

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101518\
 Data File : VW006064.D
 Acq On : 15 Oct 2018 17:54
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 10/16/2018 10:33:53 AM

Quant Time: Oct 16 05:11:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 04:19:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	293744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	419976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	382553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	214764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	49068	17.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.18%	
35) Dibromofluoromethane	7.88	113	49308	18.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.24%	
50) Toluene-d8	10.33	98	189879	18.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.40%	
62) 4-Bromofluorobenzene	12.62	95	71780	18.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24845	17.126	ug/l	95
3) Chloromethane	2.21	50	33698	19.501	ug/l	98
4) Vinyl Chloride	2.37	62	51009	19.032	ug/l	97
5) Bromomethane	2.78	94	46918	21.836	ug/l	98
6) Chloroethane	2.93	64	39733	22.824	ug/l	97
7) Trichlorofluoromethane	3.26	101	48198	22.060	ug/l	97
8) Diethyl Ether	3.68	74	24560	18.466	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53740	20.102	ug/l	99
10) Methyl Iodide	4.26	142	88230	20.104	ug/l	100
11) Tert butyl alcohol	5.24	59	15159	75.172	ug/l	99
12) 1,1-Dichloroethene	4.03	96	49746	19.478	ug/l	97
13) Acrolein	3.90	56	17086	93.246	ug/l	96
14) Allyl chloride	4.67	41	71327	16.692	ug/l	99
15) Acrylonitrile	5.38	53	46582	83.813	ug/l	99
16) Acetone	4.15	43	55581	101.787	ug/l	97
17) Carbon Disulfide	4.37	76	148811	19.279	ug/l	99
18) Methyl Acetate	4.68	43	22825	16.316	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	75614	19.052	ug/l	96
20) Methylene Chloride	4.91	84	54916	19.380	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	55713	19.955	ug/l	95
22) Diisopropyl ether	6.31	45	140921	17.538	ug/l	98
23) Vinyl Acetate	6.26	43	414405	84.446	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91645	18.491	ug/l	100
25) 2-Butanone	7.18	43	68236	87.346	ug/l	100
26) 2,2-Dichloropropane	7.17	77	67316	19.419	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	62703	19.898	ug/l	99
28) Bromochloromethane	7.51	49	30684	16.355	ug/l	98
29) Tetrahydrofuran	7.54	42	40026	80.991	ug/l	97
30) Chloroform	7.68	83	100481	19.608	ug/l	99
31) Cyclohexane	7.95	56	90281	18.461	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	91616	20.042	ug/l	100
36) 1,1-Dichloropropene	8.09	75	81512	20.519	ug/l	99
37) Ethyl Acetate	7.26	43	30186	18.280	ug/l	99
38) Carbon Tetrachloride	8.07	117	87823	20.510	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	107285	20.504	ug/l	95
40) Benzene	8.32	78	220494	20.271	ug/l	99
41) Methacrylonitrile	7.49	41	18026	17.306	ug/l	97
42) 1,2-Dichloroethane	8.40	62	63710	19.394	ug/l	99
43) Isopropyl Acetate	8.43	43	58860	17.115	ug/l	99
44) Trichloroethene	9.09	130	68413	21.545	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53010	19.559	ug/l	100
46) Dibromomethane	9.46	93	29517	19.694	ug/l	100
47) Bromodichloromethane	9.65	83	71585	19.050	ug/l	99
48) Methyl methacrylate	9.44	41	27223	16.572	ug/l	97
49) 1,4-Dioxane	9.48	88	8554	373.794	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	146640	87.155	ug/l	99
52) Toluene	10.39	92	146903	20.478	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	69882	17.946	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	82508	18.775	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	40828	19.613	ug/l	96
56) Ethyl methacrylate	10.65	69	49751	17.987	ug/l	97
57) 1,3-Dichloropropane	10.93	76	68984	19.767	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	94148	84.373	ug/l	99
59) 2-Hexanone	10.98	43	107820	89.859	ug/l	99
60) Dibromochloromethane	11.13	129	50406	18.838	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40903	19.647	ug/l	100
64) Tetrachloroethene	10.87	164	60610	21.311	ug/l	97
65) Chlorobenzene	11.66	112	171117	21.084	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	59606	20.031	ug/l	99
67) Ethyl Benzene	11.74	91	300129	21.009	ug/l	99
68) m/p-Xylenes	11.84	106	235038	41.977	ug/l	100
69) o-Xylene	12.17	106	111414	20.766	ug/l	99
70) Styrene	12.18	104	179198	20.170	ug/l	100
71) Bromoform	12.35	173	31825	18.078	ug/l #	99
73) Isopropylbenzene	12.47	105	314548	20.316	ug/l	99
74) N-amyl acetate	12.28	43	58502	16.313	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	46030	18.251	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	30848m	16.668	ug/l	
77) Bromobenzene	12.75	156	76490	20.733	ug/l	100
78) n-propylbenzene	12.81	91	368950	20.275	ug/l	99
79) 2-Chlorotoluene	12.90	91	204896	19.921	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	267643	20.447	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13510	15.500	ug/l	98
82) 4-Chlorotoluene	12.99	91	217514	20.182	ug/l	100
83) tert-Butylbenzene	13.21	119	239205	20.571	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	270700	20.523	ug/l	99
85) sec-Butylbenzene	13.39	105	340174	20.824	ug/l	100
86) p-Isopropyltoluene	13.51	119	307399	20.894	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	153133	20.919	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	152165	20.920	ug/l	100
89) n-Butylbenzene	13.83	91	285304	20.705	ug/l	99
90) Hexachloroethane	14.10	117	51096	18.669	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	136374	20.945	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8116	17.396	ug/l	98

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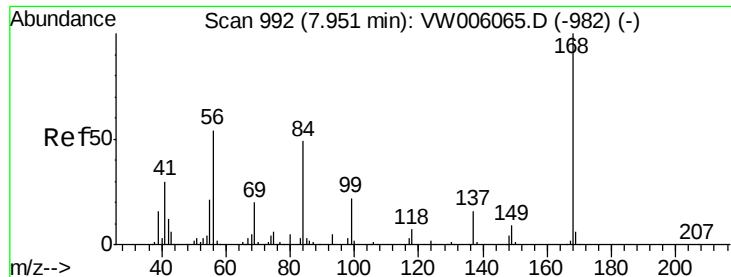
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	105700	21.085	ug/l	99
94) Hexachlorobutadiene	15.25	225	66060	21.100	ug/l	99
95) Naphthalene	15.38	128	169516	19.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	90212	20.775	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 293744

Ion Ratio Lower Upper

168 100

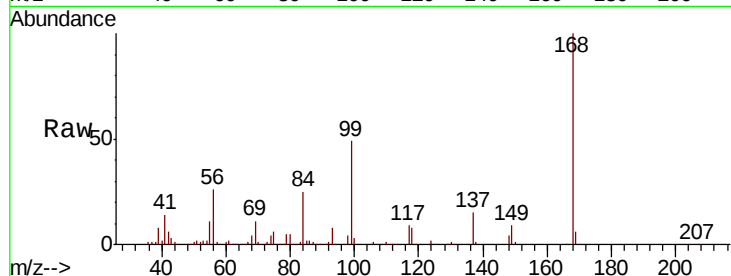
99 49.2 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

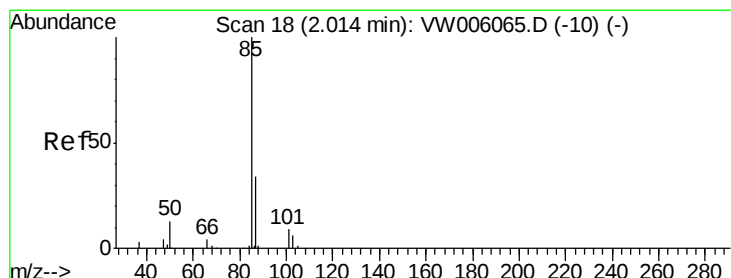
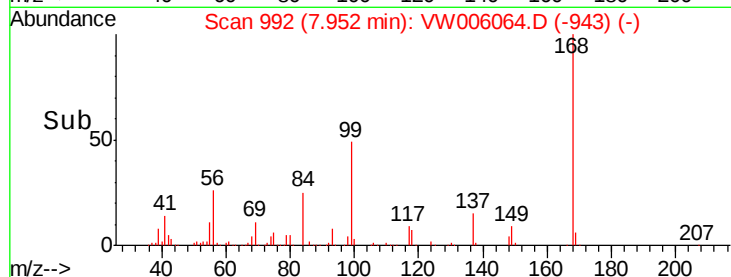
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.126 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006064.D

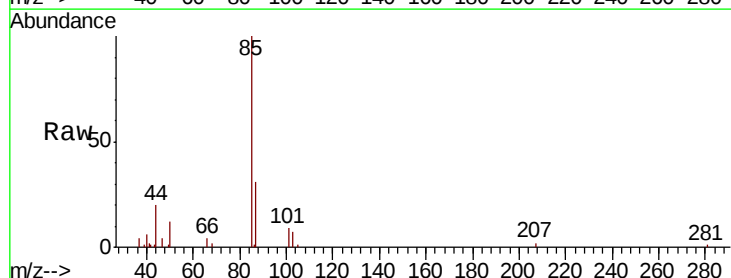
Acq: 15 Oct 2018 17:54

Tgt Ion: 85 Resp: 24845

Ion Ratio Lower Upper

85 100

87 30.9 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

8000

6000

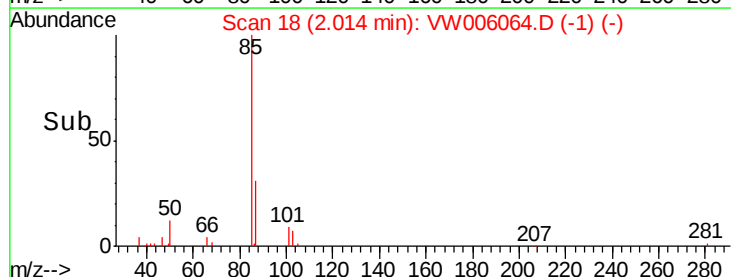
4000

2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.501 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 33698

Ion Ratio Lower Upper

50 100

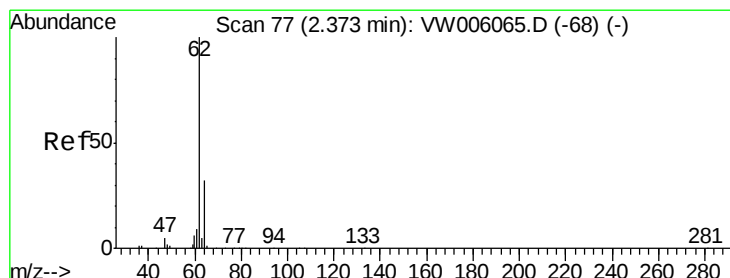
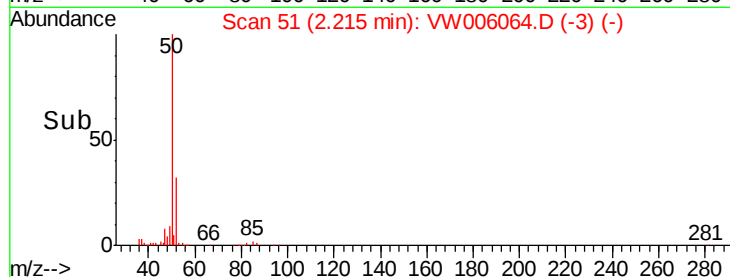
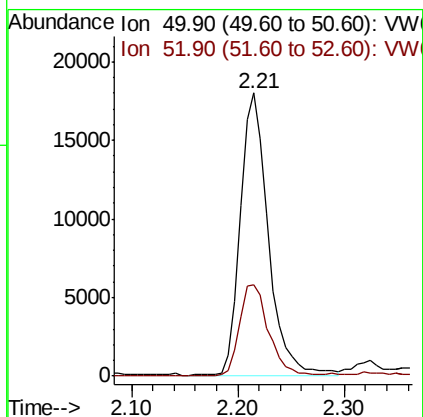
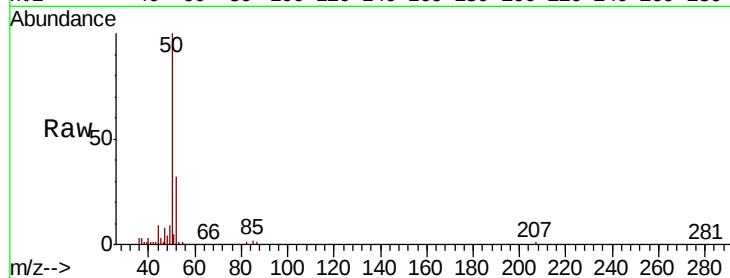
52 32.4 26.8 40.2

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#4

Vinyl Chloride

Concen: 19.032 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006064.D

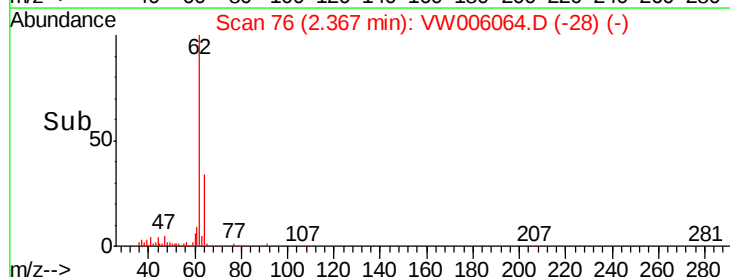
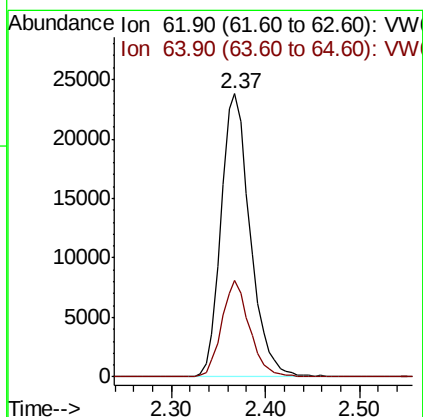
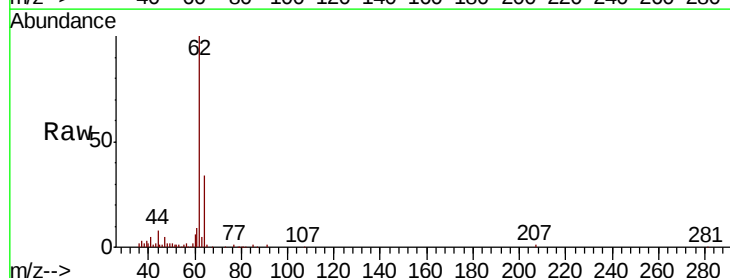
Acq: 15 Oct 2018 17:54

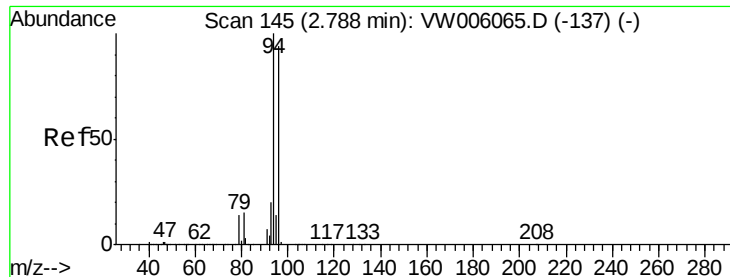
Tgt Ion: 62 Resp: 51009

Ion Ratio Lower Upper

62 100

64 34.1 25.9 38.9





#5

Bromomethane

Concen: 21.836 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 46918

Ion Ratio Lower Upper

94 100

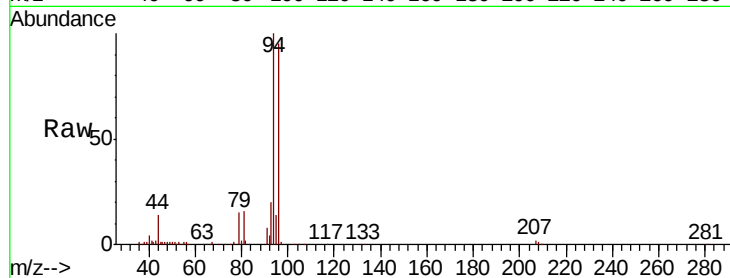
96 95.5 74.9 112.3

Manual Integrations

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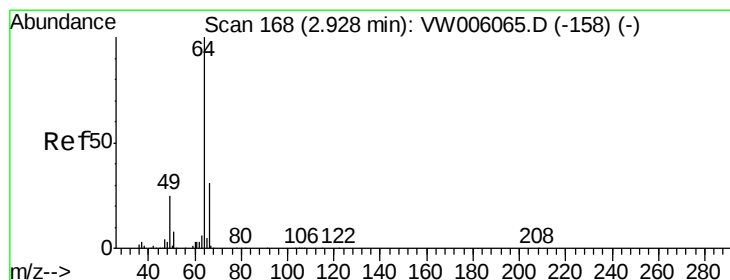
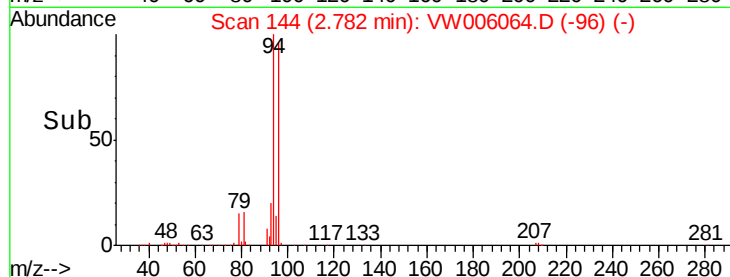
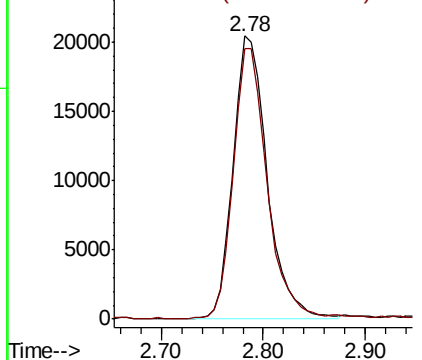
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 22.824 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006064.D

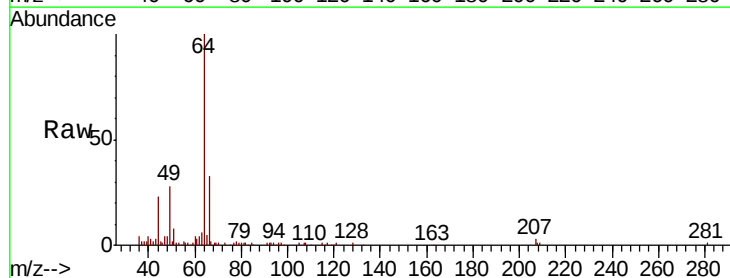
Acq: 15 Oct 2018 17:54

Tgt Ion: 64 Resp: 39733

Ion Ratio Lower Upper

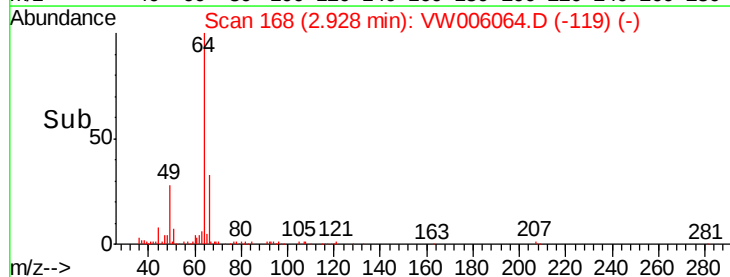
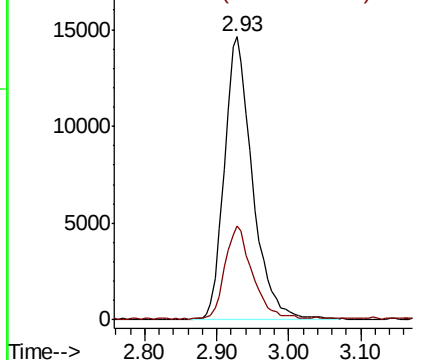
64 100

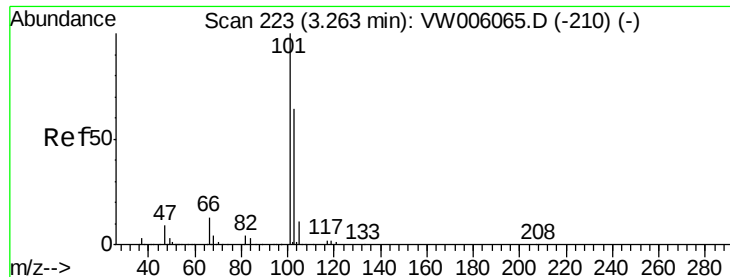
66 32.9 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

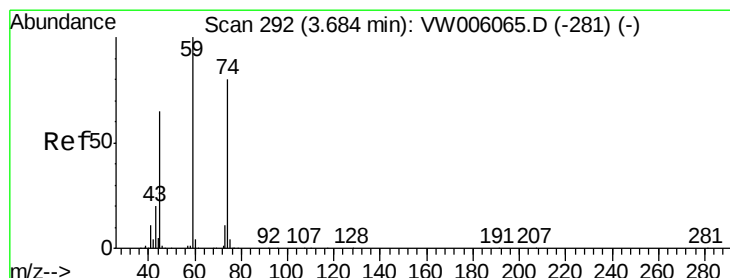
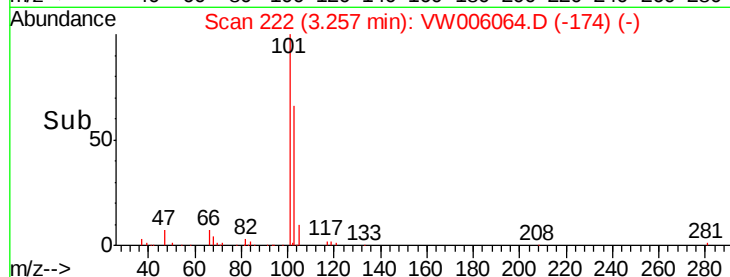
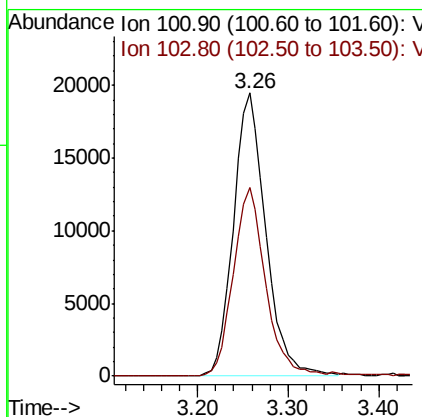
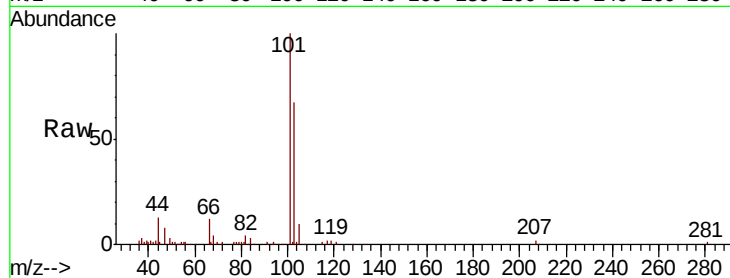
Trichlorofluoromethane
 Concen: 22.060 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		48198		
103	66.6	51.2	76.8		

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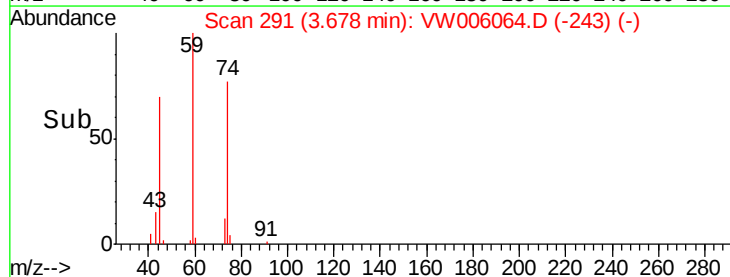
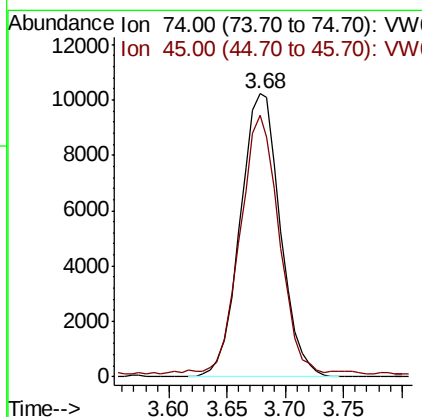
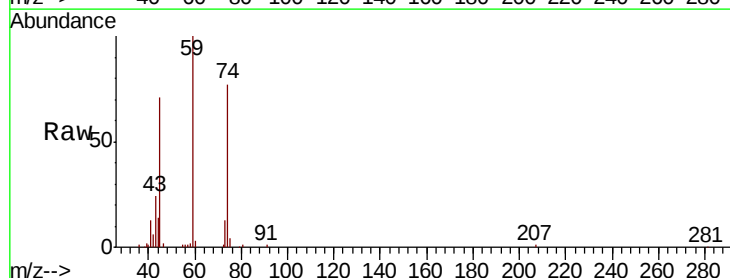
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#8

Diethyl Ether
 Concen: 18.466 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006064.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		24560		
45	86.8	42.8	128.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.102 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

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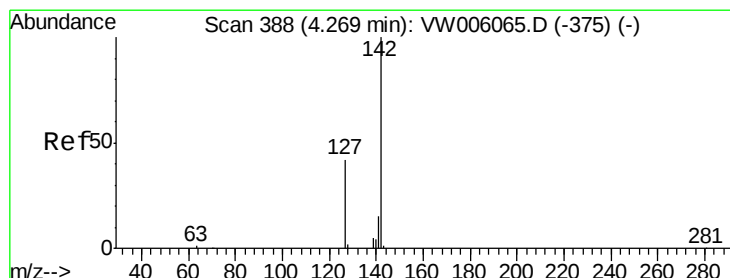
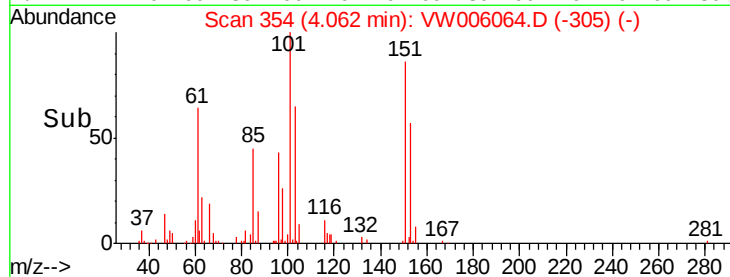
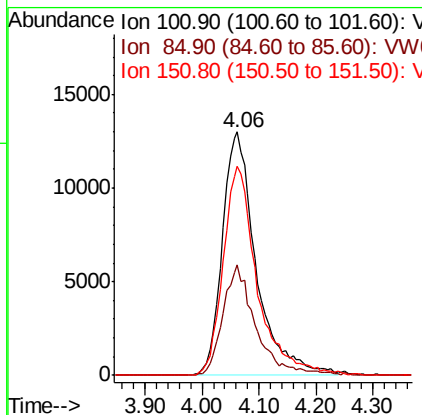
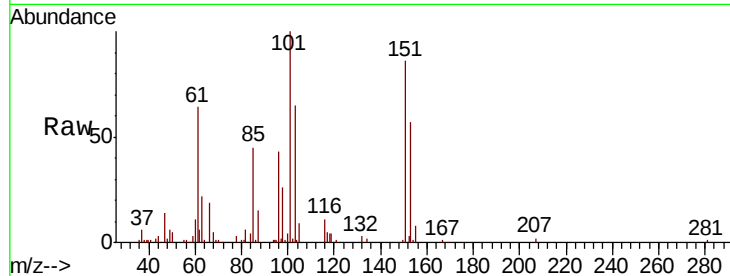
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	53740
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.9	52.3
151	86.4	70.4	105.6

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#10

Methyl Iodide

Concen: 20.104 ug/l

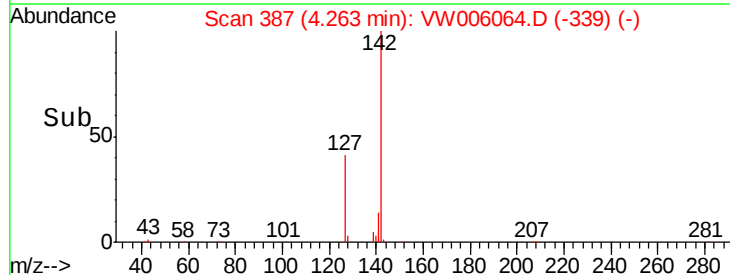
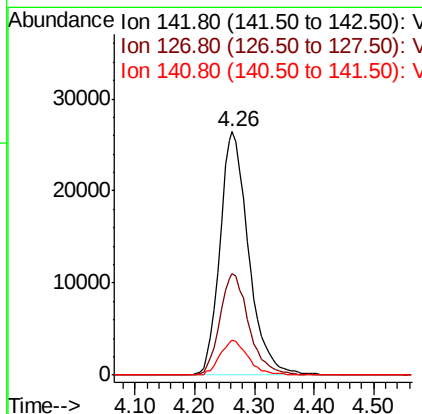
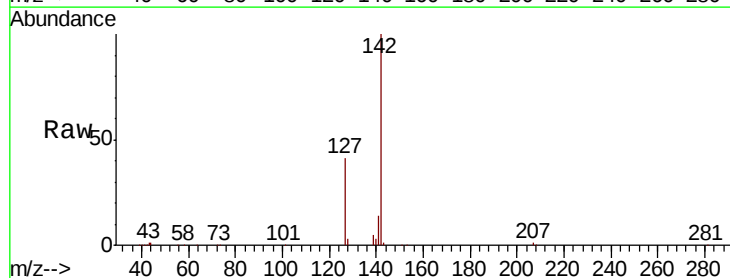
RT: 4.26 min Scan# 387

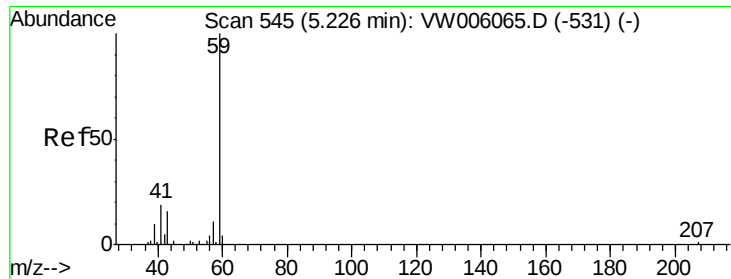
Delta R.T. -0.01 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Tgt Ion:	142	Resp:	88230
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.6	50.4
141	14.2	11.6	17.4





