

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008772.D
 Acq On : 21 Feb 2019 16:21
 Operator : SY/VA
 Sample : VW0221SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:25:51 PM

Quant Time: Feb 22 01:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	319988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	467953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	433260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	163688	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
35) Dibromofluoromethane	7.88	113	153431	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
50) Toluene-d8	10.32	98	568174	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.62	95	217505	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	65101	20.313	ug/l	98
3) Chloromethane	2.21	50	81530	20.898	ug/l	96
4) Vinyl Chloride	2.36	62	82676	20.016	ug/l	98
5) Bromomethane	2.75	94	60143	19.603	ug/l	97
6) Chloroethane	2.91	64	61160	20.852	ug/l	99
7) Trichlorofluoromethane	3.25	101	115220	22.055	ug/l	96
8) Diethyl Ether	3.69	74	34536	20.881	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70940	22.362	ug/l	99
10) Methyl Iodide	4.27	142	84515	21.304	ug/l	100
11) Tert butyl alcohol	5.17	59	28148	105.349	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	60926	21.746	ug/l	93
13) Acrolein	3.90	56	26905	107.694	ug/l	95
14) Allyl chloride	4.67	41	105420	21.801	ug/l	99
15) Acrylonitrile	5.38	53	76380	107.607	ug/l	98
16) Acetone	4.13	43	76215	109.559	ug/l	93
17) Carbon Disulfide	4.38	76	190740	20.519	ug/l #	94
18) Methyl Acetate	4.68	43	34486	20.900	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	165947	21.883	ug/l	97
20) Methylene Chloride	4.92	84	78692	19.886	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	72108	22.250	ug/l	88
22) Diisopropyl ether	6.31	45	210516	21.824	ug/l	98
23) Vinyl Acetate	6.26	43	665015	111.583	ug/l	99
24) 1,1-Dichloroethane	6.22	63	120199	21.504	ug/l	97
25) 2-Butanone	7.18	43	108429	111.487	ug/l	96
26) 2,2-Dichloropropane	7.17	77	110927	21.859	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	76657	22.112	ug/l	97
28) Bromochloromethane	7.51	49	48712	20.825	ug/l	97
29) Tetrahydrofuran	7.53	42	65760	106.100	ug/l	97
30) Chloroform	7.68	83	123142	21.475	ug/l	99
31) Cyclohexane	7.95	56	126773	22.406	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	115022	22.057	ug/l	100
36) 1,1-Dichloropropene	8.08	75	102587	22.521	ug/l	99
37) Ethyl Acetate	7.26	43	45542	21.499	ug/l	97
38) Carbon Tetrachloride	8.07	117	104130	21.676	ug/l	96

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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)
39) Methylcyclohexane	9.34	83	121214	21.334	ug/l	97
40) Benzene	8.32	78	267900	21.540	ug/l	100
41) Methacrylonitrile	7.49	41	25825	20.741	ug/l	93
42) 1,2-Dichloroethane	8.40	62	84541	21.458	ug/l	99
43) Isopropyl Acetate	8.43	43	89962	21.279	ug/l	99
44) Trichloroethene	9.09	130	77344	22.075	ug/l	92
45) 1,2-Dichloropropane	9.37	63	65730	21.387	ug/l	98
46) Dibromomethane	9.46	93	36814	21.534	ug/l	98
47) Bromodichloromethane	9.65	83	90966	21.870	ug/l	96
48) Methyl methacrylate	9.43	41	40099	19.804	ug/l	96
49) 1,4-Dioxane	9.45	88	10431	381.016	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	221995	103.427	ug/l	99
52) Toluene	10.39	92	172993	20.495	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	91037	21.474	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	104961	21.708	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	51172	22.072	ug/l	97
56) Ethyl methacrylate	10.65	69	61079	20.278	ug/l	100
57) 1,3-Dichloropropane	10.93	76	88745	21.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	183086	120.855	ug/l	99
59) 2-Hexanone	10.97	43	154589	101.178	ug/l	99
60) Dibromochloromethane	11.13	129	59412	21.010	ug/l	98
61) 1,2-Dibromoethane	11.24	107	49007	21.355	ug/l	99
64) Tetrachloroethene	10.86	164	66613	21.479	ug/l	97
65) Chlorobenzene	11.66	112	194017	21.297	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	66578	21.614	ug/l	98
67) Ethyl Benzene	11.73	91	343528	21.094	ug/l	98
68) m/p-Xylenes	11.84	106	273663	42.056	ug/l	99
69) o-Xylene	12.16	106	127687	20.906	ug/l	99
70) Styrene	12.18	104	203013	20.661	ug/l	99
71) Bromoform	12.35	173	34745	20.984	ug/l #	100
73) Isopropylbenzene	12.47	105	351463	22.136	ug/l	100
74) N-amyl acetate	12.27	43	82069	20.520	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	56285	21.695	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31842m	16.652	ug/l	
77) Bromobenzene	12.75	156	81632	21.756	ug/l	98
78) n-propylbenzene	12.80	91	429129	22.095	ug/l	99
79) 2-Chlorotoluene	12.90	91	240476	21.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	304555	22.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15978	20.313	ug/l	96
82) 4-Chlorotoluene	12.99	91	249516	21.472	ug/l	100
83) tert-Butylbenzene	13.21	119	258022	21.627	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	304792	21.339	ug/l	99
85) sec-Butylbenzene	13.38	105	374345	21.821	ug/l	100
86) p-Isopropyltoluene	13.50	119	335537	21.335	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	166838	21.432	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	167848	21.877	ug/l	100
89) n-Butylbenzene	13.83	91	317127	21.524	ug/l	99
90) Hexachloroethane	14.10	117	53412	20.746	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	148028	21.341	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9970	21.244	ug/l	94

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ClientSampleId :
VW0221SBSD01

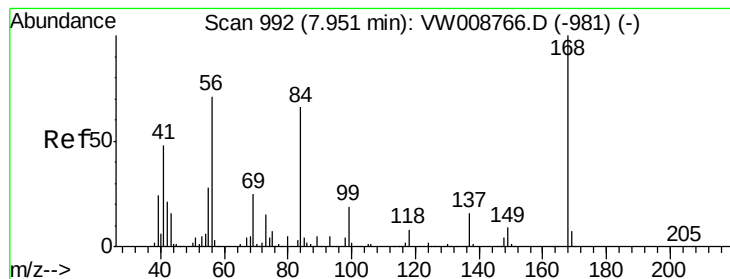
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	105537	21.117	ug/l	98
94) Hexachlorobutadiene	15.24	225	60323	20.491	ug/l	96
95) Naphthalene	15.37	128	179772	21.127	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	91981	21.286	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion:168 Resp: 319988

Ion Ratio Lower Upper

168 100

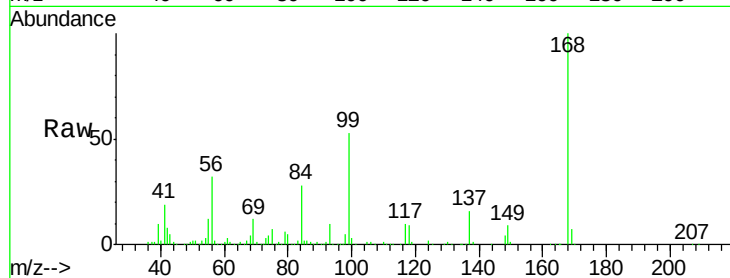
99 53.3 42.2 63.2

Manual Integrations

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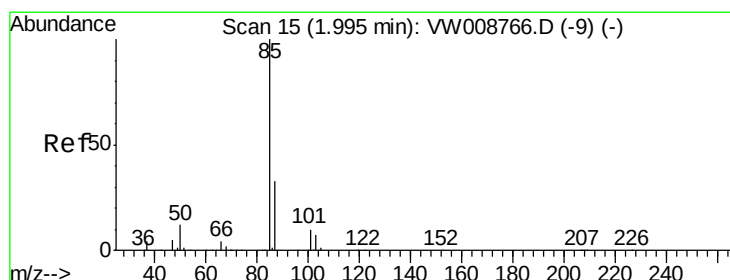
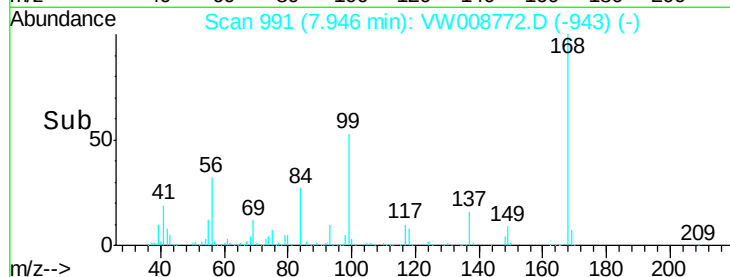
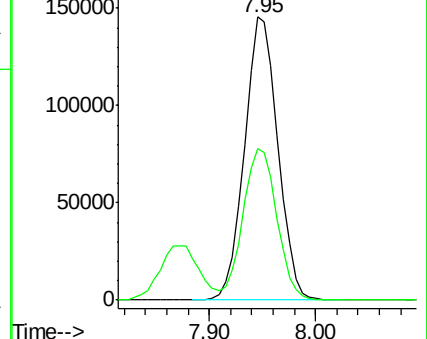
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.313 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008772.D

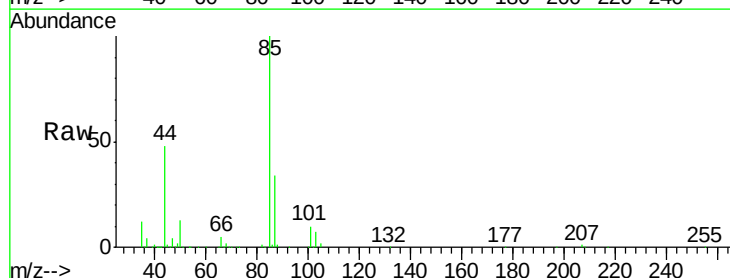
Acq: 21 Feb 2019 16:21

Tgt Ion: 85 Resp: 65101

Ion Ratio Lower Upper

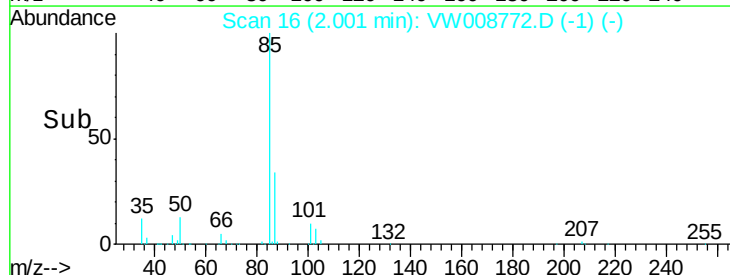
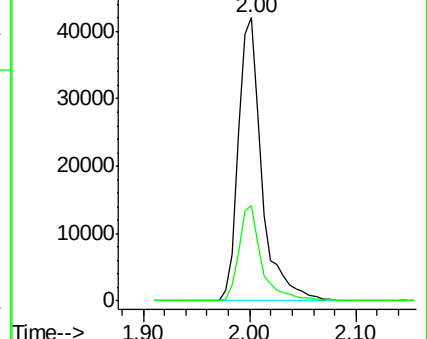
85 100

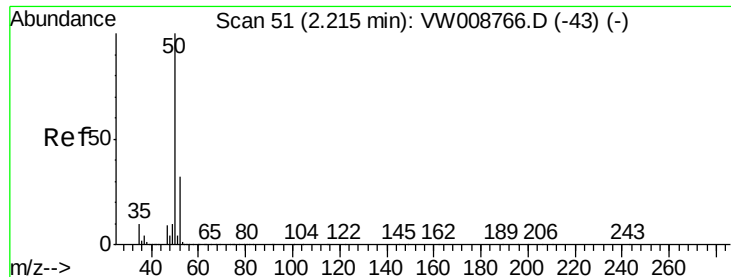
87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.898 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBSD01

Tot Ion: 50 Resp: 81530

Ion Ratio Lower Upper

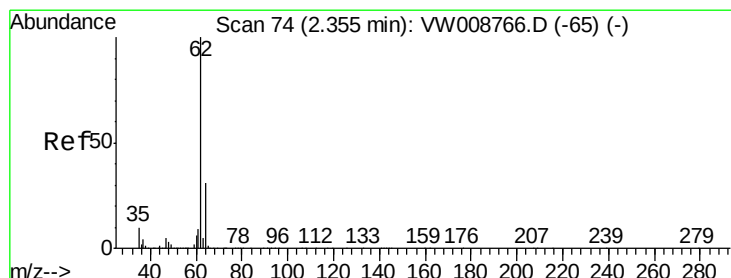
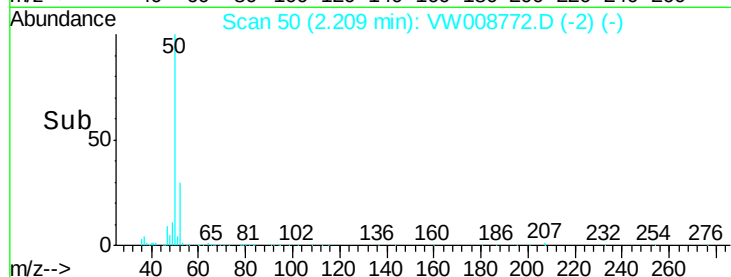
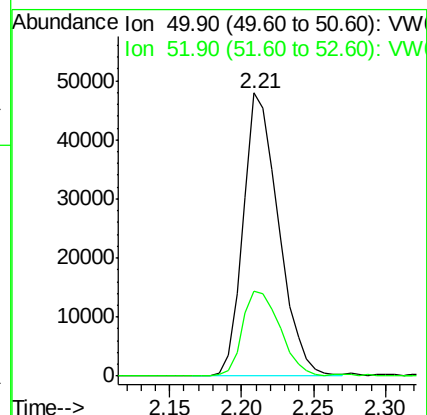
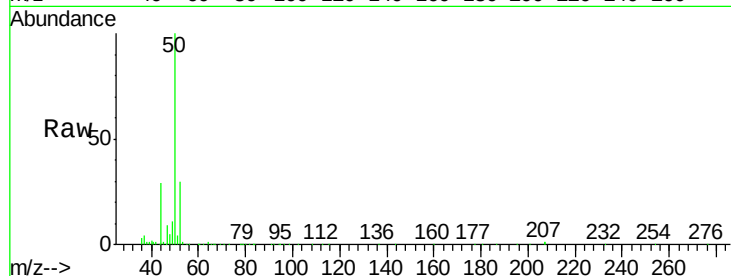
50 100

52 30.1 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.016 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008772.D

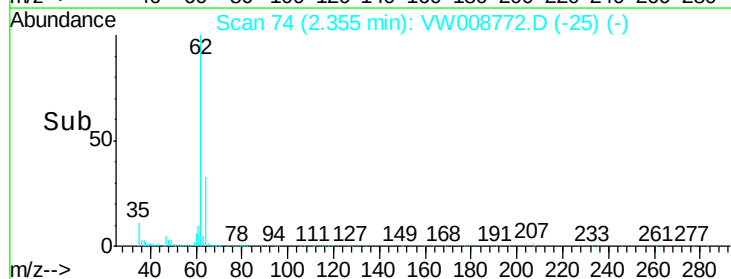
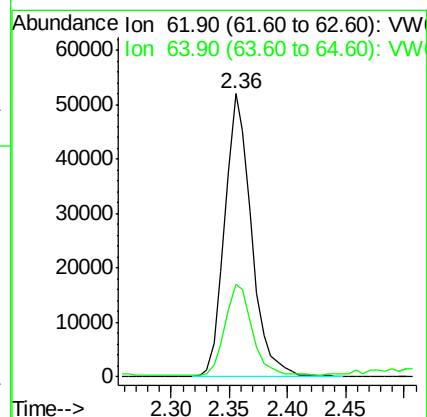
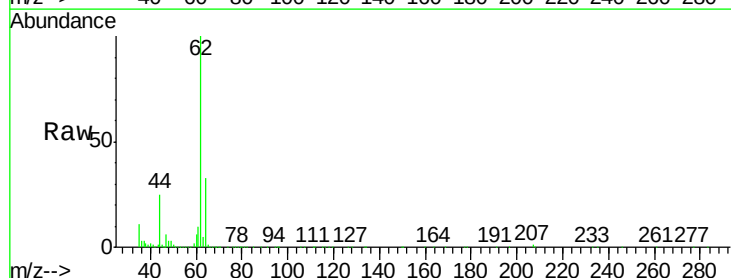
Acq: 21 Feb 2019 16:21

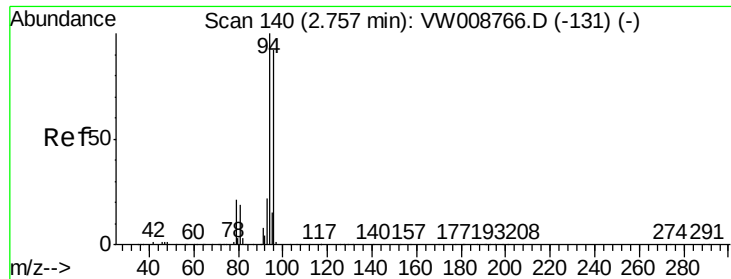
Tgt Ion: 62 Resp: 82676

Ion Ratio Lower Upper

62 100

64 32.2 24.9 37.3





#5

Bromomethane

Concen: 19.603 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampled :

VW0221SBS01

Tot Ion: 94 Resp: 60143

Ion Ratio Lower Upper

94 100

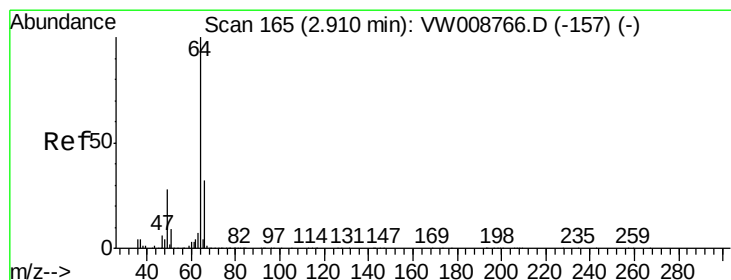
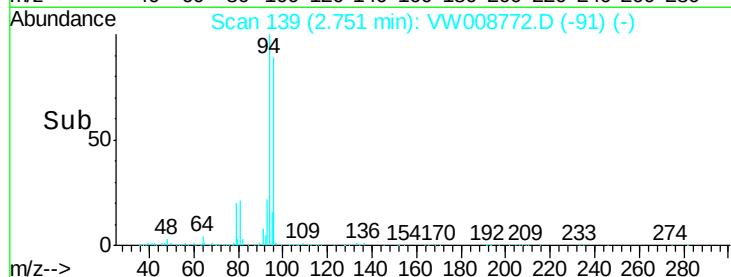
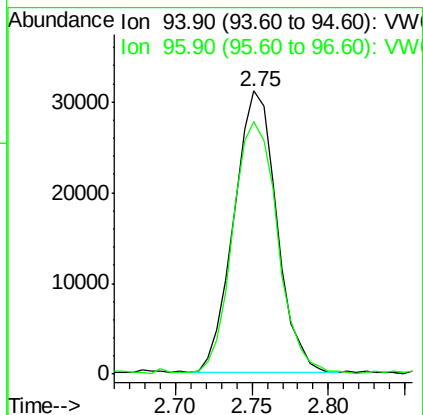
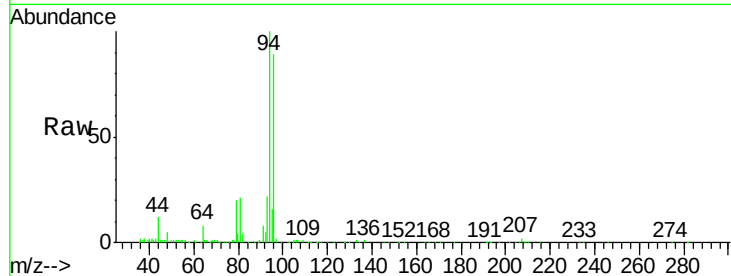
96 89.2 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 20.852 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008772.D

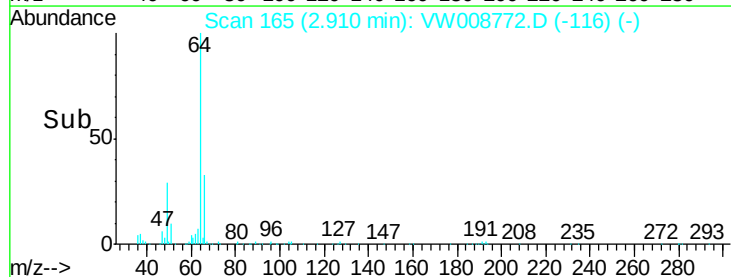
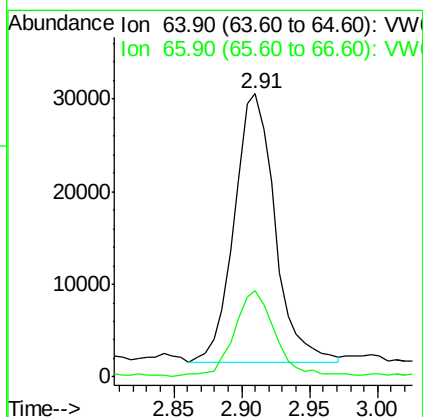
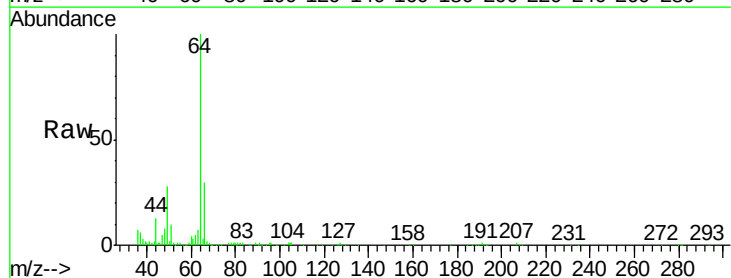
Acq: 21 Feb 2019 16:21

