

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122218\
 Data File : VW007758.D
 Acq On : 20 Dec 2018 20:08
 Operator : SY/AP
 Sample : J6392-18MS
 Misc : 6.46G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Manual Integrations
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 12/21/2018 11:04:09 AM

Quant Time: Dec 21 04:43:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	123678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	107603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	81691	101.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.14%	
35) Dibromofluoromethane	7.88	113	71680	95.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.00%	
50) Toluene-d8	10.32	98	249234	87.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.24%	
62) 4-Bromofluorobenzene	12.62	95	97248	88.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34830	53.390	ug/l	98
3) Chloromethane	2.22	50	28571	71.322	ug/l	98
4) Vinyl Chloride	2.37	62	34367	67.395	ug/l	100
5) Bromomethane	2.78	94	24748	69.679	ug/l	97
6) Chloroethane	2.93	64	20431	74.891	ug/l	96
7) Trichlorofluoromethane	3.26	101	29480	55.529	ug/l	97
8) Diethyl Ether	3.68	74	21027	64.664	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41433	52.992	ug/l	98
10) Methyl Iodide	4.27	142	69532	55.921	ug/l	97
11) Tert butyl alcohol	5.18	59	17862	329.210	ug/l	98
12) 1,1-Dichloroethene	4.03	96	40218	55.549	ug/l	98
13) Acrolein	3.89	56	10359	238.787	ug/l	99
14) Allyl chloride	4.67	41	56332	59.332	ug/l	94
15) Acrylonitrile	5.37	53	45697	329.444	ug/l	99
16) Acetone	4.12	43	50097	332.617	ug/l	94
17) Carbon Disulfide	4.38	76	116587	52.036	ug/l	99
18) Methyl Acetate	4.67	43	26529	74.063	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	76896	73.980	ug/l	# 82
20) Methylene Chloride	4.92	84	45793	62.355	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	44555	55.954	ug/l	99
22) Diisopropyl ether	6.31	45	113806	64.015	ug/l	98
23) Vinyl Acetate	6.26	43	317598	300.687	ug/l	99
24) 1,1-Dichloroethane	6.21	63	76193	58.258	ug/l	99
25) 2-Butanone	7.17	43	58298	330.461	ug/l	98
26) 2,2-Dichloropropane	7.17	77	51076	53.369	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49661	58.538	ug/l	99
28) Bromochloromethane	7.51	49	27889	62.543	ug/l	97
29) Tetrahydrofuran	7.53	42	37137	352.919	ug/l	97
30) Chloroform	7.68	83	84799	57.293	ug/l	98
31) Cyclohexane	7.95	56	65968	55.097	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	72205	53.565	ug/l	99
36) 1,1-Dichloropropene	8.08	75	61084	51.171	ug/l	99
37) Ethyl Acetate	7.25	43	26272	63.772	ug/l	99
38) Carbon Tetrachloride	8.07	117	64016	45.536	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78127	52.670	ug/l	98
40) Benzene	8.32	78	172653	54.201	ug/l	100
41) Methacrylonitrile	7.48	41	15663	66.966	ug/l	93
42) 1,2-Dichloroethane	8.40	62	59286	55.537	ug/l	97
43) Isopropyl Acetate	8.43	43	55441	67.172	ug/l	96
44) Trichloroethene	9.09	130	48800	50.658	ug/l	100
45) 1,2-Dichloropropane	9.37	63	40380	57.130	ug/l	100
46) Dibromomethane	9.46	93	24104	55.400	ug/l	99
47) Bromodichloromethane	9.65	83	61238	53.538	ug/l	97
48) Methyl methacrylate	9.44	41	25220	61.216	ug/l	97
49) 1,4-Dioxane	9.45	88	9170	1329.330	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	125429	321.562	ug/l	100
52) Toluene	10.39	92	121102	56.664	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	63786	56.064	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	69065	54.957	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37011	61.704	ug/l	98
56) Ethyl methacrylate	10.65	69	45196	63.774	ug/l	96
57) 1,3-Dichloropropane	10.93	76	57925	58.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	97597	301.629	ug/l	100
59) 2-Hexanone	10.97	43	90345	329.343	ug/l	100
60) Dibromochloromethane	11.13	129	40108	50.501	ug/l	98
61) 1,2-Dibromoethane	11.24	107	34612	56.983	ug/l	98
64) Tetrachloroethene	10.86	164	39349	51.641	ug/l	98
65) Chlorobenzene	11.66	112	122288	52.507	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44129	53.028	ug/l	99
67) Ethyl Benzene	11.73	91	215782	53.992	ug/l	97
68) m/p-Xylenes	11.84	106	172095	111.007	ug/l	98
69) o-Xylene	12.17	106	83891	57.728	ug/l	99
70) Styrene	12.18	104	128730	53.889	ug/l	99
71) Bromoform	12.35	173	22541	52.178	ug/l #	99
73) Isopropylbenzene	12.47	105	234395	59.490	ug/l	99
74) N-amyl acetate	12.27	43	48573	71.172	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	38406	65.012	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	29723m	73.777	ug/l	
77) Bromobenzene	12.75	156	50385	55.799	ug/l	94
78) n-propylbenzene	12.81	91	250191	54.550	ug/l	100
79) 2-Chlorotoluene	12.90	91	142955	53.504	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	179160	52.716	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11413	59.464	ug/l	96
82) 4-Chlorotoluene	12.99	91	148121	52.066	ug/l	99
83) tert-Butylbenzene	13.21	119	150719	50.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	204133	59.525	ug/l	100
85) sec-Butylbenzene	13.39	105	196220	47.745	ug/l	100
86) p-Isopropyltoluene	13.50	119	180592	48.325	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	92806	51.765	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	94984	52.965	ug/l	100
89) n-Butylbenzene	13.83	91	152248	44.434	ug/l	99
90) Hexachloroethane	14.10	117	28191	42.969	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	89604	55.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7068	58.260	ug/l	95

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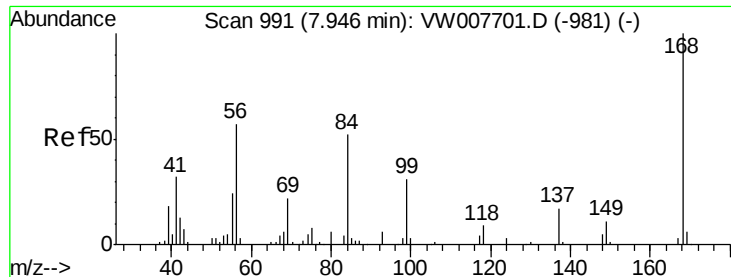
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	58463	52.469	ug/l	99
94) Hexachlorobutadiene	15.24	225	24352	40.895	ug/l	98
95) Naphthalene	15.37	128	148856	72.259	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	53759	56.364	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Instrument :

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Tgt Ion:168 Resp: 73383

Ion Ratio Lower Upper

168 100

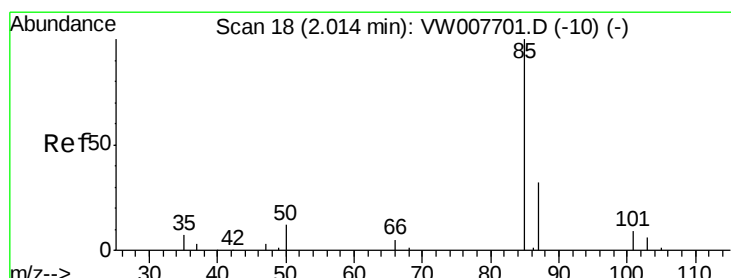
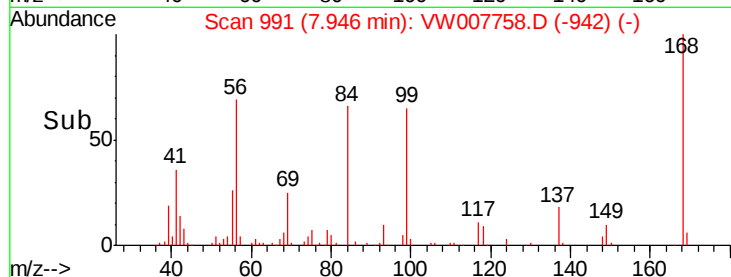
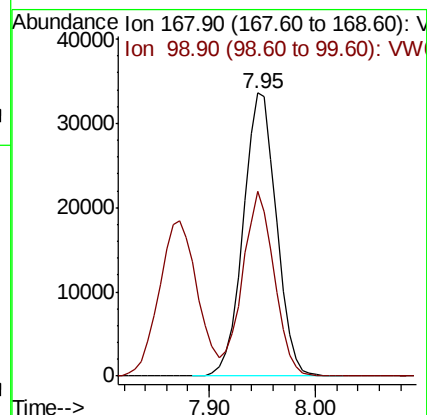
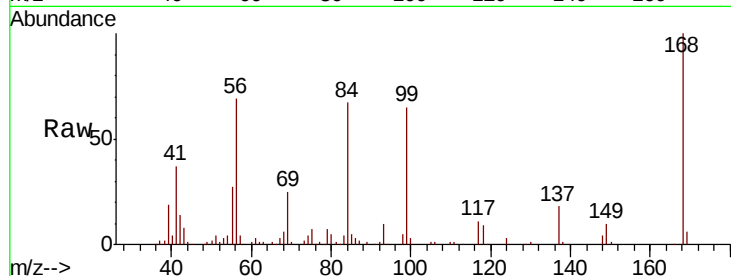
99 65.2 54.0 81.0

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#2

Dichlorodifluoromethane

Concen: 53.390 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007758.D

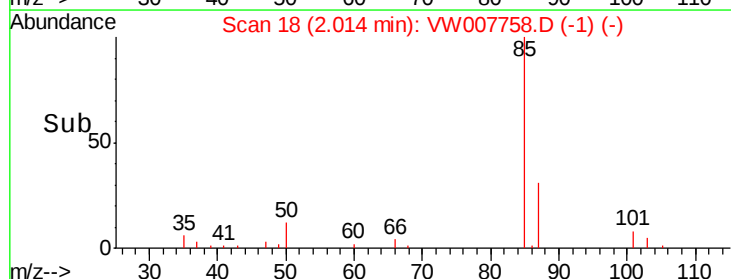
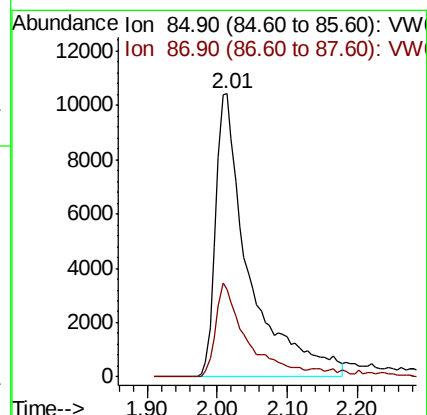
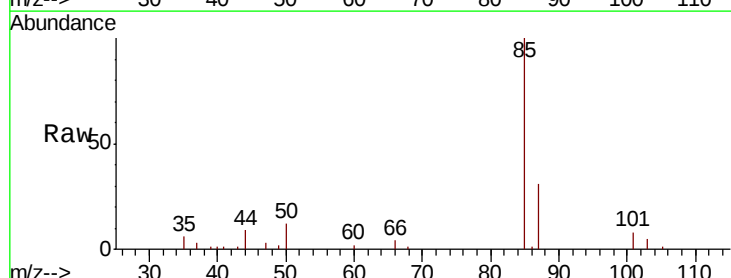
Acq: 20 Dec 2018 20:08

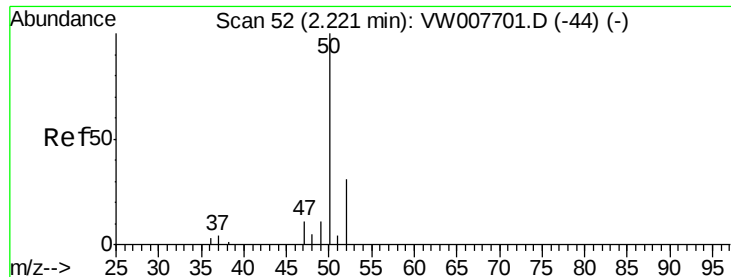
Tgt Ion: 85 Resp: 34830

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.8





#3

Chloromethane

Concen: 71.322 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion: 50 Resp: 28571

Ion Ratio Lower Upper

50 100

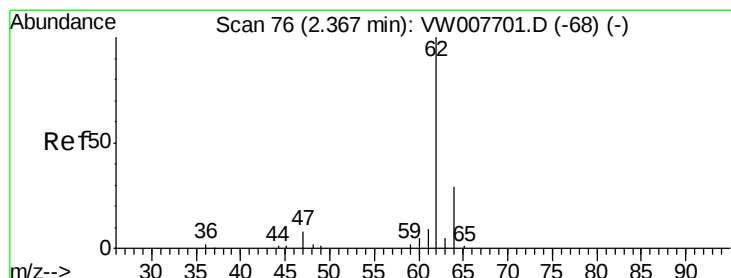
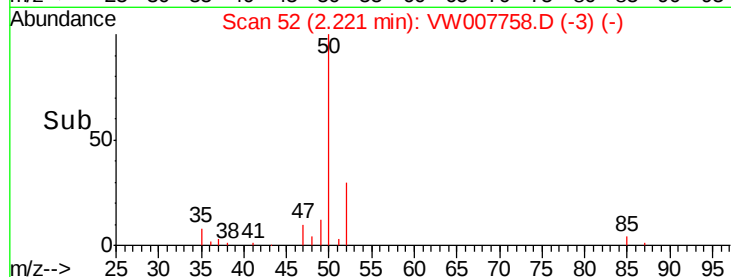
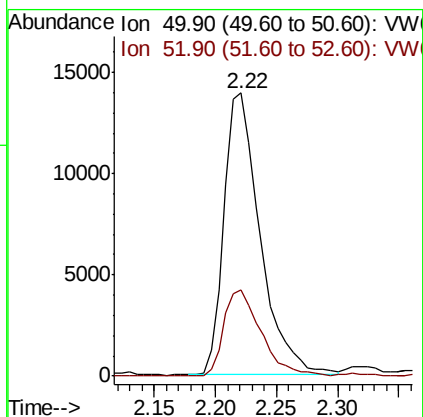
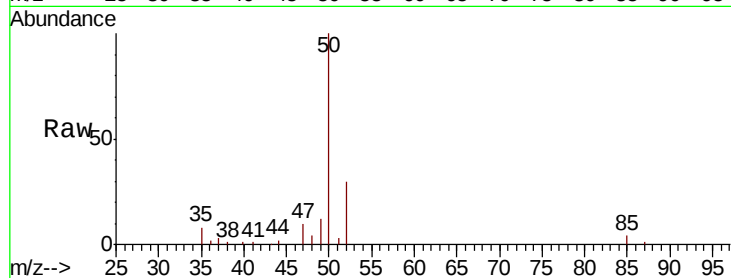
52 30.4 25.1 37.7

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#4

Vinyl Chloride

Concen: 67.395 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007758.D

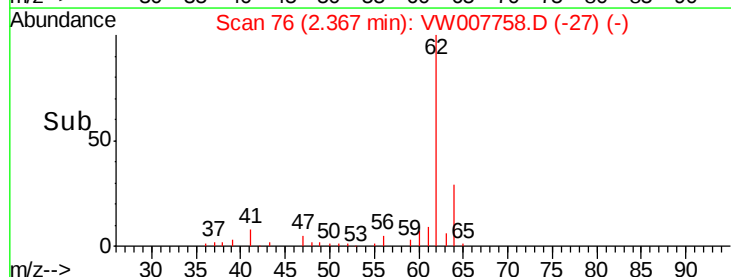
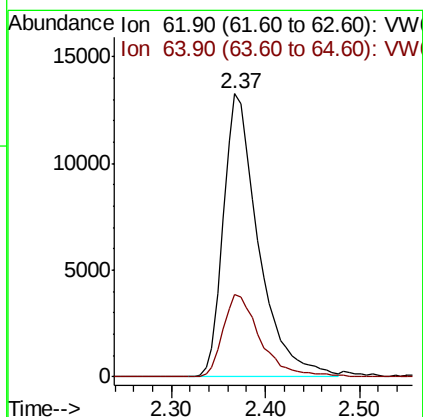
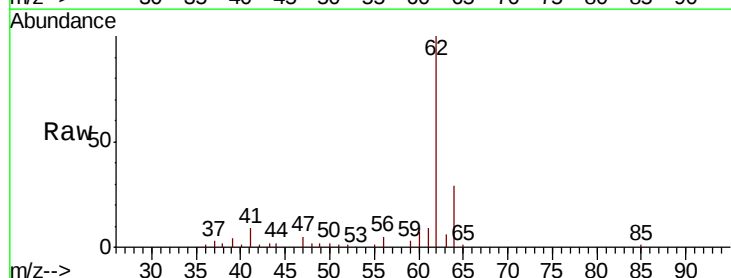
Acq: 20 Dec 2018 20:08

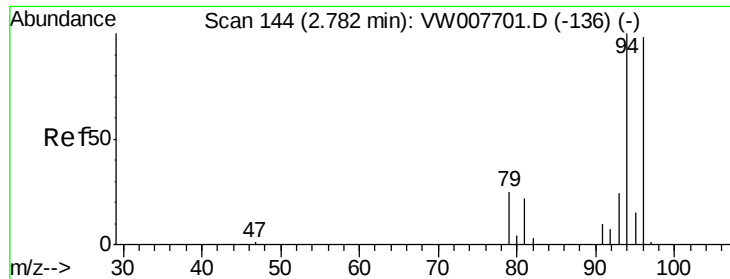
Tgt Ion: 62 Resp: 34367

Ion Ratio Lower Upper

62 100

64 29.1 23.4 35.0





#5

Bromomethane

Concen: 69.679 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007758.D

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Tgt Ion: 94 Resp: 24748

Ion Ratio Lower Upper

94 100

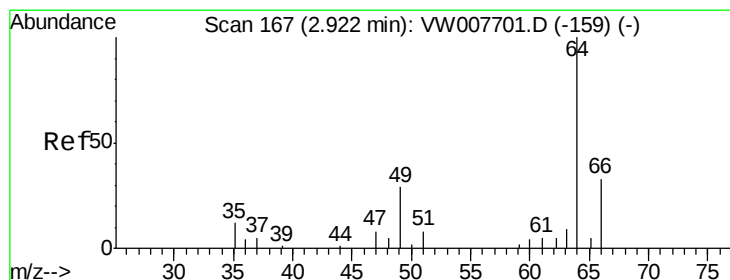
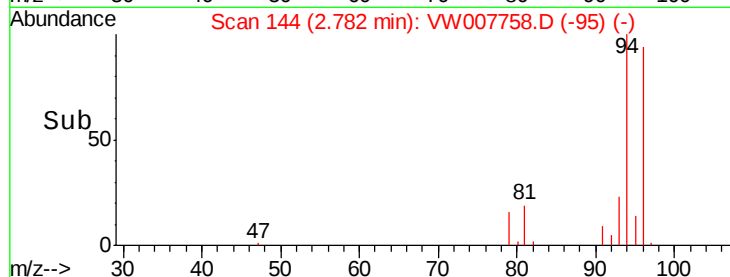
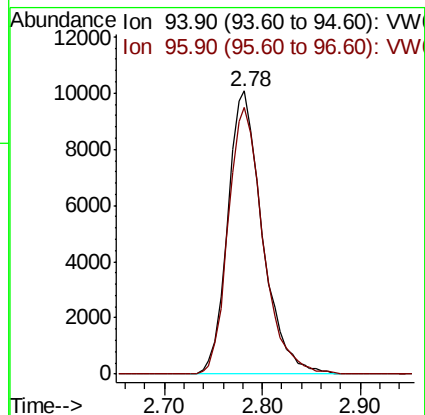
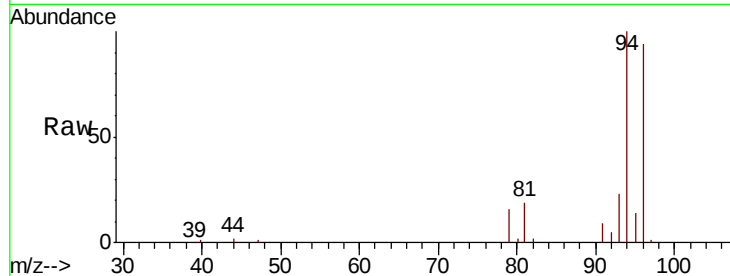
96 94.4 78.2 117.2

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#6

Chloroethane

Concen: 74.891 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007758.D

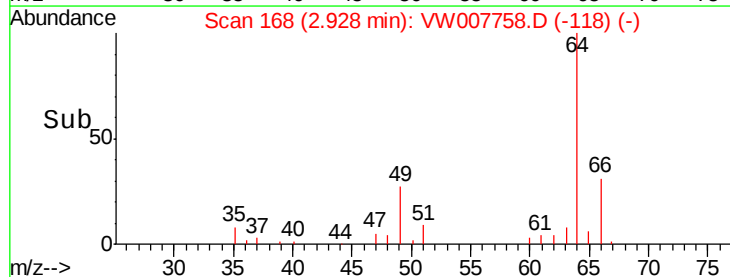
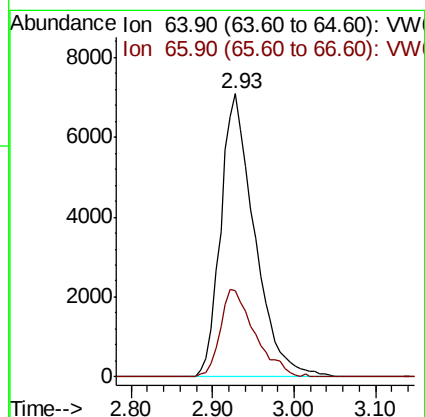
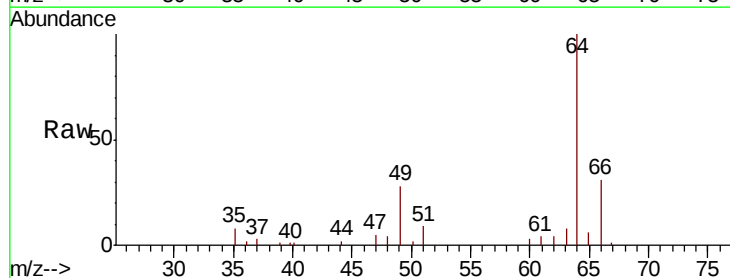
Acq: 20 Dec 2018 20:08

Tgt Ion: 64 Resp: 20431

Ion Ratio Lower Upper

64 100

66 30.7 26.2 39.4





#7

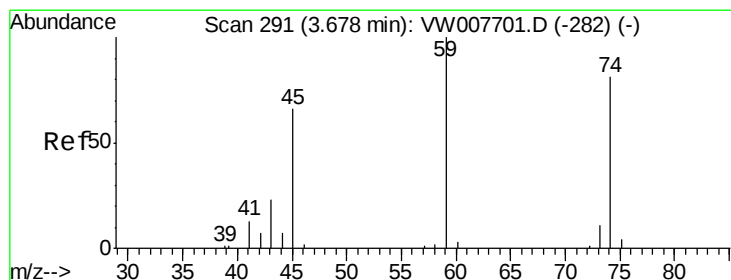
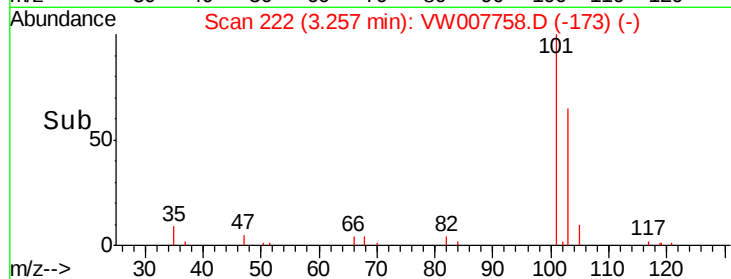
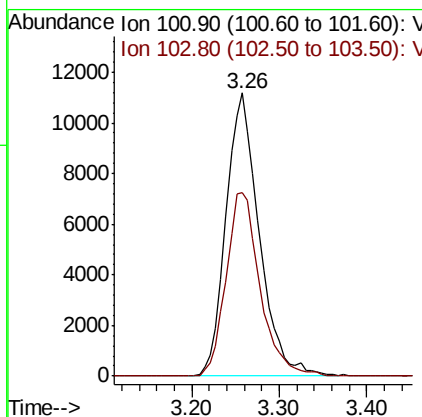
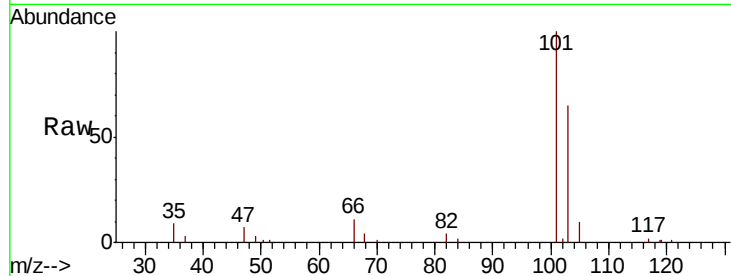
Trichlorofluoromethane
 Concen: 55.529 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007758.D
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Tgt Ion: 101 Resp: 29480
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.4 80.2

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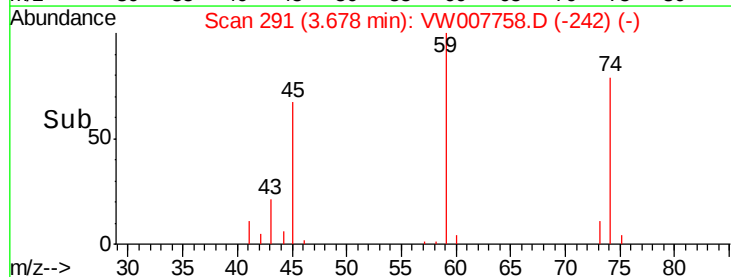
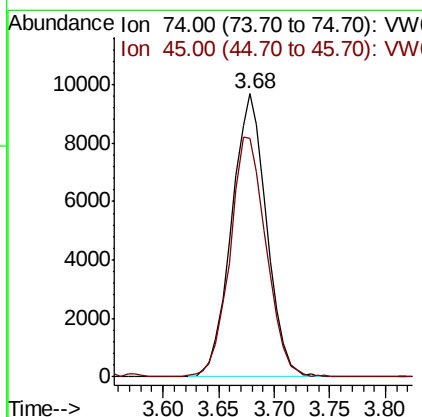
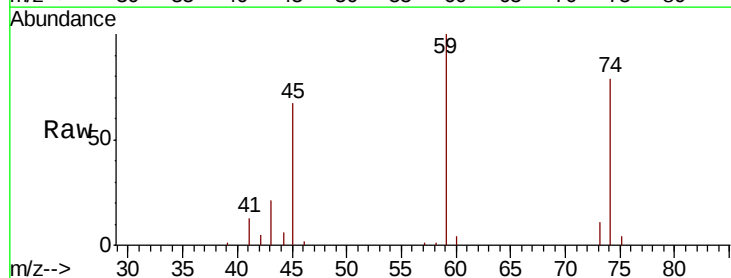
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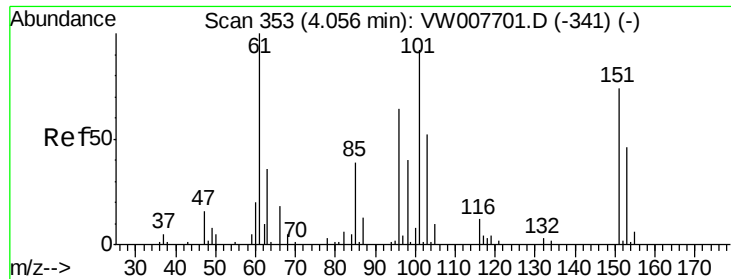


#8

Diethyl Ether
 Concen: 64.664 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 74 Resp: 21027
 Ion Ratio Lower Upper
 74 100
 45 88.1 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.992 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

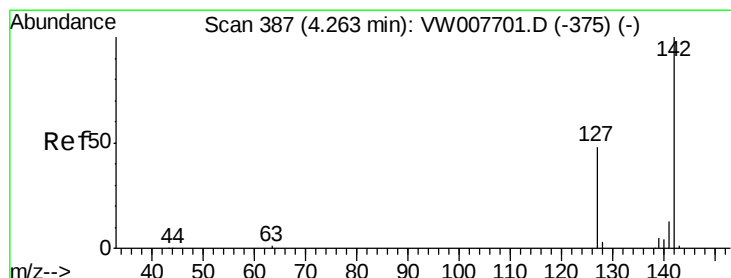
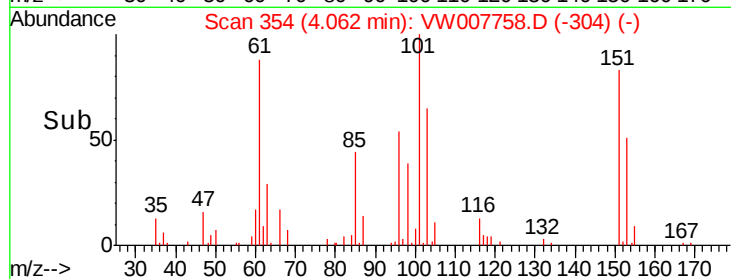
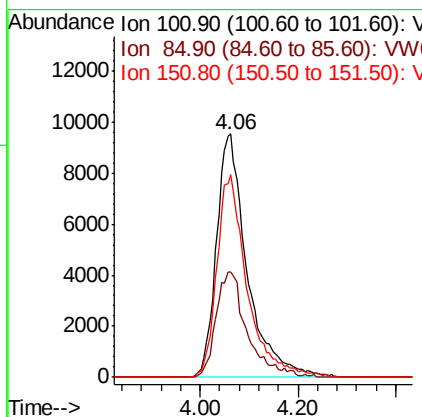
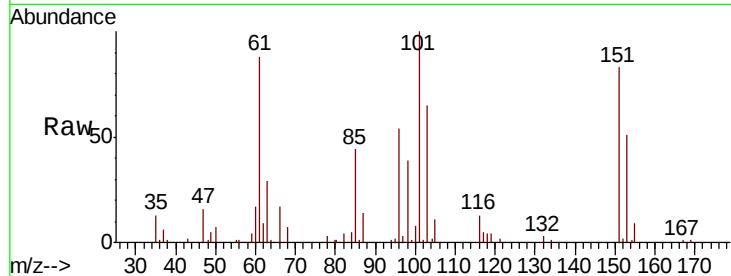
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Tgt Ion:	101	Resp:	41433
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.3	51.5
151	82.1	64.6	96.8

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#10

Methyl Iodide

Concen: 55.921 ug/l

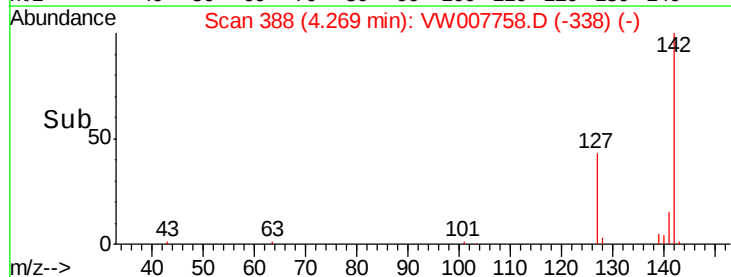
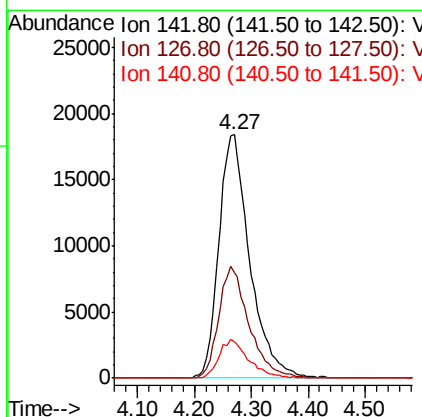
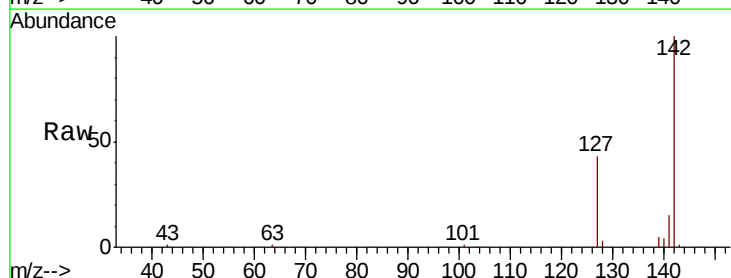
RT: 4.27 min Scan# 388