#11

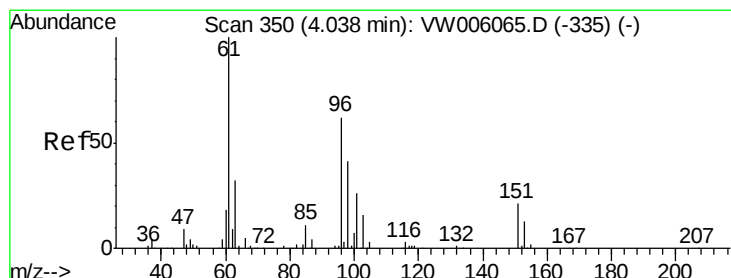
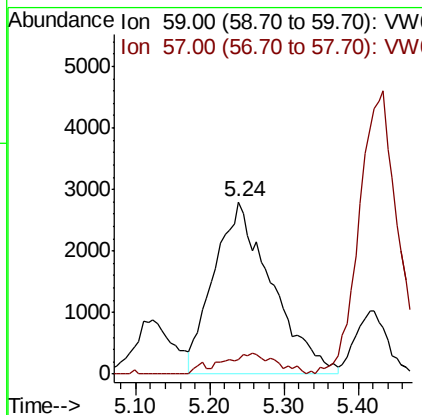
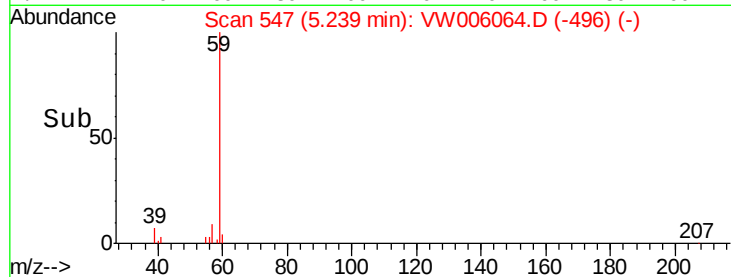
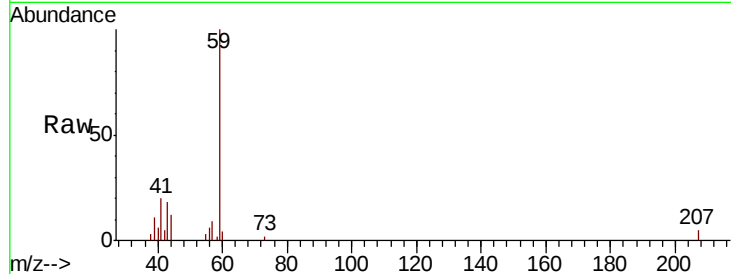
Tert butyl alcohol
Concen: 75.172 ug/l
RT: 5.24 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	59	57	Ratio	Lower	Upper
59	100				
57	10.4		8.7	13.1	

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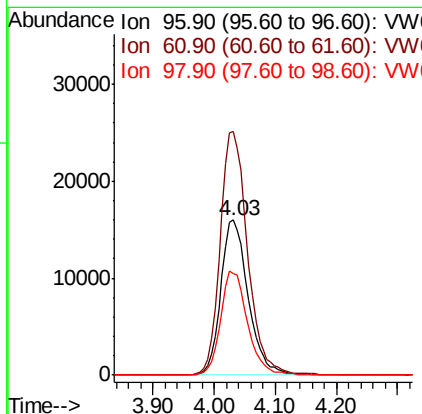
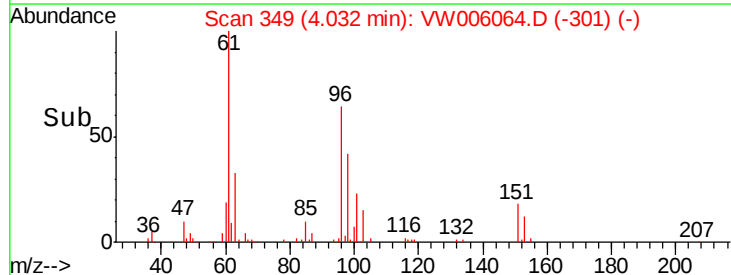
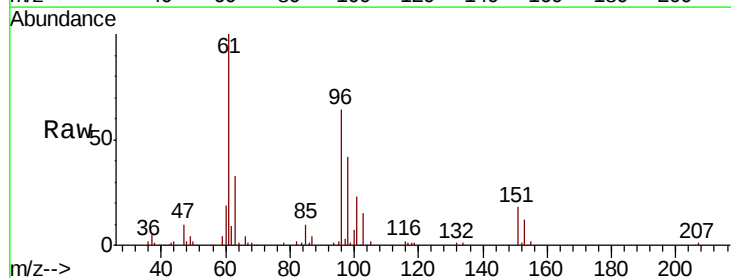
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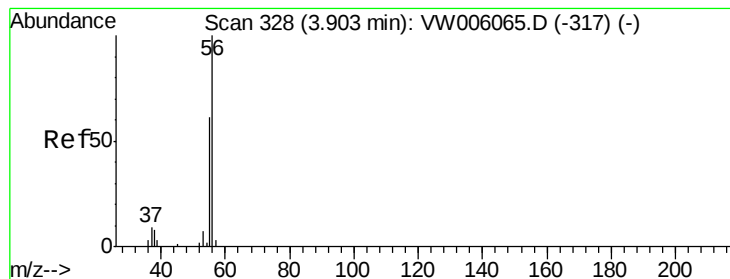


#12

1,1-Dichloroethene
Concen: 19.478 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	96	61	98	Ratio	Lower	Upper
96	100					
61	157.0			129.3	193.9	
98	65.8			53.1	79.7	





#13

Acrolein

Concen: 93.246 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 17086

Ion Ratio Lower Upper

56 100

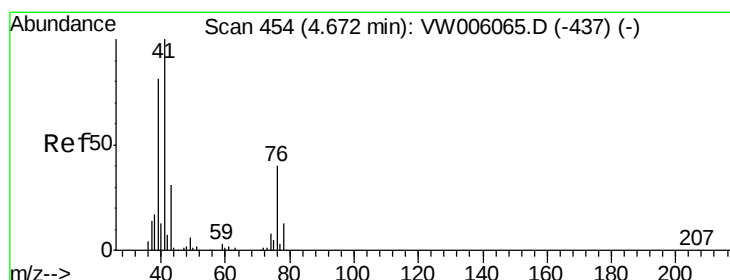
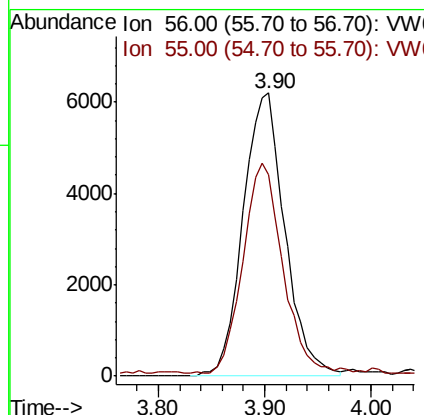
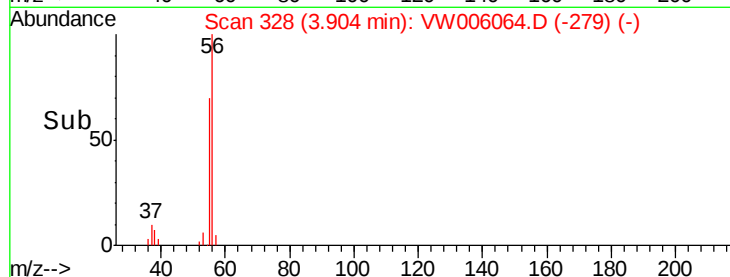
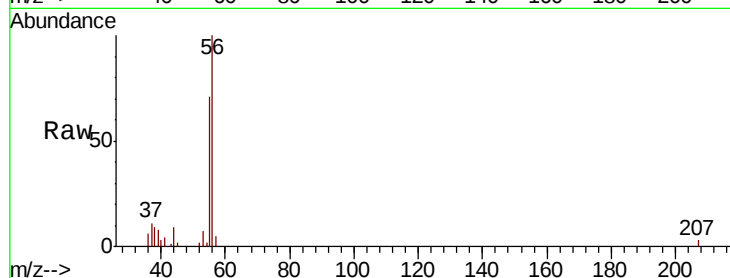
55 71.0 54.5 81.7

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#14

Allyl chloride

Concen: 16.692 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

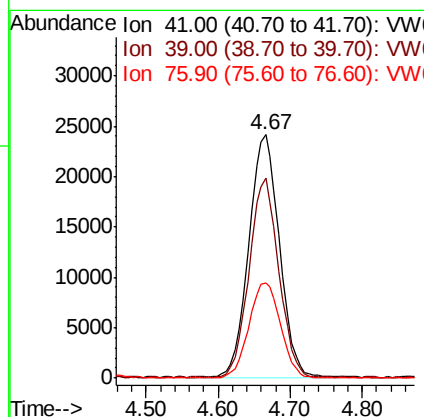
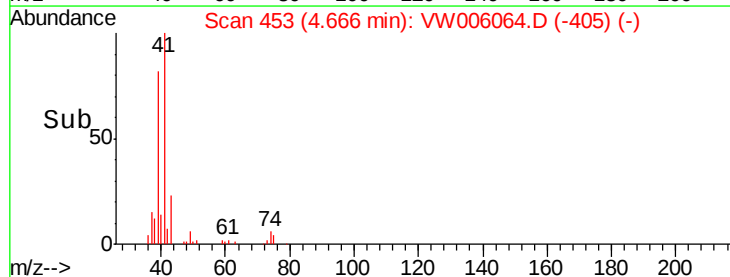
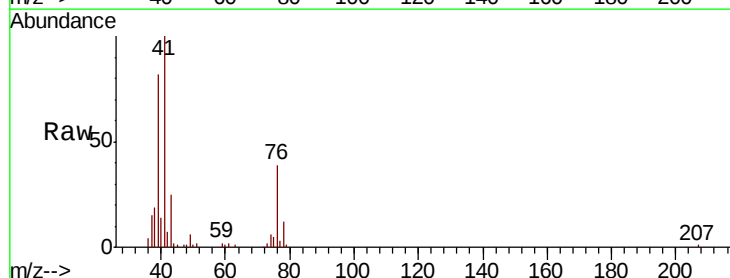
Tgt Ion: 41 Resp: 71327

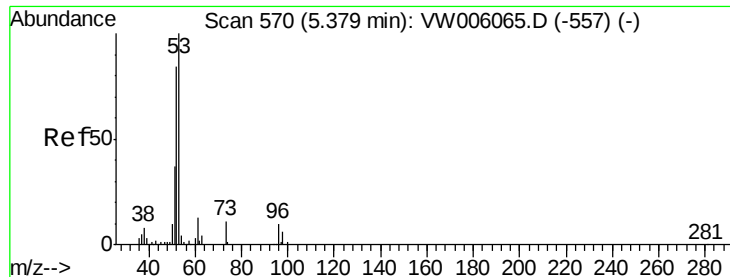
Ion Ratio Lower Upper

41 100

39 79.0 64.1 96.1

76 40.3 32.2 48.4





#15

Acrylonitrile

Concen: 83.813 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

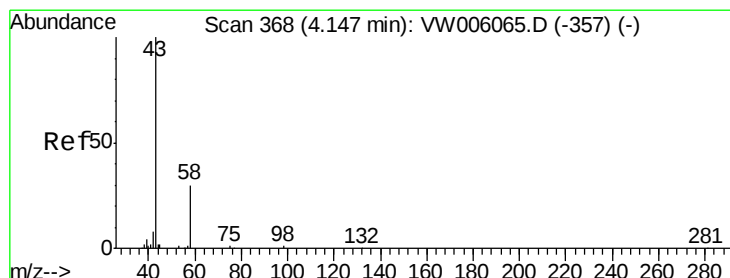
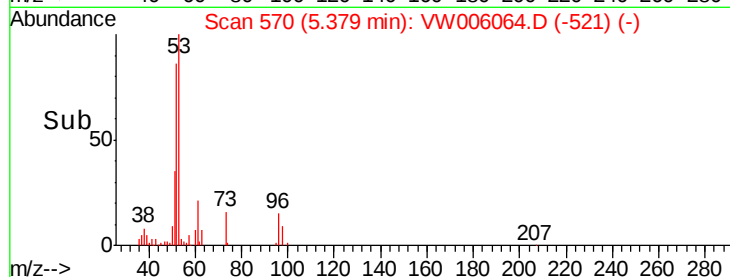
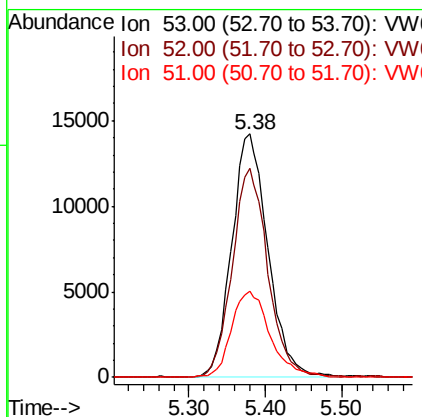
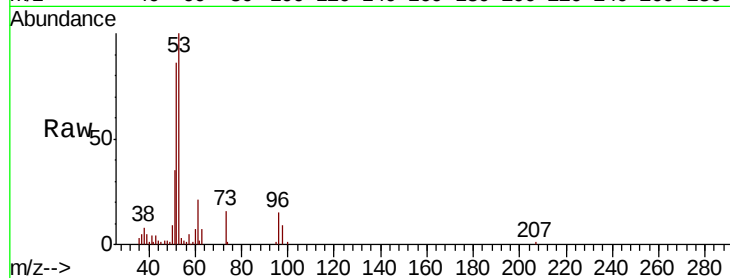
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	46582
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.9	100.3
51	37.9	30.1	45.1

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#16

Acetone

Concen: 101.787 ug/l

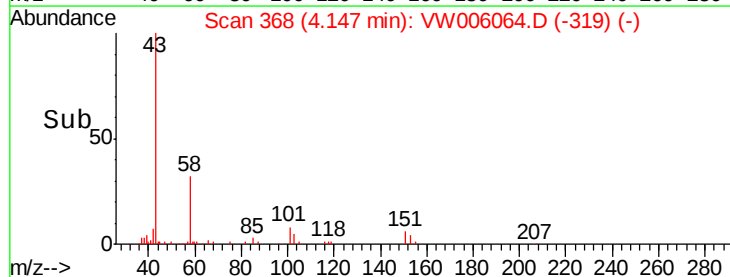
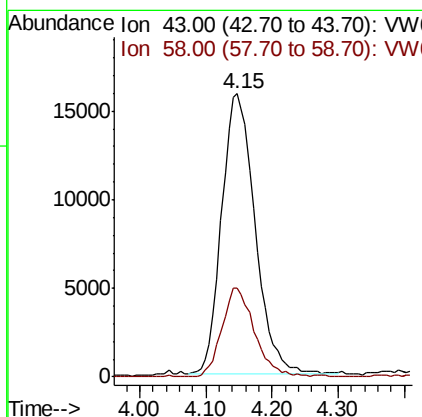
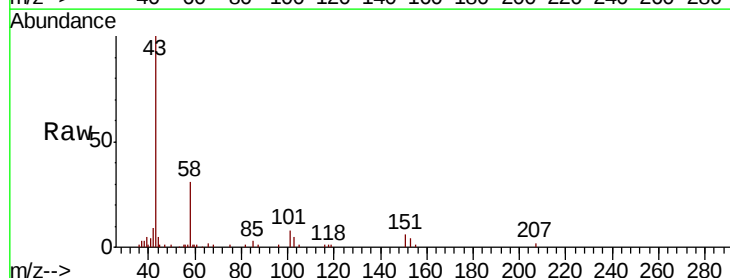
RT: 4.15 min Scan# 368

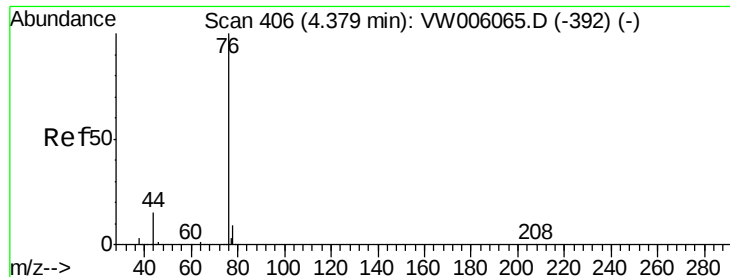
Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Tgt Ion:	43	Resp:	55581
Ion	Ratio	Lower	Upper
43	100		
58	31.7	24.0	36.0





#17

Carbon Disulfide

Concen: 19.279 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 148811

Ion Ratio Lower Upper

76 100

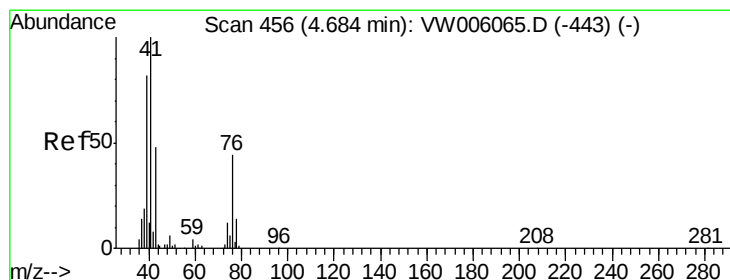
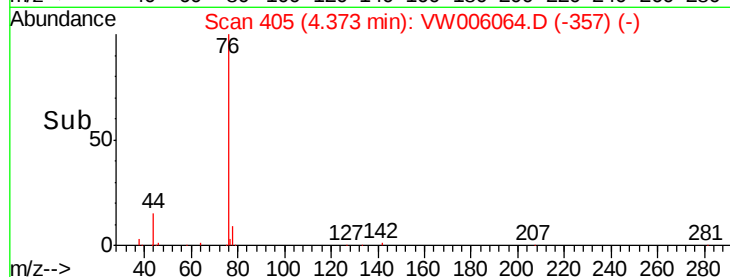
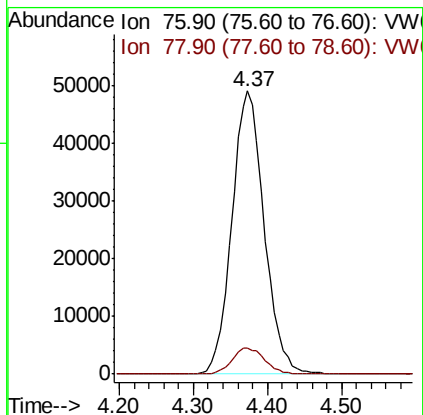
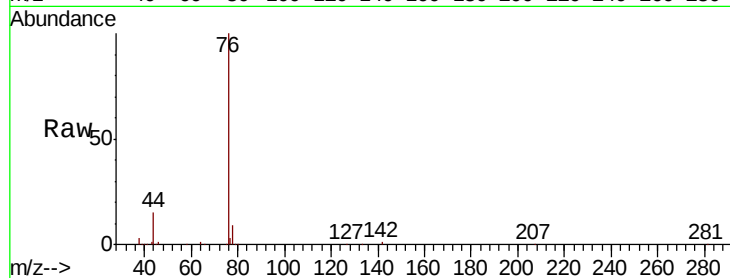
78 9.2 7.5 11.3

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#18

Methyl Acetate

Concen: 16.316 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006064.D

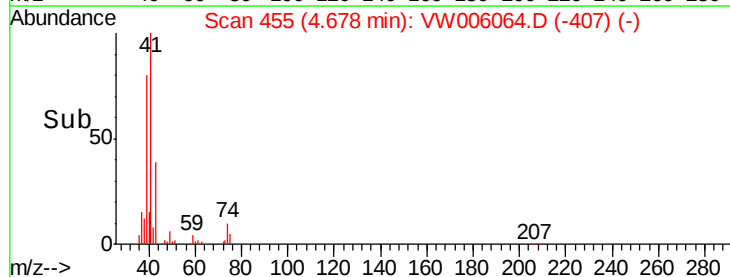
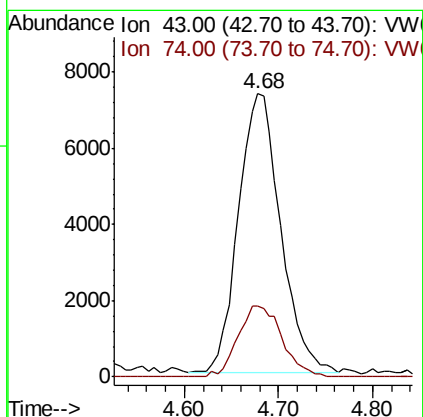
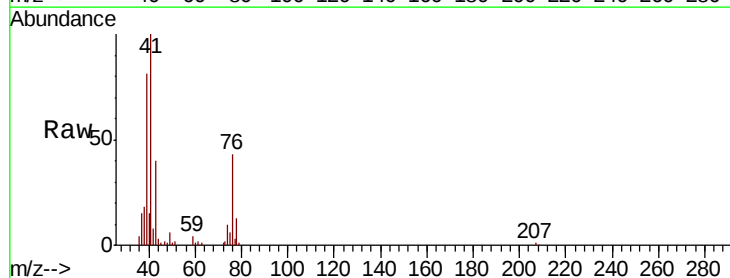
Acq: 15 Oct 2018 17:54

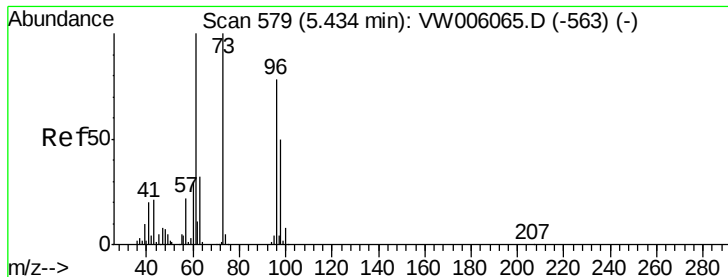
Tgt Ion: 43 Resp: 22825

Ion Ratio Lower Upper

43 100

74 26.6 20.5 30.7





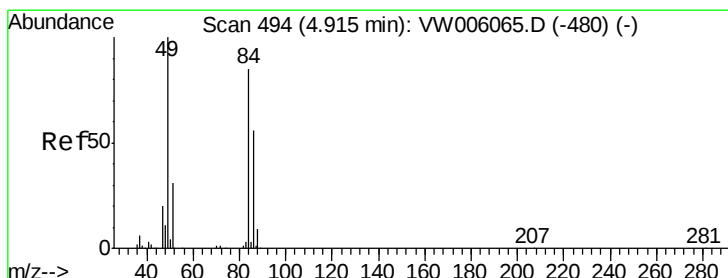
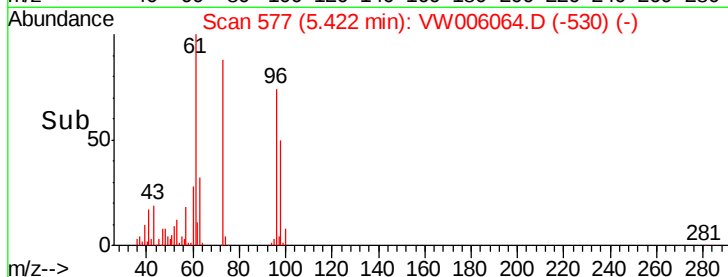
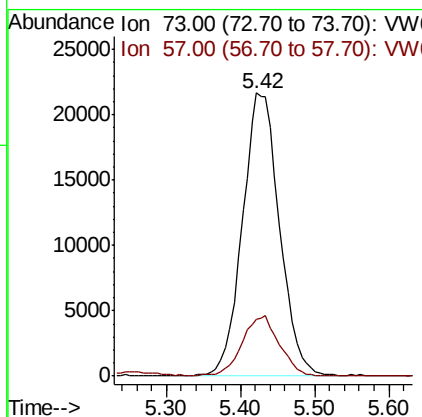
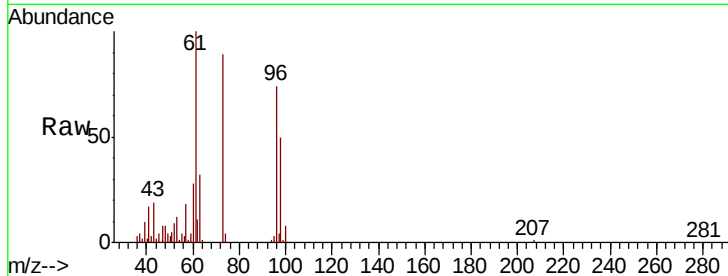
#19
Methyl tert-butyl Ether
Concen: 19.052 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.4	26.2

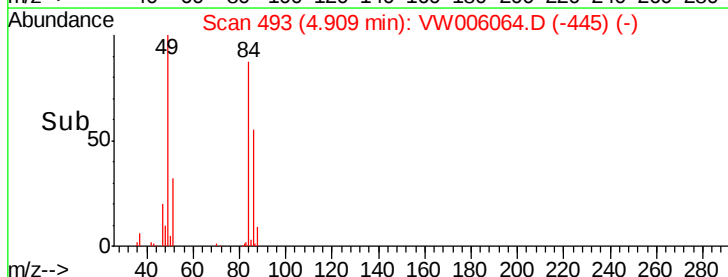
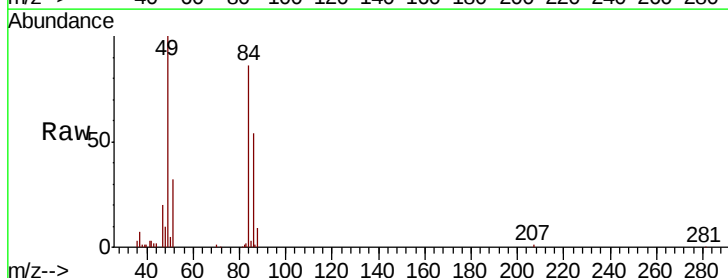
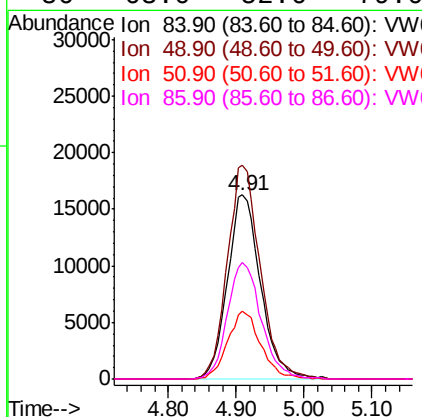
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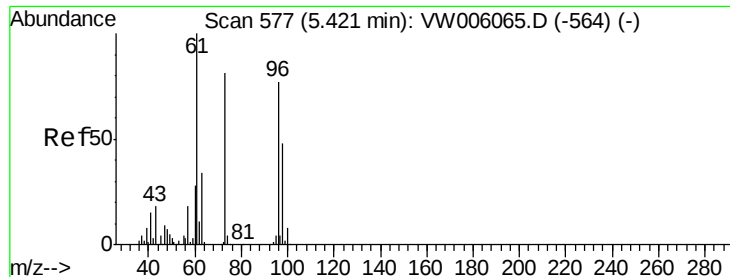
apatel
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#20
Methylene Chloride
Concen: 19.380 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.9	93.6	140.4
51	36.9	29.0	43.4
86	63.0	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 19.955 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

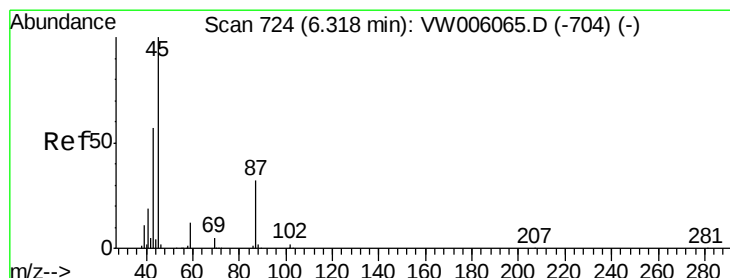
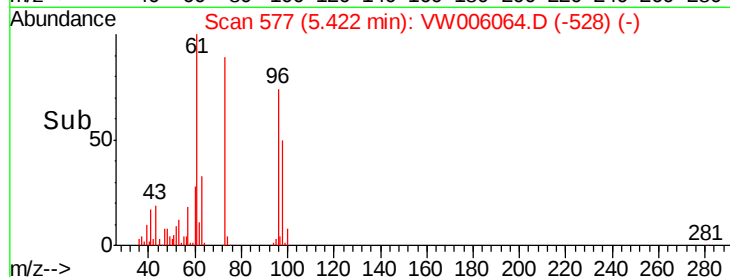
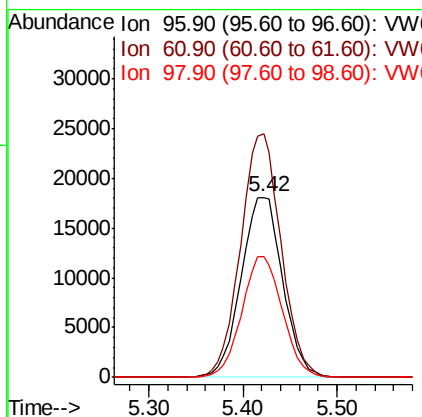
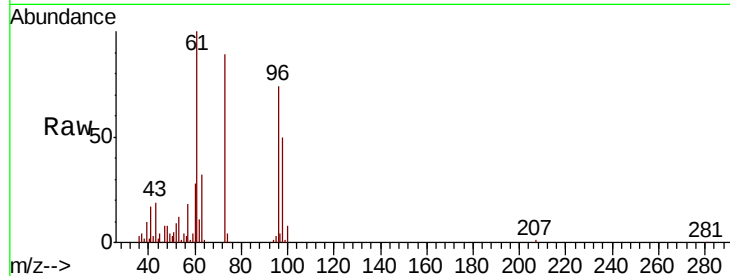
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	55713
Ion	Ratio	Lower	Upper
96	100		
61	135.4	104.5	156.7
98	67.5	50.6	75.8

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#22

Diisopropyl ether

Concen: 17.538 ug/l

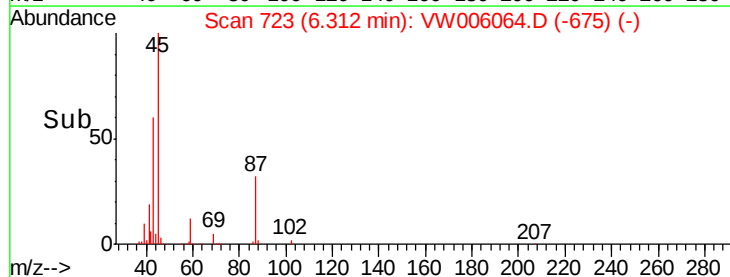
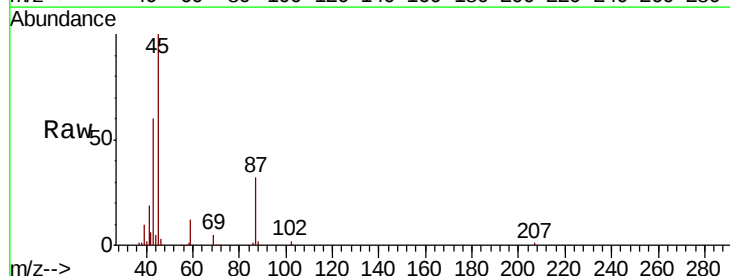
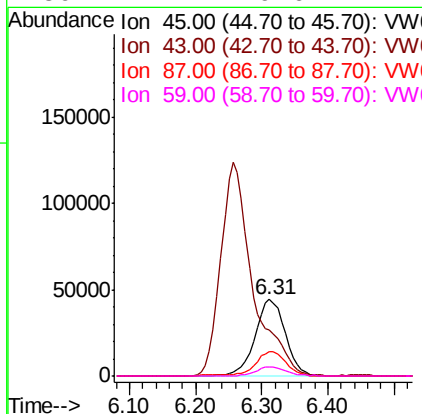
RT: 6.31 min Scan# 723

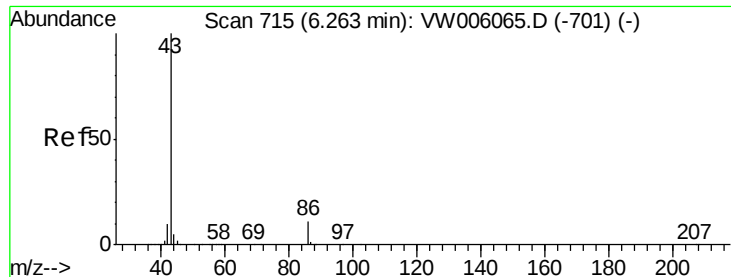
Delta R.T. -0.01 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Tgt Ion:	45	Resp:	140921
Ion	Ratio	Lower	Upper
45	100		
43	59.6	45.7	68.5
87	31.8	25.9	38.9
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 84.446 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Tot Ion: 43 Resp: 414405