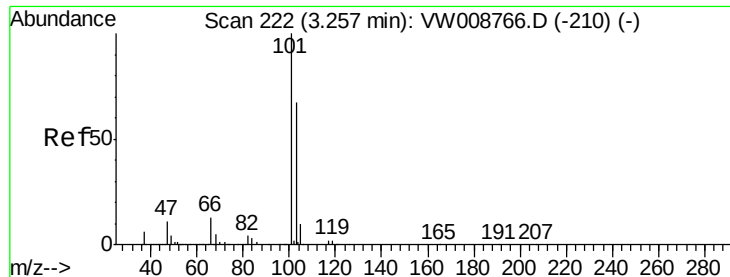
Tgt Ion: 64 Resp: 61160

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3





#7

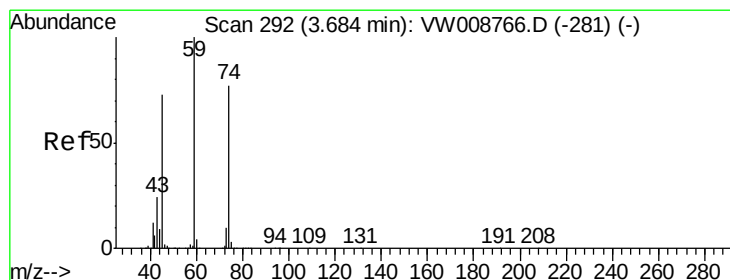
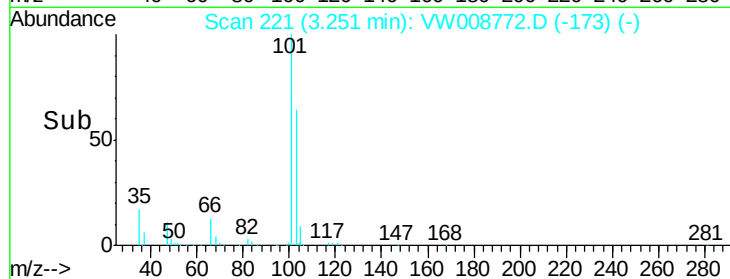
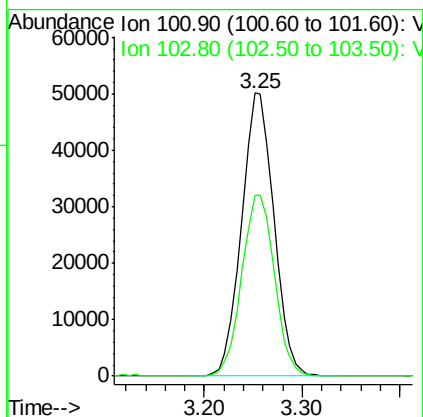
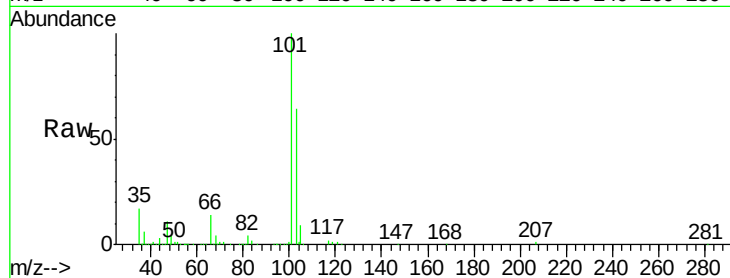
Trichlorofluoromethane
 Concen: 22.055 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

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 VW0221SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		115220		
103	63.9	53.9	80.9		

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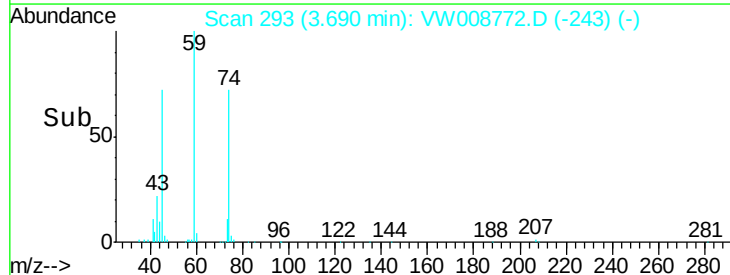
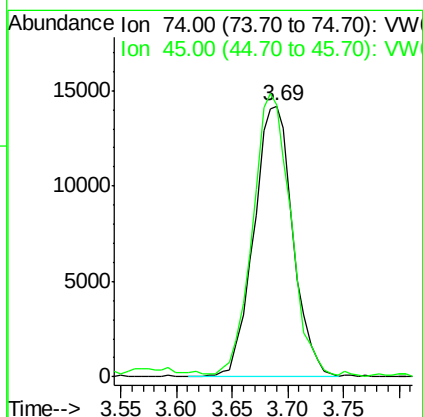
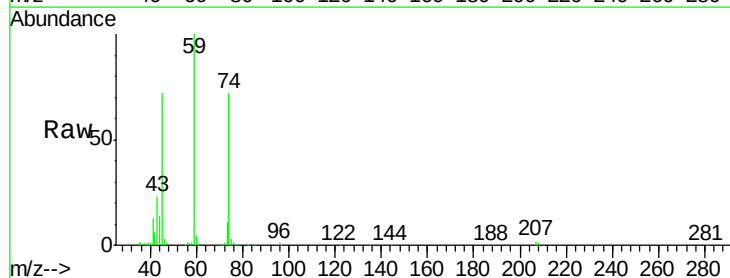
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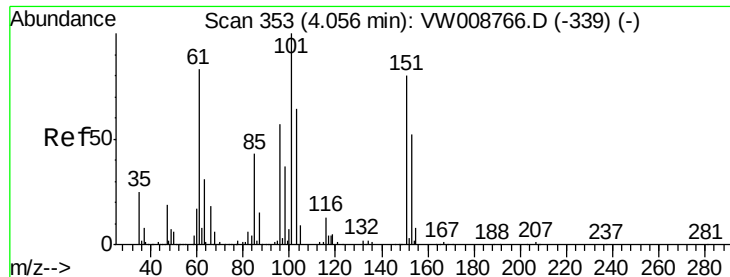


#8

Diethyl Ether
 Concen: 20.881 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		34536		
45	101.7	50.2	150.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.362 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

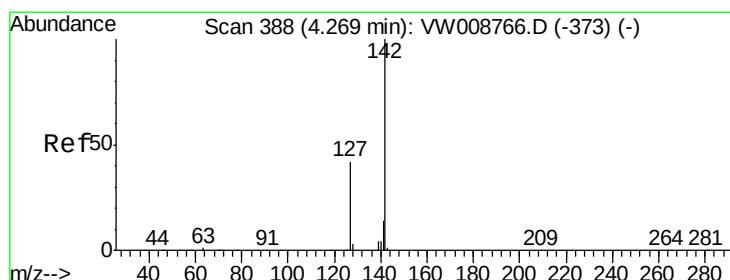
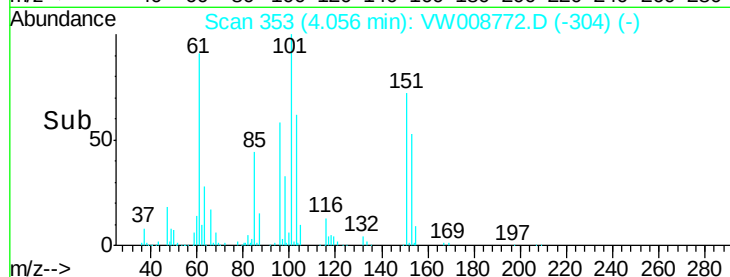
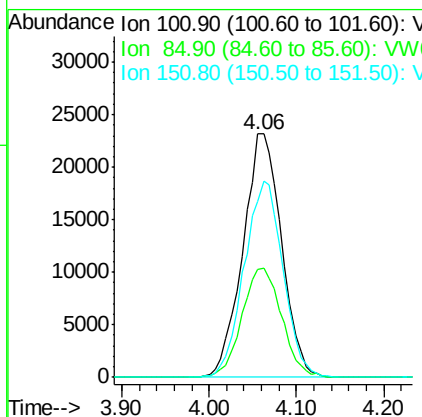
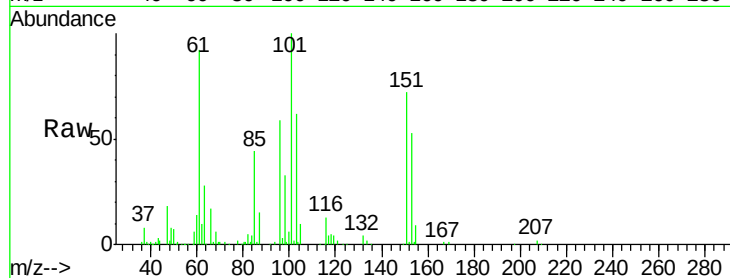
ClientSampleId :

VW0221SBS01

Tot Ion:	101	Resp:	70940
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.0	54.0
151	81.2	65.5	98.3

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#10

Methyl Iodide

Concen: 21.304 ug/l

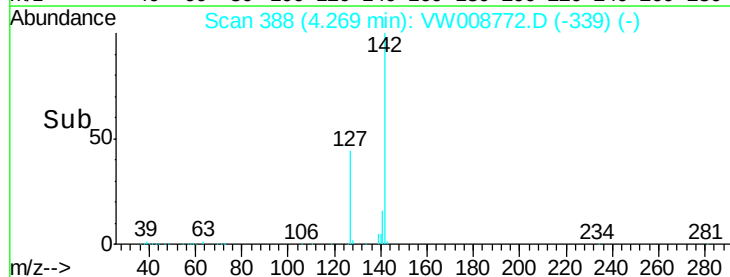
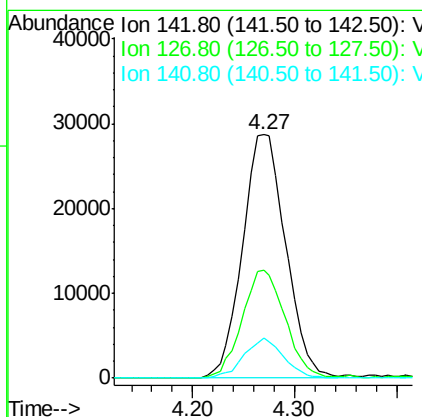
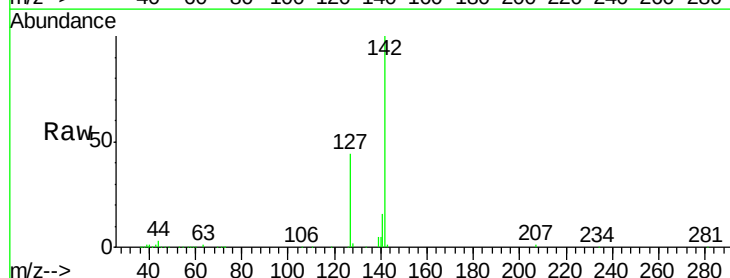
RT: 4.27 min Scan# 388

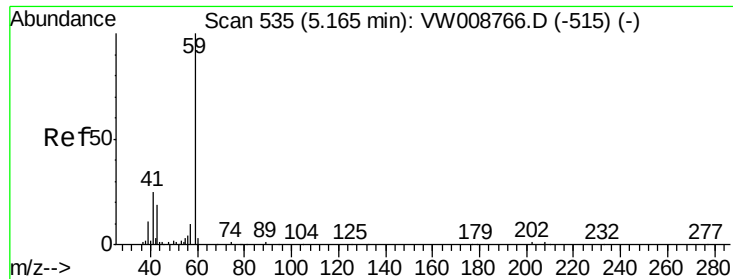
Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion:	142	Resp:	84515
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.3	52.9
141	15.0	11.7	17.5





#11

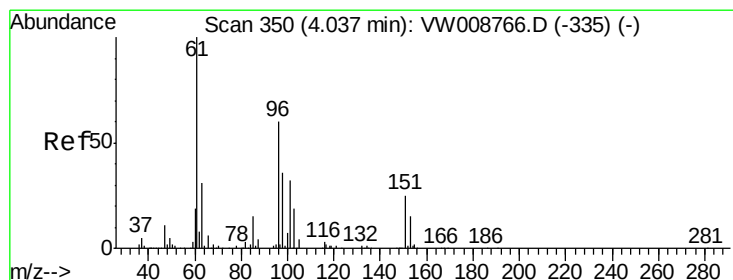
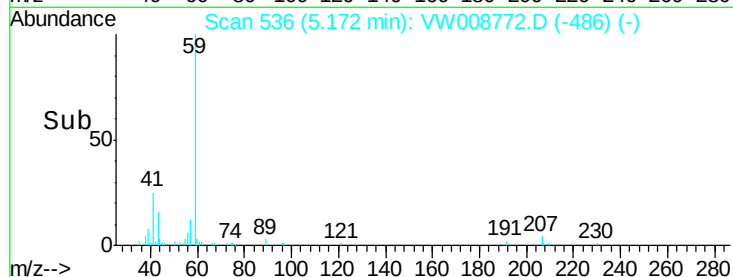
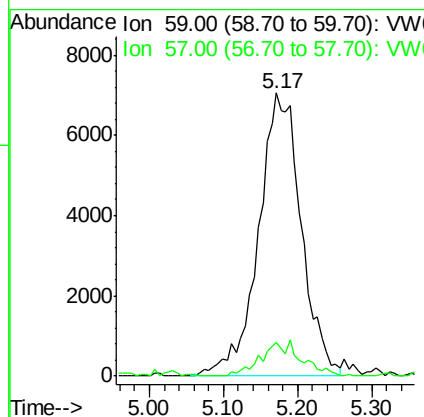
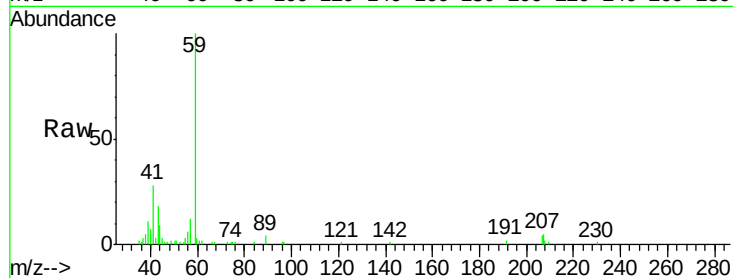
Tert butyl alcohol
Concen: 105.349 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.9	9.3	13.9#

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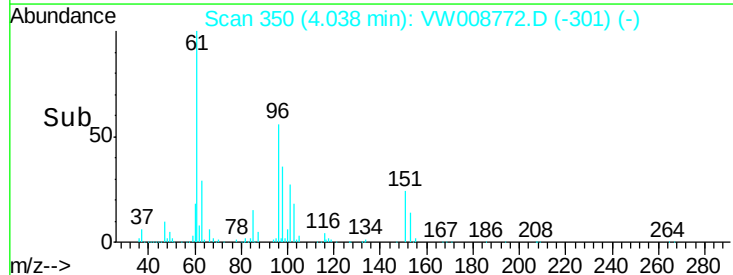
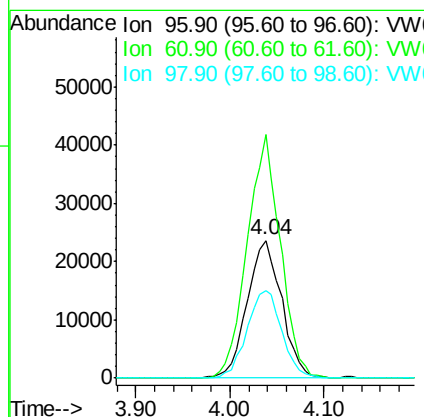
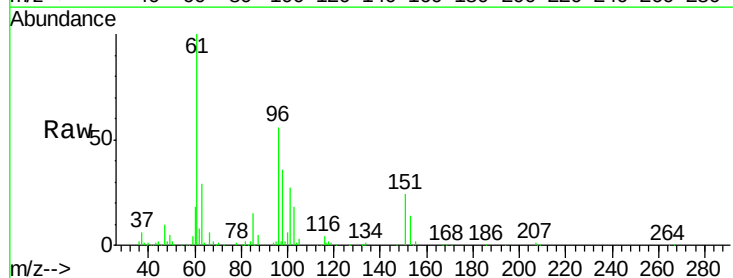
MMDadoda
2/22/2019 12:25:51 PM

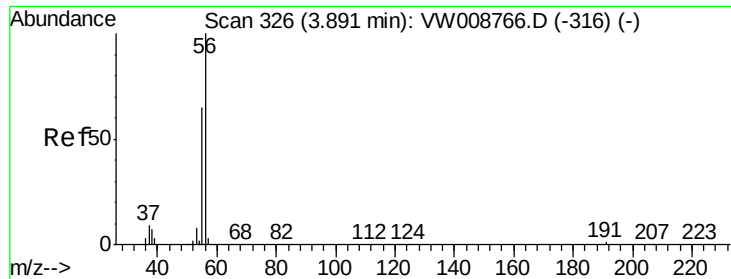


#12

1,1-Dichloroethene
Concen: 21.746 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.1	132.5	198.7
98	63.6	48.2	72.4





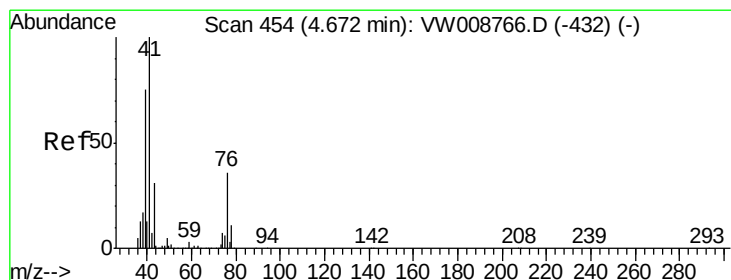
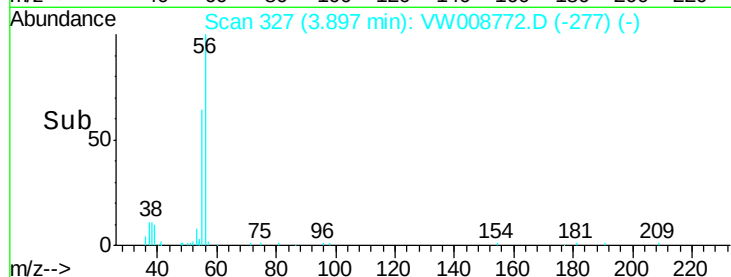
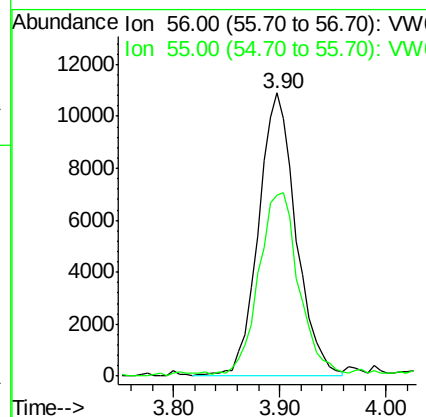
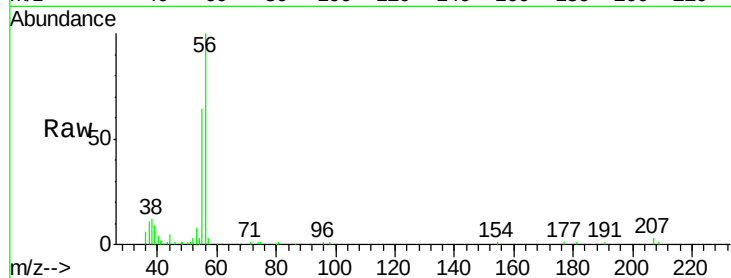
#13
Acrolein
Concen: 107.694 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	67.3	56.9	85.3

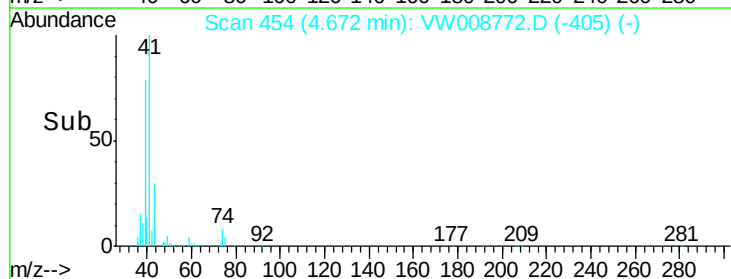
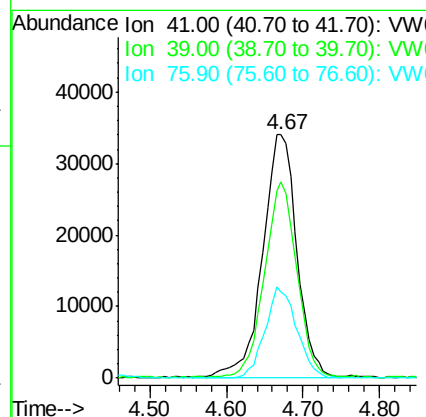
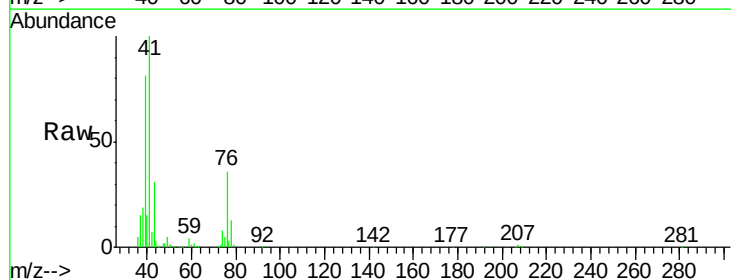
Manual Integrations
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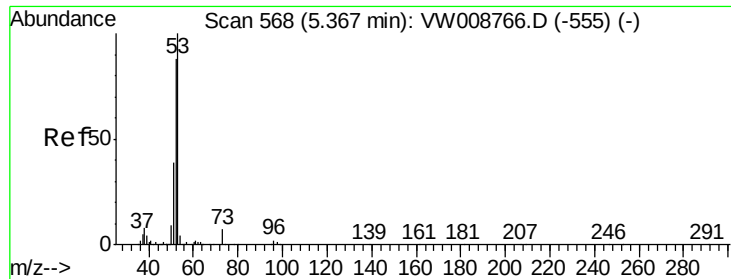
MMDadoda
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#14
Allyl chloride
Concen: 21.801 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	76.5	60.6	91.0
76	76	34.8	28.6	42.8





