

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006973.D
 Acq On : 20 Nov 2018 13:48
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 11:32:32 AM

Quant Time: Nov 21 03:03:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 02:56:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	119570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	187661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	177433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	5879	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
35) Dibromofluoromethane	7.88	113	4982	4.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.40%	
50) Toluene-d8	10.33	98	23120	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.62	95	9336	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	5469	4.63	ug/l	94
3) Chloromethane	2.21	50	4342	4.41	ug/l	96
4) Vinyl Chloride	2.36	62	4582	4.73	ug/l	92
5) Bromomethane	2.78	94	2702	5.23	ug/l	97
6) Chloroethane	2.93	64	2591	4.86	ug/l	92
7) Trichlorofluoromethane	3.26	101	8761	4.60	ug/l	86
8) Diethyl Ether	3.70	74	3119	5.09	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	6509	5.27	ug/l	96
10) Methyl Iodide	4.28	142	5866	4.15	ug/l	99
11) Tert butyl alcohol	5.21	59	1966m	26.17	ug/l	
12) 1,1-Dichloroethene	4.04	96	5400	4.99	ug/l	97
13) Acrolein	3.91	56	1794	22.92	ug/l	99
14) Allyl chloride	4.68	41	8718	4.86	ug/l	98
15) Acrylonitrile	5.38	53	5389	23.38	ug/l	99
16) Acetone	4.15	43	4435	26.09	ug/l	90
17) Carbon Disulfide	4.39	76	15544	4.44	ug/l #	94
18) Methyl Acetate	4.69	43	3670	6.06	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	13290	4.70	ug/l	99
20) Methylene Chloride	4.92	84	13523	8.05	ug/l	98
21) trans-1,2-Dichloroethene	5.44	96	6353	5.04	ug/l	86
22) Diisopropyl ether	6.32	45	16629	4.76	ug/l	97
23) Vinyl Acetate	6.26	43	40533	21.85	ug/l	99
24) 1,1-Dichloroethane	6.23	63	10533	4.96	ug/l	98
25) 2-Butanone	7.18	43	7467	25.65	ug/l	98
26) 2,2-Dichloropropane	7.18	77	10145	5.31	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	6450	4.80	ug/l	93
28) Bromochloromethane	7.52	49	4199	5.29	ug/l #	97
29) Tetrahydrofuran	7.54	42	4594	24.37	ug/l	95
30) Chloroform	7.68	83	11786	5.22	ug/l	92
31) Cyclohexane	7.96	56	12916	5.73	ug/l #	84
32) 1,1,1-Trichloroethane	7.88	97	10032	4.93	ug/l	99
36) 1,1-Dichloropropene	8.09	75	9514	5.19	ug/l	99
37) Ethyl Acetate	7.27	43	3285	4.94	ug/l #	97
38) Carbon Tetrachloride	8.07	117	8682	4.94	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	11185	4.87	ug/l	98
40) Benzene	8.33	78	24200	4.89	ug/l	93
41) Methacrylonitrile	7.50	41	1963	4.76	ug/l	98
42) 1,2-Dichloroethane	8.40	62	7364	5.12	ug/l	99
43) Isopropyl Acetate	8.43	43	5848	4.62	ug/l	98
44) Trichloroethene	9.10	130	6998	5.04	ug/l	95
45) 1,2-Dichloropropane	9.38	63	6079	4.98	ug/l #	84
46) Dibromomethane	9.46	93	2923	4.78	ug/l	99
47) Bromodichloromethane	9.65	83	8041	4.99	ug/l #	88
48) Methyl methacrylate	9.45	41	3025	4.95	ug/l	89
49) 1,4-Dioxane	9.48	88	865	95.24	ug/l #	56
51) 4-Methyl-2-Pentanone	10.21	43	15825	24.73	ug/l	100
52) Toluene	10.39	92	16650	4.94	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	7119	4.56	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	8821	4.68	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	4628	5.15	ug/l	91
56) Ethyl methacrylate	10.65	69	4530	4.34	ug/l	97
57) 1,3-Dichloropropane	10.94	76	7161	4.75	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	14075	25.81	ug/l	97
59) 2-Hexanone	10.98	43	10015	22.85	ug/l	99
60) Dibromochloromethane	11.13	129	4631	4.52	ug/l	98
61) 1,2-Dibromoethane	11.24	107	3853	4.68	ug/l	97
64) Tetrachloroethene	10.87	164	5898	5.17	ug/l	96
65) Chlorobenzene	11.66	112	17809	4.81	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	5351	4.78	ug/l	95
67) Ethyl Benzene	11.73	91	33635	4.94	ug/l	98
68) m/p-Xylenes	11.84	106	26345	9.87	ug/l	100
69) o-Xylene	12.17	106	12685	5.04	ug/l	94
70) Styrene	12.18	104	18955	4.73	ug/l	99
71) Bromoform	12.35	173	2372	4.49	ug/l #	99
73) Isopropylbenzene	12.47	105	33639	4.77	ug/l	99
74) N-amyl acetate	12.28	43	5165	4.37	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	4610	4.91	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	4356m	3.71	ug/l	
77) Bromobenzene	12.75	156	7309	4.82	ug/l	97
78) n-propylbenzene	12.81	91	41449	4.85	ug/l	100
79) 2-Chlorotoluene	12.90	91	24253	4.92	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	29612	4.85	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	1251	4.40	ug/l	96
82) 4-Chlorotoluene	12.99	91	25100	4.85	ug/l	98
83) tert-Butylbenzene	13.21	119	25851	4.89	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	28716	4.72	ug/l	99
85) sec-Butylbenzene	13.39	105	36026	4.83	ug/l	99
86) p-Isopropyltoluene	13.50	119	32365	4.91	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	15695	5.07	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	15269	4.95	ug/l	92
89) n-Butylbenzene	13.83	91	28803	4.65	ug/l	99
90) Hexachloroethane	14.10	117	4569	4.75	ug/l	91
91) 1,2-Dichlorobenzene	13.88	146	13540	4.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	605	3.81	ug/l	91

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MSVOA_W
ClientSampleId :
VSTDICC005

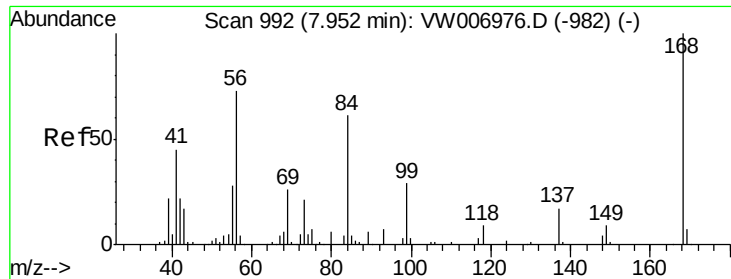
Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	8459	4.73	ug/l	96
94) Hexachlorobutadiene	15.24	225	4812	4.95	ug/l	99
95) Naphthalene	15.38	128	15063	4.64	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	6913	4.66	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 168 Resp: 119570

Ion Ratio Lower Upper

168 100

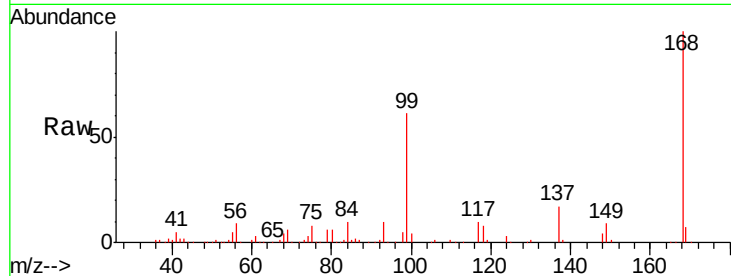
99 60.5 48.2 72.4

Manual Integrations

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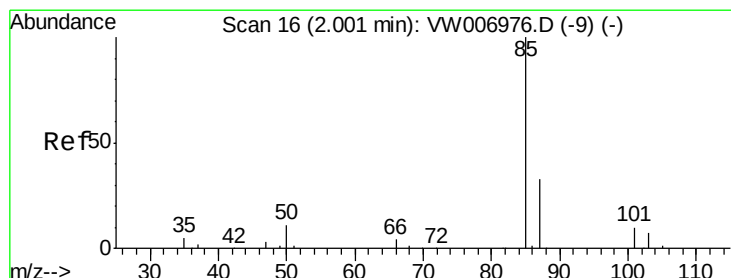
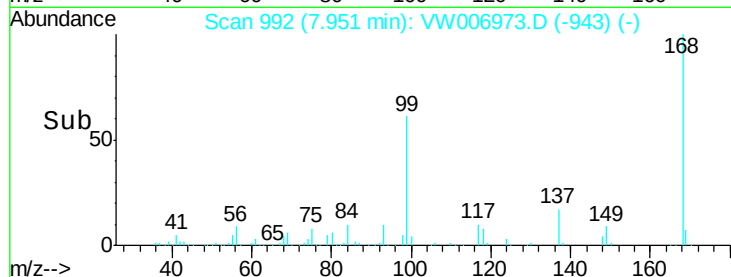
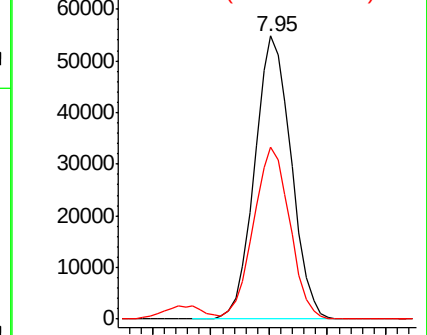
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11/21/2018 11:32:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 4.63 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006973.D

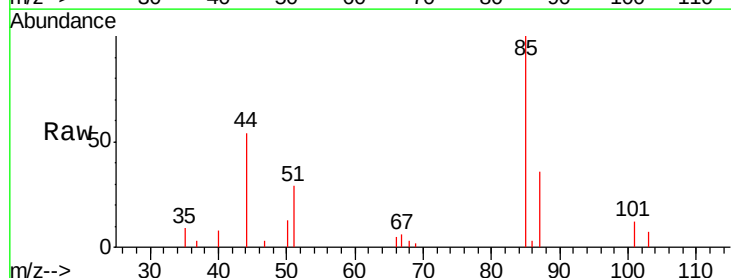
Acq: 20 Nov 2018 13:48

Tgt Ion: 85 Resp: 5469

Ion Ratio Lower Upper

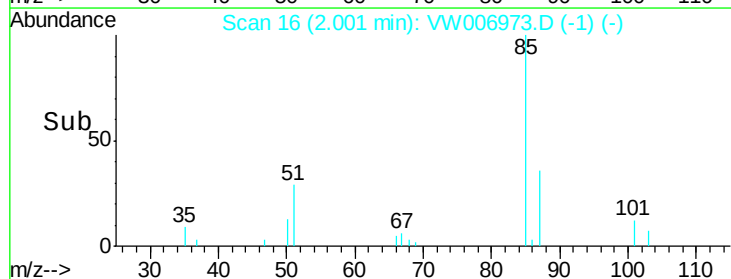
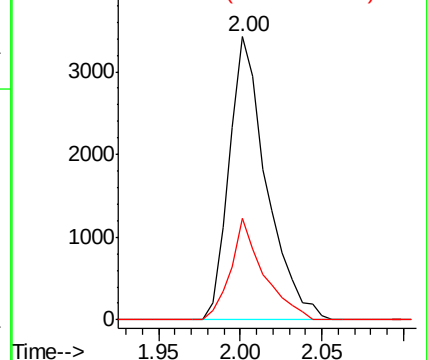
85 100

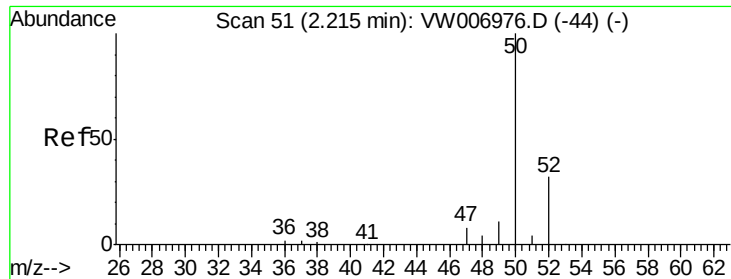
87 35.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 4.41 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 4342

Ion Ratio Lower Upper

50 100

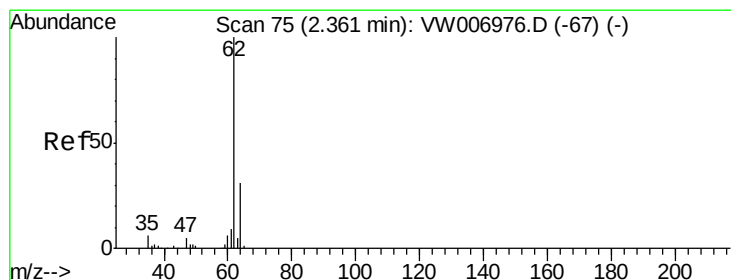
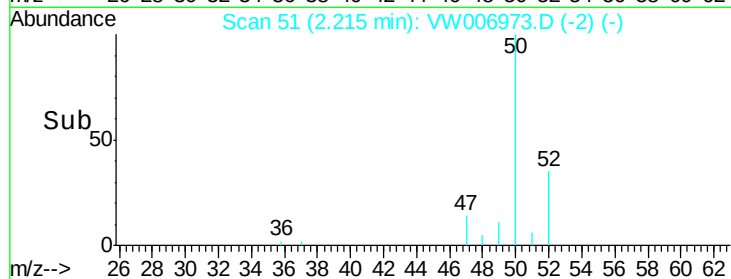
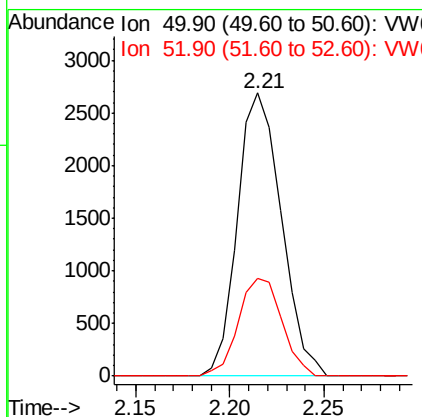
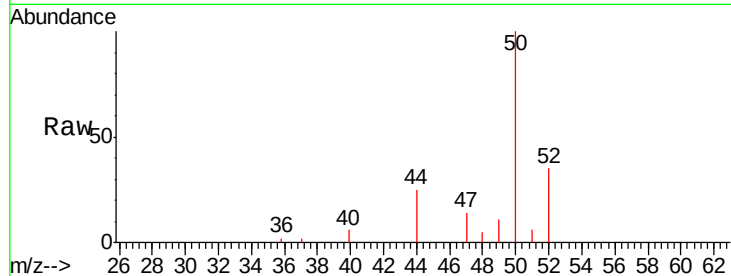
52 34.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.73 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW006973.D

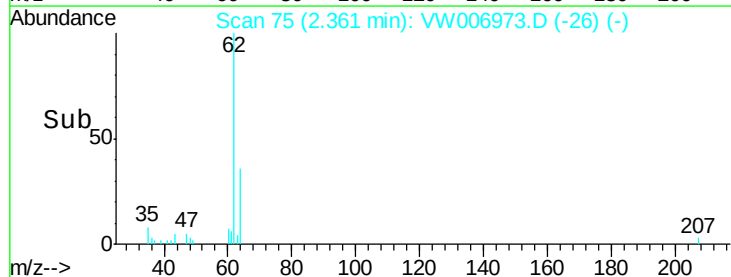
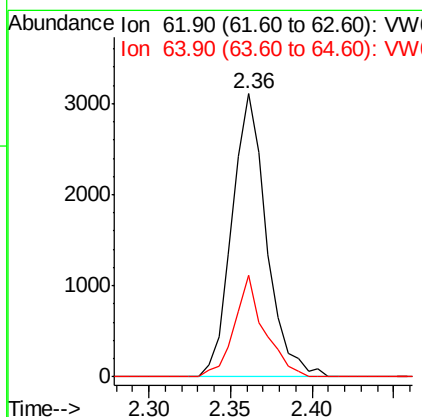
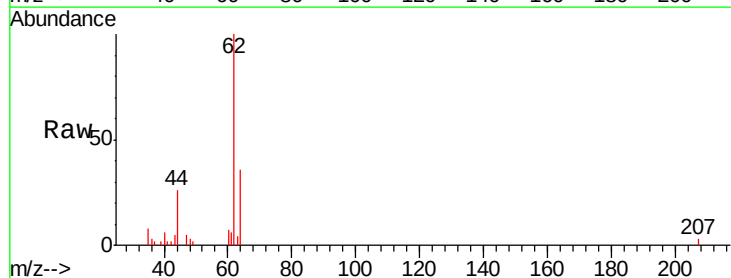
Acq: 20 Nov 2018 13:48

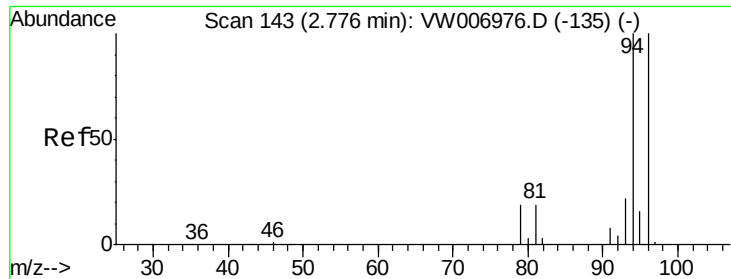
Tgt Ion: 62 Resp: 4582

Ion Ratio Lower Upper

62 100

64 36.1 25.2 37.8





#5

Bromomethane

Concen: 5.23 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 2702

Ion Ratio Lower Upper

94 100

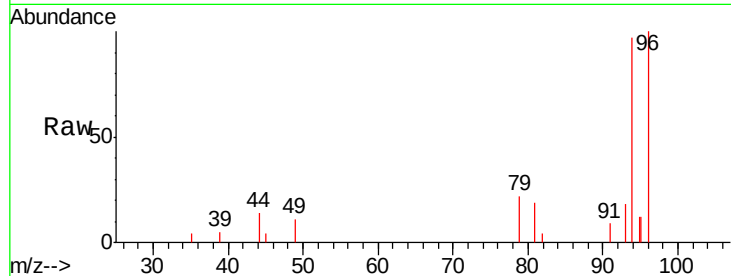
96 103.1 80.2 120.2

Manual Integrations

APPROVED

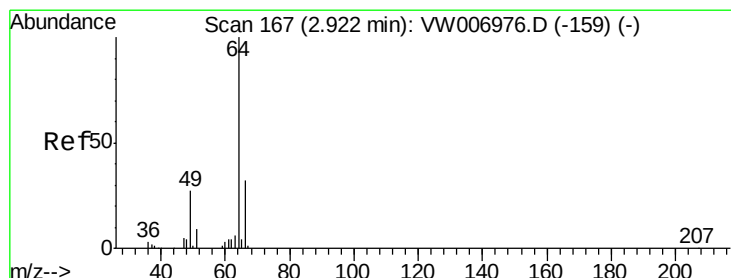
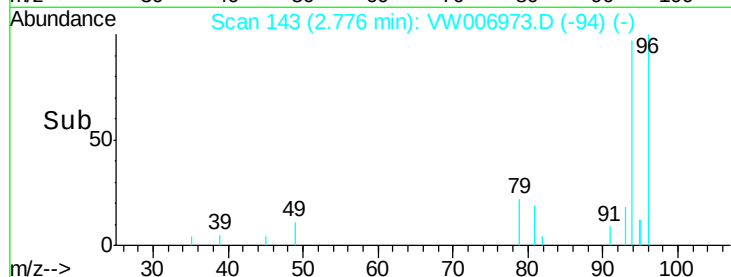
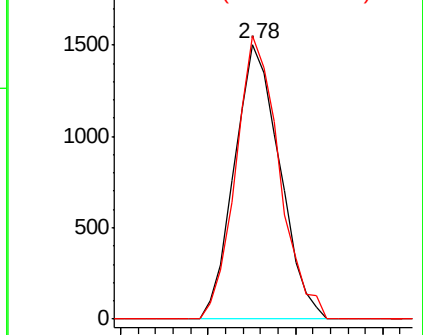
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 4.86 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW006973.D

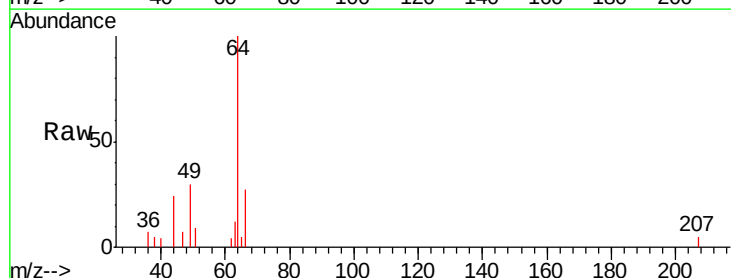
Acq: 20 Nov 2018 13:48

Tgt Ion: 64 Resp: 2591

Ion Ratio Lower Upper

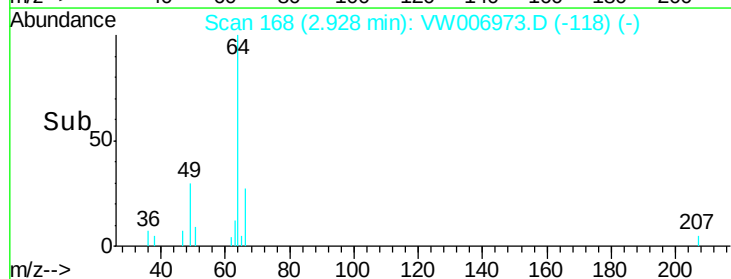
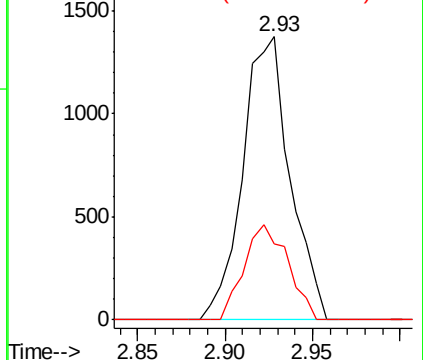
64 100

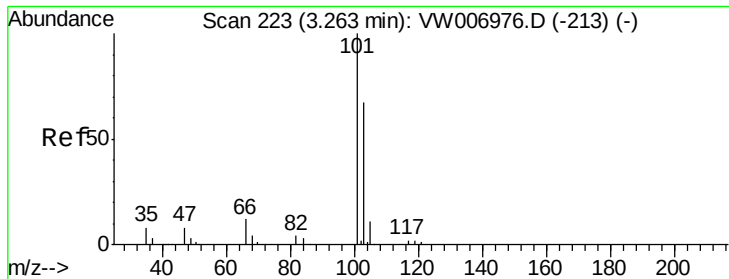
66 26.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

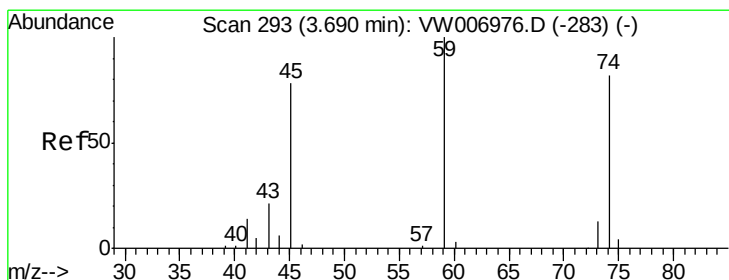
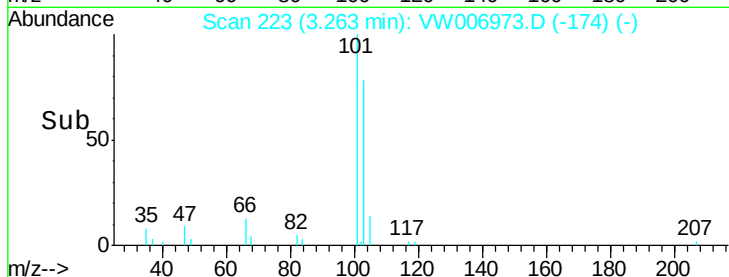
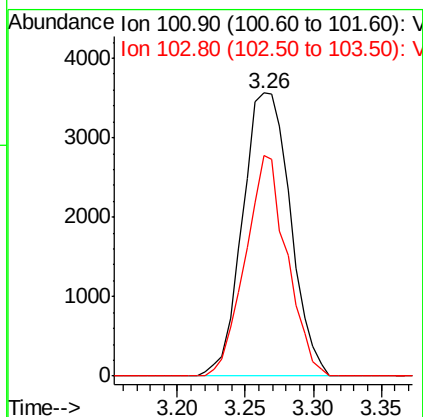
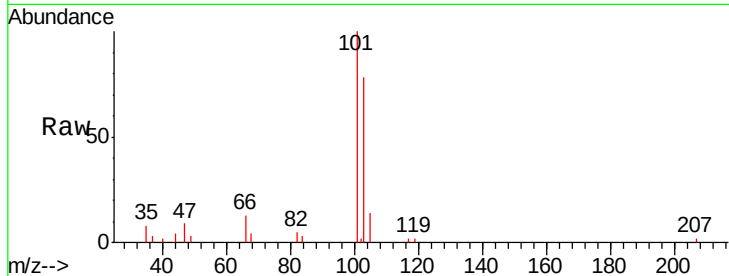
Trichlorofluoromethane
 Concen: 4.60 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

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 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
101	100		
103	78.0	53.4	80.2

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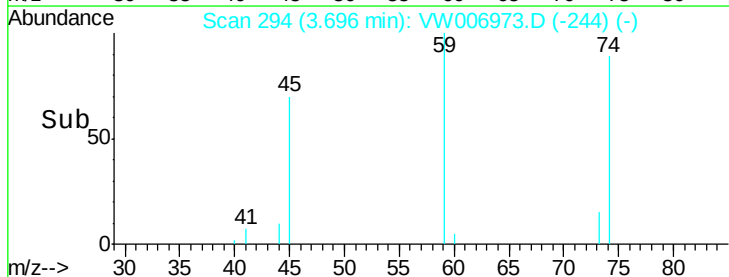
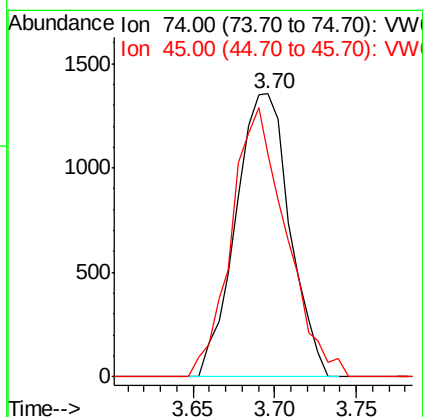
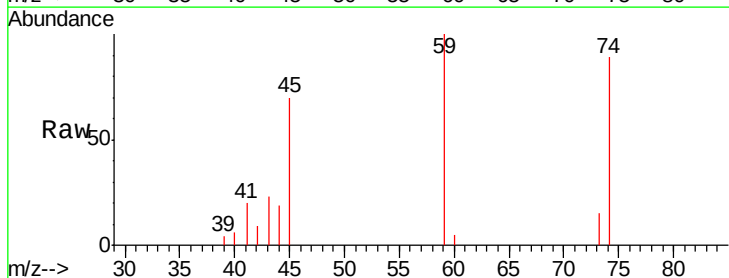
MMDadoda
 11/21/2018 11:32:32 AM

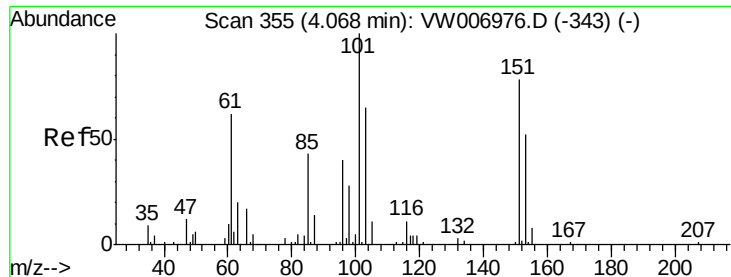


#8

Diethyl Ether
 Concen: 5.09 ug/l
 RT: 3.70 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.27 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

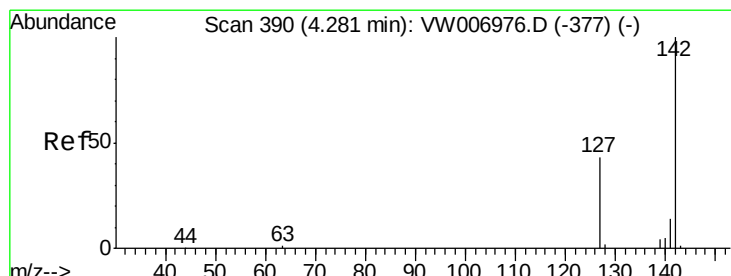
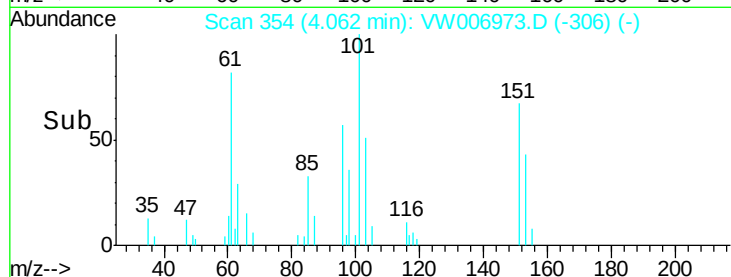
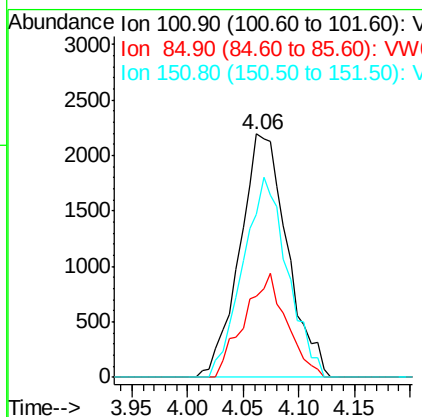
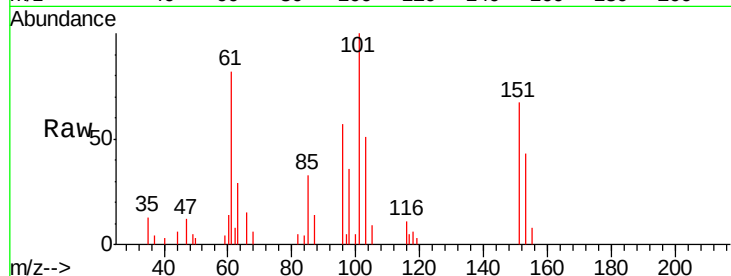
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	6509
Ion Ratio	Lower	Upper	
101	100		
85	38.1	34.3	51.5
151	77.3	63.4	95.2

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#10

Methyl Iodide

Concen: 4.15 ug/l

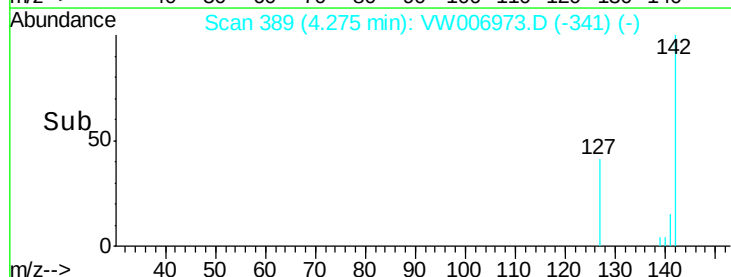
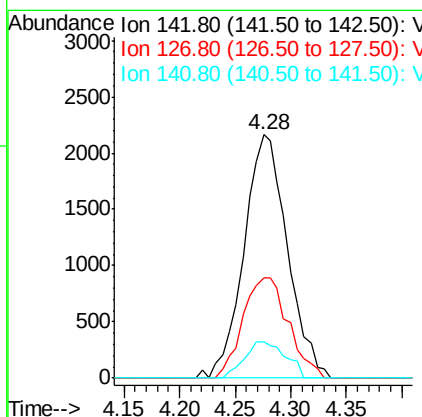
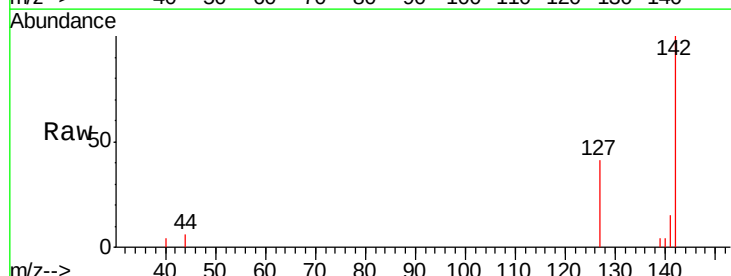
RT: 4.28 min Scan# 389

