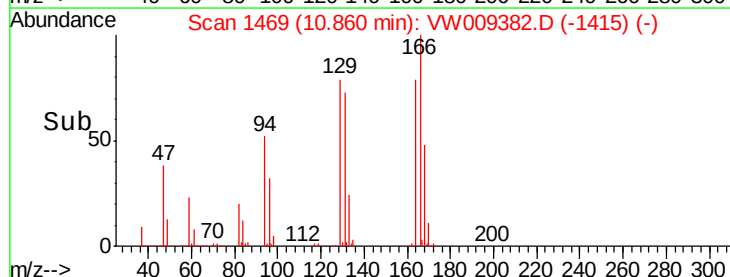
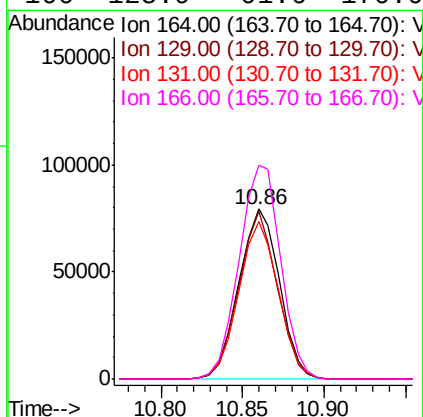
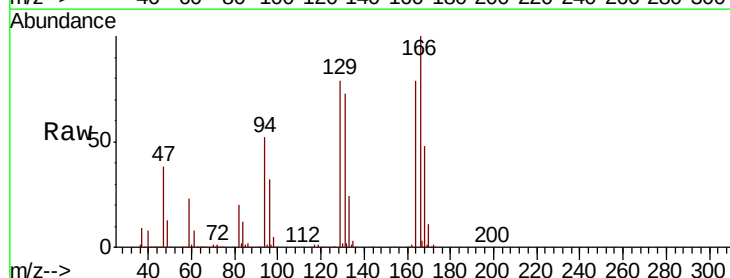
Instrument :
MSVOA_W
ClientSampled :

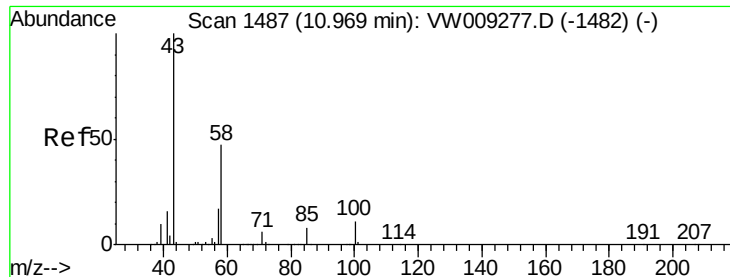
Tot Ion:	97	Resp:	129142
Ion	Ratio	Lower	Upper
97	100		
83	85.5	60.7	112.7
85	55.6	40.1	74.5
99	60.7	43.8	81.3



#47
Tetrachloroethene
Concen: 24.706 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009382.D
Acq: 23 Mar 2019 11:06

Tgt Ion:	164	Resp:	137448
Ion	Ratio	Lower	Upper
164	100		
129	99.2	66.5	123.5
131	92.4	62.6	116.3
166	125.9	91.6	170.0





#49

2-Hexanone

Concen: 51.770 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 209501

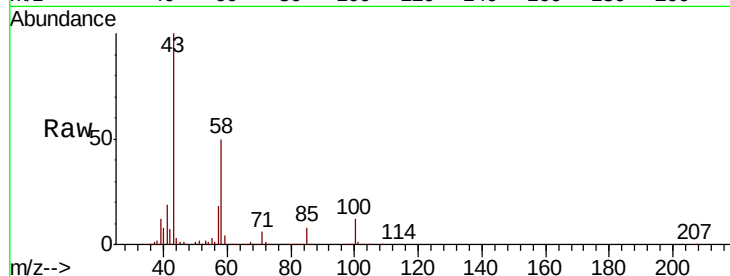
Ion Ratio Lower Upper

43 100

58 49.2 39.2 58.8

57 17.6 14.2 21.2

100 11.1 8.9 13.3



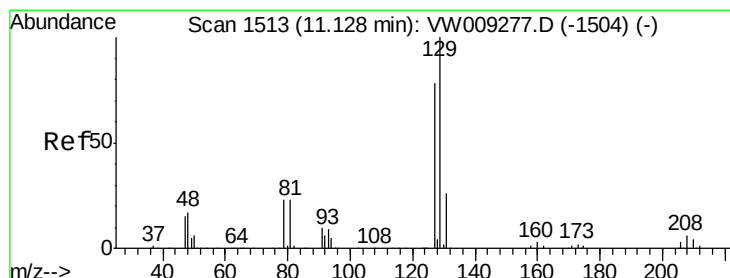
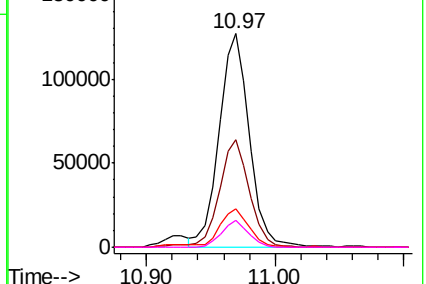
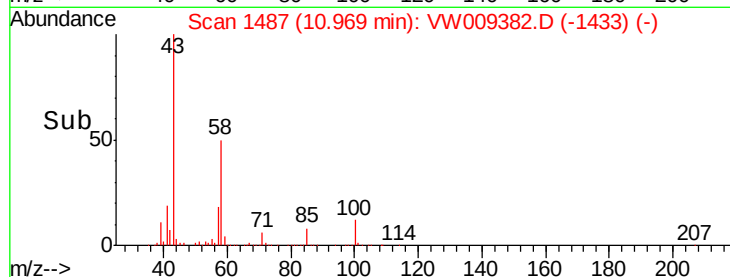
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.615 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009382.D

