

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007379.D
 Acq On : 11 Dec 2018 03:33
 Operator : SY/AP
 Sample : VW1211SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Manual Integrations
 APPROVED

sam
 12/27/2018 8:19:39 AM

Quant Time: Dec 11 04:29:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	88467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	147136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	129743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	58967	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	46632	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.88	113	45127	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.32	98	172055	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.62	95	62725	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	12510	20.236	ug/l	100
3) Chloromethane	2.21	50	11226	21.682	ug/l	98
4) Vinyl Chloride	2.37	62	12979	21.361	ug/l	98
5) Bromomethane	2.78	94	8912	21.830	ug/l	96
6) Chloroethane	2.92	64	6844	20.463	ug/l	90
7) Trichlorofluoromethane	3.26	101	10888	19.932	ug/l	99
8) Diethyl Ether	3.67	74	9125	21.343	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17987	19.956	ug/l	98
10) Methyl Iodide	4.26	142	31575	21.151	ug/l	98
11) Tert butyl alcohol	5.17	59	7909	117.333	ug/l	98
12) 1,1-Dichloroethene	4.03	96	17923	20.652	ug/l	98
13) Acrolein	3.89	56	4660	104.479	ug/l	100
14) Allyl chloride	4.67	41	27398	21.418	ug/l	98
15) Acrylonitrile	5.37	53	18148	100.690	ug/l	99
16) Acetone	4.12	43	16036	93.540	ug/l	92
17) Carbon Disulfide	4.37	76	55035	20.915	ug/l	99
18) Methyl Acetate	4.67	43	9684	20.813	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	28330	21.639	ug/l	96
20) Methylene Chloride	4.90	84	20671	19.673	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	20461	21.076	ug/l	97
22) Diisopropyl ether	6.32	45	52330	21.283	ug/l	98
23) Vinyl Acetate	6.26	43	142018	103.263	ug/l	97
24) 1,1-Dichloroethane	6.21	63	34903	21.003	ug/l	99
25) 2-Butanone	7.17	43	21014	93.893	ug/l	97
26) 2,2-Dichloropropane	7.16	77	22019	20.020	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	22244	20.926	ug/l	97
28) Bromochloromethane	7.51	49	11959	19.132	ug/l	98
29) Tetrahydrofuran	7.53	42	14425	101.810	ug/l	99
30) Chloroform	7.67	83	37637	20.812	ug/l	97
31) Cyclohexane	7.95	56	30539	20.030	ug/l	# 84
32) 1,1,1-Trichloroethane	7.87	97	32670	20.600	ug/l	99
36) 1,1-Dichloropropene	8.08	75	28244	21.043	ug/l	99
37) Ethyl Acetate	7.25	43	10678	21.389	ug/l	96
38) Carbon Tetrachloride	8.07	117	30695	21.018	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	34503	21.229	ug/l	87
40) Benzene	8.32	78	81531	21.888	ug/l	99
41) Methacrylonitrile	7.48	41	6707	23.593	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	24920	21.297	ug/l	99
43) Isopropyl Acetate	8.42	43	21151	21.449	ug/l	99
44) Trichloroethene	9.09	130	23537	22.128	ug/l	96
45) 1,2-Dichloropropane	9.37	63	18797	21.807	ug/l	99
46) Dibromomethane	9.46	93	10458	21.364	ug/l	97
47) Bromodichloromethane	9.65	83	27648	21.533	ug/l	95
48) Methyl methacrylate	9.44	41	10635	20.999	ug/l	97
49) 1,4-Dioxane	9.45	88	3415	429.958	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	47953	102.917	ug/l	96
52) Toluene	10.39	92	50979	21.148	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	26751	21.460	ug/l #	88
54) cis-1,3-Dichloropropene	10.07	75	30797	21.372	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	14204	21.320	ug/l	91
56) Ethyl methacrylate	10.65	69	17227	21.513	ug/l	95
57) 1,3-Dichloropropane	10.93	76	24001	21.949	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	32168	87.111	ug/l	100
59) 2-Hexanone	10.97	43	31228	100.512	ug/l	98
60) Dibromochloromethane	11.13	129	17965	21.367	ug/l	100
61) 1,2-Dibromoethane	11.24	107	13514	20.526	ug/l	99
64) Tetrachloroethene	10.87	164	18971	20.333	ug/l	95
65) Chlorobenzene	11.66	112	58543	21.648	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	20000	20.999	ug/l	99
67) Ethyl Benzene	11.73	91	102448	22.035	ug/l	96
68) m/p-Xylenes	11.83	106	74991	41.489	ug/l	94
69) o-Xylene	12.17	106	34926	20.690	ug/l	99
70) Styrene	12.18	104	56580	20.751	ug/l	99
71) Bromoform	12.35	173	9368	19.217	ug/l #	95
73) Isopropylbenzene	12.47	105	103357	22.875	ug/l	97
74) N-amyl acetate	12.27	43	16870	20.544	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	13658	20.409	ug/l	92
76) 1,2,3-Trichloropropane	12.77	75	9640m	19.827	ug/l	
77) Bromobenzene	12.75	156	22661	22.627	ug/l	96
78) n-propylbenzene	12.81	91	123944	24.375	ug/l	95
79) 2-Chlorotoluene	12.90	91	68190	22.163	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	85054	22.403	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4348	19.755	ug/l	95
82) 4-Chlorotoluene	12.99	91	71412	22.019	ug/l	96
83) tert-Butylbenzene	13.21	119	72457	21.660	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	85781	21.957	ug/l	98
85) sec-Butylbenzene	13.39	105	99999	21.898	ug/l	97
86) p-Isopropyltoluene	13.51	119	88159	21.489	ug/l	96
87) 1,3-Dichlorobenzene	13.51	146	43393	21.731	ug/l	94
88) 1,4-Dichlorobenzene	13.58	146	45587	22.709	ug/l	98
89) n-Butylbenzene	13.83	91	82220	21.618	ug/l	96
90) Hexachloroethane	14.10	117	15878	21.752	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	40317	22.542	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2896	21.564	ug/l	97

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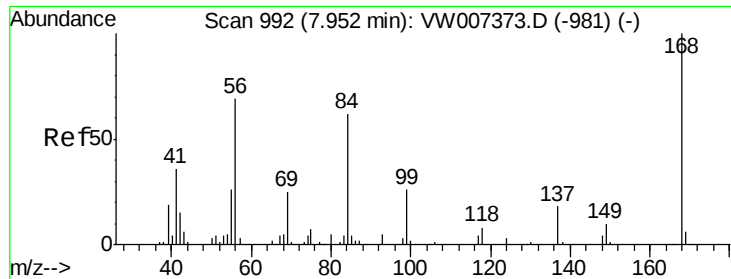
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	29429	23.910	ug/l	91
94) Hexachlorobutadiene	15.24	225	14314	21.918	ug/l	96
95) Naphthalene	15.38	128	52570	22.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	24578	22.988	ug/l	98

(#) = 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. -0.01 min

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VW1211SBS01

Tgt Ion: 168 Resp: 88467

Ion Ratio Lower Upper

168 100

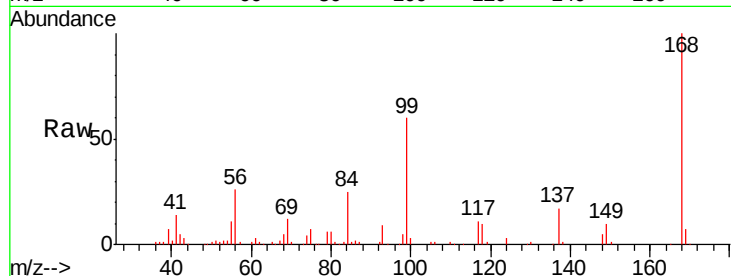
99 60.0 48.3 72.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

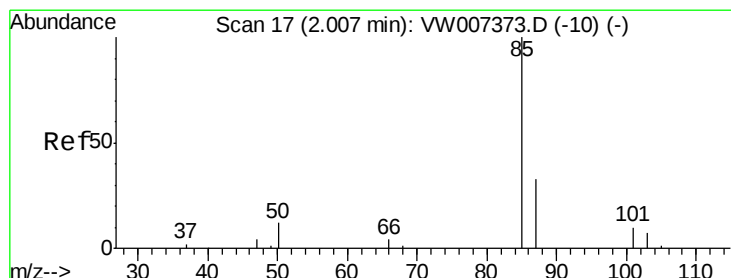
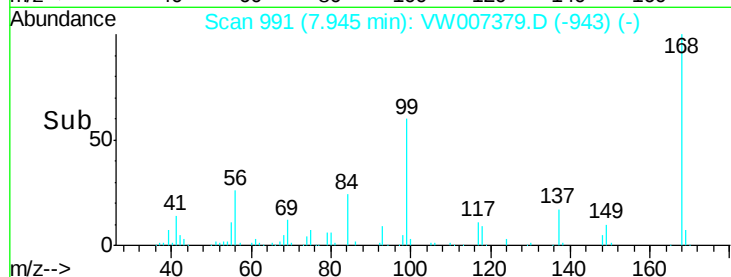
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.236 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007379.D

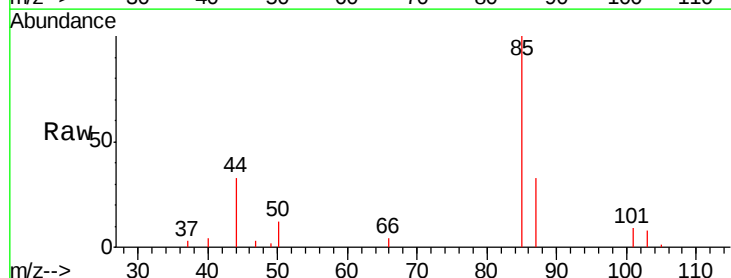
Acq: 11 Dec 2018 03:33

Tgt Ion: 85 Resp: 12510

Ion Ratio Lower Upper

85 100

87 33.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

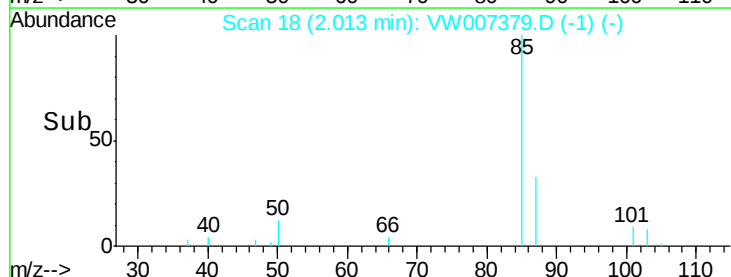
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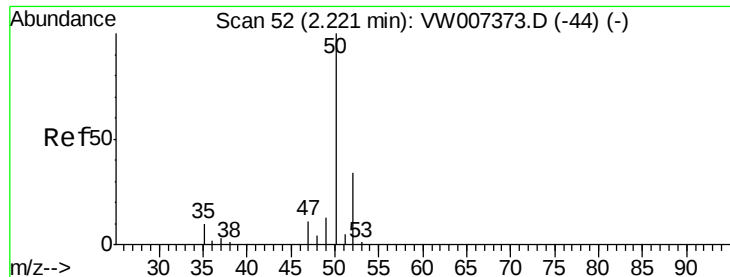
2000

1000

0

Time-->





#3

Chloromethane

Concen: 21.682 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

ClientSampleId :

VW1211SBS01

Tgt Ion: 50 Resp: 11226

Ion Ratio Lower Upper

50 100

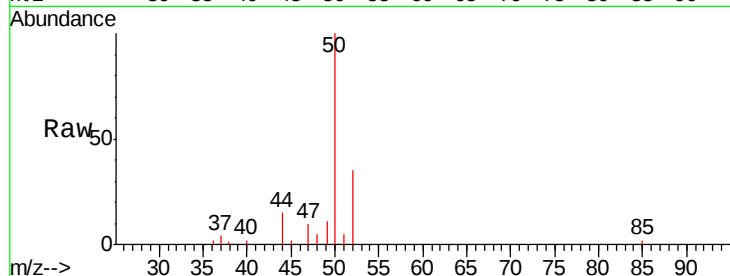
52 35.4 27.4 41.0

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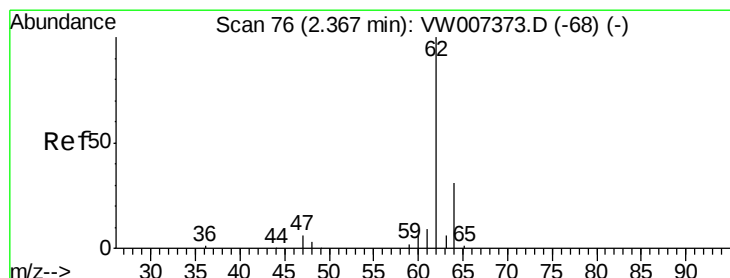
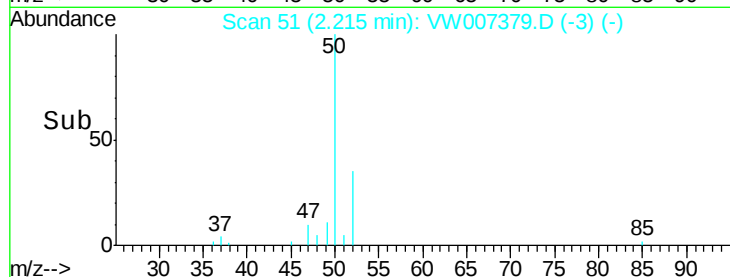
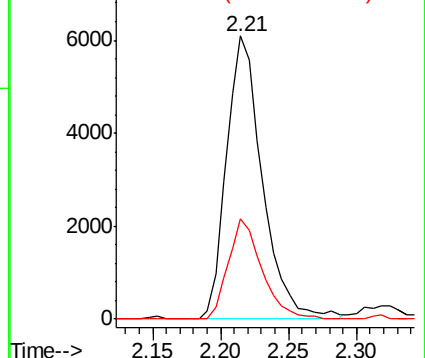
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.361 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007379.D

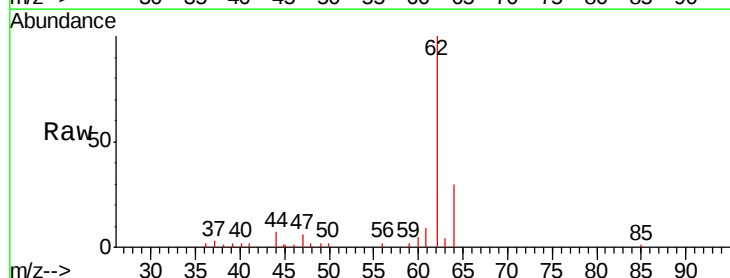
Acq: 11 Dec 2018 03:33

Tgt Ion: 62 Resp: 12979

Ion Ratio Lower Upper

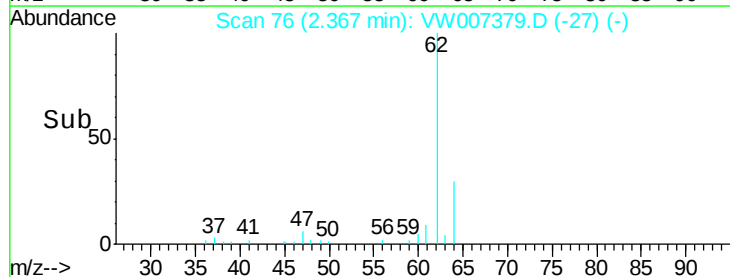
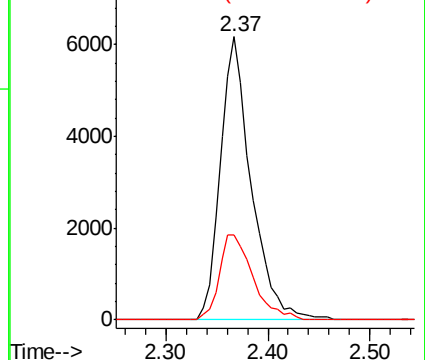
62 100

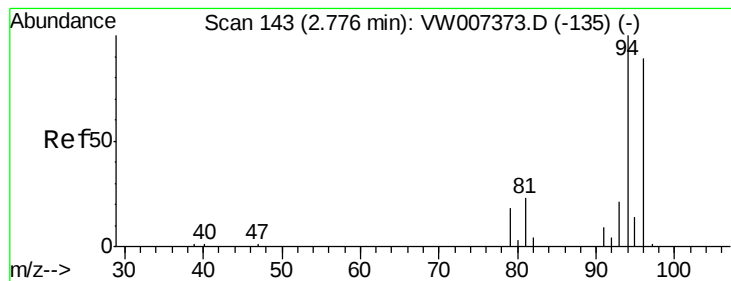
64 30.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 21.830 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

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VW1211SBS01

Tgt Ion: 94 Resp: 8912

Ion Ratio Lower Upper

94 100

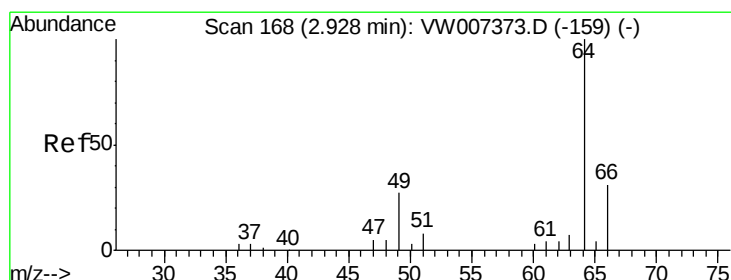
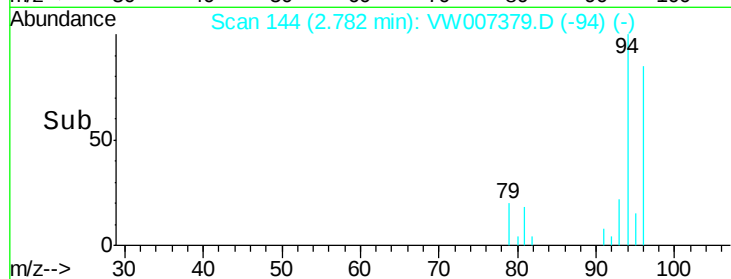
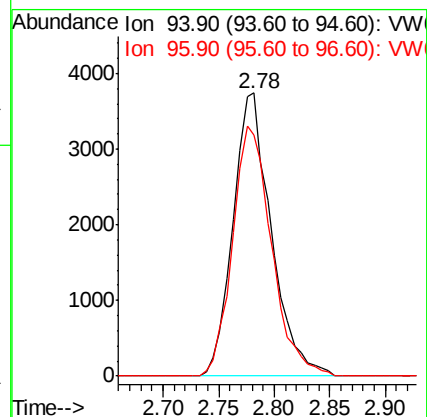
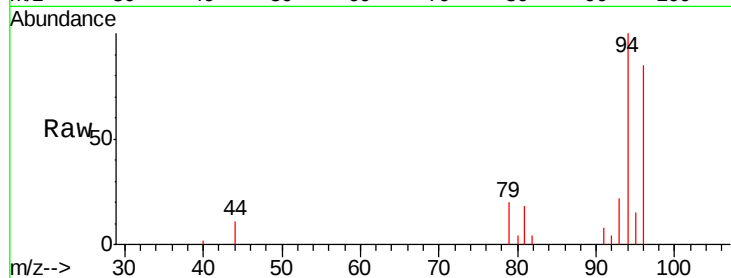
96 85.3 71.0 106.4

Manual Integrations

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12/27/2018 8:19:39 AM



#6

Chloroethane

Concen: 20.463 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007379.D

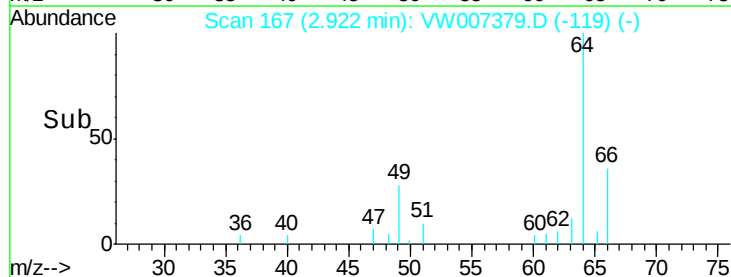
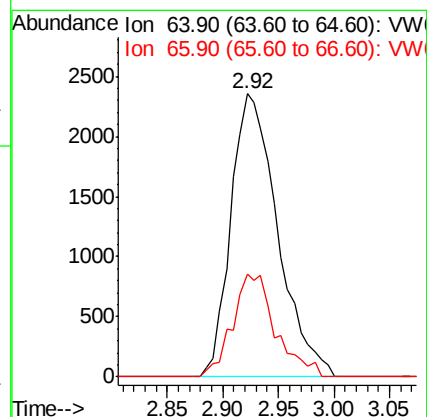
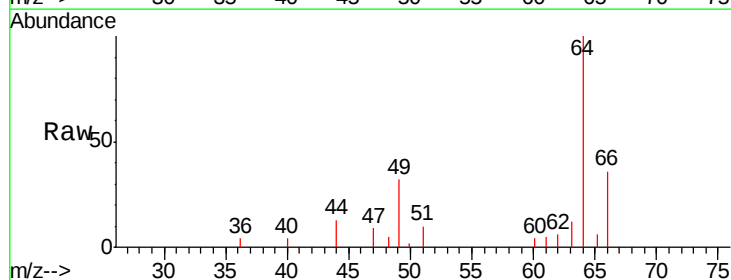
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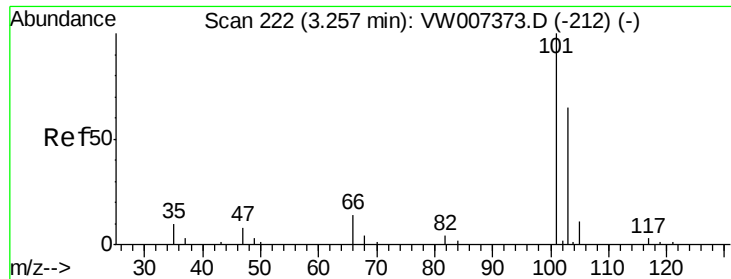
Tgt Ion: 64 Resp: 6844

Ion Ratio Lower Upper

64 100

66 36.3 24.6 37.0





#7

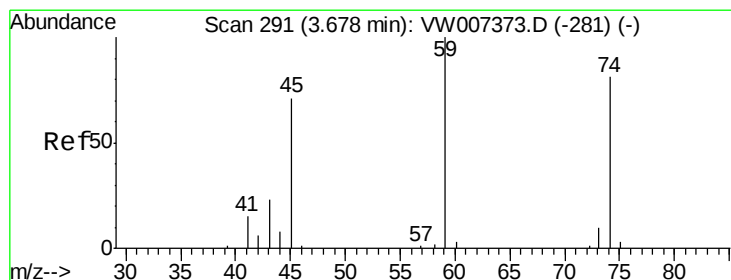
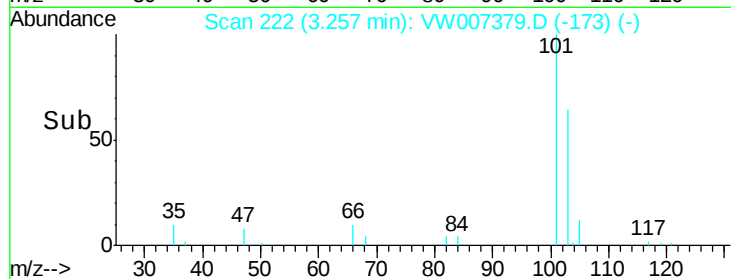
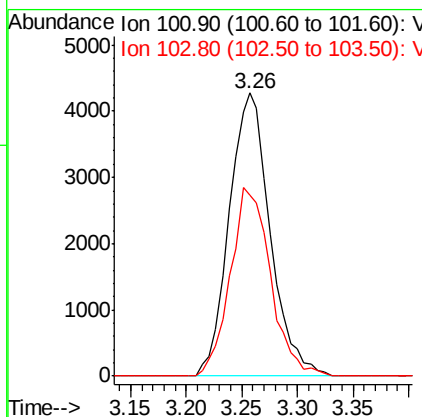
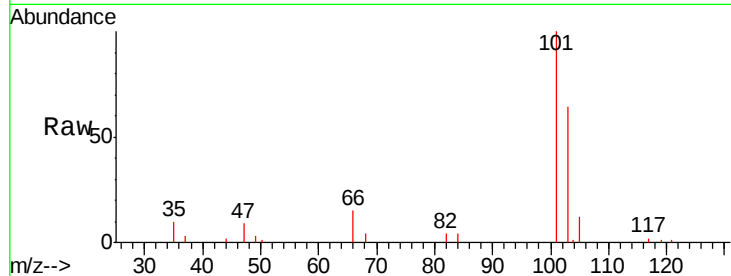
Trichlorofluoromethane
 Concen: 19.932 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

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 VW1211SBS01

Tgt Ion: 101 Resp: 10888
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.7 77.5

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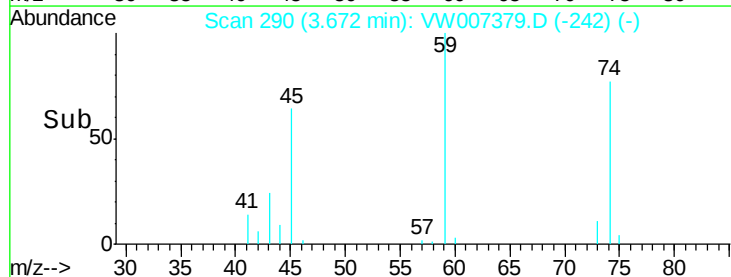
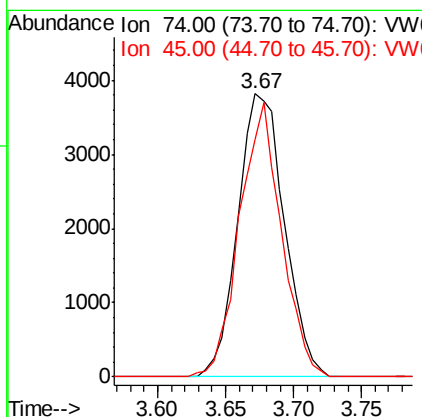
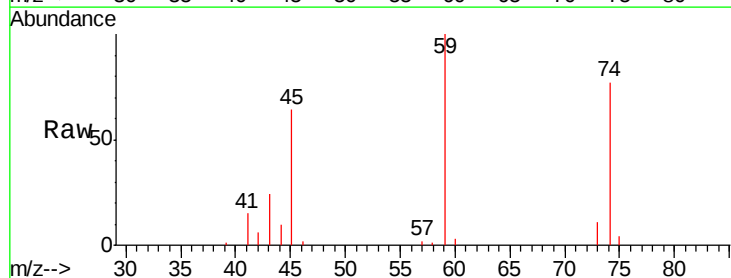
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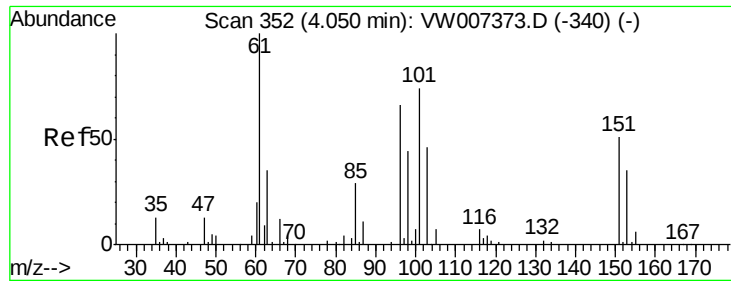


#8

Diethyl Ether
 Concen: 21.343 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Tgt Ion: 74 Resp: 9125
 Ion Ratio Lower Upper
 74 100
 45 87.0 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.956 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

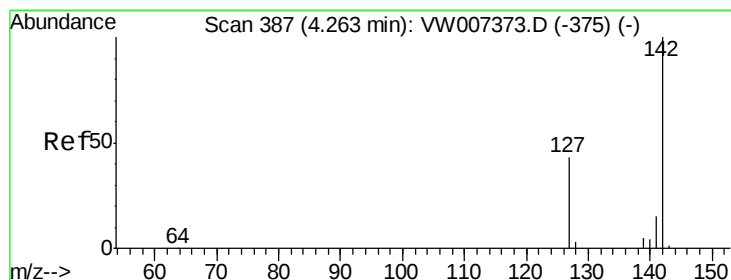
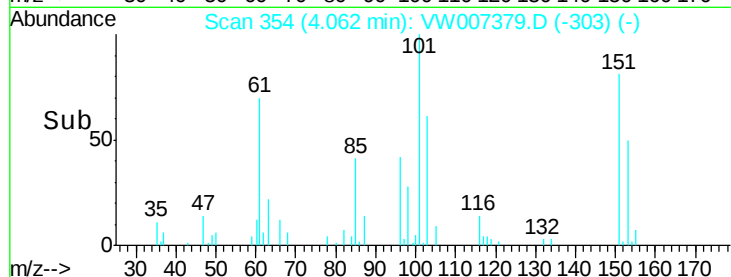
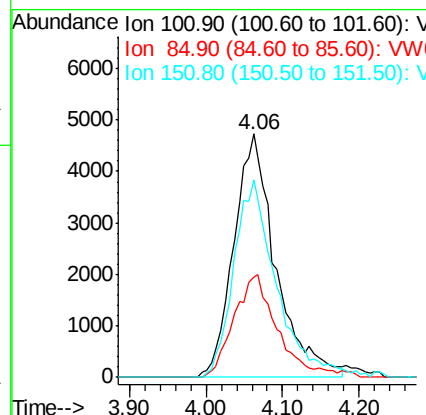
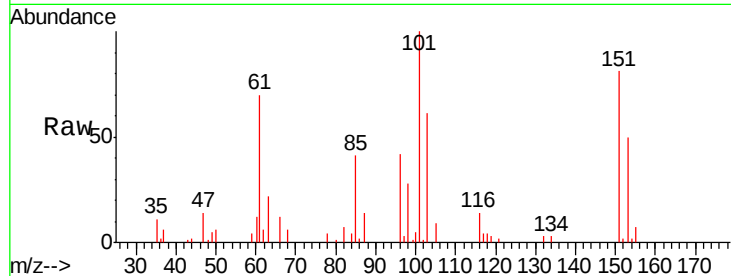
ClientSampleId :

VW1211SBS01

Tgt Ion:	101	Resp:	17987
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.9	50.9
151	82.8	63.7	95.5

Manual Integrations
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#10

Methyl Iodide

Concen: 21.151 ug/l

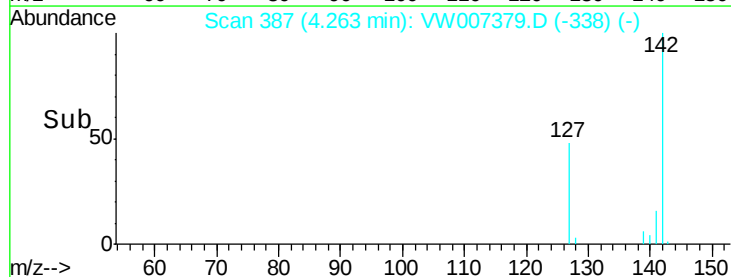
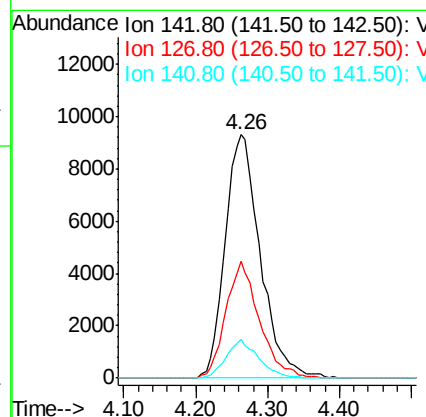
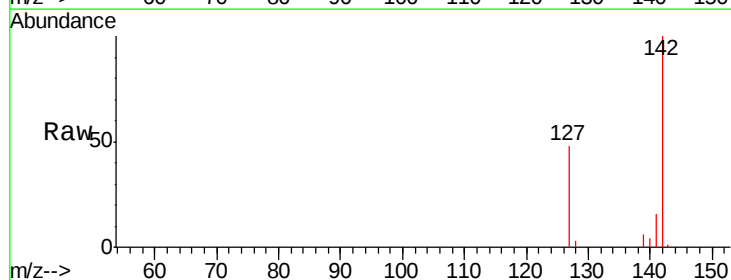
RT: 4.26 min Scan# 387

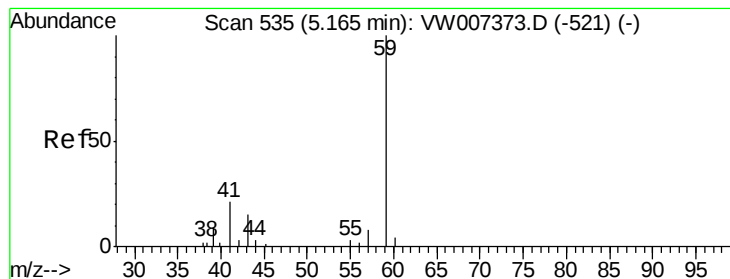
Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Tgt Ion:	142	Resp:	31575
Ion Ratio	Lower	Upper	
142	100		
127	45.8	35.8	53.6
141	14.7	11.1	16.7





