

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW113018\
 Data File : VW007145.D
 Acq On : 30 Nov 2018 15:47
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

Quant Time: Nov 30 22:54:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 30 15:51:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	132920	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	127627	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	63012	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	28272	25.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.00%
7) Chloroethane-d5	2.89	69	19913	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.24%
10) 1,1-Dichloroethene-d2	4.02	63	76003	25.80	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.20%
20) 2-Butanone-d5	7.08	46	25894	56.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.10%
24) Chloroform-d	7.65	84	67290	24.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.68%
26) 1,2-Dichloroethane-d4	8.31	65	39081	24.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.00%
29) Benzene-d6	8.27	84	152434	25.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.56%
33) 1,2-Dichloropropane-d6	9.27	67	42334	24.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.48%
37) Toluene-d8	10.32	98	161800	25.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.88%
38) trans-1,3-Dichloropropene-	10.58	79	20833	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.12%
39) 2-Hexanone-d5	10.93	63	23850	58.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	42755	27.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	57671	24.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	67276	27.694 ug/L	99
3) Chloromethane	2.21	50	45221	26.652 ug/L	97
5) Vinyl chloride	2.36	62	42239	27.810 ug/L	96
6) Bromomethane	2.77	94	23562	27.041 ug/L	100
8) Chloroethane	2.92	64	21472	26.234 ug/L	96
9) Trichlorofluoromethane	3.26	101	76174	26.768 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	45848	27.301 ug/L	98
12) 1,1-Dichloroethene	4.04	96	40055	27.070 ug/L	97
13) Acetone	4.13	43	18245	56.869 ug/L	100
14) Carbon disulfide	4.39	76	145516	27.788 ug/L	100
15) Methyl Acetate	4.67	43	24018	30.192 ug/L	98
16) Methylene chloride	4.92	84	48426	22.789 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	103115	27.114 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	43658	26.685 ug/L	99
19) 1,1-Dichloroethane	6.22	63	72283	26.710 ug/L	98
21) 2-Butanone	7.17	43	29466	59.829 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	46068	26.333 ug/L	98

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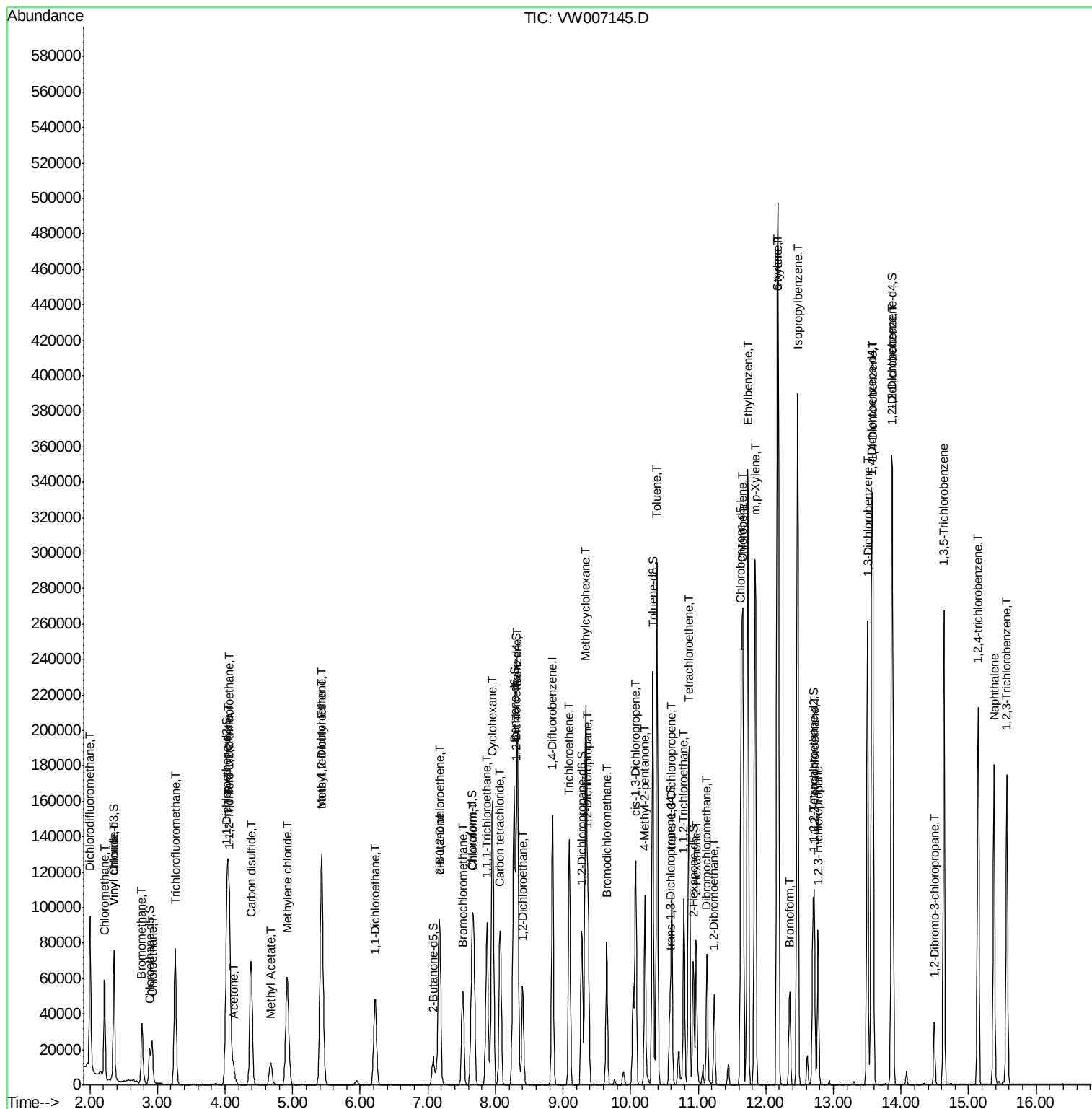
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	20030	26.313	ug/L	93
25) Chloroform	7.68	83	76610	26.092	ug/L	99
27) 1,2-Dichloroethane	8.40	62	51316	26.346	ug/L	100
30) Cyclohexane	7.96	56	79839	28.700	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	73683	27.881	ug/L	99
32) Carbon tetrachloride	8.07	117	66888	27.887	ug/L	98
34) Benzene	8.32	78	177819	26.887	ug/L	100
35) Trichloroethene	9.09	95	47661	26.580	ug/L	99
36) Methylcyclohexane	9.34	83	92653	27.828	ug/L	99
40) 1,2-Dichloropropane	9.37	63	41434	26.119	ug/L	100
41) Bromodichloromethane	9.65	83	54834	26.402	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	65028	25.809	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	68889	58.686	ug/L	99
44) Toluene	10.39	91	211638	26.707	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	58491	26.423	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	33210	26.584	ug/L	95
47) Tetrachloroethene	10.87	164	42341	27.031	ug/L	96
49) 2-Hexanone	10.97	43	50037	62.971	ug/L	99
50) Dibromochloromethane	11.13	129	39935	26.245	ug/L	98
51) 1,2-Dibromoethane	11.24	107	34614	27.343	ug/L #	95
52) Chlorobenzene	11.66	112	137251	26.271	ug/L	96
53) Ethylbenzene	11.73	91	249754	27.185	ug/L	99
54) m,p-Xylene	11.84	106	96648	26.961	ug/L	100
55) o-xylene	12.17	106	89666	26.972	ug/L	94
56) Styrene	12.18	104	152910	27.200	ug/L	100
57) Isopropylbenzene	12.47	105	254007	27.478	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	45883	28.903	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	36772	29.639	ug/L	98
62) Bromoform	12.35	173	24307	28.172	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	110672	26.690	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	110357	26.460	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	102030	26.890	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	9246	30.049	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	79821	25.632	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	65398	24.703	ug/L	98
69) Naphthalene	15.38	128	157456	27.934	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	60224	26.070	ug/L	99

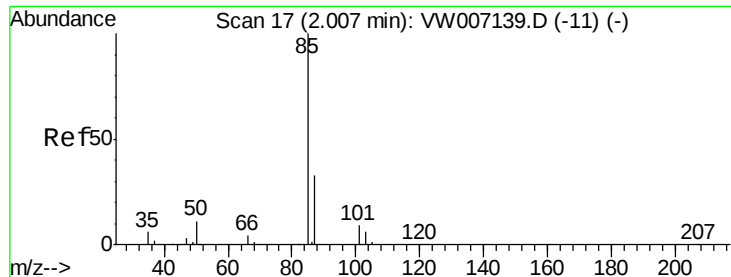
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.694 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampled :

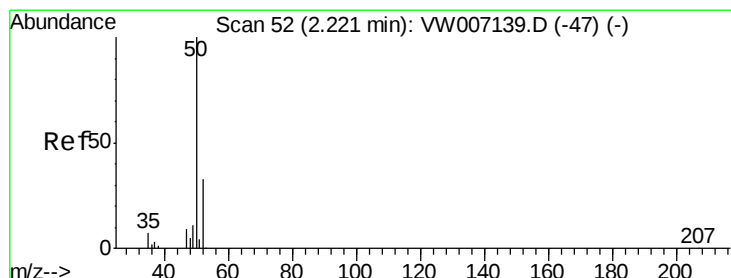
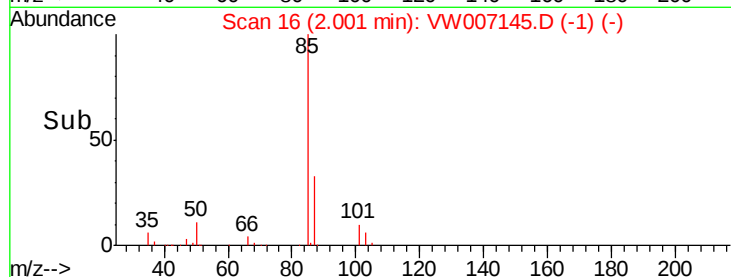
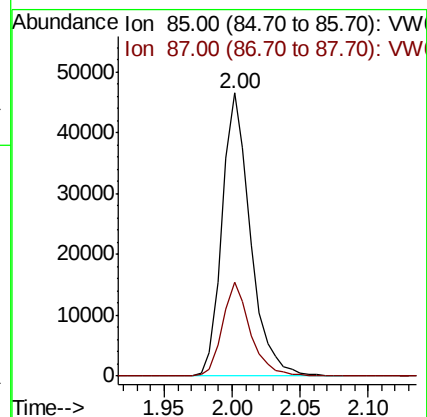
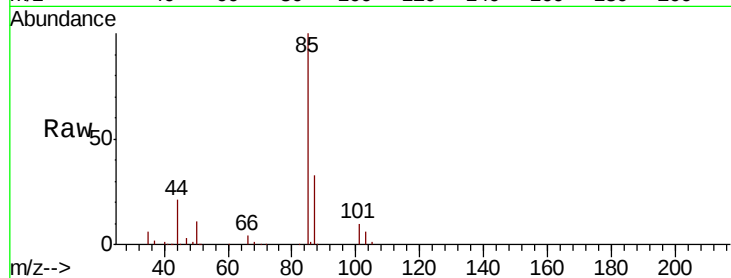
VICV88

Tgt Ion: 85 Resp: 67276

Ion Ratio Lower Upper

85 100

87 32.5 22.5 41.9



#3

Chloromethane

Concen: 26.652 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007145.D

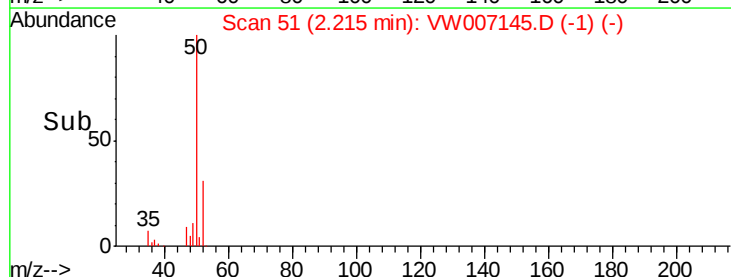
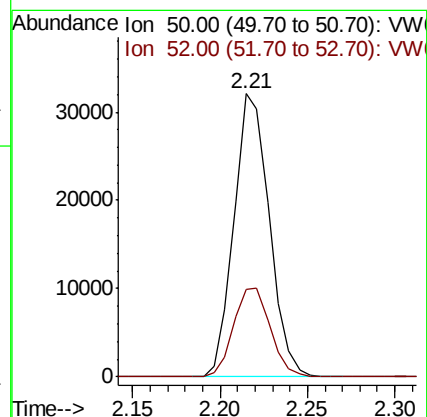
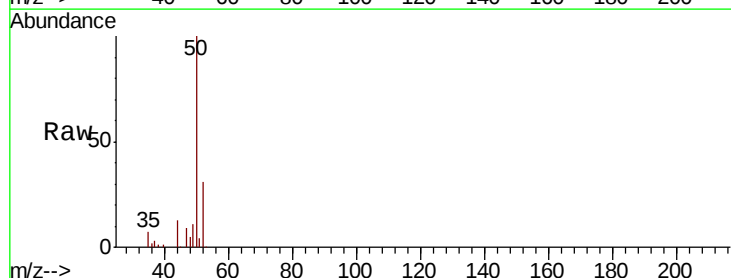
Acq: 30 Nov 2018 15:47

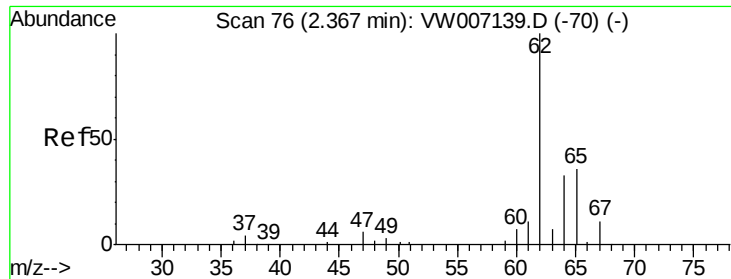
Tgt Ion: 50 Resp: 45221

Ion Ratio Lower Upper

50 100

52 30.9 23.0 42.6





#5

Vinyl chloride

Concen: 27.810 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampled :

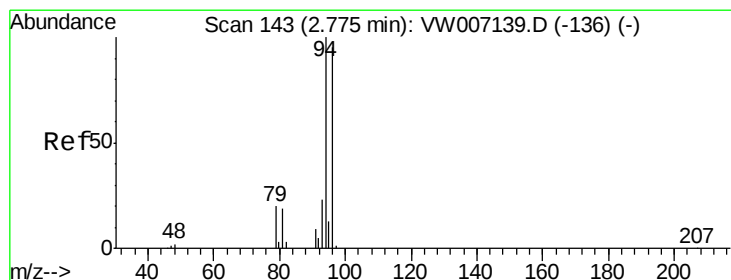
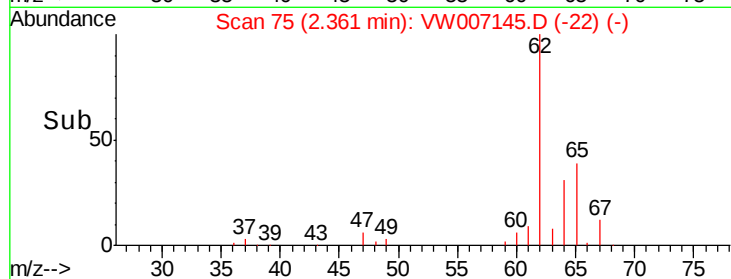
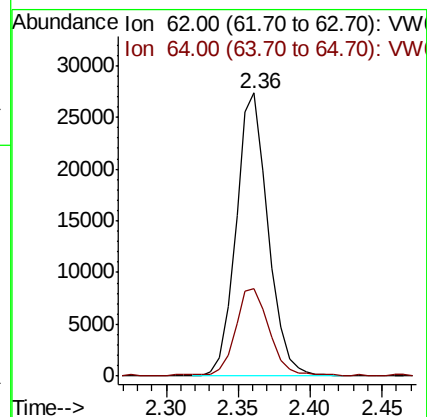
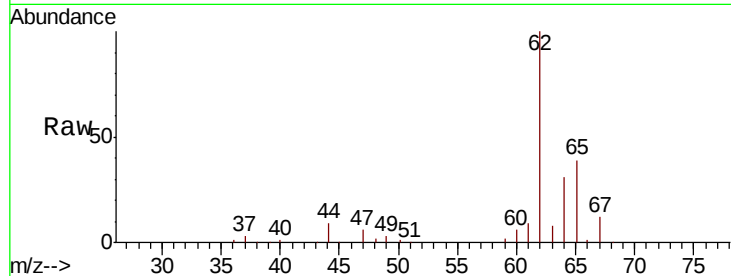
VICV88

Tgt Ion: 62 Resp: 42239

Ion Ratio Lower Upper

62 100

64 31.1 23.5 43.7



#6

Bromomethane

Concen: 27.041 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW007145.D

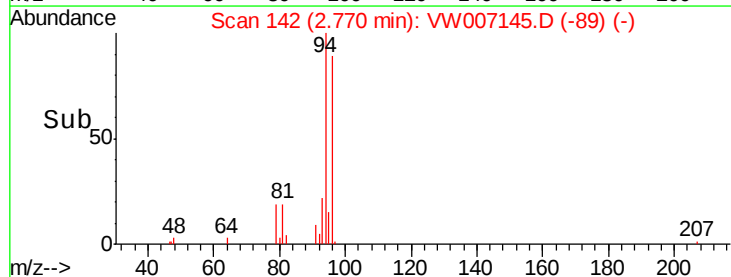
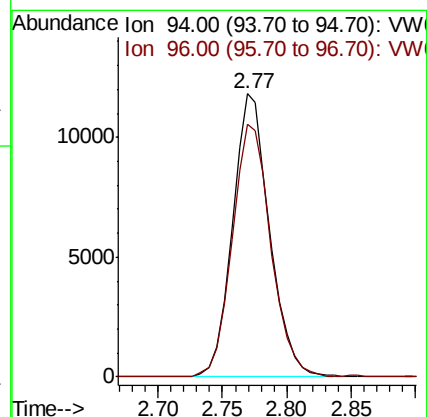
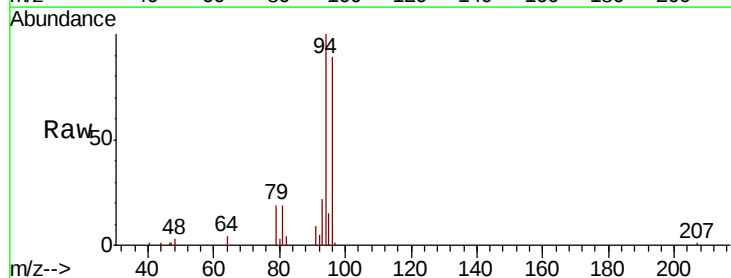
Acq: 30 Nov 2018 15:47