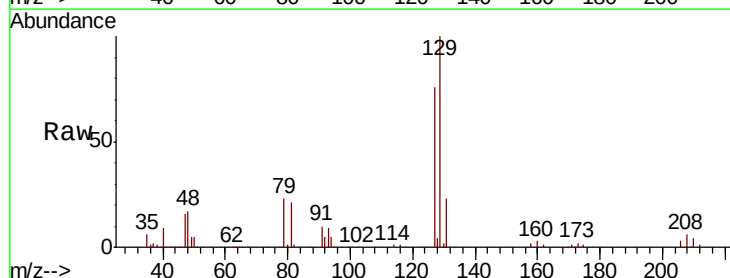
Acq: 23 Mar 2019 11:06

Tgt Ion: 129 Resp: 159957

Ion Ratio Lower Upper

129 100

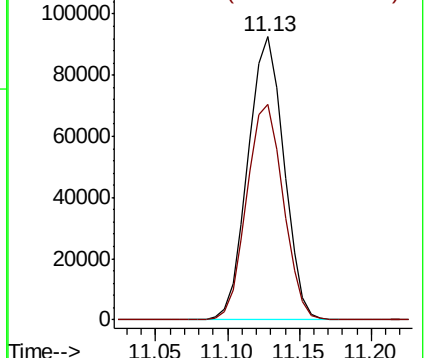
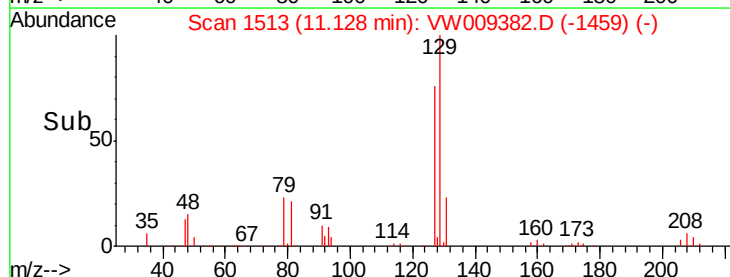
127 76.1 56.8 105.6

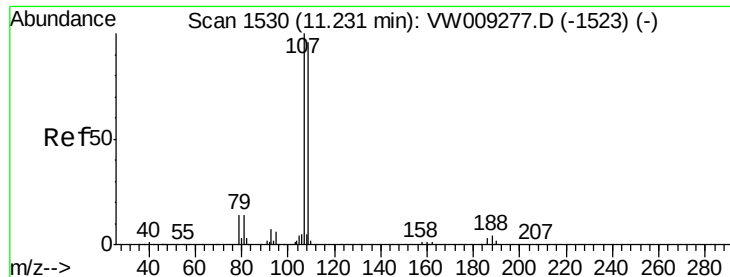


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

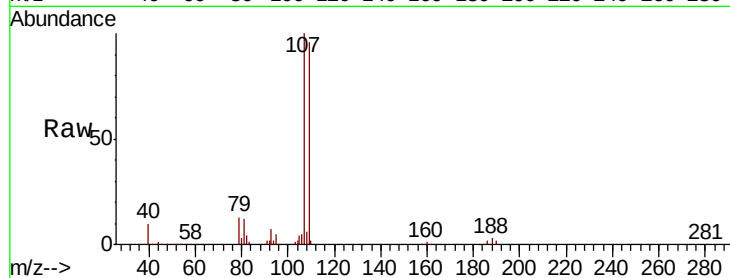




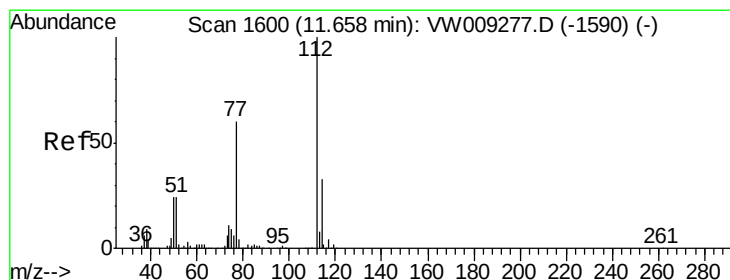
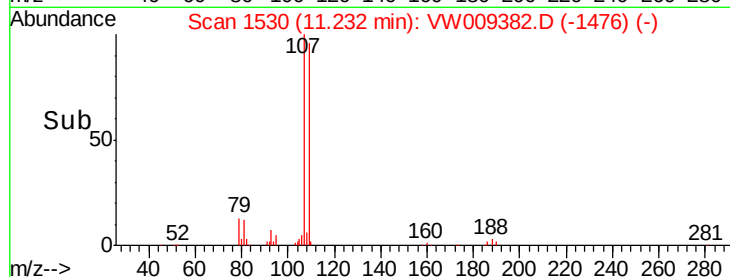
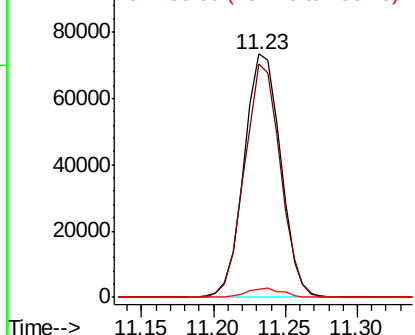
#51
 1,2-Dibromoethane
 Concen: 25.110 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	68.0	126.4
188	3.2	3.5	5.3#

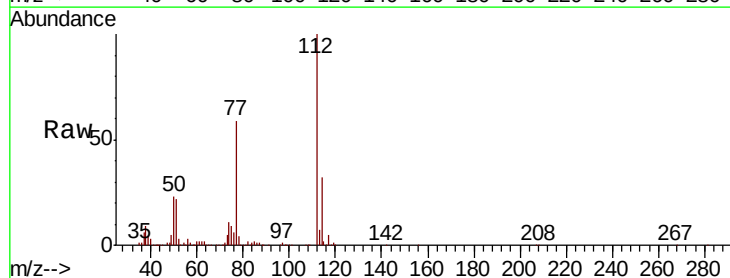


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

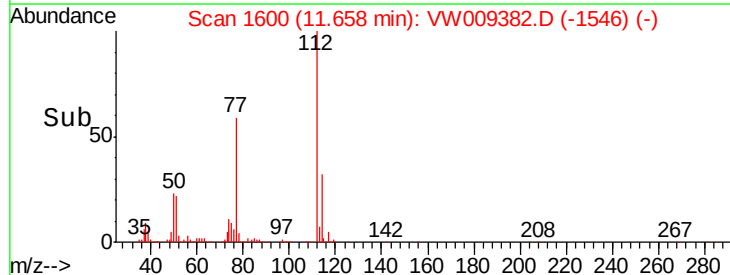
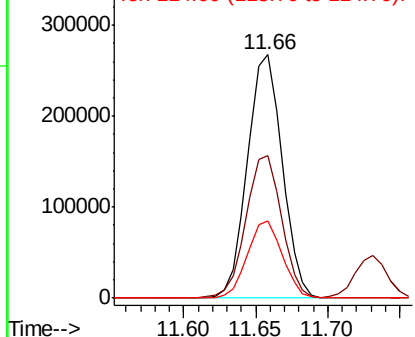


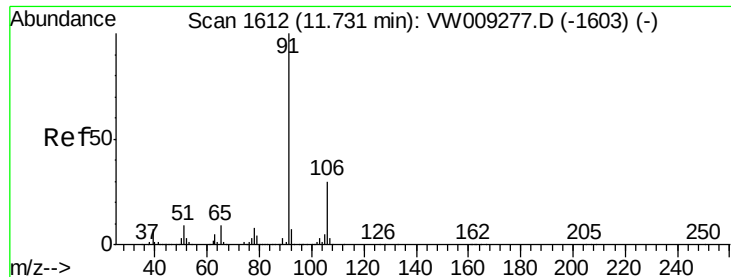
#52
 Chlorobenzene
 Concen: 25.814 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.8	45.7	68.5
114	31.7	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: 26.514 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