#15

Acrylonitrile

Concen: 107.607 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

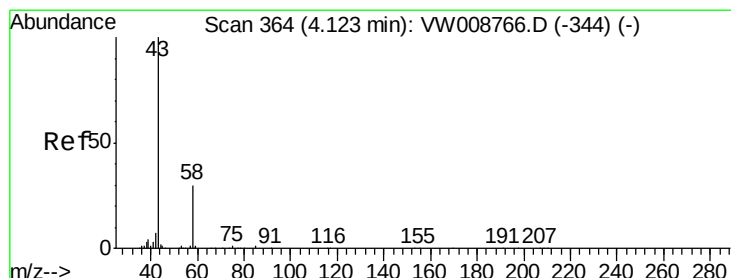
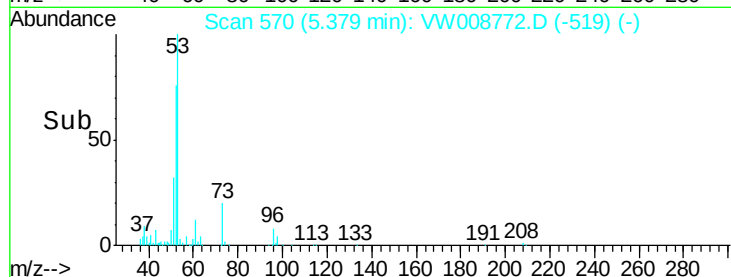
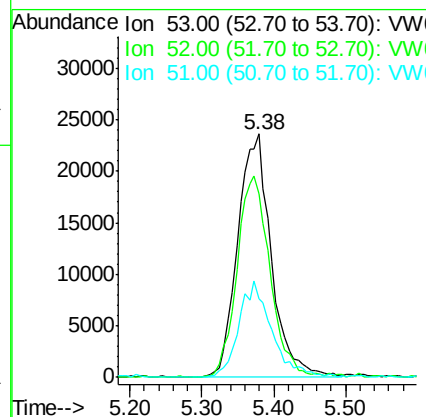
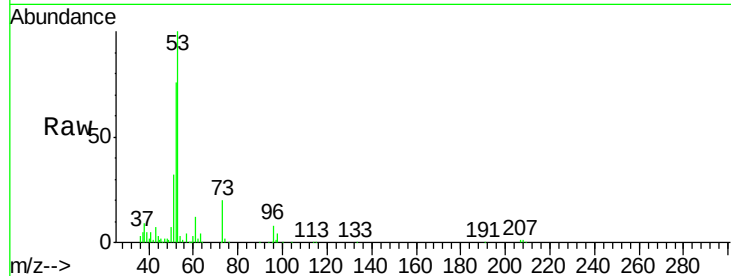
ClientSampleId :

VW0221SBS01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	81.6	67.2	100.8	
51	38.6	31.1	46.7	

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#16

Acetone

Concen: 109.559 ug/l

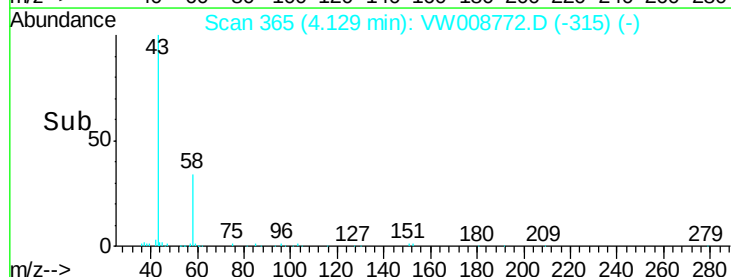
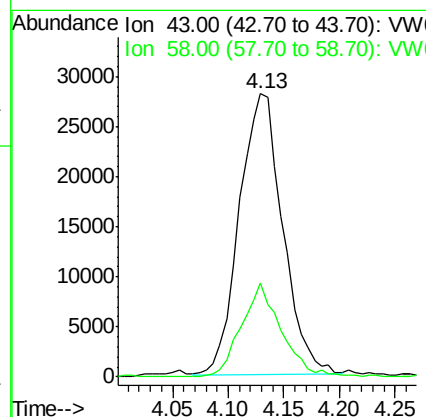
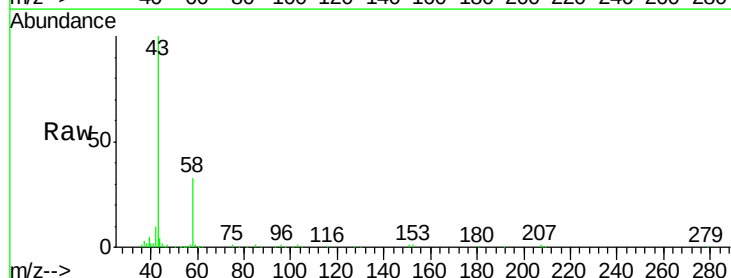
RT: 4.13 min Scan# 365

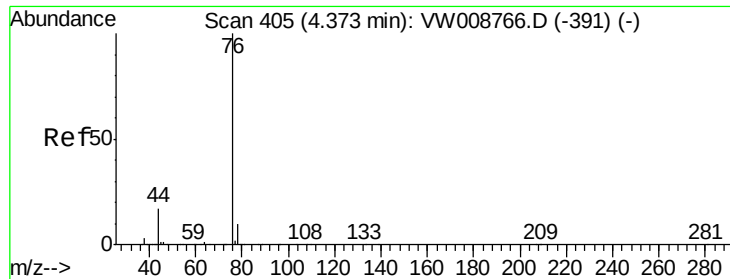
Delta R.T. 0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	33.6	23.8	35.6	





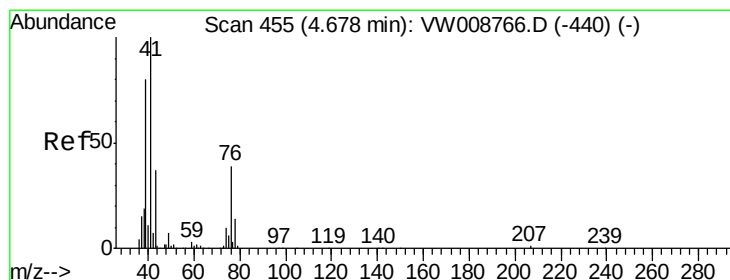
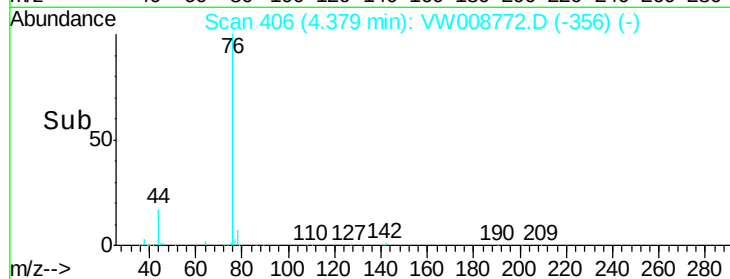
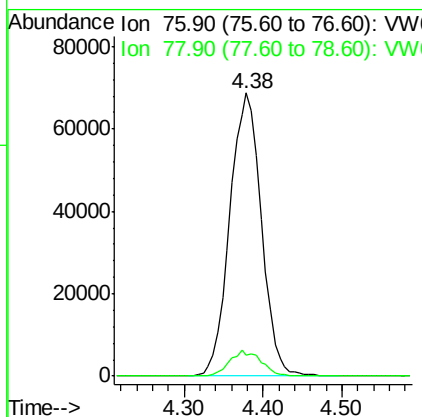
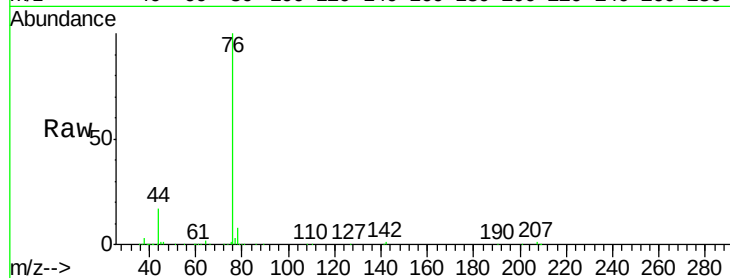
#17
Carbon Disulfide
Concen: 20.519 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	190740		
78	7.6		7.8	11.8#

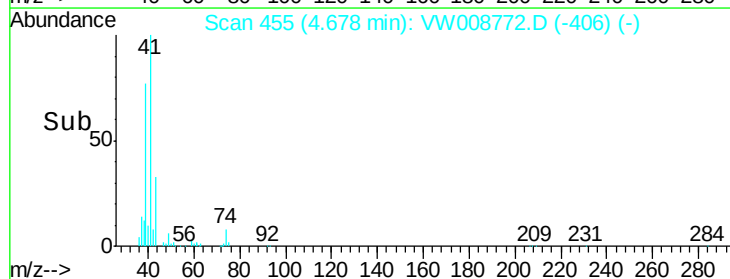
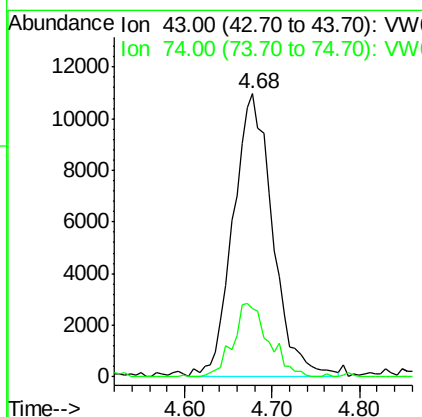
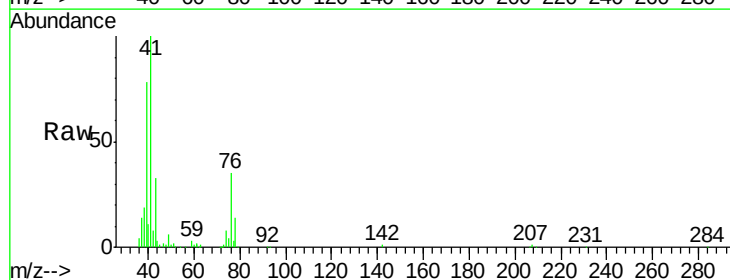
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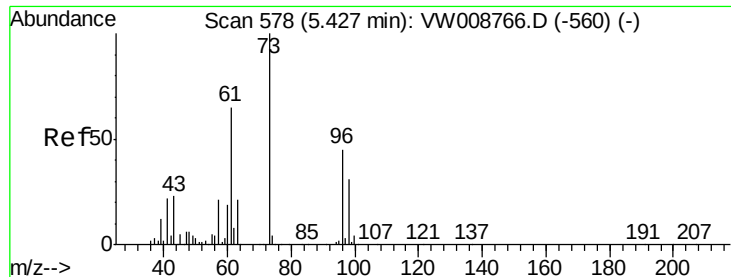
MMDadoda
2/22/2019 12:25:51 PM



#18
Methyl Acetate
Concen: 20.900 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	34486		
74	23.4		19.4	29.2





#19

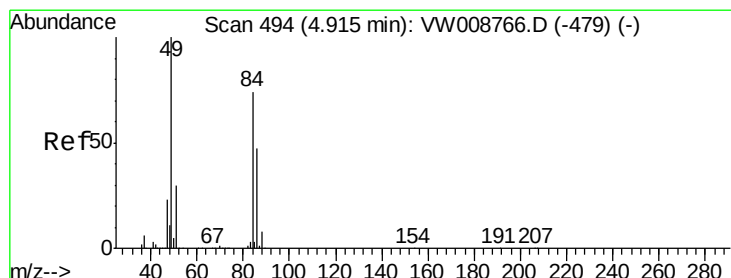
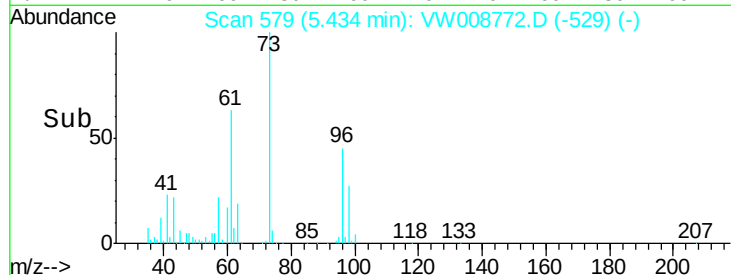
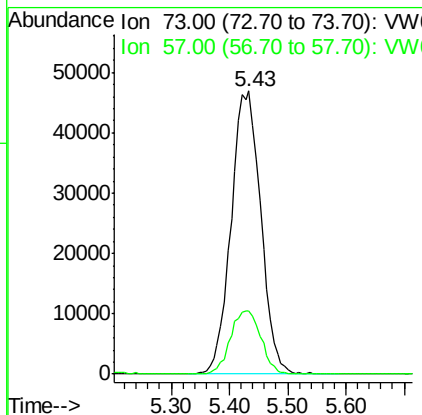
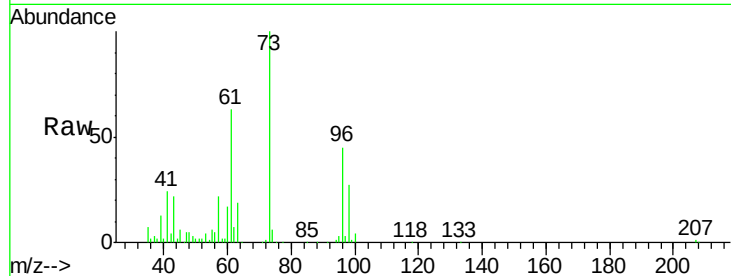
Methyl tert-butyl Ether
 Concen: 21.883 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBSD01

Tot Ion: 73 Resp: 165947
 Ion Ratio Lower Upper
 73 100
 57 22.4 16.8 25.2

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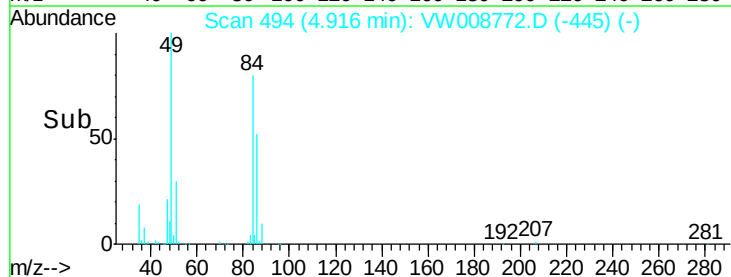
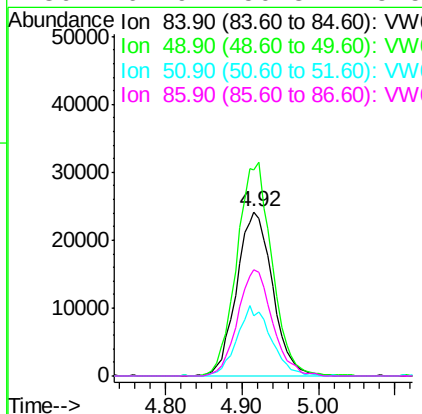
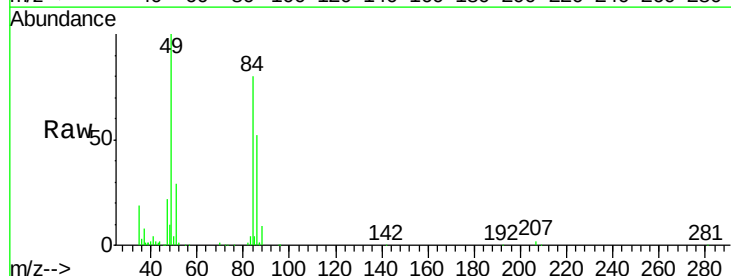
MMDadoda
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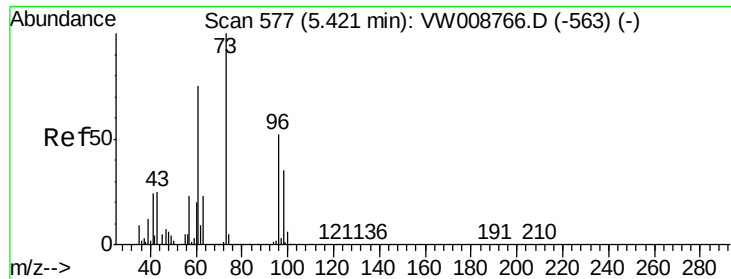


#20

Methylene Chloride
 Concen: 19.886 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion: 84 Resp: 78692
 Ion Ratio Lower Upper
 84 100
 49 125.0 108.2 162.2
 51 36.7 32.7 49.1
 86 64.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 22.250 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

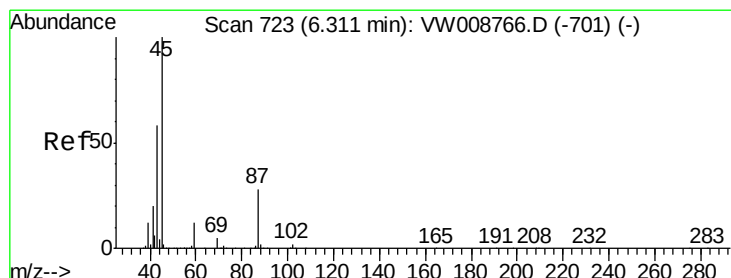
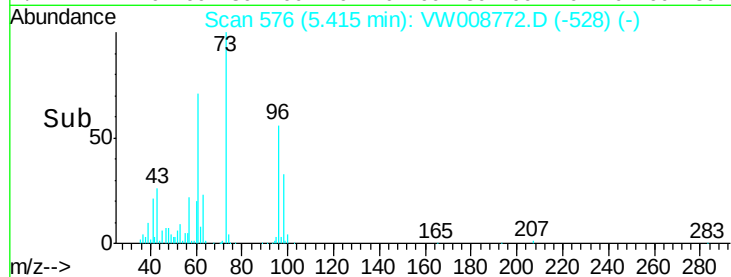
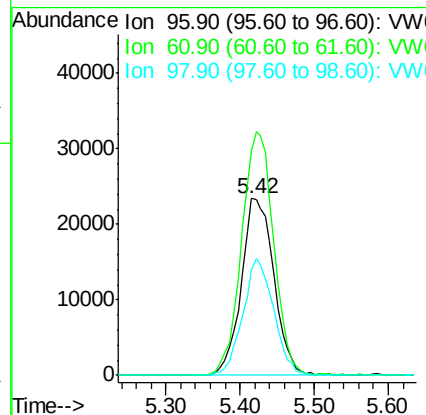
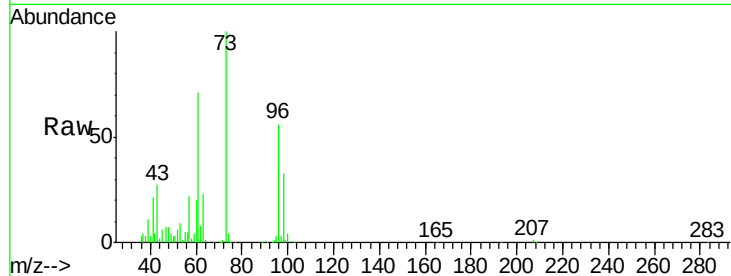
ClientSampleId :

VW0221SBSD01

Tot Ion:	96	Resp:	72108
Ion Ratio	Lower	Upper	
96	100		
61	127.1	114.6	171.8
98	59.4	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.824 ug/l

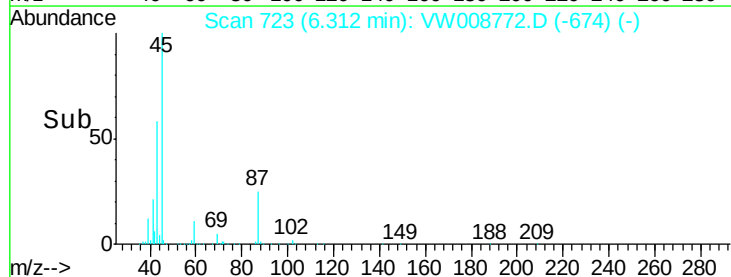
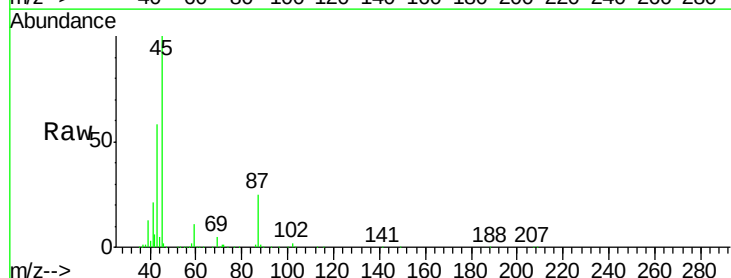
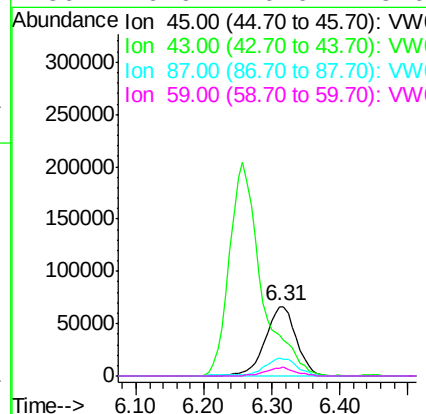
RT: 6.31 min Scan# 723

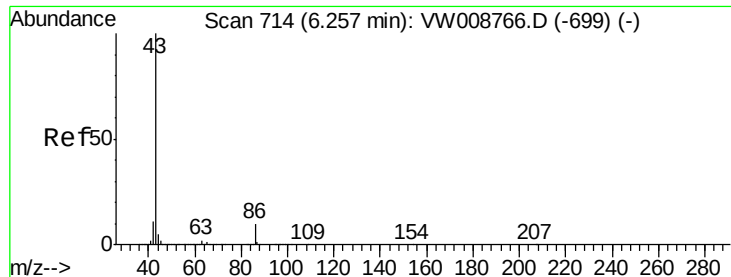
Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion:	45	Resp:	210516
Ion Ratio	Lower	Upper	
45	100		
43	57.8	46.1	69.1
87	24.9	22.2	33.4
59	10.9	10.0	15.0





#23

Vinyl Acetate

Concen: 111.583 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 43 Resp: 665015