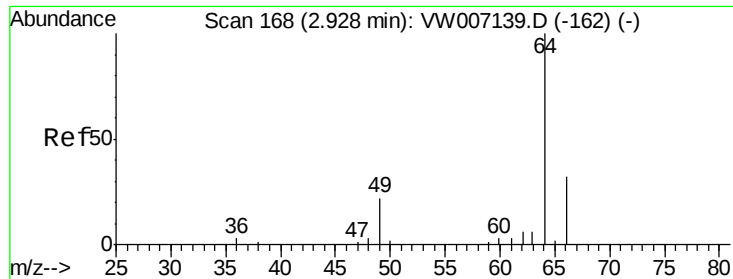
Tgt Ion: 94 Resp: 23562

Ion Ratio Lower Upper

94 100

96 93.1 9.3 176.7

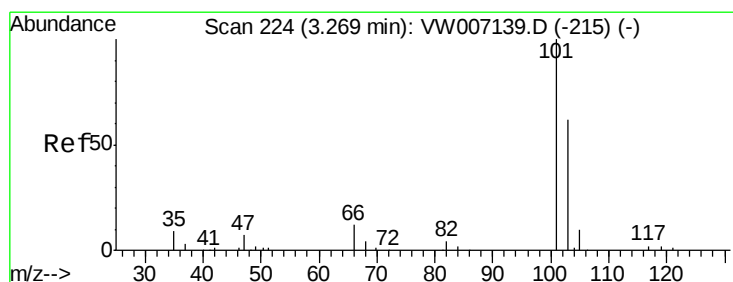
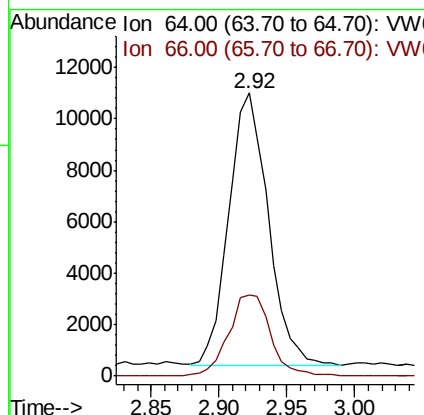
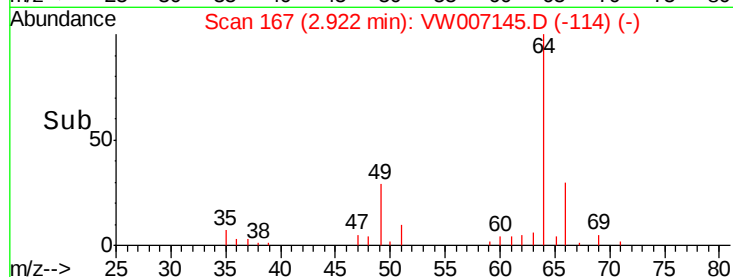
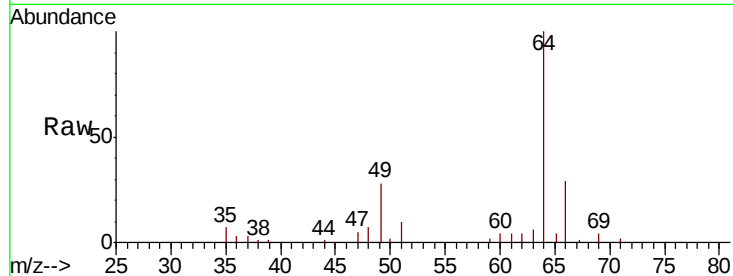




#8
Chloroethane
Concen: 26.234 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

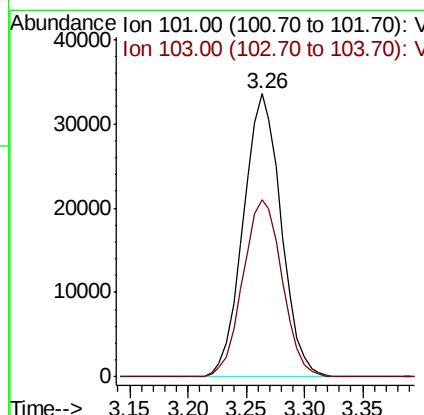
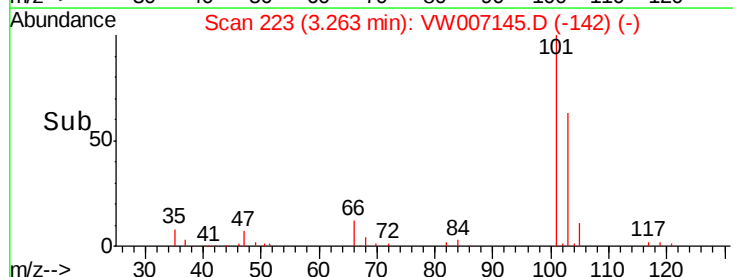
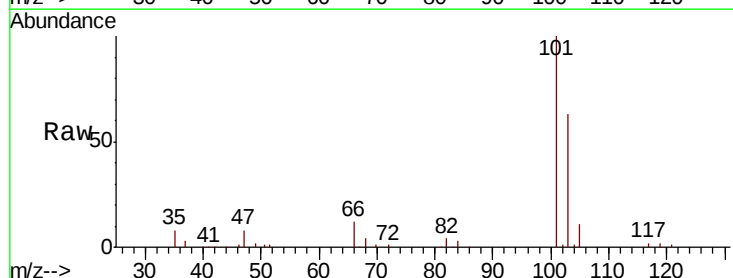
Instrument :
MSVOA_W
ClientSampled :
VICV88

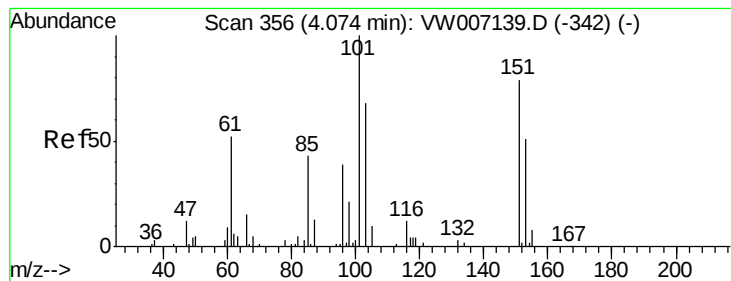
Tgt Ion: 64 Resp: 21472
Ion Ratio Lower Upper
64 100
66 28.6 21.4 39.8



#9
Trichlorofluoromethane
Concen: 26.768 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

Tgt Ion: 101 Resp: 76174
Ion Ratio Lower Upper
101 100
103 64.9 44.4 82.4





#11

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

Concen: 27.301 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VICV88

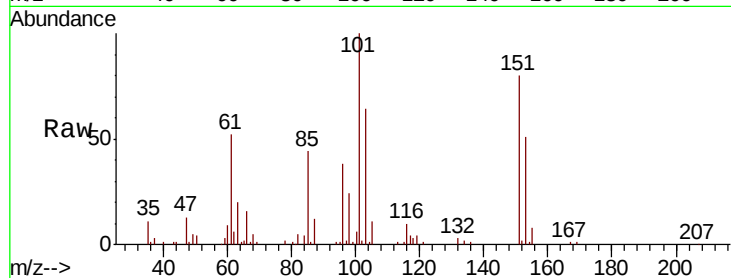
Tgt Ion: 101 Resp: 45848

Ion Ratio Lower Upper

101 100

85 42.2 34.8 52.2

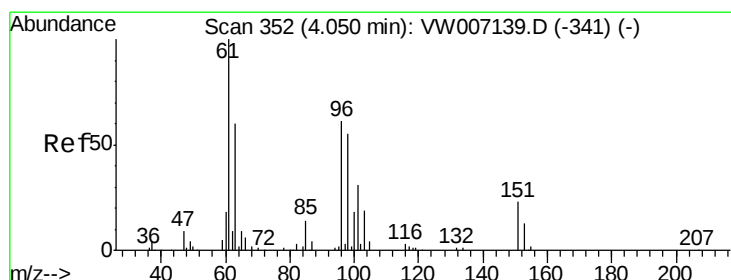
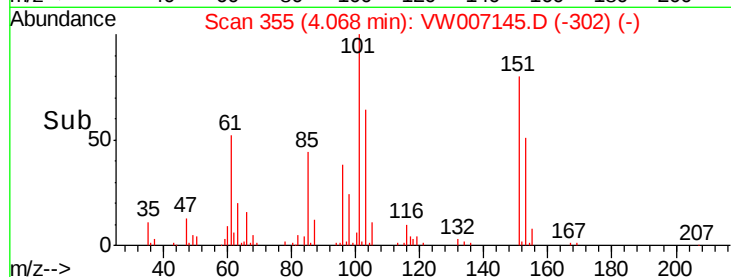
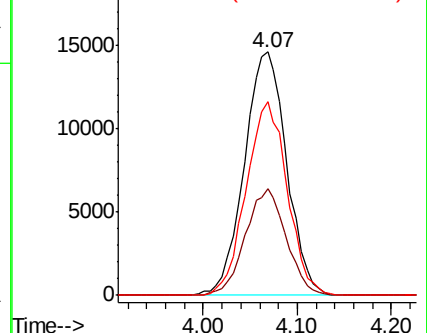
151 77.3 62.8 94.2



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: 27.070 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

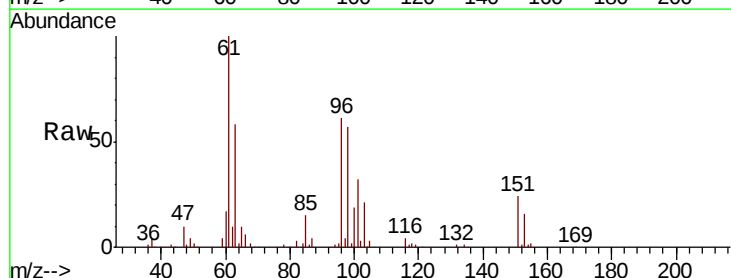
Tgt Ion: 96 Resp: 40055

Ion Ratio Lower Upper

96 100

61 164.4 114.9 213.5

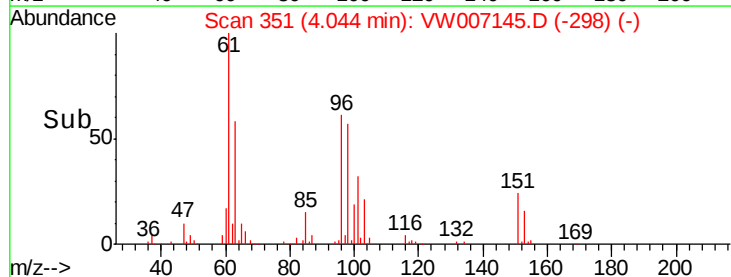
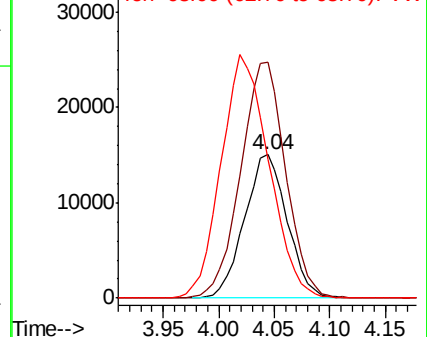
63 96.2 73.1 135.7

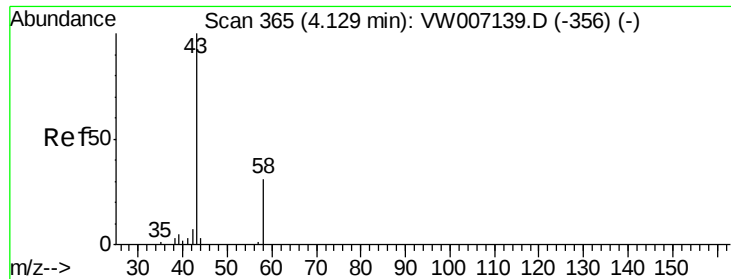


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.869 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW007145.D

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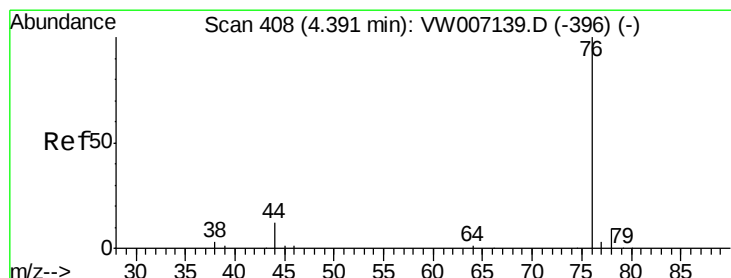
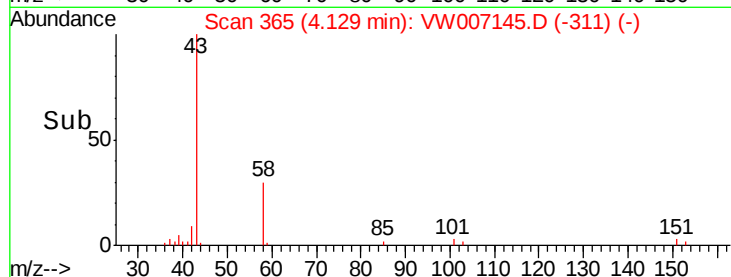
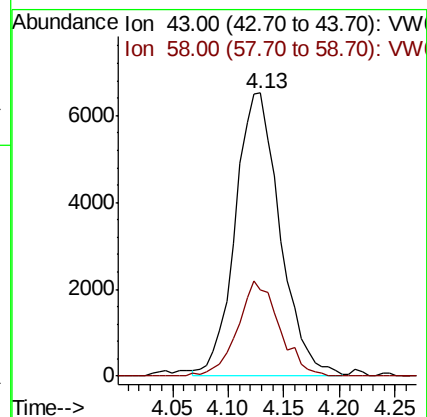
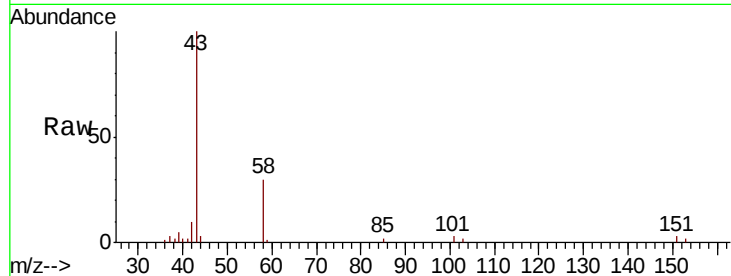
VICV88

Tgt Ion: 43 Resp: 18245

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.4



#14

Carbon disulfide

Concen: 27.788 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW007145.D

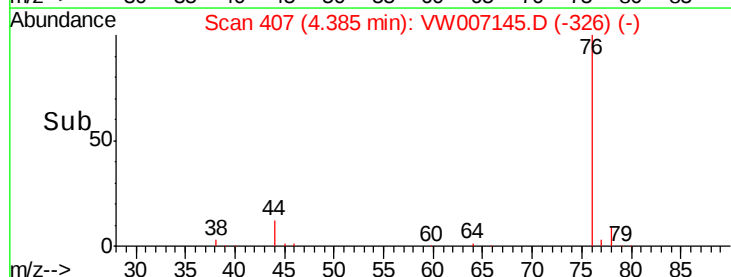
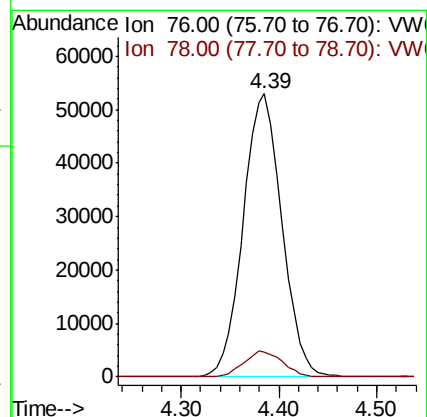
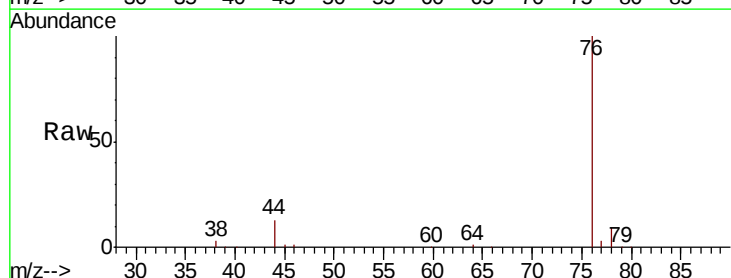
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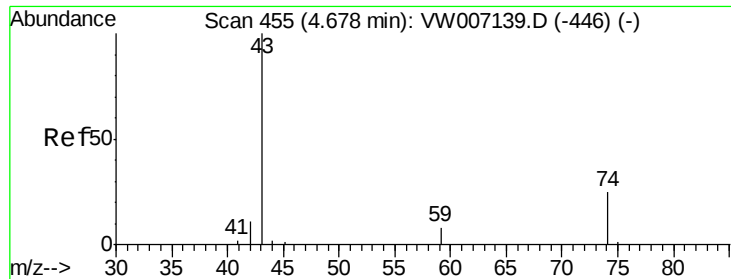
Tgt Ion: 76 Resp: 145516

Ion Ratio Lower Upper

76 100

78 8.7 6.9 10.3

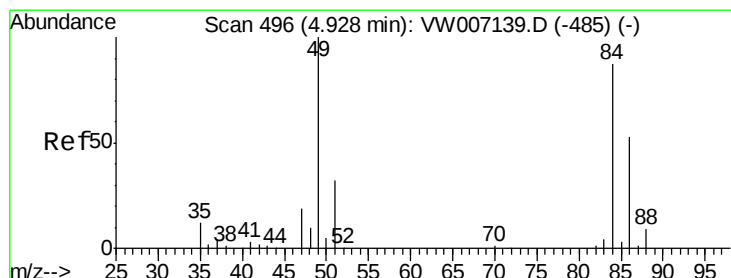
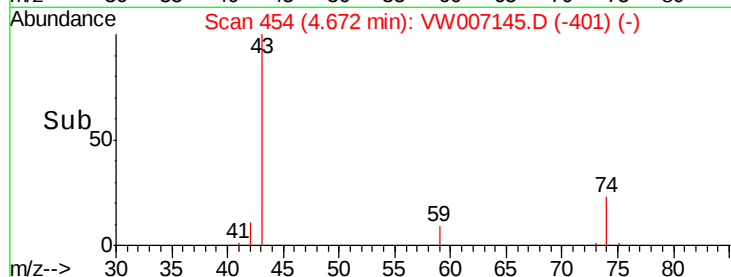
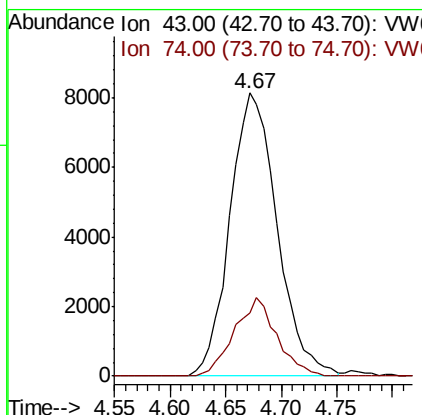
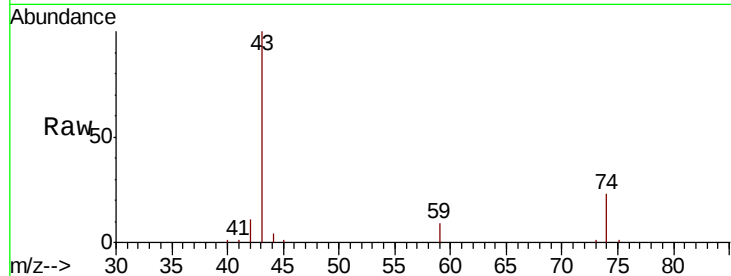