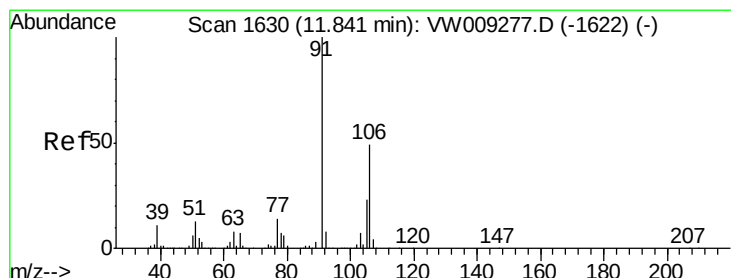
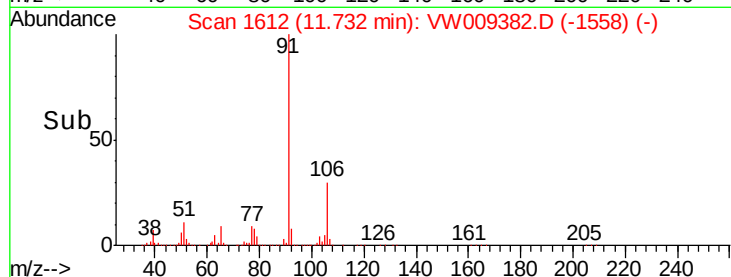
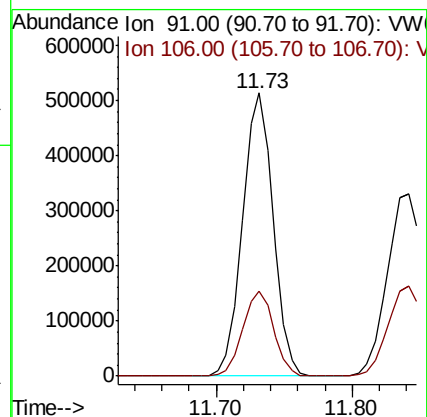
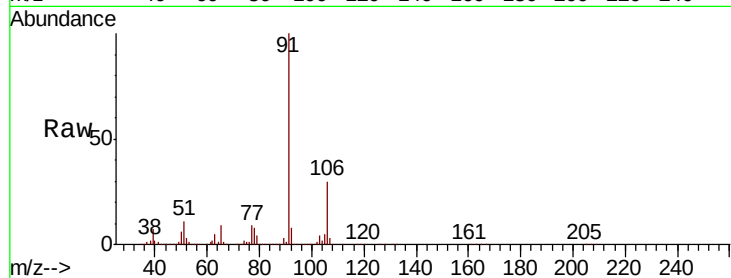
ClientSampled :

Tot Ion: 91 Resp: 805328

Ion Ratio Lower Upper

91 100

106 30.1 21.0 39.0



#54

m,p-Xylene

Concen: 26.114 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009382.D

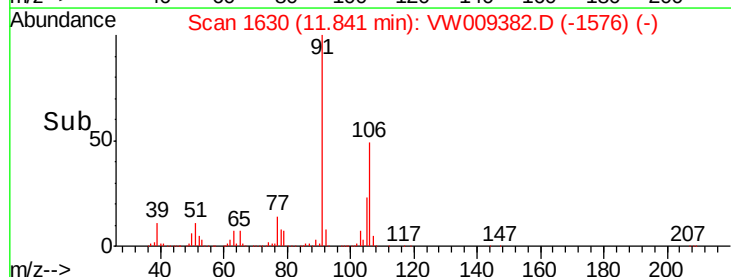
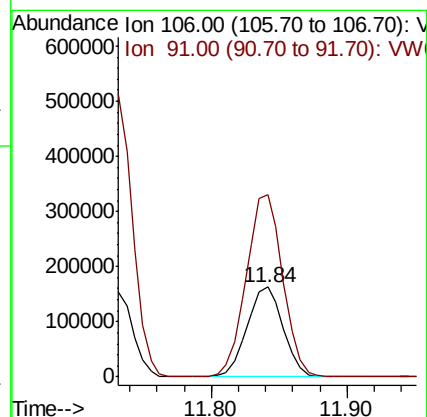
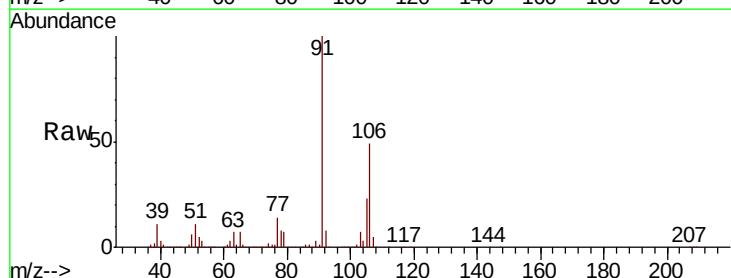
Acq: 23 Mar 2019 11:06

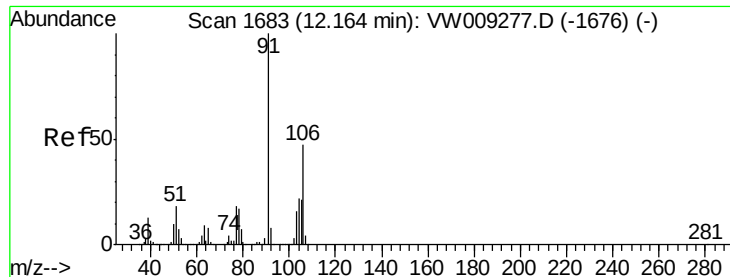
Tgt Ion: 106 Resp: 301345

Ion Ratio Lower Upper

106 100

91 203.5 138.4 257.0





#55

o-xylene

Concen: 25.914 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

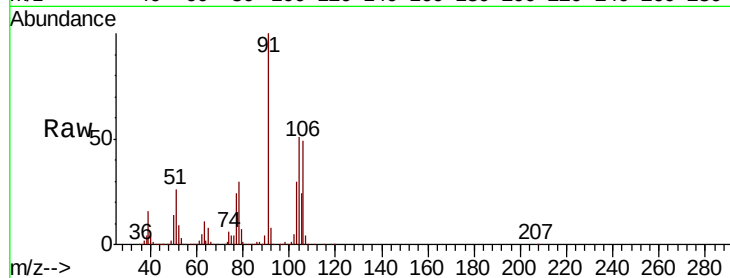
ClientSampled :