Ion Ratio Lower Upper

43 100

86 11.5 9.0 13.6

Instrument :

MSVOA_W

ClientSampleId :

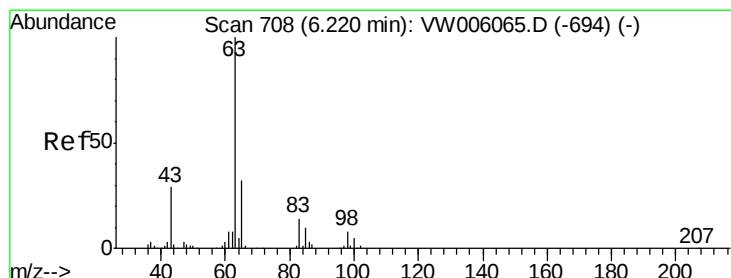
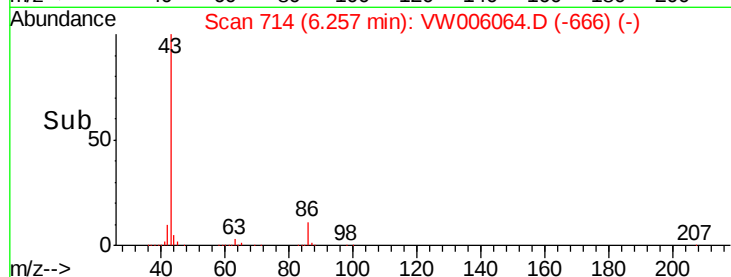
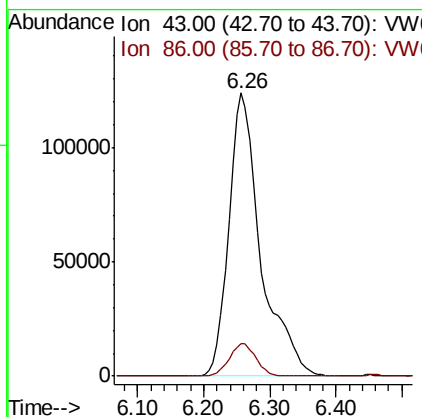
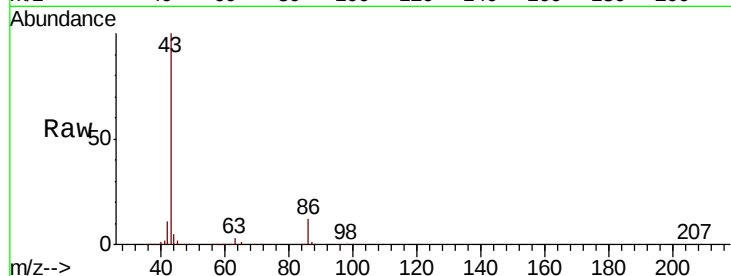
VSTDIC020

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#24

1,1-Dichloroethane

Concen: 18.491 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

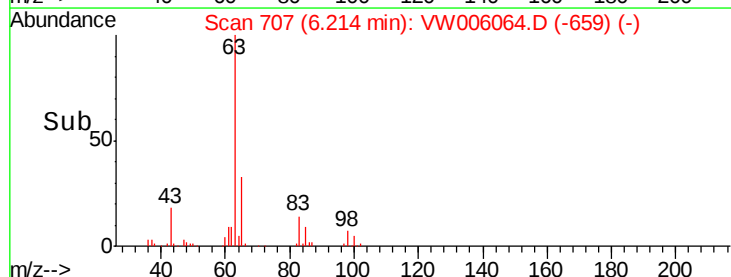
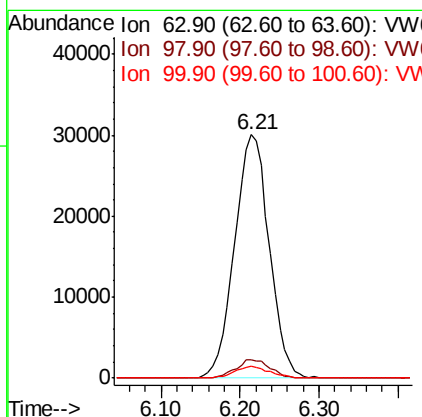
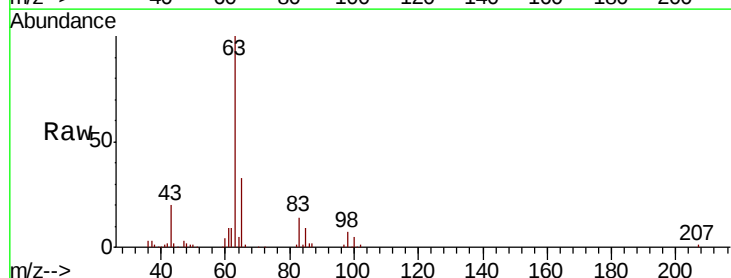
Tgt Ion: 63 Resp: 91645

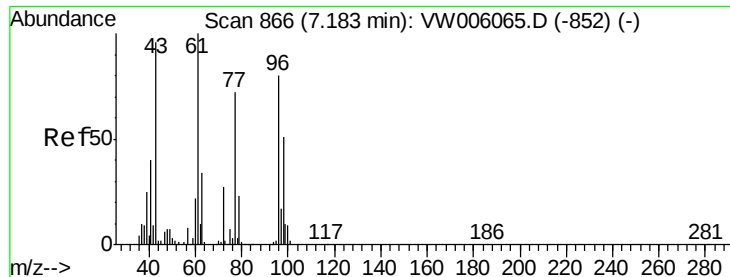
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 5.1 2.5 7.5





#25

2-Butanone

Concen: 87.346 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 68236

Ion Ratio Lower Upper

43 100

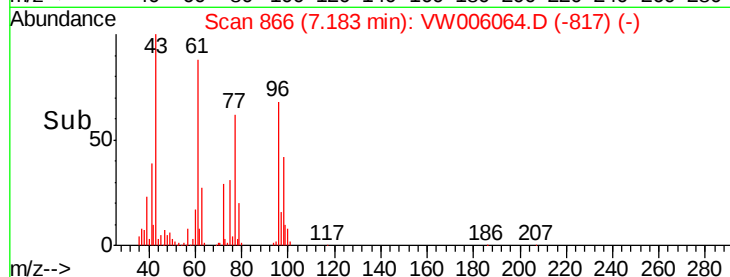
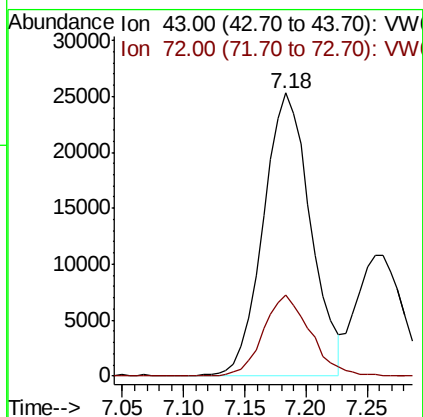
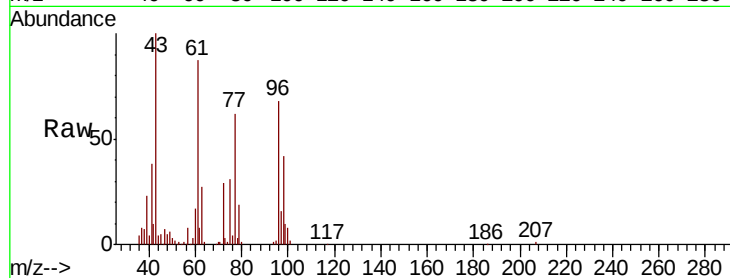
72 28.7 22.8 34.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.419 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006064.D

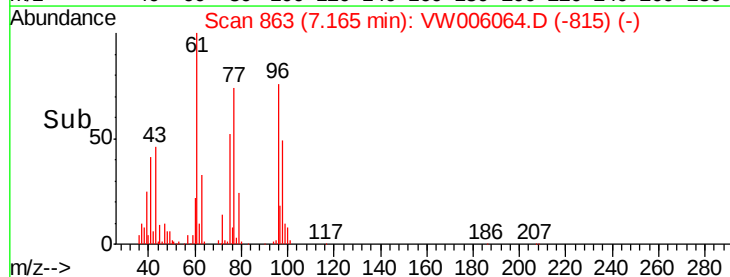
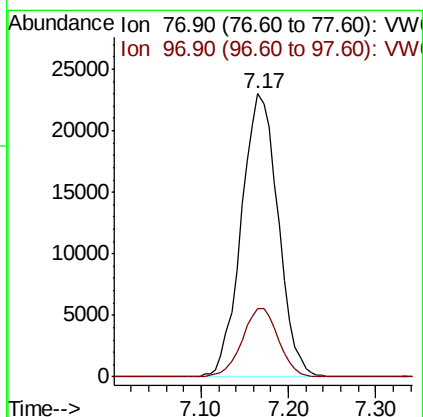
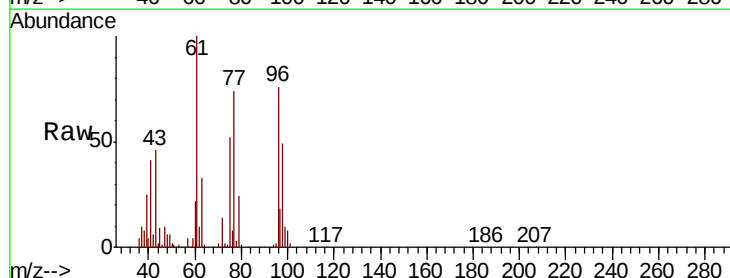
Acq: 15 Oct 2018 17:54

Tgt Ion: 77 Resp: 67316

Ion Ratio Lower Upper

77 100

97 23.8 12.2 36.4





#27

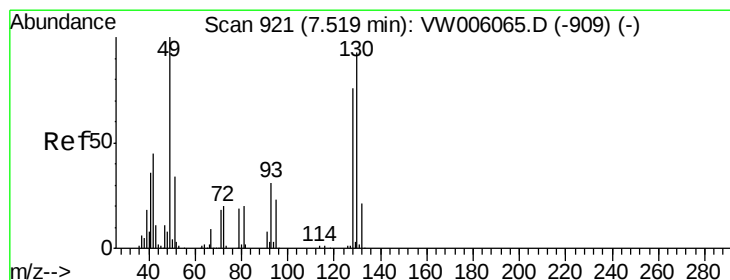
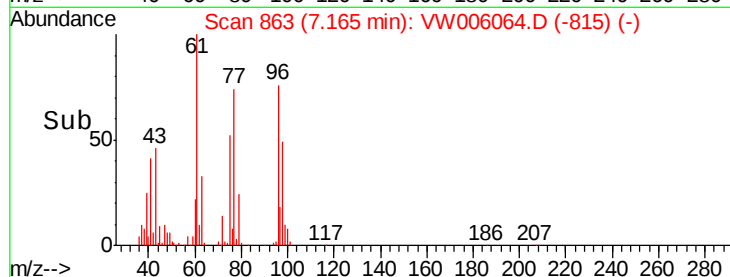
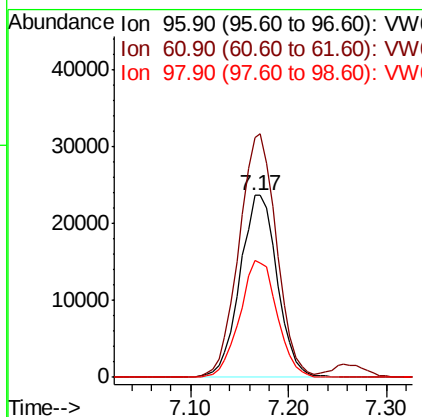
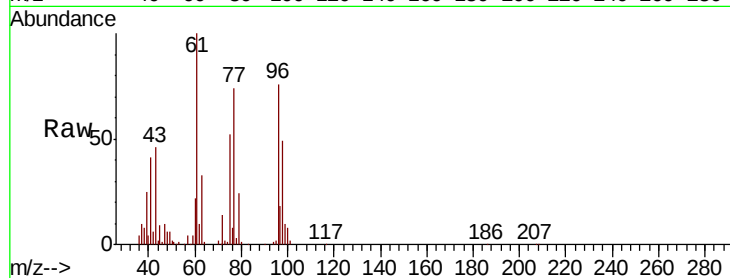
cis-1,2-Dichloroethene
 Concen: 19.898 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	267.2
98	64.2	0.0	128.6

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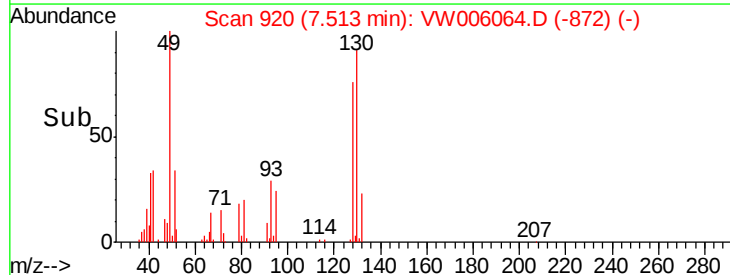
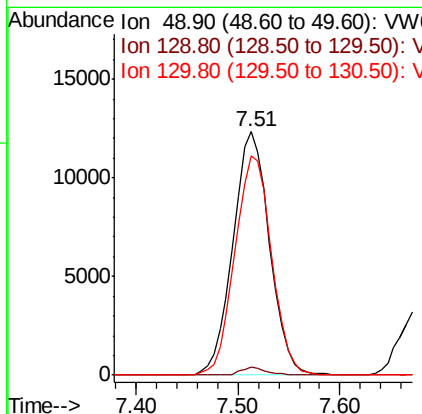
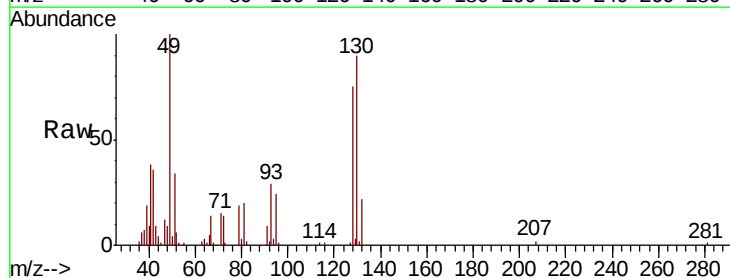
apatel
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#28

Bromochloromethane
 Concen: 16.355 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.0
130	90.2	73.8	110.8





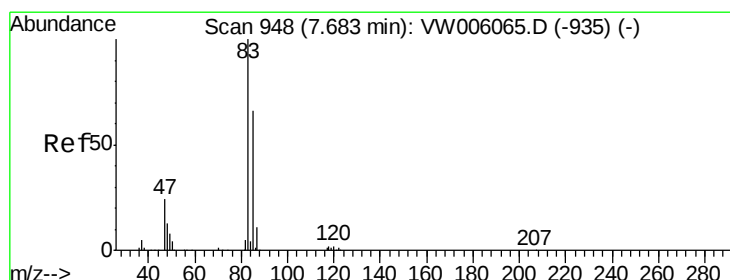
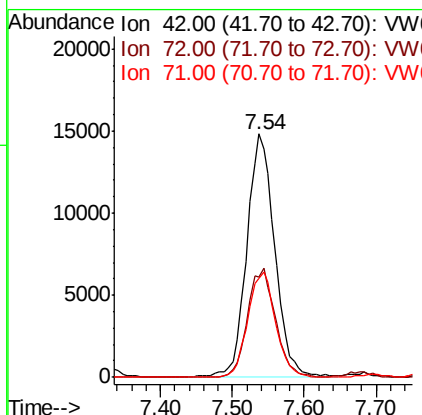
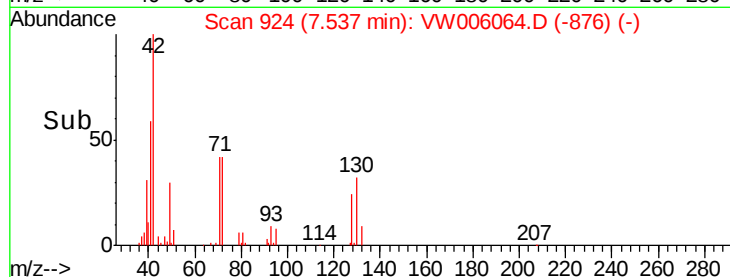
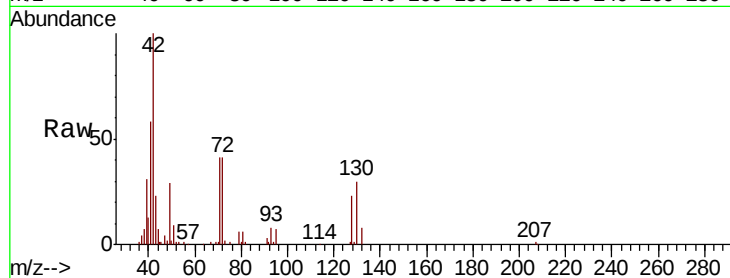
#29
Tetrahydrofuran
Concen: 80.991 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	38.0	57.0
71	42.9	35.3	52.9

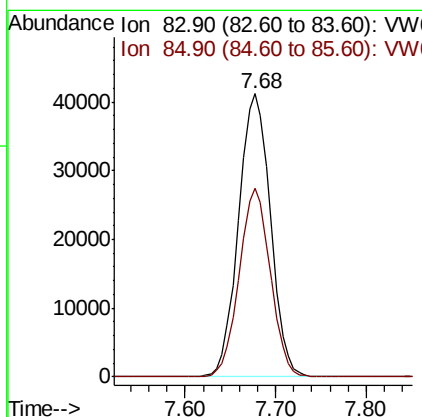
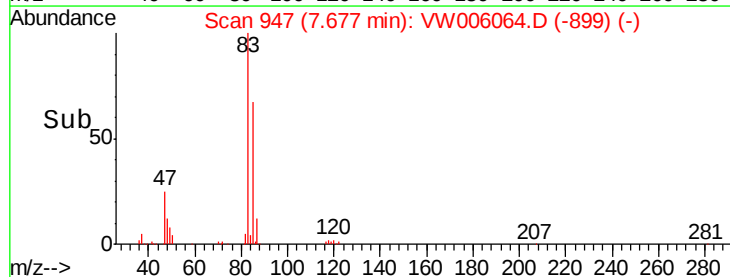
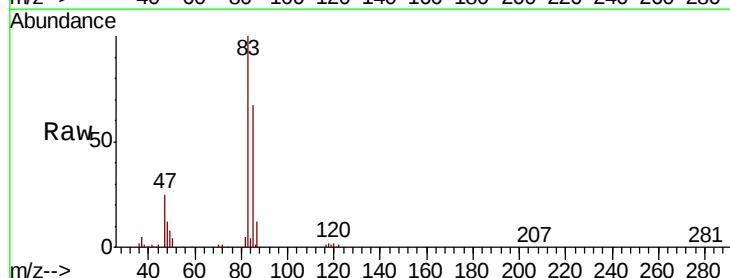
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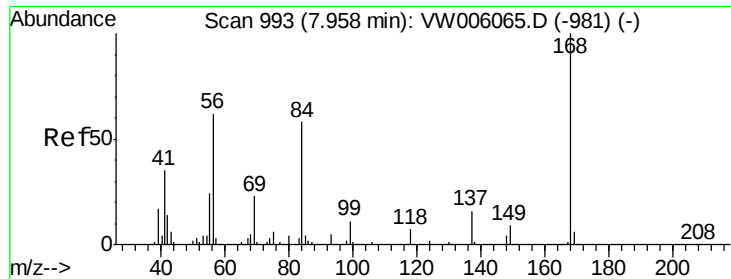
apatel
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#30
Chloroform
Concen: 19.608 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.6	79.0





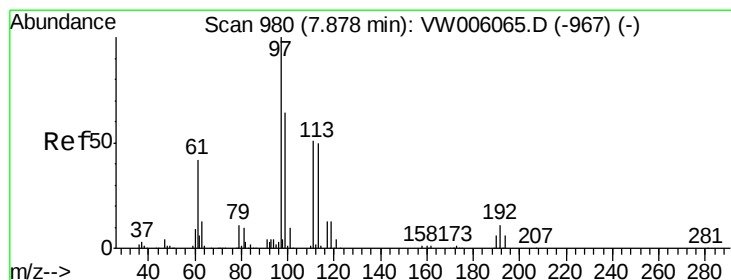
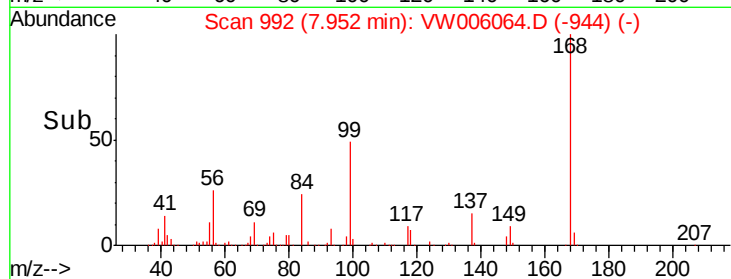
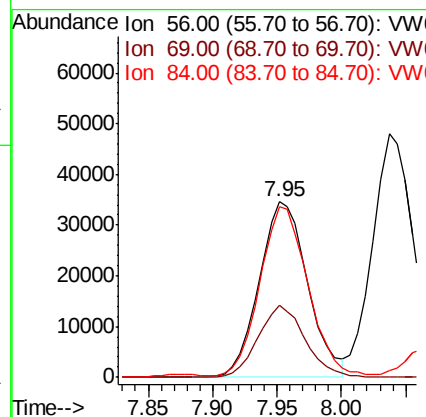
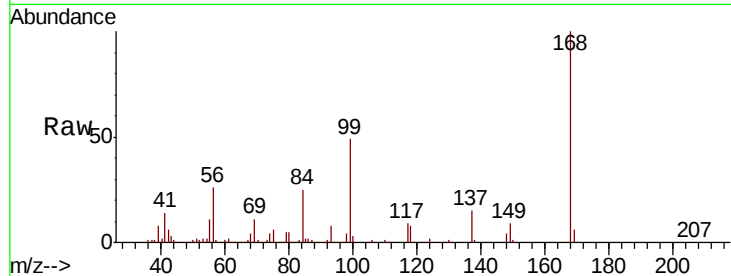
#31
Cyclohexane
Concen: 18.461 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.7	29.4	44.0
84	95.4	74.0	111.0

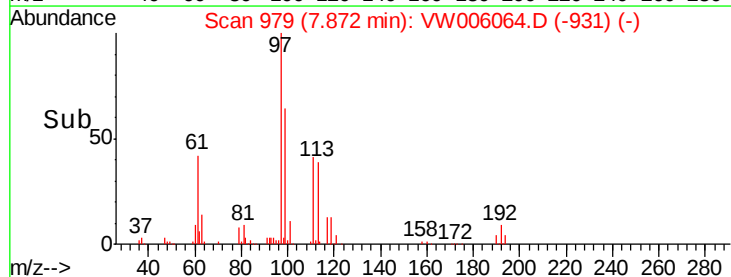
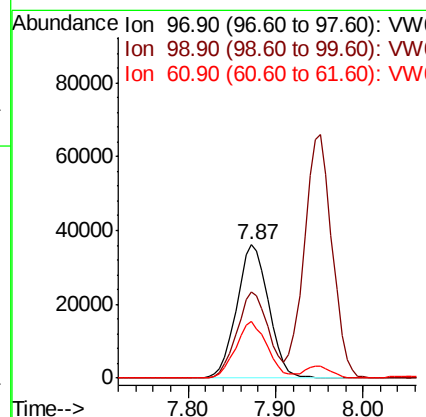
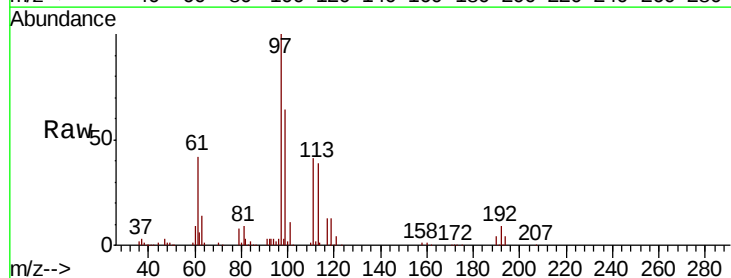
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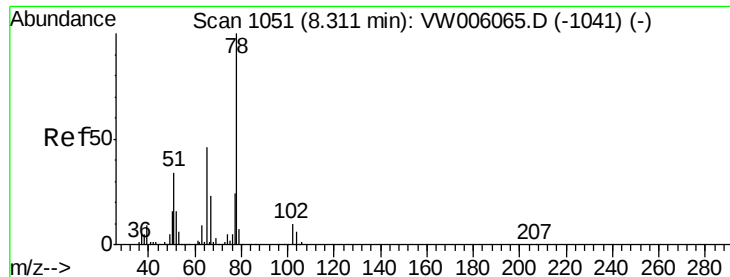
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#32
1,1,1-Trichloroethane
Concen: 20.042 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.9	76.3
61	41.8	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 17.591 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 49068

Ion Ratio Lower Upper

65 100

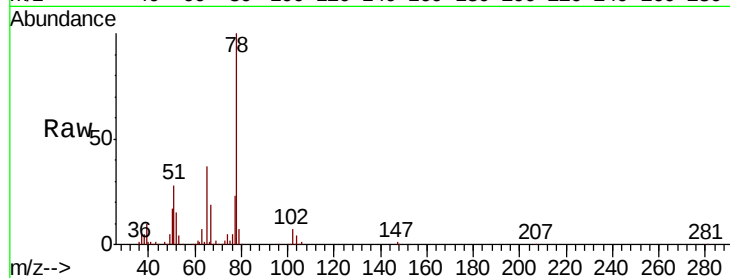
67 50.8 0.0 101.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

25000

20000

15000

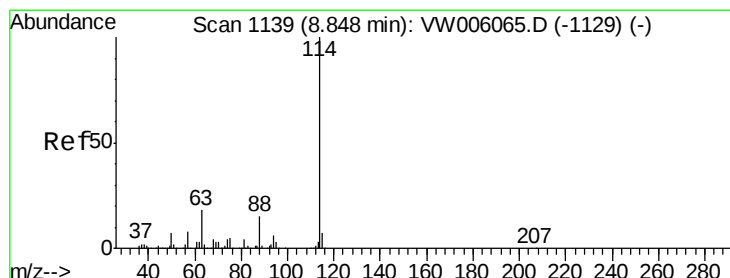
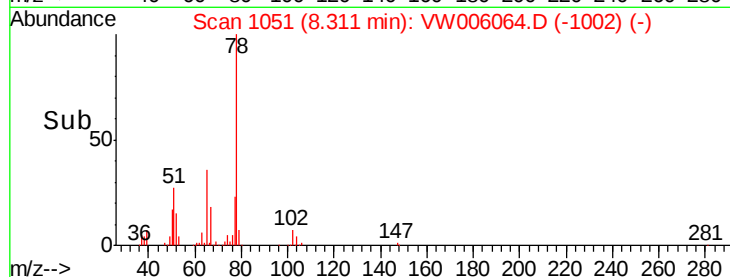
10000

5000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

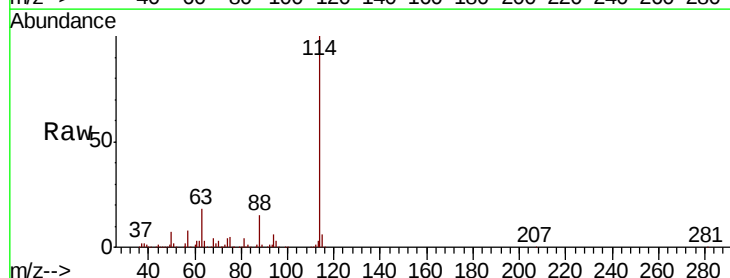
Tgt Ion: 114 Resp: 419976

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

88 14.6 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

250000

200000

150000

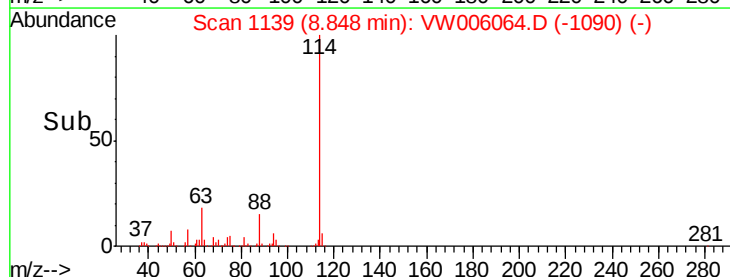
100000

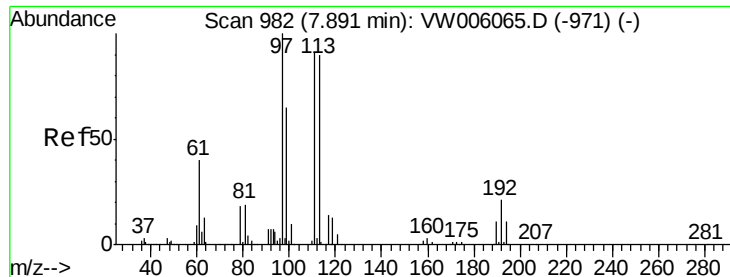
50000

0

8.80 8.90

Time-->





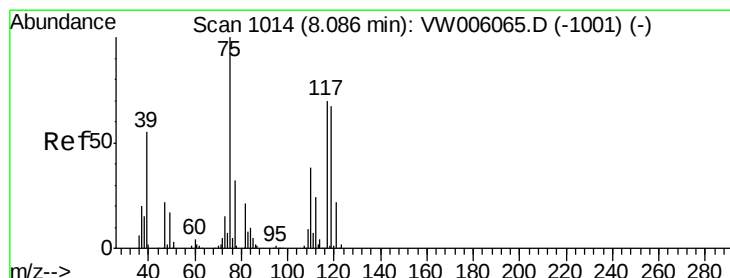
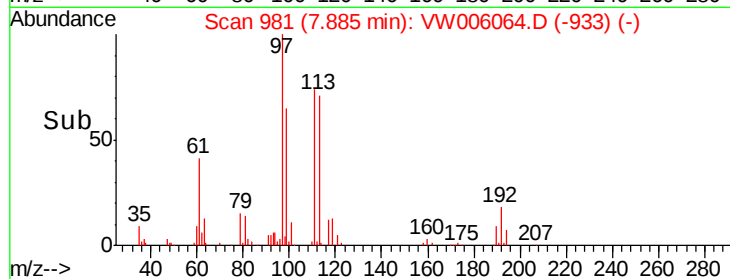
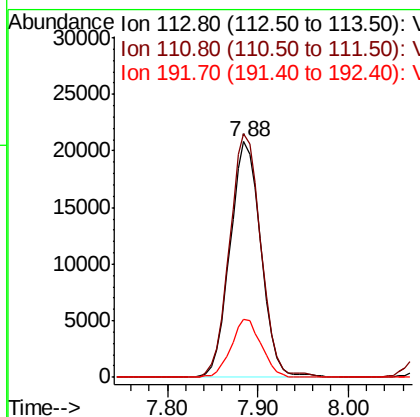
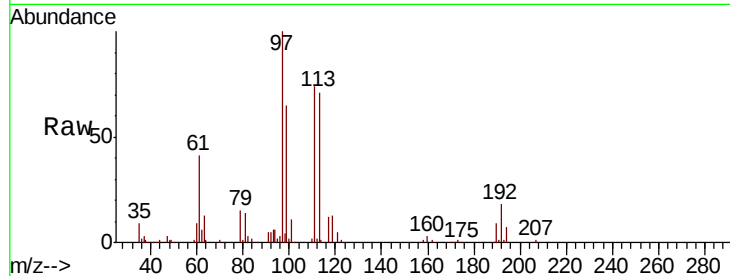
#35
 Dibromofluoromethane
 Concen: 18.618 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.0
192	24.0	18.7	28.1

