

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100418\
 Data File : VW005835.D
 Acq On : 04 Oct 2018 04:03
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 10/4/2018 2:47:04 PM

Quant Time: Oct 04 06:47:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 05:22:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	177474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	273718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	262719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	143730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	45215	21.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.96%	
35) Dibromofluoromethane	7.89	113	37012	21.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.70%	
50) Toluene-d8	10.33	98	143551	20.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.90%	
62) 4-Bromofluorobenzene	12.62	95	54368	20.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	20989	17.694	ug/l	100
3) Chloromethane	2.21	50	22181	15.816	ug/l	92
4) Vinyl Chloride	2.37	62	34164	19.789	ug/l	99
5) Bromomethane	2.79	94	23997	20.483	ug/l	94
6) Chloroethane	2.93	64	20875	18.870	ug/l	95
7) Trichlorofluoromethane	3.26	101	22880	17.234	ug/l	100
8) Diethyl Ether	3.68	74	18417	20.626	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32566	19.158	ug/l	98
10) Methyl Iodide	4.27	142	53731	20.311	ug/l	100
11) Tert butyl alcohol	5.23	59	14405m	118.325	ug/l	
12) 1,1-Dichloroethene	4.04	96	31764	19.387	ug/l	94
13) Acrolein	3.90	56	15145	160.437	ug/l	99
14) Allyl chloride	4.67	41	51041	18.090	ug/l	100
15) Acrylonitrile	5.38	53	41768	105.638	ug/l	99
16) Acetone	4.14	43	37318	99.161	ug/l	97
17) Carbon Disulfide	4.37	76	94711	18.348	ug/l	98
18) Methyl Acetate	4.68	43	20497	20.213	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	54447	21.282	ug/l	97
20) Methylene Chloride	4.92	84	46470	21.834	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	35053	19.537	ug/l	92
22) Diisopropyl ether	6.32	45	110675	20.136	ug/l	99
23) Vinyl Acetate	6.26	43	311274	98.563	ug/l	100
24) 1,1-Dichloroethane	6.22	63	68597	20.099	ug/l	99
25) 2-Butanone	7.18	43	54300	105.146	ug/l	97
26) 2,2-Dichloropropane	7.17	77	42379	18.139	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	39641	20.077	ug/l	98
28) Bromochloromethane	7.52	49	26048	19.630	ug/l	98
29) Tetrahydrofuran	7.54	42	33781	104.487	ug/l	99
30) Chloroform	7.68	83	73967	20.899	ug/l	100
31) Cyclohexane	7.96	56	54448	16.817	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	62506	20.099	ug/l	99
36) 1,1-Dichloropropene	8.09	75	52077	18.769	ug/l	99
37) Ethyl Acetate	7.27	43	23355	19.861	ug/l	99
38) Carbon Tetrachloride	8.07	117	58516	19.659	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	56419	17.295	ug/l	96
40) Benzene	8.33	78	156751	19.871	ug/l	100
41) Methacrylonitrile	7.49	41	14656	21.548	ug/l	97
42) 1,2-Dichloroethane	8.40	62	54228	21.218	ug/l	99
43) Isopropyl Acetate	8.43	43	46474	19.993	ug/l	99
44) Trichloroethene	9.10	130	40269	19.876	ug/l	95
45) 1,2-Dichloropropane	9.37	63	37046	19.279	ug/l	98
46) Dibromomethane	9.46	93	21117	21.548	ug/l	98
47) Bromodichloromethane	9.65	83	53651	20.543	ug/l	96
48) Methyl methacrylate	9.44	41	22141	20.027	ug/l	98
49) 1,4-Dioxane	9.48	88	6953	444.508	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	123645	105.254	ug/l	99
52) Toluene	10.39	92	97944	19.853	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	52560	20.093	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	58835	20.099	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30143	21.617	ug/l	97
56) Ethyl methacrylate	10.65	69	35318	20.533	ug/l	97
57) 1,3-Dichloropropane	10.94	76	51112	20.789	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	78258	102.380	ug/l	100
59) 2-Hexanone	10.98	43	83163	104.457	ug/l	100
60) Dibromochloromethane	11.13	129	36923	21.741	ug/l	97
61) 1,2-Dibromoethane	11.24	107	28025	21.510	ug/l	98
64) Tetrachloroethene	10.87	164	38965	20.474	ug/l	99
65) Chlorobenzene	11.66	112	112674	20.035	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	42326	20.769	ug/l	99
67) Ethyl Benzene	11.74	91	189397	19.027	ug/l	97
68) m/p-Xylenes	11.85	106	148319	39.305	ug/l	99
69) o-Xylene	12.17	106	67993	19.256	ug/l	97
70) Styrene	12.19	104	119030	20.035	ug/l	99
71) Bromoform	12.35	173	23675	21.646	ug/l #	100
73) Isopropylbenzene	12.47	105	191193	19.160	ug/l	99
74) N-amyl acetate	12.28	43	44250	19.528	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	35912	21.390	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30231m	24.261	ug/l	
77) Bromobenzene	12.76	156	48756	20.628	ug/l	99
78) n-propylbenzene	12.81	91	231444	19.209	ug/l	99
79) 2-Chlorotoluene	12.90	91	139070	19.861	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	171255	19.721	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	10252	18.730	ug/l	94
82) 4-Chlorotoluene	12.99	91	146542	19.839	ug/l	99
83) tert-Butylbenzene	13.21	119	138372	18.982	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	175855	20.029	ug/l	98
85) sec-Butylbenzene	13.39	105	205682	19.505	ug/l	99
86) p-Isopropyltoluene	13.51	119	182715	19.272	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	100024	20.747	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	98967	20.667	ug/l	99
89) n-Butylbenzene	13.83	91	165695	18.638	ug/l	99
90) Hexachloroethane	14.10	117	34386	20.000	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	90819	21.257	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6829	21.124	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	63123	20.813	ug/l	99
94) Hexachlorobutadiene	15.24	225	38327	19.612	ug/l	97
95) Naphthalene	15.38	128	106898	20.704	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	57087	21.242	ug/l	99

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

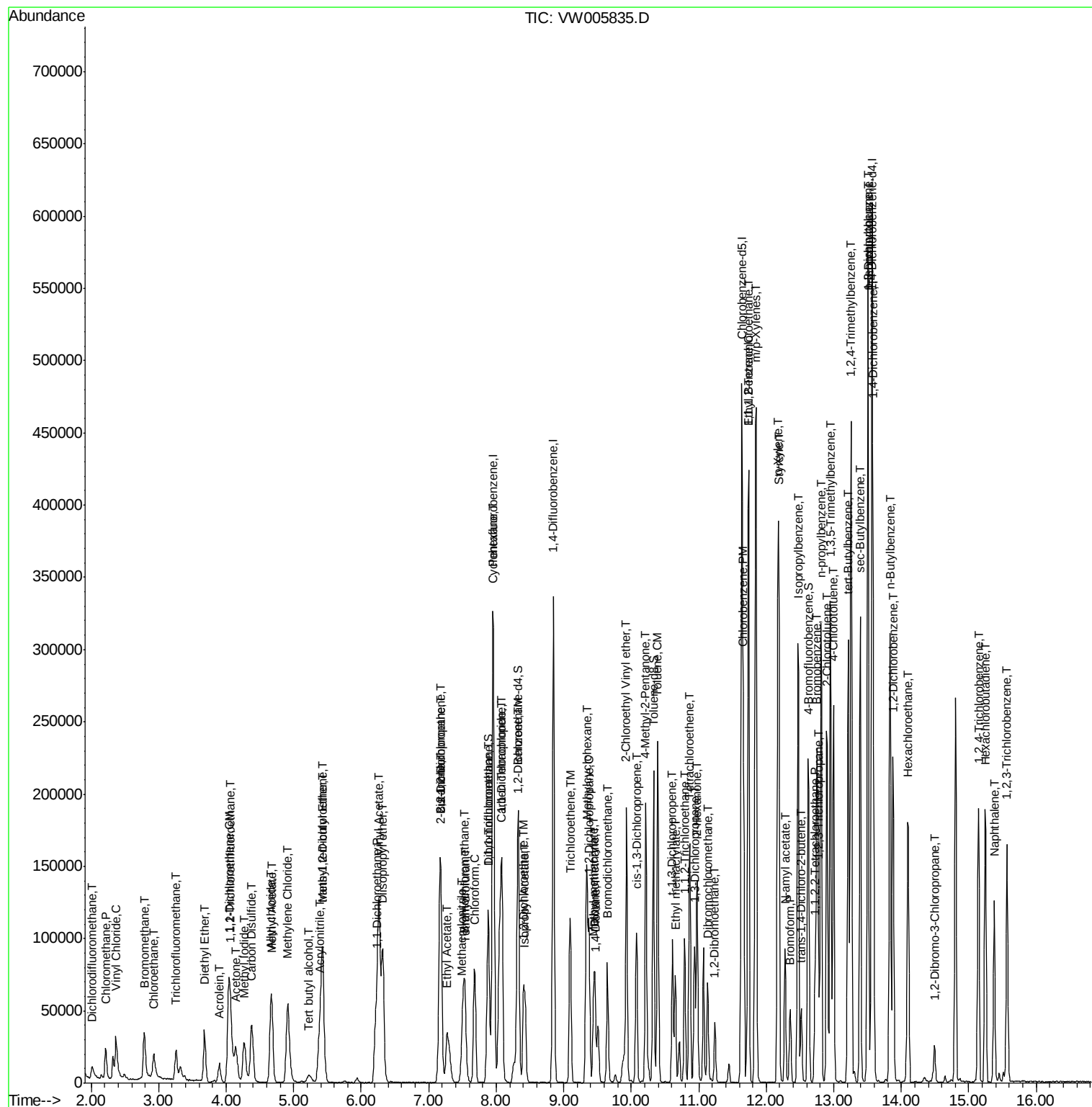
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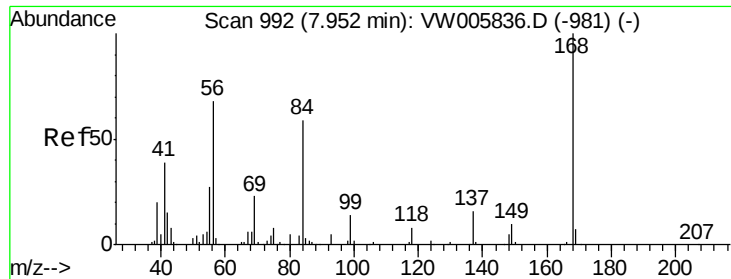
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 177474

Ion Ratio Lower Upper

168 100

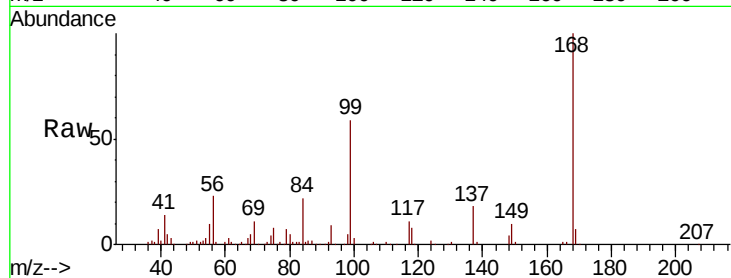
99 59.1 45.4 68.2

Manual Integrations

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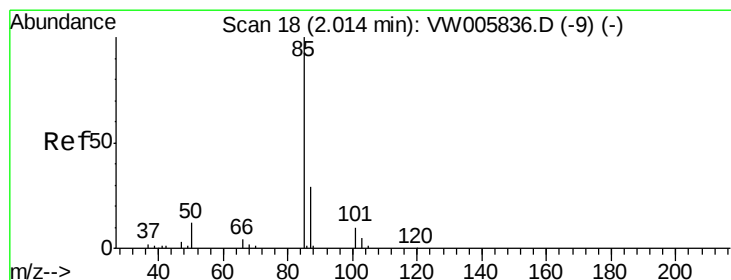
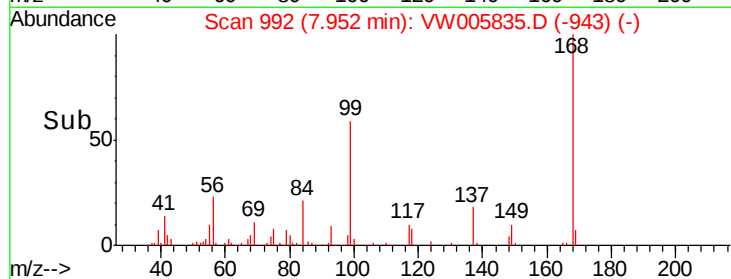
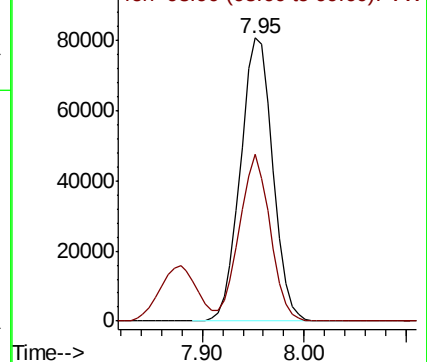
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.694 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005835.D

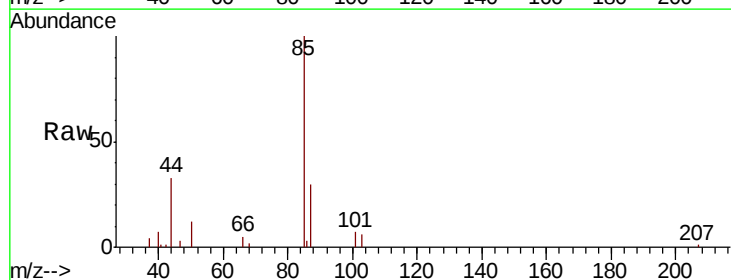
Acq: 04 Oct 2018 04:03

Tgt Ion: 85 Resp: 20989

Ion Ratio Lower Upper

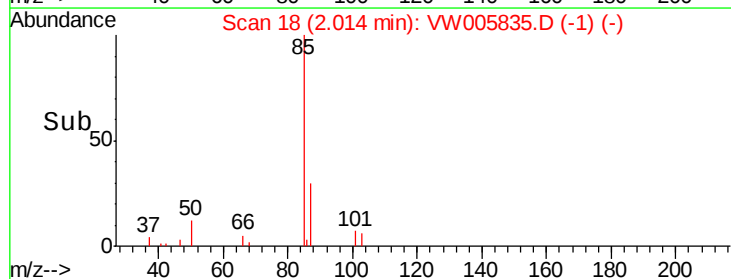
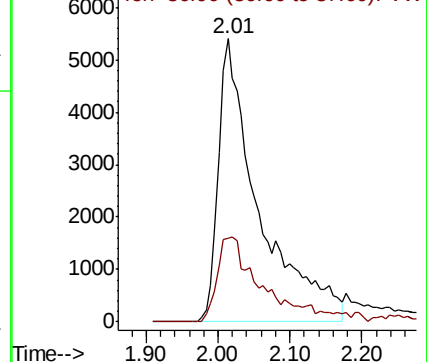
85 100

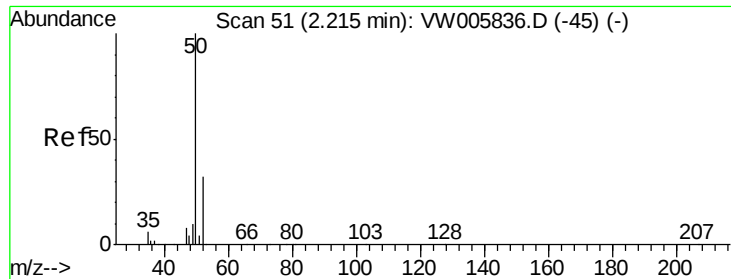
87 29.5 14.8 44.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 15.816 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 22181

Ion Ratio Lower Upper

50 100

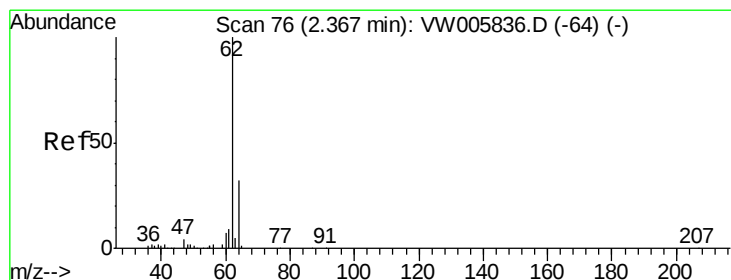
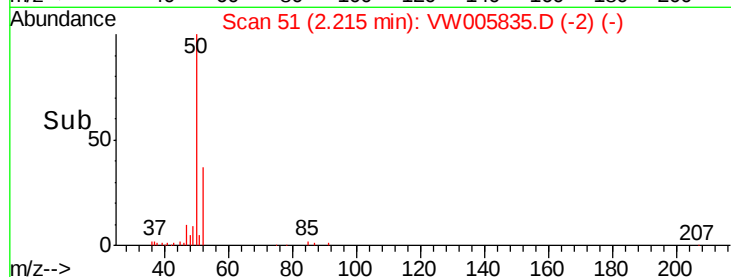
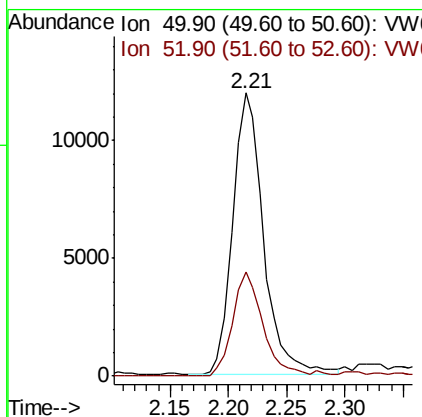
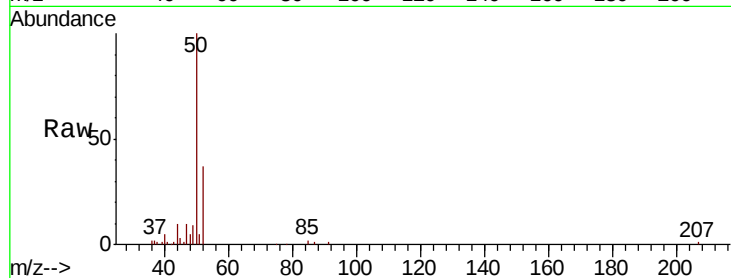
52 37.2 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.789 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005835.D

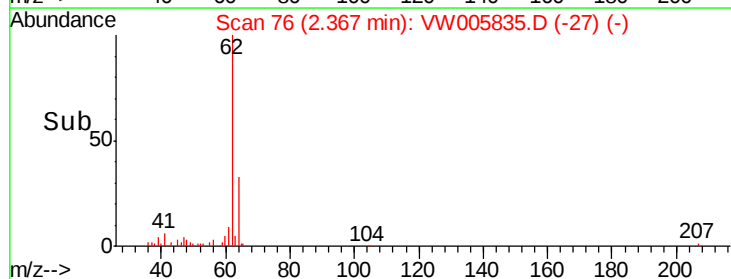
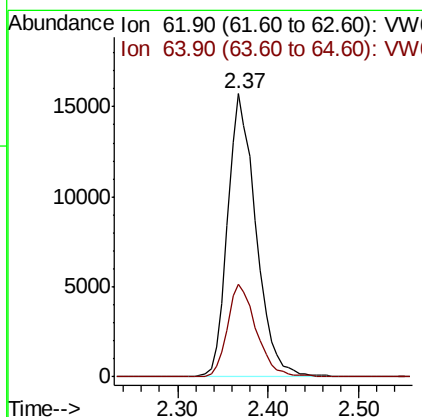
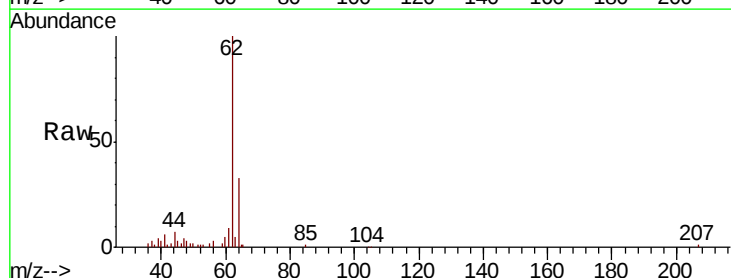
Acq: 04 Oct 2018 04:03

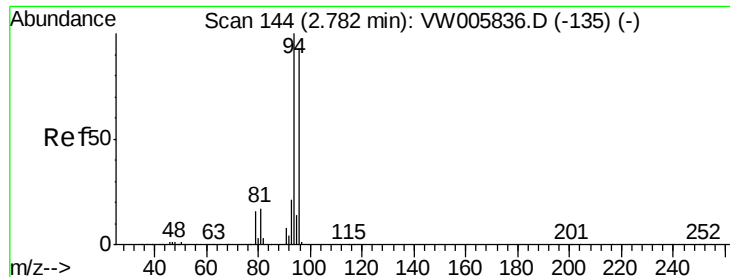
Tgt Ion: 62 Resp: 34164

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 20.483 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

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Tot Ion: 94 Resp: 23997

Ion Ratio Lower Upper

94 100

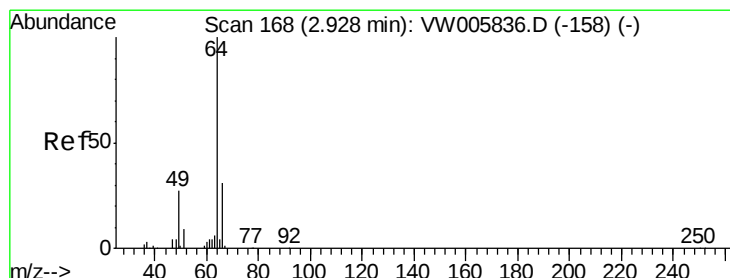
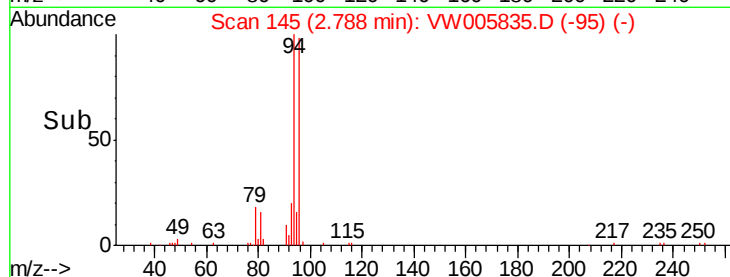
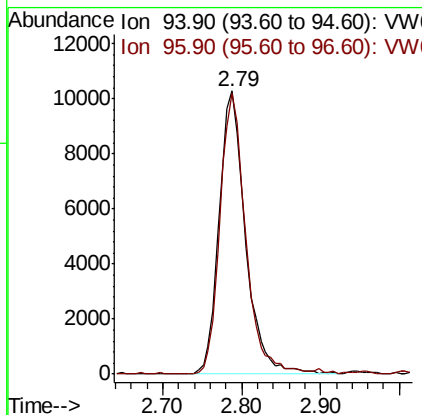
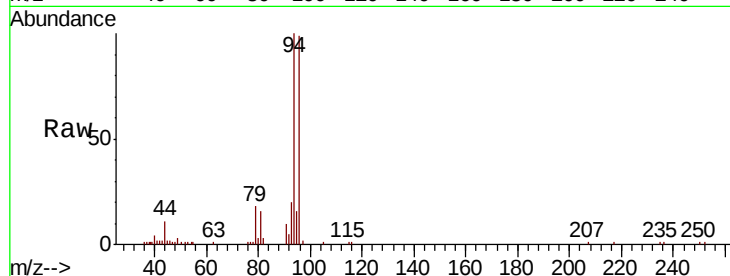
96 99.1 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 18.870 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

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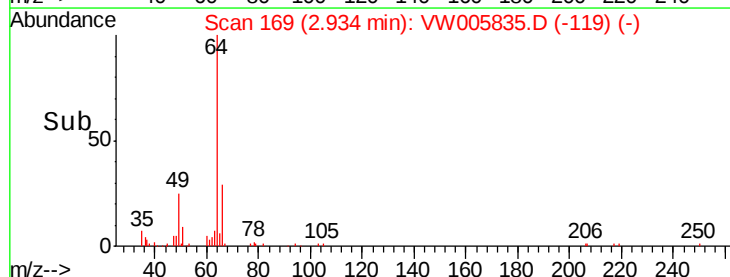
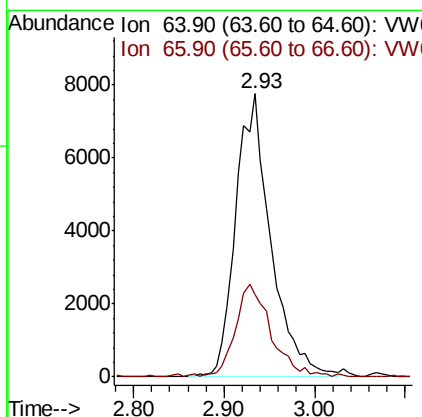
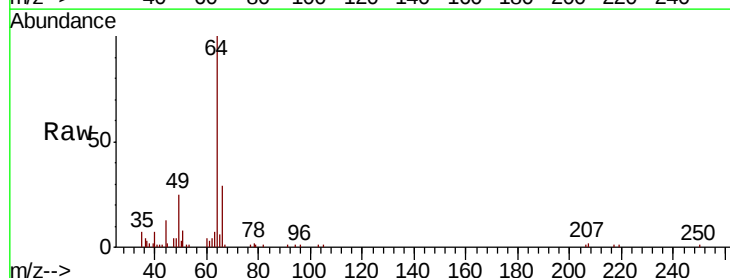
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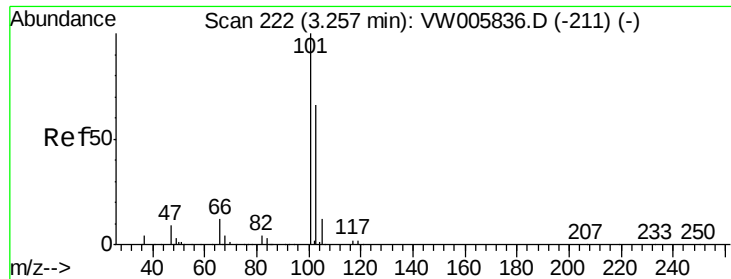
Tgt Ion: 64 Resp: 20875

Ion Ratio Lower Upper

64 100

66 28.5 25.0 37.6





#7

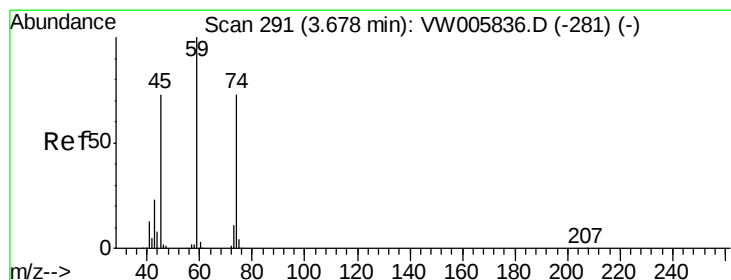
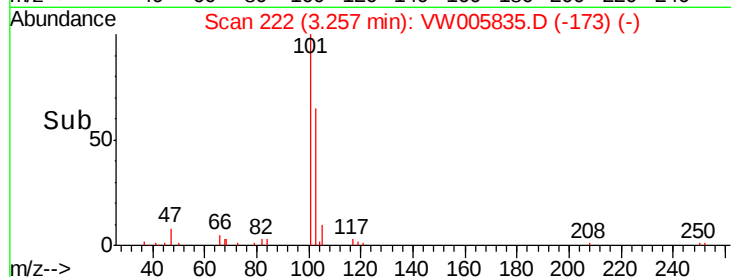
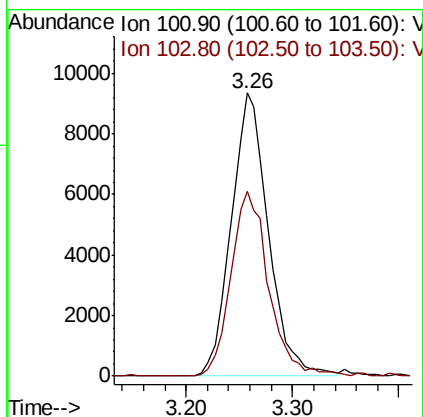
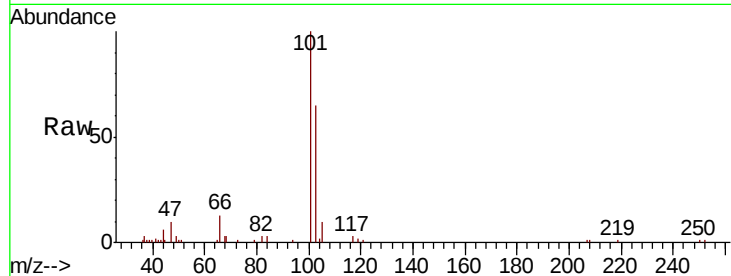
Trichlorofluoromethane
 Concen: 17.234 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.5	78.7

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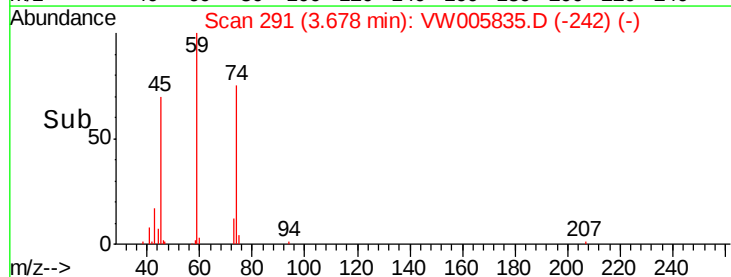
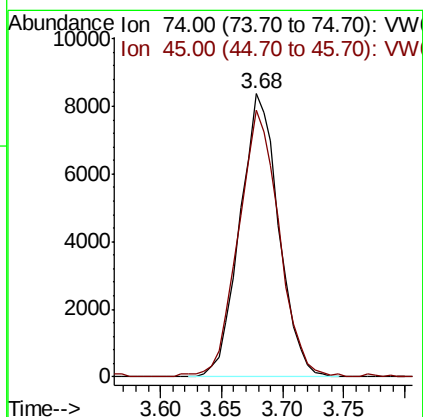
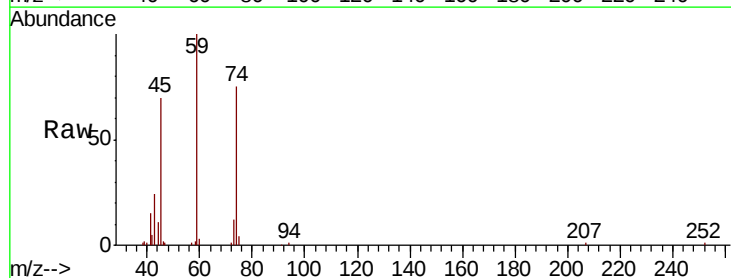
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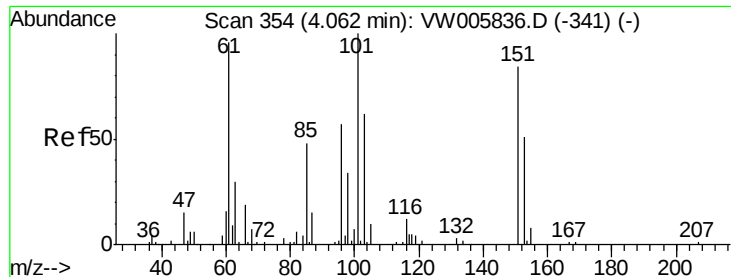


#8

Diethyl Ether
 Concen: 20.626 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	49.1	147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.158 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