Tot Ion:106 Resp: 291739

Ion Ratio Lower Upper

106 100

91 204.8 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

400000

300000

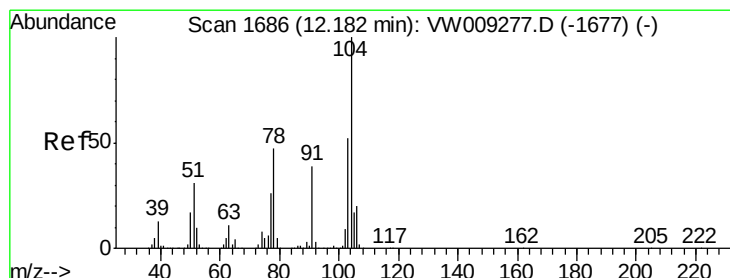
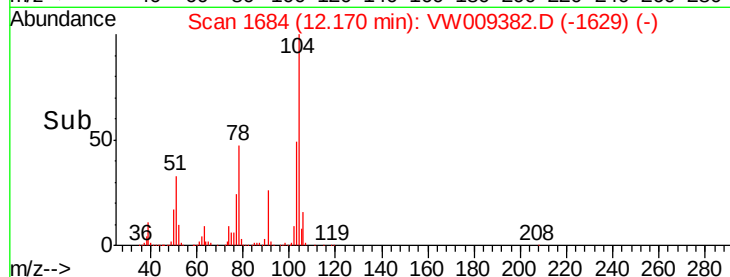
200000

100000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 26.535 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009382.D

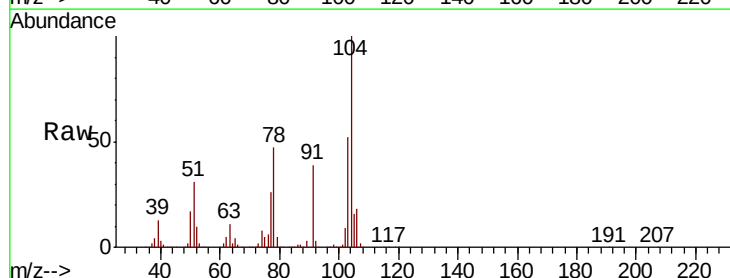
Acq: 23 Mar 2019 11:06

Tgt Ion:104 Resp: 509683

Ion Ratio Lower Upper

104 100

78 46.8 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

300000

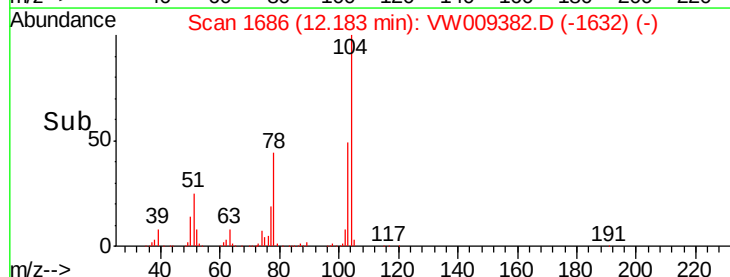
200000

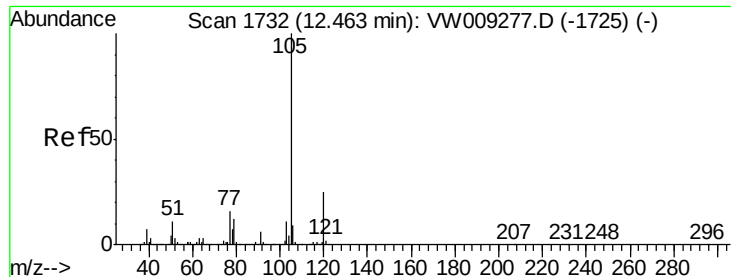
100000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 27.019 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

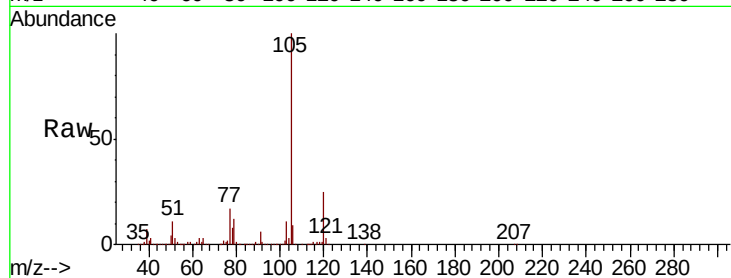
Tot Ion:105 Resp: 814824

Ion Ratio Lower Upper

105 100

120 26.0 21.3 31.9

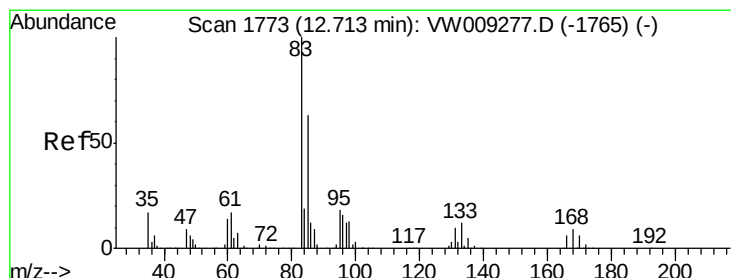
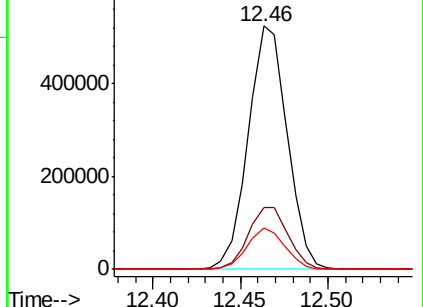
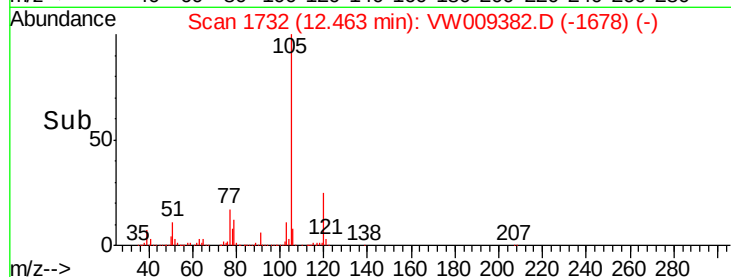
77 16.6 13.1 19.7



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: 25.763 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