Ion Ratio Lower Upper

43 100

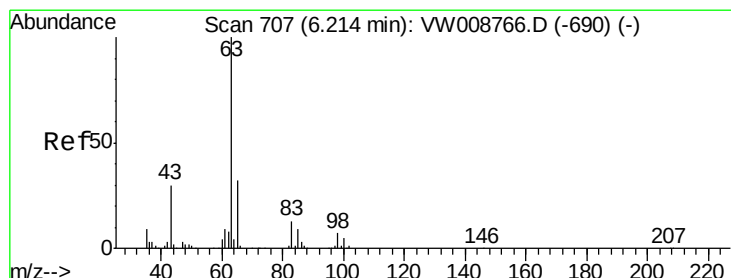
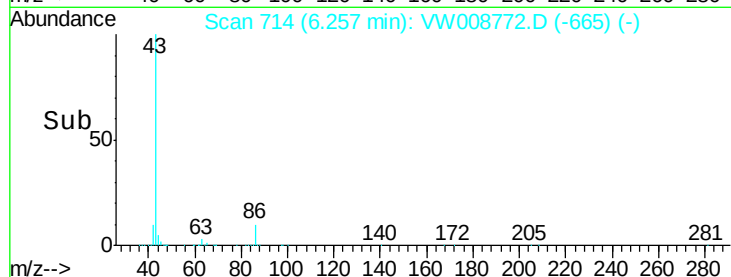
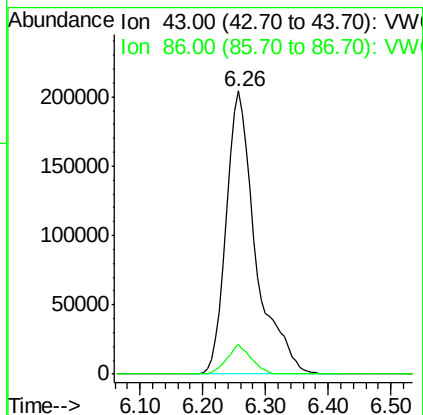
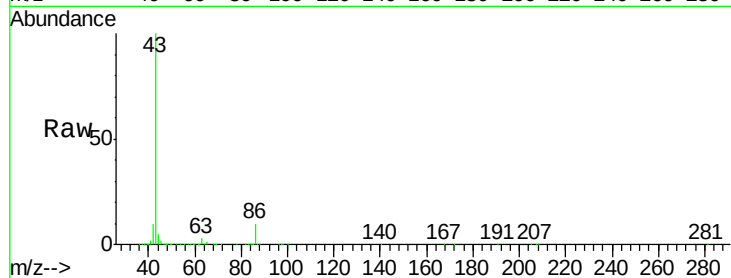
86 10.5 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 21.504 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

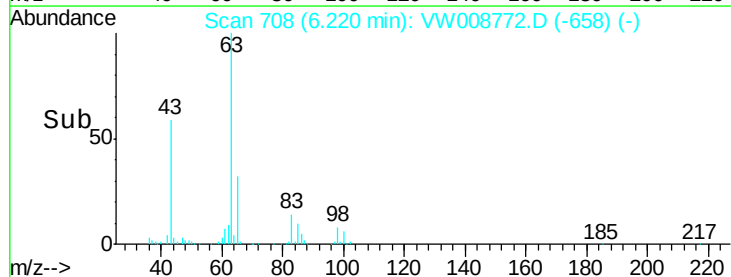
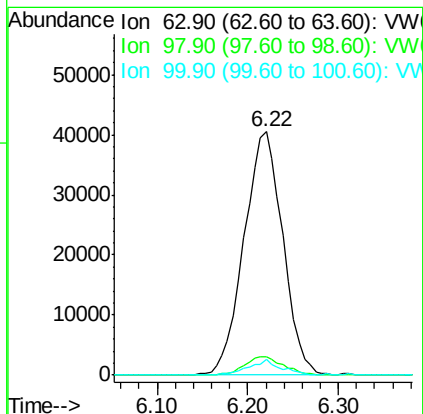
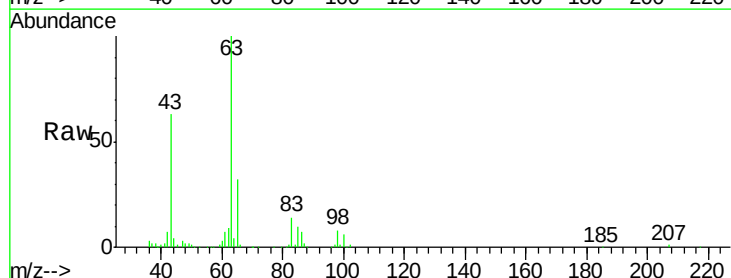
Tgt Ion: 63 Resp: 120199

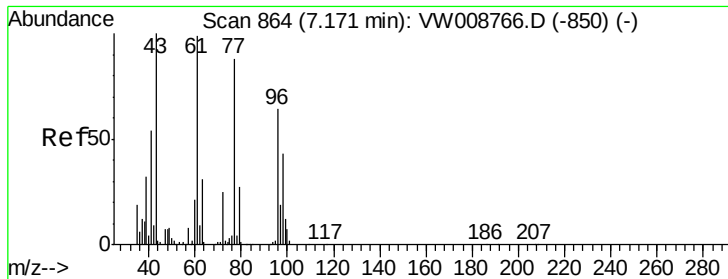
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.6

100 6.4 2.4 7.2





#25

2-Butanone

Concen: 111.487 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBSD01

Tot Ion: 43 Resp: 108429

Ion Ratio Lower Upper

43 100

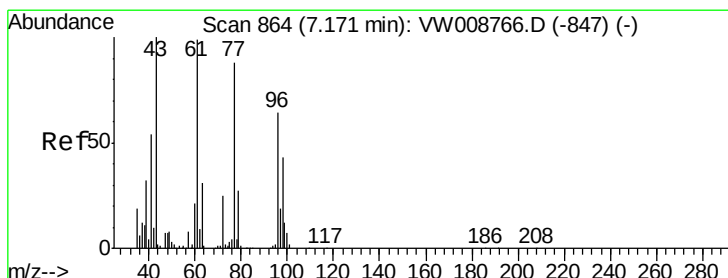
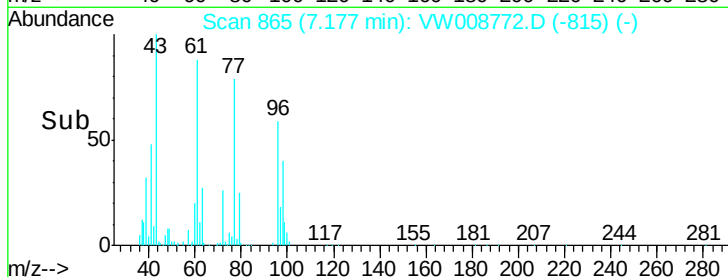
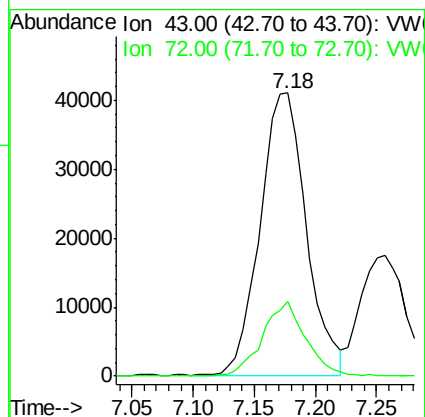
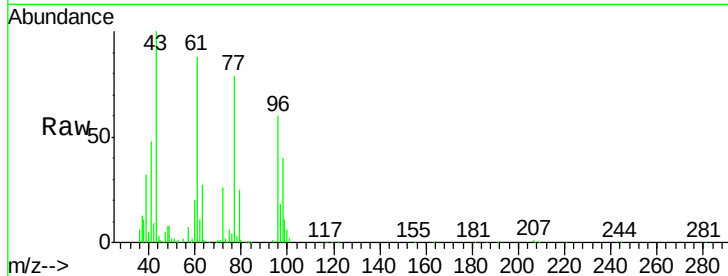
72 26.5 19.7 29.5

Manual Integrations

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2/22/2019 12:25:51 PM



#26

2,2-Dichloropropane

Concen: 21.859 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008772.D

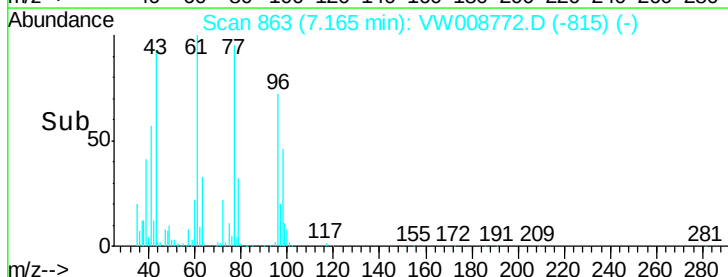
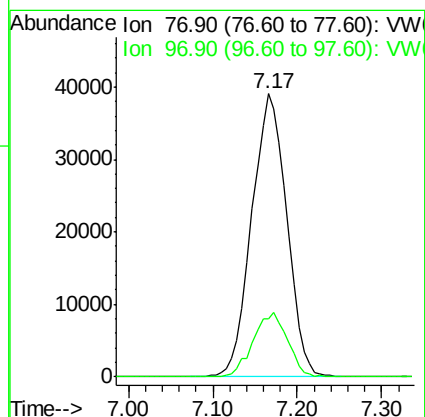
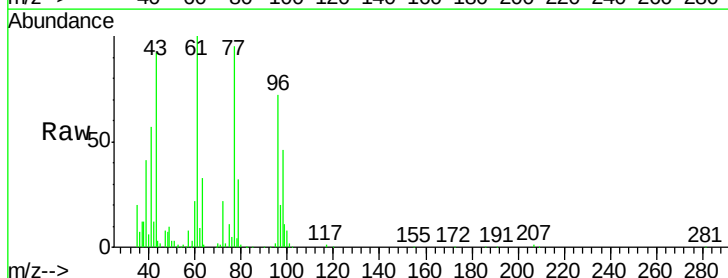
Acq: 21 Feb 2019 16:21

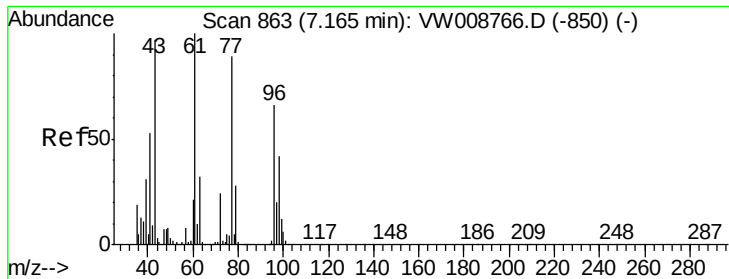
Tgt Ion: 77 Resp: 110927

Ion Ratio Lower Upper

77 100

97 22.3 11.0 33.0





#27

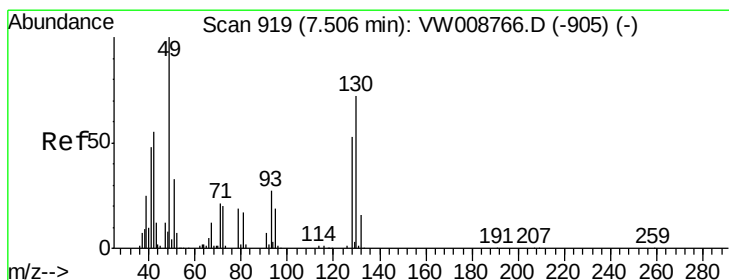
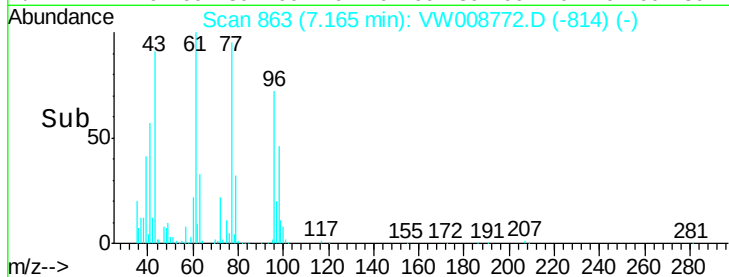
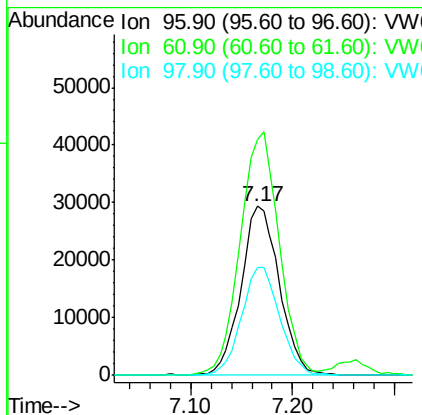
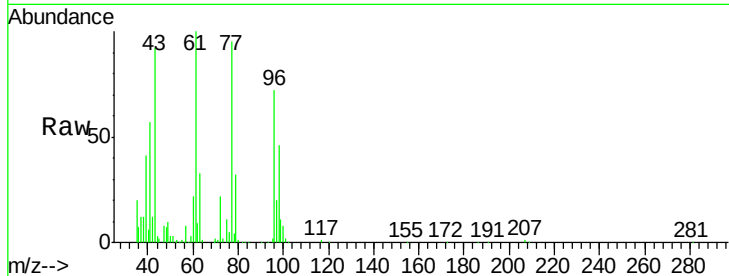
cis-1,2-Dichloroethene
 Concen: 22.112 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	76657		
61	146.8		0.0	302.6
98	64.1		0.0	130.0

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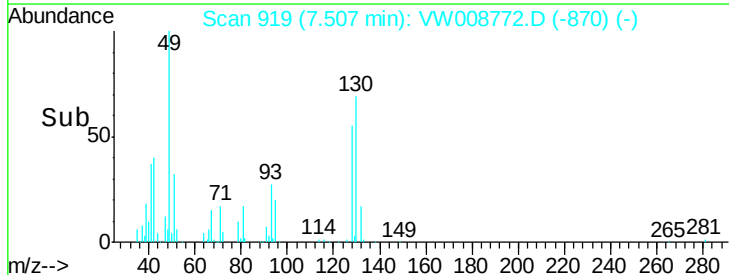
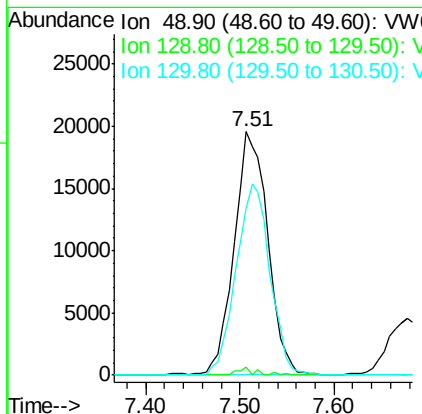
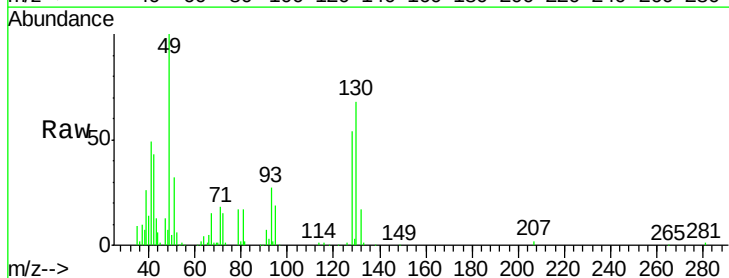
MMDadoda
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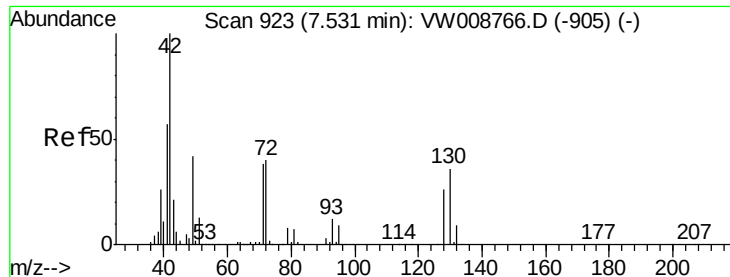


#28

Bromochloromethane
 Concen: 20.825 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48712		
129	1.4		0.0	2.6
130	79.0		61.3	91.9





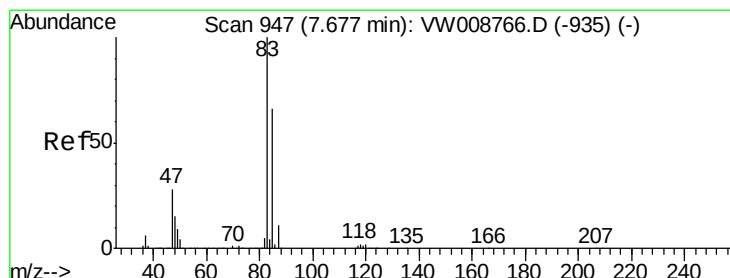
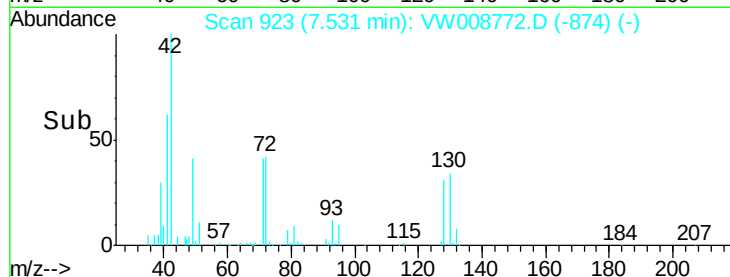
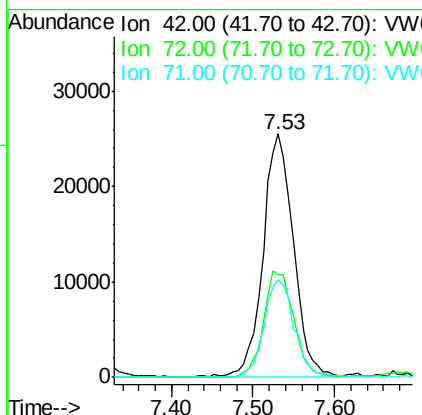
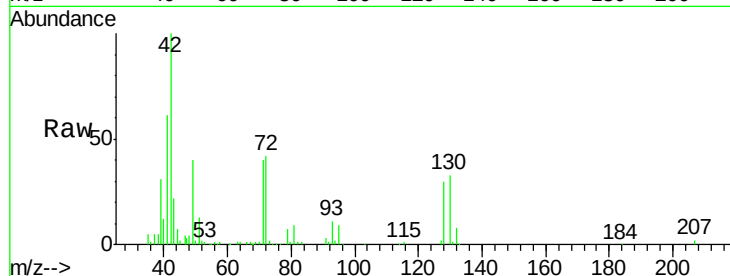
#29
Tetrahydrofuran
Concen: 106.100 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	32.7	49.1
71	40.5	31.3	46.9

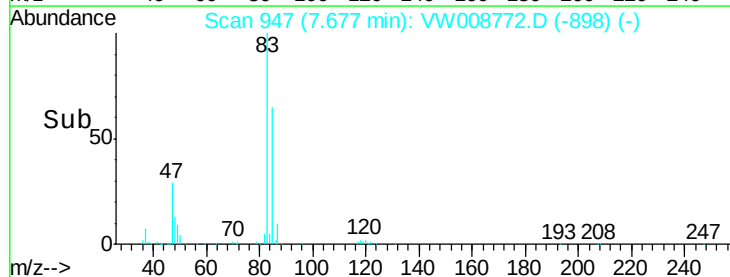
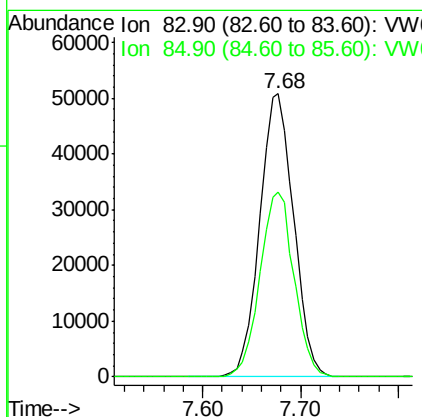
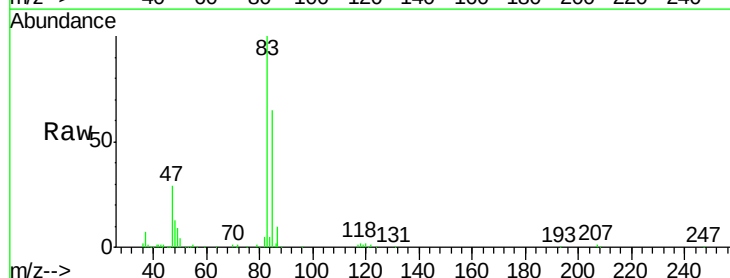
Manual Integrations
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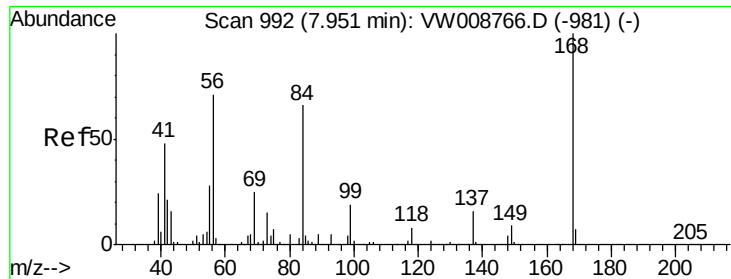
MMDadoda
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#30
Chloroform
Concen: 21.475 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.6	79.0