#11

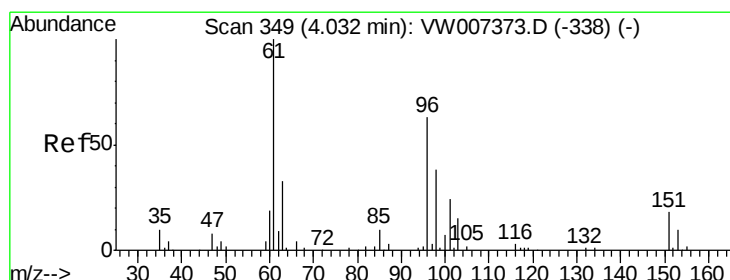
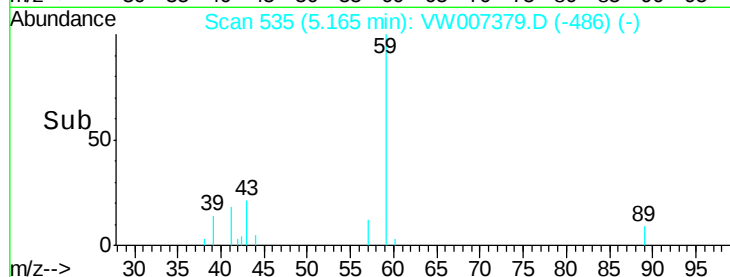
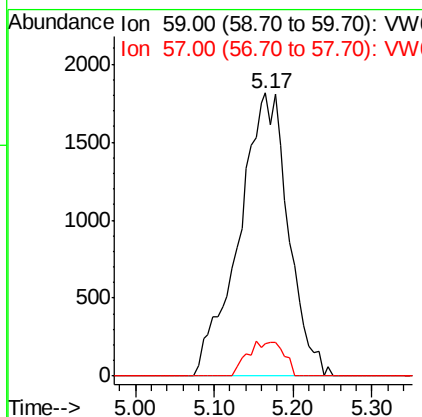
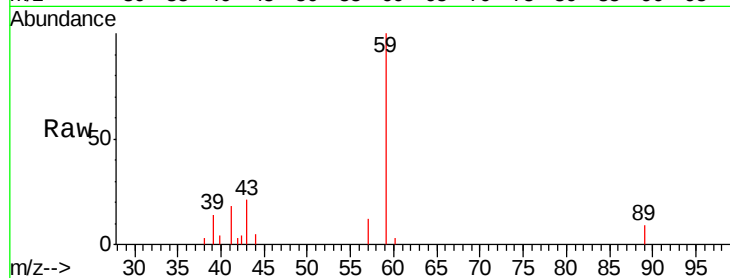
Tert butyl alcohol
Concen: 117.333 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.6	11.4

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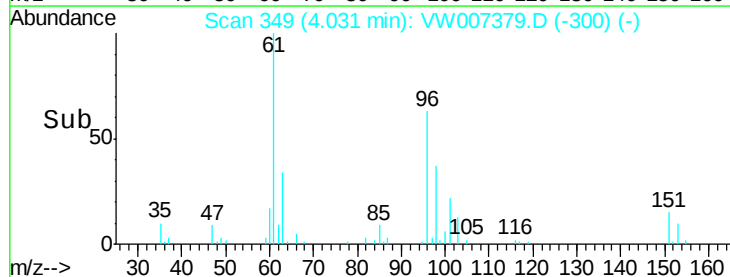
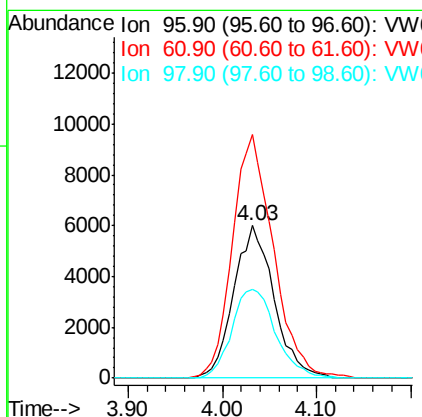
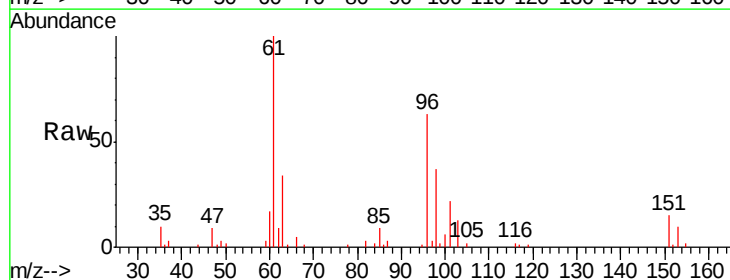
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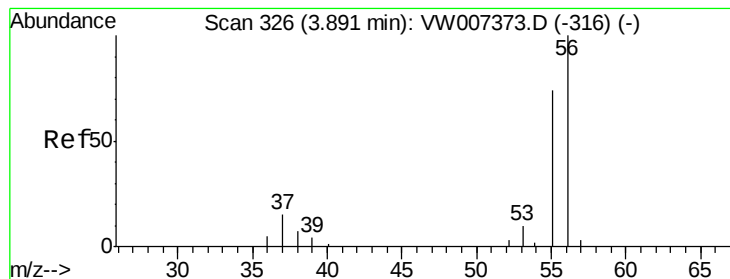


#12

1,1-Dichloroethene
Concen: 20.652 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	126.2	189.2
98	58.5	48.3	72.5





#13

Acrolein

Concen: 104.479 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

ClientSampleId :

VW1211SBS01

Tgt Ion: 56 Resp: 4660

Ion Ratio Lower Upper

56 100

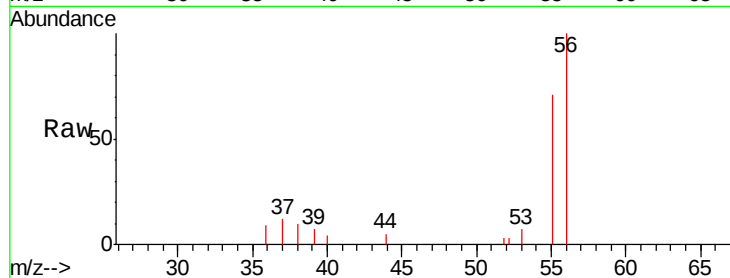
55 71.9 57.4 86.2

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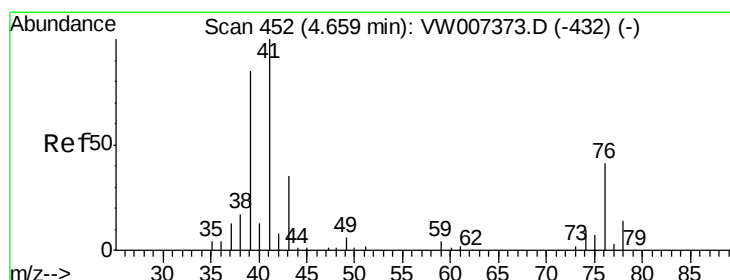
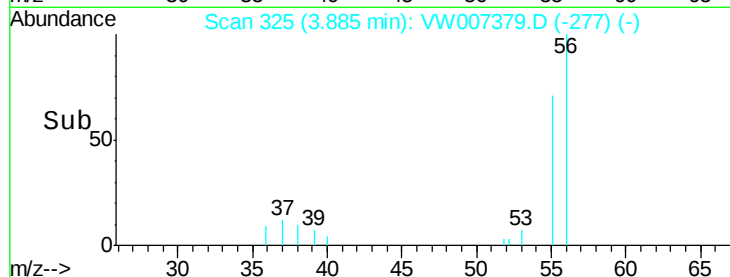
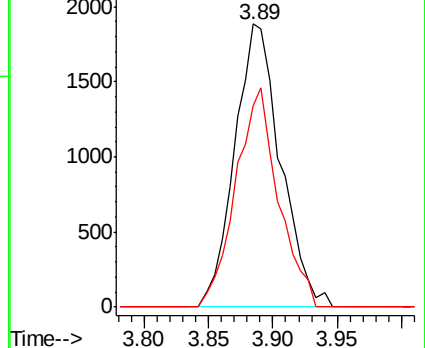
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.418 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

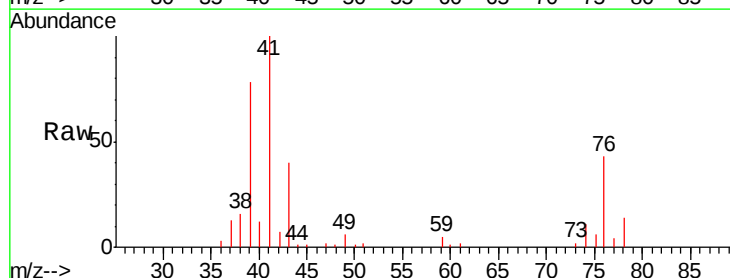
Tgt Ion: 41 Resp: 27398

Ion Ratio Lower Upper

41 100

39 77.2 63.4 95.2

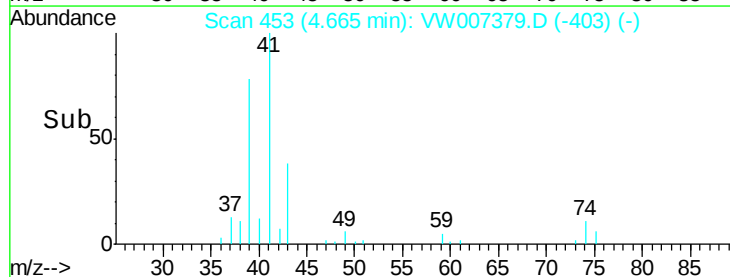
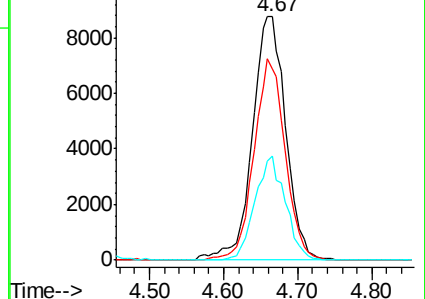
76 38.9 32.1 48.1

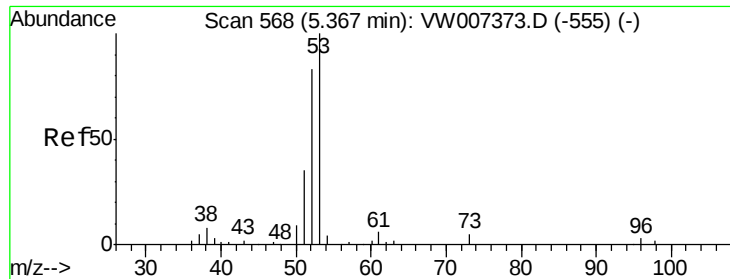


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





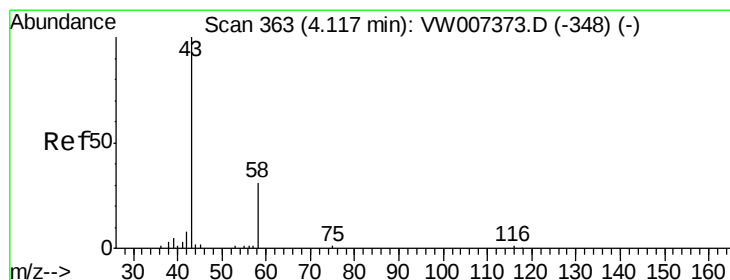
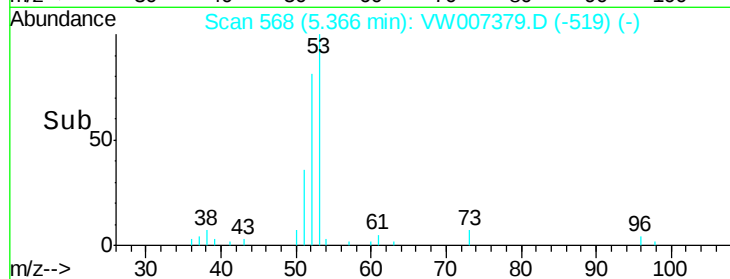
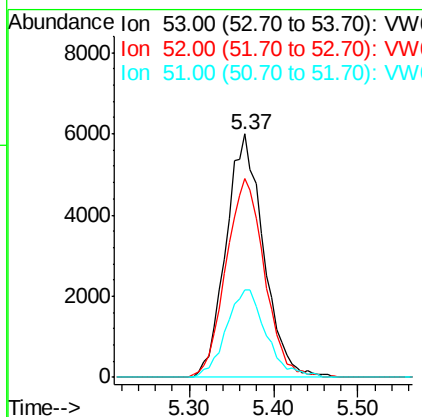
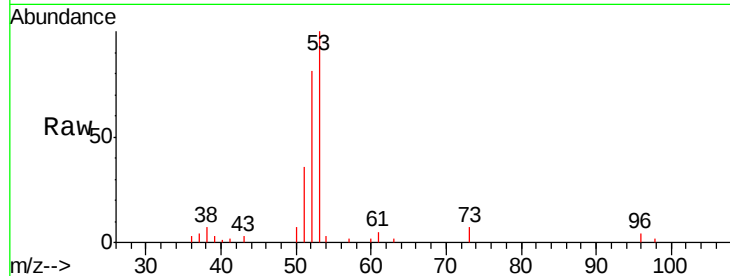
#15
Acrylonitrile
Concen: 100.690 ug/l
RT: 5.37 min Scan# 568
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.4	101.2
51	38.3	30.2	45.2

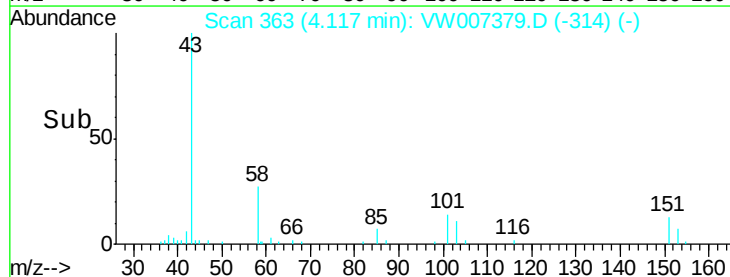
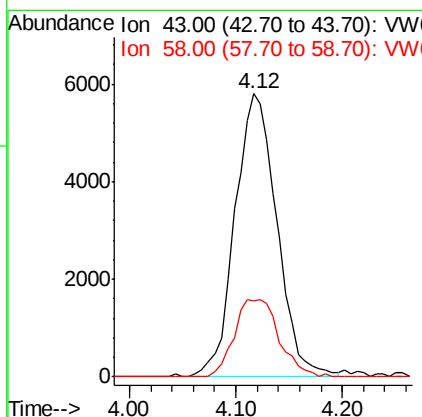
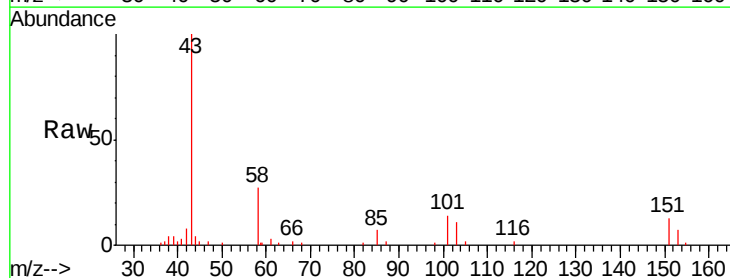
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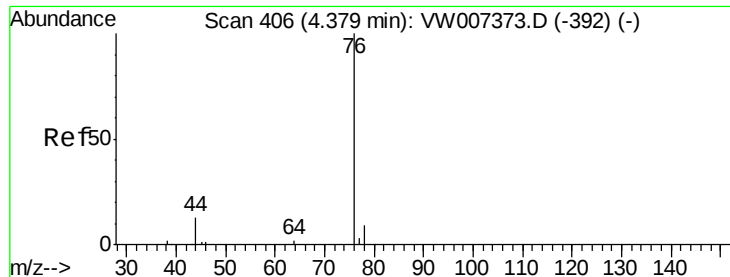
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#16
Acetone
Concen: 93.540 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.7	24.9	37.3





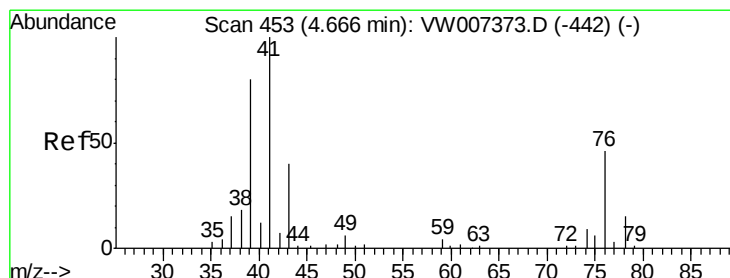
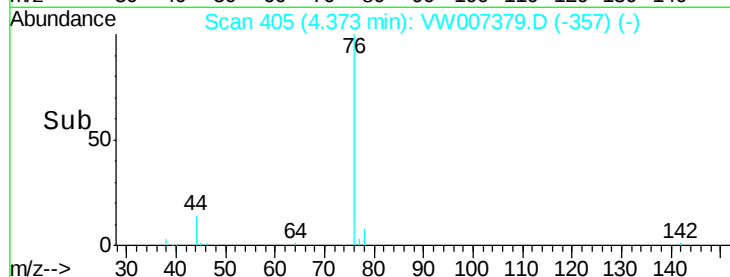
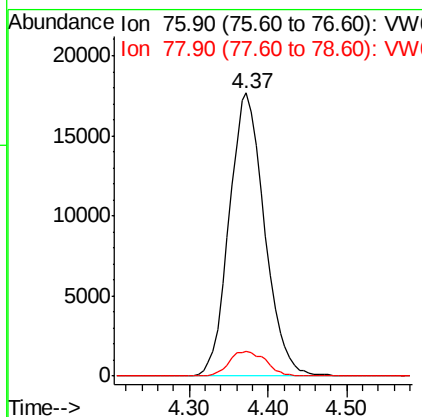
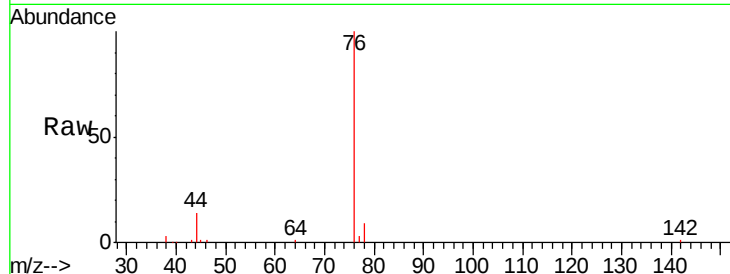
#17
Carbon Disulfide
Concen: 20.915 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion: 76 Resp: 55035
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7

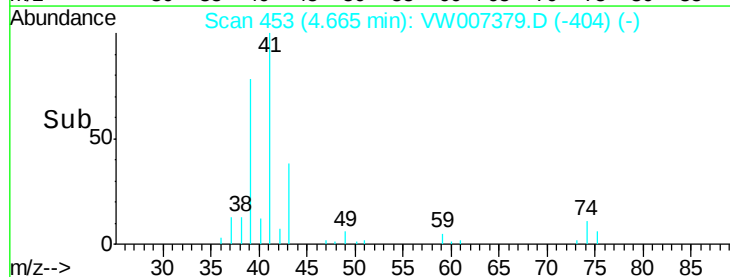
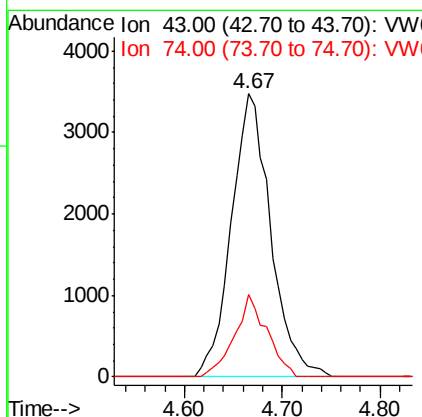
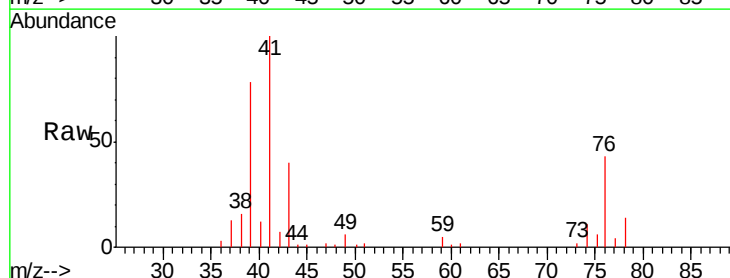
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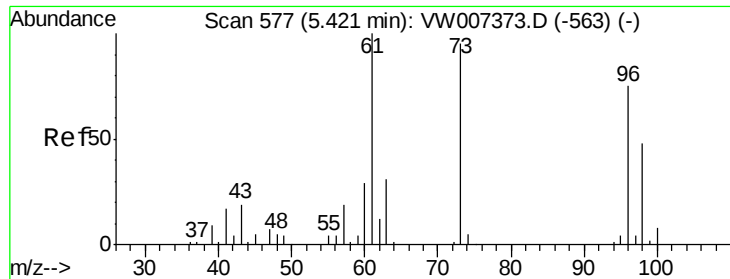
sam
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#18
Methyl Acetate
Concen: 20.813 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion: 43 Resp: 9684
Ion Ratio Lower Upper
43 100
74 23.9 21.1 31.7





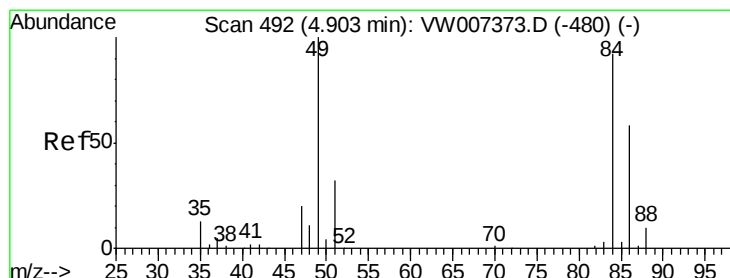
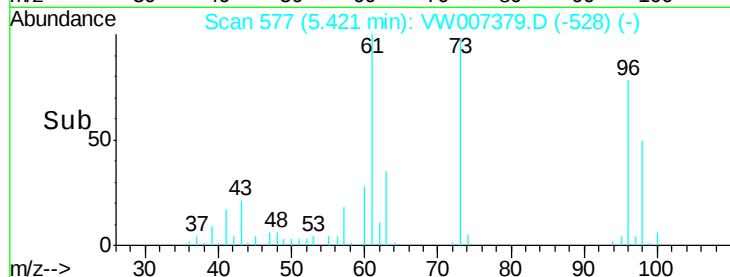
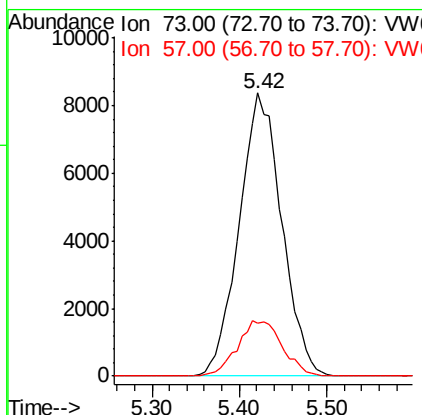
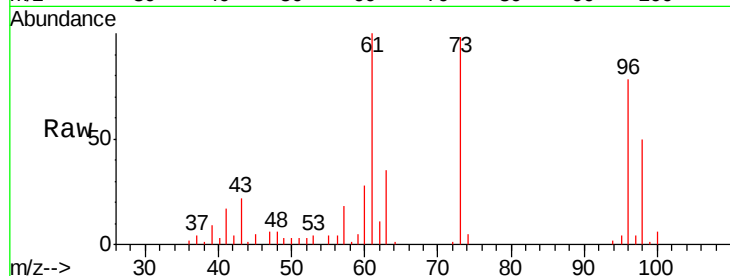
#19
Methyl tert-butyl Ether
Concen: 21.639 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion: 73 Resp: 28330
Ion Ratio Lower Upper
73 100
57 18.7 16.4 24.6

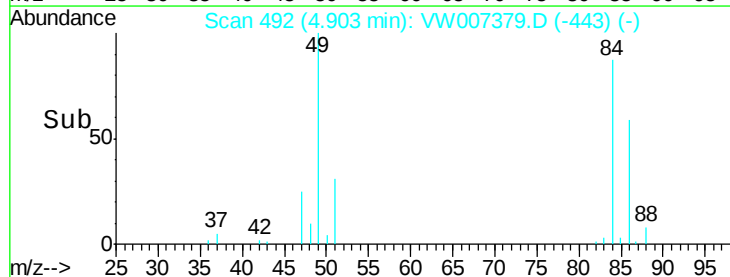
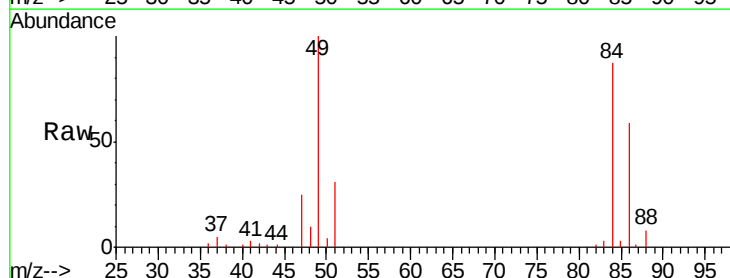
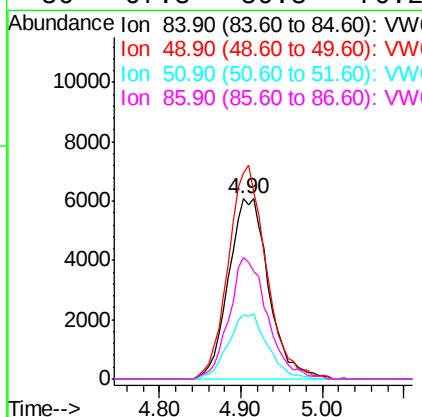
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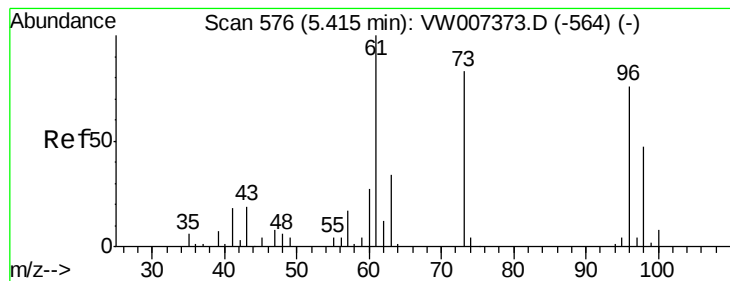
sam
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#20
Methylene Chloride
Concen: 19.673 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion: 84 Resp: 20671
Ion Ratio Lower Upper
84 100
49 114.6 87.1 130.7
51 35.6 28.2 42.2
86 67.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.076 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

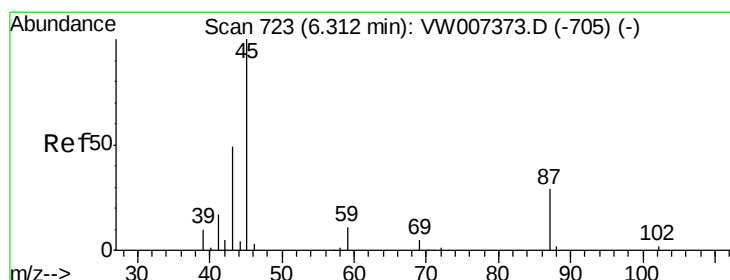
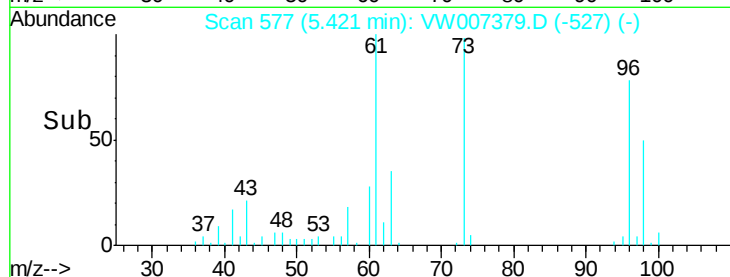
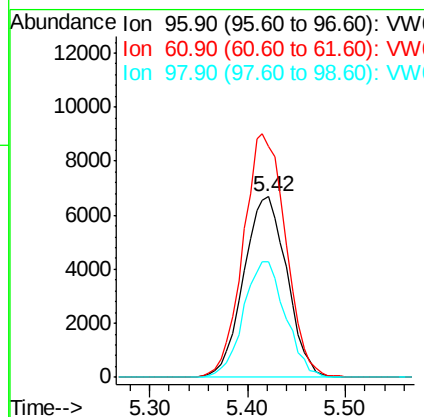
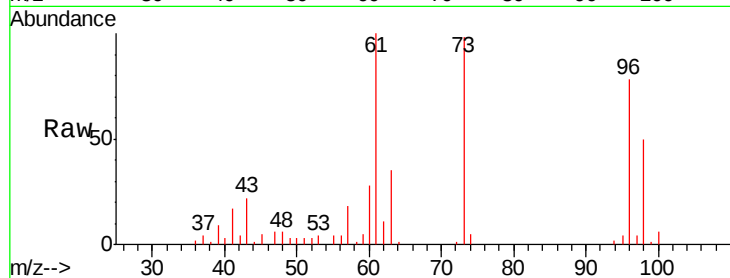
ClientSampleId :

VW1211SBS01

Tgt Ion:	96	Resp:	20461
Ion	Ratio	Lower	Upper
96	100		
61	128.0	105.0	157.6
98	64.0	49.7	74.5

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#22

Diisopropyl ether

Concen: 21.283 ug/l

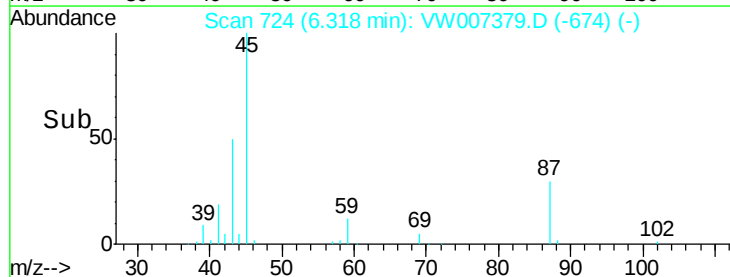
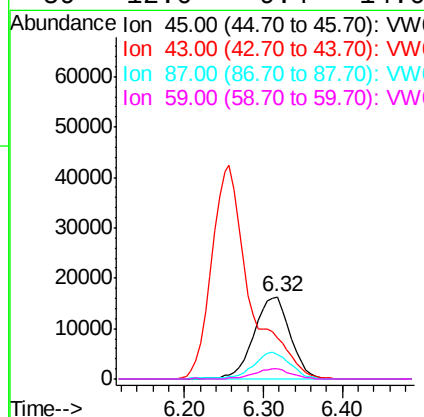
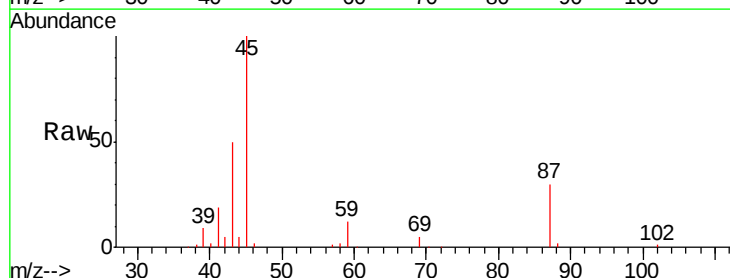
RT: 6.32 min Scan# 724

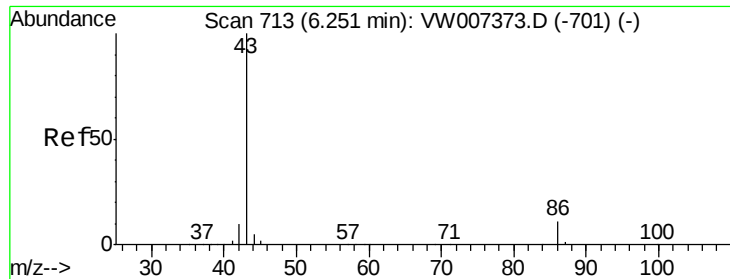
Delta R.T. 0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Tgt Ion:	45	Resp:	52330
Ion	Ratio	Lower	Upper
45	100		
43	49.5	41.6	62.4
87	30.0	24.3	36.5
59	12.0	9.4	14.0