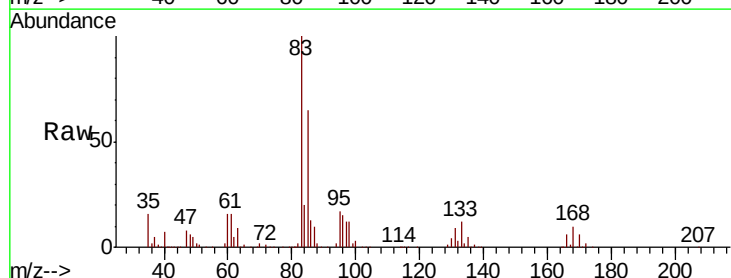
Tgt Ion: 83 Resp: 175813

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

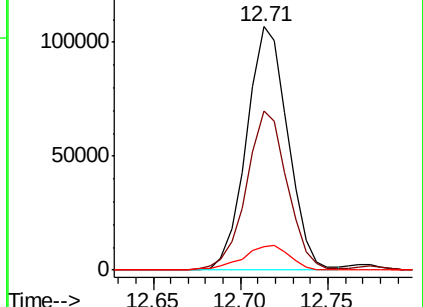
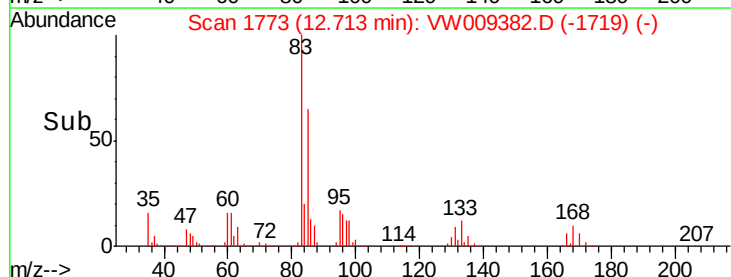
131 9.4 9.2 13.8

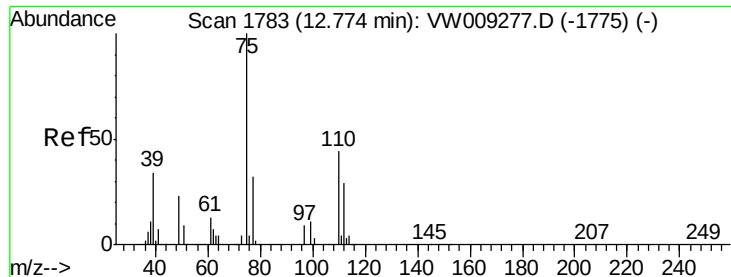


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.653 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

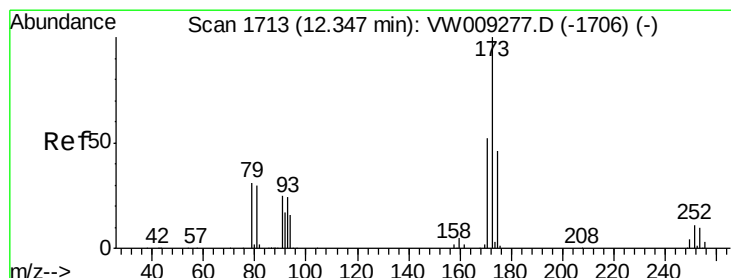
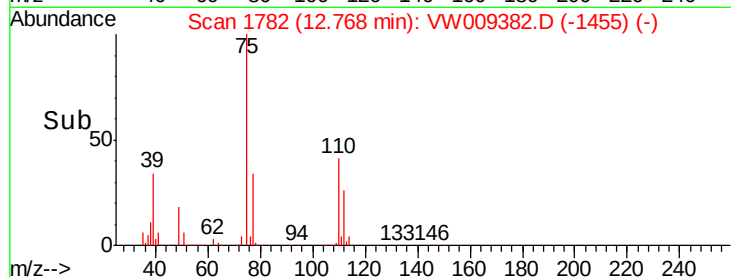
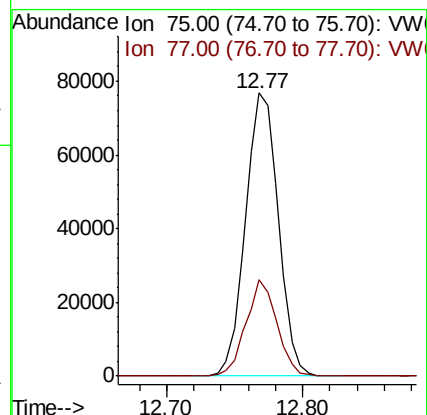
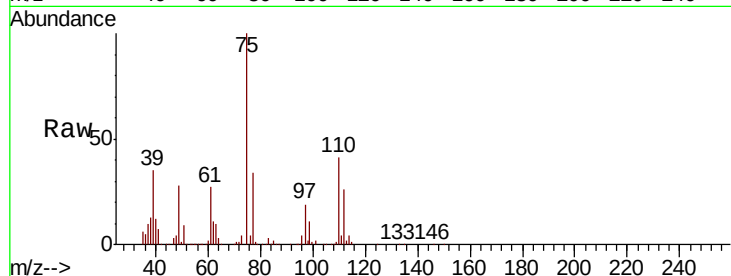
ClientSampleId :

Tot Ion: 75 Resp: 129921

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2



#62

Bromoform

Concen: 24.865 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

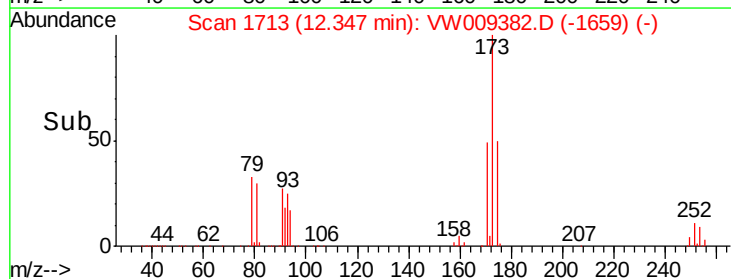
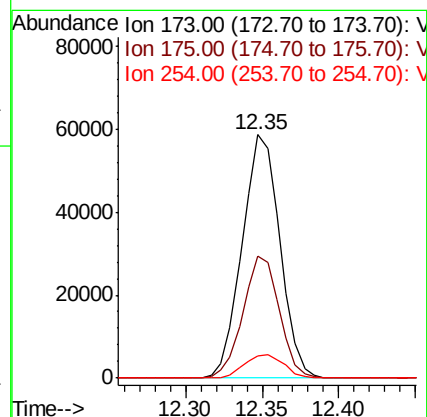
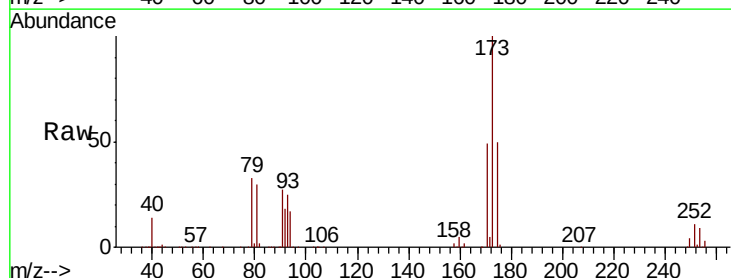
Tgt Ion: 173 Resp: 100500