#15
Methyl Acetate
Concen: 30.192 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

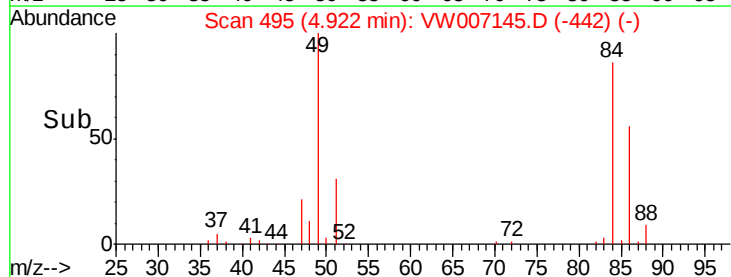
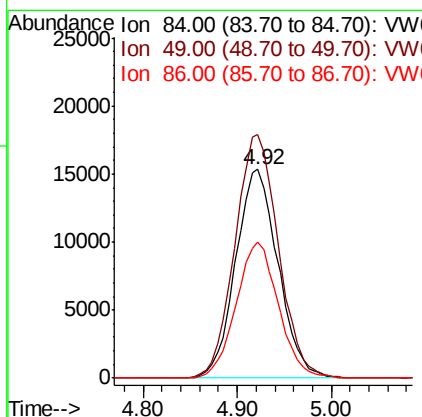
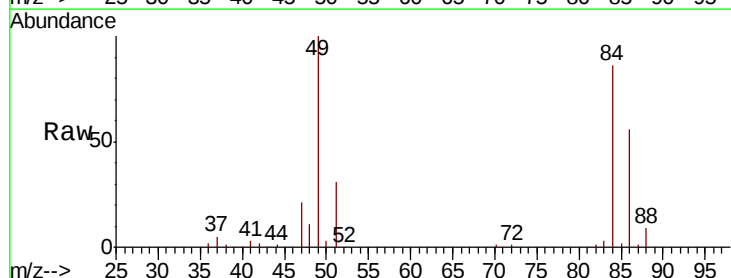
Instrument :
MSVOA_W
ClientSampleId :
VICV88

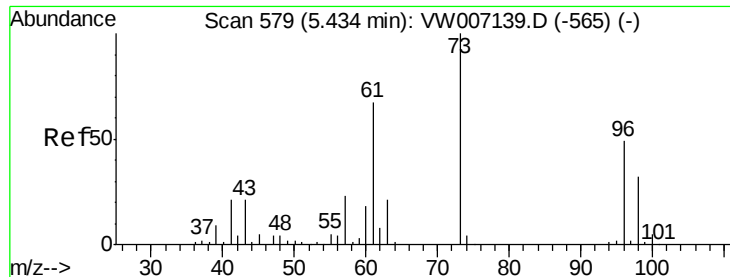
Tgt Ion: 43 Resp: 24018
Ion Ratio Lower Upper
43 100
74 24.9 19.3 28.9



#16
Methylene chloride
Concen: 22.789 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

Tgt Ion: 84 Resp: 48426
Ion Ratio Lower Upper
84 100
49 116.6 80.9 150.3
86 65.4 42.8 79.6

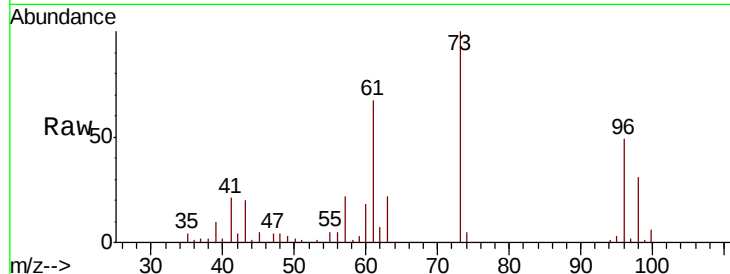




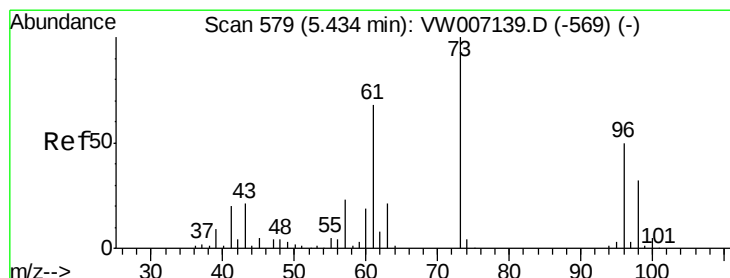
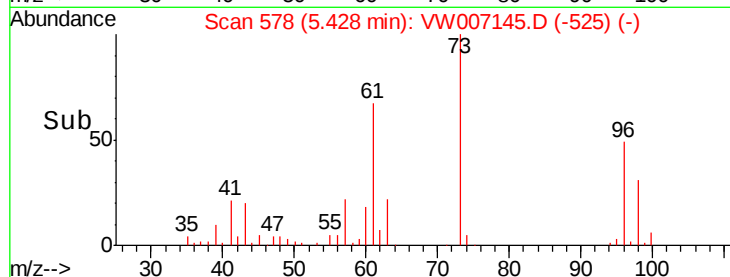
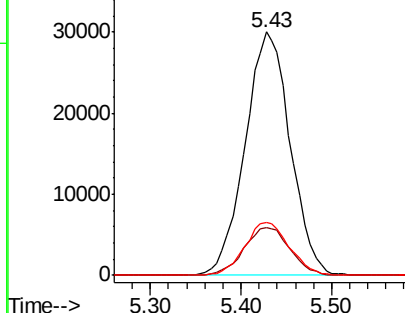
#17
Methyl tert-butyl Ether
Concen: 27.114 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

Instrument :
MSVOA_W
ClientSampled :
VICV88

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.2	16.3	24.5
57	21.4	17.4	26.0

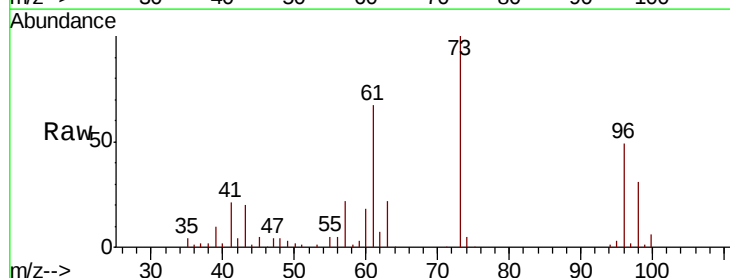


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

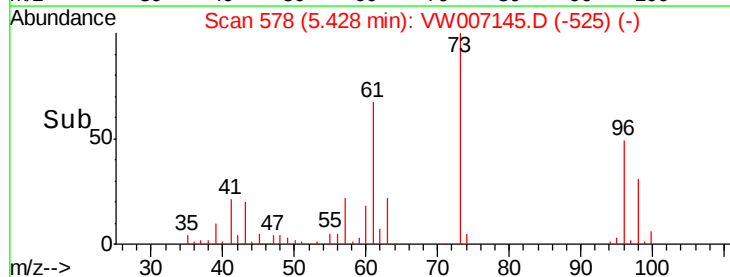
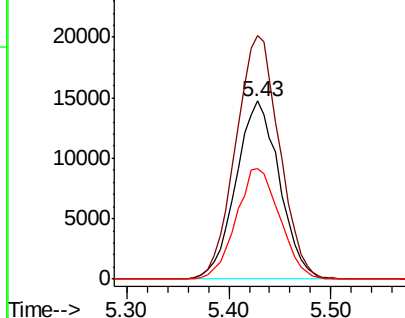


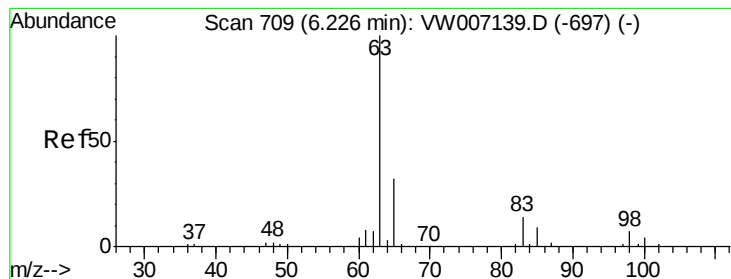
#18
trans-1,2-Dichloroethene
Concen: 26.685 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.6	94.8	176.2
98	62.2	44.9	83.5



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: 26.710 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VICV88

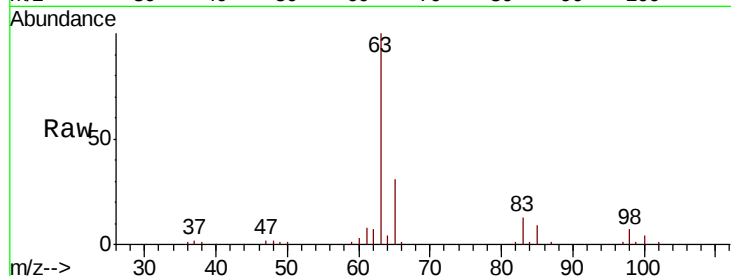
Tgt Ion: 63 Resp: 72283

Ion Ratio Lower Upper

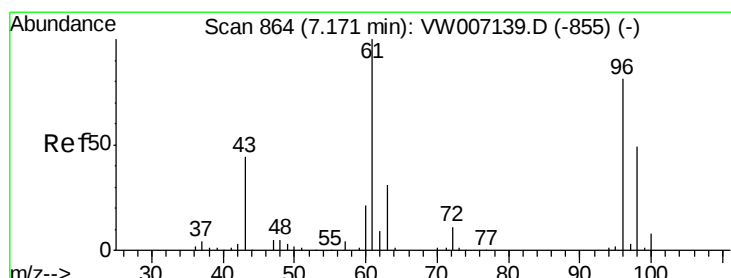
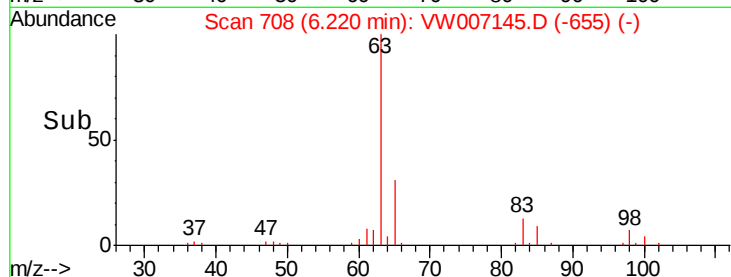
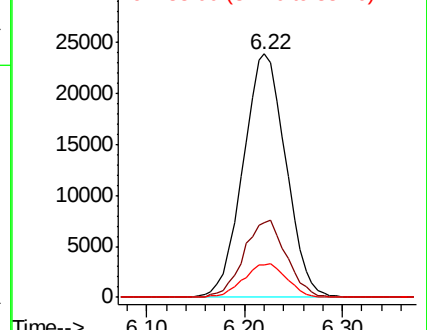
63 100

65 30.5 22.4 41.6

83 13.4 9.7 17.9



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



#21

2-Butanone

Concen: 59.829 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007145.D

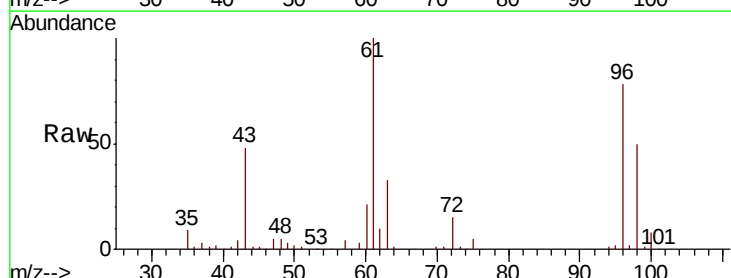
Acq: 30 Nov 2018 15:47

Tgt Ion: 43 Resp: 29466

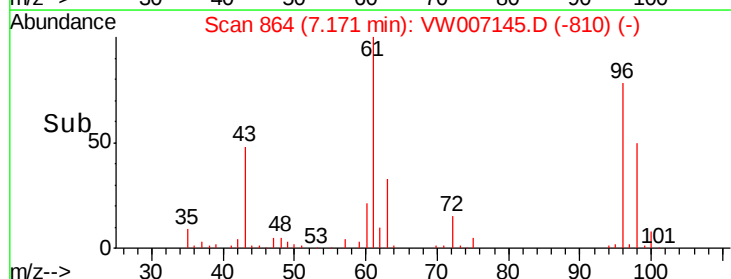
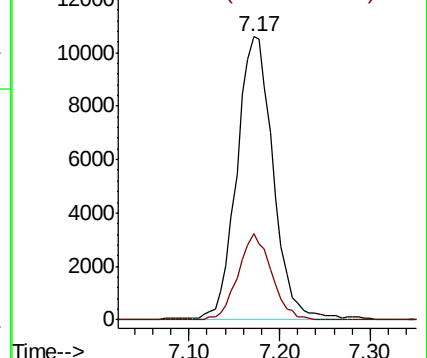
Ion Ratio Lower Upper

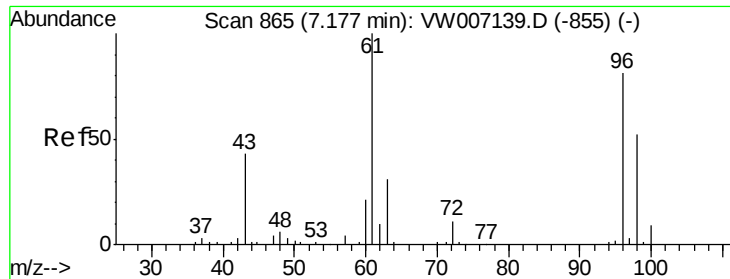
43 100

72 27.8 13.5 40.5



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



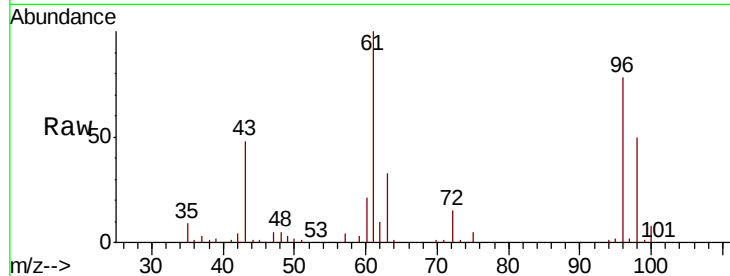


#22

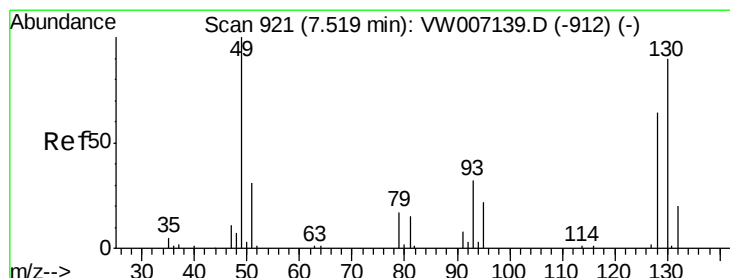
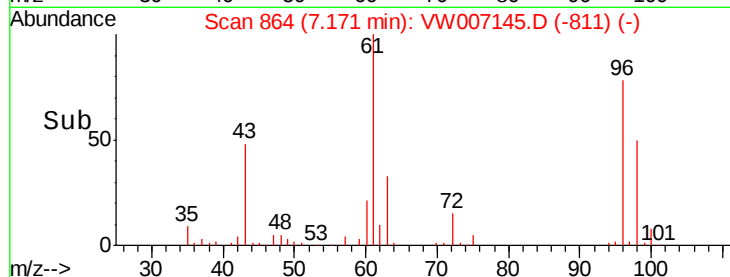
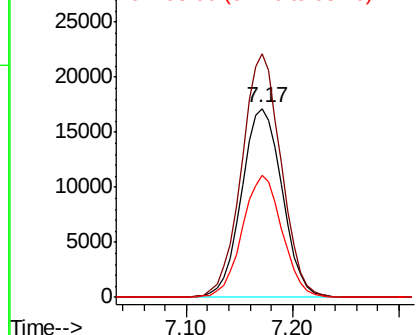
cis-1,2-Dichloroethene
Concen: 26.333 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VICV88

Tgt Ion: 96 Resp: 46068
Ion Ratio Lower Upper
96 100
61 128.8 87.3 162.1
98 64.7 45.2 84.0



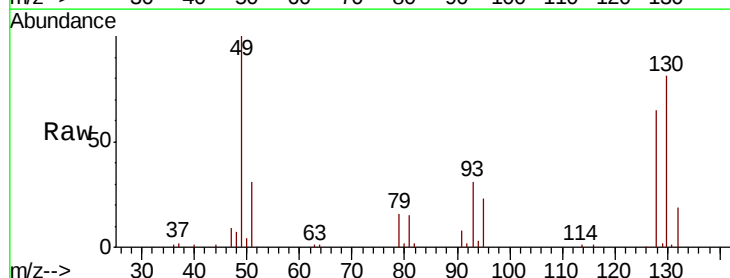
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



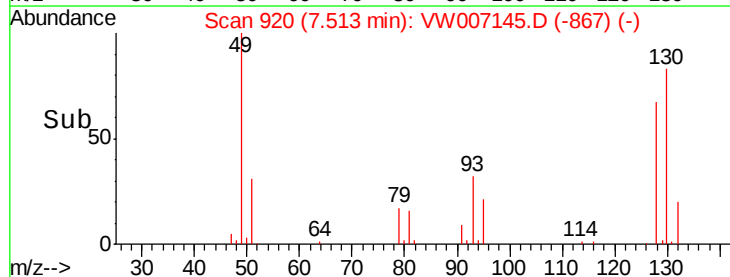
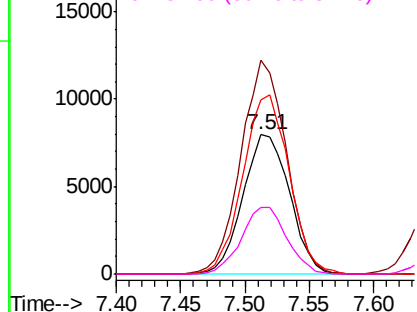
#23