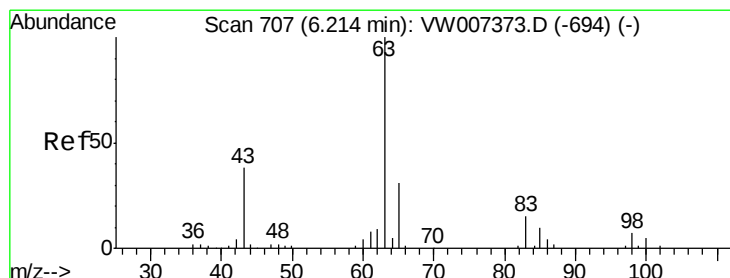
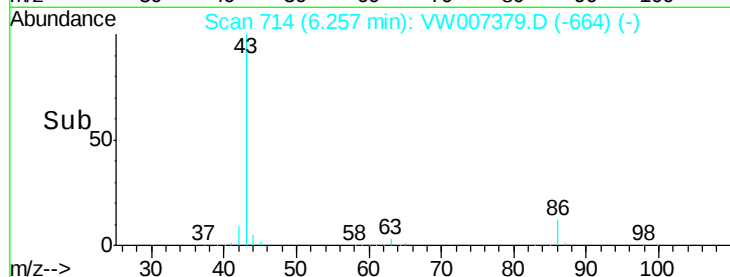
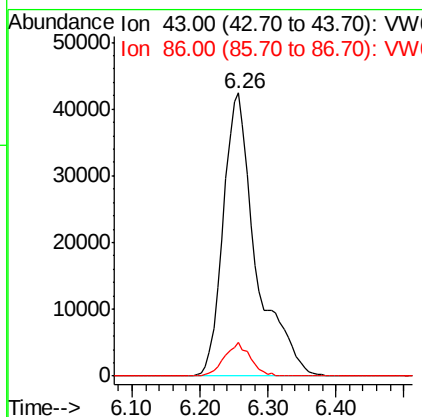
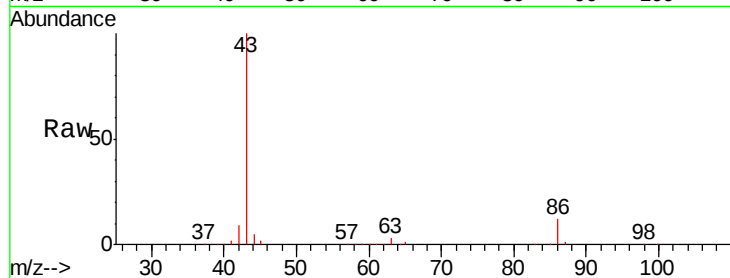
#23
 Vinyl Acetate
 Concen: 103.263 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.8	8.6	12.8

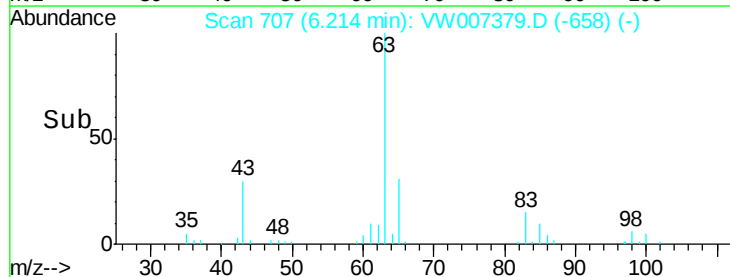
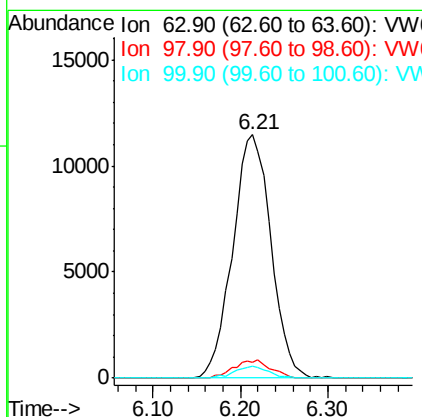
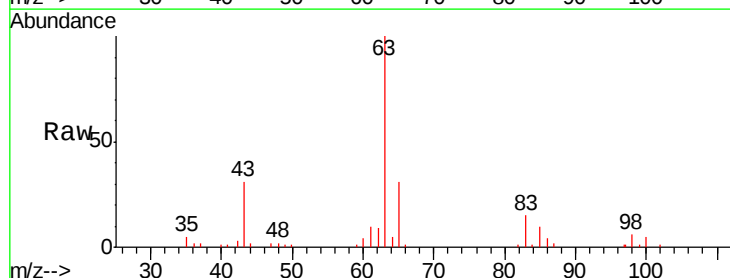
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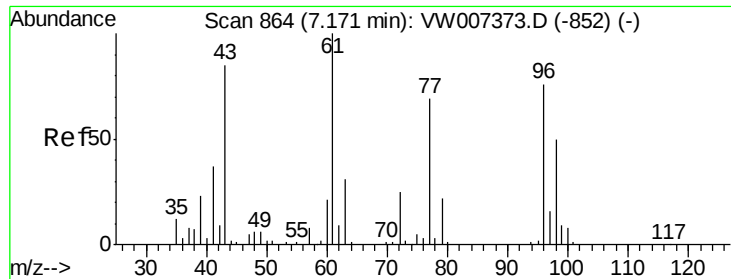
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#24
 1,1-Dichloroethane
 Concen: 21.003 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.4
100	4.9	2.5	7.5





#25

2-Butanone

Concen: 93.893 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

ClientSampleId :

VW1211SBS01

Tgt Ion: 43 Resp: 21014

Ion Ratio Lower Upper

43 100

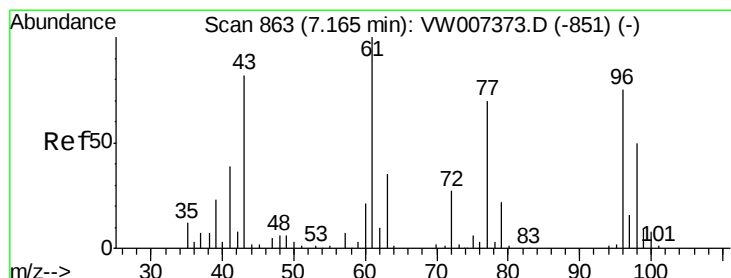
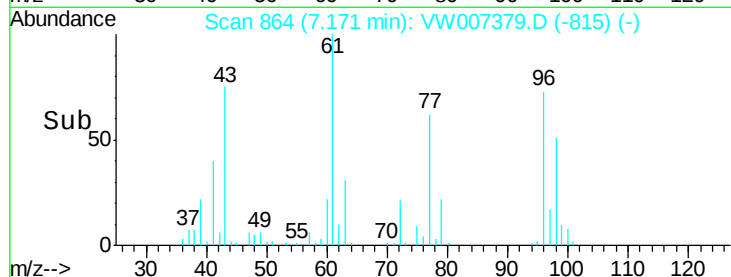
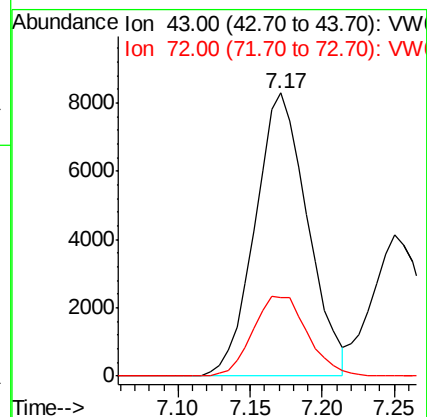
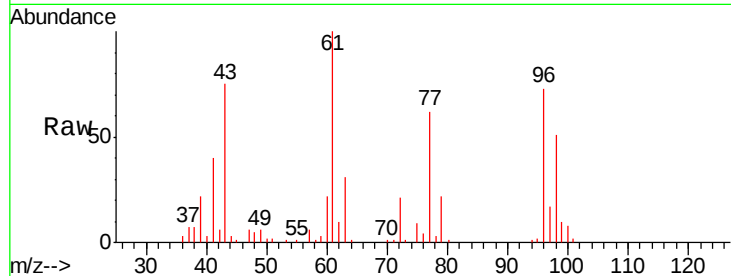
72 28.0 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.020 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007379.D

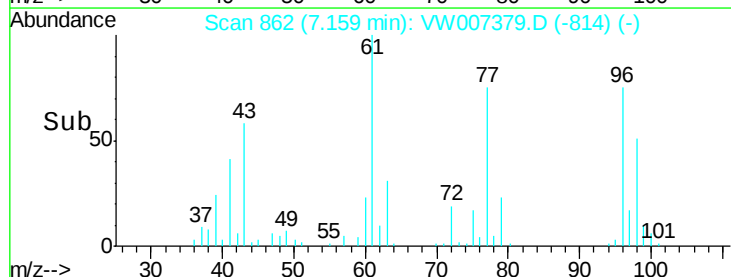
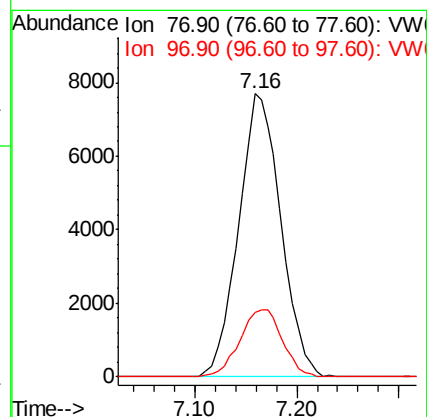
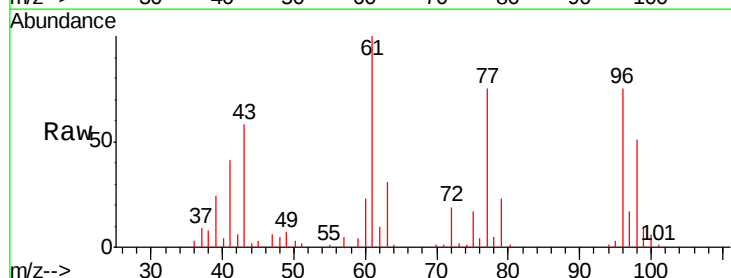
Acq: 11 Dec 2018 03:33

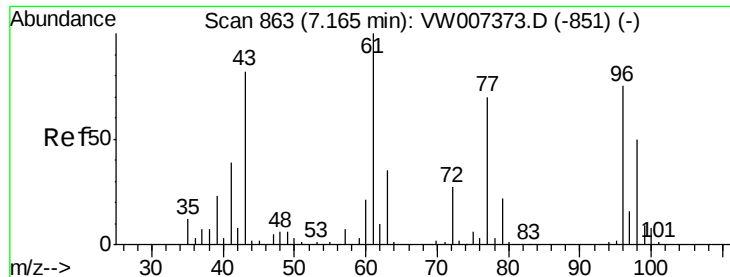
Tgt Ion: 77 Resp: 22019

Ion Ratio Lower Upper

77 100

97 24.1 11.6 34.8





#27

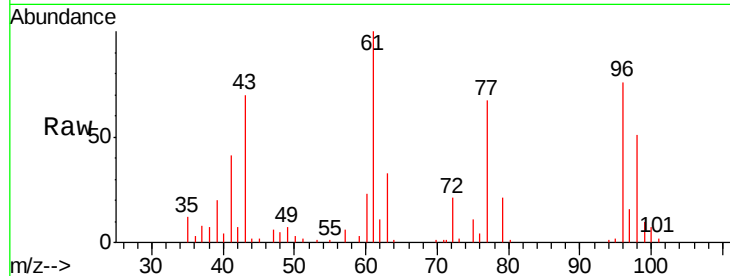
cis-1,2-Dichloroethene
Concen: 20.926 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

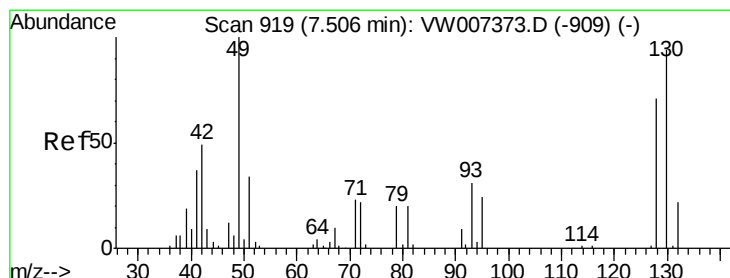
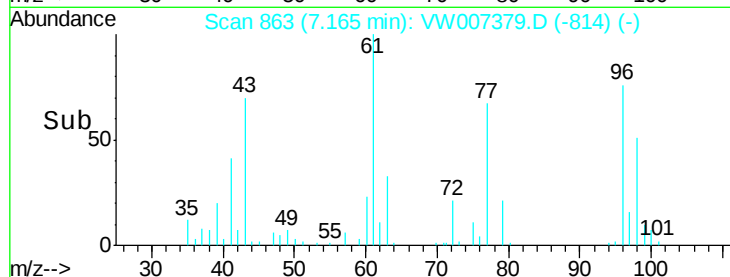
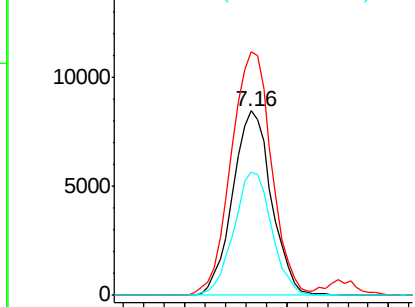
Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	268.4
98	65.4	0.0	127.8

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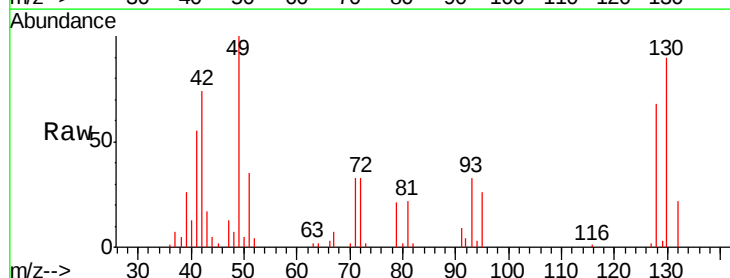
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



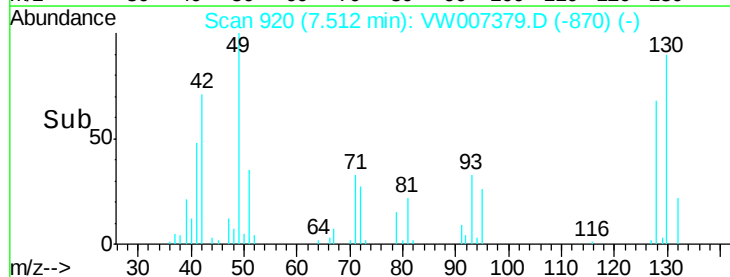
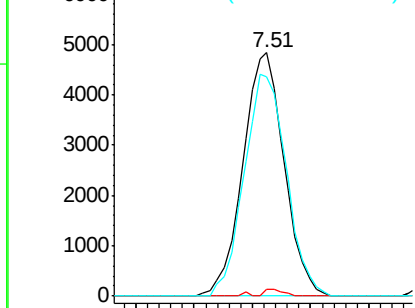
#28

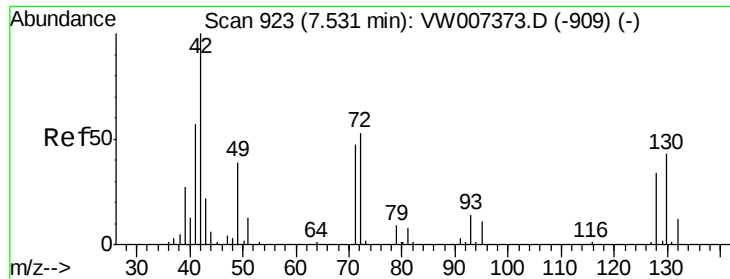
Bromochloromethane
Concen: 19.132 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.6
130	93.3	75.9	113.9



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





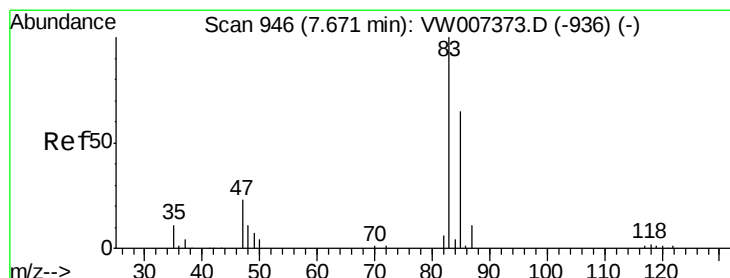
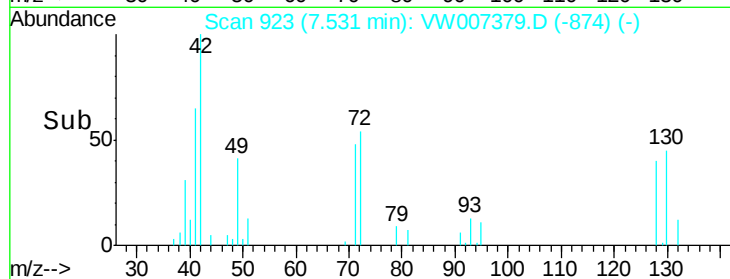
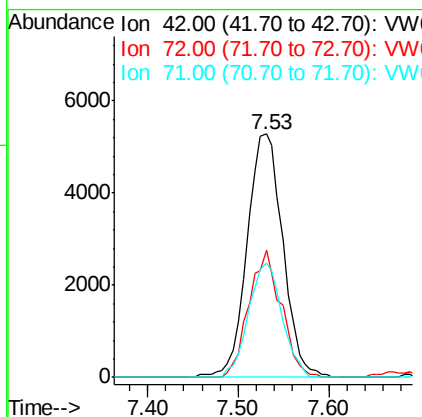
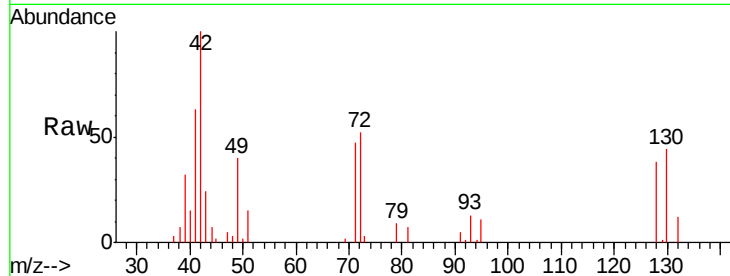
#29
Tetrahydrofuran
Concen: 101.810 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.2	38.2	57.4
71	44.1	35.5	53.3

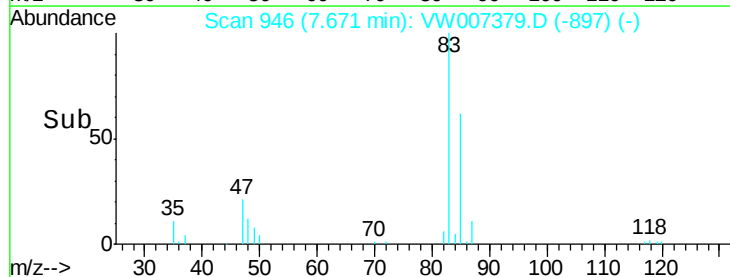
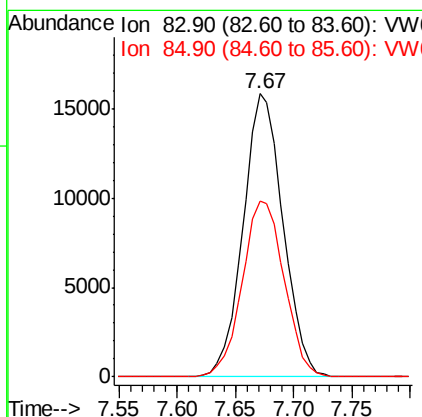
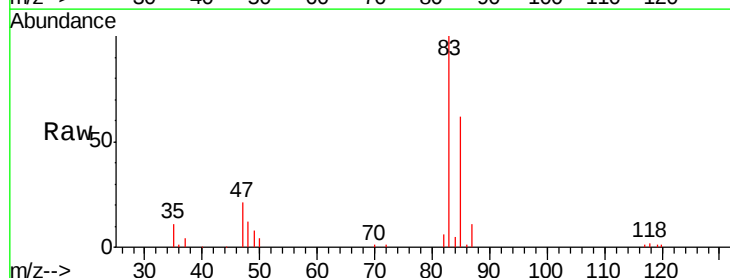
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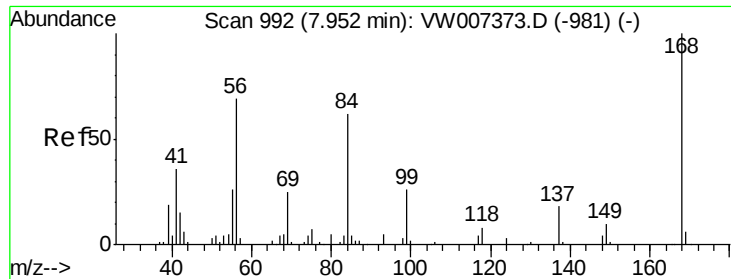
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#30
Chloroform
Concen: 20.812 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.8	77.8





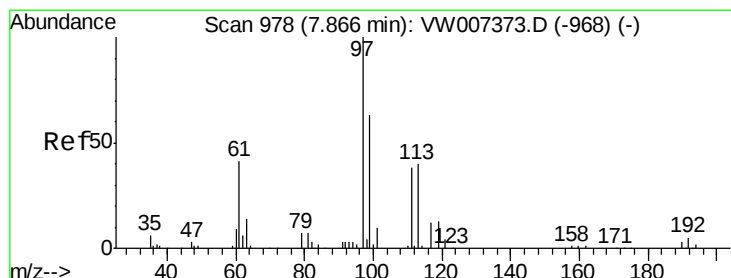
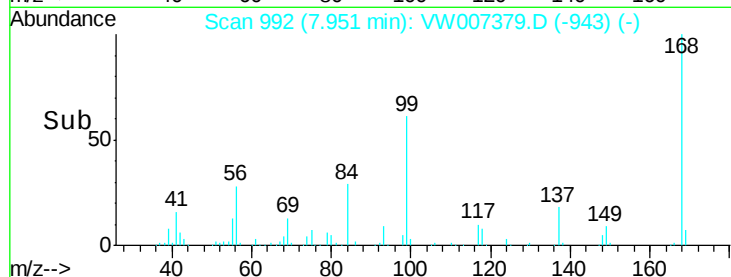
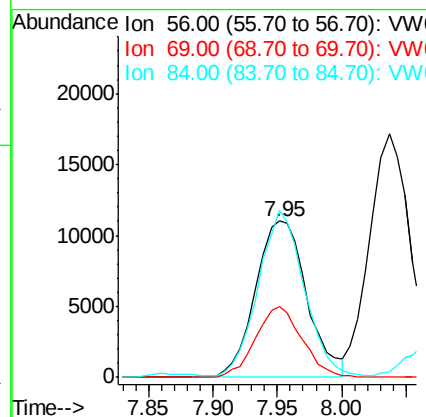
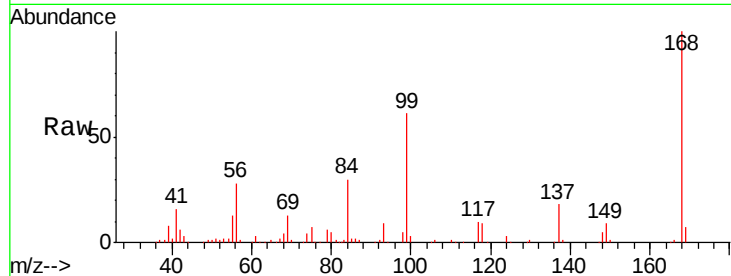
#31
Cyclohexane
Concen: 20.030 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion: 56 Resp: 30539
Ion Ratio Lower Upper
56 100
69 45.4 28.9 43.3#
84 104.3 71.8 107.6

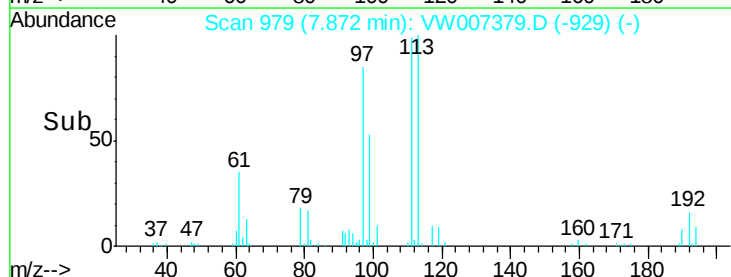
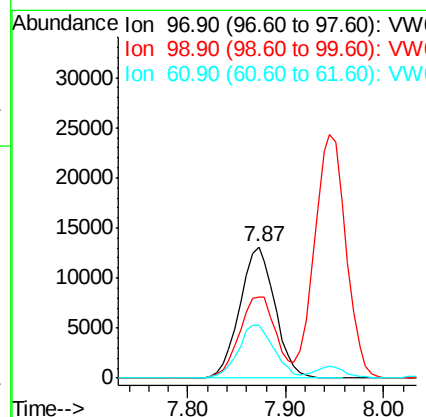
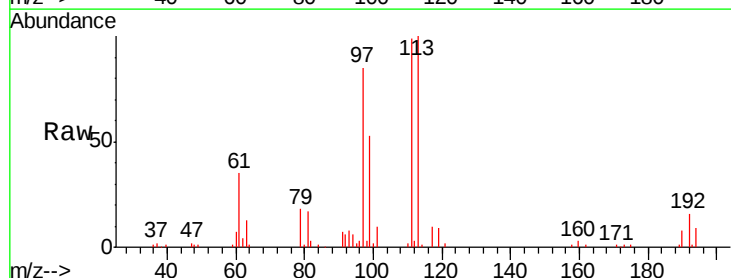
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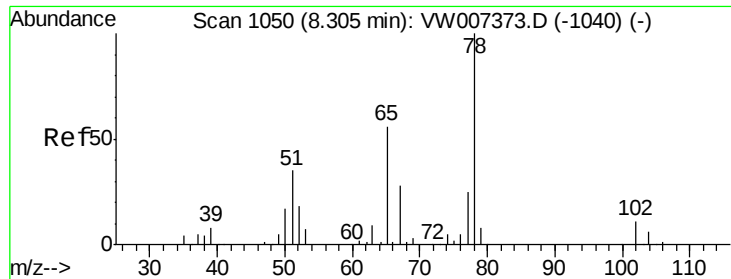
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#32
1,1,1-Trichloroethane
Concen: 20.600 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion: 97 Resp: 32670
Ion Ratio Lower Upper
97 100
99 65.3 51.1 76.7
61 41.1 33.2 49.8





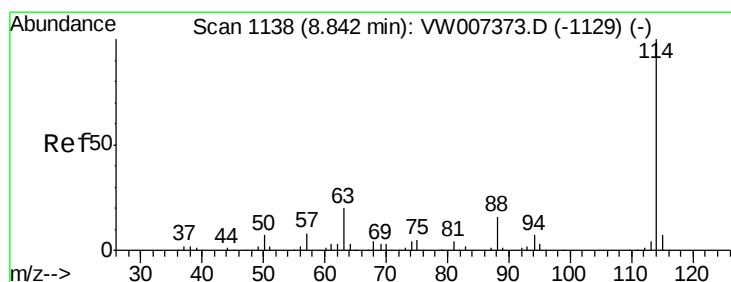
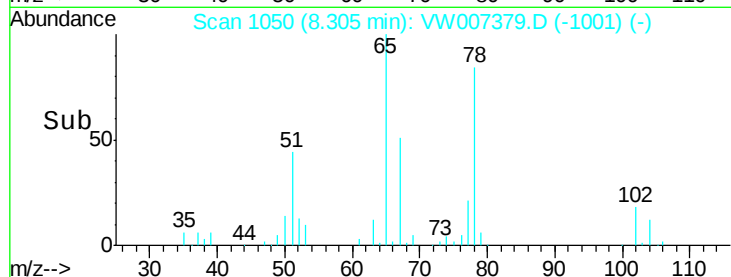
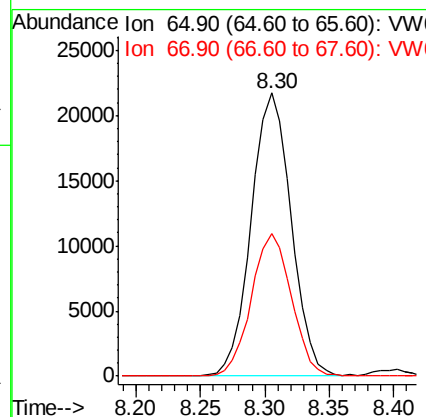
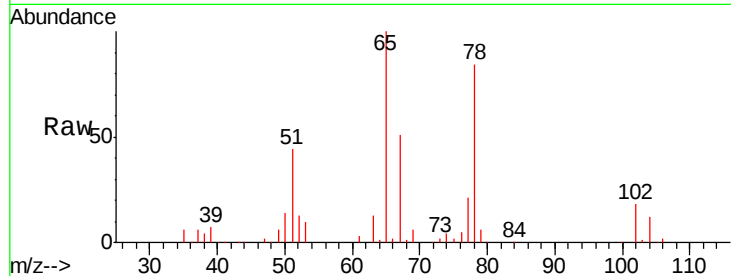
#33
 1,2-Dichloroethane-d4
 Concen: 47.512 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Tgt Ion: 65 Resp: 46632
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.6

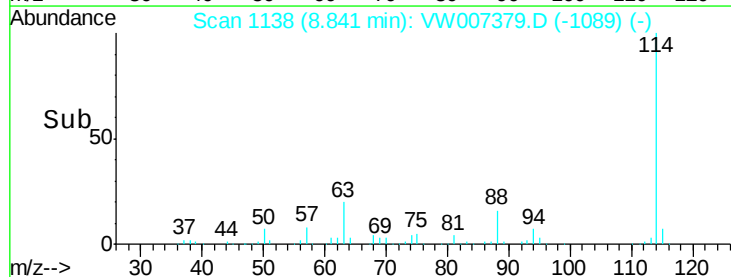
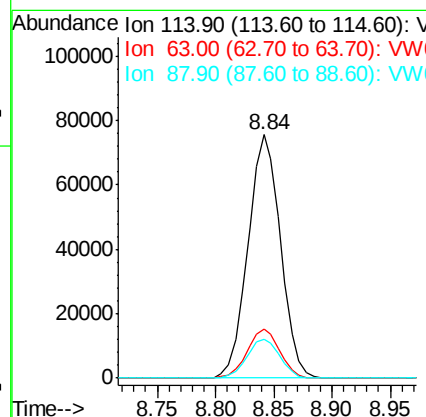
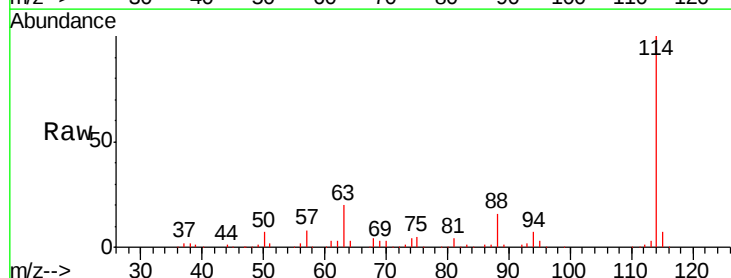
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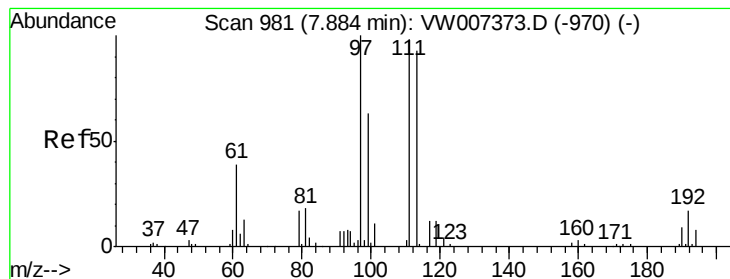
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Tgt Ion: 114 Resp: 147136
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.666 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