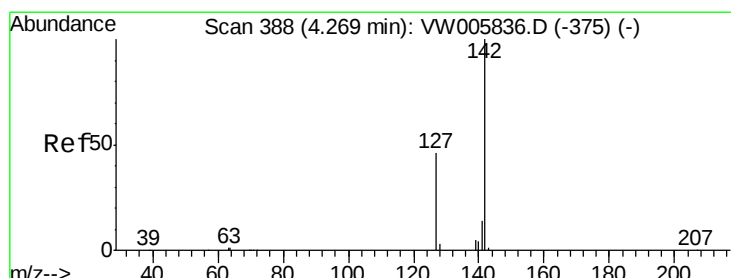
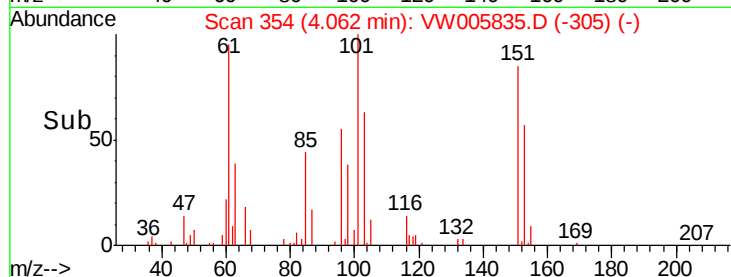
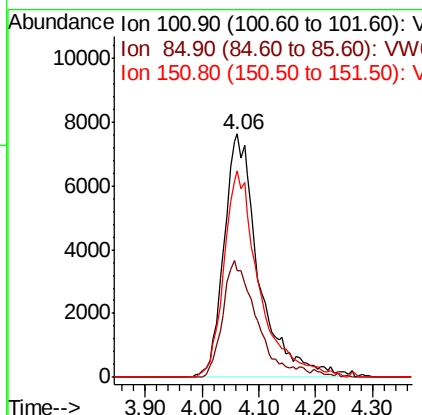
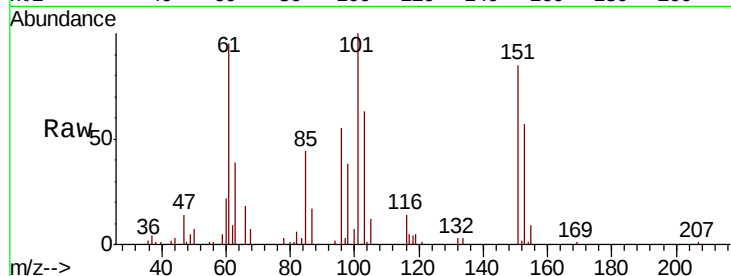
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	32566
Ion Ratio	Lower	Upper	
101	100		
85	46.5	35.5	53.3
151	85.5	67.4	101.2

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#10

Methyl Iodide

Concen: 20.311 ug/l

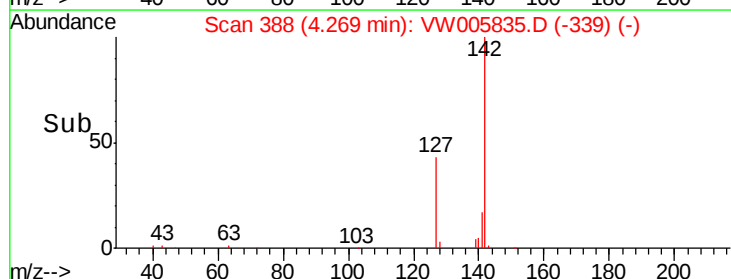
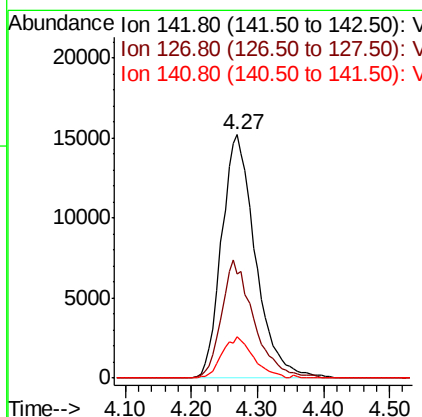
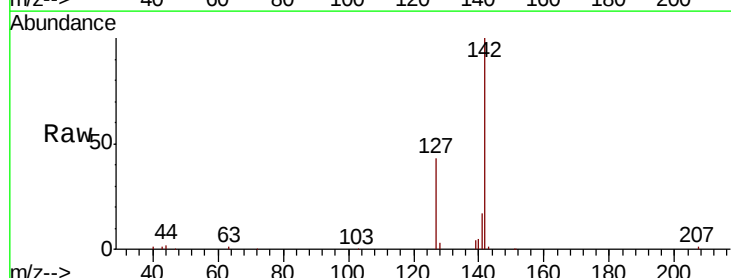
RT: 4.27 min Scan# 388

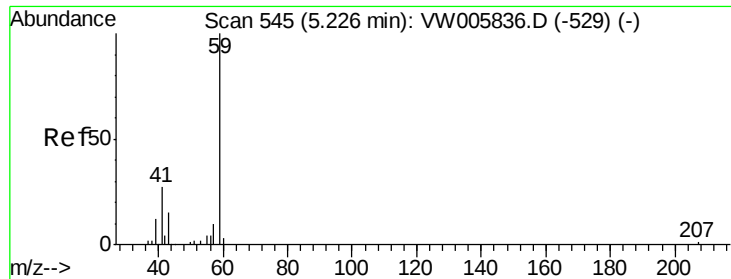
Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Tgt Ion:	142	Resp:	53731
Ion Ratio	Lower	Upper	
142	100		
127	46.5	37.4	56.0
141	15.6	12.2	18.2





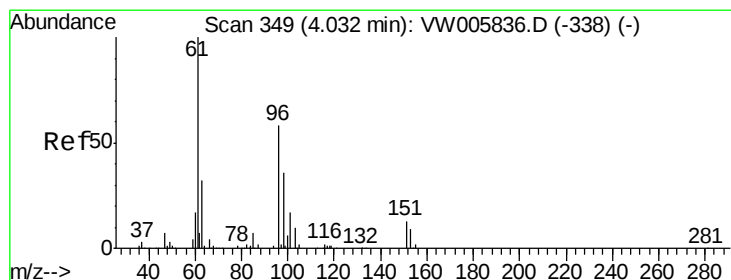
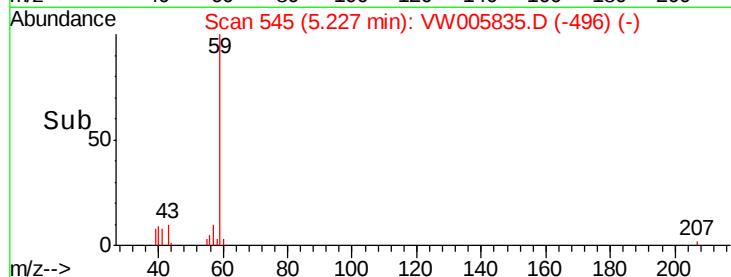
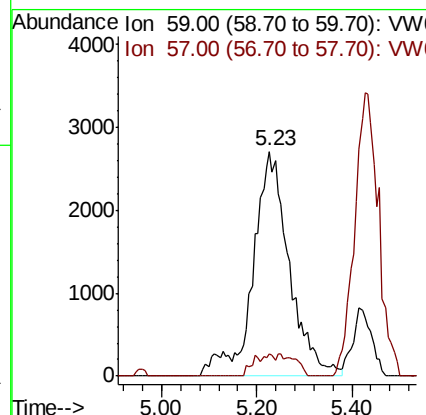
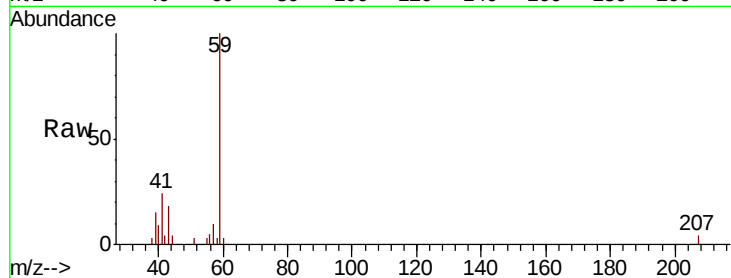
#11
Tert butyl alcohol
Concen: 118.325 ug/l m
RT: 5.23 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.9	7.3#

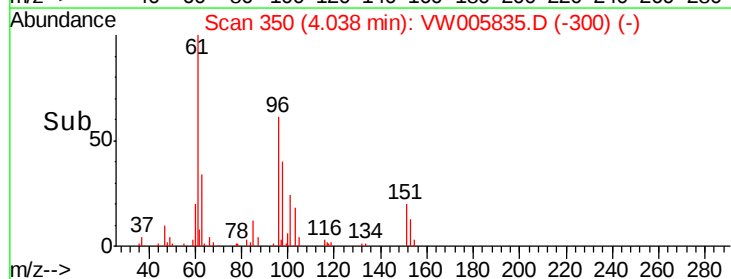
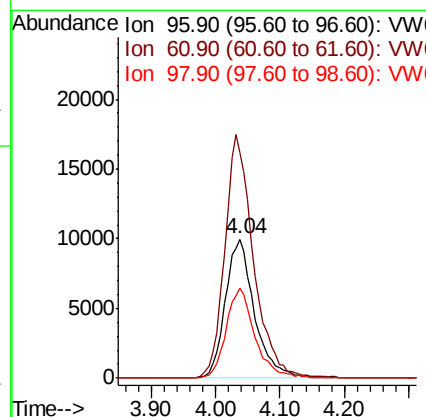
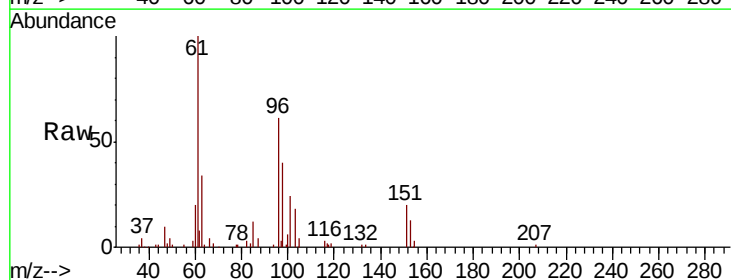
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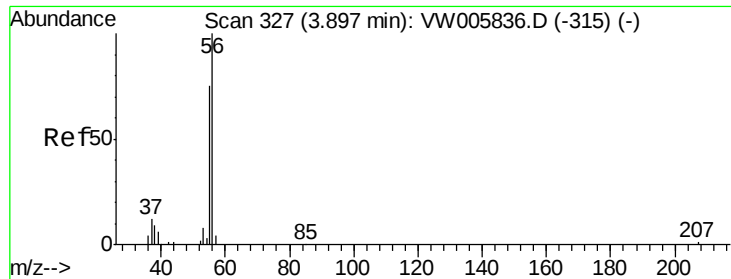
apatel
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#12
1,1-Dichloroethene
Concen: 19.387 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.7	138.8	208.2
98	64.4	50.6	75.8





#13

Acrolein

Concen: 160.437 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 15145

Ion Ratio Lower Upper

56 100

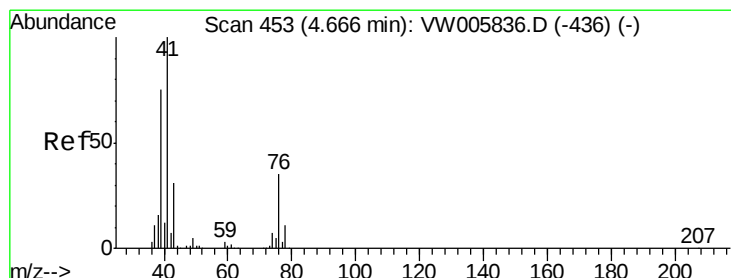
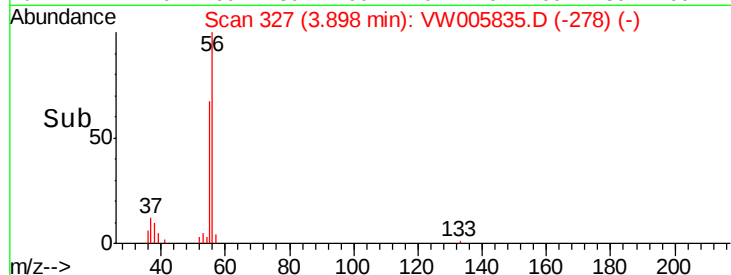
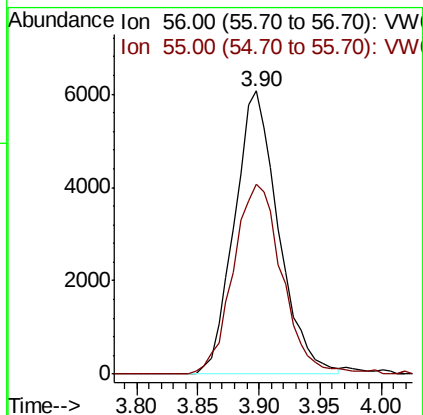
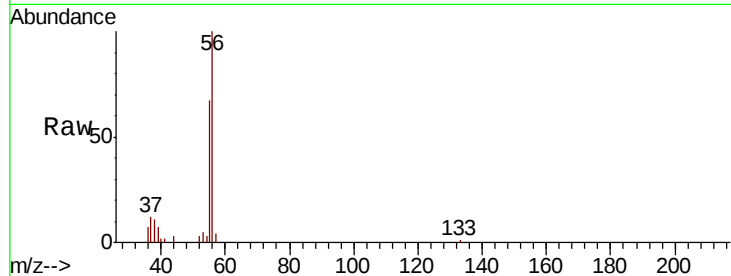
55 74.8 59.2 88.8

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#14

Allyl chloride

Concen: 18.090 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

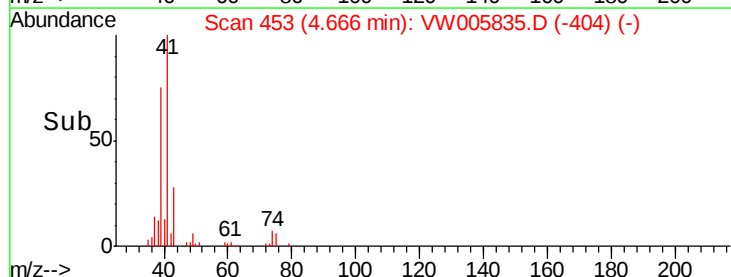
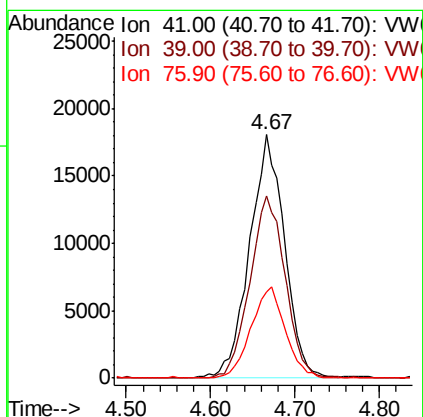
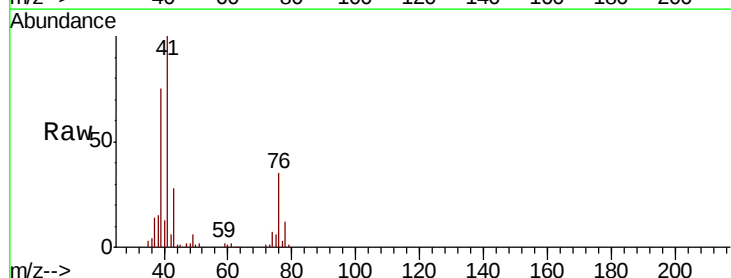
Tgt Ion: 41 Resp: 51041

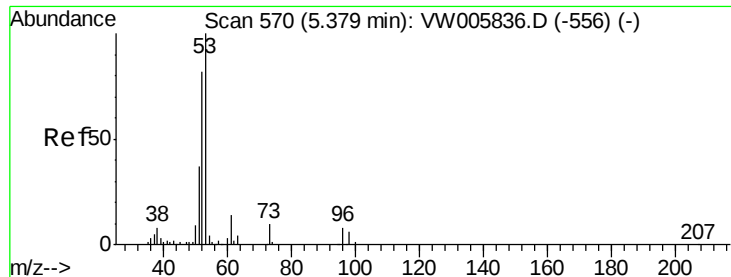
Ion Ratio Lower Upper

41 100

39 75.3 60.3 90.5

76 36.6 28.9 43.3





#15

Acrylonitrile

Concen: 105.638 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

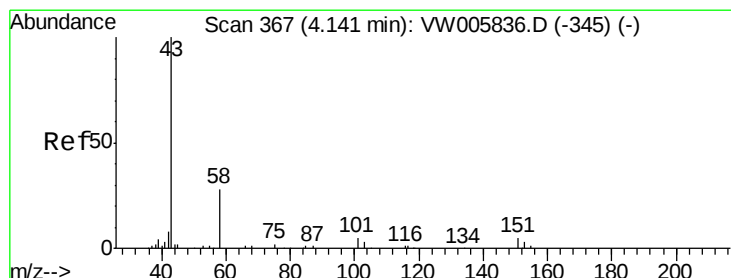
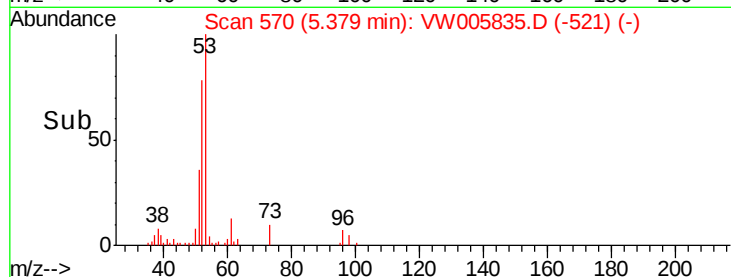
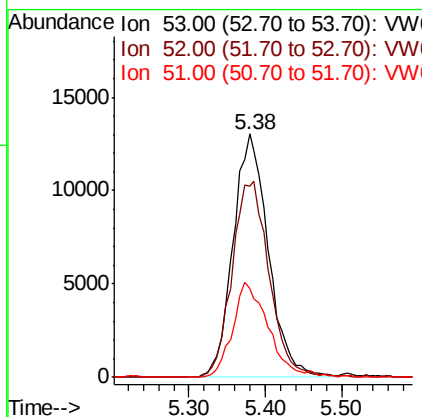
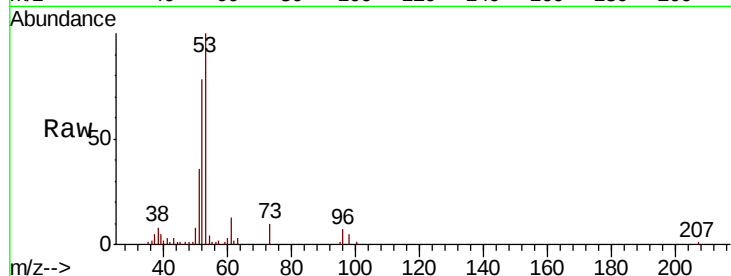
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	41768
Ion	Ratio	Lower	Upper
53	100		
52	84.5	67.3	100.9
51	39.3	30.2	45.2

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#16

Acetone

Concen: 99.161 ug/l

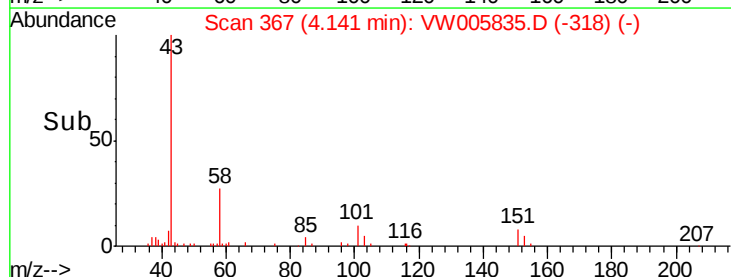
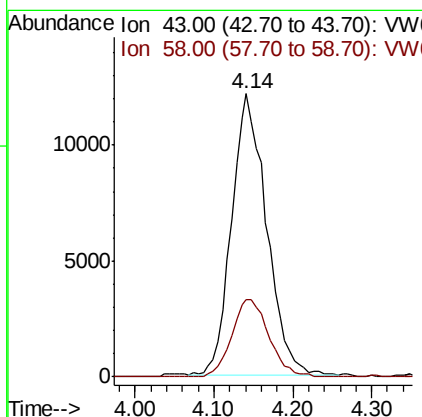
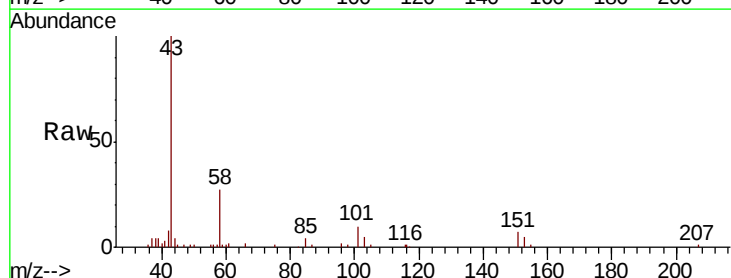
RT: 4.14 min Scan# 367

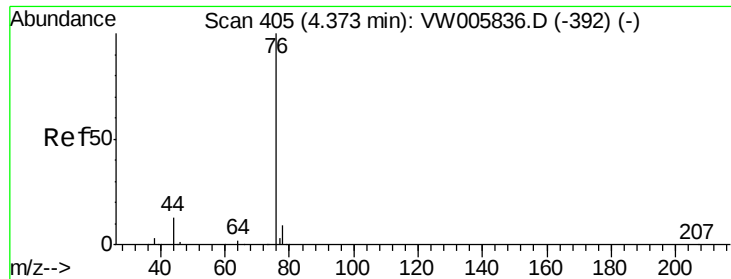
Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Tgt Ion:	43	Resp:	37318
Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.0	34.4





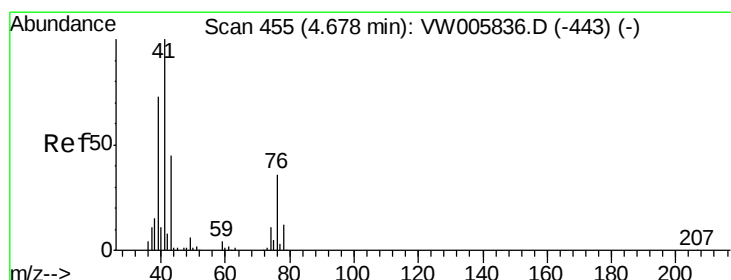
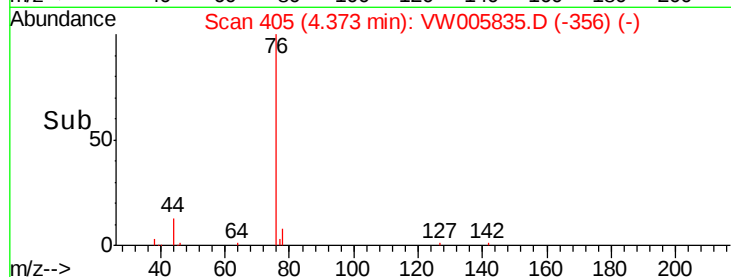
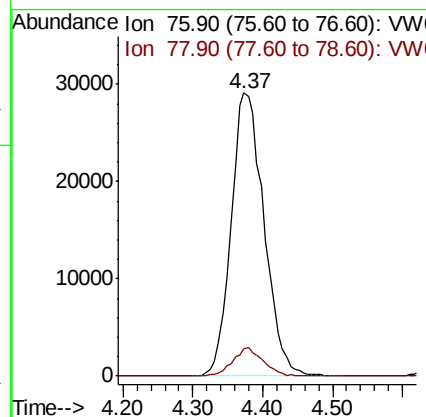
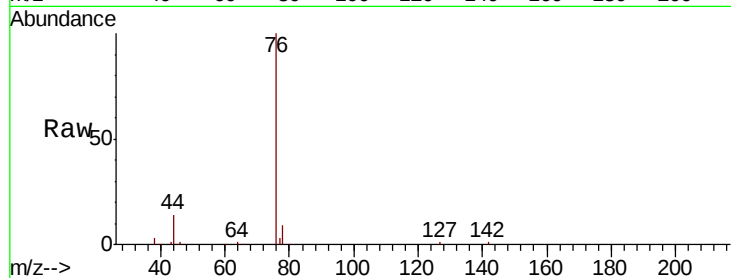
#17
Carbon Disulfide
Concen: 18.348 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

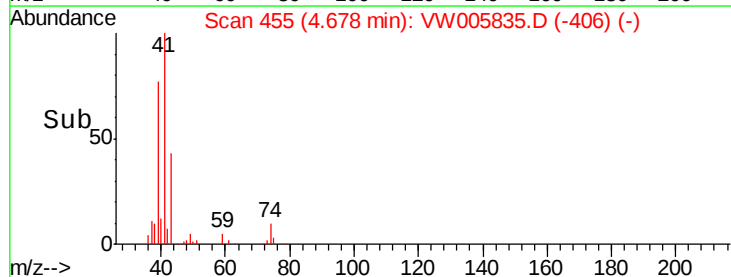
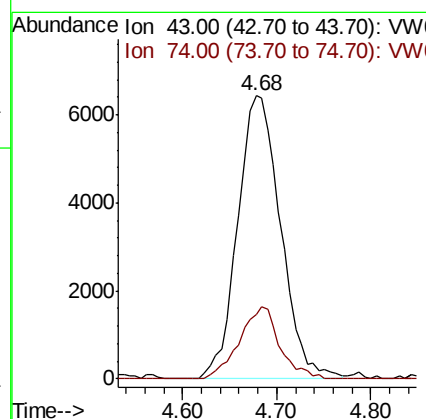
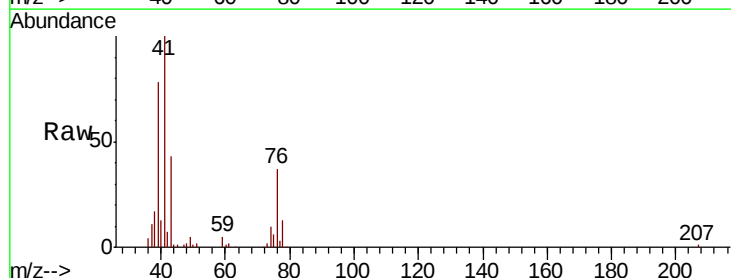
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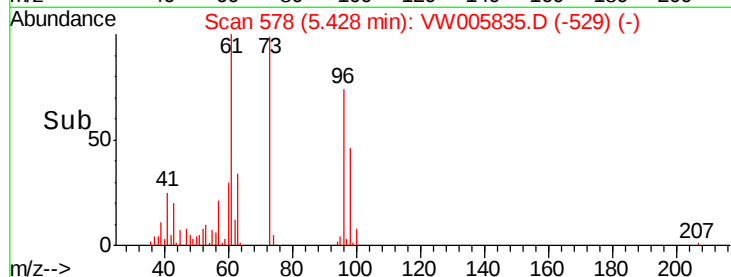
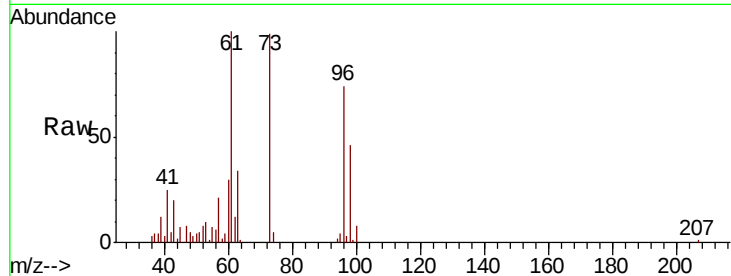
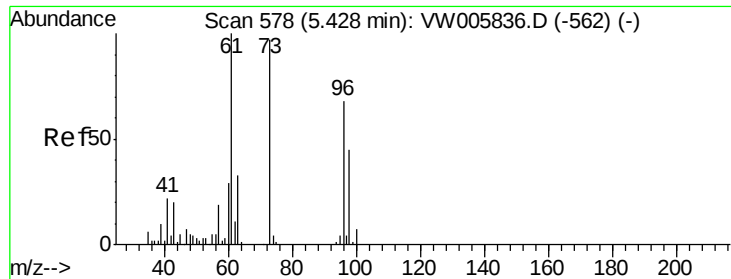
apatel
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#18
Methyl Acetate
Concen: 20.213 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.5	29.3





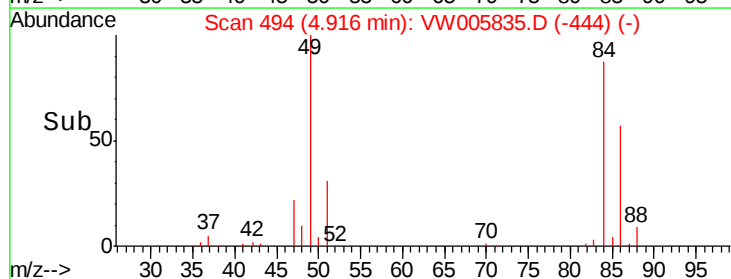
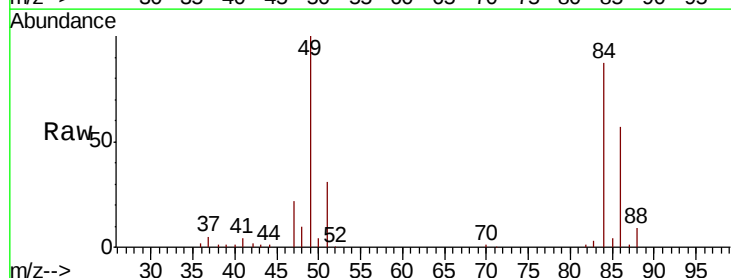
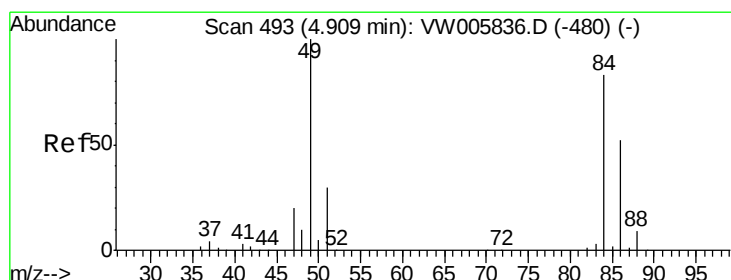
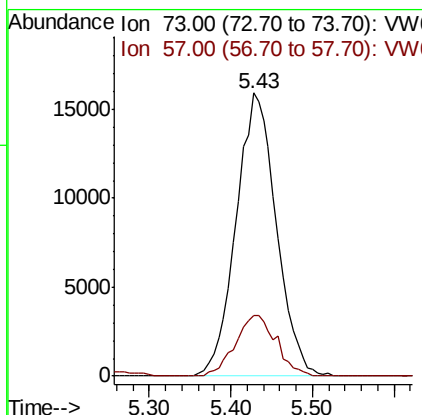
#19
Methvl tert-butvl Ether
Concen: 21.282 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tot Ion: 73 Resp: 54447
Ion Ratio Lower Upper
73 100
57 21.5 15.9 23.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

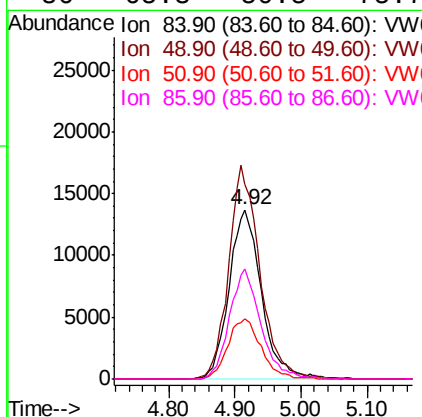
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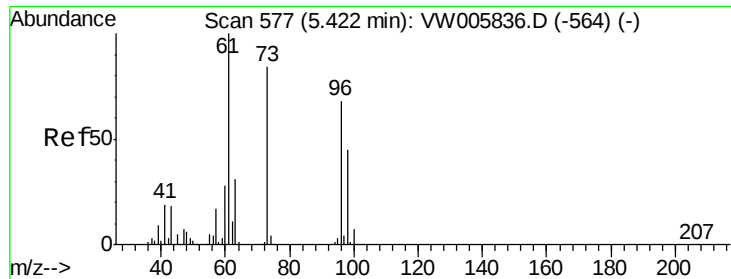
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#20
Methylene Chloride
Concen: 21.834 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 84 Resp: 46470
Ion Ratio Lower Upper
84 100
49 115.2 96.8 145.2
51 35.6 28.8 43.2
86 65.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.537 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

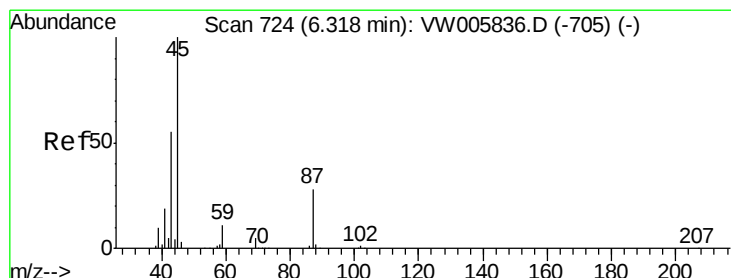
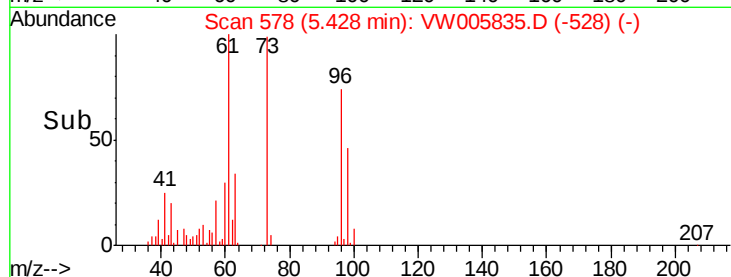
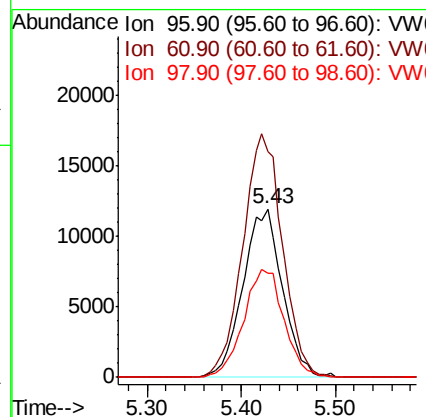
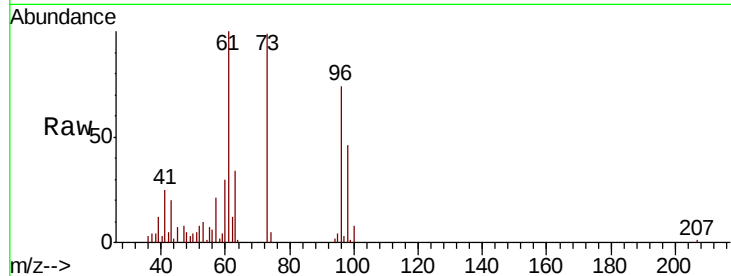
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	35053
Ion	Ratio	Lower	Upper
96	100		
61	134.6	117.0	175.6
98	62.1	52.2	78.2