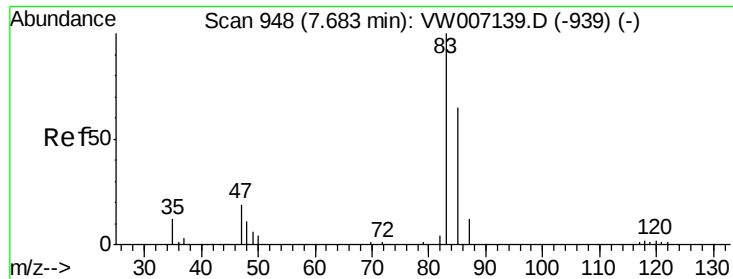
Bromochloromethane
Concen: 26.313 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

Tgt Ion: 128 Resp: 20030
Ion Ratio Lower Upper
128 100
49 153.7 109.9 204.1
130 124.9 98.2 182.4
51 47.6 39.0 58.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

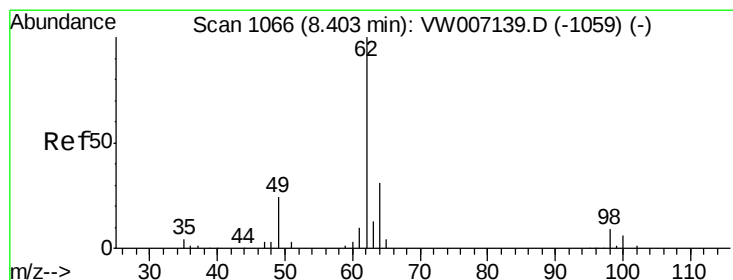
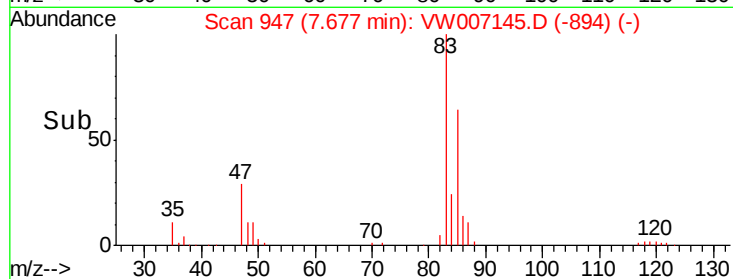
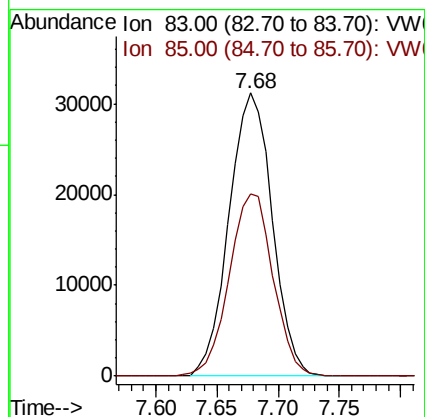
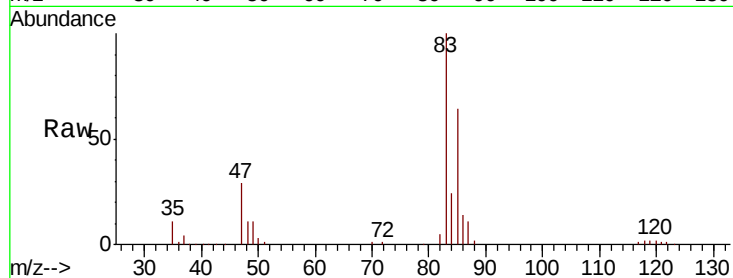




#25
Chloroform
Concen: 26.092 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

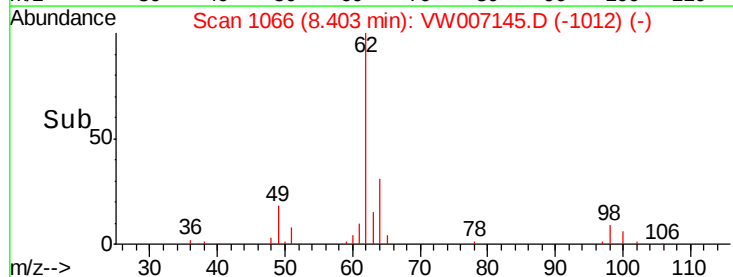
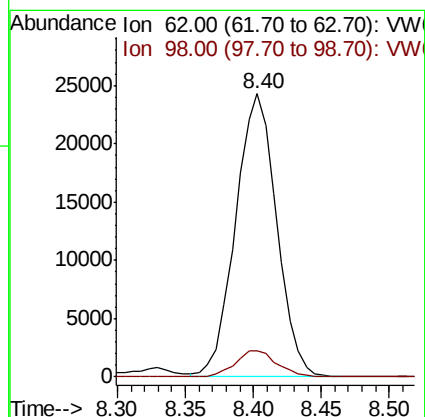
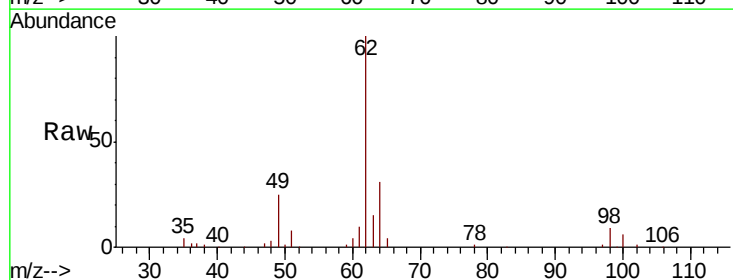
Instrument :
MSVOA_W
ClientSampleId :
VICV88

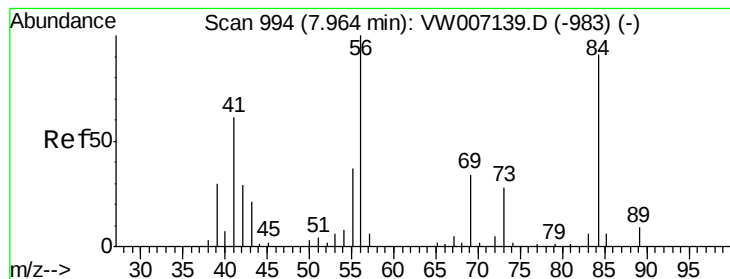
Tgt Ion: 83 Resp: 76610
Ion Ratio Lower Upper
83 100
85 65.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 26.346 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

Tgt Ion: 62 Resp: 51316
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2





#30

Cyclohexane

Concen: 28.700 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VICV88

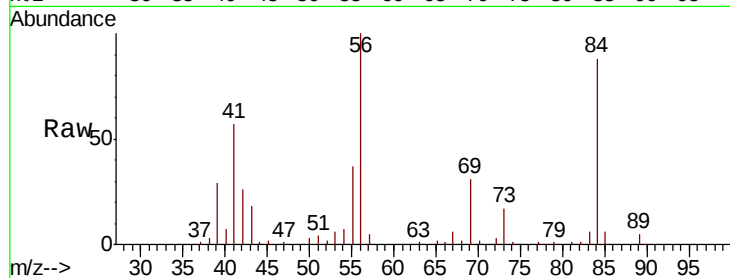
Tgt Ion: 56 Resp: 79839

Ion Ratio Lower Upper

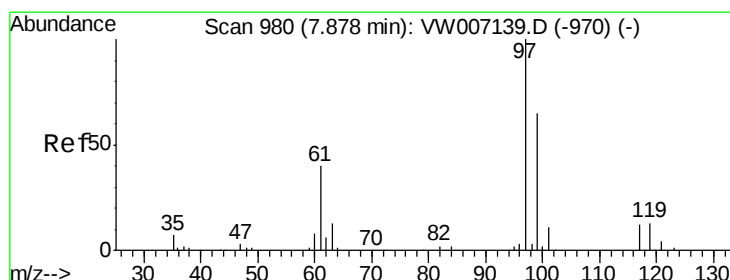
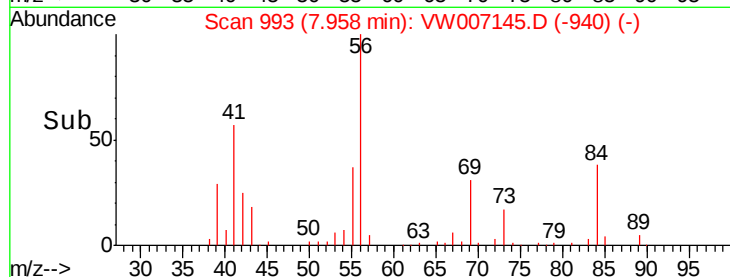
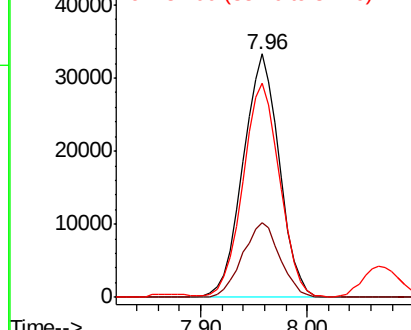
56 100

69 31.6 26.1 39.1

84 88.9 73.0 109.4



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



#31

1,1,1-Trichloroethane

Concen: 27.881 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

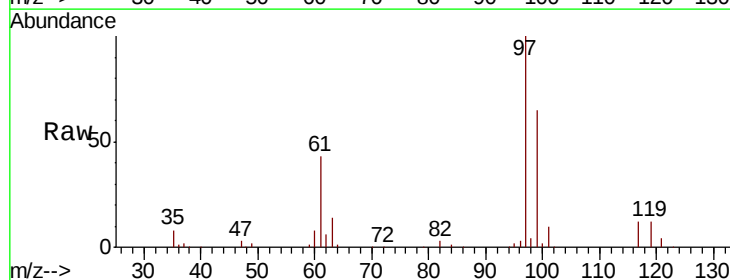
Tgt Ion: 97 Resp: 73683

Ion Ratio Lower Upper

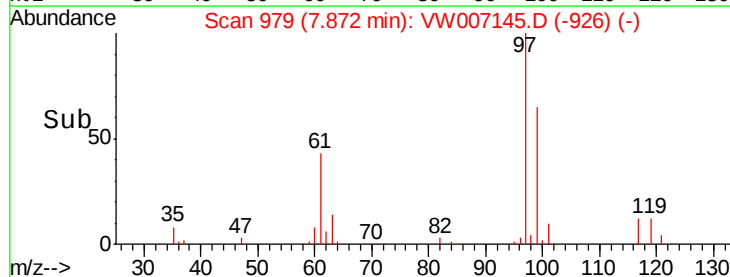
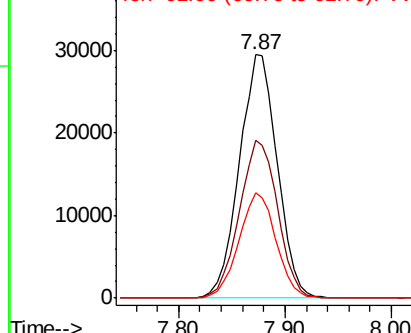
97 100

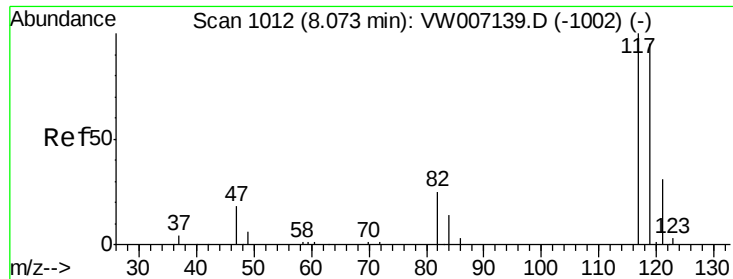
99 65.3 51.9 77.9

61 42.3 33.4 50.0



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





#32

Carbon tetrachloride

Concen: 27.887 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

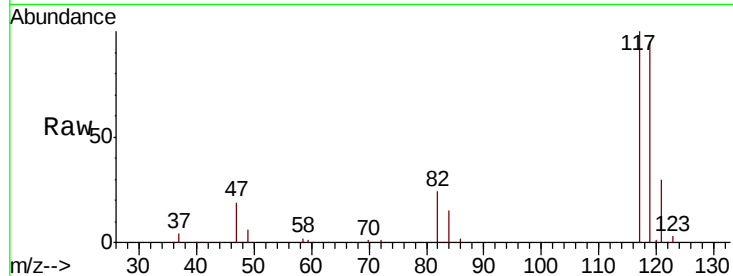
VICV88

Tgt Ion:117 Resp: 66888

Ion Ratio Lower Upper

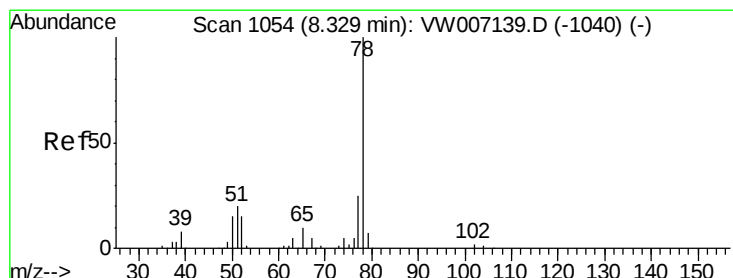
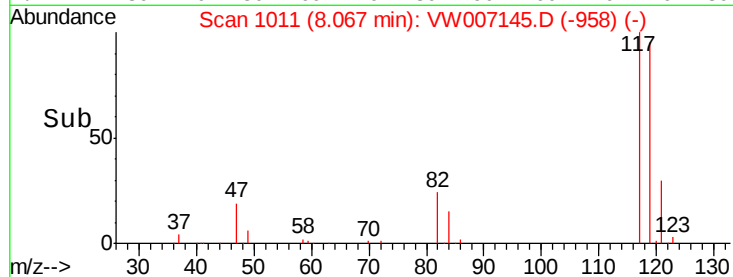
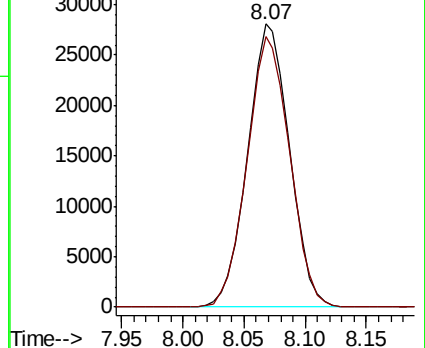
117 100

119 96.6 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.887 ug/L

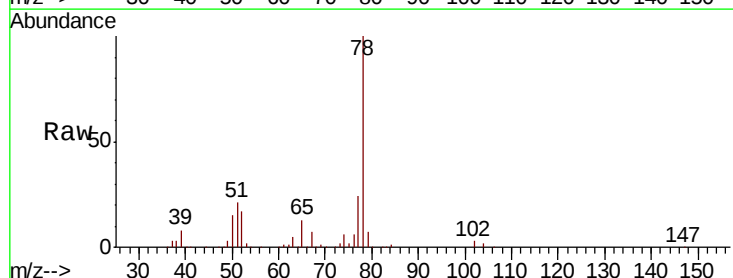
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

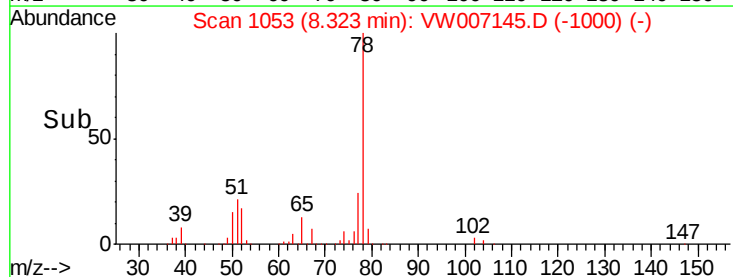
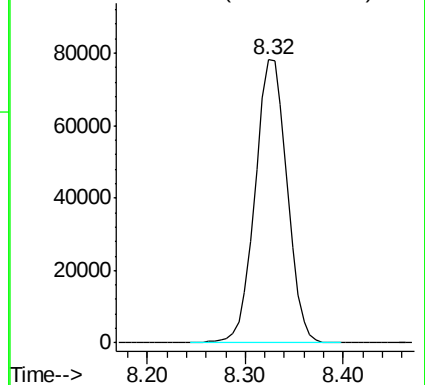
Lab File: VW007145.D

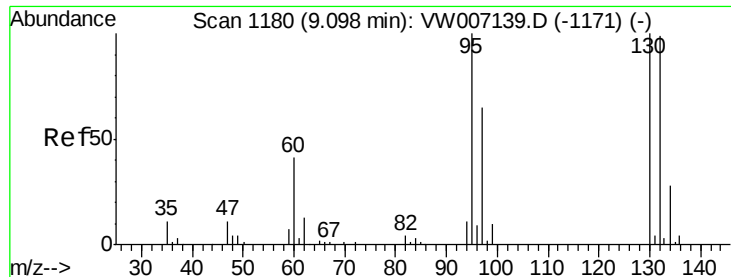
Acq: 30 Nov 2018 15:47

Tgt Ion: 78 Resp: 177819



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.580 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampled :

VICV88

Tgt Ion: 95 Resp: 47661

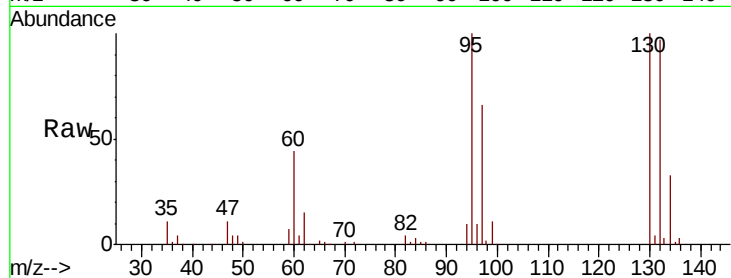
Ion Ratio Lower Upper

95 100

97 65.1 44.7 83.1

132 97.2 68.2 126.6

130 100.4 70.9 131.7

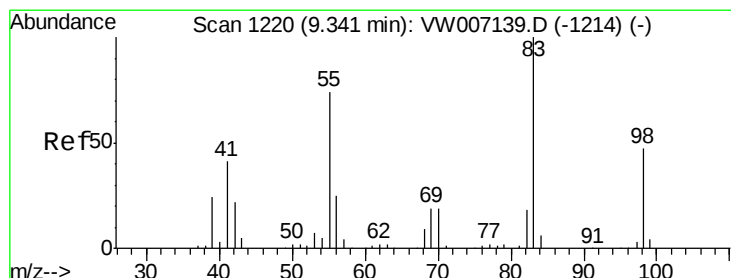
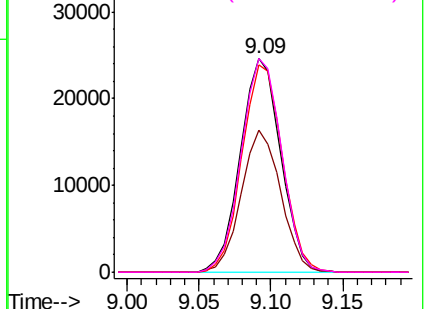
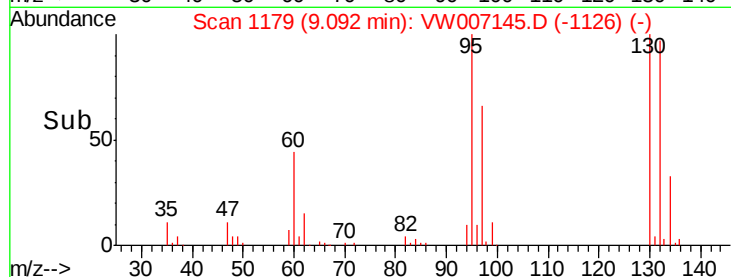