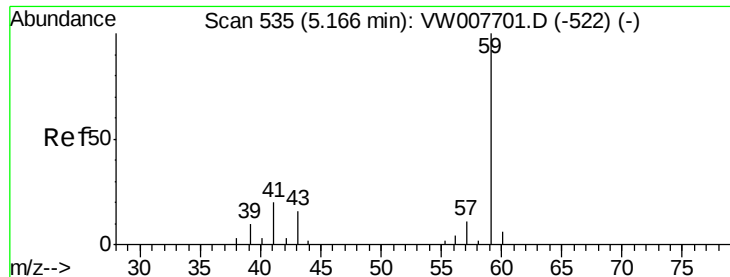
Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion:	142	Resp:	69532
Ion Ratio	Lower	Upper	
142	100		
127	44.7	37.7	56.5
141	15.2	11.5	17.3





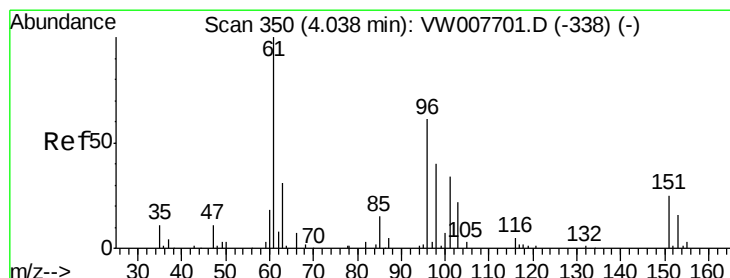
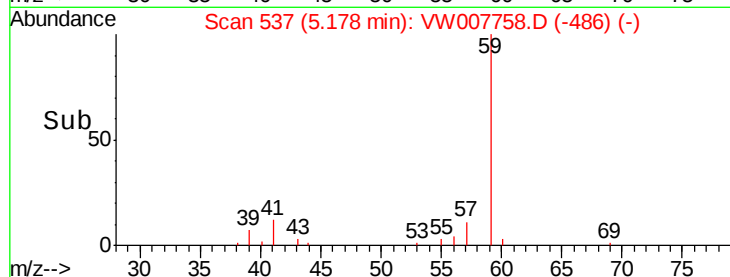
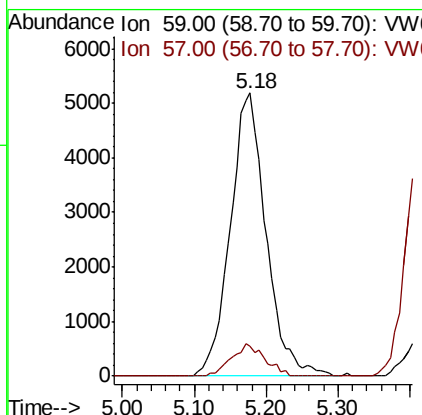
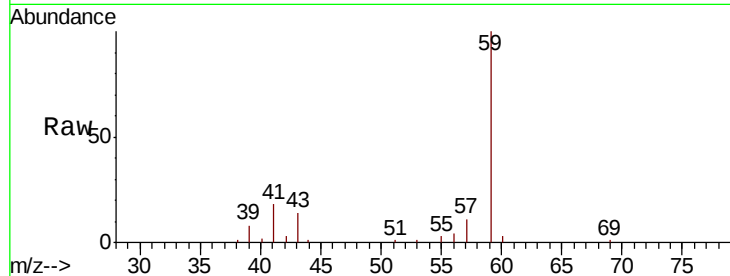
#11
Tert butyl alcohol
Concen: 329.210 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion: 59 Resp: 17862
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.8

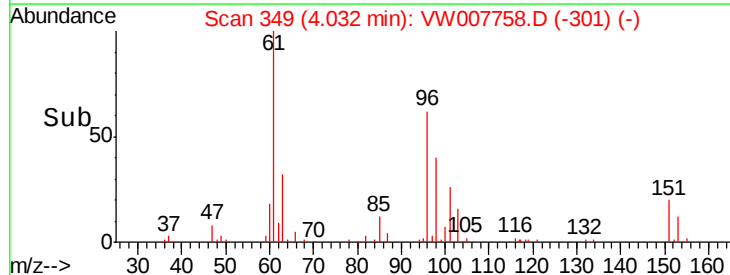
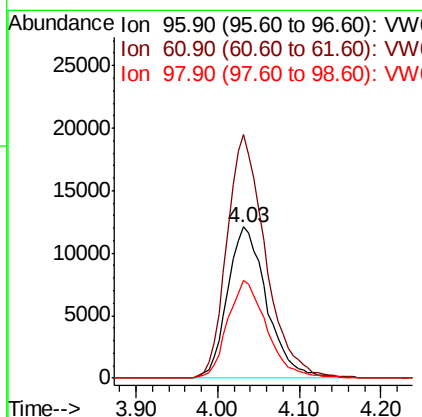
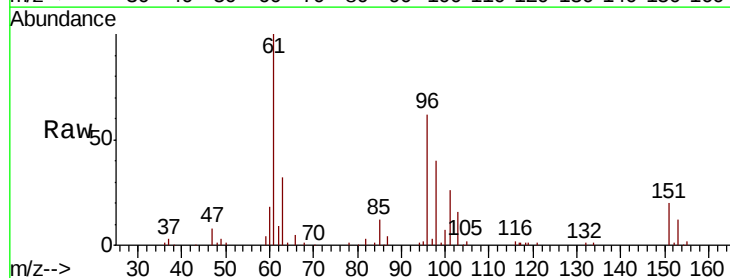
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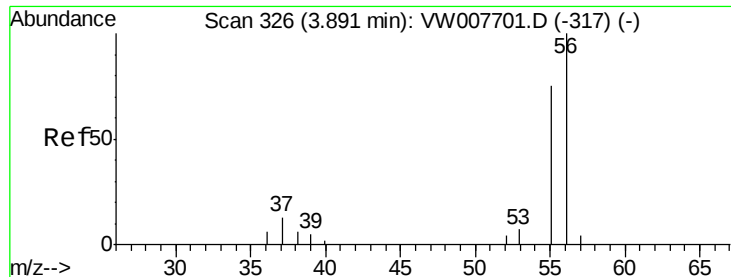
apatel
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#12
1,1-Dichloroethene
Concen: 55.549 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 96 Resp: 40218
Ion Ratio Lower Upper
96 100
61 161.1 130.6 195.8
98 64.4 52.3 78.5





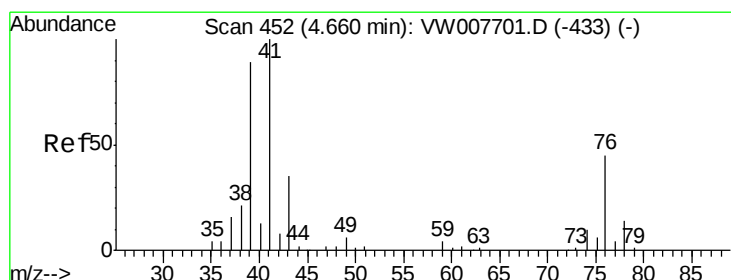
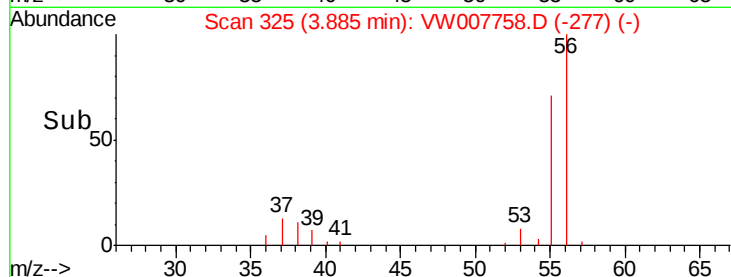
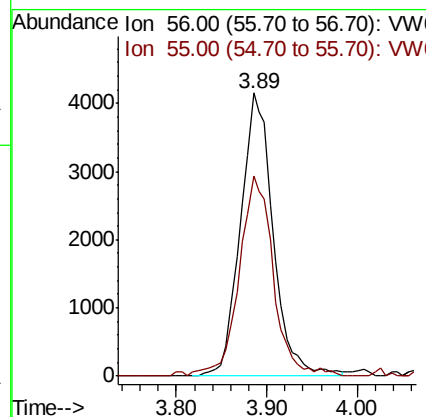
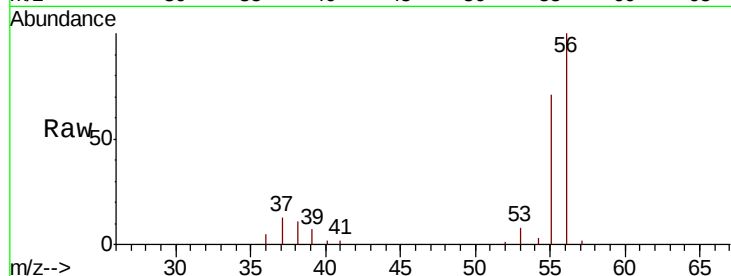
#13
Acrolein
Concen: 238.787 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion: 56 Resp: 10359
Ion Ratio Lower Upper
56 100
55 72.9 57.7 86.5

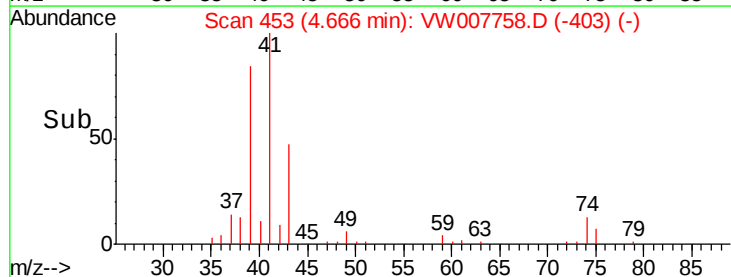
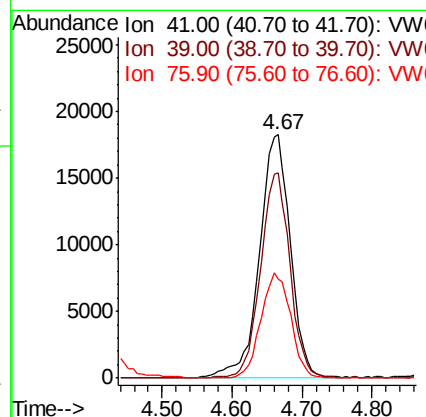
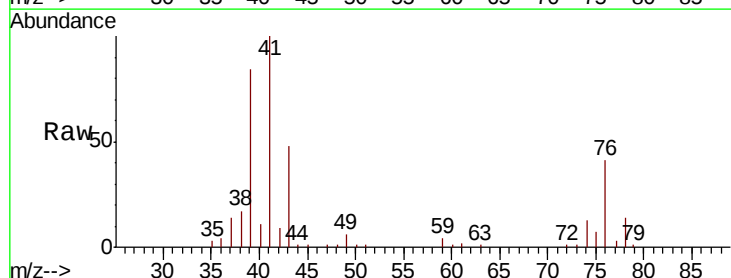
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#14
Allyl chloride
Concen: 59.332 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 41 Resp: 56332
Ion Ratio Lower Upper
41 100
39 80.2 69.5 104.3
76 41.4 34.8 52.2





#15

Acrylonitrile

Concen: 329.444 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

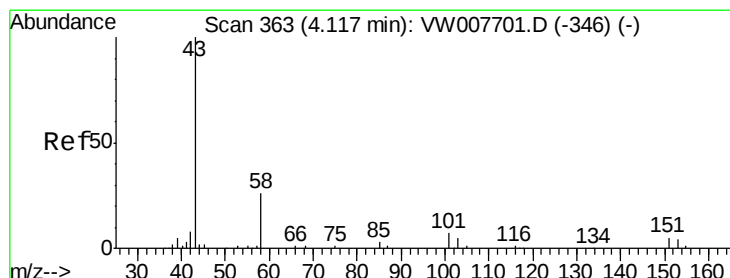
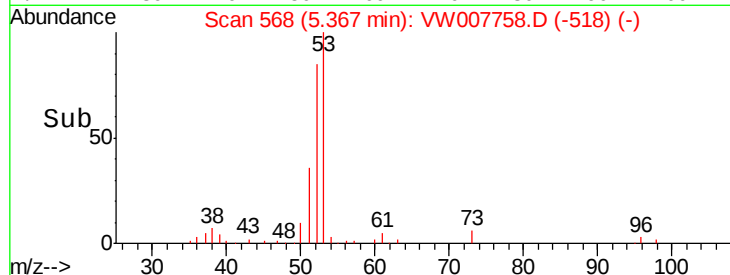
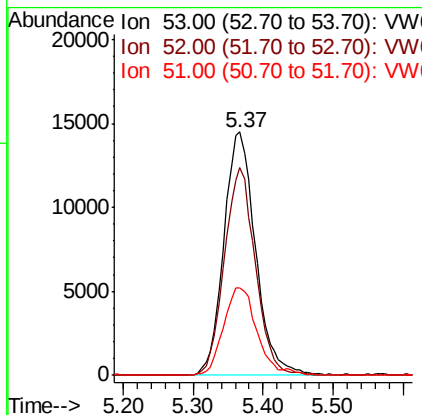
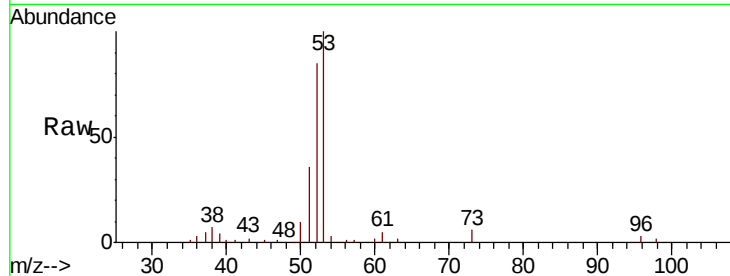
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion:	53	Resp:	45697
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.0	100.4
51	38.3	30.2	45.2

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#16

Acetone

Concen: 332.617 ug/l

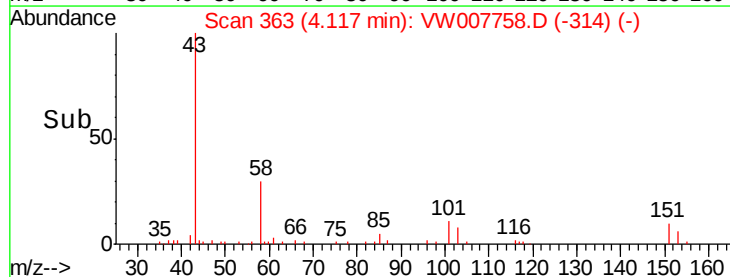
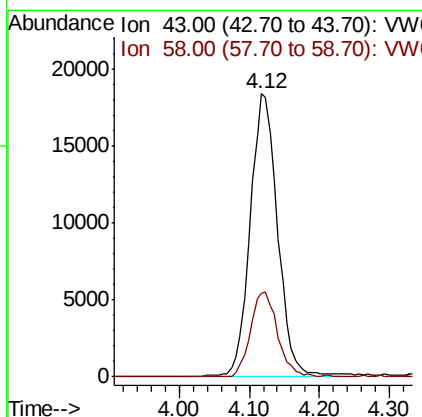
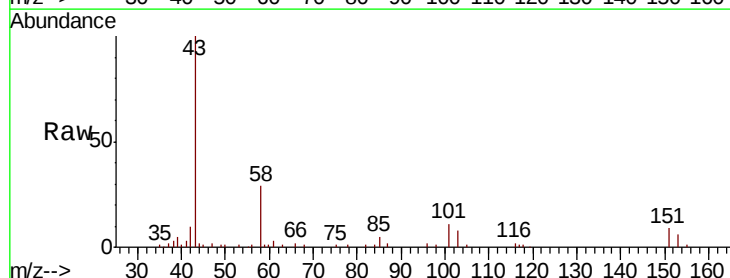
RT: 4.12 min Scan# 363

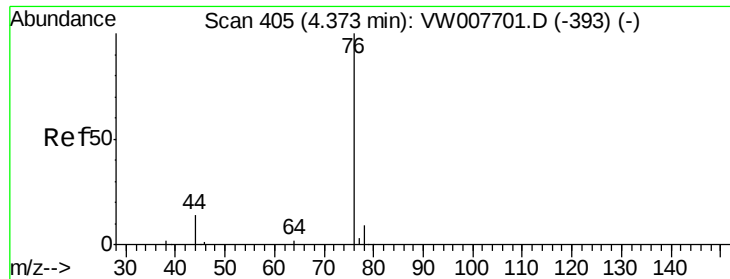
Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion:	43	Resp:	50097
Ion	Ratio	Lower	Upper
43	100		
58	29.4	21.2	31.8





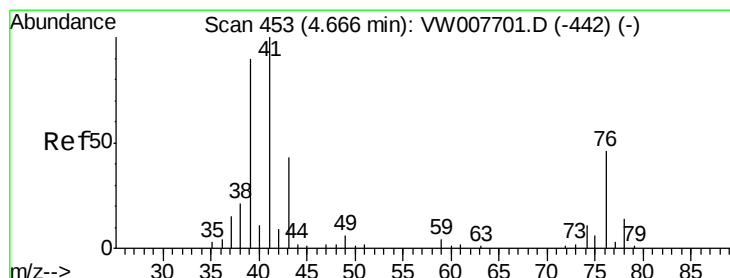
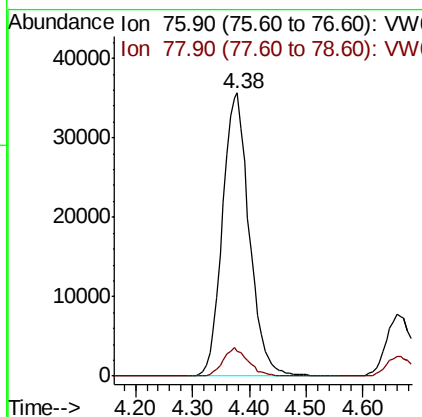
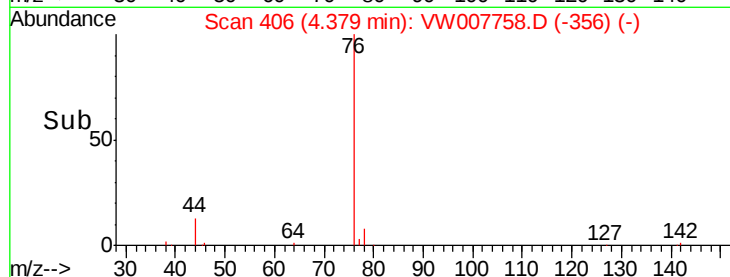
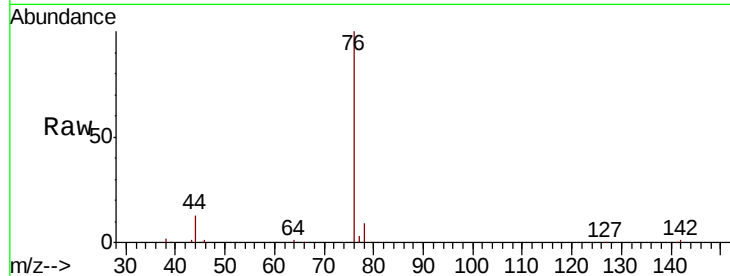
#17
Carbon Disulfide
Concen: 52.036 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

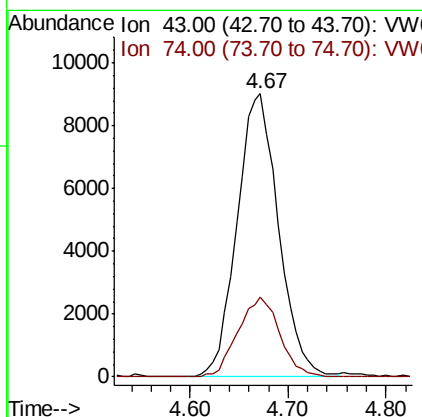
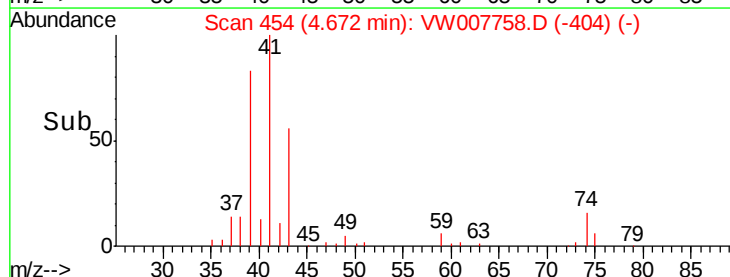
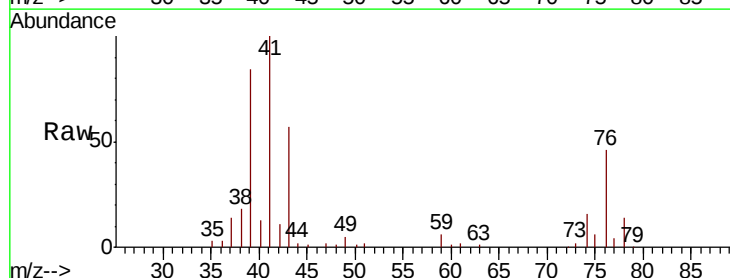
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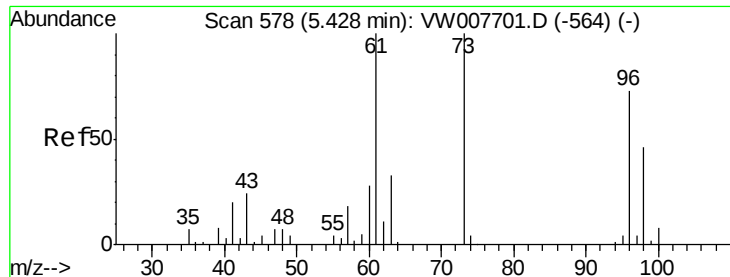
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#18
Methyl Acetate
Concen: 74.063 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	22.7	34.1





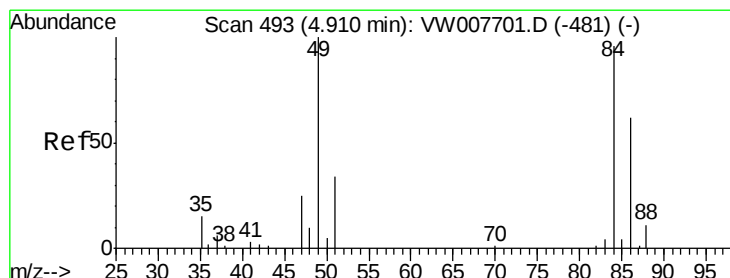
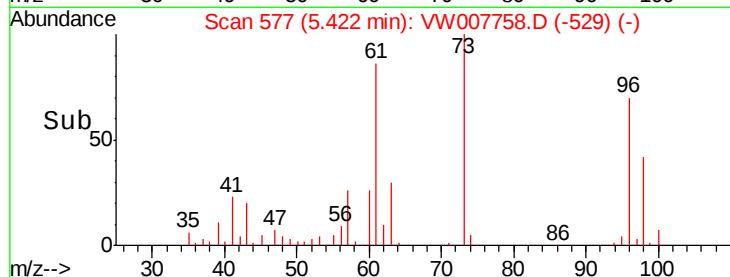
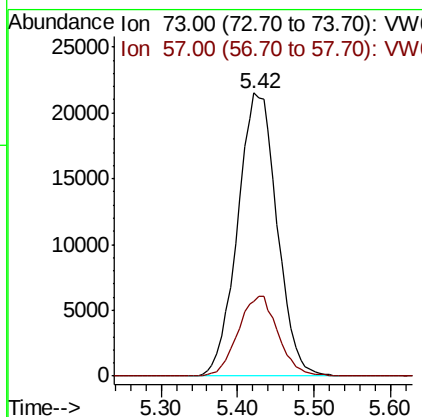
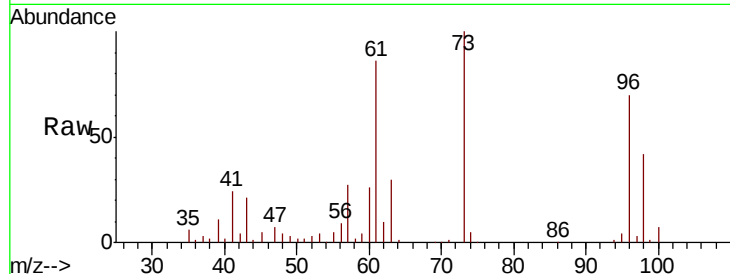
#19
Methyl tert-butyl Ether
Concen: 73.980 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion: 73 Resp: 76896
Ion Ratio Lower Upper
73 100
57 26.6 14.7 22.1#

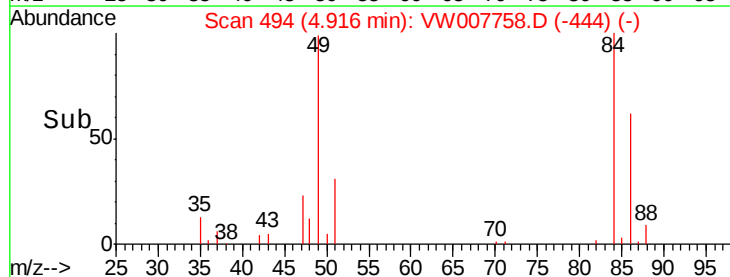
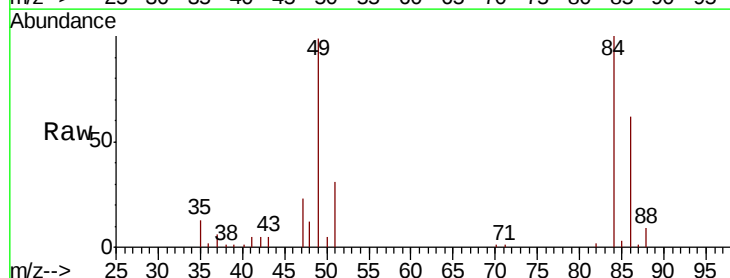
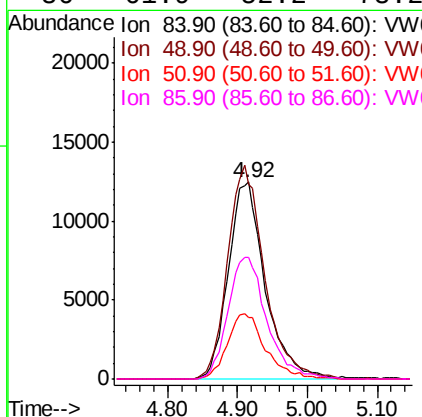
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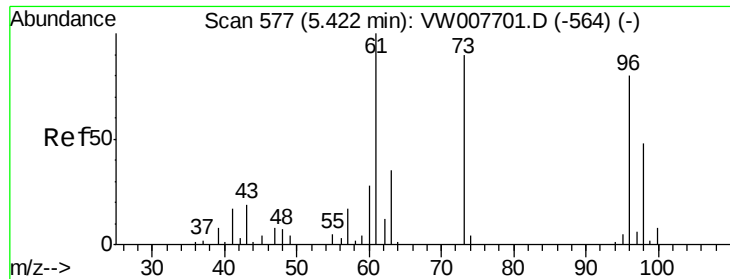
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#20
Methylene Chloride
Concen: 62.355 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 84 Resp: 45793
Ion Ratio Lower Upper
84 100
49 98.8 83.7 125.5
51 30.9 28.2 42.2
86 61.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 55.954 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

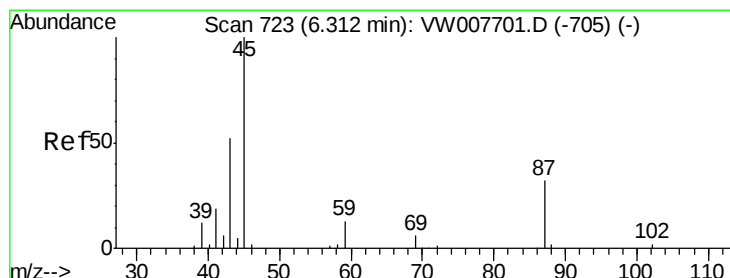
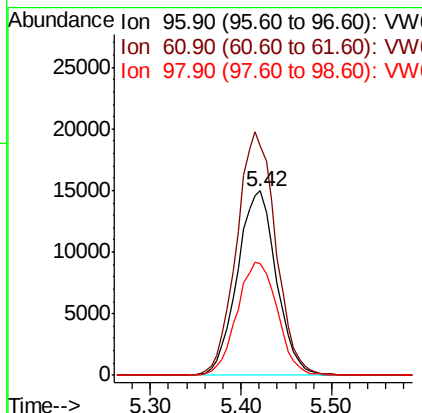
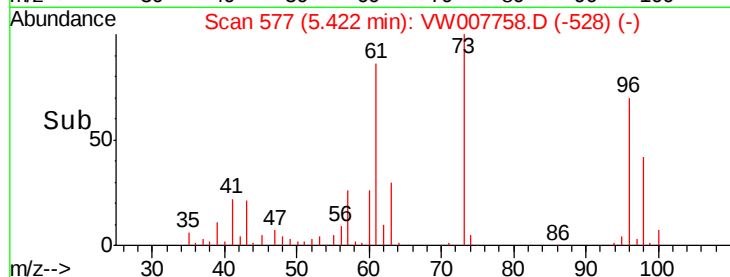
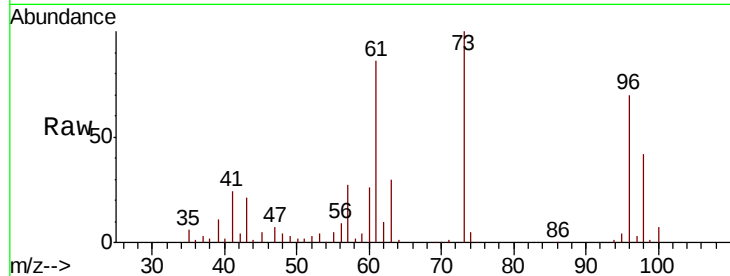
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion:	96	Resp:	44555
Ion	Ratio	Lower	Upper
96	100		
61	124.2	100.1	150.1
98	60.5	48.5	72.7

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#22

Diisopropyl ether

Concen: 64.015 ug/l

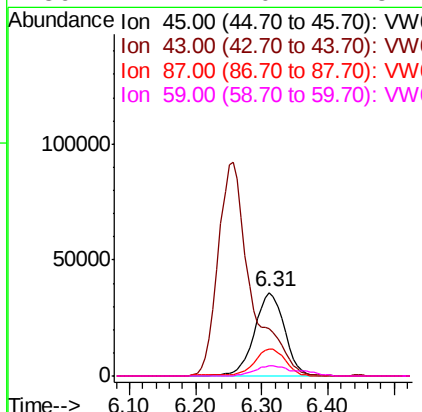
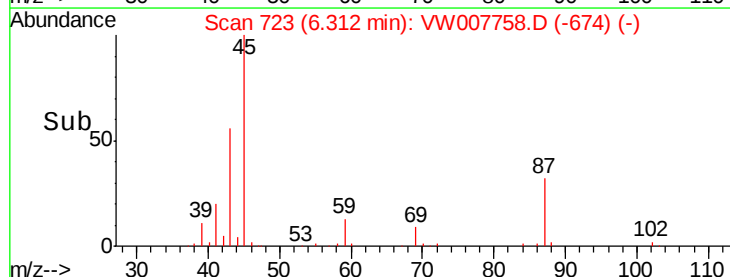
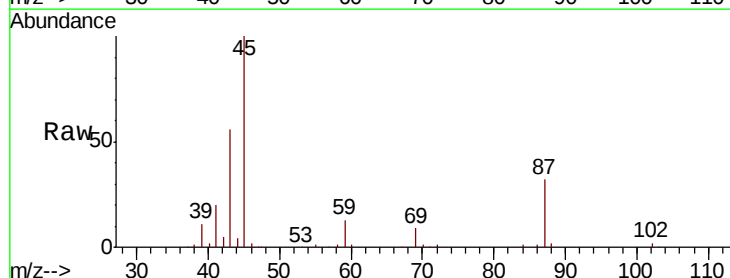
RT: 6.31 min Scan# 723