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#22

Diisopropyl ether

Concen: 20.136 ug/l

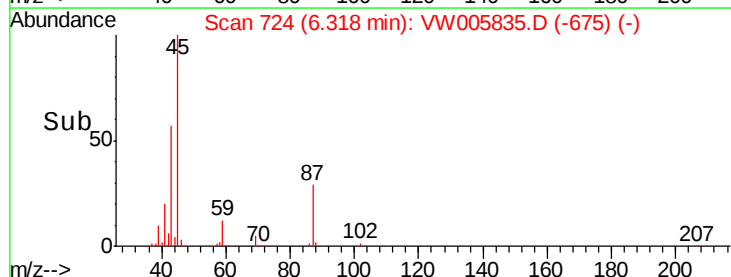
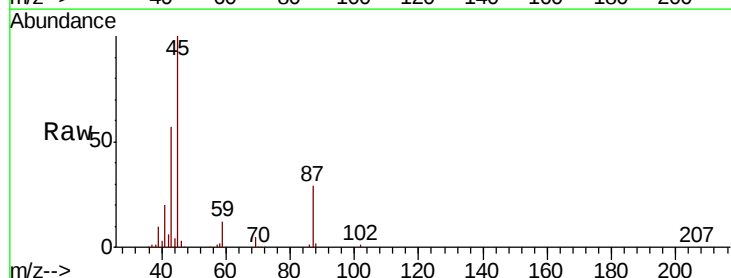
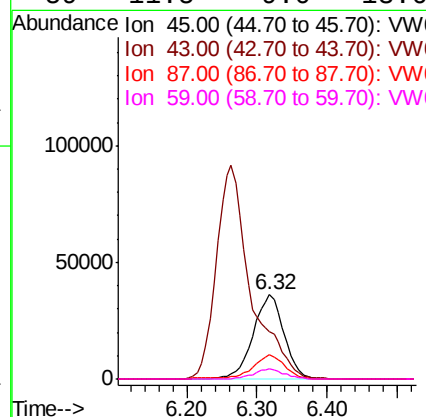
RT: 6.32 min Scan# 724

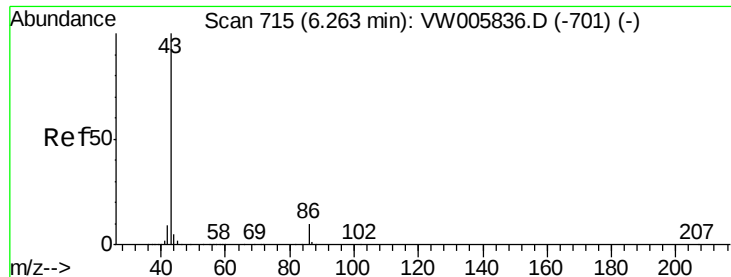
Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Tgt Ion:	45	Resp:	110675
Ion	Ratio	Lower	Upper
45	100		
43	56.4	44.6	67.0
87	28.7	23.4	35.2
59	11.5	9.0	13.6





#23

Vinyl Acetate

Concen: 98.563 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 311274

Ion Ratio Lower Upper

43 100

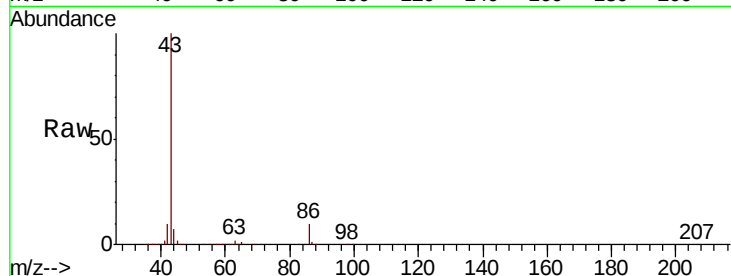
86 10.3 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

100000

80000

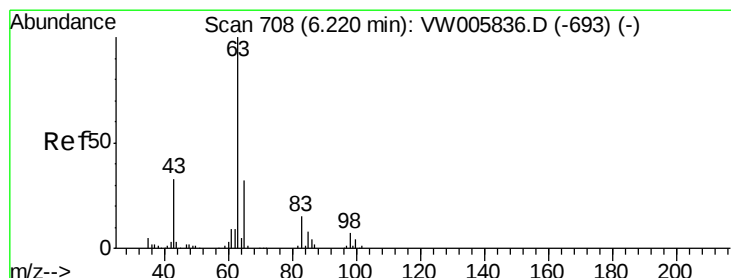
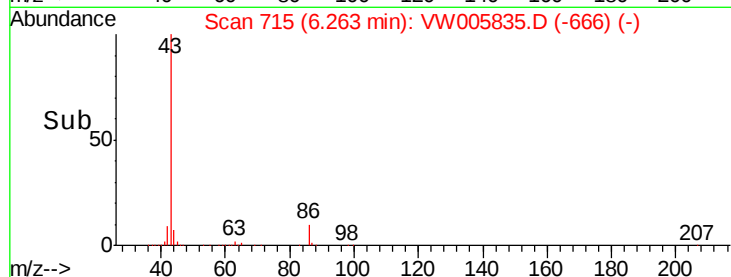
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.099 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

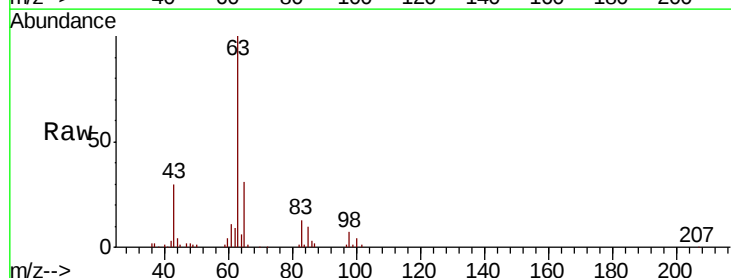
Tgt Ion: 63 Resp: 68597

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

30000

25000

20000

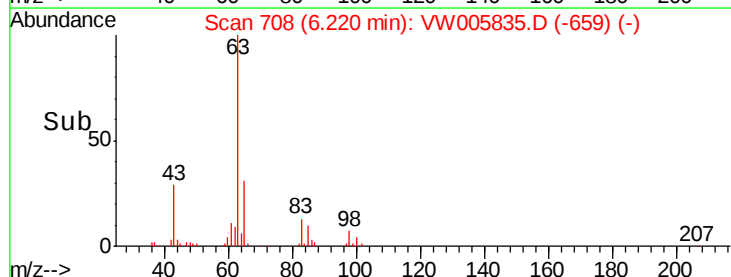
15000

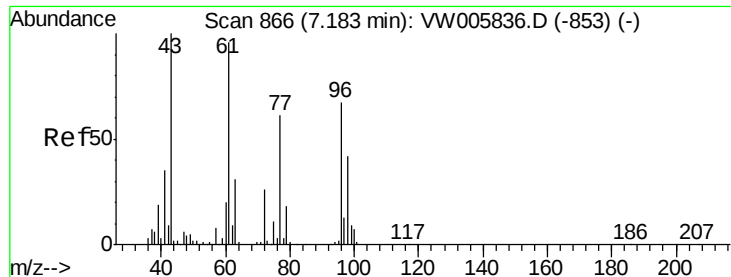
10000

5000

0

Time-->





#25

2-Butanone

Concen: 105.146 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 54300

Ion Ratio Lower Upper

43 100

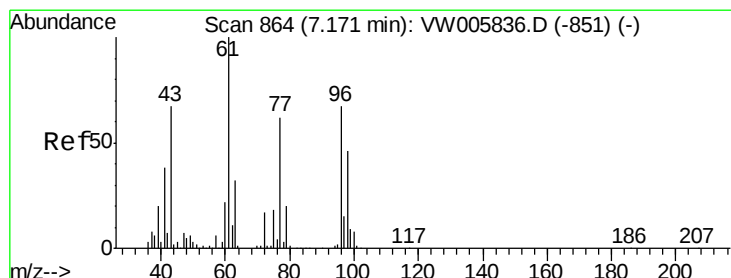
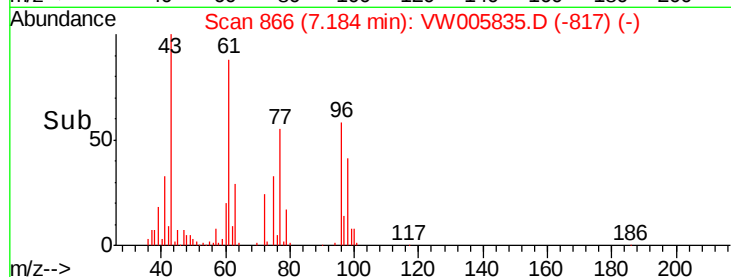
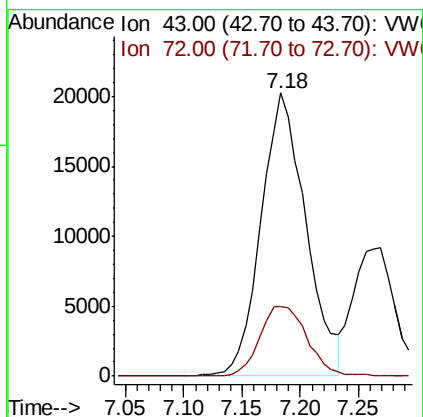
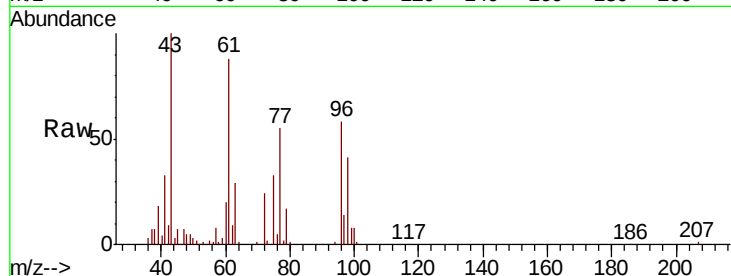
72 24.4 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 18.139 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW005835.D

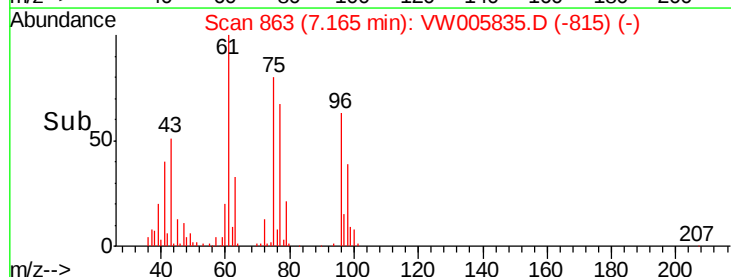
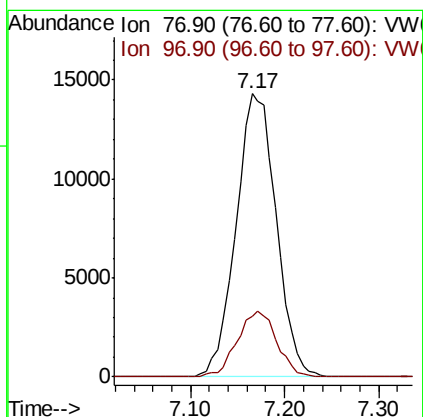
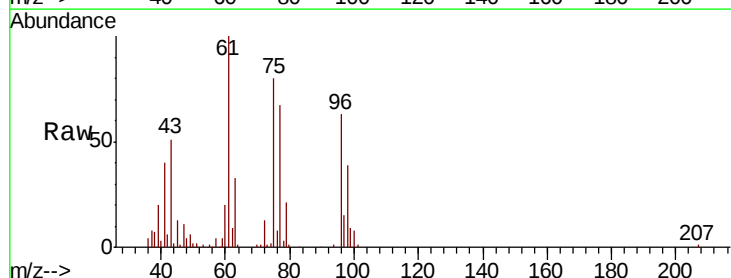
Acq: 04 Oct 2018 04:03

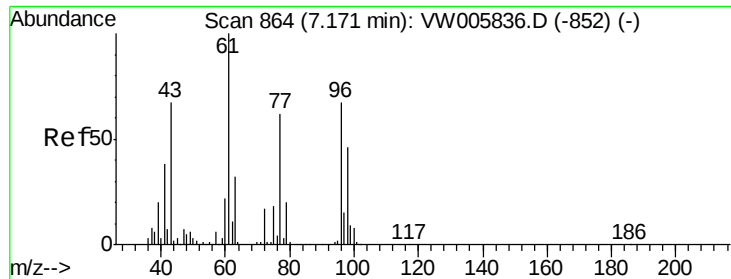
Tgt Ion: 77 Resp: 42379

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0





#27

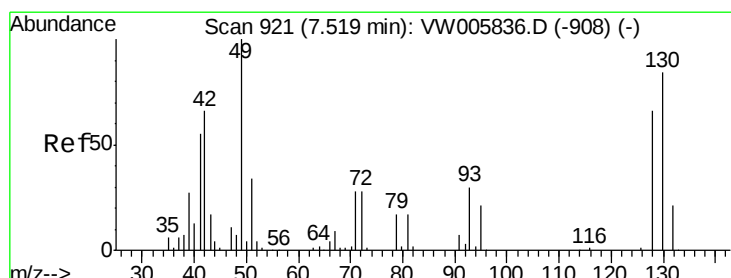
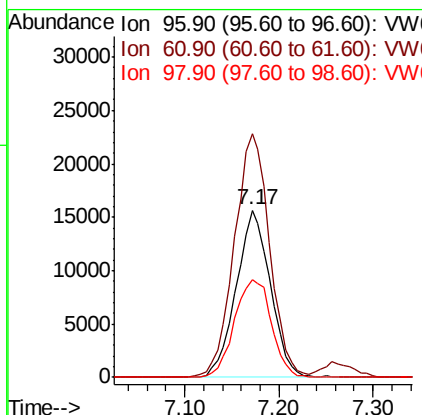
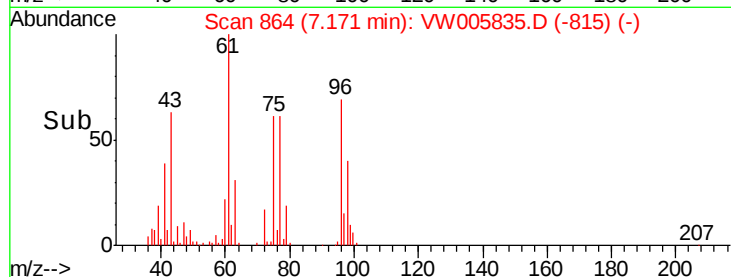
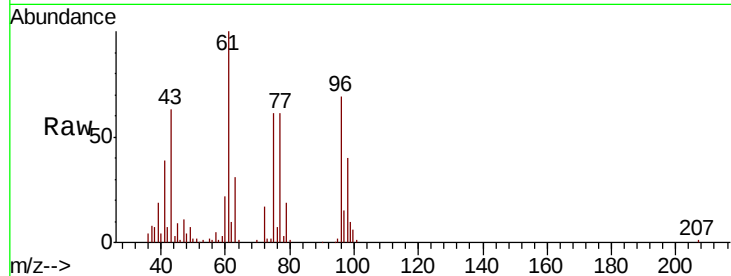
cis-1,2-Dichloroethene
 Concen: 20.077 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	296.4
98	63.1	0.0	131.4

Manual Integrations
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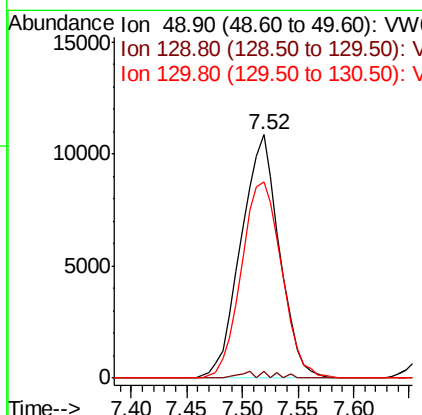
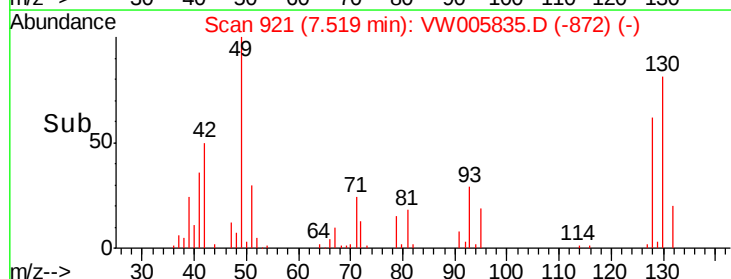
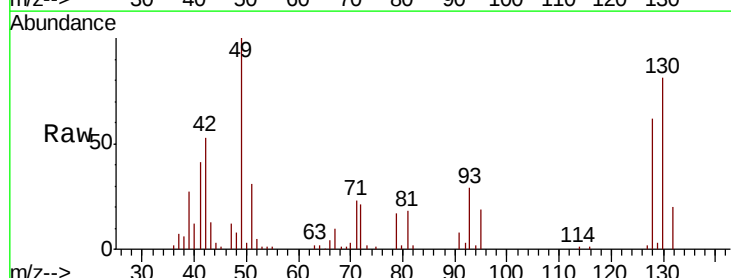
apatel
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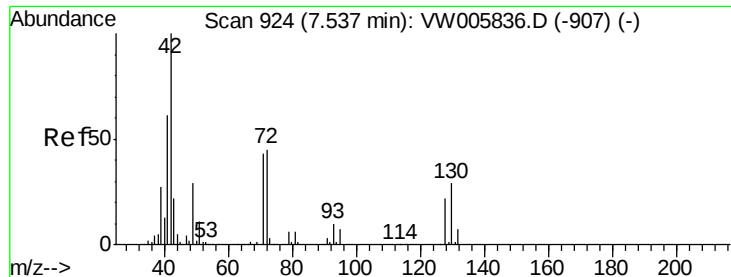


#28

Bromochloromethane
 Concen: 19.630 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.2
130	84.8	66.4	99.6





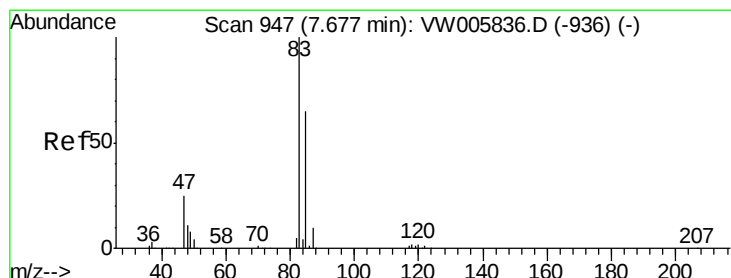
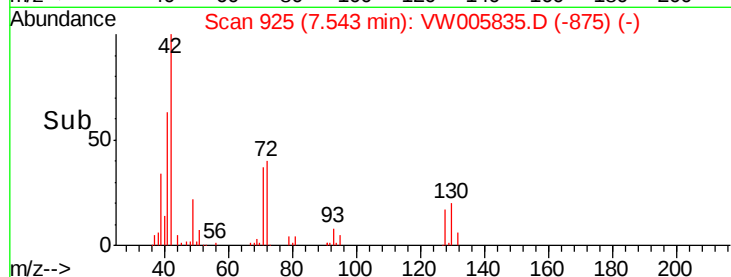
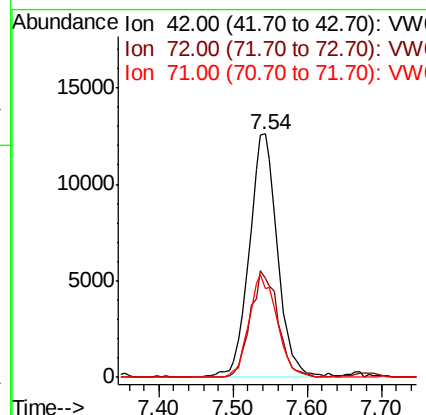
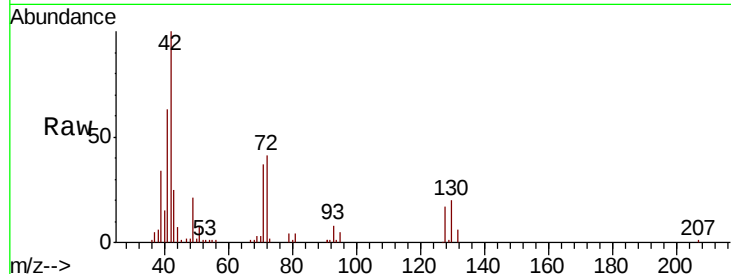
#29
Tetrahydrofuran
Concen: 104.487 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.6	51.8
71	41.5	33.6	50.4

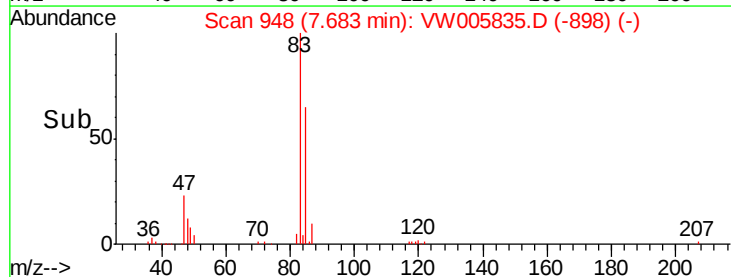
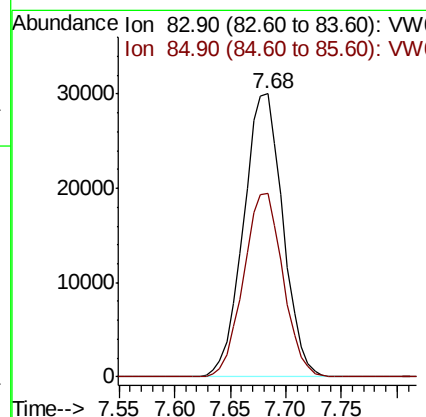
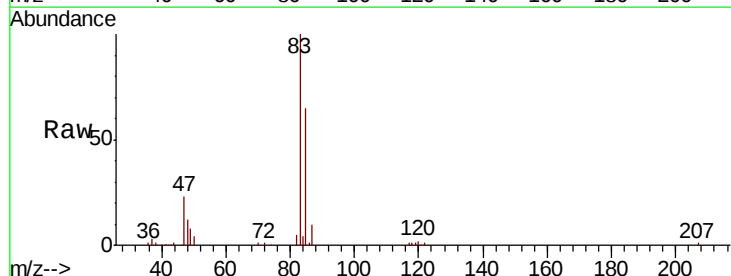
Manual Integrations
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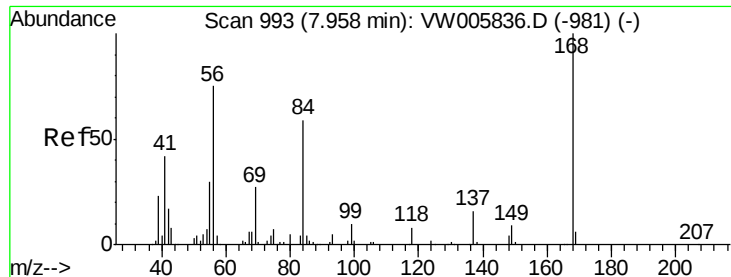
apatel
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#30
Chloroform
Concen: 20.899 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4





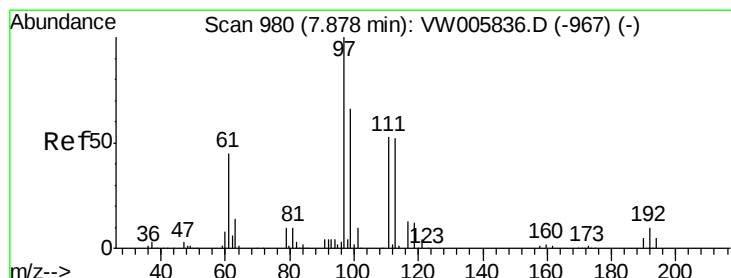
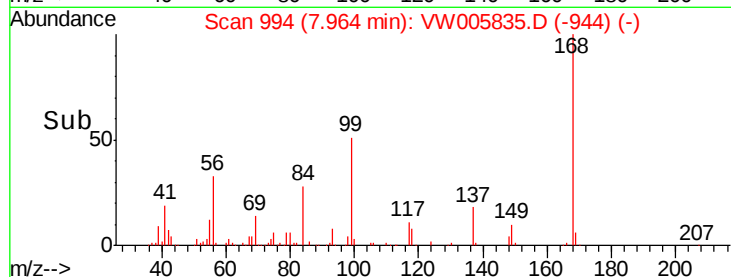
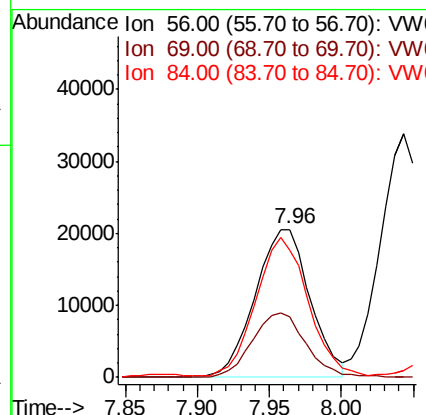
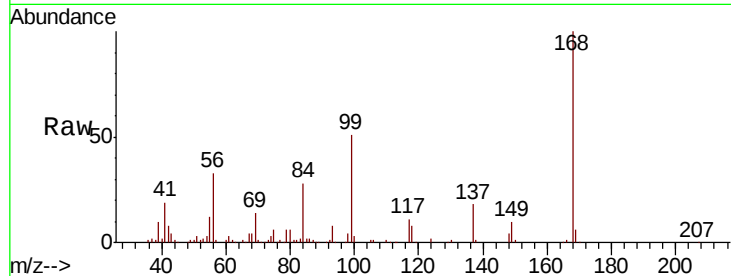
#31
Cyclohexane
Concen: 16.817 ug/l
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	41.3	29.0	43.4	
84	84.7	63.5	95.3	

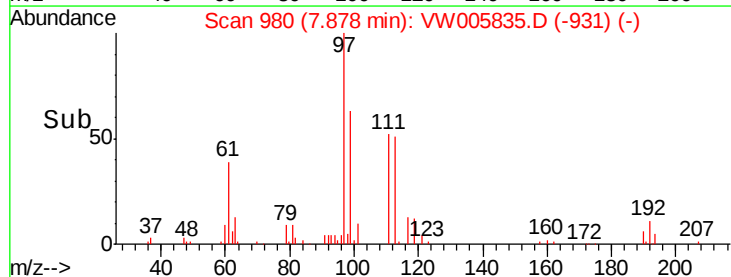
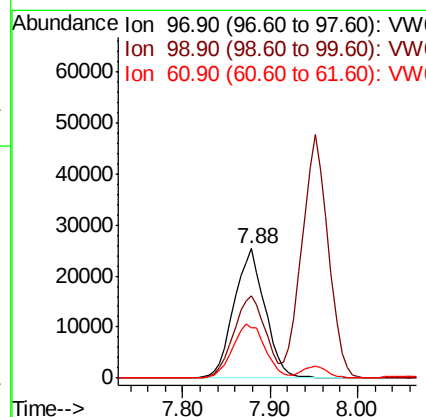
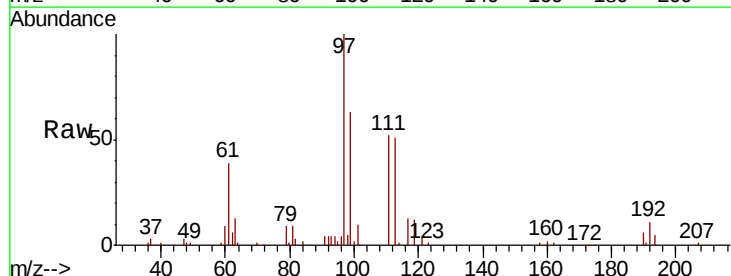
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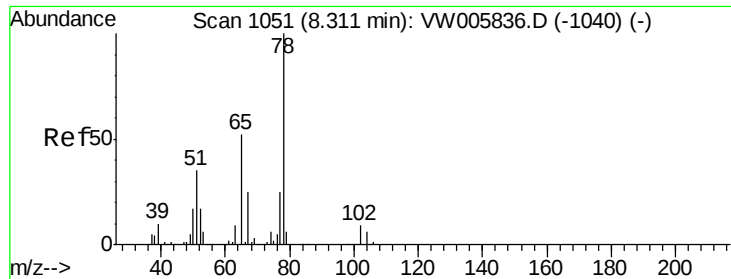
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#32
1,1,1-Trichloroethane
Concen: 20.099 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.5	51.2	76.8	
61	43.8	35.5	53.3	





#33

1,2-Dichloroethane-d4

Concen: 21.478 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 65 Resp: 45215

Ion Ratio Lower Upper

65 100

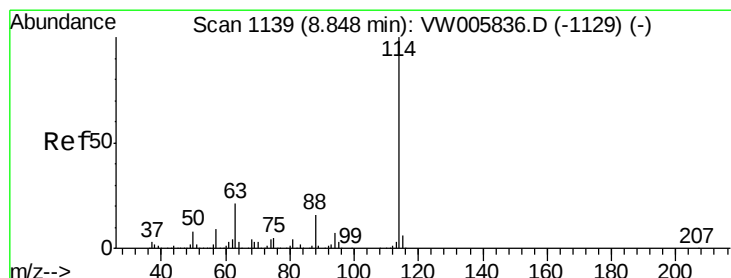
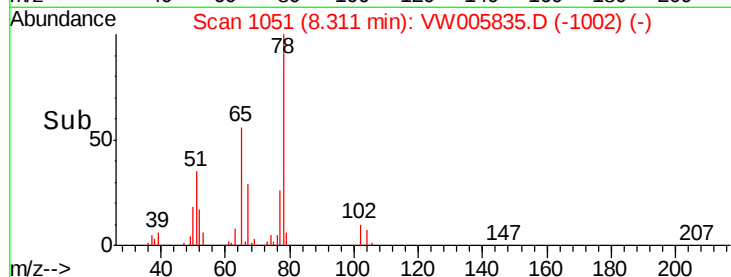
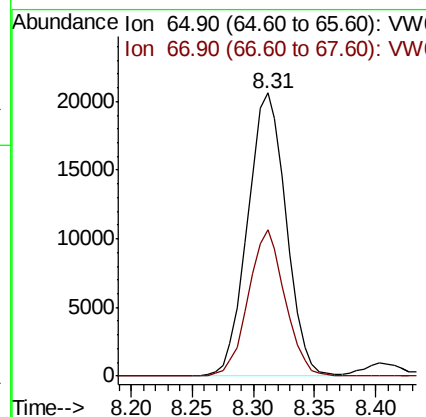
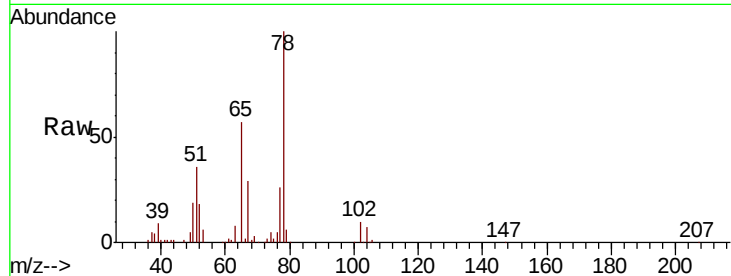
67 49.1 0.0 98.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

