

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073118\
 Data File : VW004366.D
 Acq On : 31 Jul 2018 19:47
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Quant Time: Aug 01 04:40:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 31 20:28:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	319785	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	300030	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	156400	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	59141	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.96%
7) Chloroethane-d5	2.89	69	59940	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.40%
10) 1,1-Dichloroethene-d2	4.02	63	188940	26.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.04%
20) 2-Butanone-d5	7.09	46	93537	60.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.10%
24) Chloroform-d	7.65	84	202356	25.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	8.31	65	115965	26.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.76%
29) Benzene-d6	8.27	84	399898	25.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.24%
33) 1,2-Dichloropropane-d6	9.28	67	124890	26.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.08%
37) Toluene-d8	10.33	98	381049	25.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.96%
38) trans-1,3-Dichloropropene-	10.58	79	61076	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.32%
39) 2-Hexanone-d5	10.93	63	75081	60.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	139282	27.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	154110	25.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	81677	27.971	ug/L	99
3) Chloromethane	2.22	50	62779	22.656	ug/L	93
5) Vinyl chloride	2.37	62	82565	24.136	ug/L	99
6) Bromomethane	2.78	94	58683	23.953	ug/L	100
8) Chloroethane	2.93	64	62432	25.955	ug/L	93
9) Trichlorofluoromethane	3.26	101	63017	21.973	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	109249	25.841	ug/L	95
12) 1,1-Dichloroethene	4.04	96	104919	26.427	ug/L	89
13) Acetone	4.13	43	73824	54.619	ug/L	100
14) Carbon disulfide	4.38	76	316390	26.943	ug/L	99
15) Methyl Acetate	4.67	43	77891	28.904	ug/L #	80
16) Methylene chloride	4.92	84	110873	21.936	ug/L	92
17) Methyl tert-butyl Ether	5.43	73	157692	25.289	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	107981	25.059	ug/L	93
19) 1,1-Dichloroethane	6.21	63	194655	25.983	ug/L	96
21) 2-Butanone	7.18	43	104473	56.715	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	119497	25.160	ug/L	96

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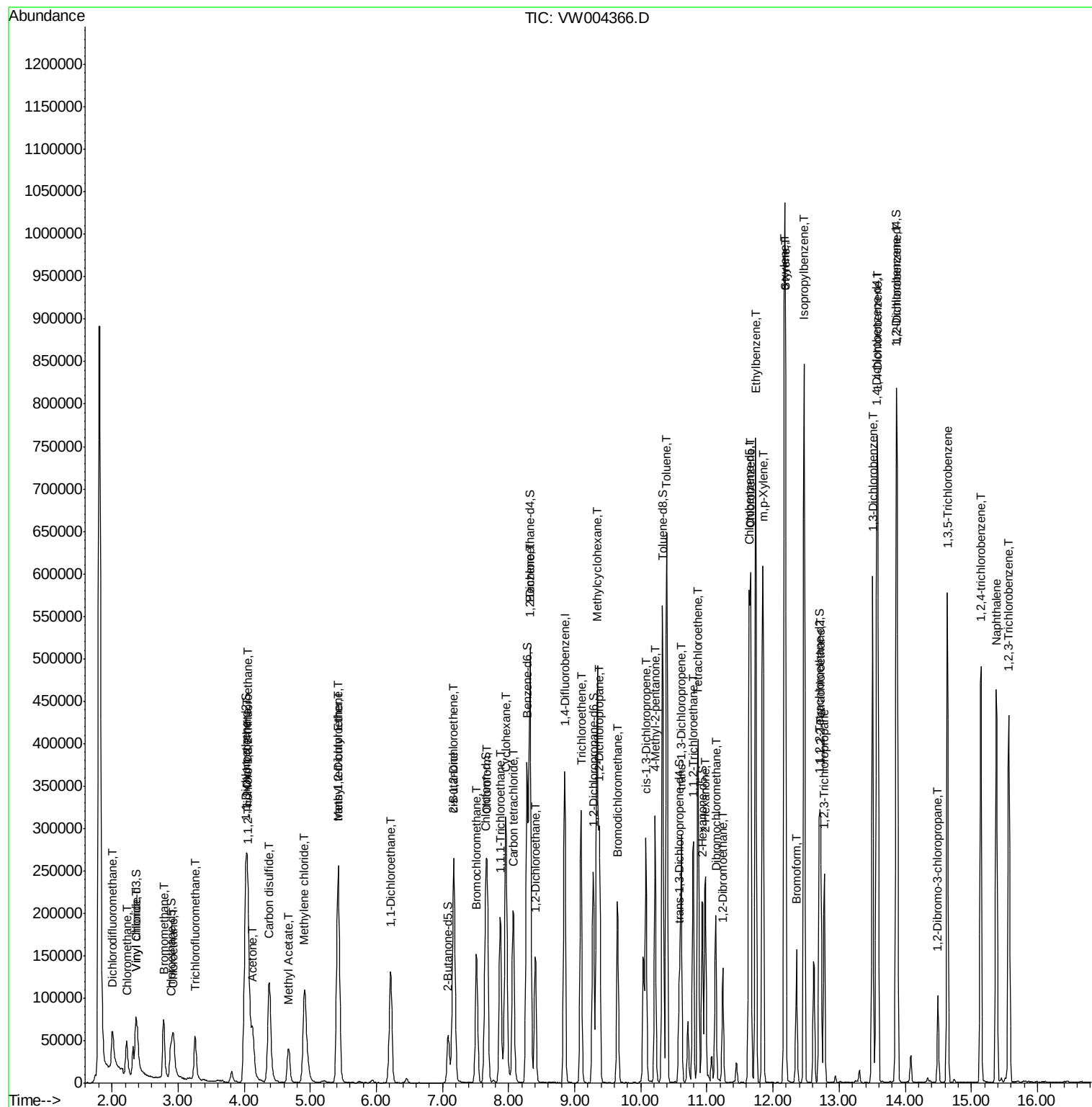
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	55354	24.815	ug/L	90
25) Chloroform	7.68	83	199737	25.341	ug/L	99
27) 1,2-Dichloroethane	8.40	62	136325	25.606	ug/L	100
30) Cyclohexane	7.96	56	184500	26.039	ug/L	94
31) 1,1,1-Trichloroethane	7.87	97	163413	24.856	ug/L	98
32) Carbon tetrachloride	8.07	117	162983	25.454	ug/L	100
34) Benzene	8.32	78	444070	25.532	ug/L	100
35) Trichloroethene	9.09	95	116395	25.000	ug/L	99
36) Methylcyclohexane	9.34	83	209288	25.201	ug/L	97
40) 1,2-Dichloropropane	9.37	63	112948	25.888	ug/L	100
41) Bromodichloromethane	9.65	83	141641	25.092	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	172490	25.205	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	206374	58.428	ug/L	97
44) Toluene	10.39	91	477018	25.504	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	157884	25.697	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	92758	25.782	ug/L	97
47) Tetrachloroethene	10.87	164	96896	24.238	ug/L	97
49) 2-Hexanone	10.98	43	155434	59.209	ug/L	97
50) Dibromochloromethane	11.13	129	108955	24.858	ug/L	96
51) 1,2-Dibromoethane	11.24	107	93913	26.337	ug/L	98
52) Chlorobenzene	11.66	112	304100	24.426	ug/L	95
53) Ethylbenzene	11.74	91	530413	25.068	ug/L	95
54) m,p-Xylene	11.85	106	201184	25.136	ug/L	95
55) o-xylene	12.17	106	195923	25.917	ug/L	96
56) Styrene	12.19	104	336006	25.677	ug/L	99
57) Isopropylbenzene	12.47	105	542515	25.596	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	134957	27.321	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	103627	27.248	ug/L	98
62) Bromoform	12.35	173	76804	26.325	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	247308	24.515	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	251839	24.264	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	234955	24.636	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	25596	27.238	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	193238	24.161	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	160817	23.676	ug/L	96
69) Naphthalene	15.38	128	401377	26.148	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	158556	25.228	ug/L	98

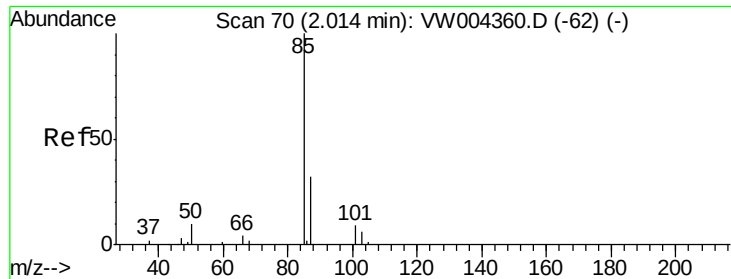
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.971 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.01 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

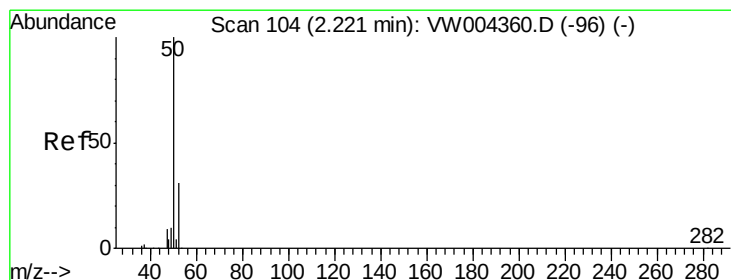
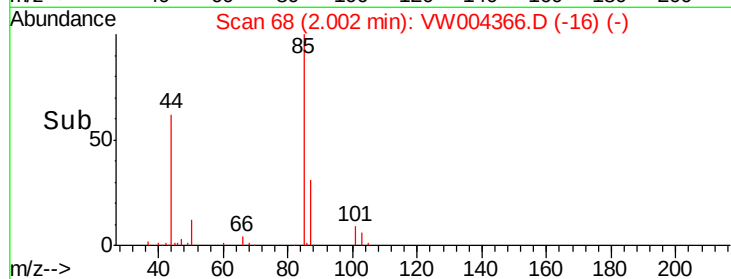
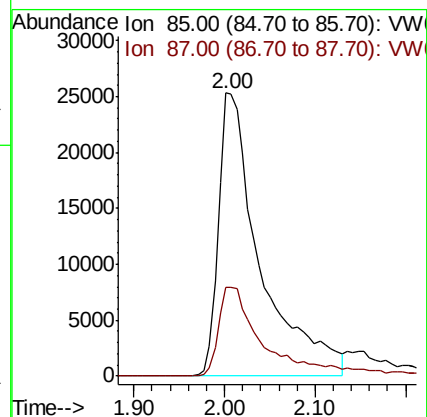
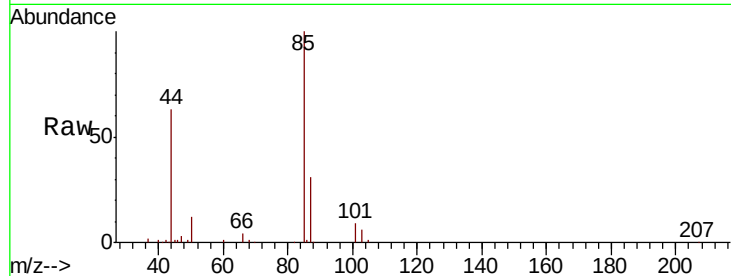
VSTD02584

Tot Ion: 85 Resp: 81677

Ion Ratio Lower Upper

85 100

87 31.2 22.1 41.1



#3

Chloromethane

Concen: 22.656 ug/L

RT: 2.22 min Scan# 104

Delta R.T. -0.00 min

Lab File: VW004366.D

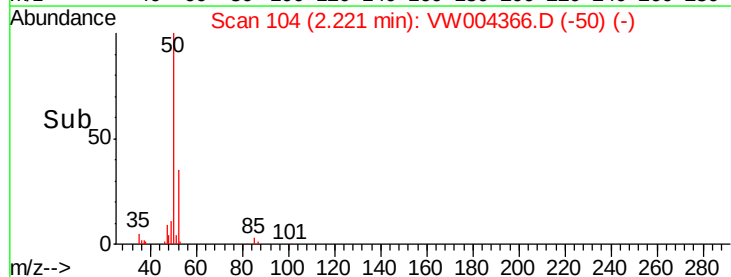
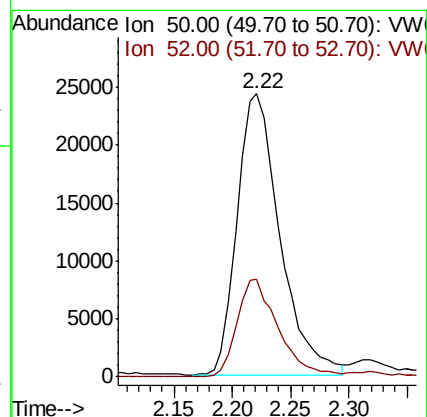
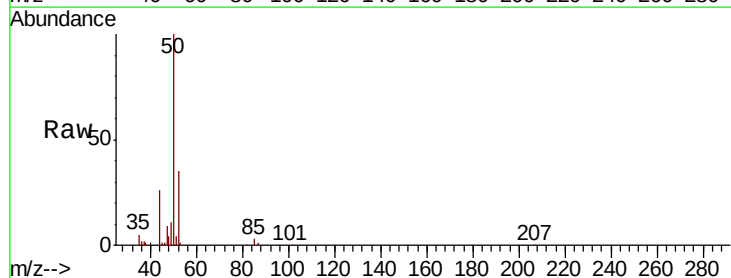
Acq: 31 Jul 2018 19:47

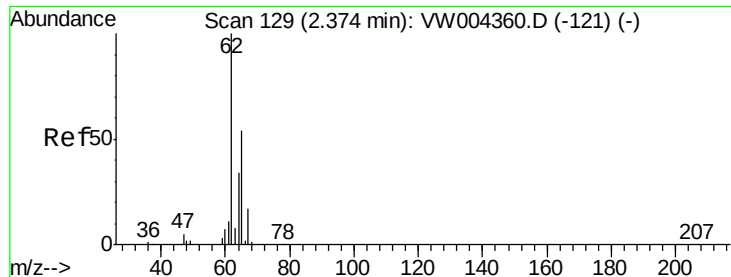
Tgt Ion: 50 Resp: 62779

Ion Ratio Lower Upper

50 100

52 34.7 21.6 40.0





#5

Vinyl chloride

Concen: 24.136 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampled :

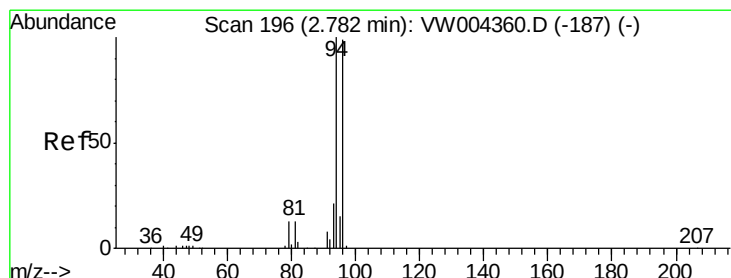
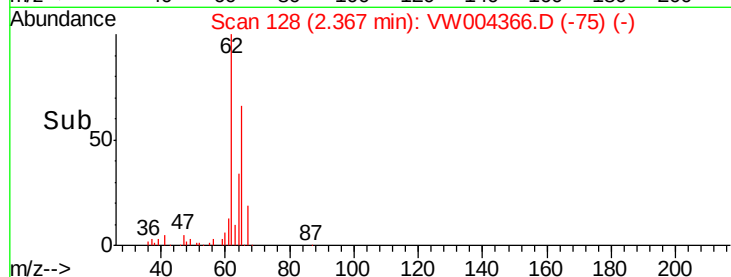
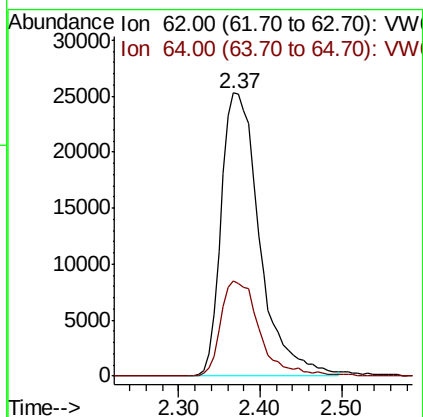
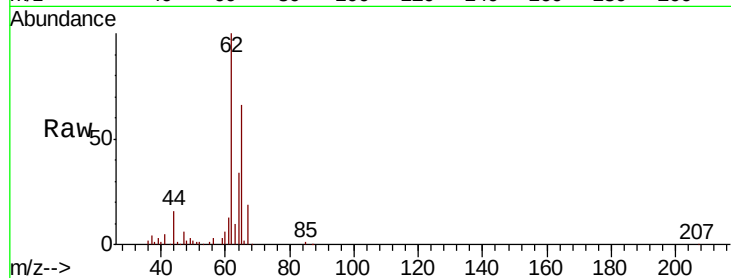
VSTD02584

Tot Ion: 62 Resp: 82565

Ion Ratio Lower Upper

62 100

64 33.6 23.9 44.5



#6

Bromomethane

Concen: 23.953 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004366.D

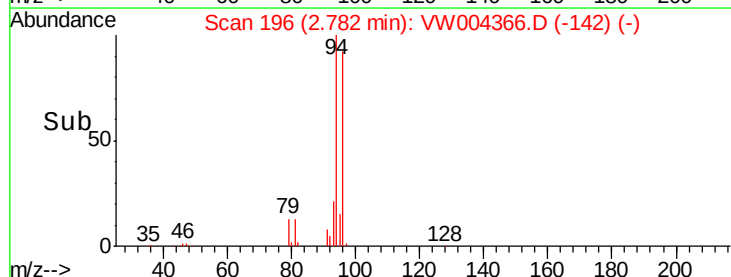
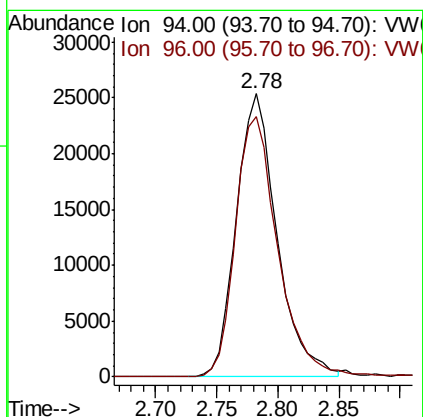
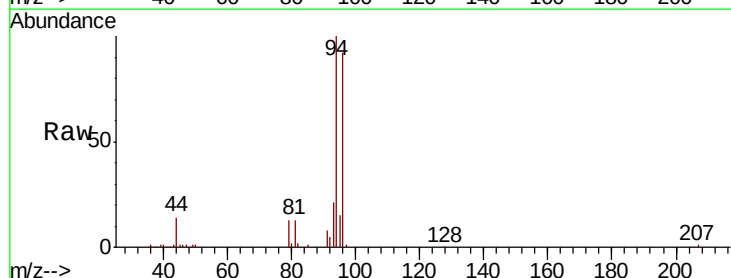
Acq: 31 Jul 2018 19:47