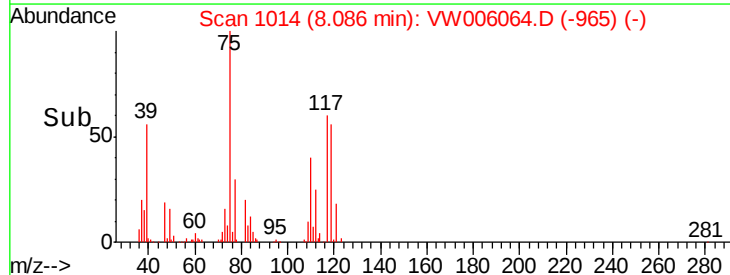
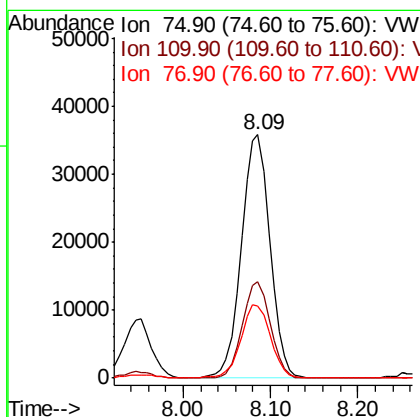
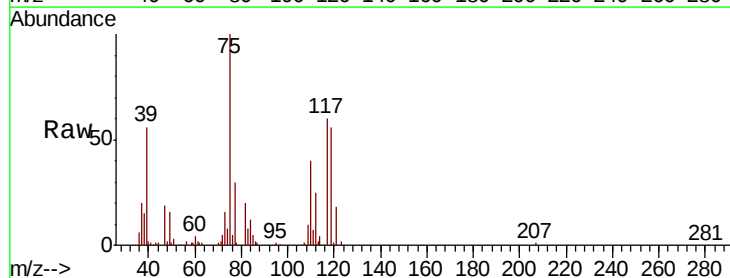
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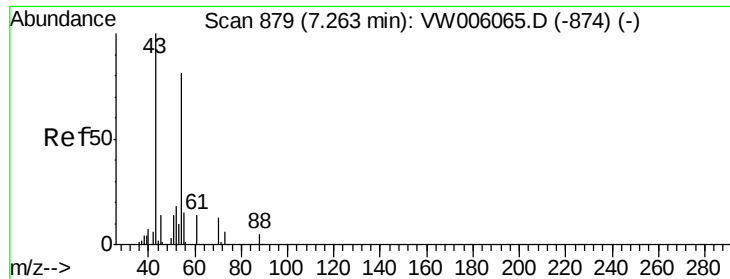
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#36
 1,1-Dichloropropene
 Concen: 20.519 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.1	57.1
77	31.1	25.0	37.4





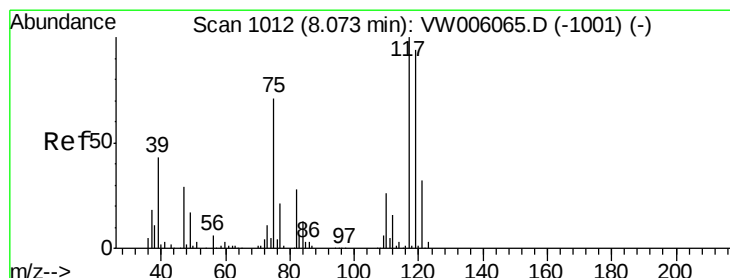
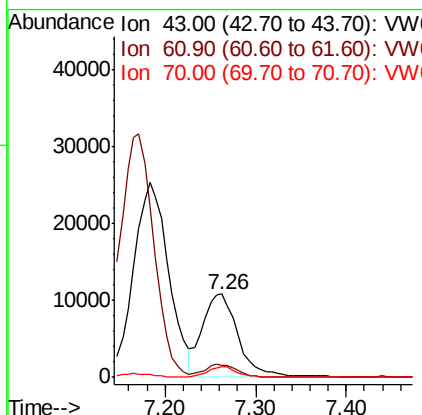
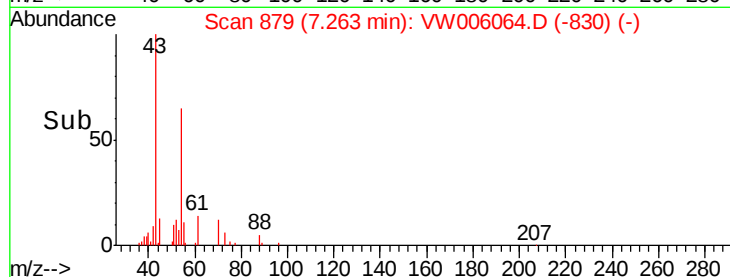
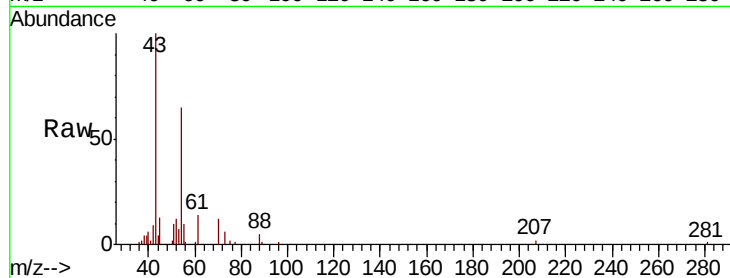
#37
Ethyl Acetate
Concen: 18.280 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	10.7	9.2	13.8

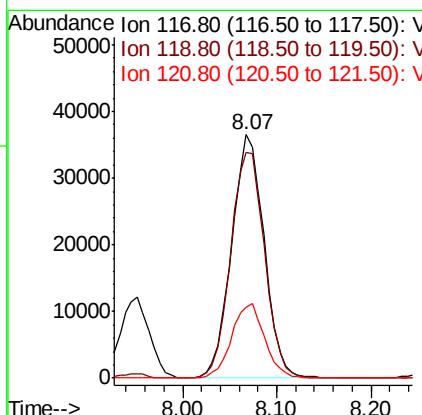
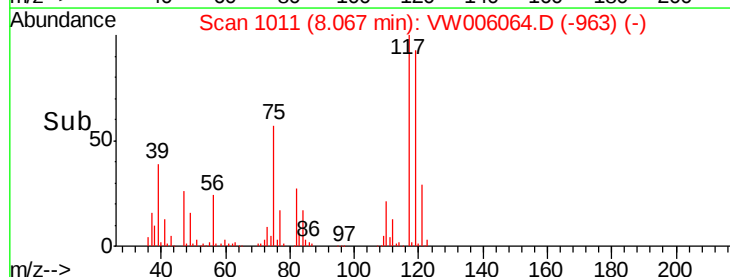
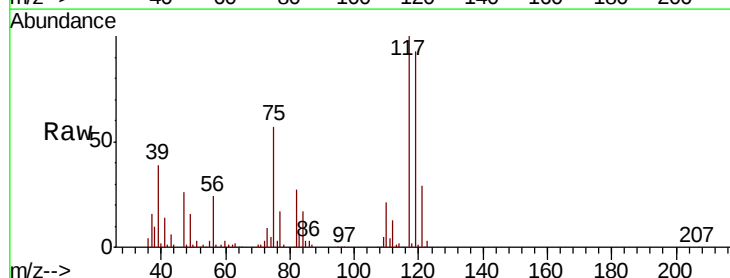
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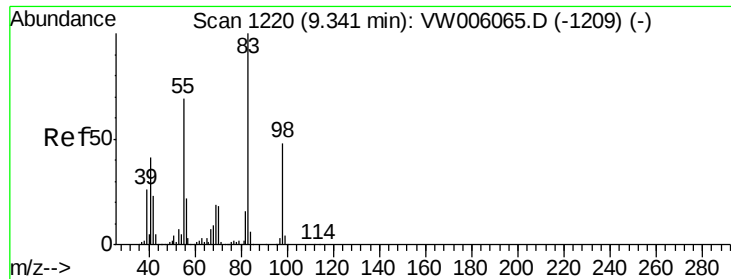
apatel
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#38
Carbon Tetrachloride
Concen: 20.510 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.2	112.8
121	29.1	25.3	37.9





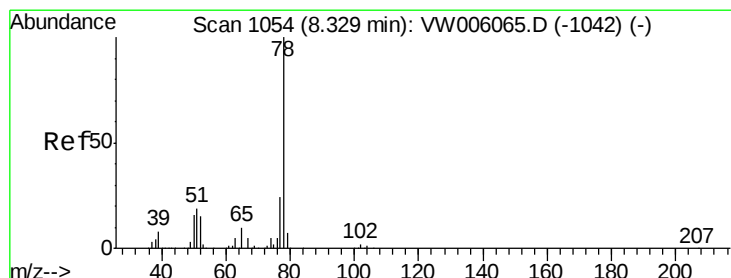
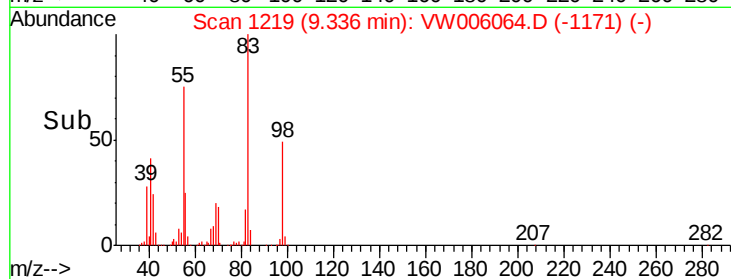
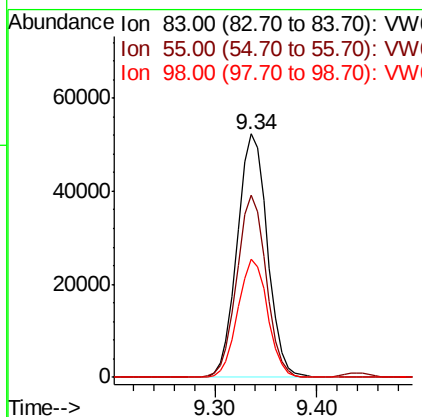
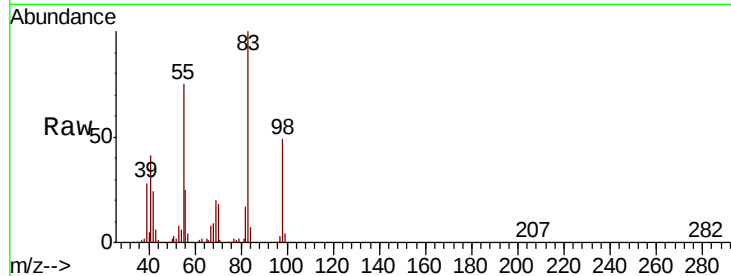
#39
Methylcyclohexane
Concen: 20.504 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	55.0	82.6
98	48.6	38.6	57.8

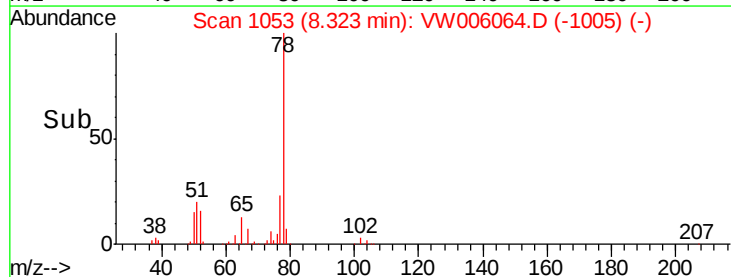
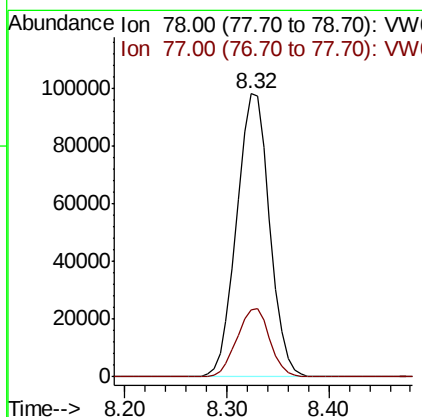
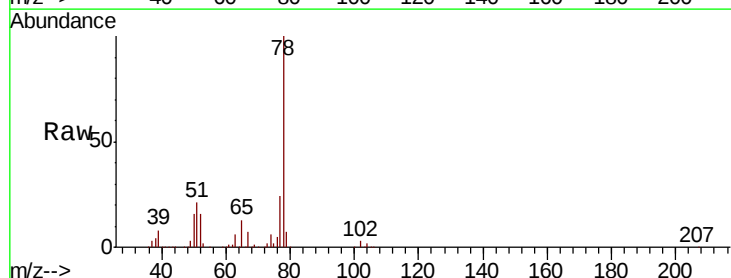
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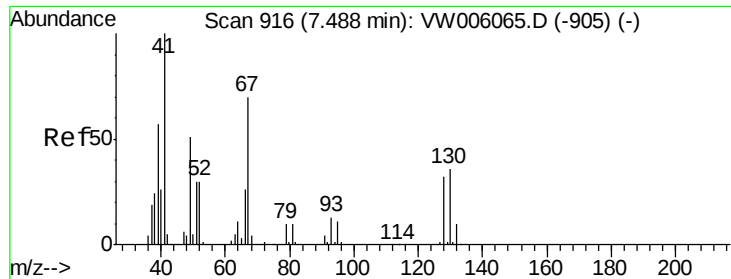
apatel
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#40
Benzene
Concen: 20.271 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0





#41

Methacrylonitrile

Concen: 17.306 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 18026

Ion Ratio Lower Upper

41 100

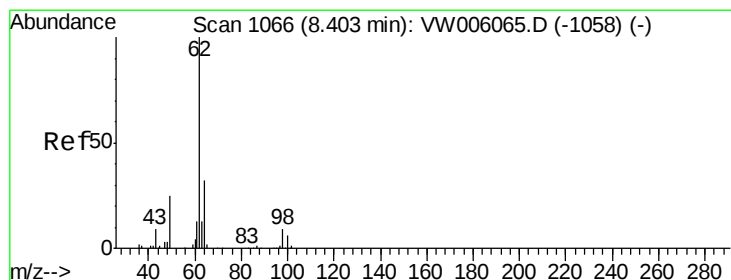
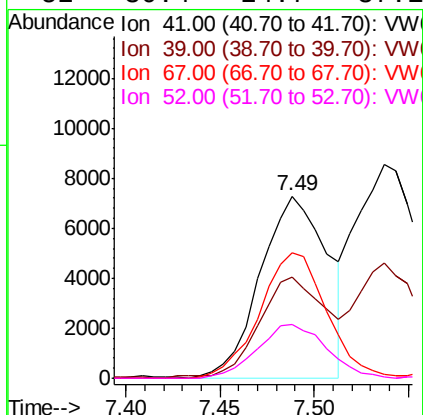
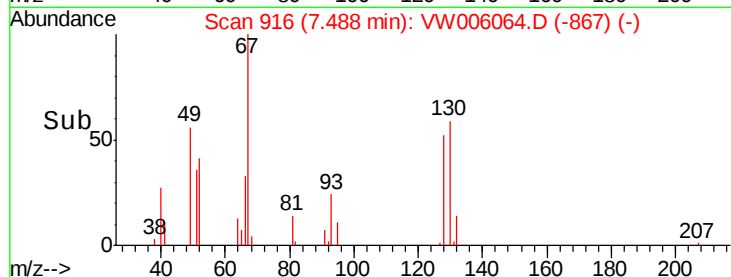
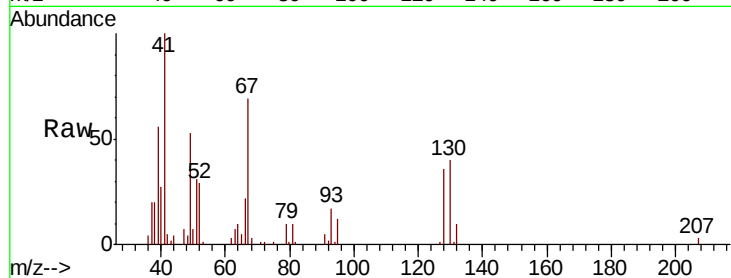
39 55.5 46.2 69.4

67 69.3 57.7 86.5

52 30.4 24.7 37.1

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#42

1,2-Dichloroethane

Concen: 19.394 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006064.D

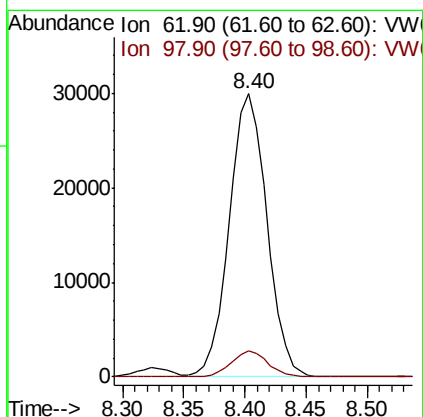
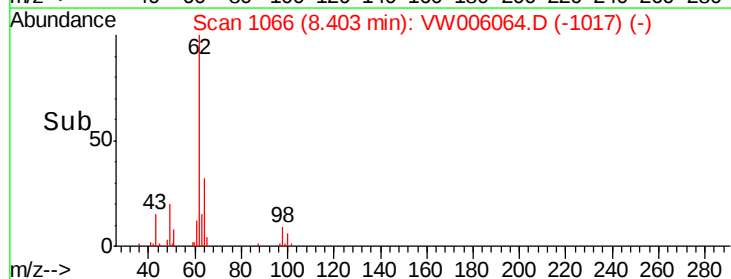
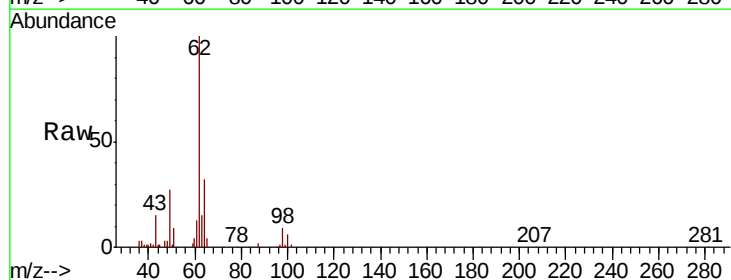
Acq: 15 Oct 2018 17:54

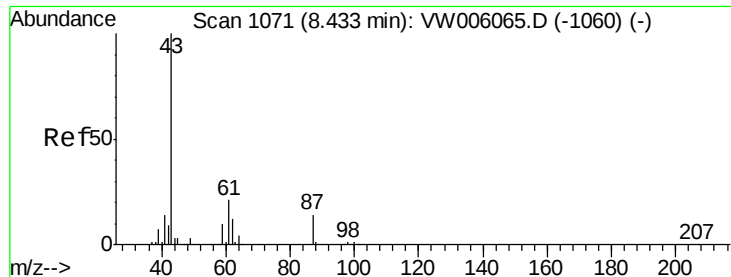
Tgt Ion: 62 Resp: 63710

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 17.115 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

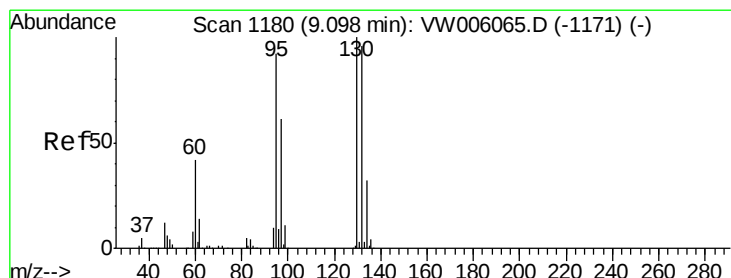
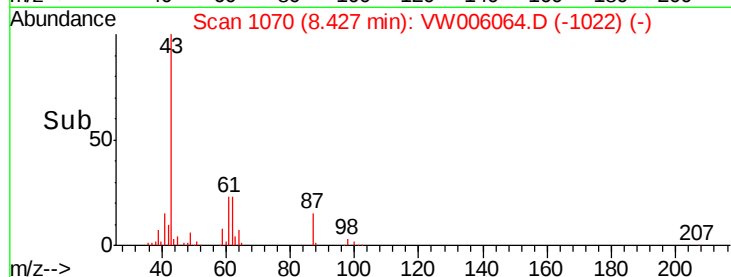
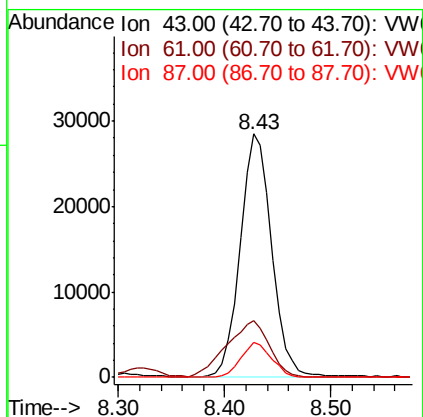
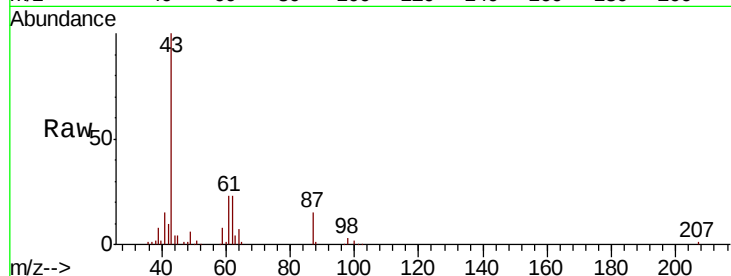
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	58860
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.5	38.3
87	14.2	11.7	17.5

Manual Integrations
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#44

Trichloroethene

Concen: 21.545 ug/l

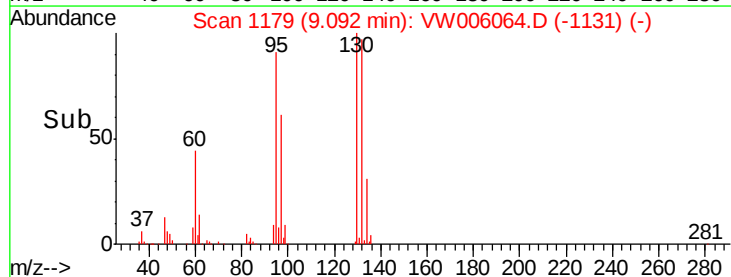
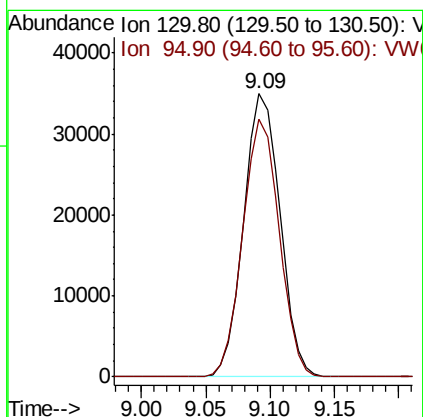
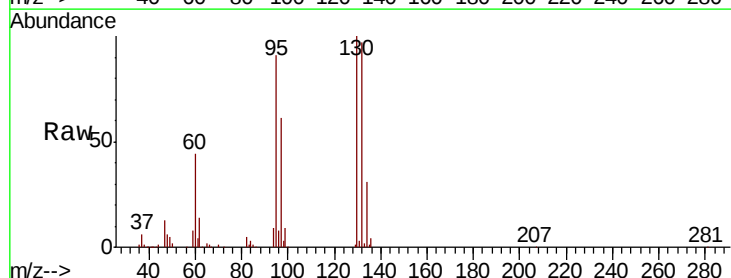
RT: 9.09 min Scan# 1179

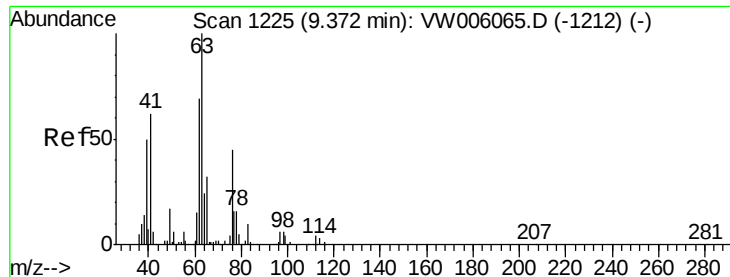
Delta R.T. -0.01 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Tgt Ion:	130	Resp:	68413
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	183.2





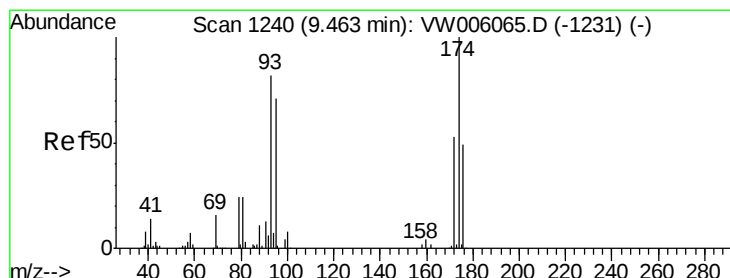
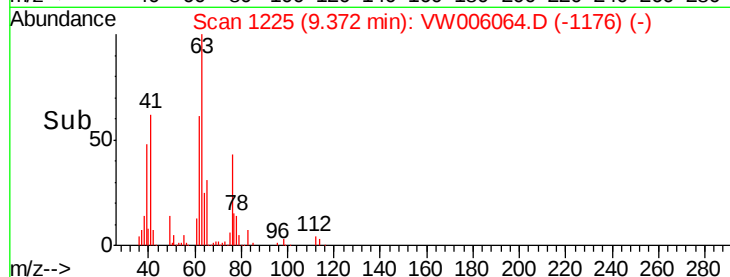
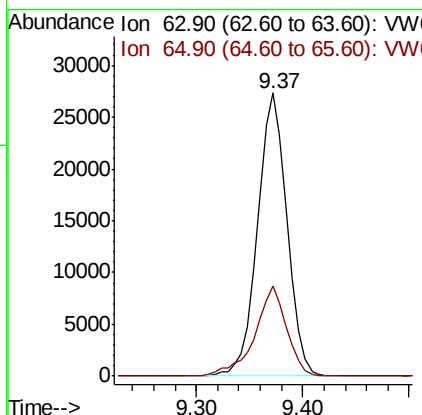
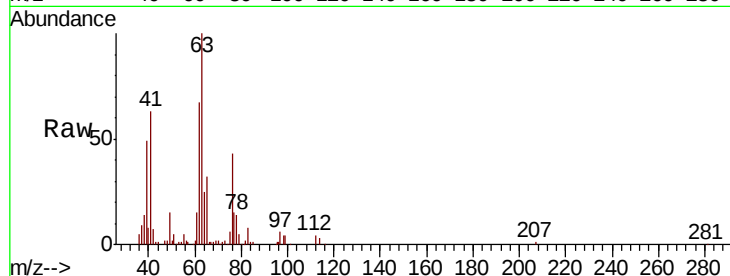
#45
 1,2-Dichloropropane
 Concen: 19.559 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.4	38.0

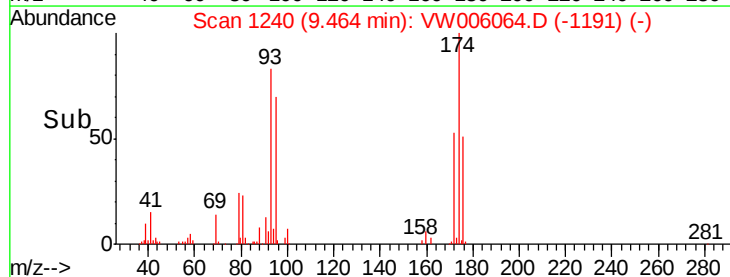
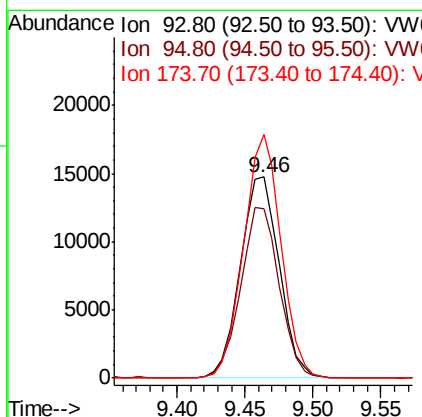
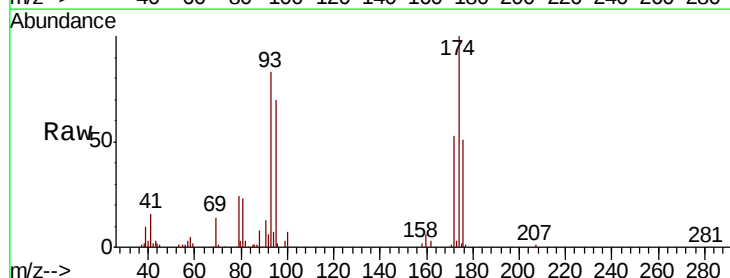
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#46
 Dibromomethane
 Concen: 19.694 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	67.7	101.5
174	116.9	93.7	140.5





#47

Bromodichloromethane

Concen: 19.050 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

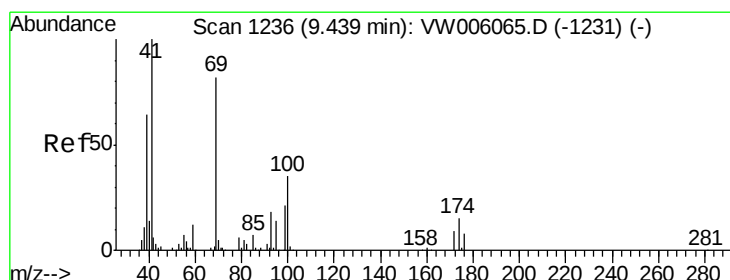
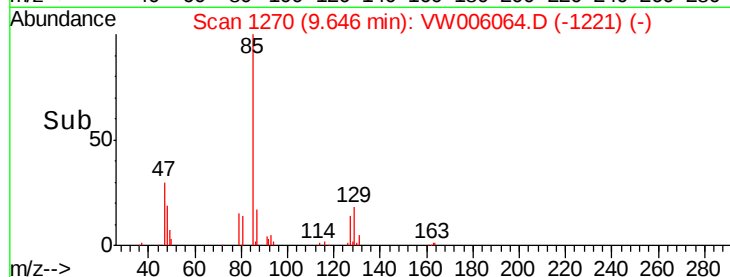
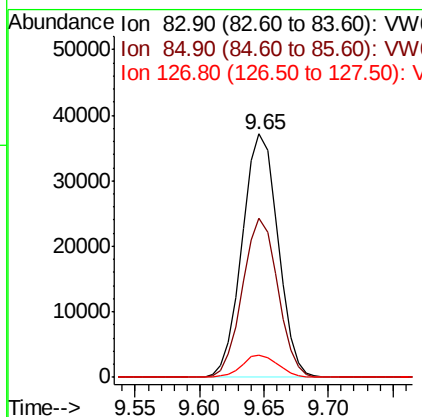
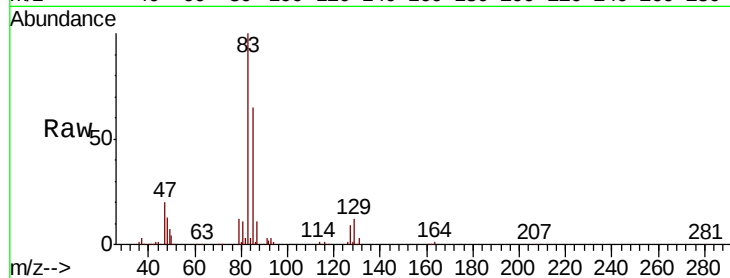
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	71585
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.8	77.8
127	9.3	6.9	10.3