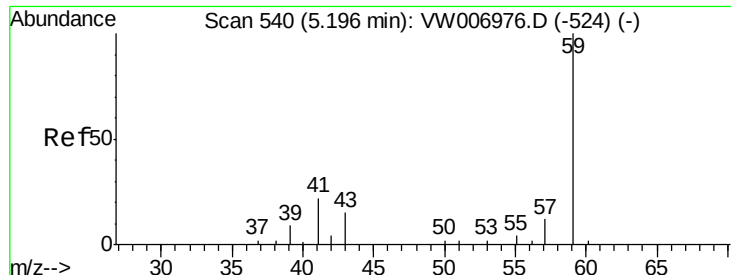
Delta R.T. -0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Tgt Ion:	142	Resp:	5866
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.3	52.9
141	14.2	11.7	17.5





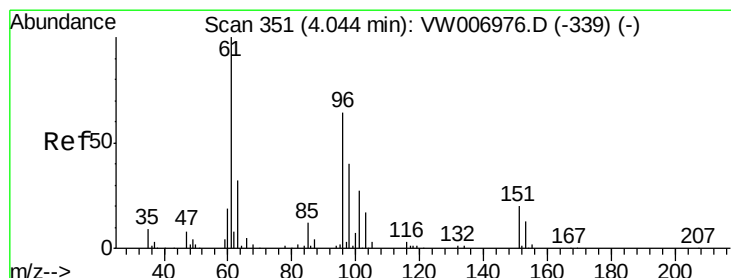
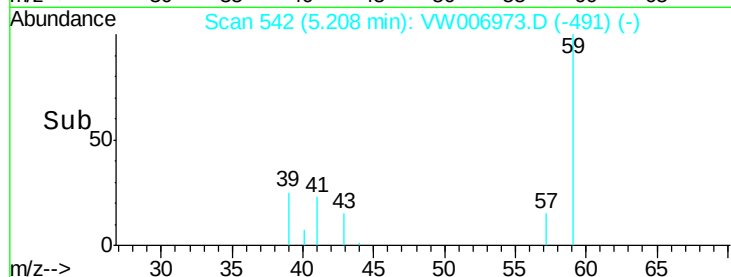
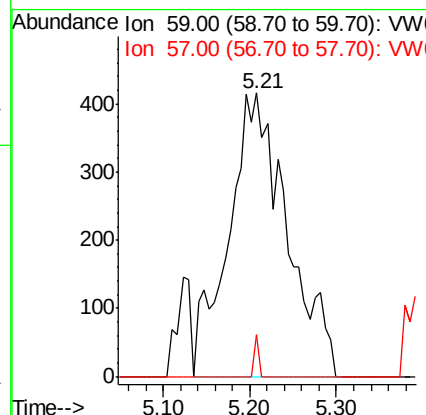
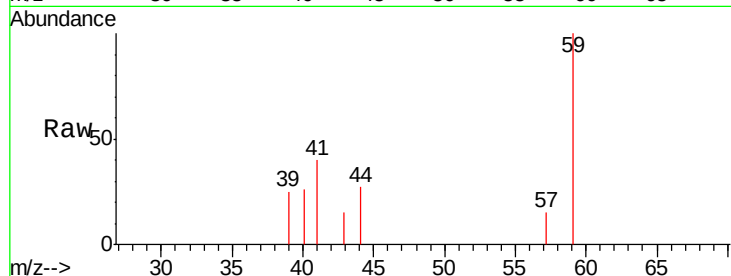
#11
Tert butyl alcohol
Concen: 26.17 ug/l m
RT: 5.21 min Scan# 542
Delta R.T. 0.01 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 1966
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

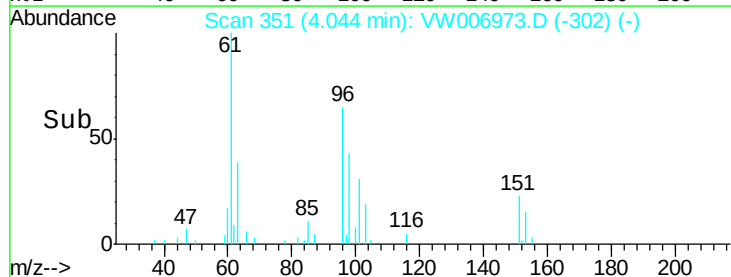
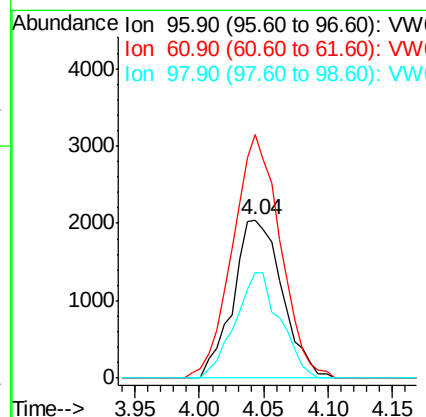
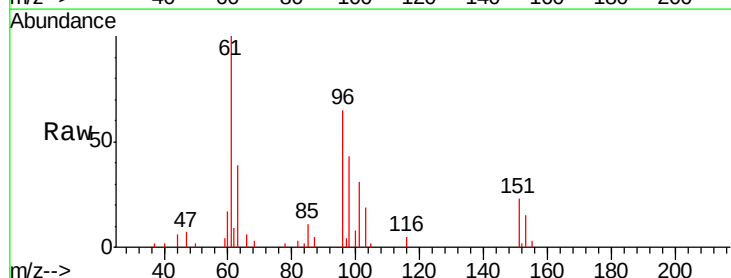
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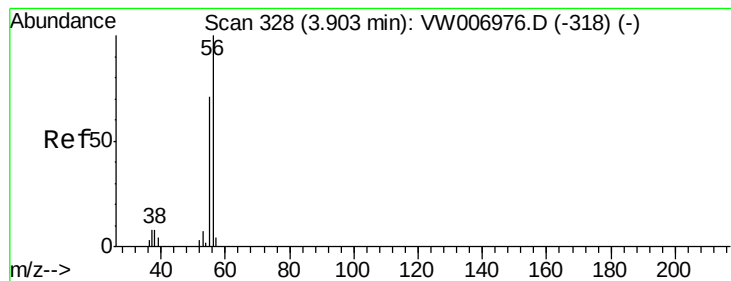
MMDadoda
11/21/2018 11:32:32 AM



#12
1,1-Dichloroethene
Concen: 4.99 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion: 96 Resp: 5400
Ion Ratio Lower Upper
96 100
61 153.6 124.3 186.5
98 66.5 49.4 74.2





#13

Acrolein

Concen: 22.92 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 1794

Ion Ratio Lower Upper

56 100

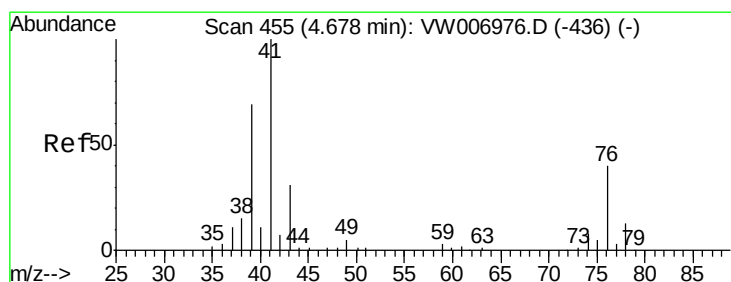
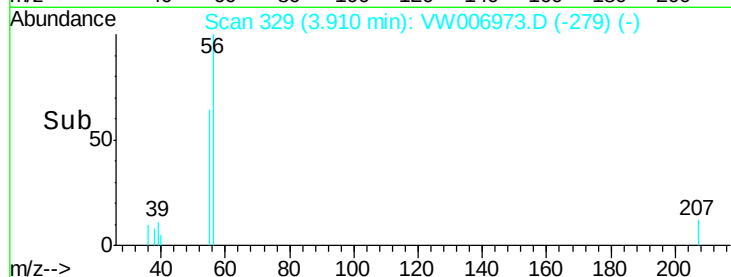
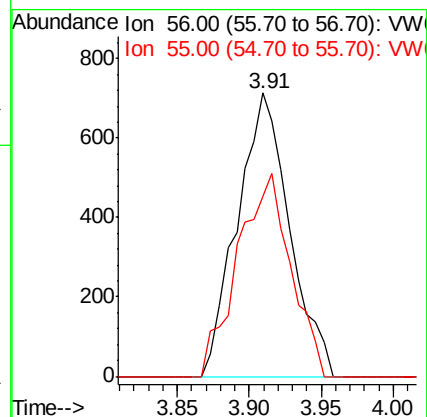
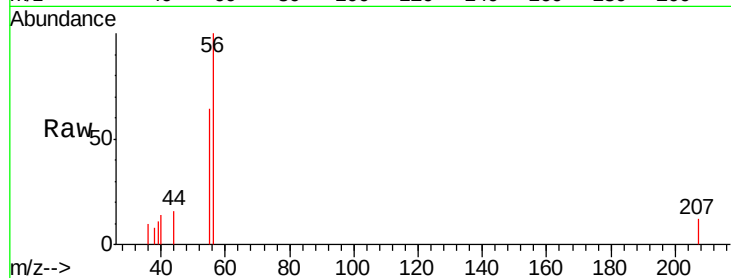
55 72.7 57.5 86.3

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#14

Allyl chloride

Concen: 4.86 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

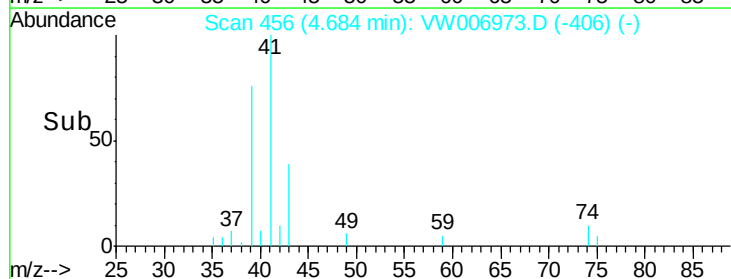
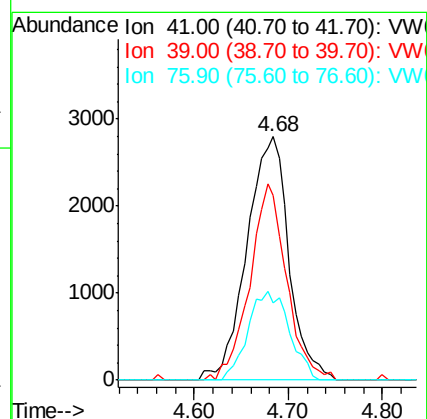
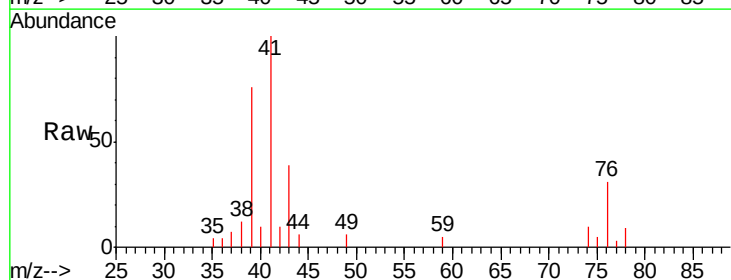
Tgt Ion: 41 Resp: 8718

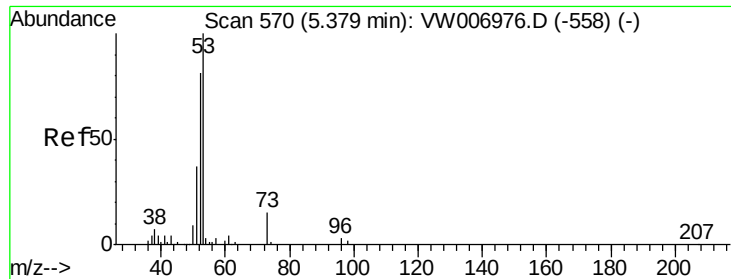
Ion Ratio Lower Upper

41 100

39 70.4 55.4 83.2

76 35.7 29.6 44.4





#15

Acrylonitrile

Concen: 23.38 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

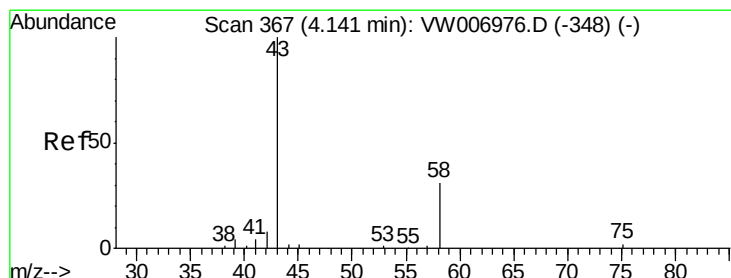
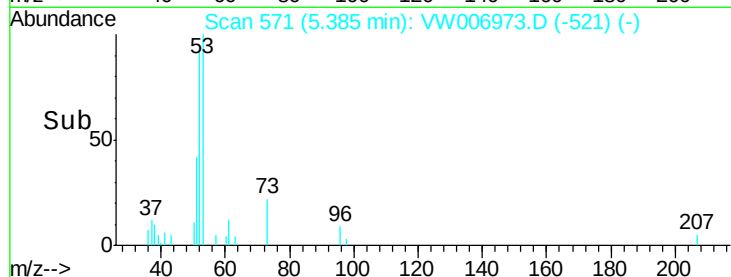
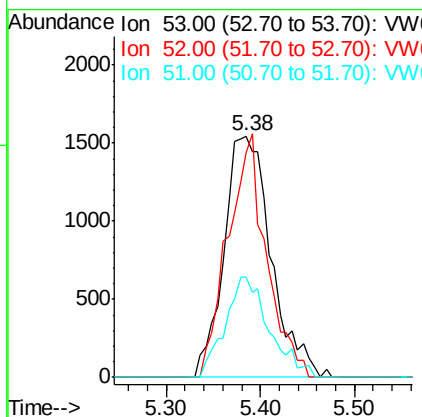
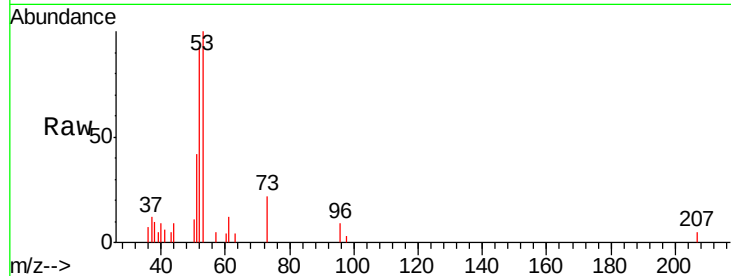
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	5389
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.7	98.5
51	38.9	29.9	44.9

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#16

Acetone

Concen: 26.09 ug/l

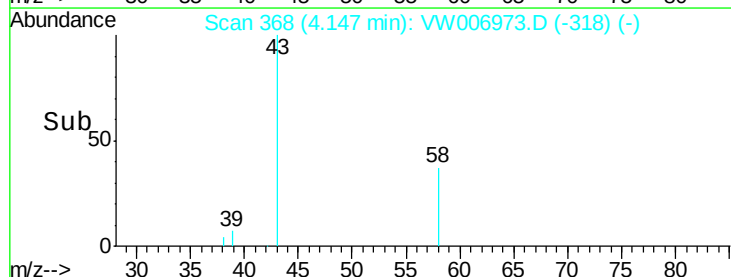
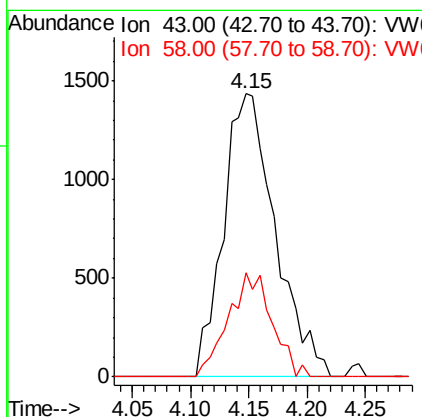
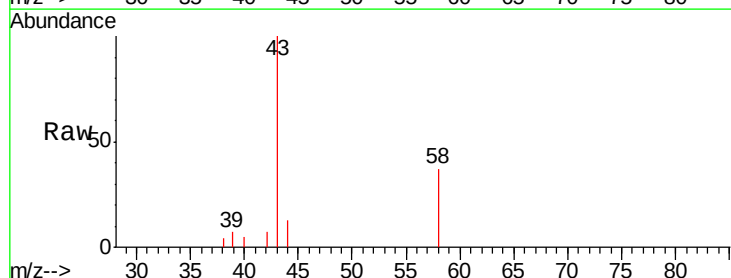
RT: 4.15 min Scan# 368

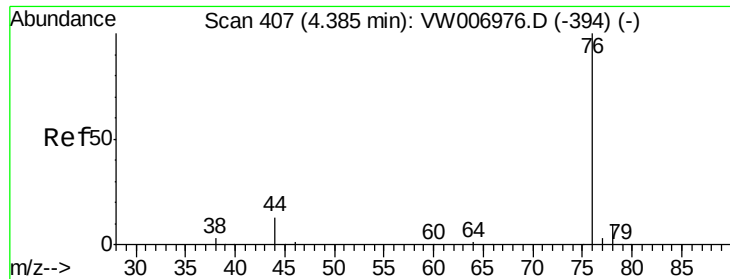
Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Tgt Ion:	43	Resp:	4435
Ion	Ratio	Lower	Upper
43	100		
58	36.7	24.8	37.2





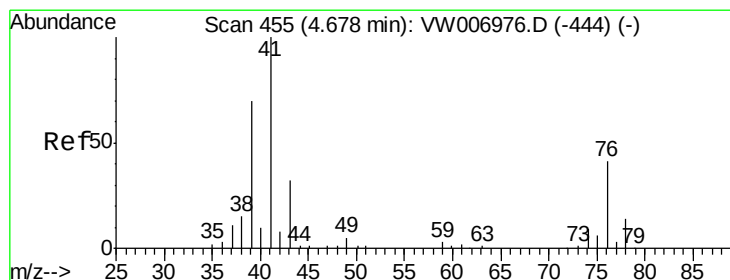
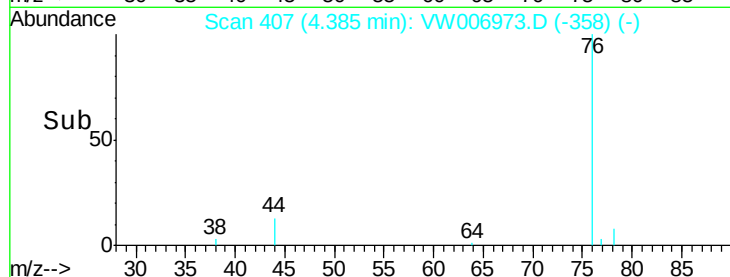
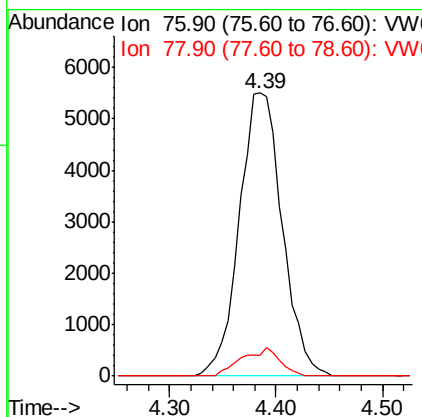
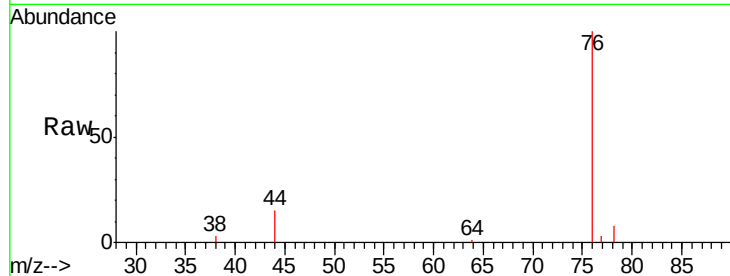
#17
Carbon Disulfide
Concen: 4.44 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 15544
Ion Ratio Lower Upper
76 100
78 7.6 7.8 11.6#

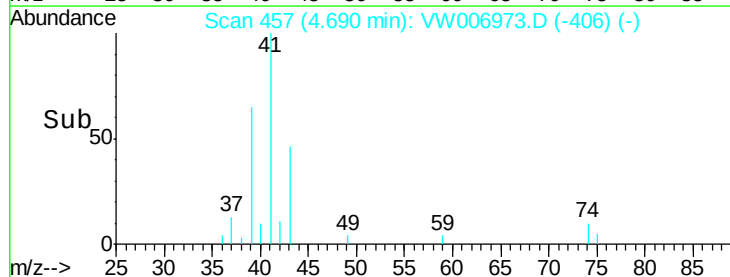
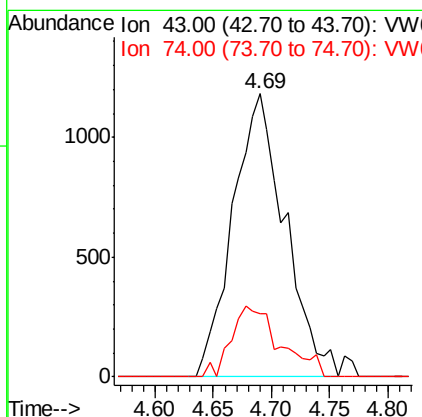
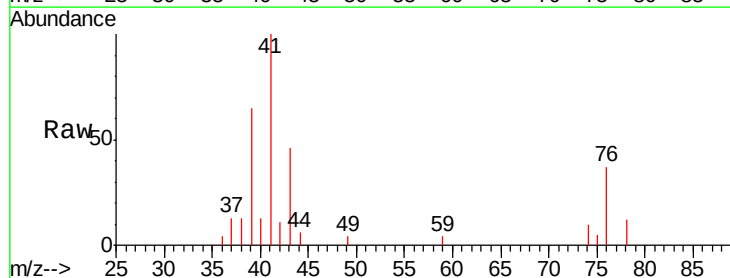
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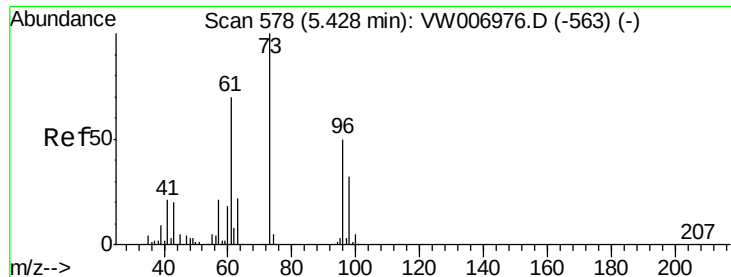
MMDadoda
11/21/2018 11:32:32 AM



#18
Methyl Acetate
Concen: 6.06 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion: 43 Resp: 3670
Ion Ratio Lower Upper
43 100
74 23.7 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 4.70 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 13290

Ion Ratio Lower Upper

73 100

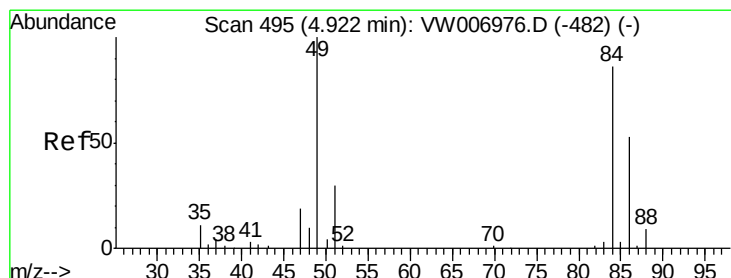
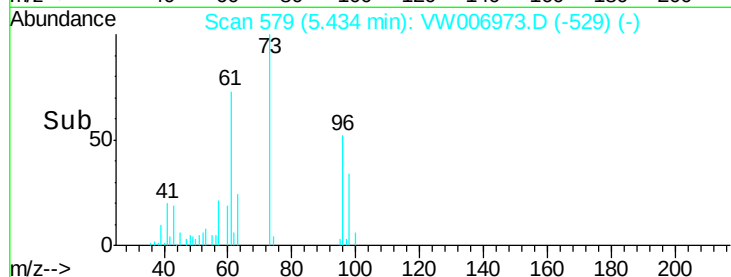
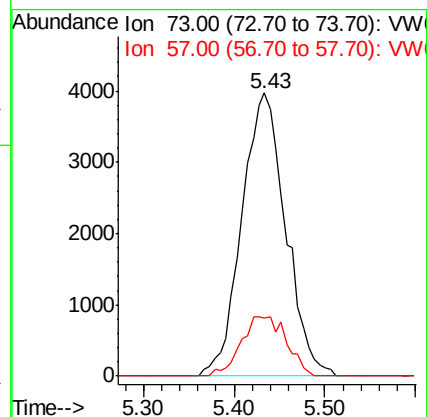
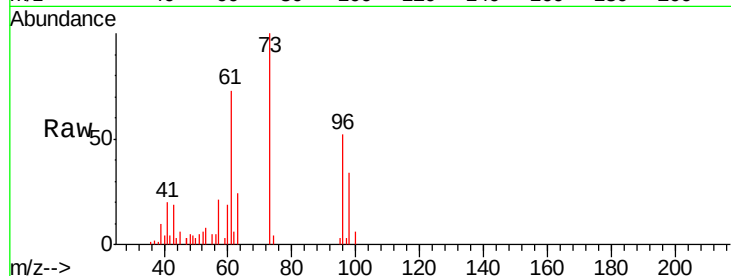
57 20.6 16.7 25.1

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#20

Methylene Chloride

Concen: 8.05 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Tgt Ion: 84 Resp: 13523

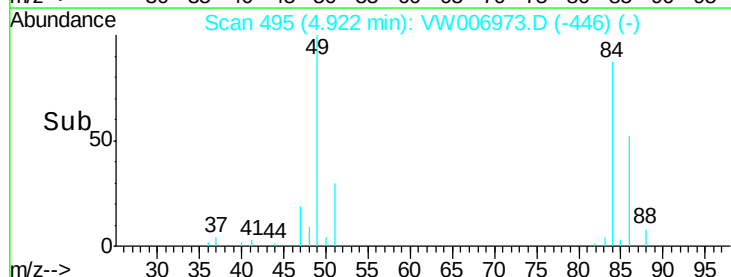
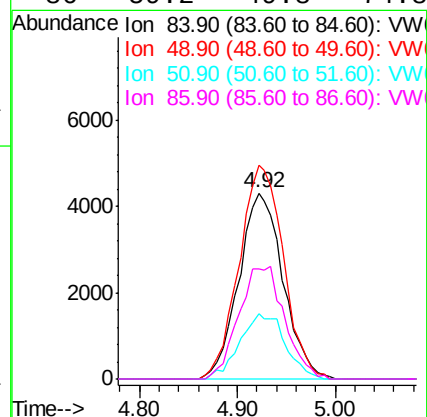
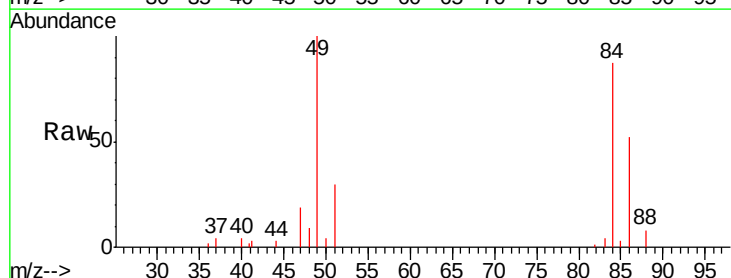
Ion Ratio Lower Upper

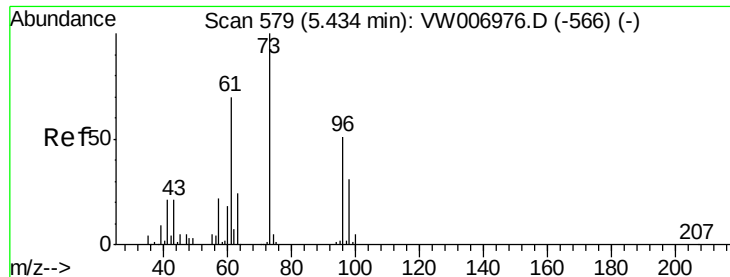
84 100

49 115.0 93.4 140.0

51 34.9 28.4 42.6

86 59.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 5.04 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

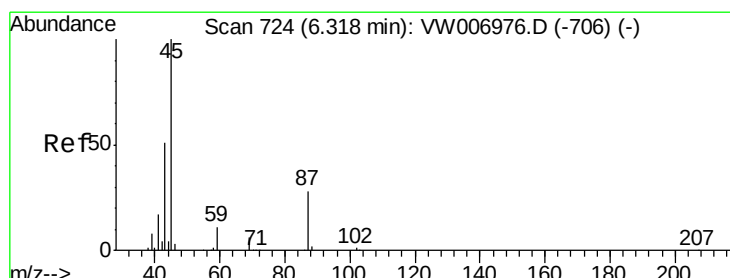
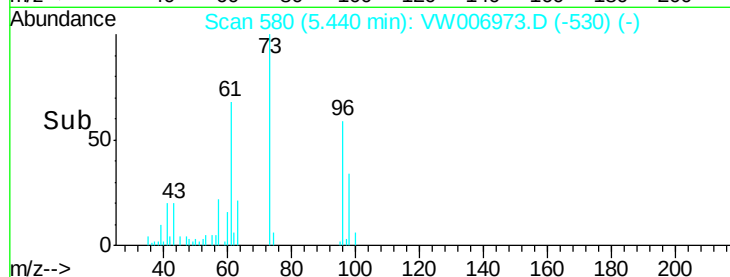
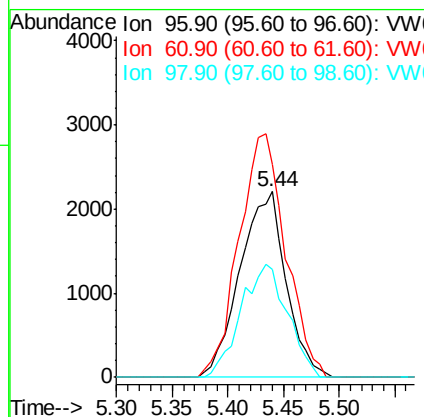
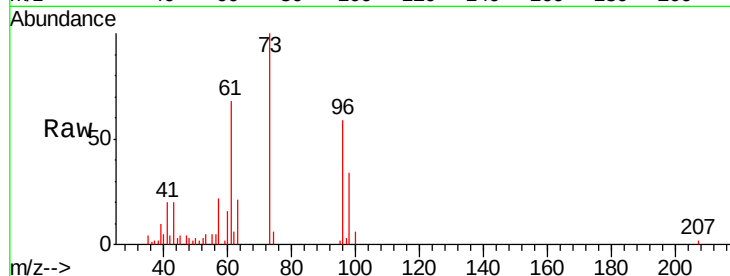
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	6353
Ion	Ratio	Lower	Upper
96	100		
61	114.6	109.4	164.0
98	58.2	48.3	72.5

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#22

Diisopropyl ether

Concen: 4.76 ug/l

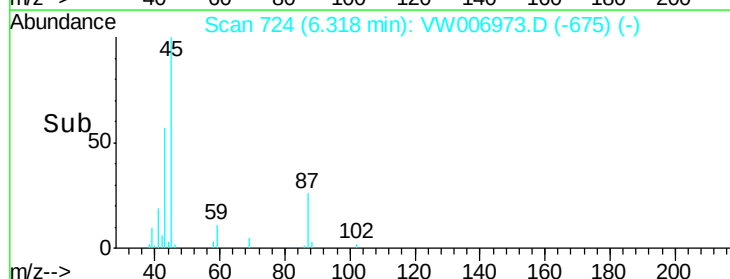
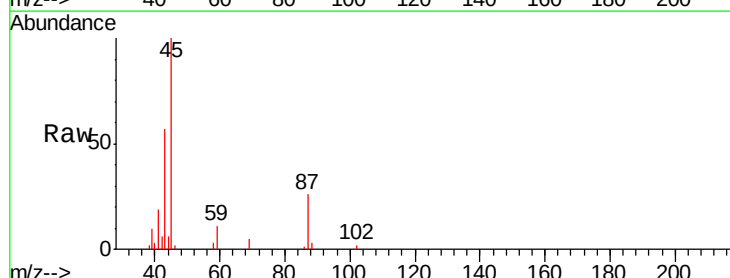
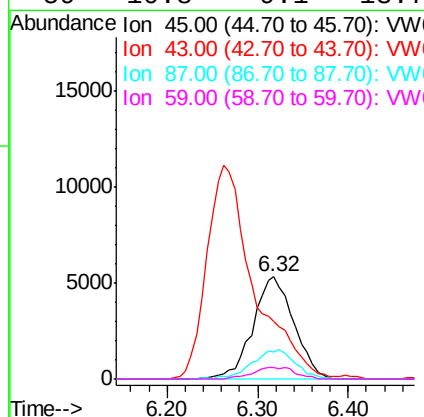
RT: 6.32 min Scan# 724