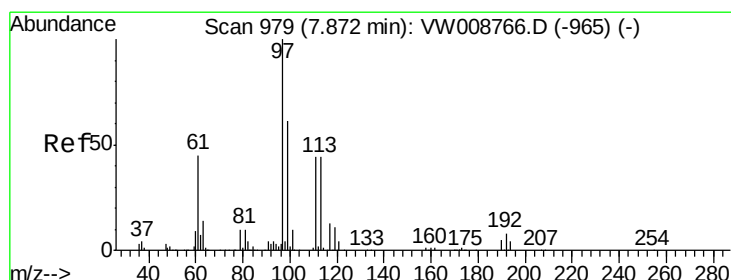
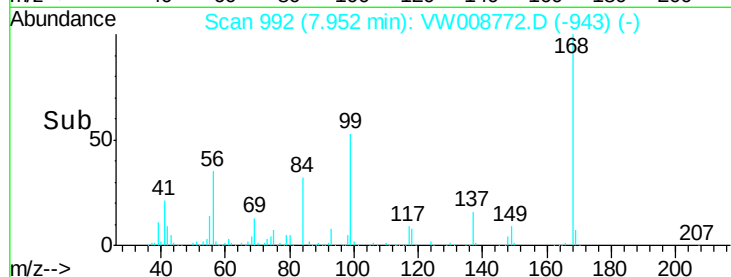
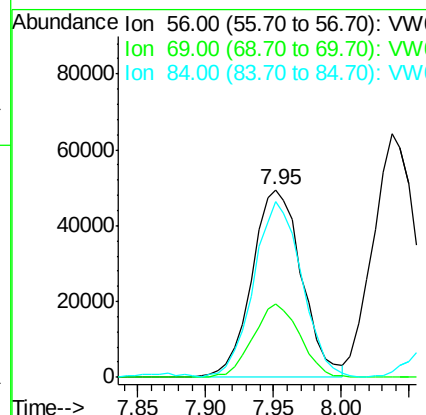
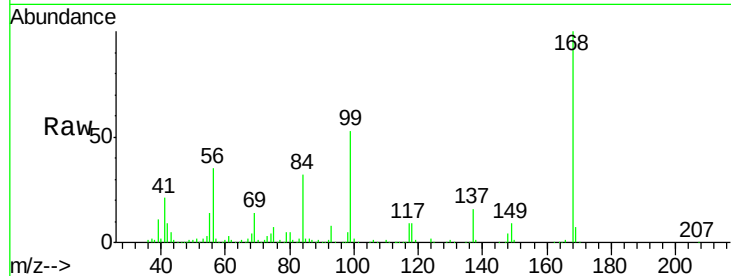
#31
Cyclohexane
Concen: 22.406 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	126773		
69	39.1		28.2	42.4
84	93.2		74.1	111.1

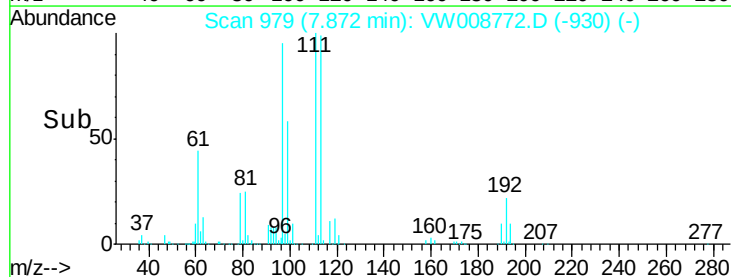
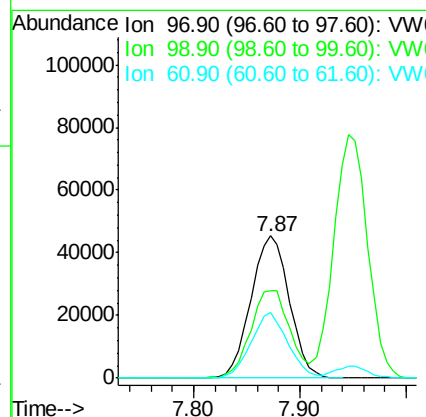
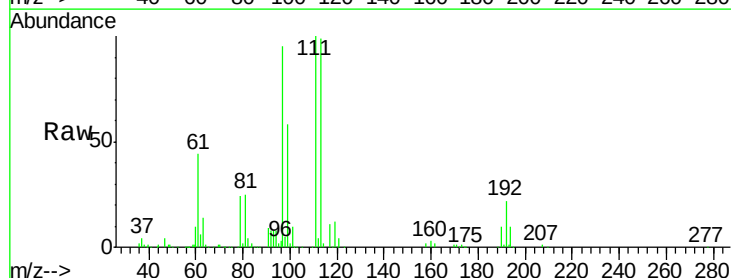
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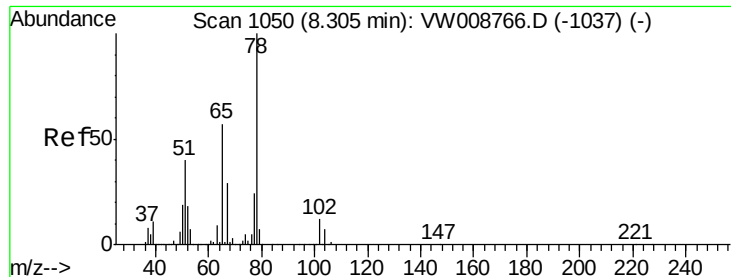
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#32
1,1,1-Trichloroethane
Concen: 22.057 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	115022		
99	63.6		50.8	76.2
61	44.3		36.0	54.0





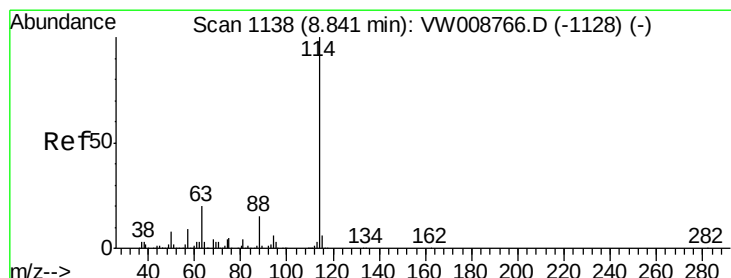
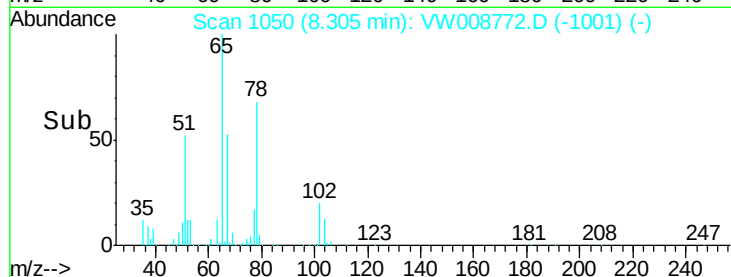
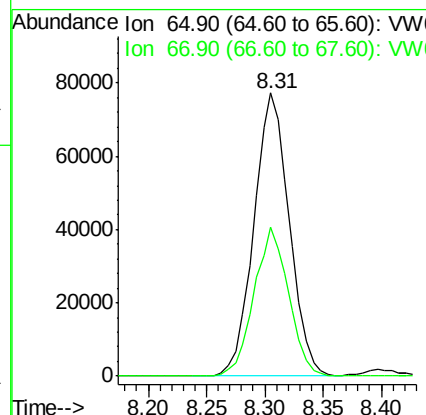
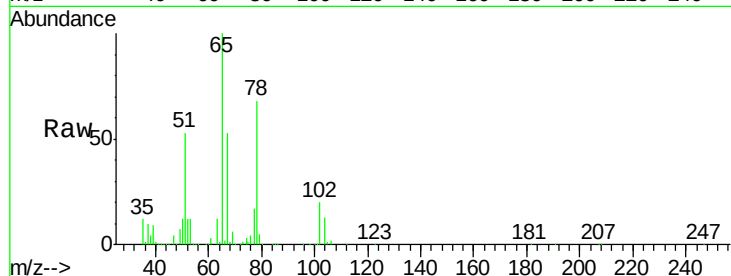
#33
 1,2-Dichloroethane-d4
 Concen: 54.541 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	101.4	

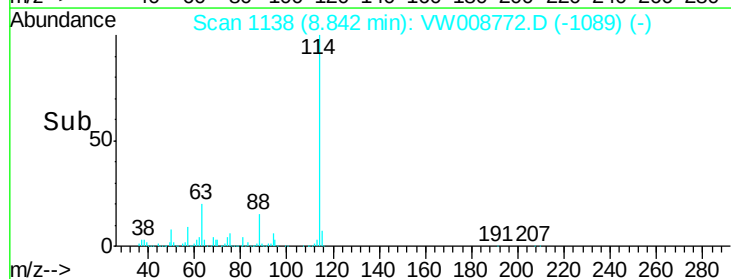
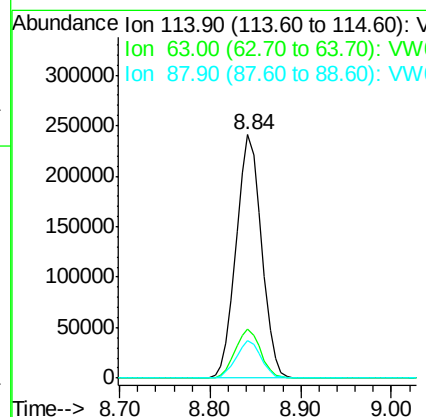
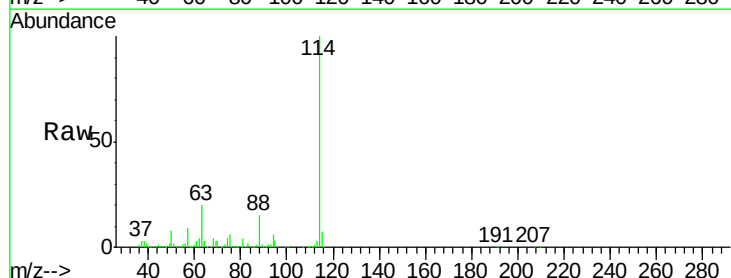
Manual Integrations
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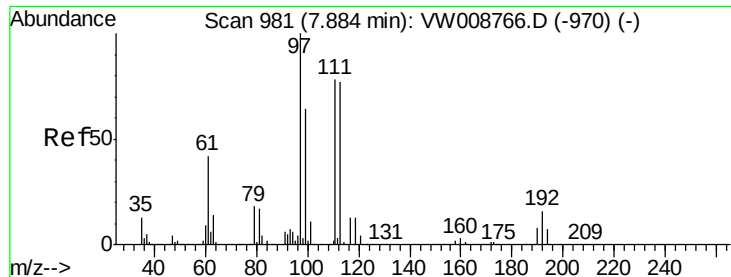
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.4	0.0	40.8	
88	15.4	0.0	30.4	





#35

Dibromofluoromethane

Concen: 54.609 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

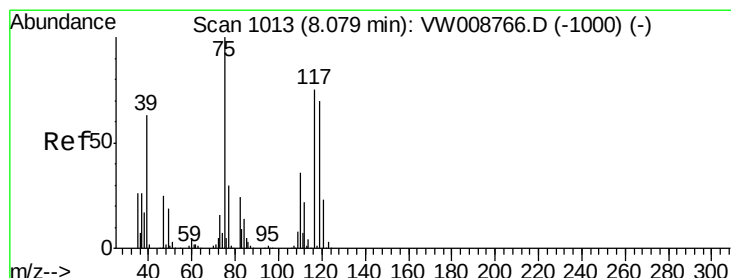
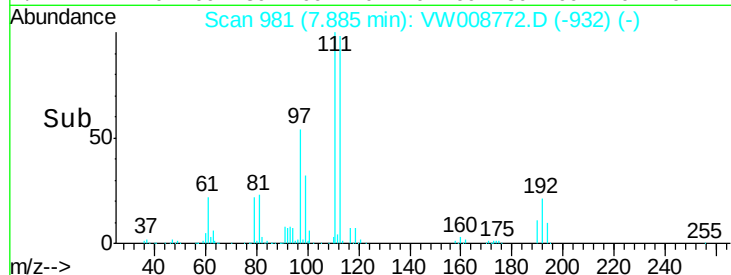
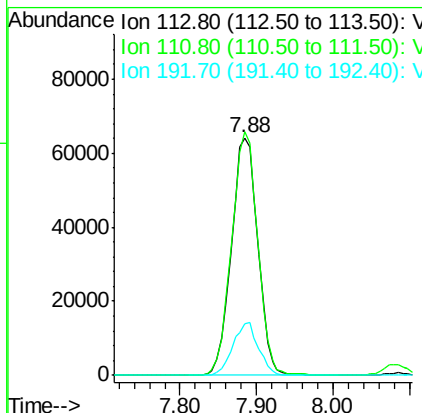
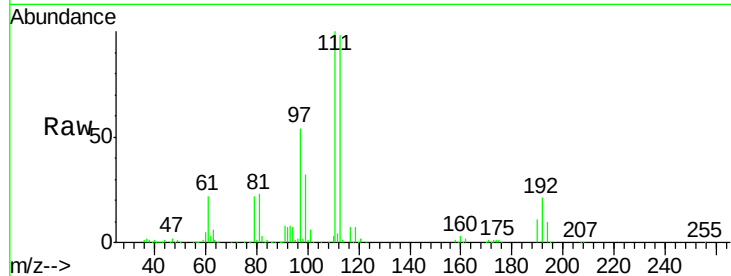
ClientSampleId :

VW0221SBSD01

Tot Ion:	113	Resp:	153431
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.9	122.9
192	21.4	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 22.521 ug/l

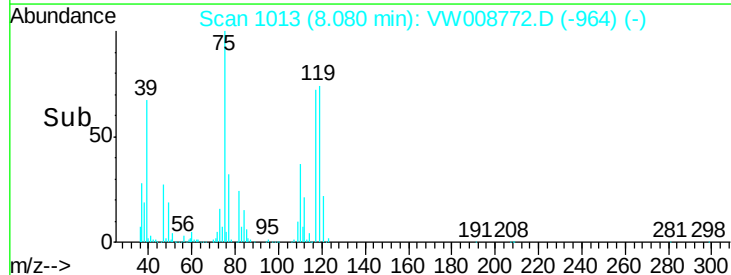
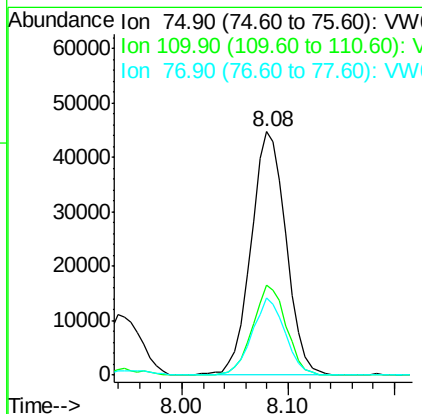
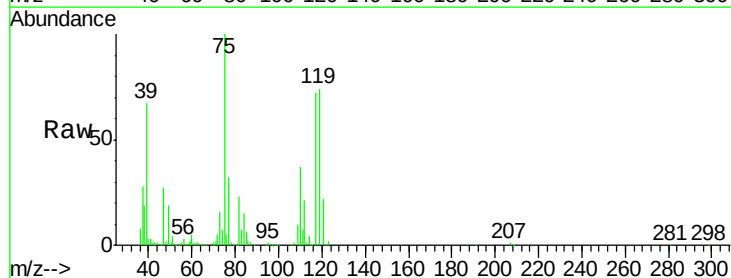
RT: 8.08 min Scan# 1013

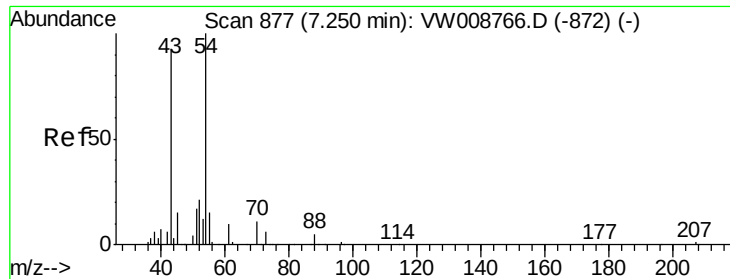
Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion:	75	Resp:	102587
Ion Ratio	Lower	Upper	
75	100		
110	35.3	17.5	52.6
77	30.0	24.5	36.7





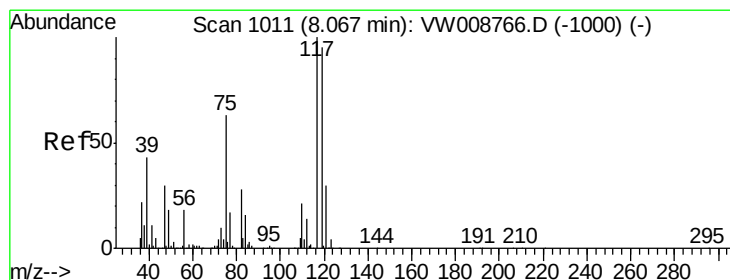
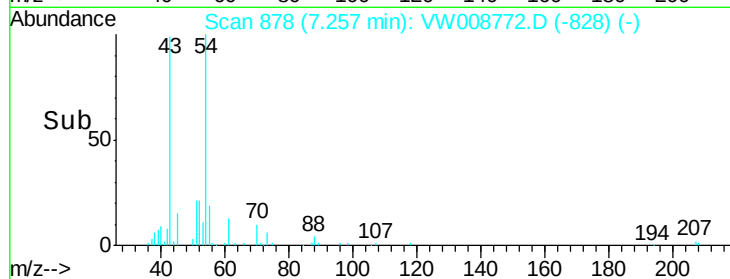
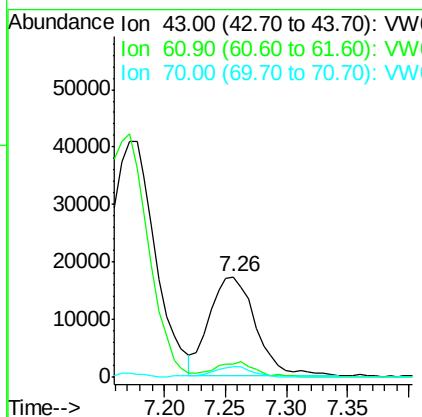
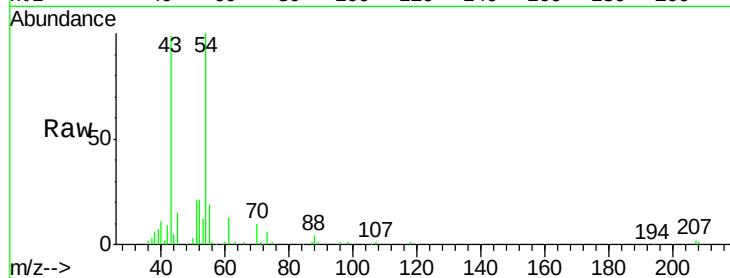
#37
Ethyl Acetate
Concen: 21.499 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	9.8	14.8
70	9.8	8.4	12.6

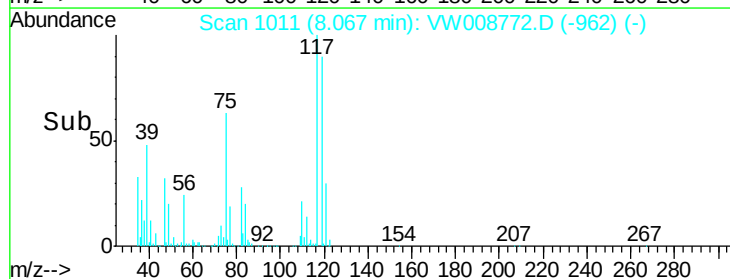
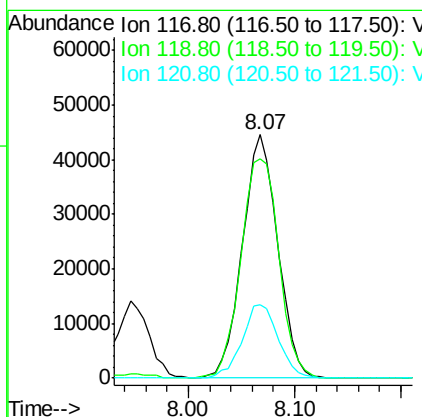
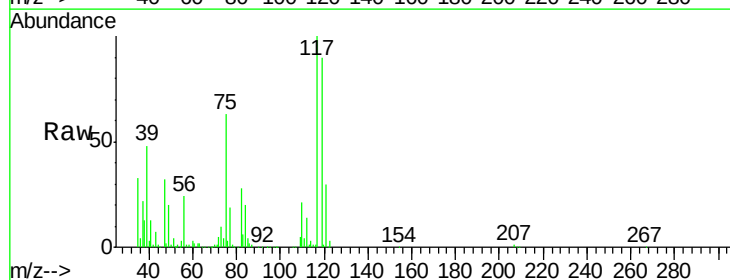
Manual Integrations
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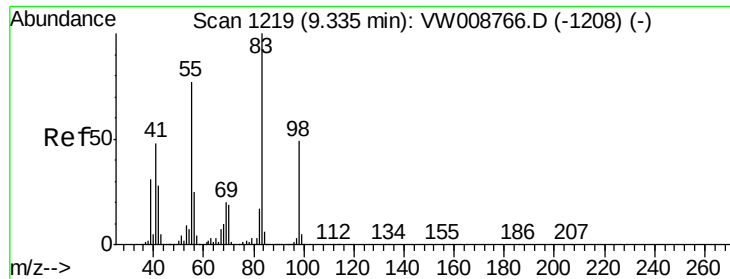
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#38
Carbon Tetrachloride
Concen: 21.676 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	76.1	114.1
121	30.0	24.0	36.0





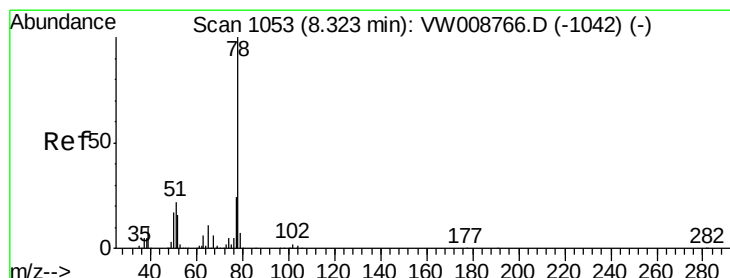
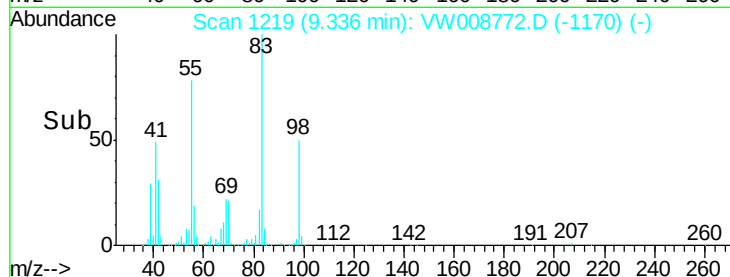
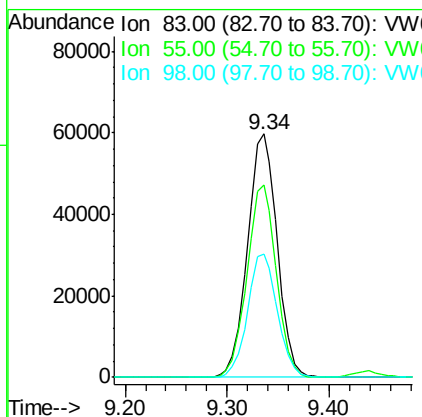
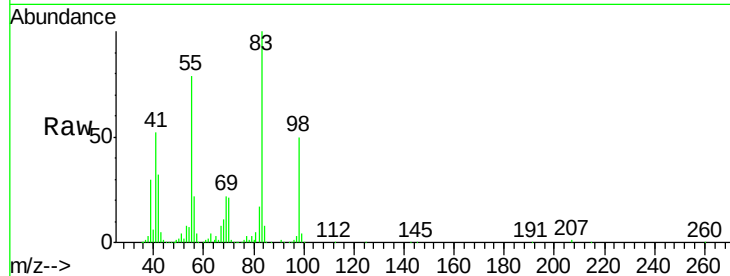
#39
Methylvlcyclohexane
Concen: 21.334 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.2	91.8
98	50.4	39.4	59.2