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#48

Methyl methacrylate

Concen: 16.572 ug/l

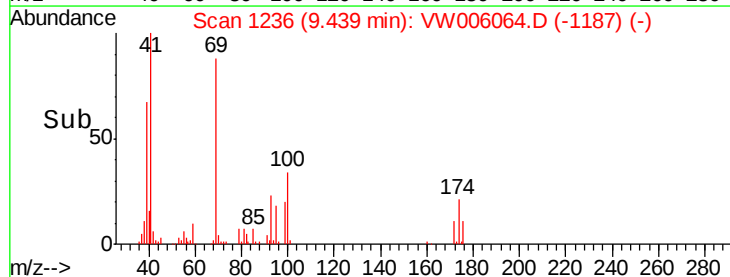
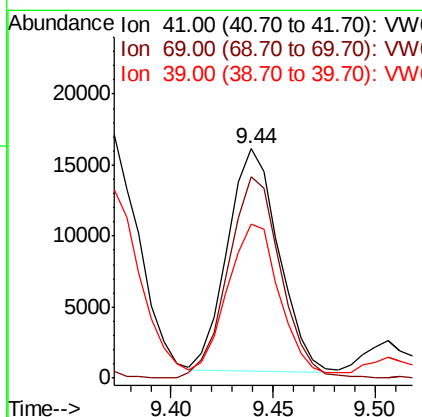
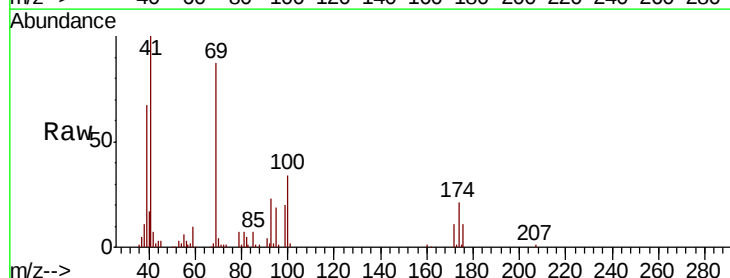
RT: 9.44 min Scan# 1236

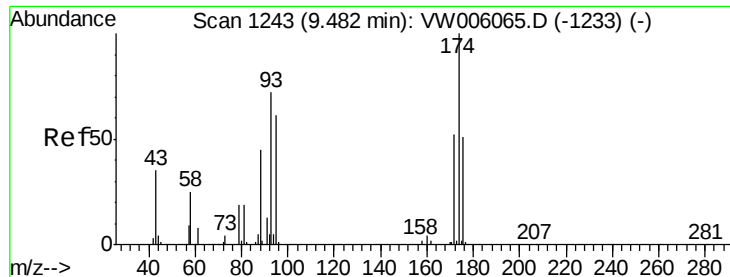
Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Tgt Ion:	41	Resp:	27223
Ion Ratio	Lower	Upper	
41	100		
69	93.7	71.8	107.8
39	67.1	52.5	78.7





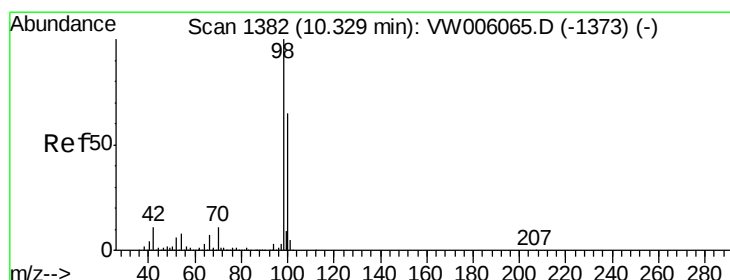
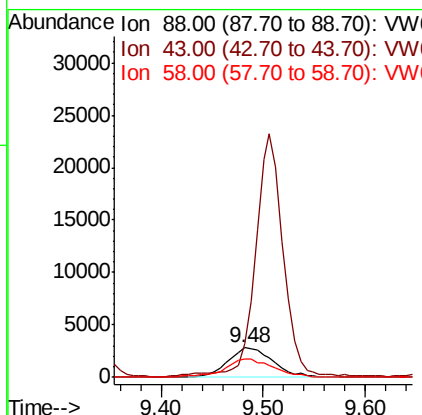
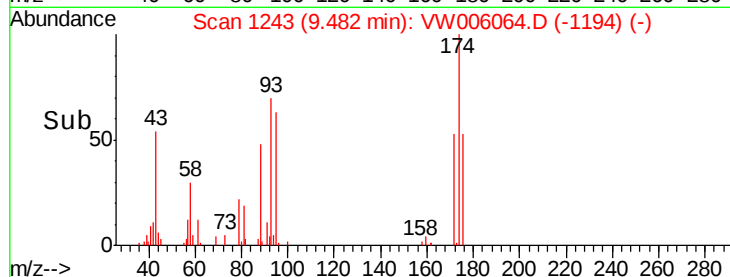
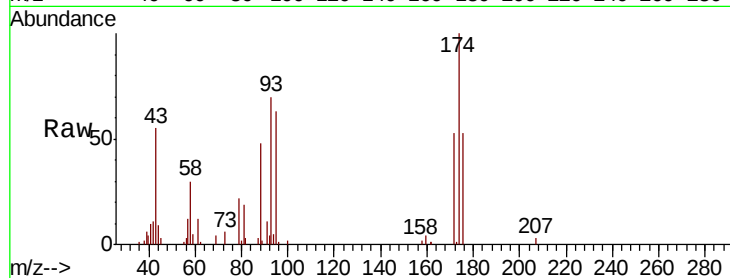
#49
1,4-Dioxane
Concen: 373.794 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	67.1	51.2	76.8

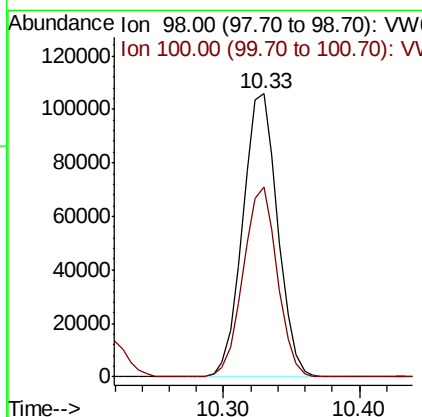
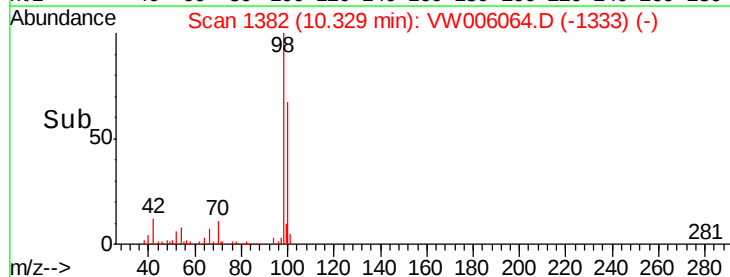
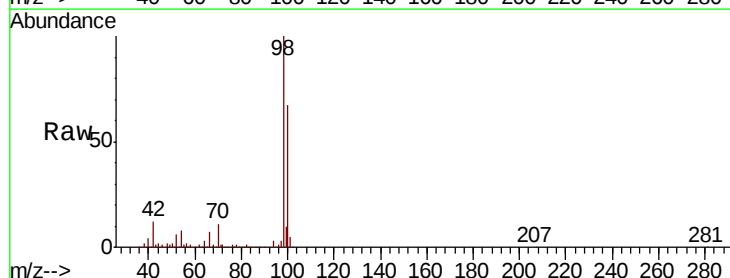
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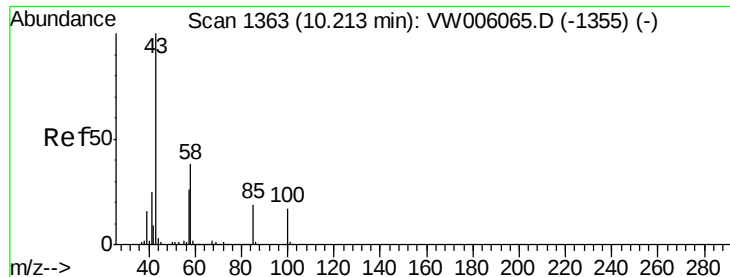
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#50
Toluene-d8
Concen: 18.697 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 87.155 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 146640

Ion Ratio Lower Upper

43 100

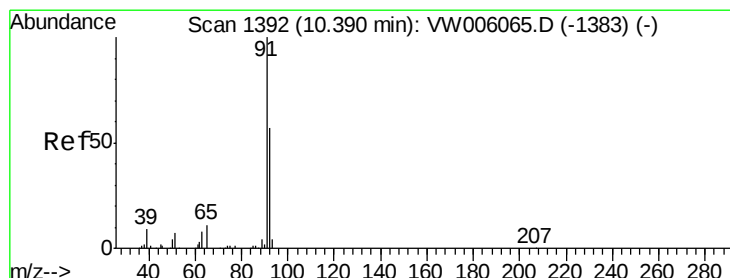
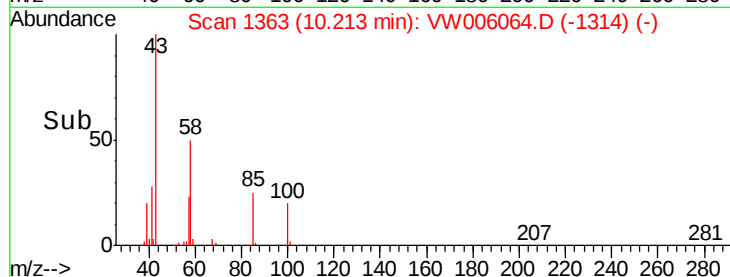
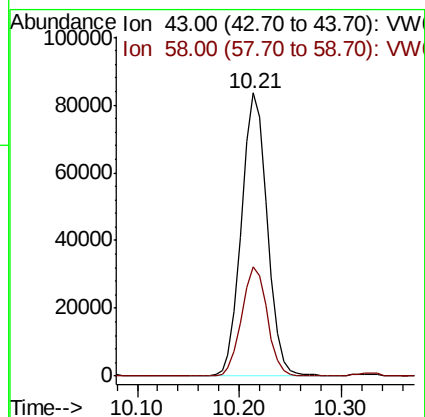
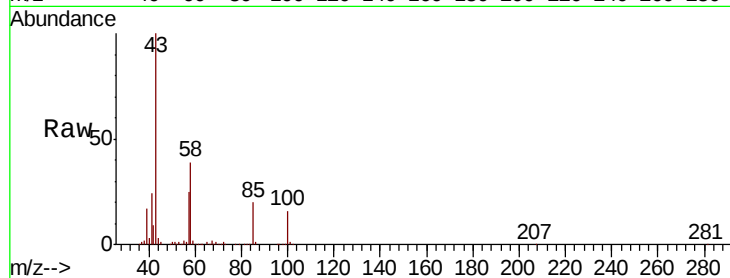
58 38.5 31.5 47.3

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#52

Toluene

Concen: 20.478 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006064.D

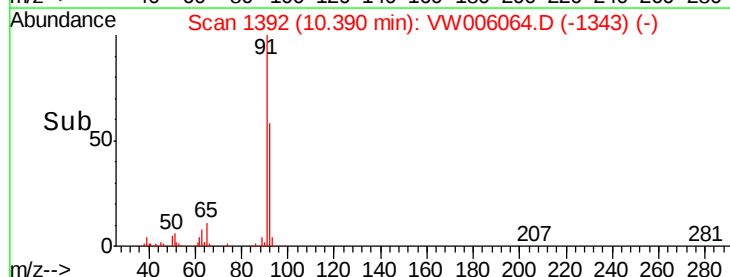
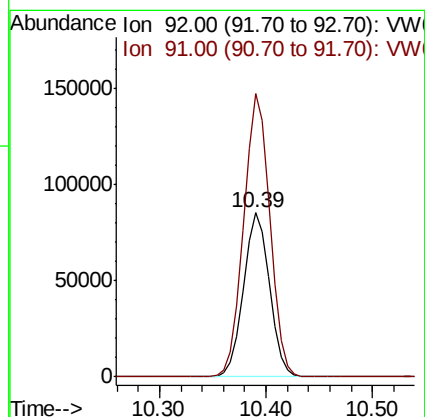
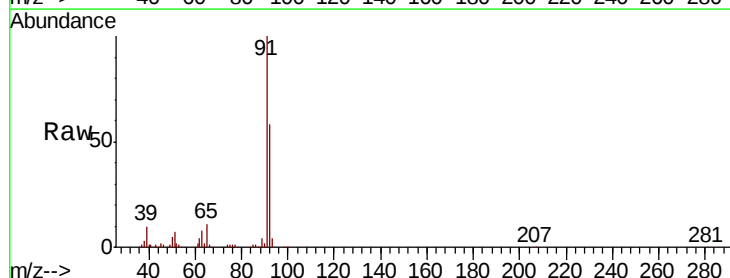
Acq: 15 Oct 2018 17:54

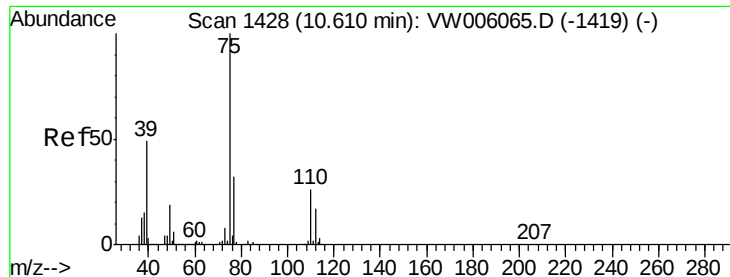
Tgt Ion: 92 Resp: 146903

Ion Ratio Lower Upper

92 100

91 173.8 140.0 210.0





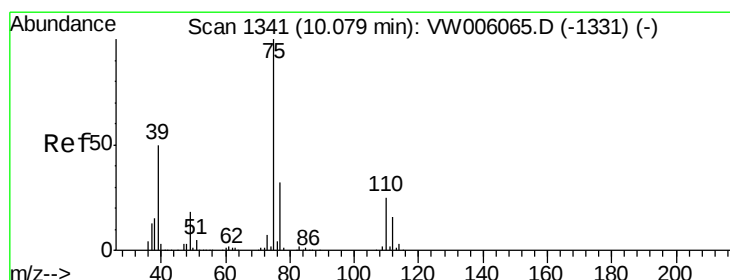
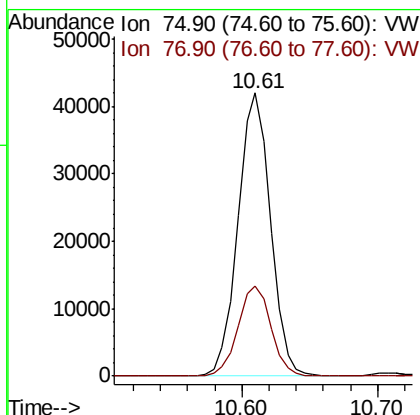
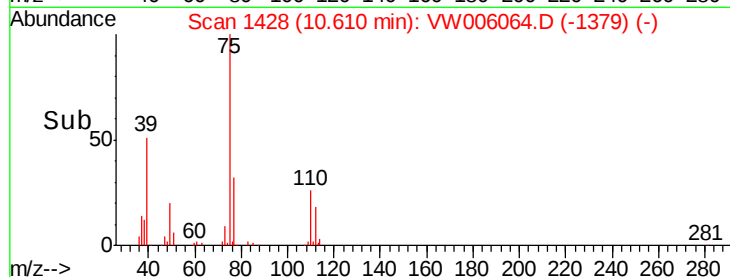
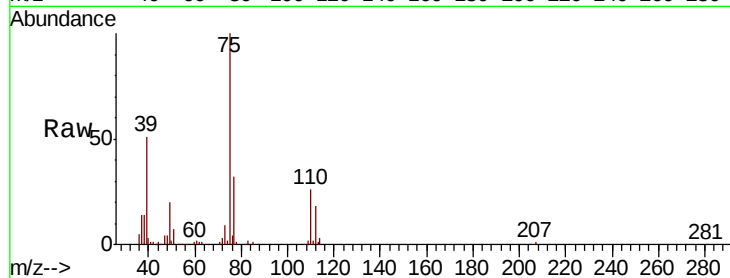
#53
 t-1,3-Dichloropropene
 Concen: 17.946 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 69882
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2

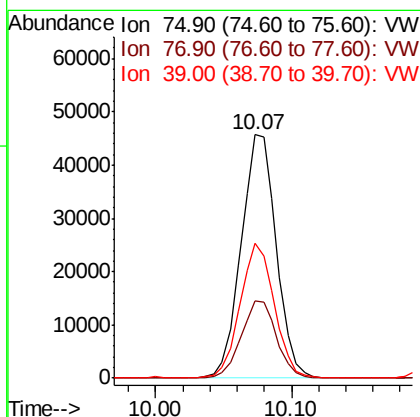
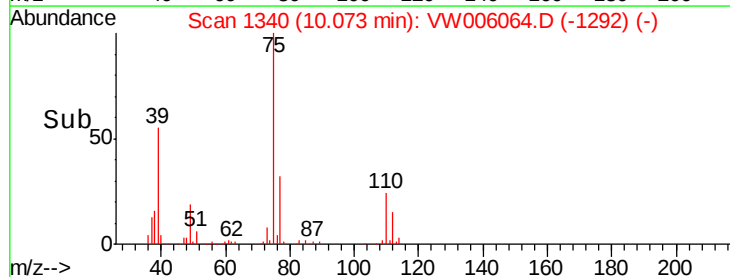
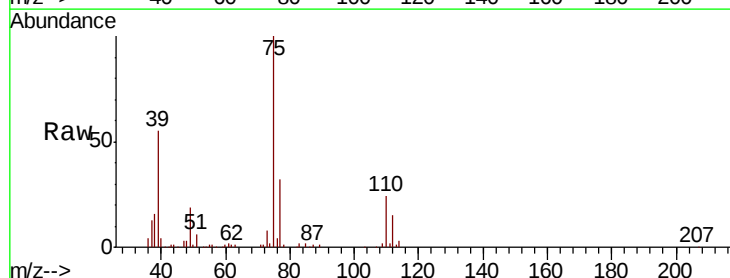
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#54
 cis-1,3-Dichloropropene
 Concen: 18.775 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion: 75 Resp: 82508
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8
 39 55.1 39.9 59.9





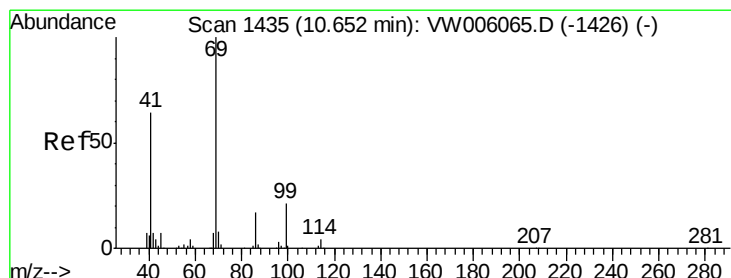
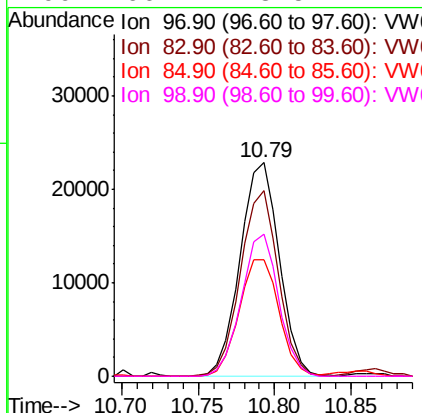
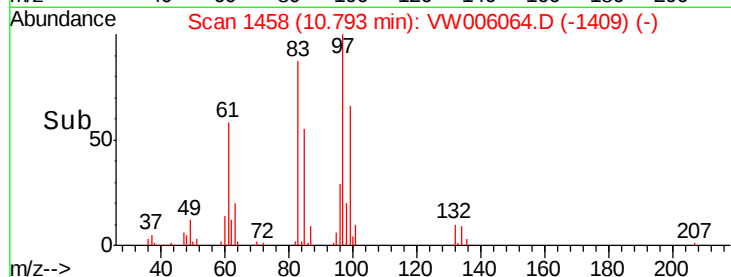
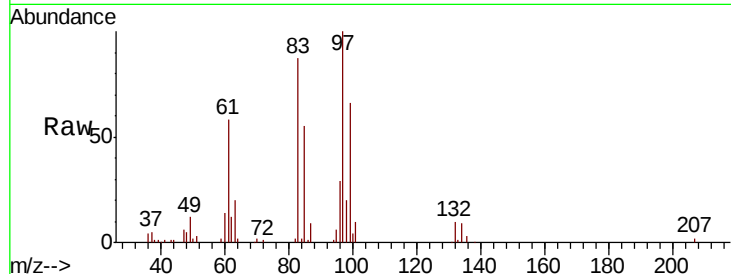
#55
 1,1,2-Trichloroethane
 Concen: 19.613 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	40828
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.2	100.8
85	54.7	43.7	65.5
99	66.4	48.5	72.7

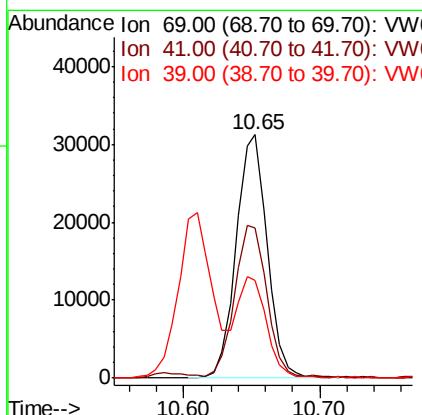
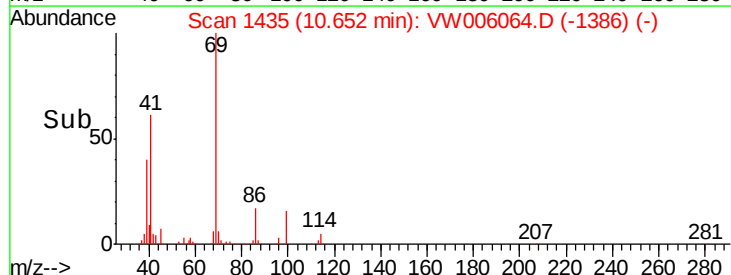
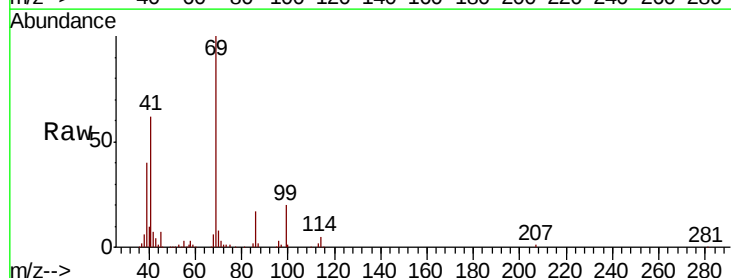
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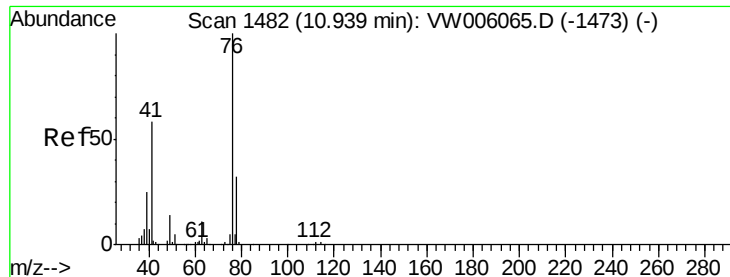
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#56
 Ethyl methacrylate
 Concen: 17.987 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion:	69	Resp:	49751
Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.8	79.2
39	41.6	30.6	45.8





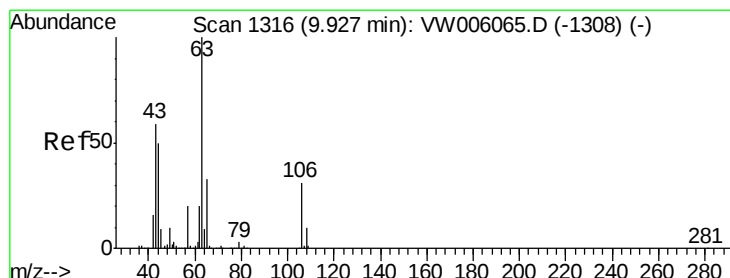
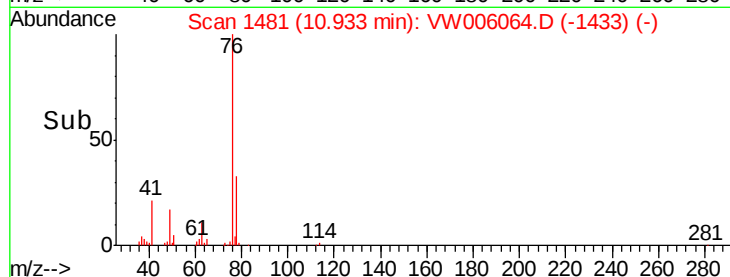
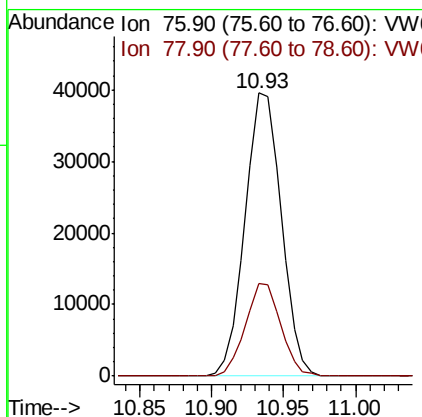
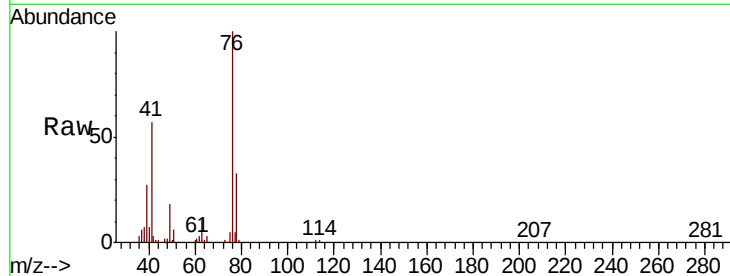
#57
 1,3-Dichloropropane
 Concen: 19.767 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

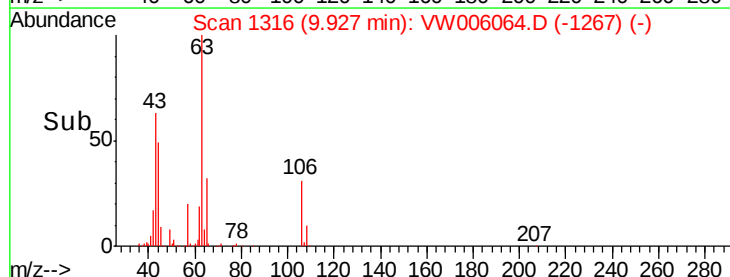
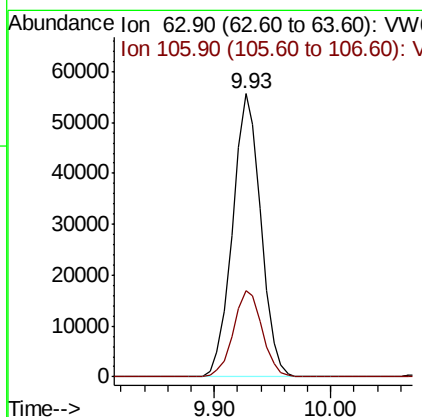
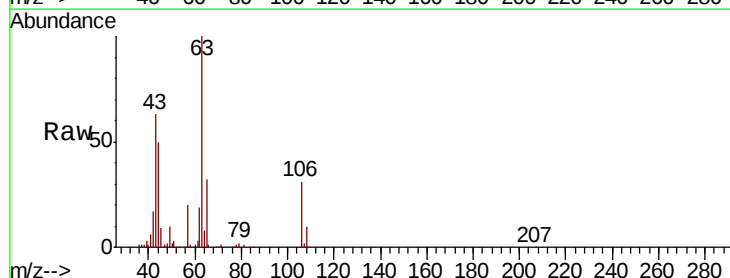
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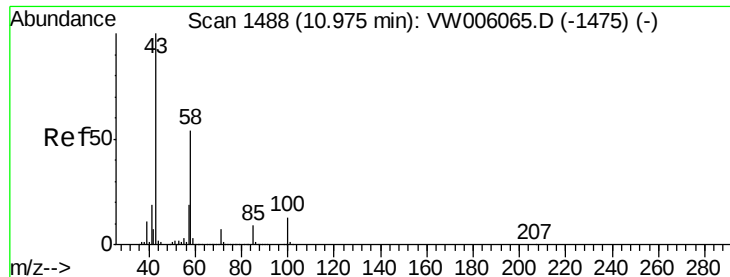
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#58
 2-Chloroethyl Vinyl ether
 Concen: 84.373 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	24.5	36.7





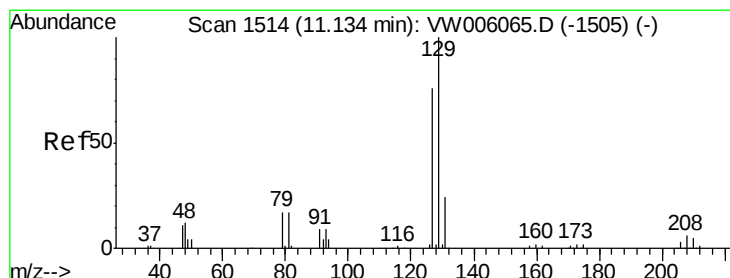
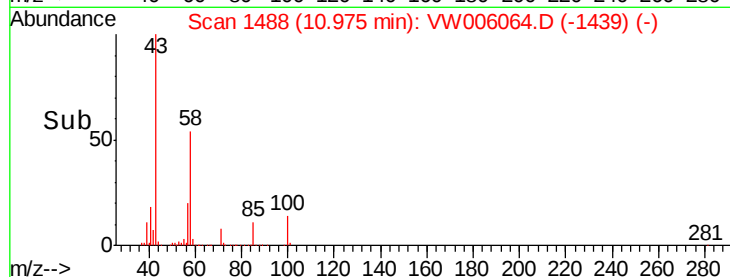
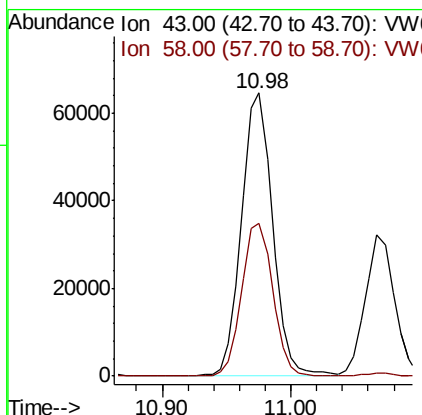
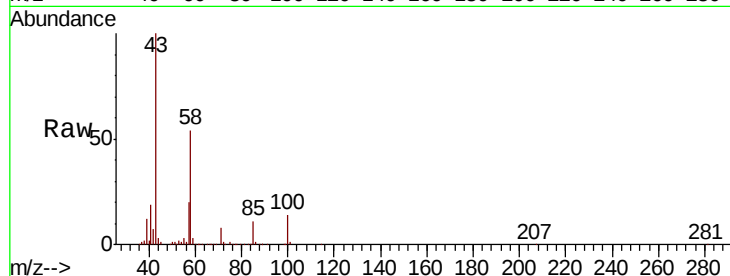
#59
2-Hexanone
Concen: 89.859 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58		54.3		26.9	80.6