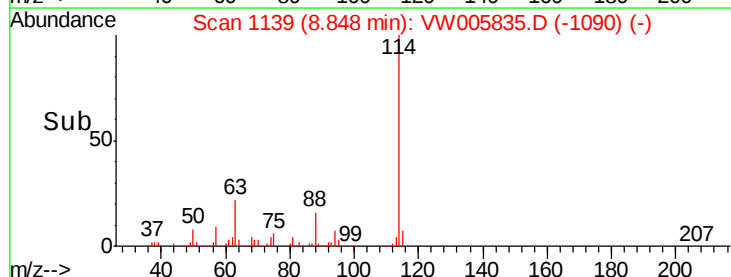
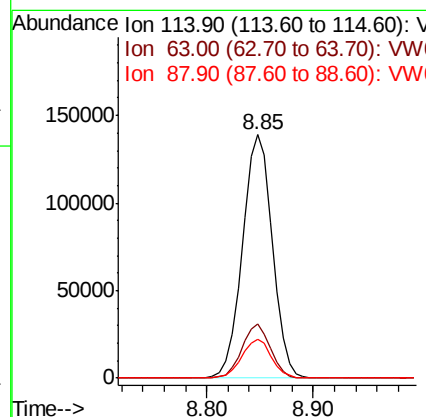
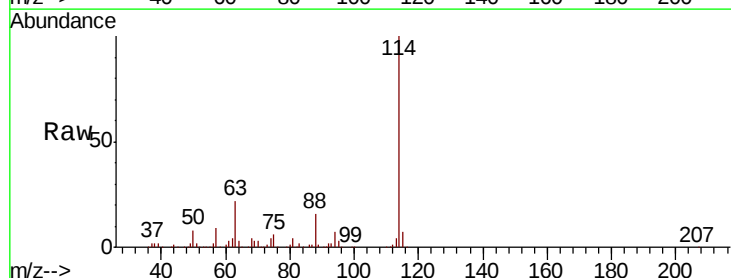
Tgt Ion: 114 Resp: 273718

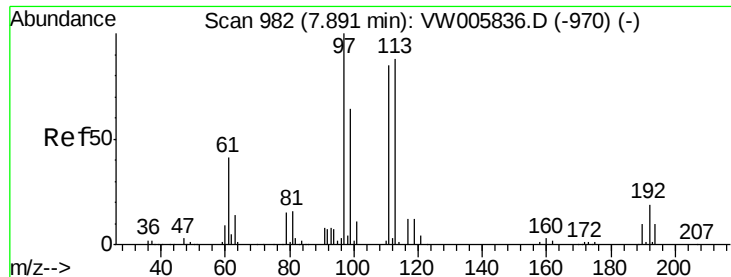
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.0

88 16.0 0.0 31.2





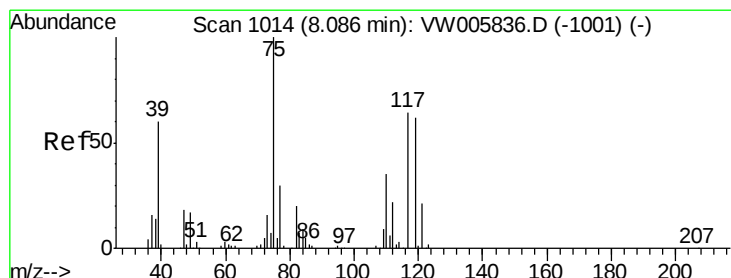
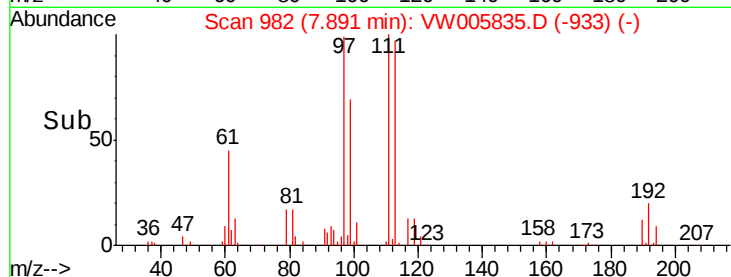
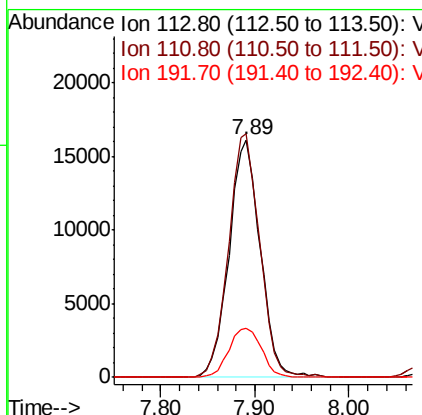
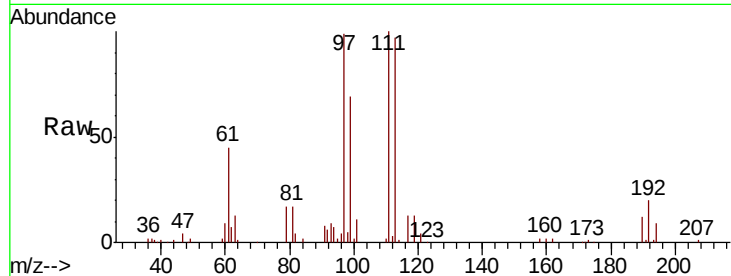
#35
 Dibromofluoromethane
 Concen: 21.349 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.2
192	21.5	17.3	25.9

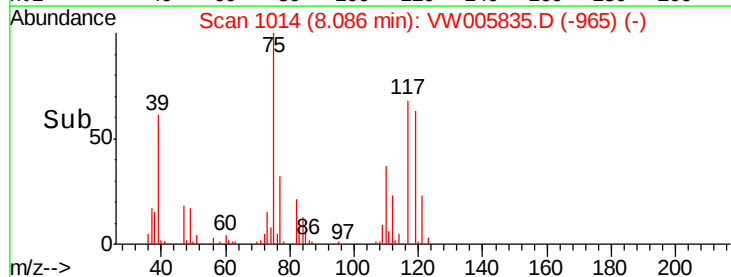
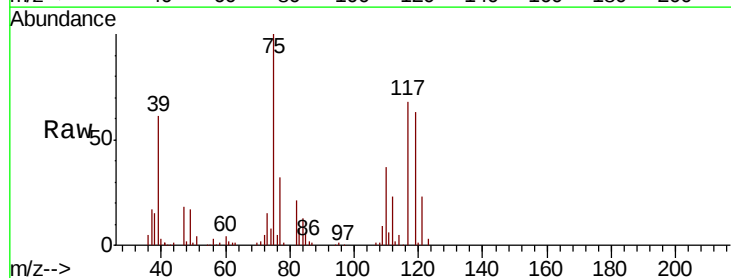
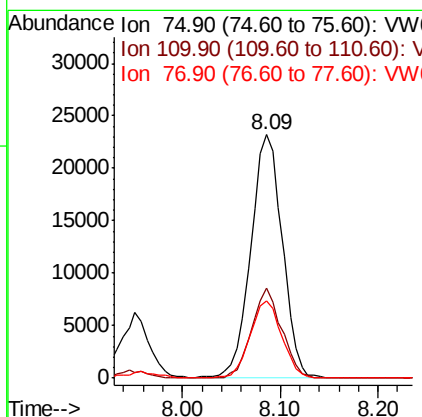
Manual Integrations
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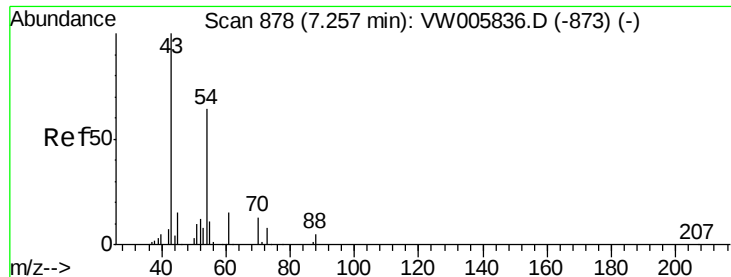
apatel
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#36
 1,1-Dichloropropene
 Concen: 18.769 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.5	52.6
77	31.8	24.8	37.2





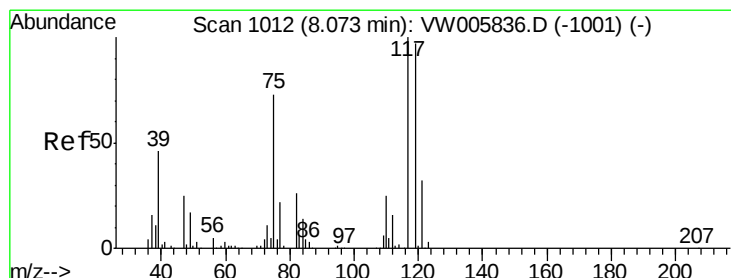
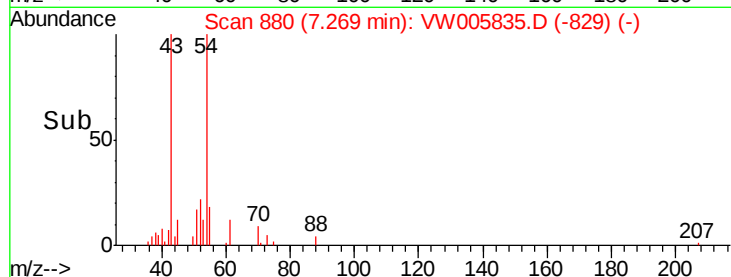
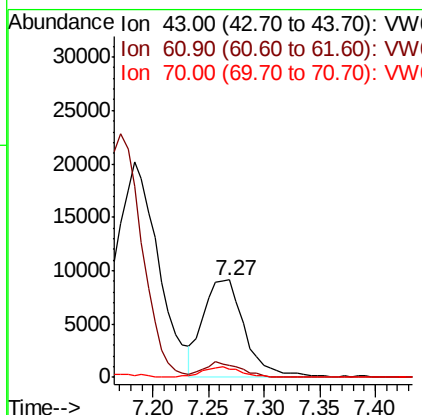
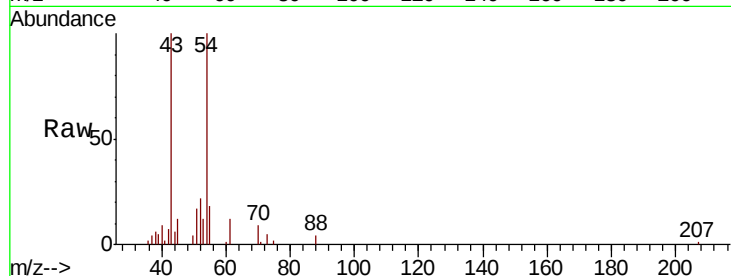
#37
Ethyl Acetate
Concen: 19.861 ug/l
RT: 7.27 min Scan# 880
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.2	16.8
70	10.5	8.6	13.0

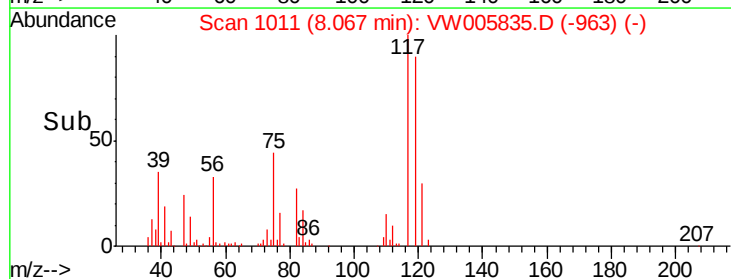
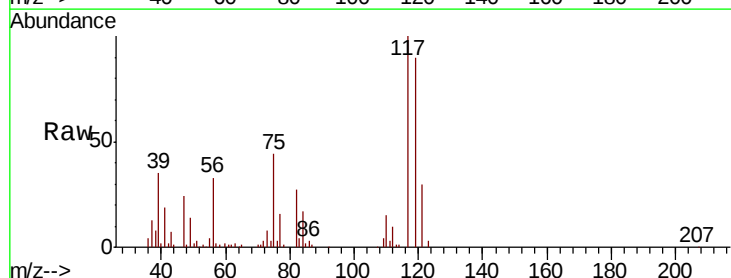
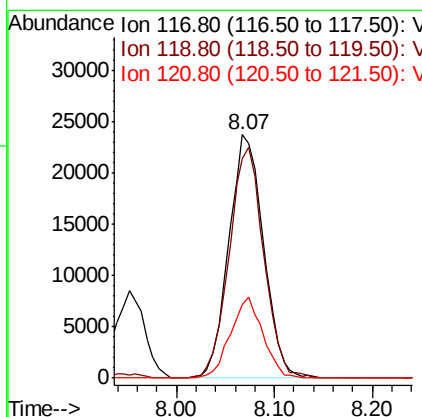
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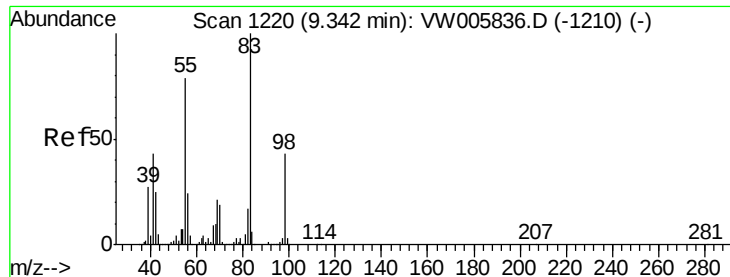
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#38
Carbon Tetrachloride
Concen: 19.659 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	77.9	116.9
121	30.0	25.2	37.8





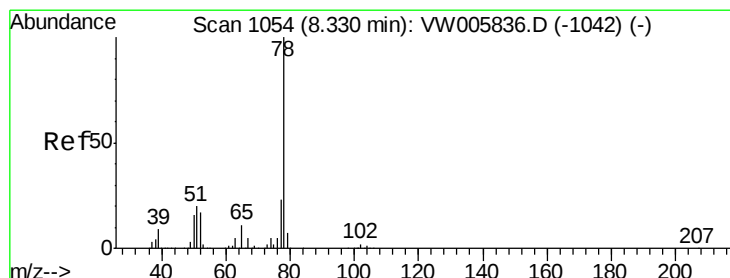
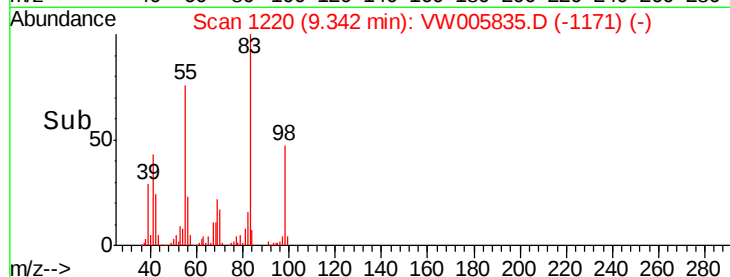
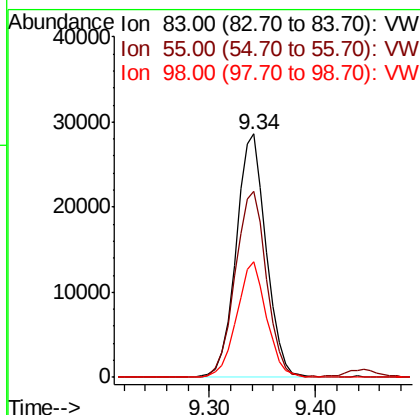
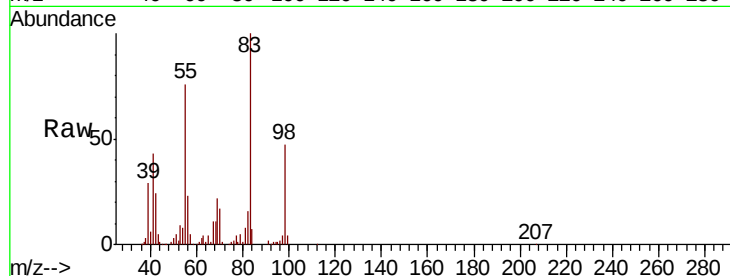
#39
Methvlcvclohexane
Concen: 17.295 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	63.0	94.4
98	47.2	34.5	51.7

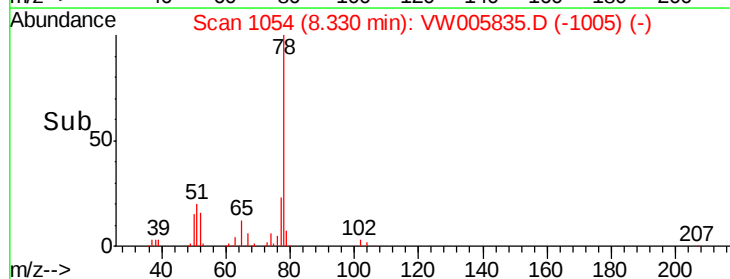
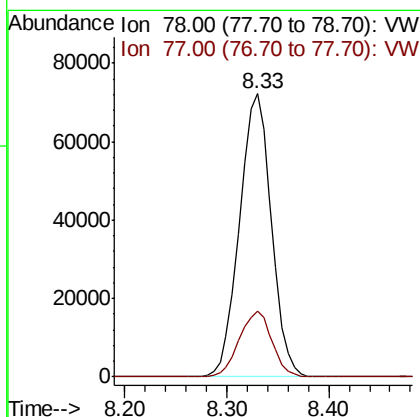
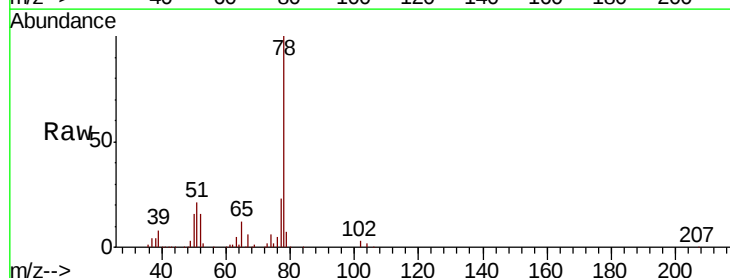
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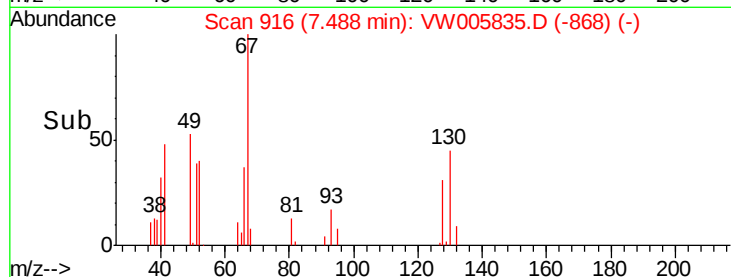
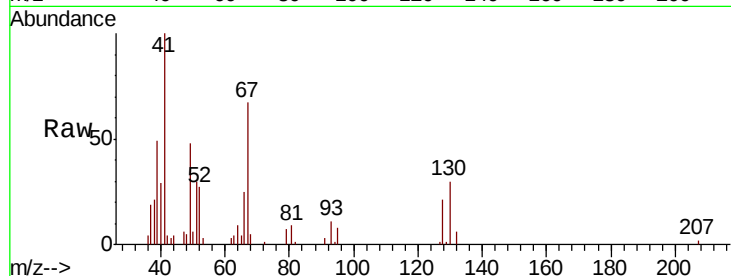
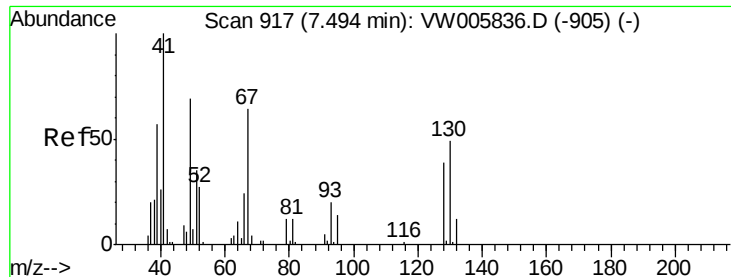
apatel
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#40
Benzene
Concen: 19.871 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





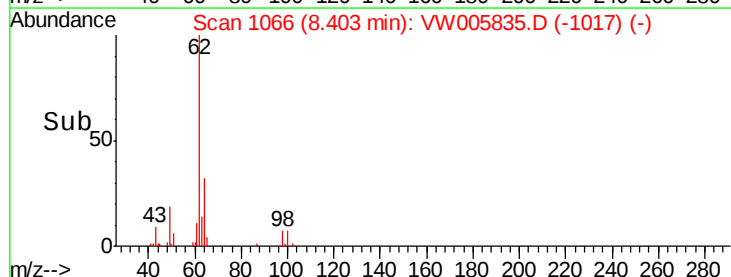
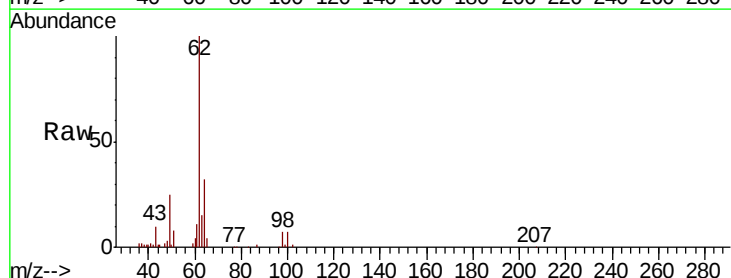
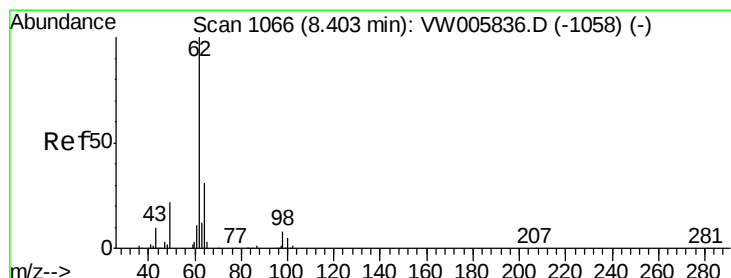
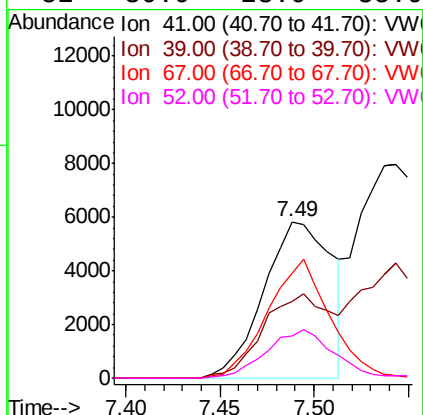
#41
Methacrylonitrile
Concen: 21.548 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tot Ion	41	Resp	14656
Ion	Ratio	Lower	Upper
41	100		
39	54.1	45.6	68.4
67	69.7	53.6	80.4
52	30.9	23.9	35.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

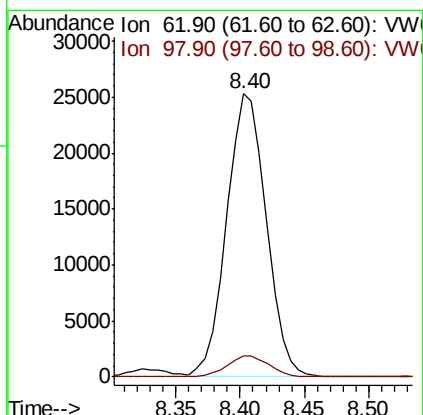
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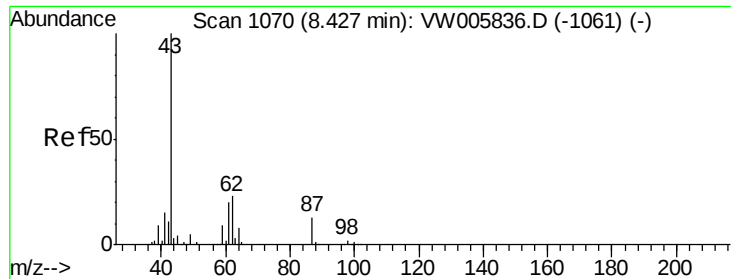
apatel
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#42
1,2-Dichloroethane
Concen: 21.218 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	62	Resp	54228
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.993 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

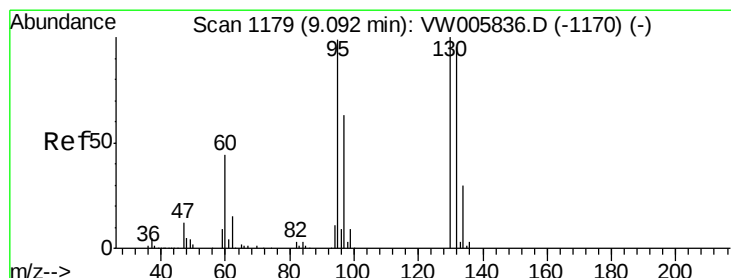
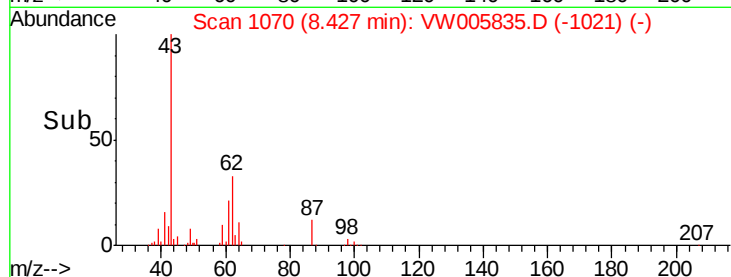
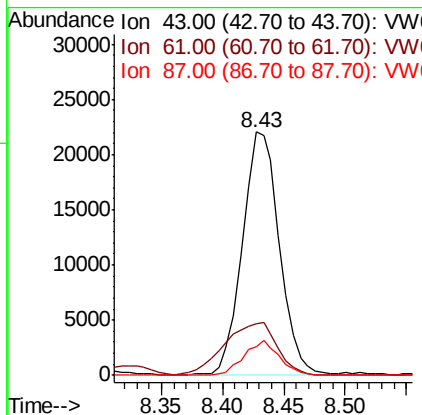
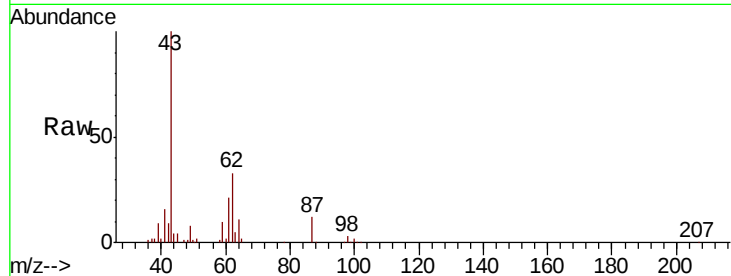
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	46474
Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.1	36.1
87	13.5	10.6	16.0

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#44

Trichloroethene

Concen: 19.876 ug/l

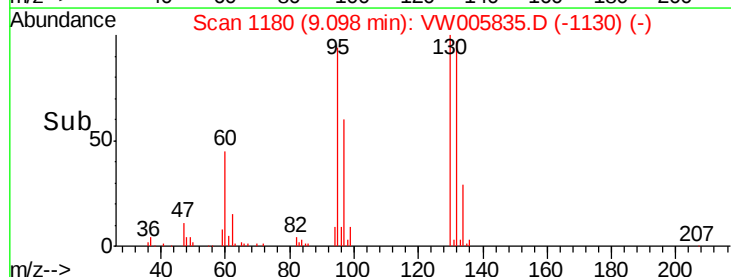
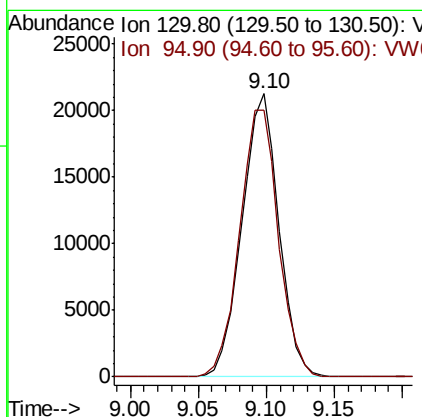
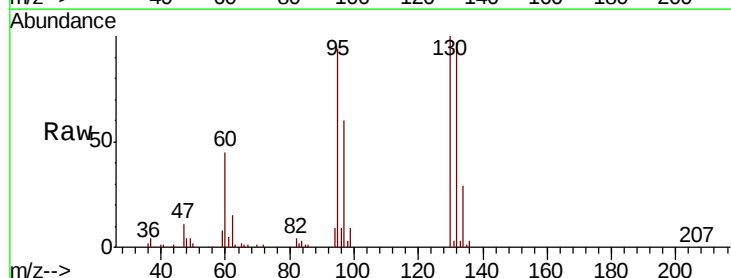
RT: 9.10 min Scan# 1180

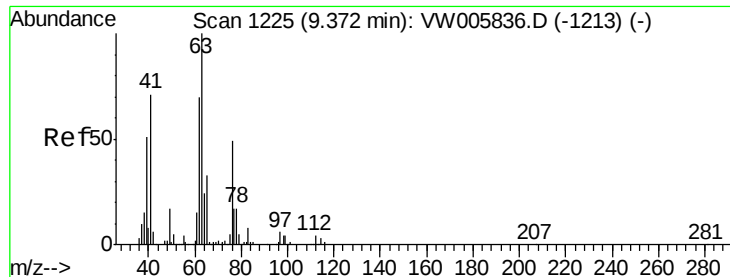
Delta R.T. 0.01 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Tgt Ion:	130	Resp:	40269
Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	197.6





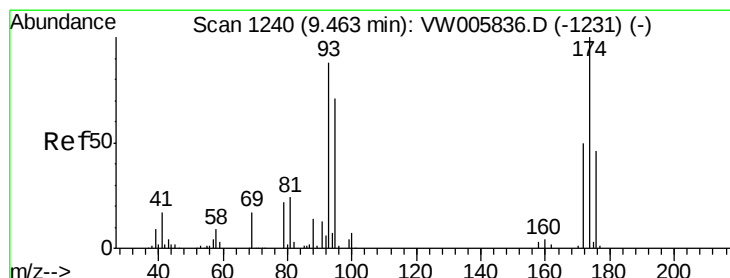
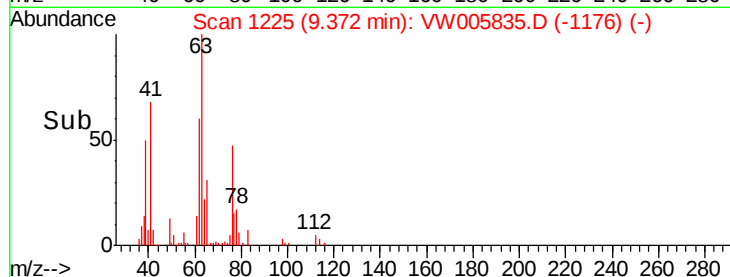
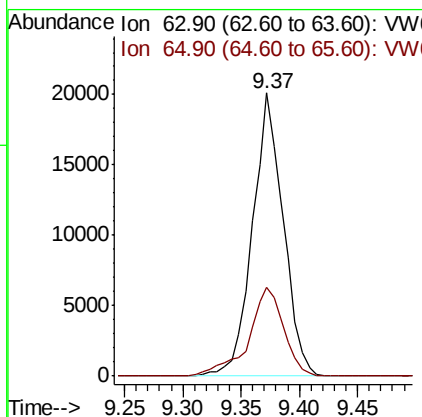
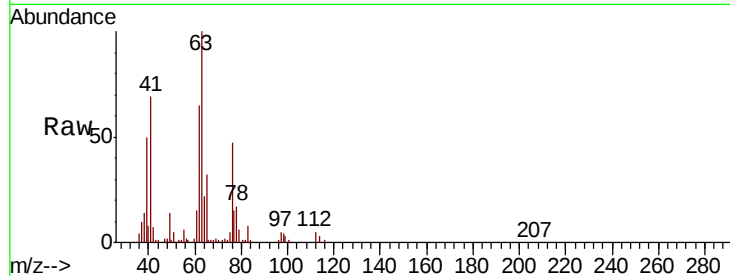
#45
 1,2-Dichloropropane
 Concen: 19.279 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 37046
 Ion Ratio Lower Upper
 63 100
 65 31.5 26.1 39.1