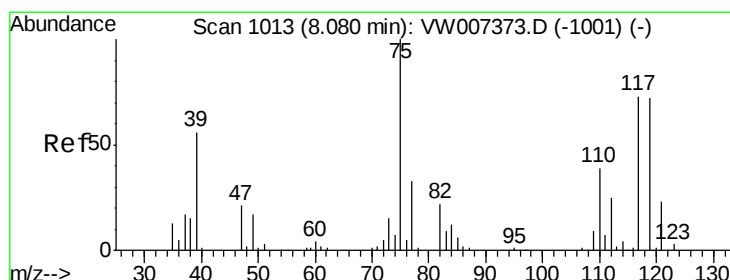
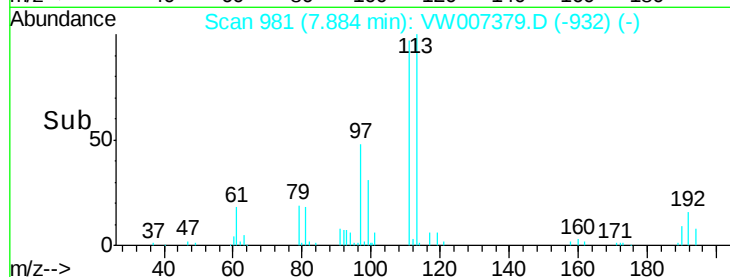
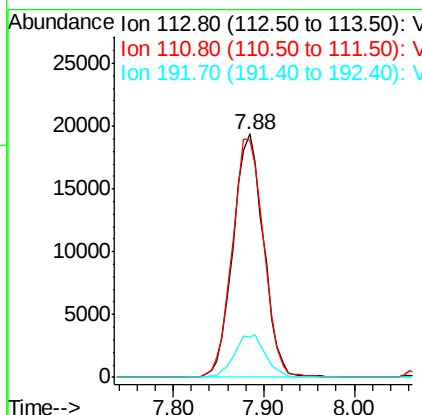
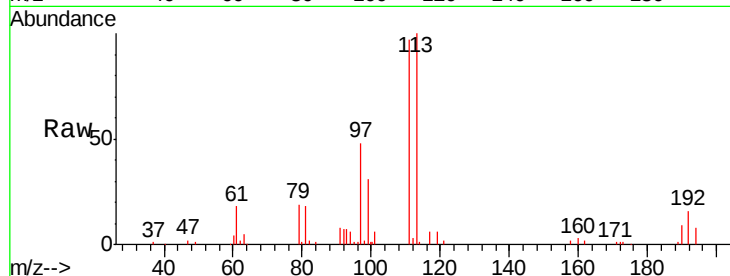
ClientSampleId :

VW1211SBS01

Tgt Ion:	113	Resp:	45127
Ion Ratio	Lower	Upper	
113	100		
111	100.9	81.1	121.7
192	17.8	14.6	21.8

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#36

1,1-Dichloropropene

Concen: 21.043 ug/l

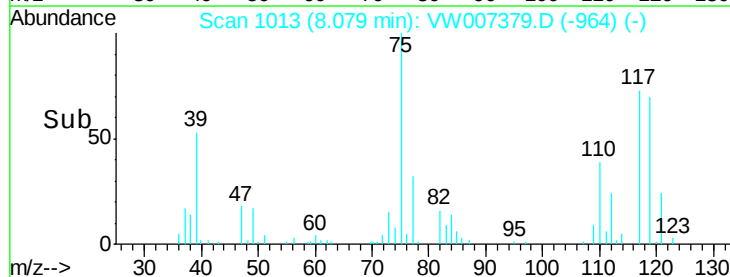
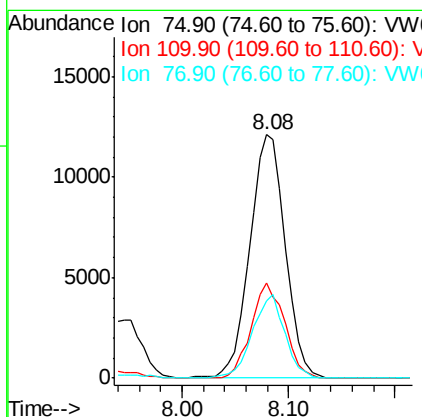
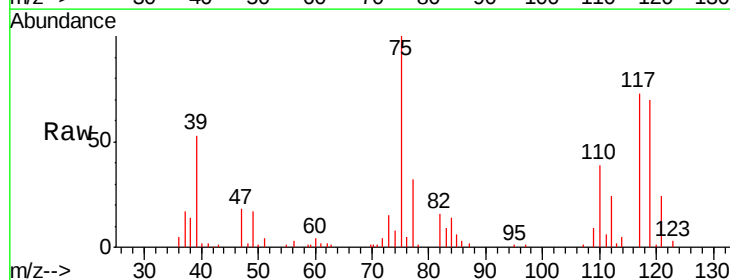
RT: 8.08 min Scan# 1013

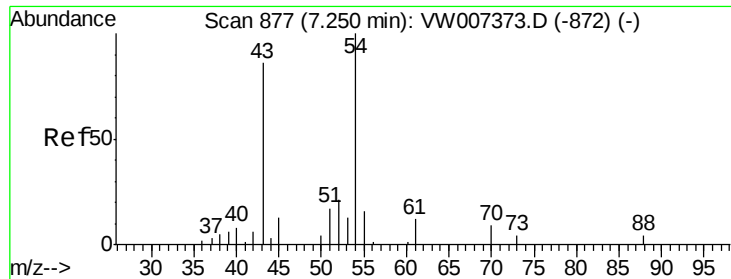
Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Tgt Ion:	75	Resp:	28244
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.5	55.5
77	31.3	25.6	38.4





#37

Ethyl Acetate

Concen: 21.389 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

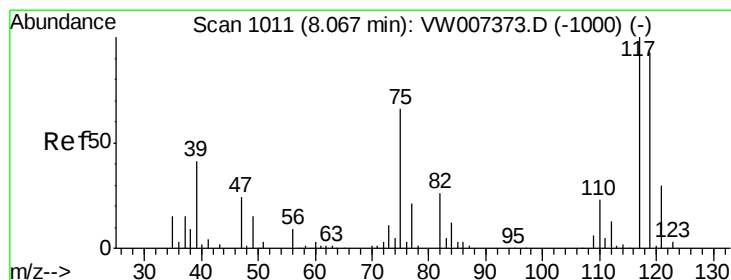
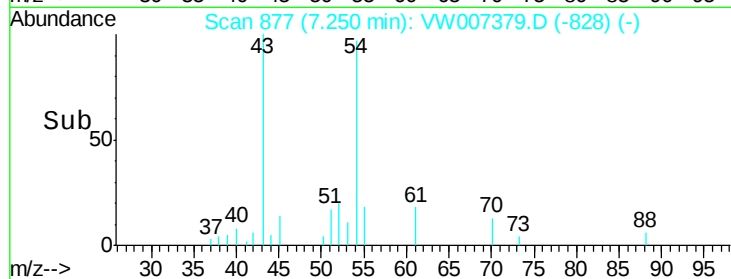
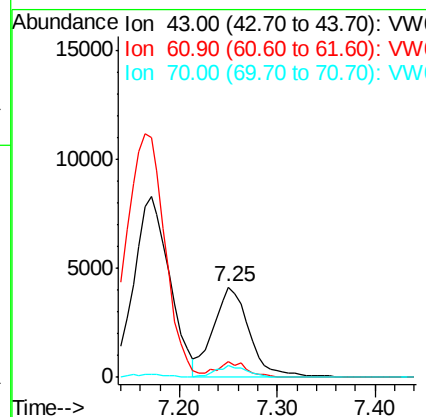
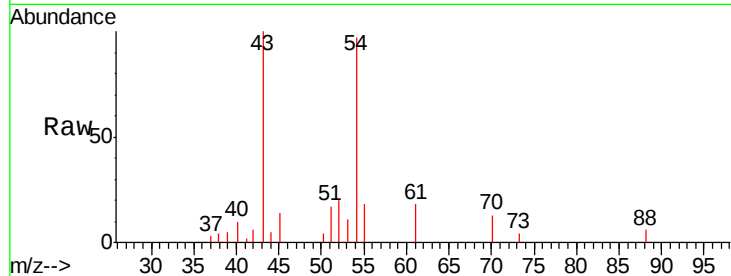
ClientSampleId :

VW1211SBS01

Tgt Ion:	43	Resp:	10678
Ion Ratio	Lower	Upper	
43	100		
61	13.7	12.1	18.1
70	10.8	10.0	15.0

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#38

Carbon Tetrachloride

Concen: 21.018 ug/l

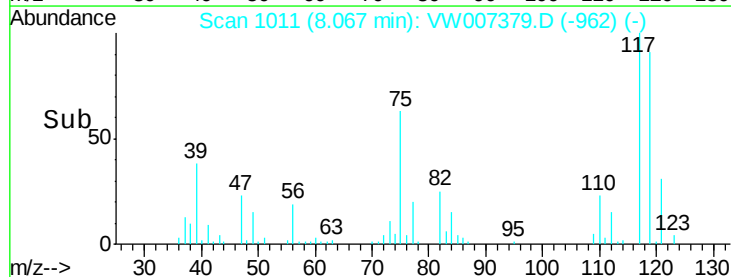
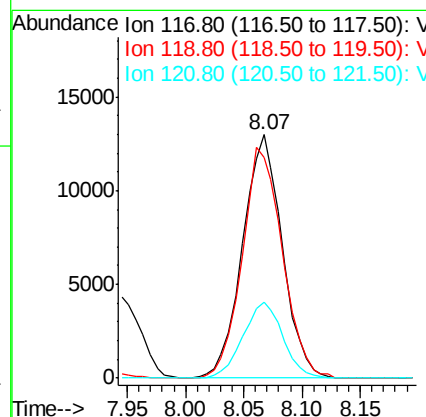
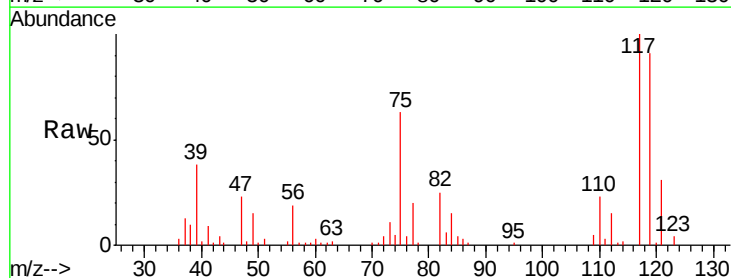
RT: 8.07 min Scan# 1011

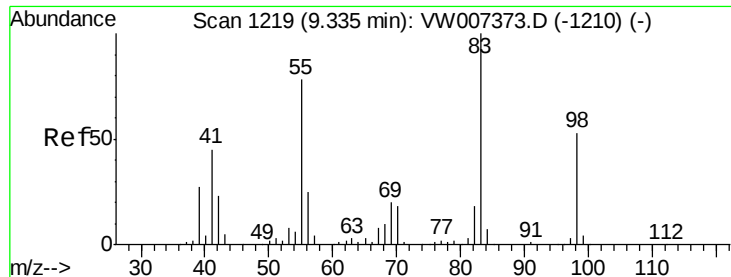
Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Tgt Ion:	117	Resp:	30695
Ion Ratio	Lower	Upper	
117	100		
119	90.8	74.3	111.5
121	31.0	24.3	36.5





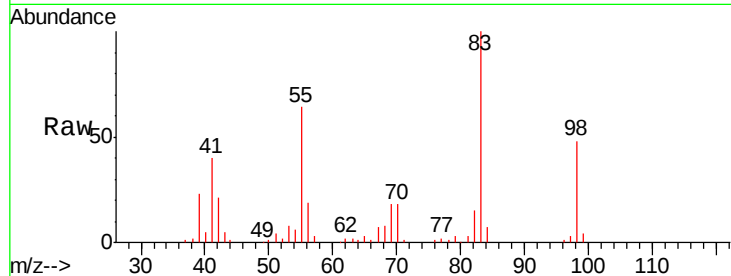
#39
Methylcyclohexane
Concen: 21.229 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

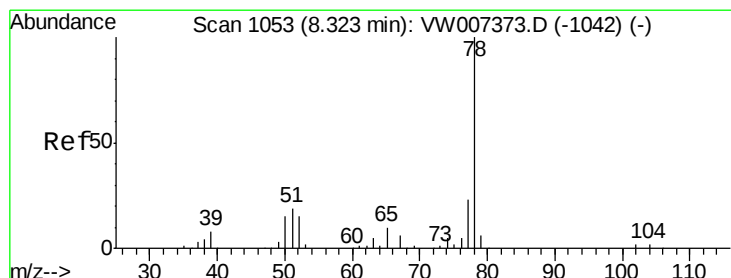
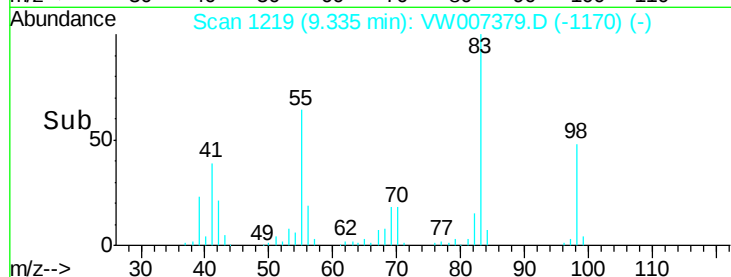
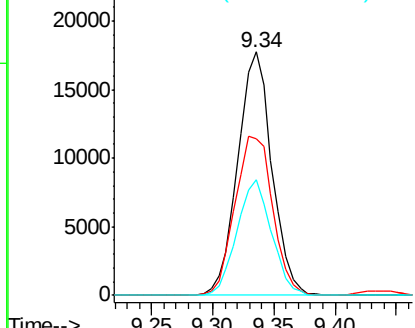
Tgt Ion	Ratio	Lower	Upper
83	100		
55	64.1	62.8	94.2
98	47.6	42.2	63.2

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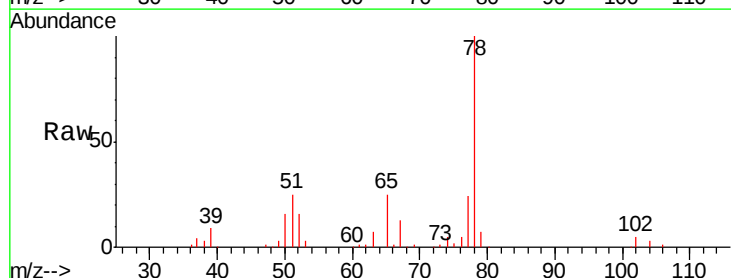


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

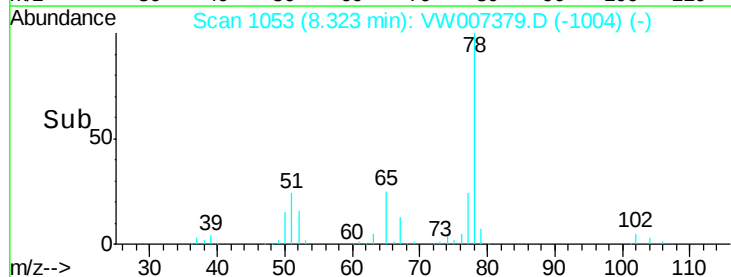
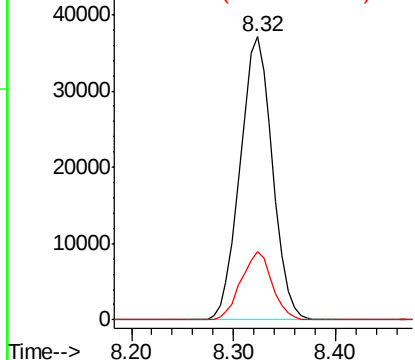


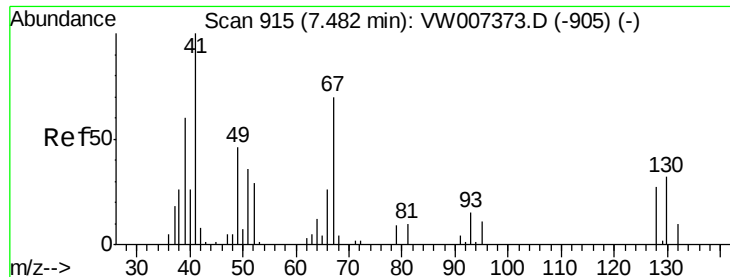
#40
Benzene
Concen: 21.888 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





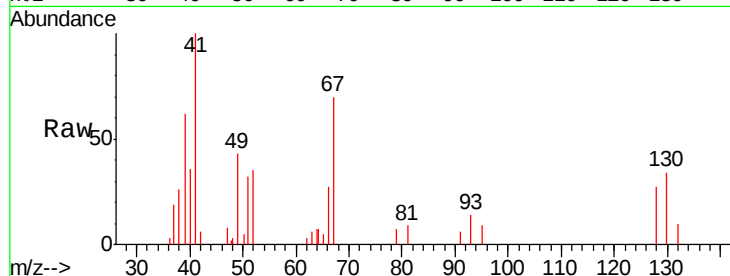
#41
Methacrylonitrile
Concen: 23.593 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampled :
VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.9	52.2	78.2#
67	72.2	60.5	90.7
52	30.3	25.3	37.9

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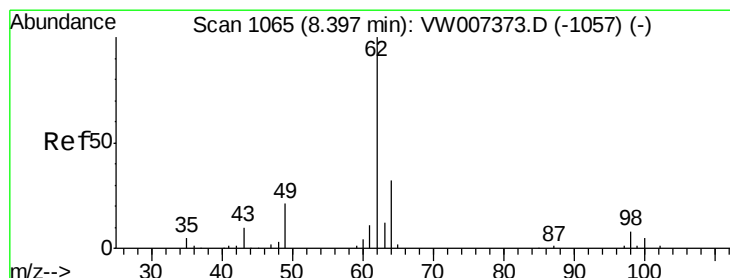
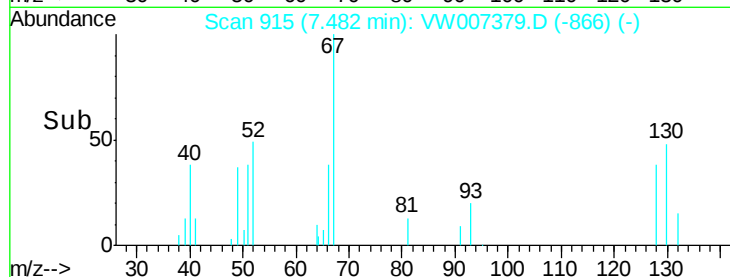
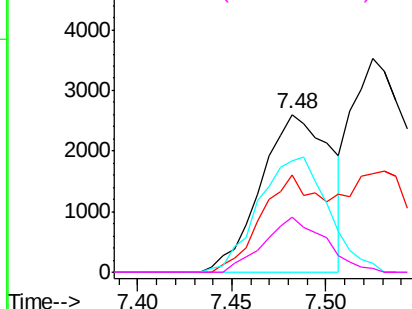
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

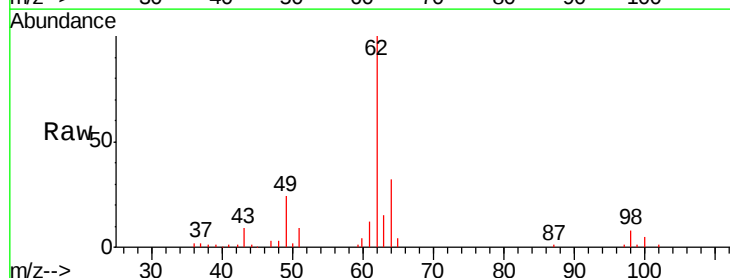
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 21.297 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

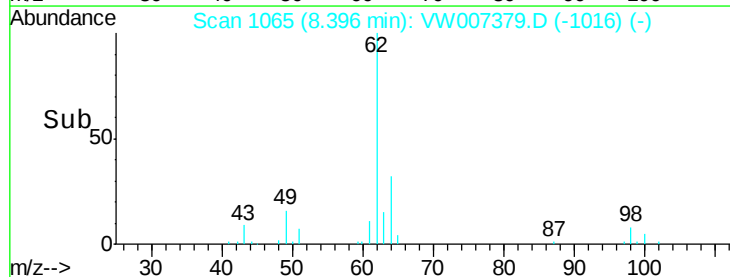
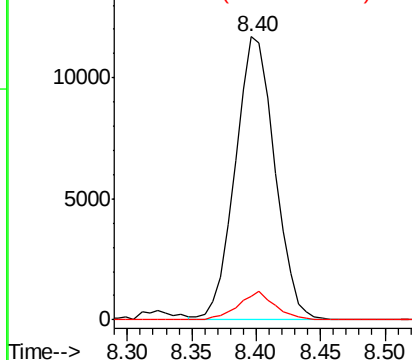
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.6

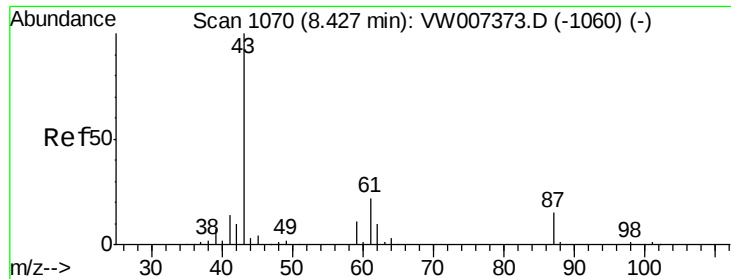


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.449 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

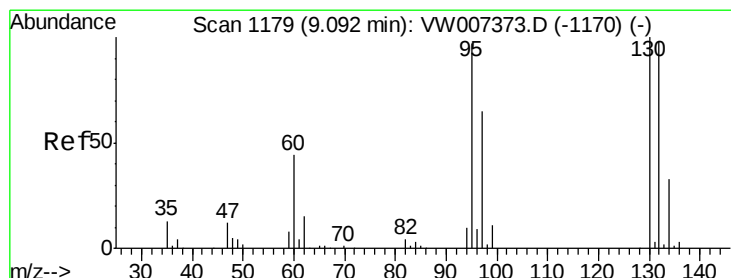
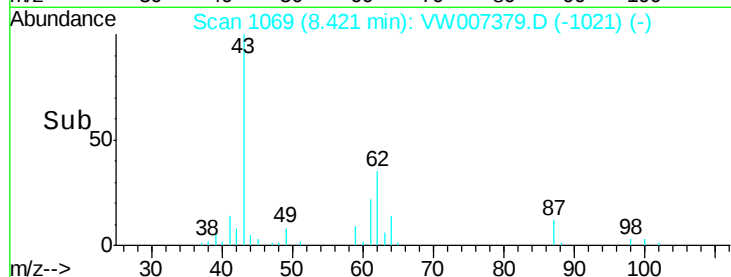
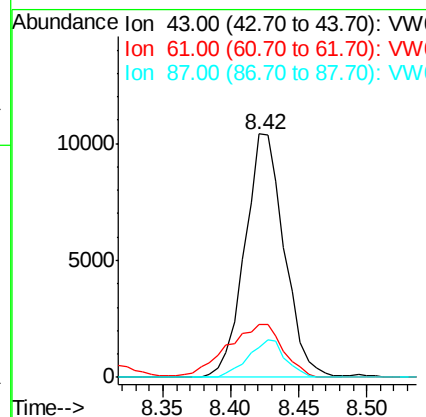
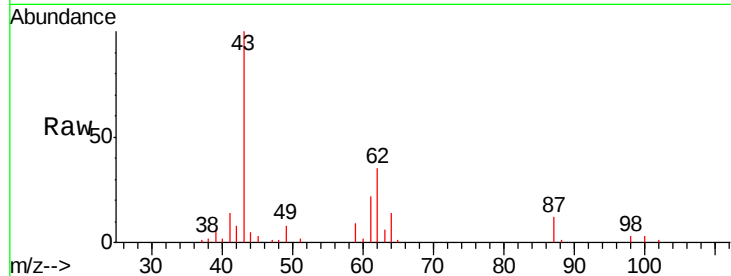
ClientSampleId :

VW1211SBS01

Tgt Ion:	43	Resp:	21151
Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.3	37.9
87	14.5	11.8	17.8

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#44

Trichloroethene

Concen: 22.128 ug/l

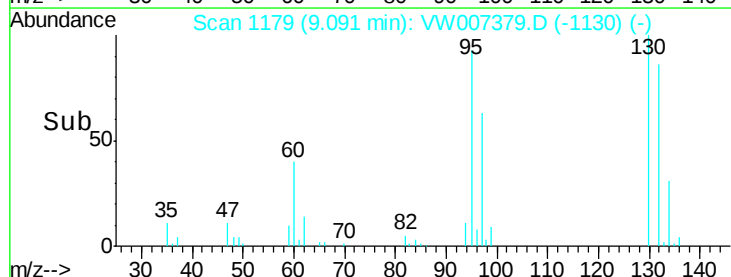
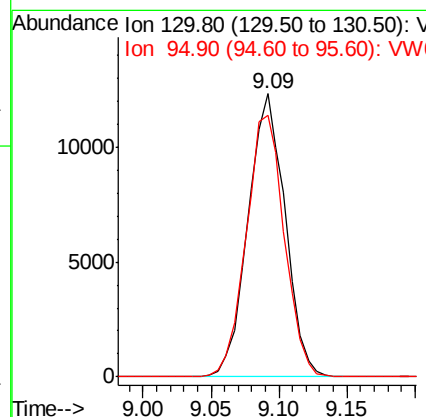
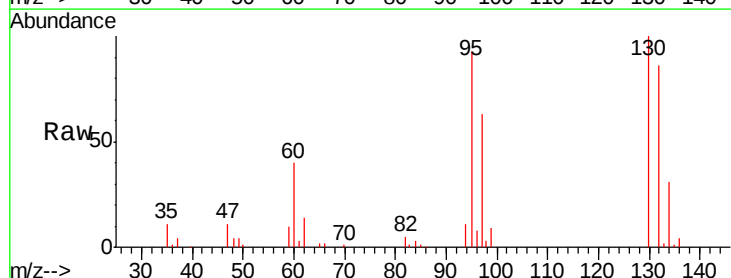
RT: 9.09 min Scan# 1179

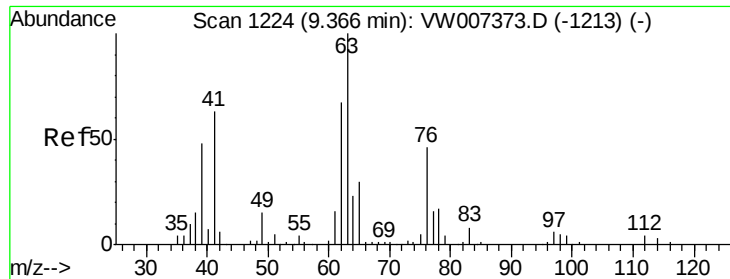
Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Tgt Ion:	130	Resp:	23537
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	193.2





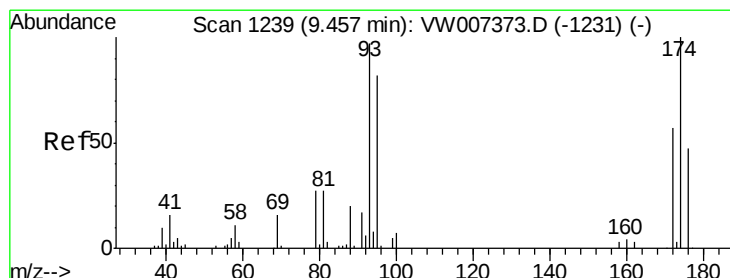
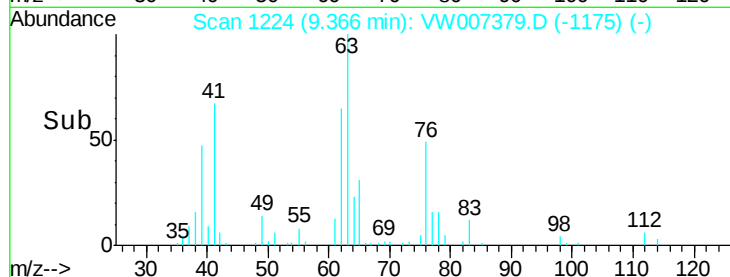
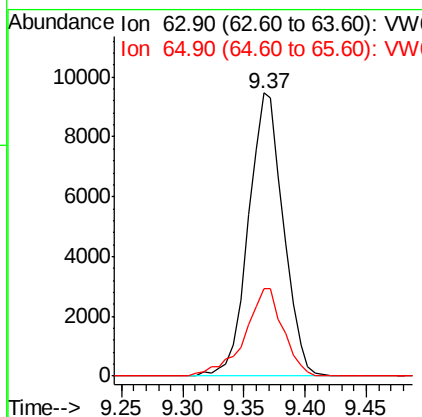
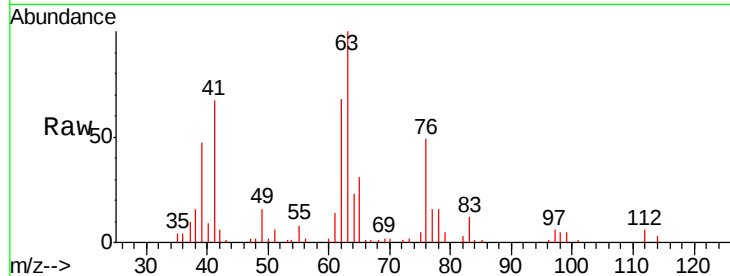
#45
 1,2-Dichloropropane
 Concen: 21.807 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Tgt Ion: 63 Resp: 18797
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.4 36.6

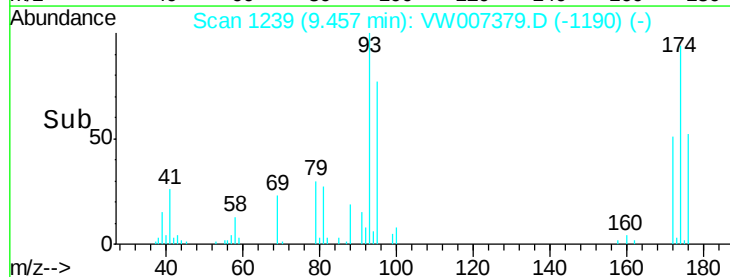
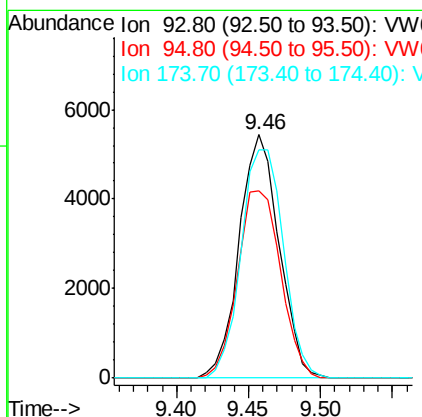
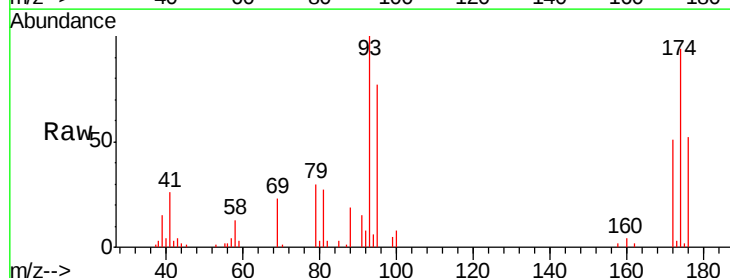
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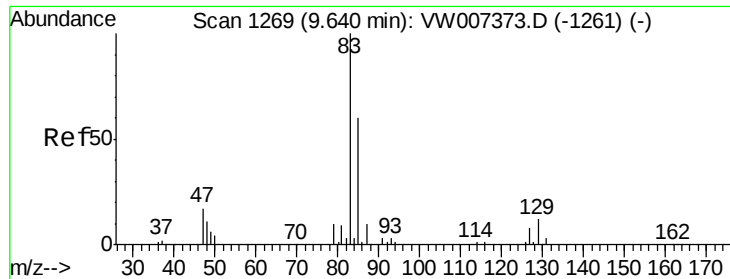
sam
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#46
 Dibromomethane
 Concen: 21.364 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Tgt Ion: 93 Resp: 10458
 Ion Ratio Lower Upper
 93 100
 95 83.1 68.0 102.0
 174 99.5 83.2 124.8





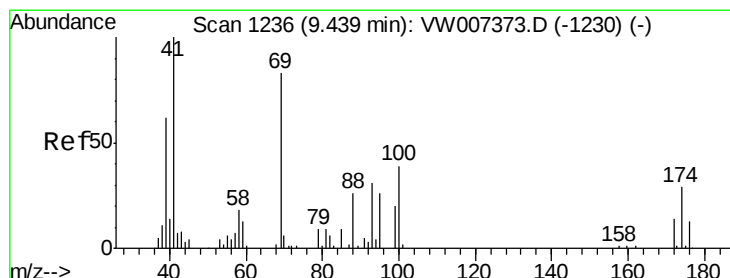
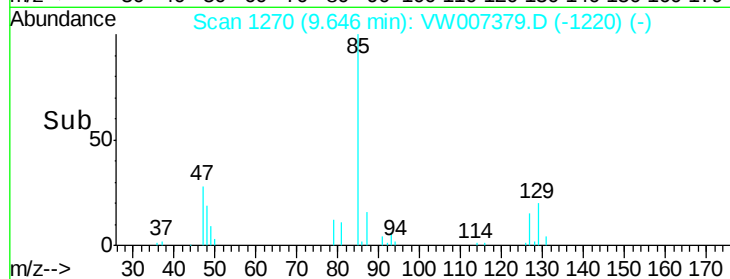
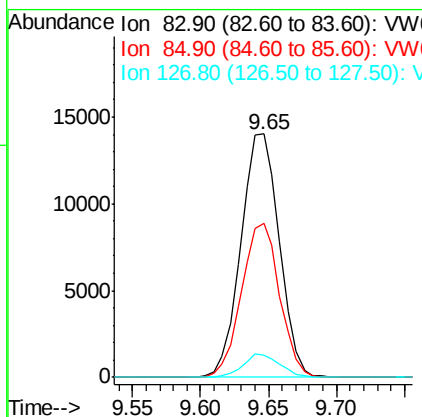
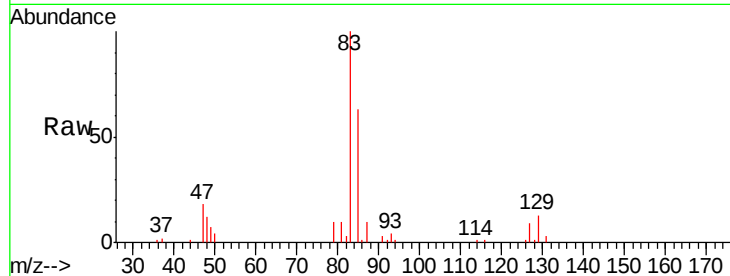
#47
Bromodichloromethane
Concen: 21.533 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	27648		
85	63.1	47.6	71.4	
127	9.3	6.7	10.1	