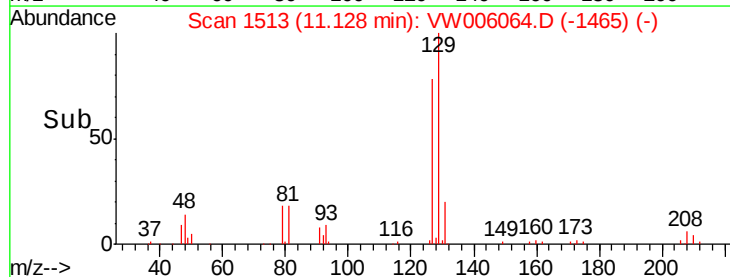
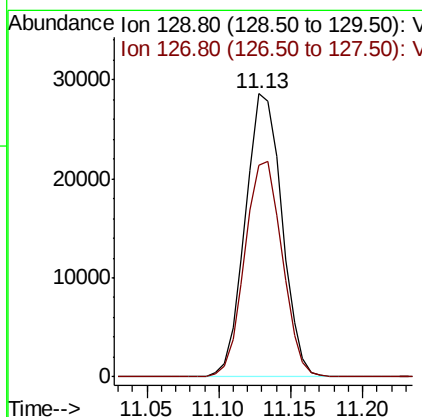
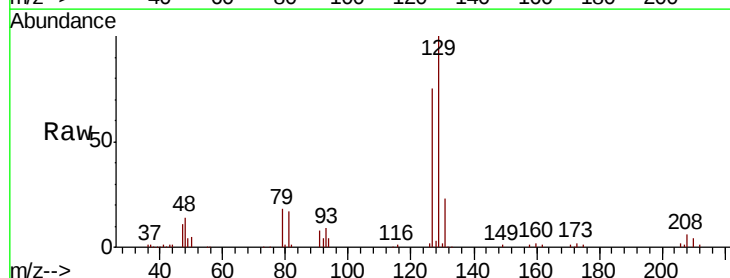
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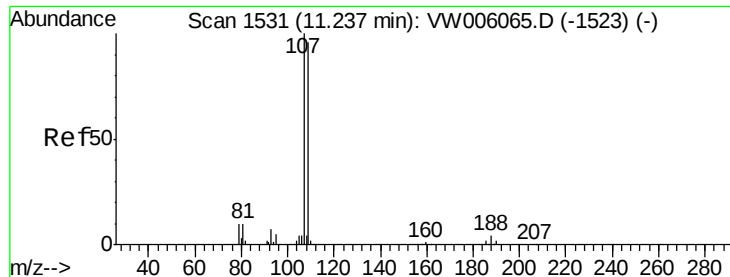
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#60
Dibromochloromethane
Concen: 18.838 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127		77.5		38.6	115.7





#61

1,2-Dibromoethane

Concen: 19.647 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 40903

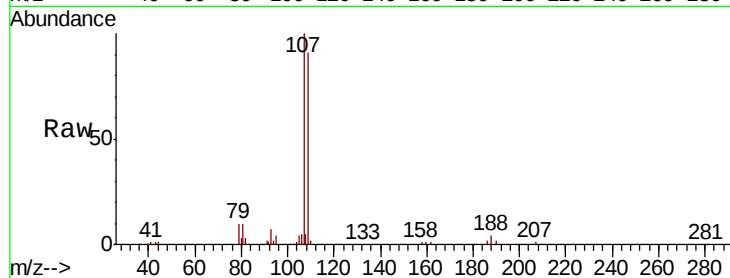
Ion Ratio Lower Upper

107 100

109 95.8 76.3 114.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

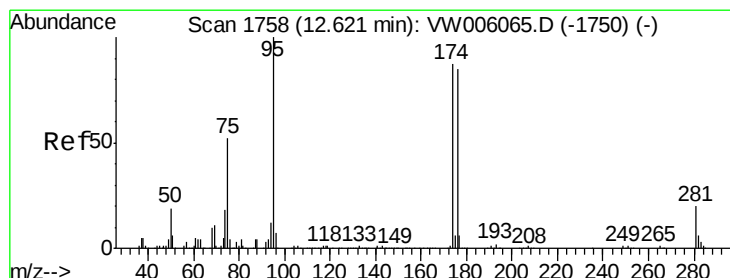
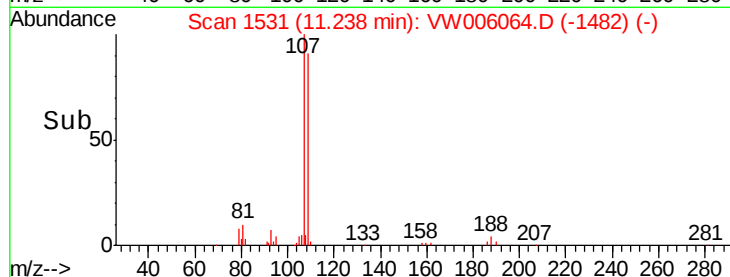
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 18.593 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

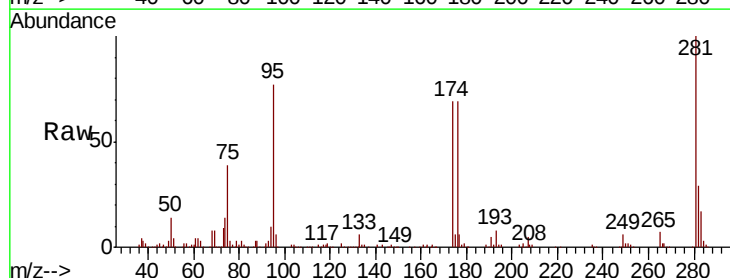
Tgt Ion: 95 Resp: 71780

Ion Ratio Lower Upper

95 100

174 91.7 0.0 186.0

176 91.0 0.0 181.6



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

60000

50000

40000

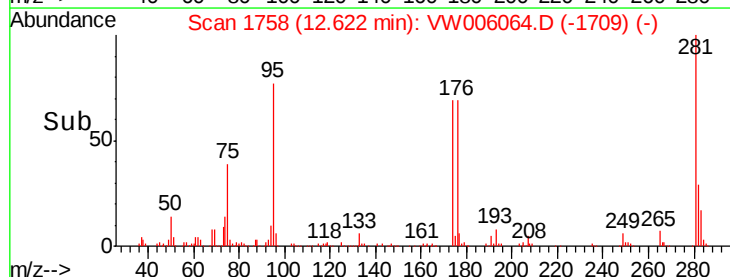
30000

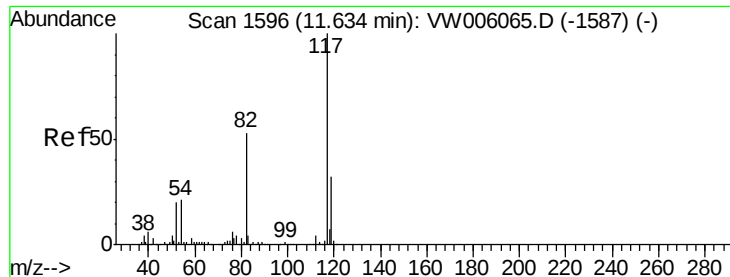
20000

10000

0

Time--> 12.55 12.60 12.65 12.70





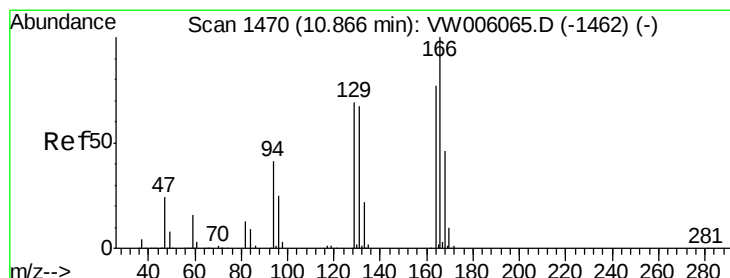
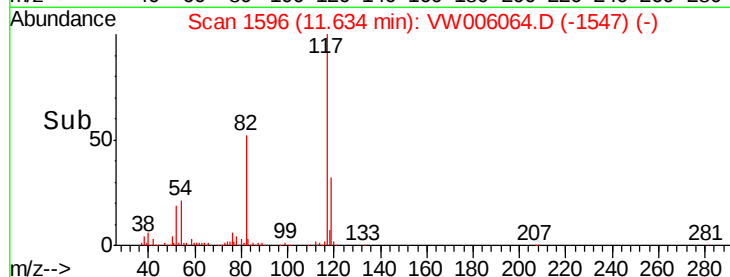
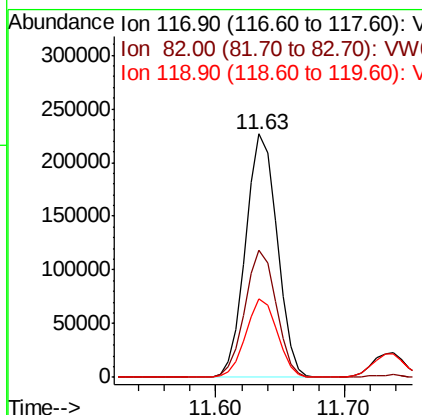
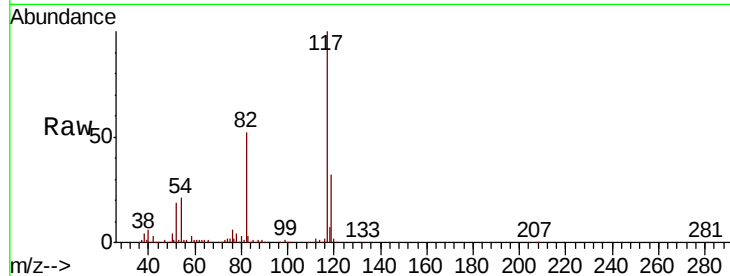
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.1	63.1
119	32.1	25.8	38.6

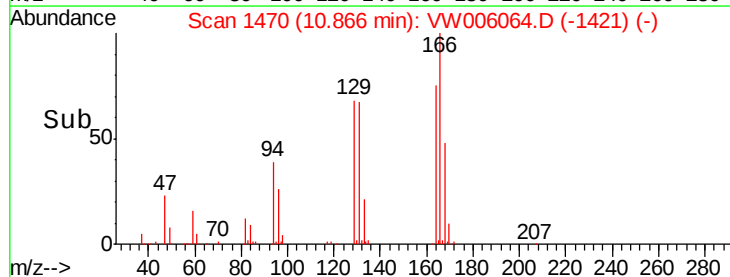
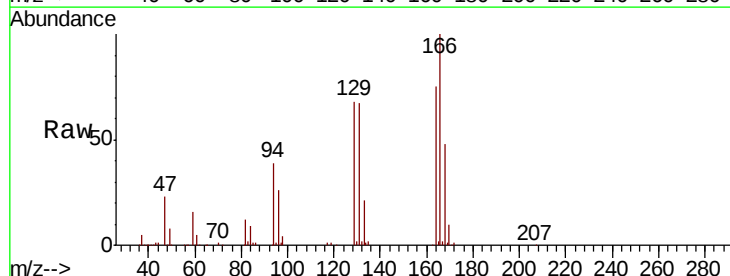
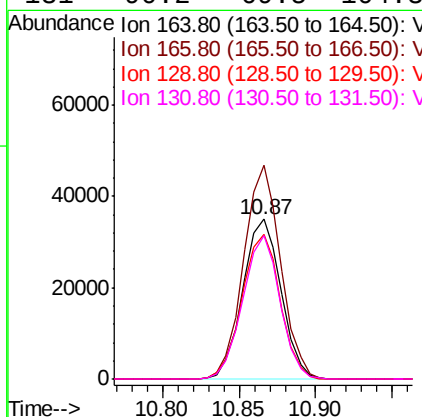
Manual Integrations
APPROVED

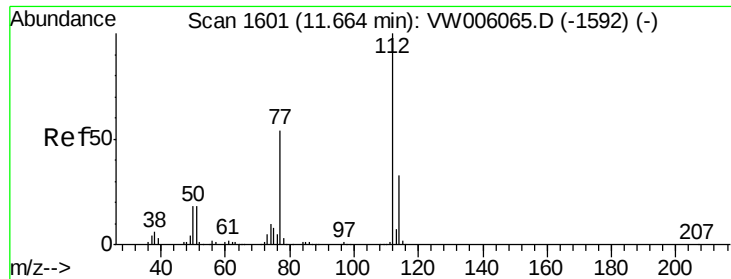
apatel
10/16/2018 10:33:53 AM



#64
Tetrachloroethene
Concen: 21.311 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.9	103.4	155.0
129	90.4	71.8	107.8
131	90.2	69.5	104.3





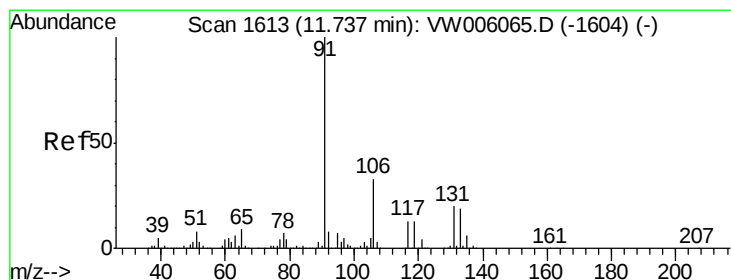
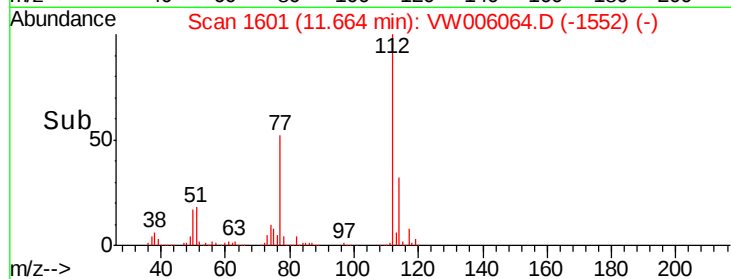
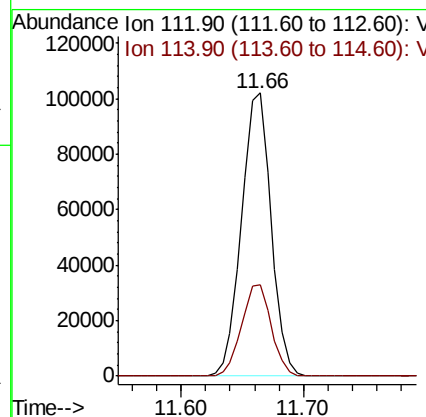
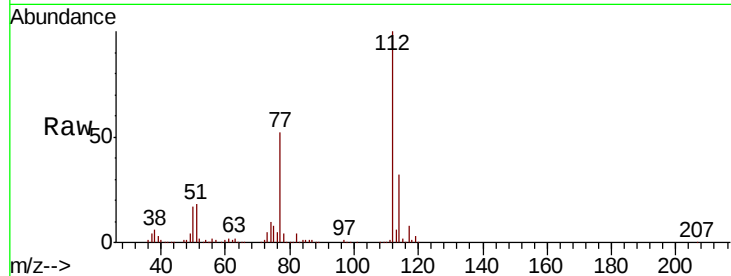
#65
Chlorobenzene
Concen: 21.084 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	171117		
114	32.3	26.2	39.2	

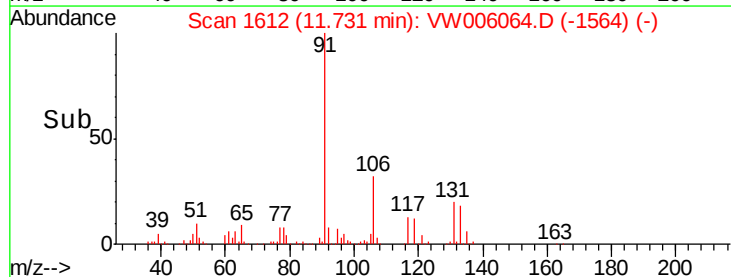
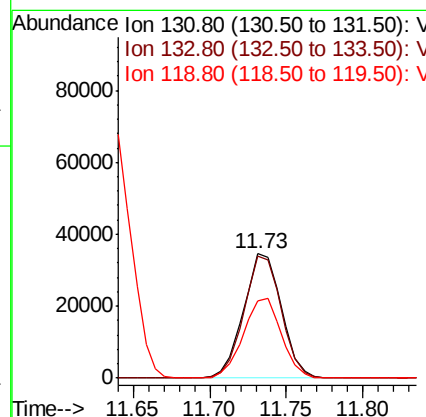
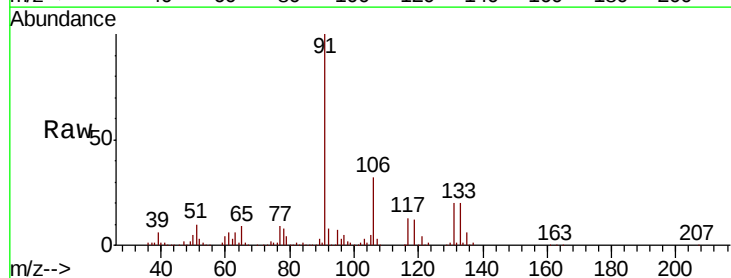
Manual Integrations
APPROVED

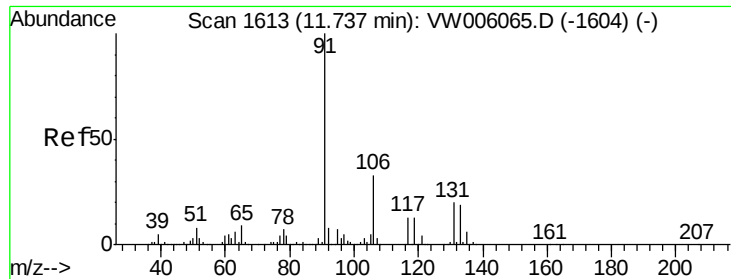
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.031 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	59606		
133	96.8	48.1	144.3	
119	64.1	31.6	94.7	





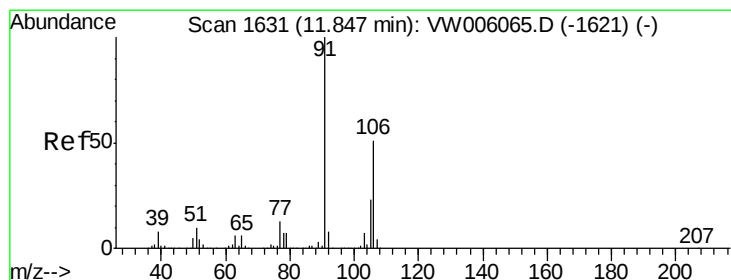
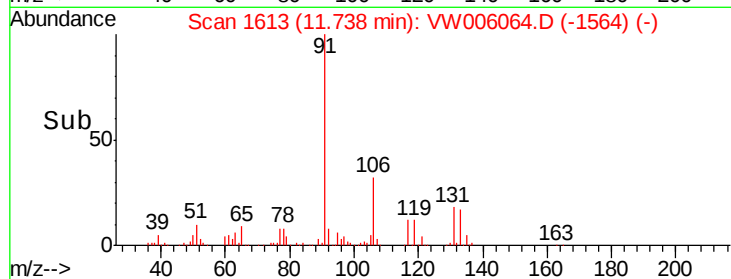
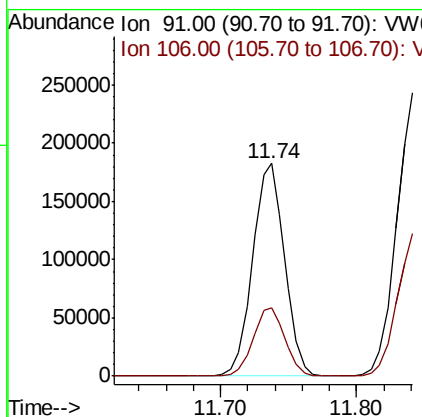
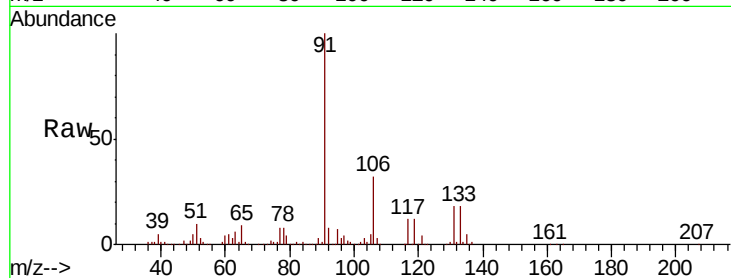
#67
Ethyl Benzene
Concen: 21.009 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 300129
Ion Ratio Lower Upper
91 100
106 32.1 26.1 39.1

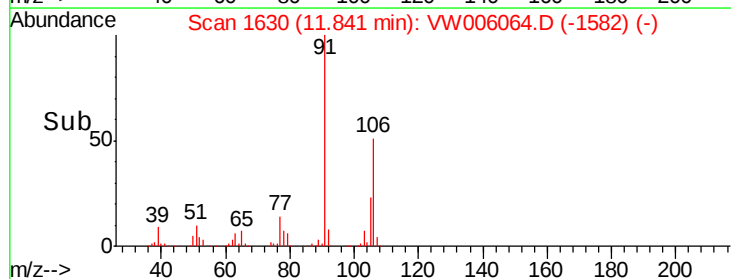
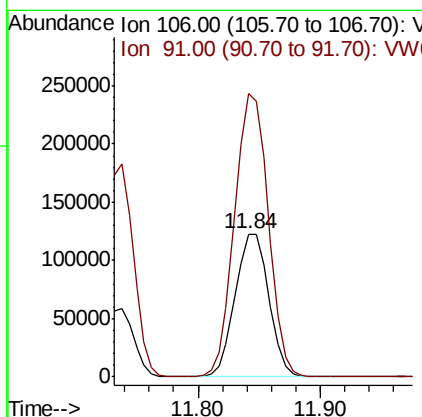
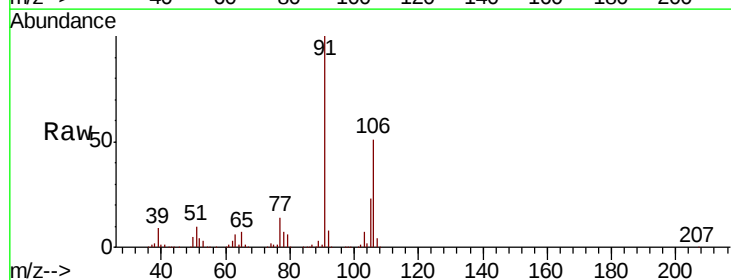
Manual Integrations
APPROVED

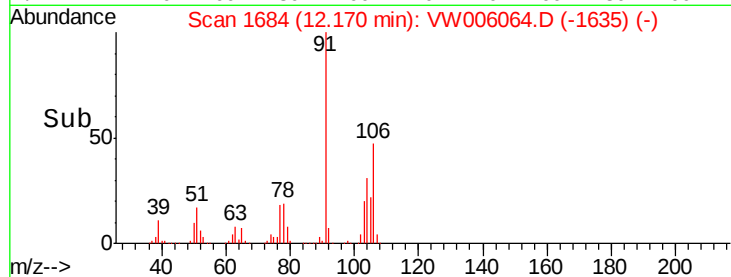
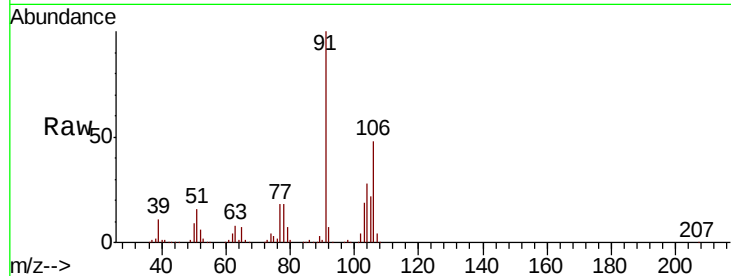
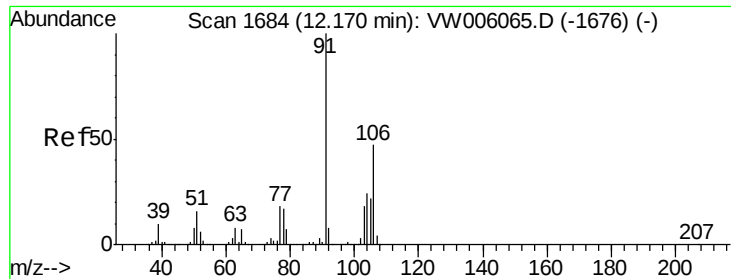
apatel
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#68
m/p-Xylenes
Concen: 41.977 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion: 106 Resp: 235038
Ion Ratio Lower Upper
106 100
91 198.2 159.1 238.7





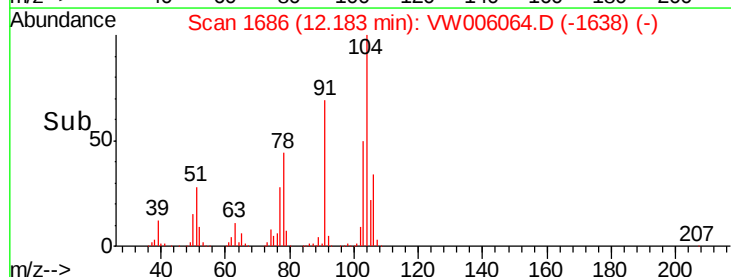
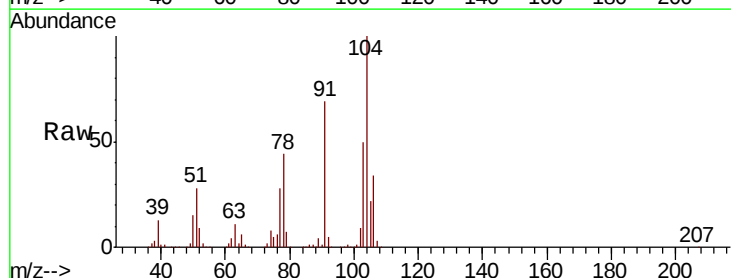
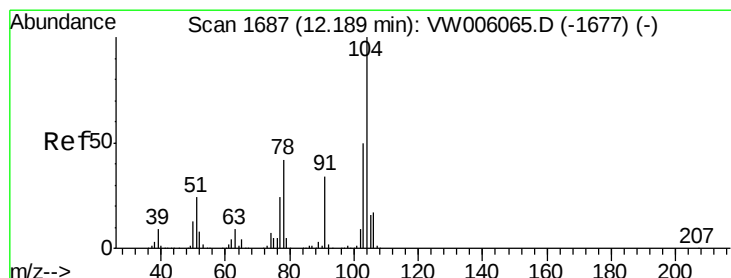
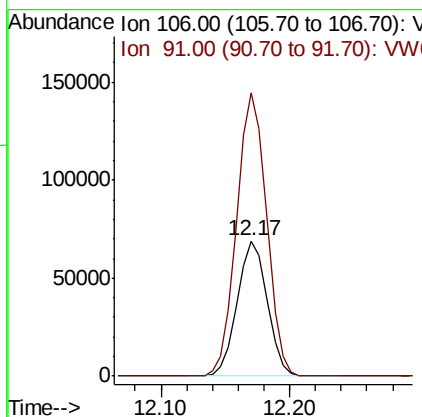
#69
o-Xylene
Concen: 20.766 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
111414	106	100			
209.0	91	209.0	105.4	316.1	

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

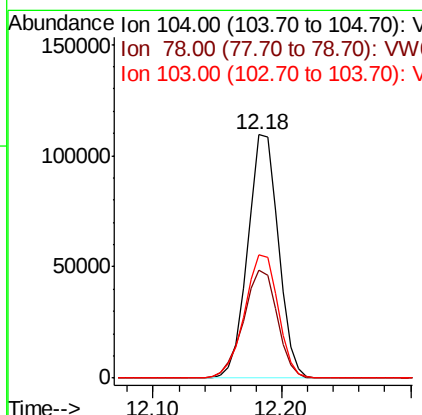
Manual Integrations
APPROVED

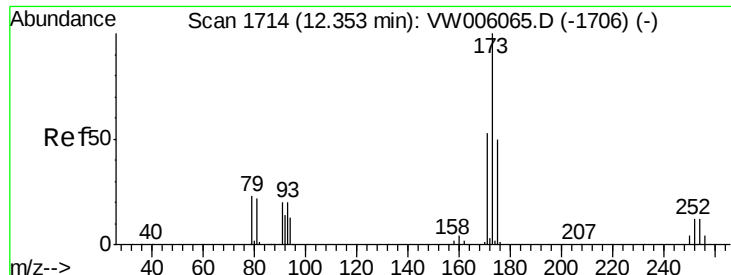
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#70
Styrene
Concen: 20.170 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
179198	104	100			
49.2	78	49.2	39.1	58.7	
55.4	103	55.4	44.3	66.5	





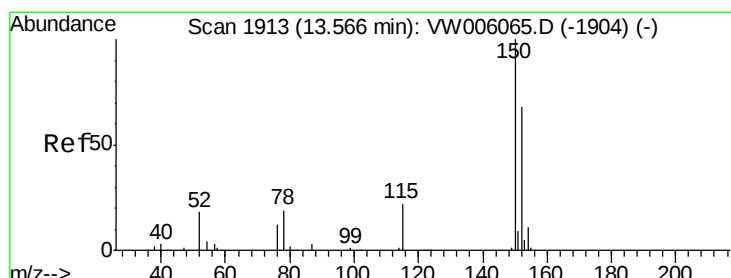
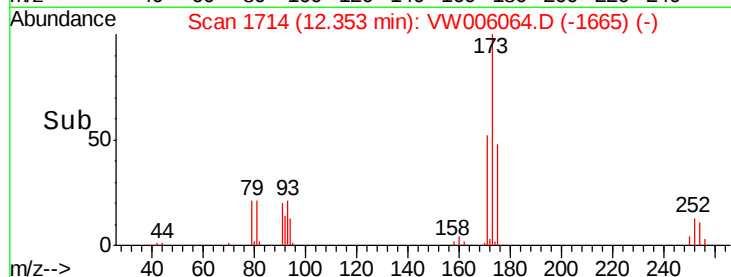
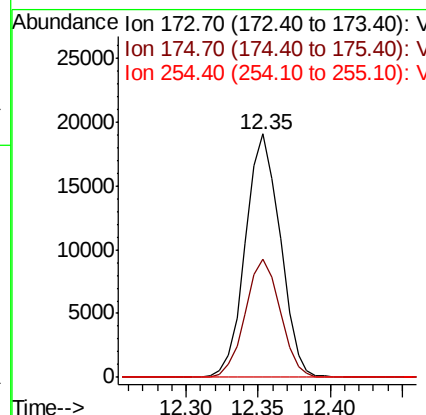
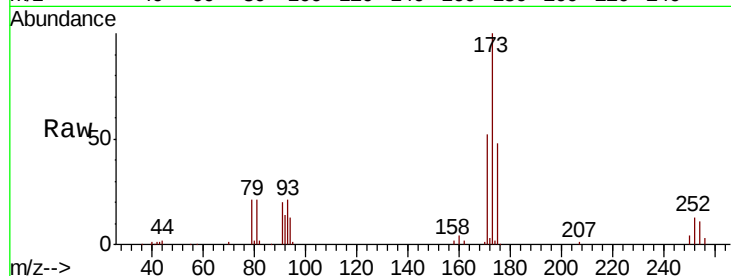
#71
Bromoform
Concen: 18.078 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.0	0.1	0.1#