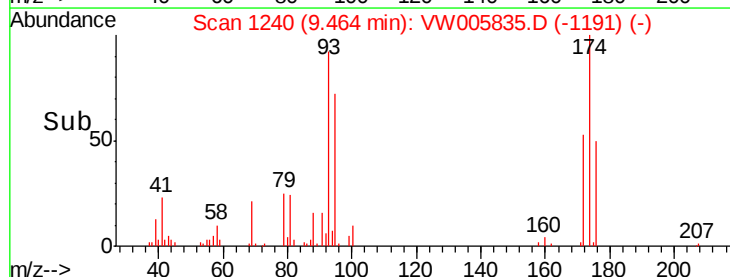
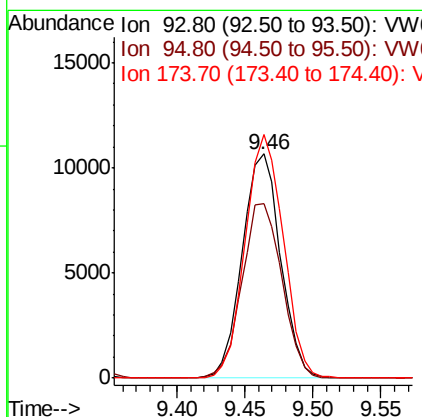
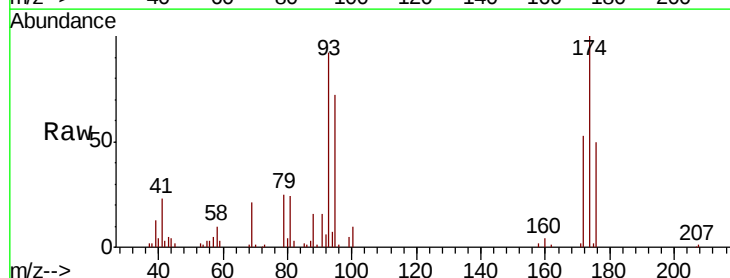
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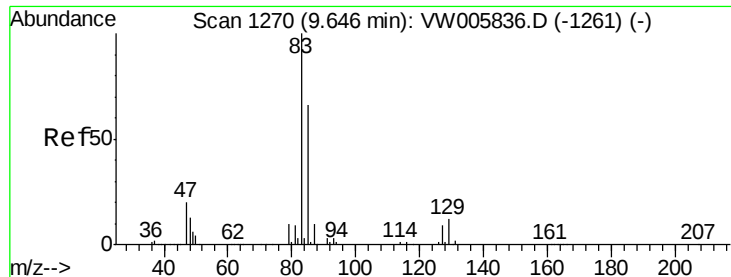
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#46
 Dibromomethane
 Concen: 21.548 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion: 93 Resp: 21117
 Ion Ratio Lower Upper
 93 100
 95 80.8 65.9 98.9
 174 108.2 88.4 132.6





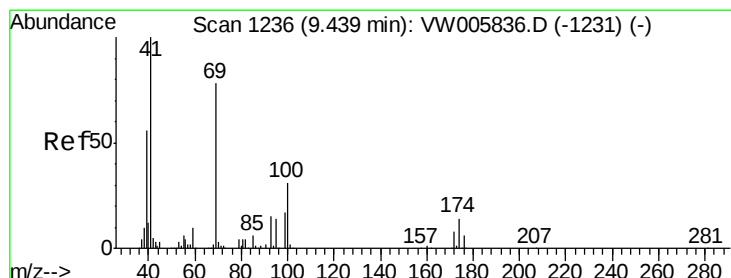
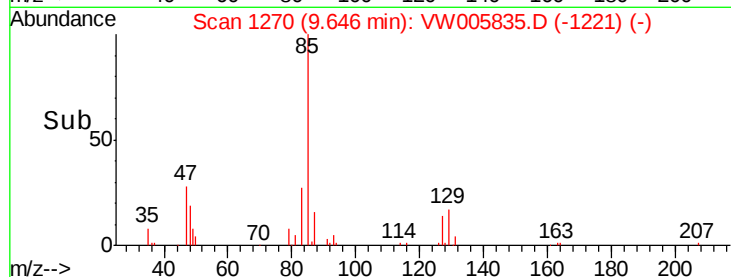
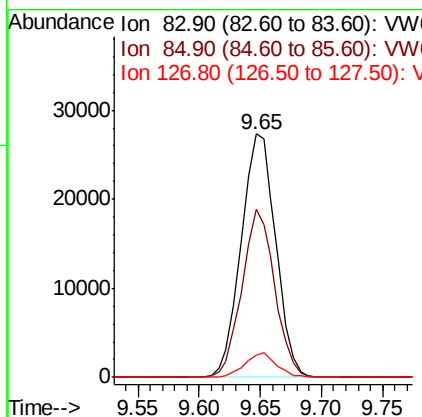
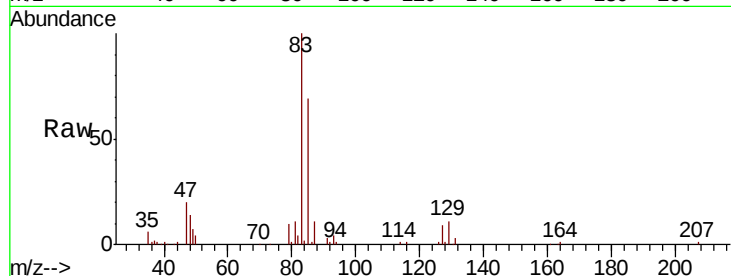
#47
Bromodichloromethane
Concen: 20.543 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	69.0	52.6	78.8	
127	9.3	7.4	11.0	

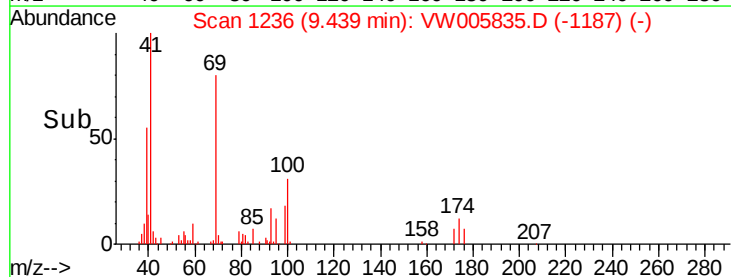
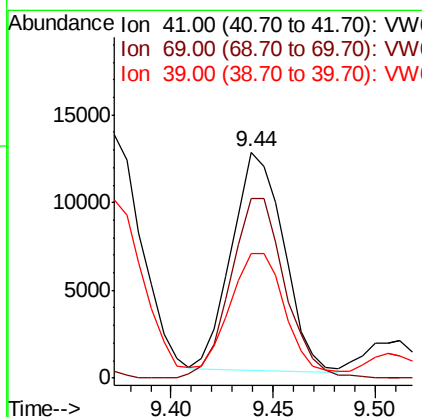
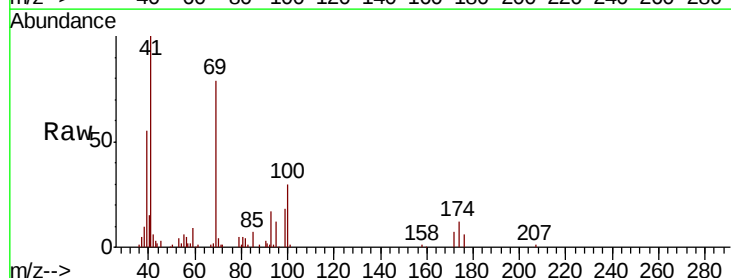
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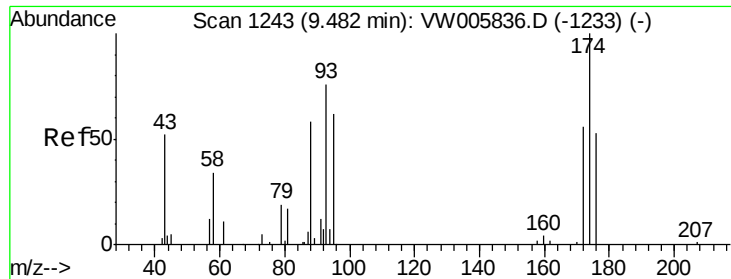
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#48
Methyl methacrylate
Concen: 20.027 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	85.9	66.4	99.6	
39	62.7	50.1	75.1	





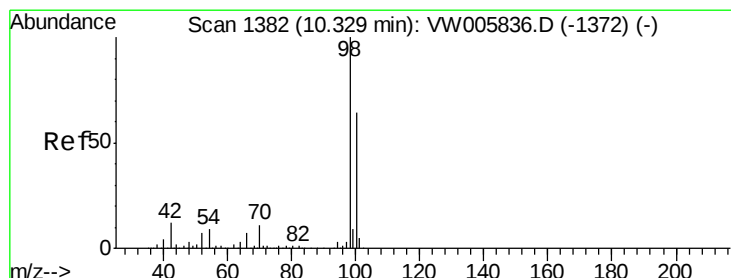
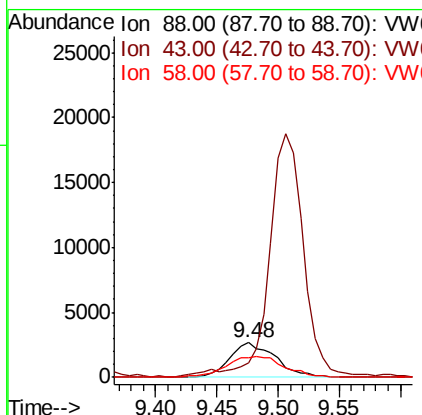
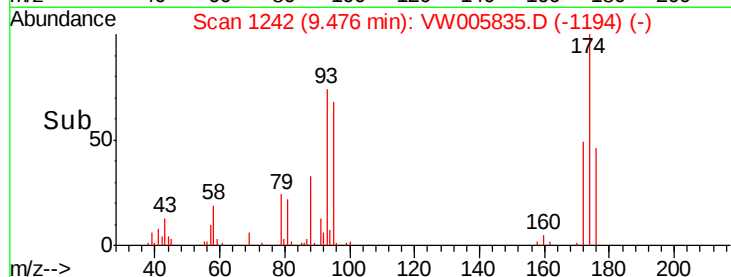
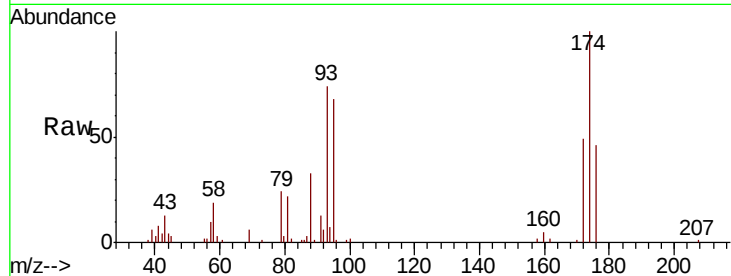
#49
1,4-Dioxane
Concen: 444.508 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	76.1	58.1	87.1

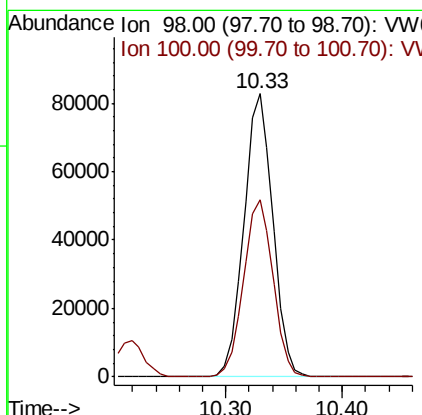
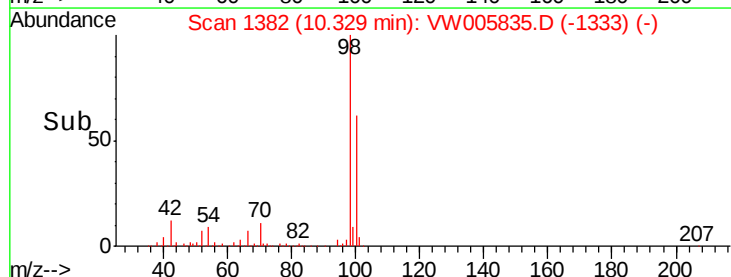
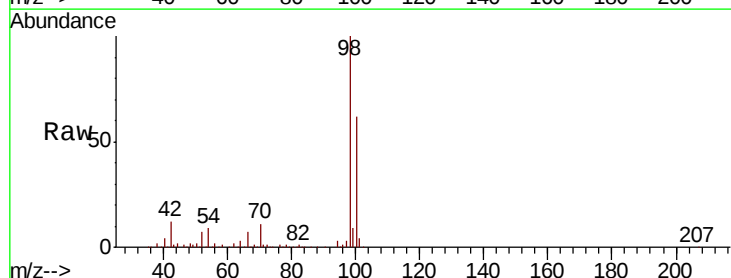
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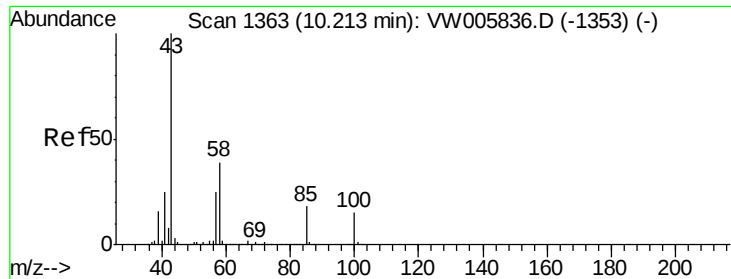
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#50
Toluene-d8
Concen: 20.451 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 105.254 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 123645

Ion Ratio Lower Upper

43 100

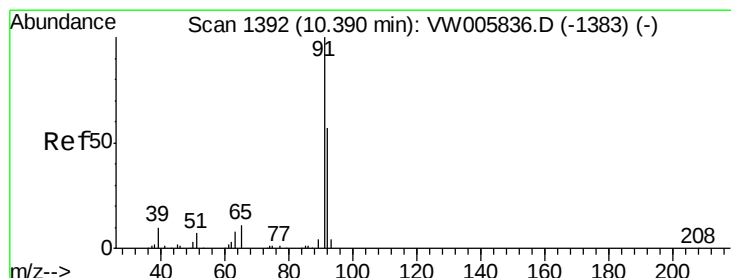
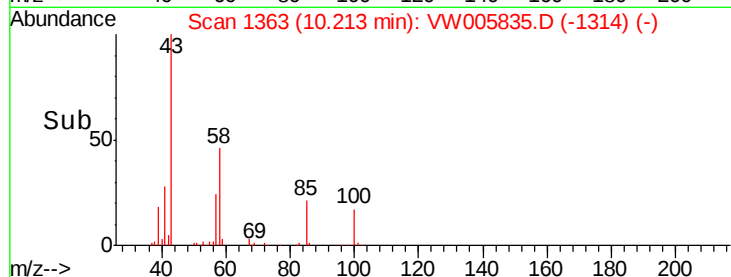
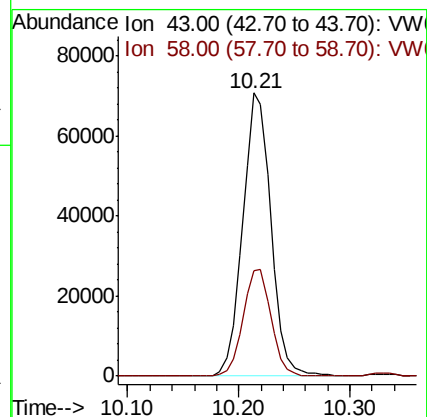
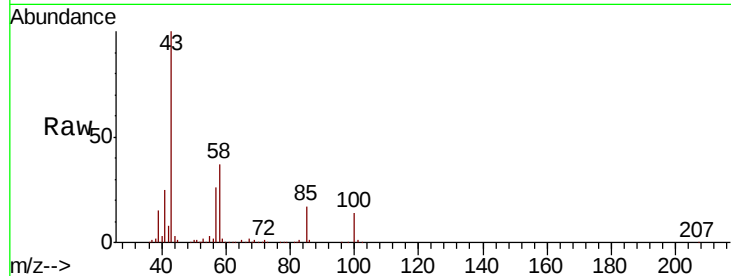
58 37.6 30.6 45.8

Manual Integrations

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#52

Toluene

Concen: 19.853 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005835.D

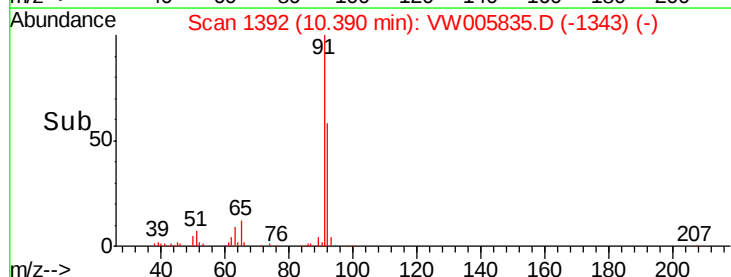
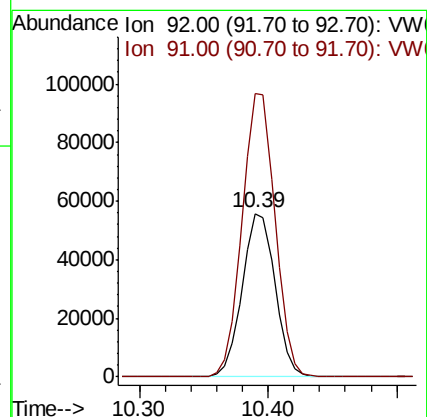
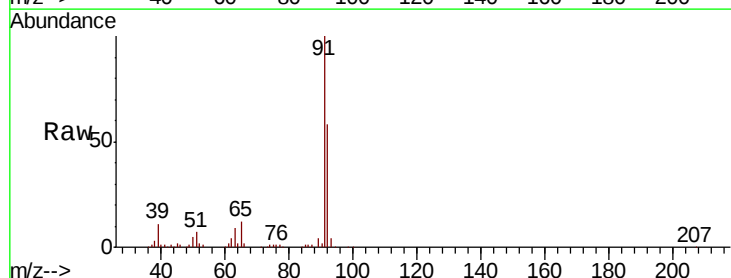
Acq: 04 Oct 2018 04:03

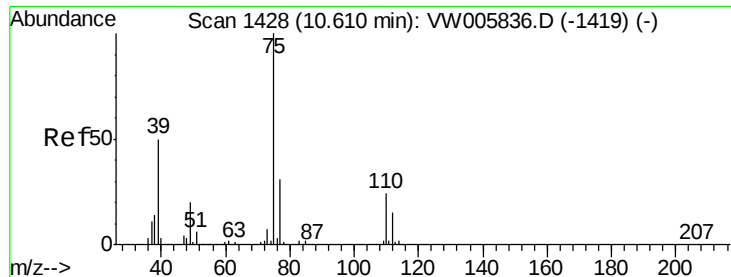
Tgt Ion: 92 Resp: 97944

Ion Ratio Lower Upper

92 100

91 174.3 139.0 208.4





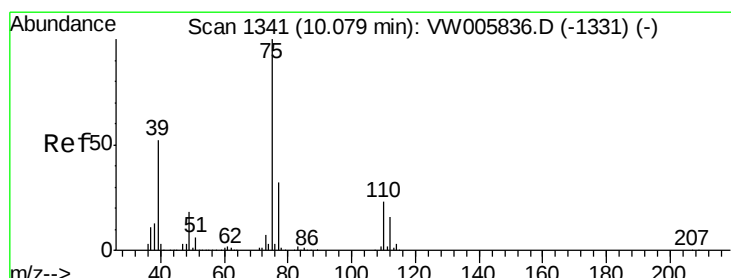
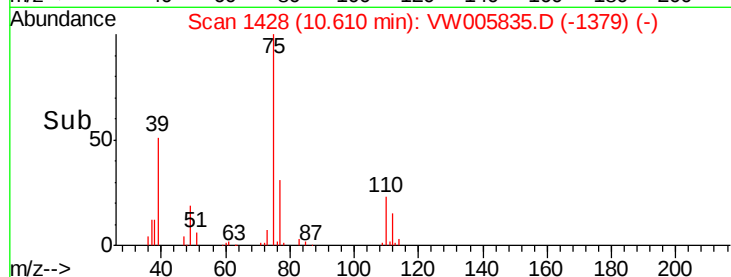
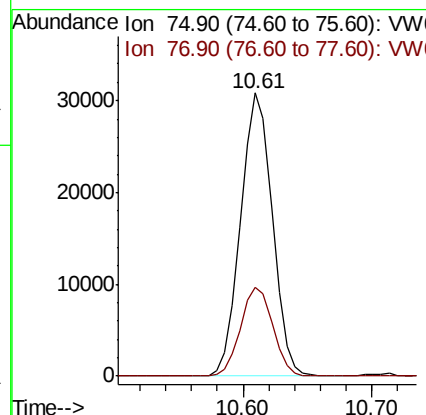
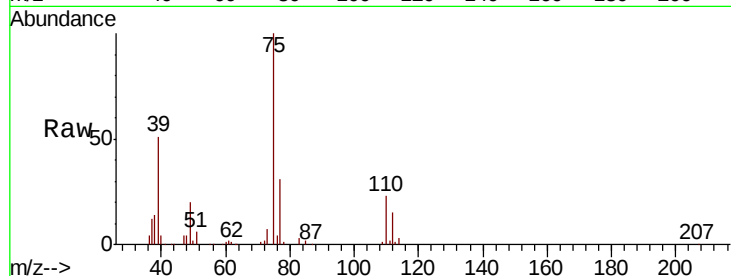
#53
 t-1,3-Dichloropropene
 Concen: 20.093 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4

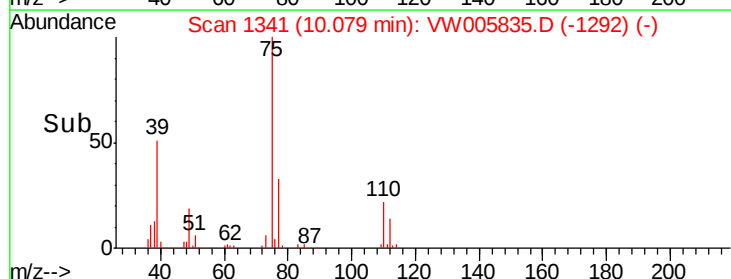
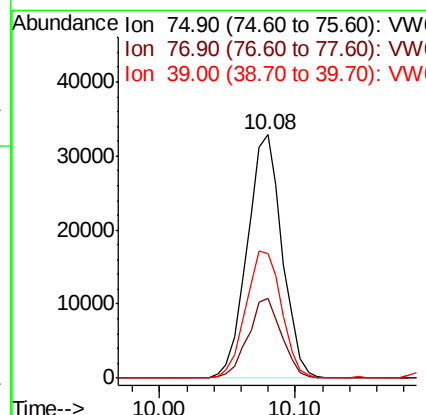
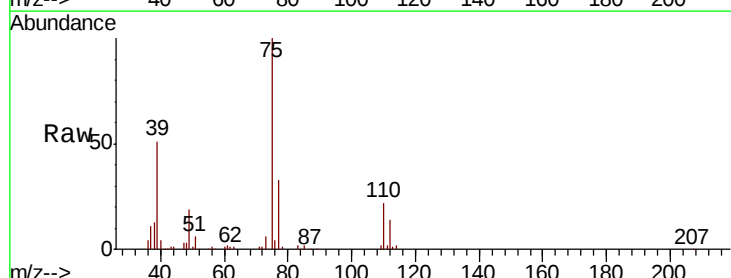
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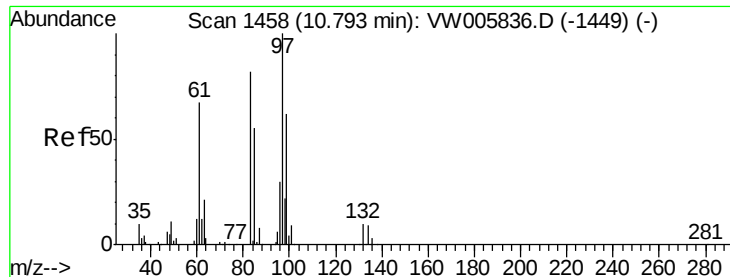
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#54
 cis-1,3-Dichloropropene
 Concen: 20.099 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.2
39	50.9	41.9	62.9





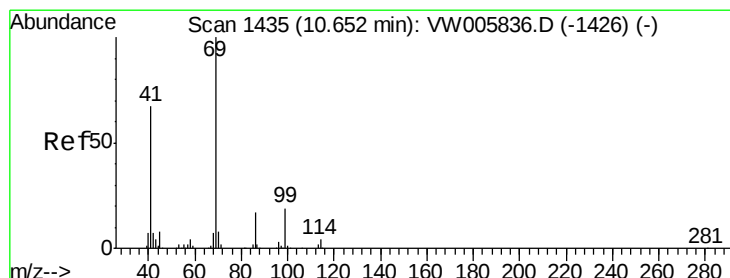
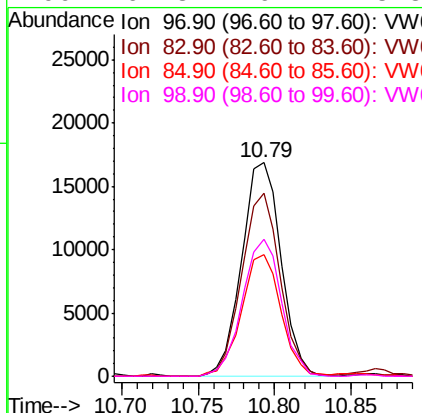
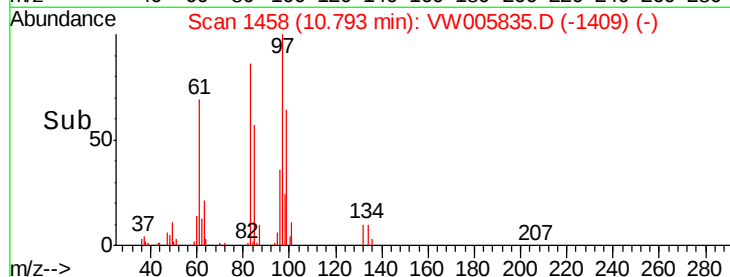
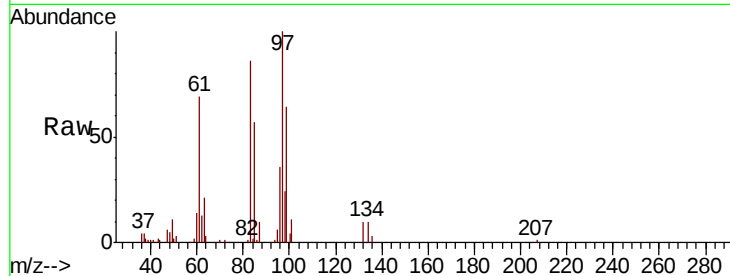
#55
 1,1,2-Trichloroethane
 Concen: 21.617 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	30143
Ion	Ratio	Lower	Upper
97	100		
83	85.8	65.9	98.9
85	56.9	44.2	66.2
99	64.3	49.2	73.8

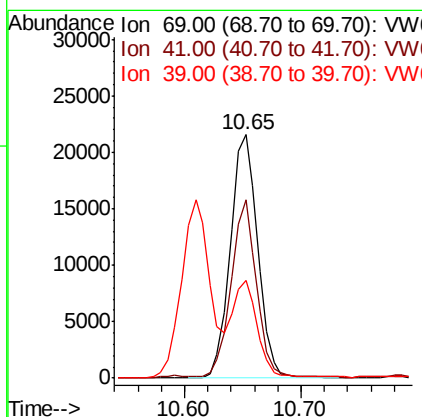
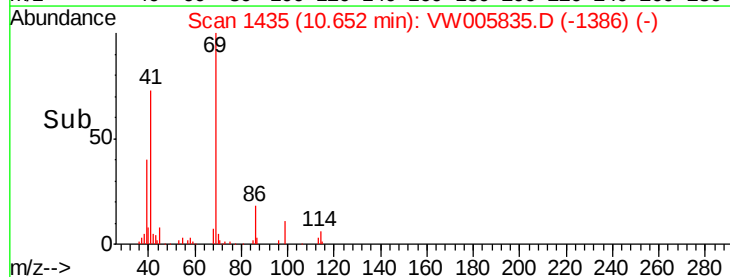
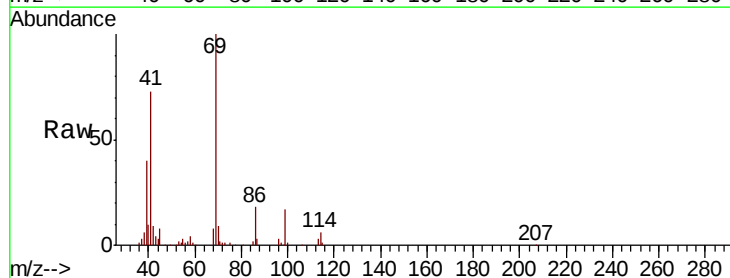
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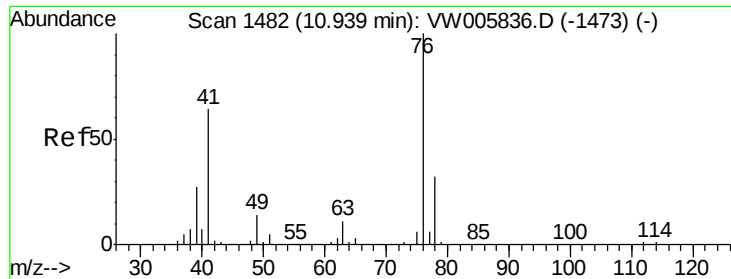
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#56
 Ethyl methacrylate
 Concen: 20.533 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion:	69	Resp:	35318
Ion	Ratio	Lower	Upper
69	100		
41	67.3	55.8	83.6
39	35.3	29.3	43.9





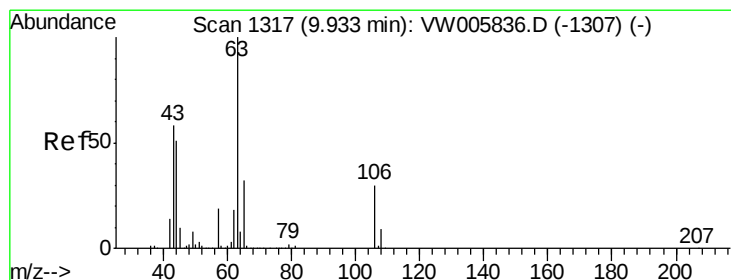
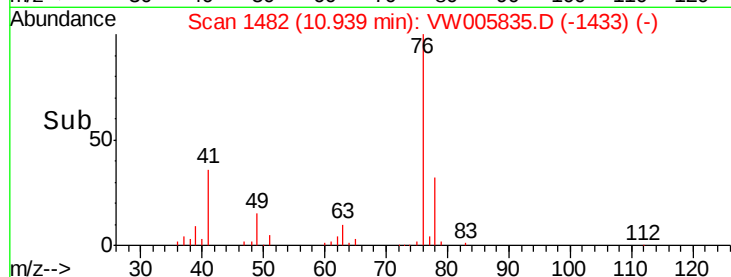
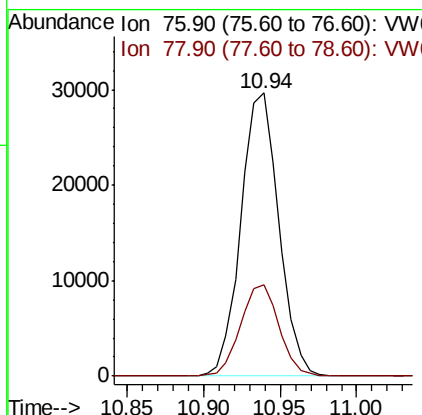
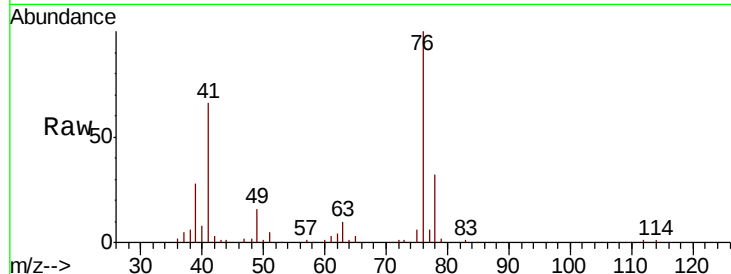
#57
 1,3-Dichloropropane
 Concen: 20.789 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 76 Resp: 51112
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.0

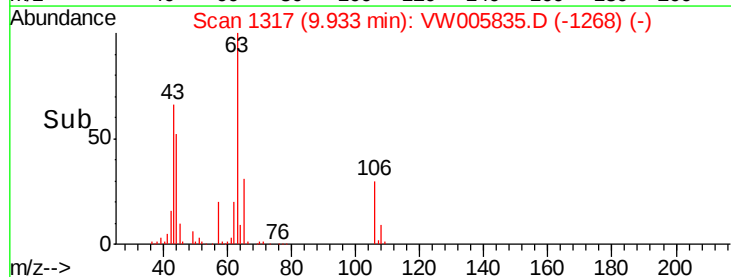
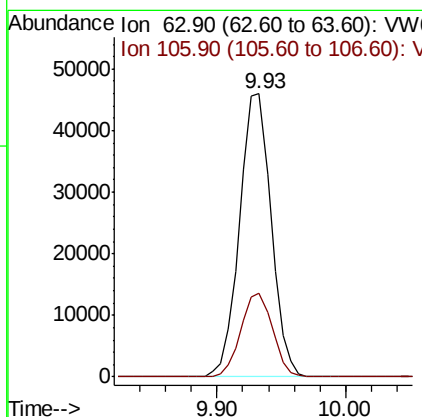
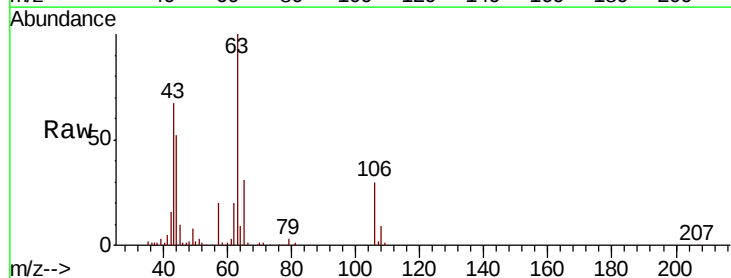
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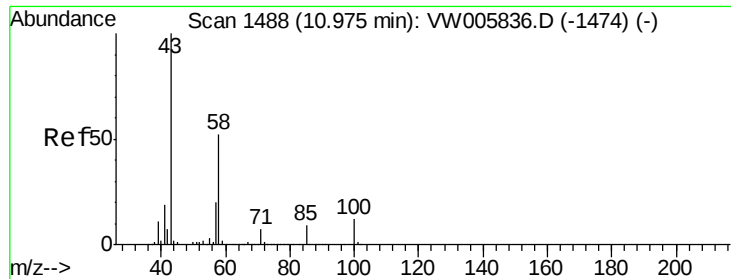
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.380 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion: 63 Resp: 78258
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.7 35.5