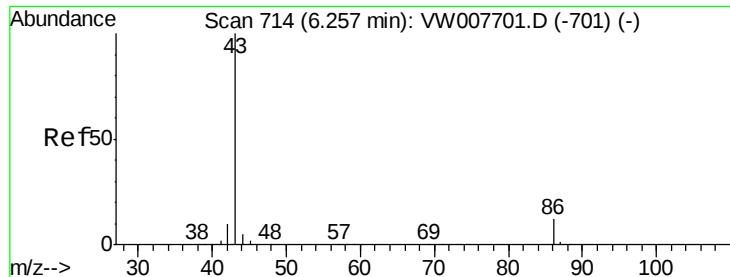
Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion:	45	Resp:	113806
Ion	Ratio	Lower	Upper
45	100		
43	56.0	43.7	65.5
87	31.6	26.6	40.0
59	12.4	10.2	15.2





#23

Vinyl Acetate

Concen: 300.687 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion: 43 Resp: 317598

Ion Ratio Lower Upper

43 100

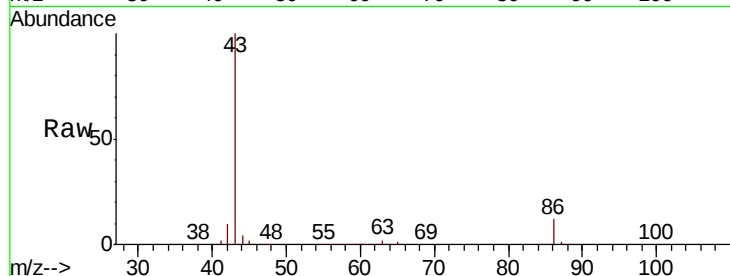
86 12.4 9.6 14.4

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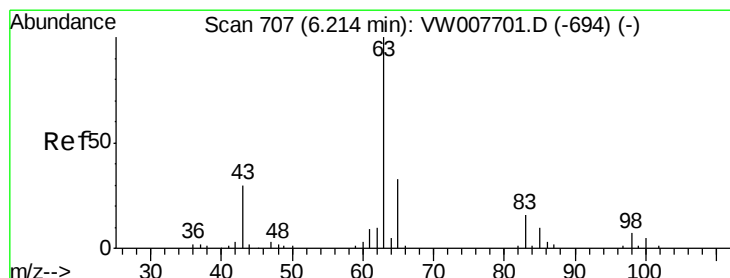
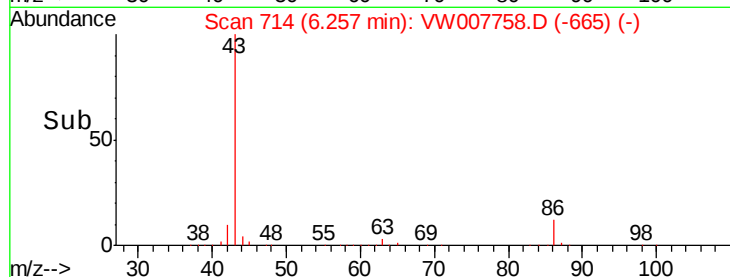
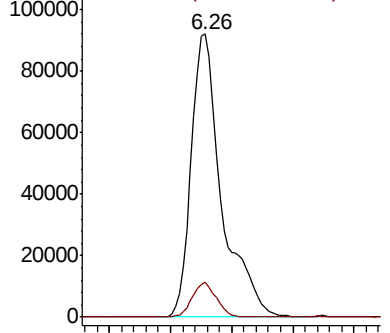
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 58.258 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

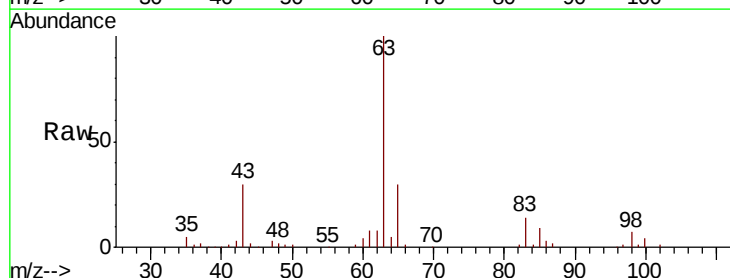
Tgt Ion: 63 Resp: 76193

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

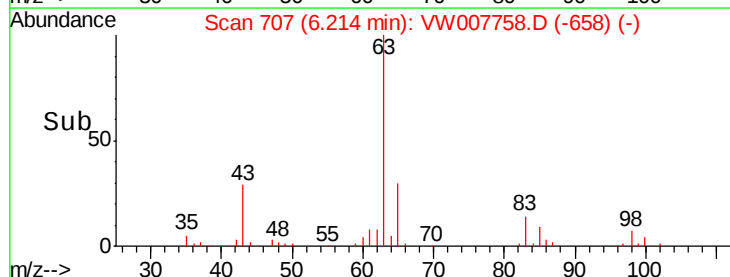
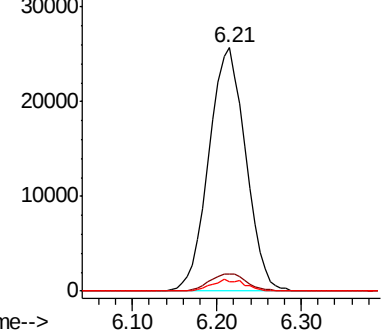
100 4.0 2.5 7.5

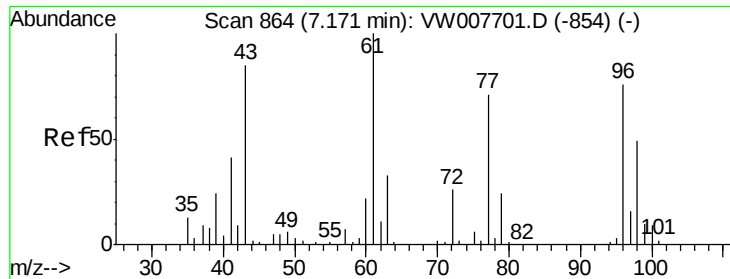


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





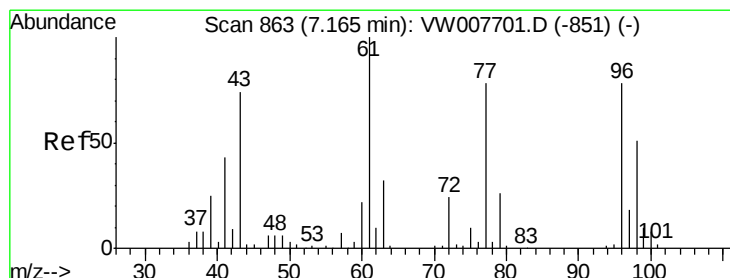
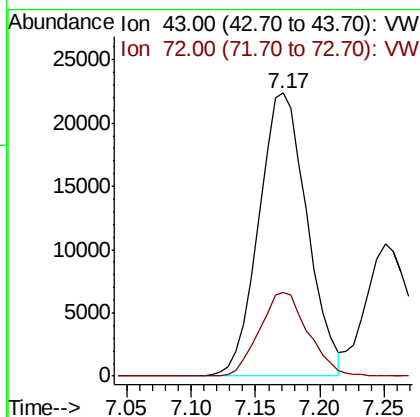
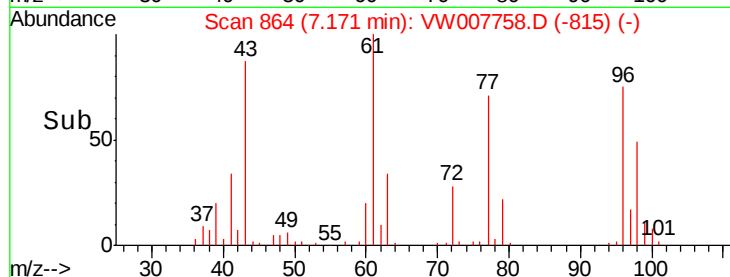
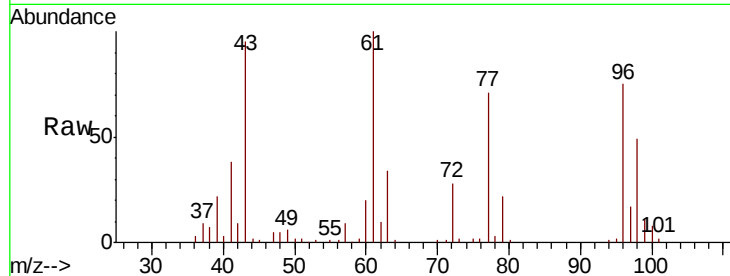
#25
2-Butanone
Concen: 330.461 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion: 43 Resp: 58298
Ion Ratio Lower Upper
43 100
72 29.6 24.5 36.7

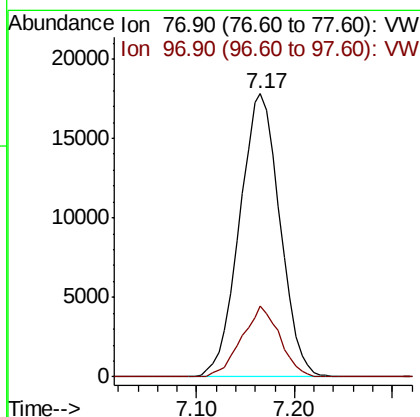
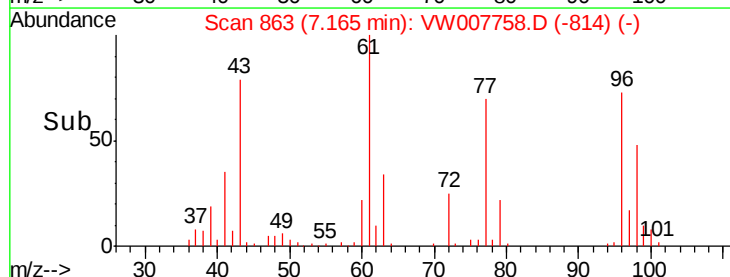
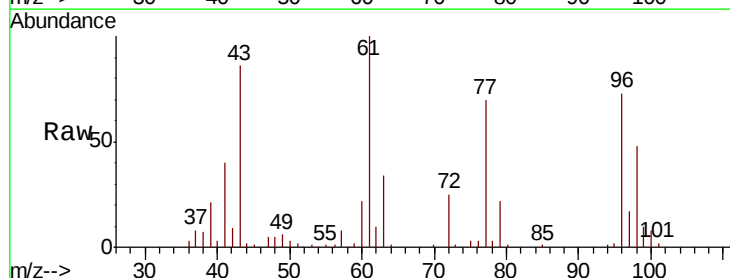
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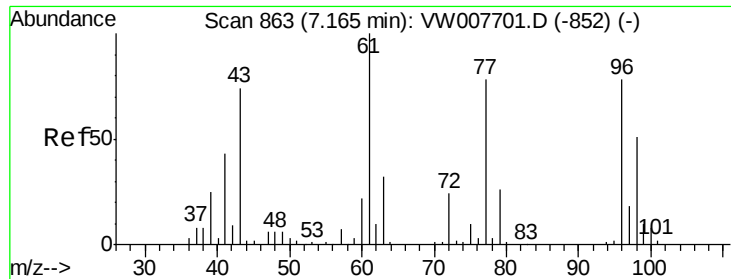
apatel
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#26
2,2-Dichloropropane
Concen: 53.369 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 77 Resp: 51076
Ion Ratio Lower Upper
77 100
97 23.7 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 58.538 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

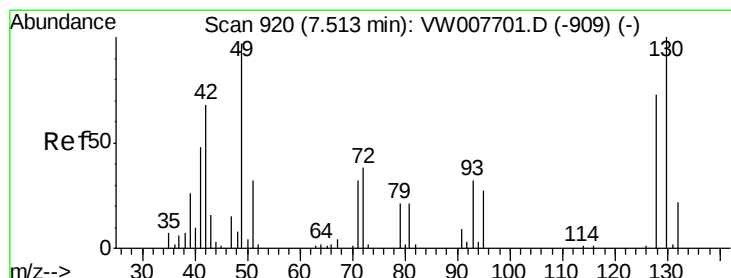
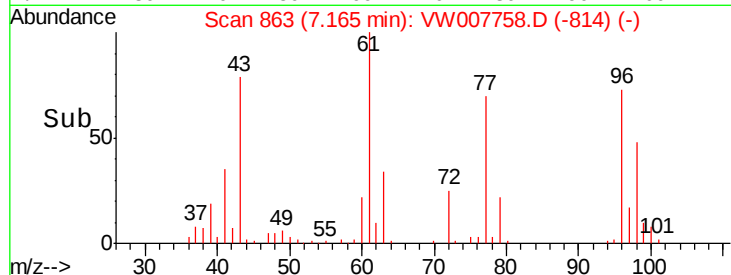
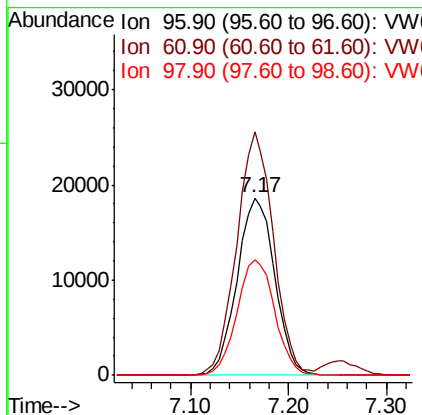
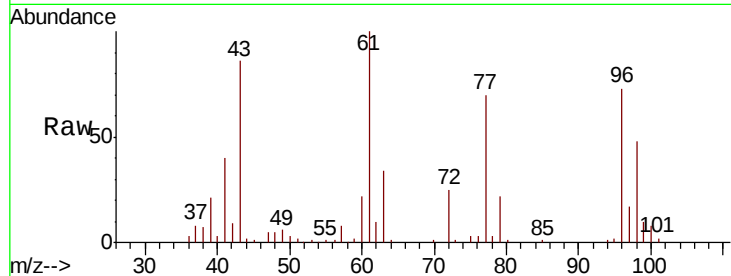
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion:	96	Resp:	49661
Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	271.6
98	65.3	0.0	131.2

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#28

Bromochloromethane

Concen: 62.543 ug/l

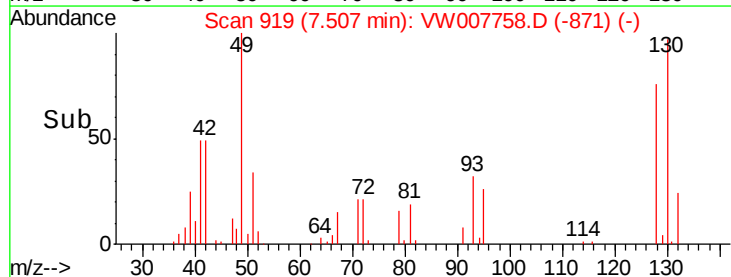
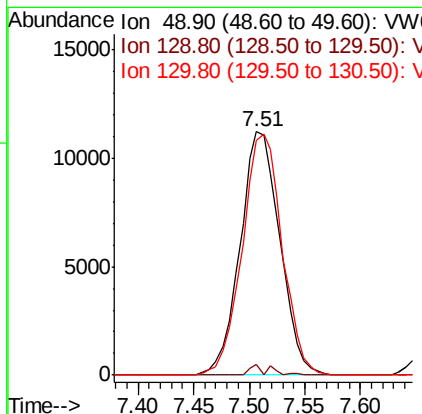
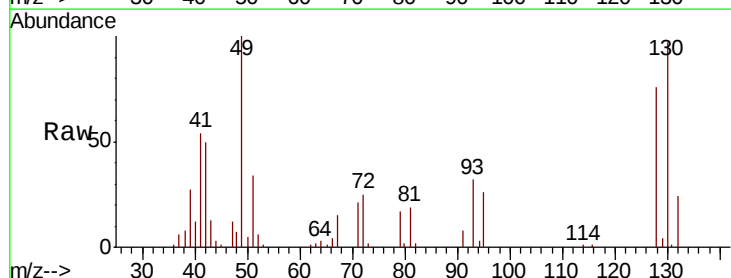
RT: 7.51 min Scan# 919

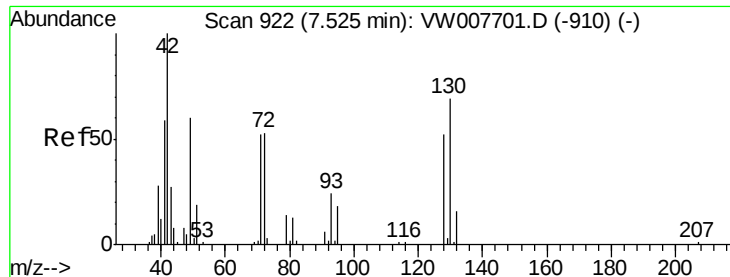
Delta R.T. -0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion:	49	Resp:	27889
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.2
130	99.3	81.5	122.3





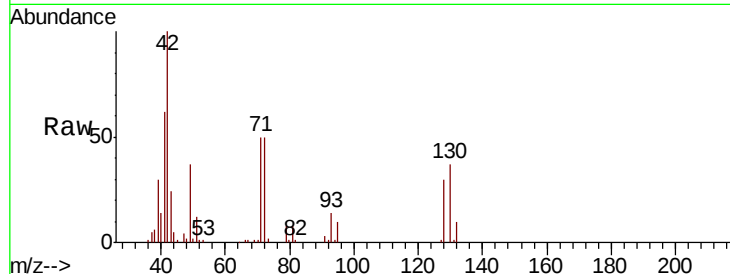
#29
Tetrahydrofuran
Concen: 352.919 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

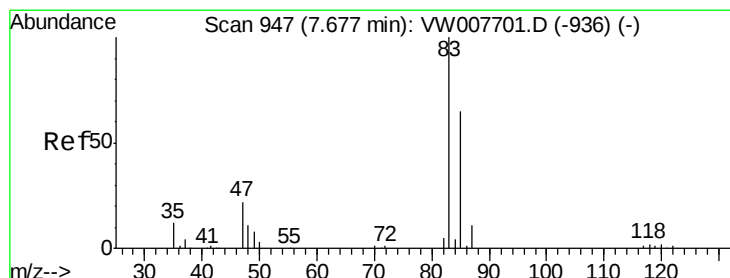
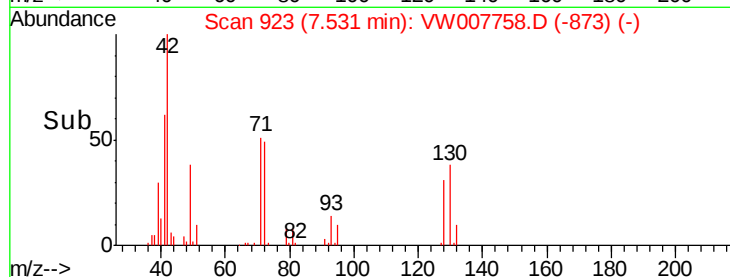
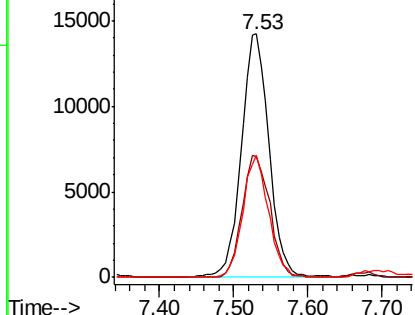
Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.1	41.7	62.5
71	46.5	39.0	58.6

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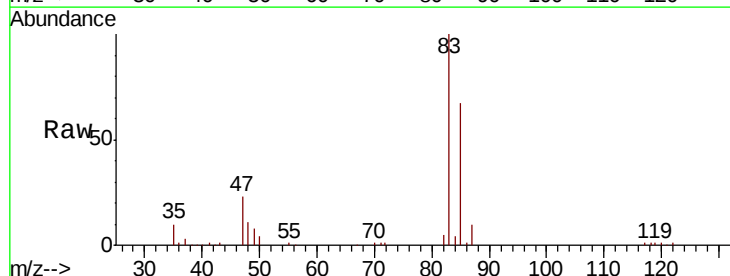


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

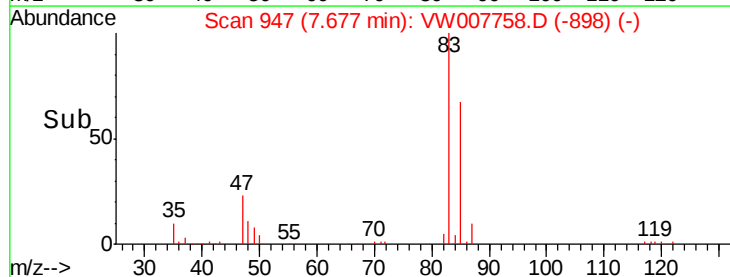
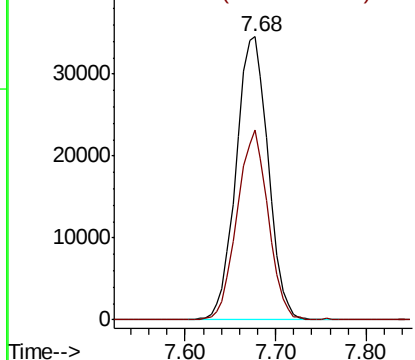


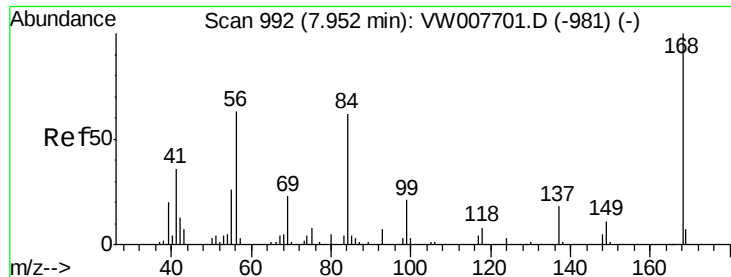
#30
Chloroform
Concen: 57.293 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.2	78.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





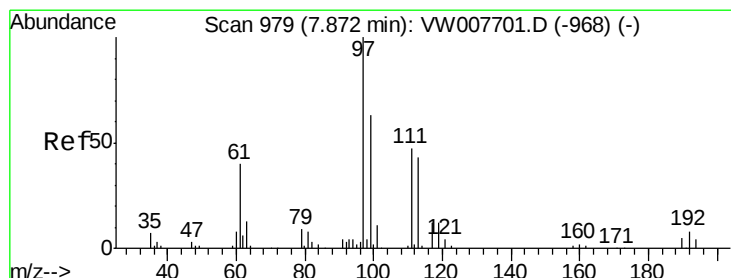
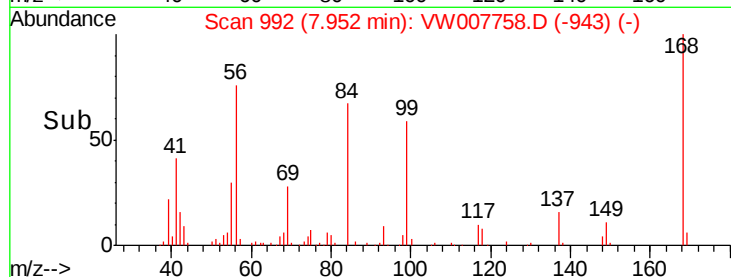
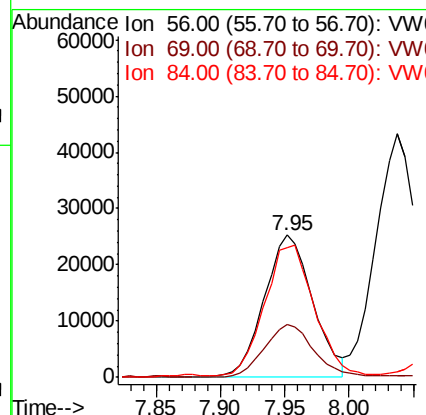
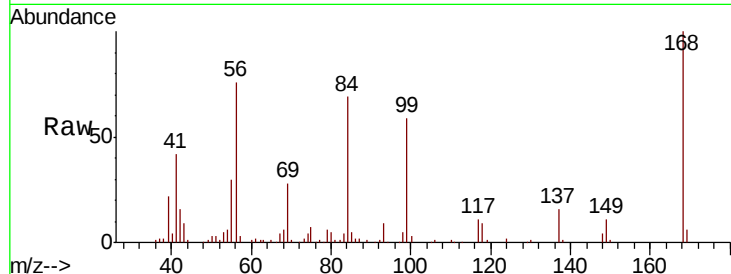
#31
Cyclohexane
Concen: 55.097 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion: 56 Resp: 65968
Ion Ratio Lower Upper
56 100
69 36.9 29.7 44.5
84 88.9 78.9 118.3

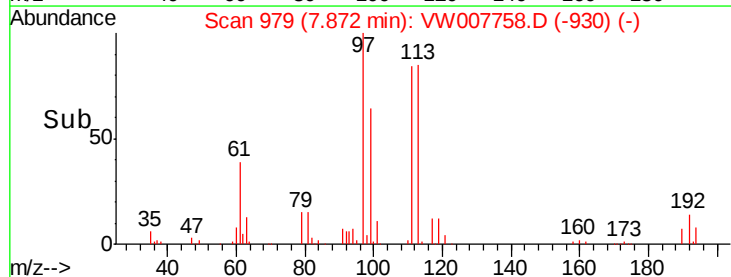
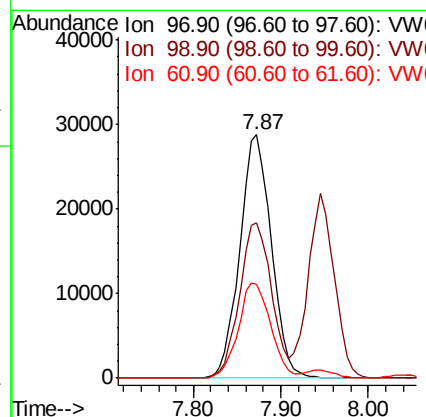
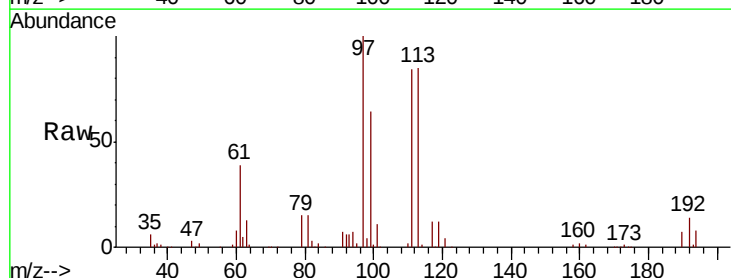
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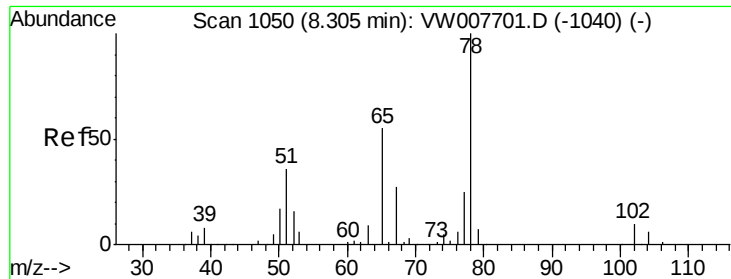
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#32
1,1,1-Trichloroethane
Concen: 53.565 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 97 Resp: 72205
Ion Ratio Lower Upper
97 100
99 64.6 50.6 76.0
61 40.2 32.3 48.5





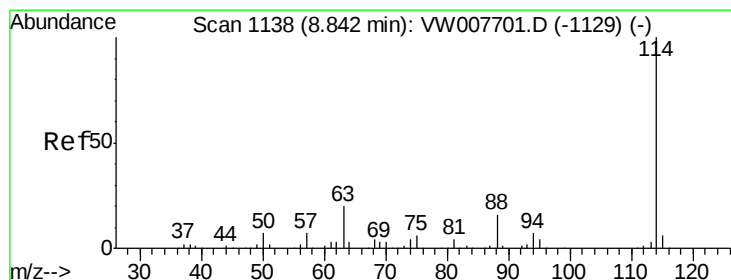
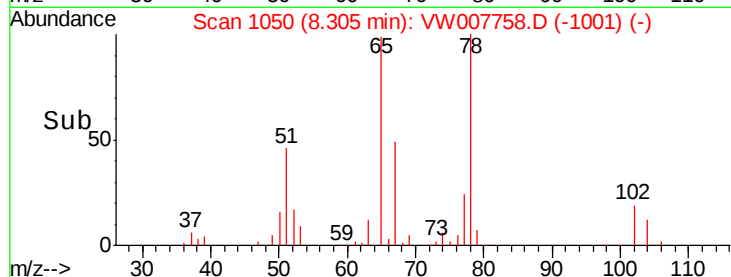
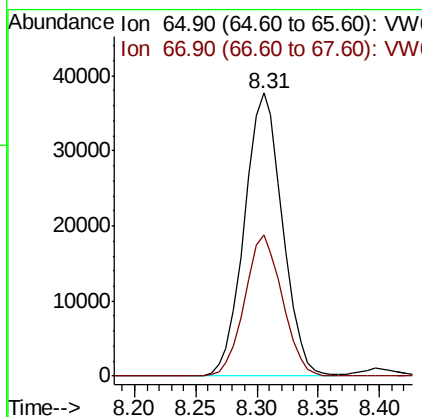
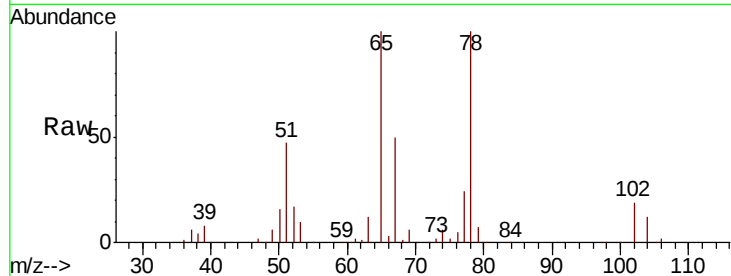
#33
 1,2-Dichloroethane-d4
 Concen: 101.567 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tgt Ion: 65 Resp: 81691
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 100.6

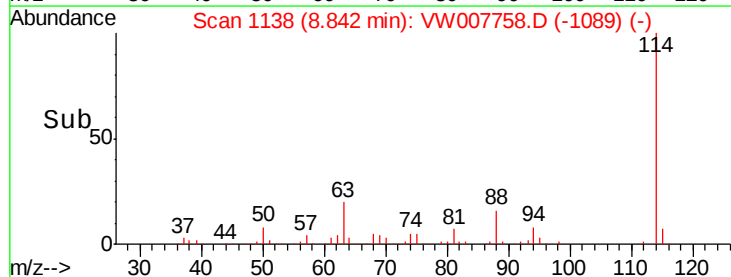
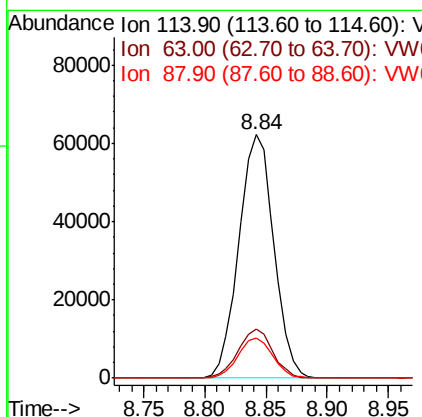
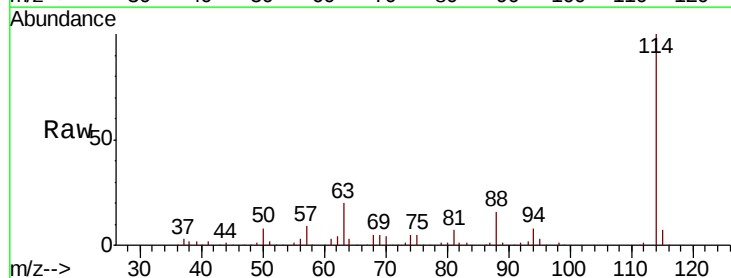
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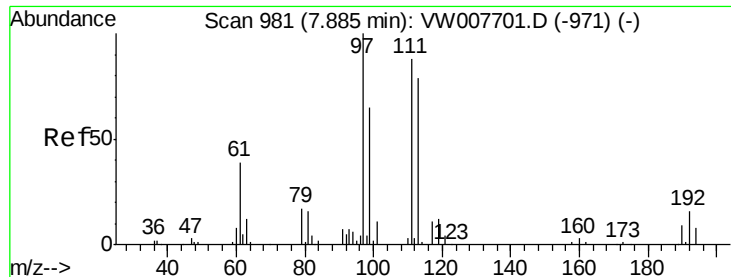
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 114 Resp: 123678
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 95.003 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