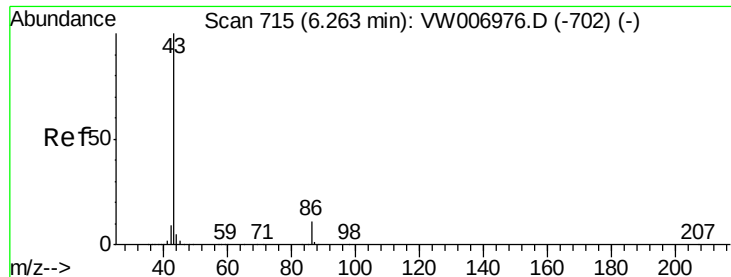
Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Tgt Ion:	45	Resp:	16629
Ion	Ratio	Lower	Upper
45	100		
43	54.7	42.5	63.7
87	26.1	22.8	34.2
59	10.8	9.1	13.7





#23

Vinyl Acetate

Concen: 21.85 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 40533

Ion Ratio Lower Upper

43 100

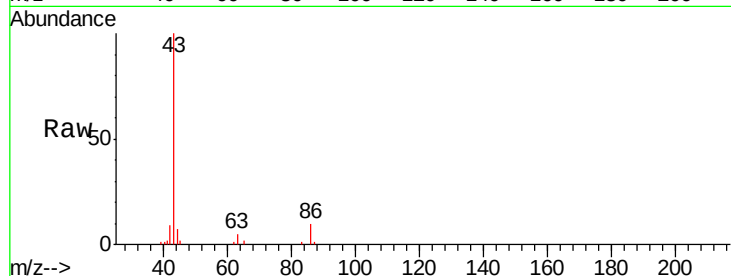
86 10.5 8.7 13.1

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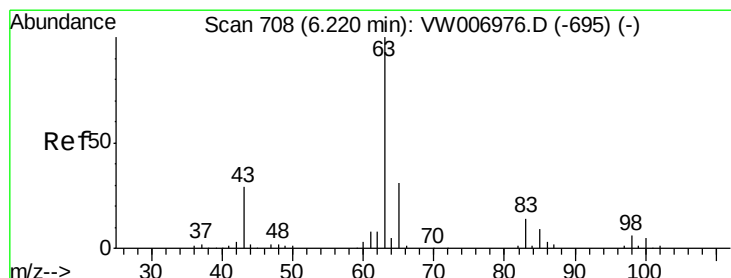
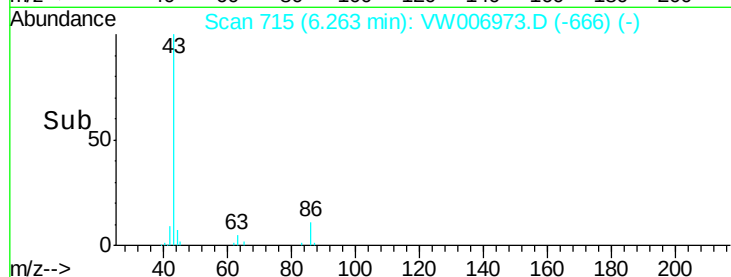
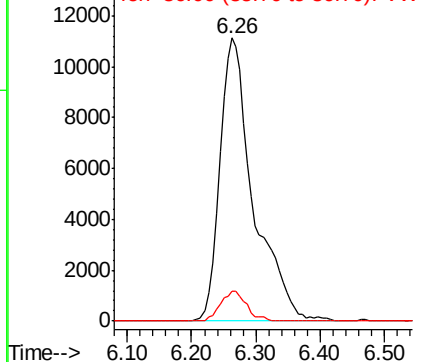
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 4.96 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

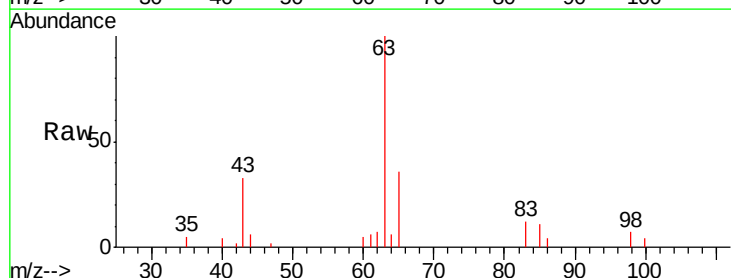
Tgt Ion: 63 Resp: 10533

Ion Ratio Lower Upper

63 100

98 7.0 3.1 9.4

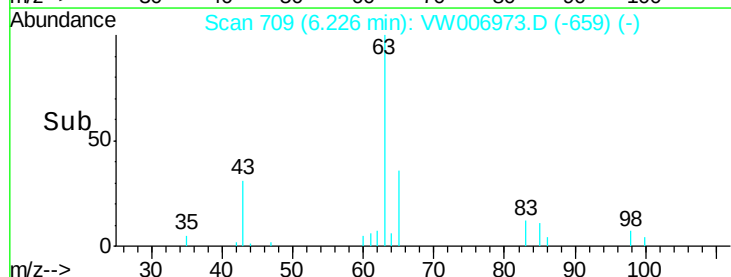
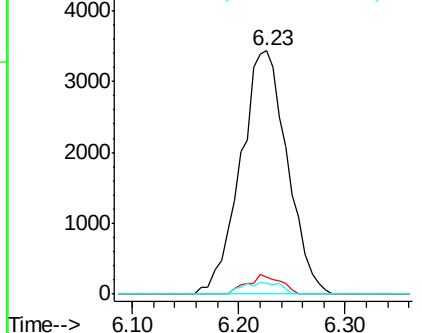
100 4.3 2.3 6.9

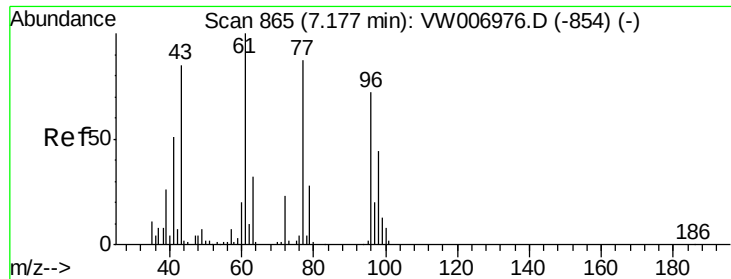


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 25.65 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tgt Ion: 43 Resp: 7467

Ion Ratio Lower Upper

43 100

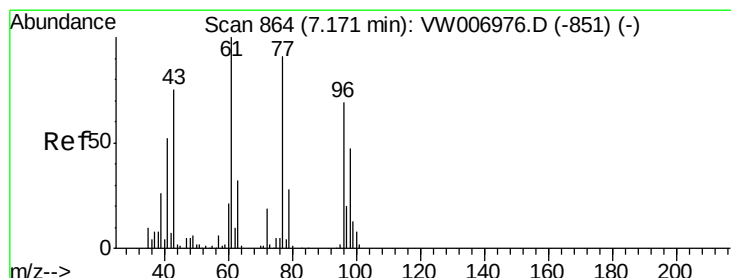
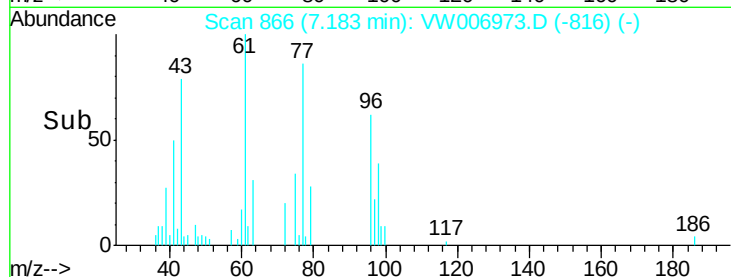
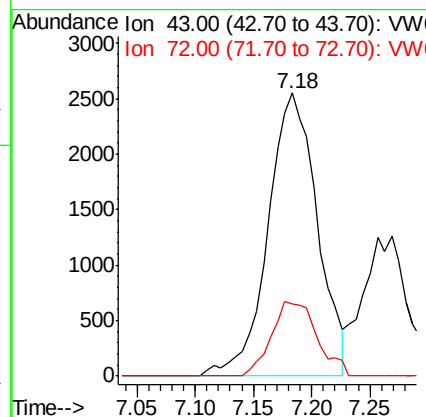
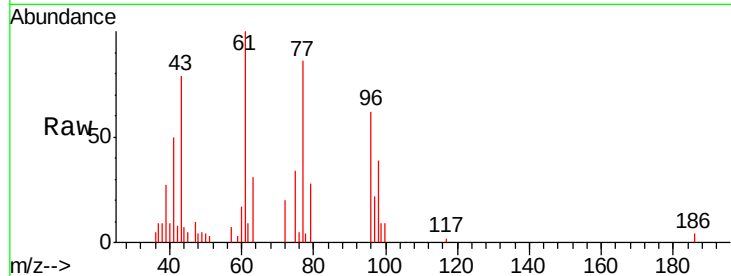
72 25.3 21.3 31.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.31 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW006973.D

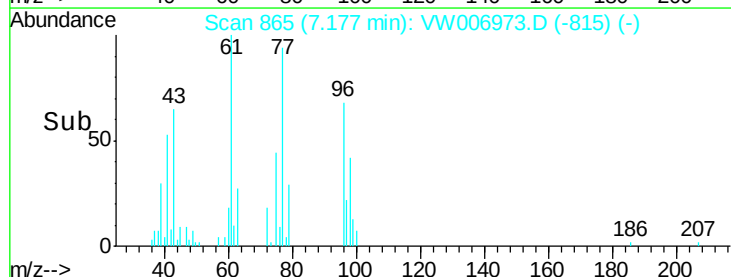
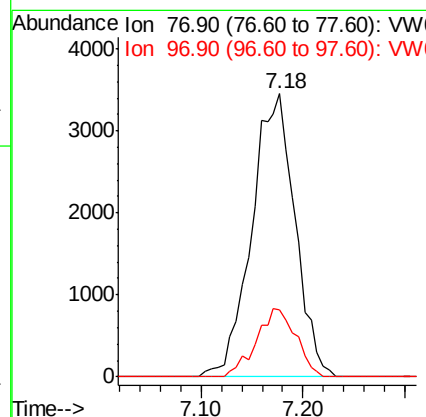
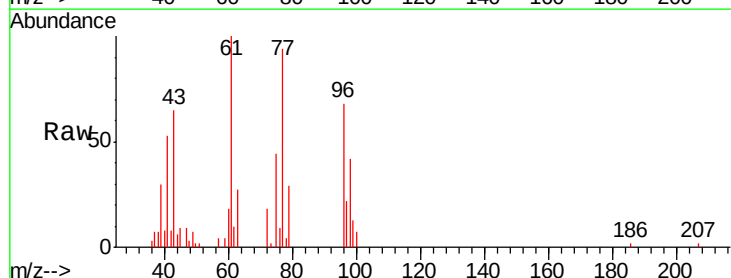
Acq: 20 Nov 2018 13:48

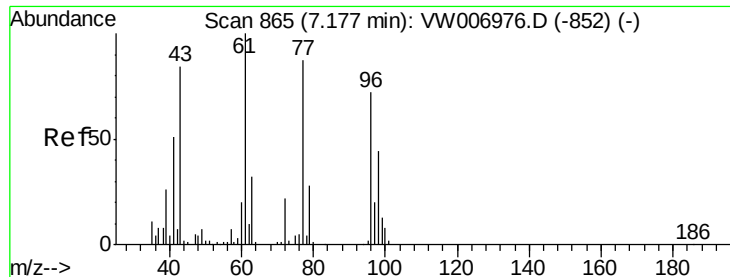
Tgt Ion: 77 Resp: 10145

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 4.80 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

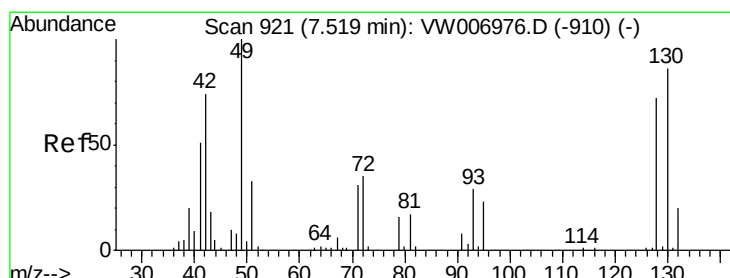
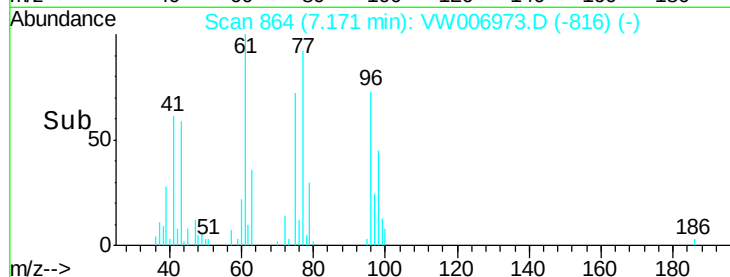
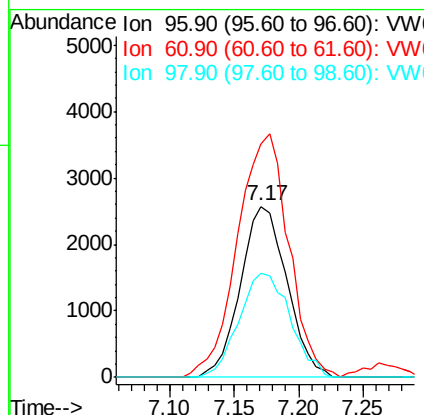
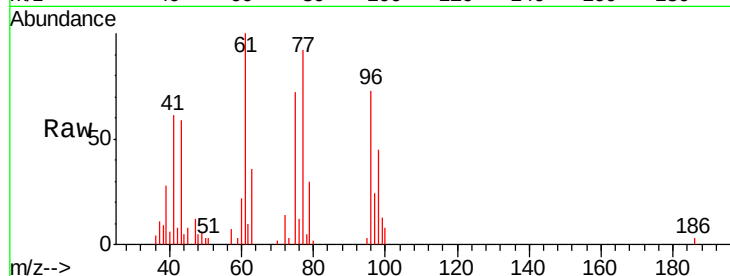
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	6450
Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	292.6
98	67.0	0.0	129.8

Manual Integrations
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11/21/2018 11:32:32 AM



#28

Bromochloromethane

Concen: 5.29 ug/l

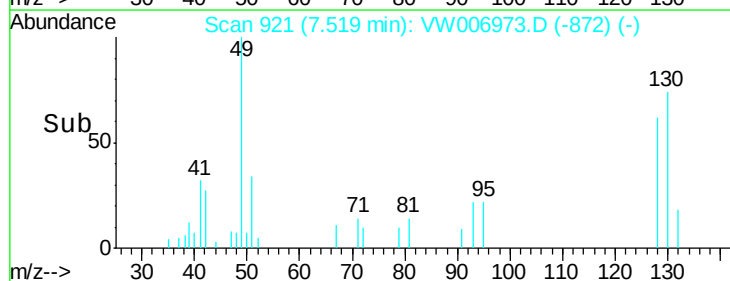
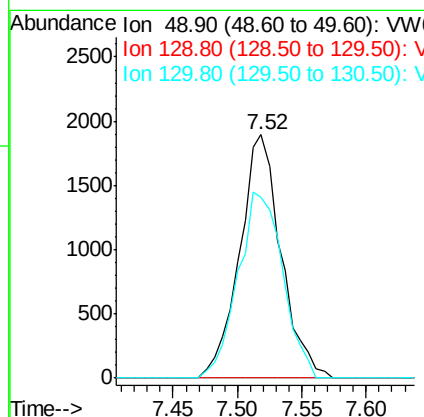
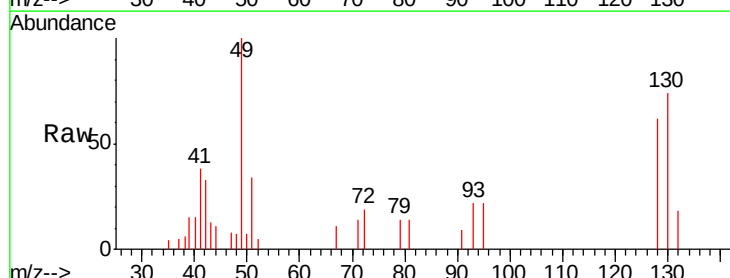
RT: 7.52 min Scan# 921

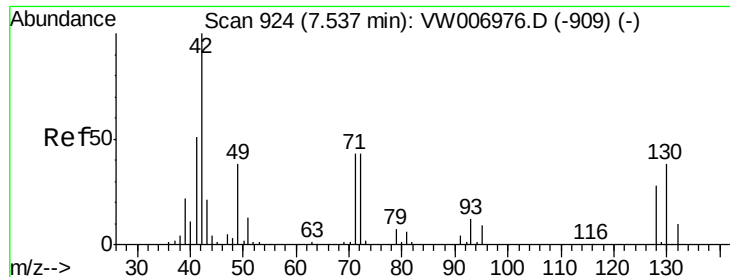
Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Tgt Ion:	49	Resp:	4199
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.0
130	83.1	69.0	103.4





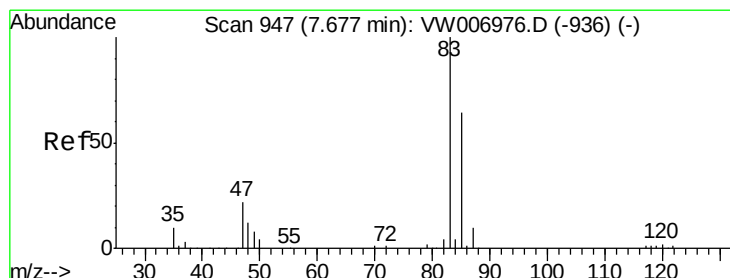
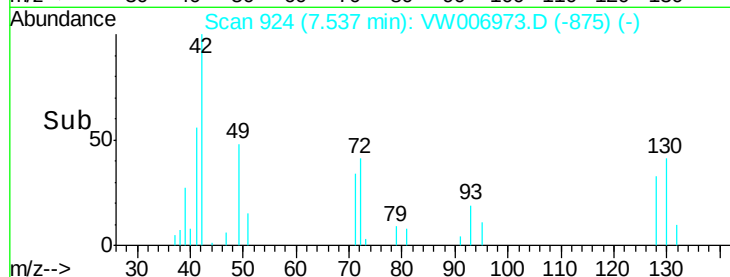
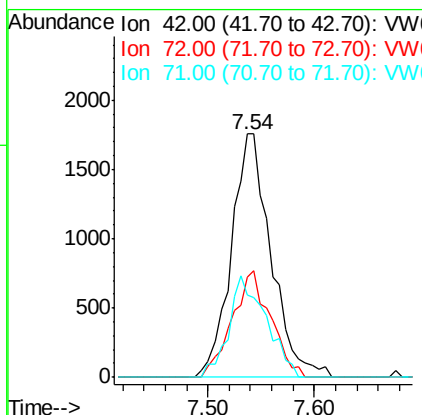
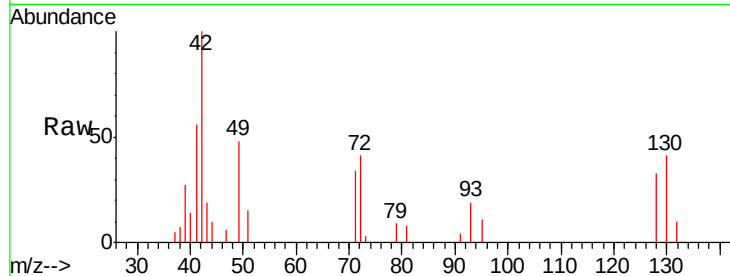
#29
Tetrahydrofuran
Concen: 24.37 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.4	36.2	54.4
71	39.1	33.8	50.8

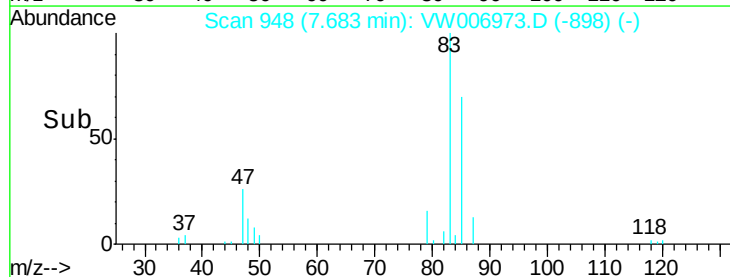
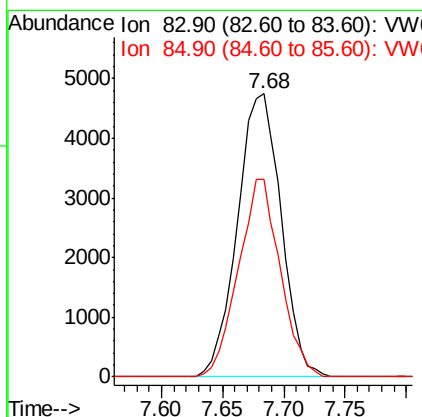
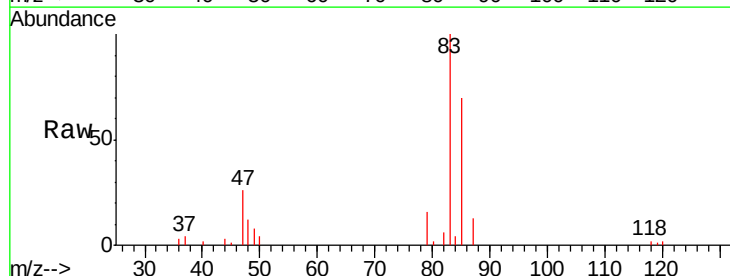
Manual Integrations
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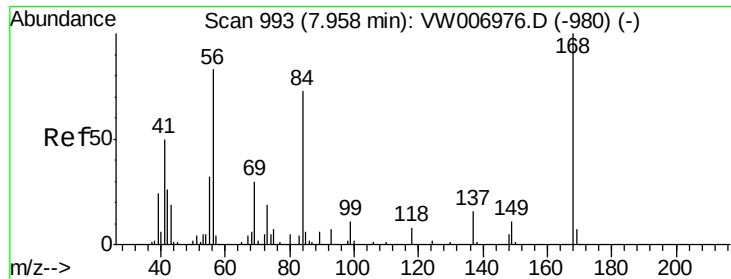
MMDadoda
11/21/2018 11:32:32 AM



#30
Chloroform
Concen: 5.22 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.7	50.9	76.3





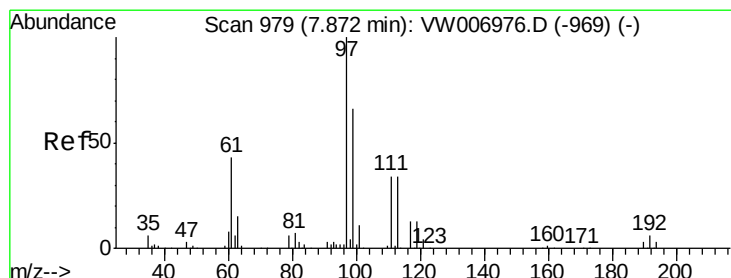
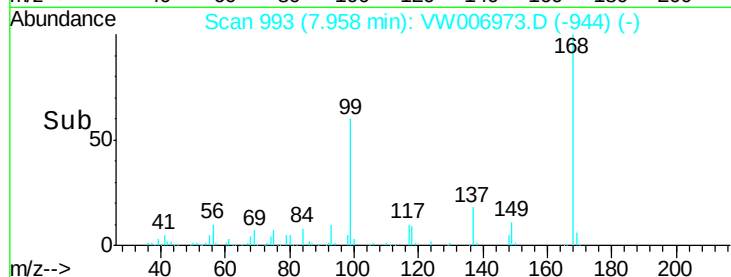
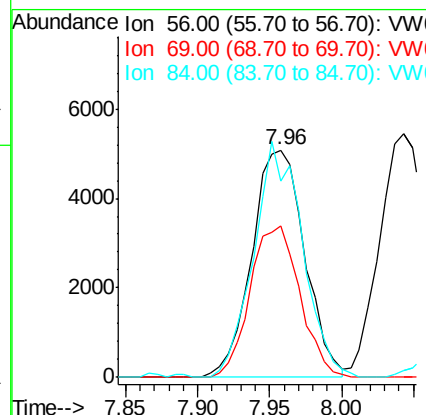
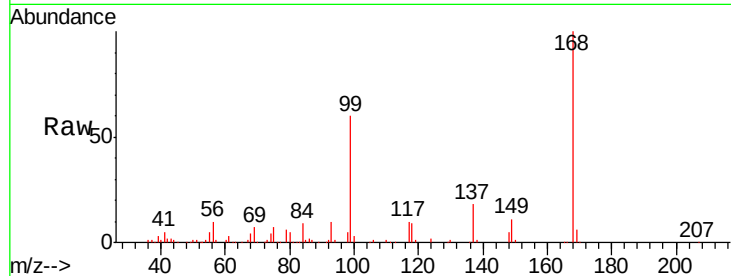
#31
Cyclohexane
Concen: 5.73 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	66.9	29.1	43.7#
84	86.4	70.6	105.8

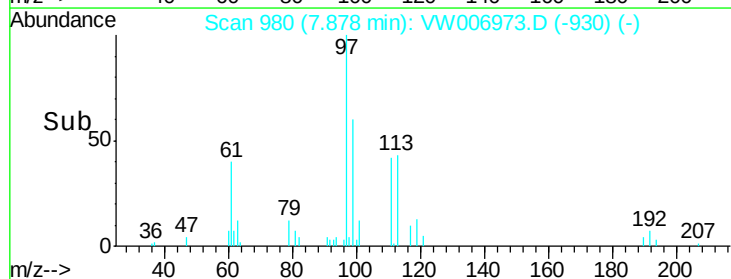
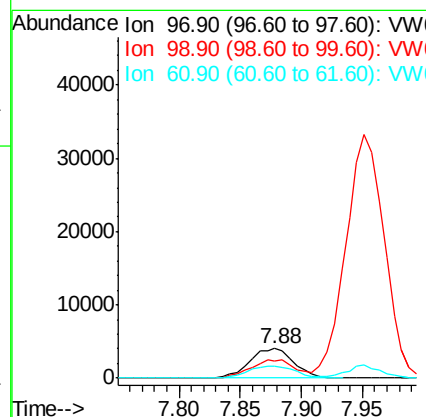
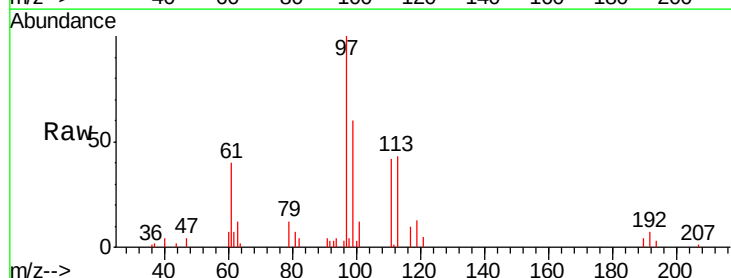
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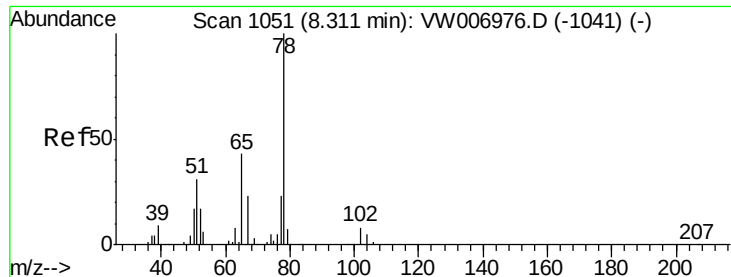
MMDadoda
11/21/2018 11:32:32 AM



#32
1,1,1-Trichloroethane
Concen: 4.93 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.9	77.9
61	43.0	33.4	50.2





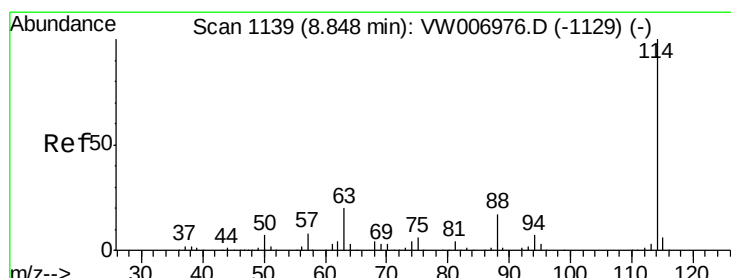
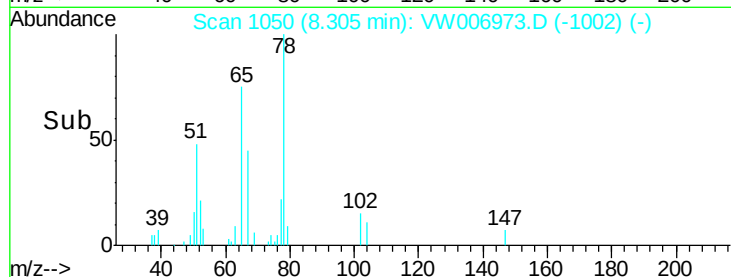
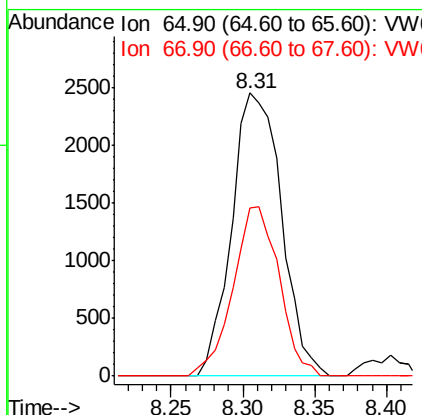
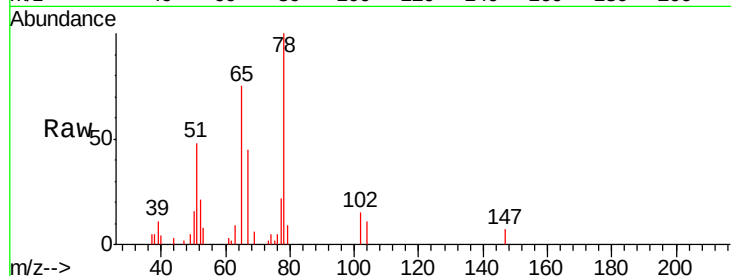
#33
 1,2-Dichloroethane-d4
 Concen: 5.02 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 5879
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 106.2

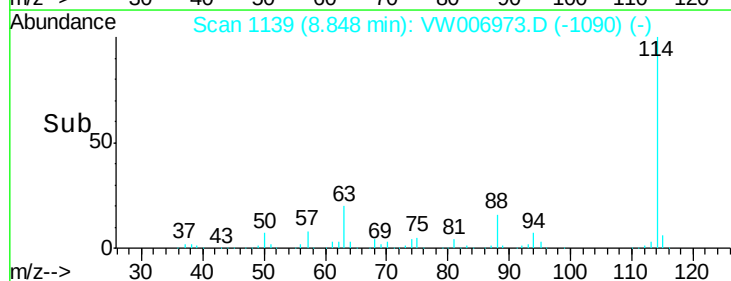
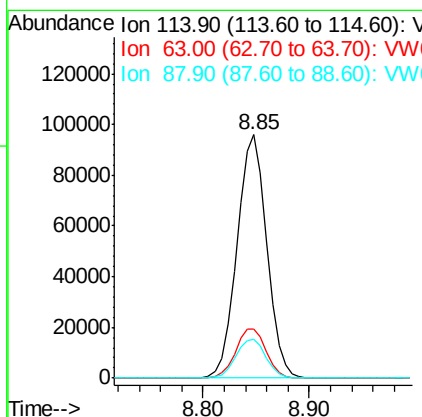
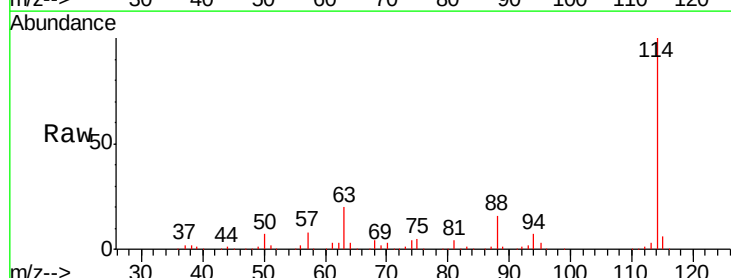
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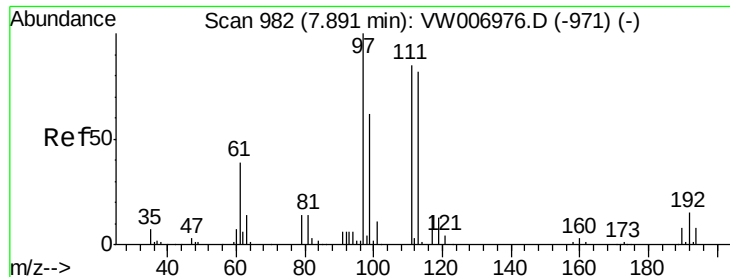
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 11/21/2018 11:32:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Tgt Ion: 114 Resp: 187661
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.4
 88 16.1 0.0 34.2