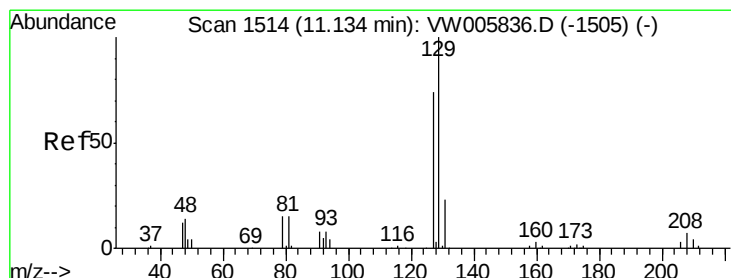
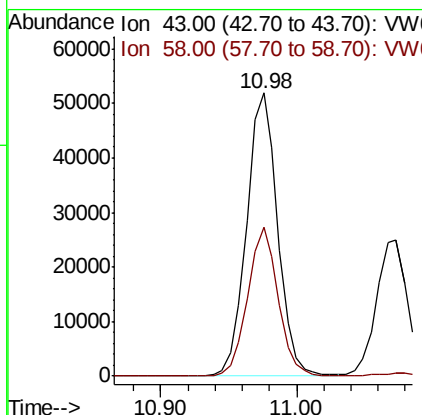
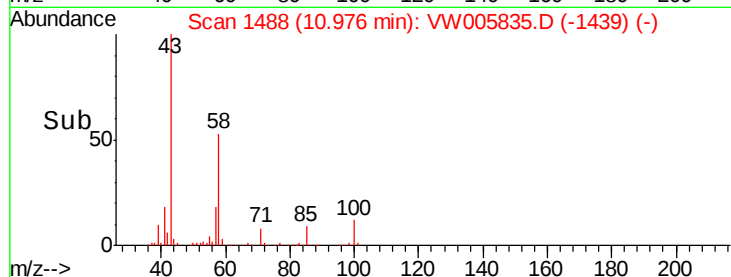
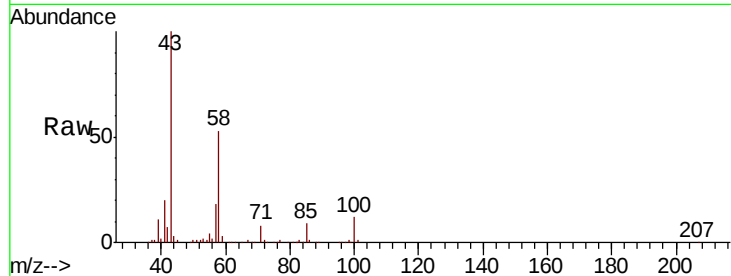
#59
2-Hexanone
Concen: 104.457 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 83163
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7

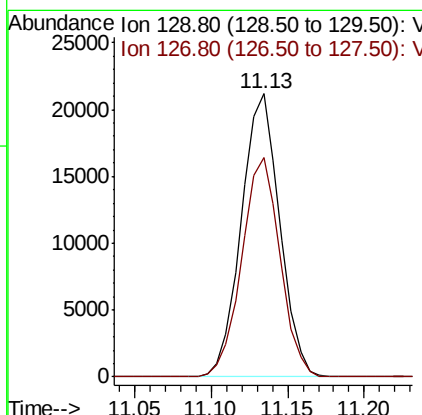
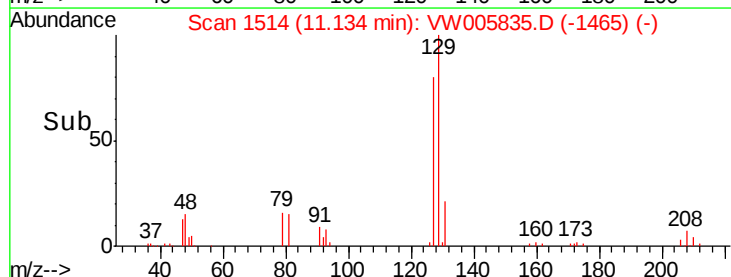
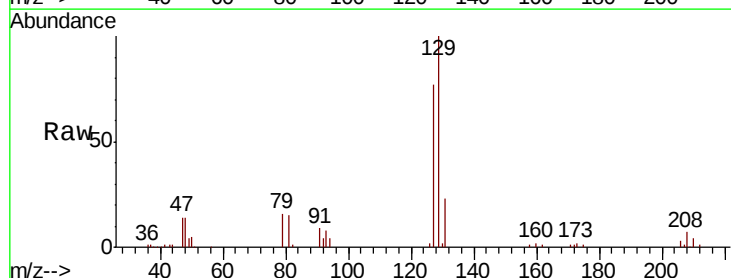
Manual Integrations
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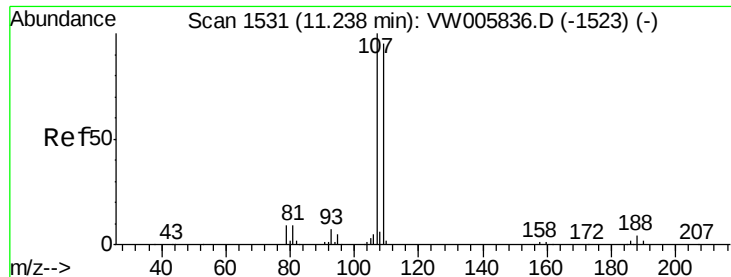
apatel
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#60
Dibromochloromethane
Concen: 21.741 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 129 Resp: 36923
Ion Ratio Lower Upper
129 100
127 77.1 37.2 111.6





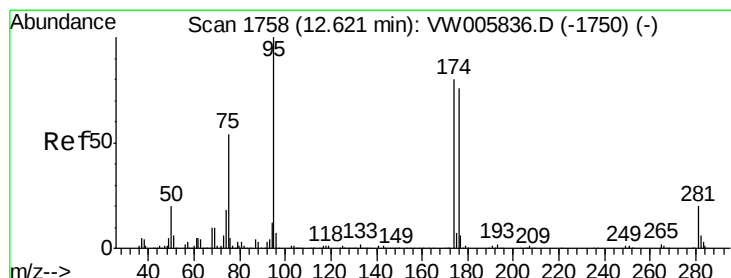
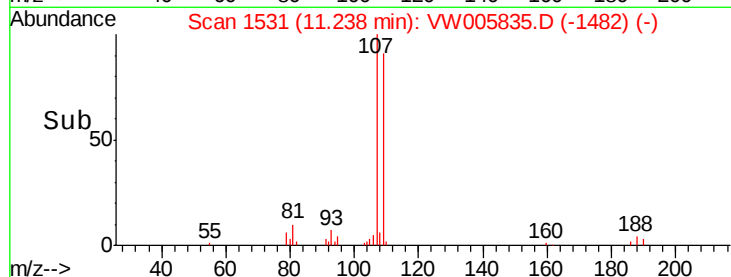
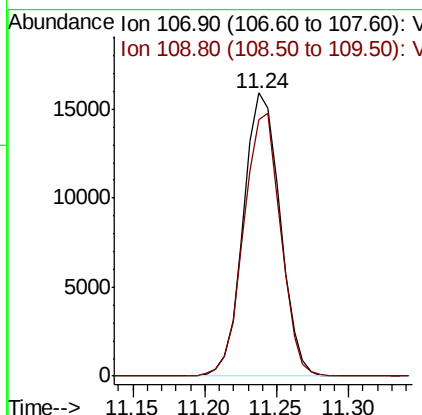
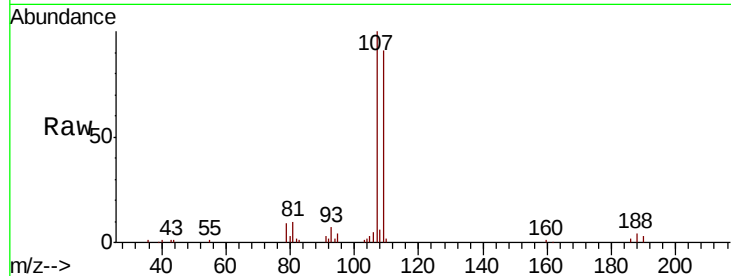
#61
 1,2-Dibromoethane
 Concen: 21.510 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.6	114.8

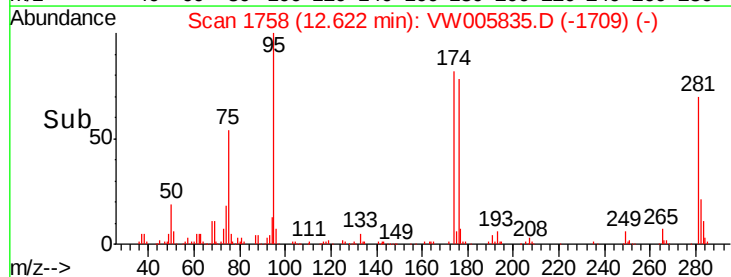
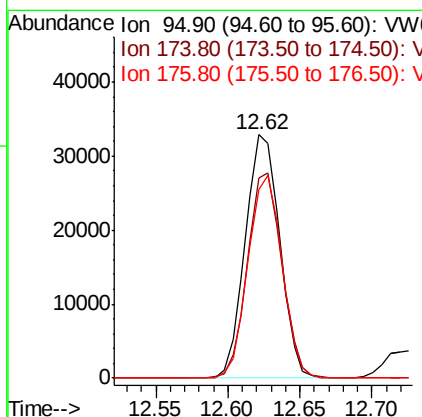
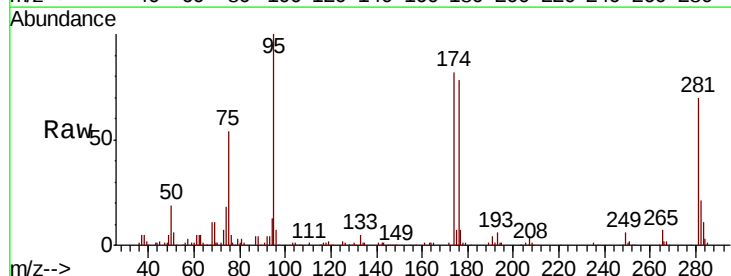
Manual Integrations
 APPROVED

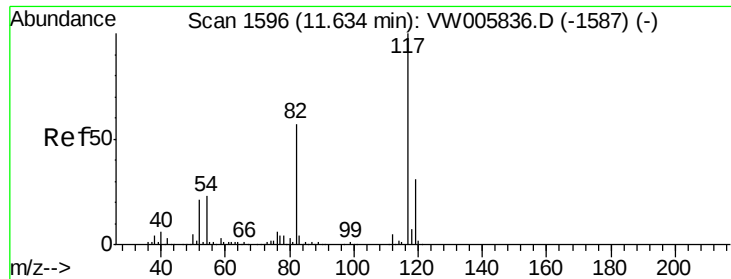
apatel
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#62
 4-Bromofluorobenzene
 Concen: 20.879 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	169.0
176	82.1	0.0	164.2





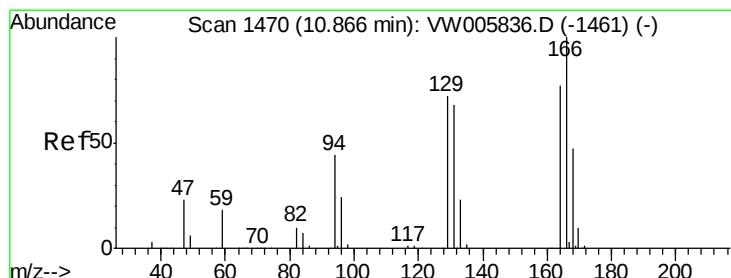
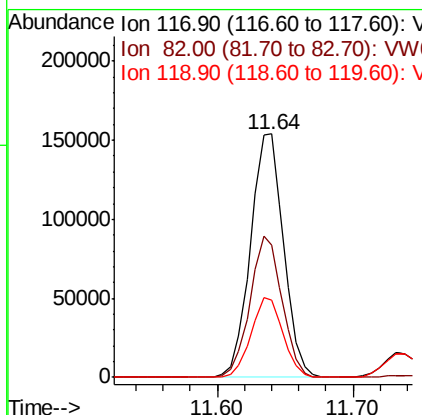
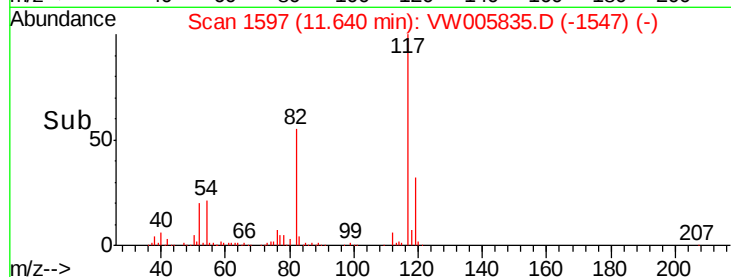
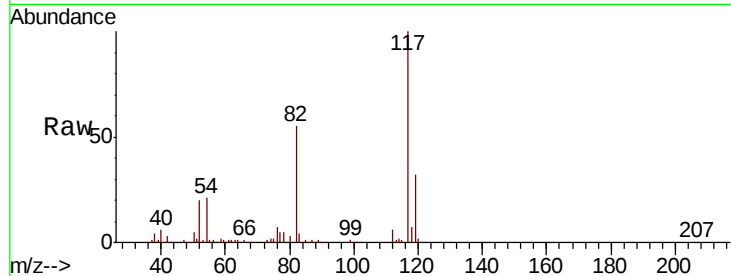
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.6	68.4
119	31.7	25.0	37.6

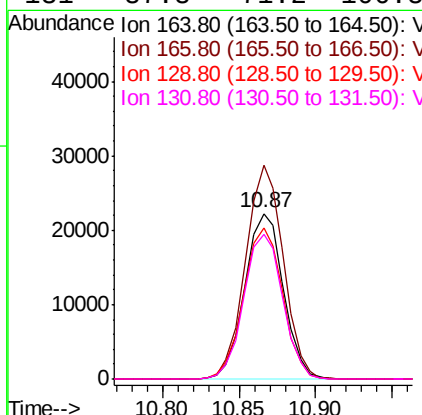
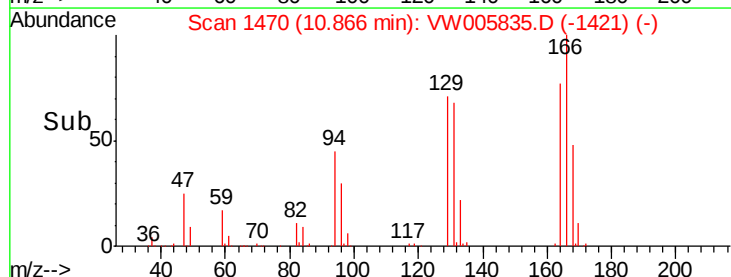
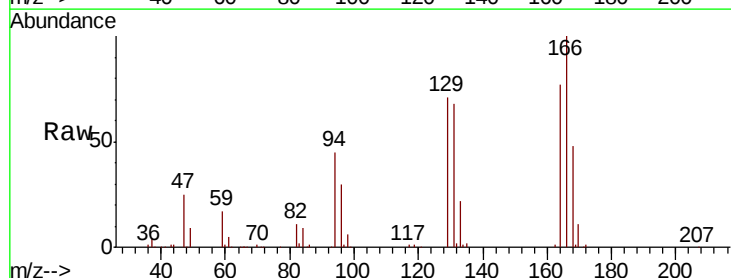
Manual Integrations
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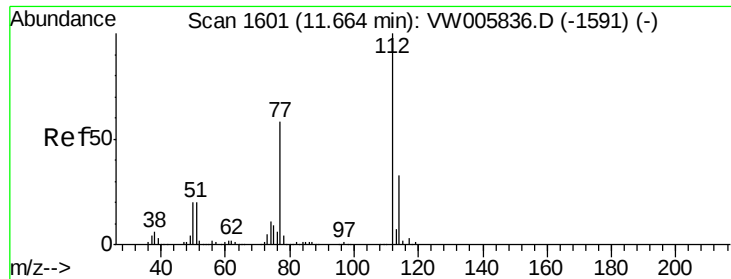
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#64
Tetrachloroethene
Concen: 20.474 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	104.0	156.0
129	91.6	74.8	112.2
131	87.8	71.2	106.8





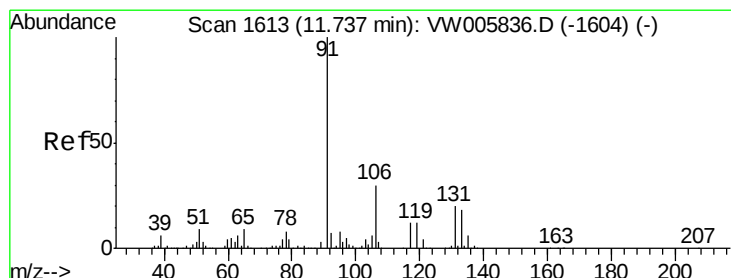
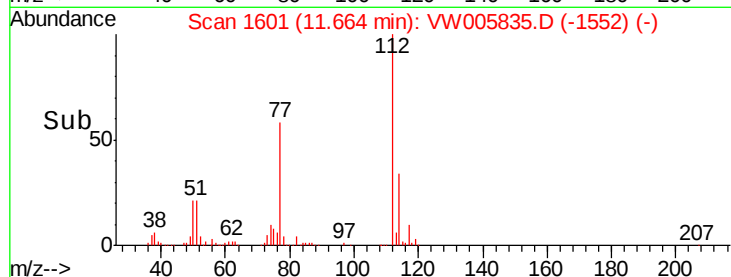
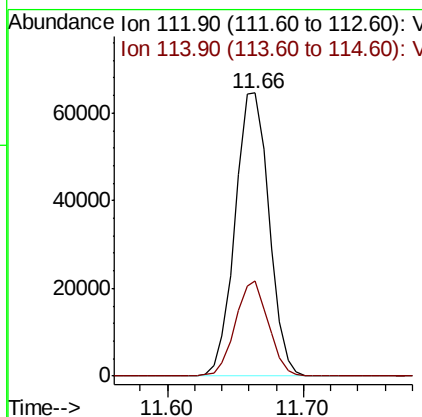
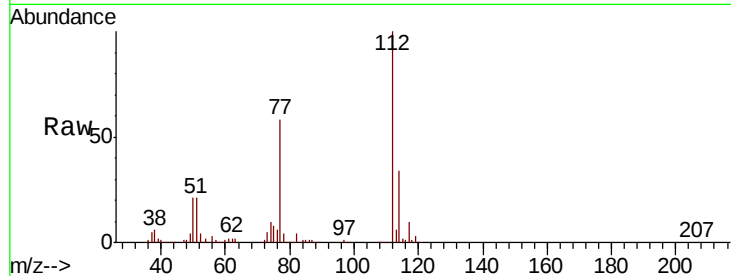
#65
Chlorobenzene
Concen: 20.035 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	26.1	39.1

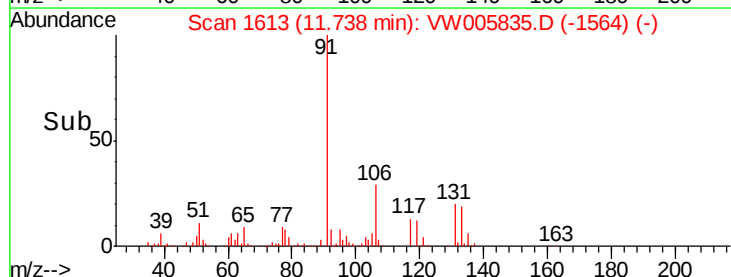
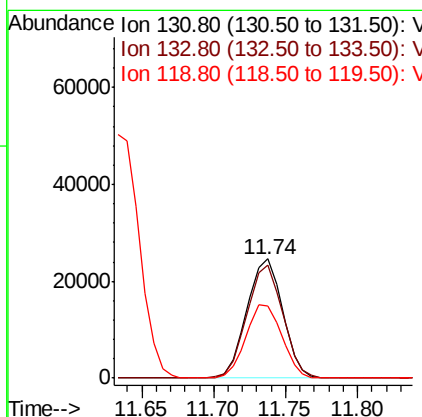
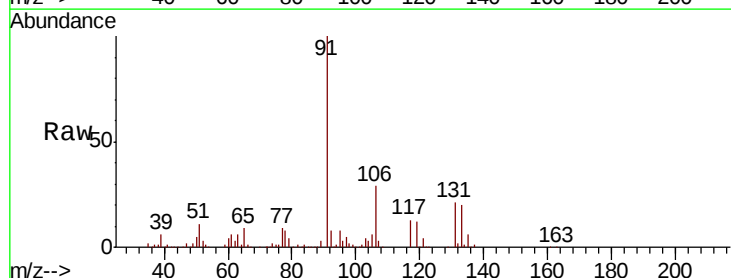
Manual Integrations
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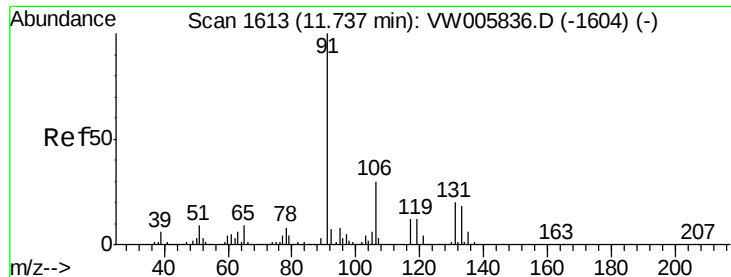
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.769 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.0	141.0
119	62.1	30.4	91.2





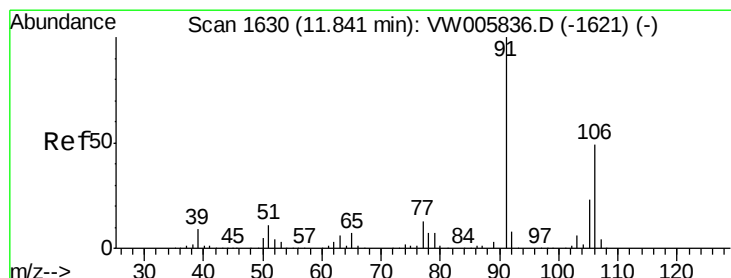
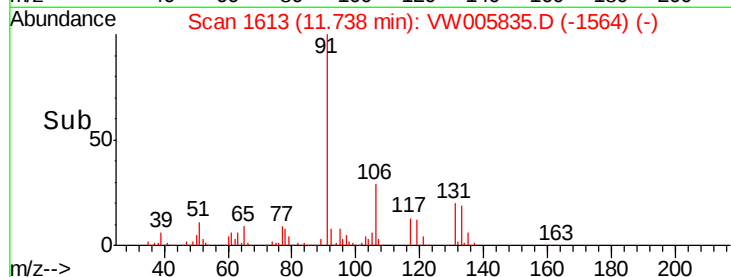
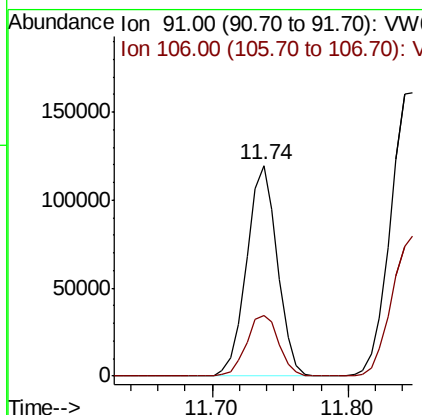
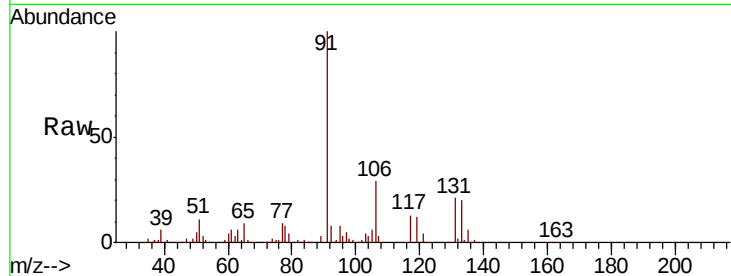
#67
Ethyl Benzene
Concen: 19.027 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.3	36.5

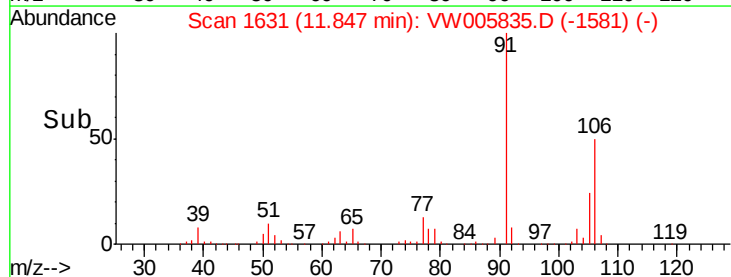
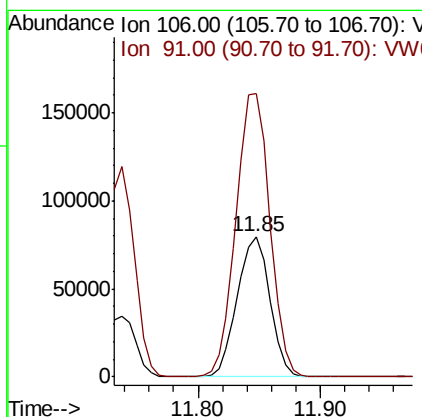
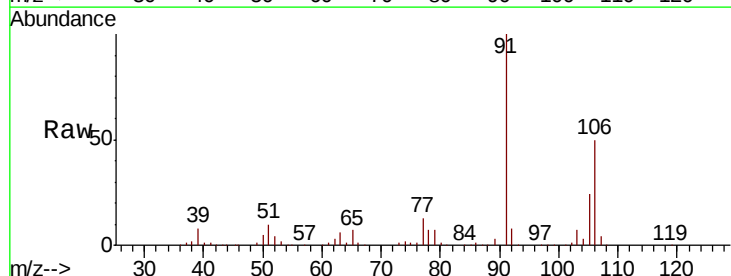
Manual Integrations
APPROVED

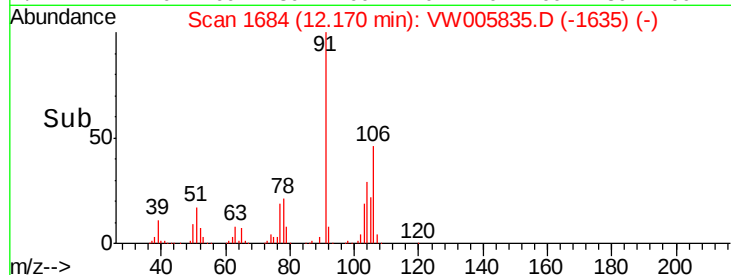
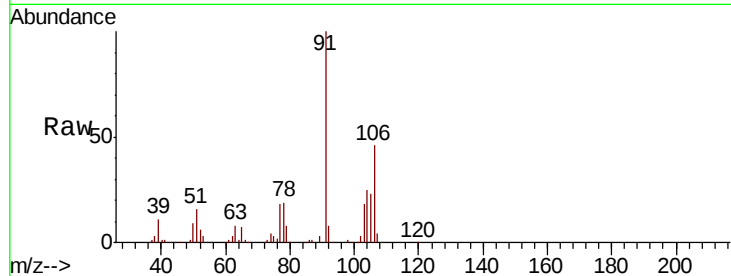
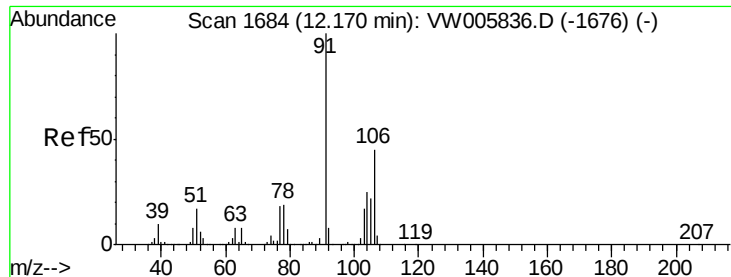
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#68
m/p-Xylenes
Concen: 39.305 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0





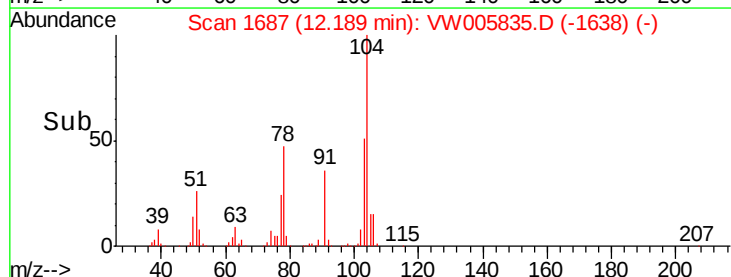
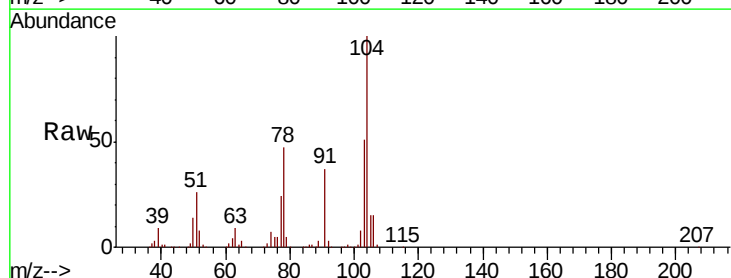
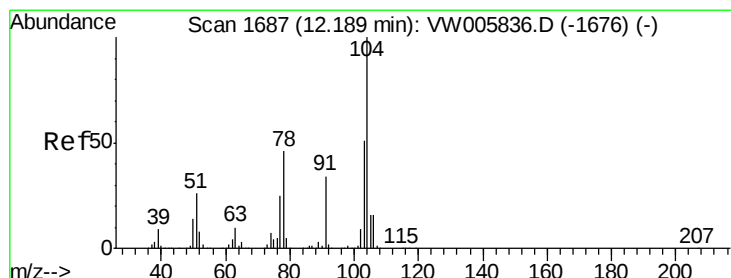
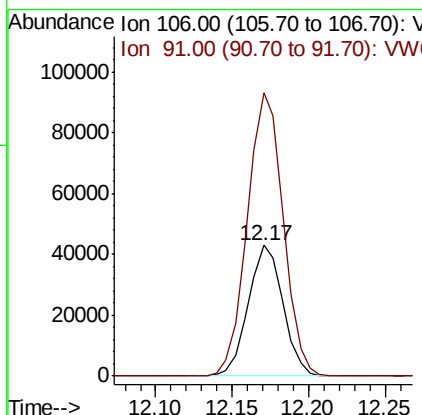
#69
o-Xylene
Concen: 19.256 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tot Ion:106 Resp: 67993
Ion Ratio Lower Upper
106 100
91 224.6 109.7 329.1

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

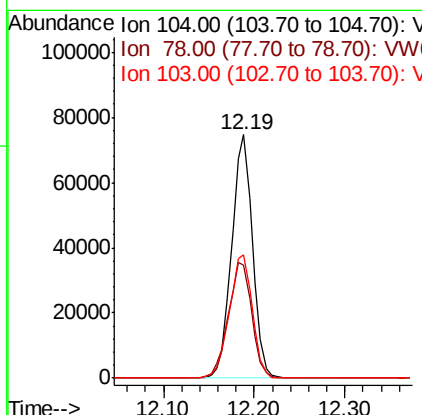
Manual Integrations
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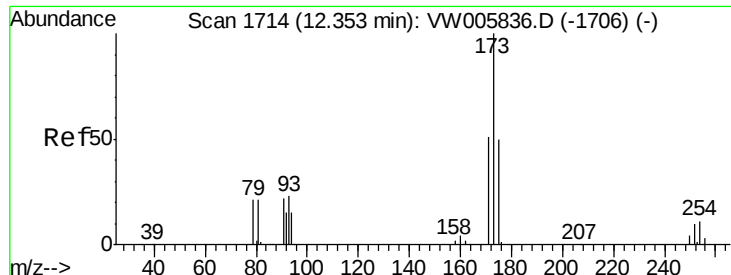
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#70
Styrene
Concen: 20.035 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion:104 Resp: 119030
Ion Ratio Lower Upper
104 100
78 53.6 42.3 63.5
103 56.0 44.9 67.3