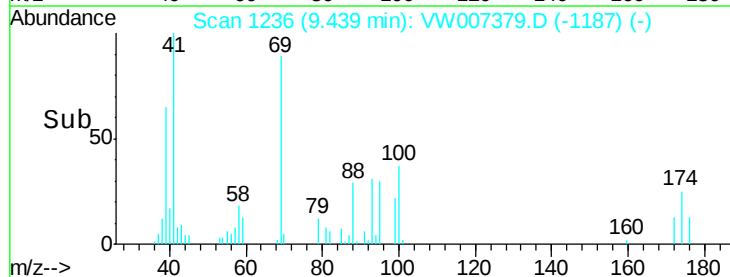
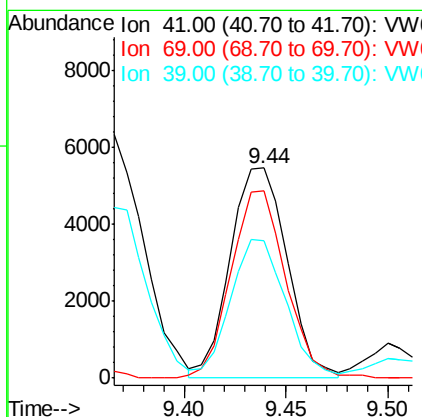
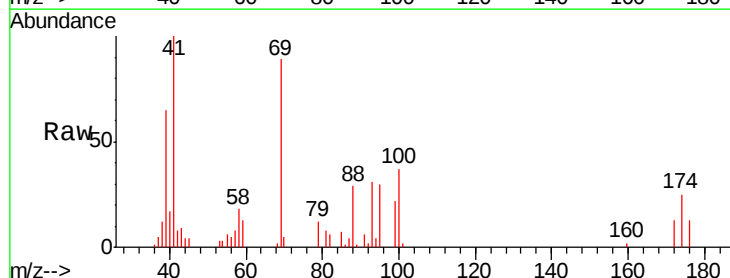
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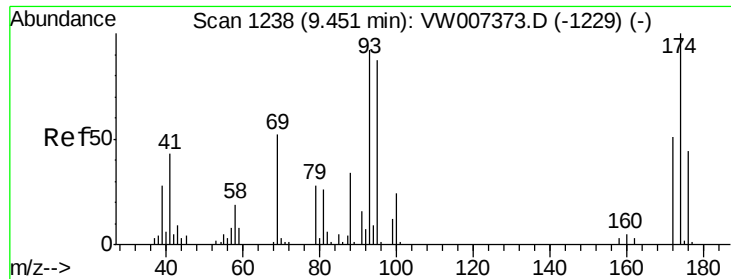
sam
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#48
Methyl methacrylate
Concen: 20.999 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	10635		
69	86.0	69.8	104.8	
39	60.3	50.9	76.3	





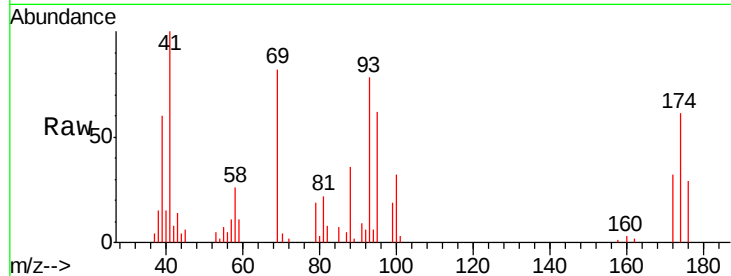
#49
1,4-Dioxane
Concen: 429.958 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

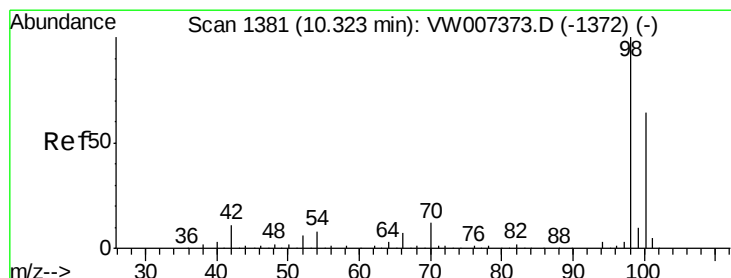
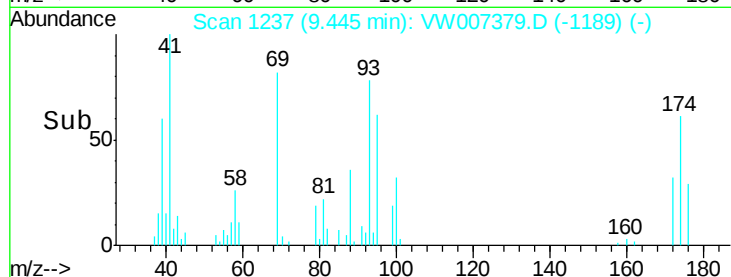
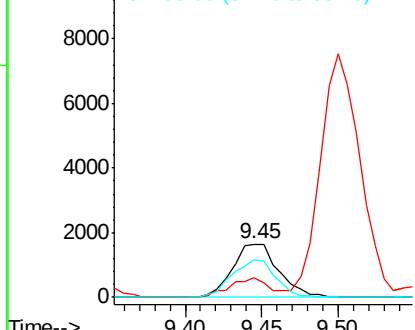
Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.0	37.4
58	67.0	51.4	77.2

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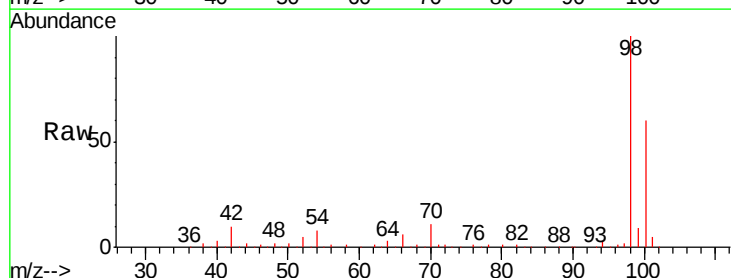


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

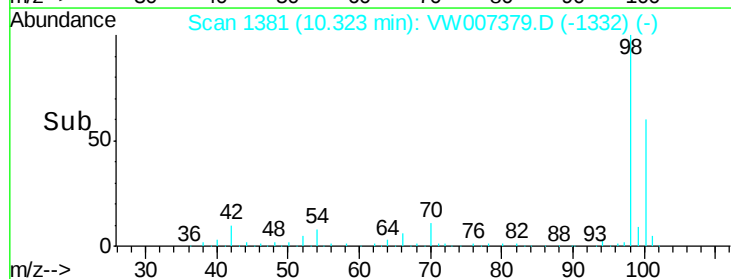
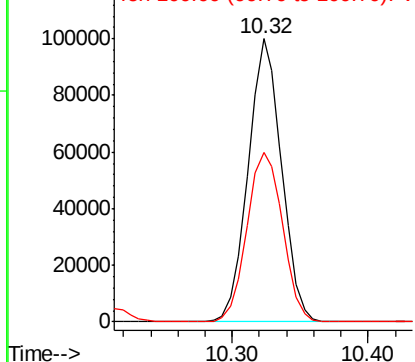


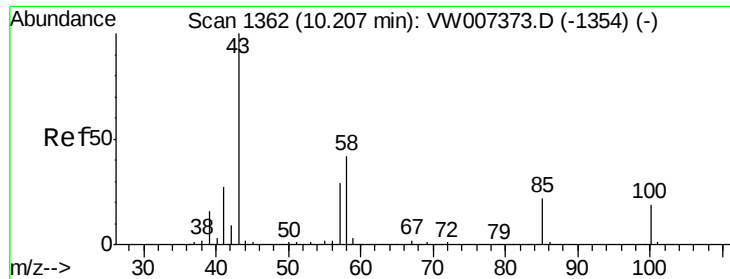
#50
Toluene-d8
Concen: 51.521 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.8



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: 102.917 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

ClientSampleId :

VW1211SBS01

Tgt Ion: 43 Resp: 47953

Ion Ratio Lower Upper

43 100

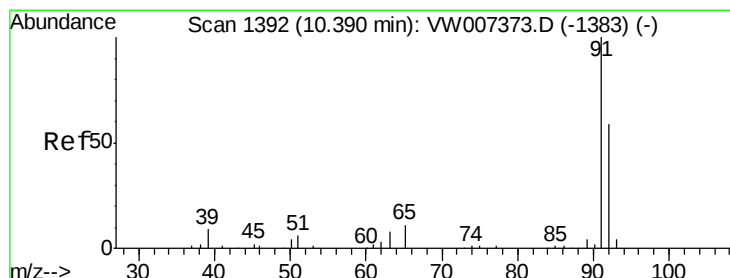
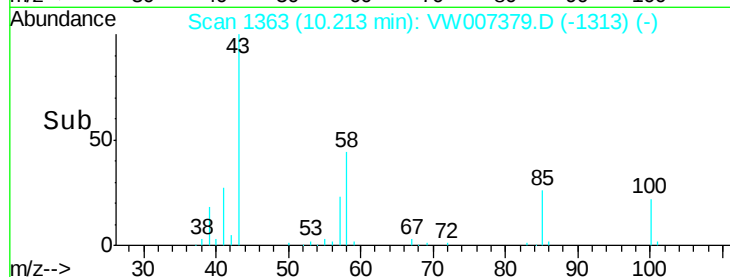
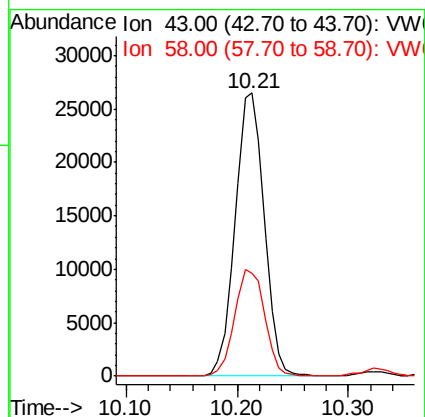
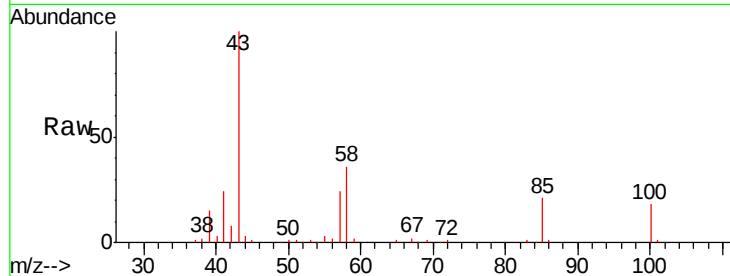
58 38.9 33.1 49.7

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#52

Toluene

Concen: 21.148 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007379.D

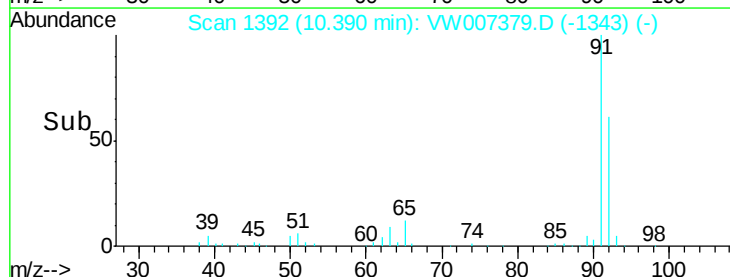
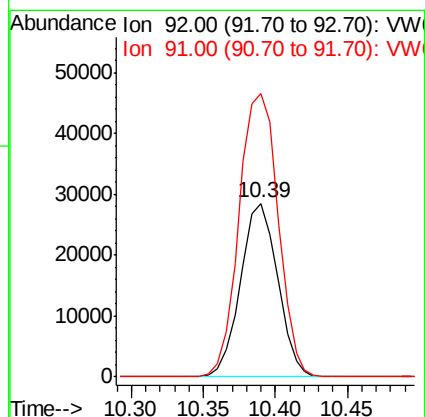
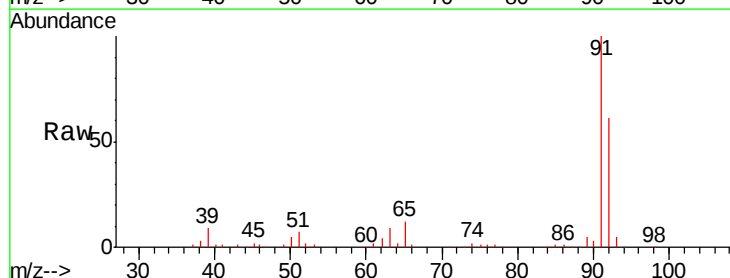
Acq: 11 Dec 2018 03:33

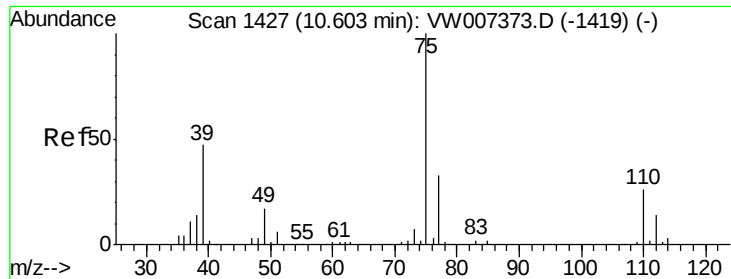
Tgt Ion: 92 Resp: 50979

Ion Ratio Lower Upper

92 100

91 172.1 136.2 204.2





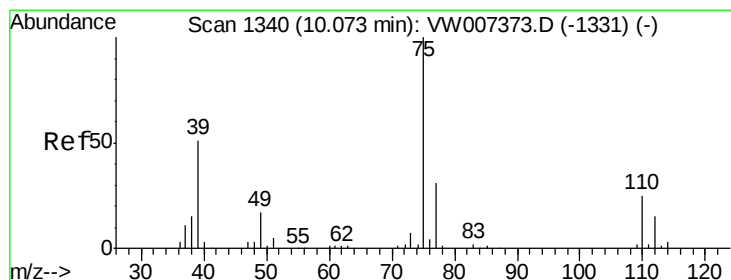
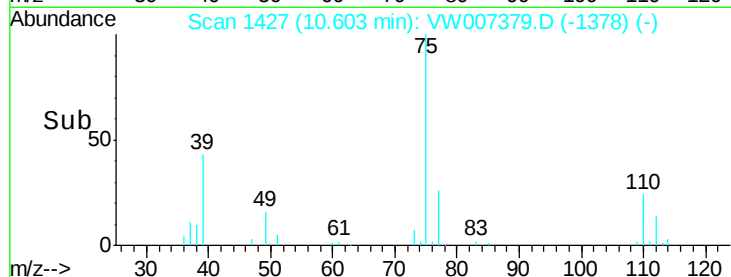
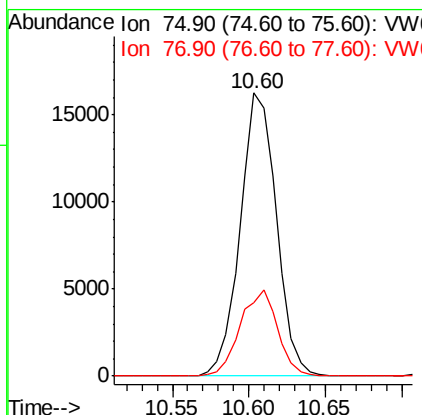
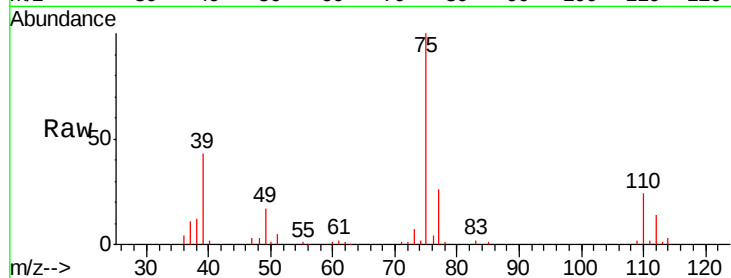
#53
 t-1,3-Dichloropropene
 Concen: 21.460 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Tgt Ion: 75 Resp: 26751
 Ion Ratio Lower Upper
 75 100
 77 25.9 26.2 39.4#

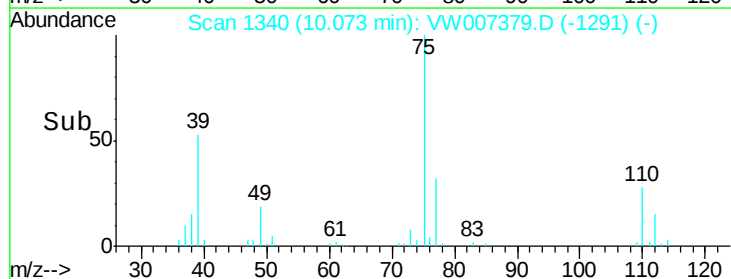
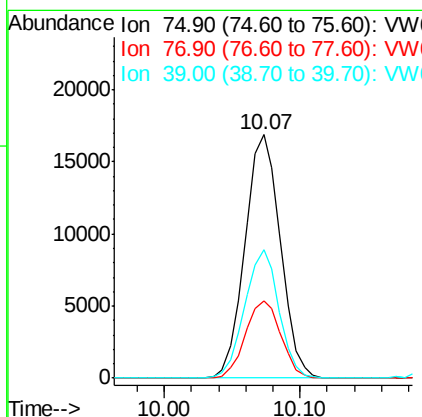
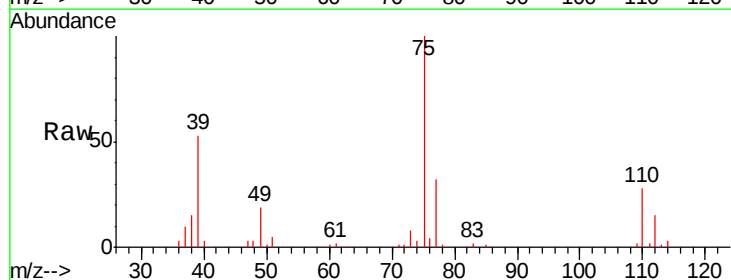
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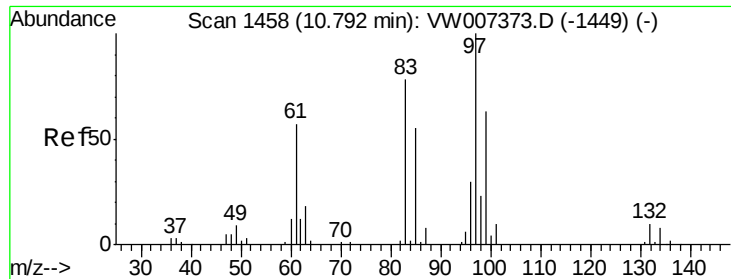
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 21.372 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Tgt Ion: 75 Resp: 30797
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.8 37.2
 39 52.6 40.9 61.3





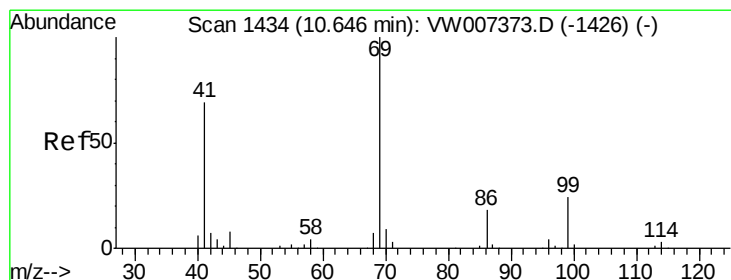
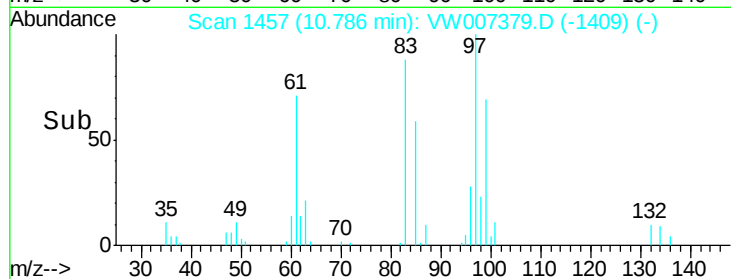
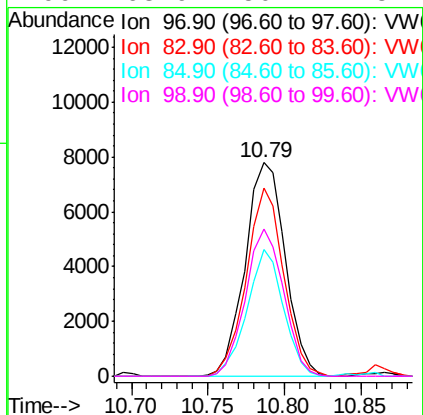
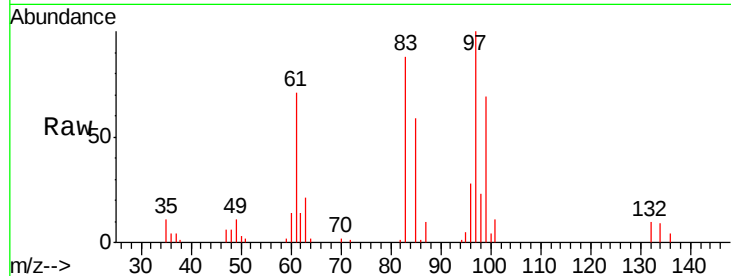
#55
1,1,2-Trichloroethane
Concen: 21.320 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.0	62.1	93.1
85	59.2	44.2	66.4
99	68.9	50.2	75.4

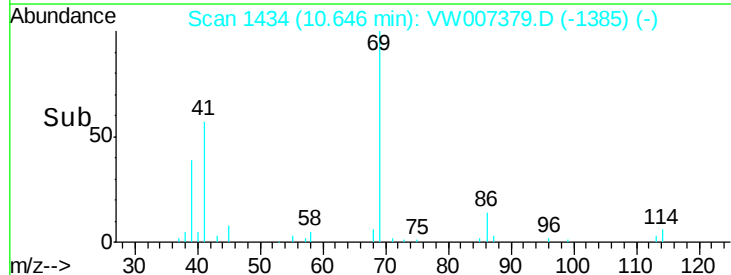
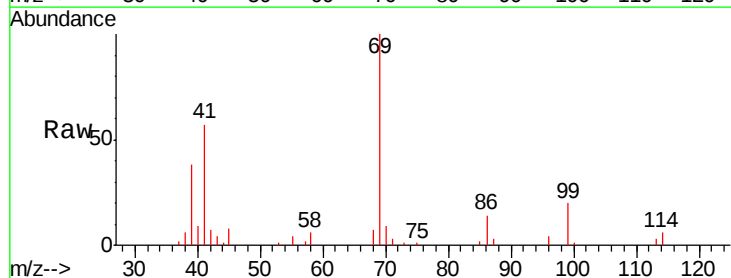
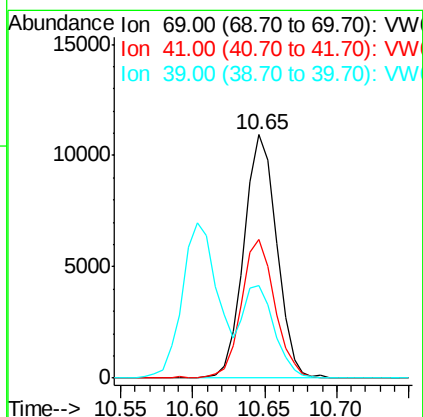
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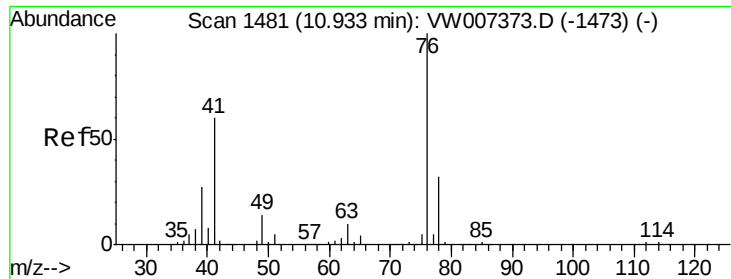
sam
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#56
Ethyl methacrylate
Concen: 21.513 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.1	51.0	76.6
39	37.1	30.8	46.2





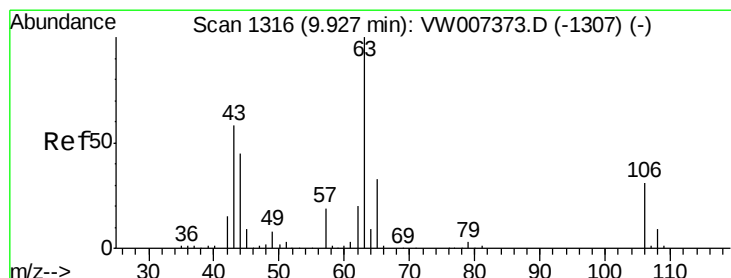
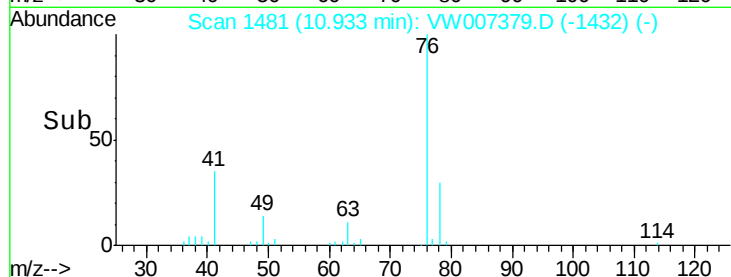
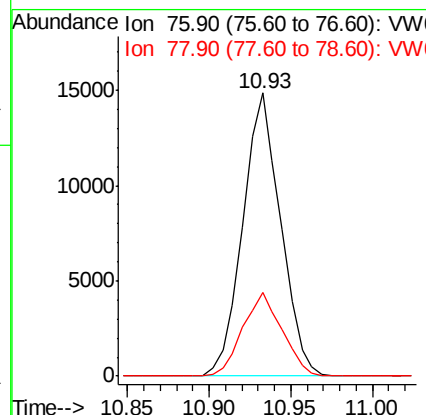
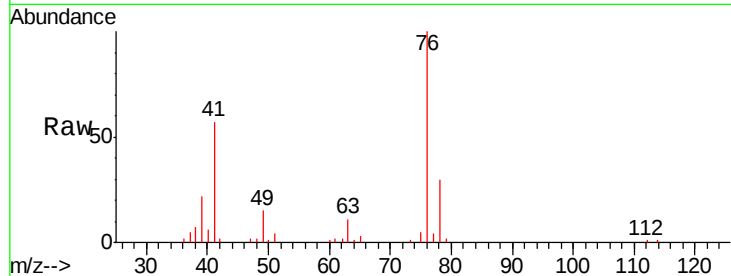
#57
 1,3-Dichloropropane
 Concen: 21.949 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Tgt Ion: 76 Resp: 24001
 Ion Ratio Lower Upper
 76 100
 78 30.8 26.2 39.4

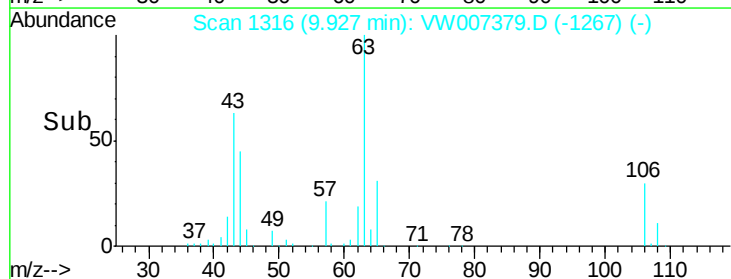
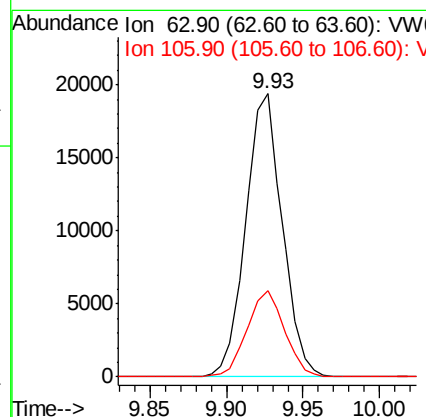
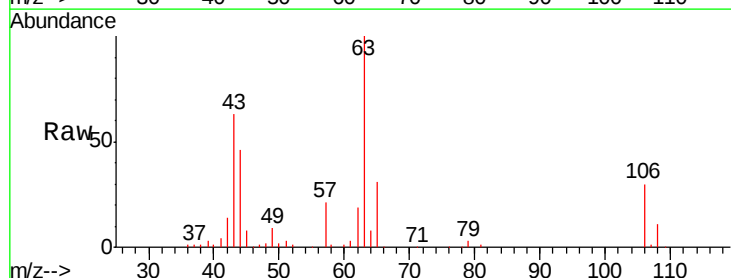
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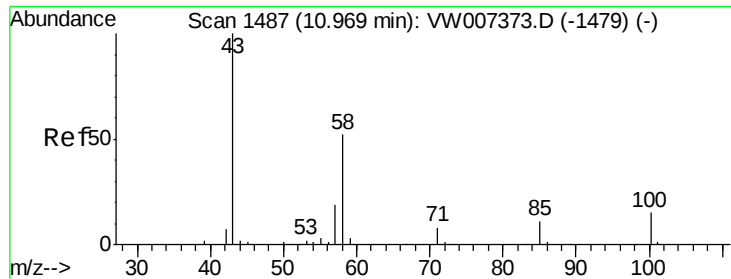
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 87.111 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Tgt Ion: 63 Resp: 32168
 Ion Ratio Lower Upper
 63 100
 106 31.2 25.0 37.6





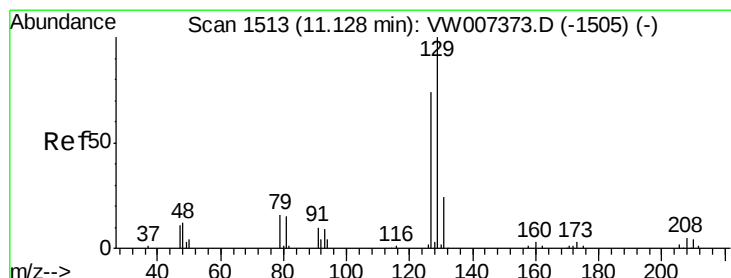
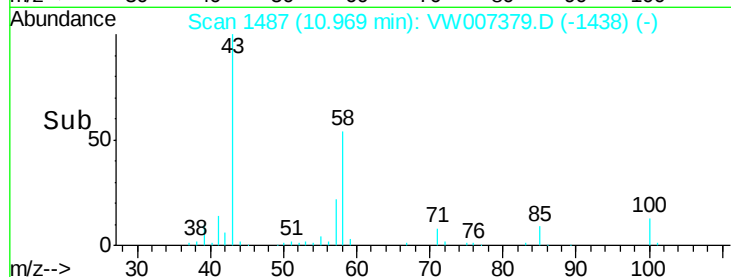
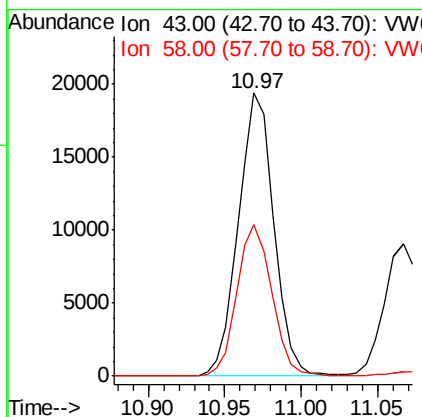
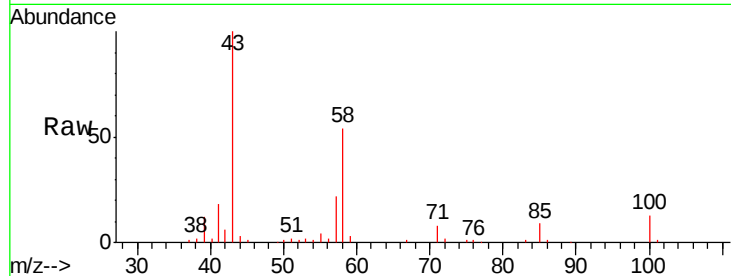
#59
2-Hexanone
Concen: 100.512 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion: 43 Resp: 31228
Ion Ratio Lower Upper
43 100
58 52.7 27.1 81.3