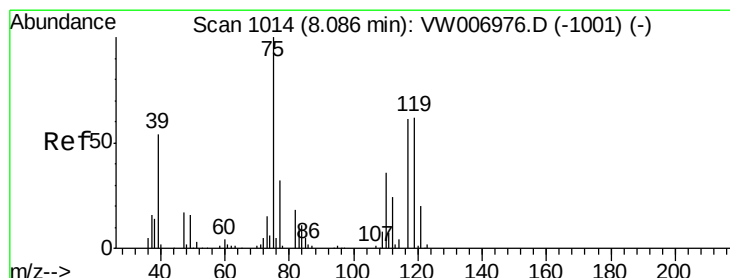
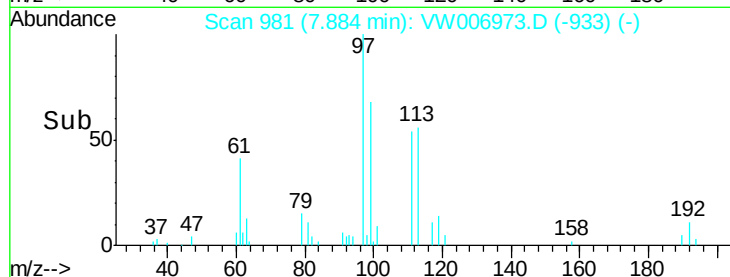
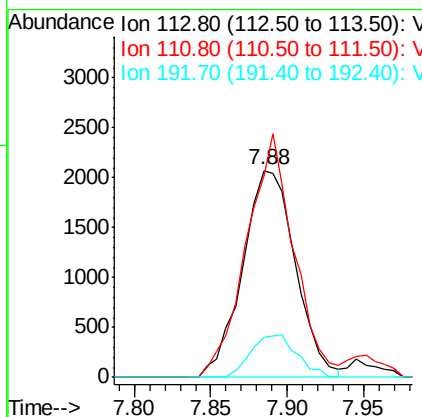
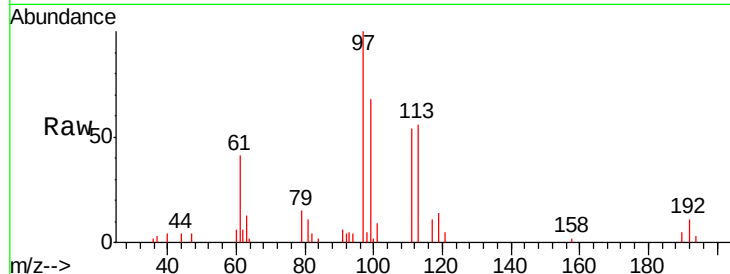
#35
Dibromofluoromethane
Concen: 4.70 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	4982		
111	105.7		81.0	121.6
192	17.8		15.0	22.6

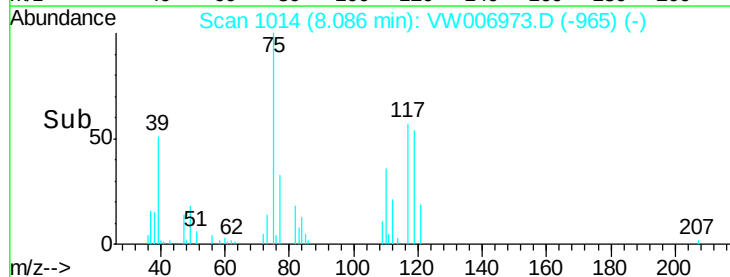
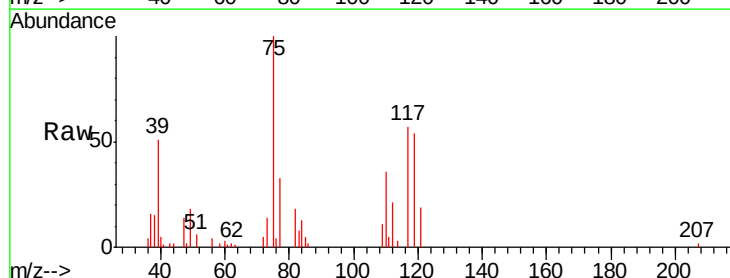
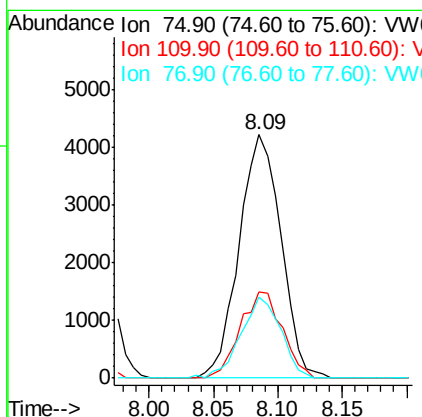
Manual Integrations
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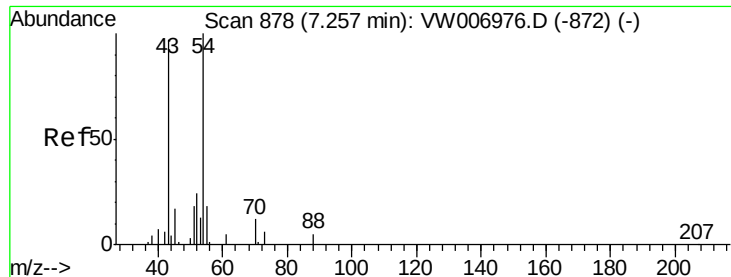
MMDadoda
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#36
1,1-Dichloropropene
Concen: 5.19 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9514		
110	35.4		18.0	54.0
77	31.8		24.9	37.3





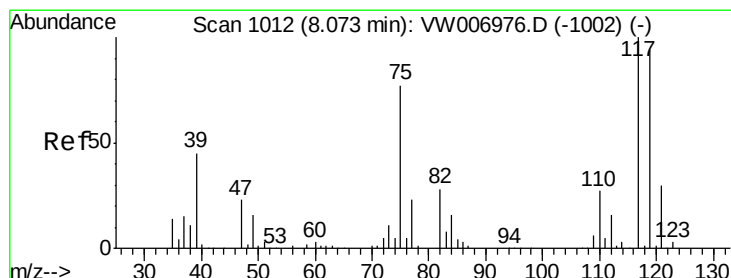
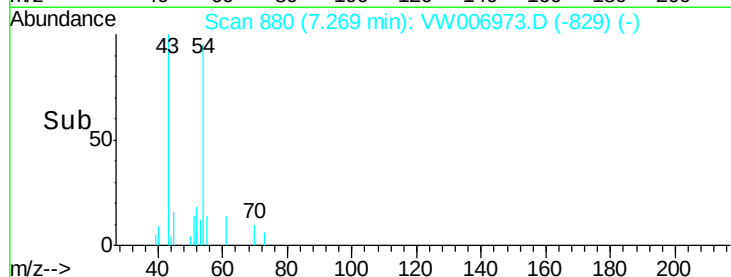
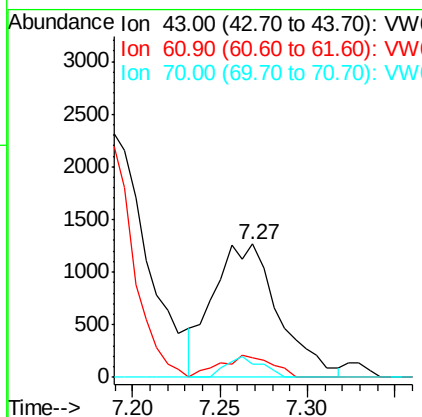
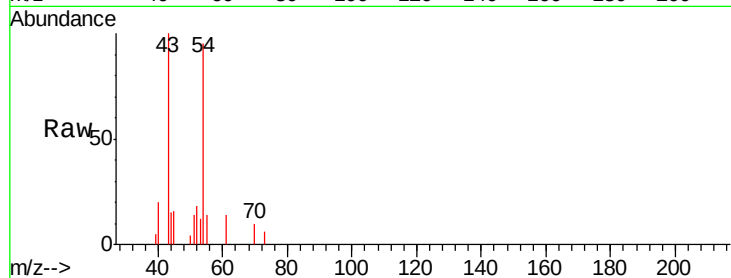
#37
Ethyl Acetate
Concen: 4.94 ug/l
RT: 7.27 min Scan# 880
Delta R.T. 0.01 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	8.3	8.8	13.2

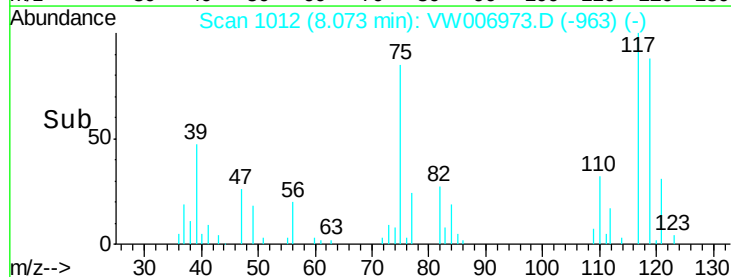
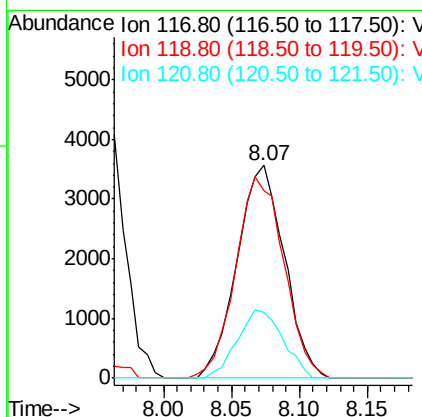
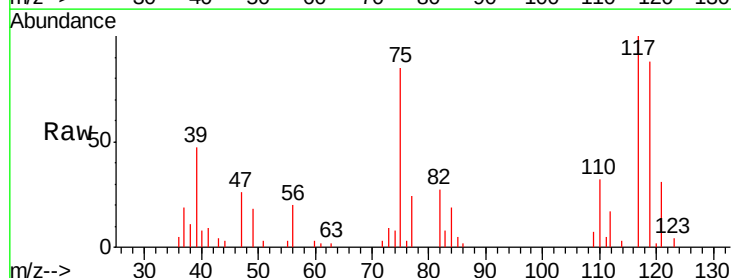
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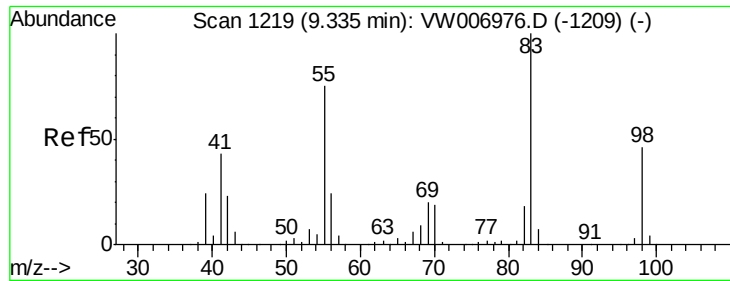
MMDadoda
11/21/2018 11:32:32 AM



#38
Carbon Tetrachloride
Concen: 4.94 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.3	74.9	112.3
121	30.7	23.6	35.4





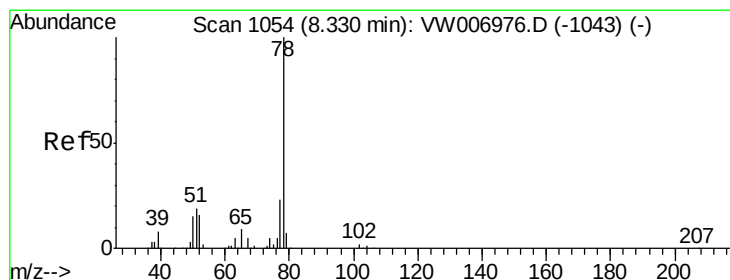
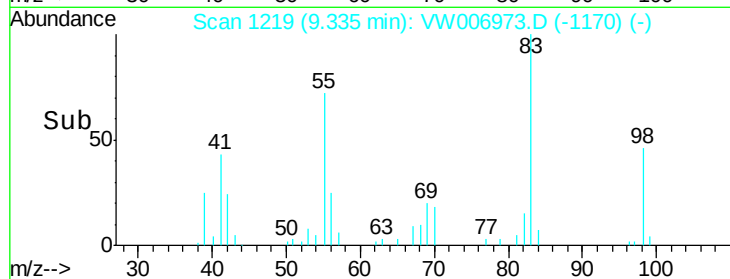
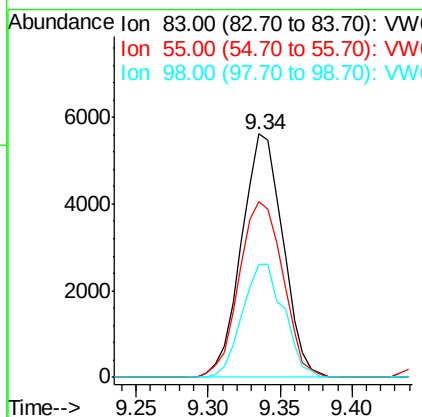
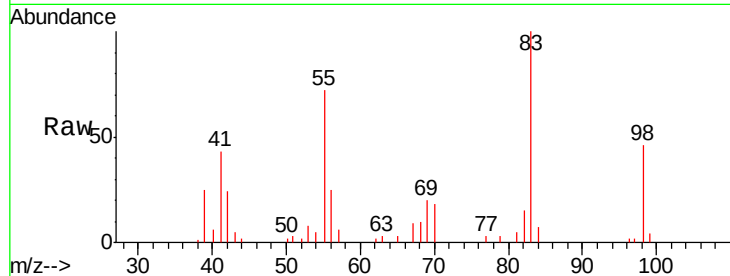
#39
Methylcyclohexane
Concen: 4.87 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.3	59.6	89.4
98	46.2	37.1	55.7

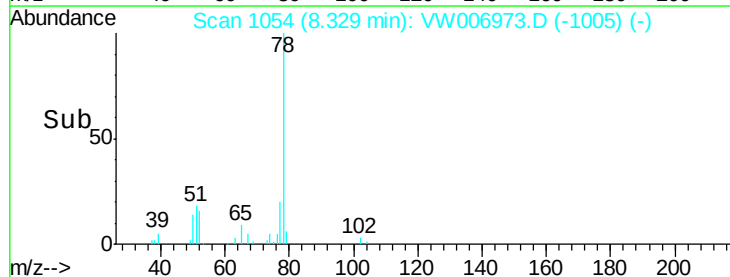
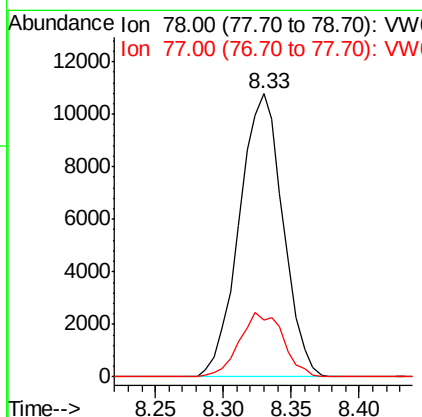
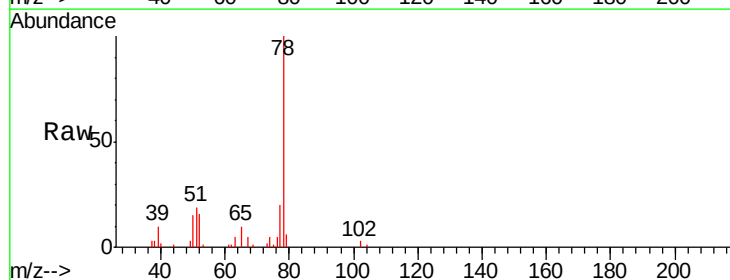
Manual Integrations
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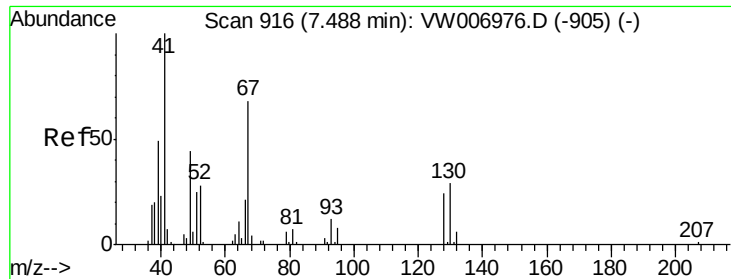
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11/21/2018 11:32:32 AM



#40
Benzene
Concen: 4.89 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.6	28.0





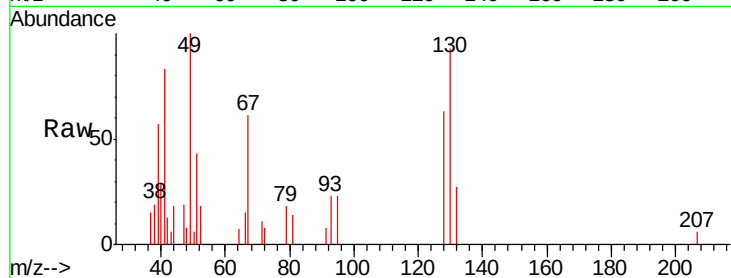
#41
Methacrylonitrile
Concen: 4.76 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

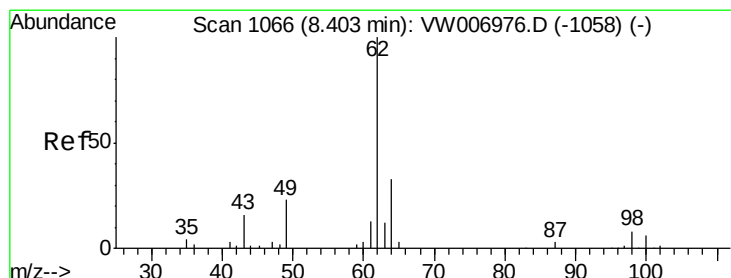
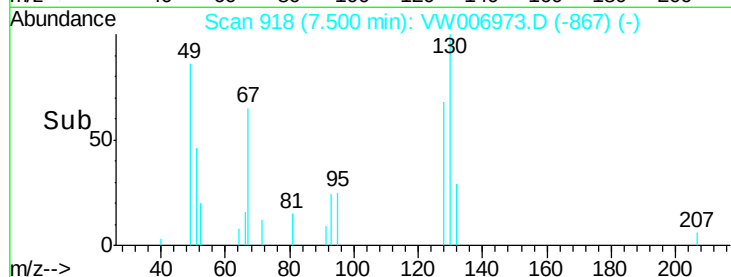
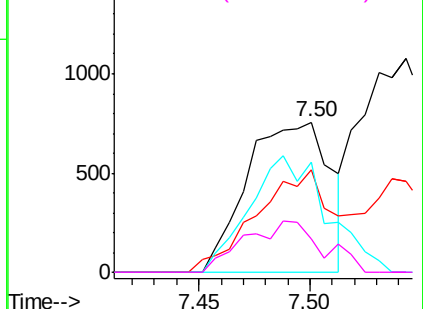
Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.3	48.6	73.0
67	72.7	59.8	89.8
52	31.8	24.8	37.2

Manual Integrations
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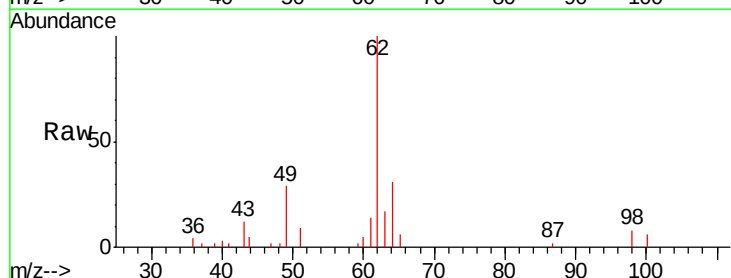


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

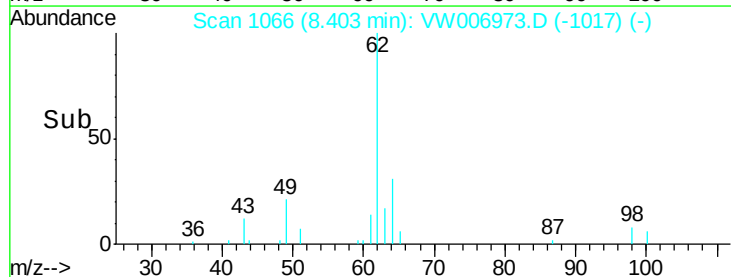
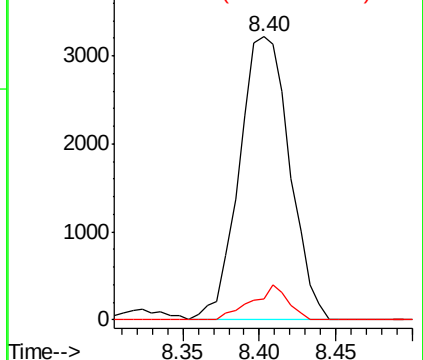


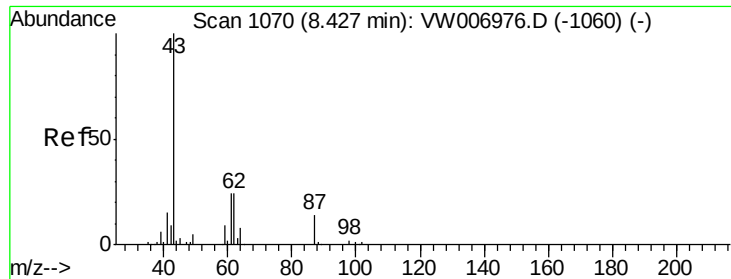
#42
1,2-Dichloroethane
Concen: 5.12 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.62 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

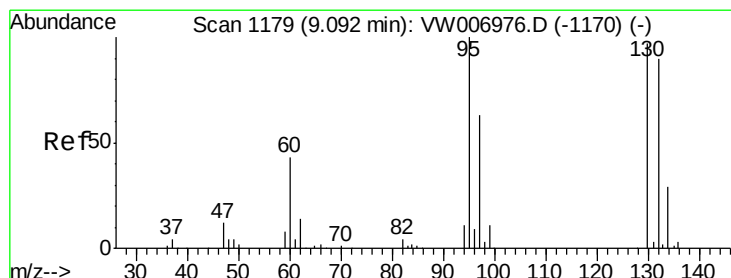
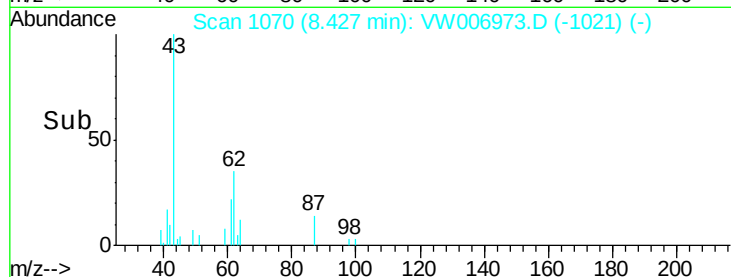
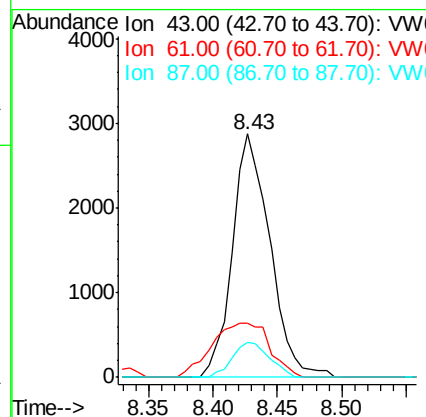
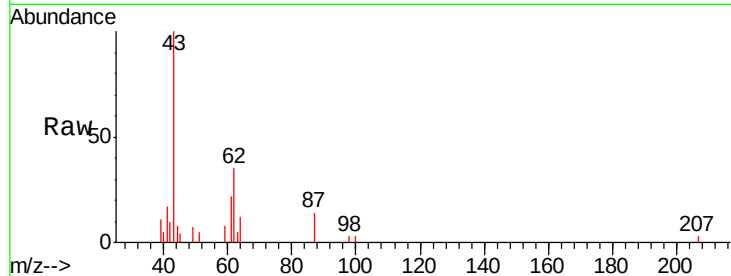
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	5848
Ion	Ratio	Lower	Upper
43	100		
61	34.2	26.1	39.1
87	14.2	11.2	16.8

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#44

Trichloroethene

Concen: 5.04 ug/l

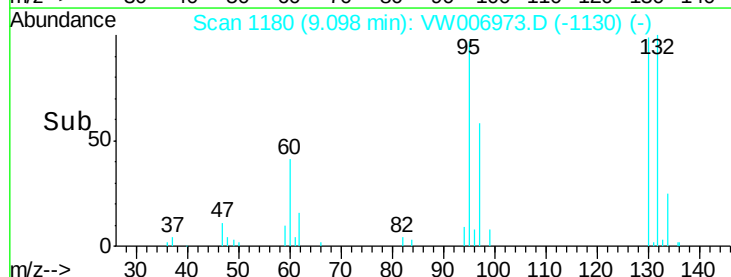
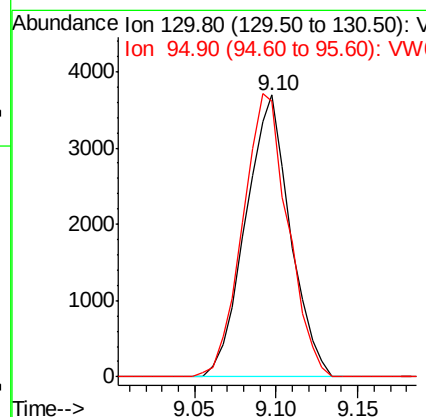
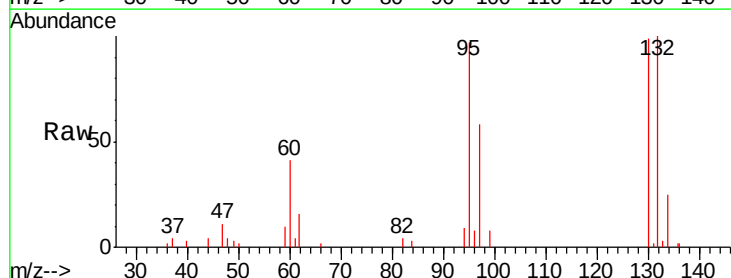
RT: 9.10 min Scan# 1180

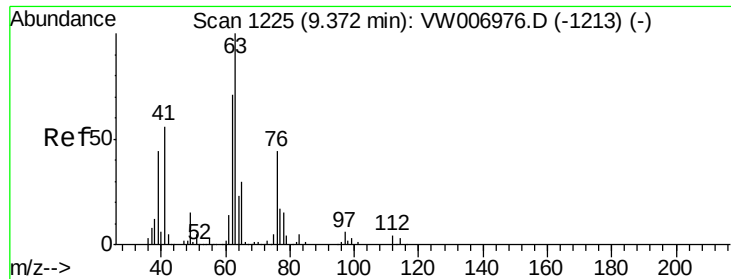
Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Tgt Ion:	130	Resp:	6998
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	206.4





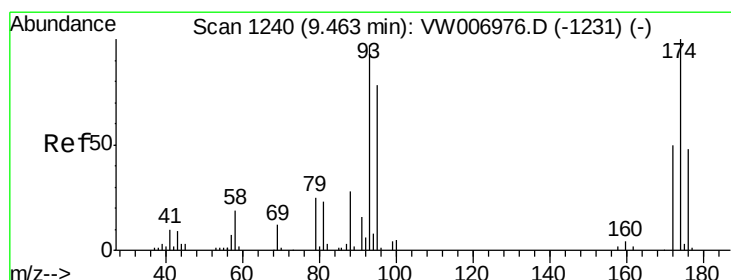
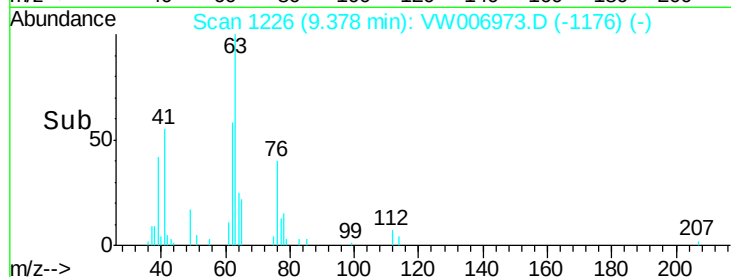
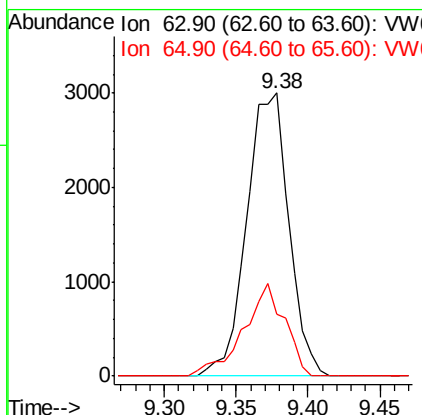
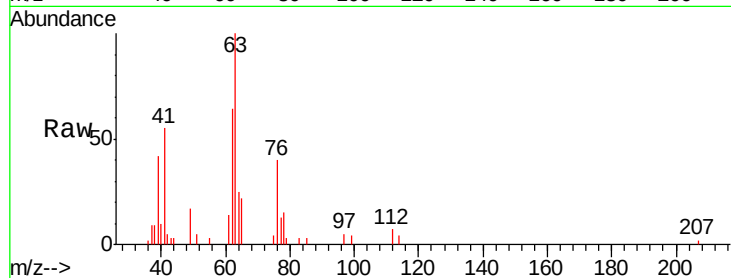
#45
 1,2-Dichloropropane
 Concen: 4.98 ug/l
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 6079
 Ion Ratio Lower Upper
 63 100
 65 22.0 24.4 36.6#

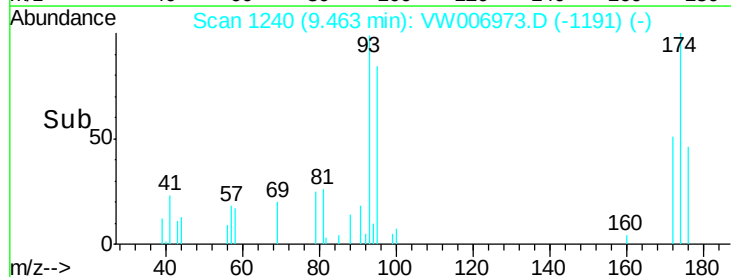
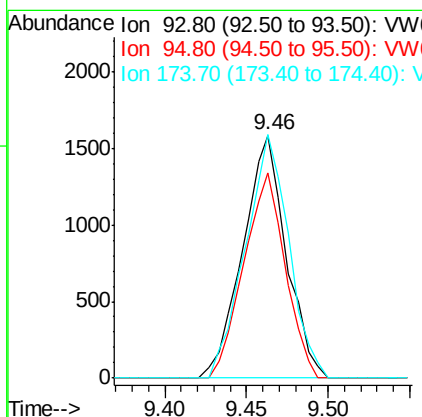
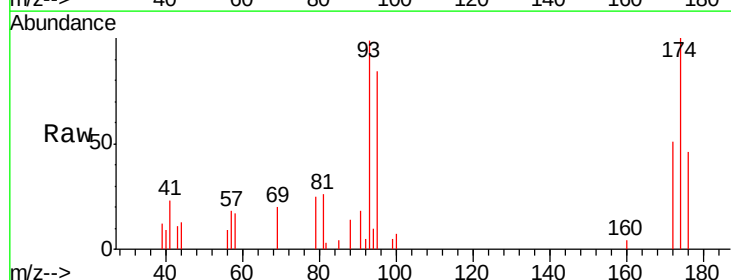
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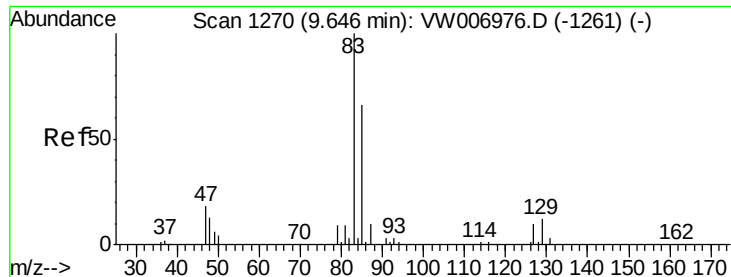
MMDadoda
 11/21/2018 11:32:32 AM



#46
 Dibromomethane
 Concen: 4.78 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Tgt Ion: 93 Resp: 2923
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.1 99.1
 174 100.4 79.7 119.5