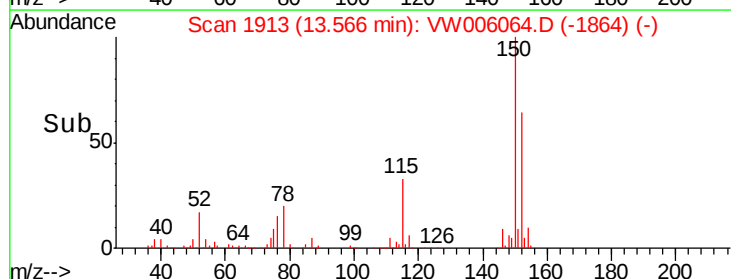
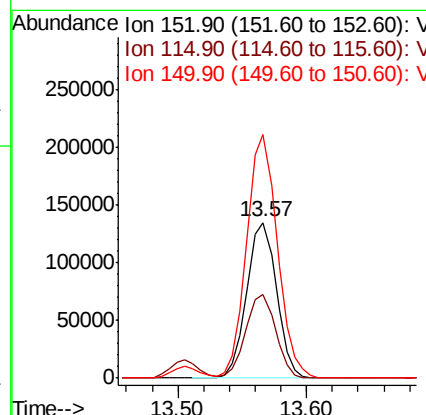
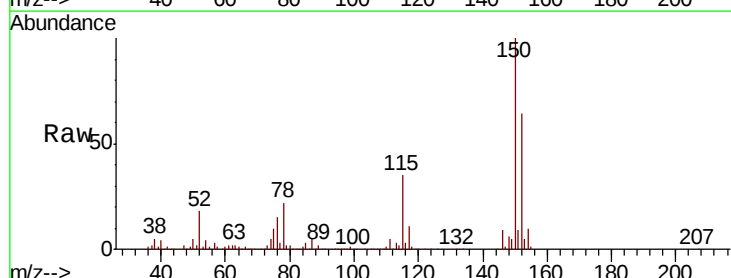
Manual Integrations
APPROVED

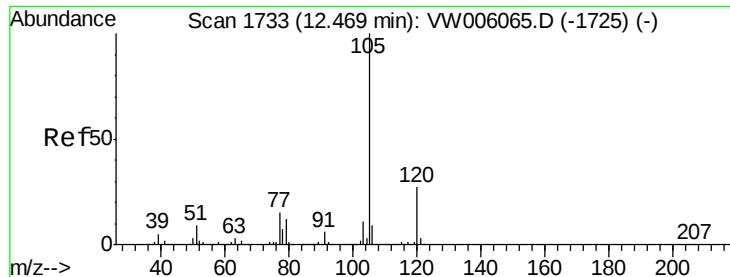
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.8	83.3
150	162.1	0.0	349.2





#73

Isopropylbenzene

Concen: 20.316 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 314548

Ion Ratio Lower Upper

105 100

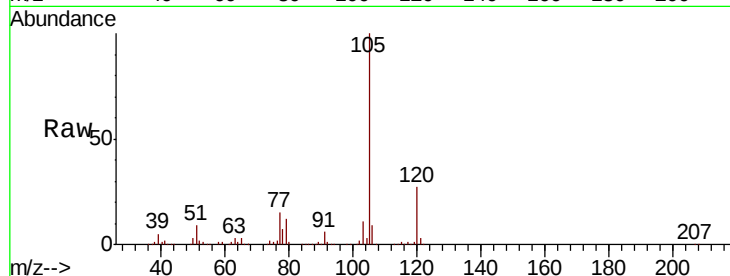
120 27.4 13.6 40.7

Manual Integrations

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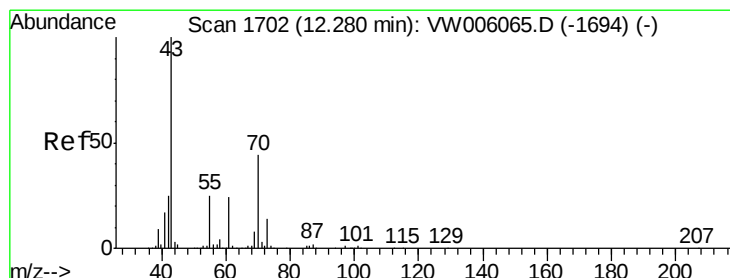
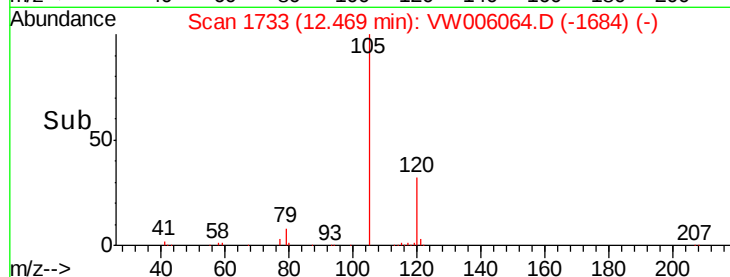
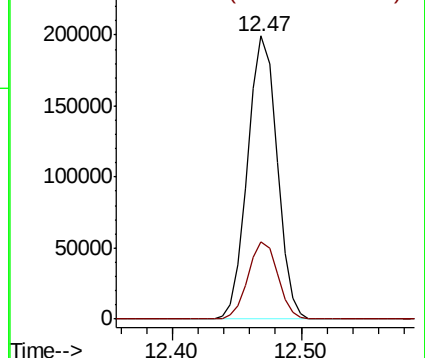
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.313 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Tgt Ion: 43 Resp: 58502

Ion Ratio Lower Upper

43 100

70 43.3 34.2 51.4

55 23.9 19.2 28.8

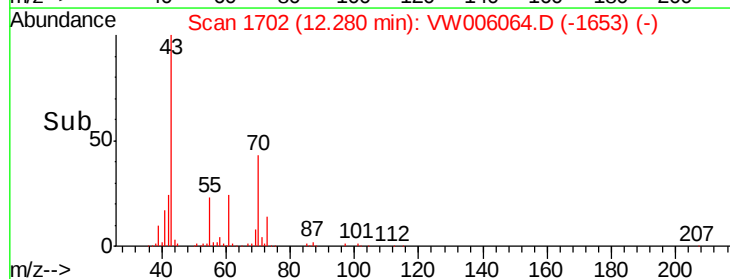
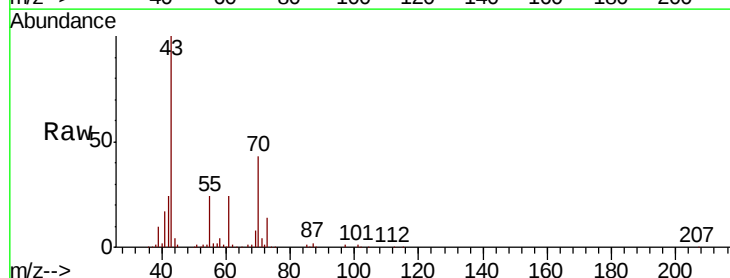
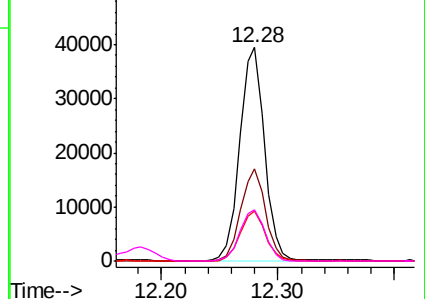
61 24.6 19.0 28.6

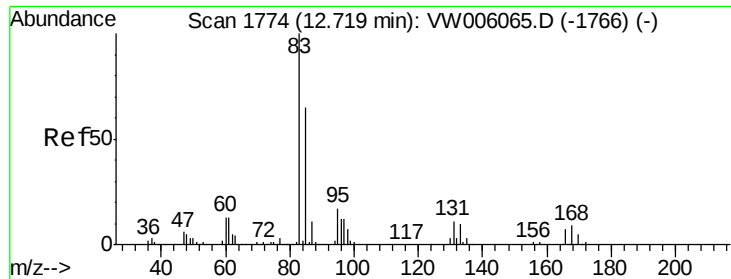
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.251 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

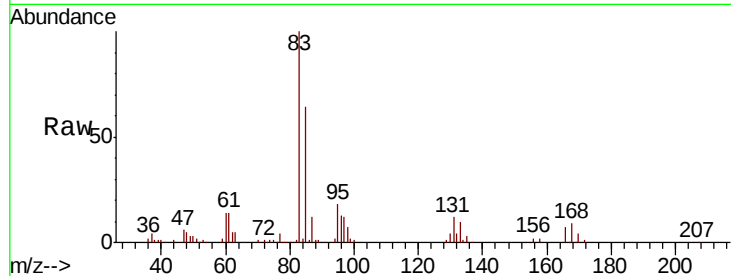
ClientSampleId :

VSTDIC020

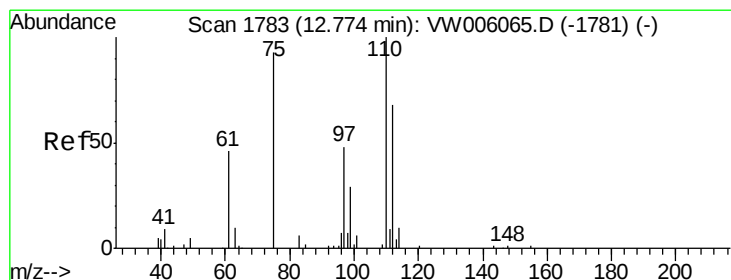
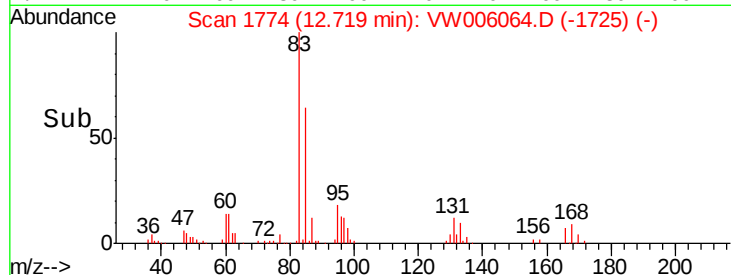
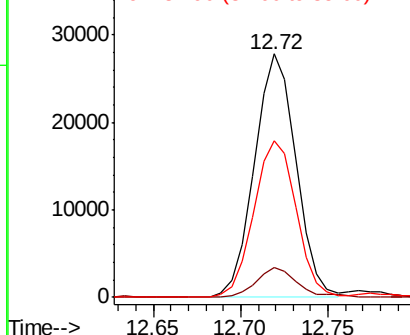
Tot Ion:	83	Resp:	46030
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.9	17.7
85	65.5	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 16.668 ug/l m

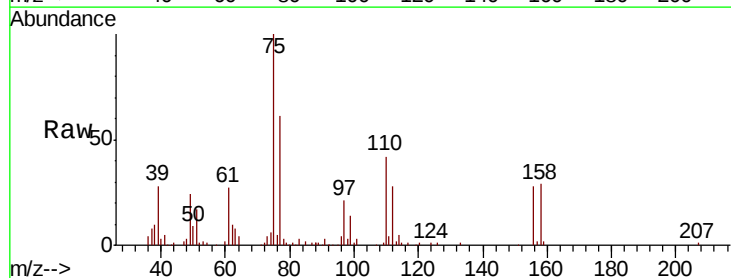
RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

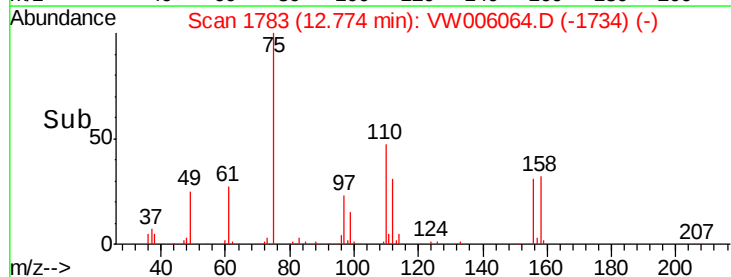
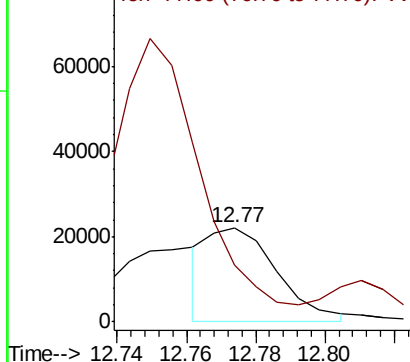
Lab File: VW006064.D

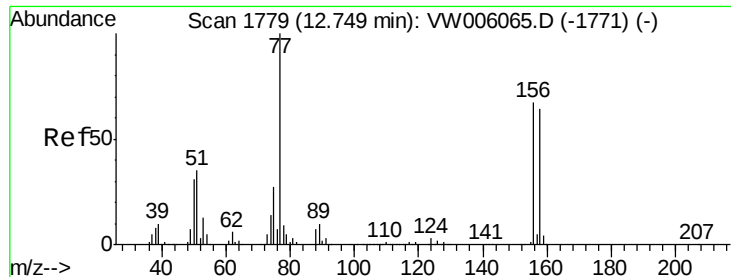
Acq: 15 Oct 2018 17:54

Tgt Ion:	75	Resp:	30848
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.733 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

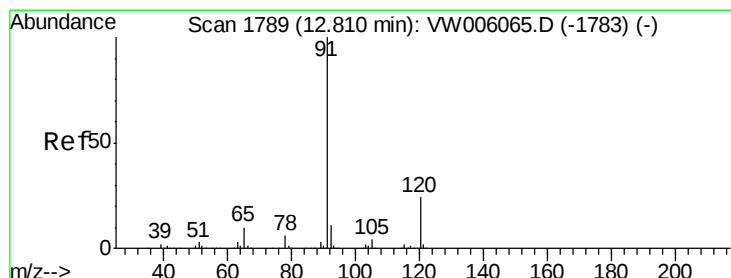
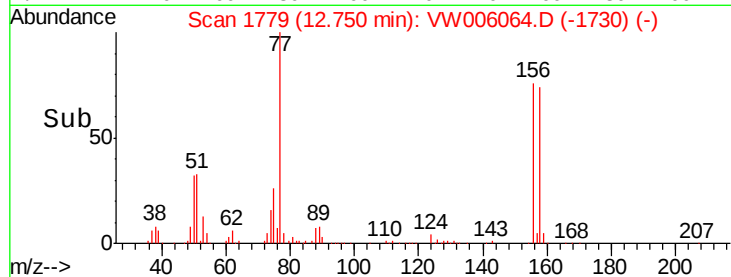
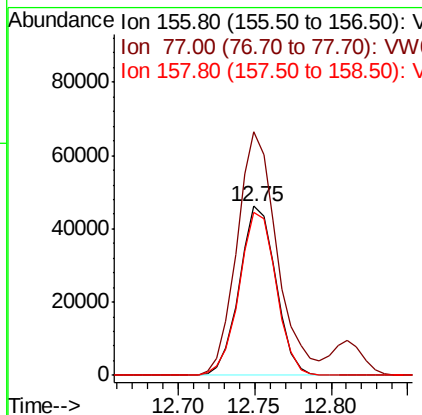
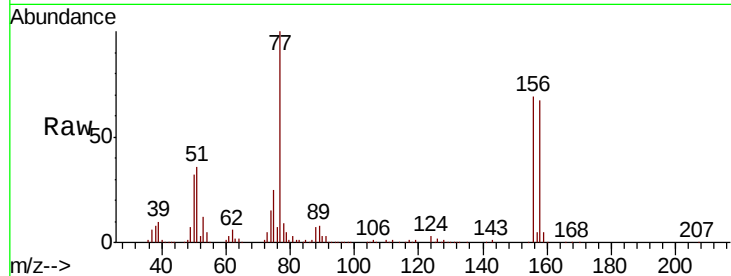
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	158.3	79.1	237.4	
158	97.3	48.5	145.6	

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#78

n-propylbenzene

Concen: 20.275 ug/l

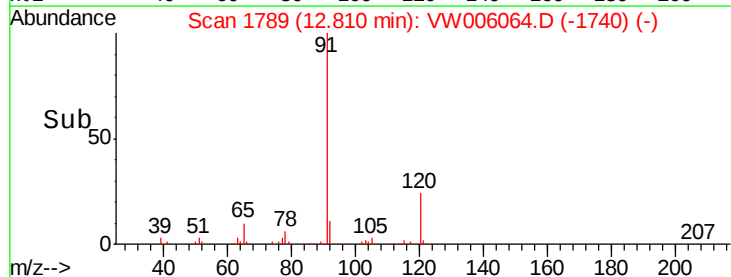
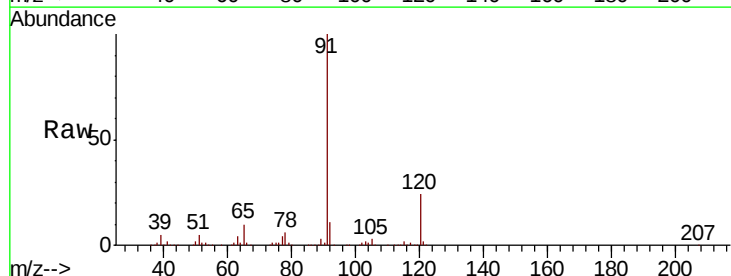
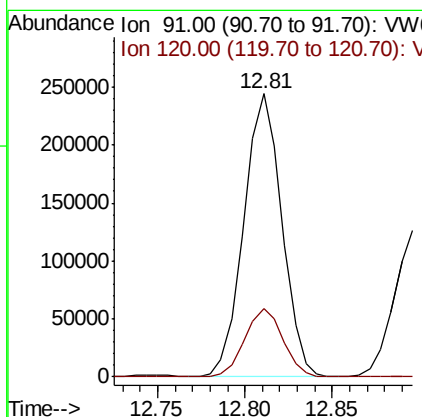
RT: 12.81 min Scan# 1789

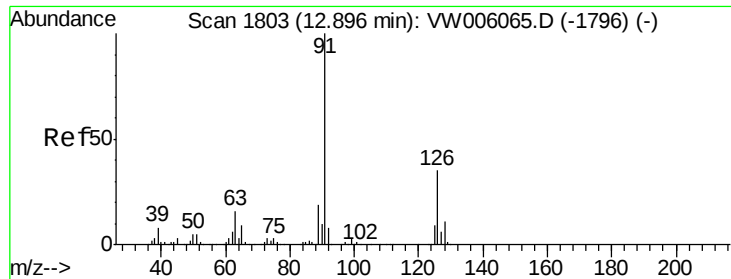
Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.1	12.2	36.6	





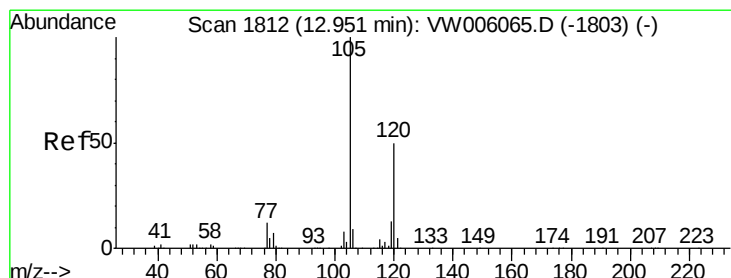
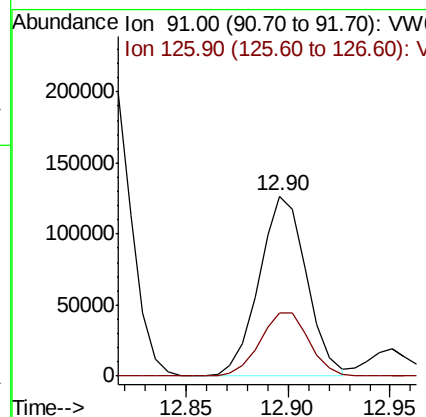
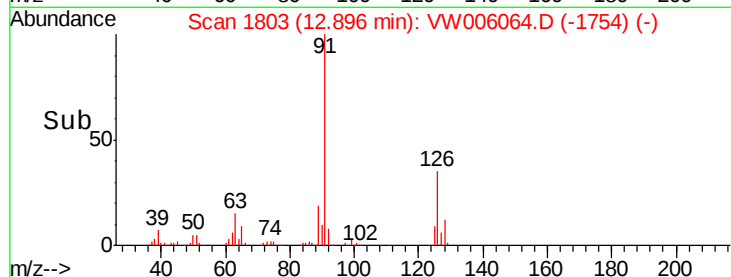
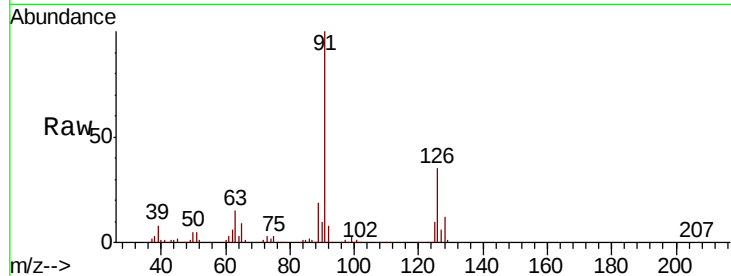
#79
 2-Chlorotoluene
 Concen: 19.921 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 204896
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.9 53.8

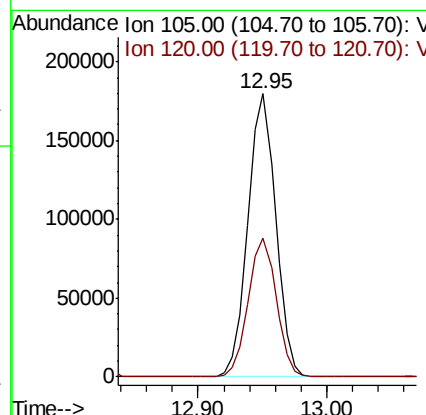
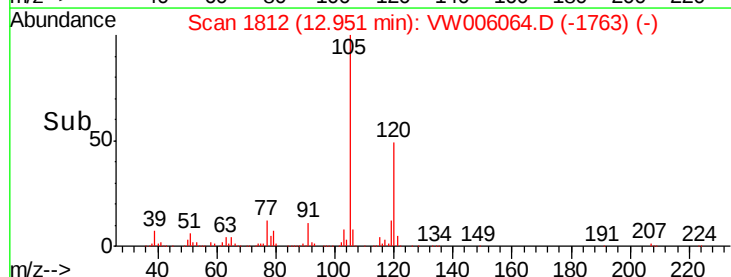
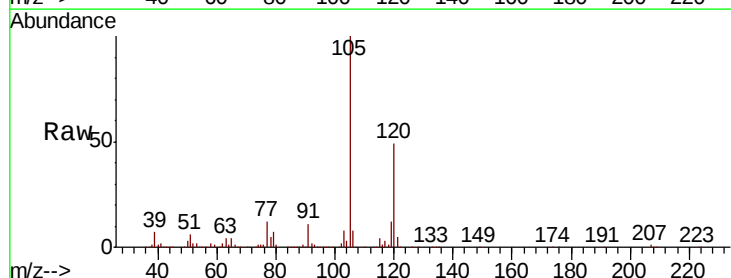
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.447 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion: 105 Resp: 267643
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 15.500 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006064.D

Acq: 15 Oct 2018 17:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 13510

Ion Ratio Lower Upper

75 100

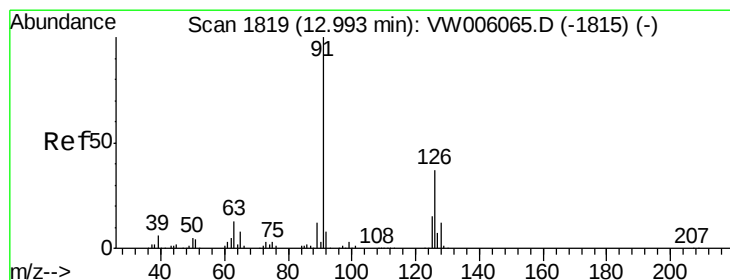
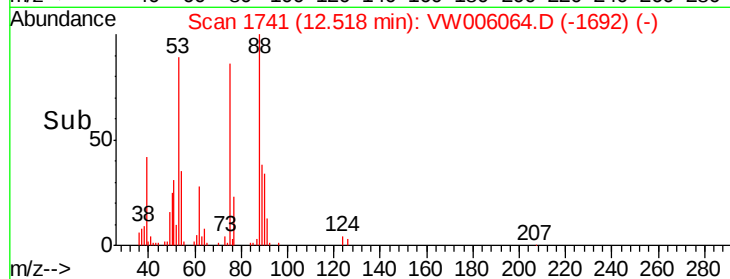
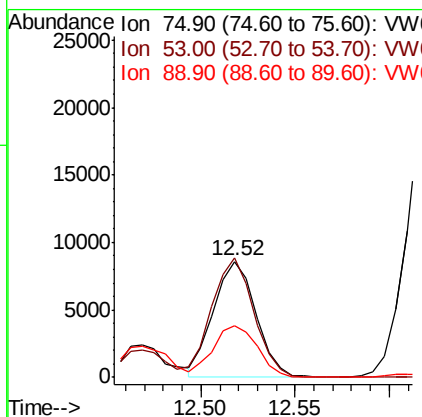
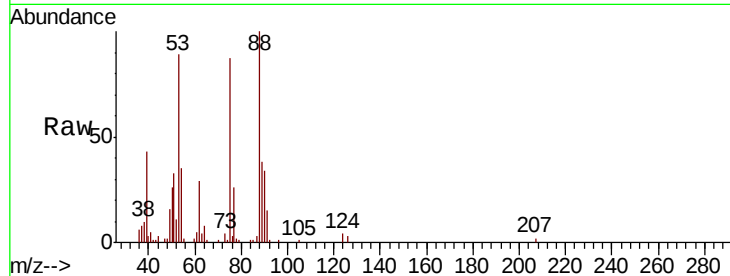
53 102.7 79.8 119.6

89 46.2 37.5 56.3

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#82

4-Chlorotoluene

Concen: 20.182 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006064.D

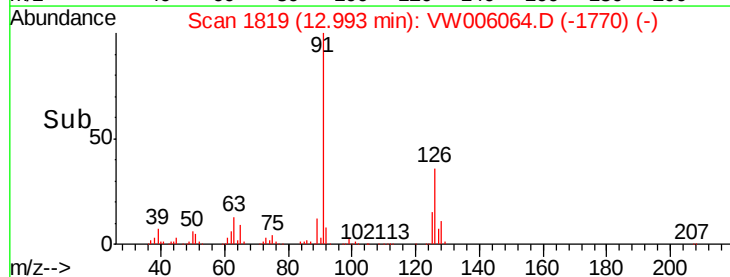
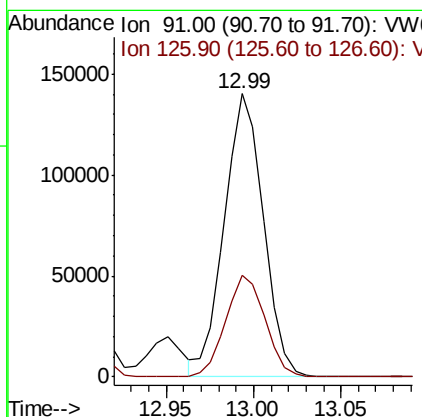
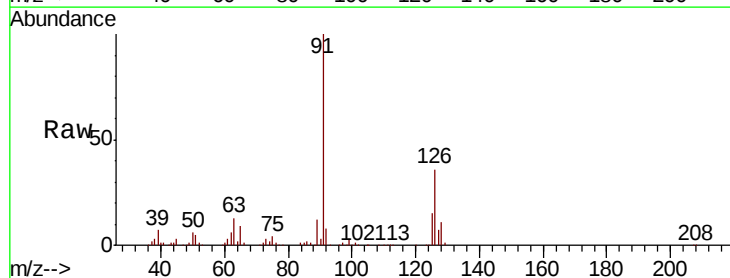
Acq: 15 Oct 2018 17:54

Tgt Ion: 91 Resp: 217514

Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.3





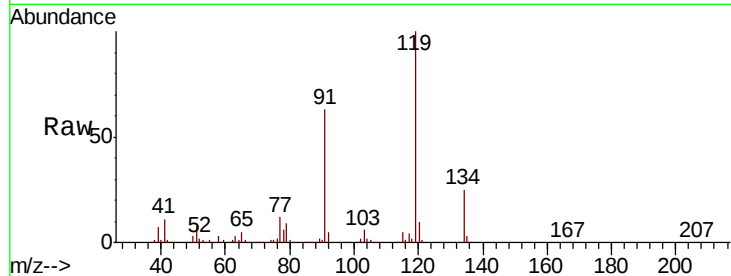
#83
tert-Butylbenzene
Concen: 20.571 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

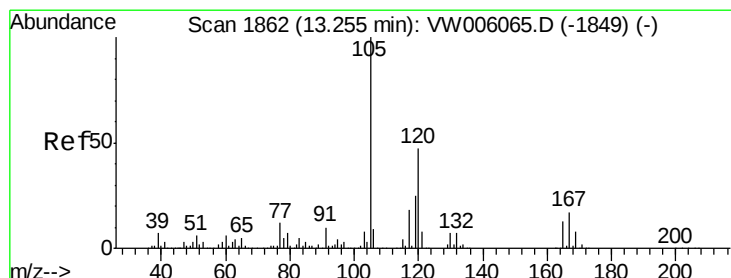
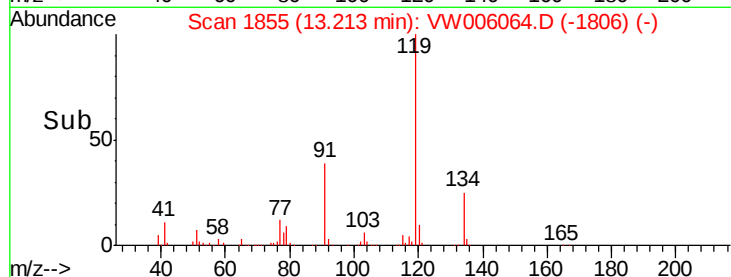
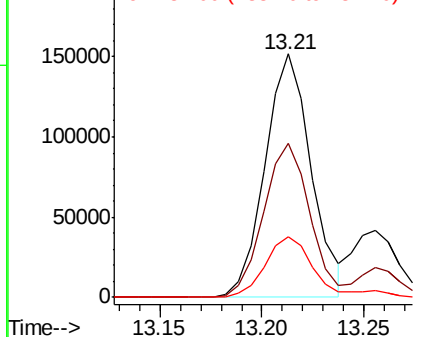
Tot Ion	Ratio	Resp	Lower	Upper
119	100	239205		
91	63.1	32.3	96.9	
134	25.2	13.6	40.8	

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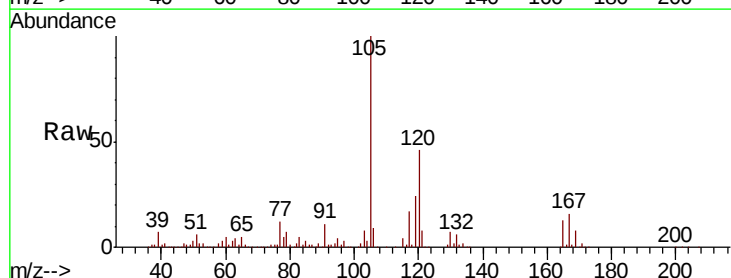