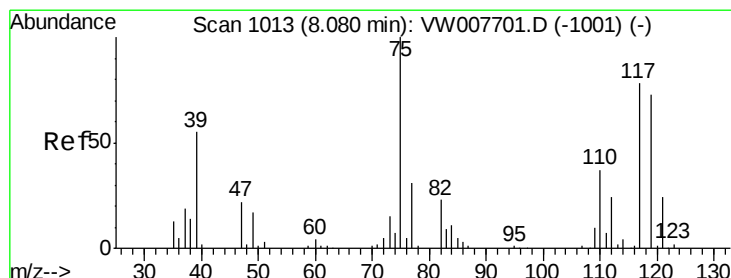
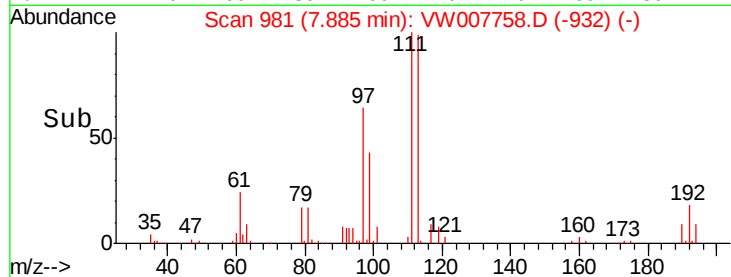
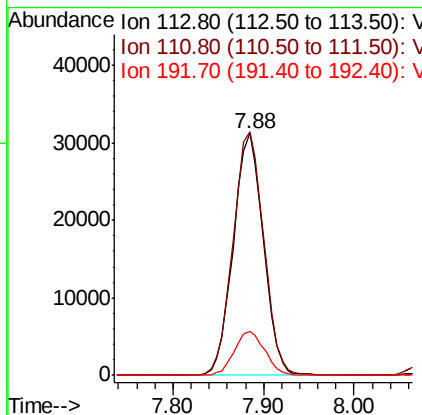
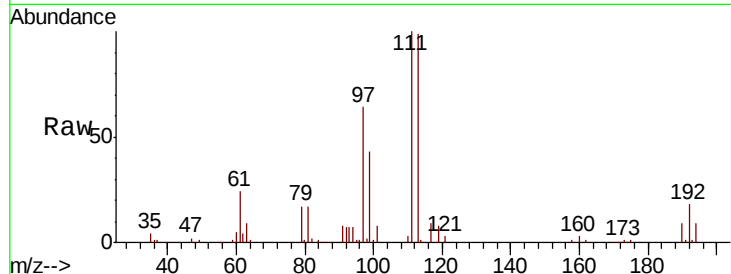
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion:	113	Resp:	71680
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.6	124.0
192	18.4	15.5	23.3

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#36

1,1-Dichloropropene

Concen: 51.171 ug/l

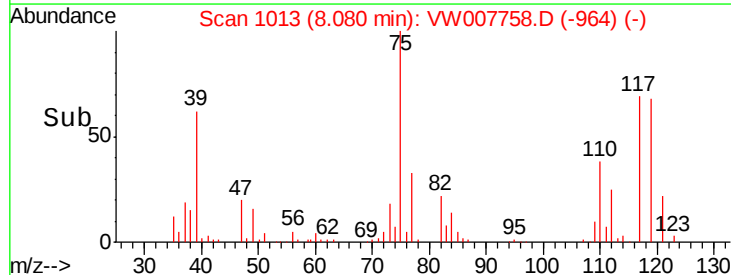
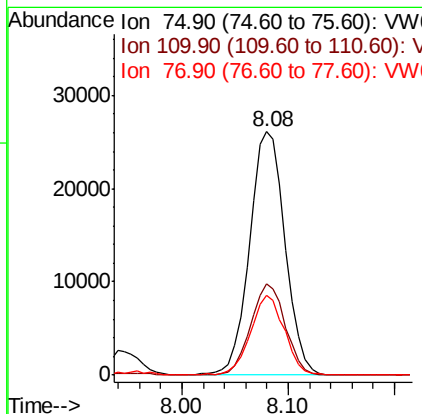
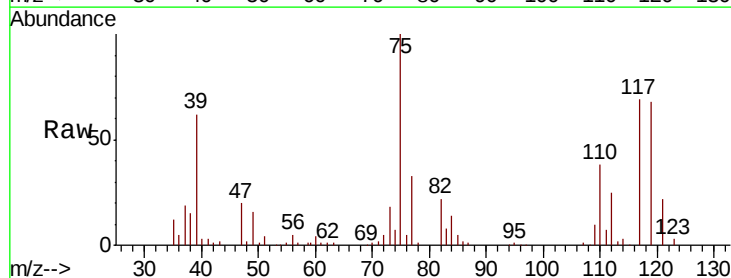
RT: 8.08 min Scan# 1013

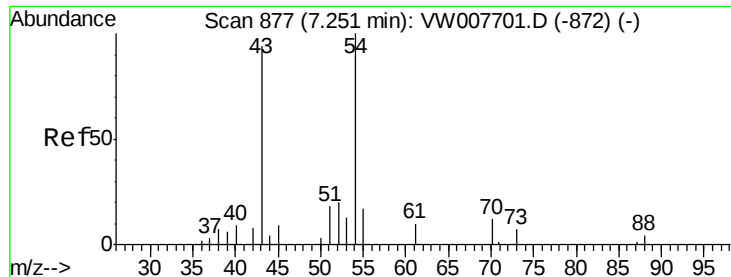
Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion:	75	Resp:	61084
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.6	55.8
77	31.4	25.0	37.4





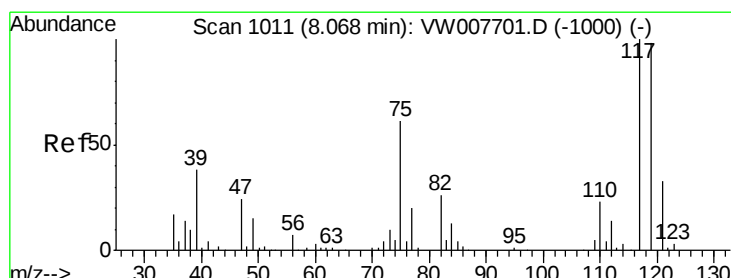
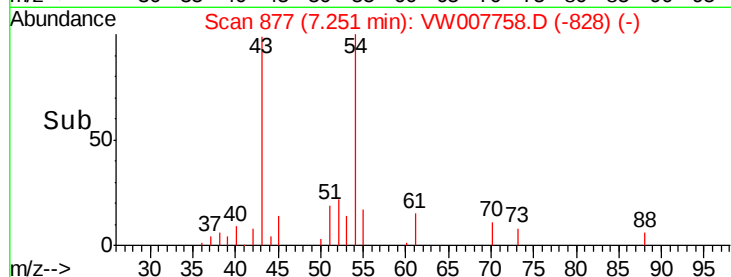
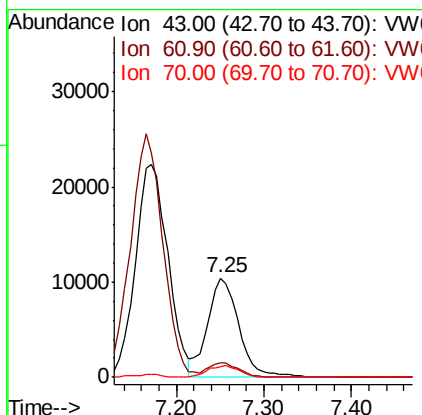
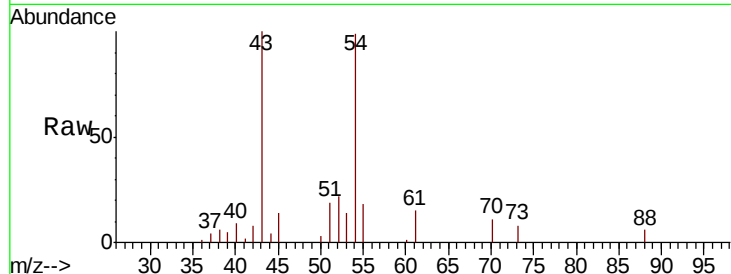
#37
Ethyl Acetate
Concen: 63.772 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion: 43 Resp: 26272
Ion Ratio Lower Upper
43 100
61 14.3 11.2 16.8
70 11.7 9.3 13.9

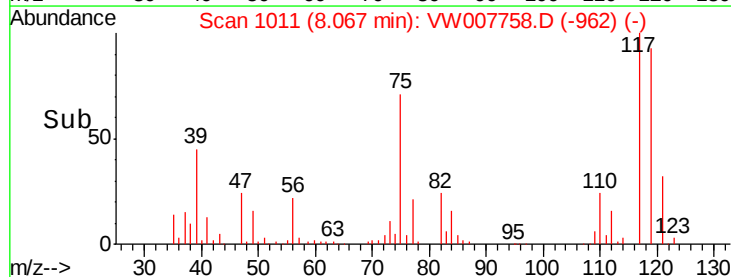
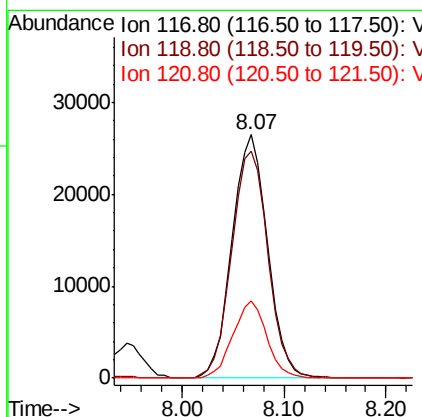
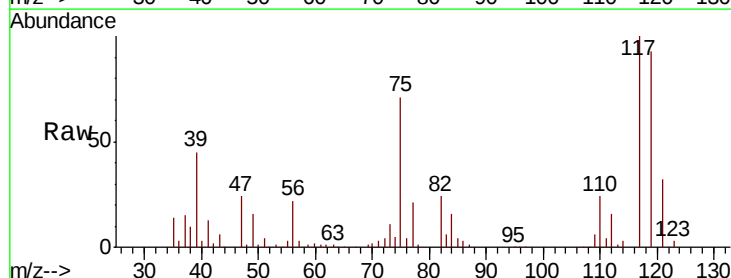
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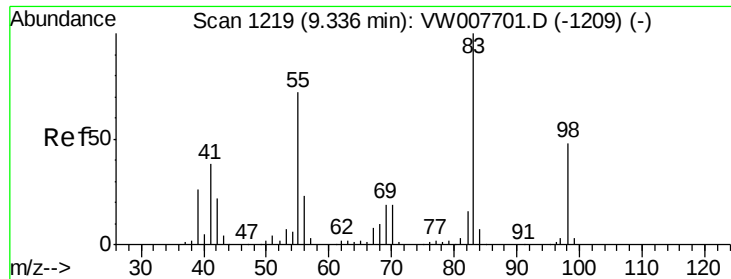
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#38
Carbon Tetrachloride
Concen: 45.536 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 117 Resp: 64016
Ion Ratio Lower Upper
117 100
119 93.0 78.2 117.2
121 31.7 26.1 39.1





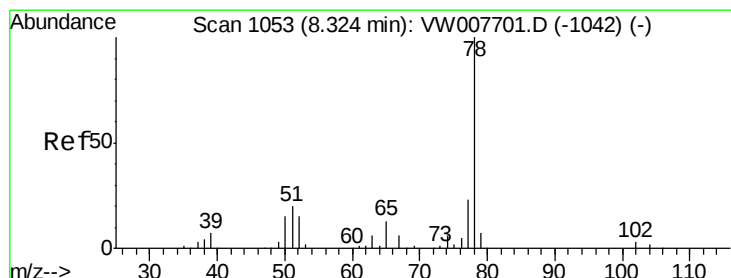
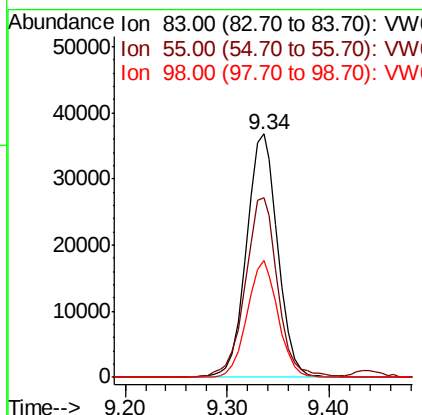
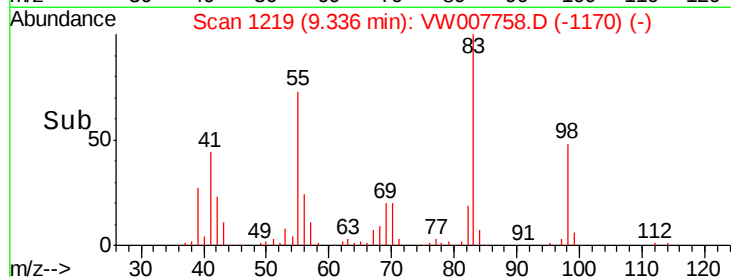
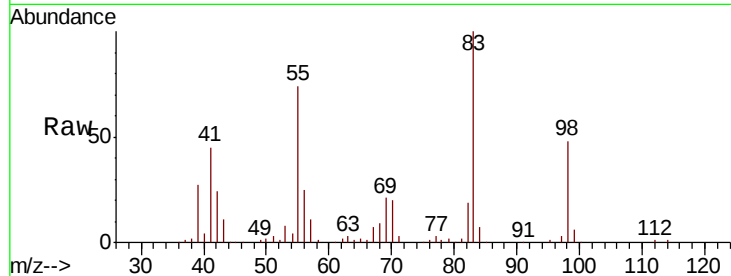
#39
Methylcyclohexane
Concen: 52.670 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion: 83 Resp: 78127
Ion Ratio Lower Upper
83 100
55 73.7 57.2 85.8
98 48.1 38.6 58.0

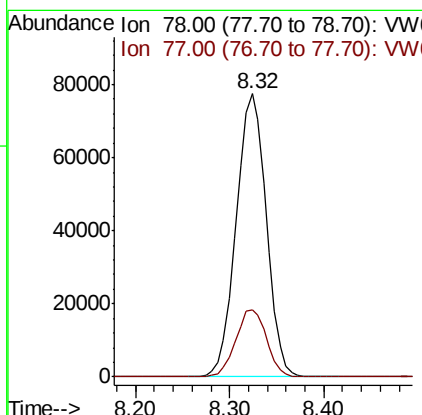
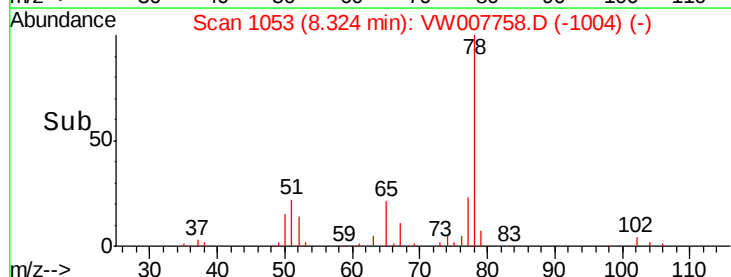
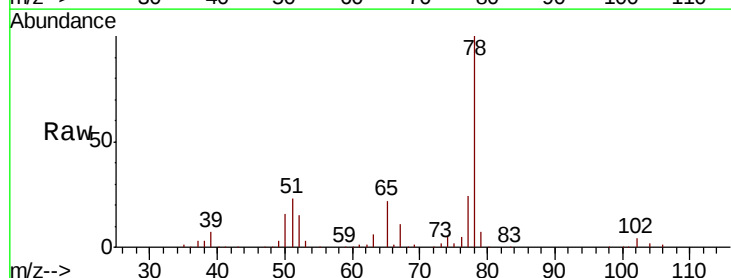
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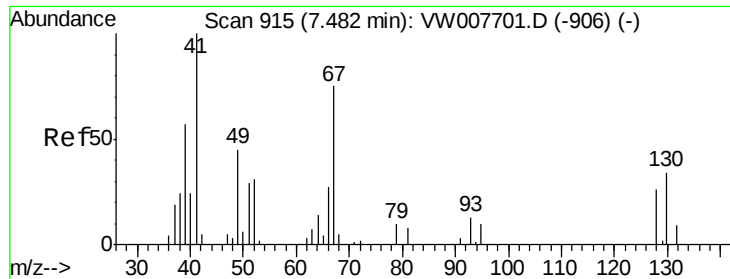
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#40
Benzene
Concen: 54.201 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 78 Resp: 172653
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1





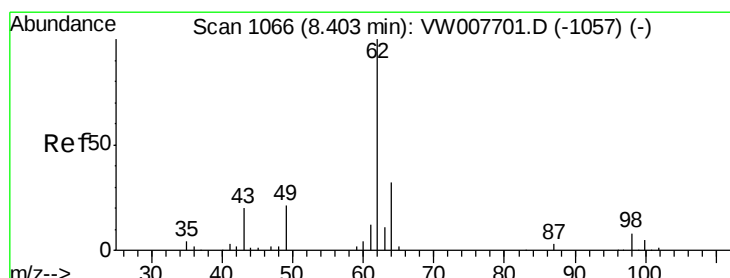
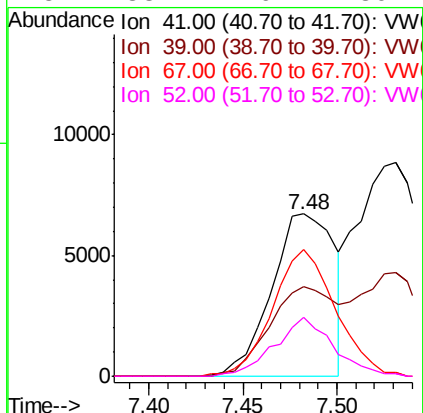
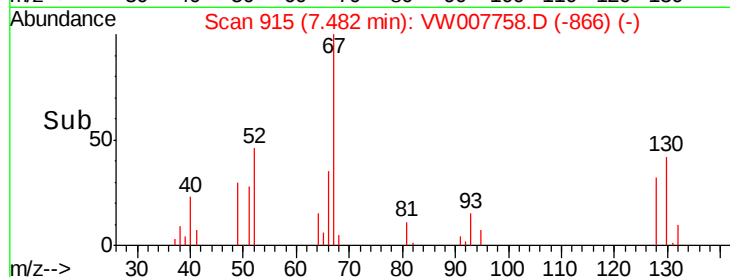
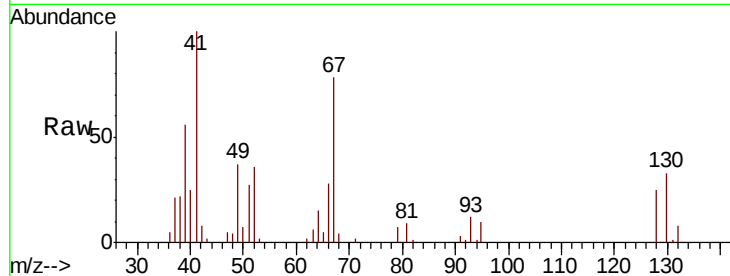
#41
Methacrylonitrile
Concen: 66.966 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.9	54.2	81.4
67	77.8	65.7	98.5
52	33.7	26.2	39.4

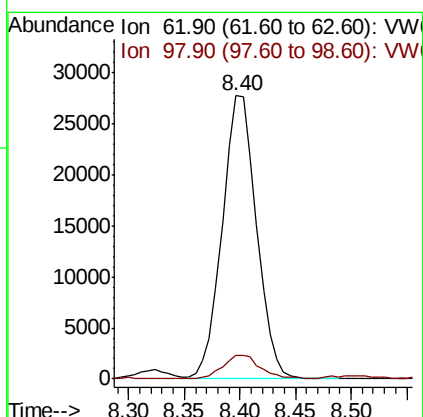
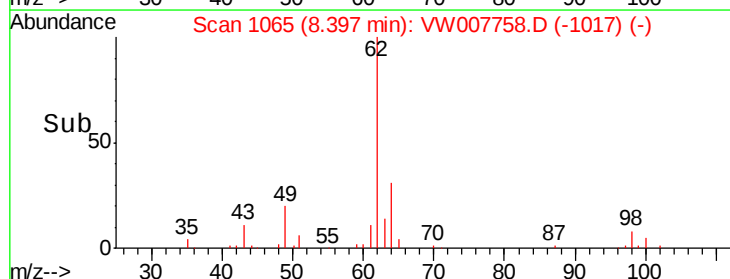
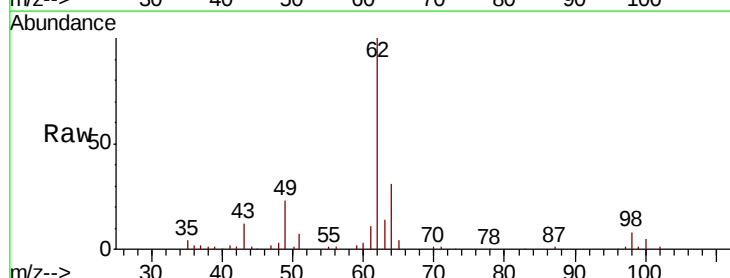
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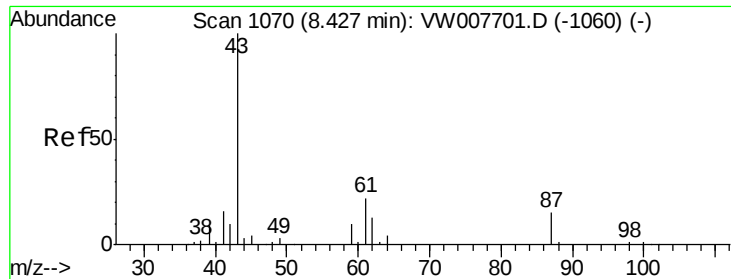
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#42
1,2-Dichloroethane
Concen: 55.537 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 67.172 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

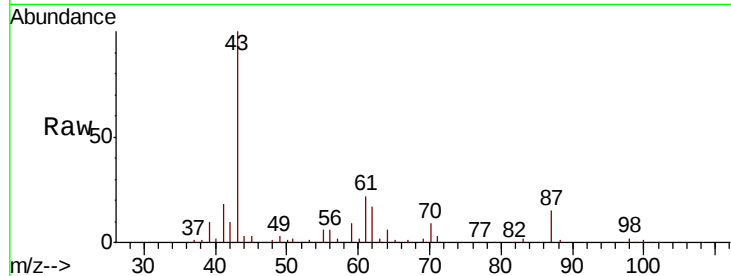
ClientSampleId :

KY001SB106-121218-(8-10)MS

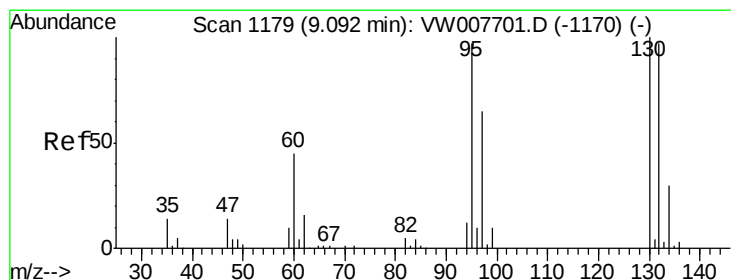
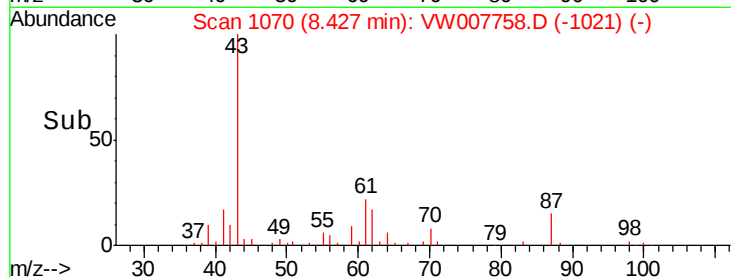
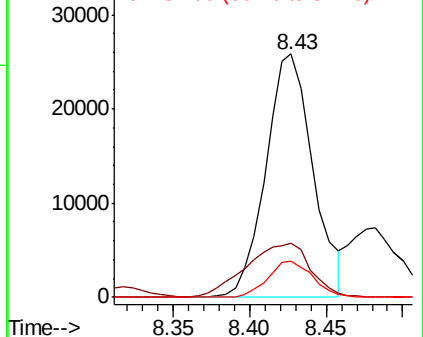
Tgt Ion:	43	Resp:	55441
Ion	Ratio	Lower	Upper
43	100		
61	29.9	26.3	39.5
87	14.2	12.0	18.0

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Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.658 ug/l

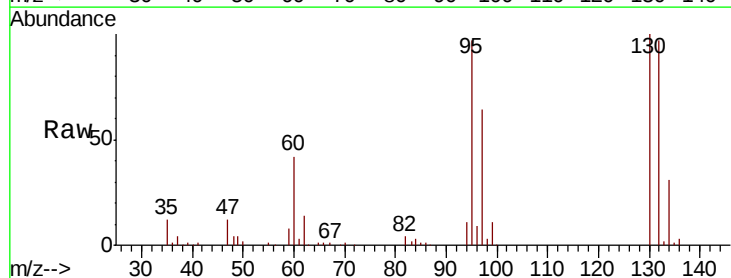
RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

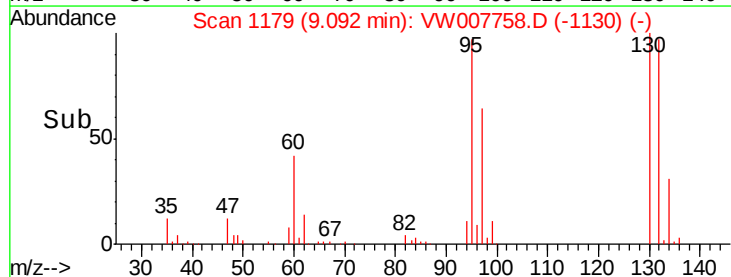
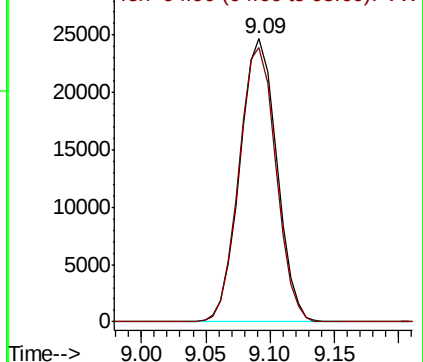
Lab File: VW007758.D

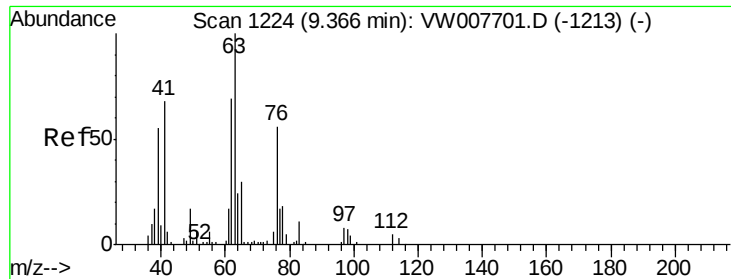
Acq: 20 Dec 2018 20:08

Tgt Ion:	130	Resp:	48800
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	194.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





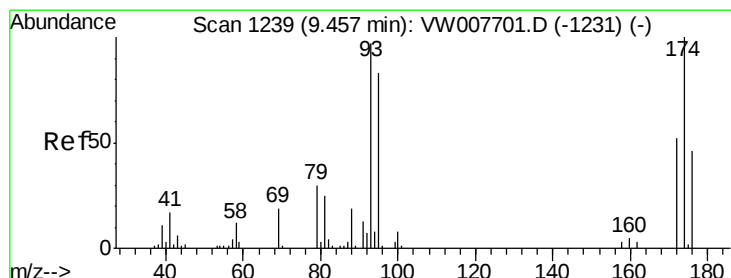
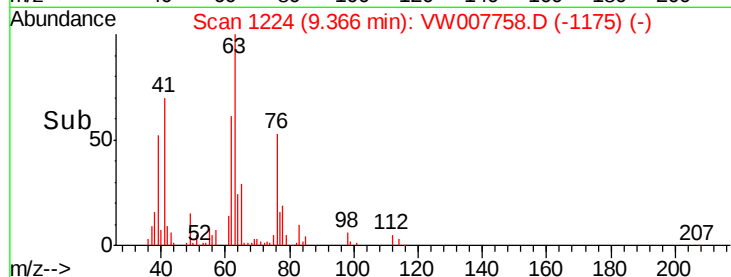
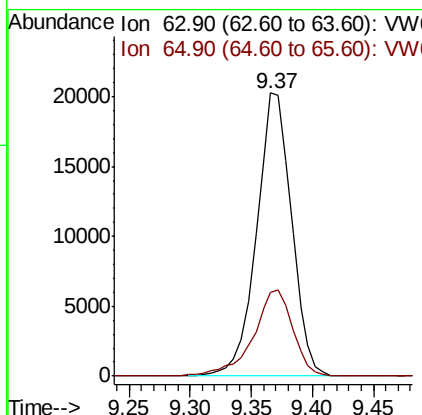
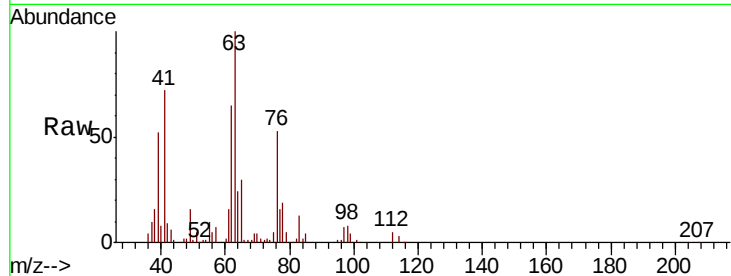
#45
 1,2-Dichloropropane
 Concen: 57.130 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tgt Ion: 63 Resp: 40380
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.8 35.8

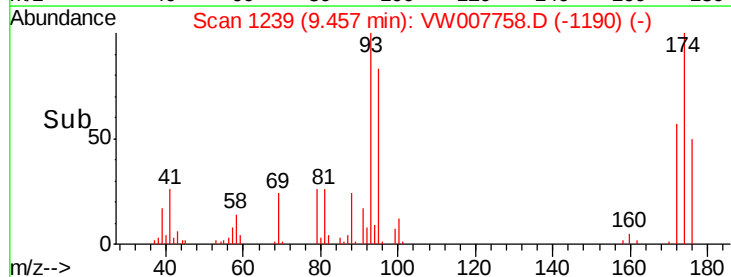
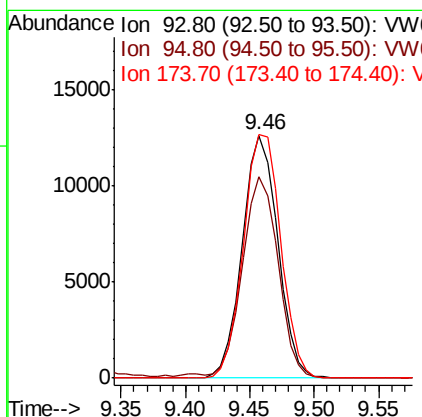
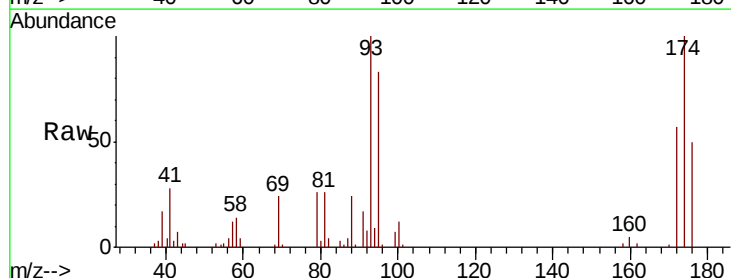
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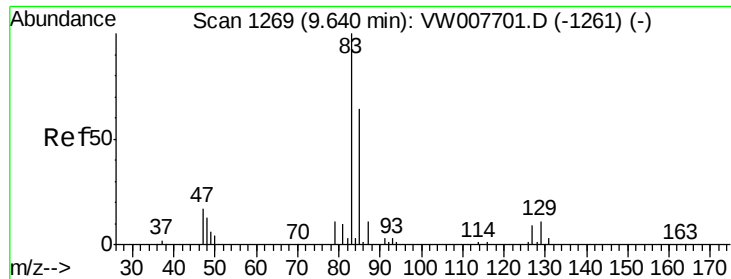
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#46
 Dibromomethane
 Concen: 55.400 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 93 Resp: 24104
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.5 101.3
 174 105.6 83.9 125.9