#47

Bromodichloromethane

Concen: 4.99 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

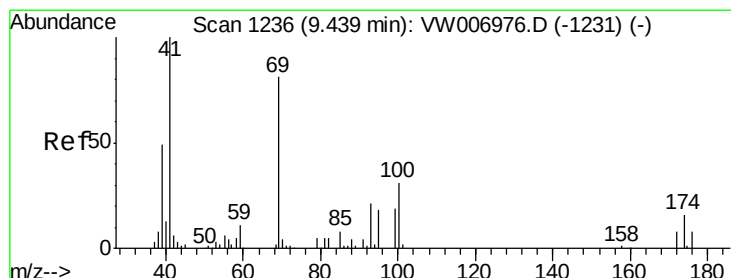
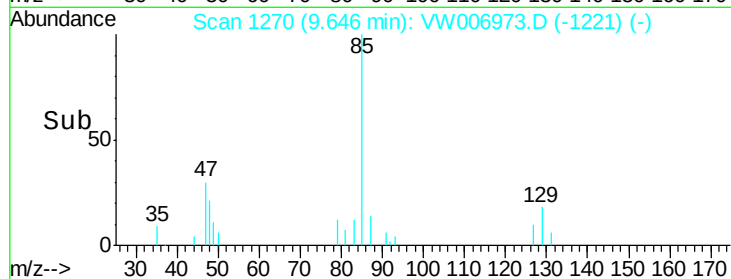
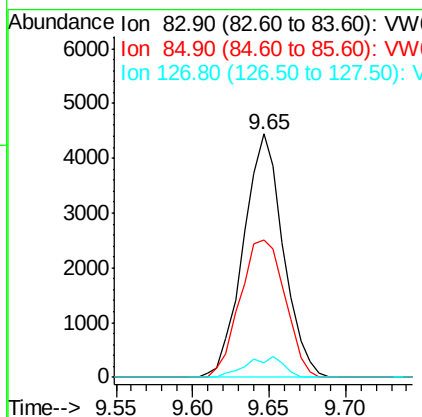
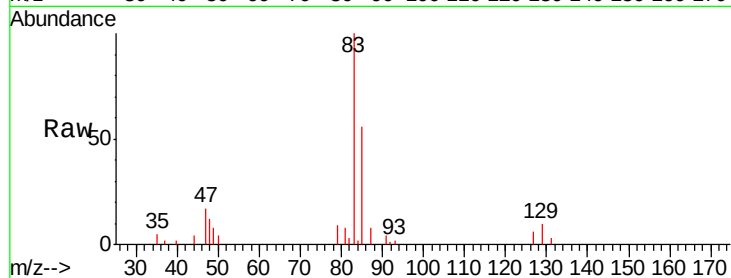
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	8041
Ion Ratio	Lower	Upper	
83	100		
85	56.2	52.9	79.3
127	5.8	7.8	11.6#

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#48

Methyl methacrylate

Concen: 4.95 ug/l

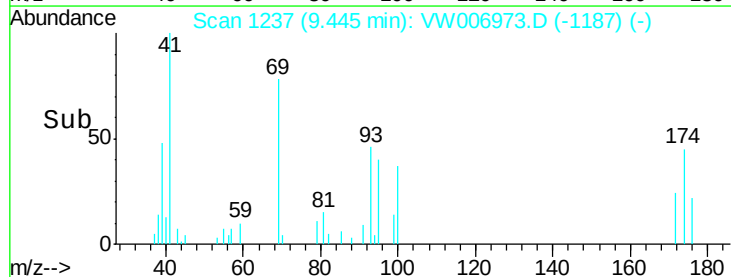
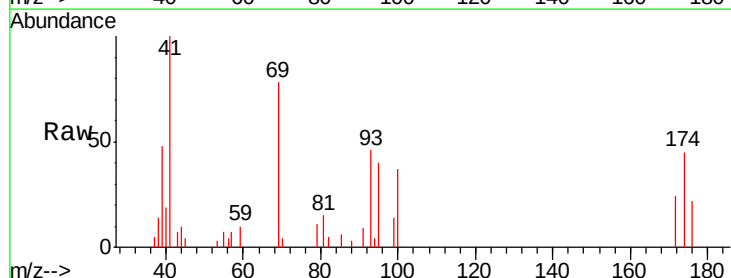
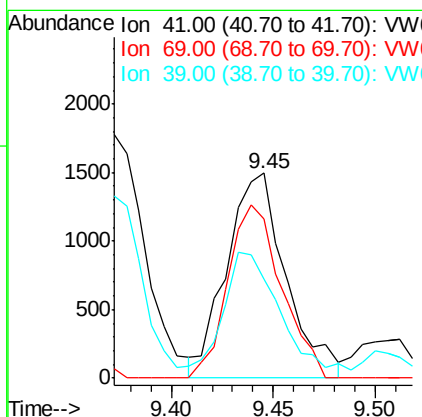
RT: 9.45 min Scan# 1237

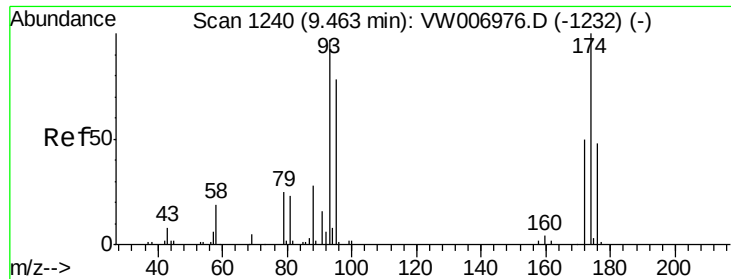
Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Tgt Ion:	41	Resp:	3025
Ion Ratio	Lower	Upper	
41	100		
69	76.7	71.4	107.0
39	61.3	44.8	67.2





#49

1,4-Dioxane

Concen: 95.24 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

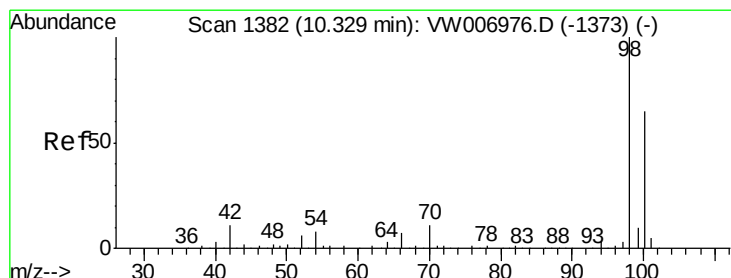
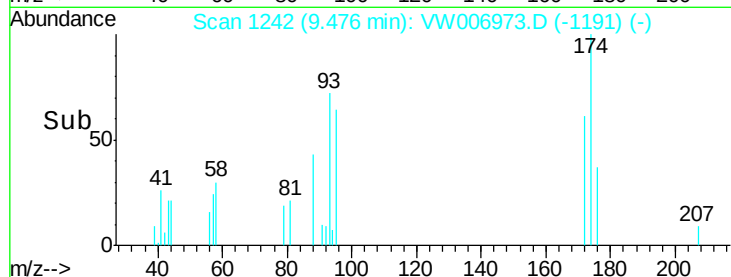
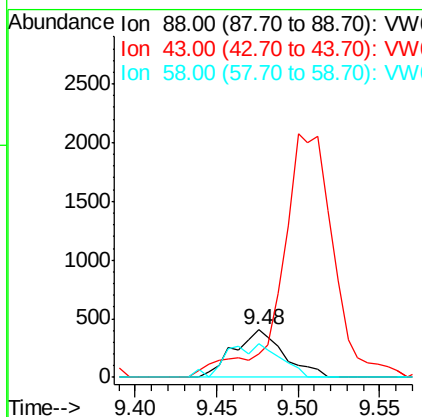
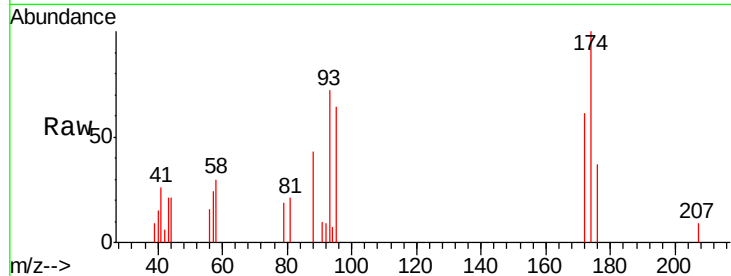
ClientSampled :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	36.9	59.0	88.6#

Manual Integrations
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#50

Toluene-d8

Concen: 4.94 ug/l

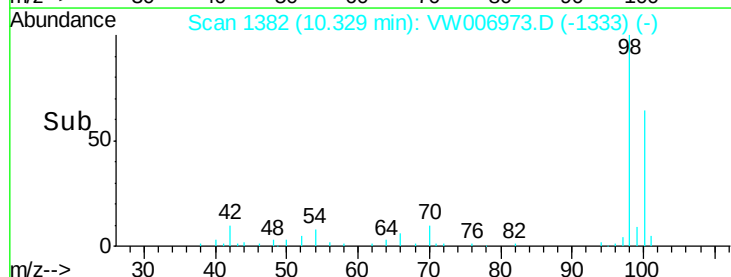
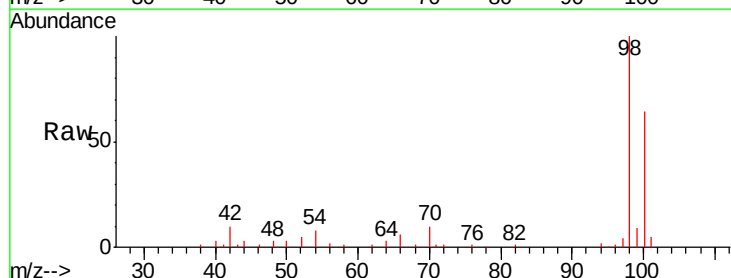
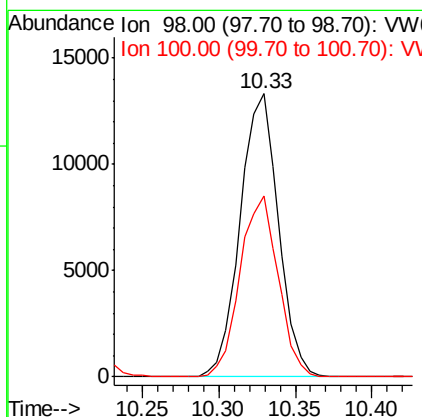
RT: 10.33 min Scan# 1382

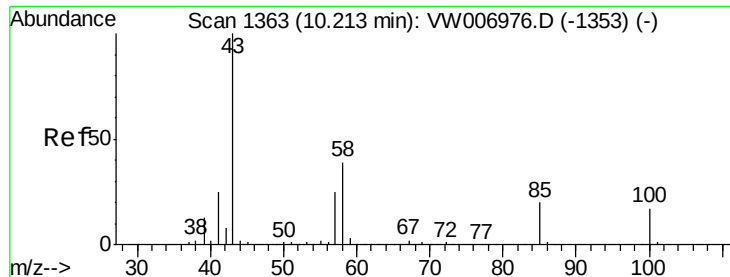
Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.2





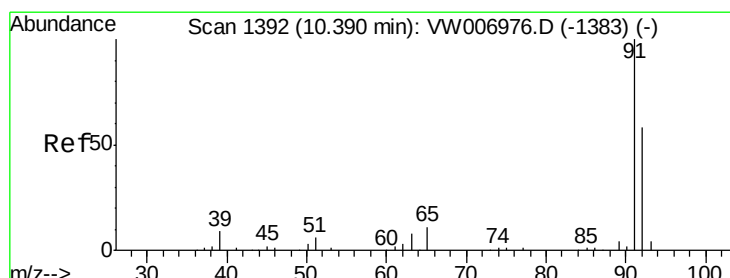
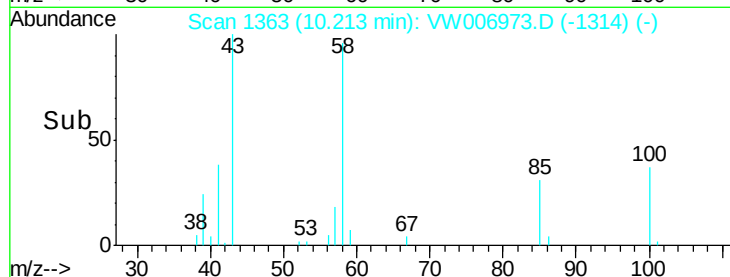
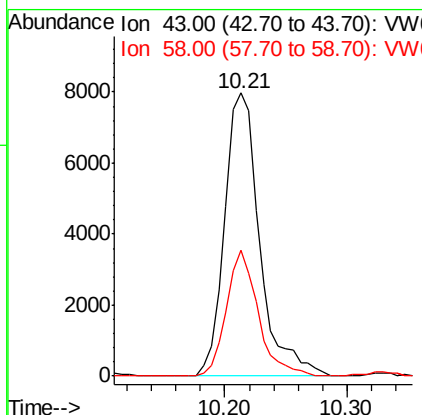
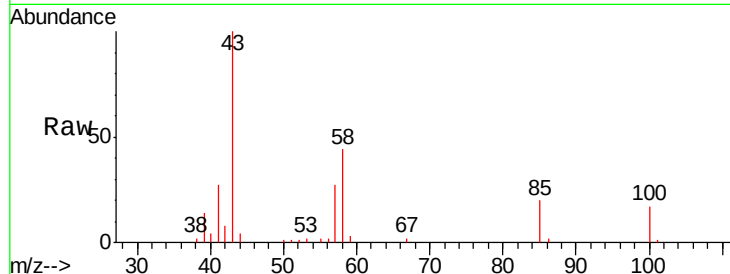
#51
 4-Methyl-2-Pentanone
 Concen: 24.73 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 15825
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.8 47.6

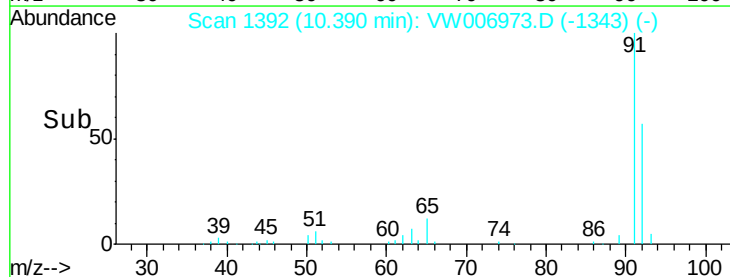
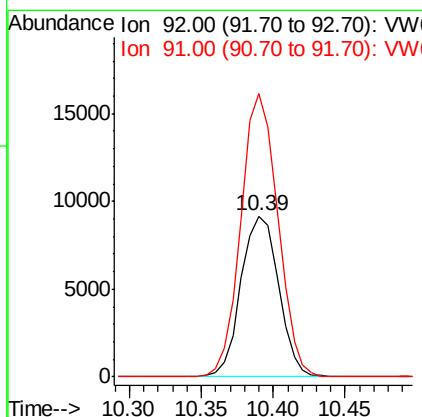
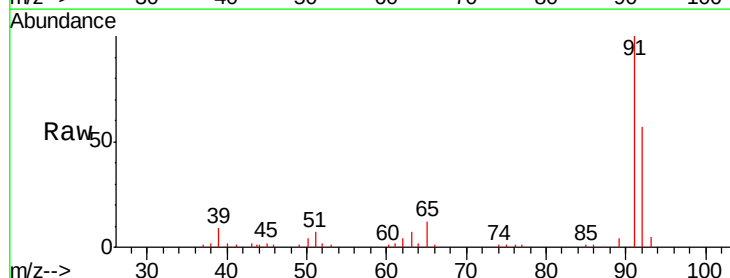
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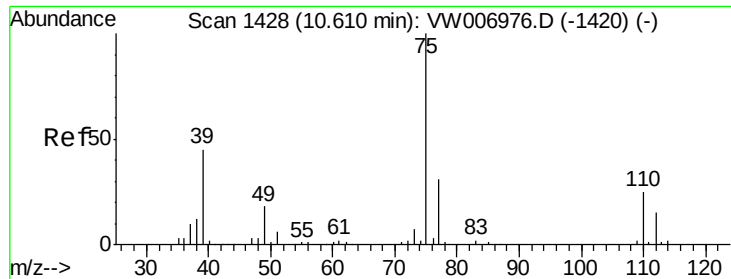
MMDadoda
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#52
 Toluene
 Concen: 4.94 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Tgt Ion: 92 Resp: 16650
 Ion Ratio Lower Upper
 92 100
 91 172.6 137.3 205.9





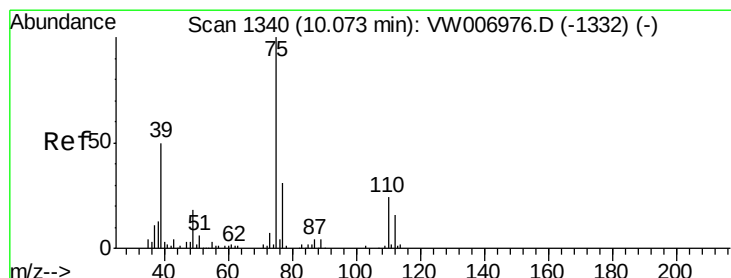
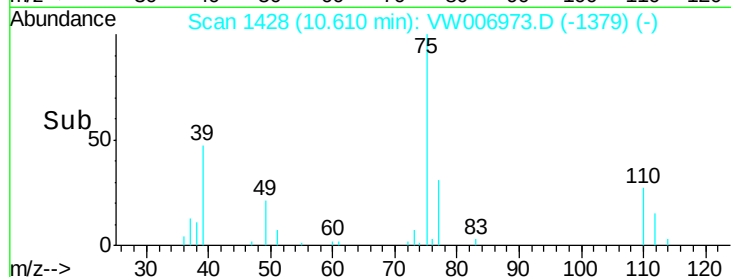
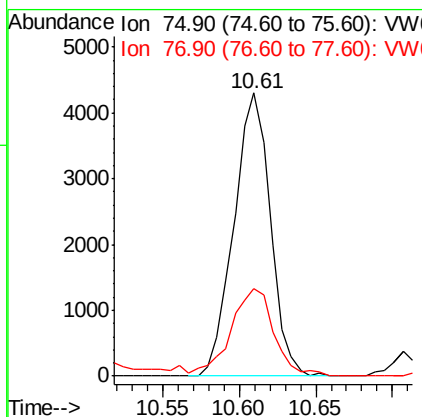
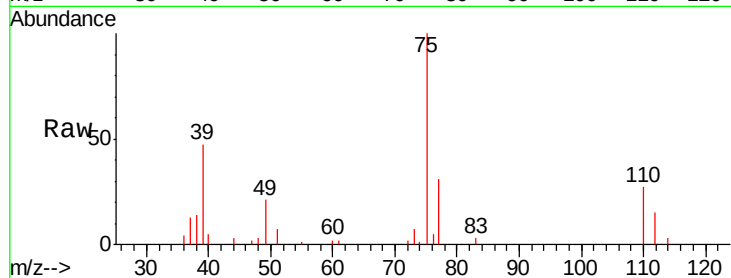
#53
t-1,3-Dichloropropene
Concen: 4.56 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 7119
Ion Ratio Lower Upper
75 100
77 30.9 24.7 37.1

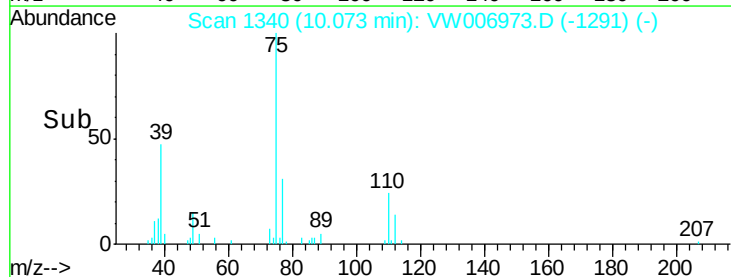
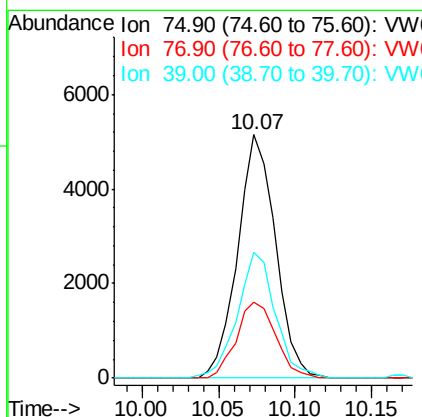
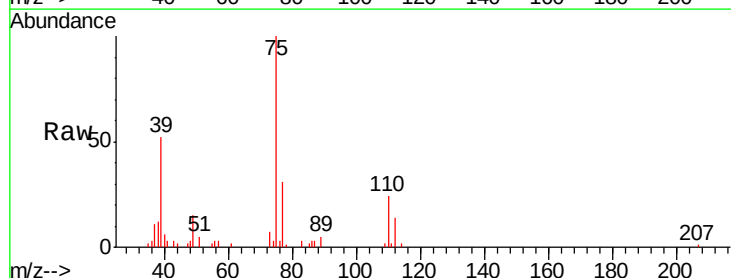
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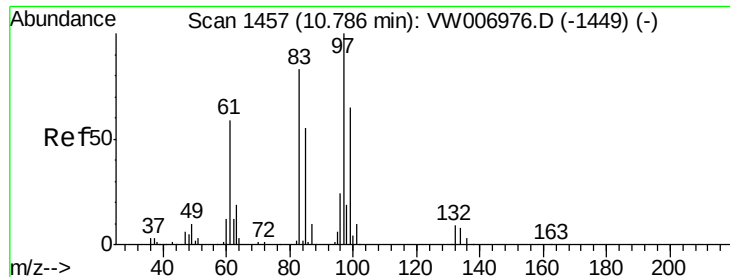
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#54
cis-1,3-Dichloropropene
Concen: 4.68 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion: 75 Resp: 8821
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6
39 51.6 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 5.15 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

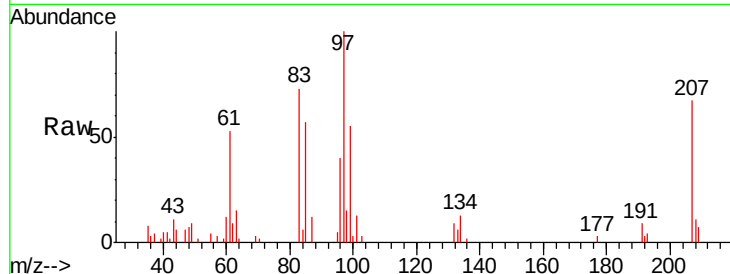
ClientSampleId :

VSTDIC005

Tgt Ion:	97	Resp:	4628
Ion	Ratio	Lower	Upper
97	100		
83	73.3	66.4	99.6
85	57.0	44.1	66.1
99	55.3	51.7	77.5

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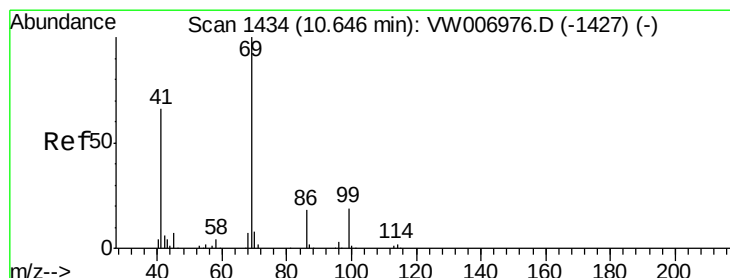
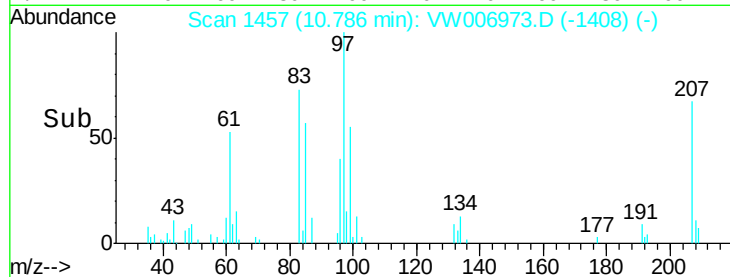
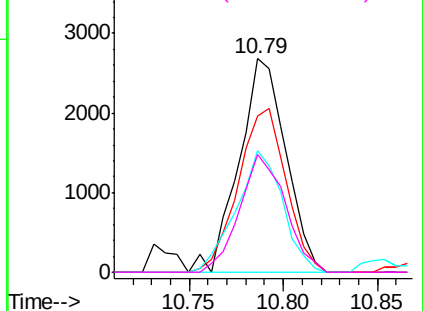
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 4.34 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

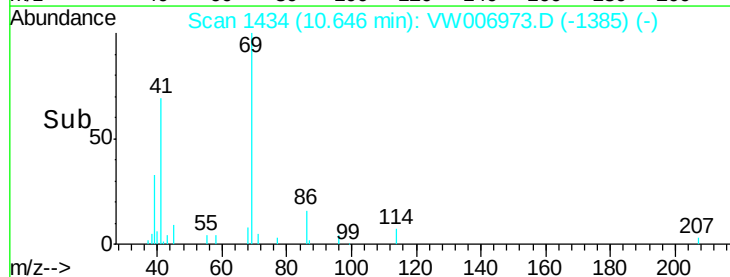
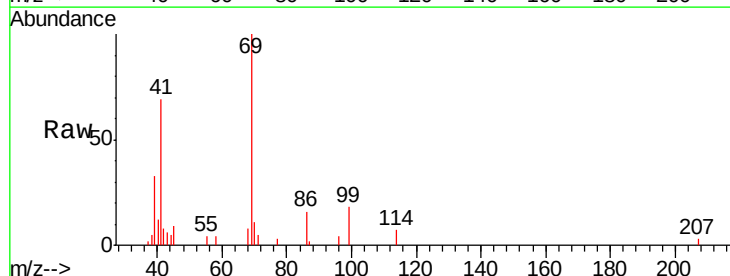
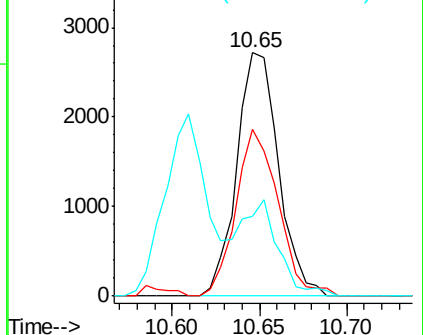
Tgt Ion:	69	Resp:	4530
Ion	Ratio	Lower	Upper
69	100		
41	69.5	53.4	80.0
39	33.9	28.2	42.4

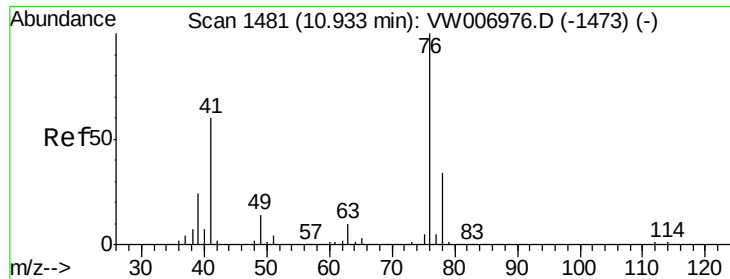
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 4.75 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 7161

Ion Ratio Lower Upper

76 100

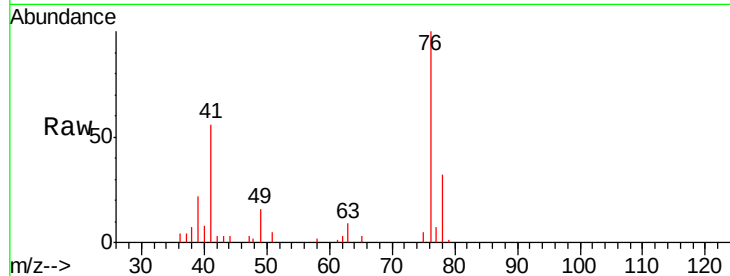
78 33.0 25.8 38.6

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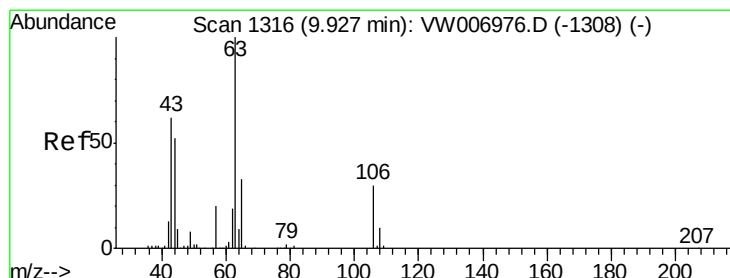
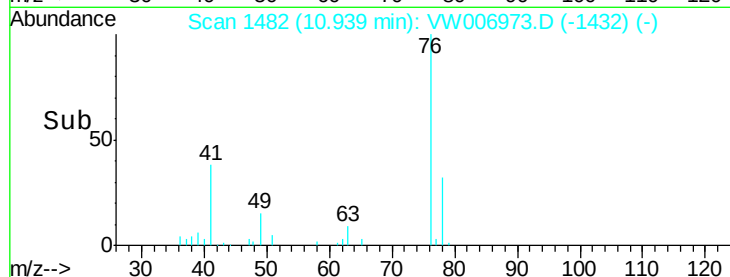
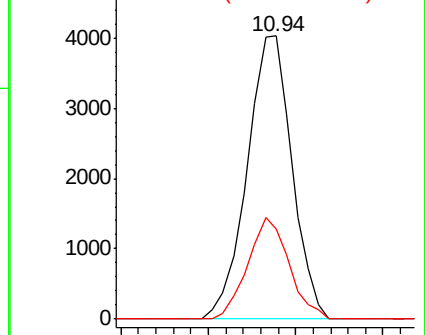
MMDadoda

11/21/2018 11:32:32 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 25.81 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW006973.D

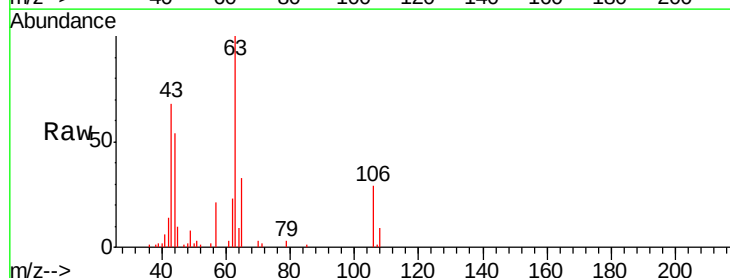
Acq: 20 Nov 2018 13:48

Tgt Ion: 63 Resp: 14075

Ion Ratio Lower Upper

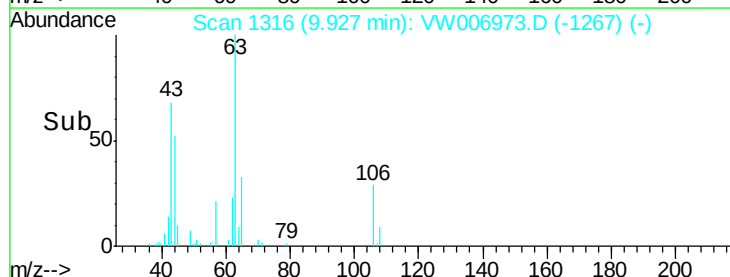
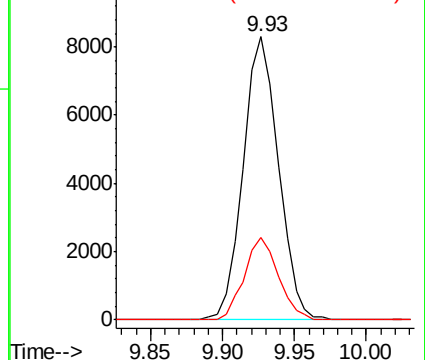
63 100

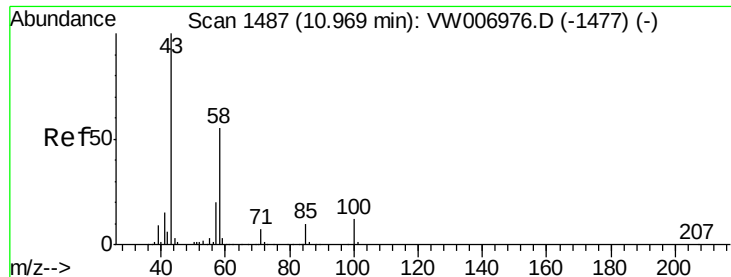
106 28.0 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