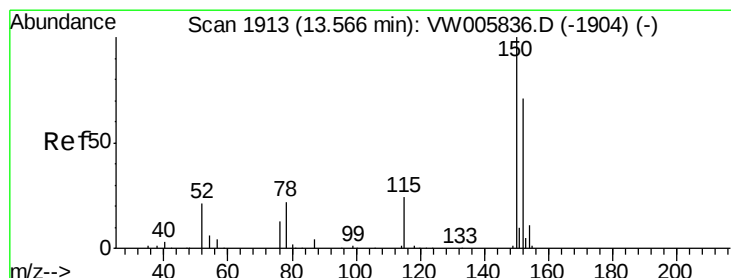
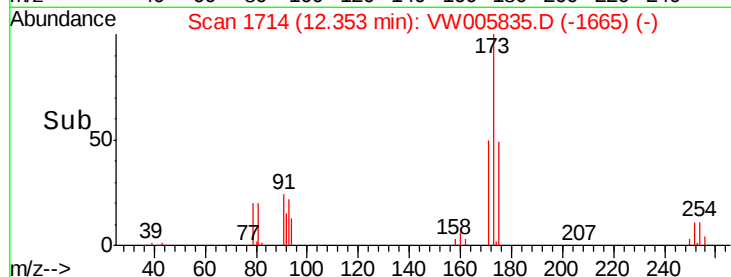
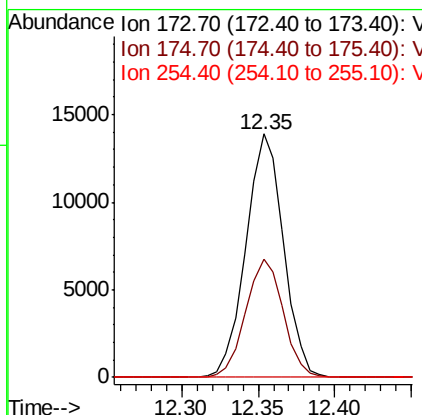
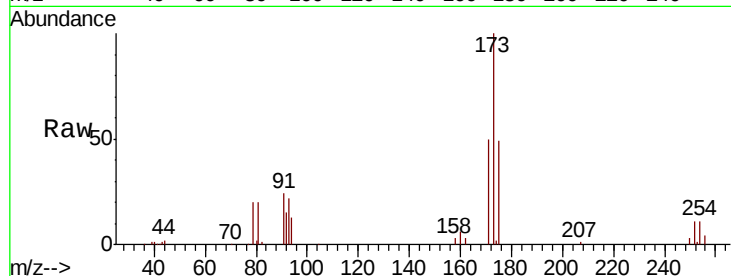
#71
Bromoform
Concen: 21.646 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.9
254	0.0	0.1	0.1#

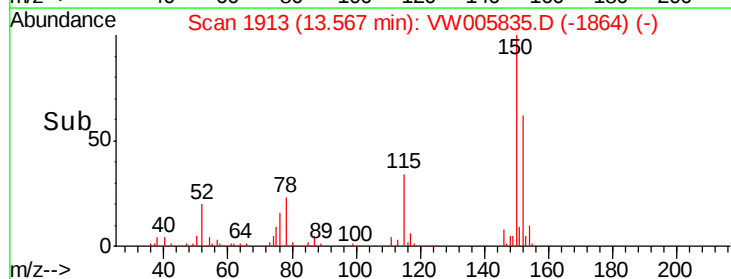
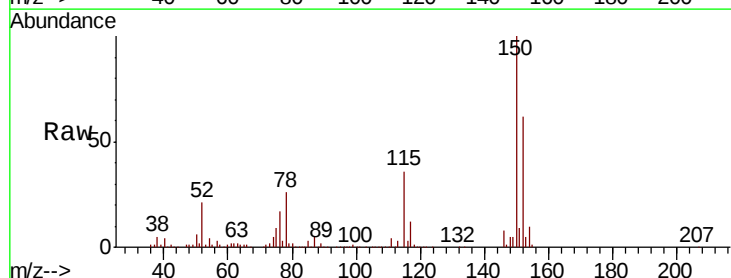
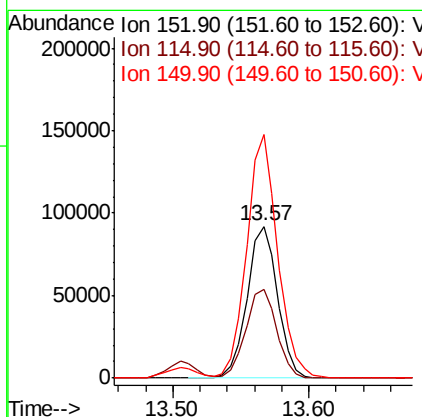
Manual Integrations
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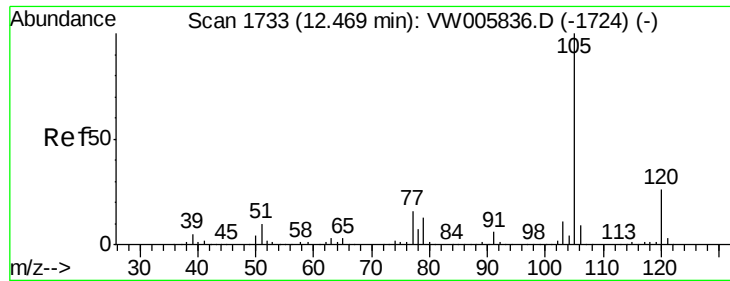
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.8	89.4
150	163.0	0.0	349.4





#73

Isopropylbenzene

Concen: 19.160 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 191193

Ion Ratio Lower Upper

105 100

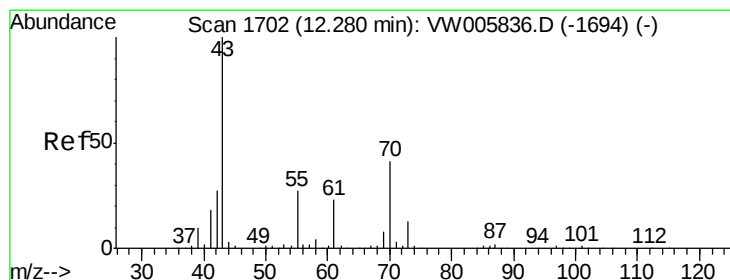
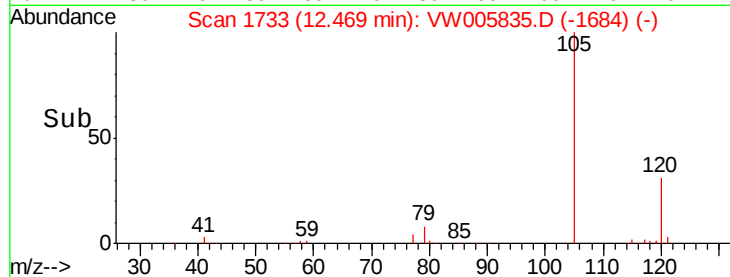
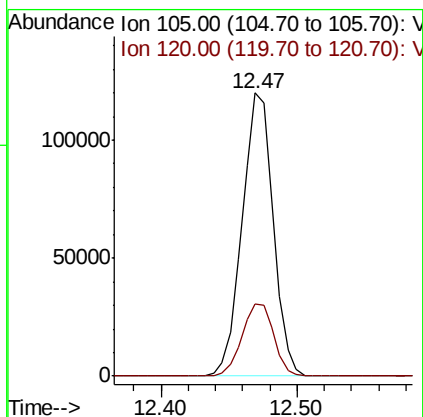
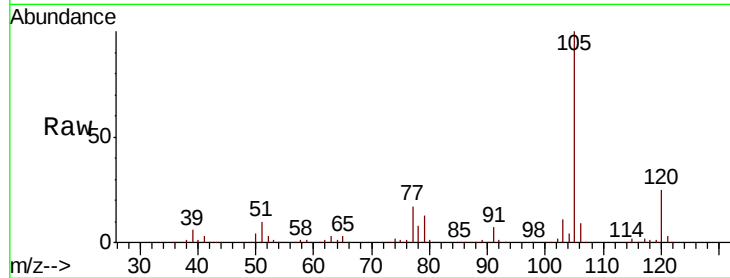
120 26.1 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.528 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Tgt Ion: 43 Resp: 44250

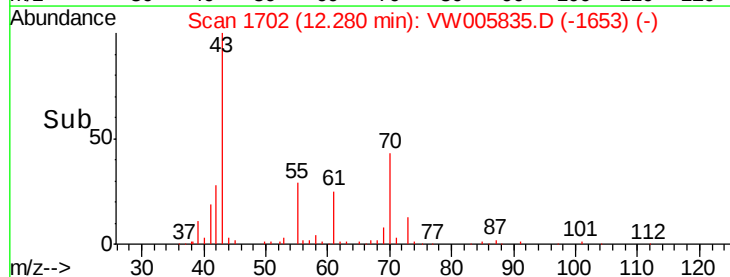
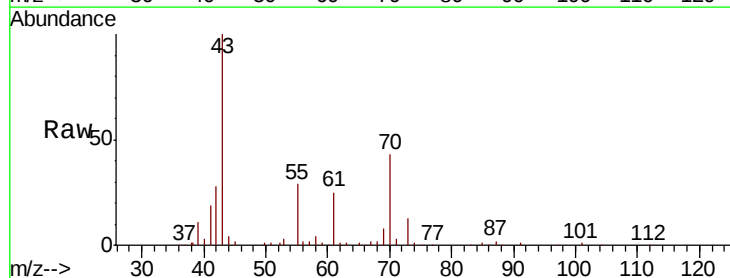
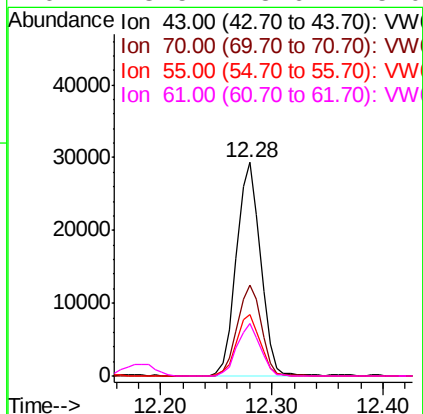
Ion Ratio Lower Upper

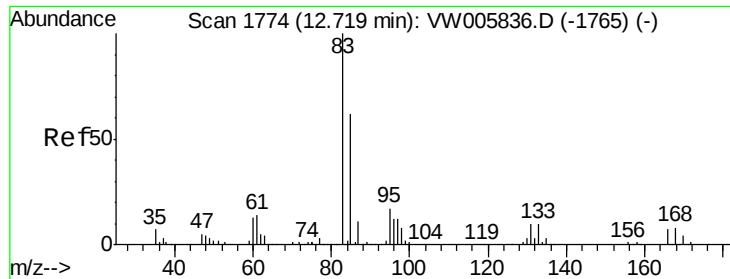
43 100

70 42.3 33.6 50.4

55 28.3 21.8 32.6

61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.390 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

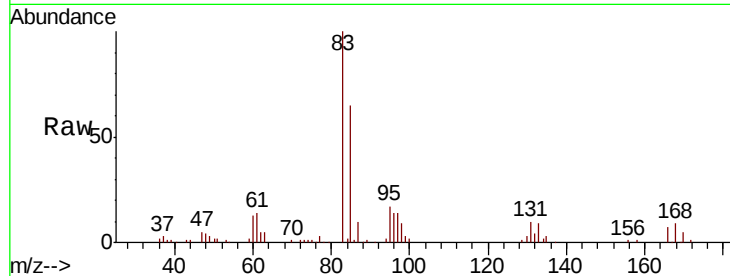
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VSTDIC020

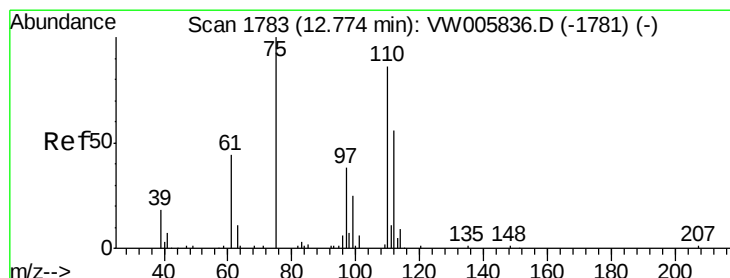
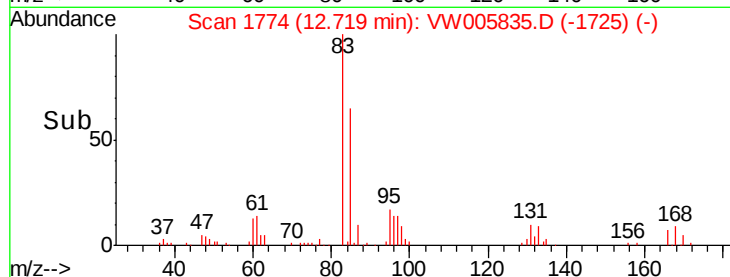
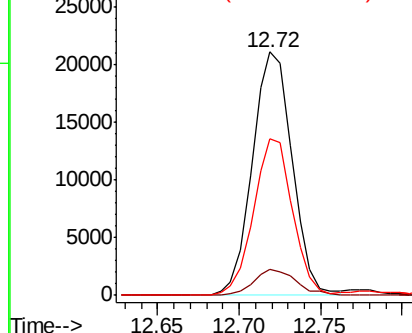
Tot Ion:	83	Resp:	35912
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.9	17.6
85	63.0	31.8	95.3

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: 24.261 ug/l m

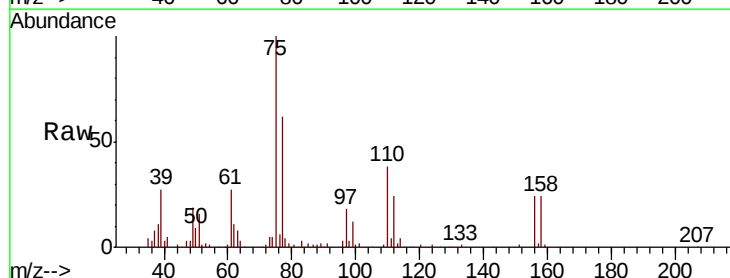
RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

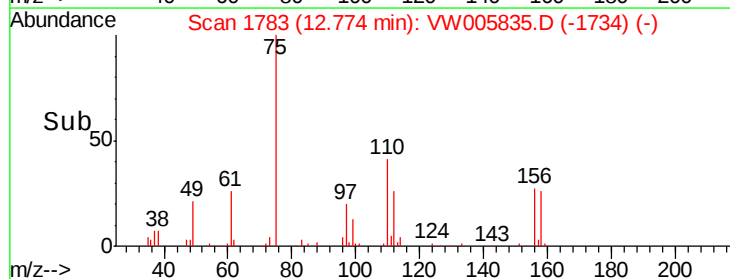
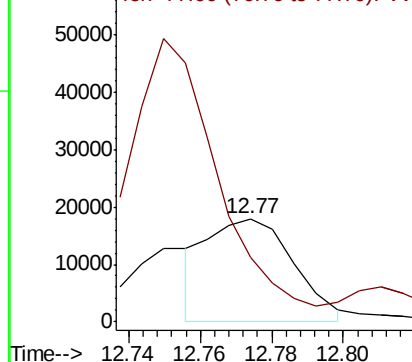
Lab File: VW005835.D

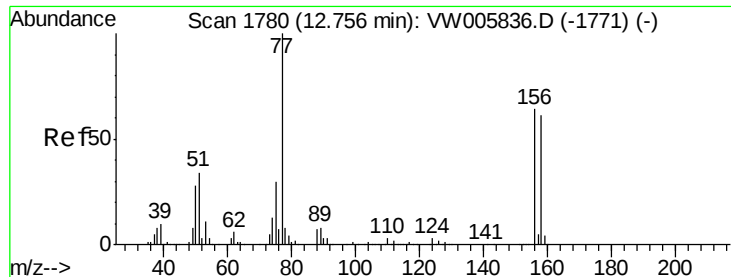
Acq: 04 Oct 2018 04:03

Tgt Ion:	75	Resp:	30231
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





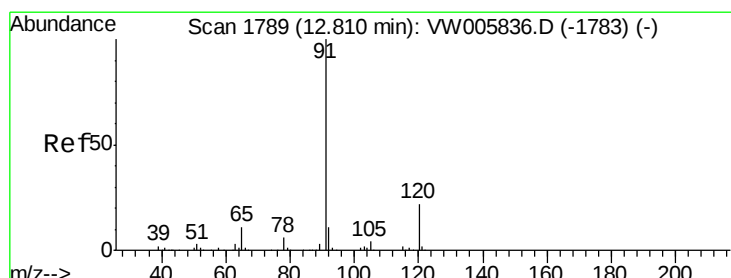
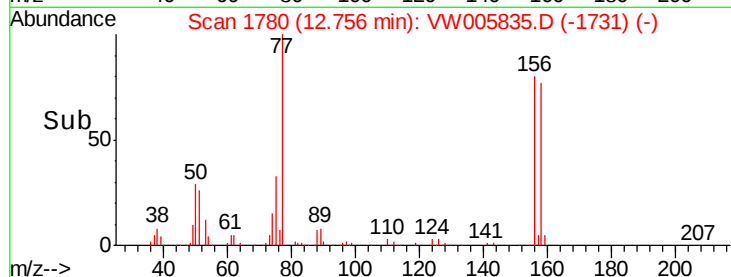
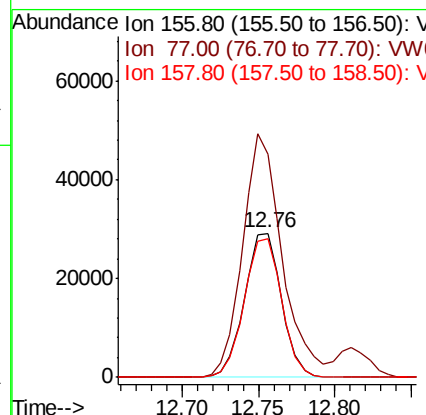
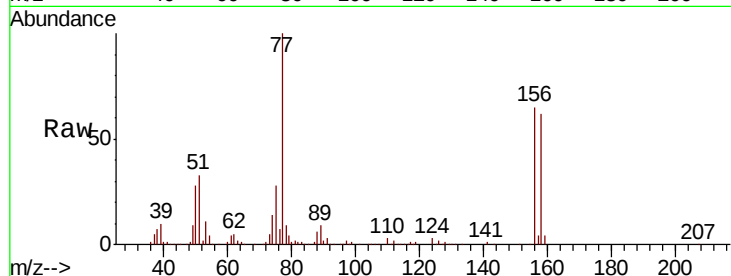
#77
Bromobenzene
Concen: 20.628 ug/l
RT: 12.76 min Scan# 1780
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.8	91.0	273.1
158	98.3	48.4	145.2

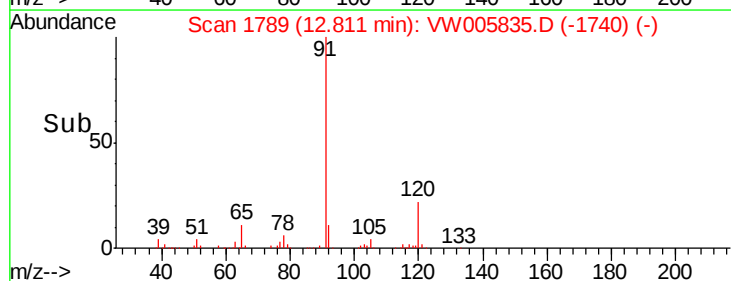
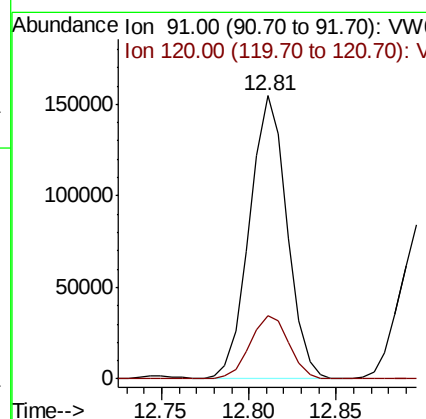
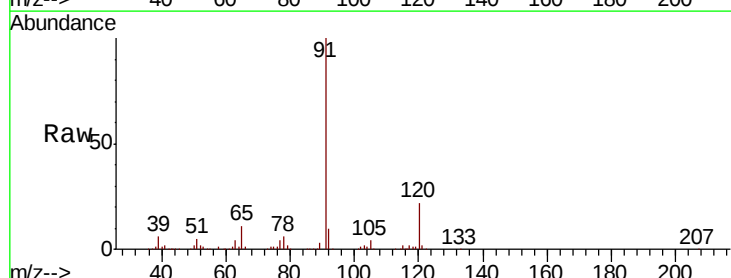
Manual Integrations
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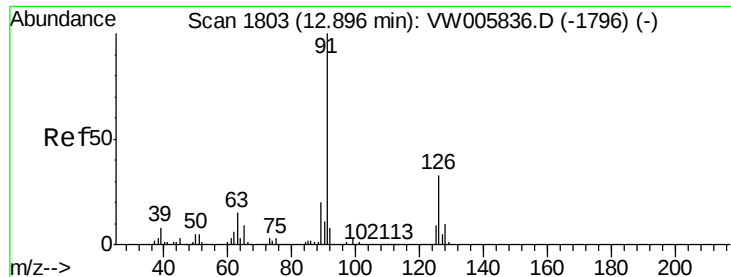
apatel
10/4/2018 2:47:04 PM



#78
n-propylbenzene
Concen: 19.209 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.861 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 139070

Ion Ratio Lower Upper

91 100

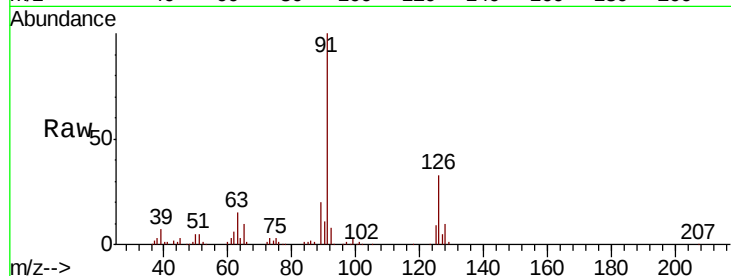
126 32.9 16.6 49.8

Manual Integrations

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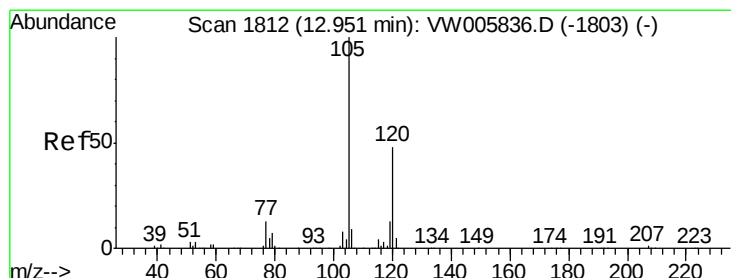
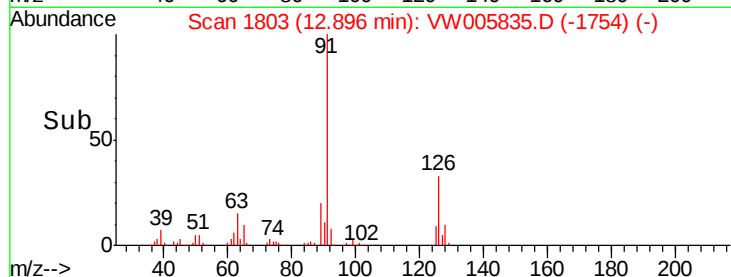
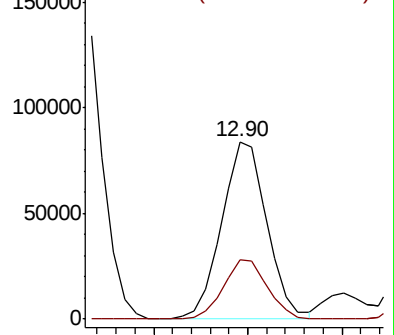
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.721 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005835.D

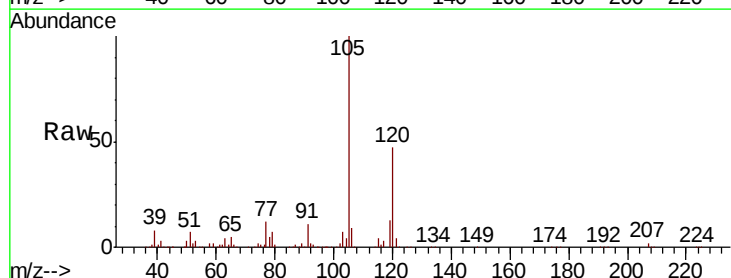
Acq: 04 Oct 2018 04:03

Tgt Ion: 105 Resp: 171255

Ion Ratio Lower Upper

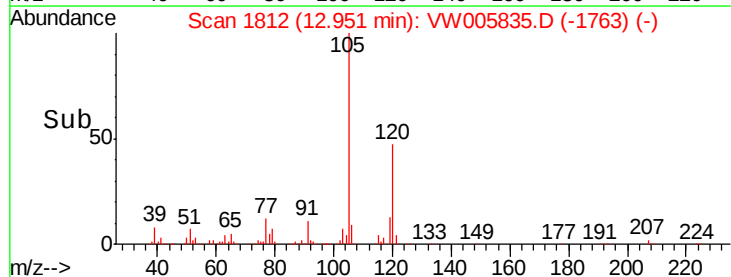
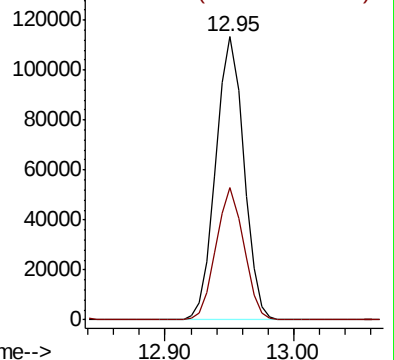
105 100

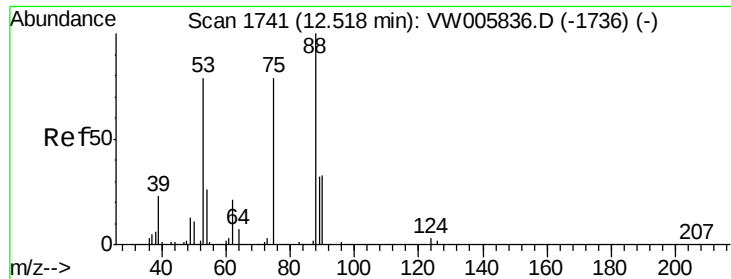
120 46.1 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





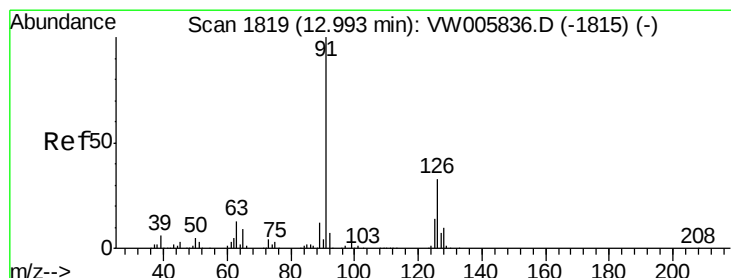
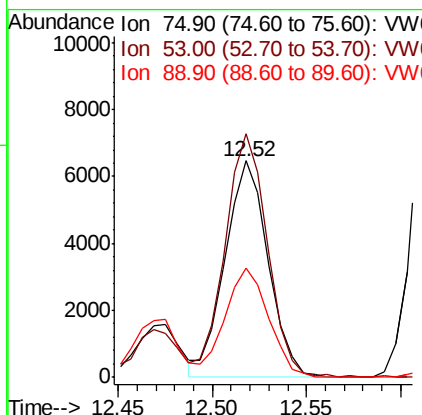
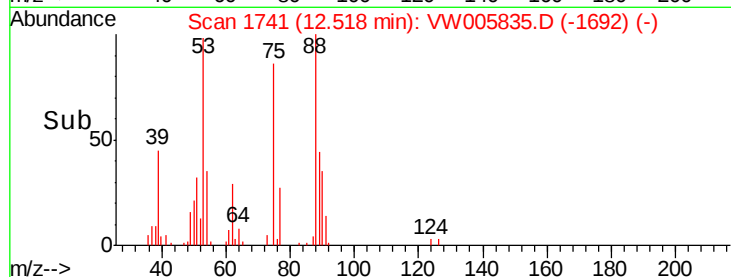
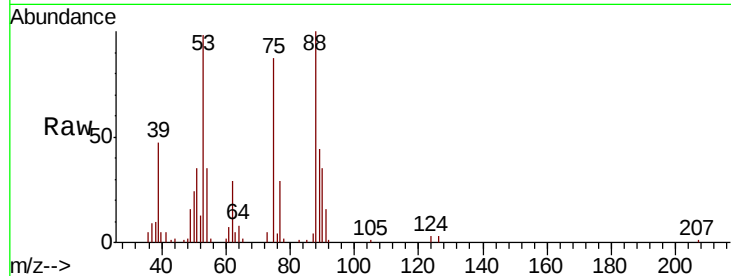
#81
trans-1,4-Dichloro-2-butene
Concen: 18.730 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.7	83.7	125.5
89	50.3	37.5	56.3

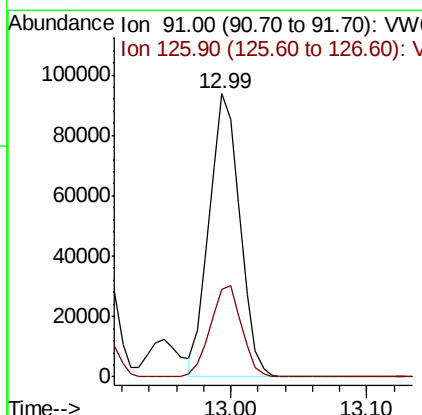
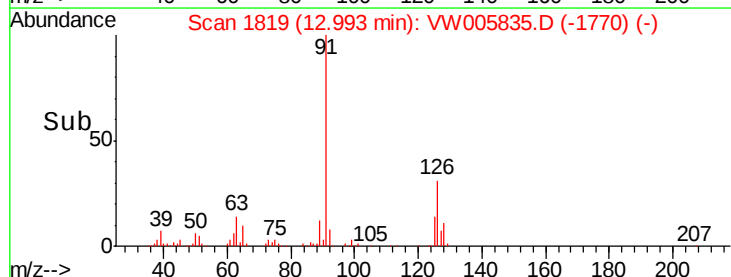
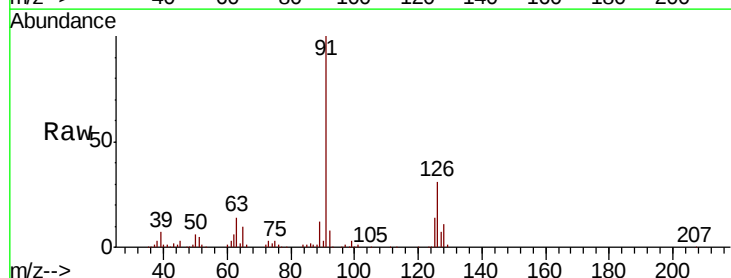
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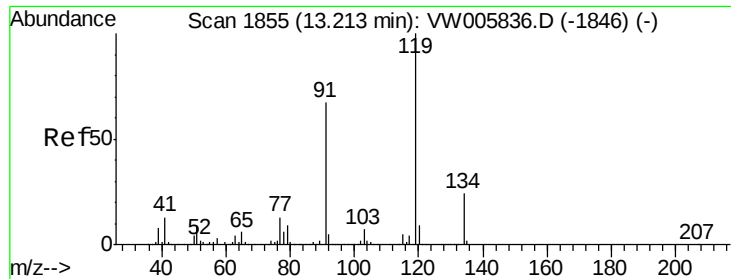
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#82
4-Chlorotoluene
Concen: 19.839 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.7	50.0