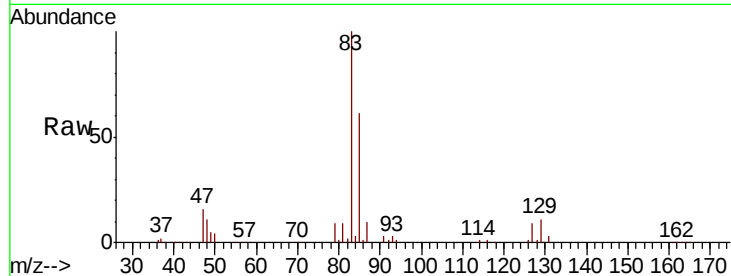
#47
Bromodichloromethane
Concen: 53.538 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

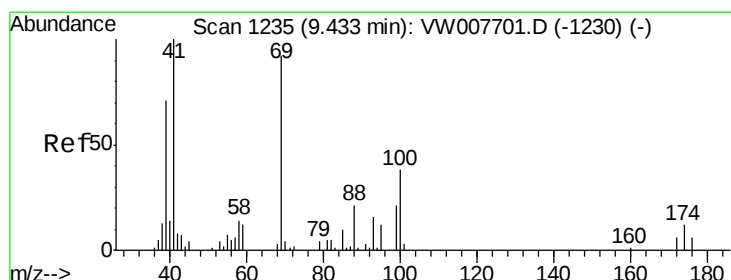
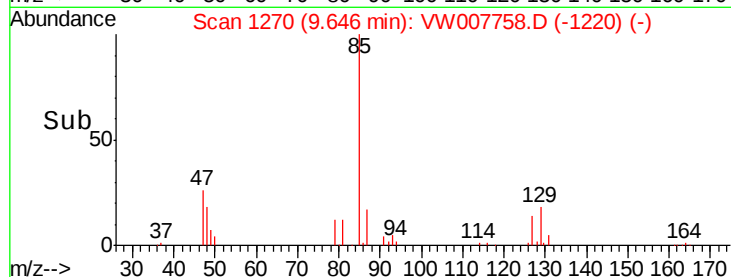
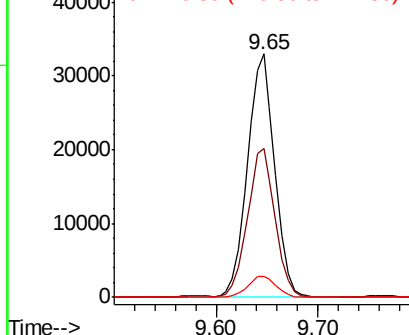
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	61238		
85	61.4	51.4	77.0	
127	8.7	7.5	11.3	

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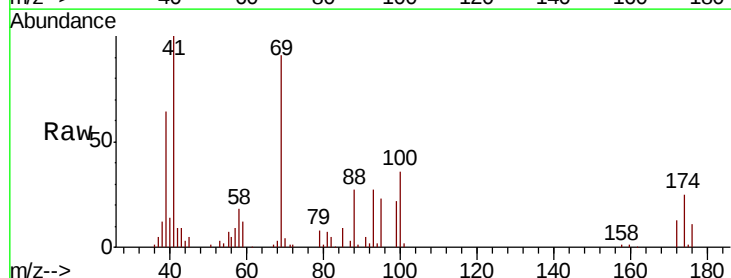


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

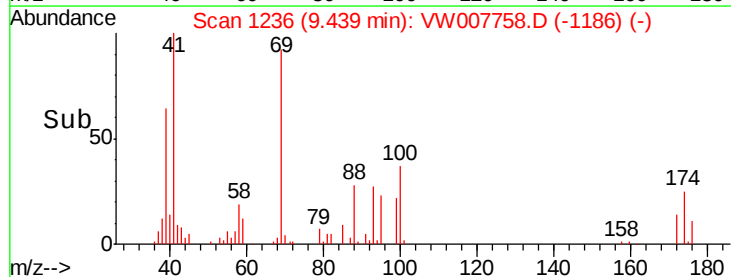
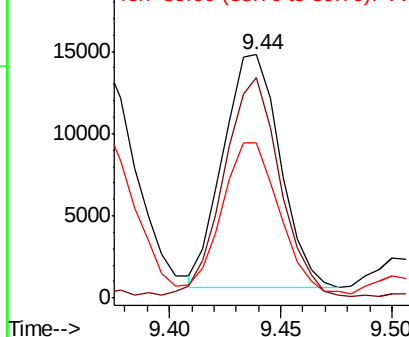


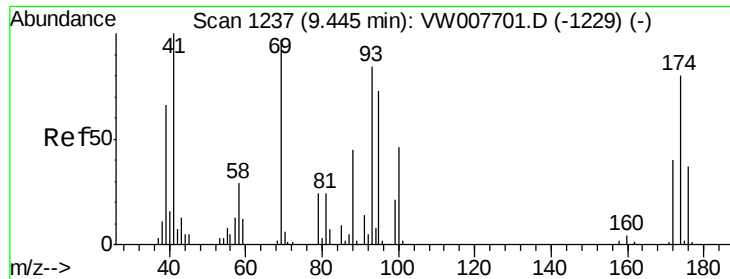
#48
Methyl methacrylate
Concen: 61.216 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	25220		
69	94.9	74.2	111.2	
39	70.6	53.9	80.9	



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





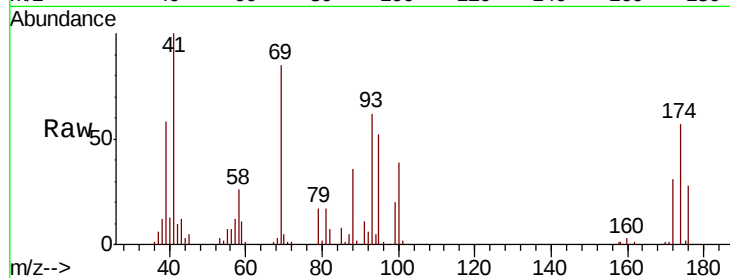
#49
1,4-Dioxane
Concen: 1329.330 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	9170		
43	32.9	25.6	38.4	
58	68.6	52.3	78.5	

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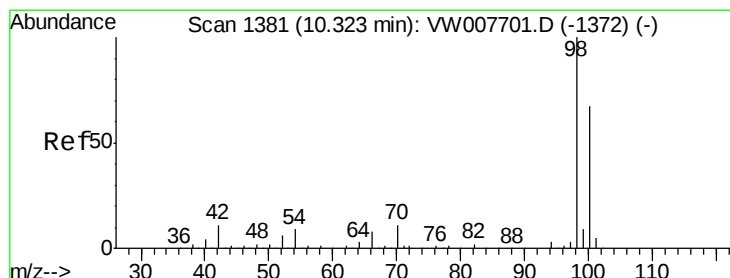
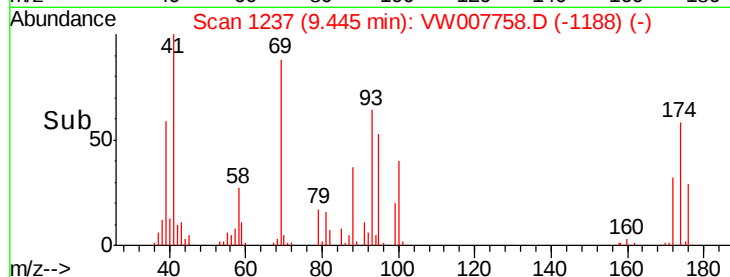
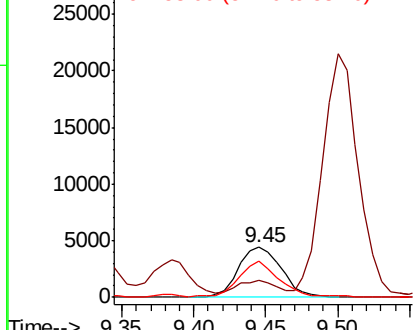


Abundance

Ion 88.00 (87.70 to 88.70): VW

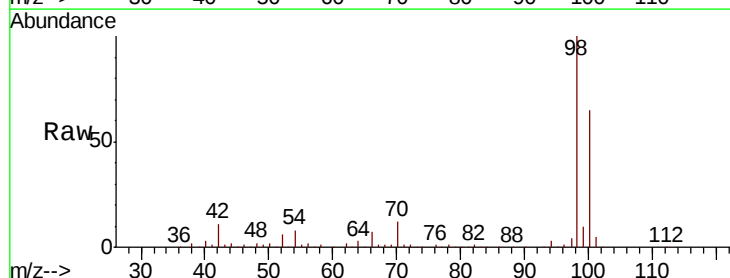
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 87.624 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

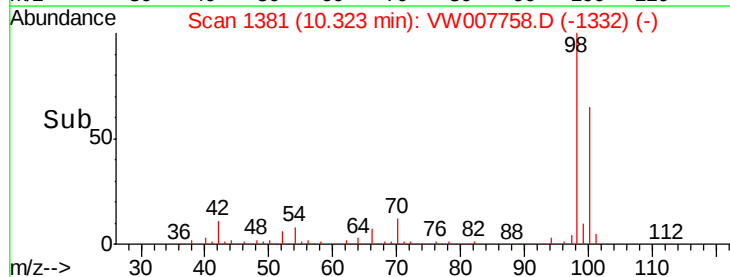
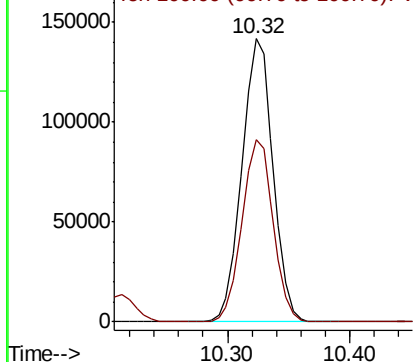
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	249234		
100	64.7	52.2	78.2	



Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





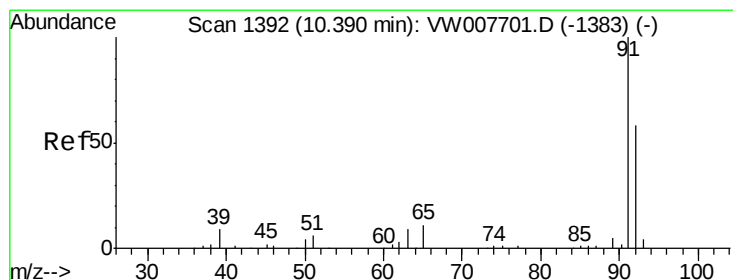
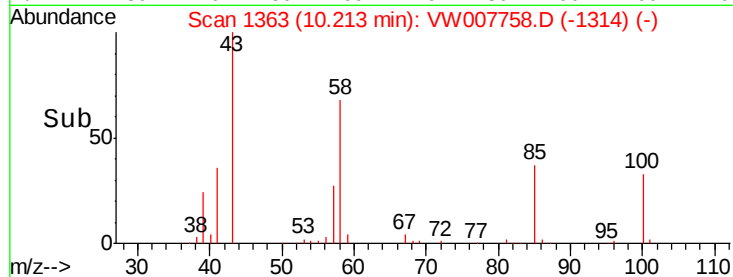
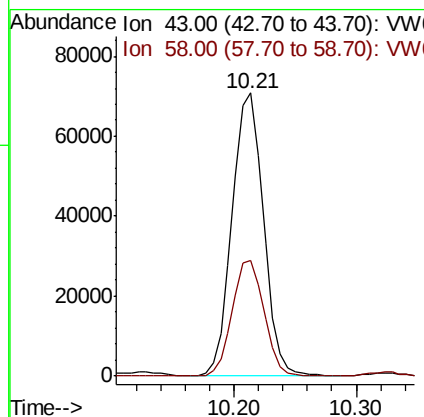
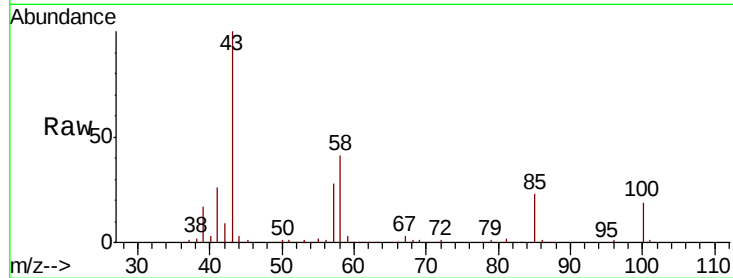
#51
4-Methyl-2-Pentanone
Concen: 321.562 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion: 43 Resp: 125429
Ion Ratio Lower Upper
43 100
58 41.6 33.2 49.8

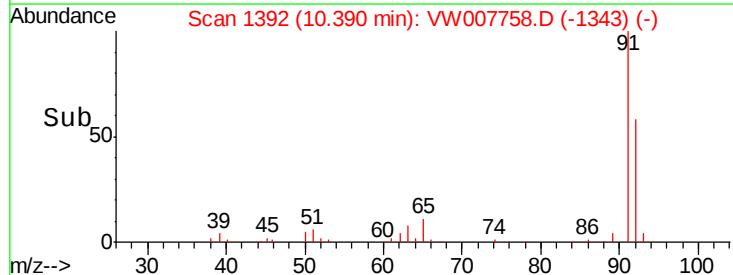
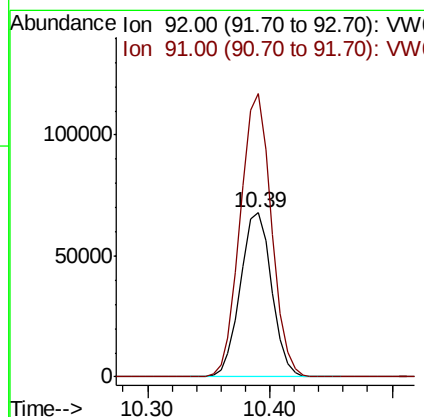
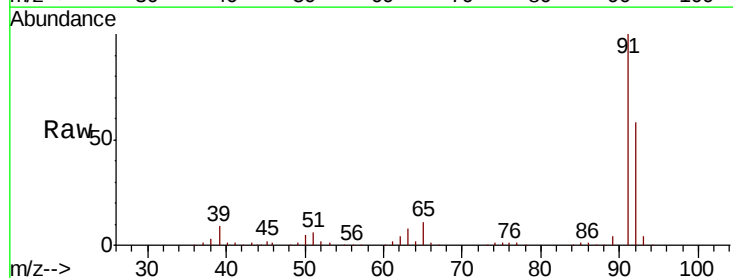
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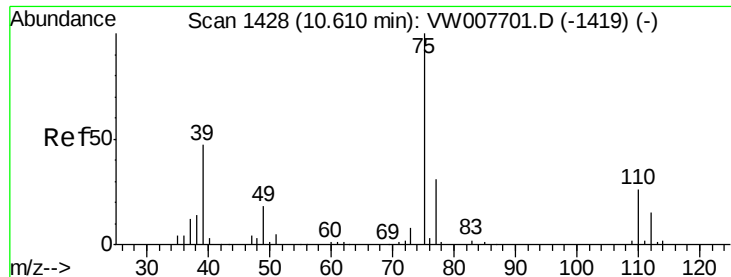
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#52
Toluene
Concen: 56.664 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 92 Resp: 121102
Ion Ratio Lower Upper
92 100
91 171.2 137.0 205.4





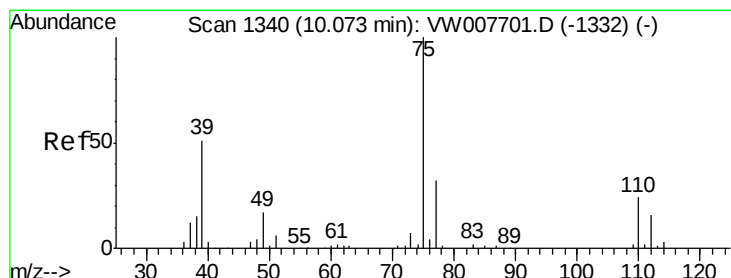
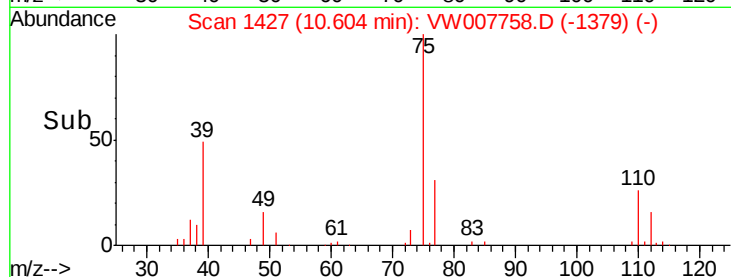
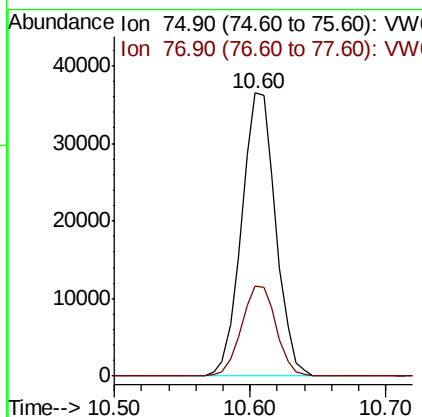
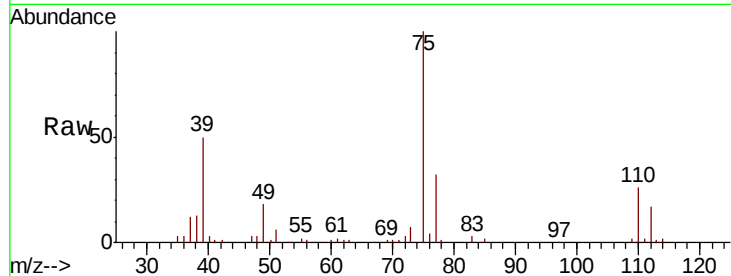
#53
 t-1,3-Dichloropropene
 Concen: 56.064 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tgt Ion: 75 Resp: 63786
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8

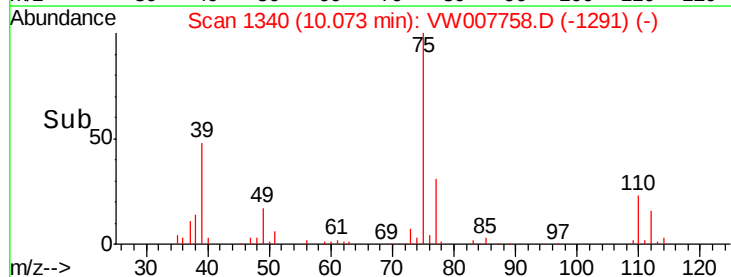
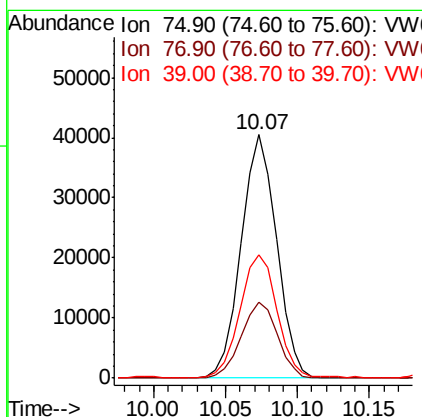
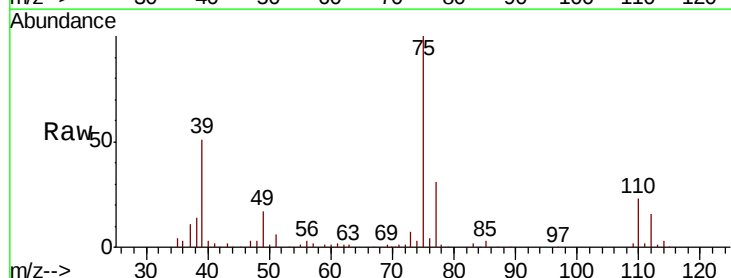
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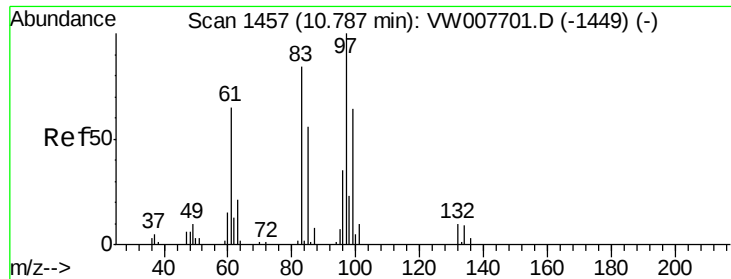
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#54
 cis-1,3-Dichloropropene
 Concen: 54.957 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 75 Resp: 69065
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3
 39 50.4 41.2 61.8





#55

1,1,2-Trichloroethane

Concen: 61.704 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

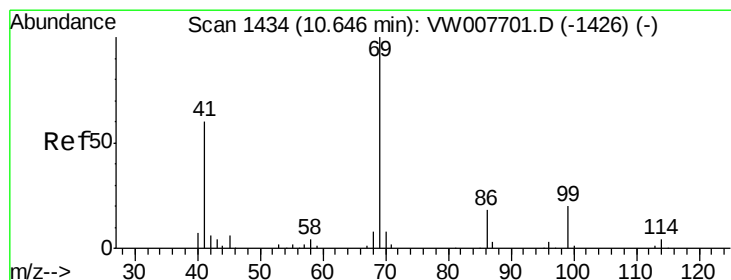
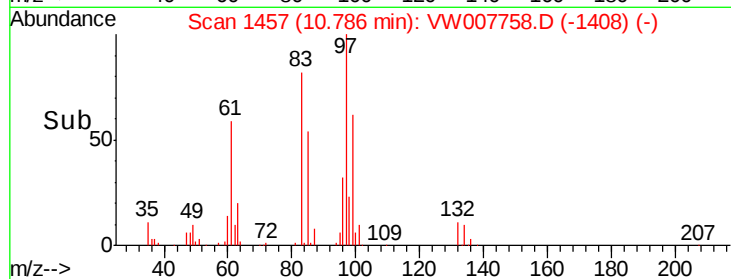
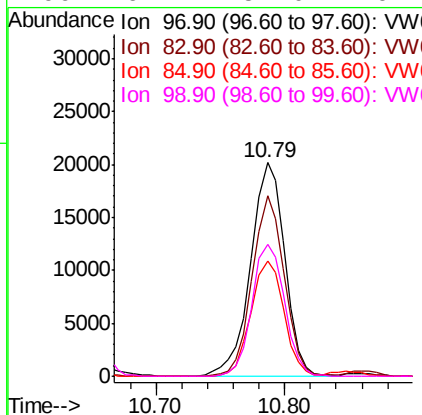
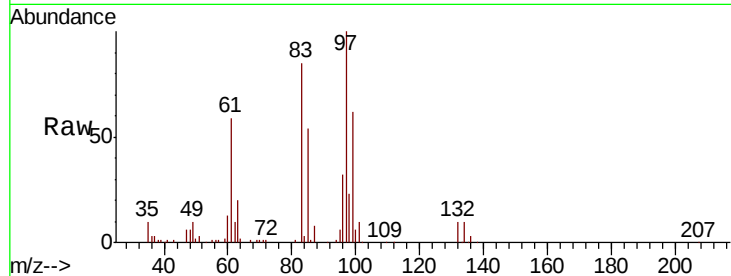
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion:	97	Resp:	37011
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.5	101.3
85	54.1	44.8	67.2
99	61.7	51.0	76.4

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#56

Ethyl methacrylate

Concen: 63.774 ug/l

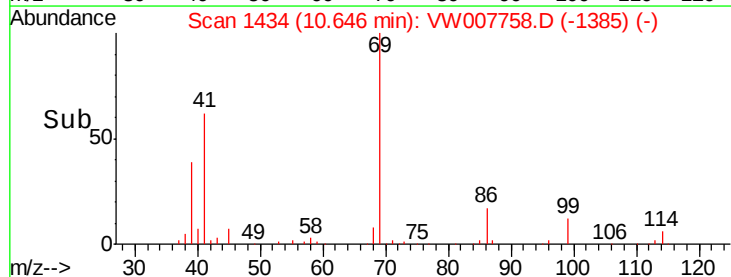
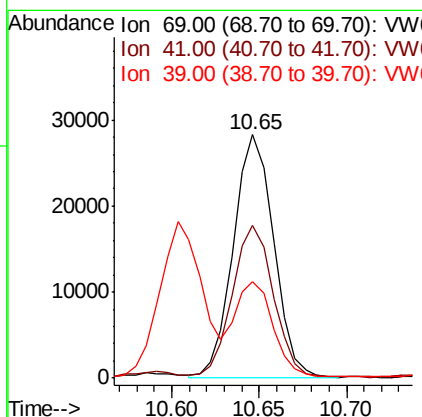
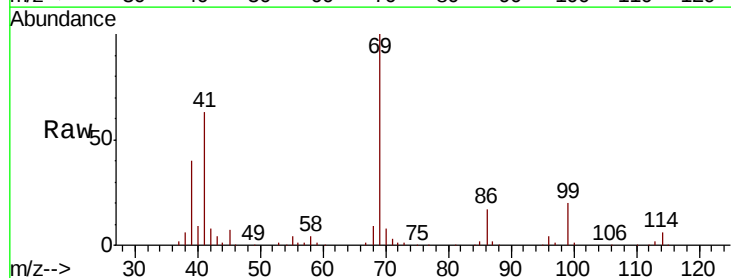
RT: 10.65 min Scan# 1434

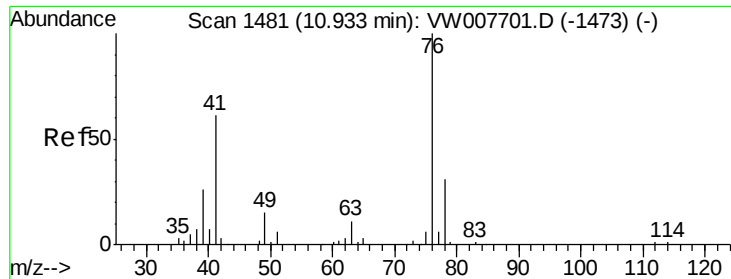
Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion:	69	Resp:	45196
Ion	Ratio	Lower	Upper
69	100		
41	64.3	48.9	73.3
39	37.4	31.3	46.9





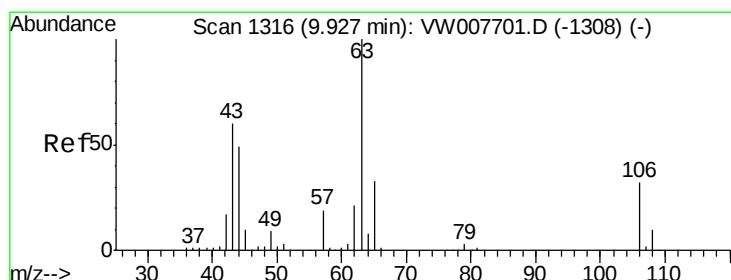
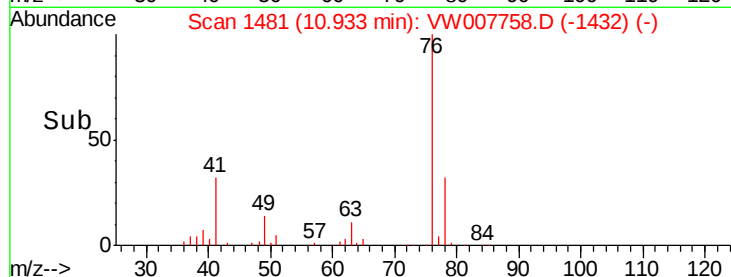
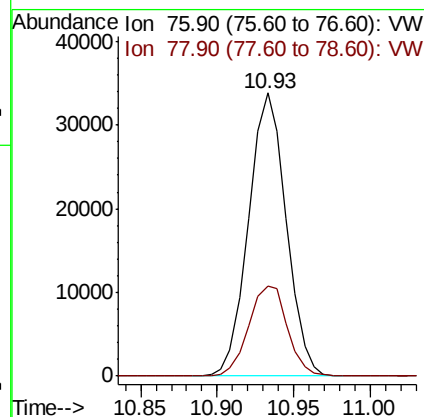
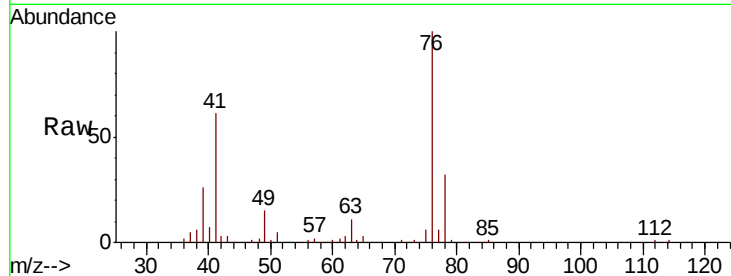
#57
 1,3-Dichloropropane
 Concen: 58.156 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tgt Ion: 76 Resp: 57925
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2

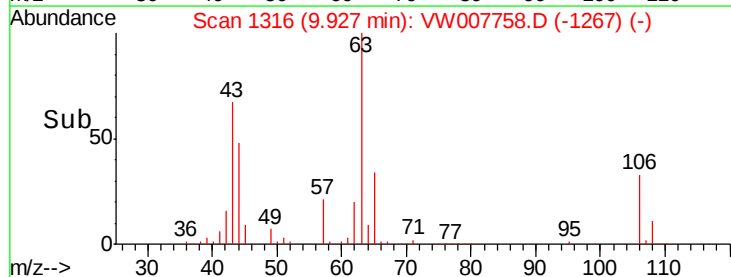
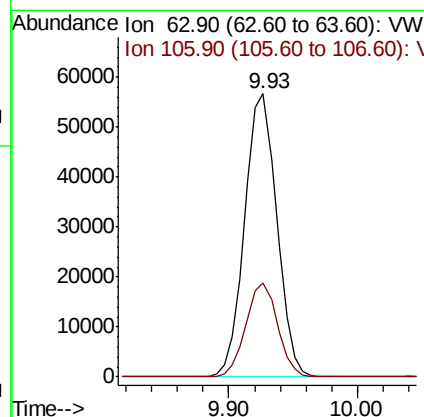
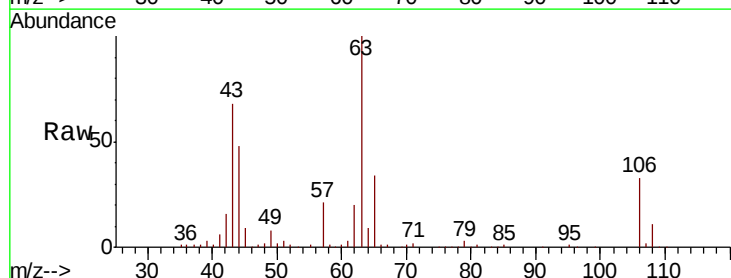
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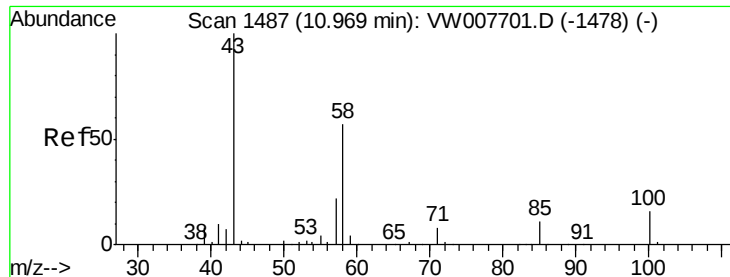
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#58
 2-Chloroethyl Vinyl ether
 Concen: 301.629 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 63 Resp: 97597
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.9 38.9