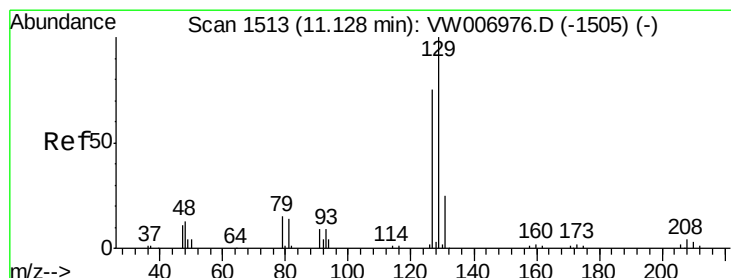
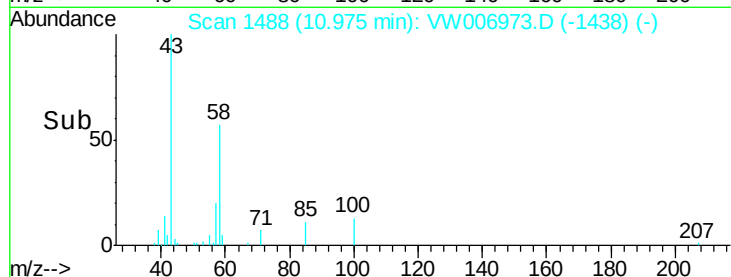
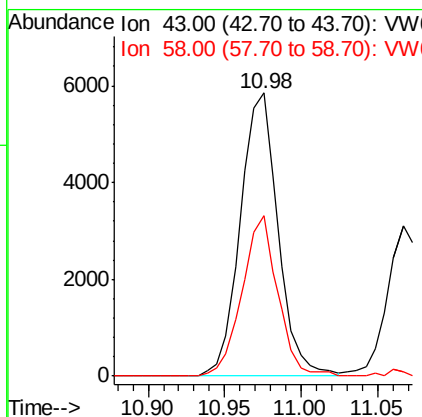
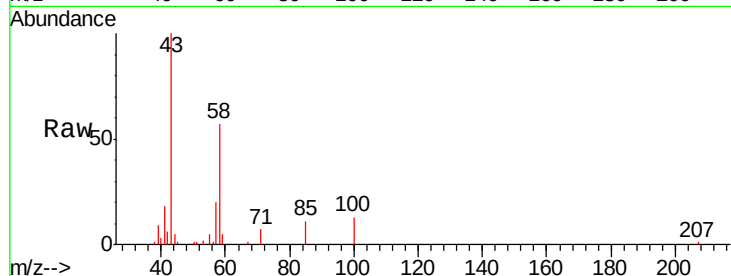
#59
2-Hexanone
Concen: 22.85 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 10015
Ion Ratio Lower Upper
43 100
58 53.7 27.3 81.8

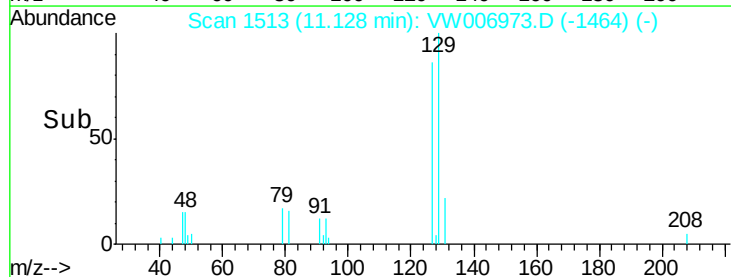
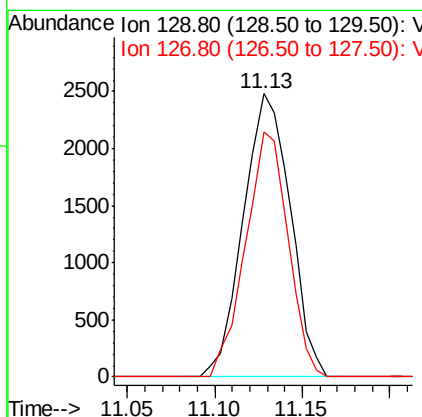
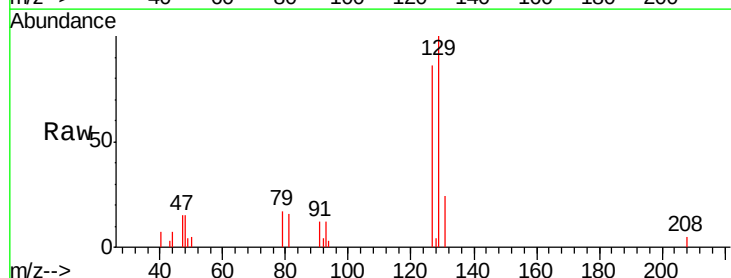
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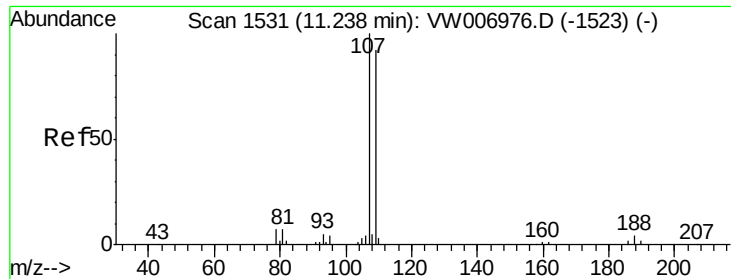
MMDadoda
11/21/2018 11:32:32 AM



#60
Dibromochloromethane
Concen: 4.52 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion: 129 Resp: 4631
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.8





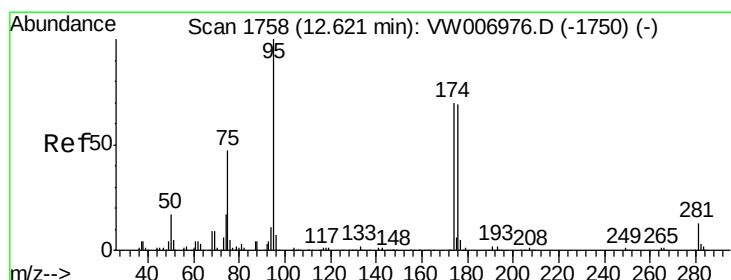
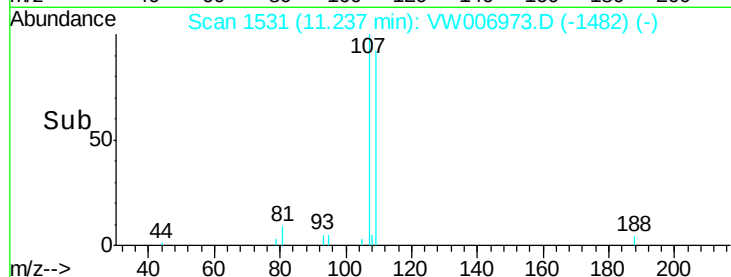
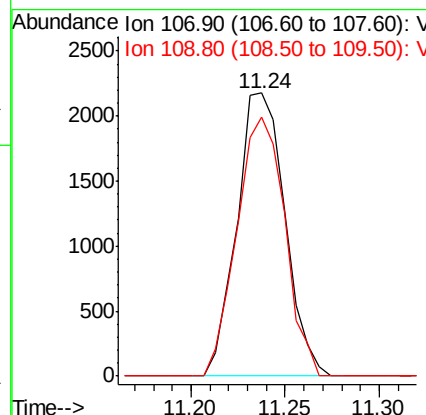
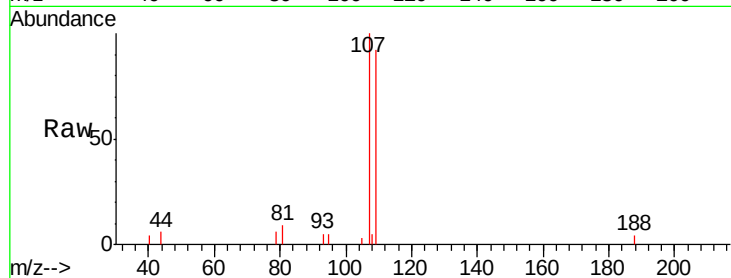
#61
 1,2-Dibromoethane
 Concen: 4.68 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 107 Resp: 3853
 Ion Ratio Lower Upper
 107 100
 109 91.4 75.1 112.7

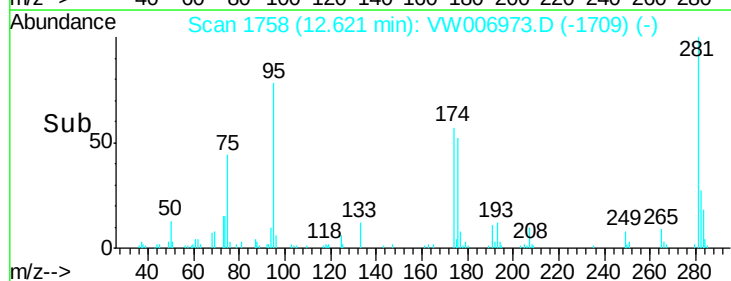
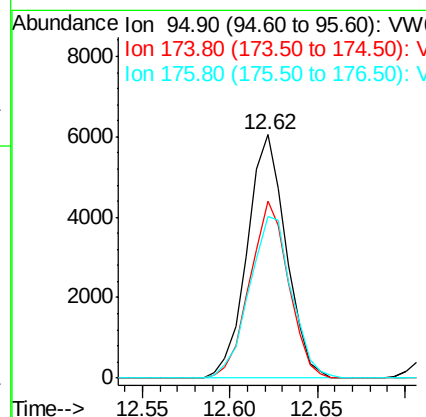
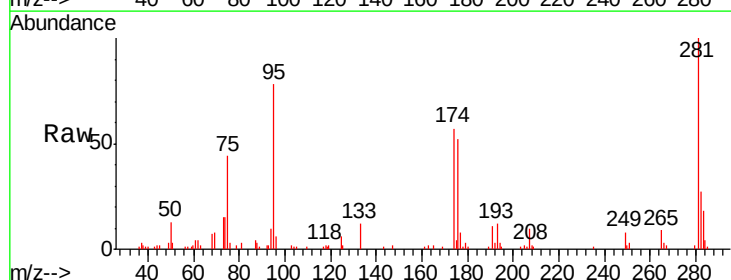
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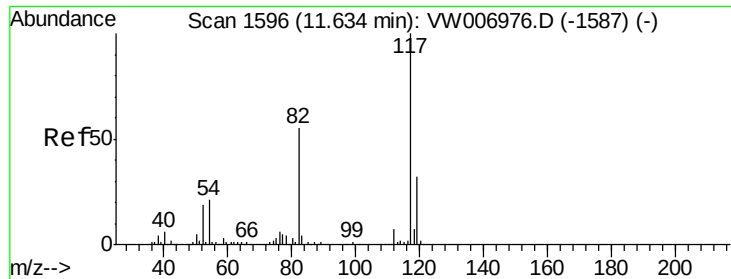
MMDadoda
 11/21/2018 11:32:32 AM



#62
 4-Bromofluorobenzene
 Concen: 5.07 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Tgt Ion: 95 Resp: 9336
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 143.6
 176 72.4 0.0 140.4





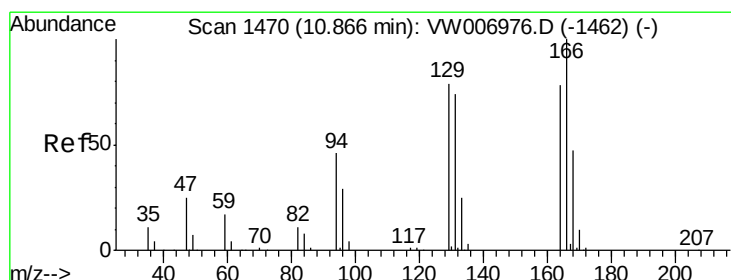
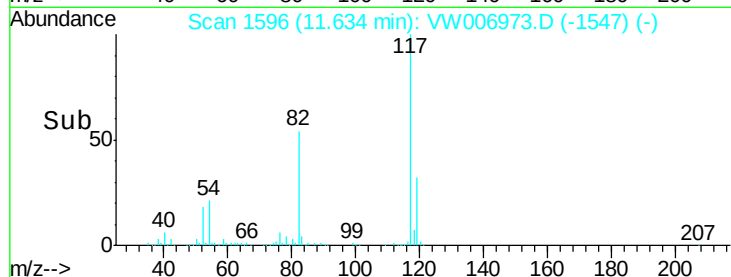
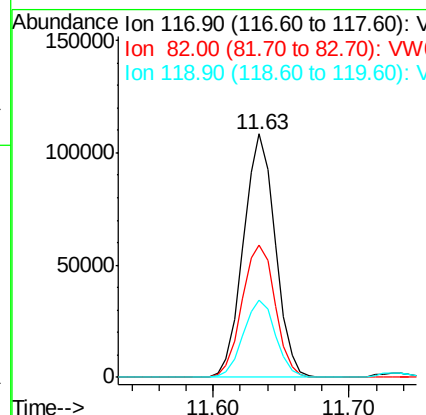
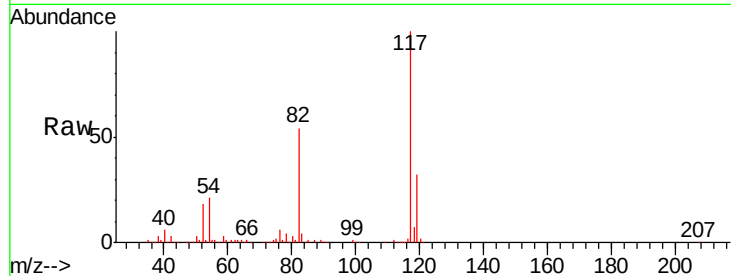
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	177433		
82	54.4	44.2	66.2	
119	31.6	25.9	38.9	

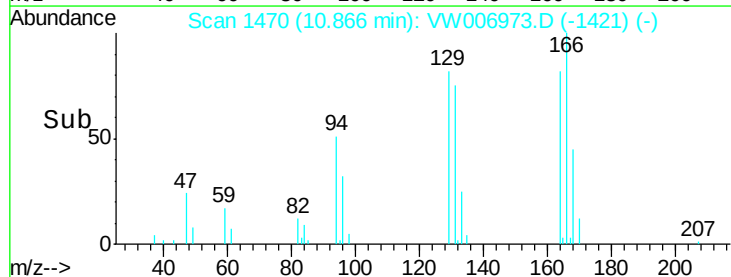
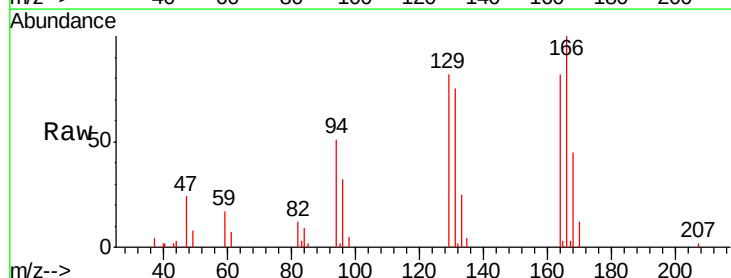
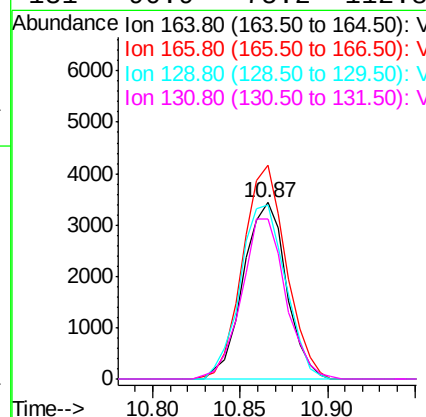
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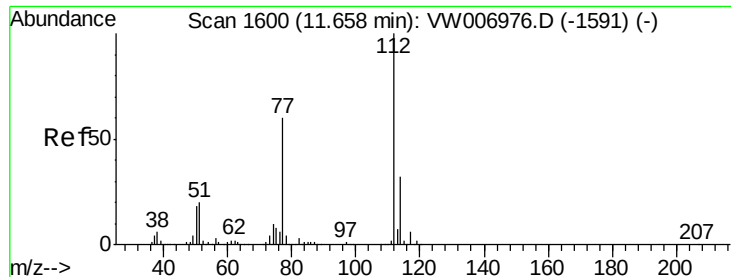
MMDadoda
11/21/2018 11:32:32 AM



#64
Tetrachloroethene
Concen: 5.17 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5898		
166	121.3	102.1	153.1	
129	99.0	80.4	120.6	
131	90.9	75.2	112.8	





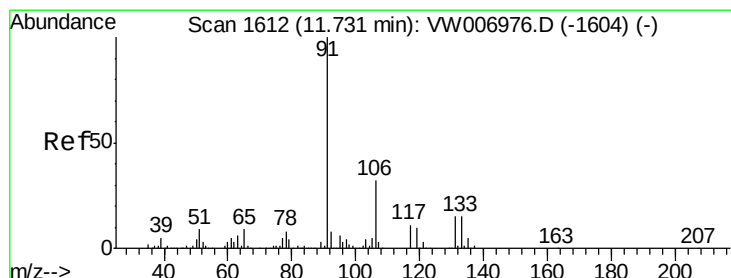
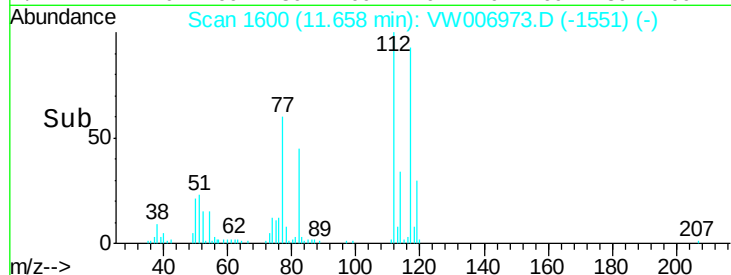
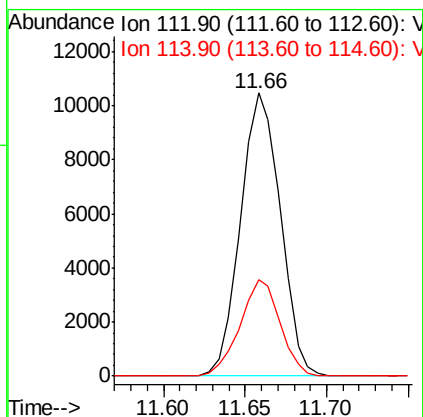
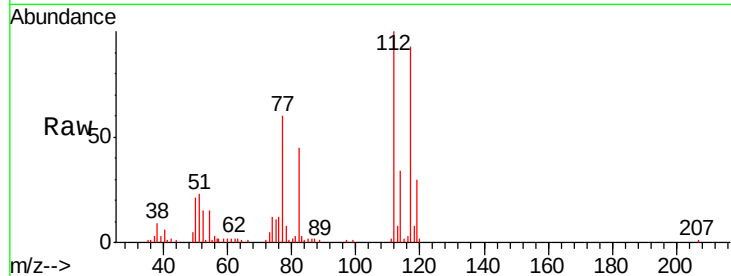
#65
Chlorobenzene
Concen: 4.81 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 17809
Ion Ratio Lower Upper
112 100
114 34.1 25.8 38.8

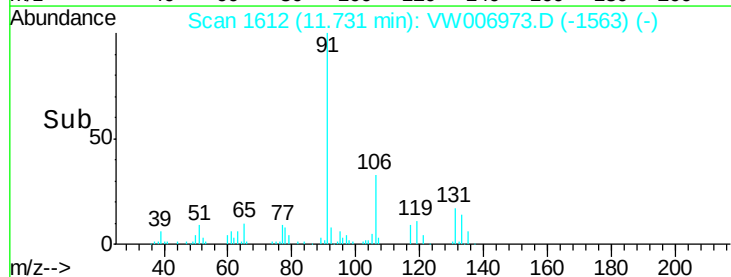
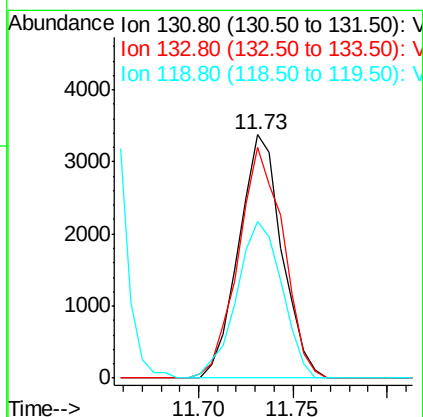
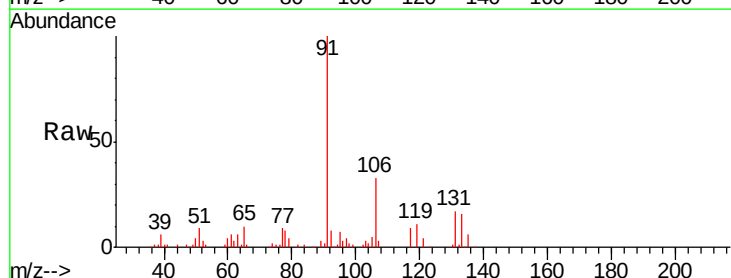
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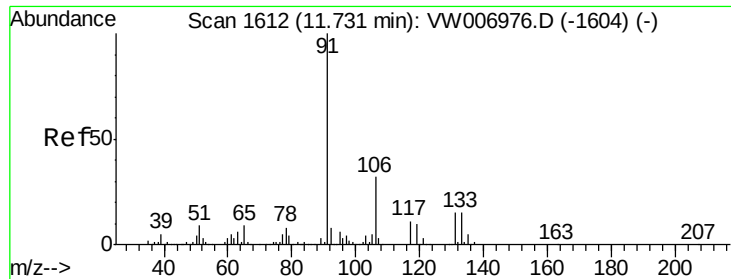
MMDadoda
11/21/2018 11:32:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.78 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion:131 Resp: 5351
Ion Ratio Lower Upper
131 100
133 99.2 47.7 143.1
119 68.0 31.8 95.3





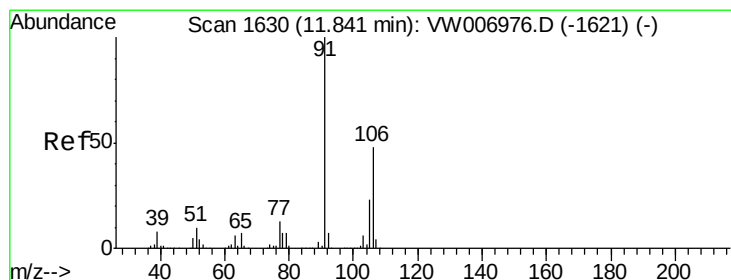
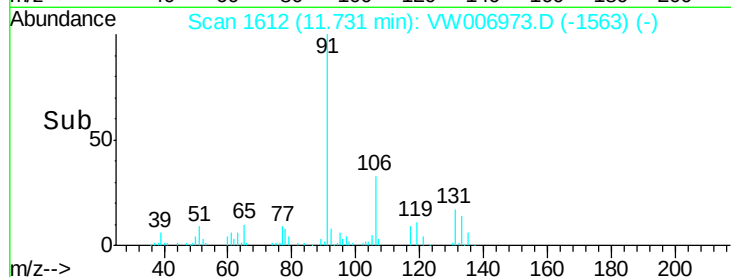
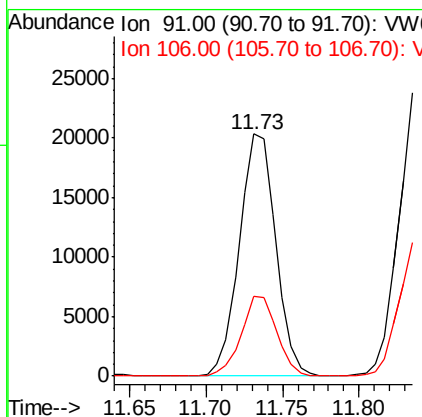
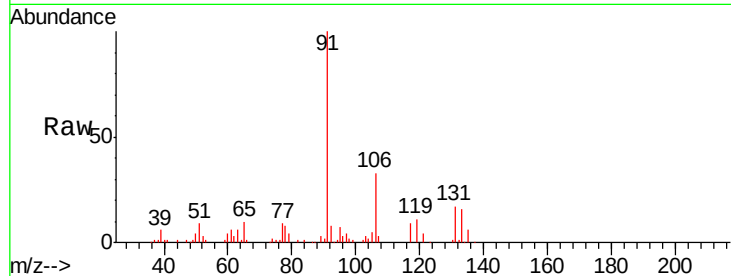
#67
Ethyl Benzene
Concen: 4.94 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 33635
Ion Ratio Lower Upper
91 100
106 33.1 25.4 38.2

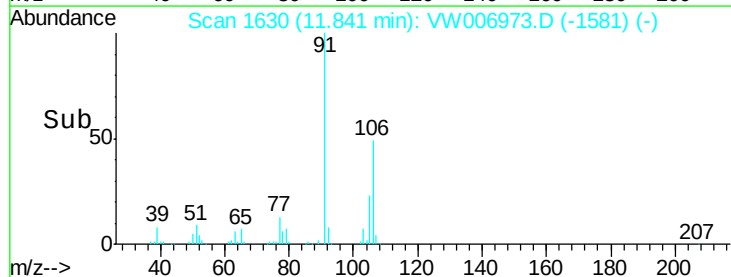
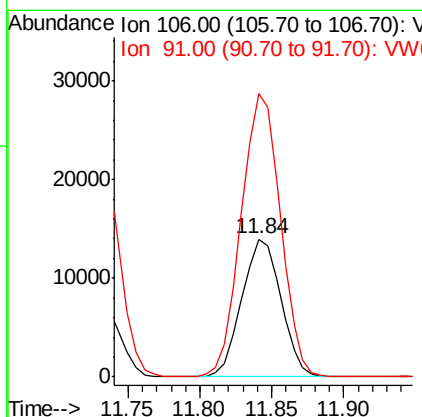
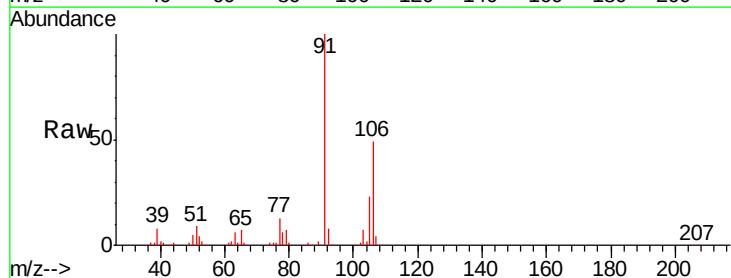
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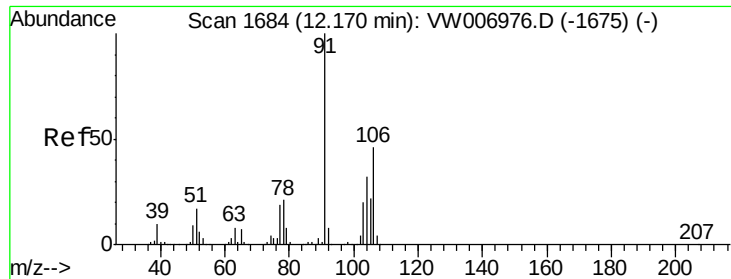
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11/21/2018 11:32:32 AM



#68
m/p-Xylenes
Concen: 9.87 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion: 106 Resp: 26345
Ion Ratio Lower Upper
106 100
91 206.1 164.8 247.2





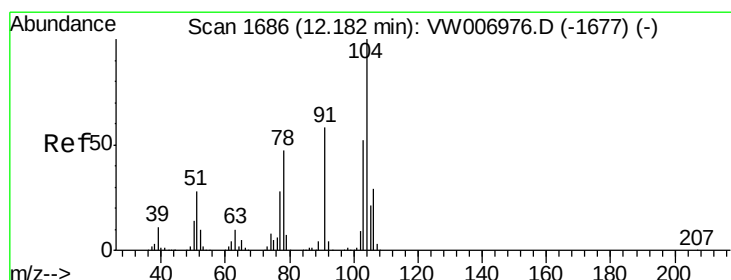
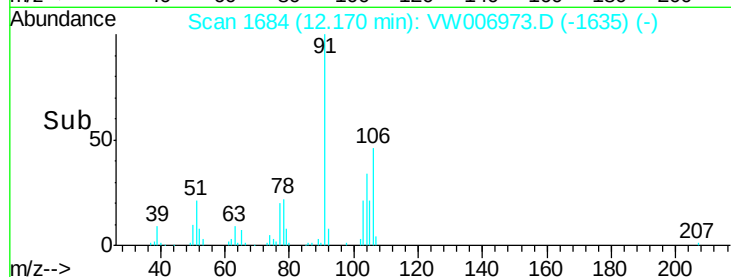
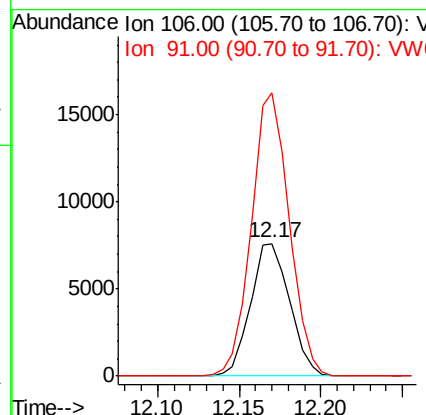
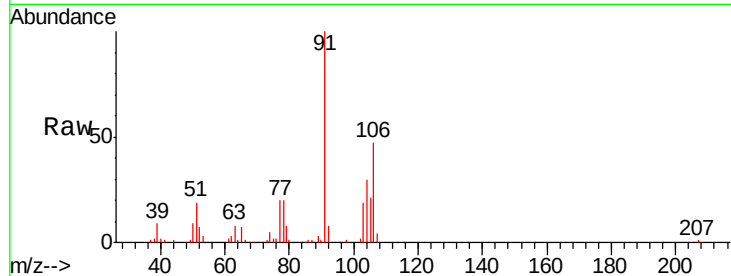
#69
o-Xylene
Concen: 5.04 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 12685
Ion Ratio Lower Upper
106 100
91 206.4 107.9 323.8

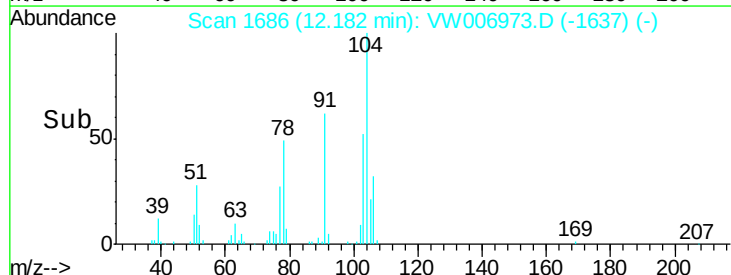
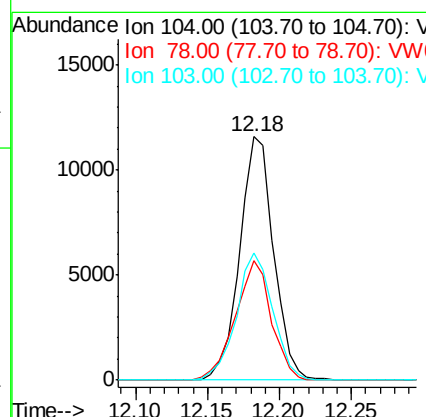
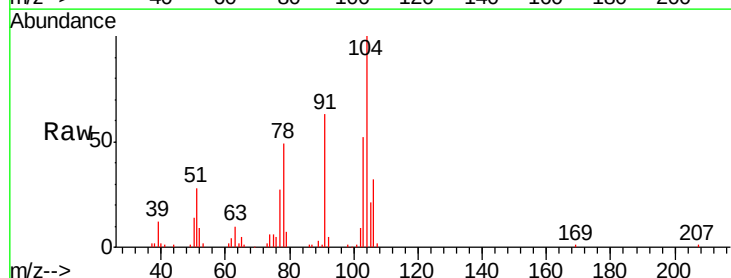
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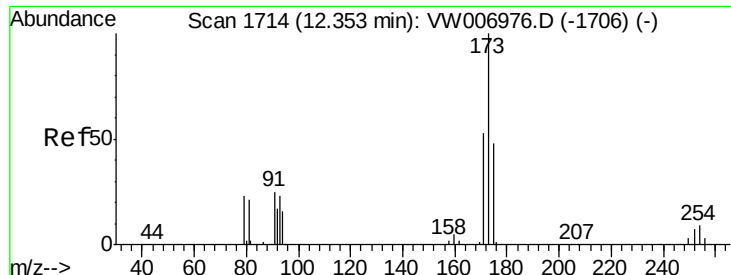
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#70
Styrene
Concen: 4.73 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion:104 Resp: 18955
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 56.3 44.4 66.6