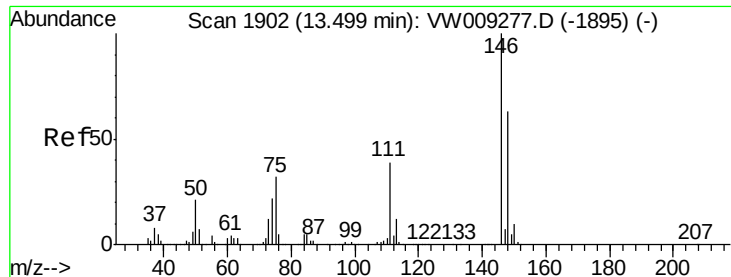
Ion Ratio Lower Upper

173 100

175 48.1 39.7 59.5

254 10.2 8.5 12.7

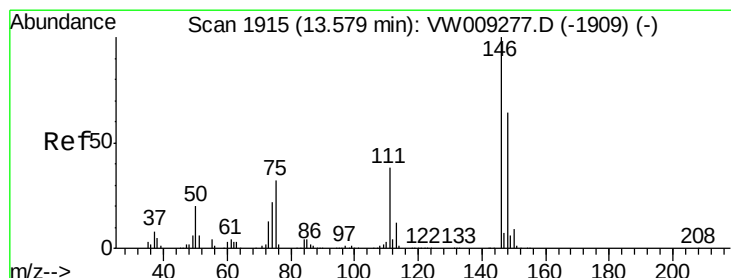
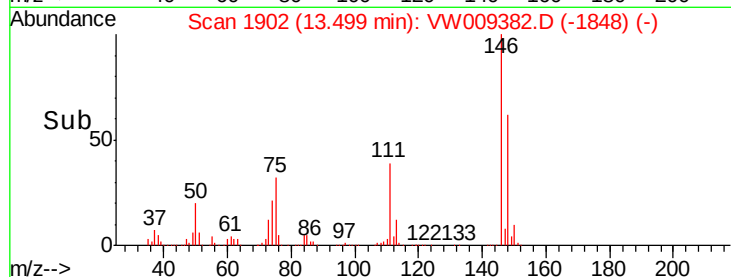
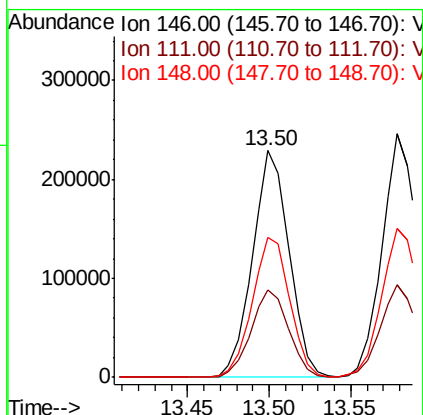
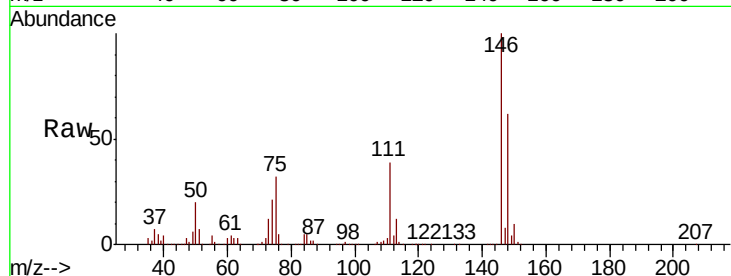




#63
 1,3-Dichlorobenzene
 Concen: 25.152 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

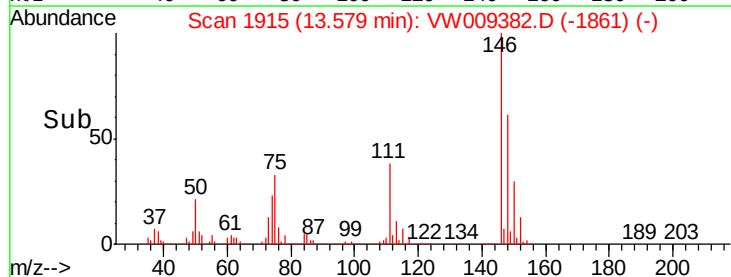
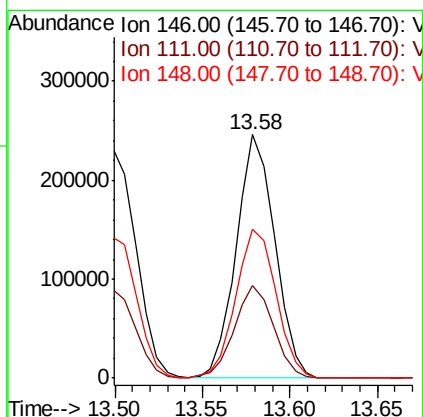
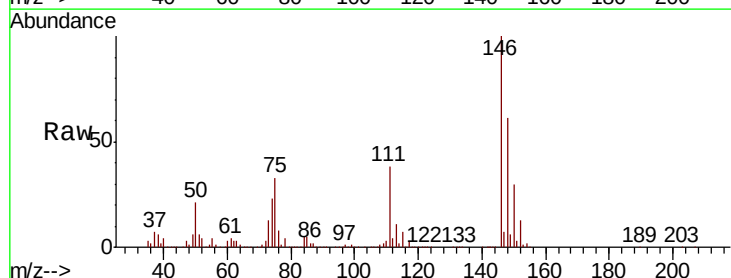
Instrument :
 MSVOA_W
 ClientSampleId :

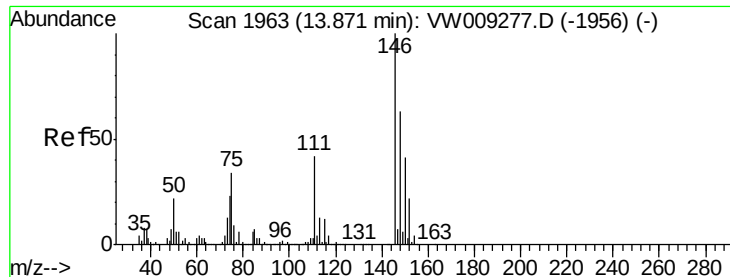
Tot Ion:146 Resp: 358584
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.9 49.9
 148 61.7 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 25.706 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

Tgt Ion:146 Resp: 378902
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.8 51.6
 148 61.4 46.3 86.1

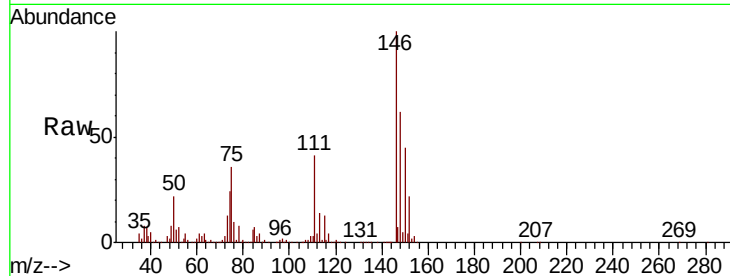




#65
 1,2-Dichlorobenzene
 Concen: 25.803 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	33.5	50.3
148	62.1	50.2	75.2