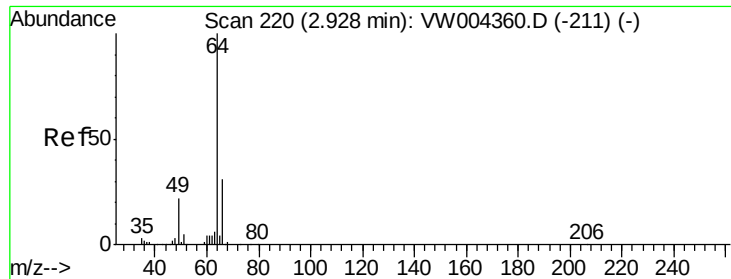
Tgt Ion: 94 Resp: 58683

Ion Ratio Lower Upper

94 100

96 95.3 9.5 181.1





#8

Chloroethane

Concen: 25.955 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

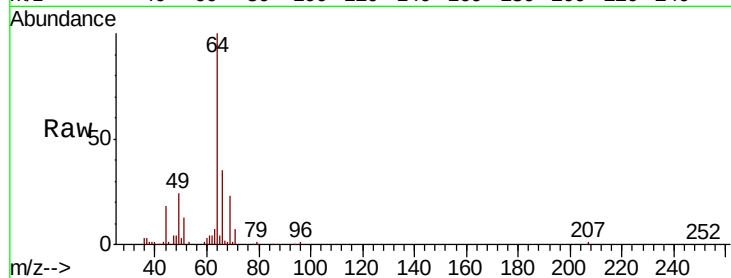
VSTD02584

Tot Ion: 64 Resp: 62432

Ion Ratio Lower Upper

64 100

66 34.8 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

20000

15000

10000

5000

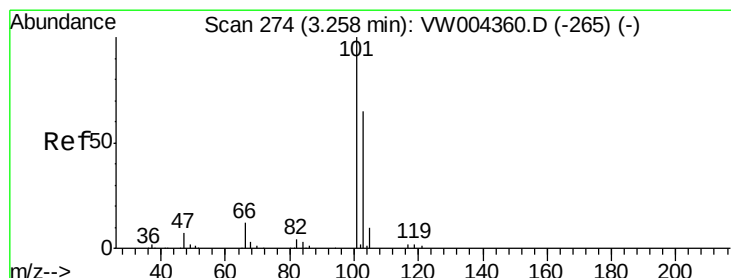
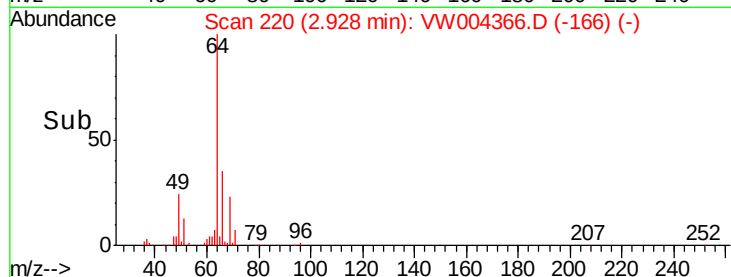
0

Time-->

2.80

2.90

3.00



#9

Trichlorofluoromethane

Concen: 21.973 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004366.D

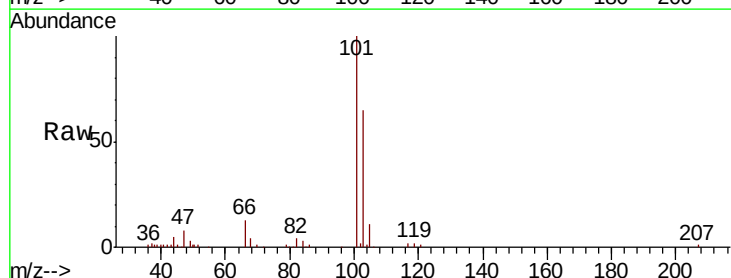
Acq: 31 Jul 2018 19:47

Tgt Ion: 101 Resp: 63017

Ion Ratio Lower Upper

101 100

103 64.8 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.26

25000

20000

15000

10000

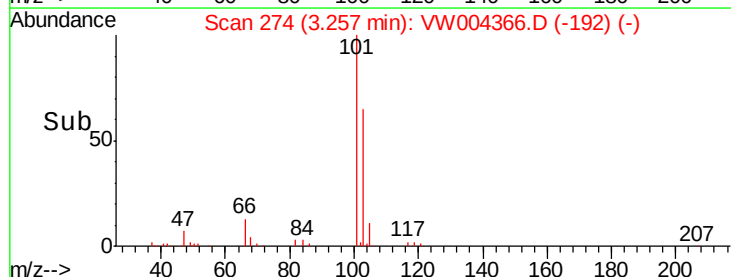
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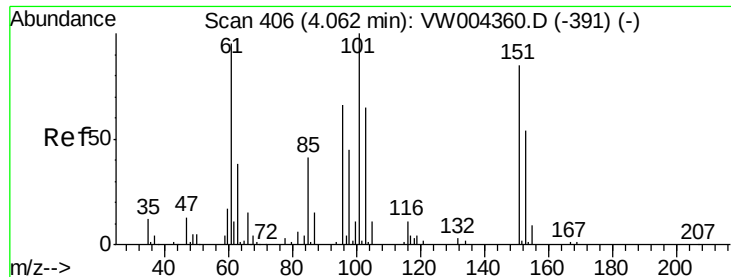
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Time-->

3.20

3.30





#11

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

Concen: 25.841 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW004366.D

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Instrument :

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ClientSampleId :

VSTD02584

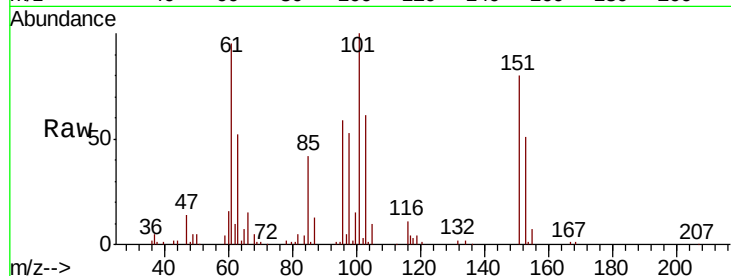
Tot Ion:101 Resp: 109249

Ion Ratio Lower Upper

101 100

85 42.3 32.4 48.6

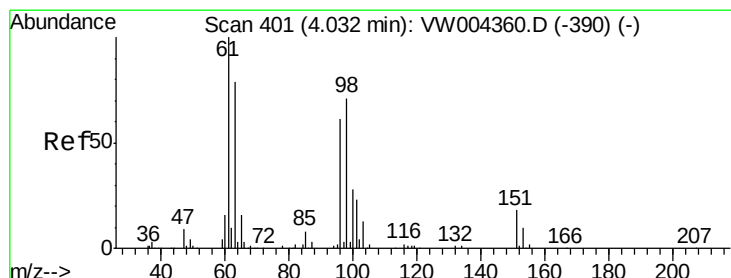
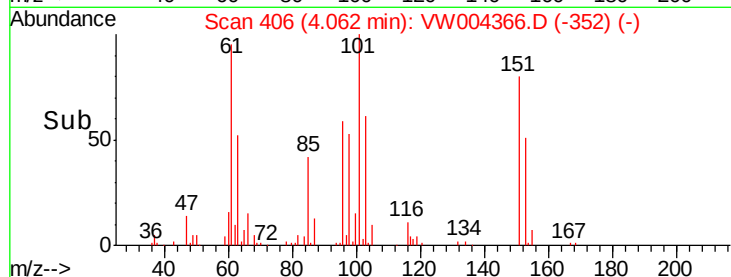
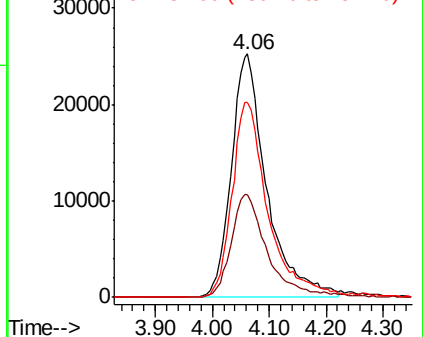
151 81.5 69.2 103.8



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: 26.427 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

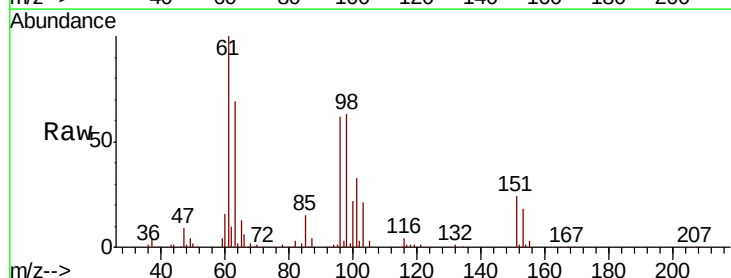
Tgt Ion: 96 Resp: 104919

Ion Ratio Lower Upper

96 100

61 160.3 115.4 214.4

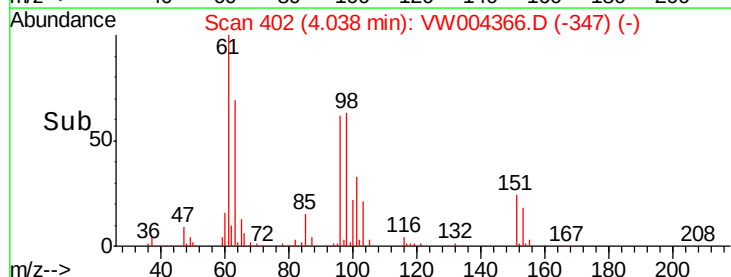
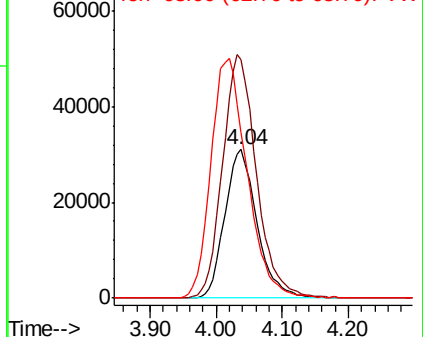
63 111.1 94.4 175.2

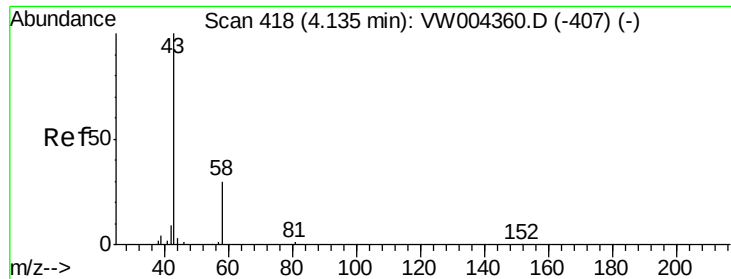


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.619 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

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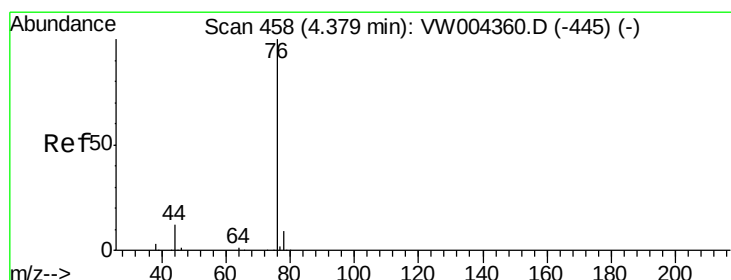
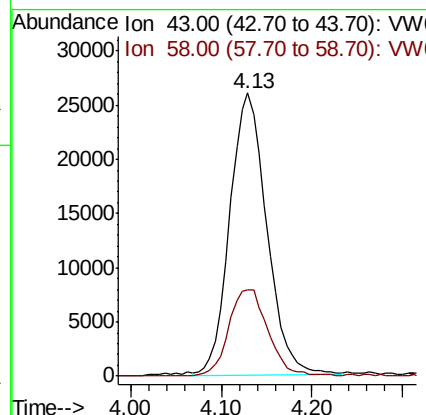
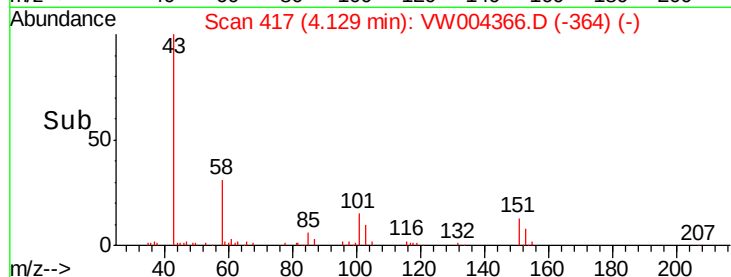
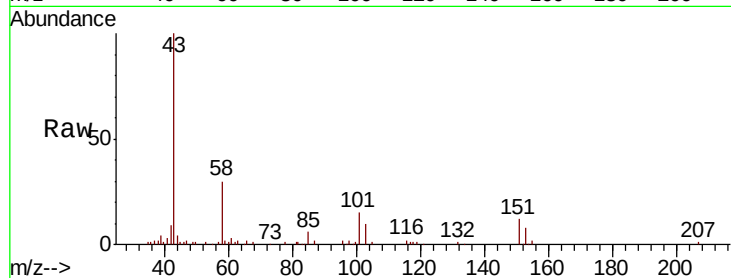
VSTD02584

Tot Ion: 43 Resp: 73824

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.8



#14

Carbon disulfide

Concen: 26.943 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.00 min

Lab File: VW004366.D

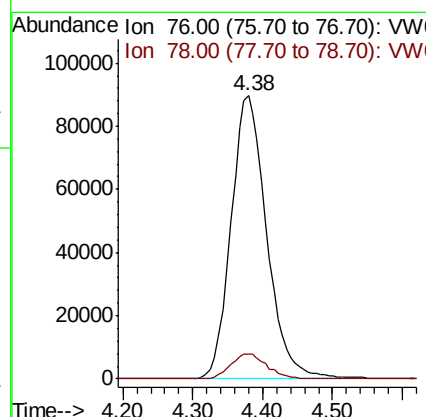
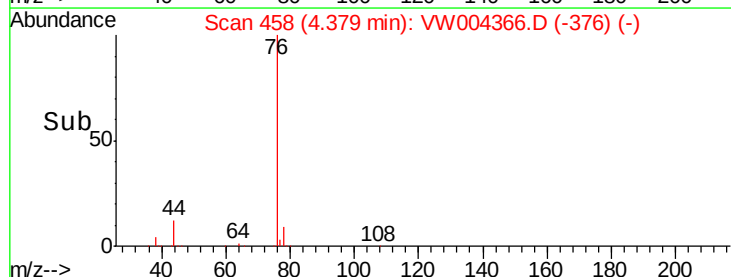
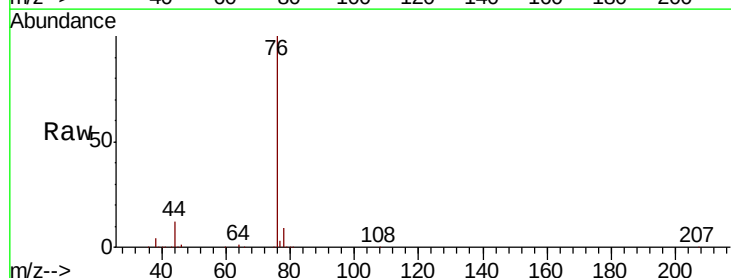
Acq: 31 Jul 2018 19:47

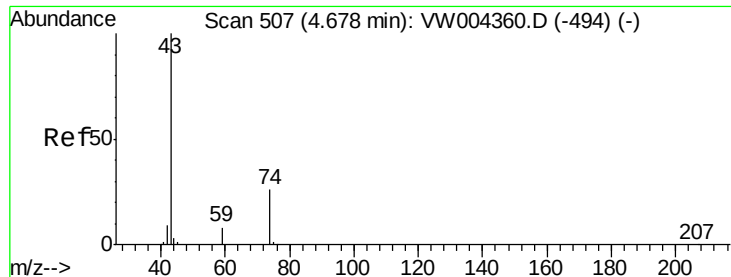
Tgt Ion: 76 Resp: 316390

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

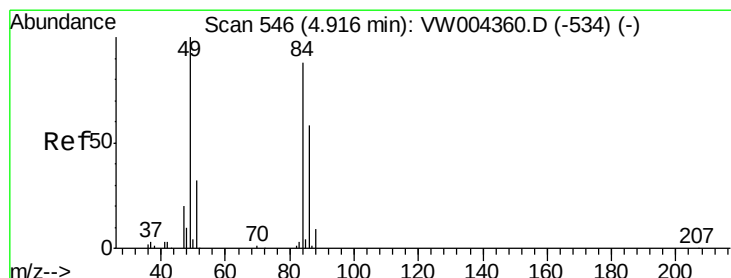
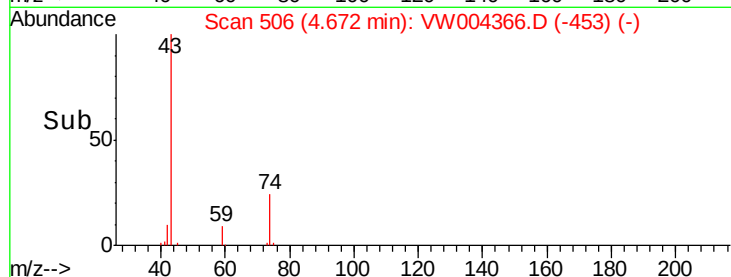
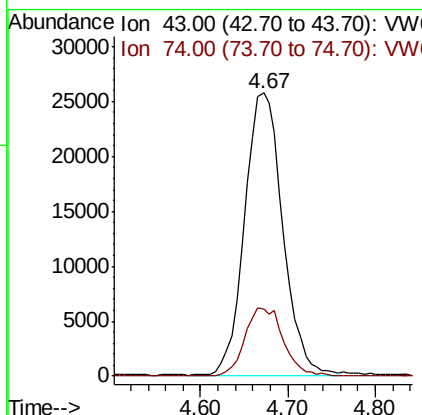
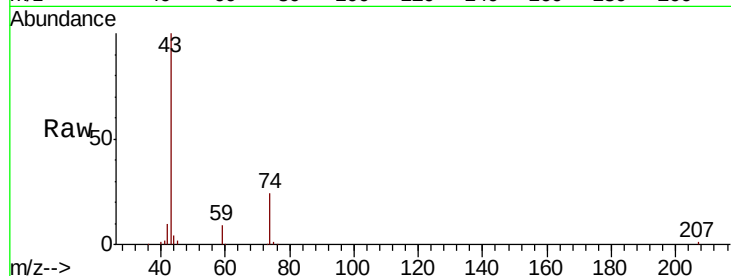




#15
Methvl Acetate
Concen: 28.904 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004366.D
Acq: 31 Jul 2018 19:47