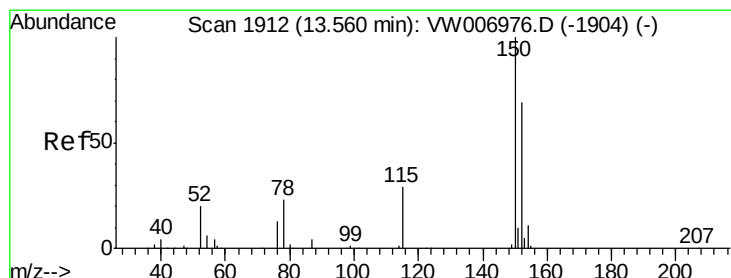
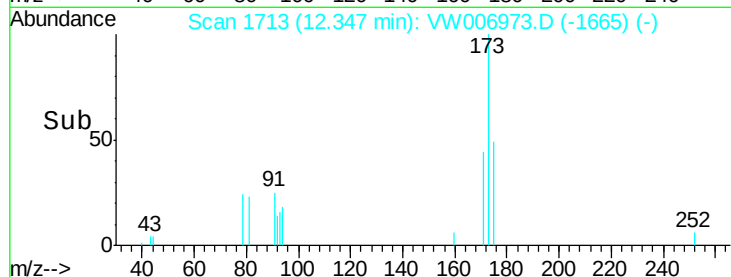
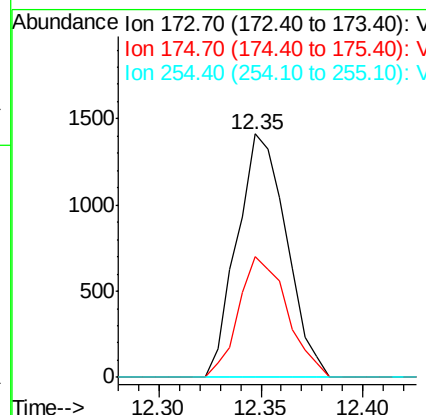
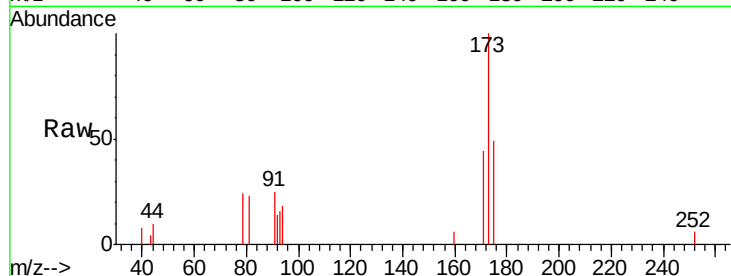
#71
Bromoform
Concen: 4.49 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.0	72.0
254	0.0	0.0	0.0

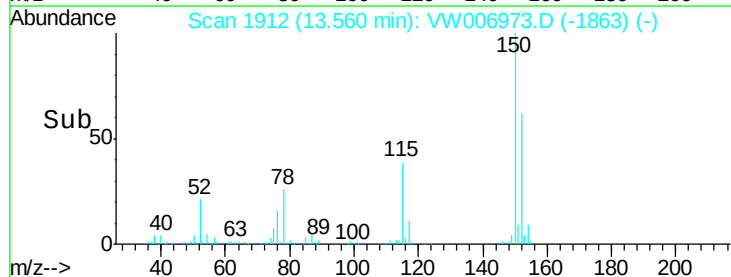
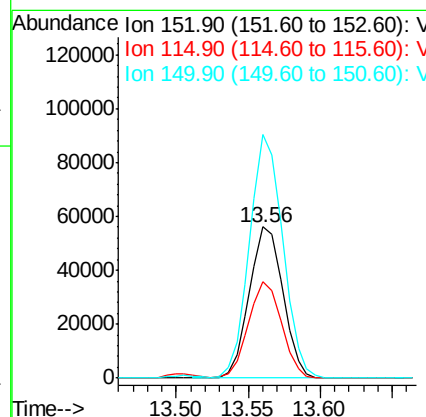
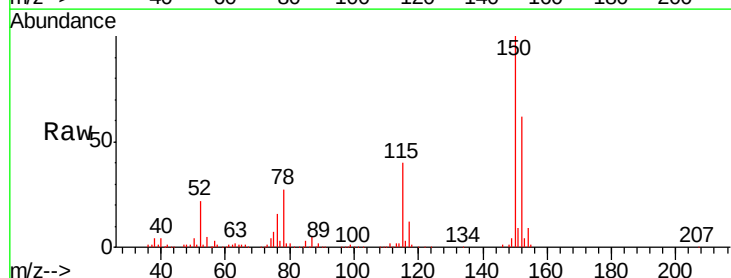
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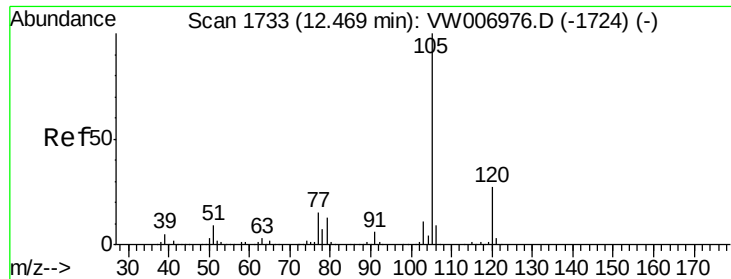
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.4	94.2
150	159.4	0.0	353.4





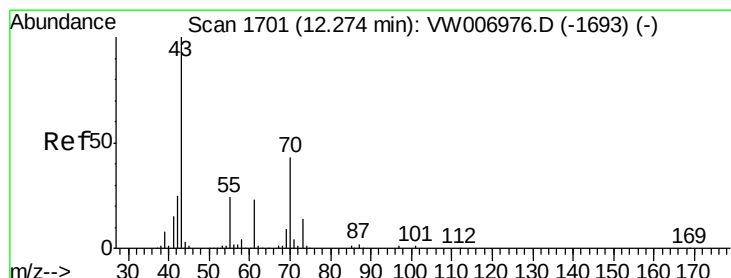
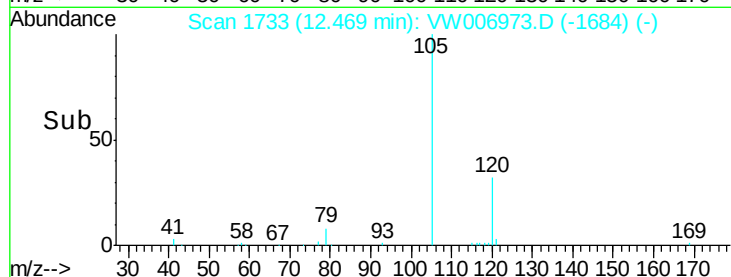
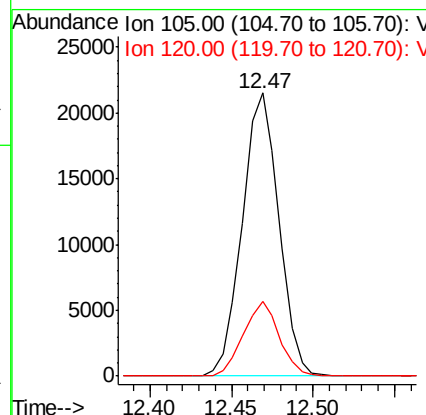
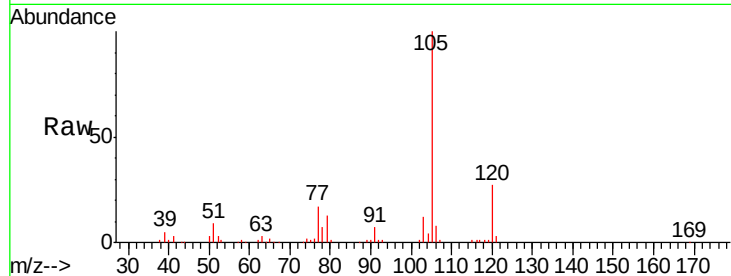
#73
Isopropylbenzene
Concen: 4.77 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 105 Resp: 33639
Ion Ratio Lower Upper
105 100
120 25.9 13.3 39.8

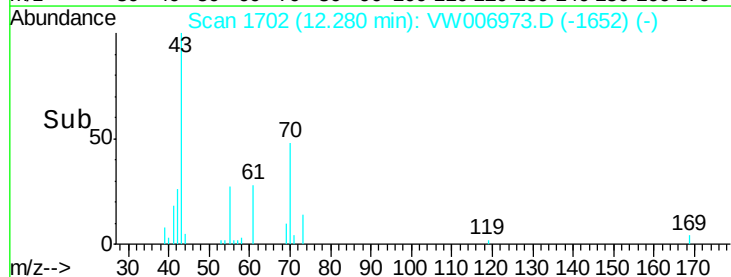
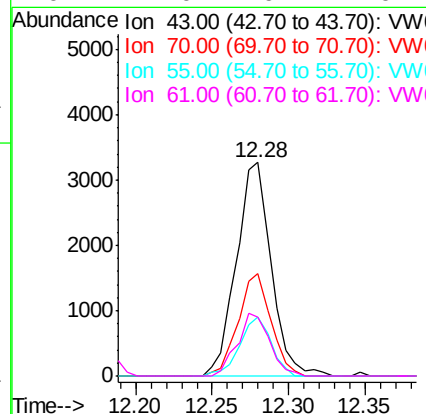
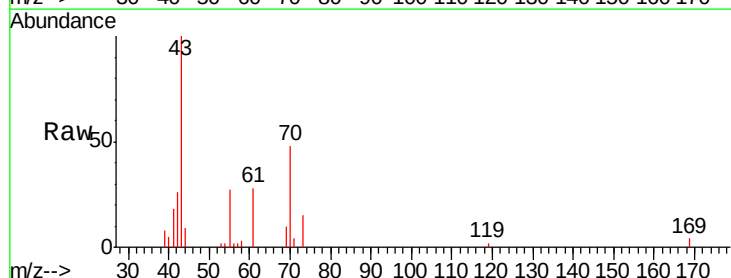
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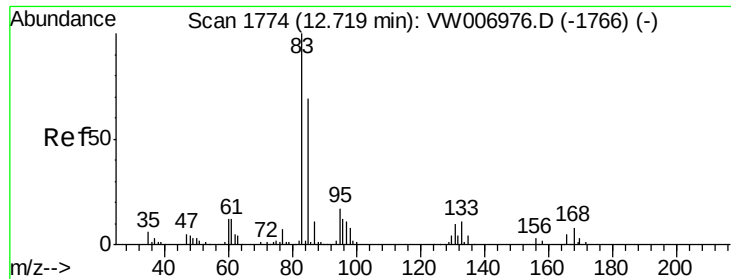
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#74
N-ethyl acetate
Concen: 4.37 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion: 43 Resp: 5165
Ion Ratio Lower Upper
43 100
70 45.2 34.0 51.0
55 25.1 19.4 29.0
61 27.0 19.4 29.2





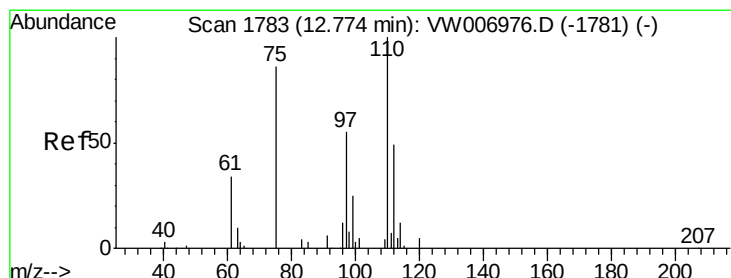
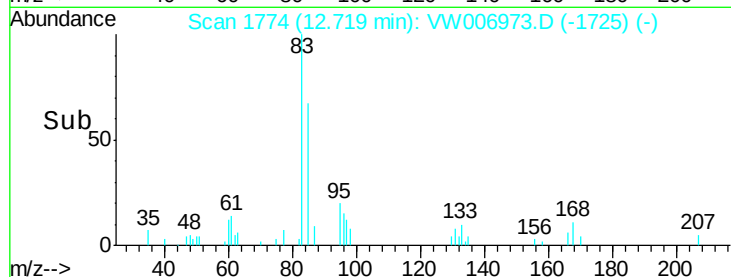
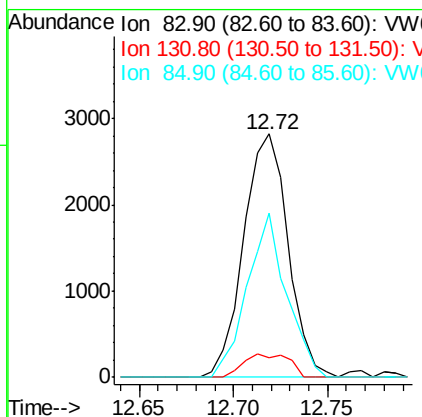
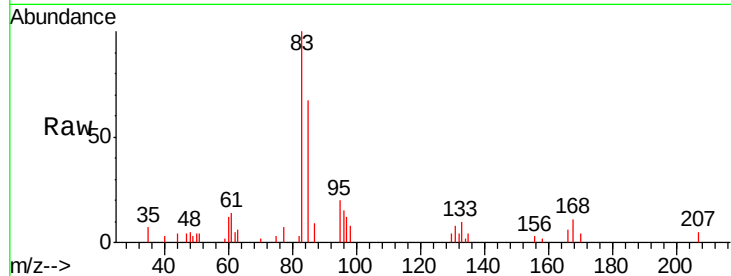
#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.91 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.7	17.1
85	59.8	33.1	99.2

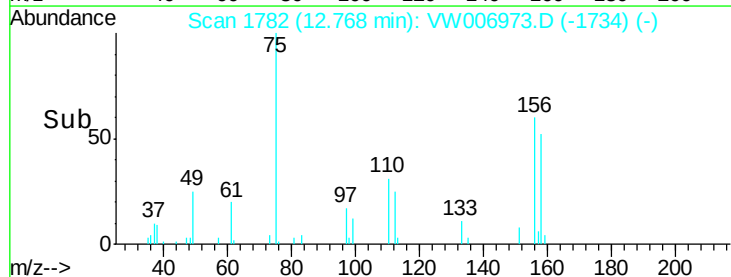
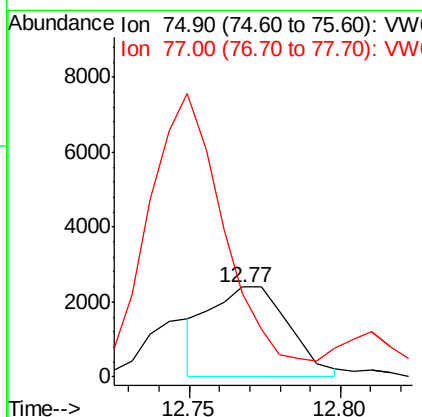
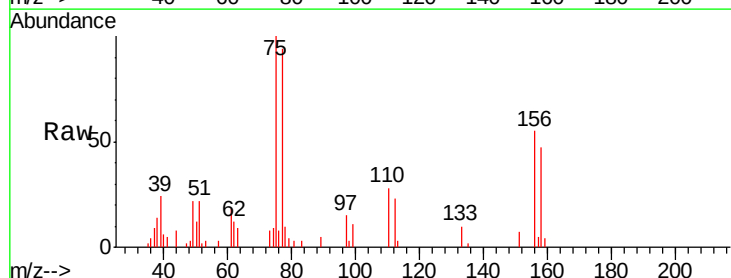
Manual Integrations
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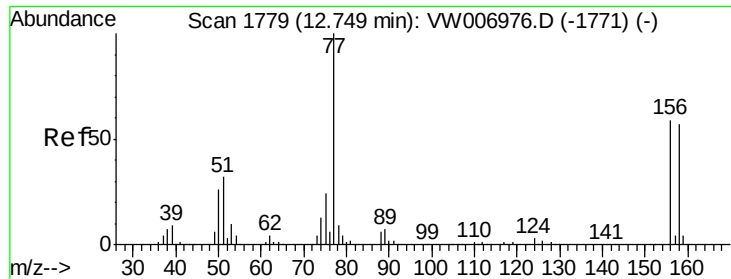
MMDadoda
 11/21/2018 11:32:32 AM



#76
 1,2,3-Trichloropropane
 Concen: 3.71 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	310.4	0.0	0.0#





#77

Bromobenzene

Concen: 4.82 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

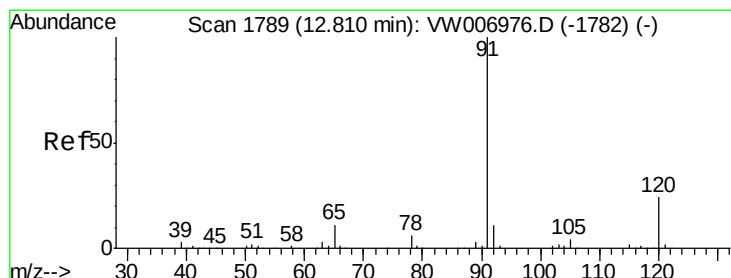
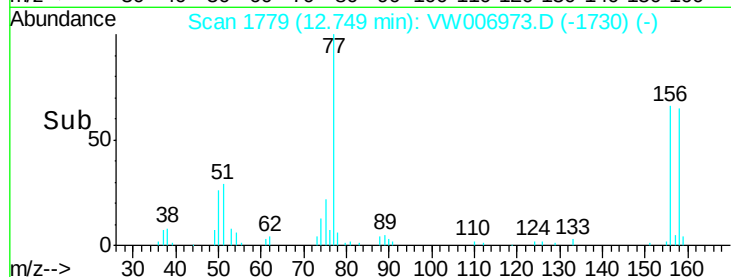
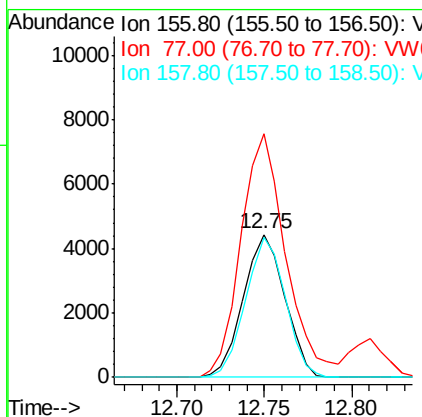
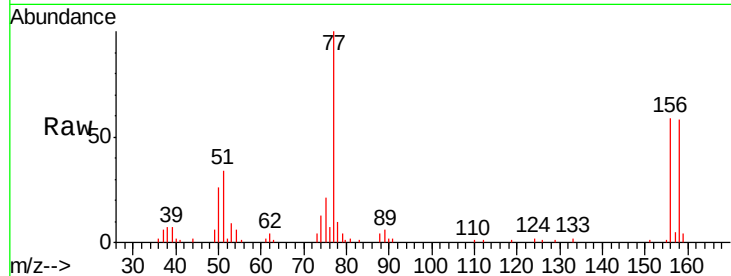
ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	7309
Ion Ratio	Lower	Upper	
156	100		
77	185.0	94.6	283.8
158	94.3	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 4.85 ug/l

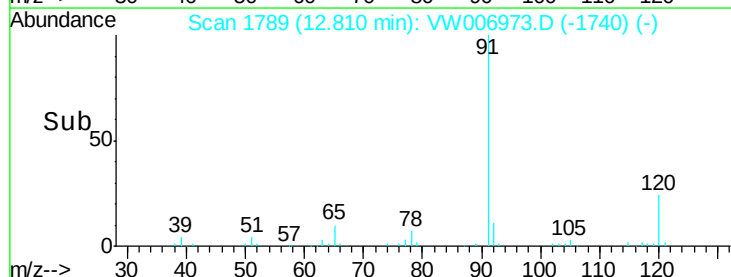
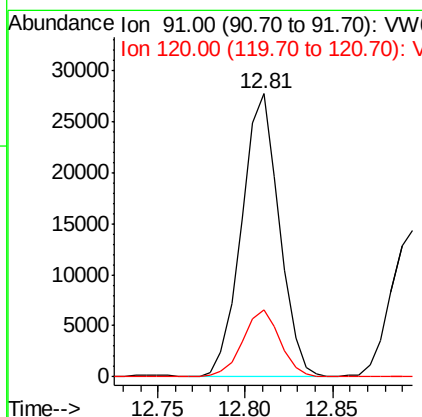
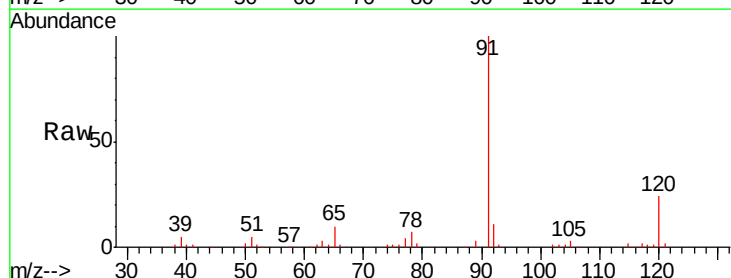
RT: 12.81 min Scan# 1789

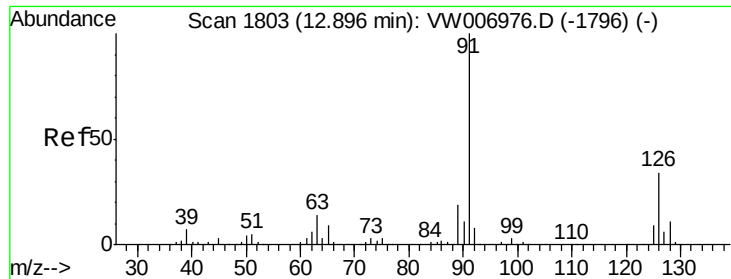
Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Tgt Ion:	91	Resp:	41449
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.1





#79

2-Chlorotoluene

Concen: 4.92 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 24253

Ion Ratio Lower Upper

91 100

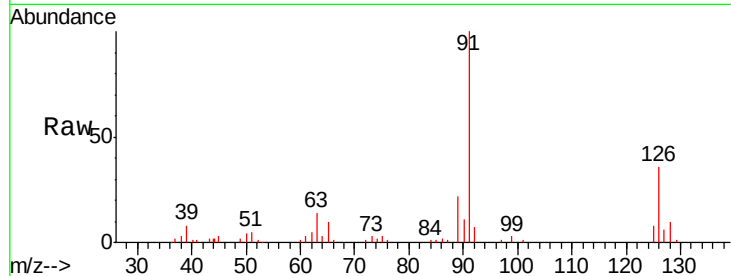
126 32.9 16.7 50.0

Manual Integrations

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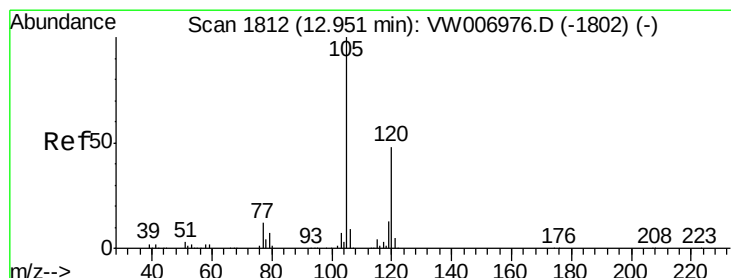
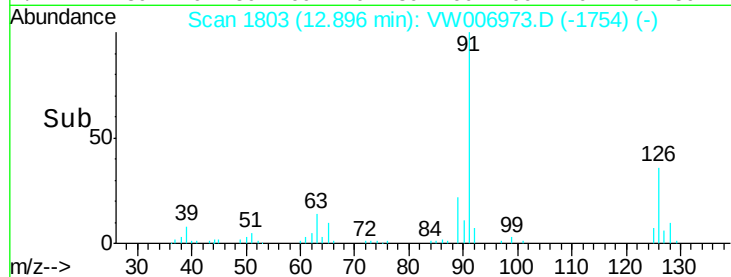
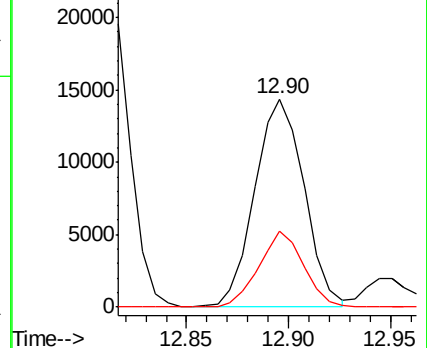
MMDadoda

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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: 4.85 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006973.D

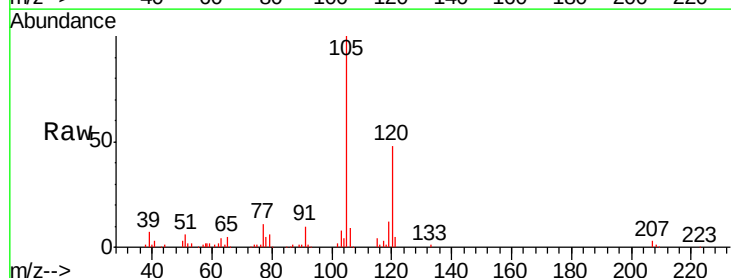
Acq: 20 Nov 2018 13:48

Tgt Ion: 105 Resp: 29612

Ion Ratio Lower Upper

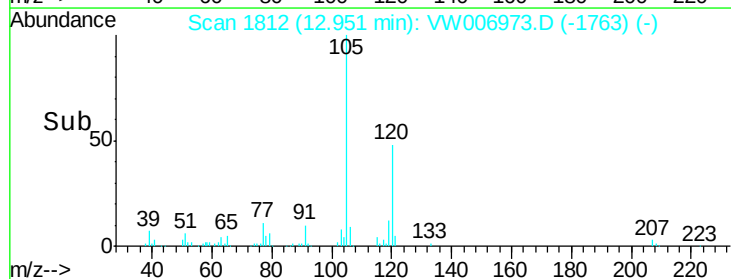
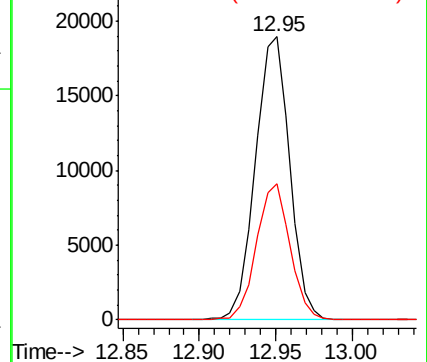
105 100

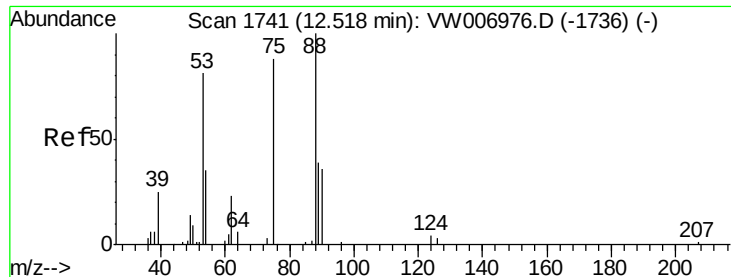
120 47.1 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





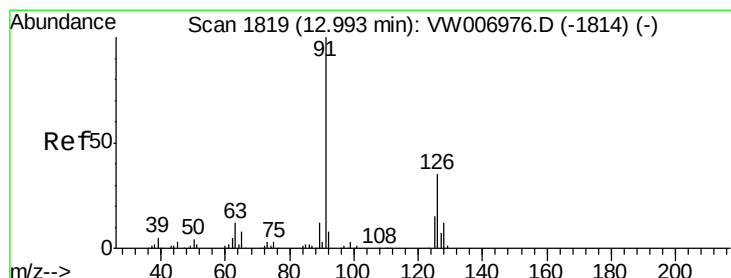
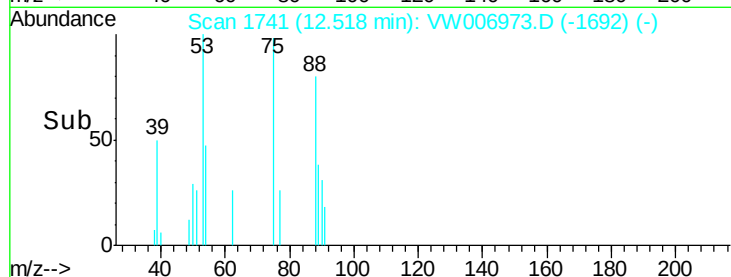
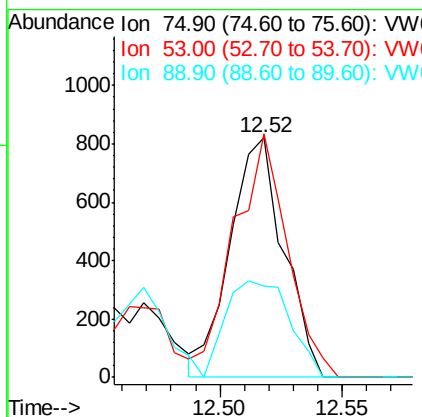
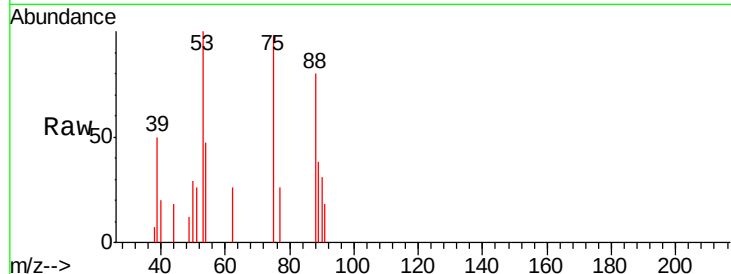
#81
trans-1,4-Dichloro-2-butene
Concen: 4.40 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.4	77.6	116.4
89	48.0	39.3	58.9

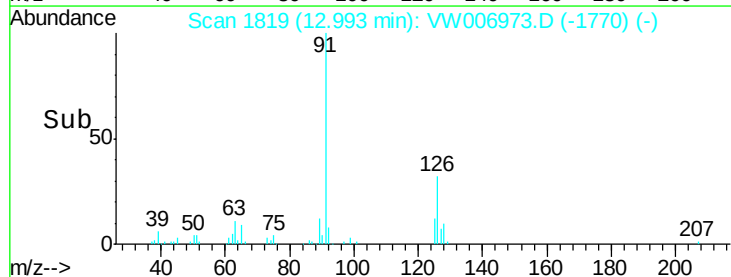
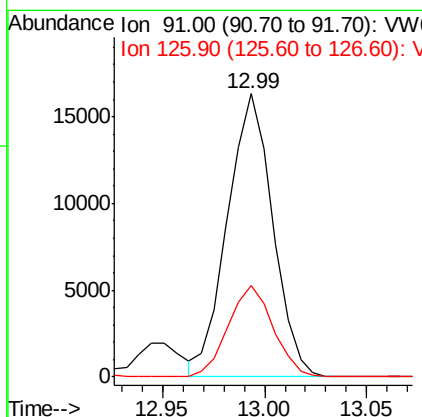
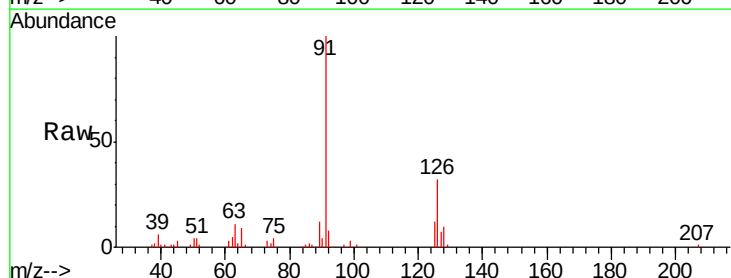
Manual Integrations
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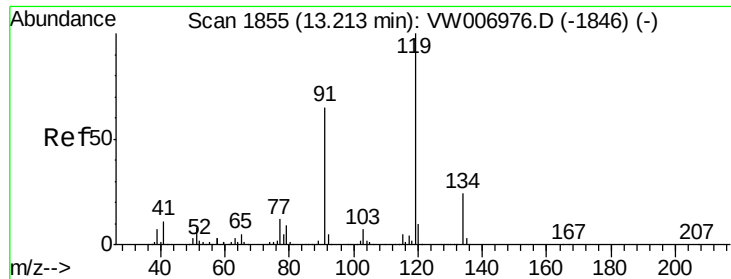
MMDadoda
11/21/2018 11:32:32 AM



#82
4-Chlorotoluene
Concen: 4.85 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.6	49.7





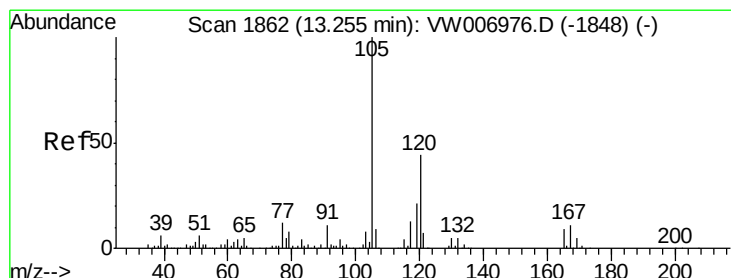
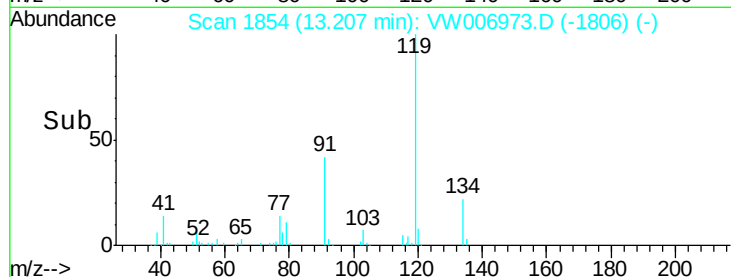
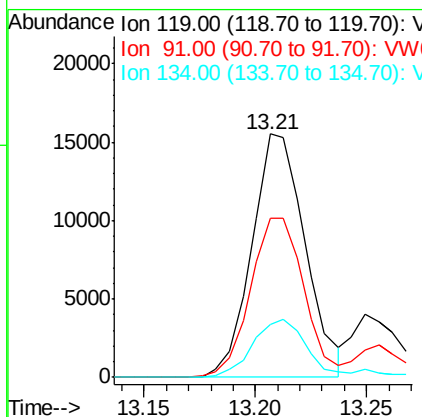
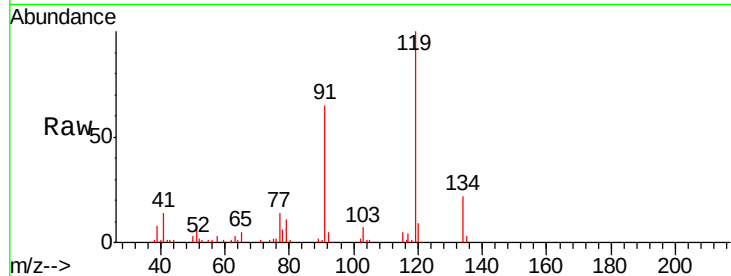
#83
 tert-Butylbenzene
 Concen: 4.89 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.5	100.5
134	23.9	12.6	37.8