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 27.828 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

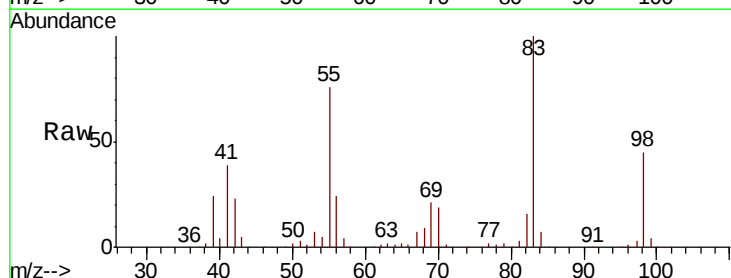
Tgt Ion: 83 Resp: 92653

Ion Ratio Lower Upper

83 100

55 75.2 60.2 90.4

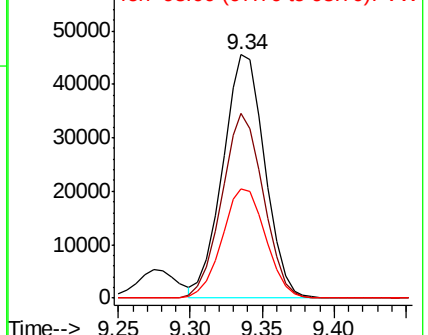
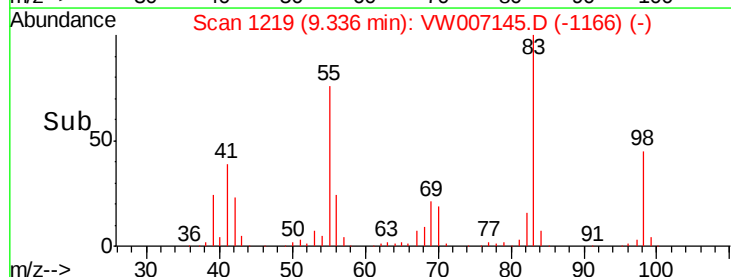
98 46.6 38.8 58.2

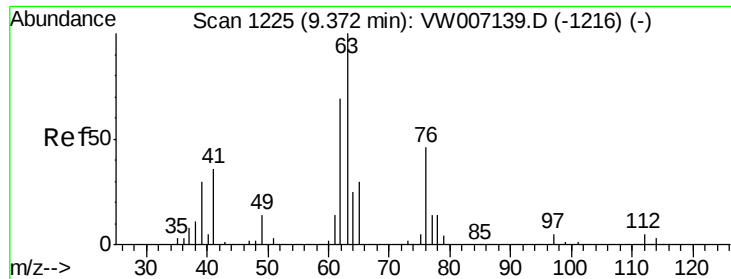


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

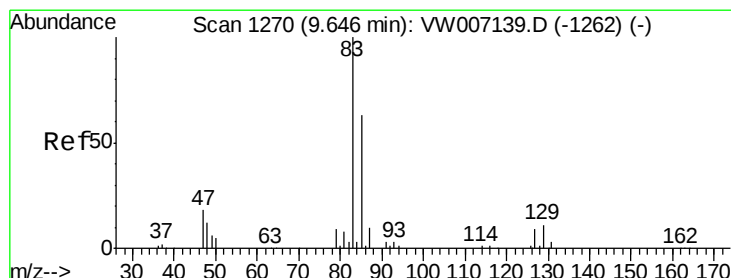
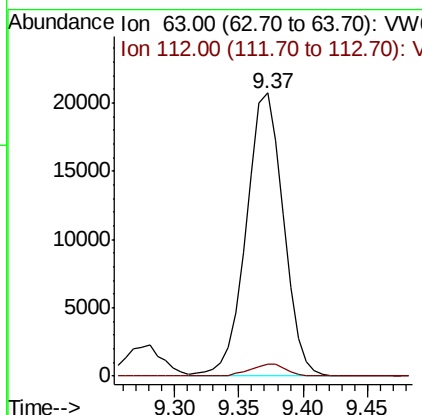
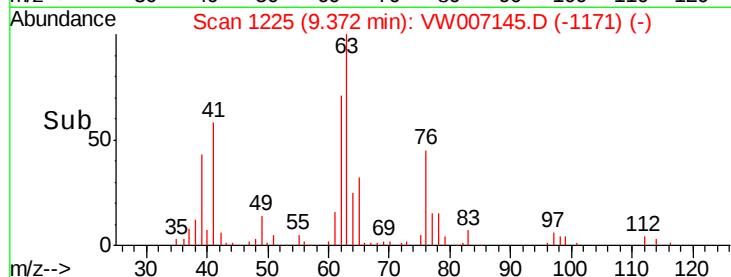
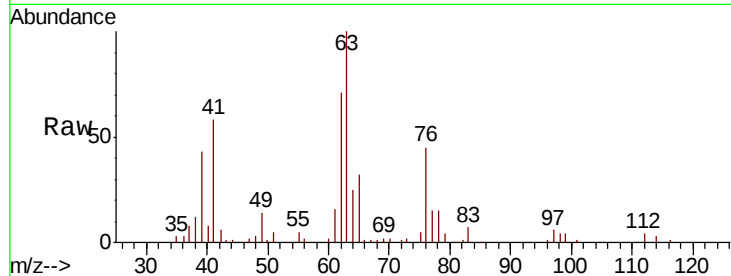




#40
 1,2-Dichloropropane
 Concen: 26.119 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007145.D
 Acq: 30 Nov 2018 15:47

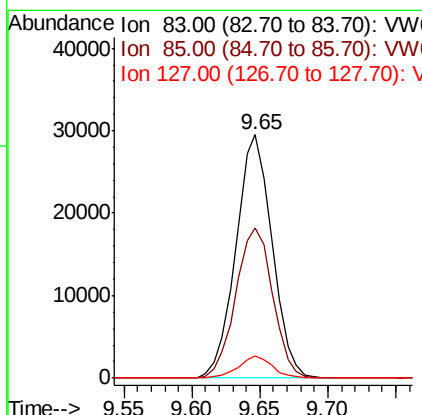
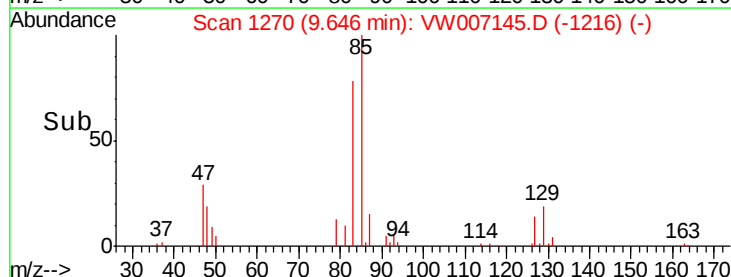
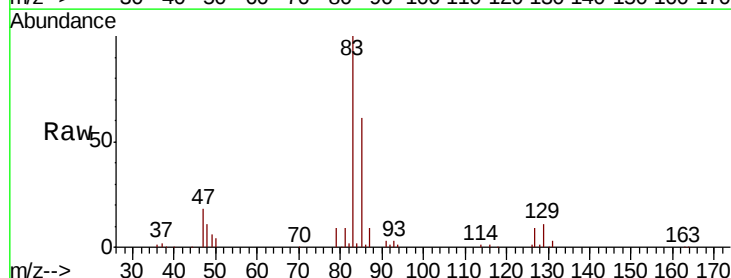
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

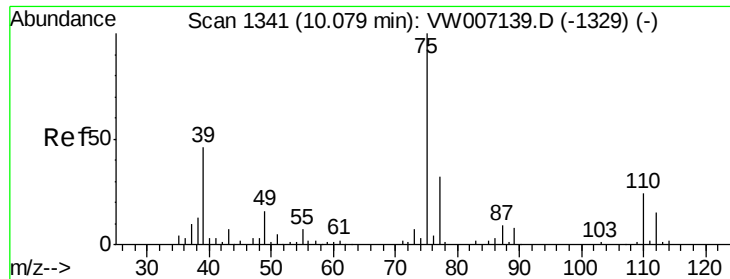
Tgt Ion: 63 Resp: 41434
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#41
 Bromodichloromethane
 Concen: 26.402 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007145.D
 Acq: 30 Nov 2018 15:47

Tgt Ion: 83 Resp: 54834
 Ion Ratio Lower Upper
 83 100
 85 61.5 43.9 81.5
 127 8.9 7.1 10.7





#42

cis-1,3-Dichloropropene

Concen: 25.809 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampled :

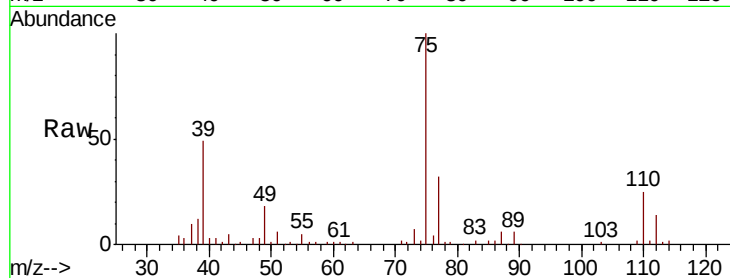
VICV88

Tgt Ion: 75 Resp: 65028

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

40000

30000

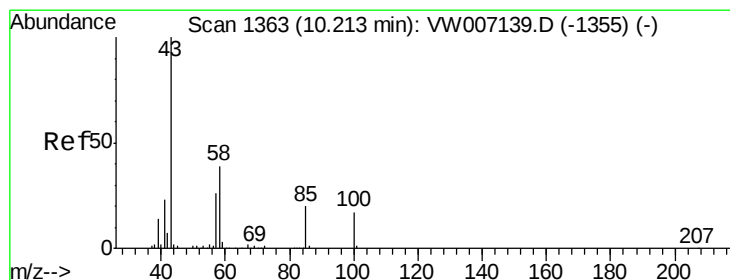
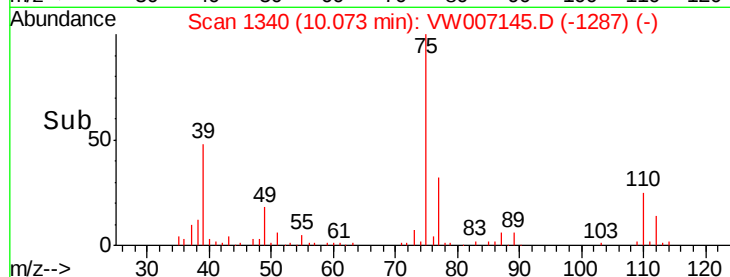
20000

10000

0

10.00 10.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 58.686 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

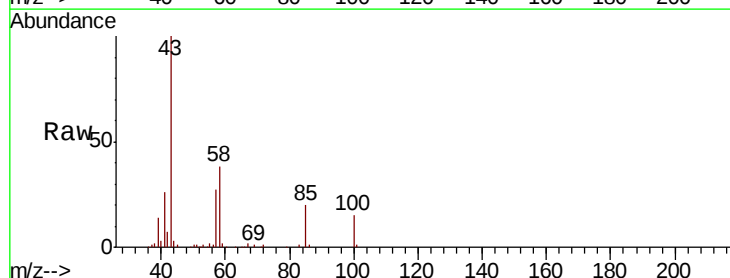
Tgt Ion: 43 Resp: 68889

Ion Ratio Lower Upper

43 100

58 38.6 31.4 47.2

100 16.3 13.1 19.7



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

80000

60000

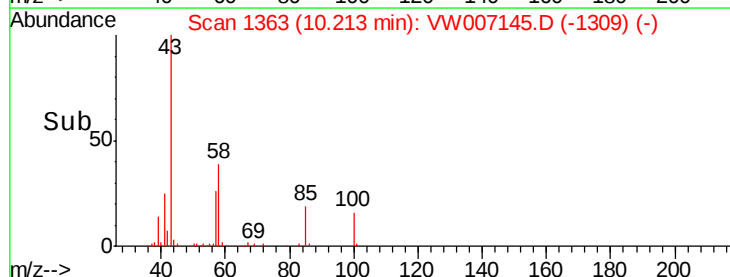
40000

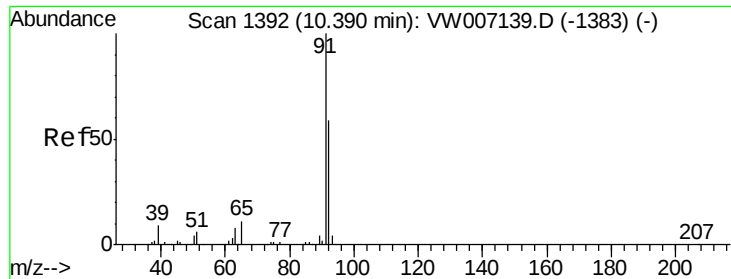
20000

0

10.20 10.30

Time-->





#44

Toluene

Concen: 26.707 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

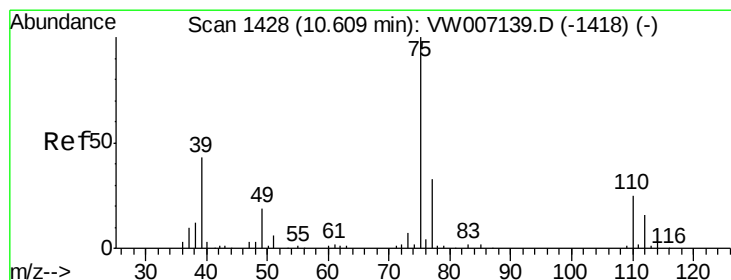
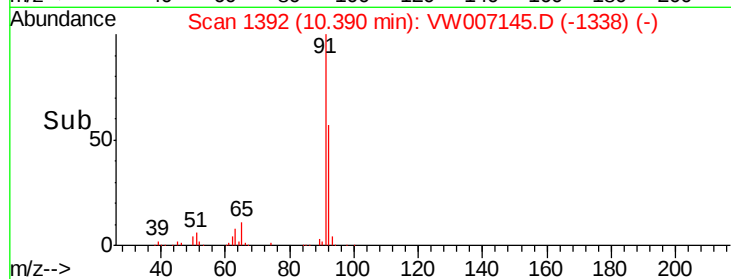
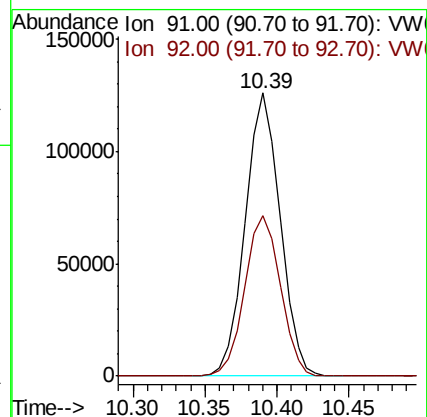
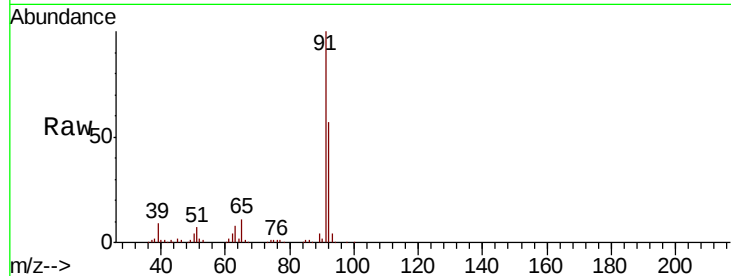
VICV88

Tgt Ion: 91 Resp: 211638

Ion Ratio Lower Upper

91 100

92 56.6 41.2 76.6



#45

trans-1,3-Dichloropropene

Concen: 26.423 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007145.D

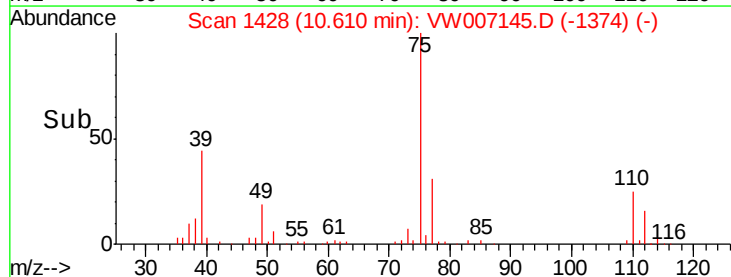
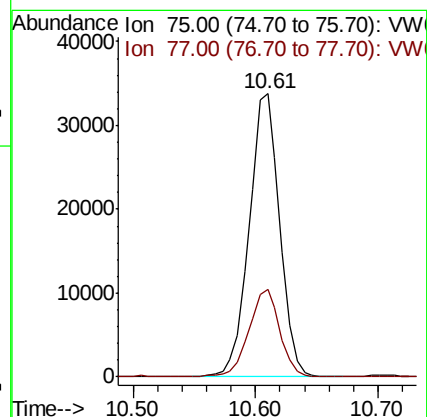
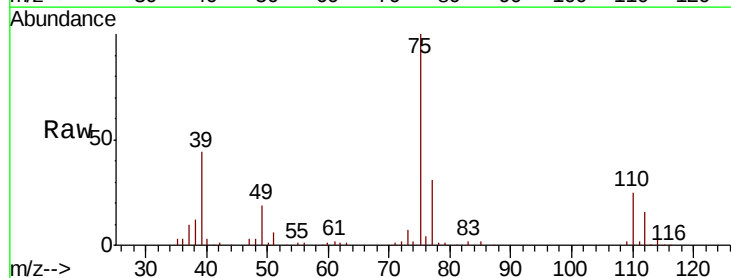
Acq: 30 Nov 2018 15:47

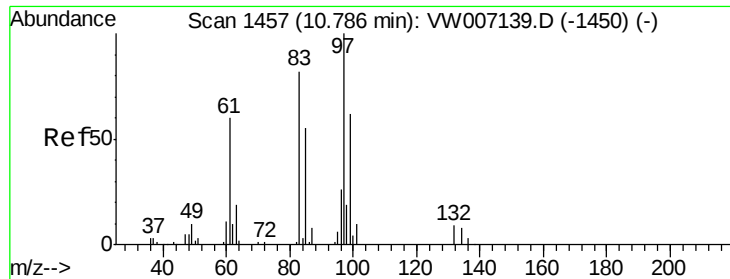
Tgt Ion: 75 Resp: 58491

Ion Ratio Lower Upper

75 100

77 31.0 23.2 43.2





#46

1,1,2-Trichloroethane

Concen: 26.584 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampled :