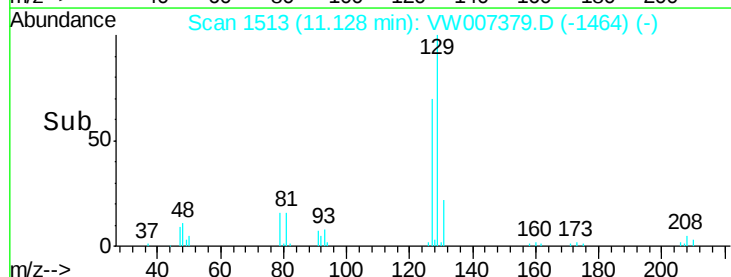
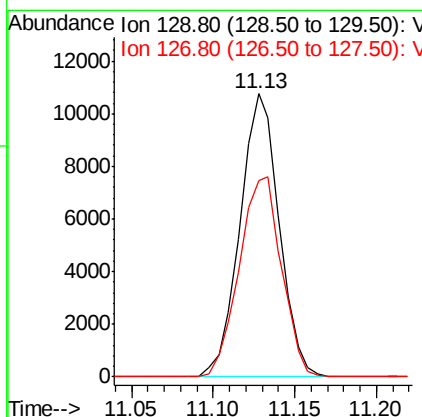
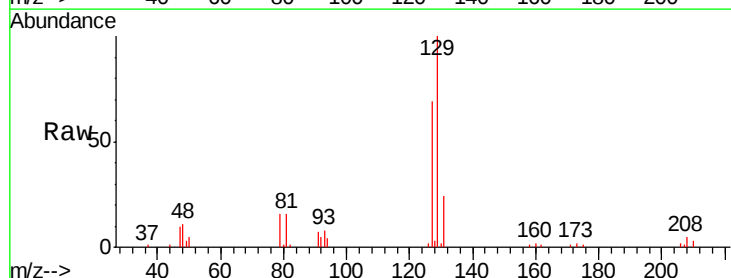
Manual Integrations
APPROVED

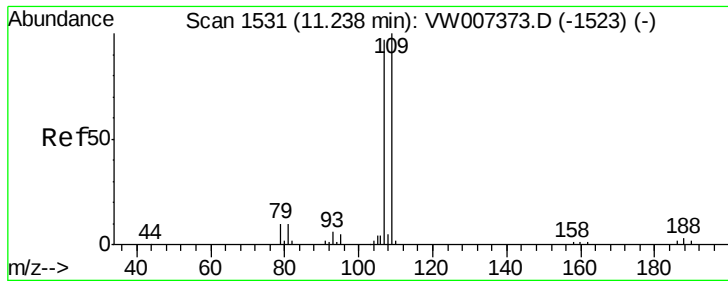
sam
12/27/2018 8:19:39 AM



#60
Dibromochloromethane
Concen: 21.367 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion: 129 Resp: 17965
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.526 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

ClientSampleId :

VW1211SBS01

Tgt Ion: 107 Resp: 13514

Ion Ratio Lower Upper

107 100

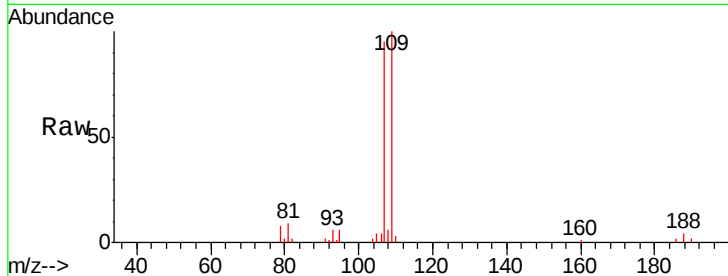
109 97.8 79.1 118.7

Manual Integrations

APPROVED

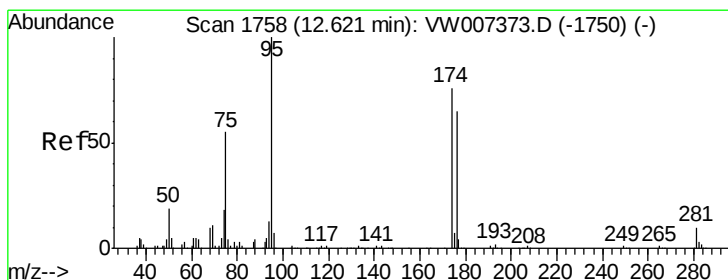
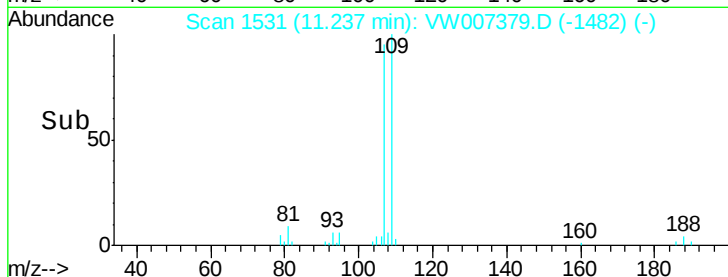
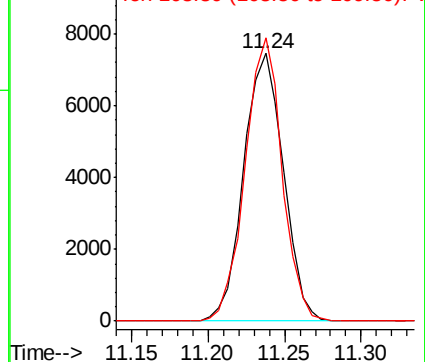
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.085 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

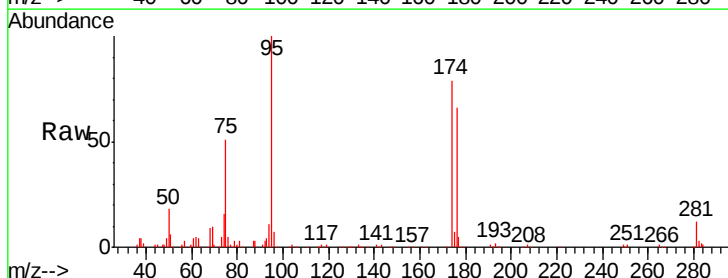
Tgt Ion: 95 Resp: 62725

Ion Ratio Lower Upper

95 100

174 78.1 0.0 147.2

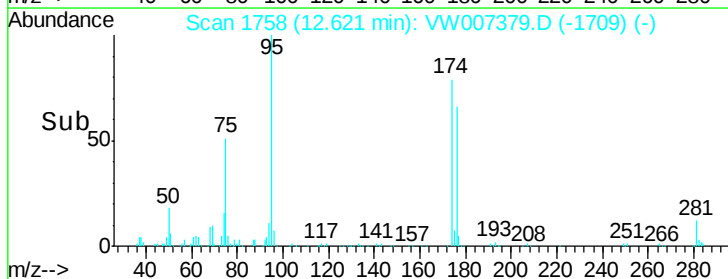
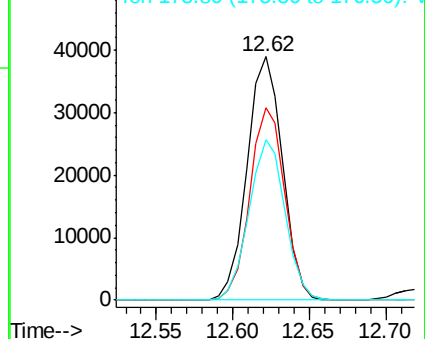
176 67.3 0.0 138.8

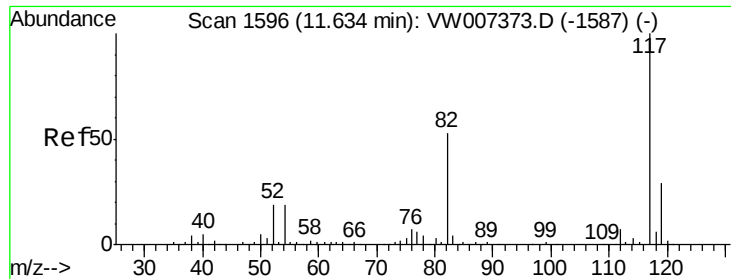


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





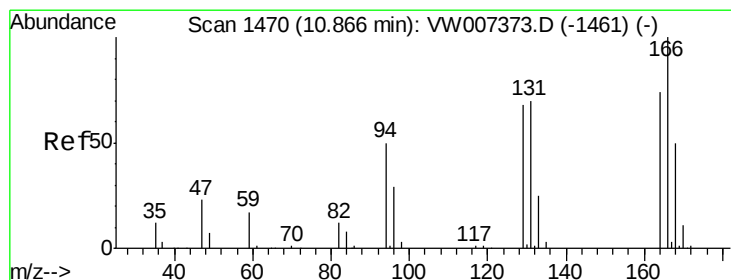
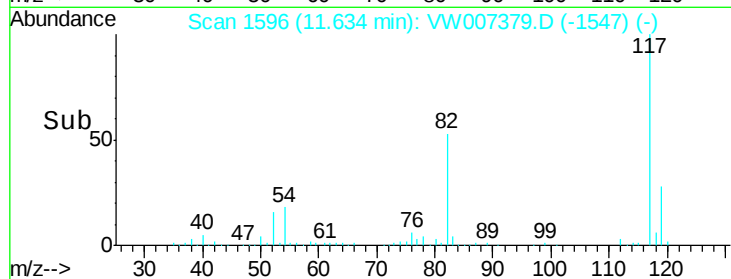
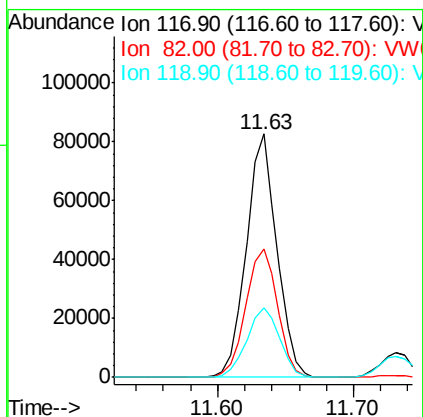
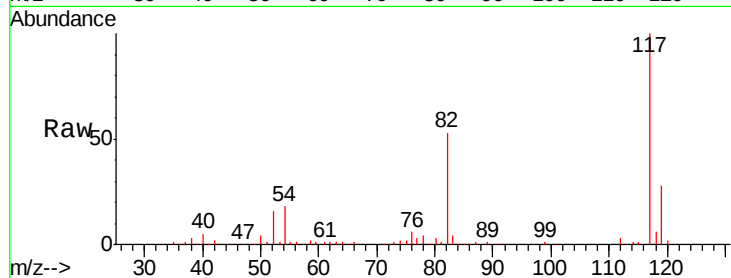
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.3	63.5
119	28.4	23.0	34.6

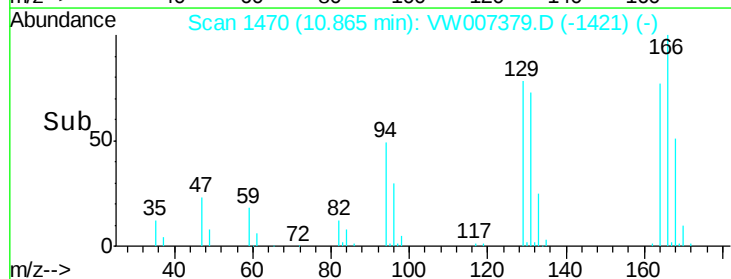
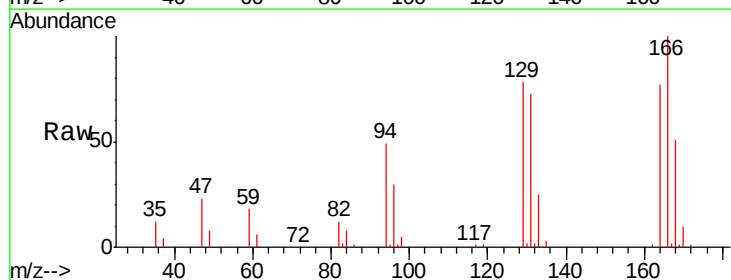
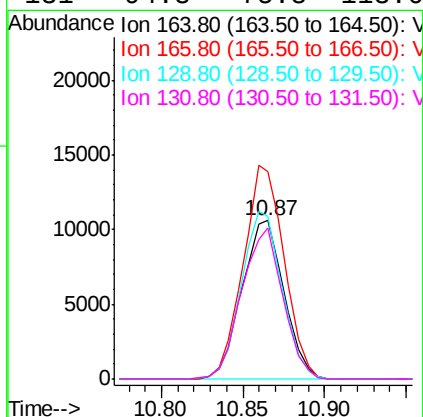
Manual Integrations
APPROVED

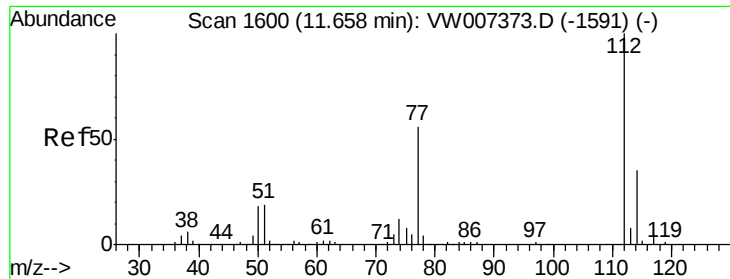
sam
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#64
Tetrachloroethene
Concen: 20.333 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	107.9	161.9
129	102.2	73.4	110.2
131	94.8	75.8	113.6





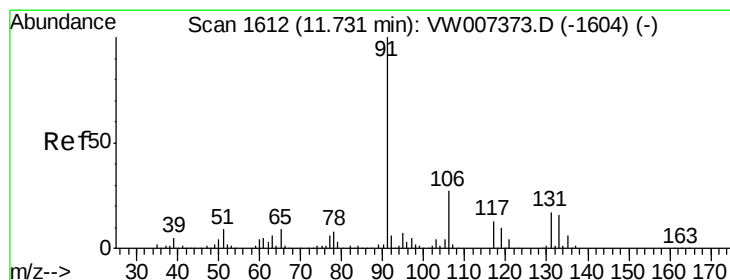
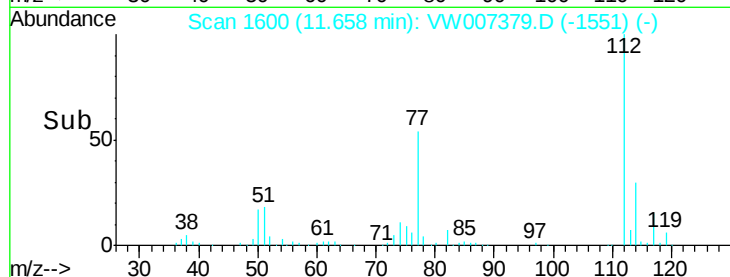
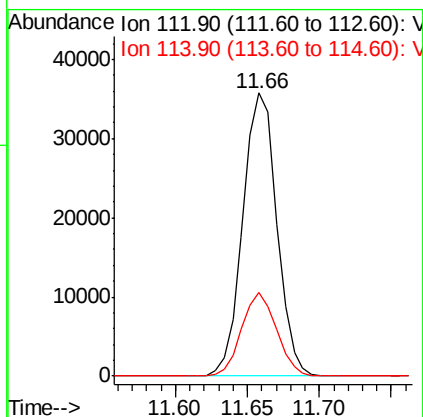
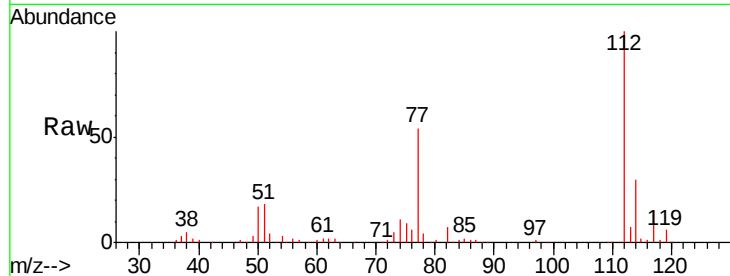
#65
Chlorobenzene
Concen: 21.648 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion:112 Resp: 58543
Ion Ratio Lower Upper
112 100
114 29.7 27.8 41.8

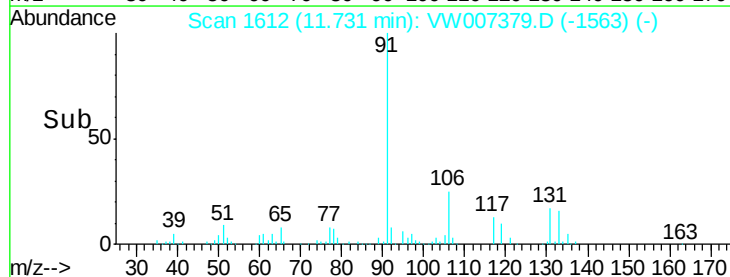
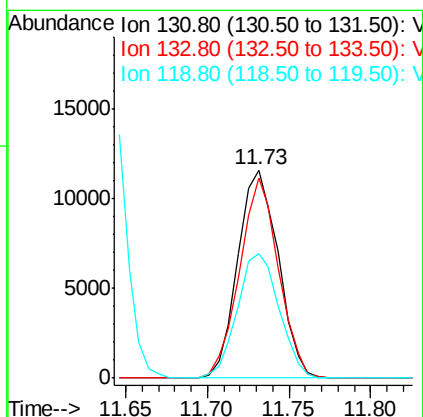
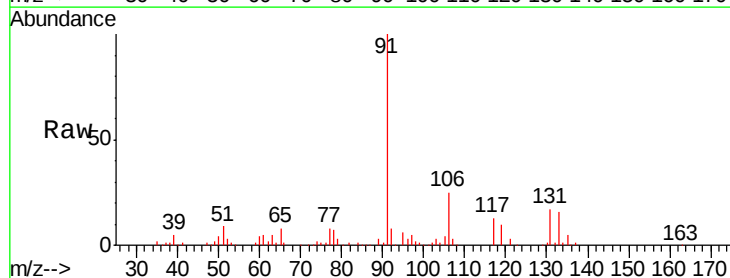
Manual Integrations
APPROVED

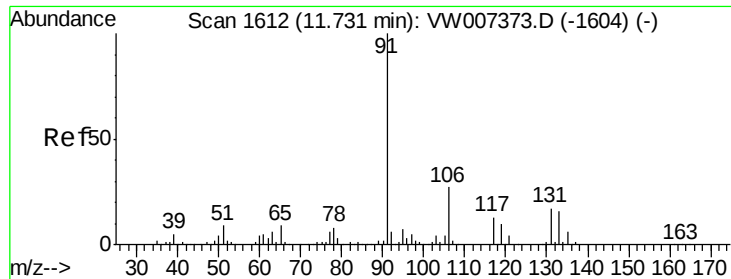
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.999 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion:131 Resp: 20000
Ion Ratio Lower Upper
131 100
133 92.8 47.1 141.4
119 62.2 31.3 93.9





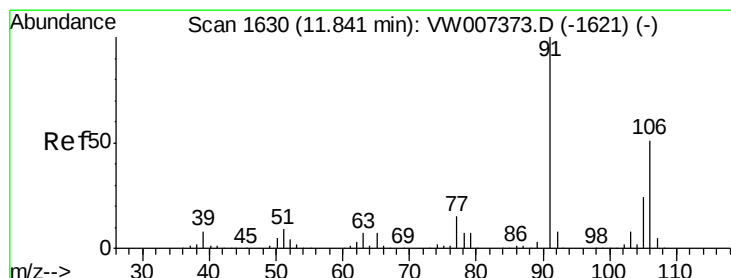
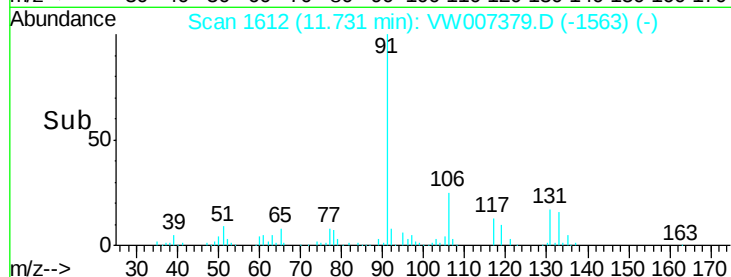
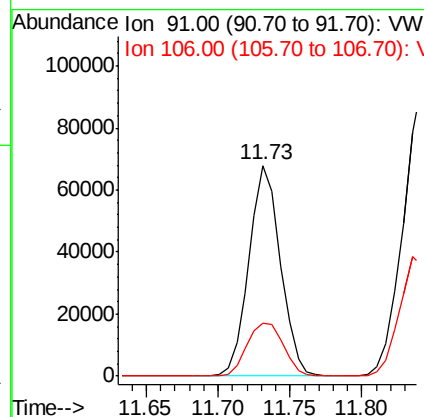
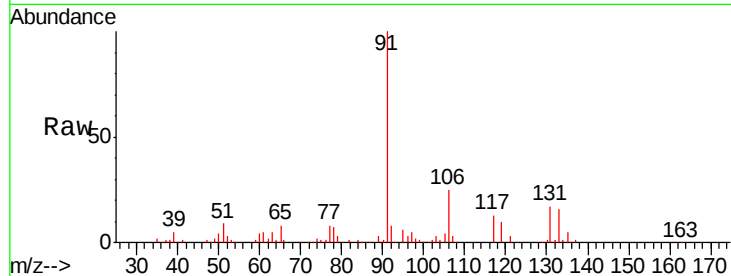
#67
Ethyl Benzene
Concen: 22.035 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion: 91 Resp: 102448
Ion Ratio Lower Upper
91 100
106 25.4 21.8 32.8

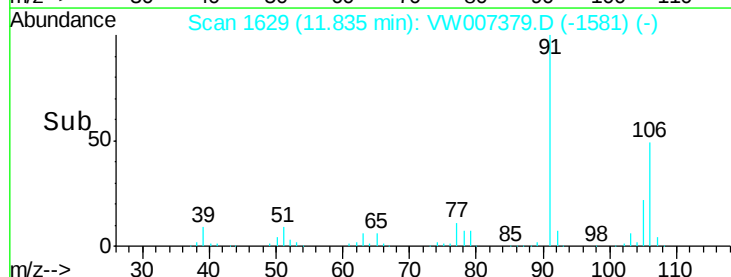
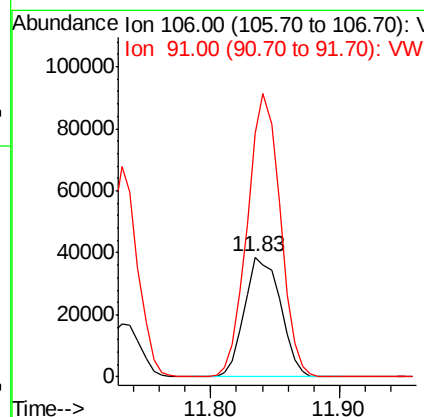
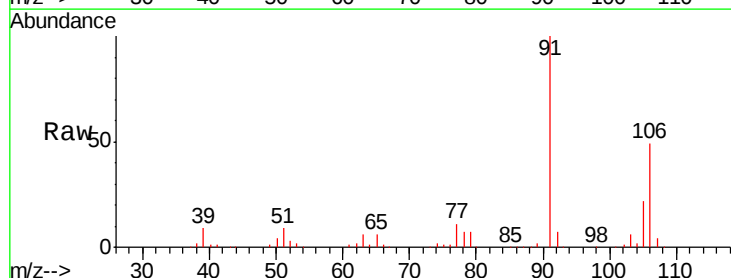
Manual Integrations
APPROVED

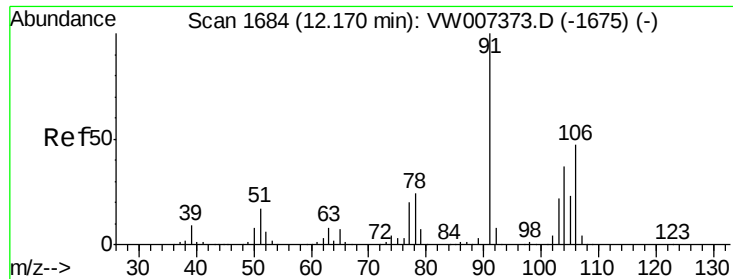
sam
12/27/2018 8:19:39 AM



#68
m/p-Xylenes
Concen: 41.489 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion: 106 Resp: 74991
Ion Ratio Lower Upper
106 100
91 215.2 165.3 247.9





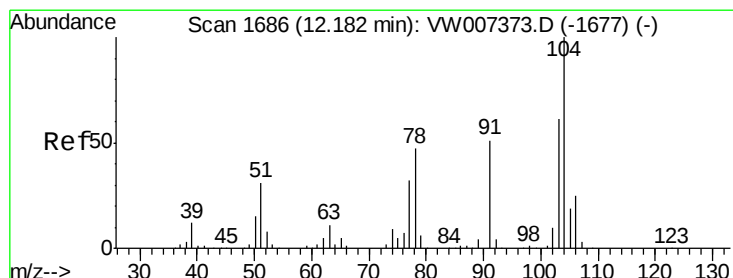
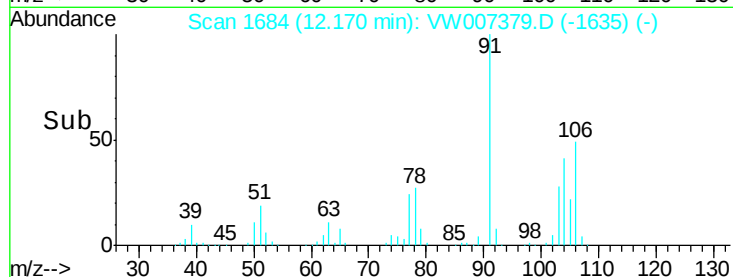
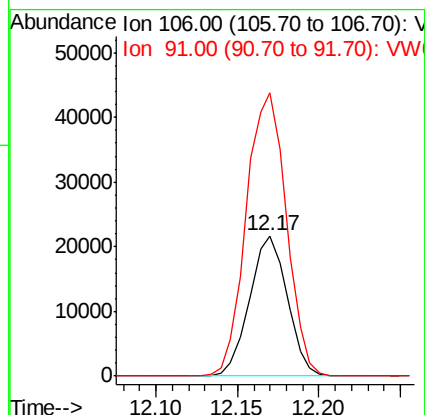
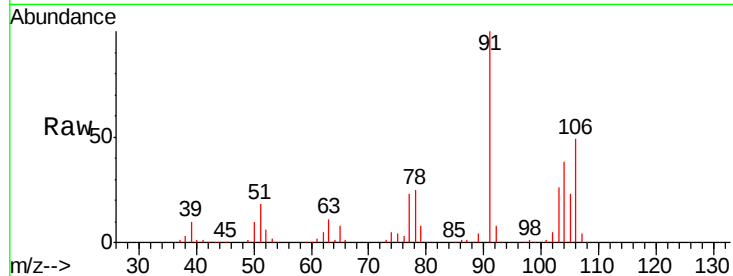
#69
o-Xylene
Concen: 20.690 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion:106 Resp: 34926
Ion Ratio Lower Upper
106 100
91 214.4 106.6 319.8

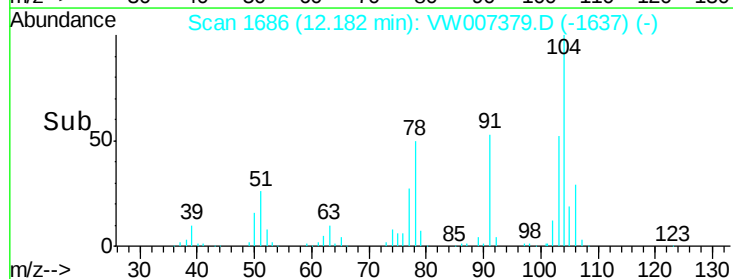
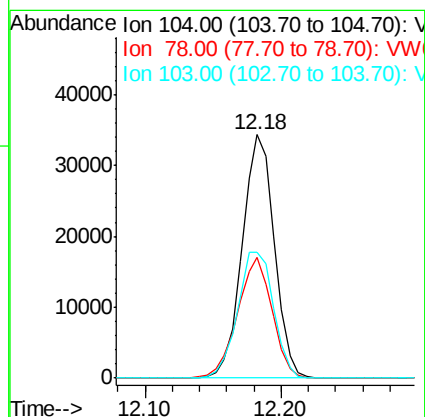
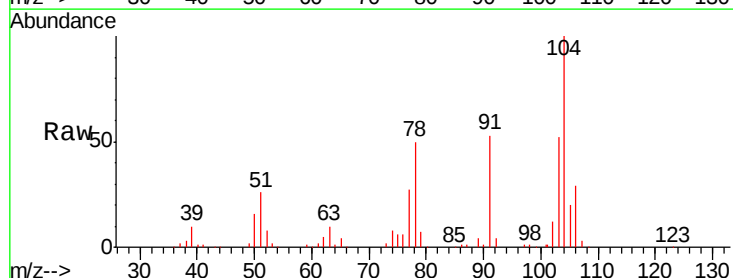
Manual Integrations
APPROVED

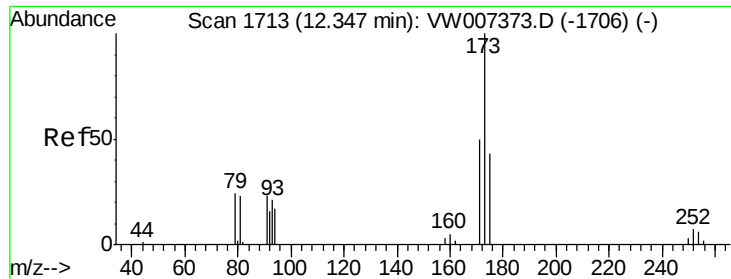
sam
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#70
Styrene
Concen: 20.751 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion:104 Resp: 56580
Ion Ratio Lower Upper
104 100
78 53.1 41.8 62.8
103 58.2 46.6 69.8





#71

Bromoform

Concen: 19.217 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

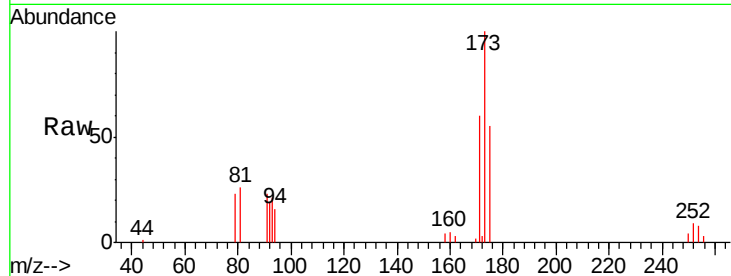
ClientSampleId :

VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.5	23.6	70.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

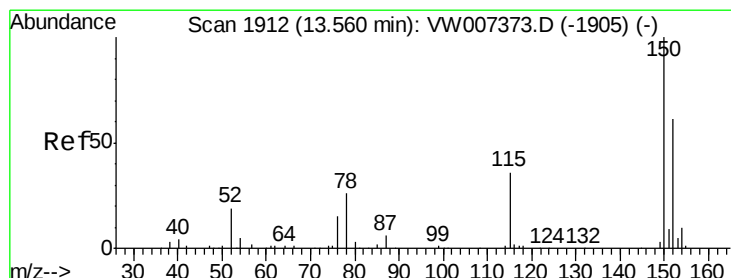
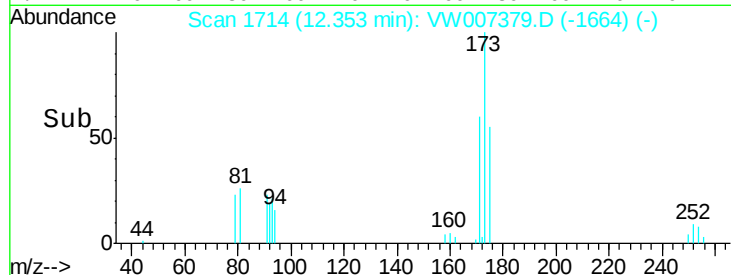
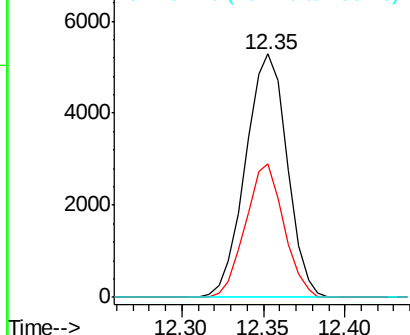
sam
12/27/2018 8:19:39 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