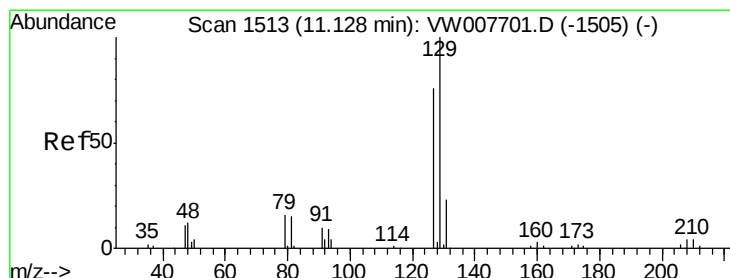
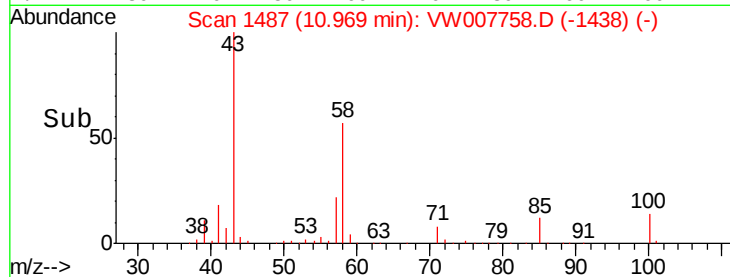
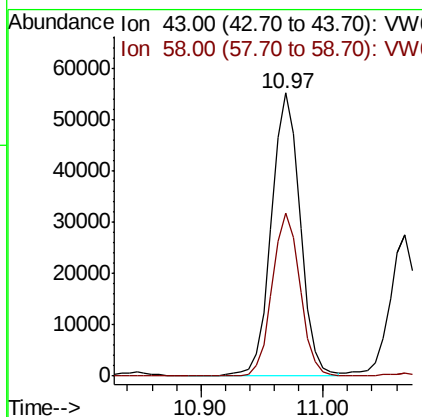
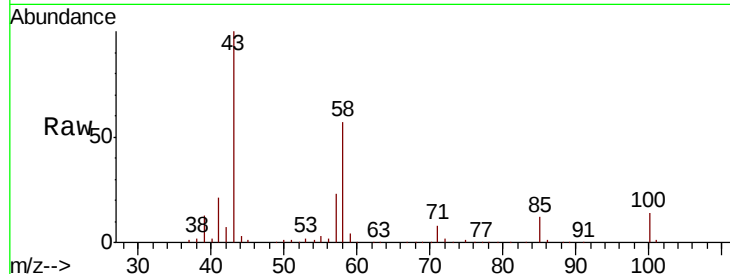
#59
2-Hexanone
Concen: 329.343 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion: 43 Resp: 90345
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.1

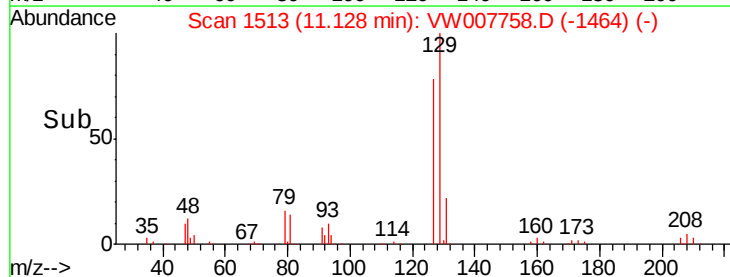
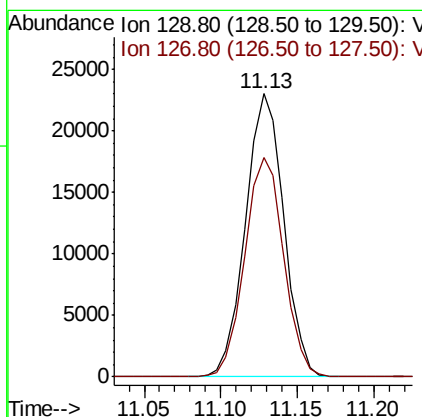
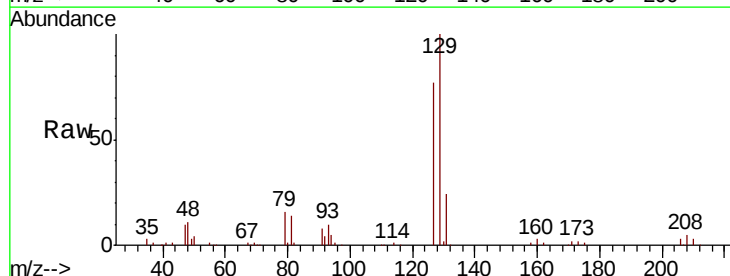
Manual Integrations
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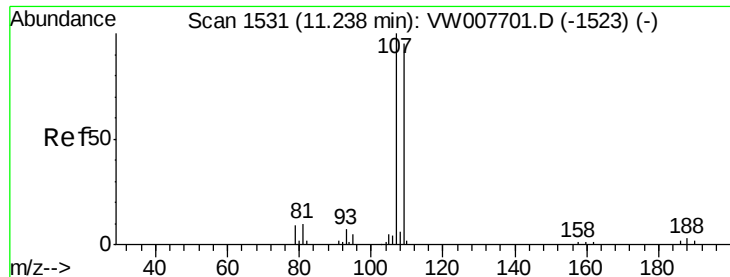
apatel
12/21/2018 11:04:09 AM



#60
Dibromochloromethane
Concen: 50.501 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 129 Resp: 40108
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.9





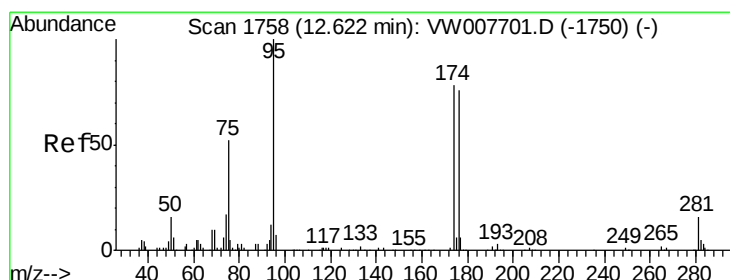
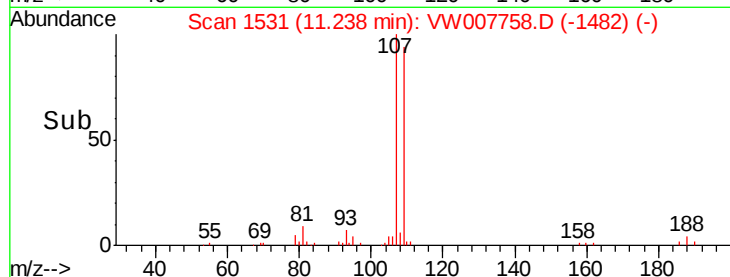
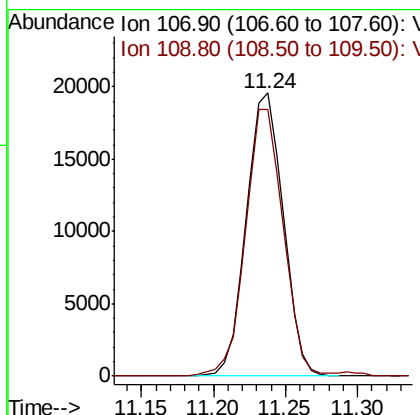
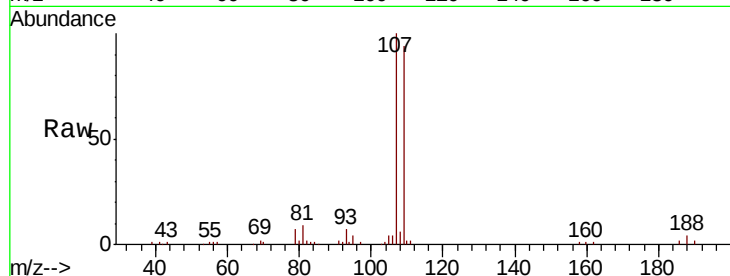
#61
 1,2-Dibromoethane
 Concen: 56.983 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tgt Ion: 107 Resp: 34612
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.4 113.0

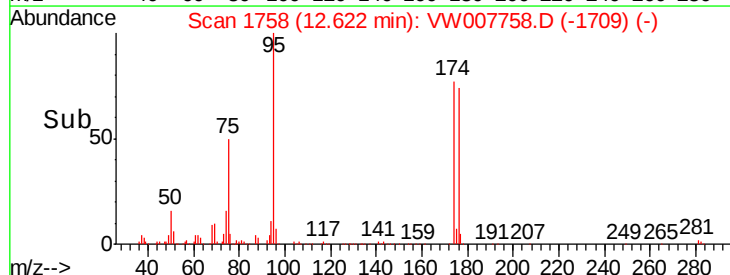
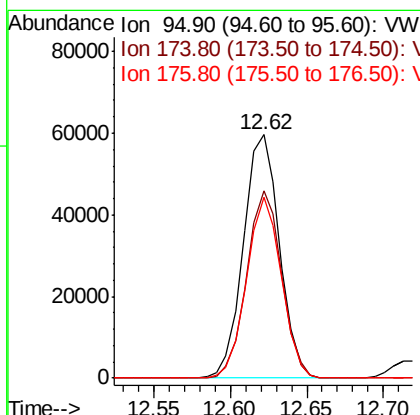
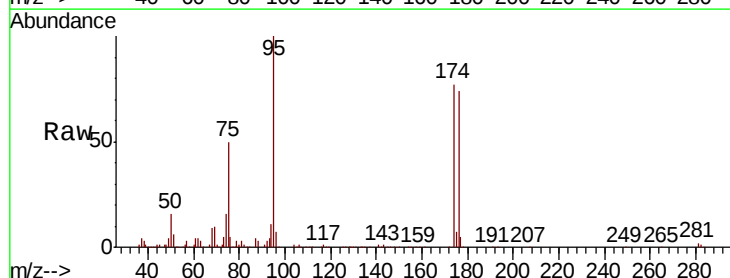
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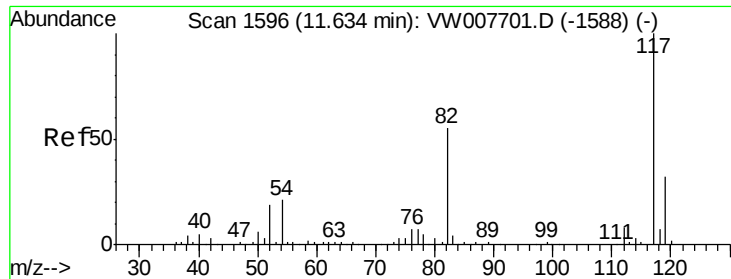
apatel
 12/21/2018 11:04:09 AM



#62
 4-Bromofluorobenzene
 Concen: 88.501 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 95 Resp: 97248
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 152.2
 176 72.0 0.0 146.8





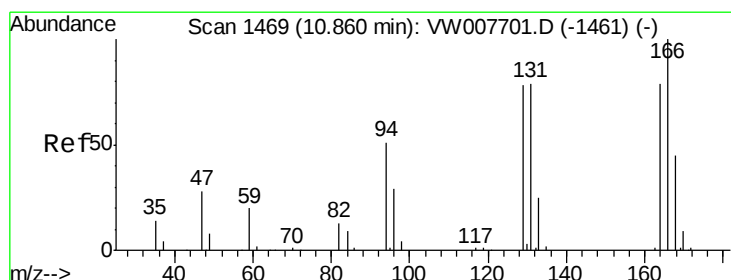
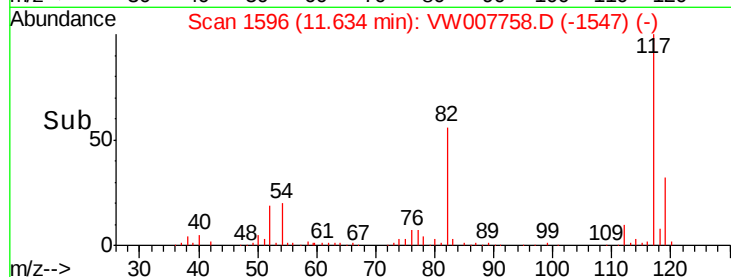
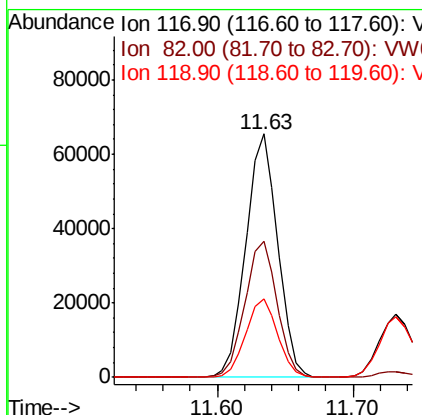
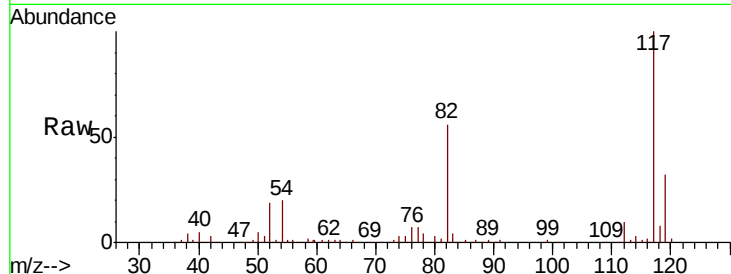
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	32.4	25.7	38.5

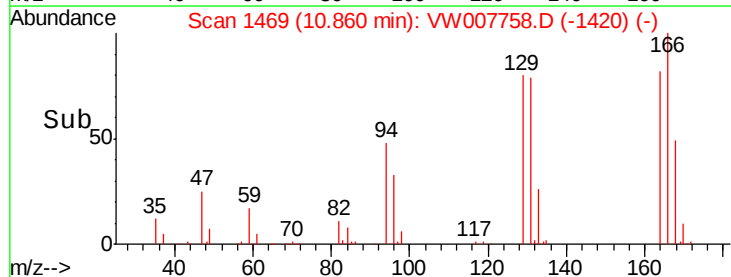
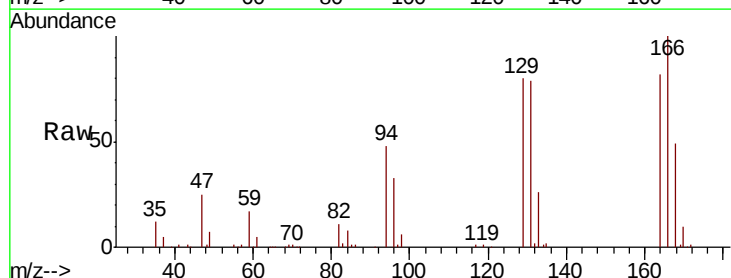
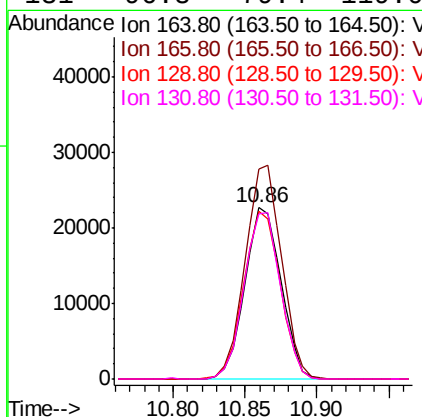
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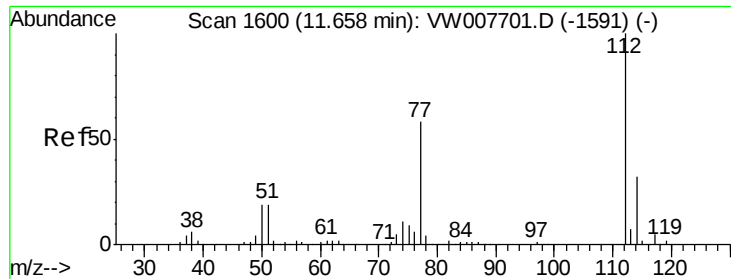
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#64
Tetrachloroethene
Concen: 51.641 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.0	151.6
129	97.9	78.7	118.1
131	96.8	79.4	119.0





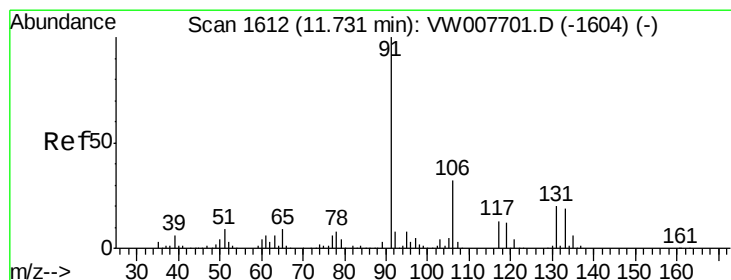
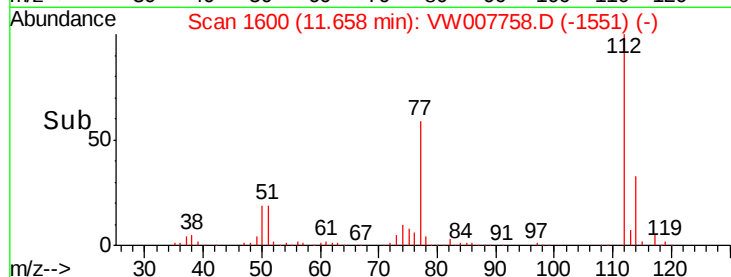
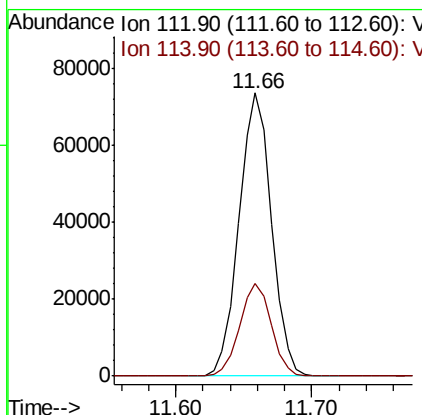
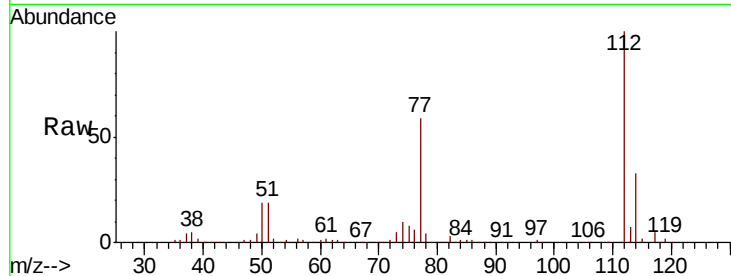
#65
Chlorobenzene
Concen: 52.507 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion:112 Resp: 122288
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8

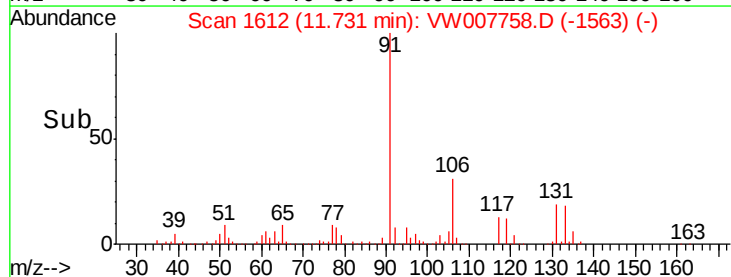
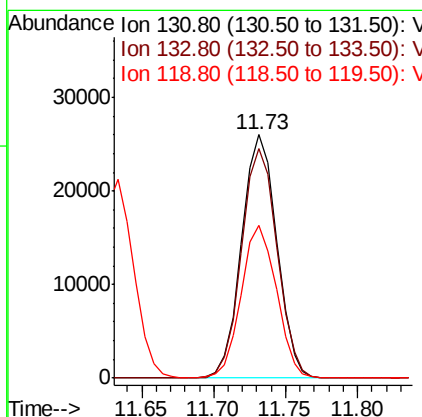
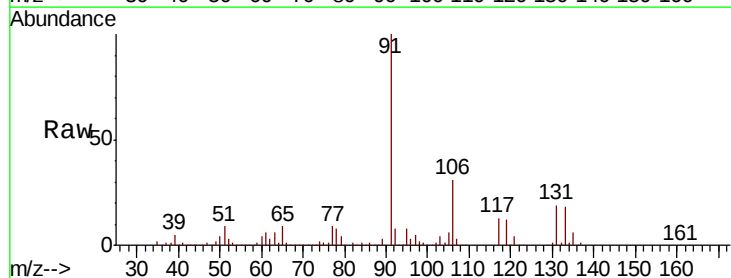
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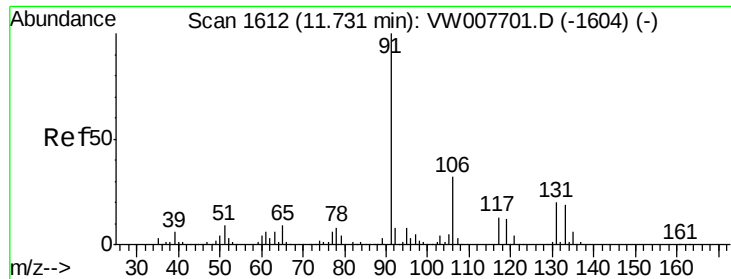
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.028 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion:131 Resp: 44129
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.5
119 62.7 30.2 90.6





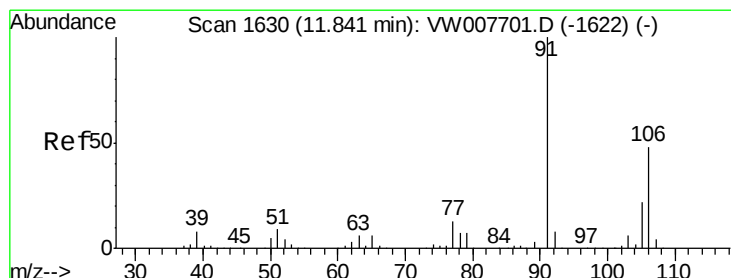
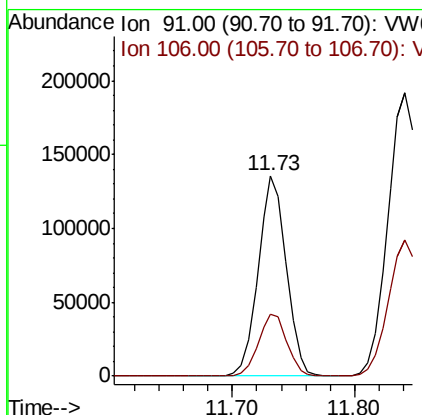
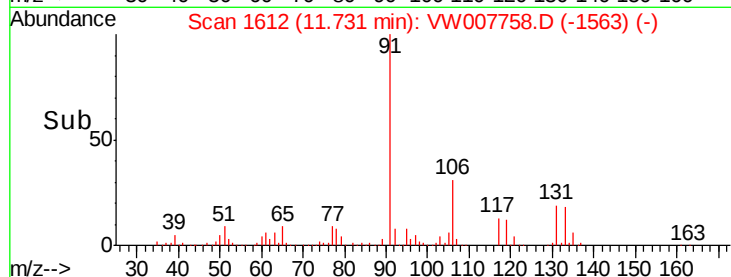
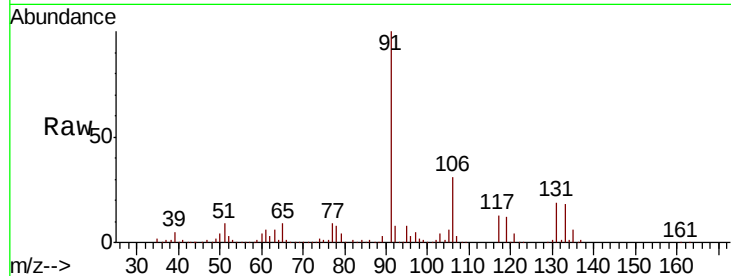
#67
Ethyl Benzene
Concen: 53.992 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion: 91 Resp: 215782
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.8

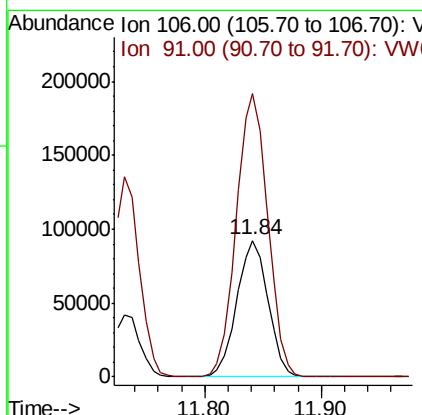
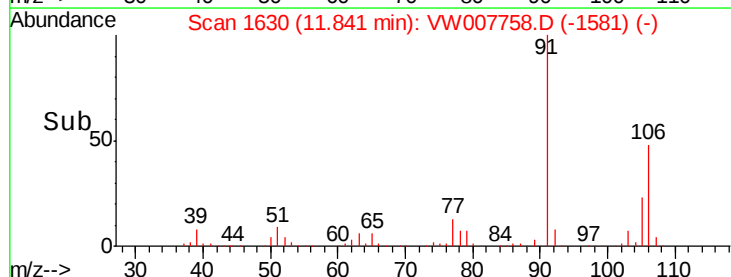
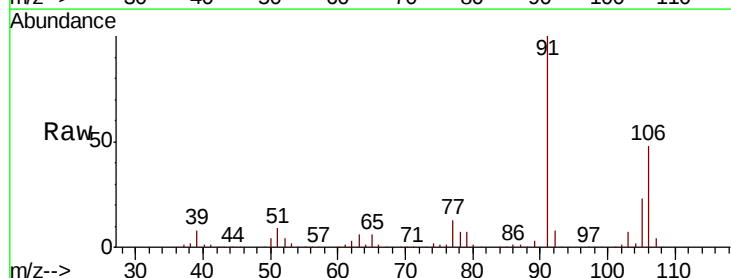
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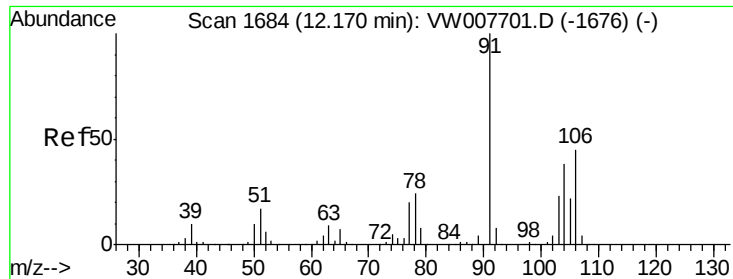
apatel
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#68
m/p-Xylenes
Concen: 111.007 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 106 Resp: 172095
Ion Ratio Lower Upper
106 100
91 209.6 165.2 247.8





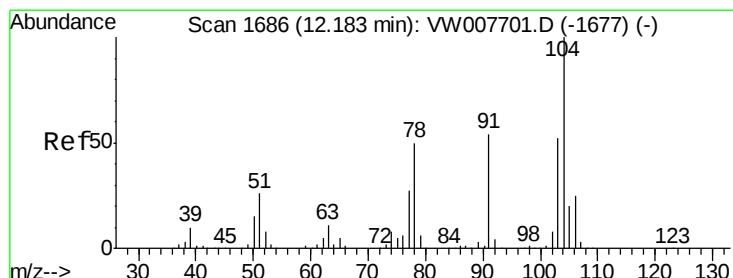
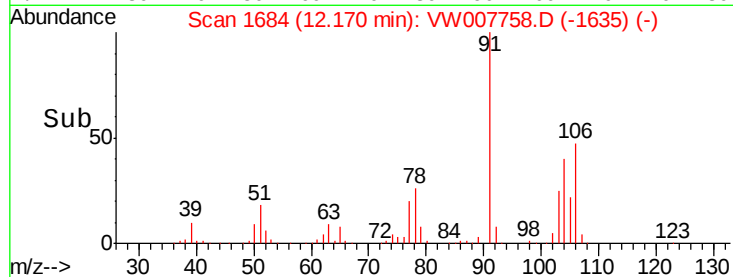
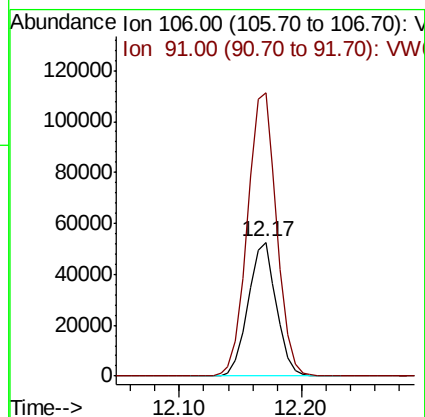
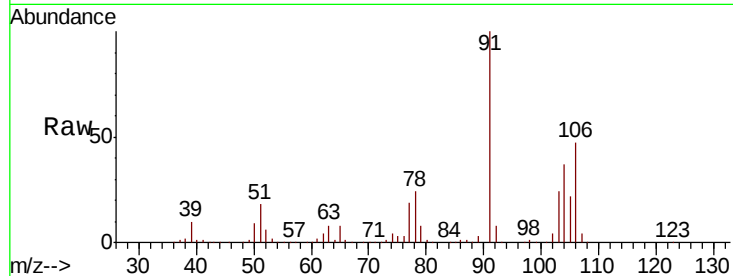
#69
o-Xylene
Concen: 57.728 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion:106 Resp: 83891
Ion Ratio Lower Upper
106 100
91 218.7 110.5 331.4

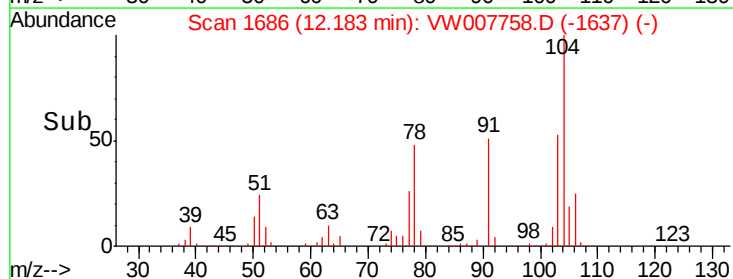
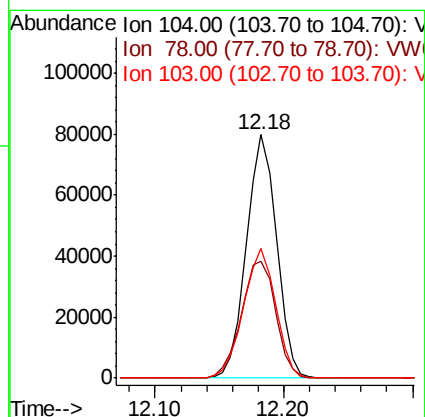
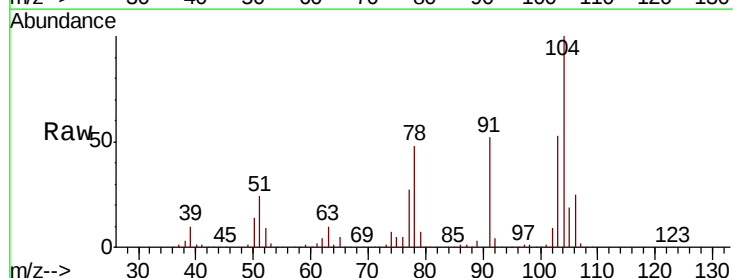
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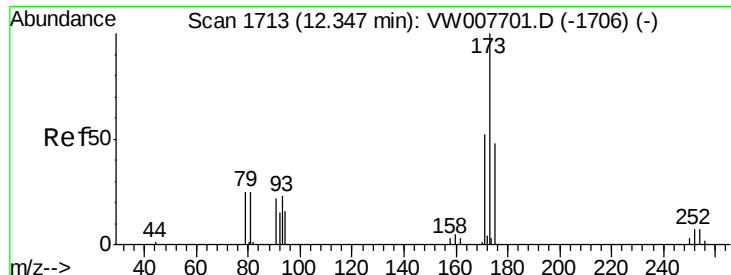
apatel
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#70
Styrene
Concen: 53.889 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion:104 Resp: 128730
Ion Ratio Lower Upper
104 100
78 55.2 43.4 65.0
103 56.7 44.5 66.7





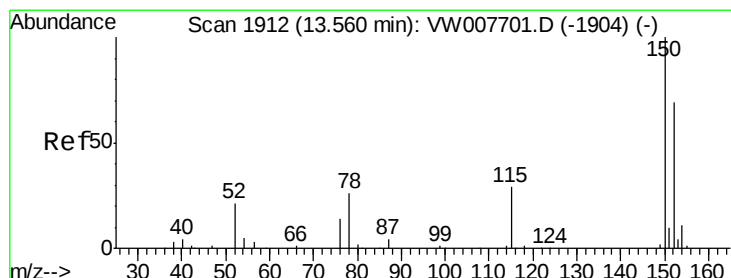
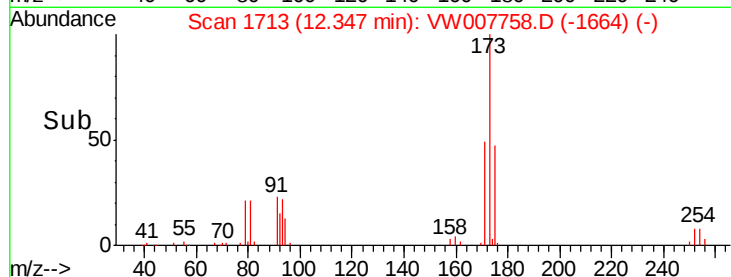
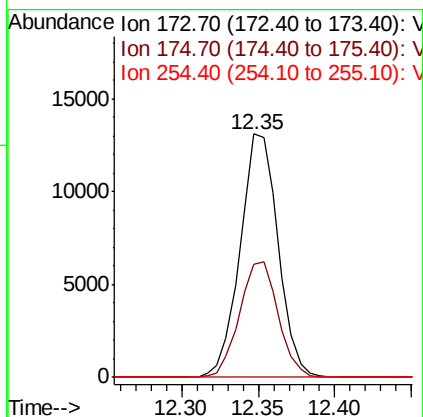
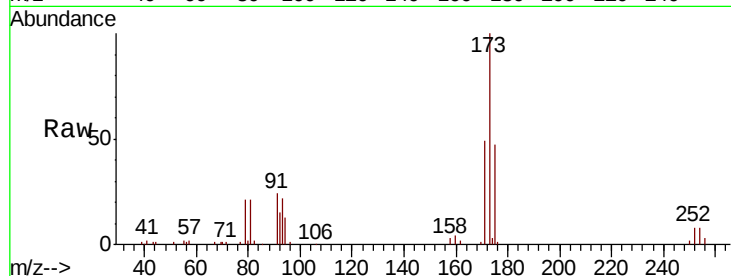
#71
Bromoform
Concen: 52.178 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.9	71.7
254	0.0	0.0	0.0