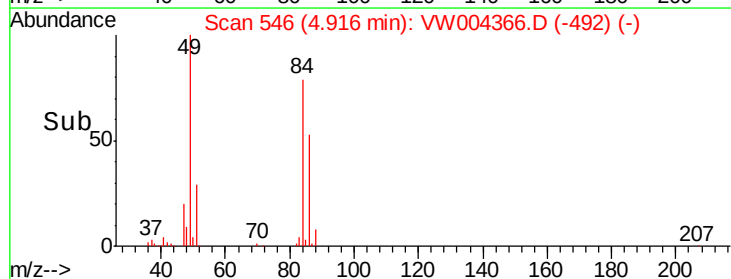
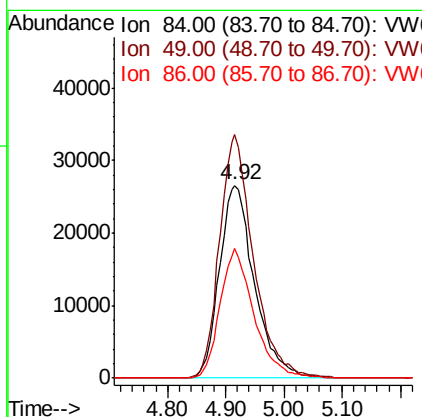
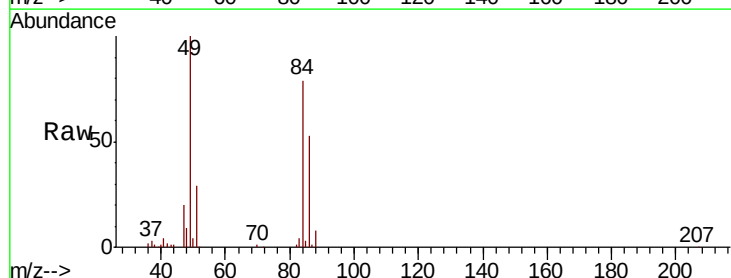
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

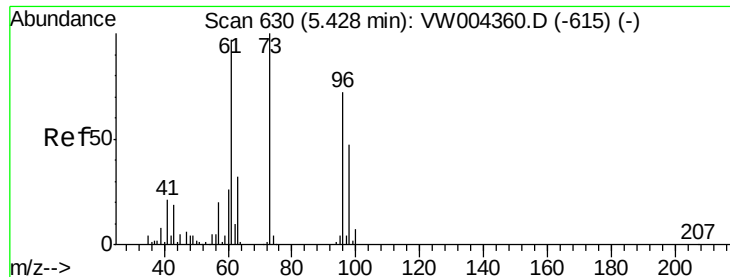
Tot Ion: 43 Resp: 77891
Ion Ratio Lower Upper
43 100
74 15.6 20.6 31.0#



#16
Methylene chloride
Concen: 21.936 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW004366.D
Acq: 31 Jul 2018 19:47

Tgt Ion: 84 Resp: 110873
Ion Ratio Lower Upper
84 100
49 126.2 79.5 147.7
86 67.0 45.8 85.2

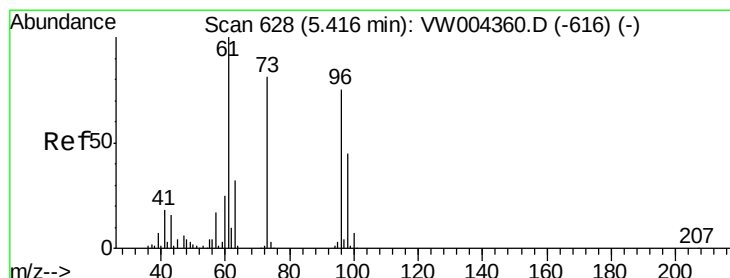
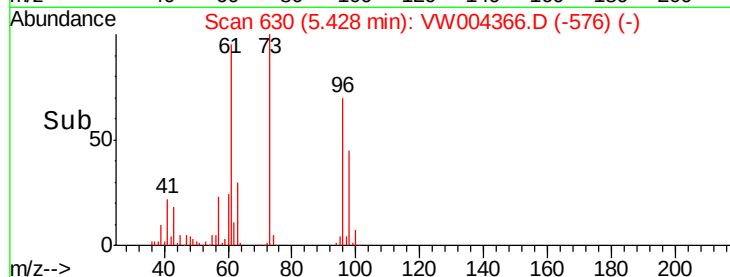
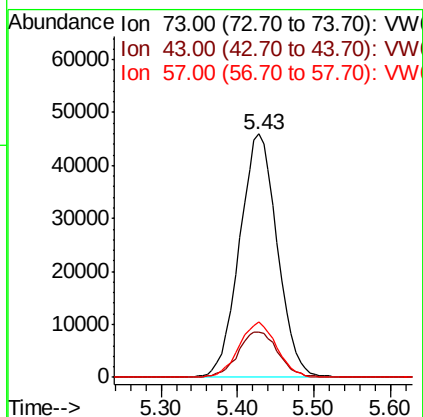
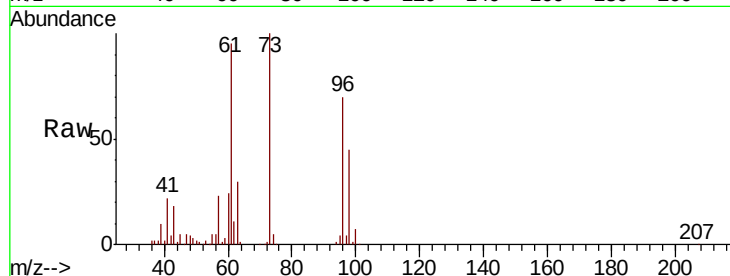




#17
Methyl tert-butyl Ether
Concen: 25.289 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004366.D
Acq: 31 Jul 2018 19:47

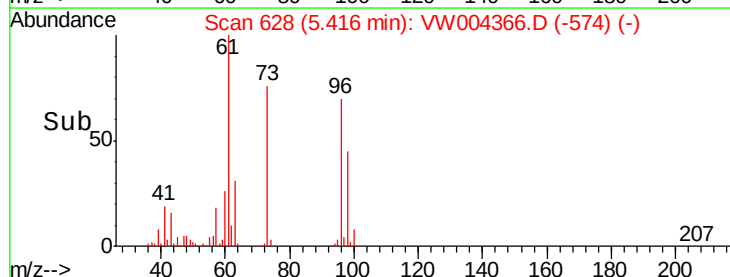
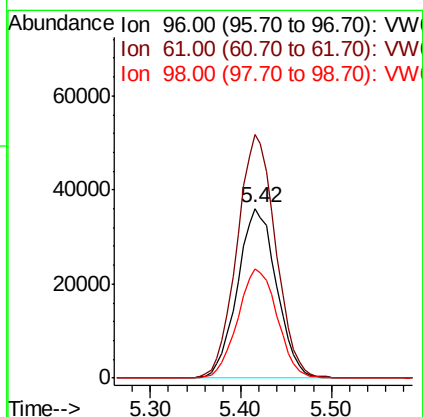
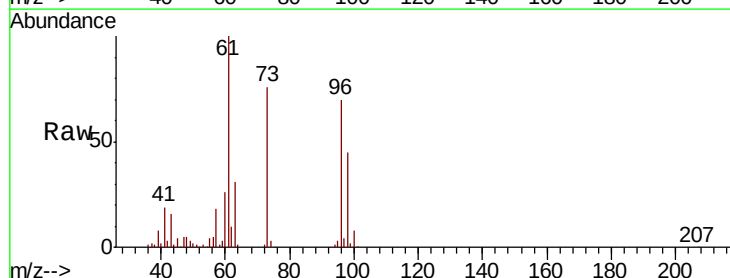
Instrument :
MSVOA_W
ClientSampled :
VSTD02584

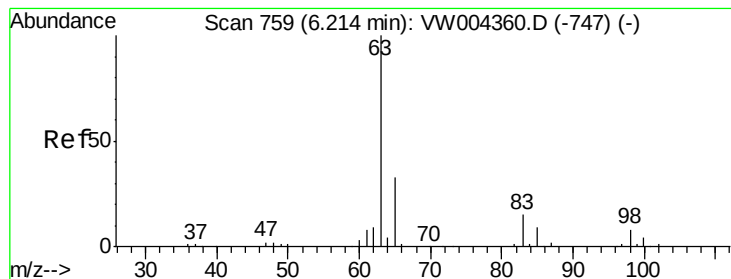
Tot Ion: 73 Resp: 157692
Ion Ratio Lower Upper
73 100
43 19.5 15.1 22.7
57 22.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 25.059 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW004366.D
Acq: 31 Jul 2018 19:47

Tgt Ion: 96 Resp: 107981
Ion Ratio Lower Upper
96 100
61 143.3 93.7 174.1
98 64.3 41.9 77.7





#19

1,1-Dichloroethane

Concen: 25.983 ug/L

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

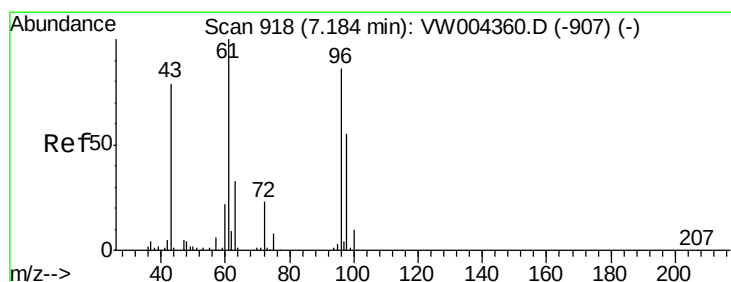
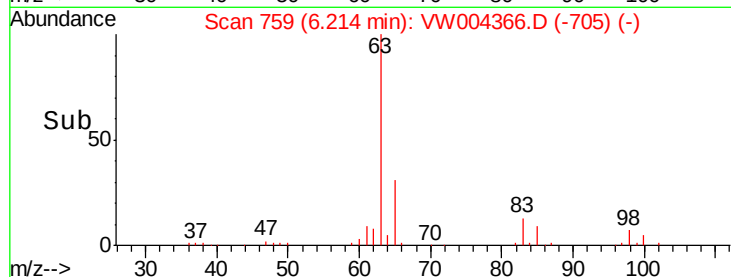
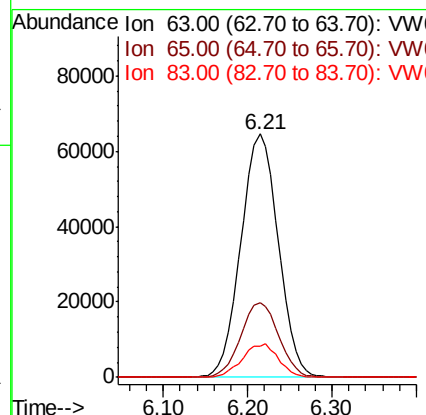
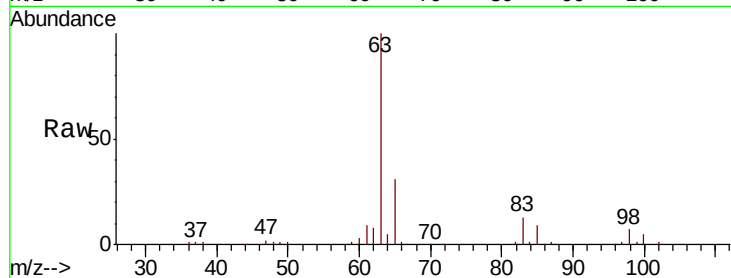
Tot Ion: 63 Resp: 194655

Ion Ratio Lower Upper

63 100

65 30.7 23.0 42.8

83 12.9 10.3 19.1



#21

2-Butanone

Concen: 56.715 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004366.D

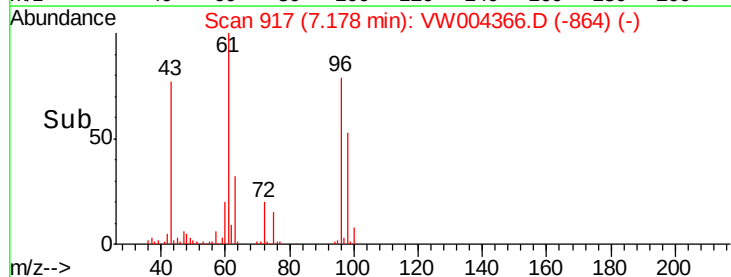
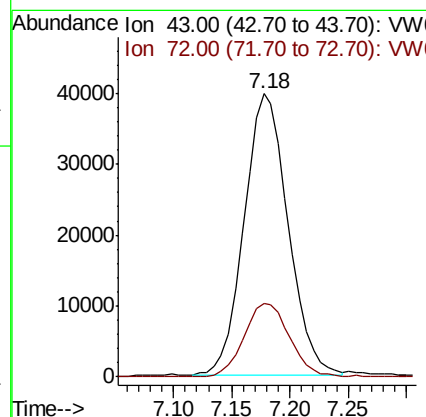
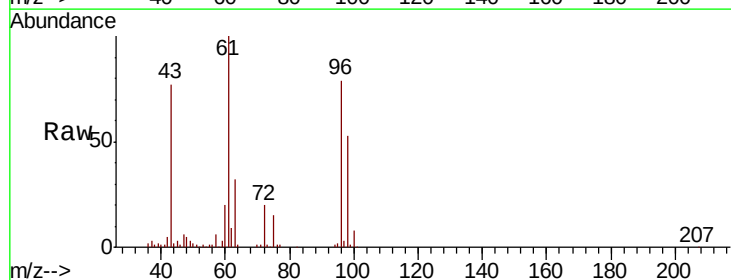
Acq: 31 Jul 2018 19:47

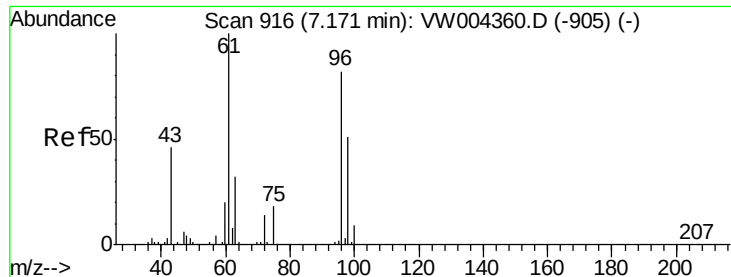
Tgt Ion: 43 Resp: 104473

Ion Ratio Lower Upper

43 100

72 26.9 14.4 43.2



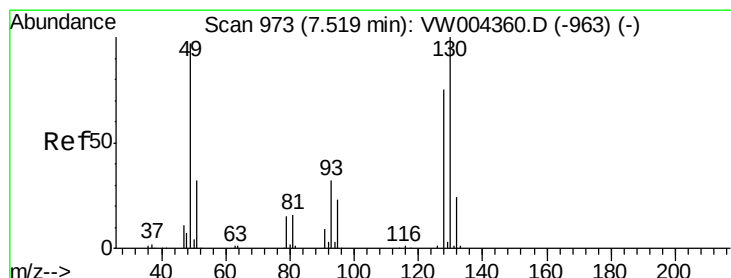
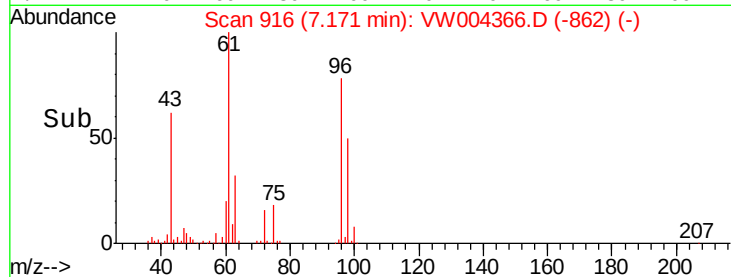
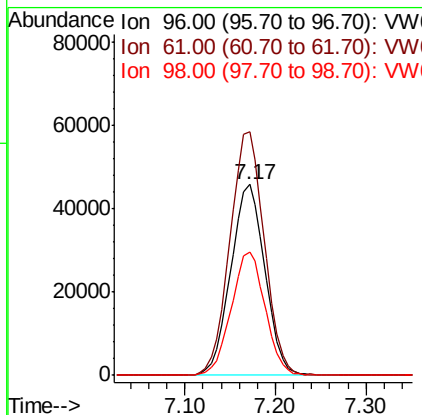
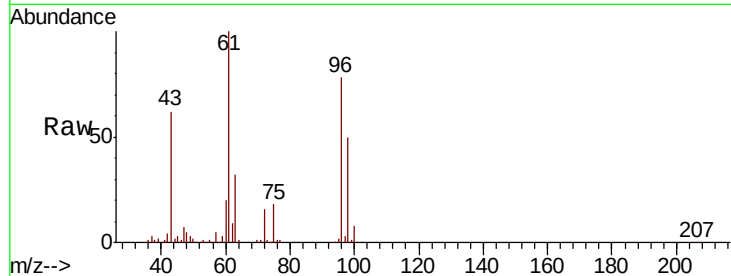


#22

cis-1,2-Dichloroethene
Concen: 25.160 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004366.D
Acq: 31 Jul 2018 19:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

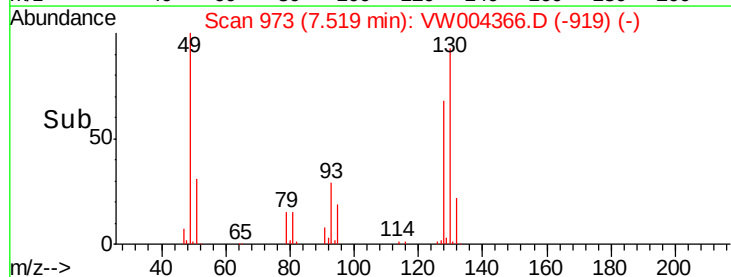
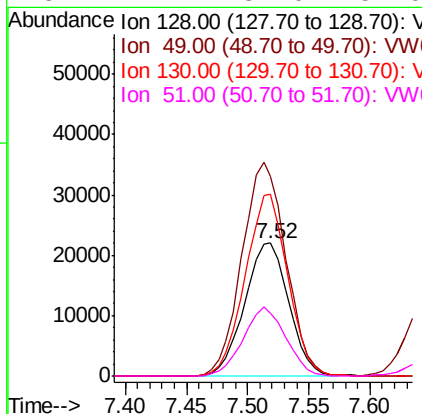
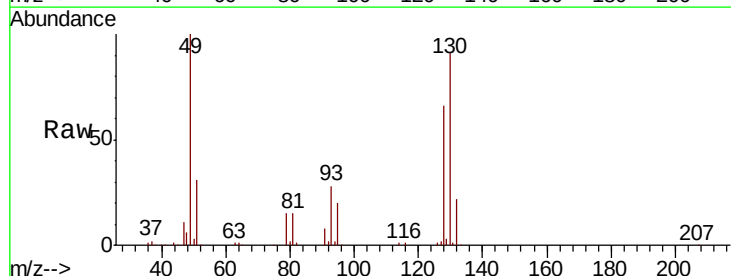
Tot Ion	96	Resp	119497
Ion	Ratio	Lower	Upper
96	100		
61	127.7	85.7	159.1
98	64.3	43.8	81.3

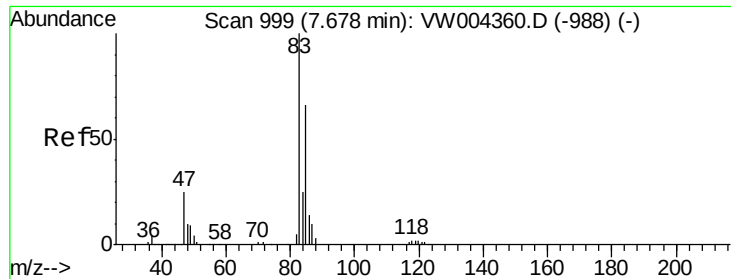


#23

Bromochloromethane
Concen: 24.815 ug/L
RT: 7.52 min Scan# 973
Delta R.T. -0.00 min
Lab File: VW004366.D
Acq: 31 Jul 2018 19:47