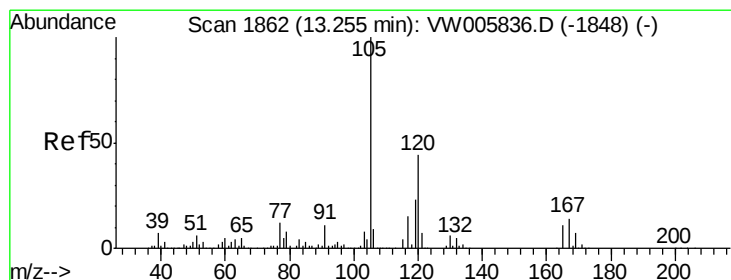
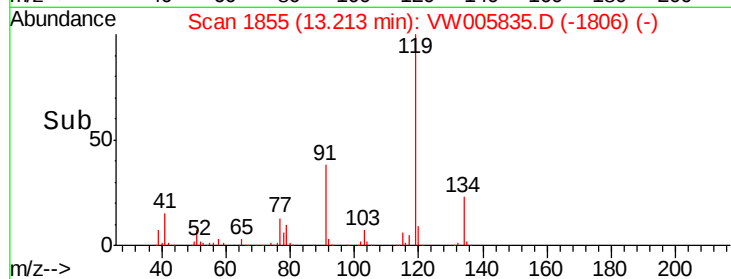
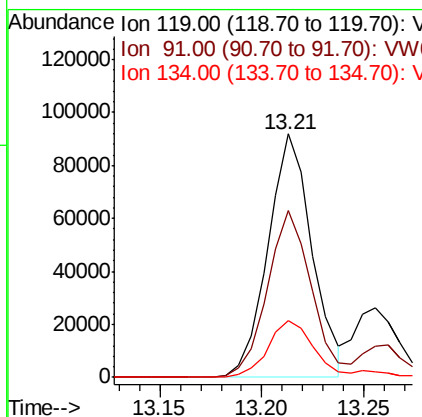
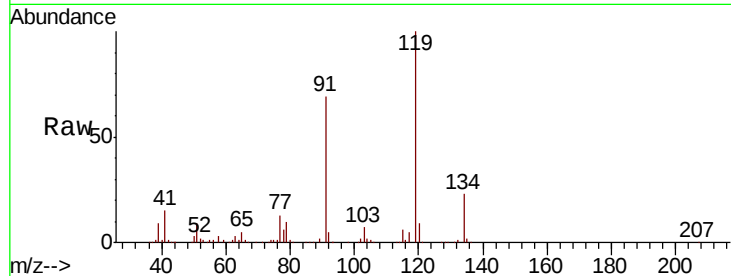
#83
tert-Butylbenzene
Concen: 18.982 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	33.4	100.2
134	24.1	12.8	38.3

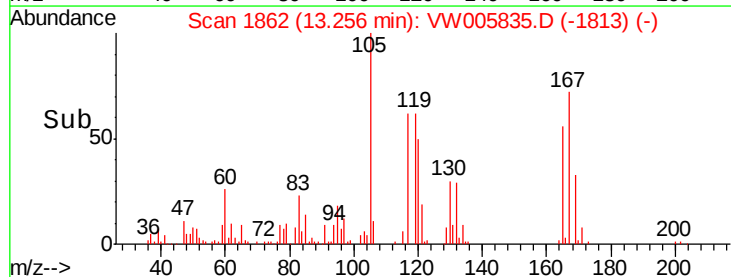
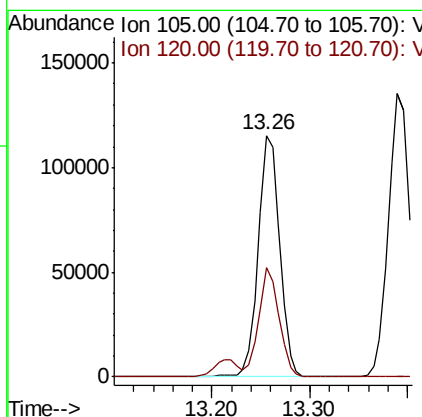
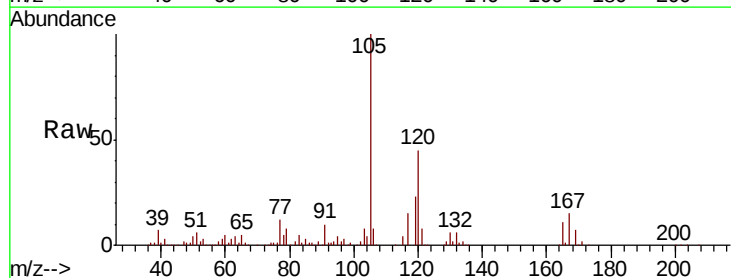
Manual Integrations
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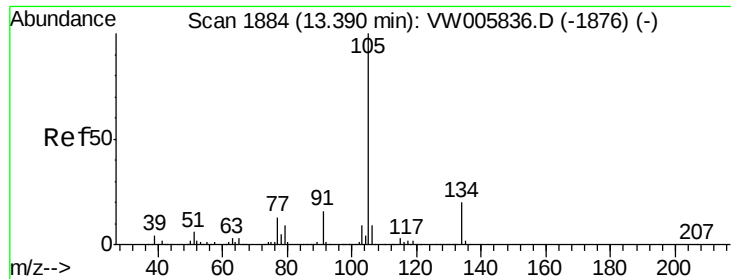
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 20.029 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.9	65.7





#85

sec-Butylbenzene

Concen: 19.505 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 205682

Ion Ratio Lower Upper

105 100

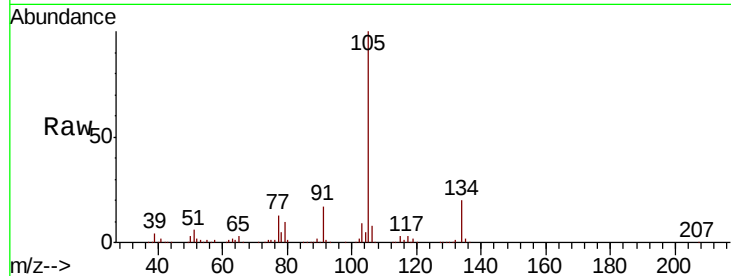
134 19.7 10.0 30.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

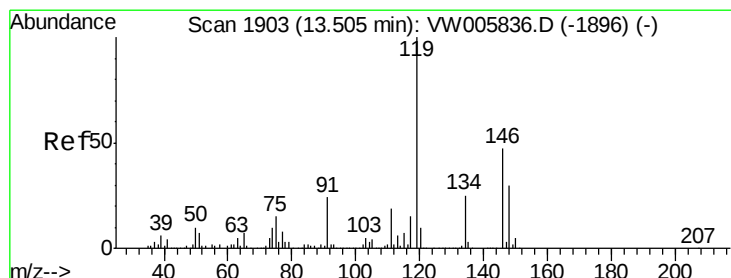
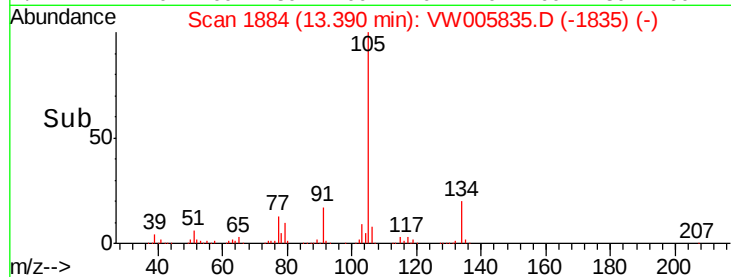
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.272 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

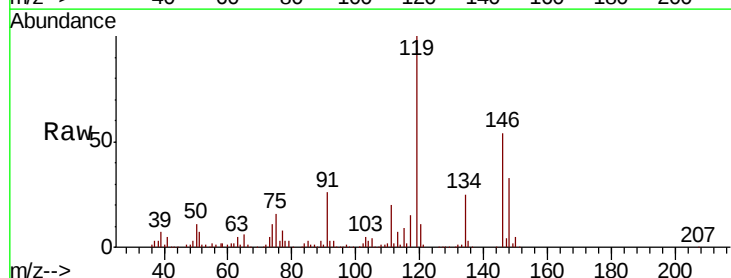
Tgt Ion:119 Resp: 182715

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 25.2 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

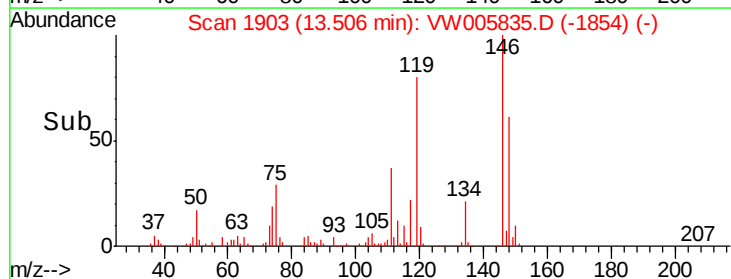
150000

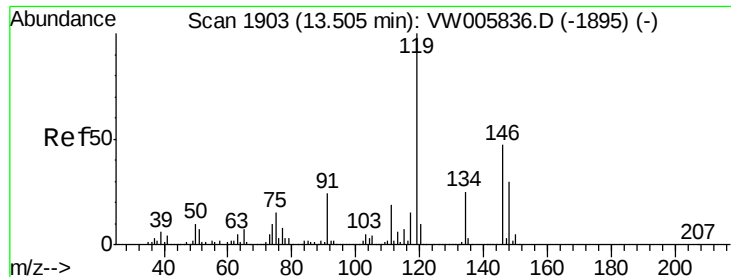
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.747 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

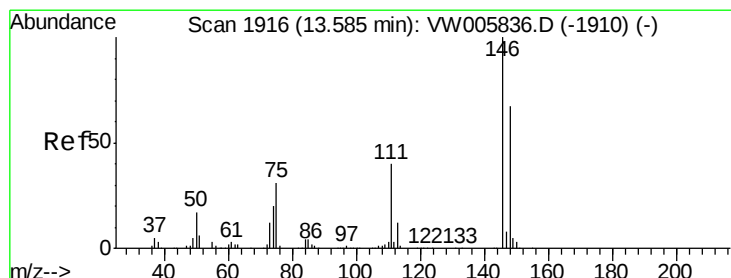
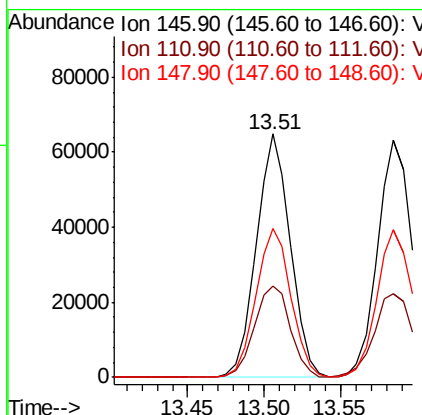
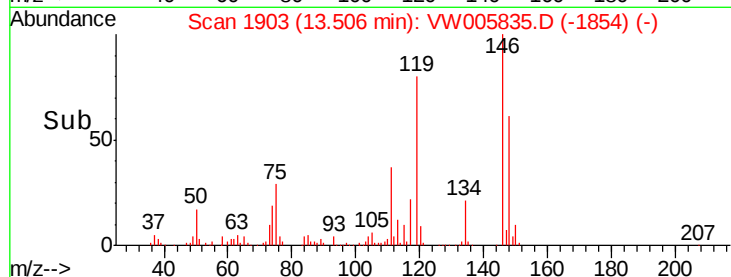
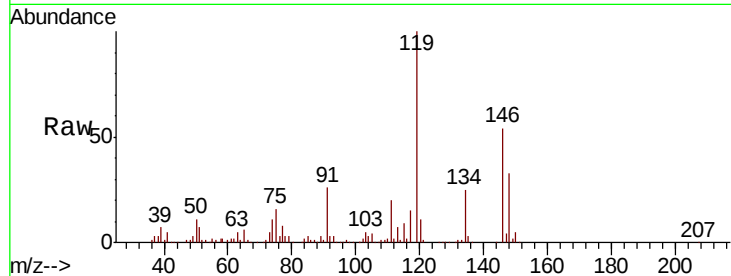
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.7
148	63.0	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 20.667 ug/l

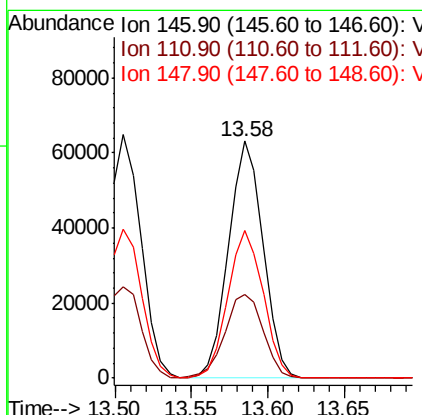
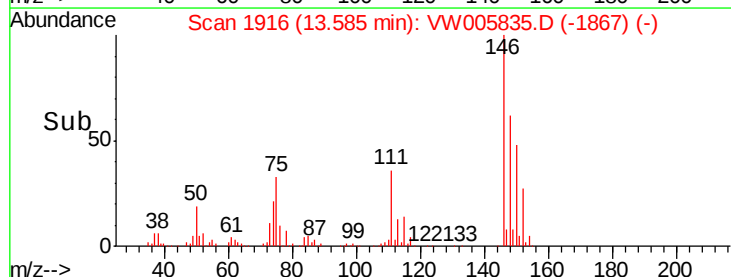
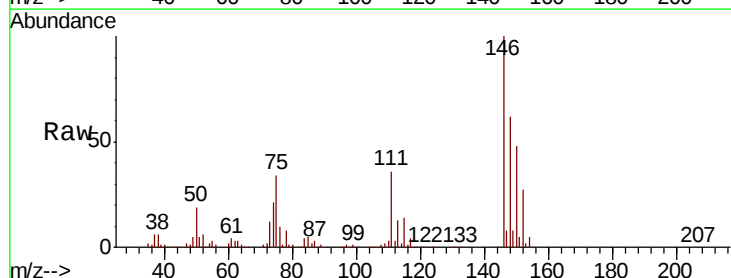
RT: 13.58 min Scan# 1916

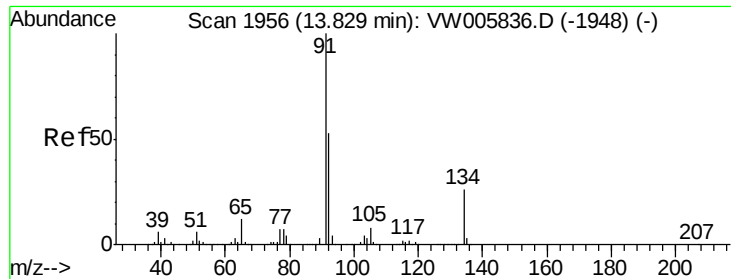
Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	63.8	32.1	96.5





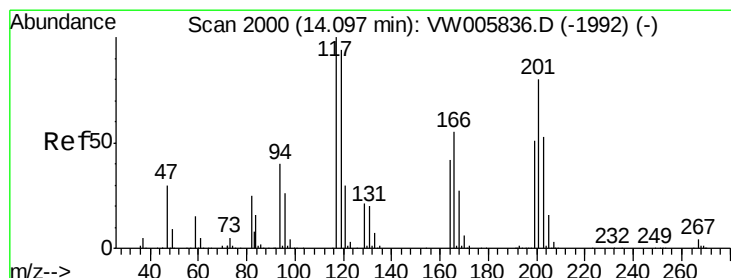
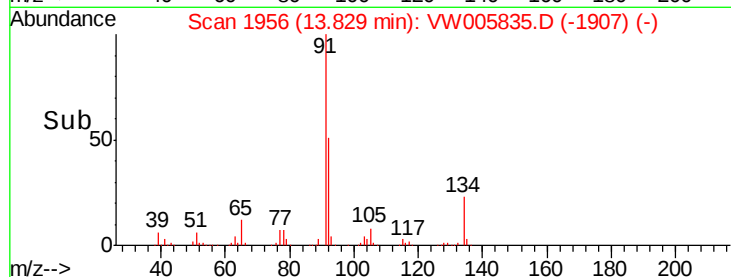
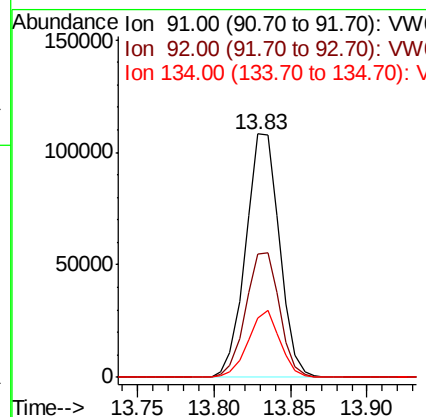
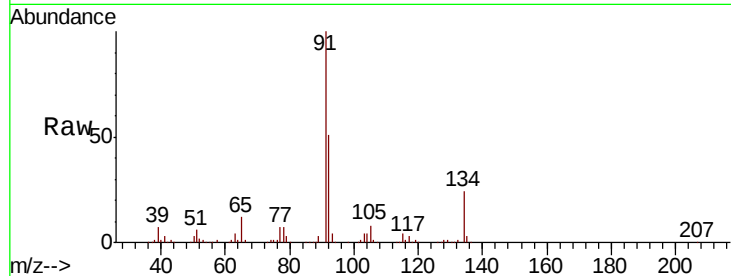
#89
n-Butylbenzene
Concen: 18.638 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	165695		
92	51.2	26.2	78.5	
134	25.6	13.1	39.1	

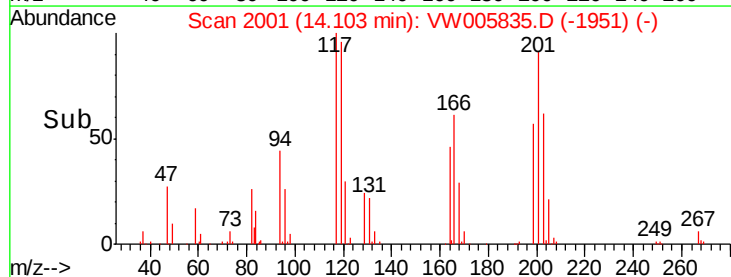
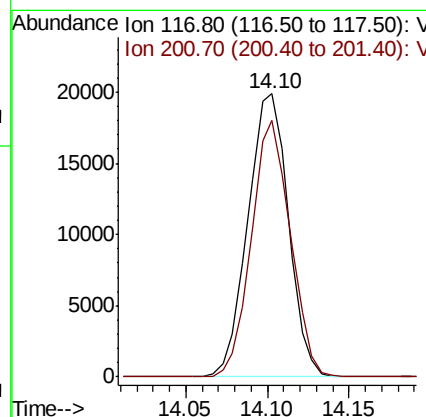
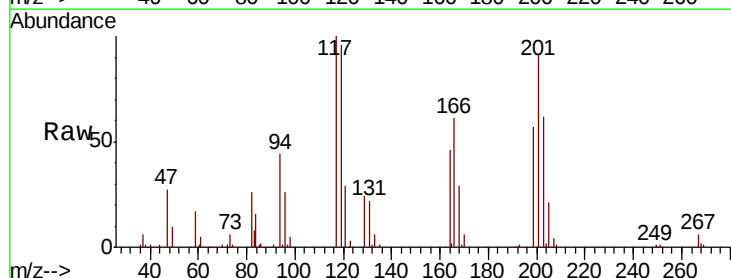
Manual Integrations
APPROVED

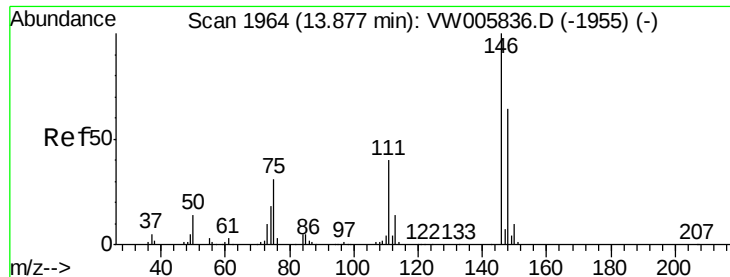
apatel
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#90
Hexachloroethane
Concen: 20.000 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34386		
201	87.1	43.7	131.1	





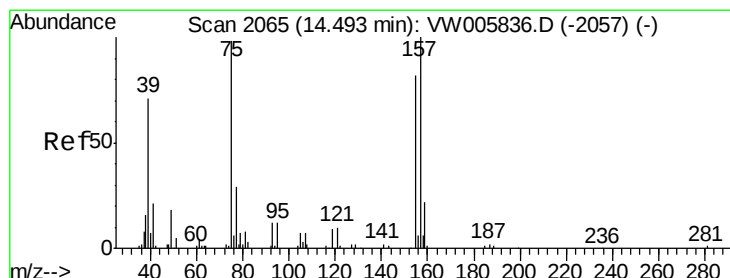
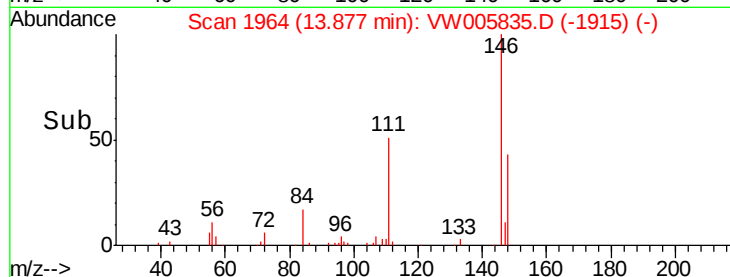
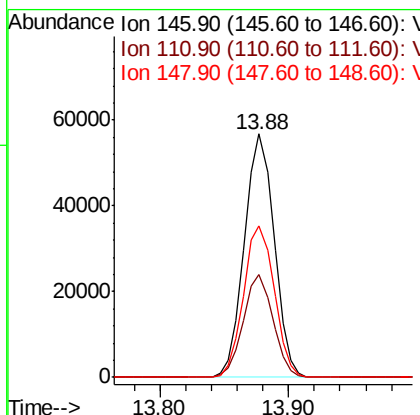
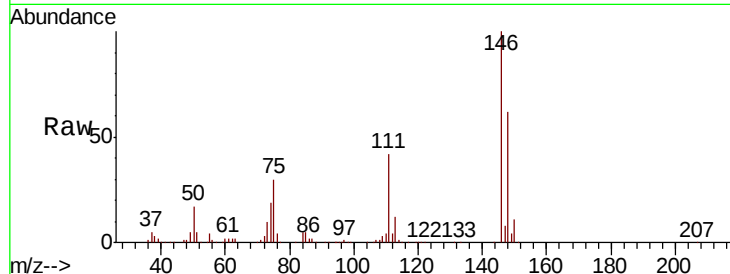
#91
 1,2-Dichlorobenzene
 Concen: 21.257 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.3
148	64.3	32.1	96.3

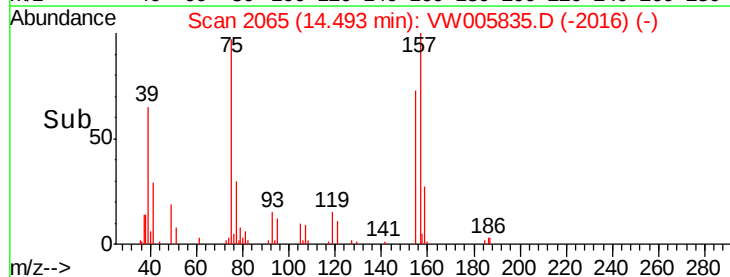
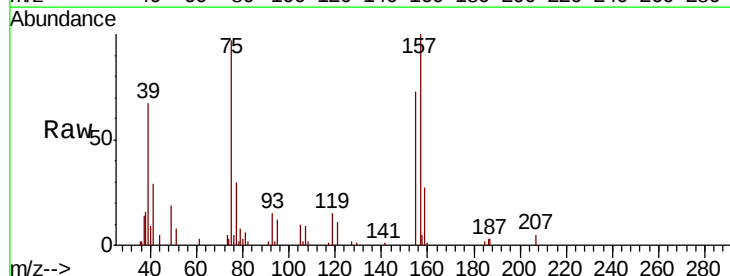
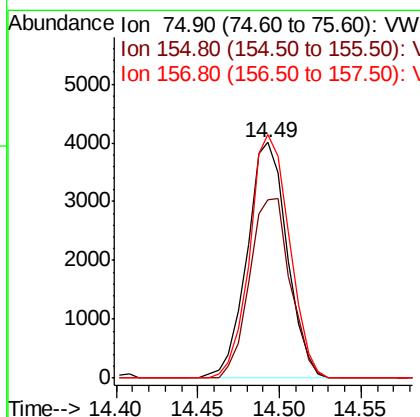
Manual Integrations
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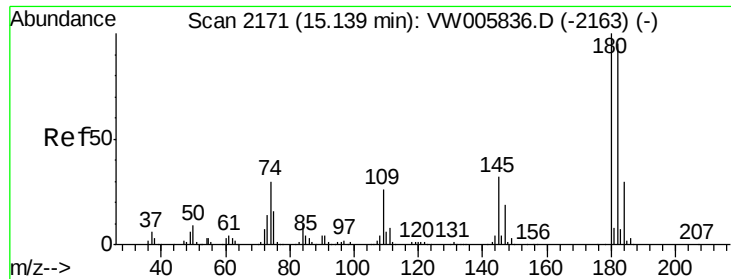
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.124 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	41.3	123.9
157	102.1	51.9	155.7





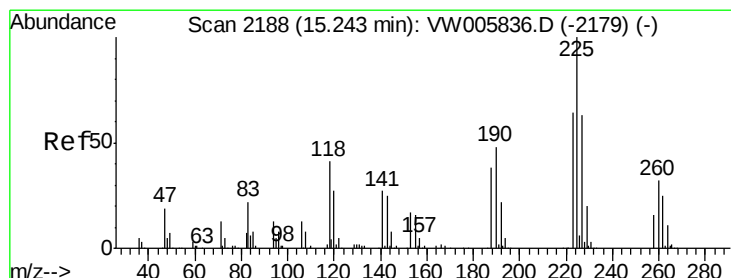
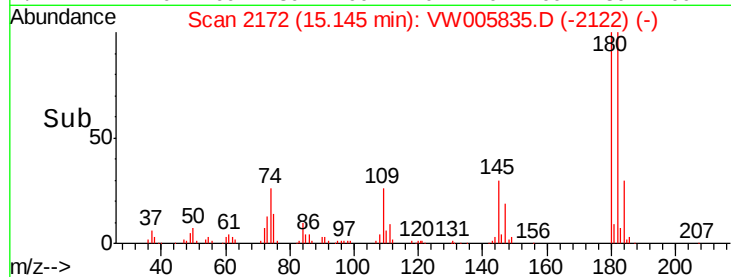
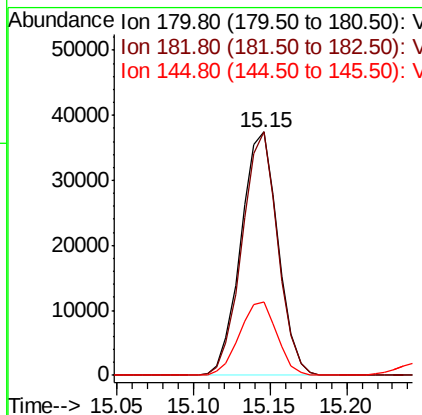
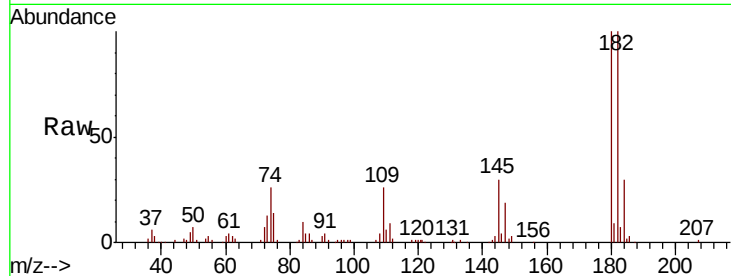
#93
 1,2,4-Trichlorobenzene
 Concen: 20.813 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.6	142.8
145	30.5	15.0	45.0

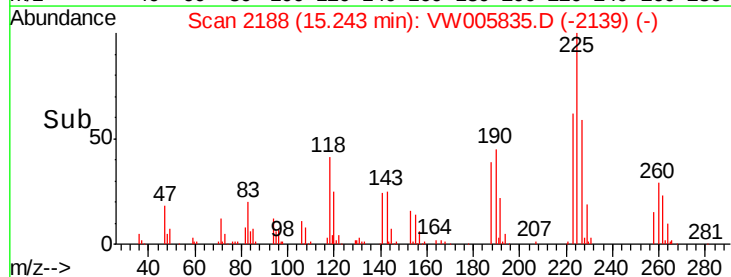
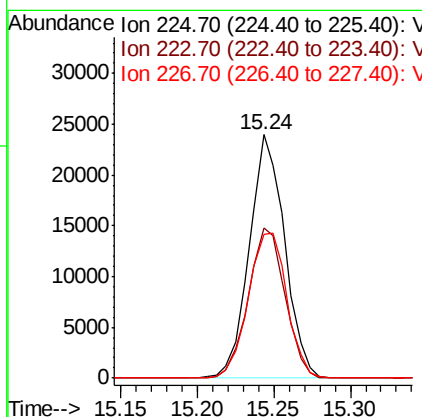
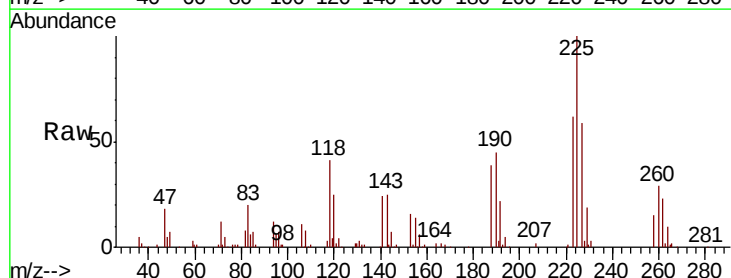
Manual Integrations
 APPROVED

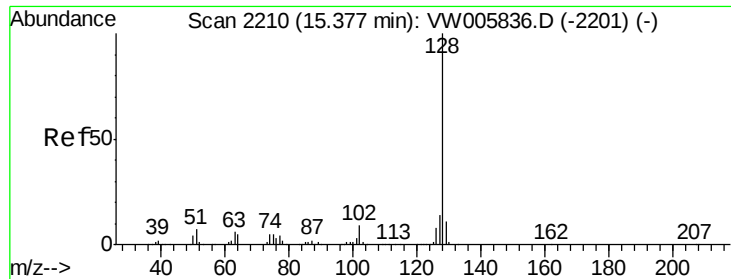
apatel
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#94
 Hexachlorobutadiene
 Concen: 19.612 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.2	93.6
227	65.4	31.7	95.1





#95

Naphthalene

Concen: 20.704 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

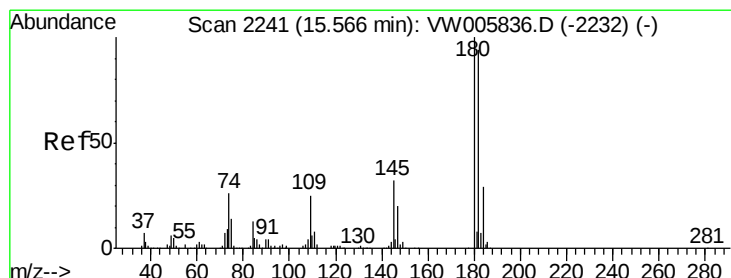
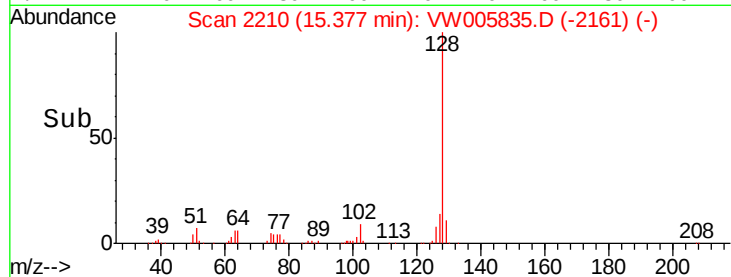
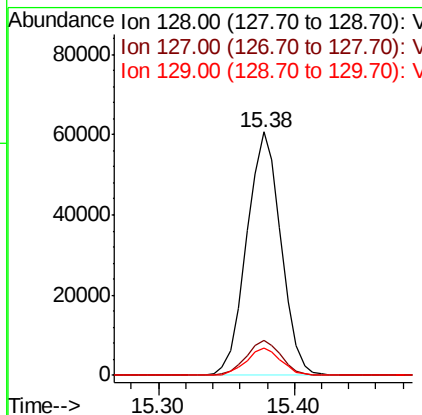
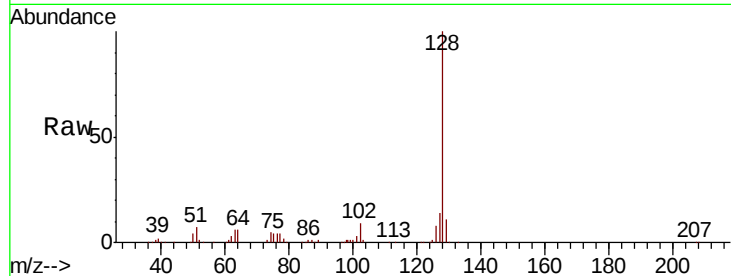
ClientSampled :

VSTDIC020

Tot Ion:	128	Resp:	106898
Ion Ratio	Lower	Upper	
128	100		
127	14.5	10.9	16.3
129	11.0	8.9	13.3

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.242 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Tgt Ion:	180	Resp:	57087
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.3	142.0
145	32.1	16.1	48.2