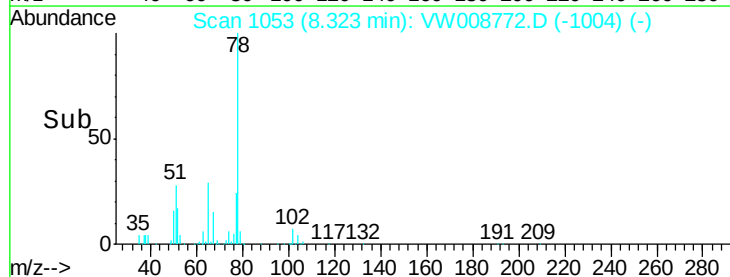
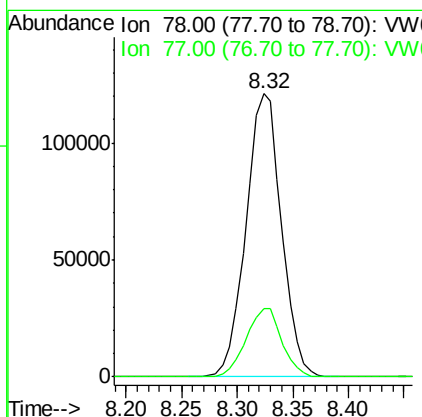
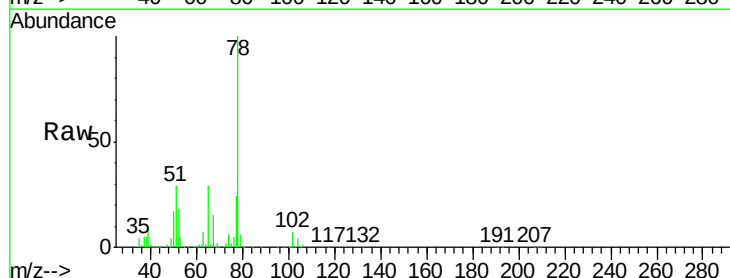
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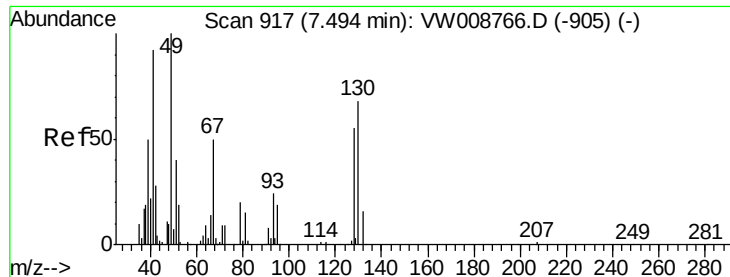
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#40
Benzene
Concen: 21.540 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





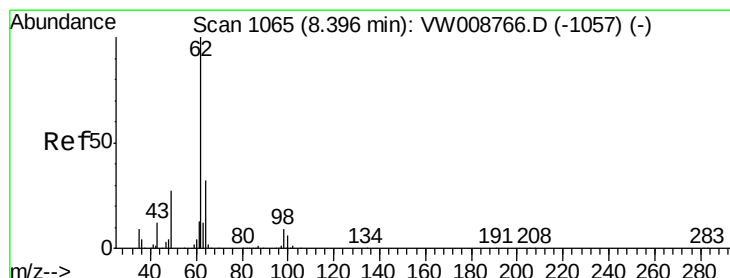
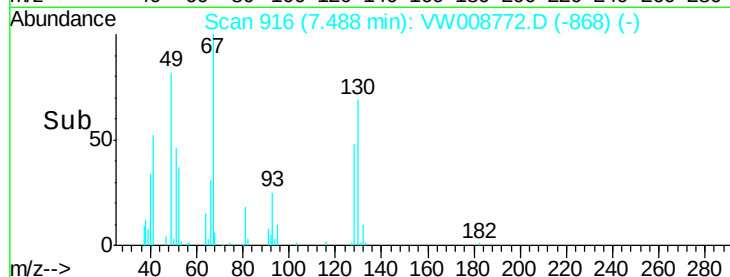
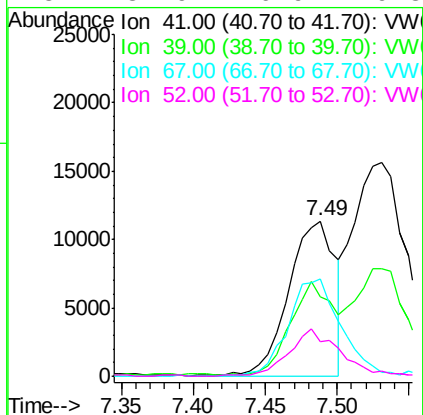
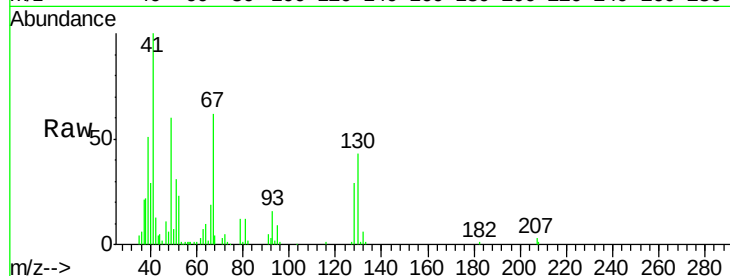
#41
Methacrylonitrile
Concen: 20.741 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.1	52.5	78.7
67	70.3	55.0	82.6
52	32.9	26.9	40.3

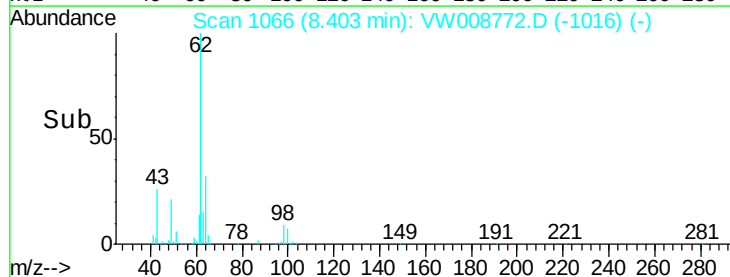
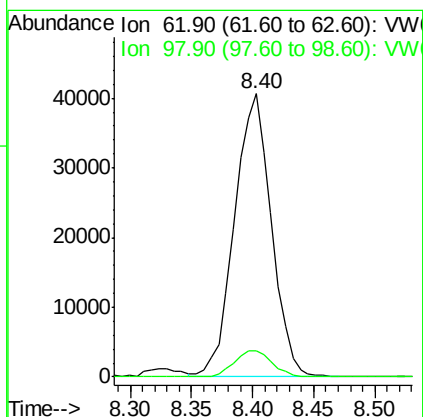
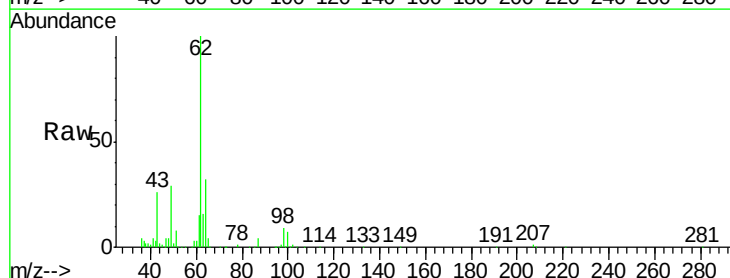
Manual Integrations
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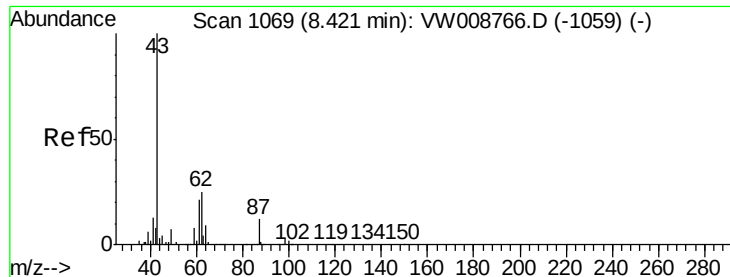
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#42
1,2-Dichloroethane
Concen: 21.458 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43

Isopropyl Acetate

Concen: 21.279 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

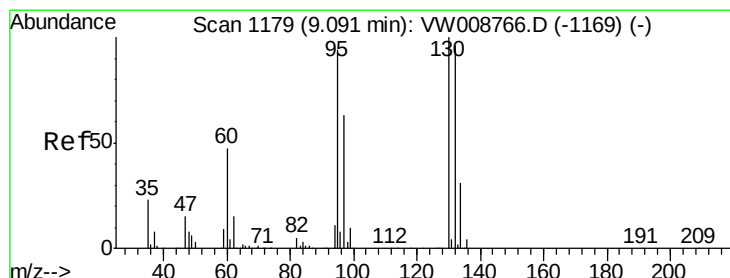
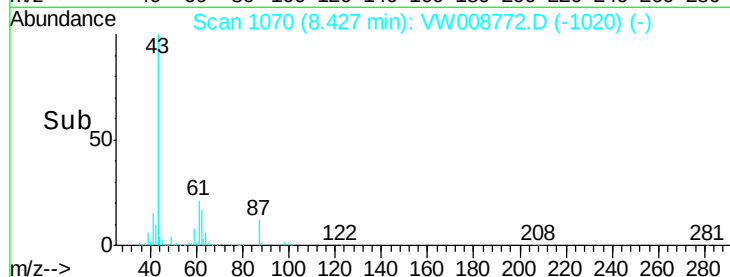
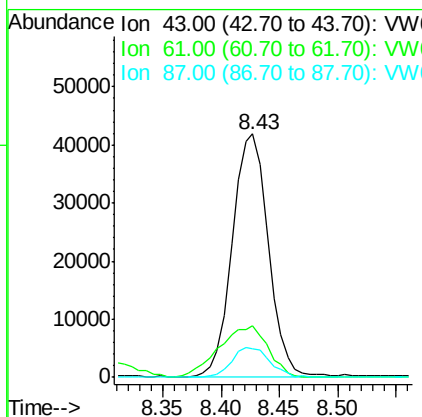
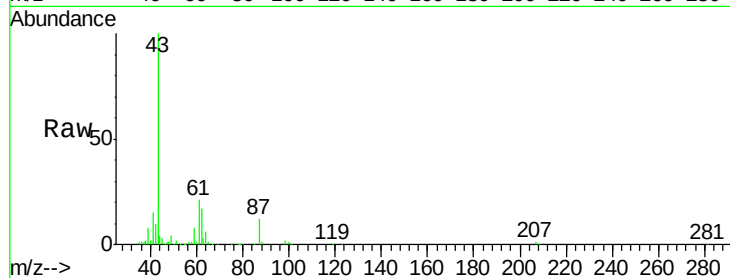
ClientSampleId :

VW0221SBSD01

Tot Ion:	43	Resp:	89962
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.2	34.8
87	13.2	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 22.075 ug/l

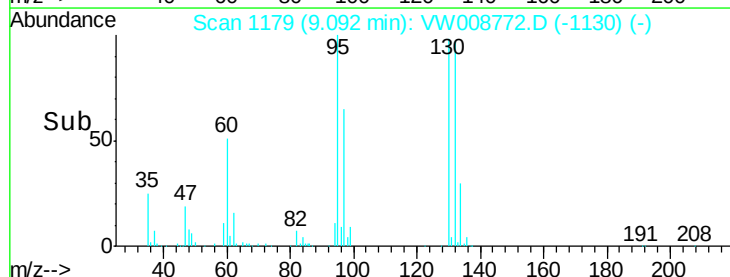
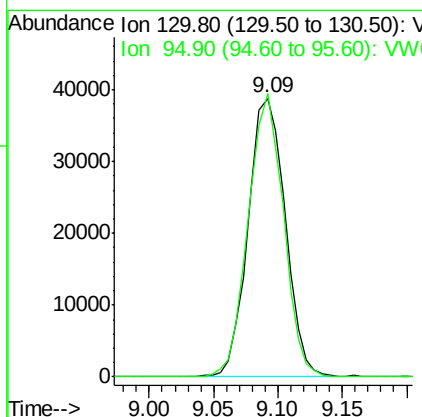
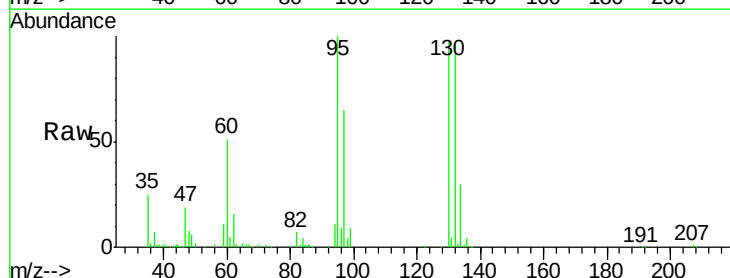
RT: 9.09 min Scan# 1179

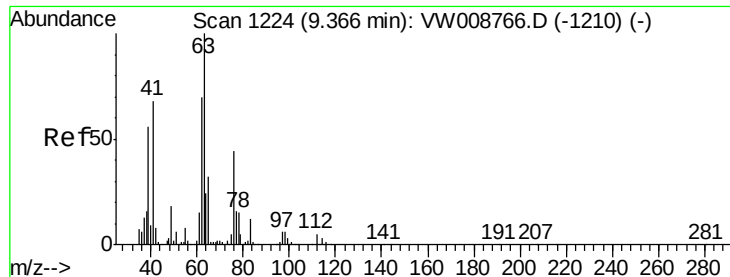
Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion:	130	Resp:	77344
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	188.6





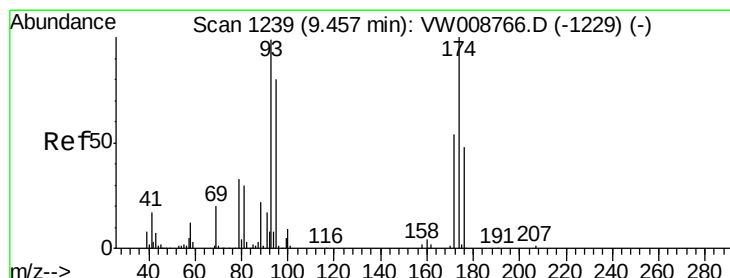
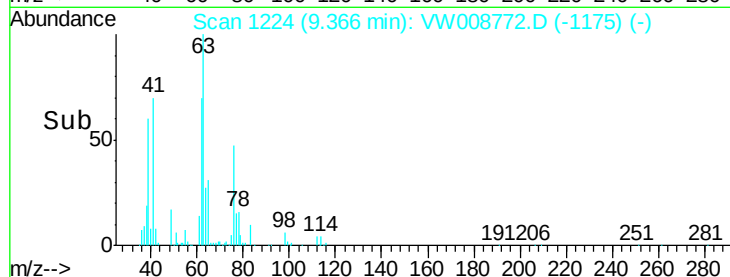
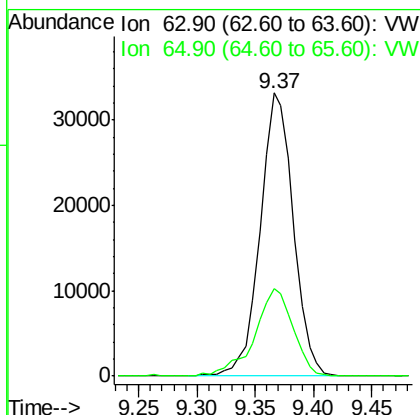
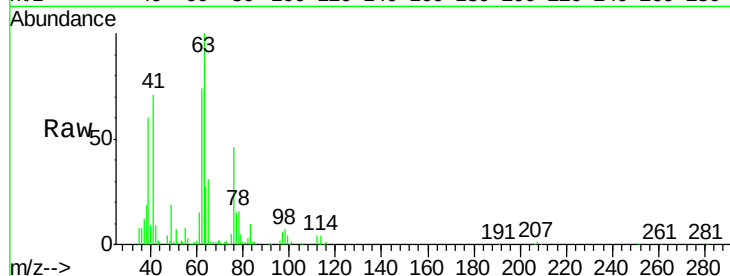
#45
 1,2-Dichloropropane
 Concen: 21.387 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.5	38.3

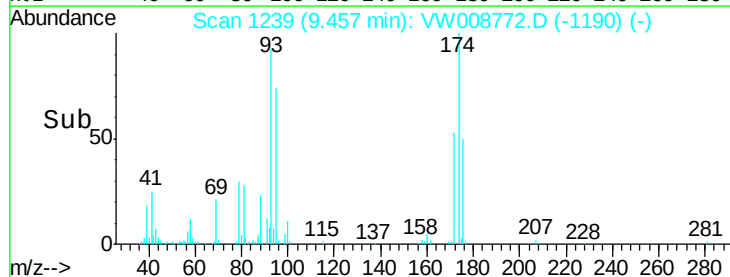
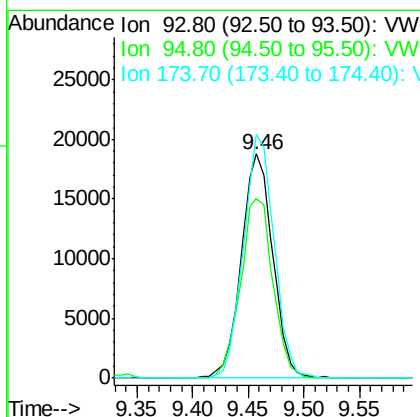
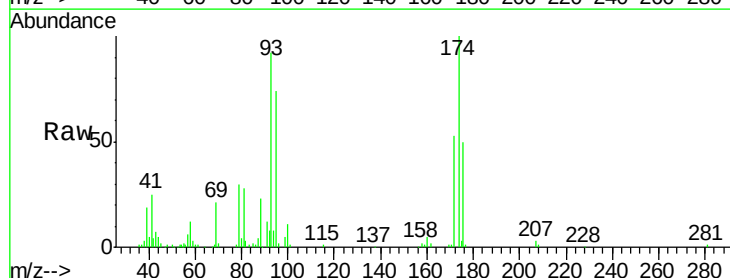
Manual Integrations
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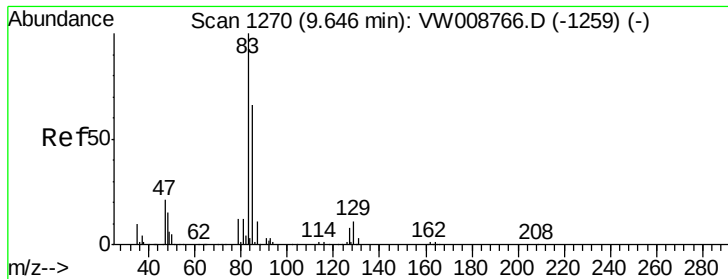
MMDadoda
 2/22/2019 12:25:51 PM



#46
 Dibromomethane
 Concen: 21.534 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.7	101.5
174	106.1	86.7	130.1





#47

Bromodichloromethane

Concen: 21.870 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

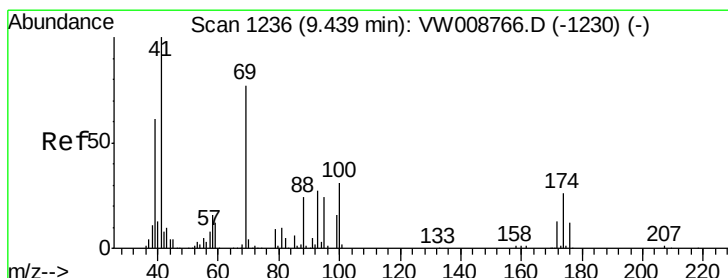
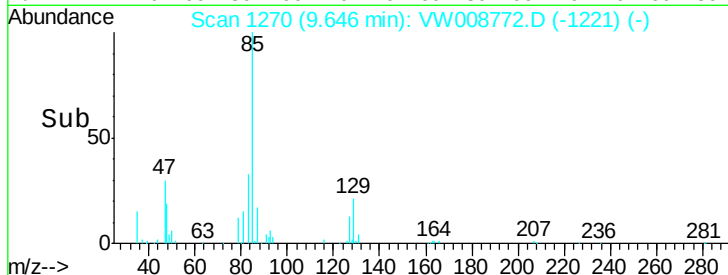
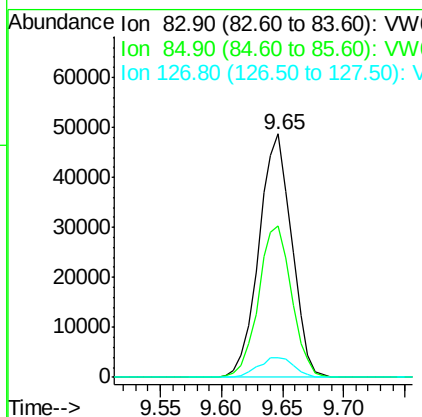
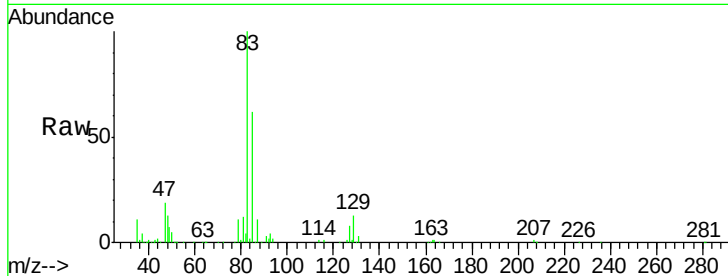
ClientSampleId :