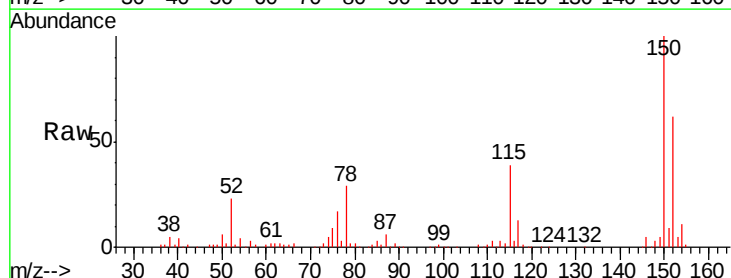
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

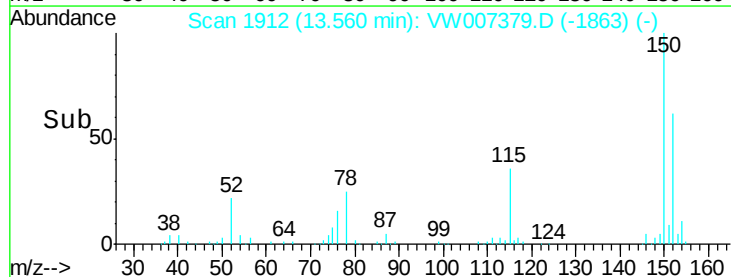
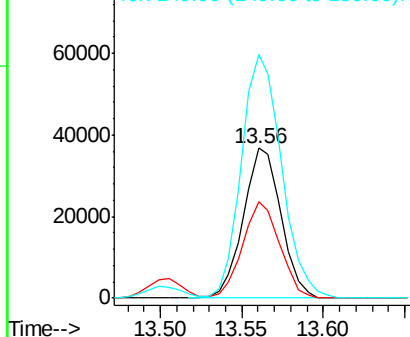
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.4	94.2
150	173.2	0.0	358.4

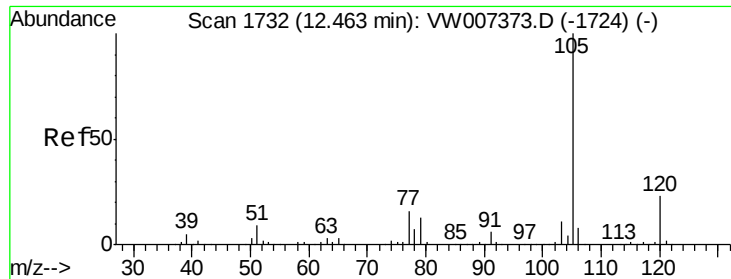


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.875 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

ClientSampleId :

VW1211SBS01

Tgt Ion: 105 Resp: 103357

Ion Ratio Lower Upper

105 100

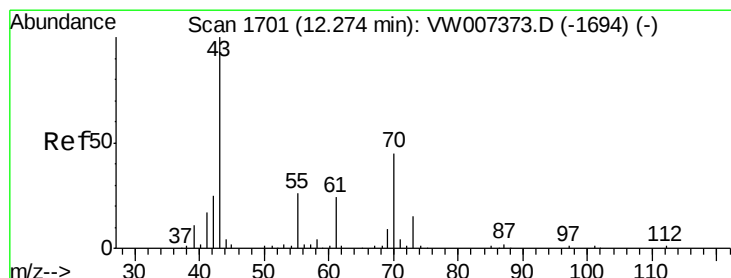
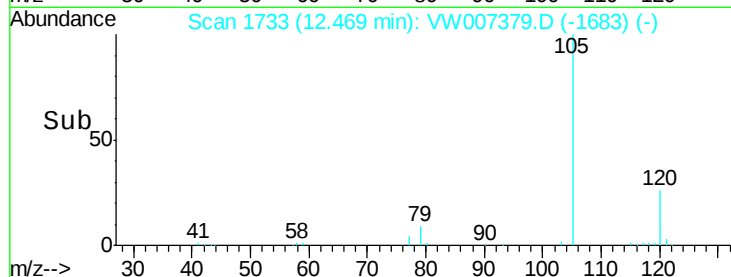
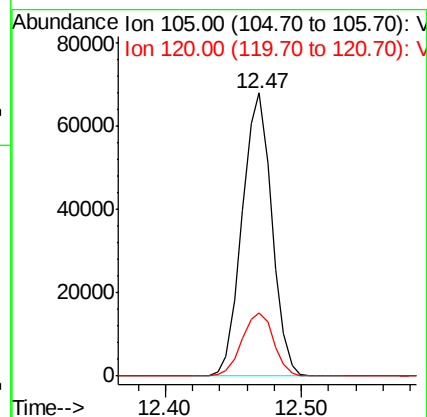
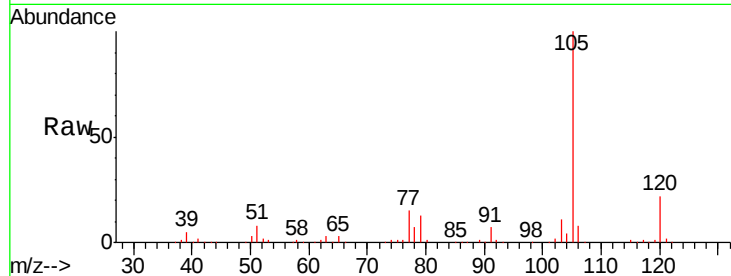
120 24.0 12.8 38.4

Manual Integrations

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sam

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#74

N-ethyl acetate

Concen: 20.544 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Tgt Ion: 43 Resp: 16870

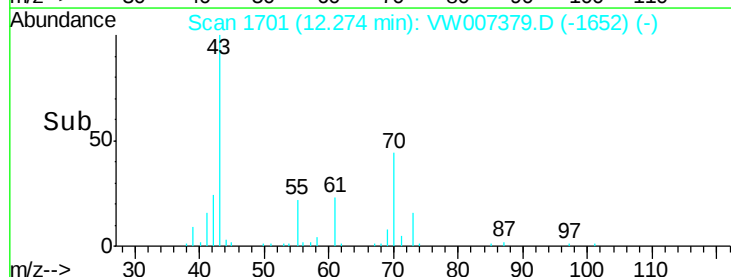
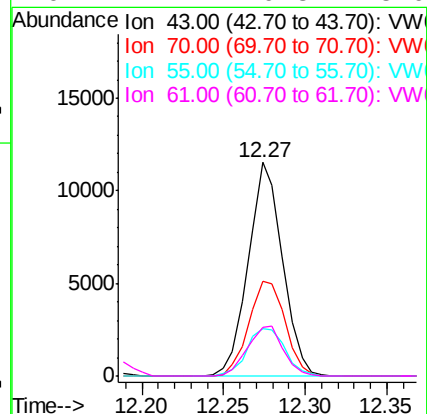
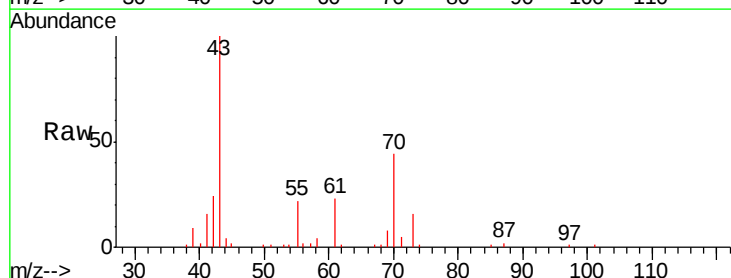
Ion Ratio Lower Upper

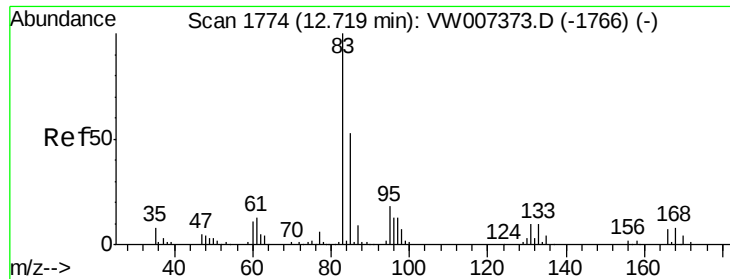
43 100

70 47.0 36.5 54.7

55 24.8 20.1 30.1

61 24.4 19.3 28.9





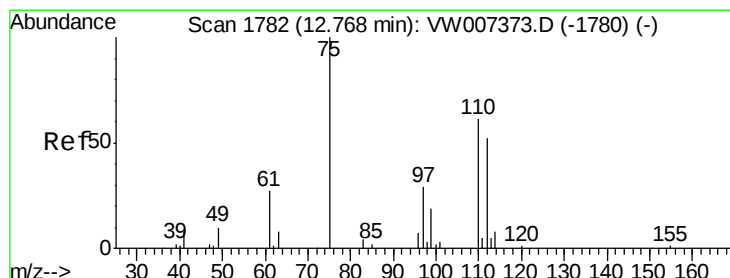
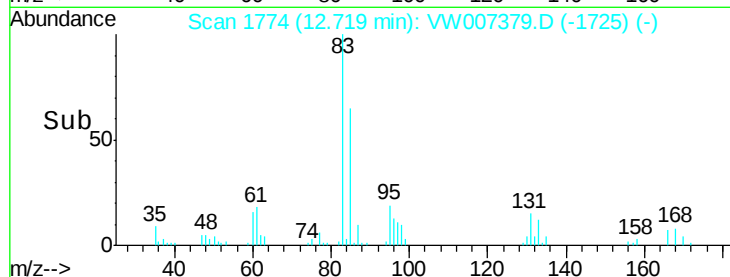
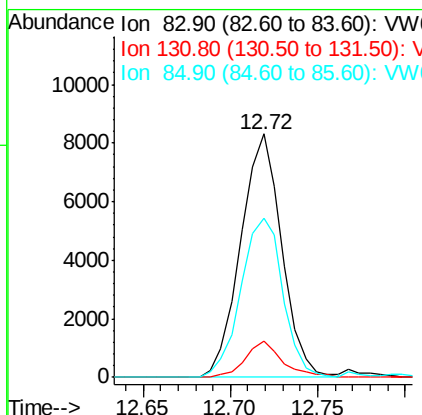
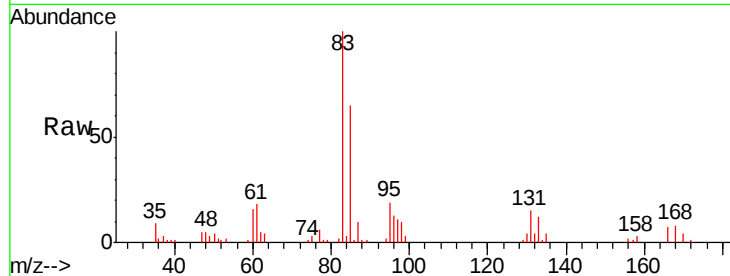
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.409 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	13658		
131	13.6	5.9	17.8	
85	66.6	30.0	90.0	

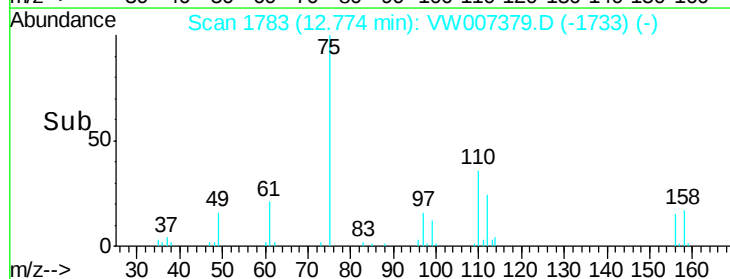
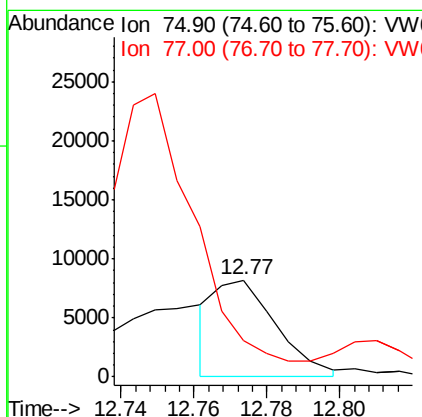
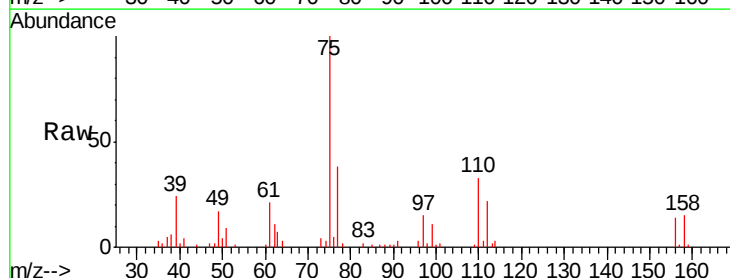
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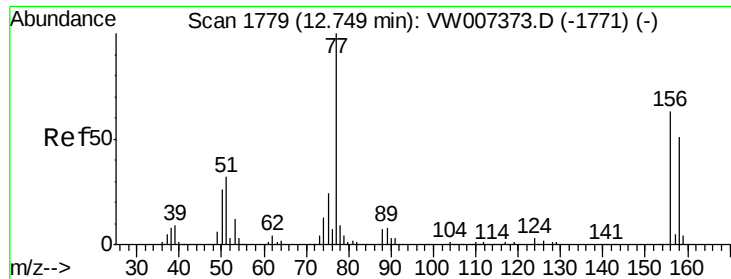
sam
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#76
 1,2,3-Trichloropropane
 Concen: 19.827 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9640		
77	0.0	166.9	500.8	





#77

Bromobenzene

Concen: 22.627 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

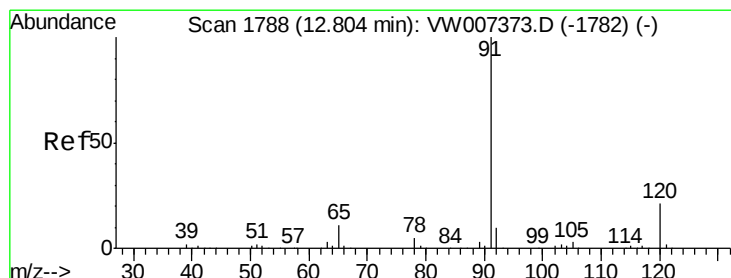
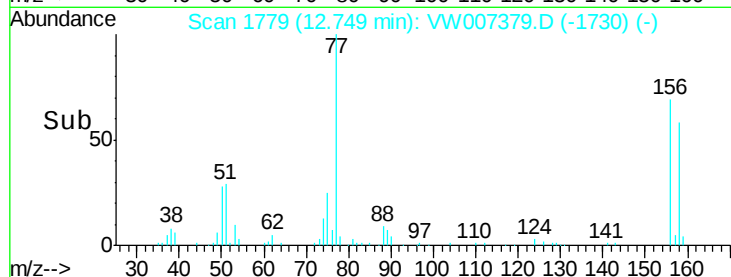
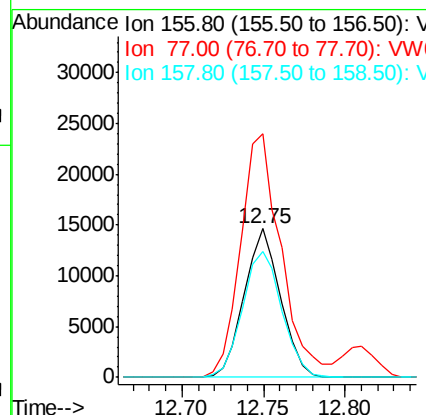
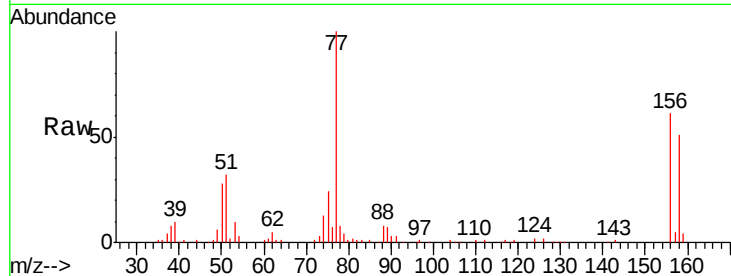
ClientSampleId :

VW1211SBS01

Tgt Ion:	156	Resp:	22661
Ion Ratio	Lower	Upper	
156	100		
77	183.4	88.1	264.4
158	91.7	45.6	136.7

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sam
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#78

n-propylbenzene

Concen: 24.375 ug/l

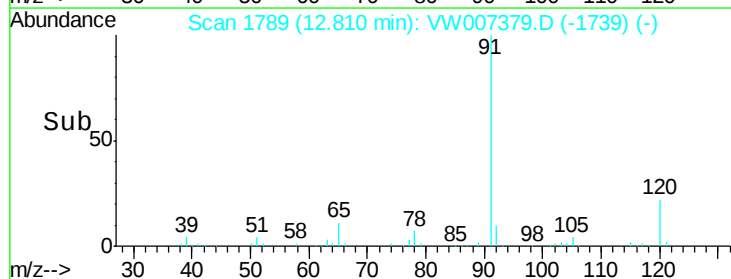
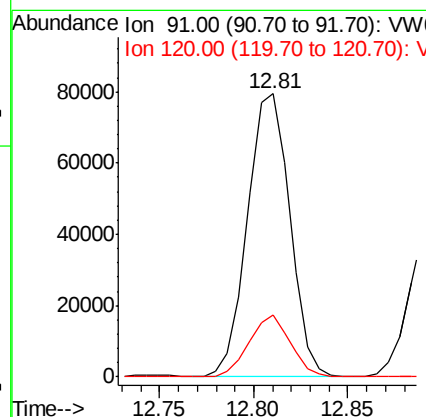
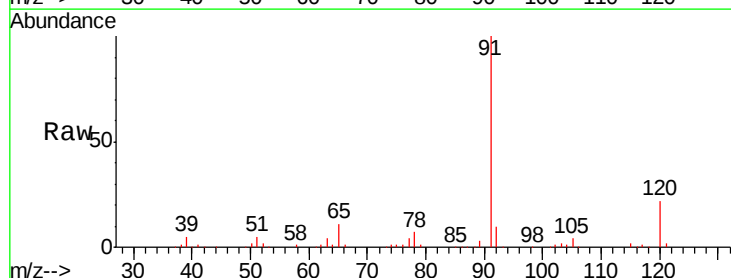
RT: 12.81 min Scan# 1789

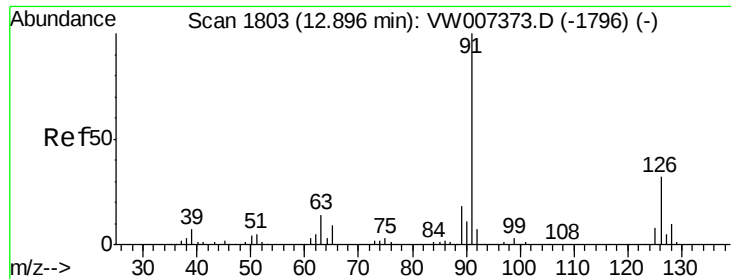
Delta R.T. 0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Tgt Ion:	91	Resp:	123944
Ion Ratio	Lower	Upper	
91	100		
120	21.2	11.9	35.5





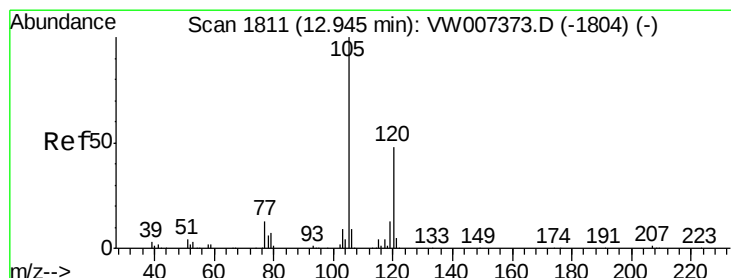
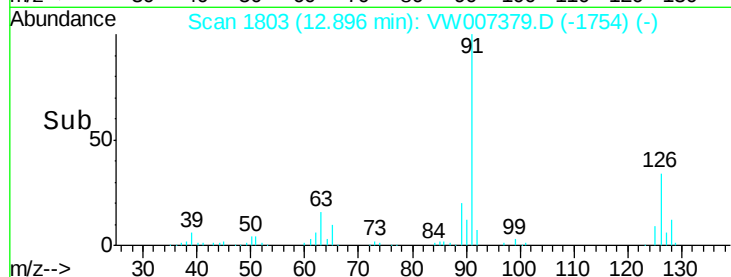
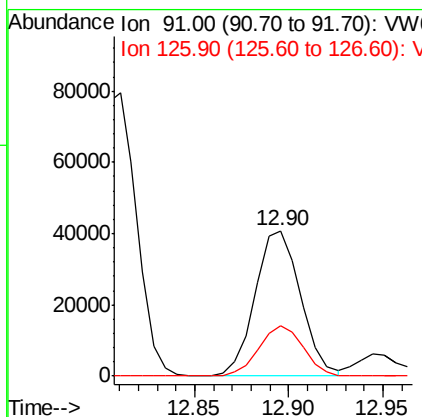
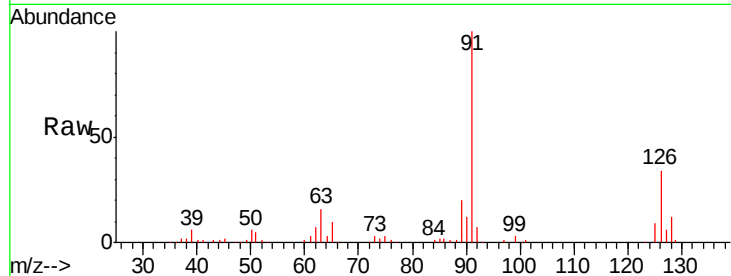
#79
 2-Chlorotoluene
 Concen: 22.163 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Tgt Ion: 91 Resp: 68190
 Ion Ratio Lower Upper
 91 100
 126 33.7 15.9 47.6

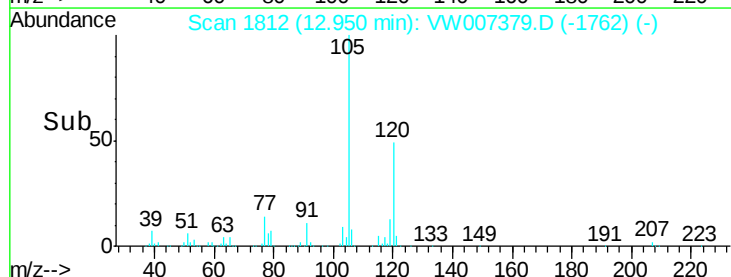
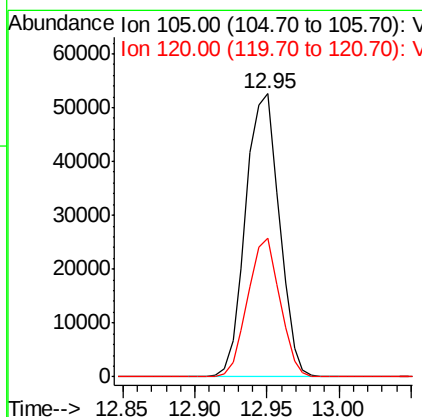
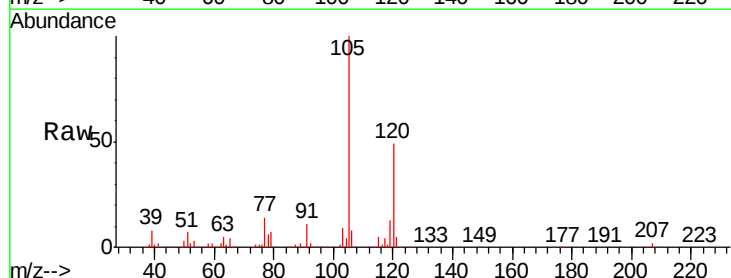
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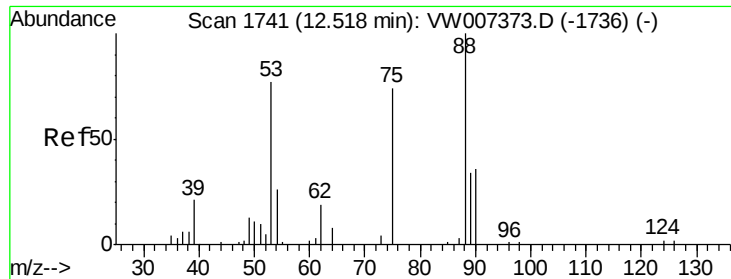
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.403 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Tgt Ion: 105 Resp: 85054
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.755 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

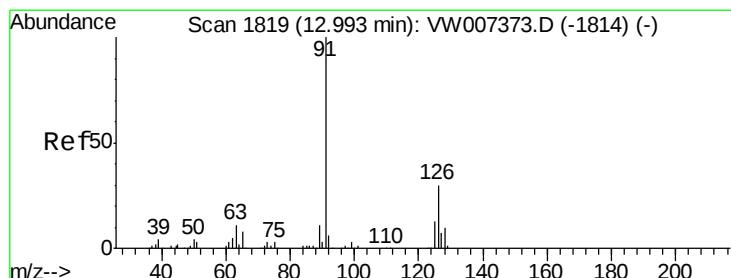
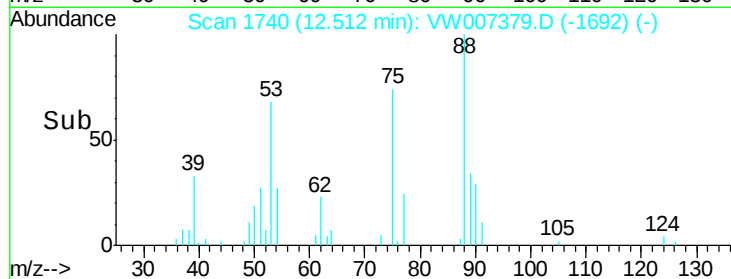
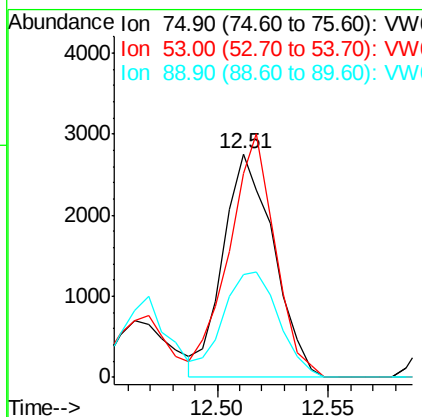
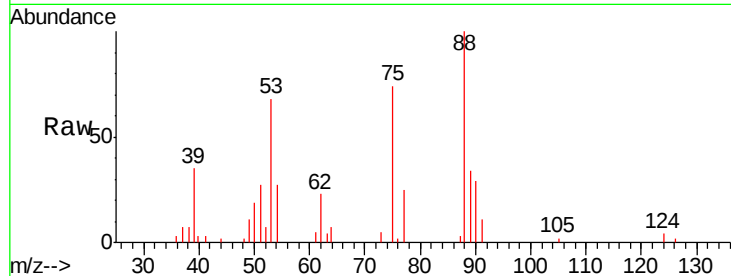
ClientSampleId :

VW1211SBS01

Tgt Ion:	75	Resp:	4348
Ion Ratio	Lower	Upper	
75	100		
53	99.7	84.9	127.3
89	52.3	40.3	60.5

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#82

4-Chlorotoluene

Concen: 22.019 ug/l

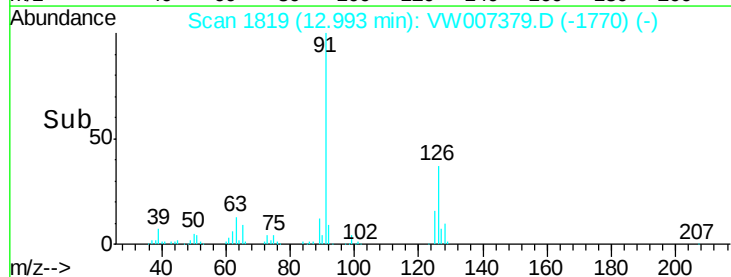
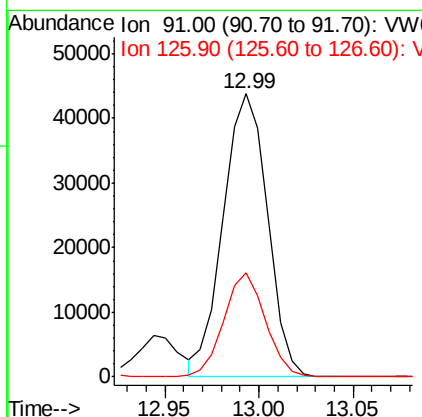
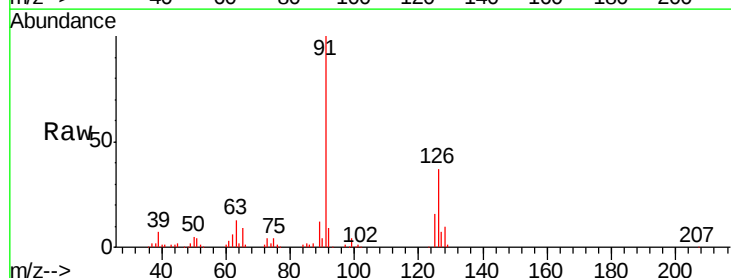
RT: 12.99 min Scan# 1819

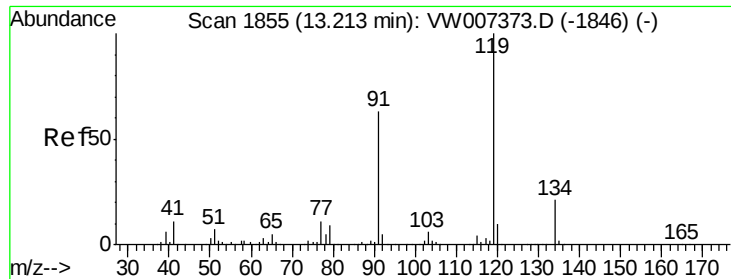
Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Tgt Ion:	91	Resp:	71412
Ion Ratio	Lower	Upper	
91	100		
126	34.4	16.0	48.0





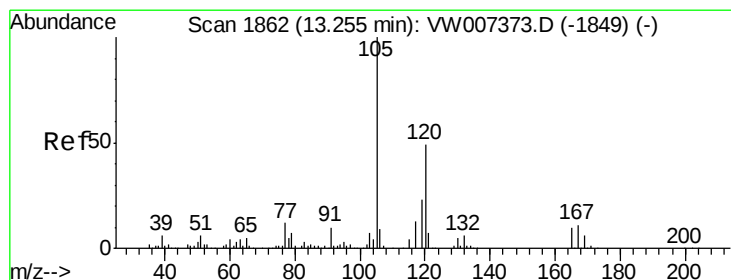
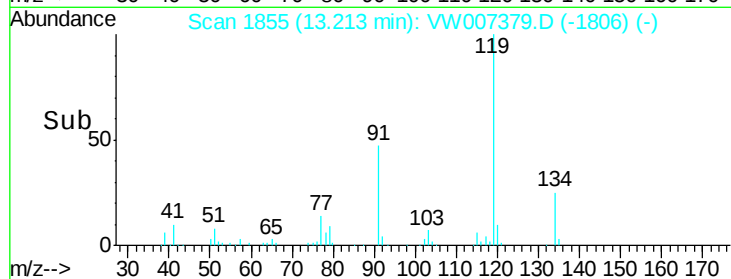
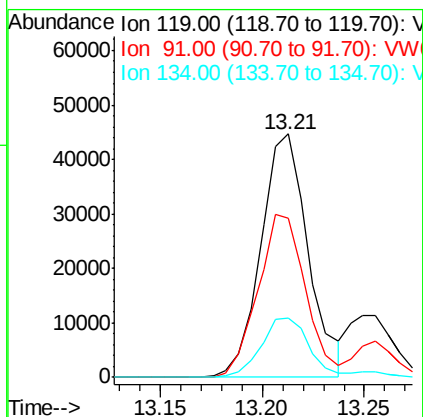
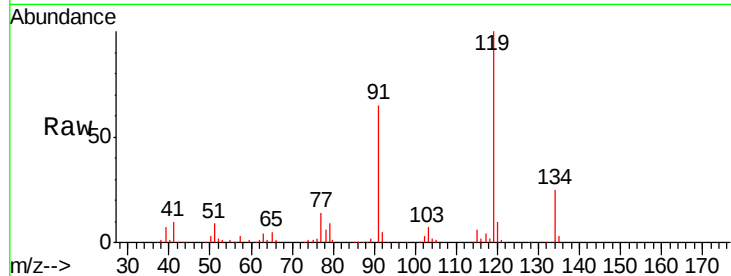
#83
tert-Butylbenzene
Concen: 21.660 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.9	33.1	99.2
134	26.3	12.5	37.5