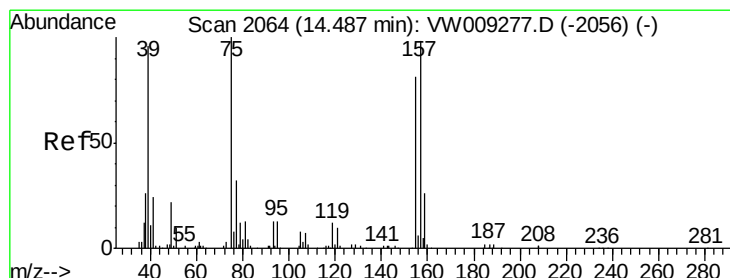
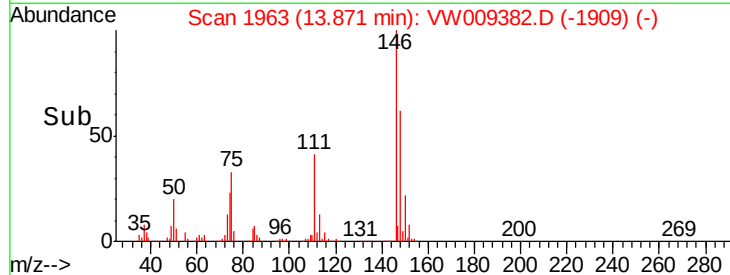
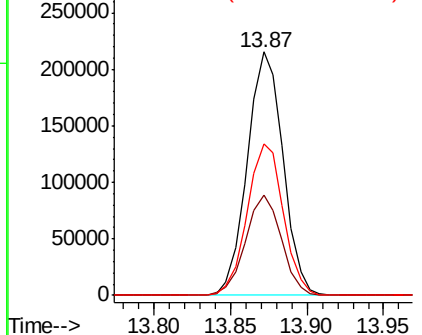


Abundance

Ion 146.00 (145.70 to 146.70): V

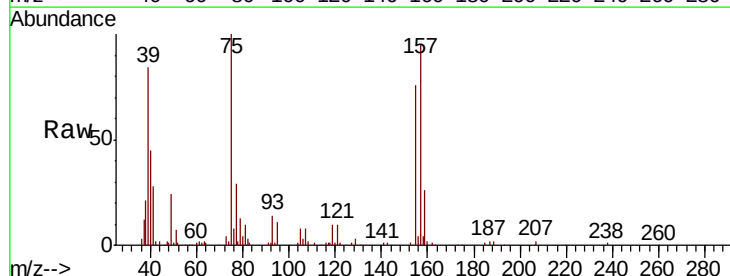
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.374 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
157	95.4	89.0	133.4
155	76.2	64.2	96.2

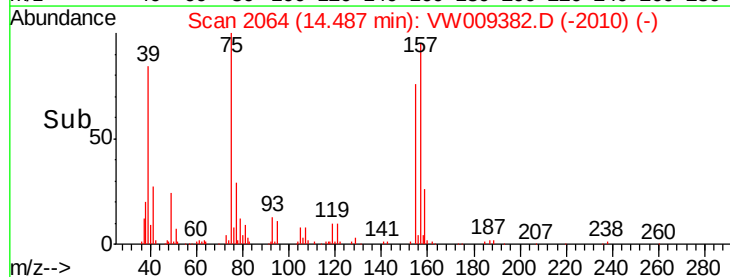
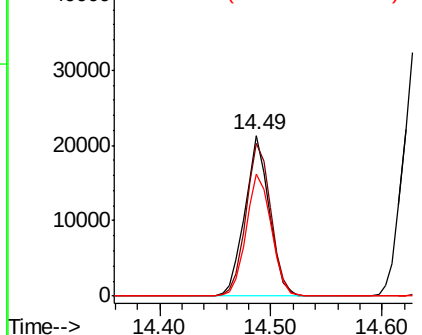


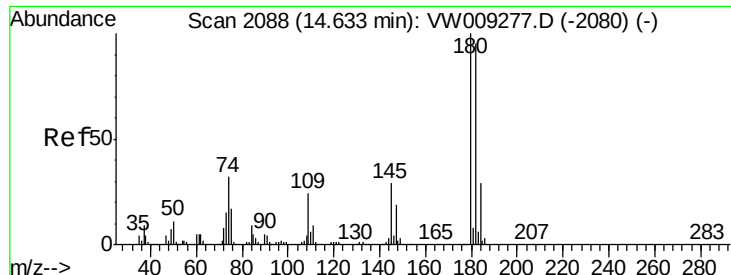
Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

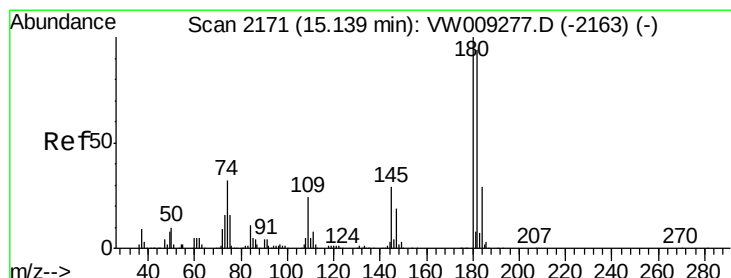
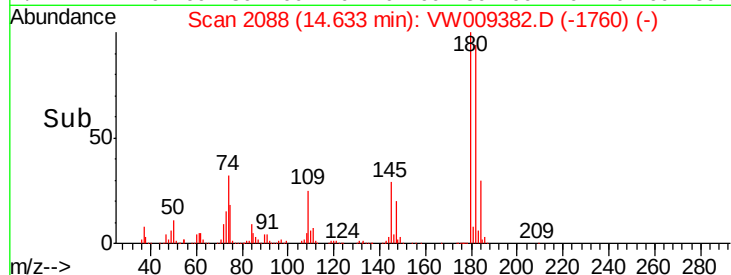
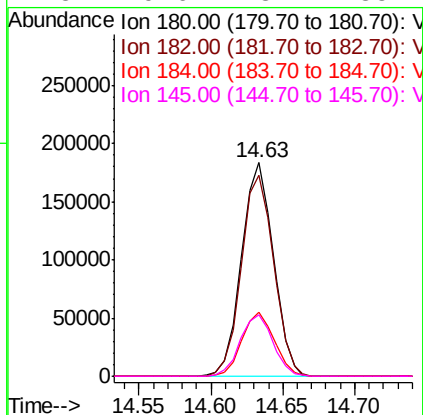
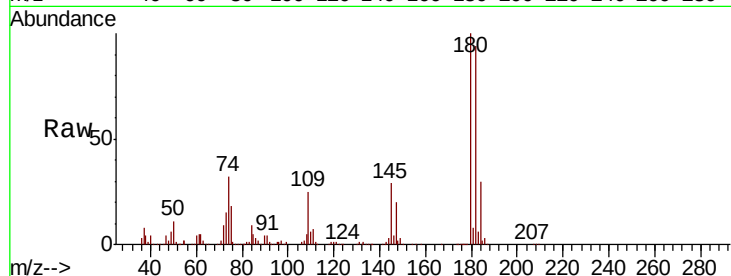