Tgt Ion	128	Resp	55354
Ion	Ratio	Lower	Upper
128	100		
49	150.5	90.9	168.7
130	136.9	93.8	174.2
51	47.2	34.0	51.0





#25

Chloroform

Concen: 25.341 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

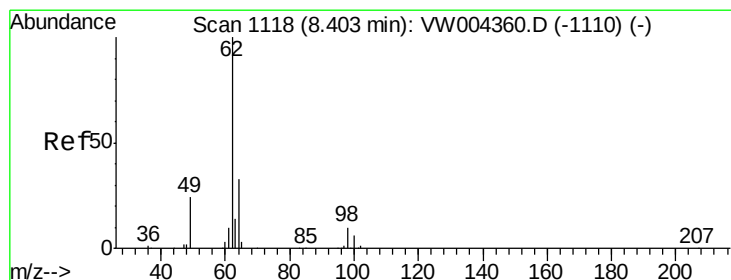
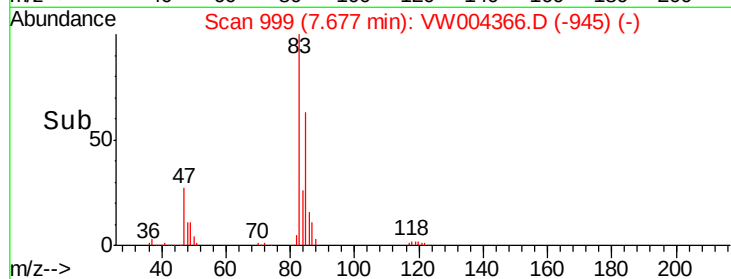
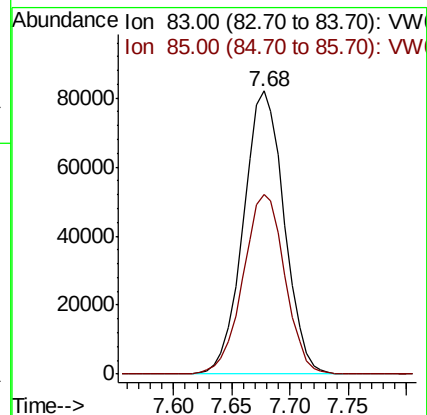
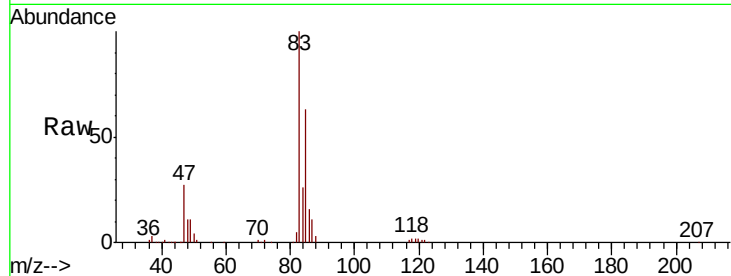
VSTD02584

Tot Ion: 83 Resp: 199737

Ion Ratio Lower Upper

83 100

85 65.1 46.2 85.8



#27

1,2-Dichloroethane

Concen: 25.606 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004366.D

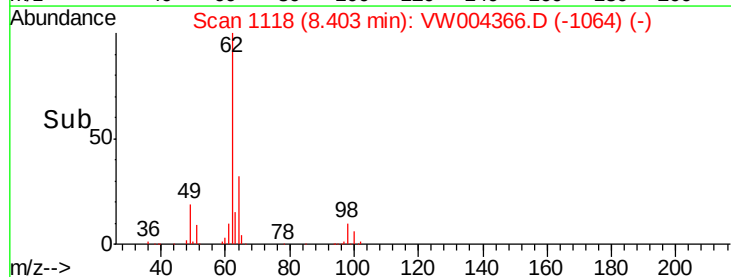
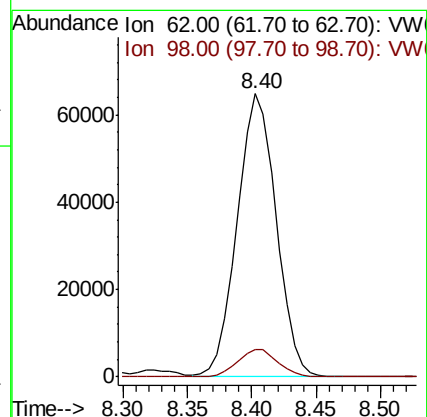
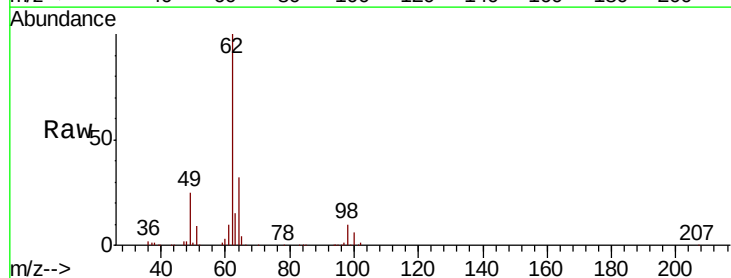
Acq: 31 Jul 2018 19:47

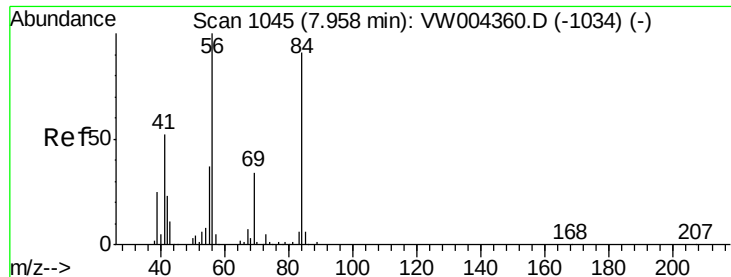
Tgt Ion: 62 Resp: 136325

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.8

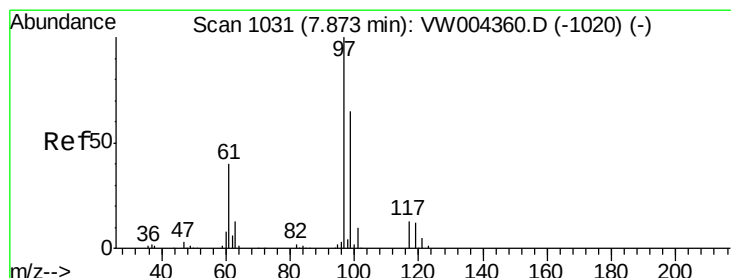
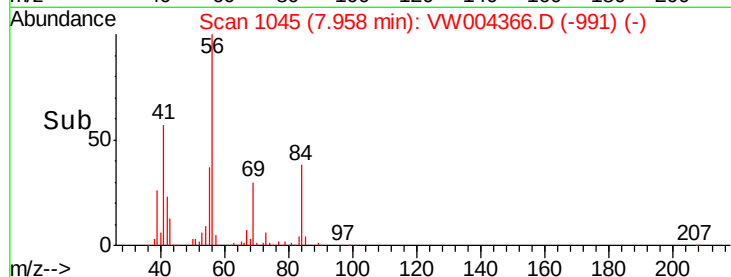
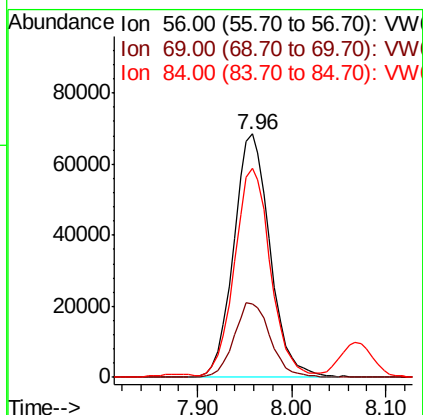
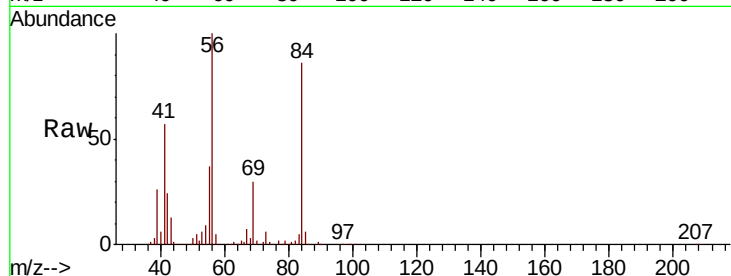




#30
Cyclohexane
Concen: 26.039 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004366.D
Acq: 31 Jul 2018 19:47

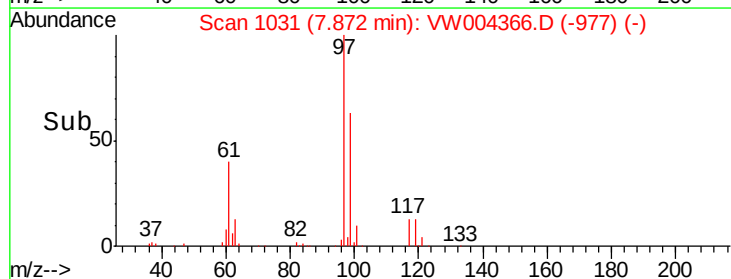
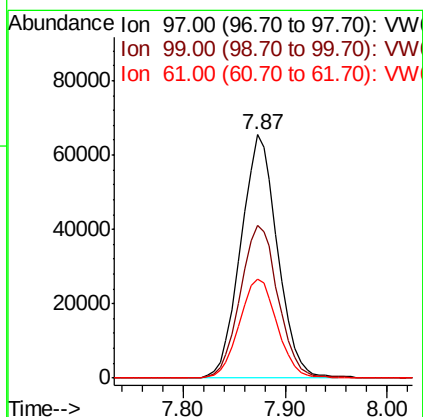
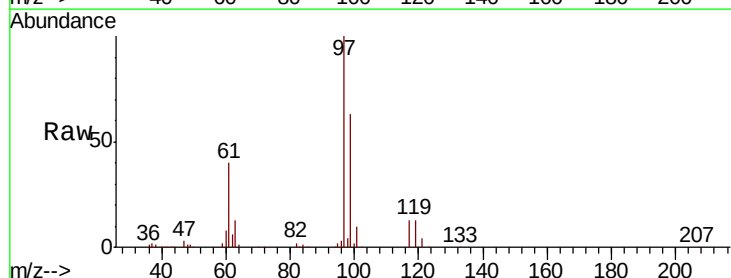
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

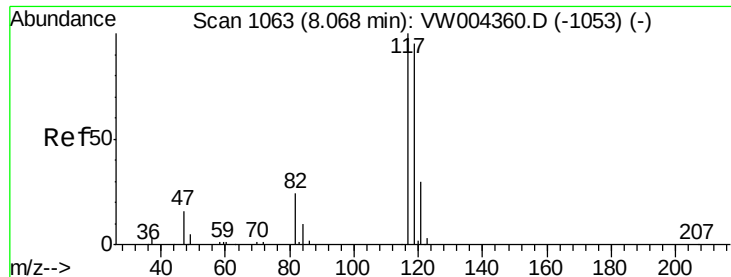
Tot Ion: 56 Resp: 184500
Ion Ratio Lower Upper
56 100
69 30.6 25.7 38.5
84 85.5 73.8 110.6



#31
1,1,1-Trichloroethane
Concen: 24.856 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004366.D
Acq: 31 Jul 2018 19:47

Tgt Ion: 97 Resp: 163413
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.0
61 42.0 32.2 48.2





#32

Carbon tetrachloride

Concen: 25.454 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

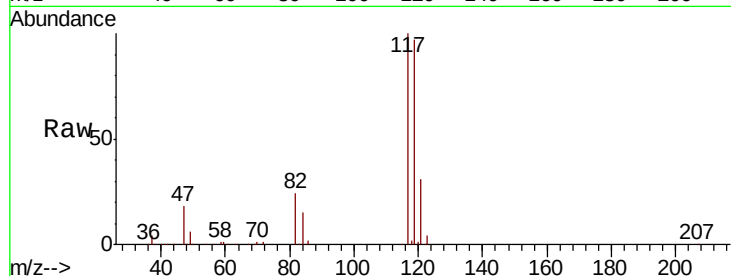
VSTD02584

Tot Ion:117 Resp: 162983

Ion Ratio Lower Upper

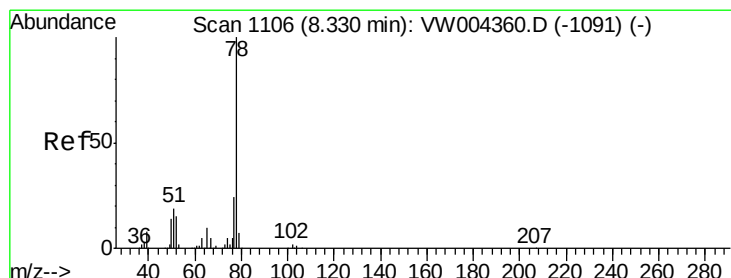
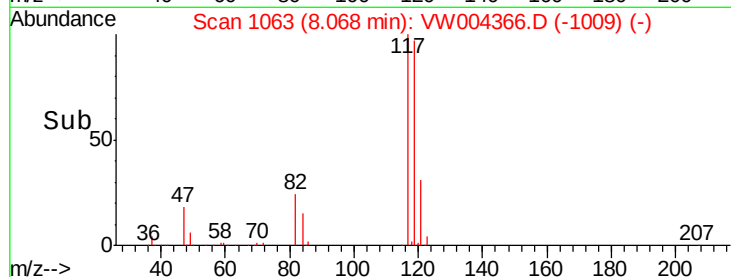
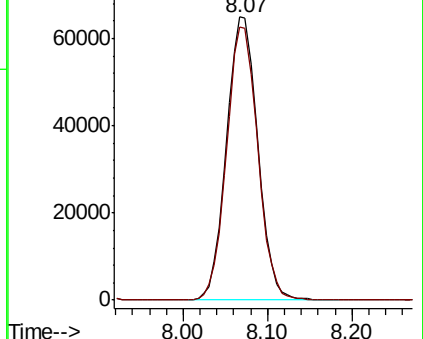
117 100

119 96.1 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.532 ug/L

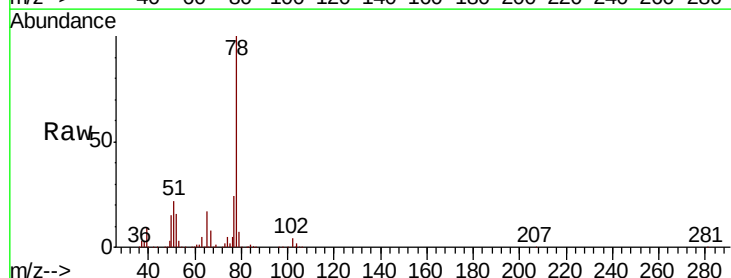
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

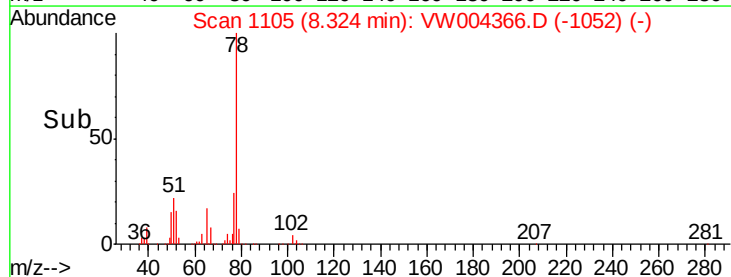
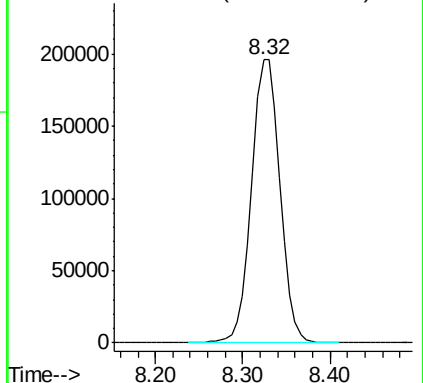
Lab File: VW004366.D

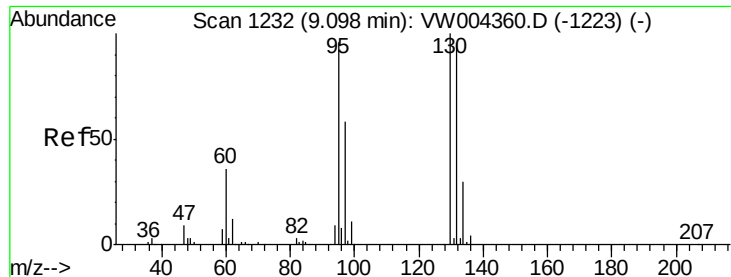
Acq: 31 Jul 2018 19:47

Tgt Ion: 78 Resp: 444070



Abundance Ion 78.00 (77.70 to 78.70): VW

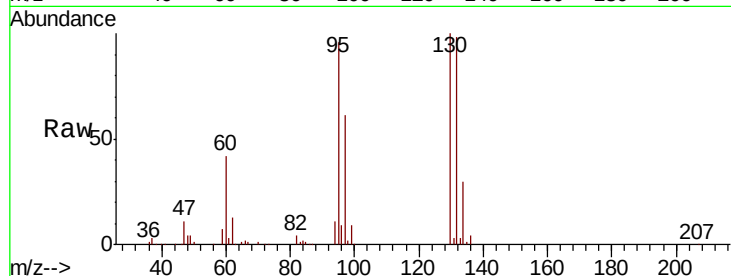




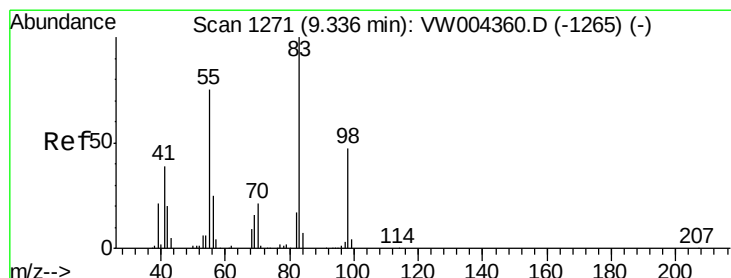
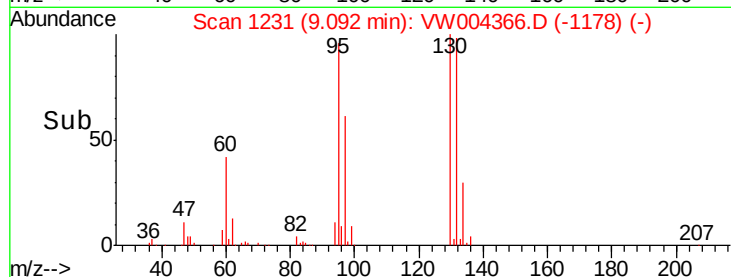
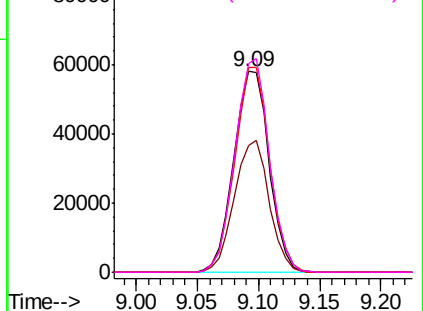
#35
 Trichloroethene
 Concen: 25.000 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW004366.D
 Acq: 31 Jul 2018 19:47