VW0221SBS01

Tot Ion:	83	Resp:	90966
Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.5	78.7
127	8.1	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.804 ug/l

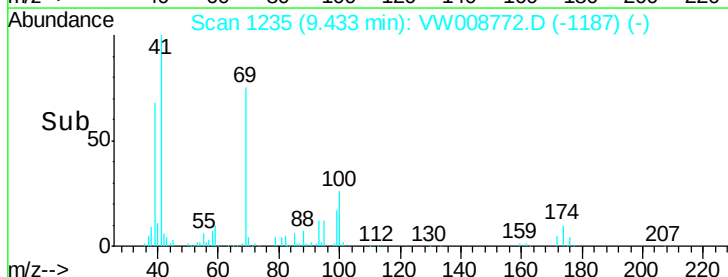
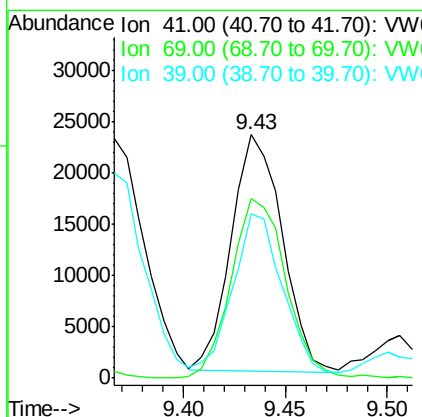
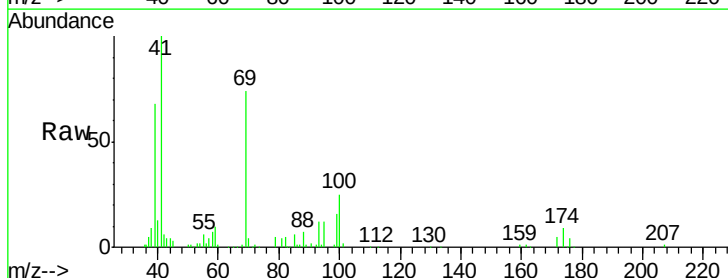
RT: 9.43 min Scan# 1235

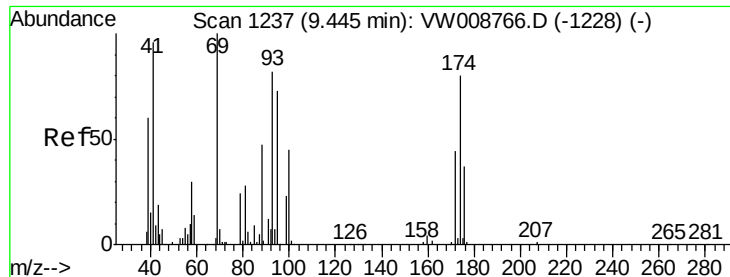
Delta R.T. -0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion:	41	Resp:	40099
Ion	Ratio	Lower	Upper
41	100		
69	82.2	63.6	95.4
39	69.4	52.1	78.1





#49

1,4-Dioxane

Concen: 381.016 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

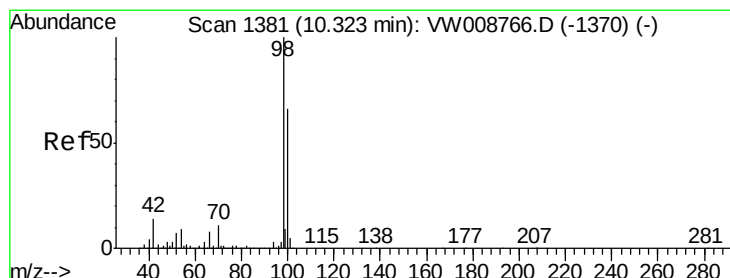
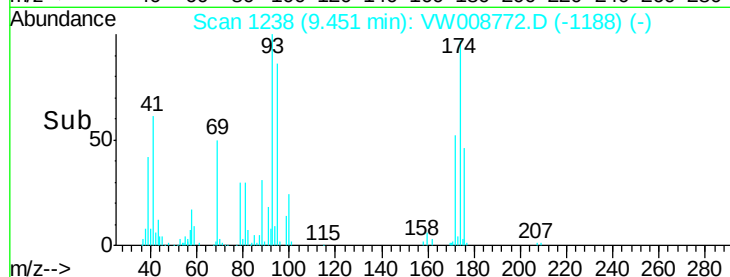
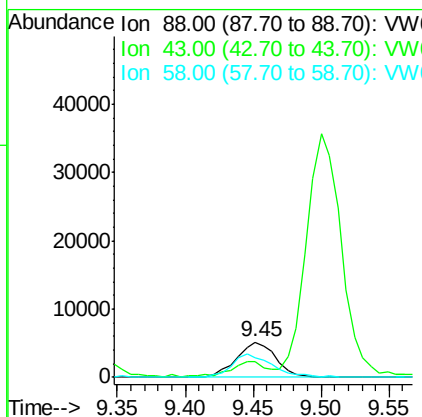
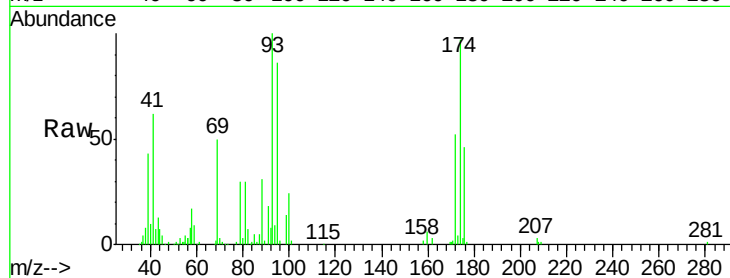
ClientSampleId :

VW0221SBS01

Tot Ion:	88	Resp:	10431
Ion Ratio	Lower	Upper	
88	100		
43	38.0	29.0	43.4
58	69.6	52.0	78.0

Manual Integrations
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#50

Toluene-d8

Concen: 52.385 ug/l

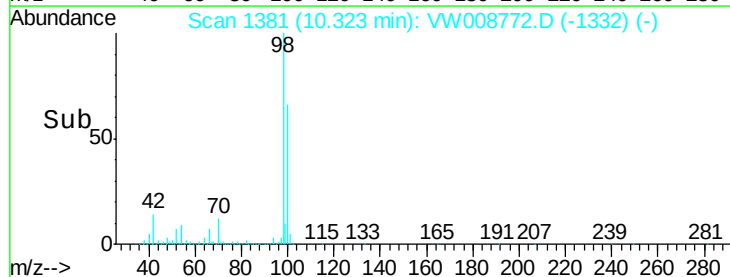
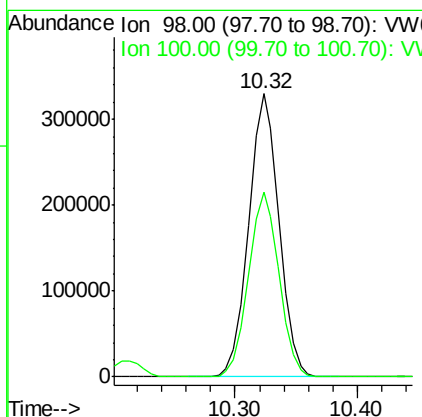
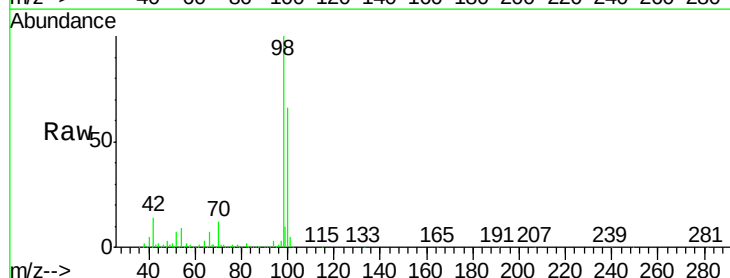
RT: 10.32 min Scan# 1381

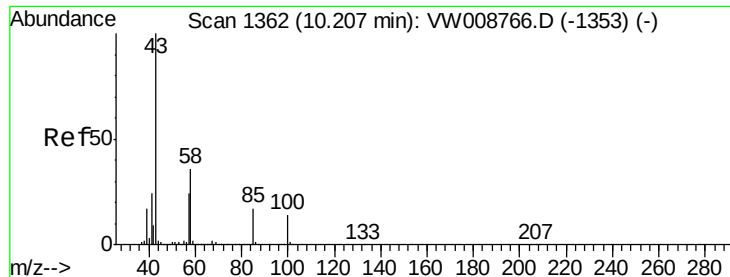
Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion:	98	Resp:	568174
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 103.427 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBSD01

Tot Ion: 43 Resp: 221995

Ion Ratio Lower Upper

43 100

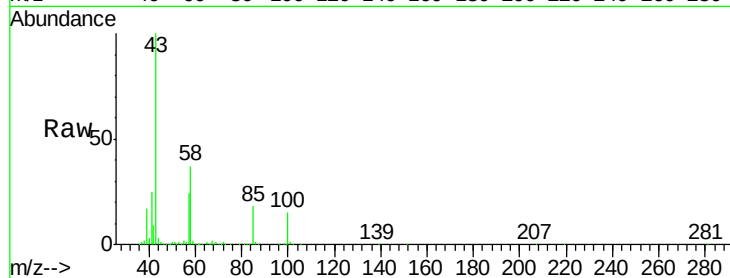
58 36.8 29.1 43.7

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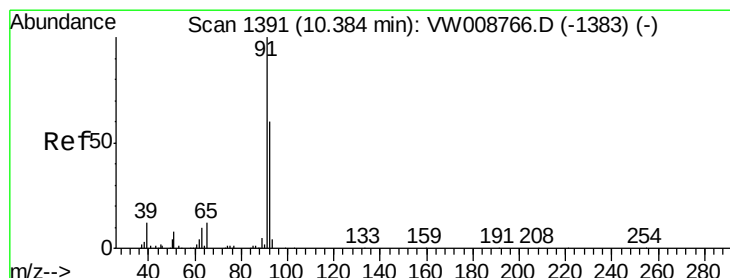
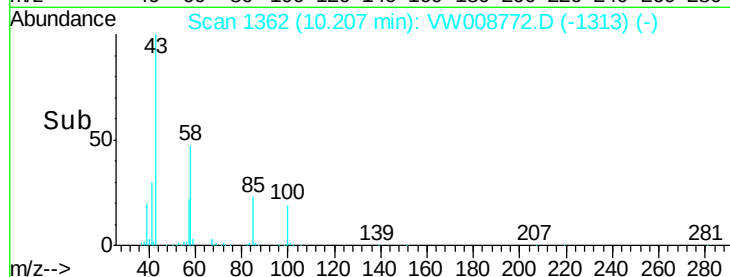
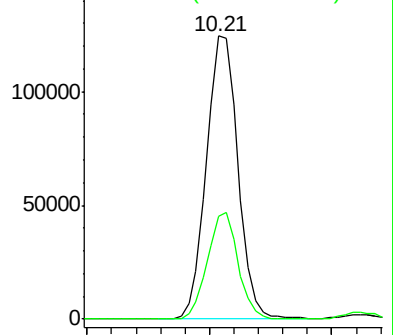
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.495 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008772.D

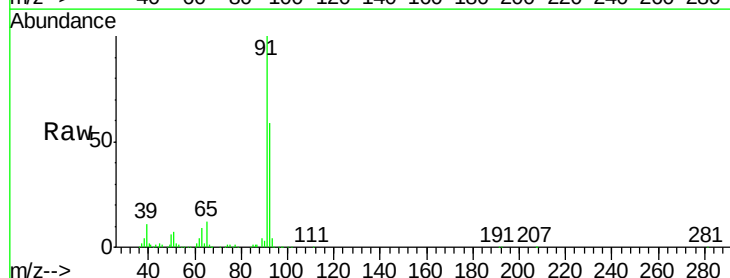
Acq: 21 Feb 2019 16:21

Tgt Ion: 92 Resp: 172993

Ion Ratio Lower Upper

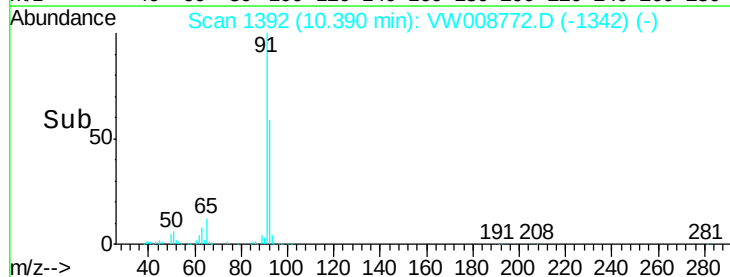
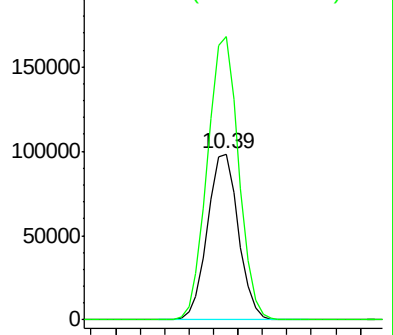
92 100

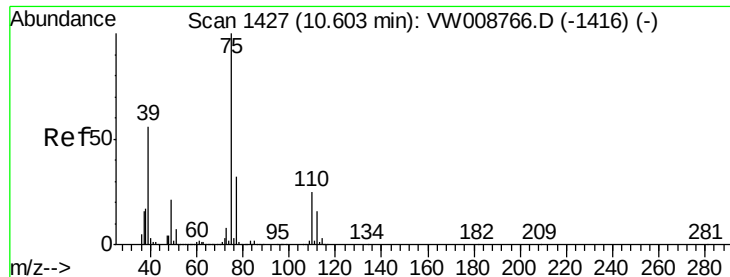
91 172.6 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 21.474 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 75 Resp: 91037

Ion Ratio Lower Upper

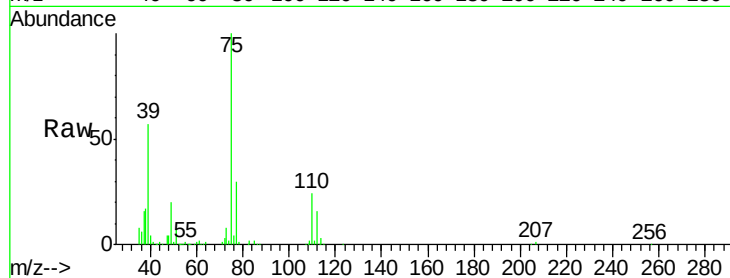
75 100

77 29.7 26.1 39.1

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

60000

50000

40000

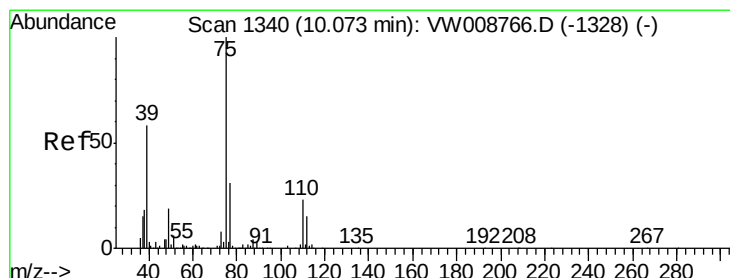
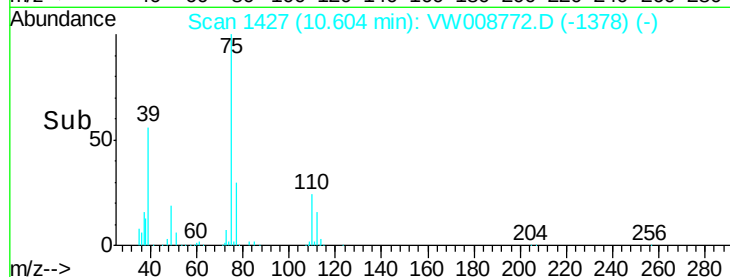
30000

20000

10000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 21.708 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

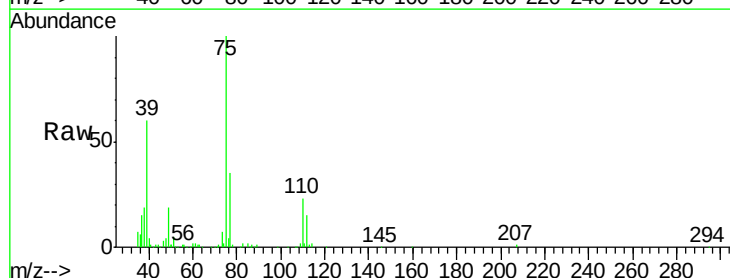
Tgt Ion: 75 Resp: 104961

Ion Ratio Lower Upper

75 100

77 35.0 25.0 37.4

39 59.2 46.6 70.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

80000

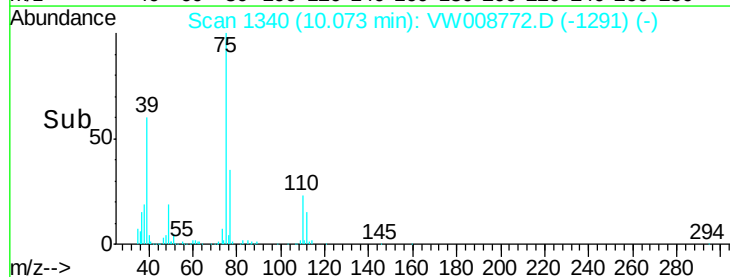
60000

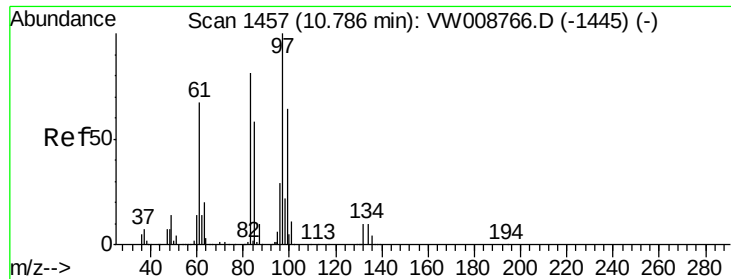
40000

20000

0

Time--> 10.00 10.10





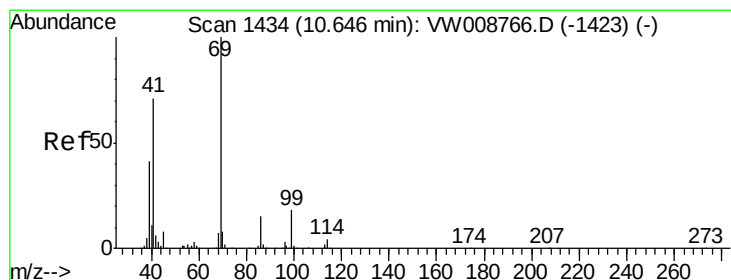
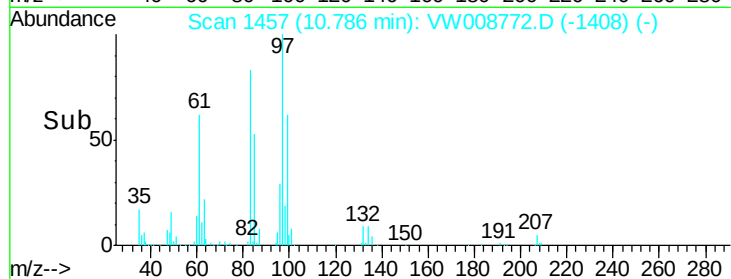
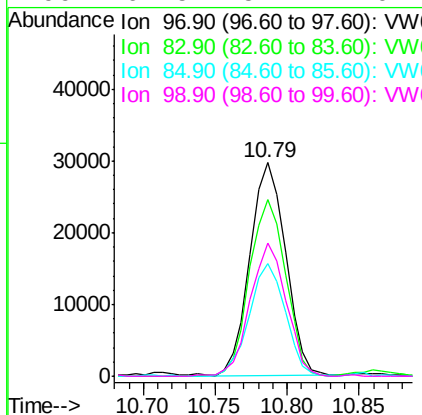
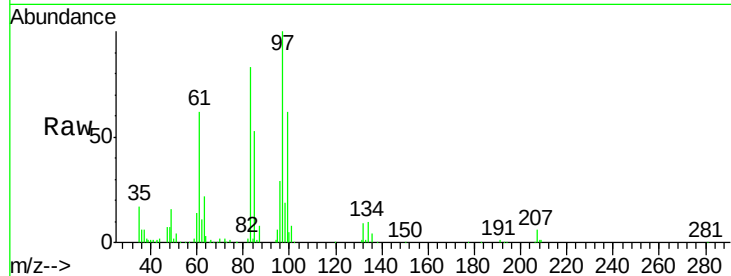
#55
 1,1,2-Trichloroethane
 Concen: 22.072 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		51172		
83	82.9		65.0	97.6	
85	53.2		46.0	69.0	
99	62.5		51.1	76.7	

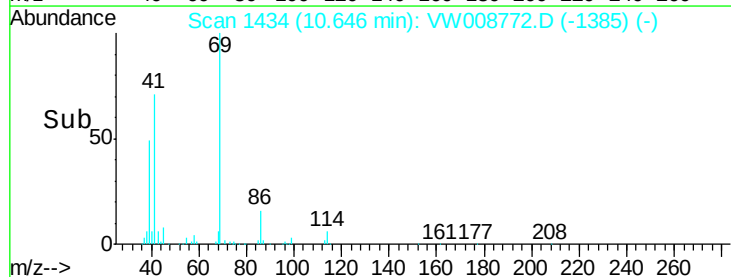
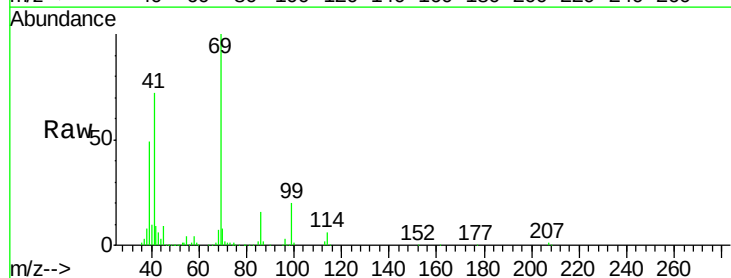
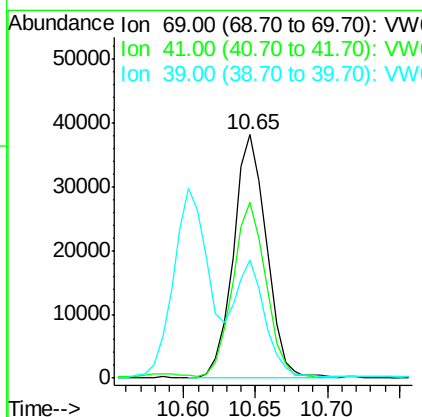
Manual Integrations
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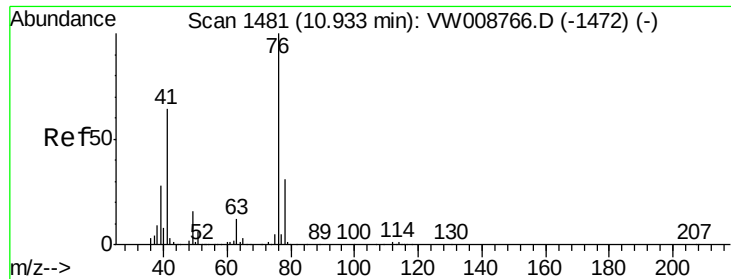
MMDadoda
 2/22/2019 12:25:51 PM