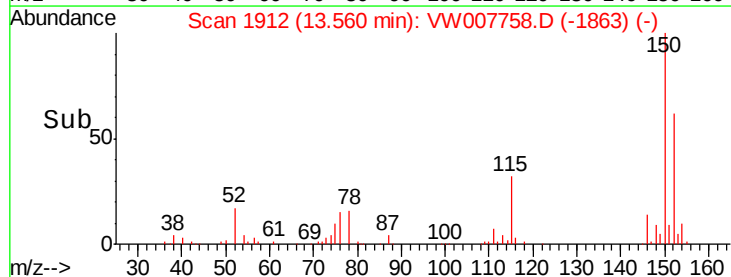
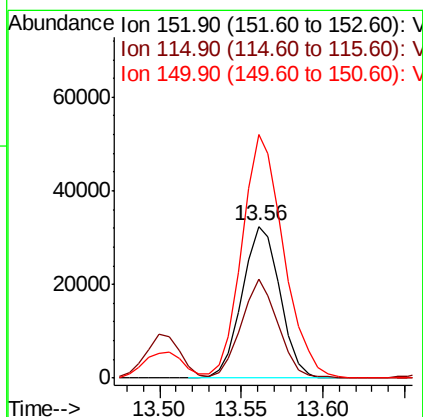
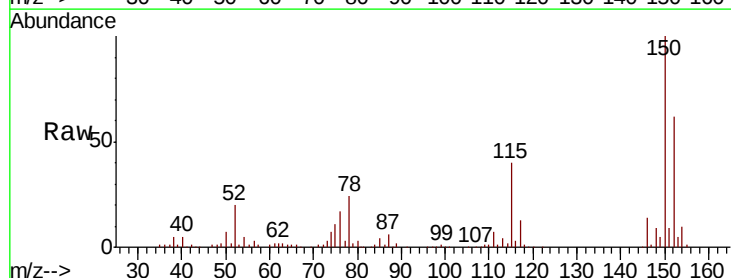
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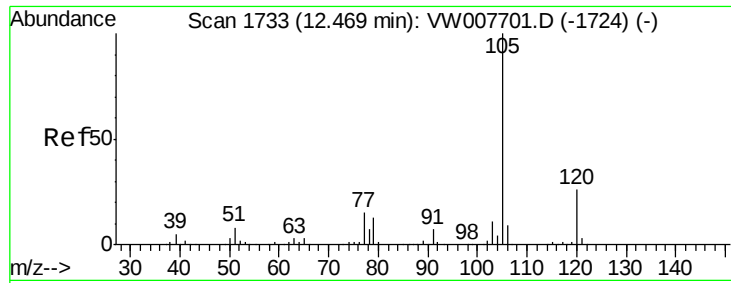
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.8	95.4
150	176.1	0.0	350.8





#73

Isopropylbenzene

Concen: 59.490 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion: 105 Resp: 234395

Ion Ratio Lower Upper

105 100

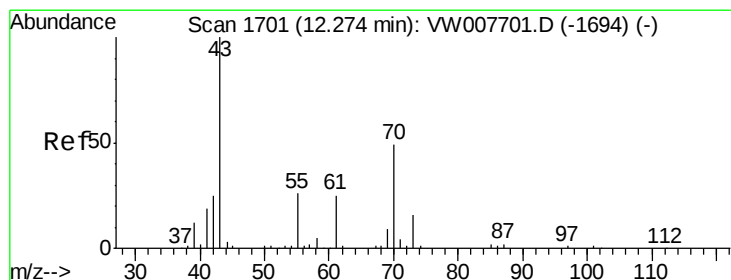
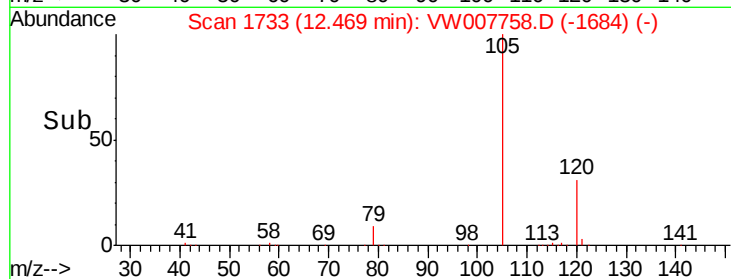
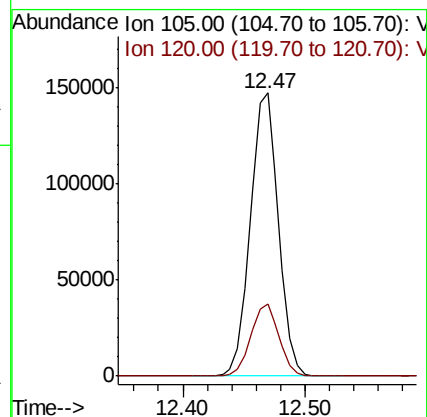
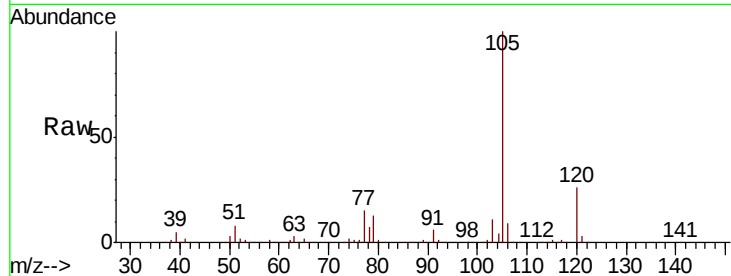
120 25.4 13.1 39.3

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#74

N-ethyl acetate

Concen: 71.172 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion: 43 Resp: 48573

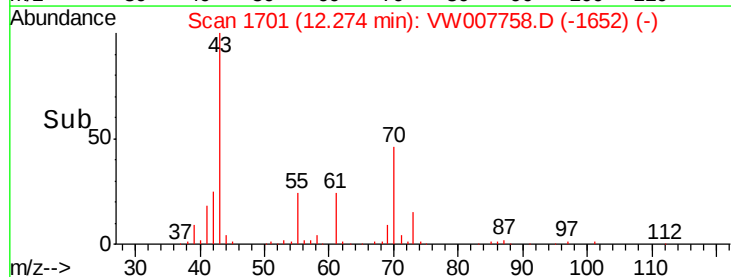
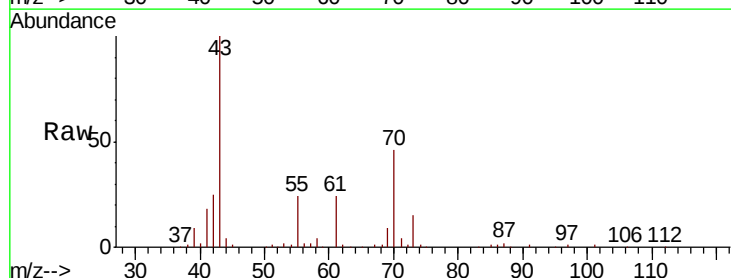
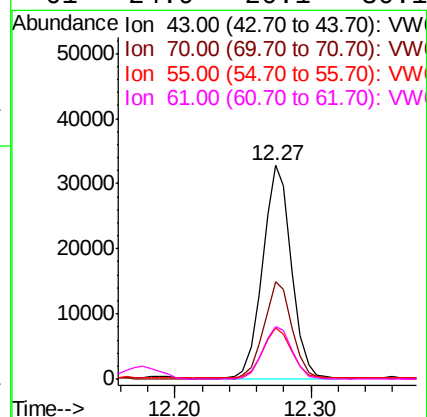
Ion Ratio Lower Upper

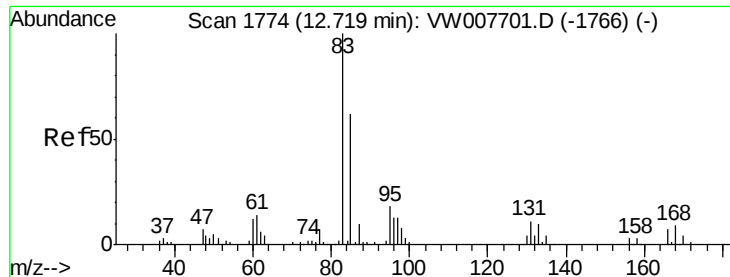
43 100

70 45.2 37.6 56.4

55 24.0 21.7 32.5

61 24.9 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 65.012 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

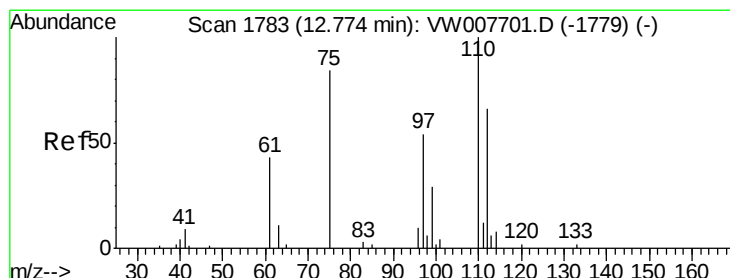
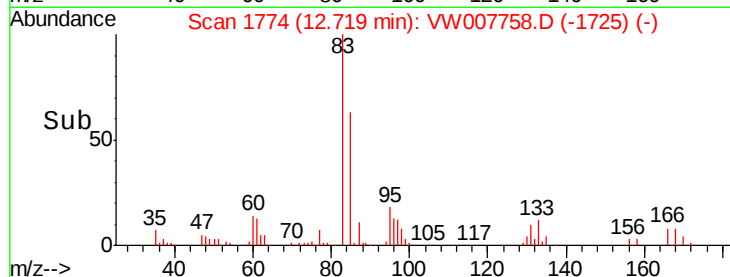
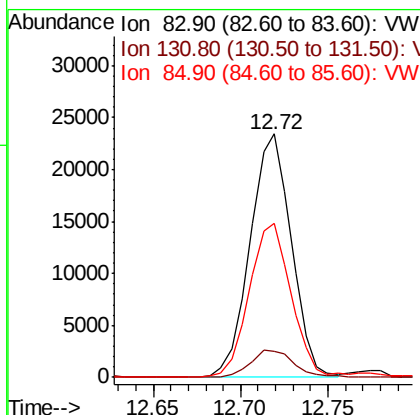
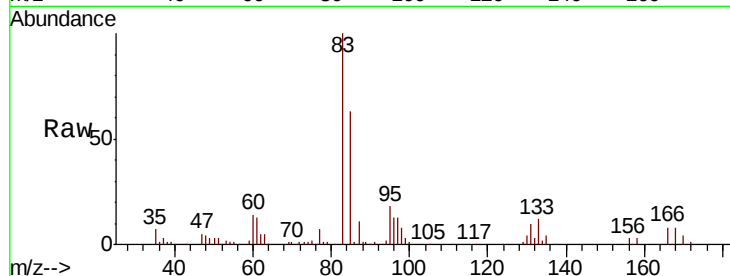
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion:	83	Resp:	38406
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.3	18.8
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 73.777 ug/l m

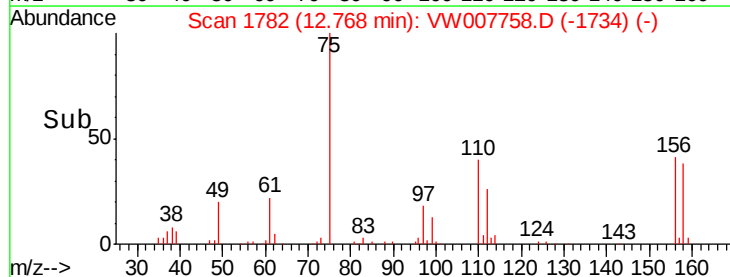
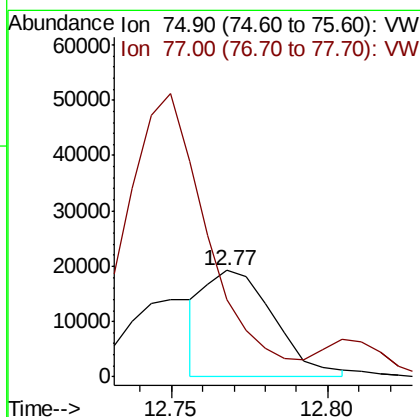
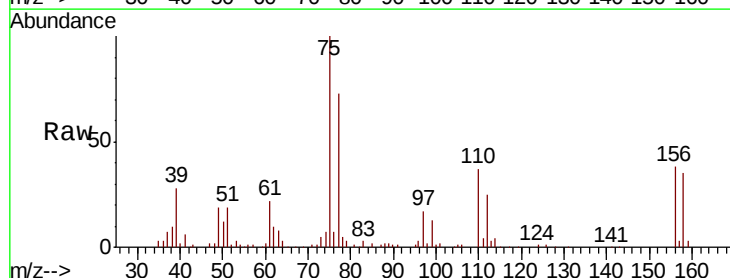
RT: 12.77 min Scan# 1782

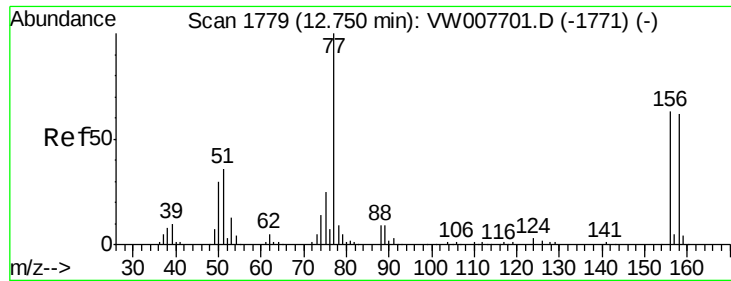
Delta R.T. -0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion:	75	Resp:	29723
Ion Ratio	Lower	Upper	
75	100		
77	316.1	0.0	0.0#





#77

Bromobenzene

Concen: 55.799 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

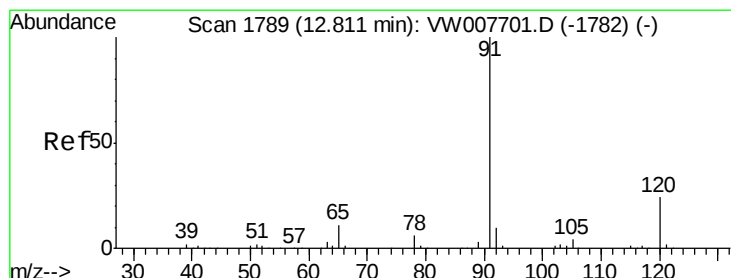
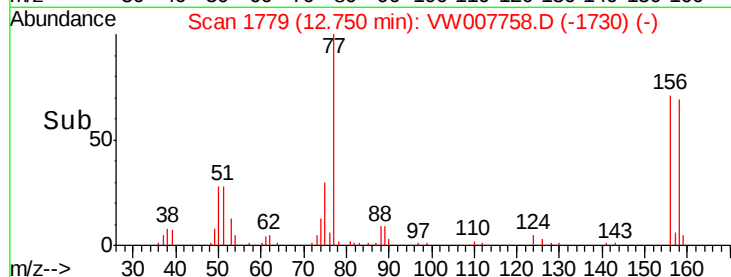
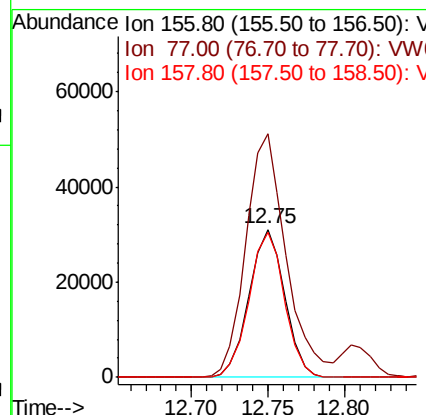
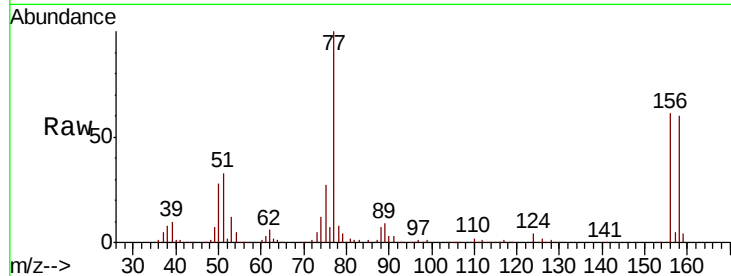
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Lower	Upper
156	100		
77	186.4	87.4	262.1
158	97.0	48.4	145.0

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#78

n-propylbenzene

Concen: 54.550 ug/l

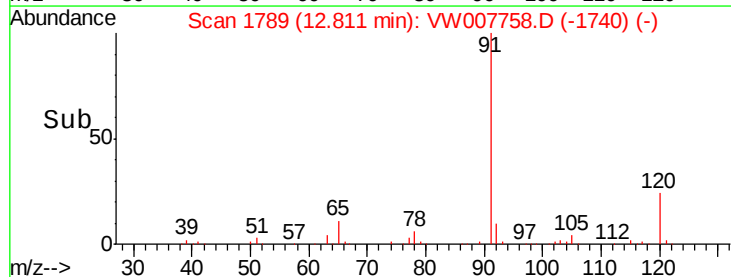
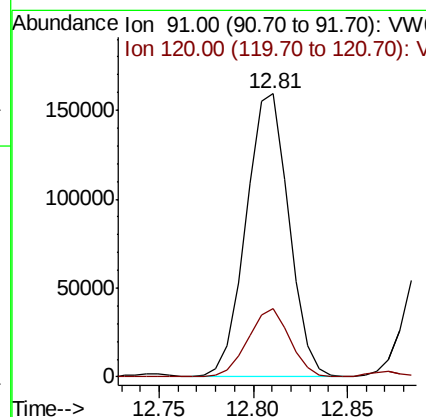
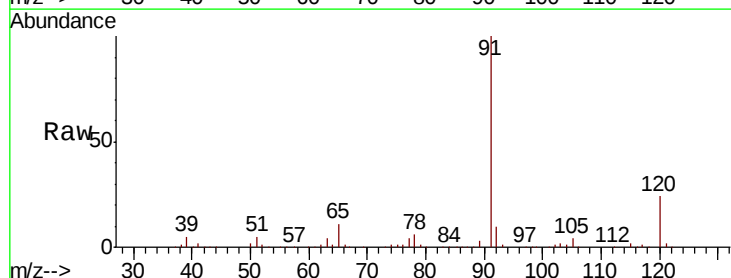
RT: 12.81 min Scan# 1789

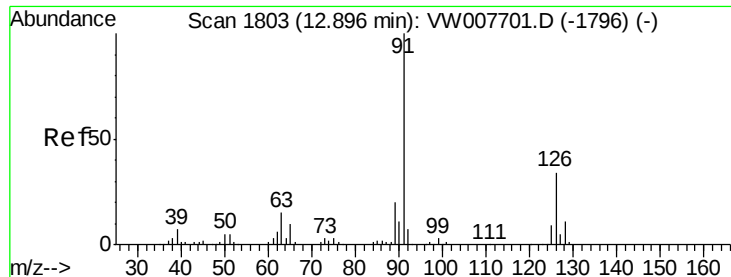
Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.7





#79

2-Chlorotoluene

Concen: 53.504 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion: 91 Resp: 142955

Ion Ratio Lower Upper

91 100

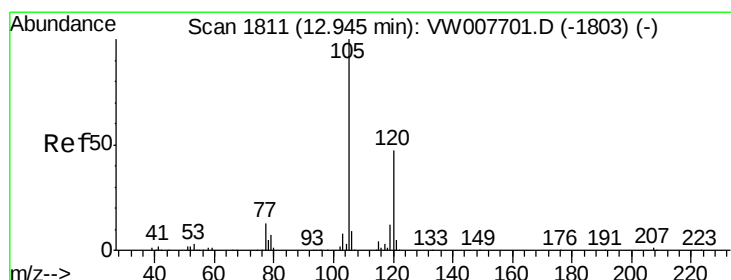
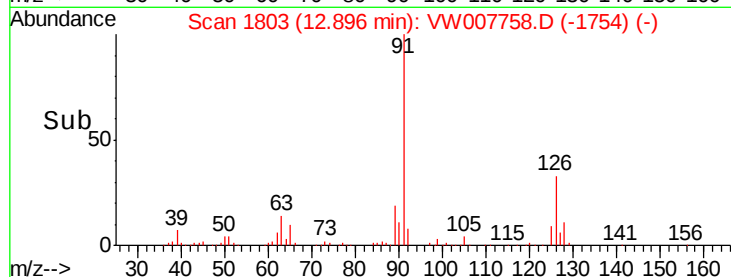
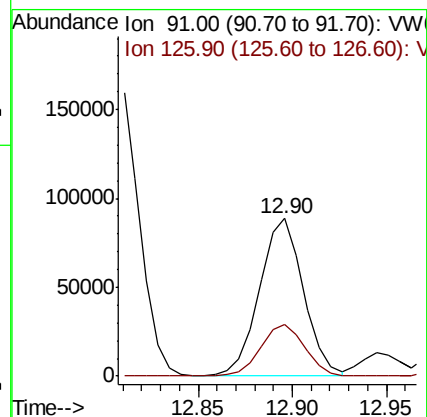
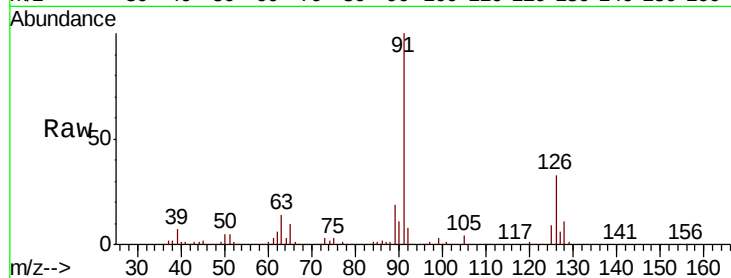
126 33.0 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 52.716 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007758.D

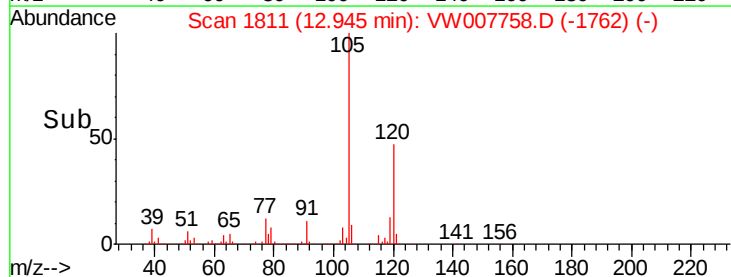
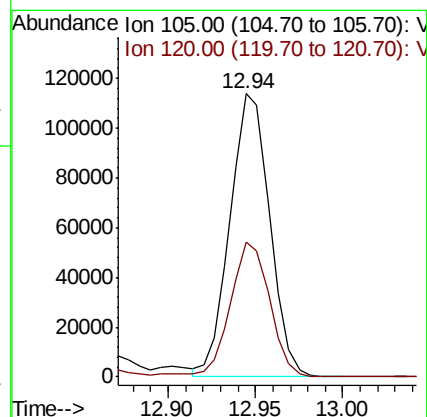
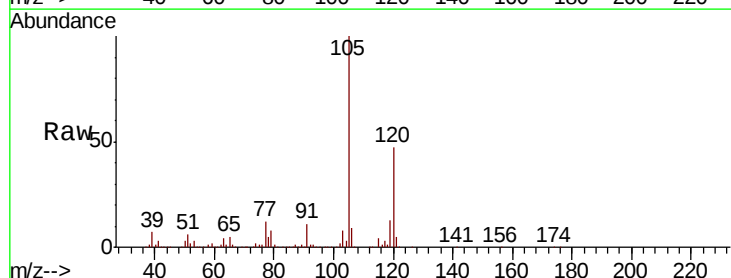
Acq: 20 Dec 2018 20:08

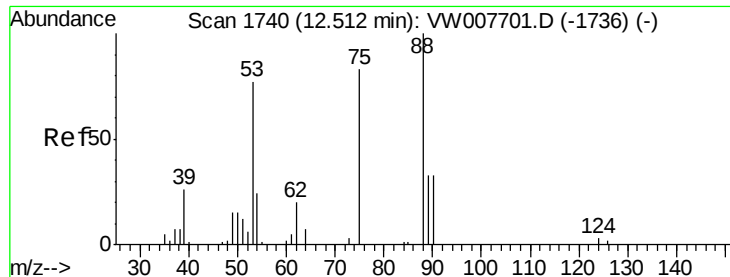
Tgt Ion: 105 Resp: 179160

Ion Ratio Lower Upper

105 100

120 47.2 23.6 70.8





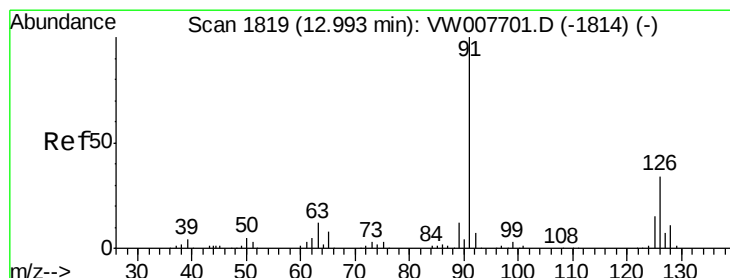
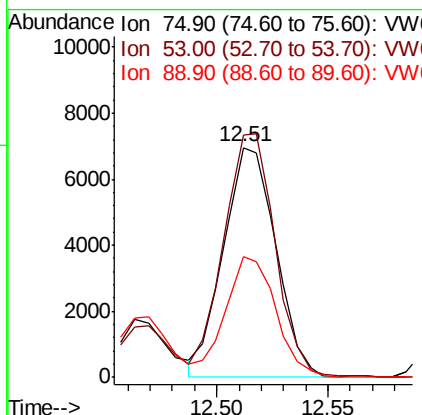
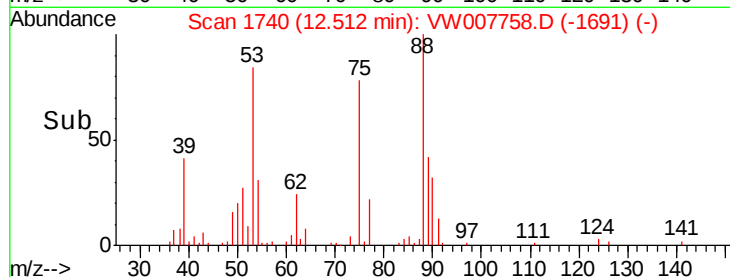
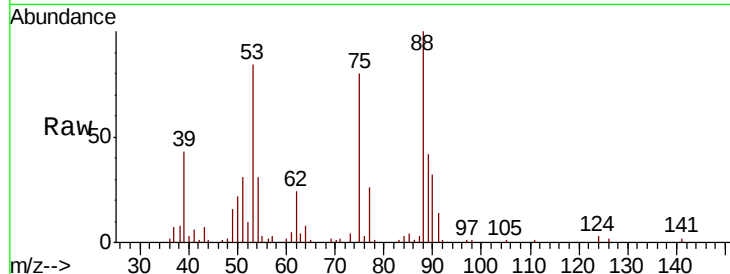
#81
trans-1,4-Dichloro-2-butene
Concen: 59.464 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Lower	Upper
75	100		
53	104.8	80.2	120.2
89	50.7	39.2	58.8

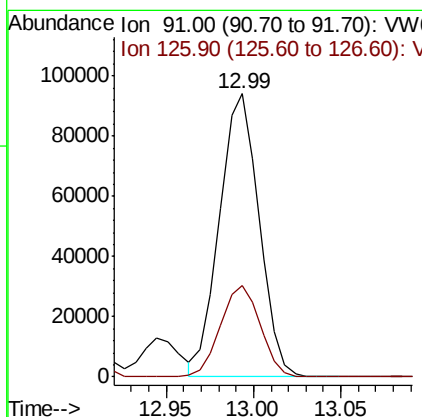
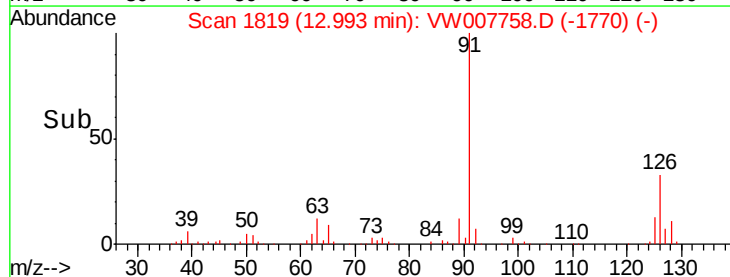
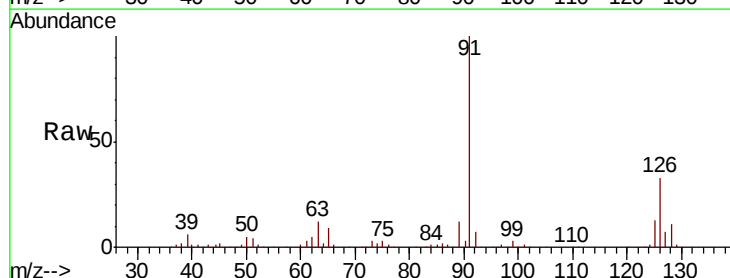
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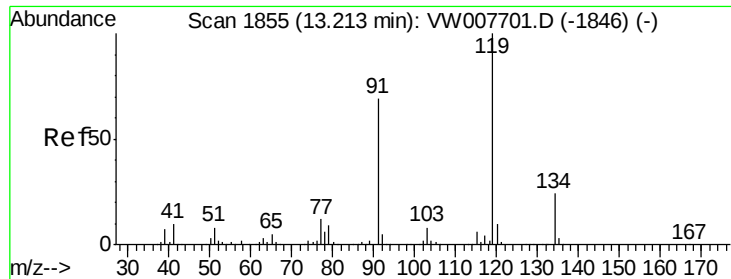
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#82
4-Chlorotoluene
Concen: 52.066 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.5	49.5