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02584

Tot Ion:	95	Resp:	116395
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.6	84.6
132	100.5	71.2	132.2
130	103.7	73.9	137.3

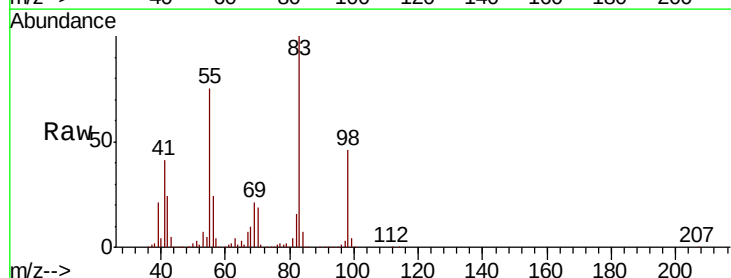


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

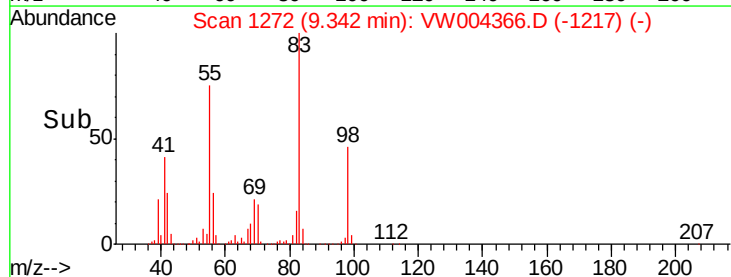
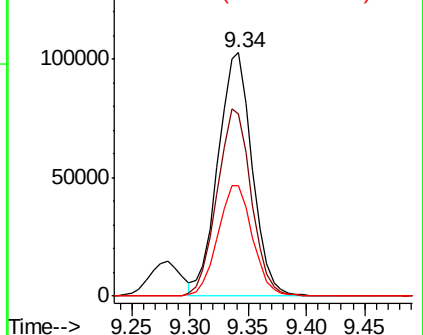


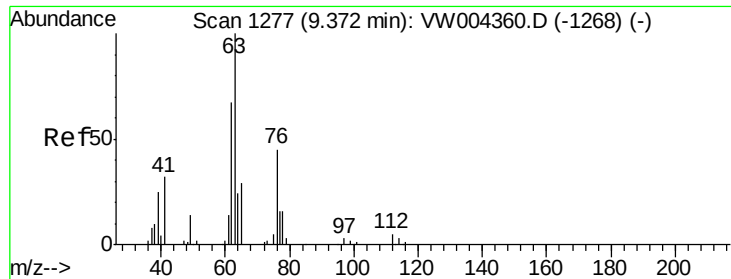
#36
 Methylcyclohexane
 Concen: 25.201 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VW004366.D
 Acq: 31 Jul 2018 19:47

Tgt Ion:	83	Resp:	209288
Ion	Ratio	Lower	Upper
83	100		
55	76.7	58.2	87.2
98	46.3	37.7	56.5



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: 25.888 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

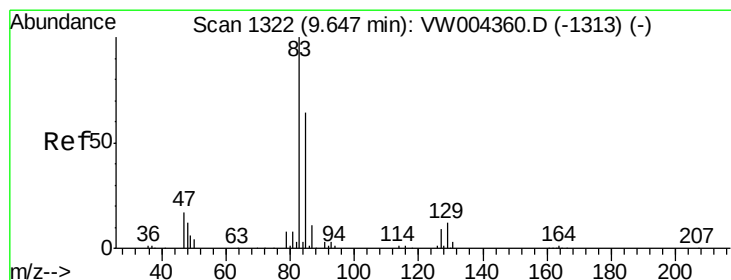
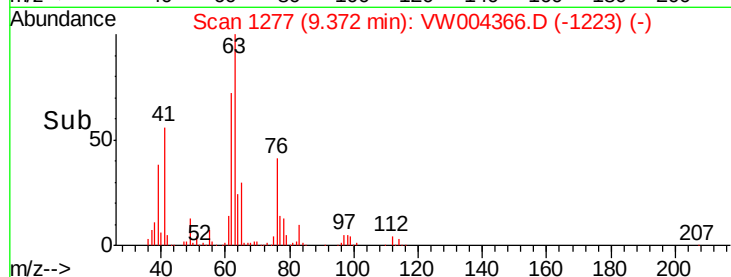
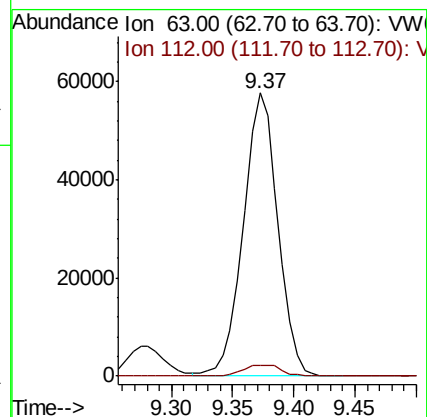
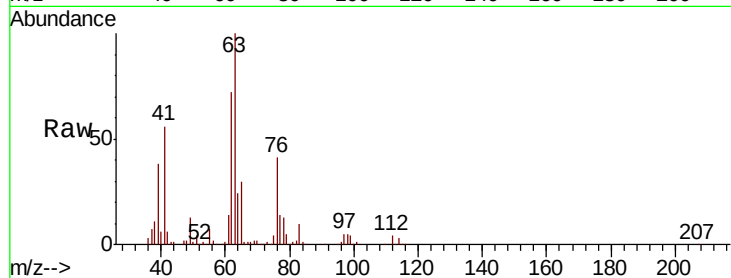
VSTD02584

Tot Ion: 63 Resp: 112948

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



#41

Bromodichloromethane

Concen: 25.092 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

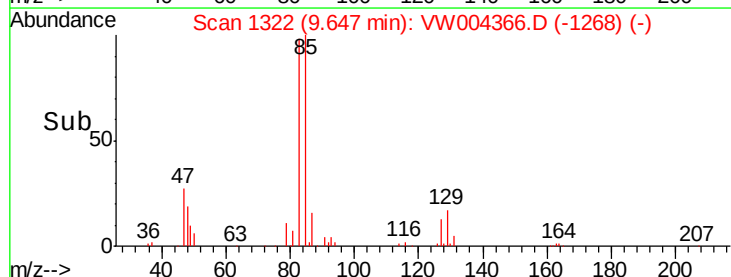
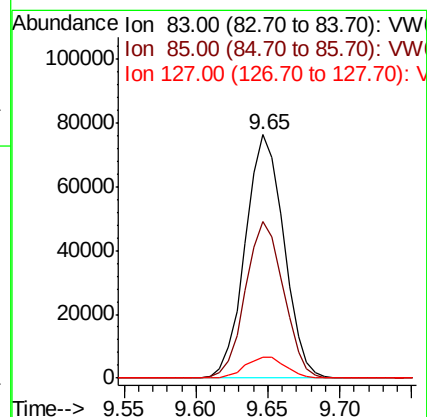
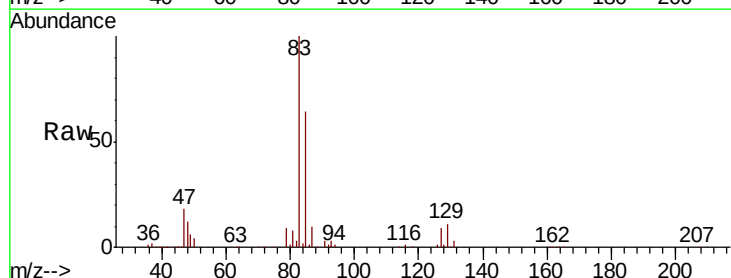
Tgt Ion: 83 Resp: 141641

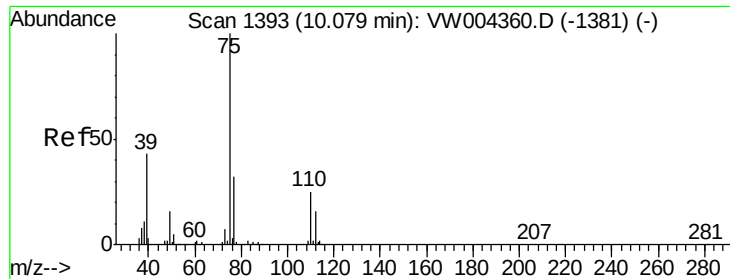
Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

127 8.6 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 25.205 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampled :

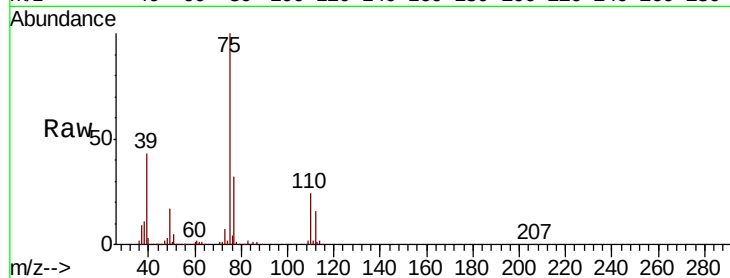
VSTD02584

Tot Ion: 75 Resp: 172490

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

80000

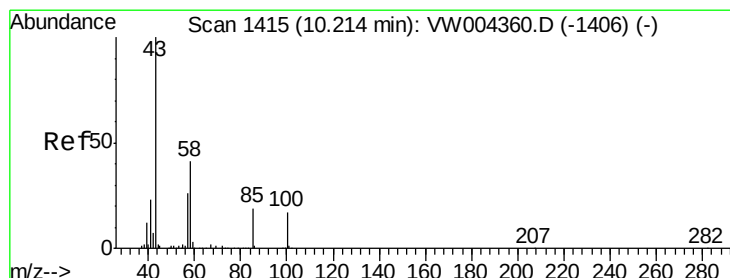
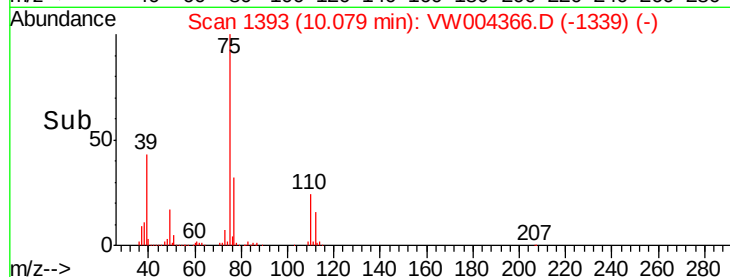
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 58.428 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

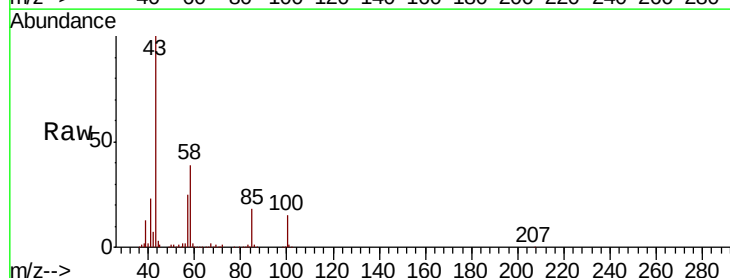
Tgt Ion: 43 Resp: 206374

Ion Ratio Lower Upper

43 100

58 38.9 32.3 48.5

100 15.2 13.9 20.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.21

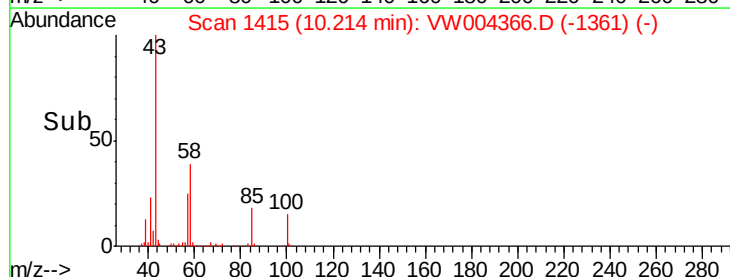
150000

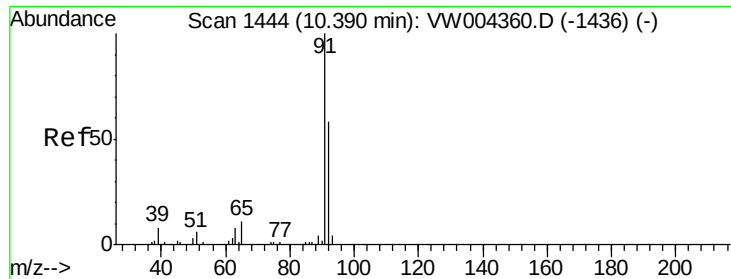
100000

50000

0

Time-->





#44

Toluene

Concen: 25.504 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampled :

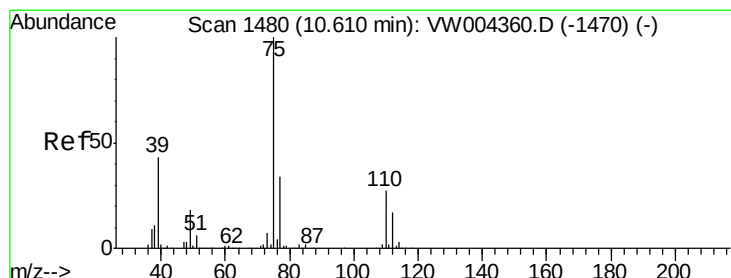
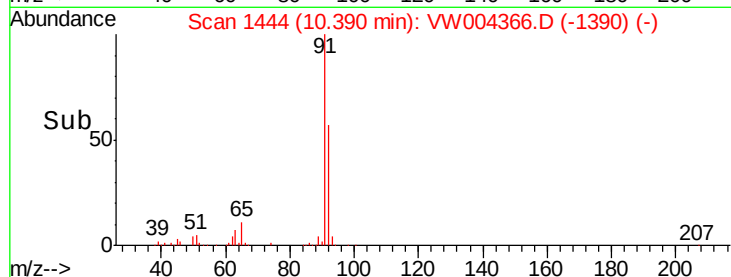
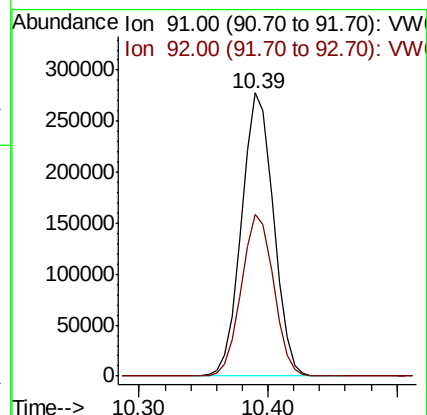
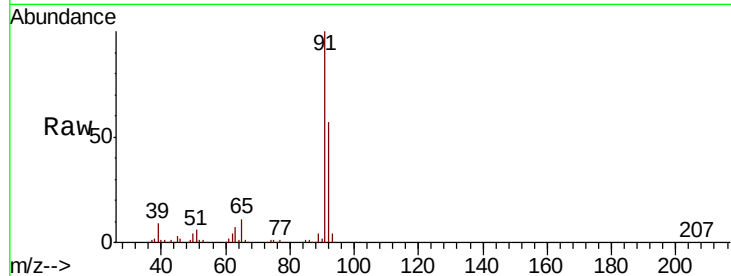
VSTD02584

Tot Ion: 91 Resp: 477018

Ion Ratio Lower Upper

91 100

92 57.2 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 25.697 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004366.D

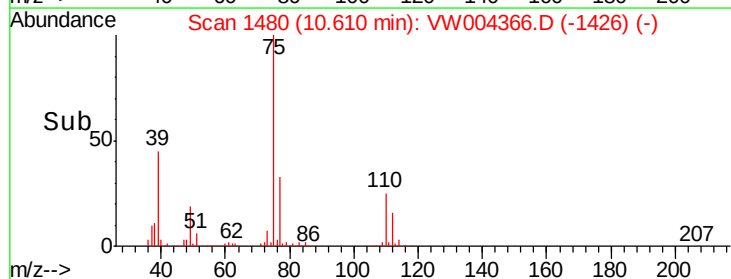
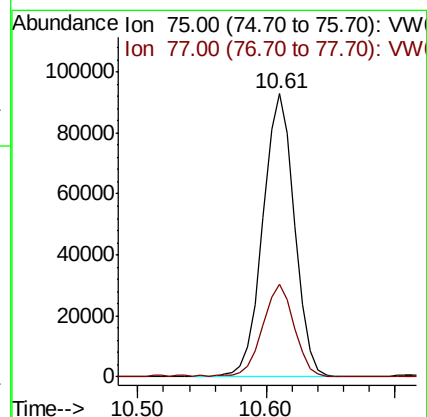
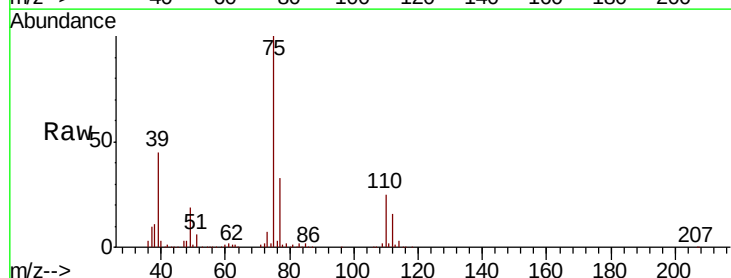
Acq: 31 Jul 2018 19:47

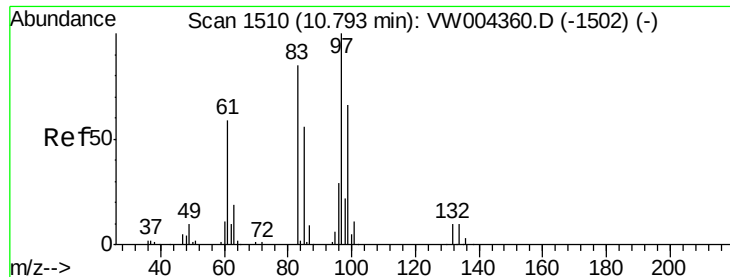
Tgt Ion: 75 Resp: 157884

Ion Ratio Lower Upper

75 100

77 32.8 23.9 44.5

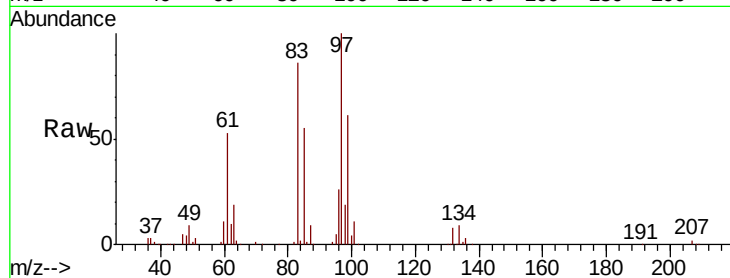




#46
 1,1,2-Trichloroethane
 Concen: 25.782 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004366.D
 Acq: 31 Jul 2018 19:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Tot Ion:	97	Resp:	92758
Ion	Ratio	Lower	Upper
97	100		
83	86.3	59.4	110.2
85	54.6	39.0	72.4
99	60.8	46.0	85.4