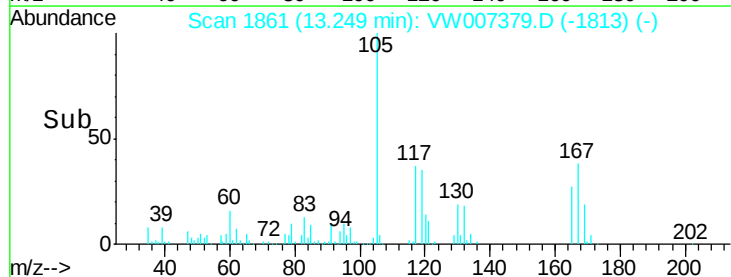
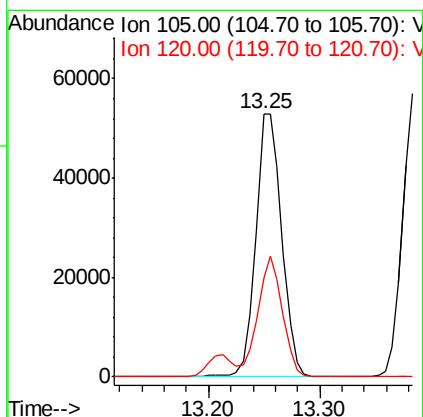
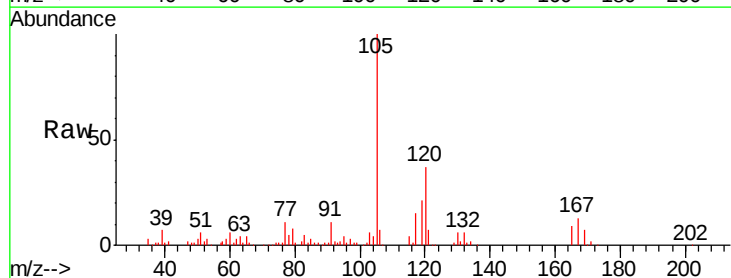
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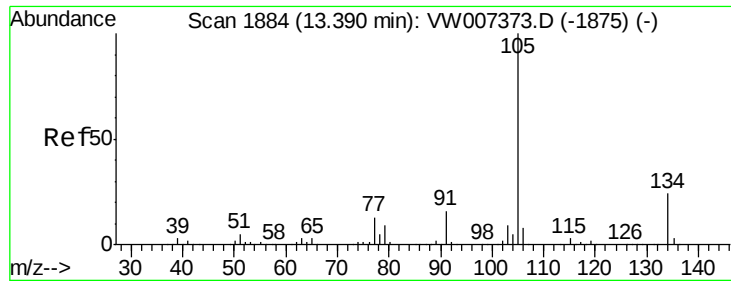
sam
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#84
1,2,4-Trimethylbenzene
Concen: 21.957 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.6	67.7





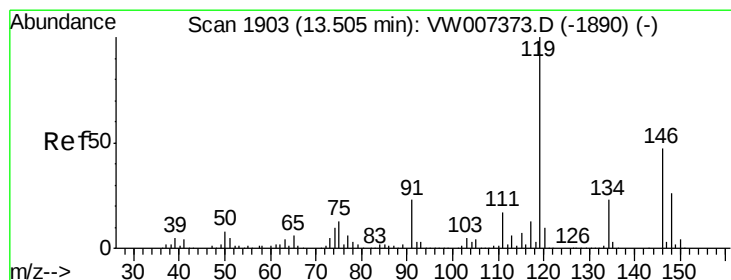
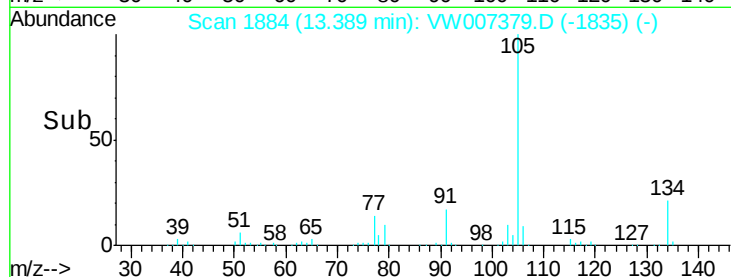
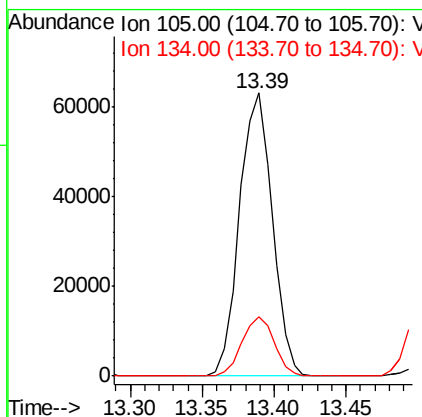
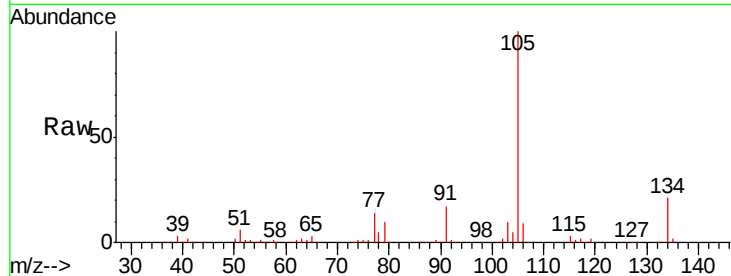
#85
 sec-Butylbenzene
 Concen: 21.898 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Tgt Ion:105 Resp: 99999
 Ion Ratio Lower Upper
 105 100
 134 20.6 11.1 33.3

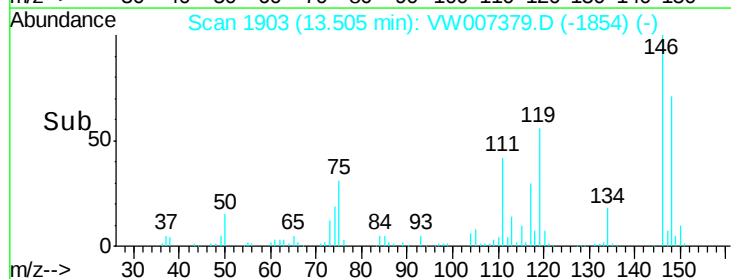
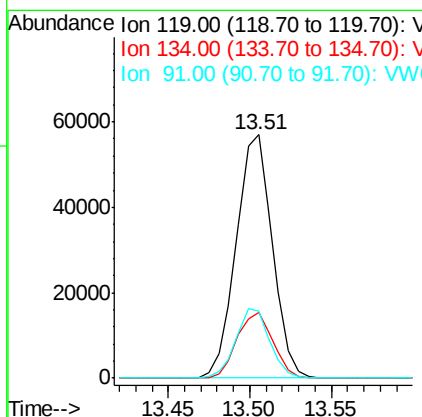
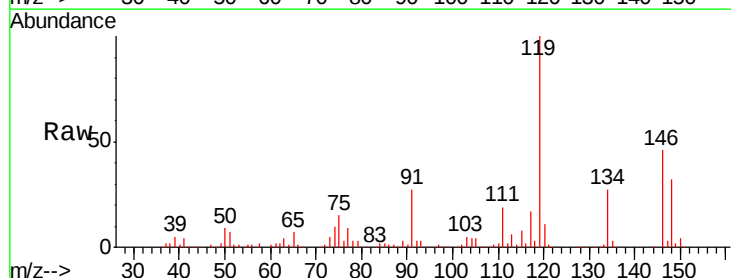
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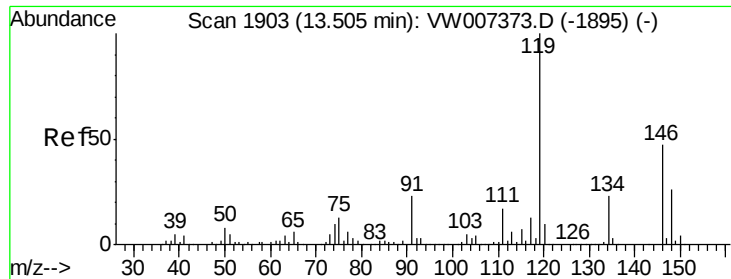
sam
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#86
 p-Isopropyltoluene
 Concen: 21.489 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Tgt Ion:119 Resp: 88159
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.9 38.7
 91 27.0 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 21.731 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

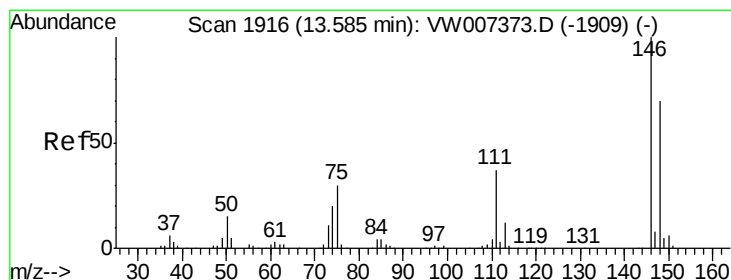
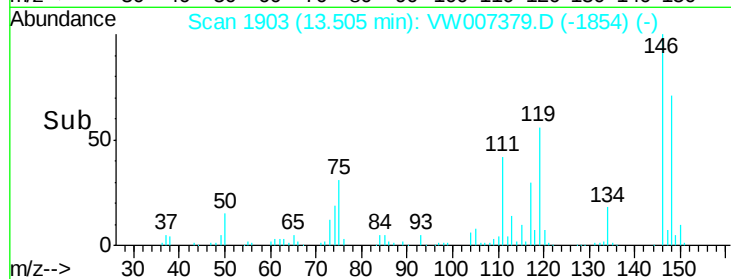
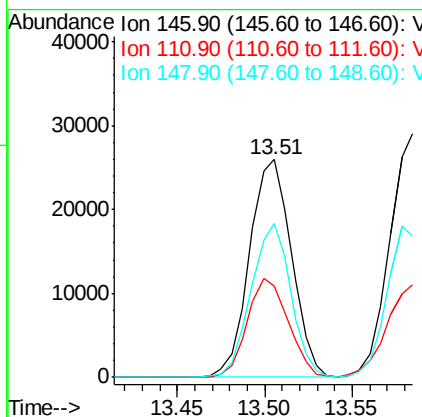
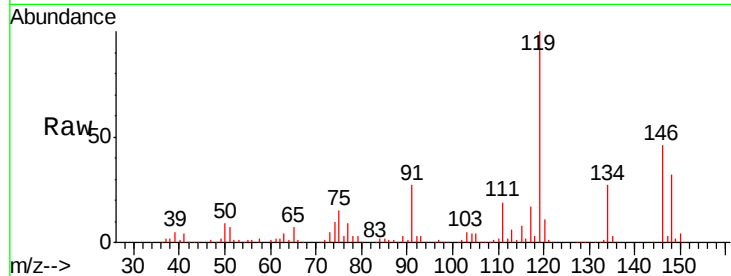
ClientSampleId :

VW1211SBS01

Tgt Ion:	146	Resp:	43393
Ion Ratio	Lower	Upper	
146	100		
111	44.3	20.1	60.3
148	66.9	31.4	94.0

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#88

1,4-Dichlorobenzene

Concen: 22.709 ug/l

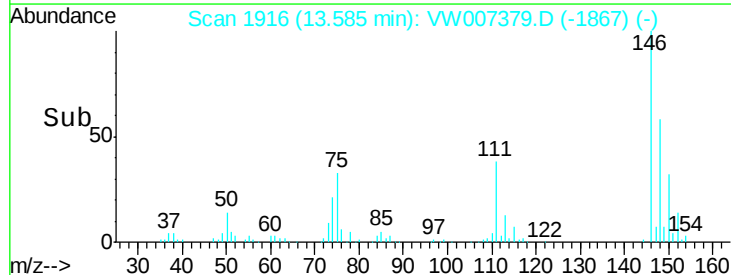
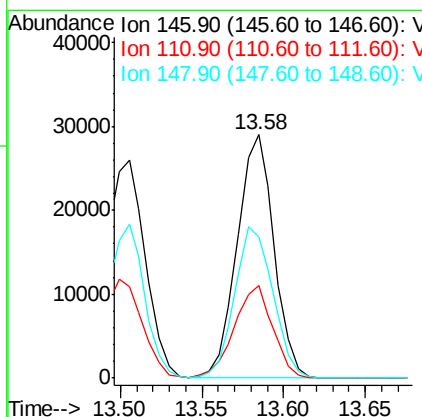
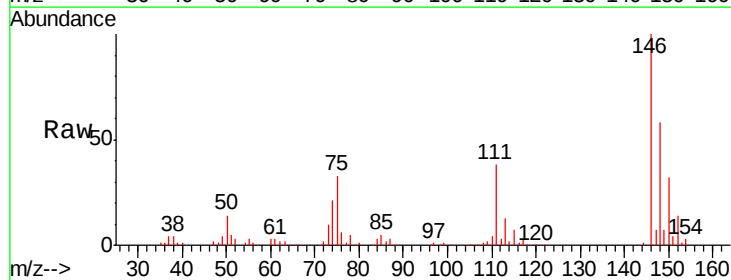
RT: 13.58 min Scan# 1916

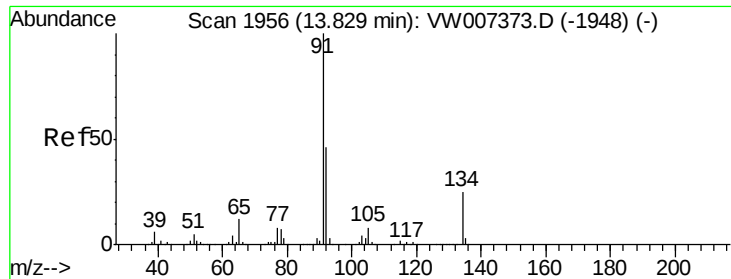
Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Tgt Ion:	146	Resp:	45587
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.3	61.0
148	64.6	33.5	100.5





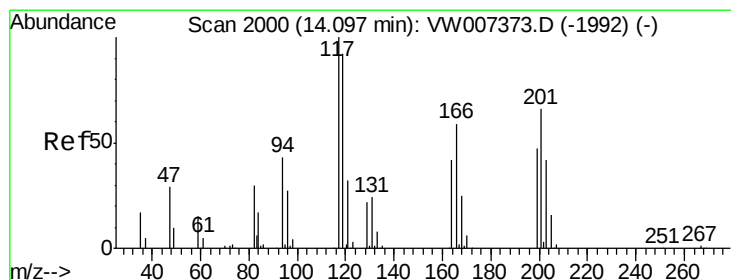
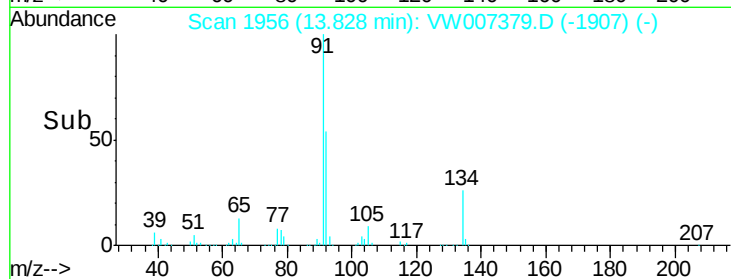
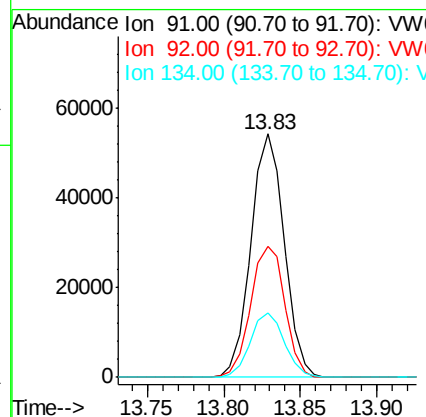
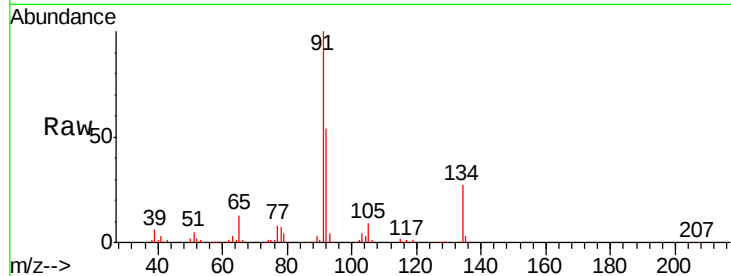
#89
n-Butylbenzene
Concen: 21.618 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	25.7	77.1
134	27.2	13.4	40.2

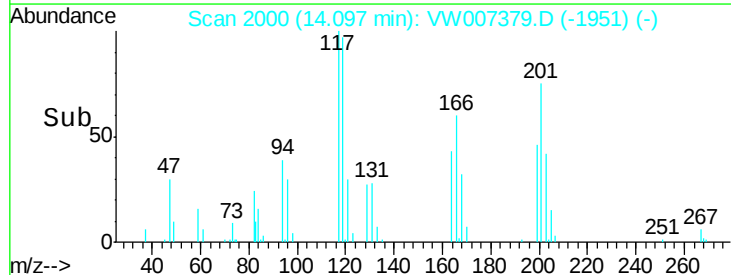
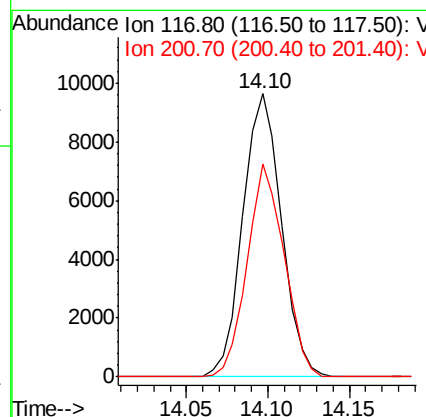
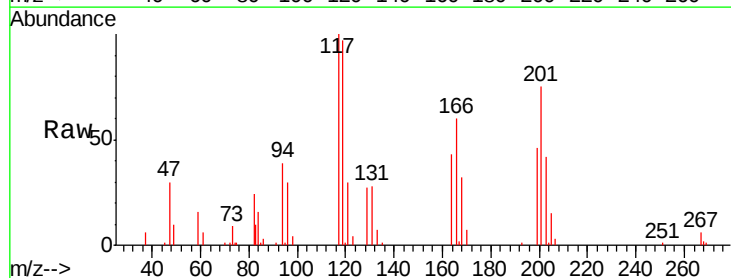
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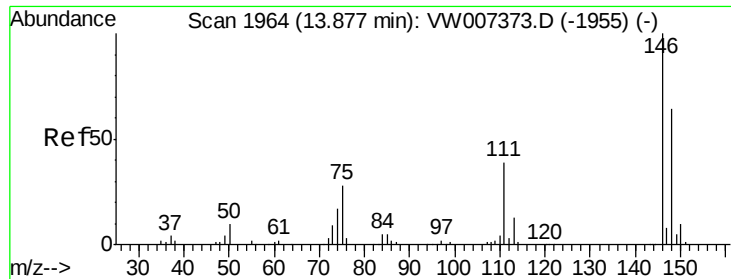
sam
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#90
Hexachloroethane
Concen: 21.752 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	35.3	105.9





#91

1,2-Dichlorobenzene

Concen: 22.542 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Instrument :

MSVOA_W

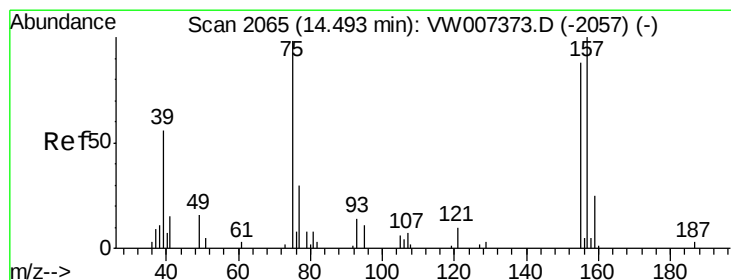
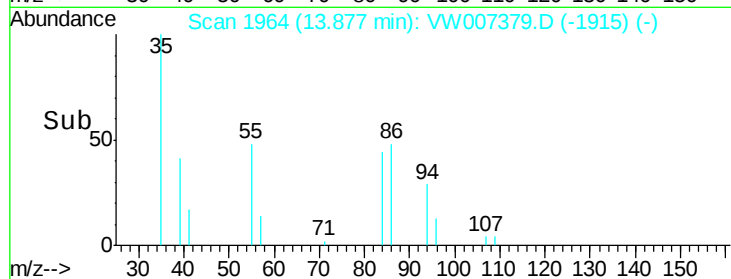
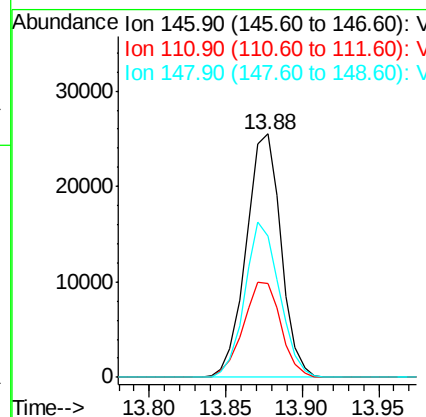
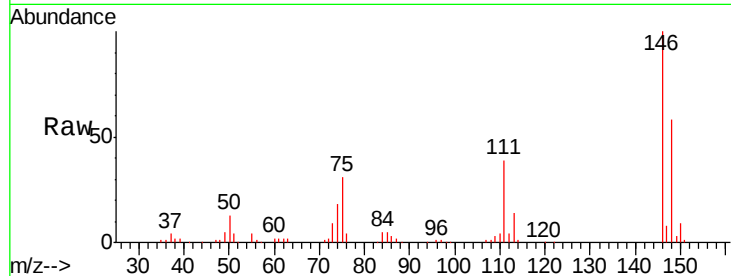
ClientSampleId :

VW1211SBS01

Tgt Ion:	146	Resp:	40317
Ion Ratio	Lower	Upper	
146	100		
111	42.2	22.4	67.2
148	63.4	32.4	97.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.564 ug/l

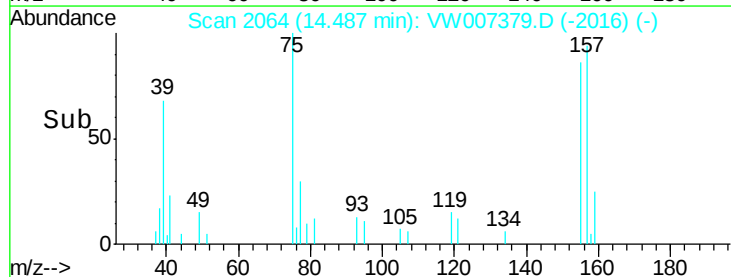
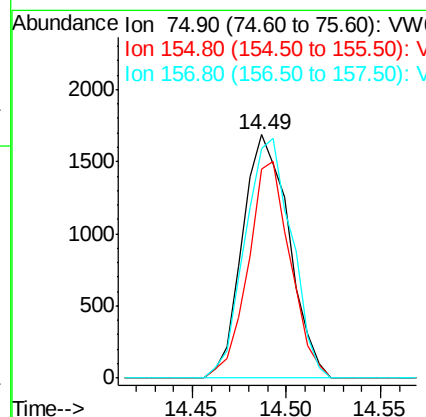
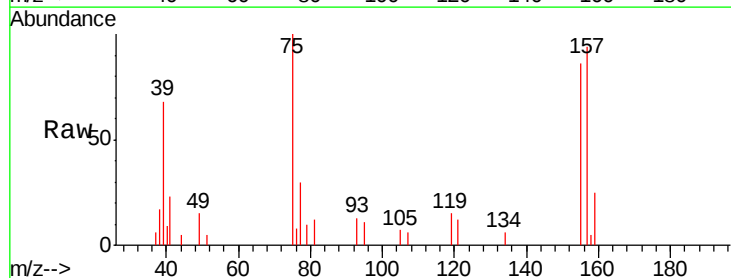
RT: 14.49 min Scan# 2064

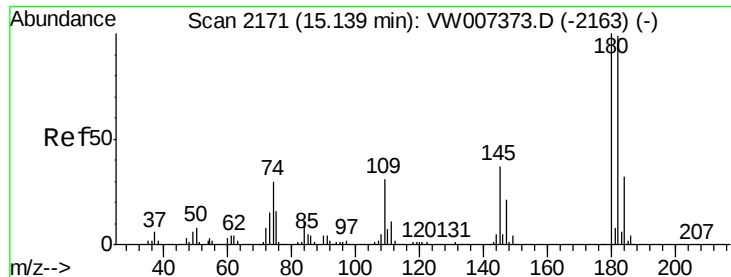
Delta R.T. -0.01 min

Lab File: VW007379.D

Acq: 11 Dec 2018 03:33

Tgt Ion:	75	Resp:	2896
Ion Ratio	Lower	Upper	
75	100		
155	80.4	40.8	122.2
157	98.5	51.1	153.4





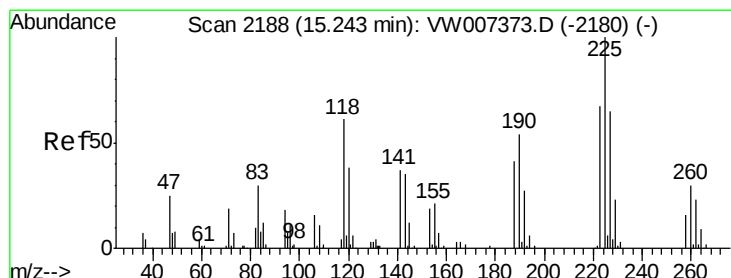
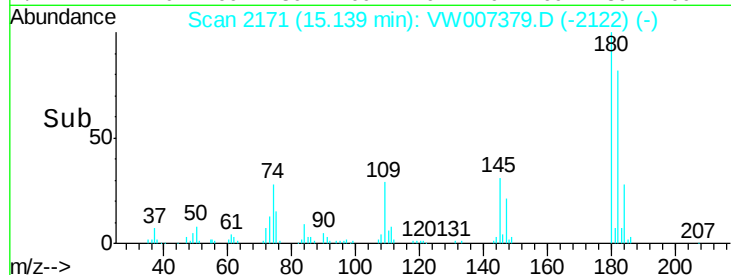
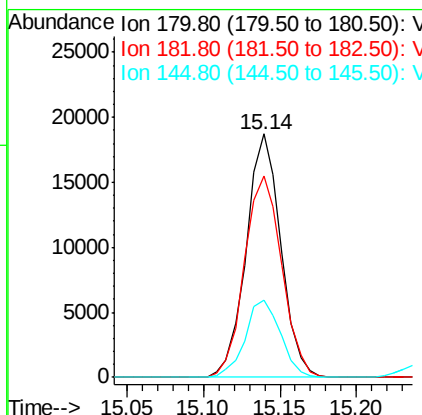
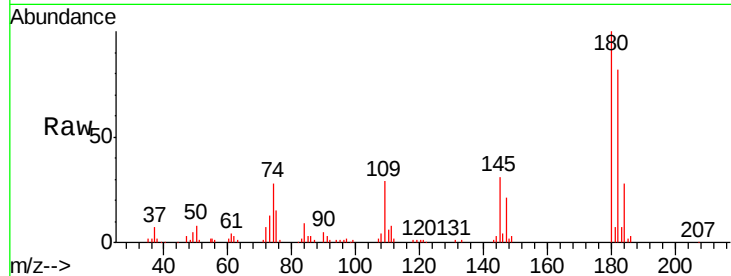
#93
 1,2,4-Trichlorobenzene
 Concen: 23.910 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1211SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	29429		
182	89.5	49.9	149.6	
145	32.3	17.8	53.4	

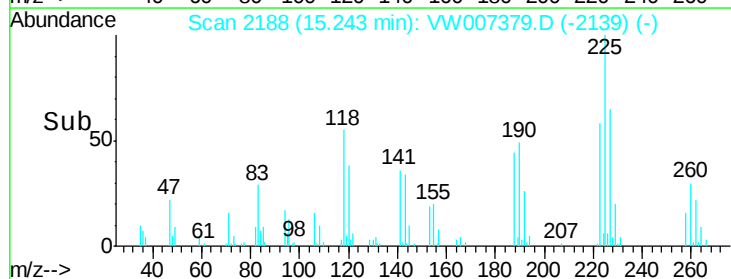
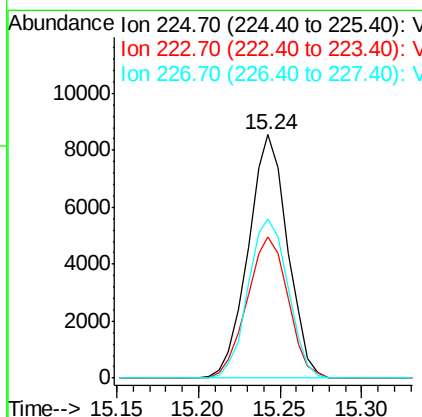
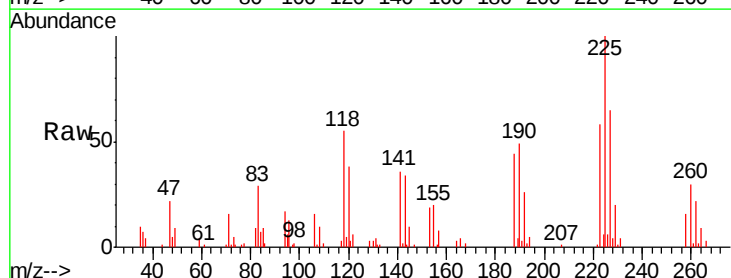
Manual Integrations
 APPROVED

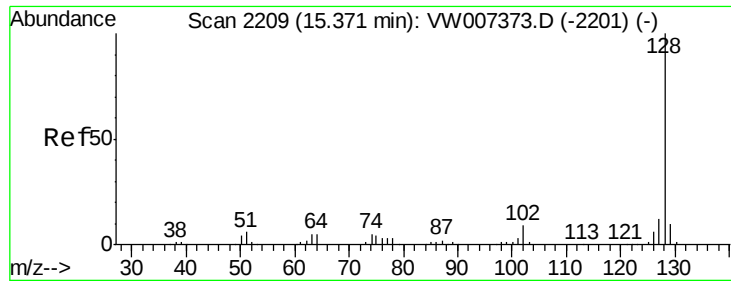
sam
 12/27/2018 8:19:39 AM



#94
 Hexachlorobutadiene
 Concen: 21.918 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007379.D
 Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14314		
223	60.6	32.1	96.3	
227	66.4	31.9	95.9	





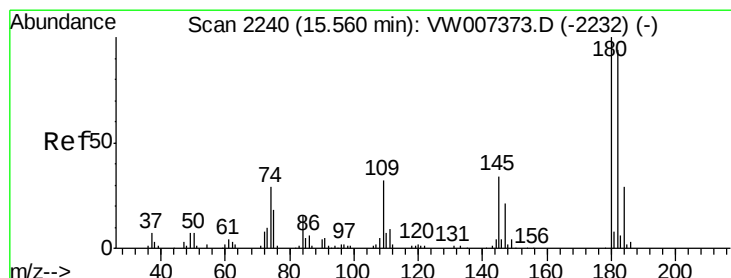
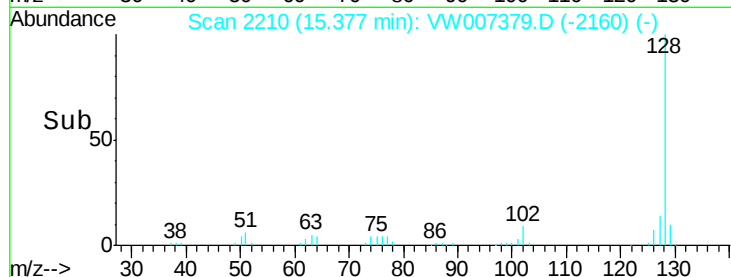
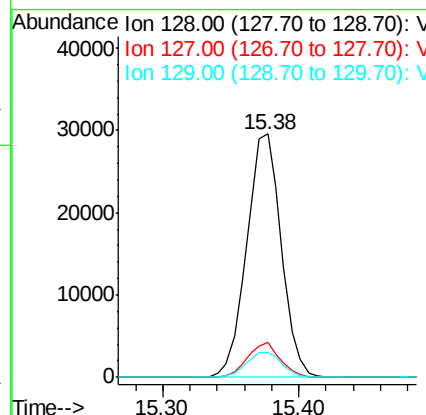
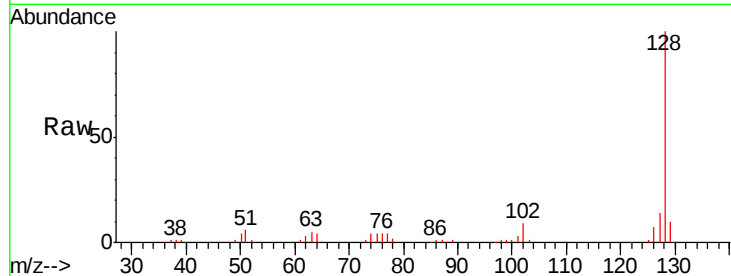
#95
Naphthalene
Concen: 22.327 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Instrument :
MSVOA_W
ClientSampleId :
VW1211SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	10.4	8.3	12.5

Manual Integrations
APPROVED

sam
12/27/2018 8:19:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.988 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007379.D
Acq: 11 Dec 2018 03:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	45.6	136.7
145	32.4	17.5	52.5