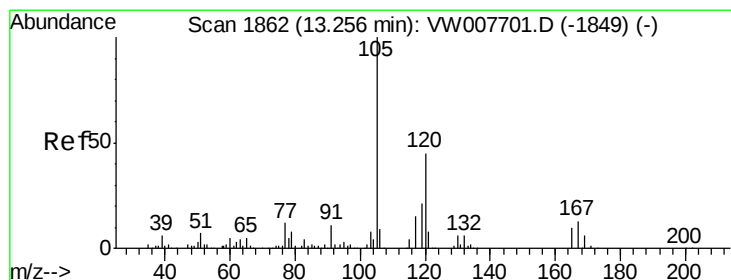
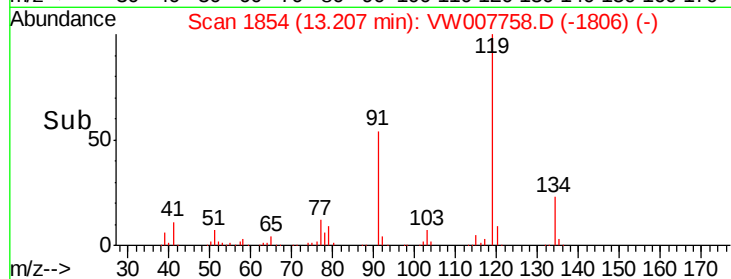
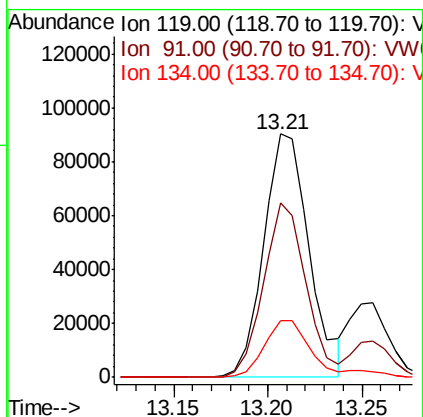
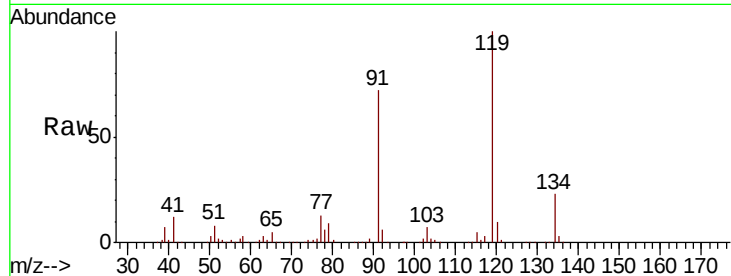
#83
tert-Butylbenzene
Concen: 50.543 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	150719		
91	67.0	34.2	102.5	
134	25.2	12.8	38.4	

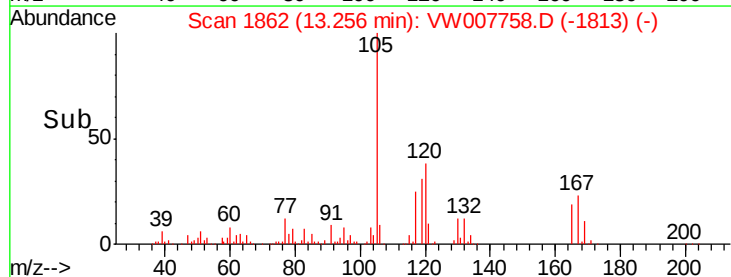
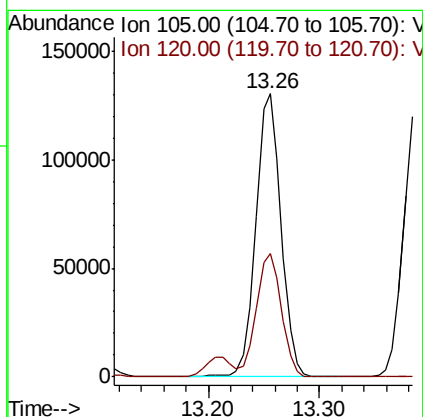
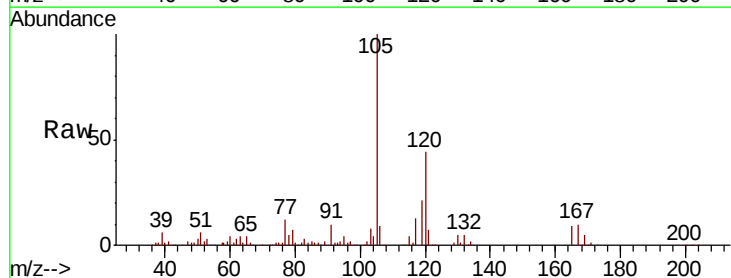
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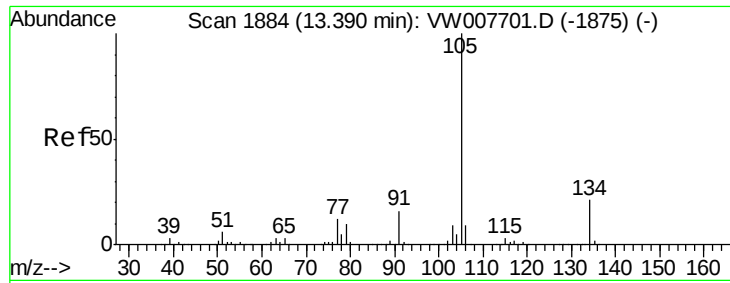
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#84
1,2,4-Trimethylbenzene
Concen: 59.525 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204133		
120	44.0	22.0	66.0	





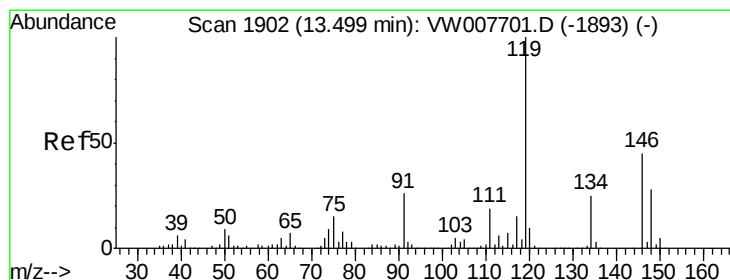
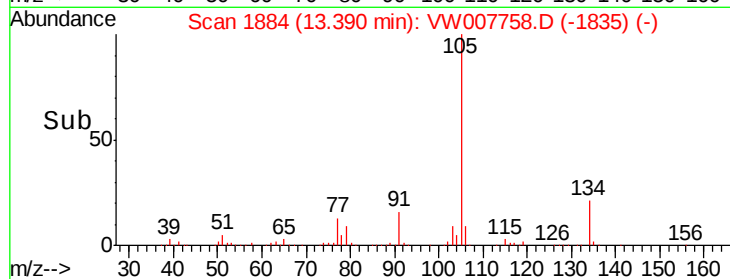
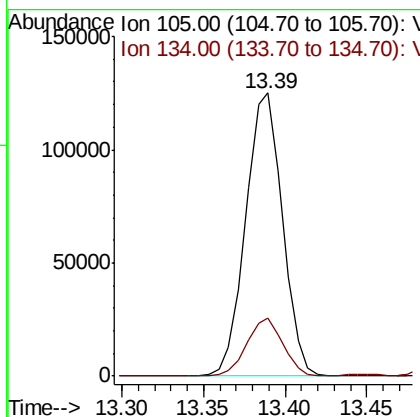
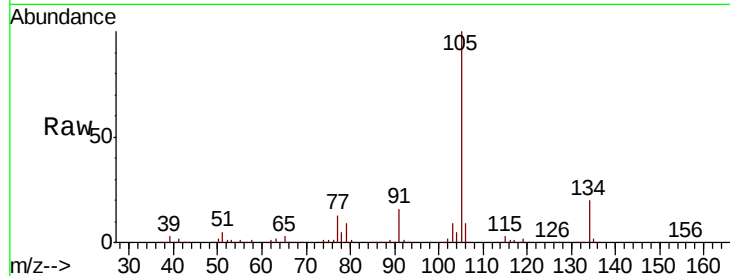
#85
 sec-Butylbenzene
 Concen: 47.745 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tgt Ion:105 Resp: 196220
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4

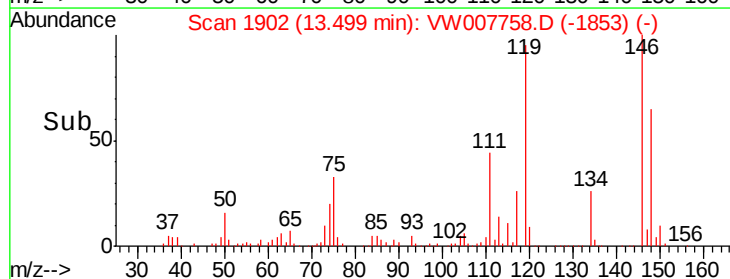
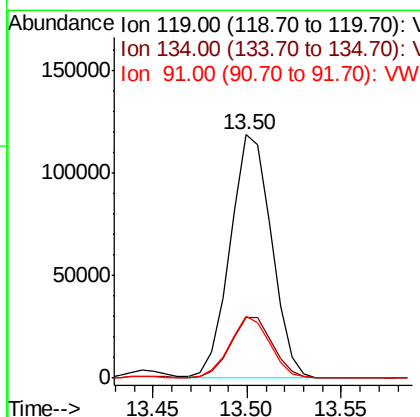
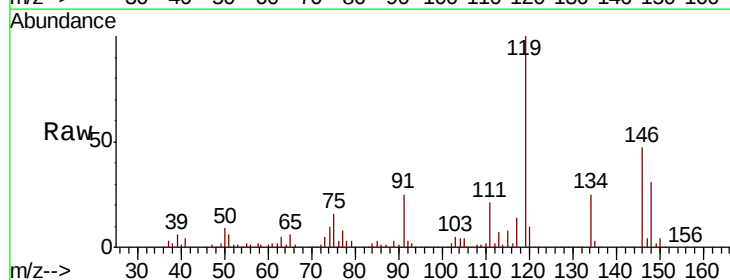
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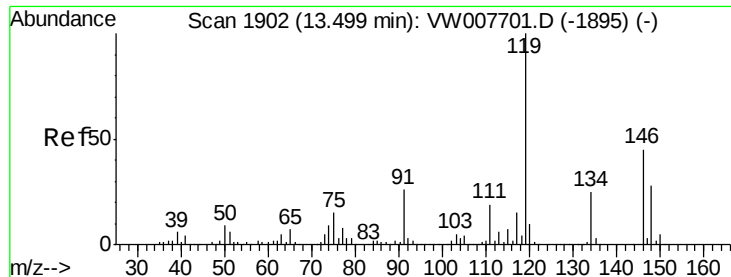
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#86
 p-Isopropyltoluene
 Concen: 48.325 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion:119 Resp: 180592
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 39.0
 91 24.5 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 51.765 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

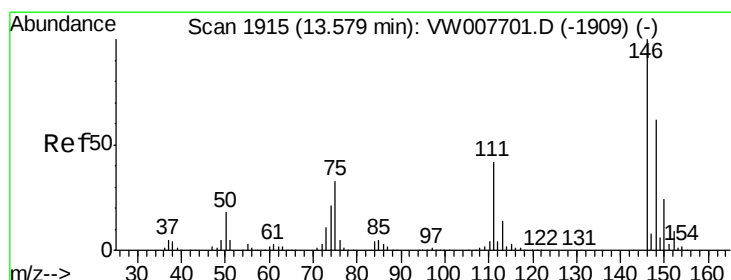
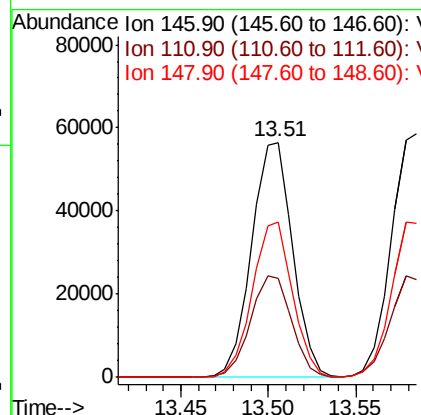
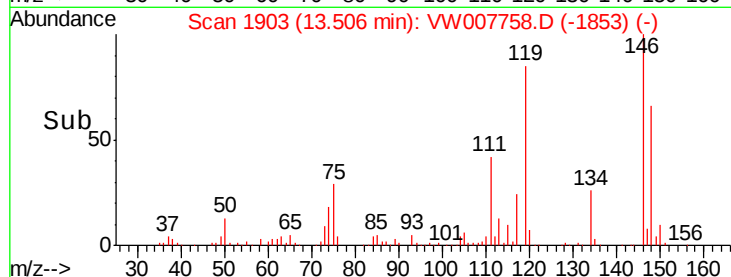
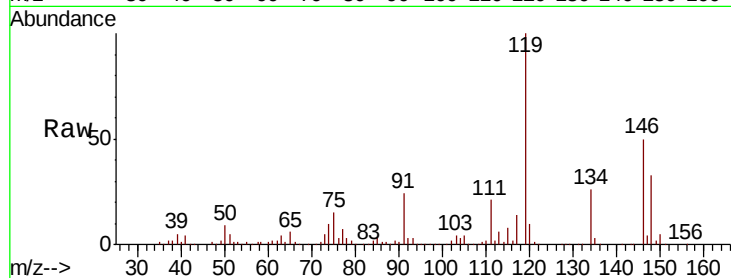
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tgt Ion:	146	Resp:	92806
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.1	63.4
148	64.7	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 52.965 ug/l

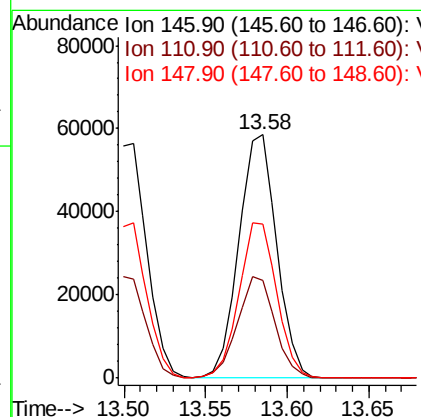
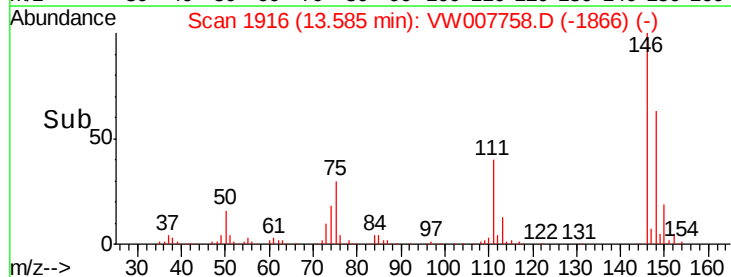
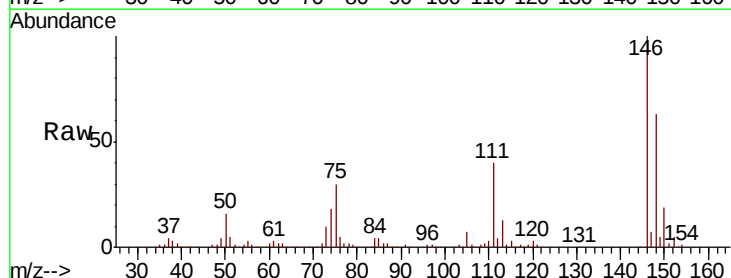
RT: 13.58 min Scan# 1916

Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion:	146	Resp:	94984
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.0	63.0
148	63.6	31.8	95.4





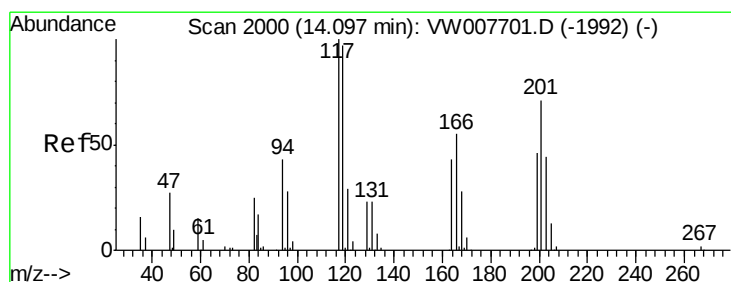
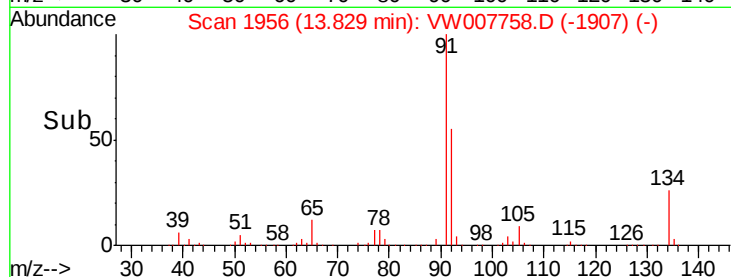
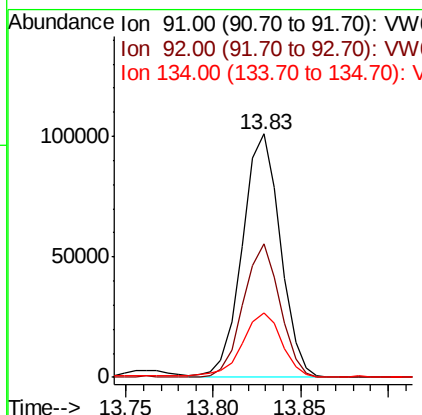
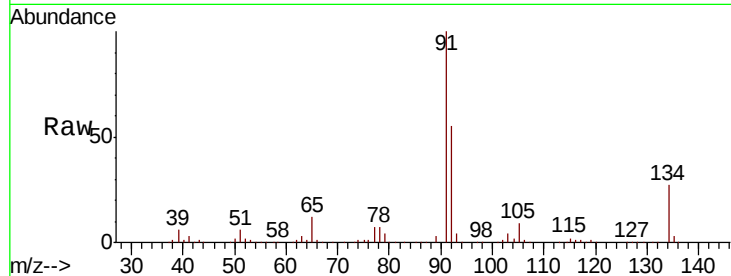
#89
n-Butylbenzene
Concen: 44.434 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	28.2	13.7	41.0

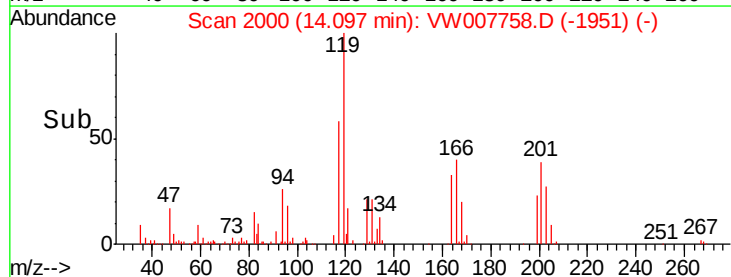
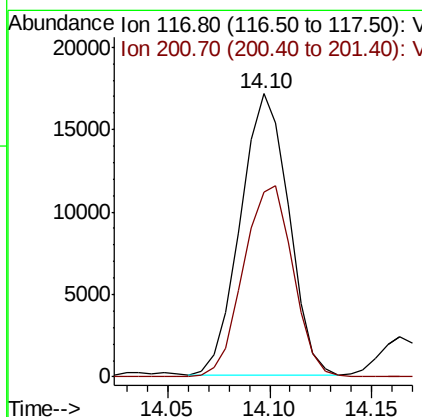
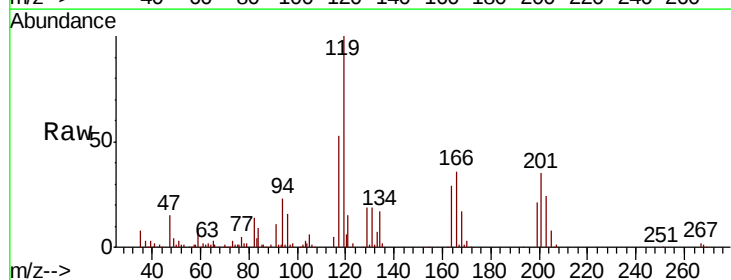
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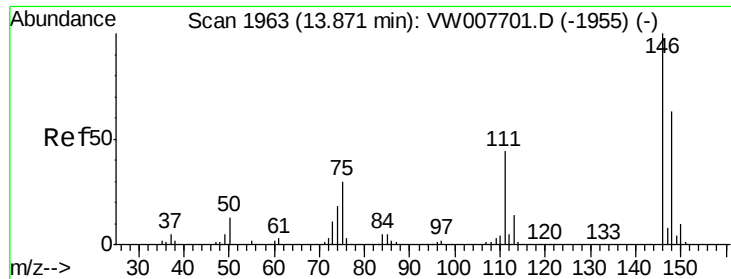
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#90
Hexachloroethane
Concen: 42.969 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	36.2	108.6





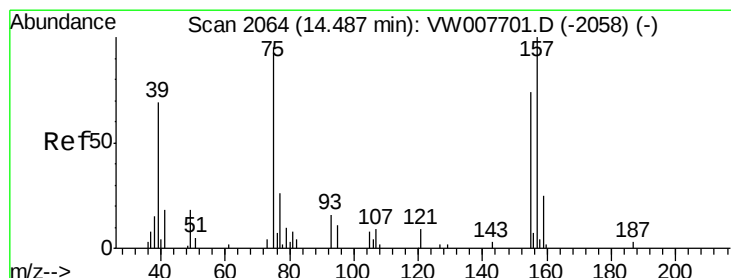
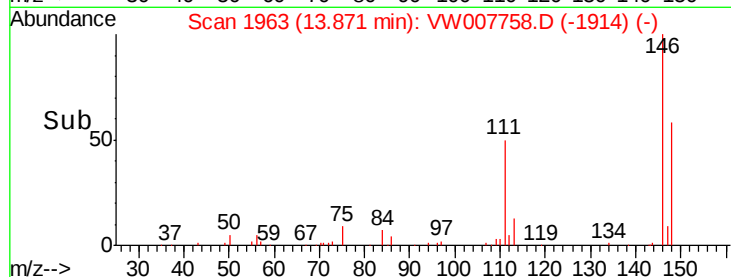
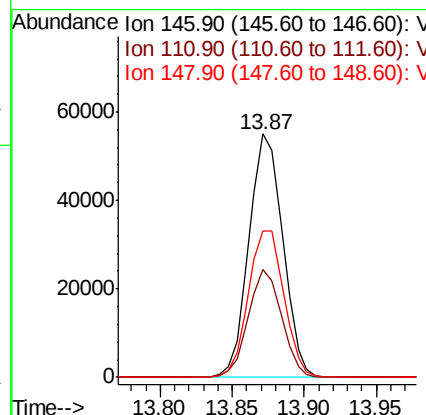
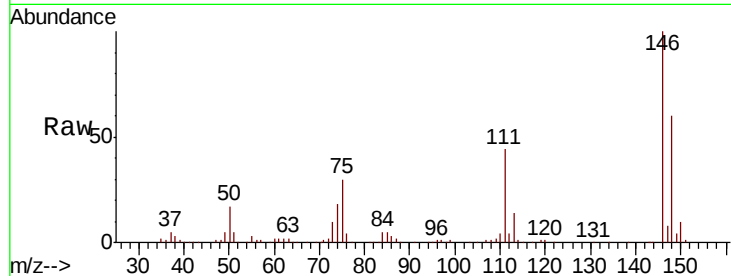
#91
 1,2-Dichlorobenzene
 Concen: 55.822 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.7	65.1
148	62.9	32.1	96.5

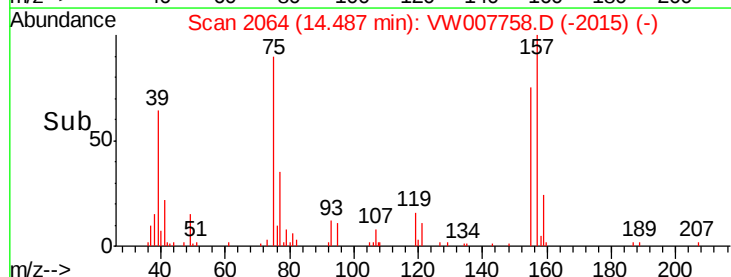
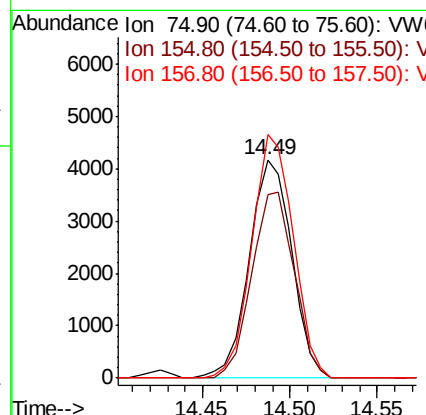
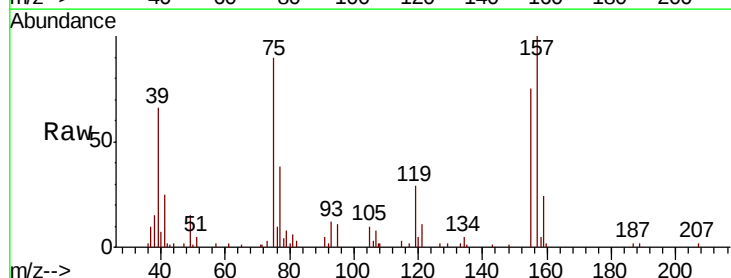
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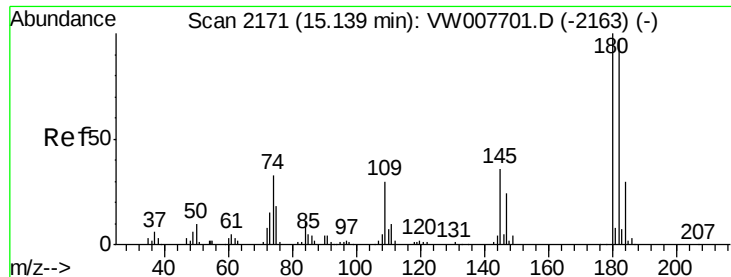
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.260 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	39.4	118.1
157	108.5	52.0	156.0





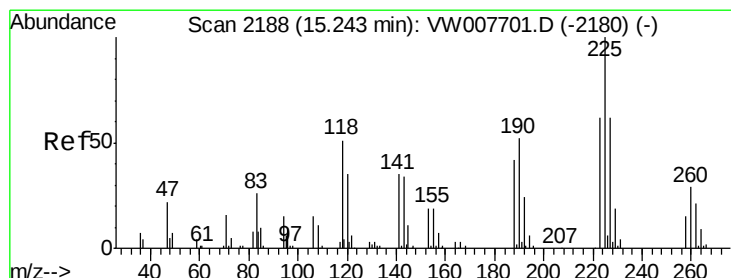
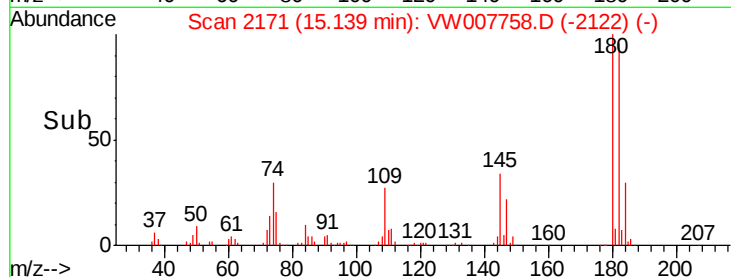
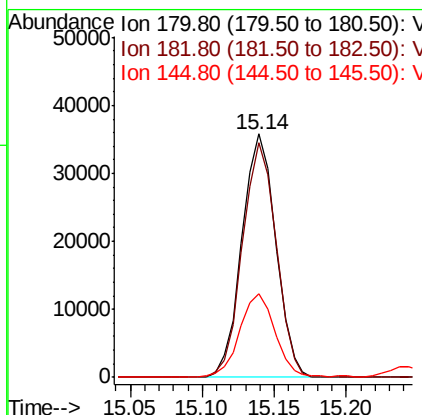
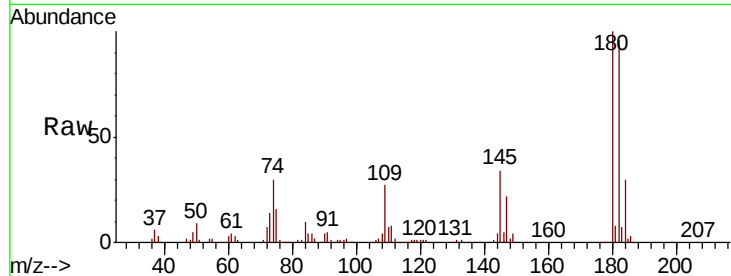
#93
1,2,4-Trichlorobenzene
Concen: 52.469 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58463		
182	95.6	47.5	142.6	
145	36.2	17.5	52.5	

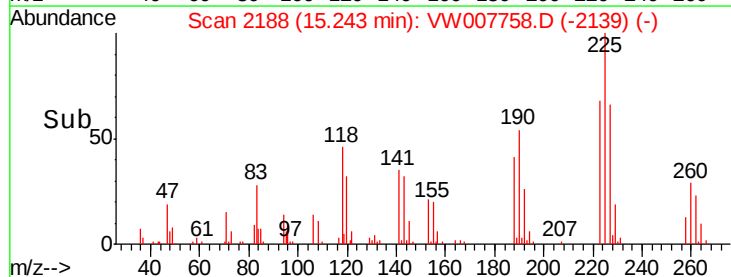
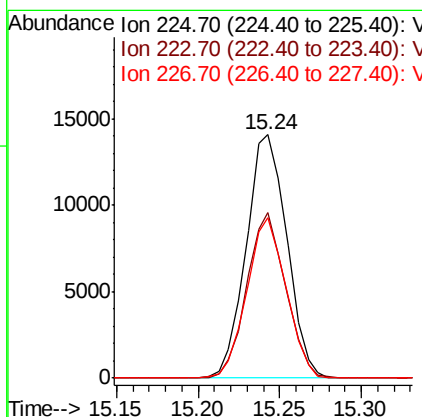
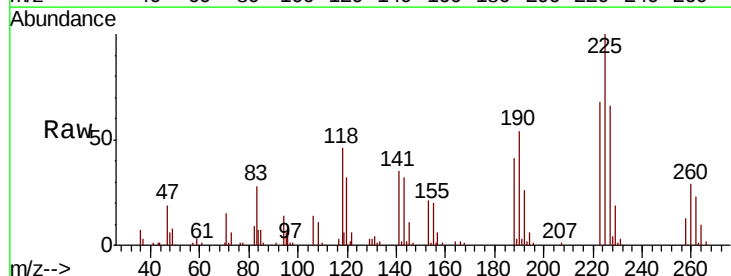
Manual Integrations
APPROVED

apatel
12/21/2018 11:04:09 AM



#94
Hexachlorobutadiene
Concen: 40.895 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24352		
223	65.2	31.6	94.8	
227	63.6	32.1	96.3	





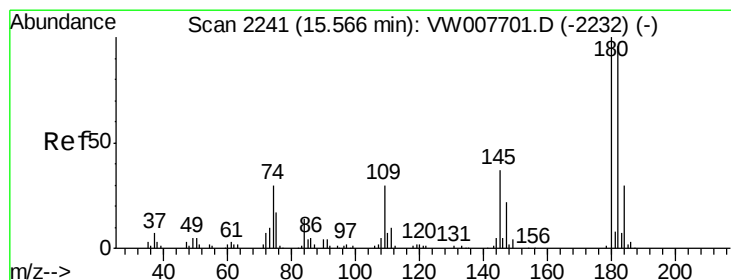
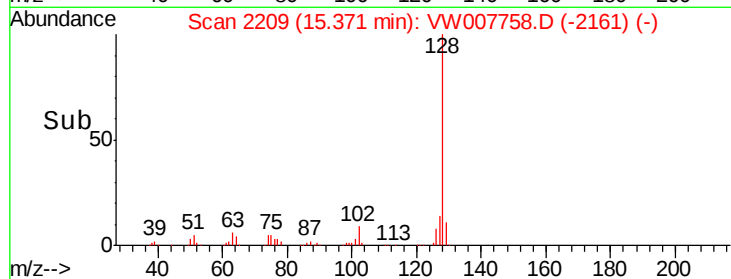
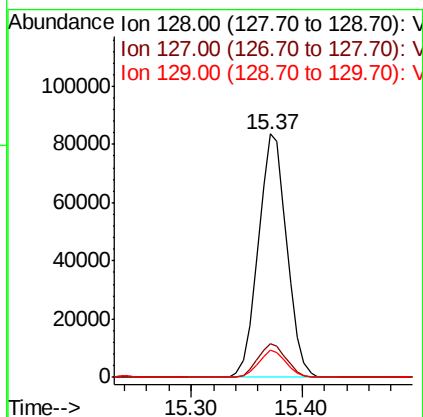
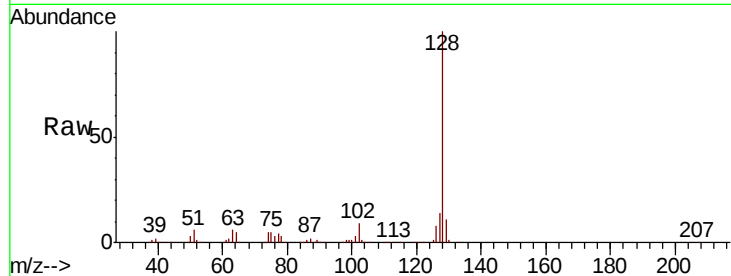
#95
Naphthalene
Concen: 72.259 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	148856		
127	13.7	10.7	16.1	
129	11.0	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 56.364 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	53759		
182	95.6	47.4	142.2	
145	37.5	18.4	55.0	