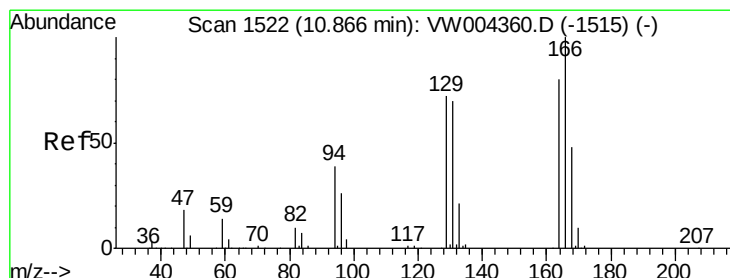
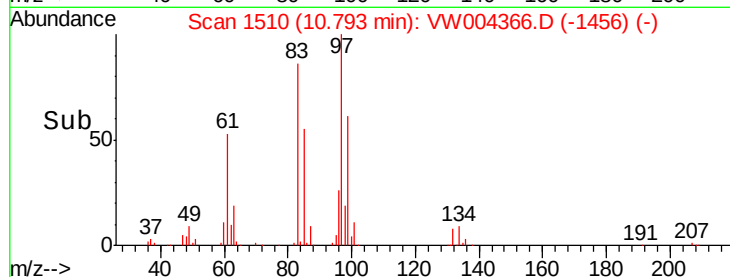
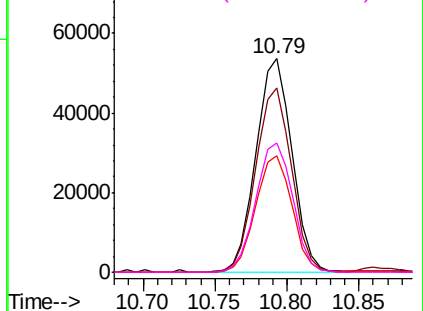
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

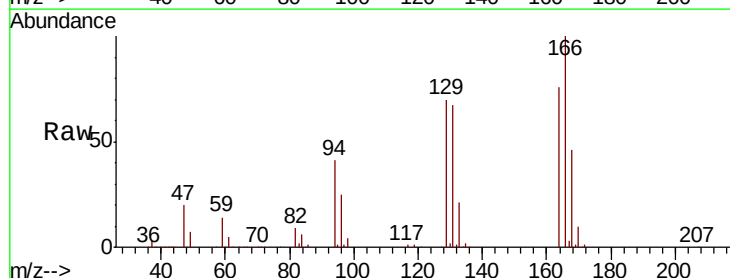
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.238 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004366.D
 Acq: 31 Jul 2018 19:47

Tgt Ion:	164	Resp:	96896
Ion	Ratio	Lower	Upper
164	100		
129	92.3	63.7	118.3
131	87.8	61.6	114.4
166	131.7	87.9	163.3



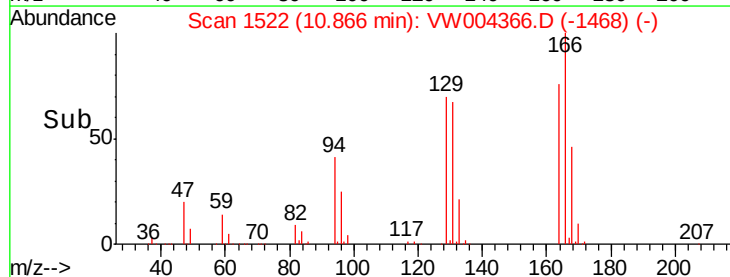
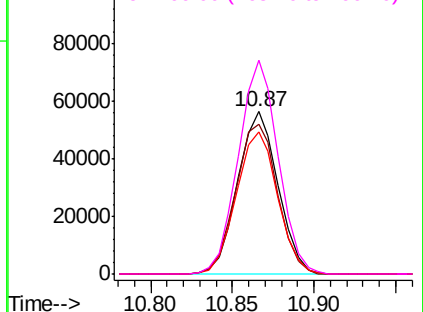
Abundance

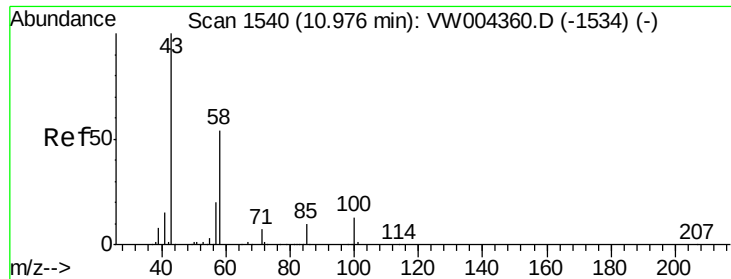
Ion 164.00 (163.70 to 164.70): V

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

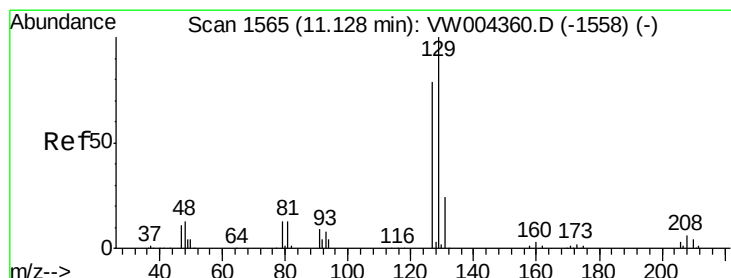
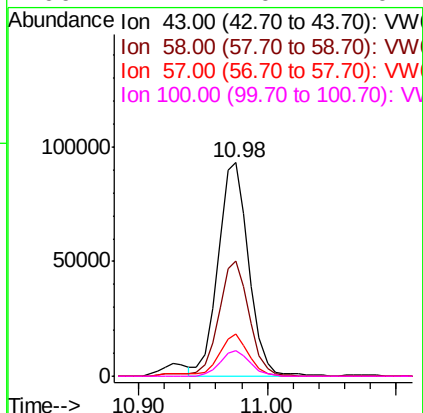
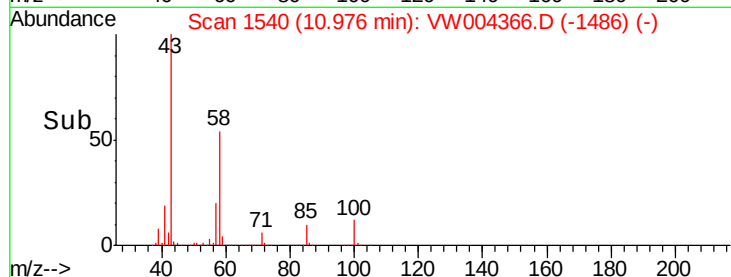
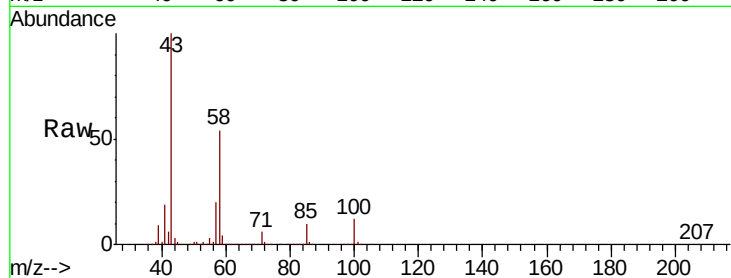




#49
2-Hexanone
Concen: 59.209 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004366.D
Acq: 31 Jul 2018 19:47

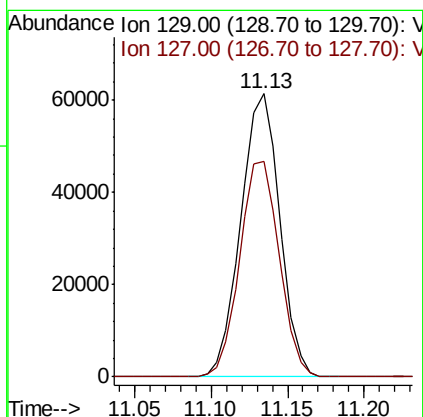
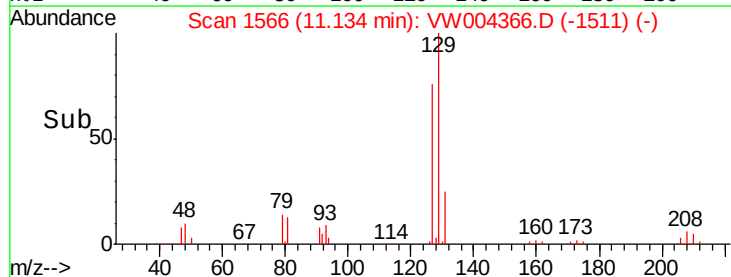
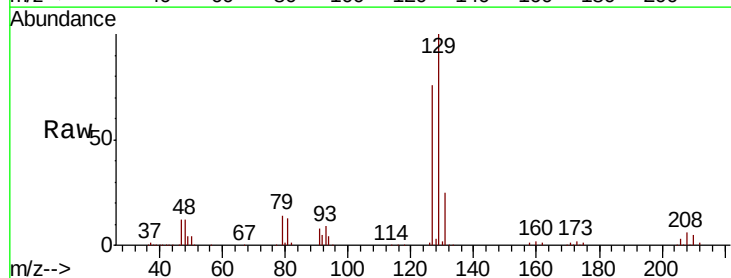
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

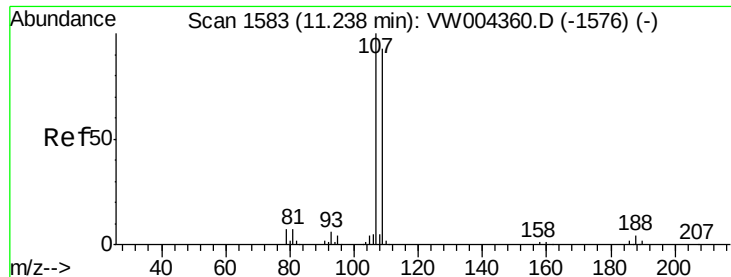
Tot Ion: 43 Resp: 155434
Ion Ratio Lower Upper
43 100
58 53.1 44.0 66.0
57 18.8 16.0 24.0
100 11.7 10.7 16.1



#50
Dibromochloromethane
Concen: 24.858 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW004366.D
Acq: 31 Jul 2018 19:47

Tgt Ion: 129 Resp: 108955
Ion Ratio Lower Upper
129 100
127 76.0 55.6 103.2





#51

1,2-Dibromoethane

Concen: 26.337 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

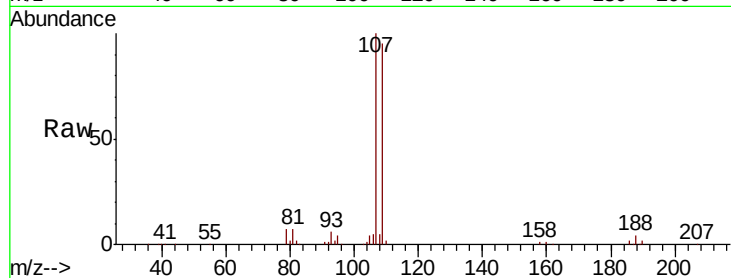
Tot Ion:107 Resp: 93913

Ion Ratio Lower Upper

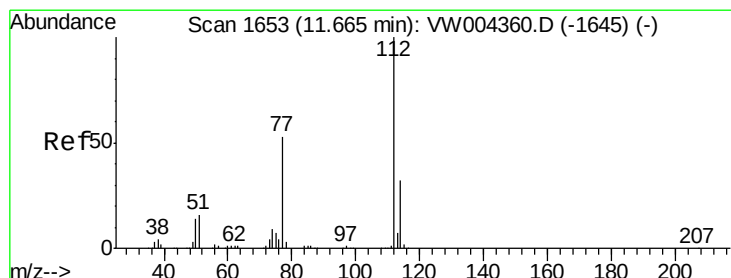
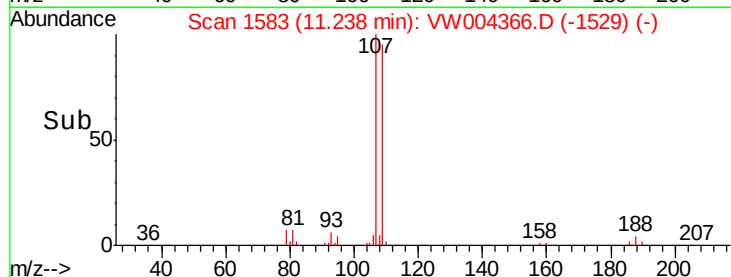
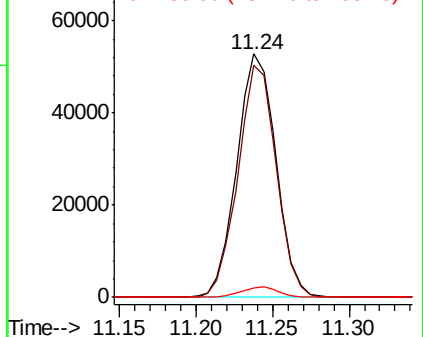
107 100

109 95.3 65.1 120.9

188 3.7 3.2 4.8



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: 24.426 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

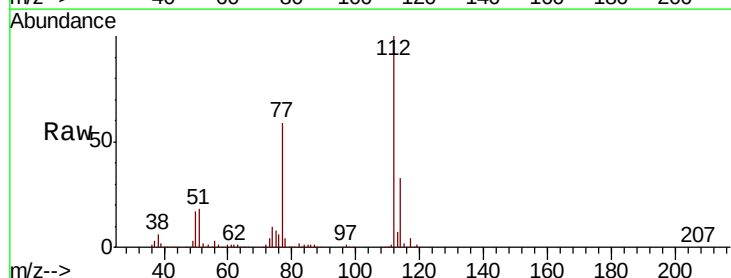
Tgt Ion:112 Resp: 304100

Ion Ratio Lower Upper

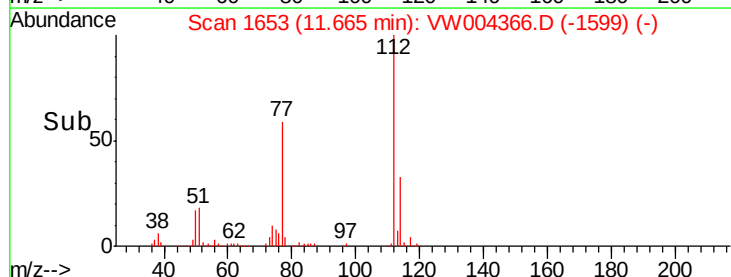
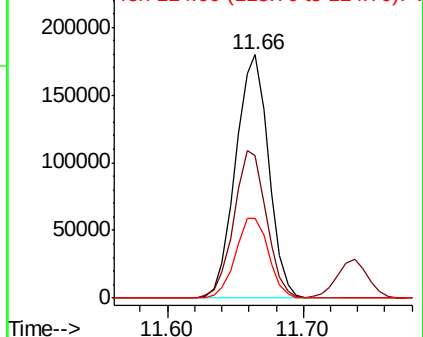
112 100

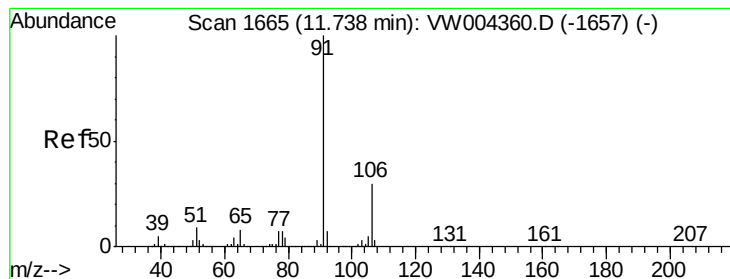
77 58.7 42.9 64.3

114 32.7 22.0 41.0



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: 25.068 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

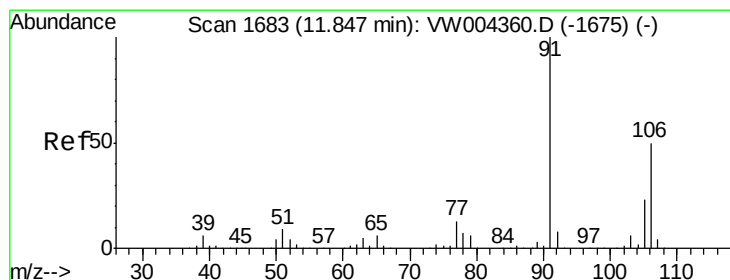
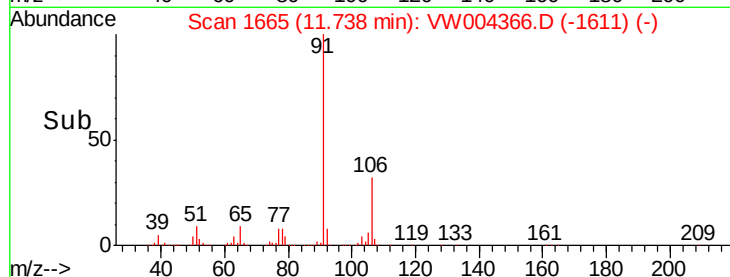
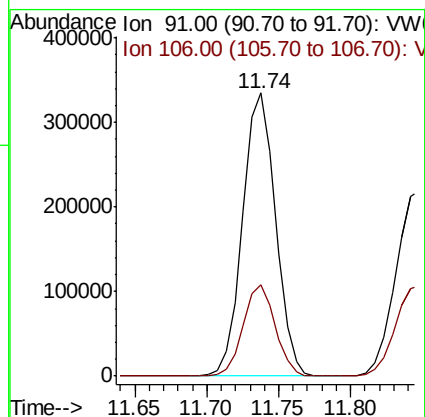
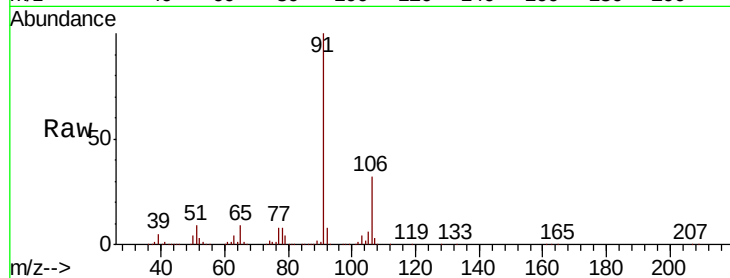
VSTD02584