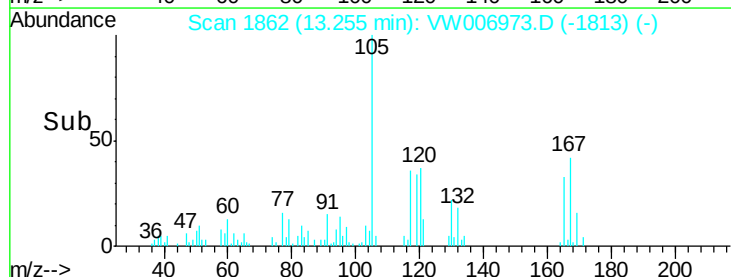
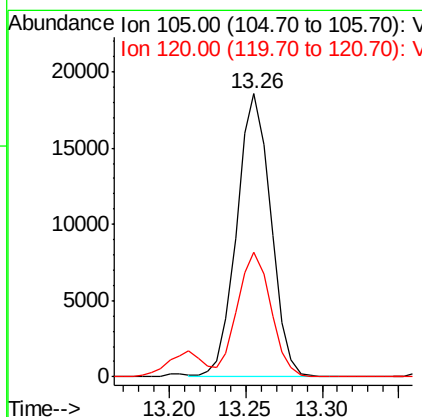
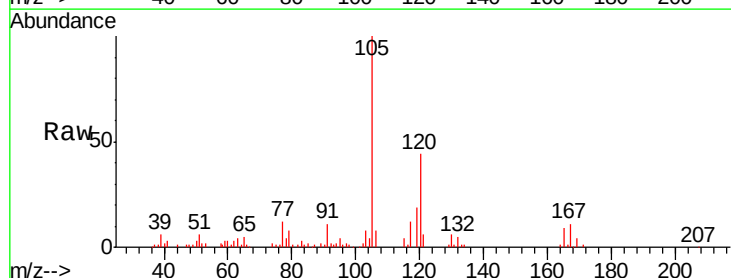
Manual Integrations
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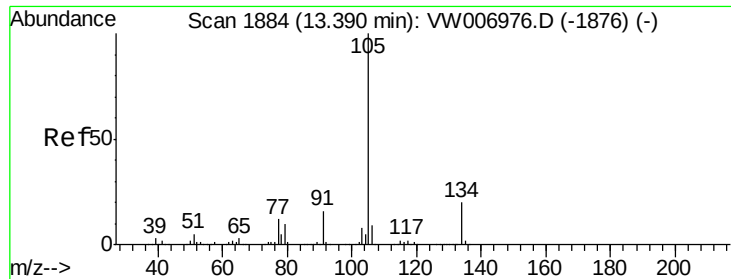
MMDadoda
 11/21/2018 11:32:32 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.72 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.8	65.3





#85

sec-Butylbenzene

Concen: 4.83 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 36026

Ion Ratio Lower Upper

105 100

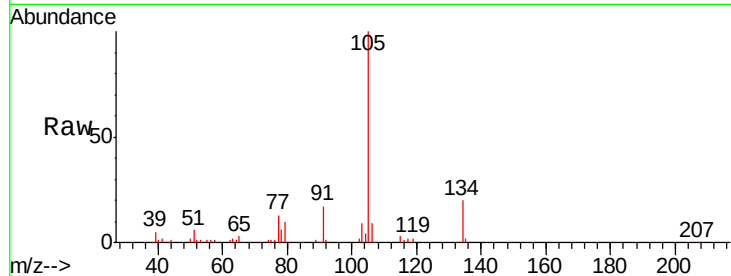
134 20.1 9.8 29.3

Manual Integrations

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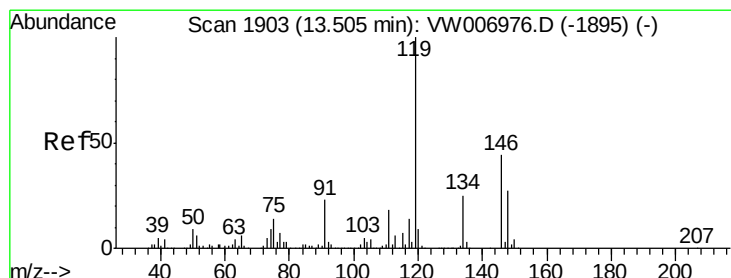
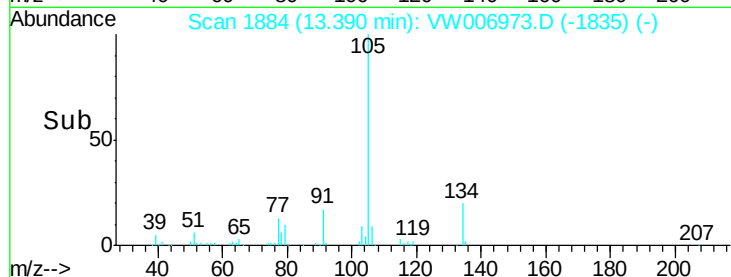
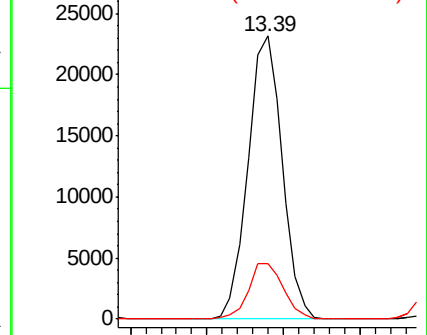
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.91 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW006973.D

Acq: 20 Nov 2018 13:48

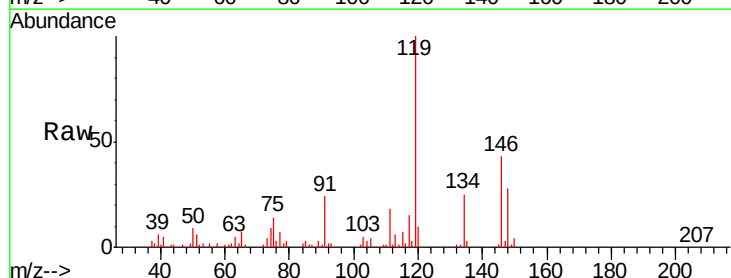
Tgt Ion:119 Resp: 32365

Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.3

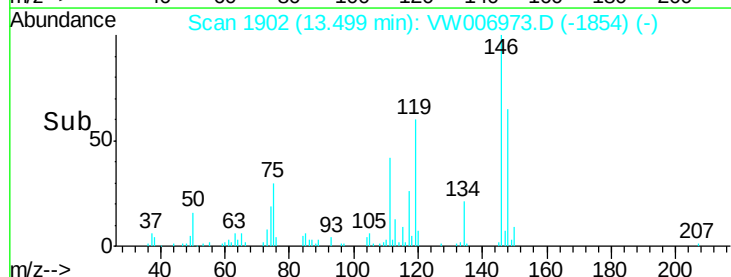
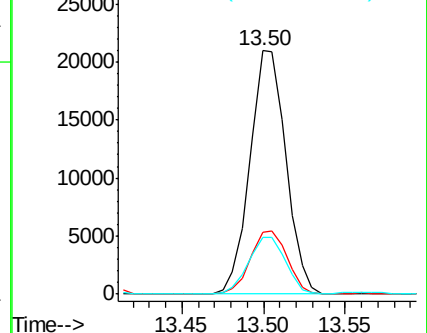
91 24.0 12.2 36.6

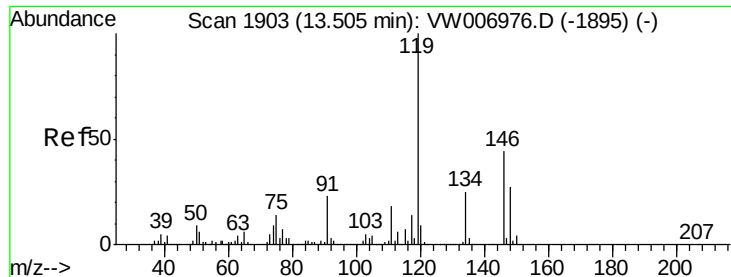


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





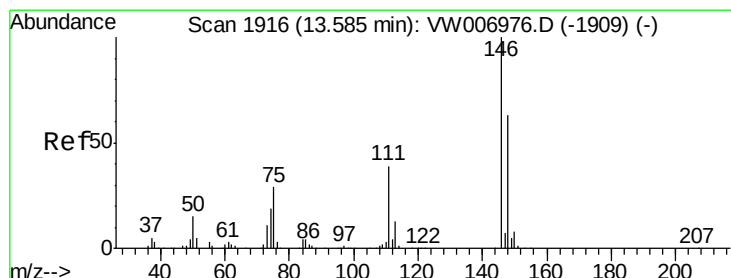
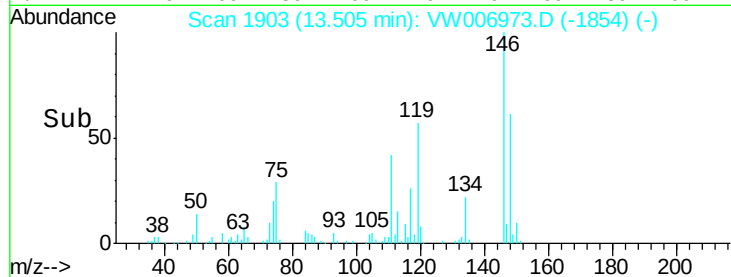
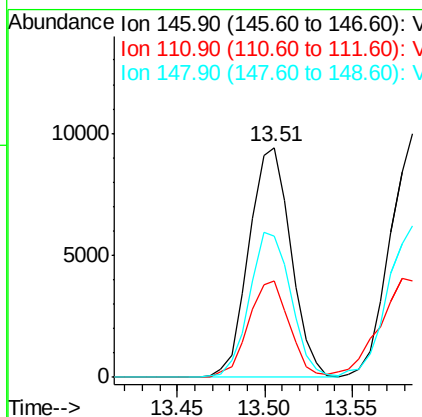
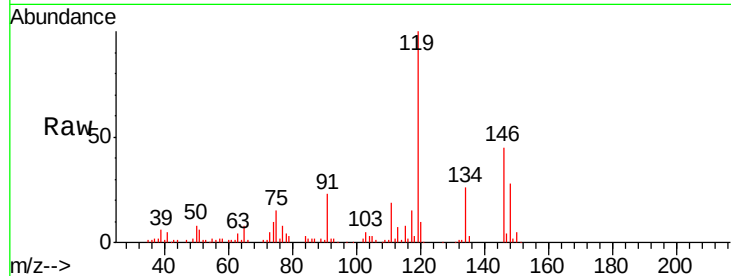
#87
 1,3-Dichlorobenzene
 Concen: 5.07 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.1	63.3
148	62.7	31.6	94.8

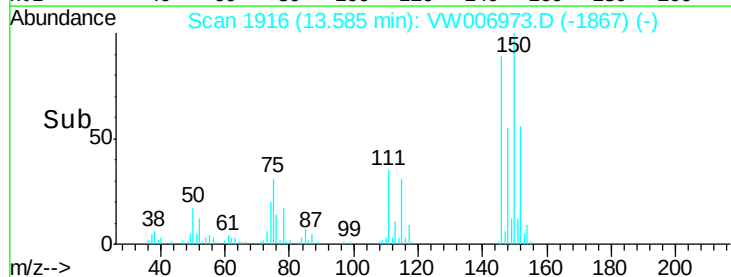
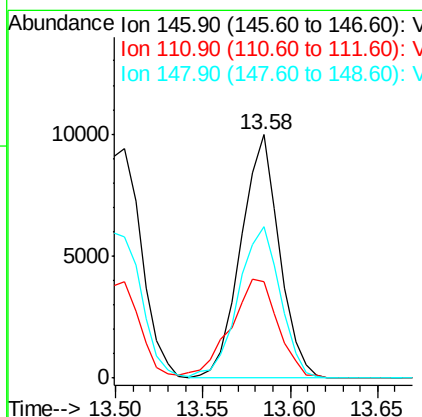
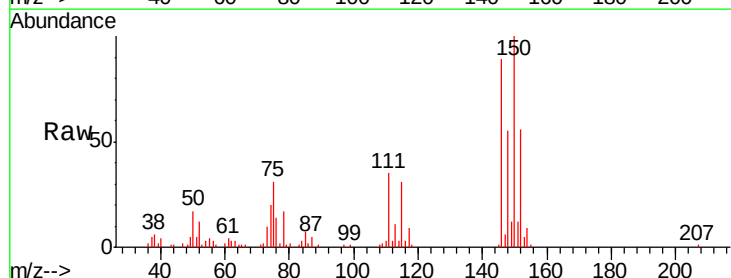
Manual Integrations
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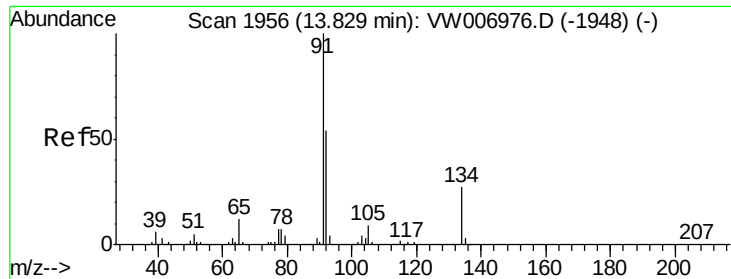
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#88
 1,4-Dichlorobenzene
 Concen: 4.95 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.3	20.6	61.8
148	67.6	32.3	96.8





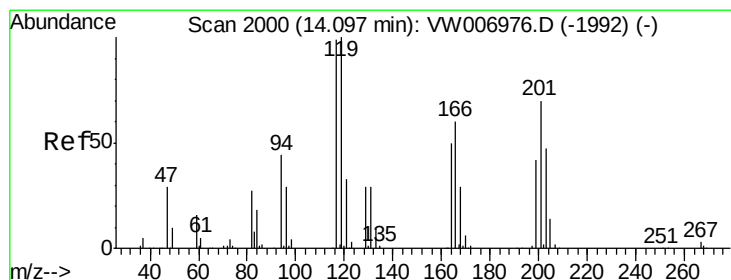
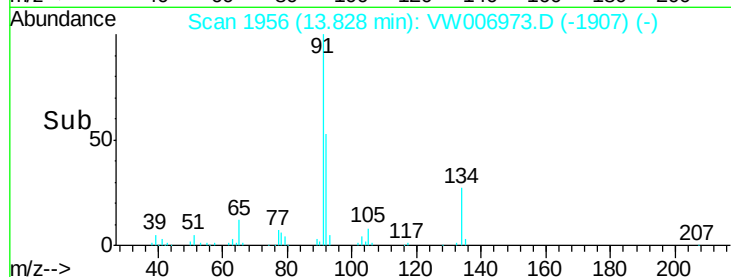
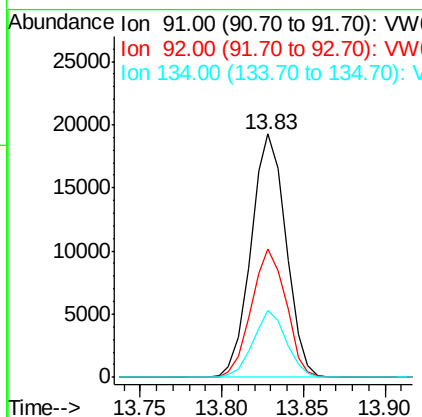
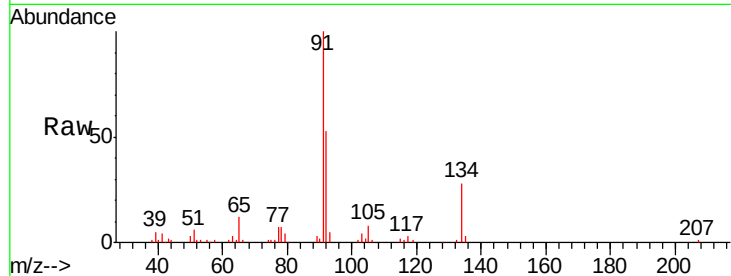
#89
n-Butylbenzene
Concen: 4.65 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.8	80.4
134	26.1	13.3	39.8

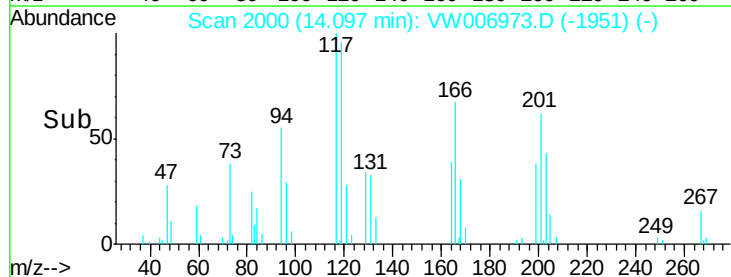
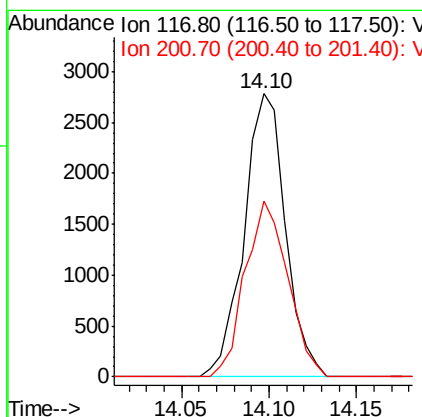
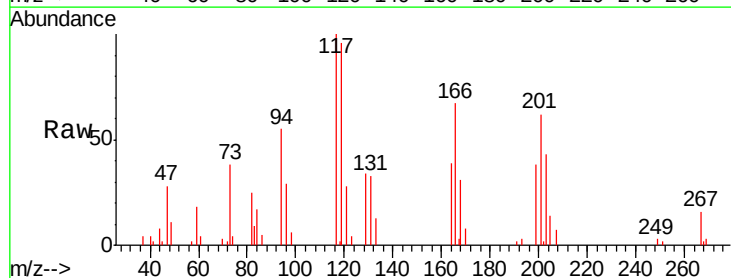
Manual Integrations
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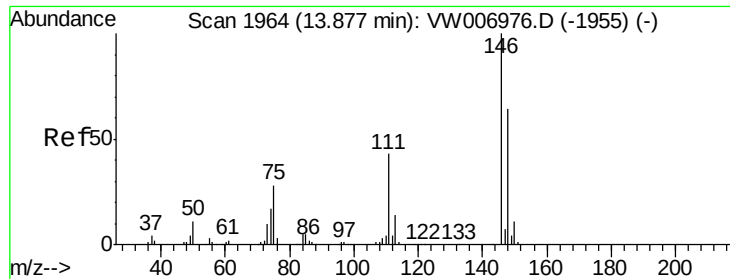
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11/21/2018 11:32:32 AM



#90
Hexachloroethane
Concen: 4.75 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.4	35.9	107.5





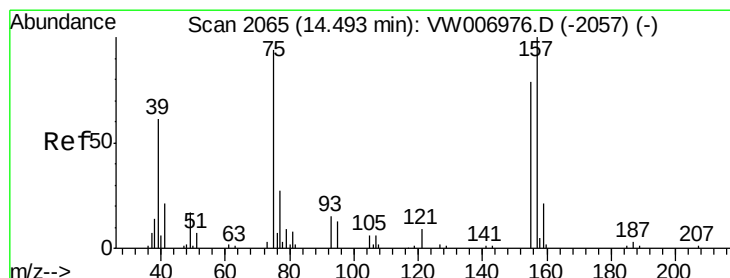
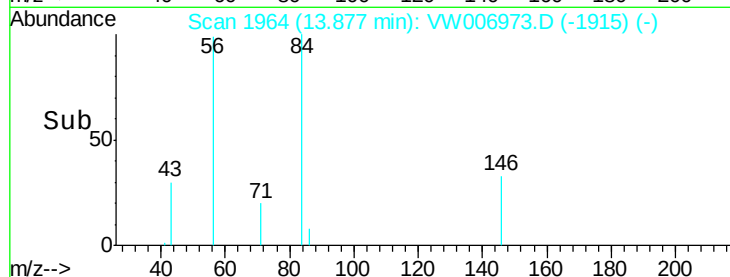
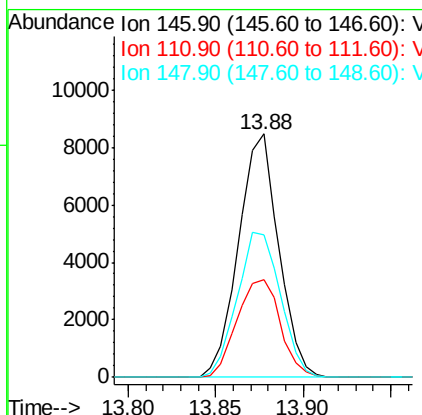
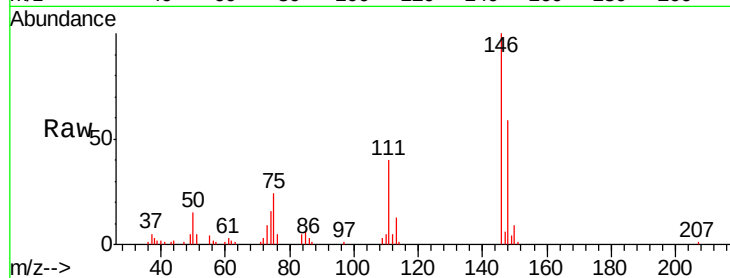
#91
 1,2-Dichlorobenzene
 Concen: 4.99 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.7
148	64.1	32.2	96.6

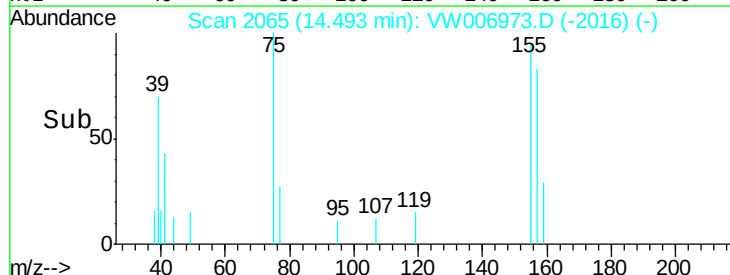
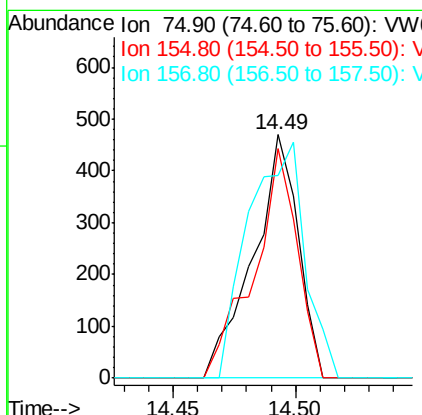
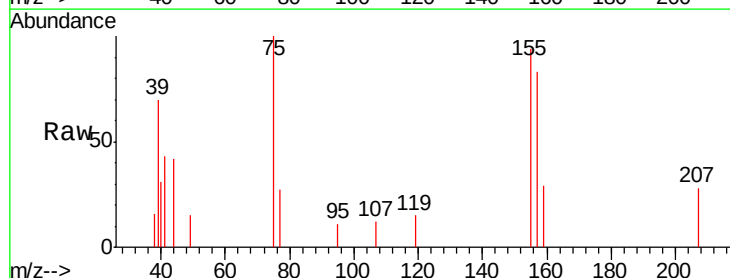
Manual Integrations
 APPROVED

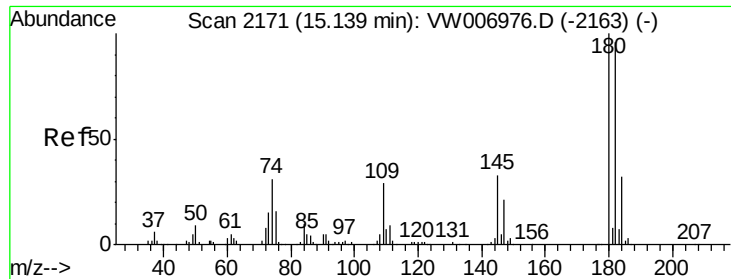
MMDadoda
 11/21/2018 11:32:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.81 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006973.D
 Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	42.6	127.8
157	121.0	55.0	165.0





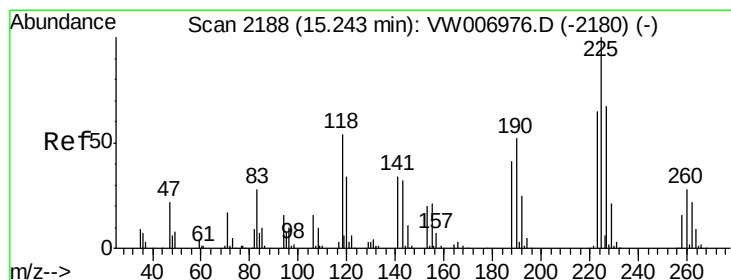
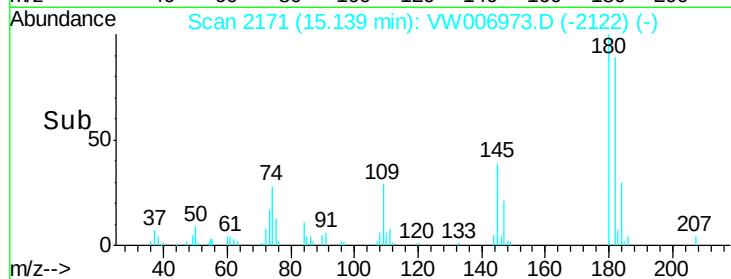
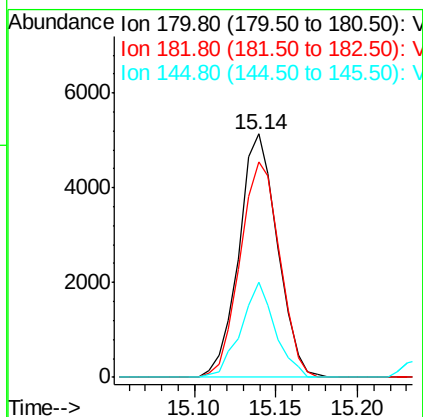
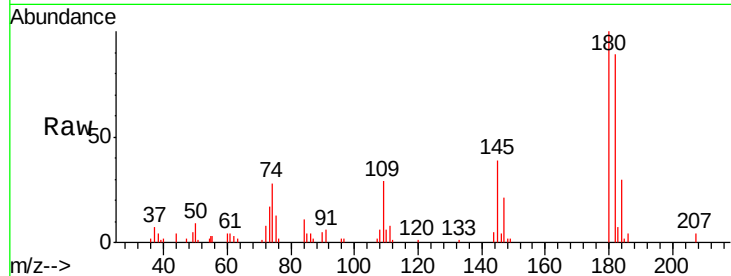
#93
1,2,4-Trichlorobenzene
Concen: 4.73 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.1	141.3
145	34.9	16.5	49.5

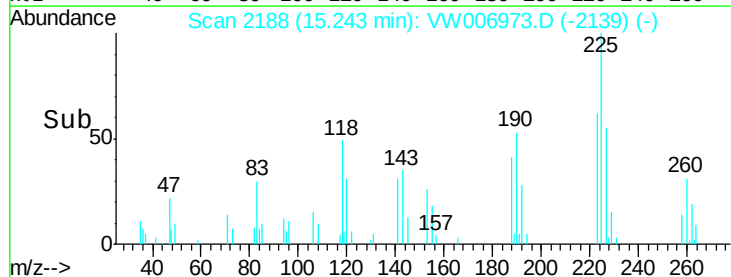
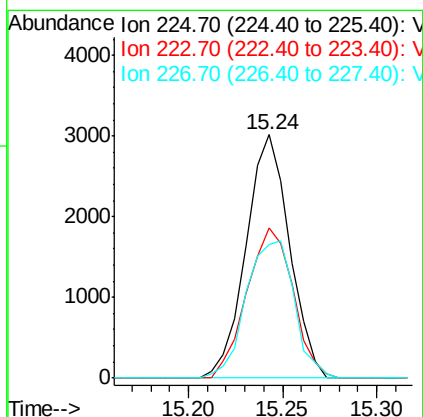
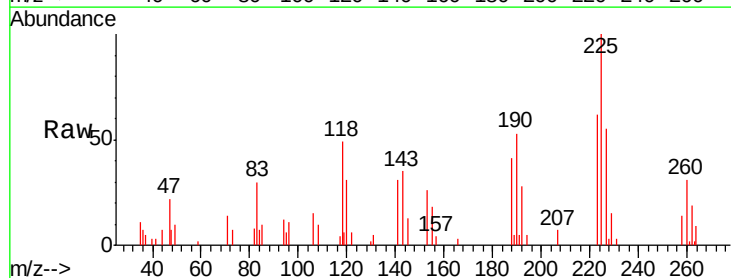
Manual Integrations
APPROVED

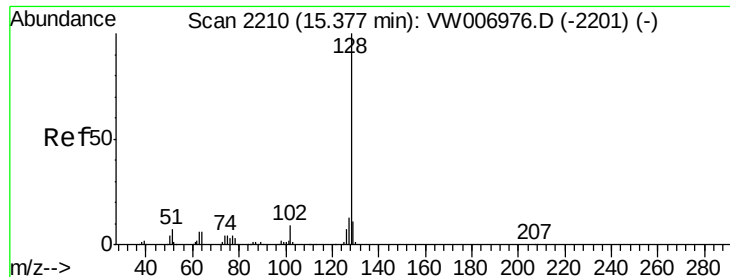
MMDadoda
11/21/2018 11:32:32 AM



#94
Hexachlorobutadiene
Concen: 4.95 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	32.4	97.0
227	62.7	31.9	95.5





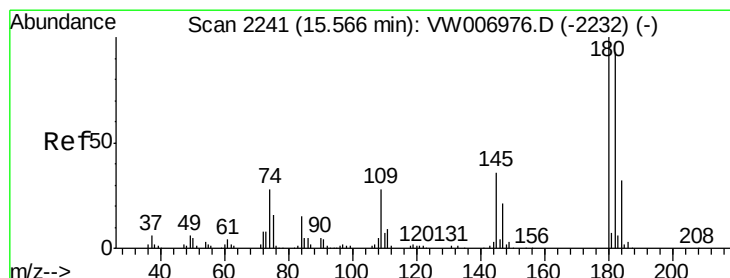
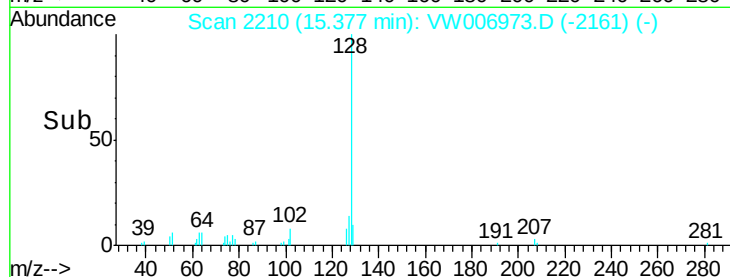
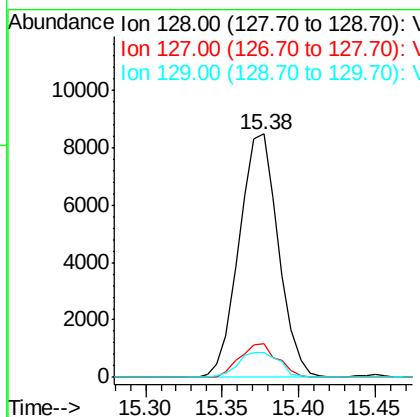
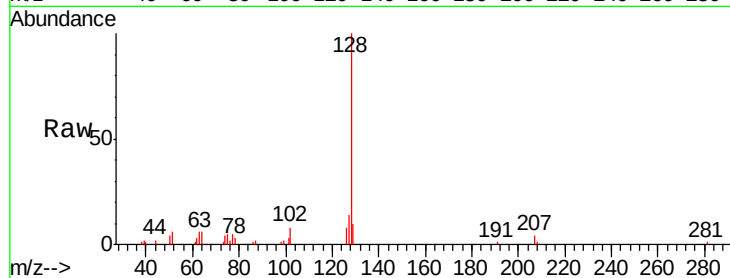
#95
Naphthalene
Concen: 4.64 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.66 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006973.D
Acq: 20 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.0	141.2
145	34.8	18.0	54.0