VICV88

Tgt Ion: 97 Resp: 33210

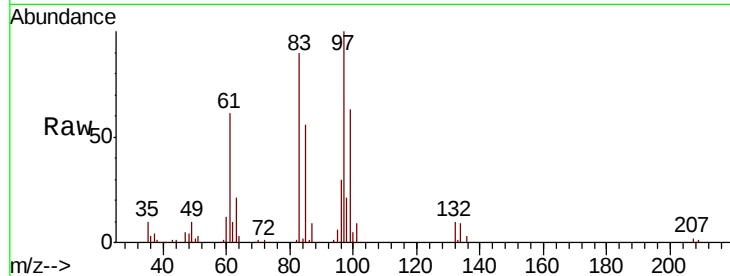
Ion Ratio Lower Upper

97 100

83 90.4 57.1 106.1

85 56.3 38.6 71.8

99 63.0 43.4 80.6



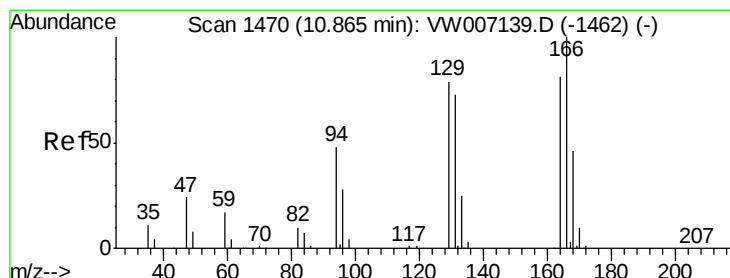
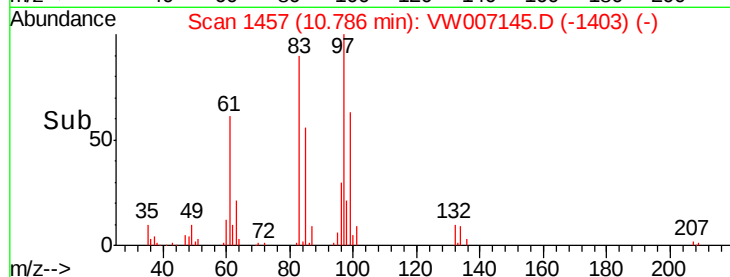
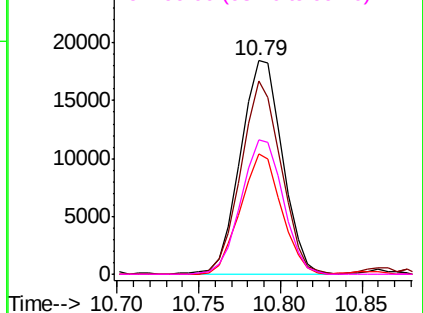
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 27.031 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Tgt Ion: 164 Resp: 42341

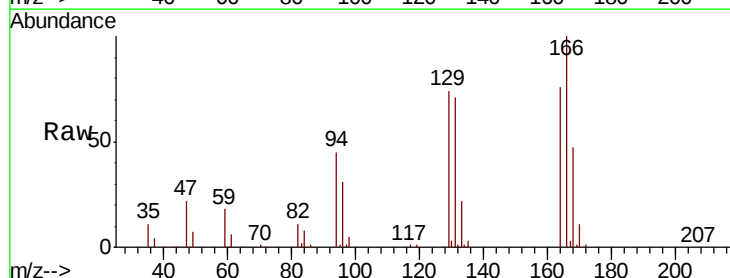
Ion Ratio Lower Upper

164 100

129 98.5 68.5 127.3

131 94.5 63.3 117.7

166 132.3 86.6 160.8



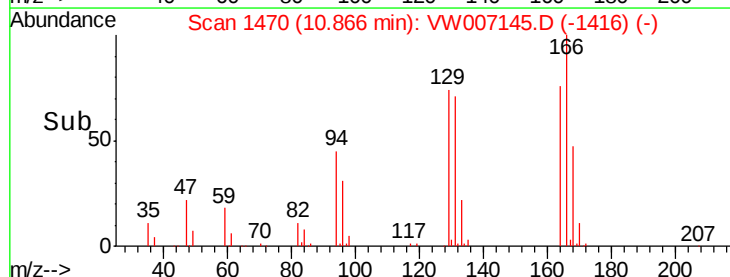
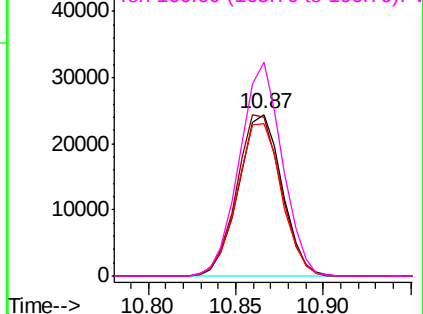
Abundance

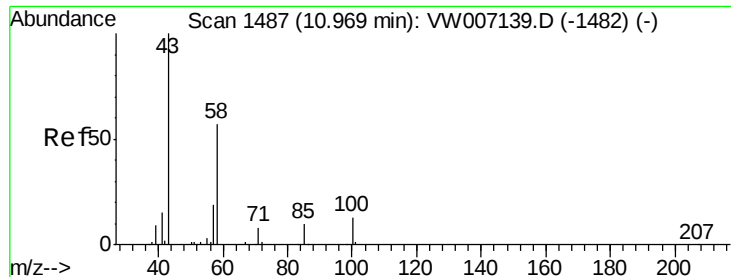
Ion 164.00 (163.70 to 164.70): V

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: 62.971 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VICV88

Tgt Ion: 43 Resp: 50037

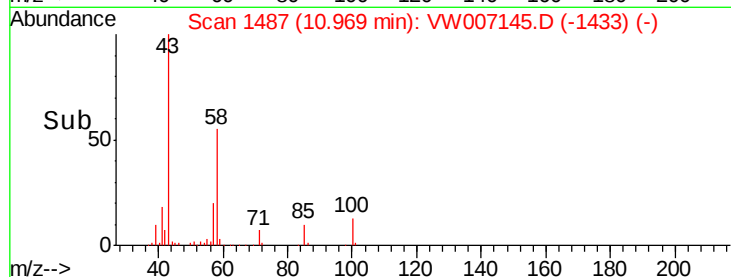
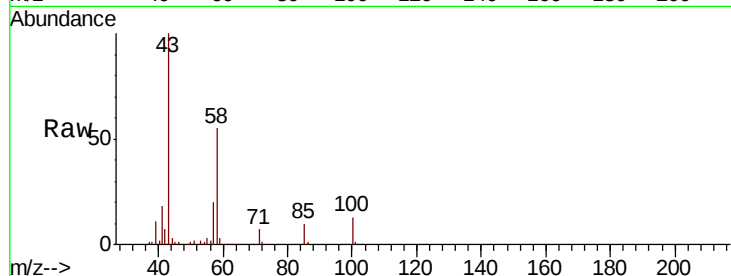
Ion Ratio Lower Upper

43 100

58 54.6 44.2 66.2

57 20.6 16.3 24.5

100 12.7 10.1 15.1

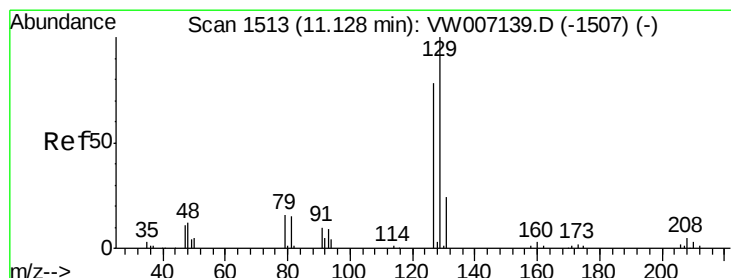
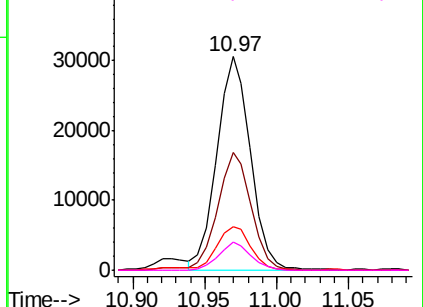


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.245 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007145.D

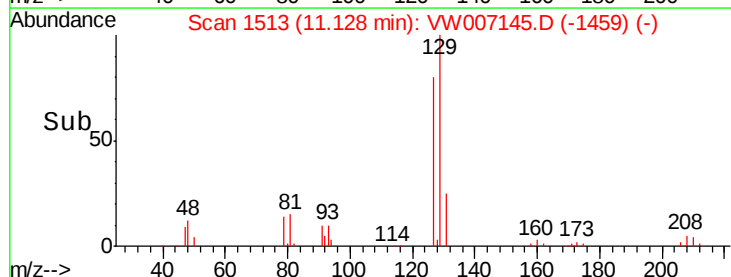
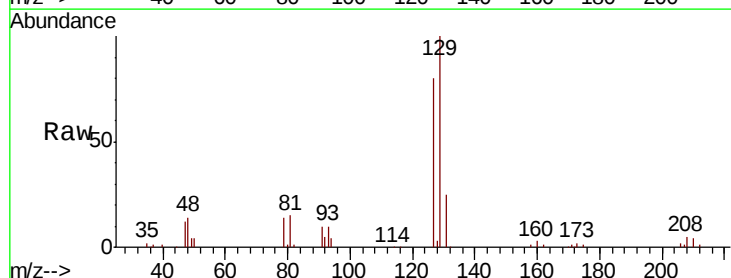
Acq: 30 Nov 2018 15:47

Tgt Ion: 129 Resp: 39935

Ion Ratio Lower Upper

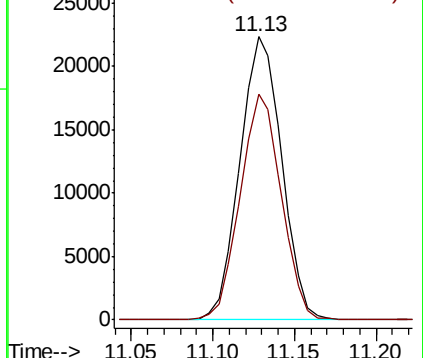
129 100

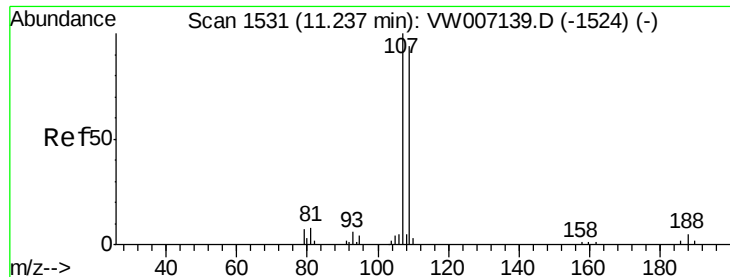
127 80.0 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

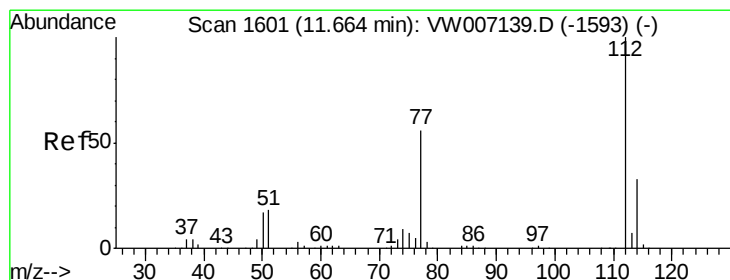
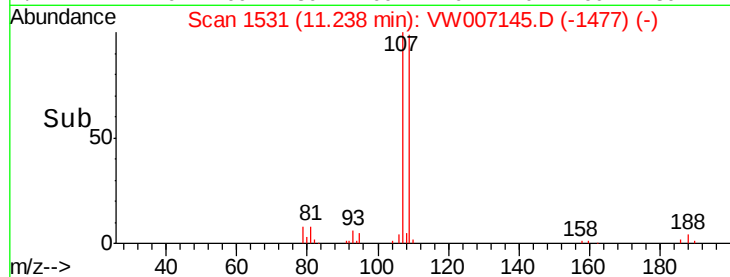
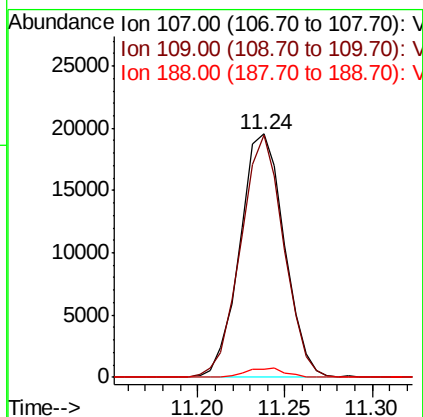
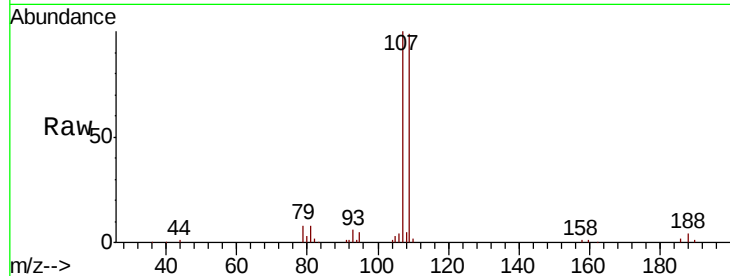




#51
1,2-Dibromoethane
Concen: 27.343 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

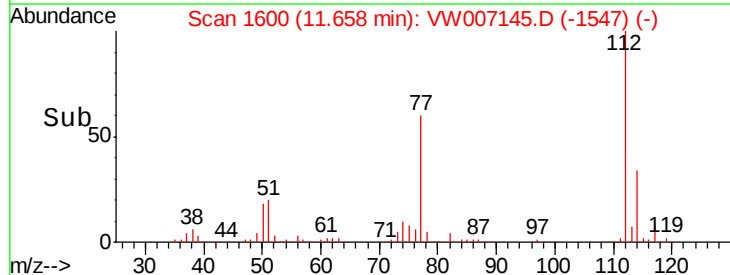
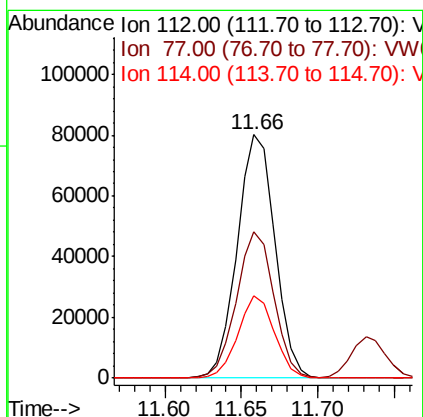
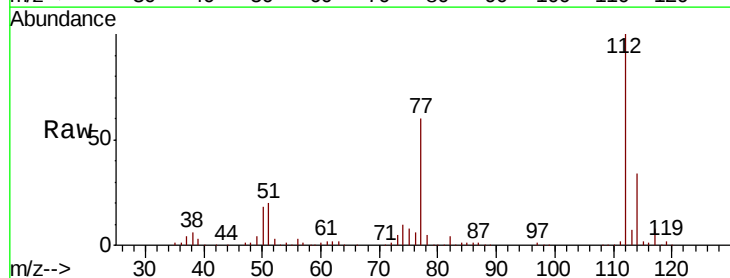
Instrument :
MSVOA_W
ClientSampleId :
VICV88

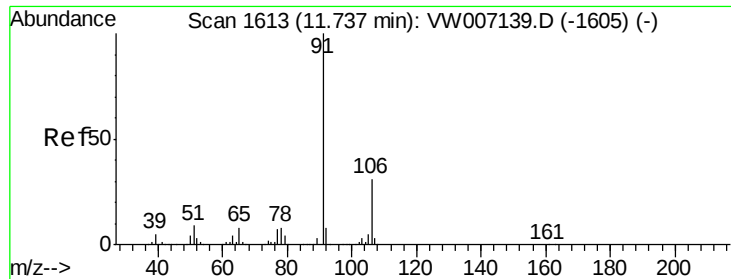
Tgt Ion:107 Resp: 34614
Ion Ratio Lower Upper
107 100
109 99.4 66.0 122.6
188 3.6 3.6 5.4#



#52
Chlorobenzene
Concen: 26.271 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

Tgt Ion:112 Resp: 137251
Ion Ratio Lower Upper
112 100
77 60.0 45.0 67.4
114 33.9 22.8 42.4





#53

Ethylbenzene

Concen: 27.185 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

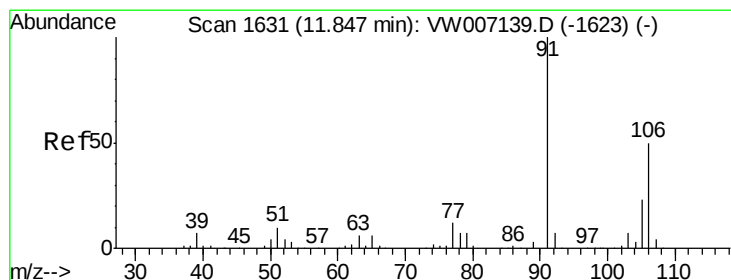
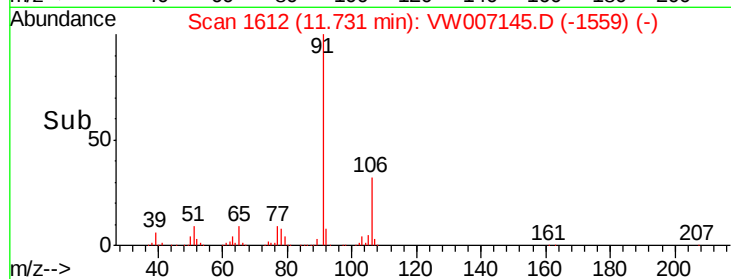
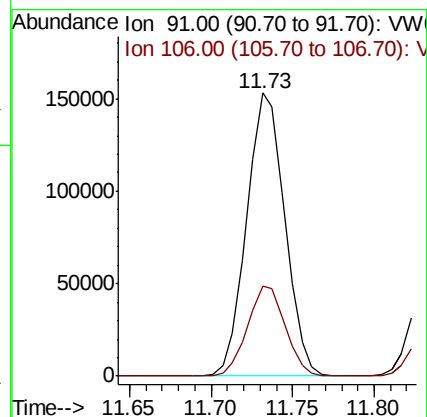
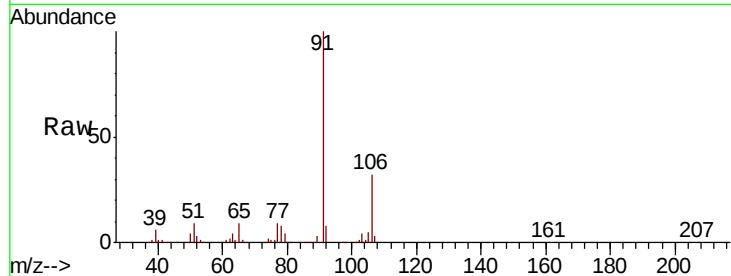
VICV88