Tot Ion: 91 Resp: 530413

Ion Ratio Lower Upper

91 100

106 32.2 20.7 38.5



#54

m,p-Xylene

Concen: 25.136 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004366.D

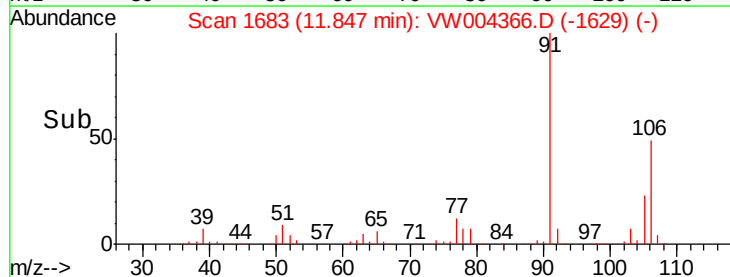
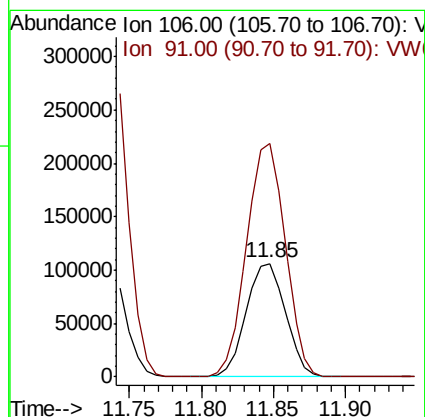
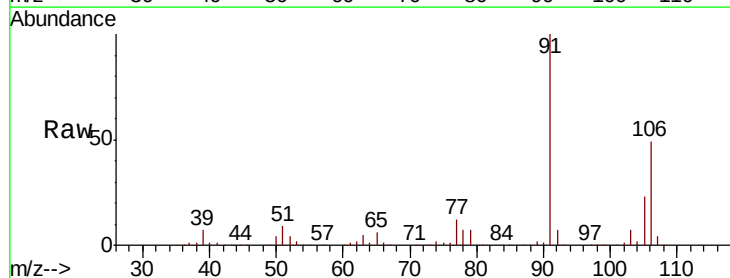
Acq: 31 Jul 2018 19:47

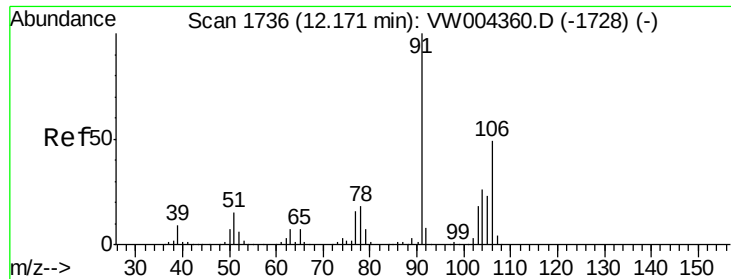
Tgt Ion: 106 Resp: 201184

Ion Ratio Lower Upper

106 100

91 205.9 139.2 258.6





#55

o-xylene

Concen: 25.917 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

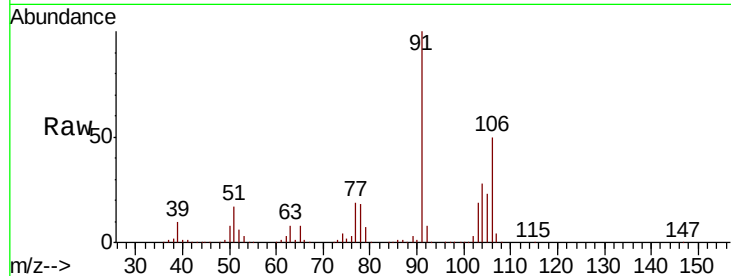
VSTD02584

Tot Ion:106 Resp: 195923

Ion Ratio Lower Upper

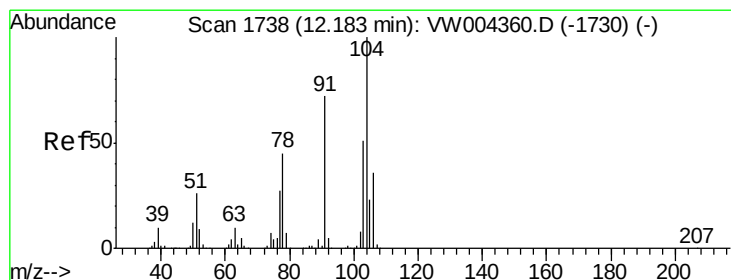
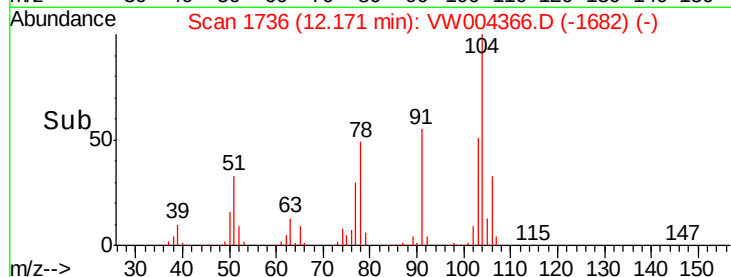
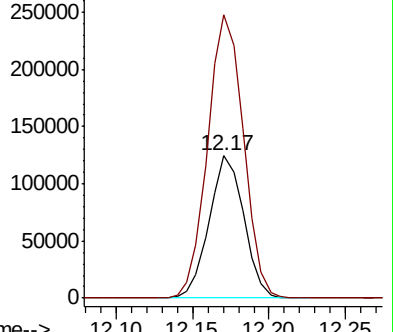
106 100

91 199.1 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.677 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VW004366.D

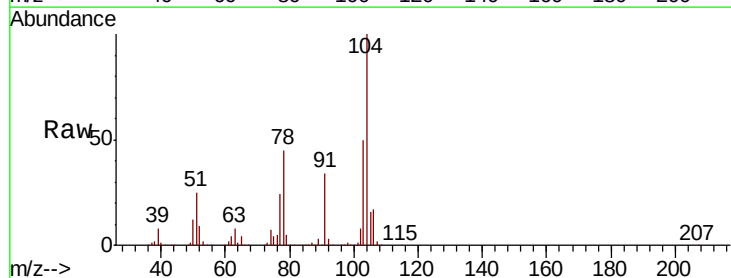
Acq: 31 Jul 2018 19:47

Tgt Ion:104 Resp: 336006

Ion Ratio Lower Upper

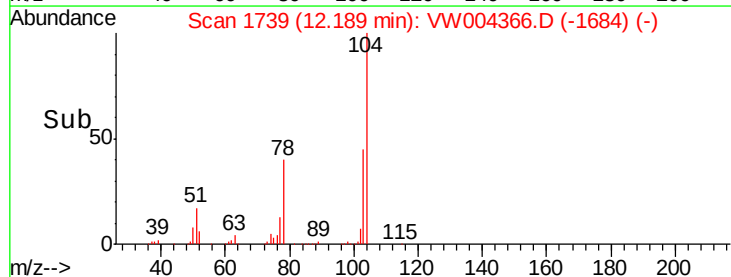
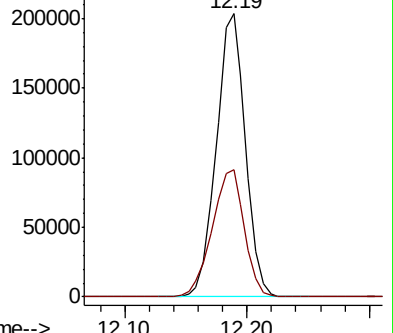
104 100

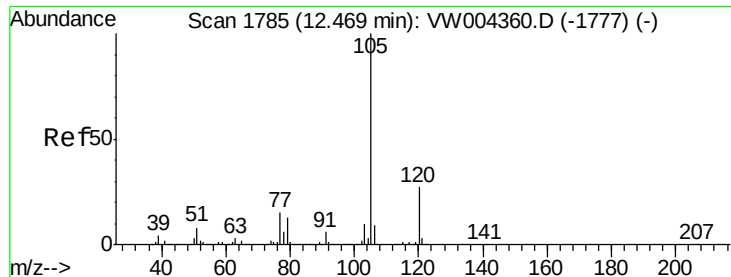
78 44.8 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.596 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

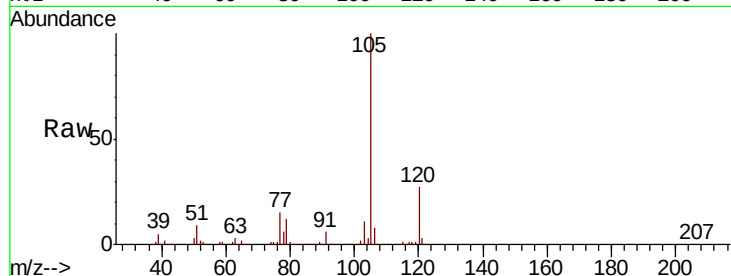
Tot Ion:105 Resp: 542515

Ion Ratio Lower Upper

105 100

120 26.7 21.8 32.8

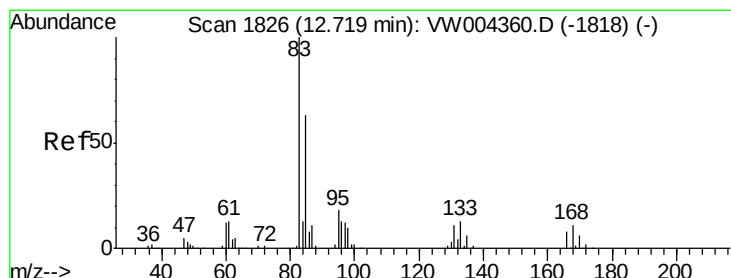
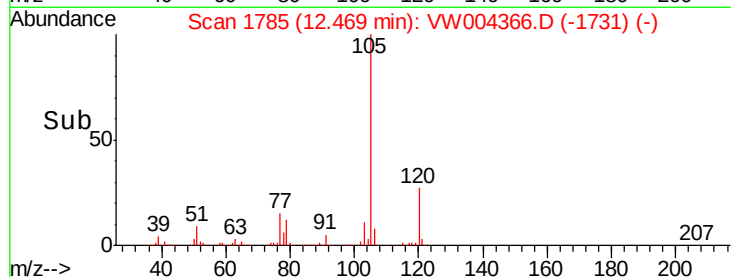
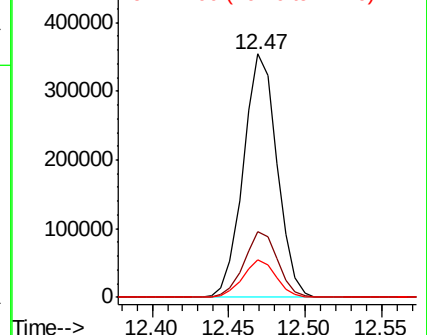
77 15.2 11.8 17.8



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: 27.321 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

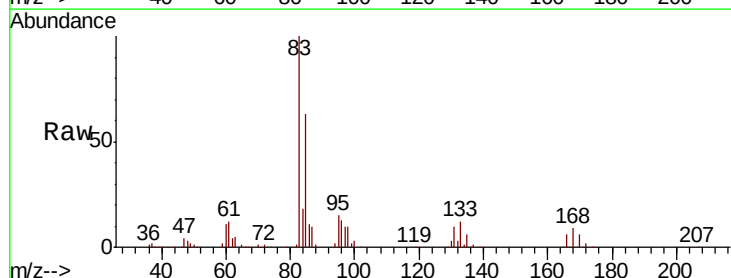
Tgt Ion: 83 Resp: 134957

Ion Ratio Lower Upper

83 100

85 62.9 44.3 82.3

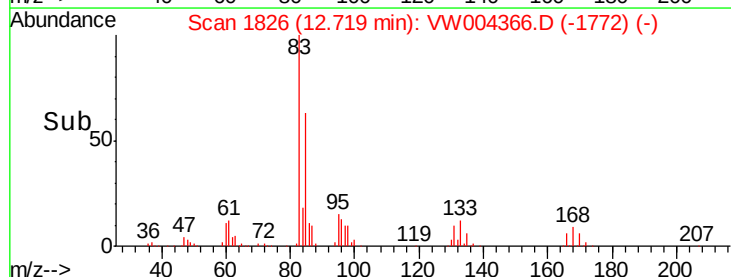
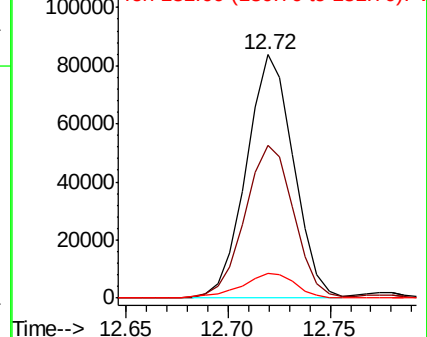
131 10.3 9.1 13.7

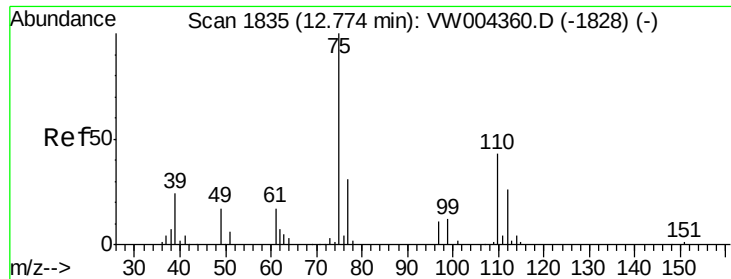


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.248 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

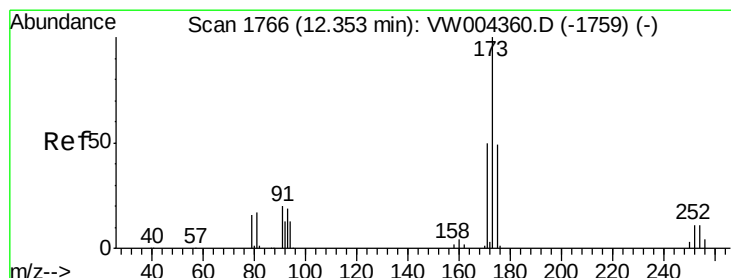
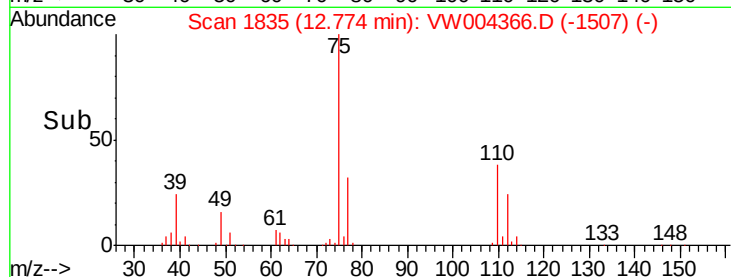
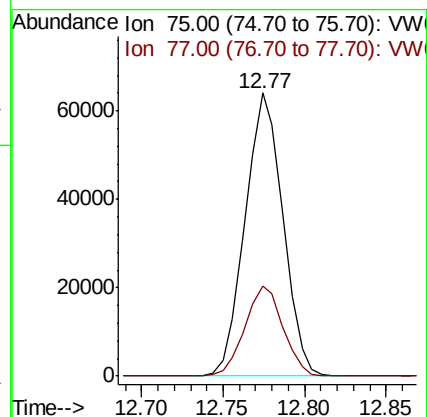
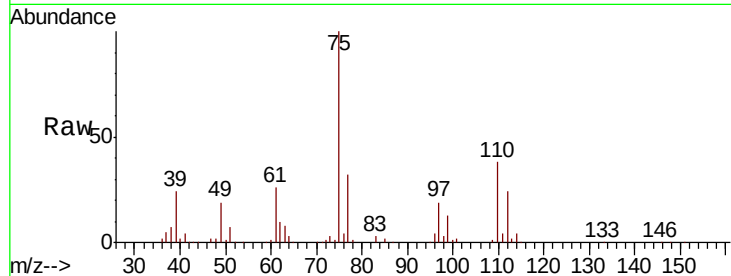
VSTD02584

Tot Ion: 75 Resp: 103627

Ion Ratio Lower Upper

75 100

77 32.1 26.6 40.0



#62

Bromoform

Concen: 26.325 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

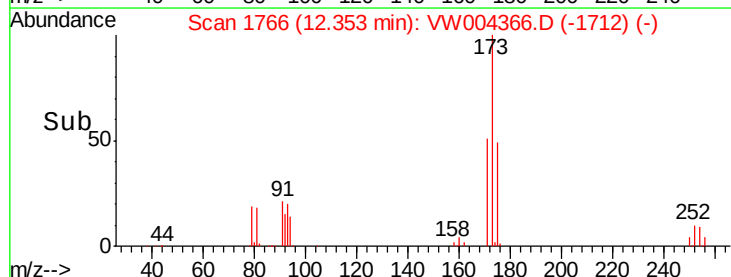
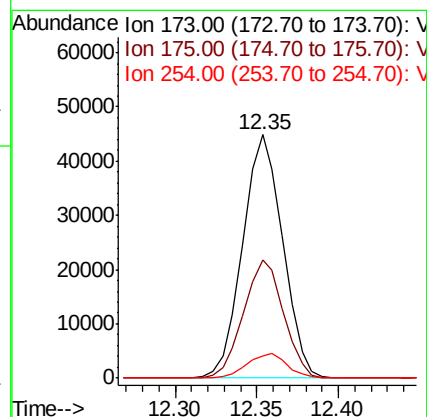
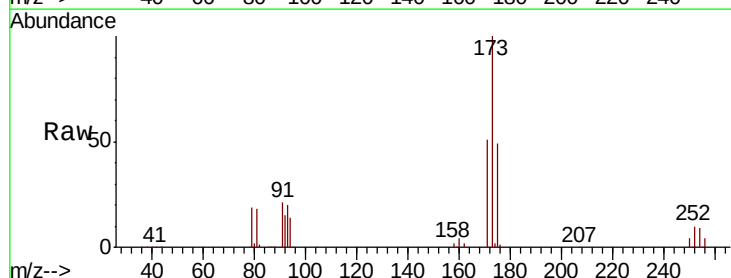
Tgt Ion: 173 Resp: 76804