#67
 1,3,5-Trichlorobenzene
 Concen: 25.337 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

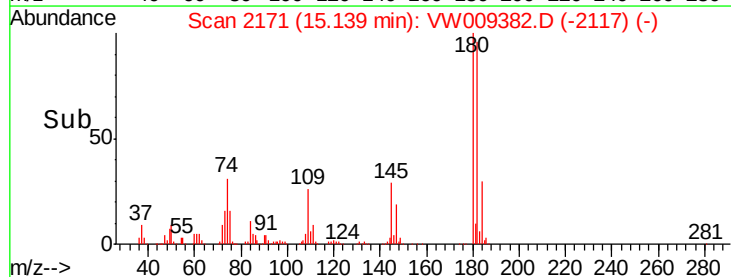
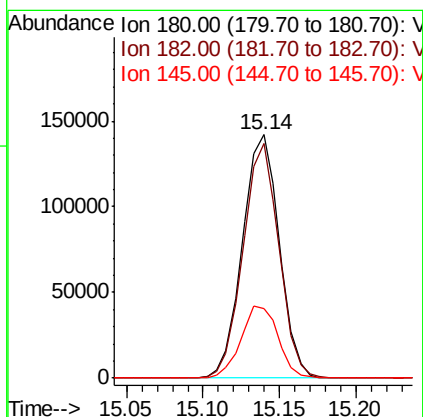
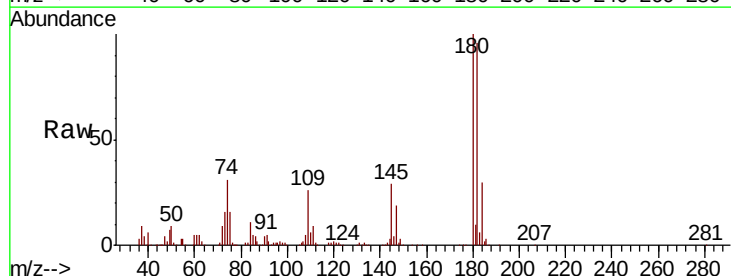
Instrument :
 MSVOA_W
 ClientSampled :

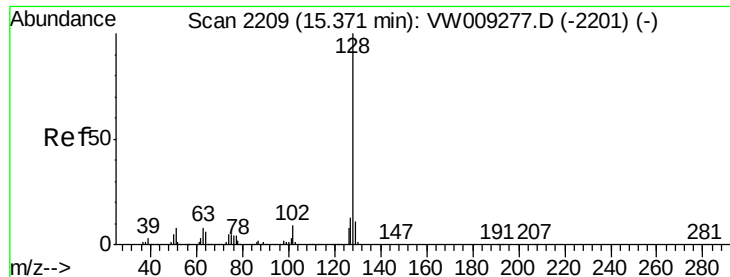
Tot Ion:180	Resp:	281755
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.1 114.1
184	30.4	23.8 35.6
145	29.6	23.4 35.2



#68
 1,2,4-trichlorobenzene
 Concen: 25.399 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009382.D
 Acq: 23 Mar 2019 11:06

Tgt Ion:180	Resp:	237248
Ion Ratio	Lower	Upper
180	100	
182	94.1	75.5 113.3
145	30.0	24.1 36.1





#69

Naphthalene

Concen: 25.469 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

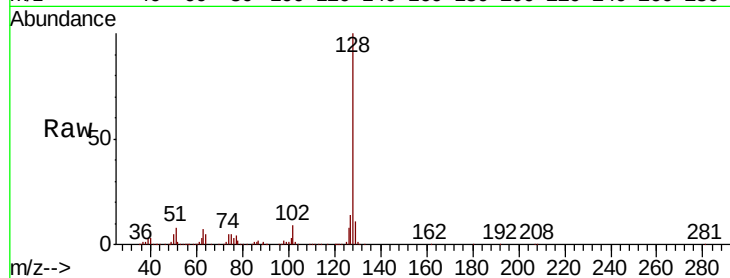
Tot Ion:128 Resp: 493224

Ion Ratio Lower Upper

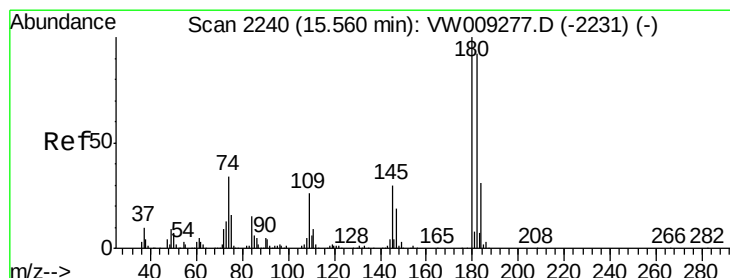
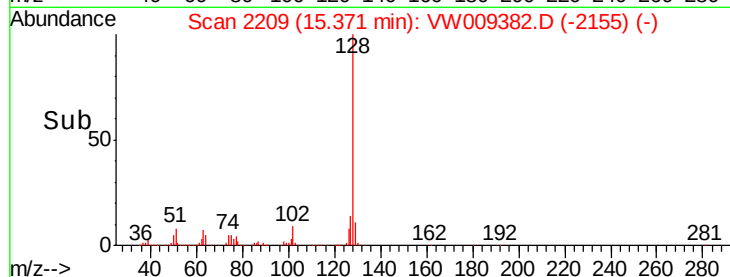
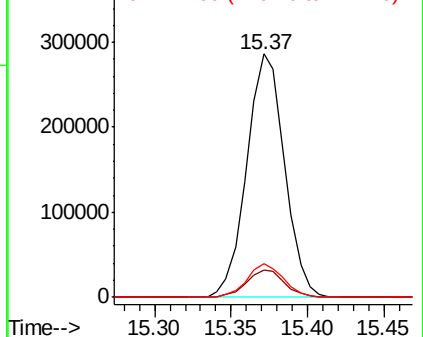
128 100

129 11.4 8.7 13.1

127 13.4 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: 25.487 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009382.D

Acq: 23 Mar 2019 11:06

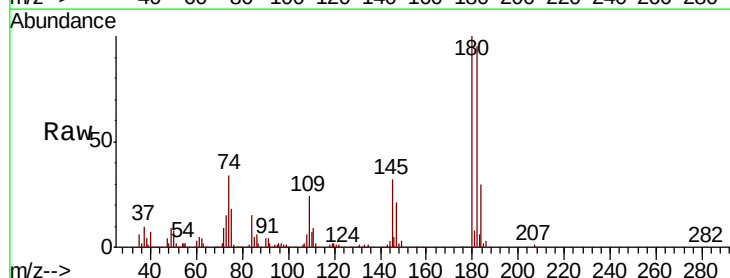
Tgt Ion:180 Resp: 222978

Ion Ratio Lower Upper

180 100

182 95.1 77.2 115.8

145 32.1 25.8 38.6



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