Tgt Ion: 91 Resp: 249754

Ion Ratio Lower Upper

91 100

106 31.7 21.8 40.4



#54

m,p-Xylene

Concen: 26.961 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW007145.D

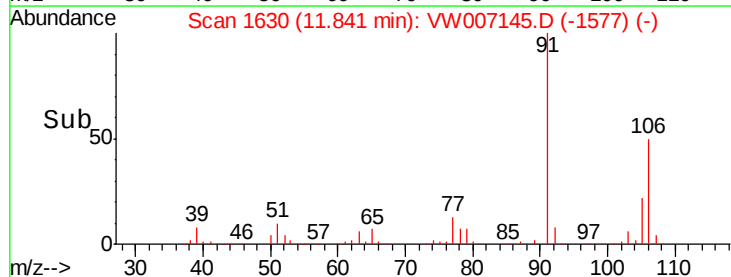
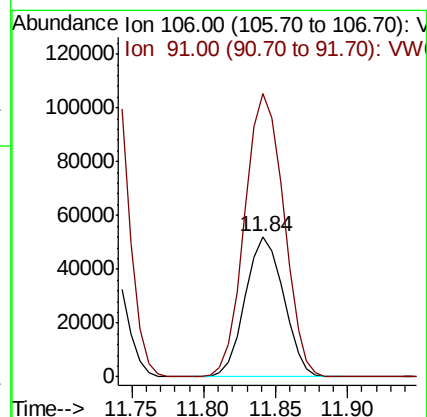
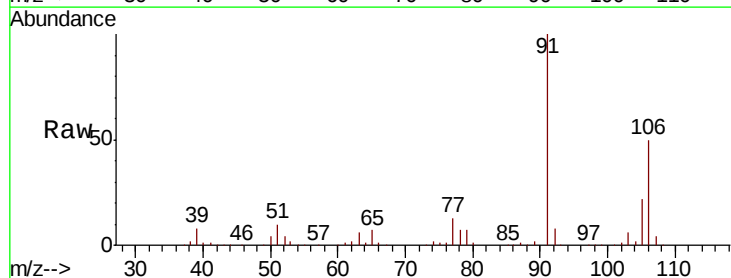
Acq: 30 Nov 2018 15:47

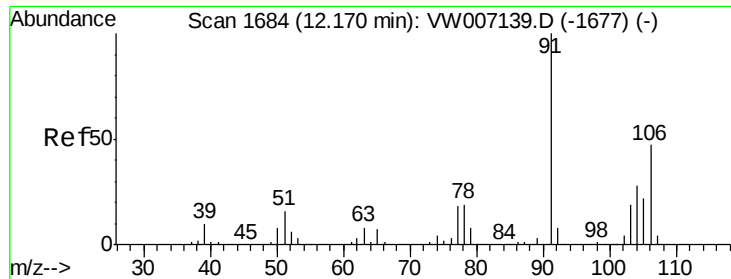
Tgt Ion: 106 Resp: 96648

Ion Ratio Lower Upper

106 100

91 201.7 140.7 261.3

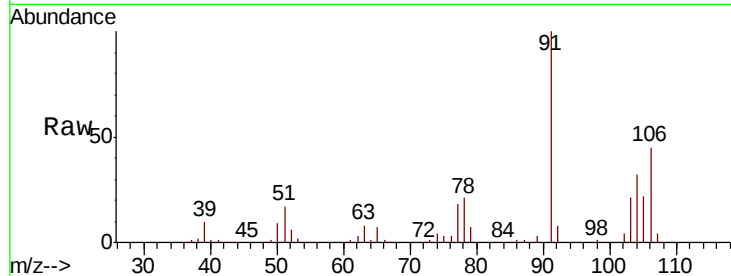




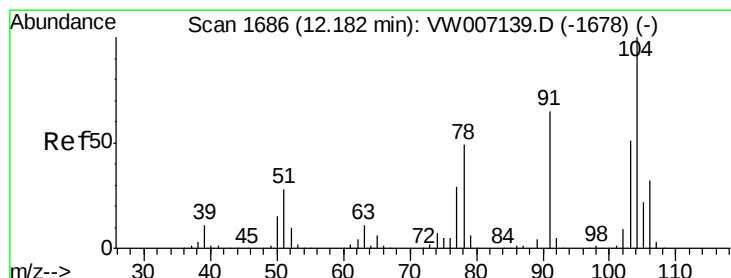
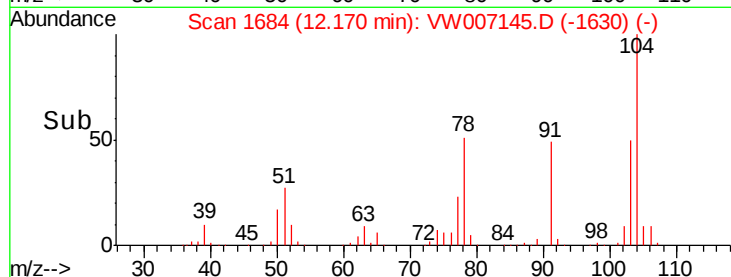
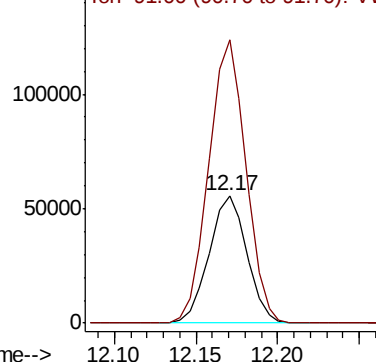
#55
o-xylene
Concen: 26.972 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

Instrument :
MSVOA_W
ClientSampled :
VICV88

Tgt Ion:106 Resp: 89666
Ion Ratio Lower Upper
106 100
91 222.4 149.0 276.8

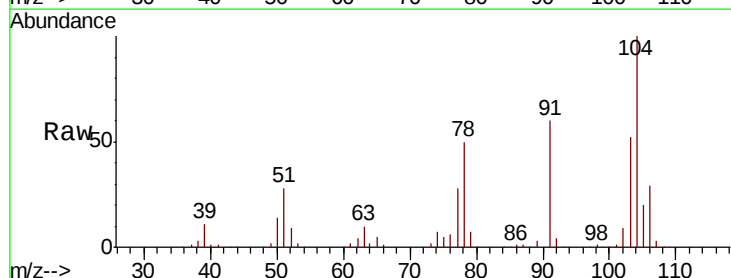


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

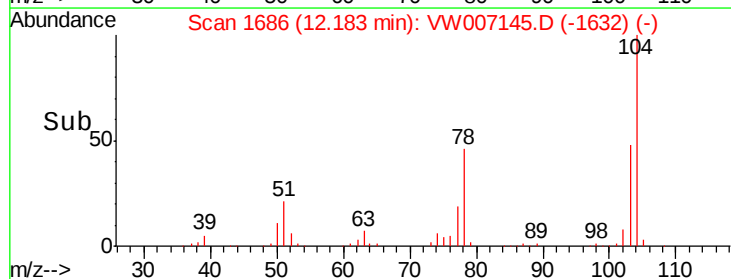
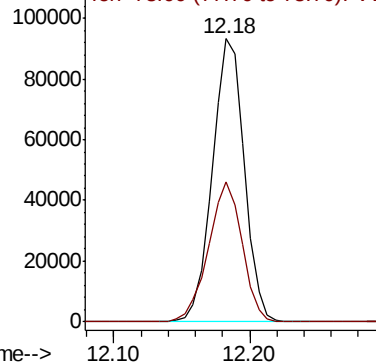


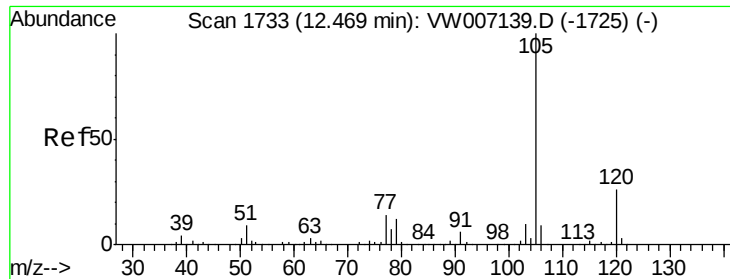
#56
Styrene
Concen: 27.200 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007145.D
Acq: 30 Nov 2018 15:47

Tgt Ion:104 Resp: 152910
Ion Ratio Lower Upper
104 100
78 49.7 34.6 64.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.478 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampled :

VICV88

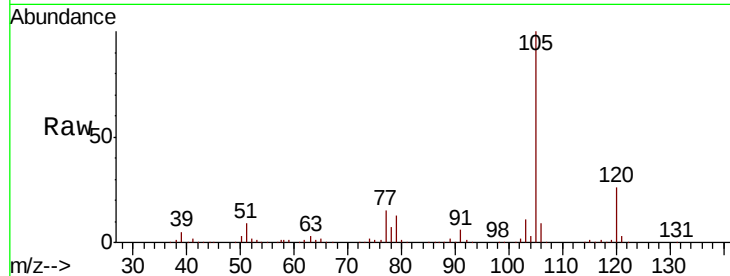
Tgt Ion: 105 Resp: 254007

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

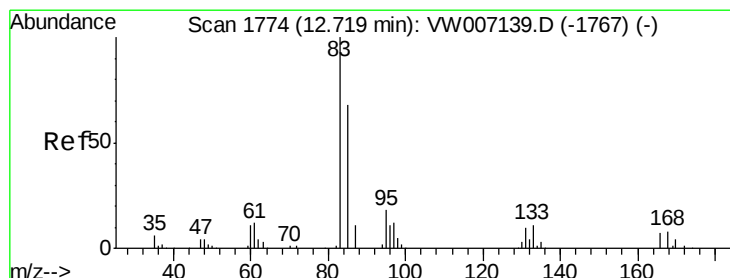
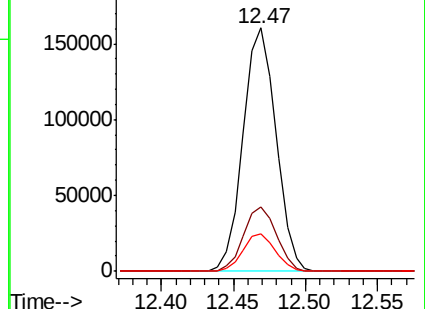
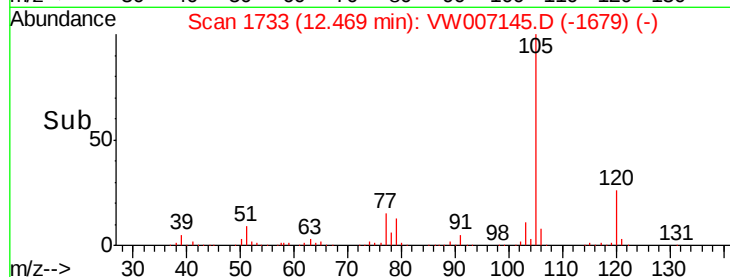
77 15.2 12.0 18.0



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: 28.903 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

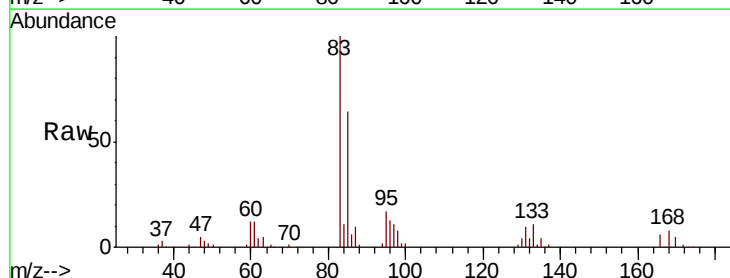
Tgt Ion: 83 Resp: 45883

Ion Ratio Lower Upper

83 100

85 63.8 47.8 88.8

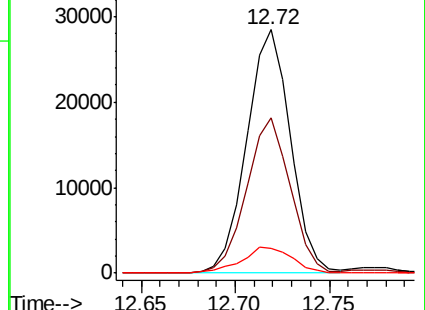
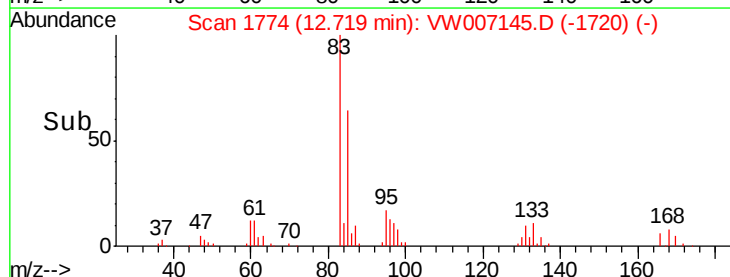
131 10.3 8.2 12.2

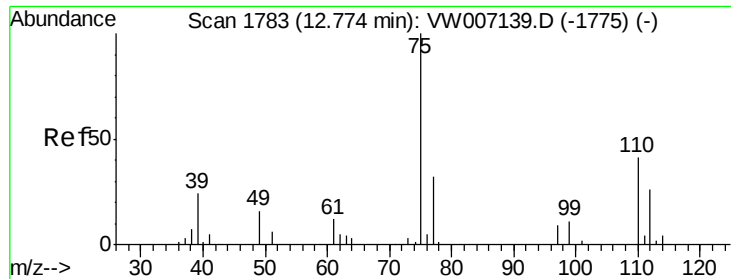


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.639 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampled :

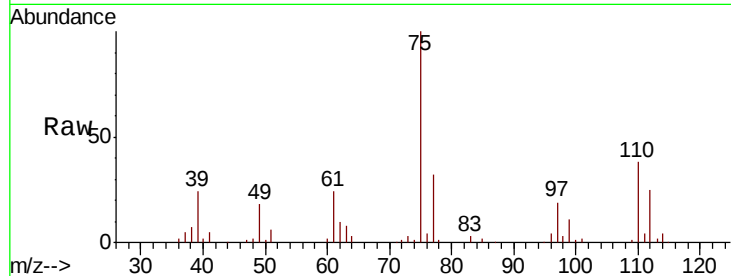
VICV88

Tgt Ion: 75 Resp: 36772

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

25000

20000

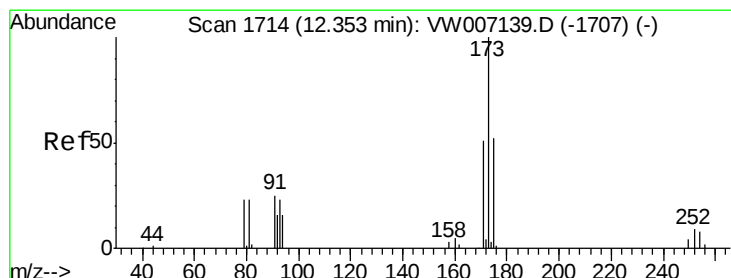
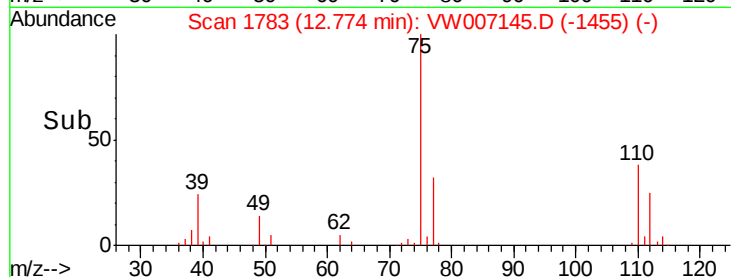
15000

10000

5000

0

Time--> 12.70 12.75 12.80



#62

Bromoform

Concen: 28.172 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

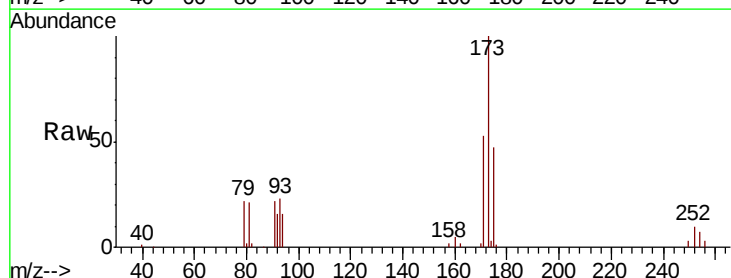
Tgt Ion: 173 Resp: 24307

Ion Ratio Lower Upper

173 100

175 48.0 39.8 59.8

254 7.7 6.9 10.3



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

20000

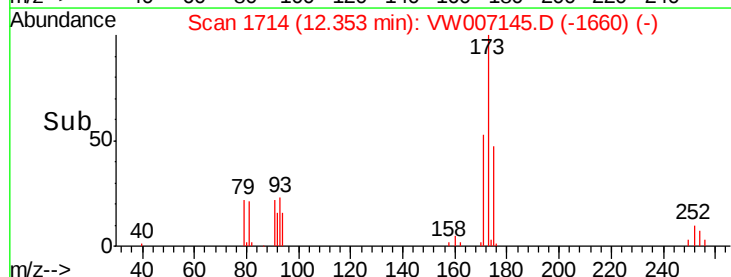
15000

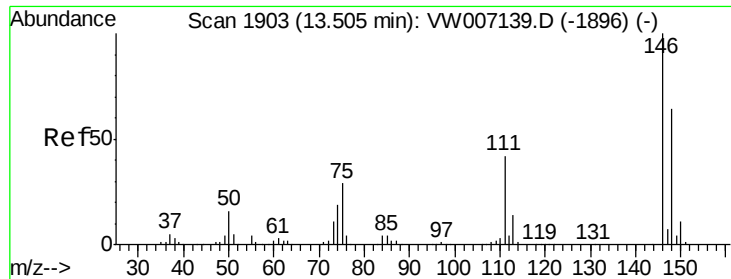
10000

5000

0

Time--> 12.30 12.35 12.40

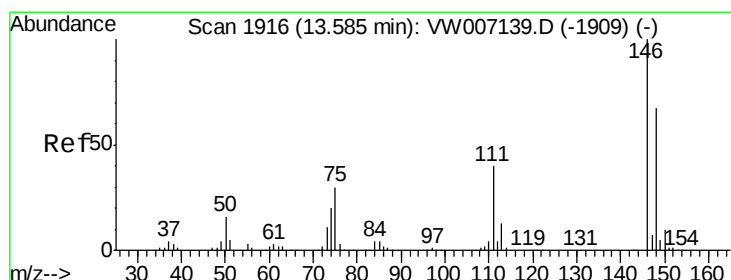
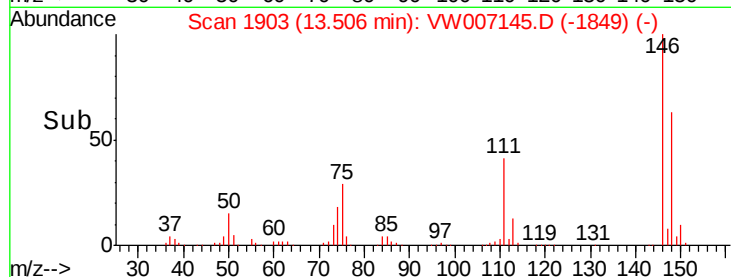
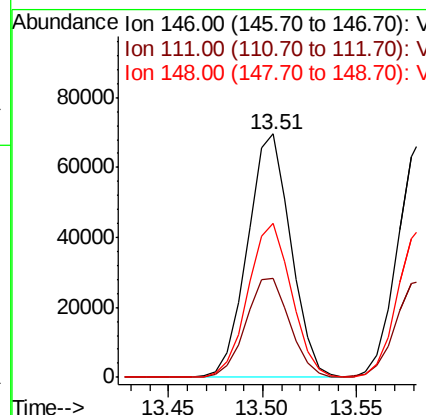
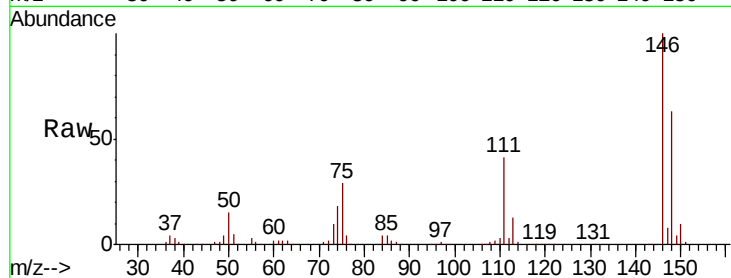