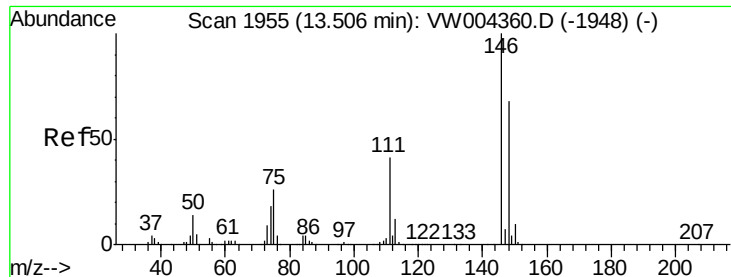
Ion Ratio Lower Upper

173 100

175 48.6 39.8 59.8

254 10.1 8.6 12.8





#63

1,3-Dichlorobenzene

Concen: 24.515 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

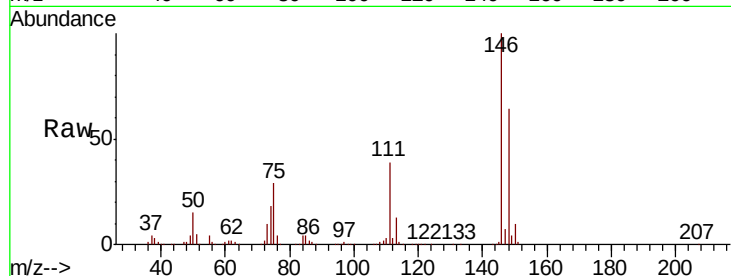
Tot Ion:146 Resp: 247308

Ion Ratio Lower Upper

146 100

111 39.1 28.6 53.2

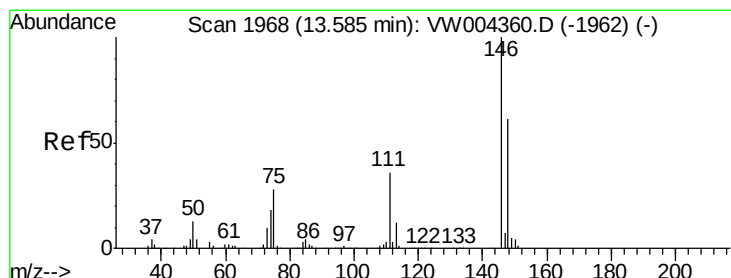
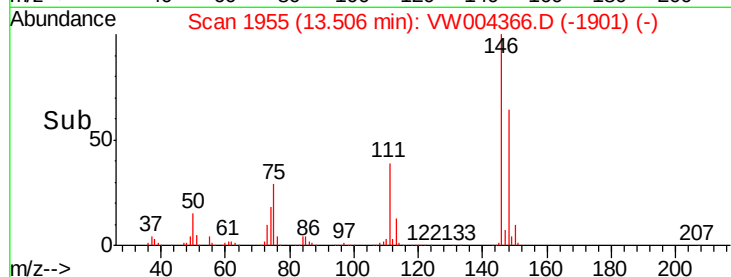
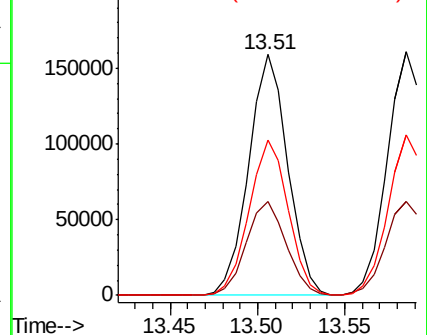
148 64.2 47.7 88.5



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



#64

1,4-Dichlorobenzene

Concen: 24.264 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

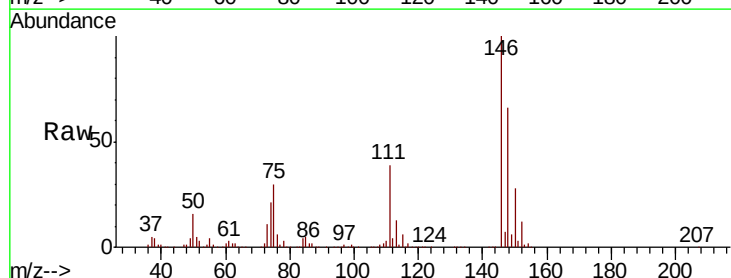
Tgt Ion:146 Resp: 251839

Ion Ratio Lower Upper

146 100

111 38.8 25.4 47.2

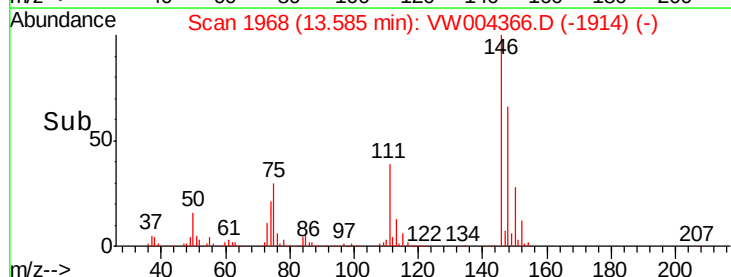
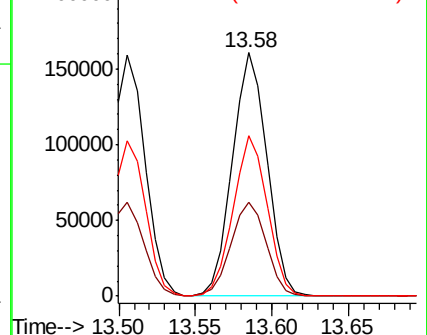
148 66.1 42.8 79.6

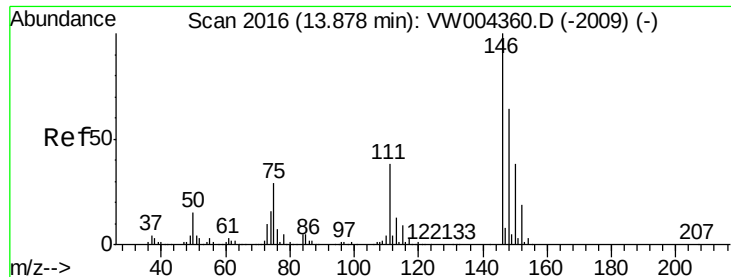


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.636 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

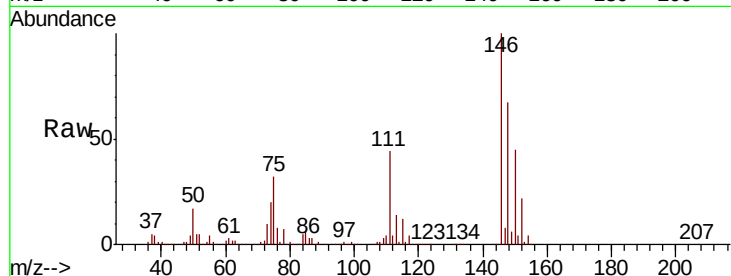
Tot Ion:146 Resp: 234955

Ion Ratio Lower Upper

146 100

111 43.7 30.2 45.4

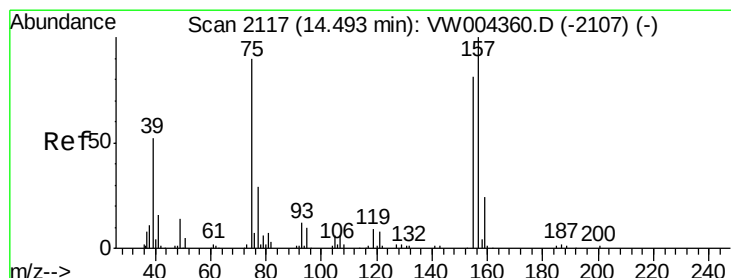
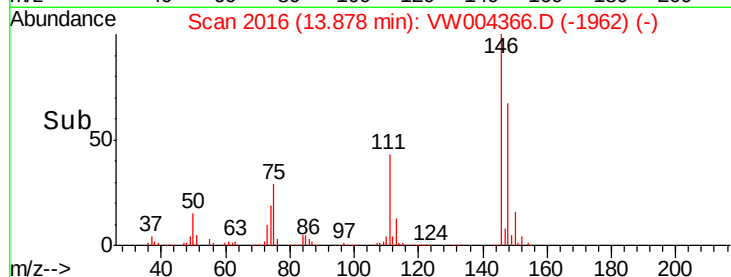
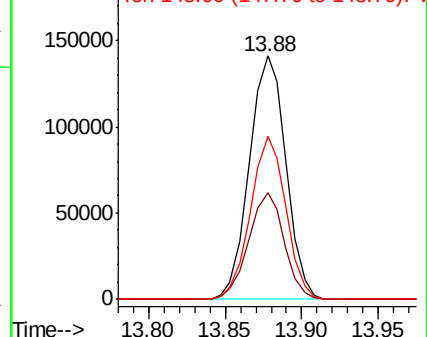
148 67.0 51.0 76.4



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: 27.238 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

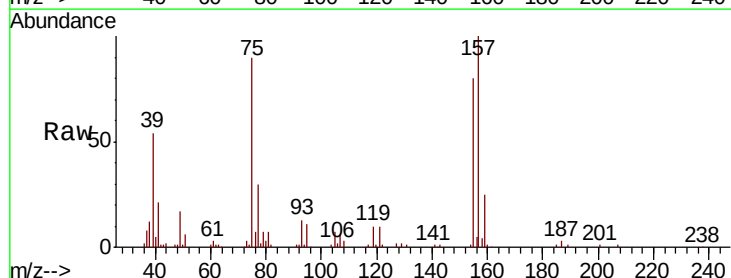
Tgt Ion: 75 Resp: 25596

Ion Ratio Lower Upper

75 100

157 111.5 88.6 132.8

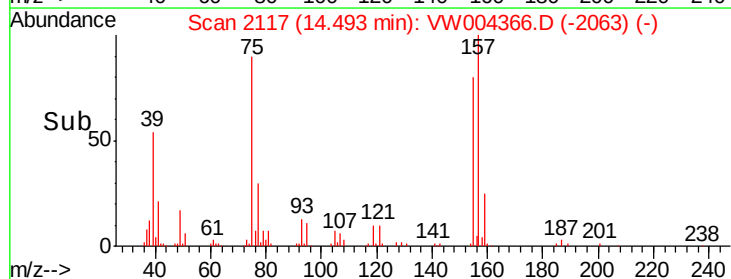
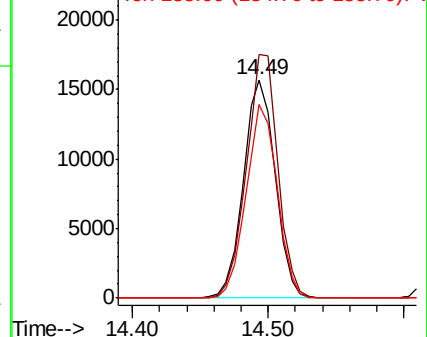
155 88.7 71.8 107.6

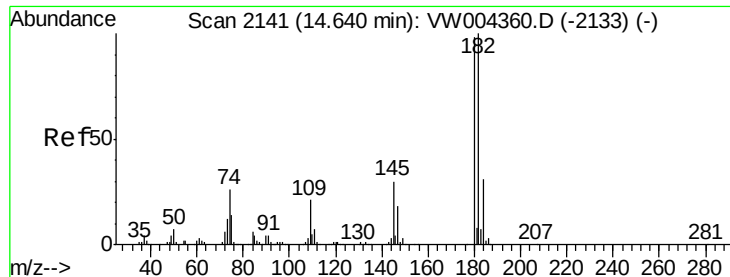


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

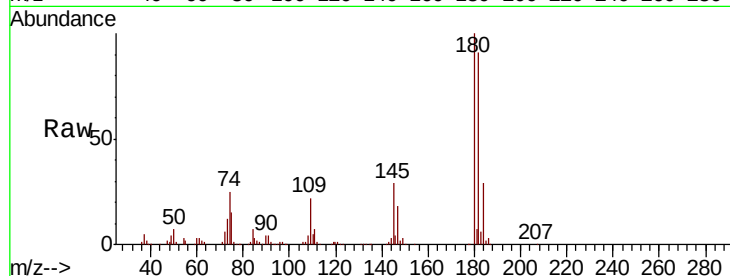




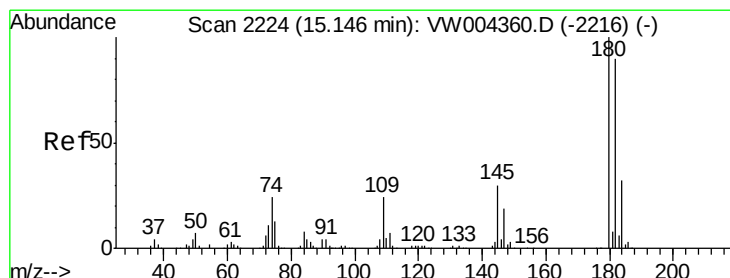
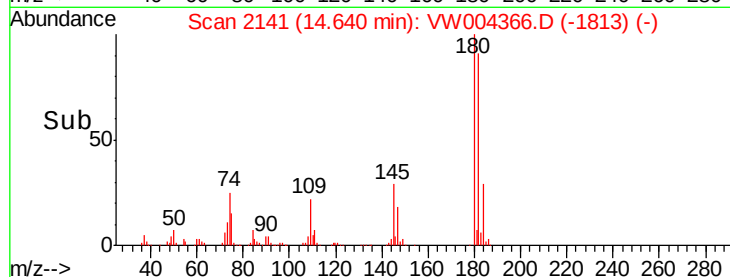
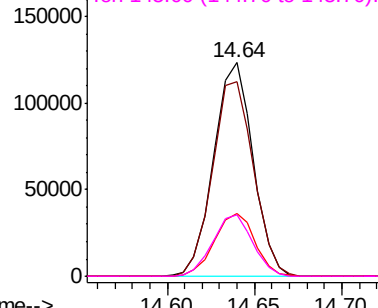
#67
 1,3,5-Trichlorobenzene
 Concen: 24.161 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004366.D
 Acq: 31 Jul 2018 19:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Tot Ion:180	Resp:	193238
Ion	Ratio	Lower Upper
180	100	
182	95.2	77.7 116.5
184	30.5	24.6 37.0
145	29.1	23.6 35.4

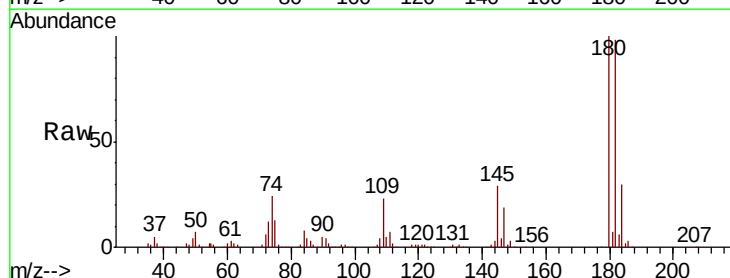


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

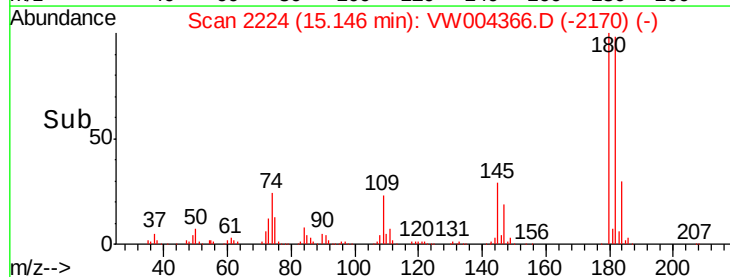
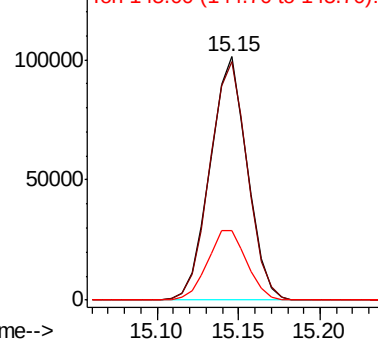


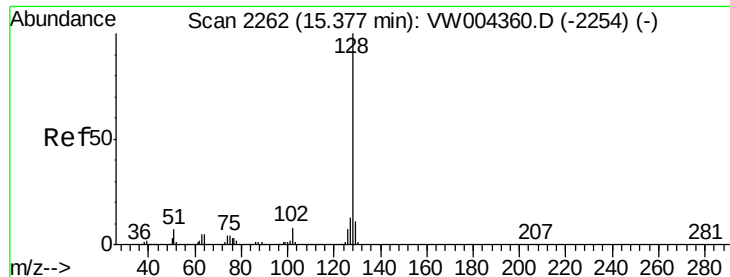
#68
 1,2,4-trichlorobenzene
 Concen: 23.676 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004366.D
 Acq: 31 Jul 2018 19:47

Tgt Ion:180	Resp:	160817
Ion	Ratio	Lower Upper
180	100	
182	99.1	75.5 113.3
145	30.2	24.2 36.2



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





#69

Naphthalene

Concen: 26.148 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

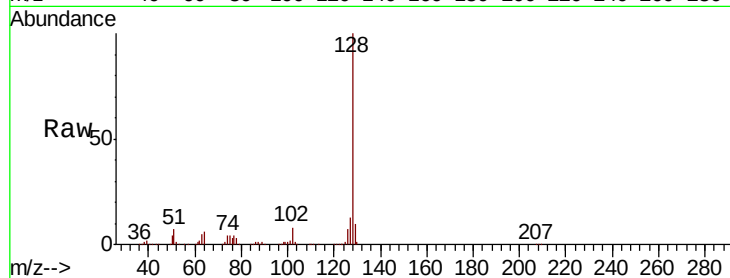
Tot Ion:128 Resp: 401377

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.2 10.4 15.6

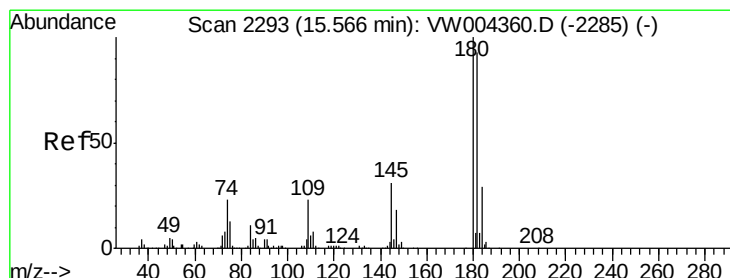
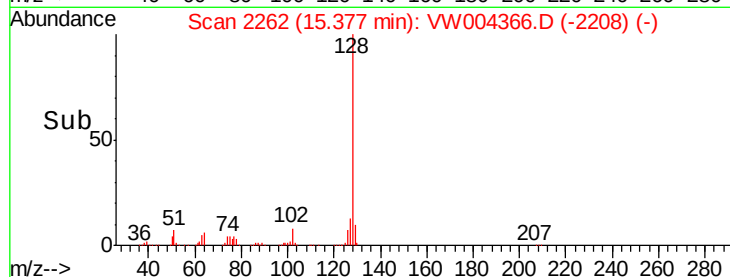
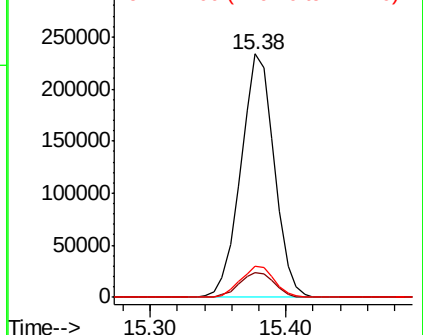


Abundance

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: 25.228 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004366.D

Acq: 31 Jul 2018 19:47

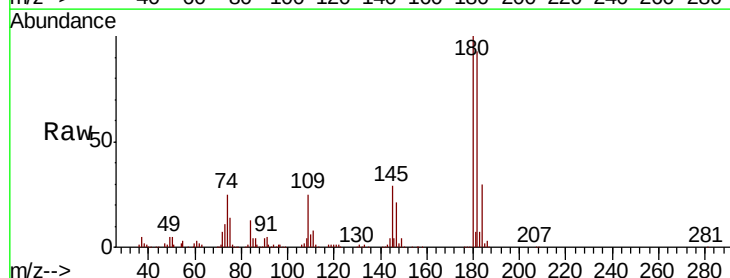
Tgt Ion:180 Resp: 158556

Ion Ratio Lower Upper

180 100

182 93.5 77.0 115.4

145 31.3 25.4 38.0



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