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

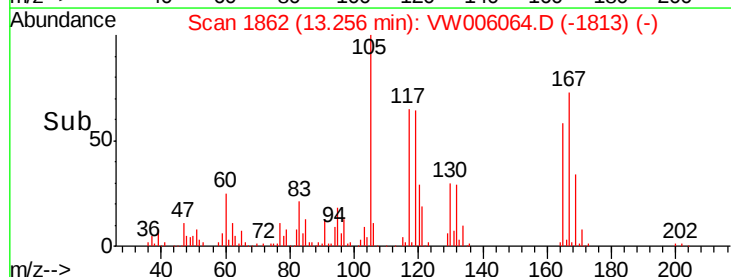
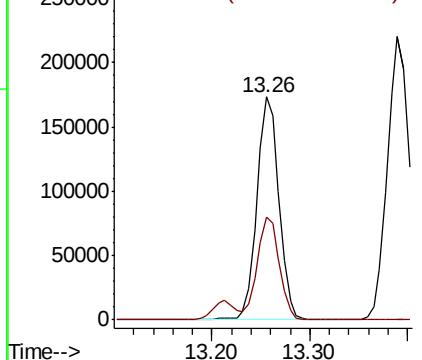


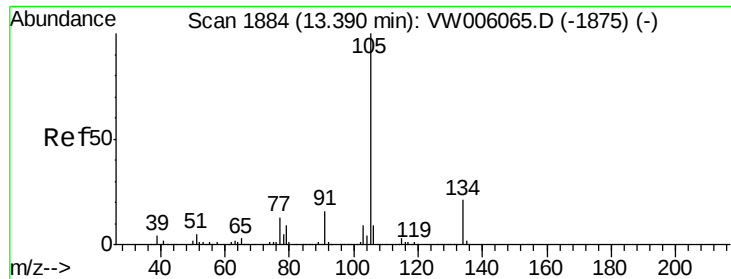
#84
1,2,4-Trimethylbenzene
Concen: 20.523 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	270700		
120	45.7	23.1	69.3	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





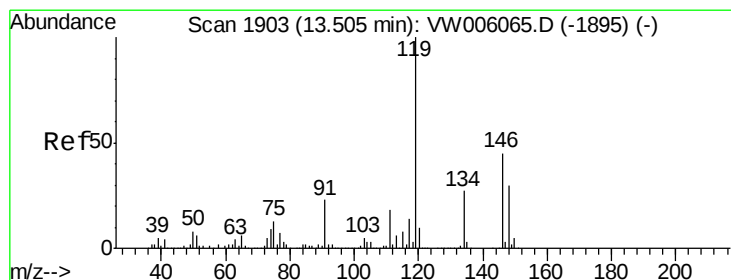
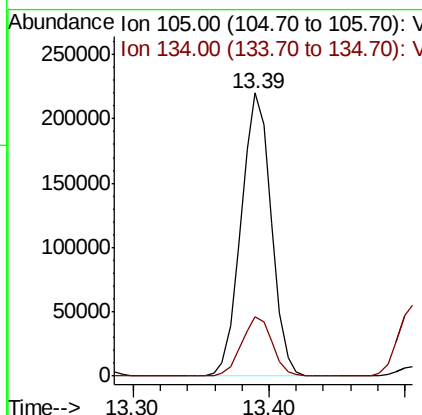
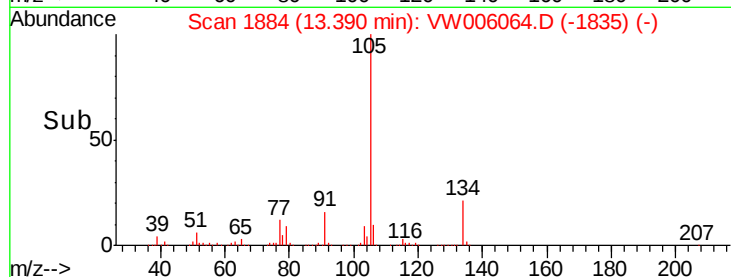
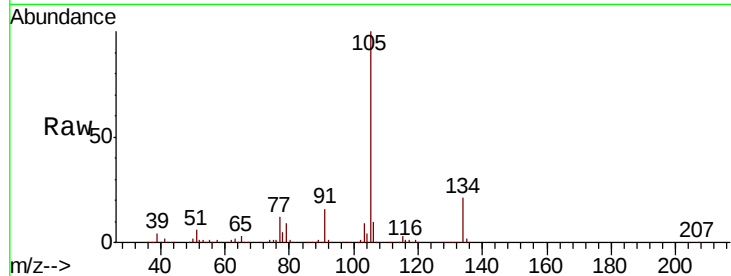
#85
 sec-Butylbenzene
 Concen: 20.824 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.5	31.6

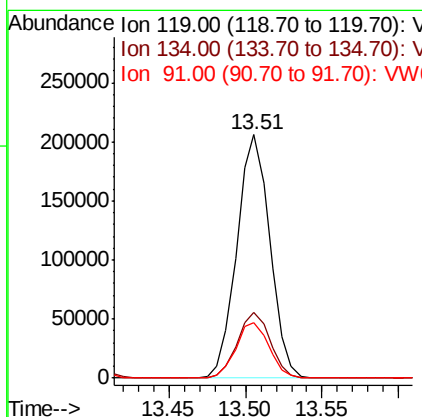
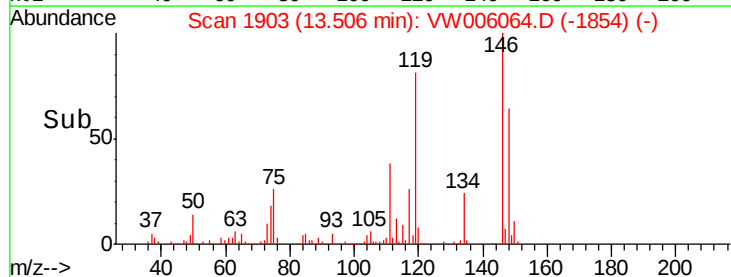
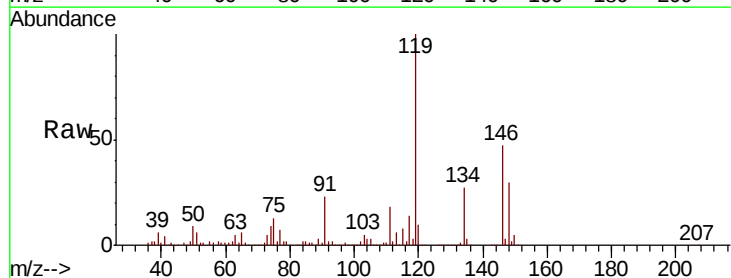
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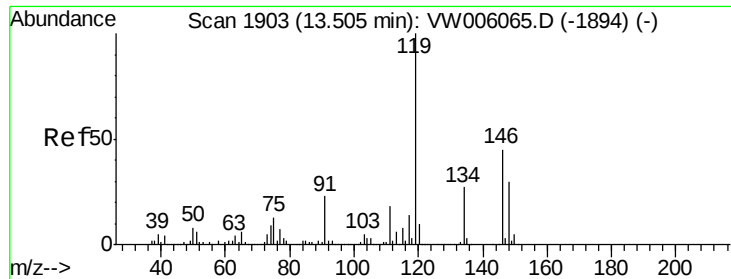
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#86
 p-Isopropyltoluene
 Concen: 20.894 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	23.3	11.4	34.1





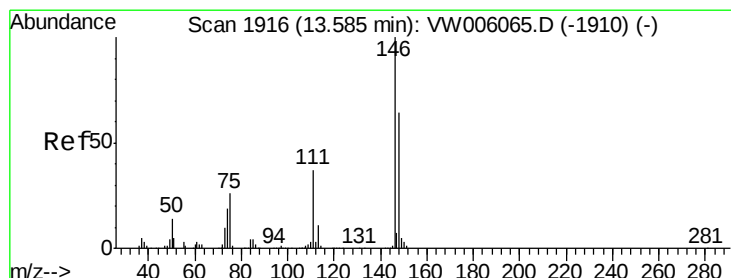
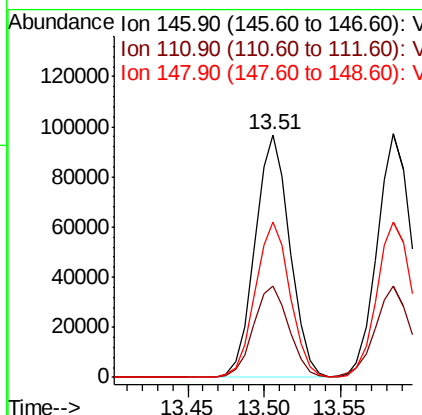
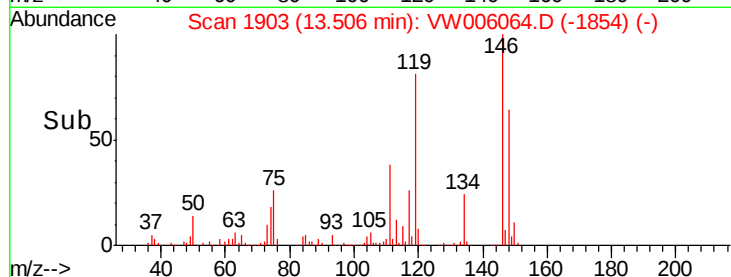
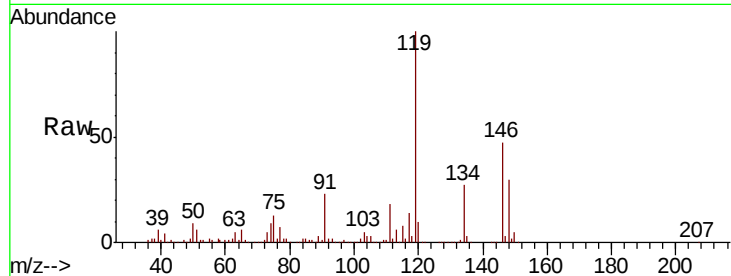
#87
 1,3-Dichlorobenzene
 Concen: 20.919 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	153133		
111	38.4	19.1	57.5	
148	64.0	32.0	96.2	

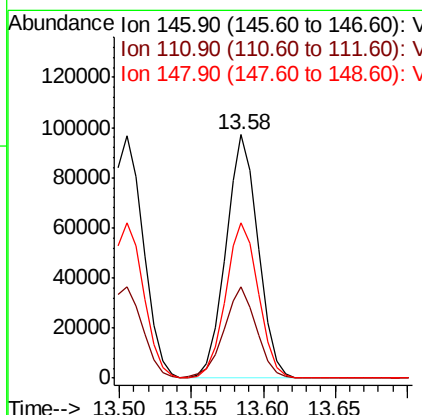
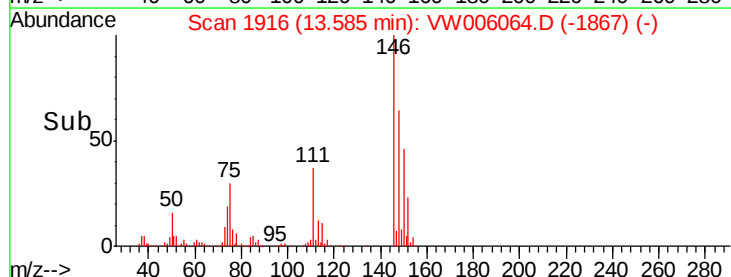
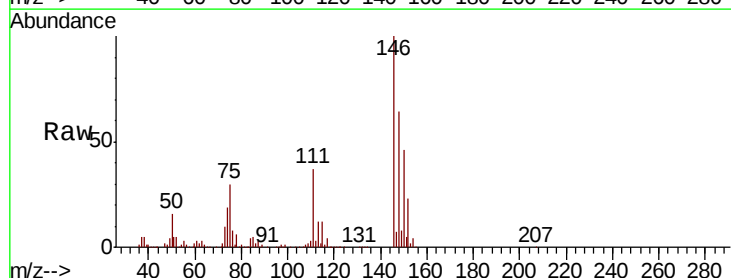
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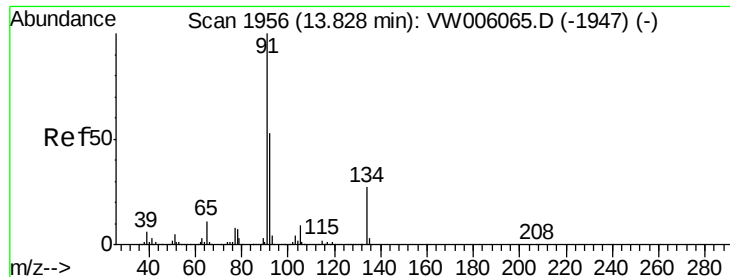
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#88
 1,4-Dichlorobenzene
 Concen: 20.920 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	152165		
111	37.8	18.6	56.0	
148	64.4	32.1	96.5	





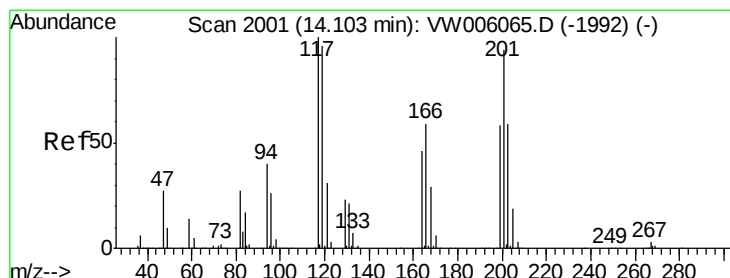
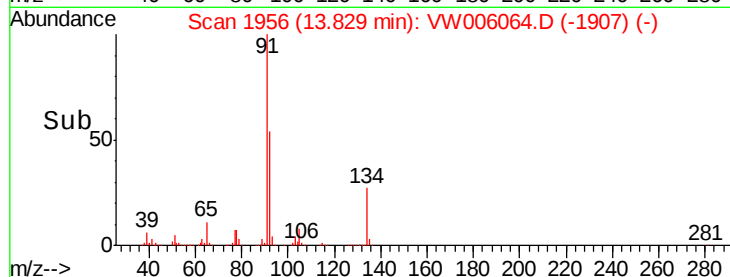
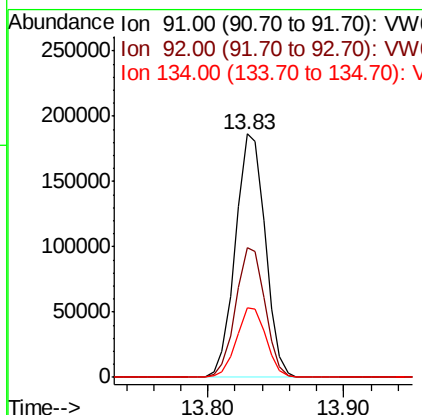
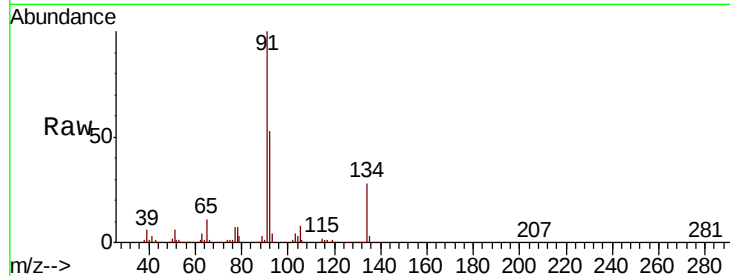
#89
n-Butylbenzene
Concen: 20.705 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.6	79.7
134	28.2	14.0	41.9

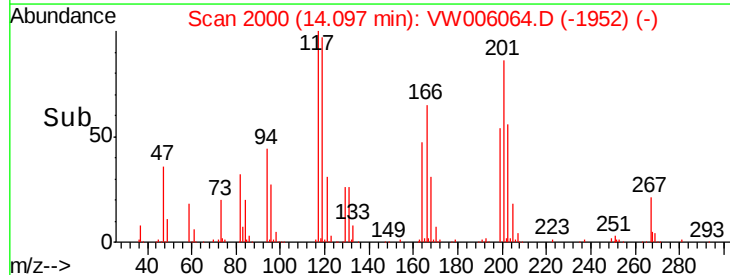
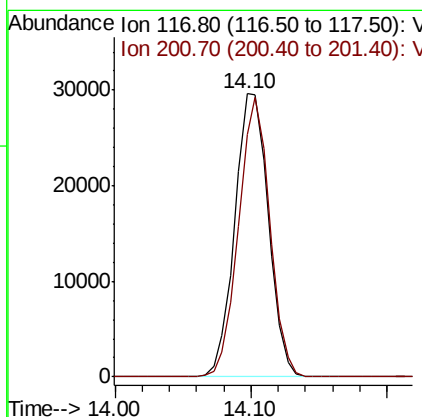
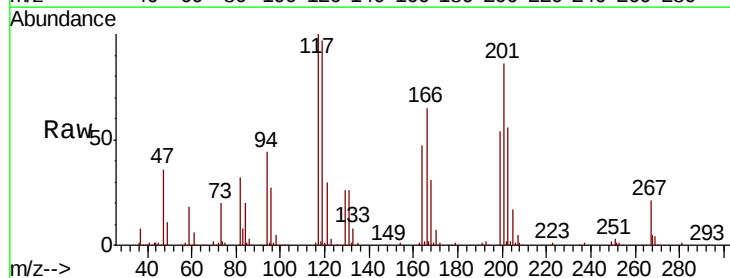
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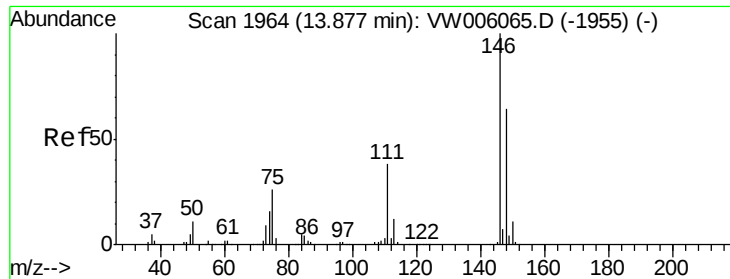
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#90
Hexachloroethane
Concen: 18.669 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	45.3	135.9





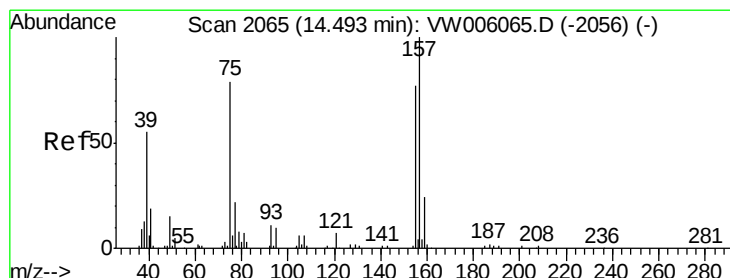
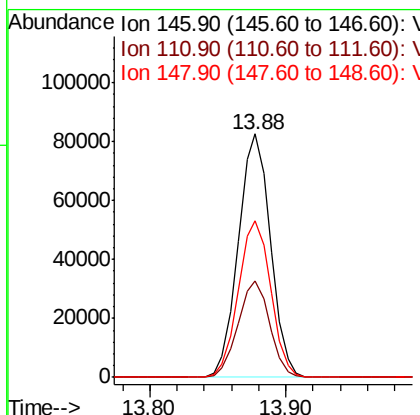
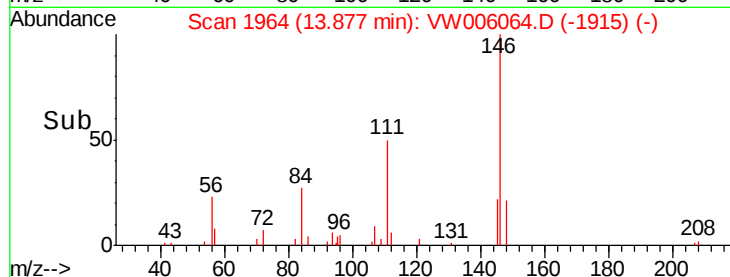
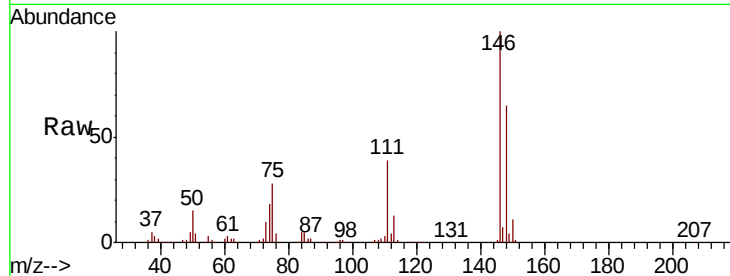
#91
 1,2-Dichlorobenzene
 Concen: 20.945 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	64.6	32.2	96.6

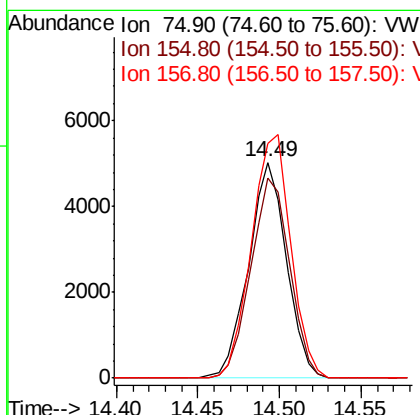
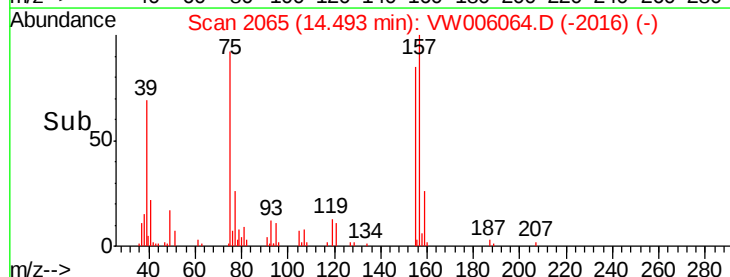
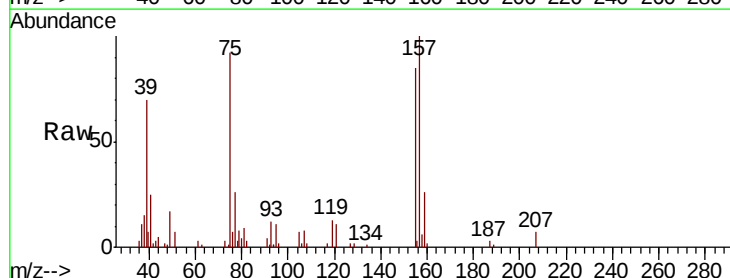
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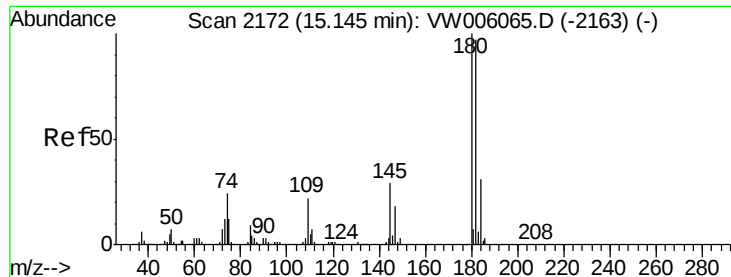
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.396 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	46.5	139.5
157	117.0	59.8	179.4





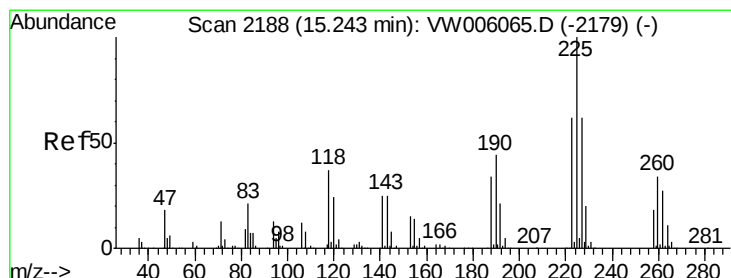
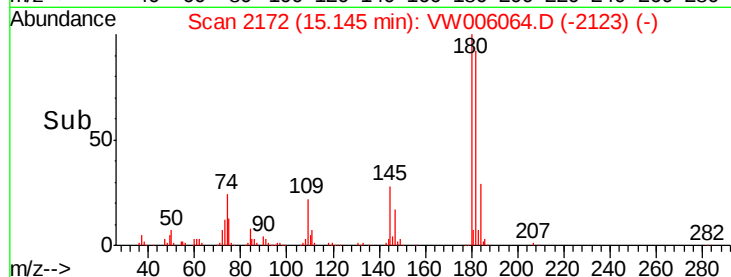
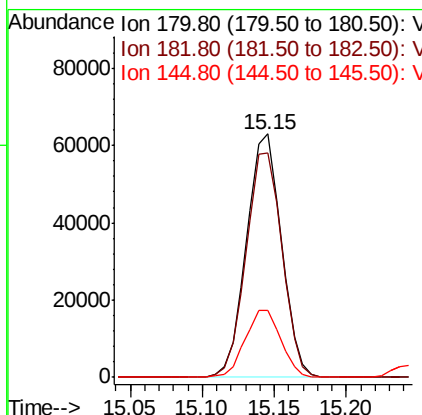
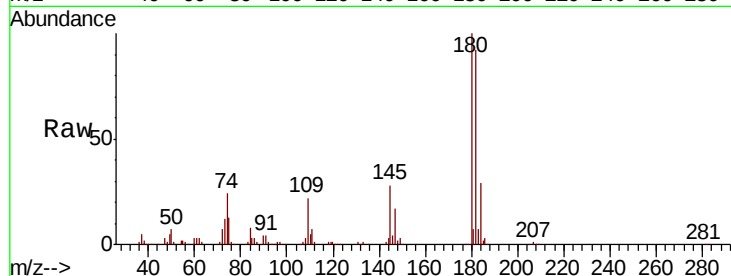
#93
 1,2,4-Trichlorobenzene
 Concen: 21.085 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105700		
182	94.8	47.9	143.6	
145	28.2	14.2	42.8	

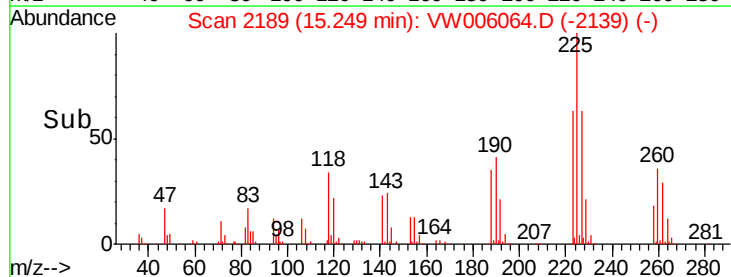
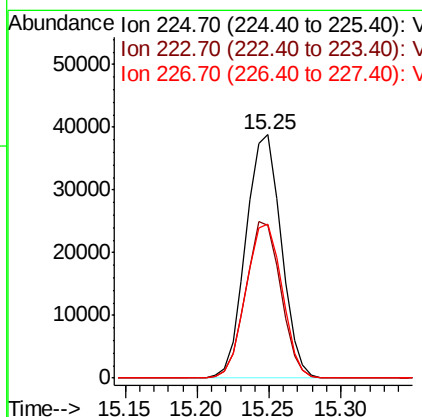
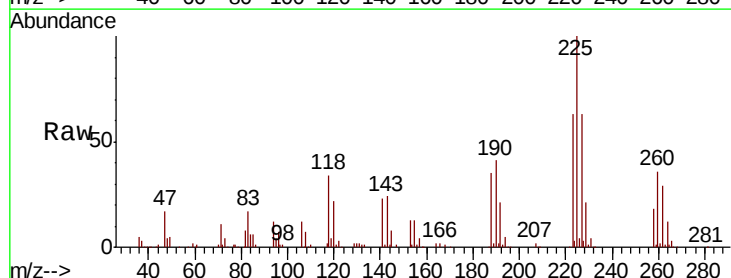
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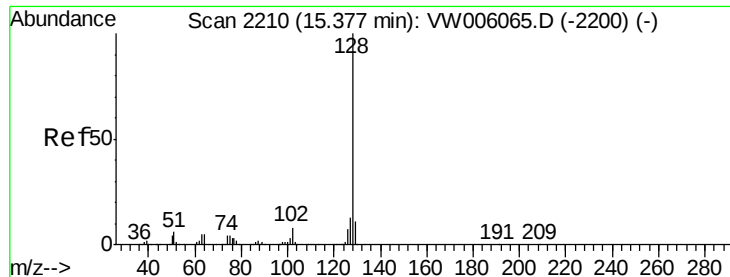
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#94
 Hexachlorobutadiene
 Concen: 21.100 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW006064.D
 Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66060		
223	63.9	31.1	93.5	
227	64.8	32.4	97.0	





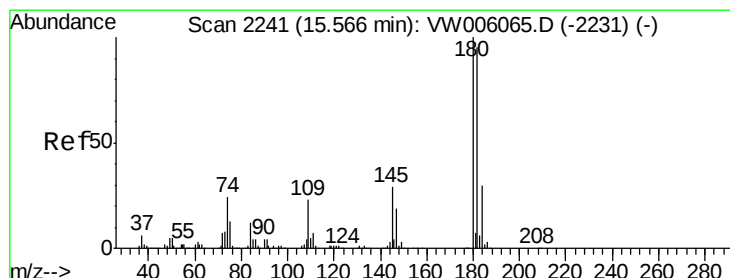
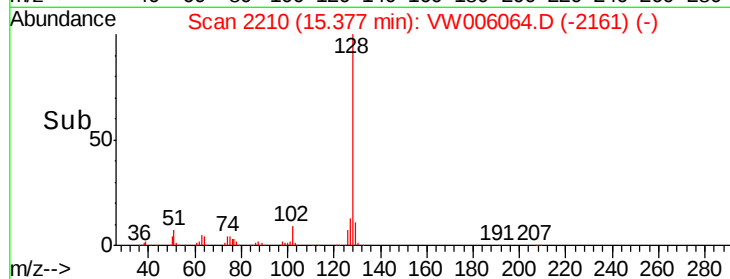
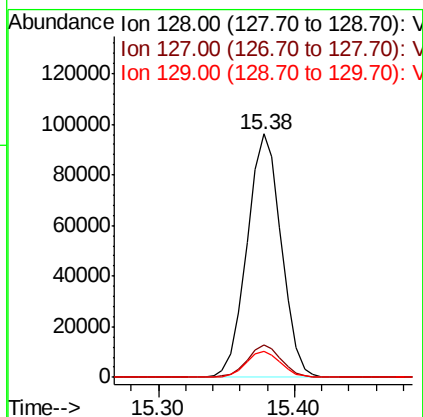
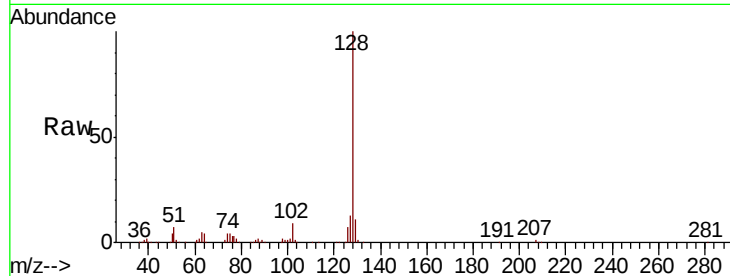
#95
Naphthalene
Concen: 19.678 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	169516		
127	13.1	10.3	15.5	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

apatel
10/16/2018 10:33:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.775 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006064.D
Acq: 15 Oct 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90212		
182	96.8	47.8	143.3	
145	30.4	15.0	45.1	