#63
 1,3-Dichlorobenzene
 Concen: 26.690 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007145.D
 Acq: 30 Nov 2018 15:47

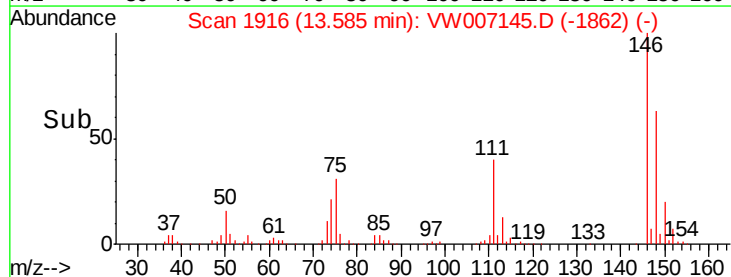
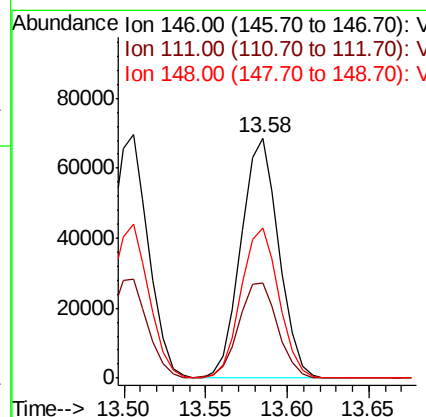
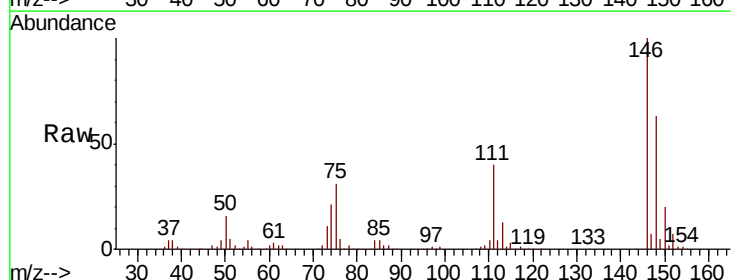
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

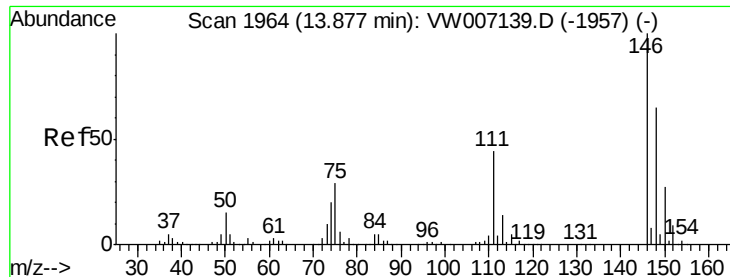
Tgt Ion:146 Resp: 110672
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.2 54.2
 148 63.3 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 26.460 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007145.D
 Acq: 30 Nov 2018 15:47

Tgt Ion:146 Resp: 110357
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.2 52.4
 148 62.7 46.6 86.6





#65

1,2-Dichlorobenzene

Concen: 26.890 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampled :

VICV88

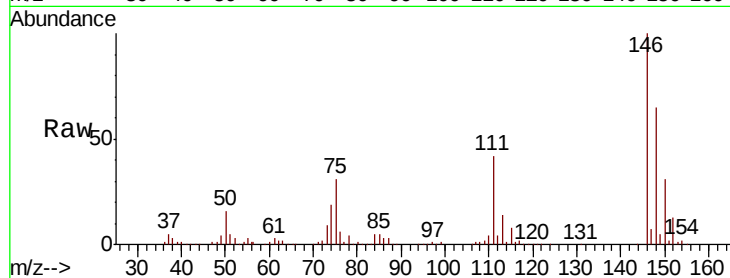
Tgt Ion:146 Resp: 102030

Ion Ratio Lower Upper

146 100

111 42.5 35.3 52.9

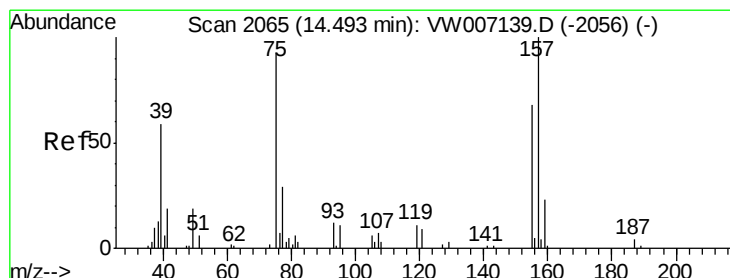
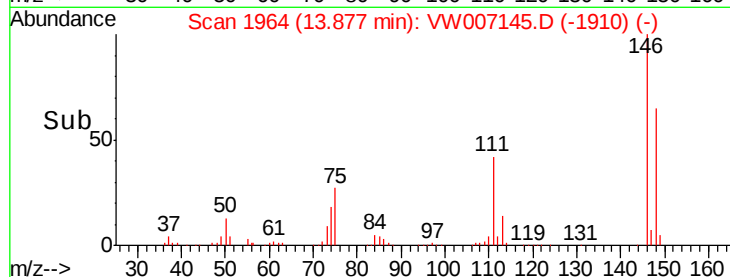
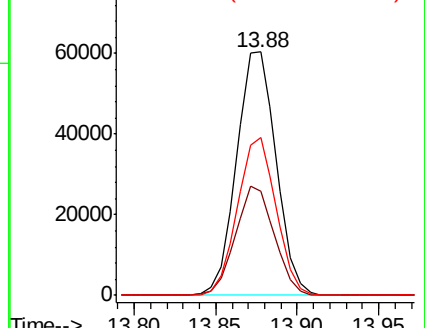
148 65.0 51.6 77.4



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: 30.049 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

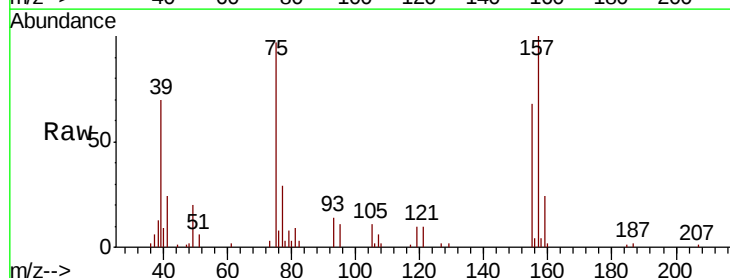
Tgt Ion: 75 Resp: 9246

Ion Ratio Lower Upper

75 100

157 103.0 86.4 129.6

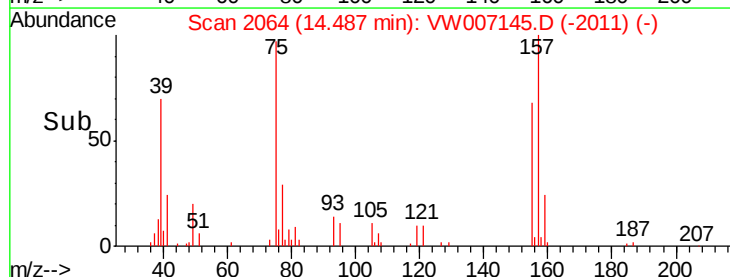
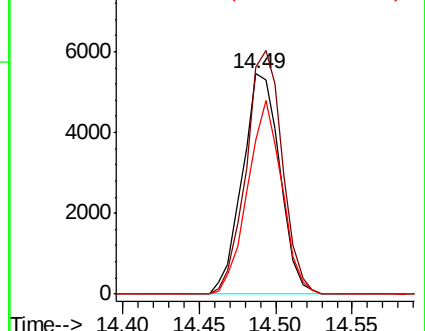
155 70.3 58.3 87.5

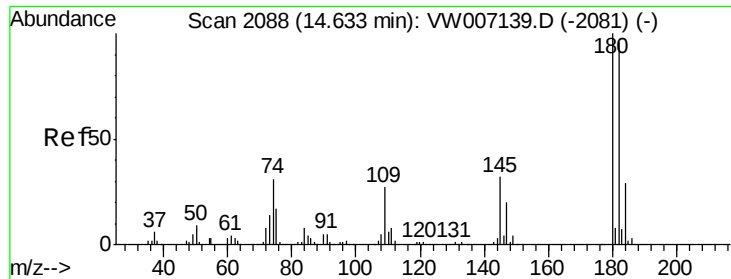


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

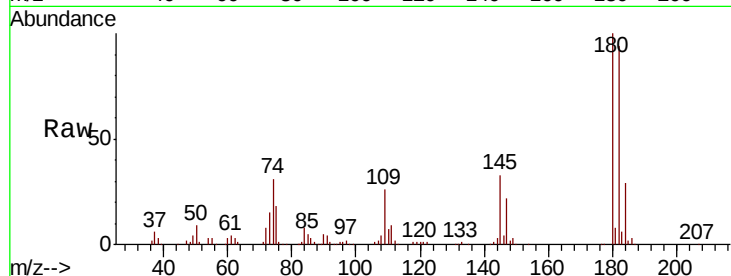




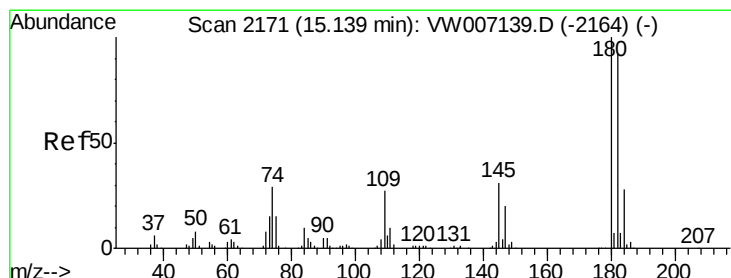
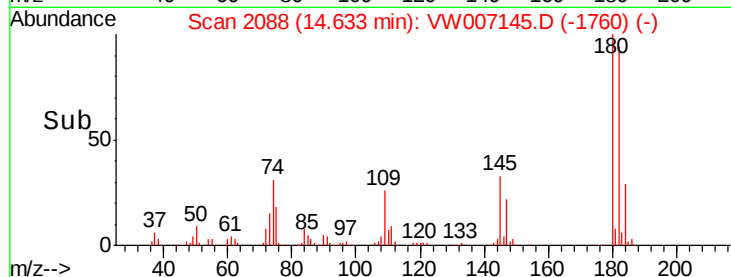
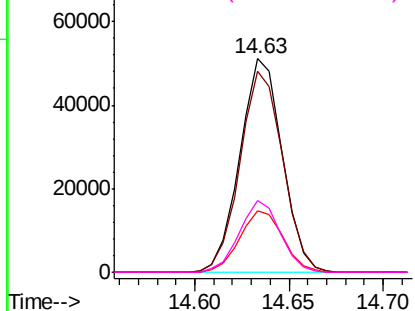
#67
 1,3,5-Trichlorobenzene
 Concen: 25.632 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007145.D
 Acq: 30 Nov 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

Tgt Ion:	180	Resp:	79821
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.9	113.9
184	29.4	24.2	36.4
145	32.5	26.1	39.1

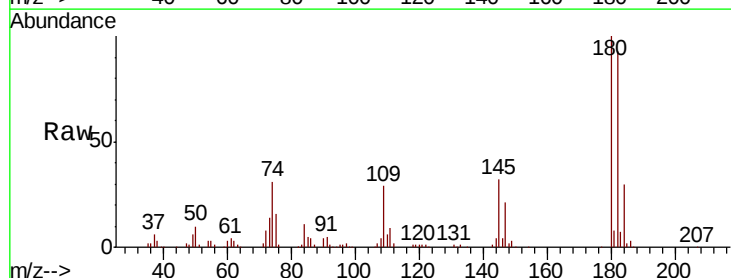


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

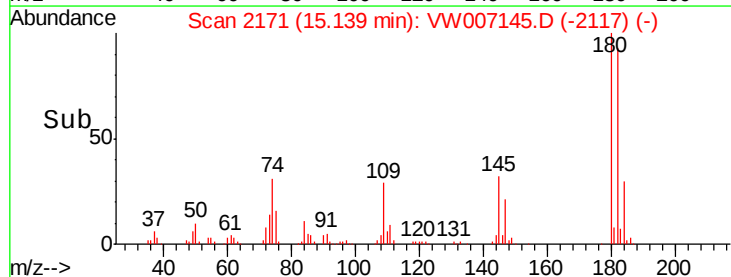
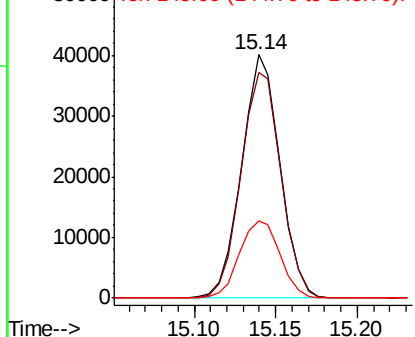


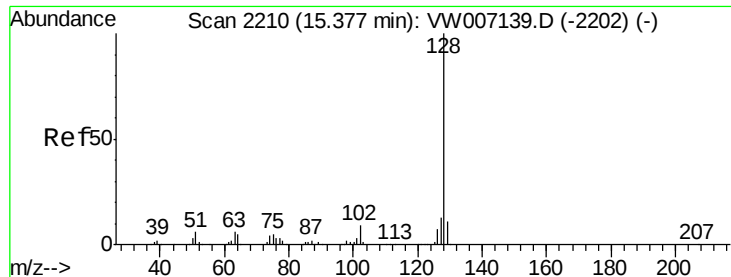
#68
 1,2,4-trichlorobenzene
 Concen: 24.703 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007145.D
 Acq: 30 Nov 2018 15:47

Tgt Ion:	180	Resp:	65398
Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.6	113.4
145	33.3	26.6	39.8



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: 27.934 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VICV88

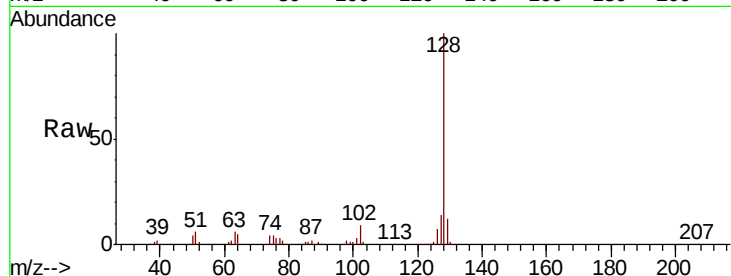
Tgt Ion:128 Resp: 157456

Ion Ratio Lower Upper

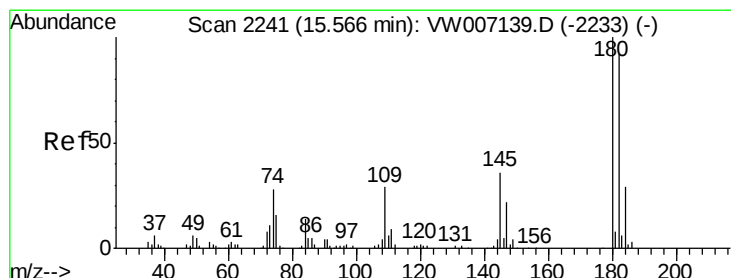
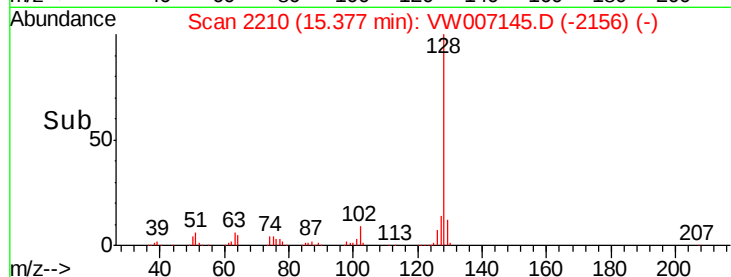
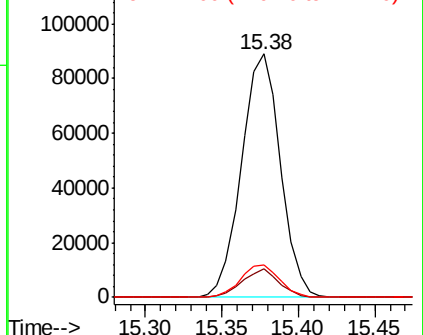
128 100

129 10.9 8.7 13.1

127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.070 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007145.D

Acq: 30 Nov 2018 15:47

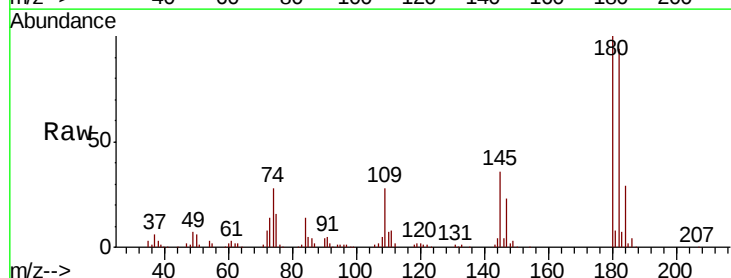
Tgt Ion:180 Resp: 60224

Ion Ratio Lower Upper

180 100

182 94.3 75.0 112.4

145 36.1 28.2 42.4



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