#56
 Ethyl methacrylate
 Concen: 20.278 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		61079		
41	72.1		57.4	86.0	
39	43.2		34.8	52.2	





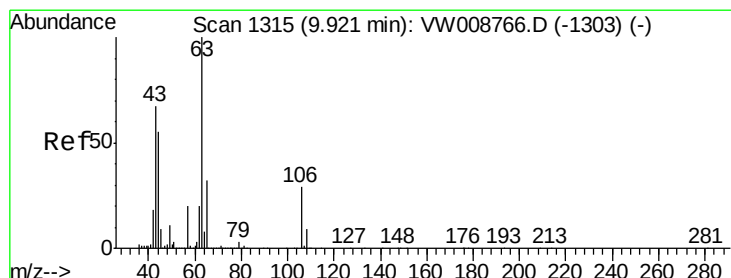
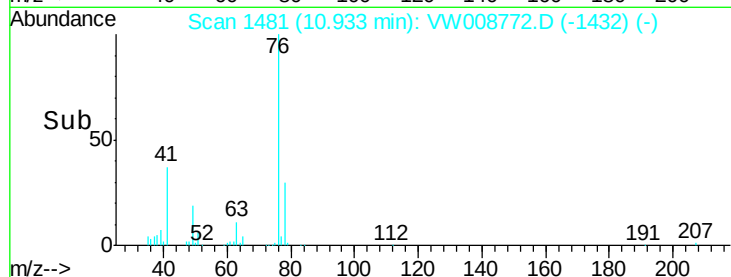
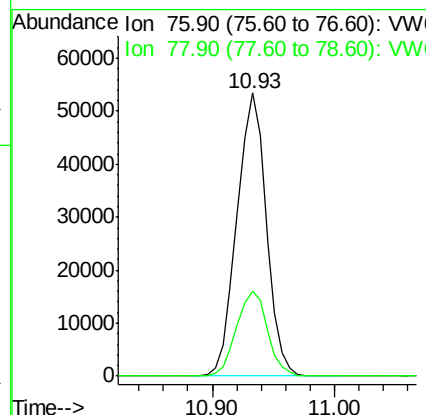
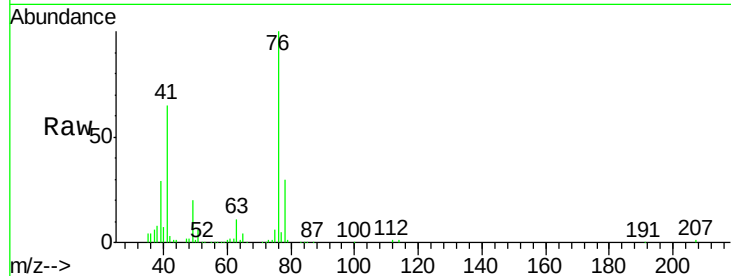
#57
 1,3-Dichloropropane
 Concen: 21.680 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBSD01

Tot Ion: 76 Resp: 88745
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.8 38.8

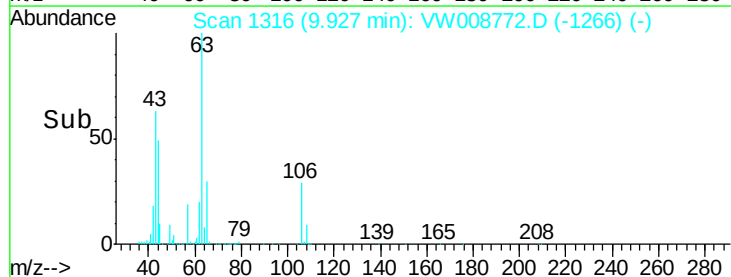
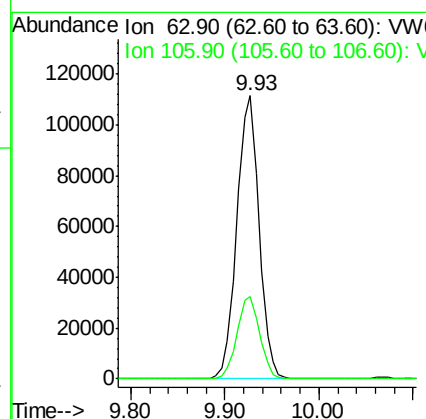
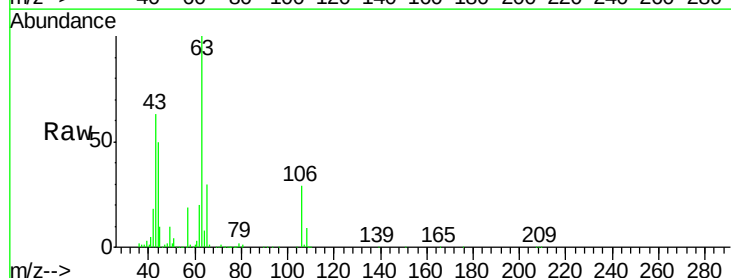
Manual Integrations
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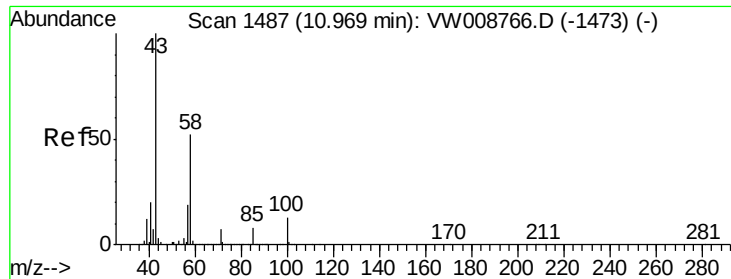
MMDadoda
 2/22/2019 12:25:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.855 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion: 63 Resp: 183086
 Ion Ratio Lower Upper
 63 100
 106 29.6 24.0 36.0





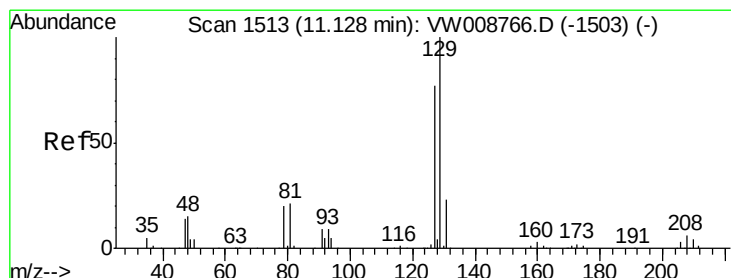
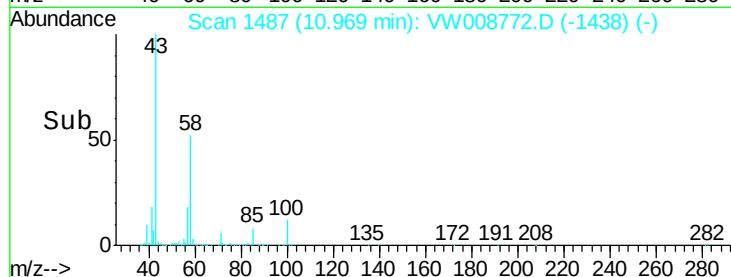
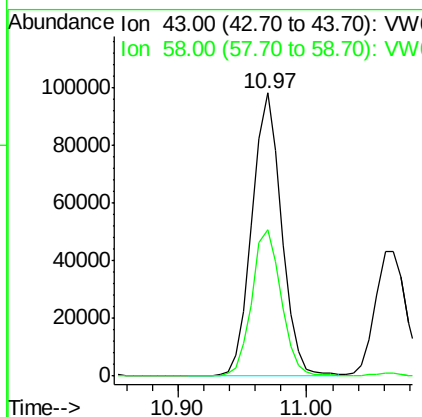
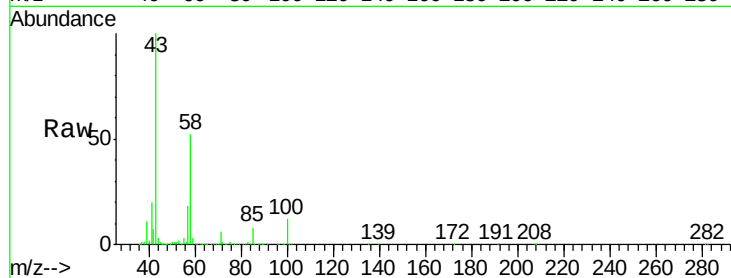
#59
2-Hexanone
Concen: 101.178 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion: 43 Resp: 154589
Ion Ratio Lower Upper
43 100
58 51.5 25.3 75.8

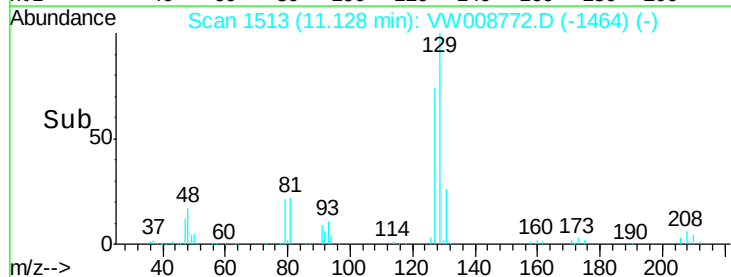
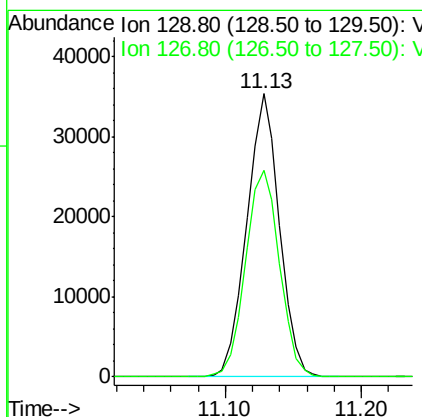
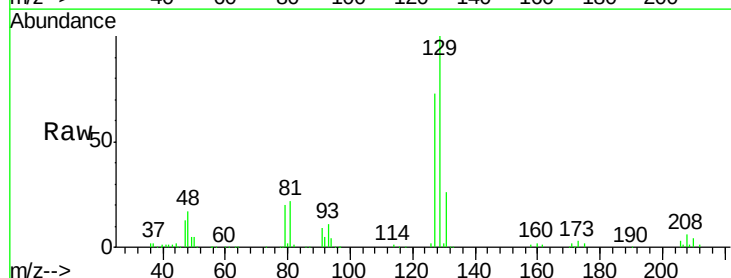
Manual Integrations
APPROVED

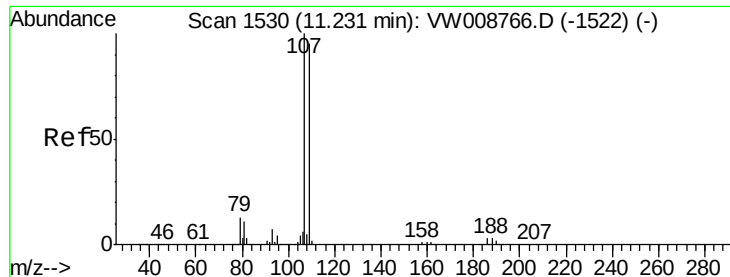
MMDadoda
2/22/2019 12:25:51 PM



#60
Dibromochloromethane
Concen: 21.010 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion: 129 Resp: 59412
Ion Ratio Lower Upper
129 100
127 75.9 39.0 116.9





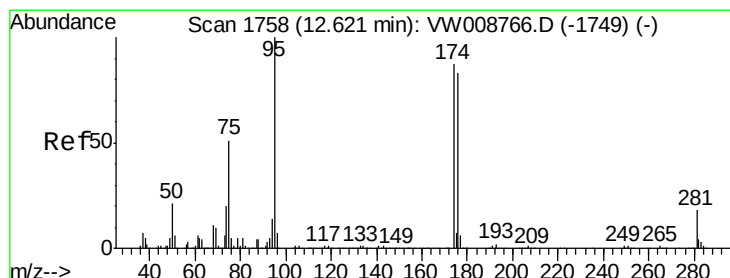
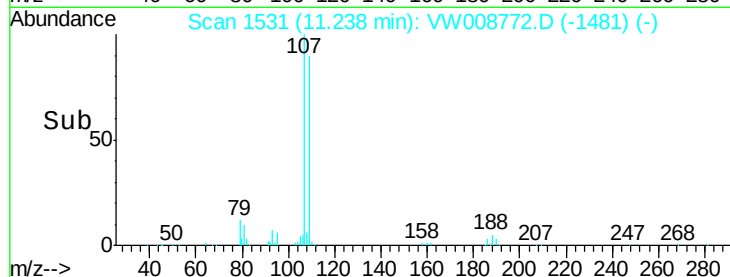
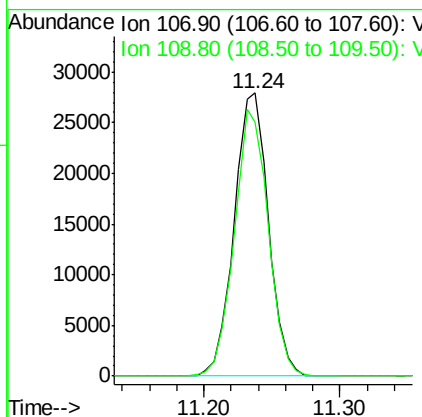
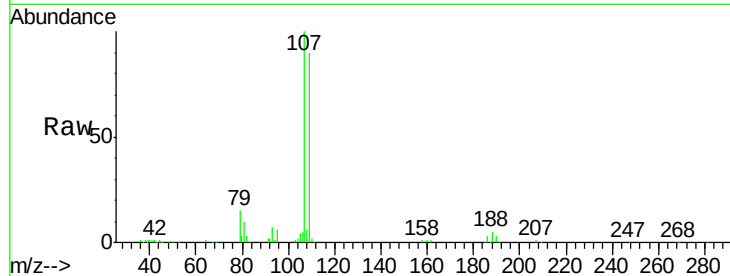
#61
 1,2-Dibromoethane
 Concen: 21.355 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBSD01

Tot Ion: 107 Resp: 49007
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.6 113.4

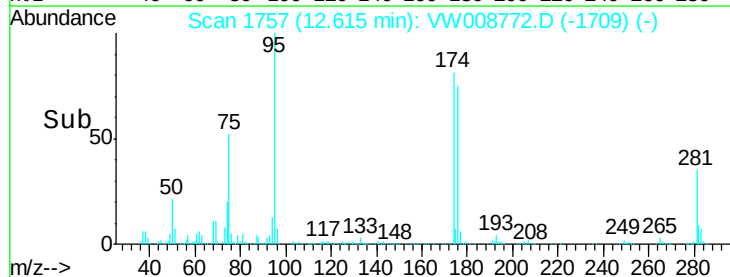
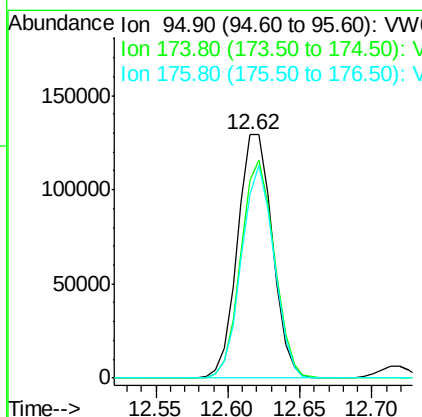
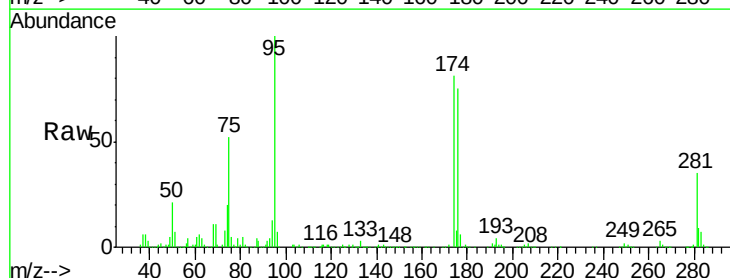
Manual Integrations
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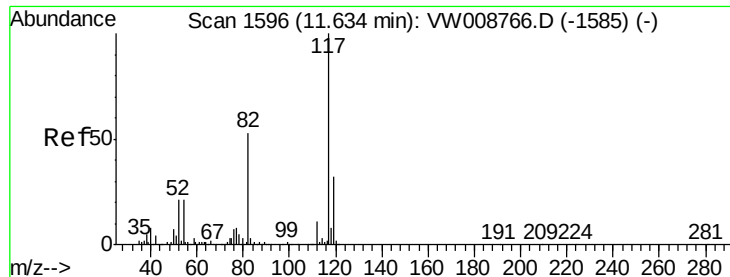
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.218 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion: 95 Resp: 217505
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 169.2
 176 81.8 0.0 163.6





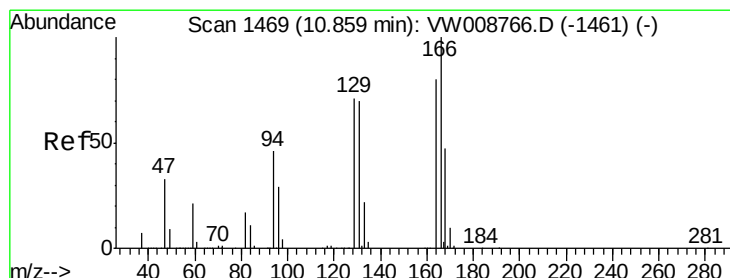
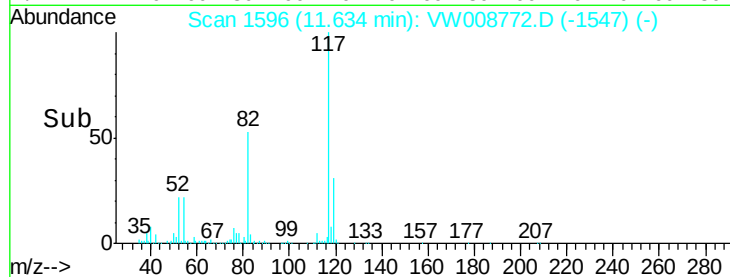
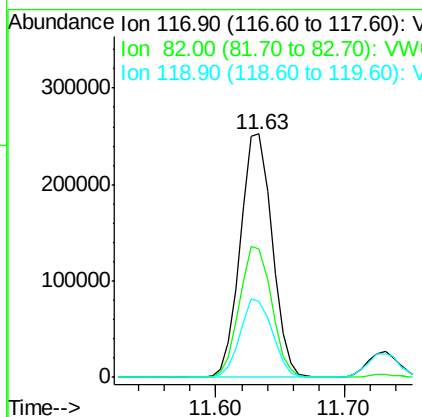
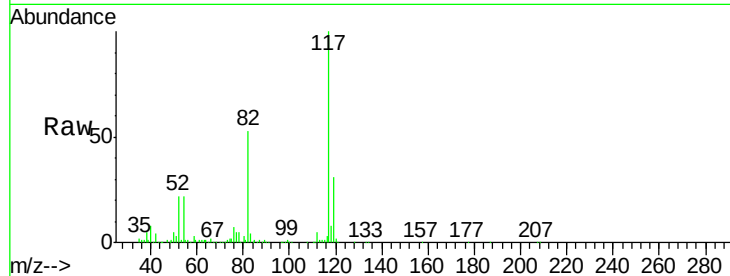
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	31.4	25.9	38.9

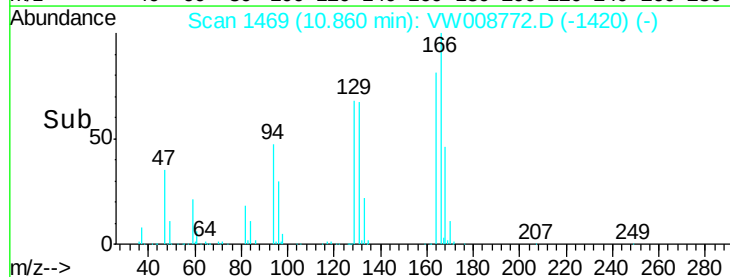
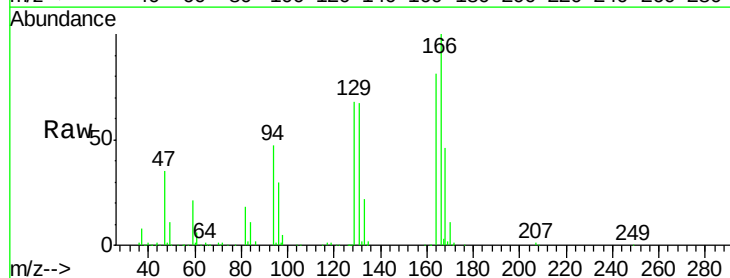
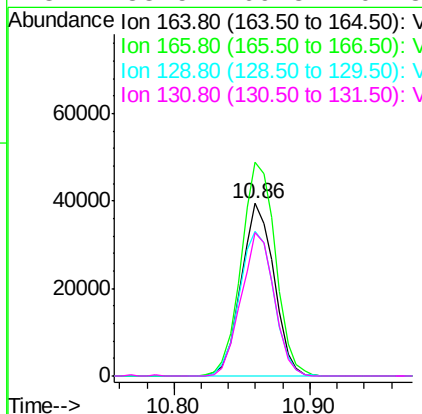
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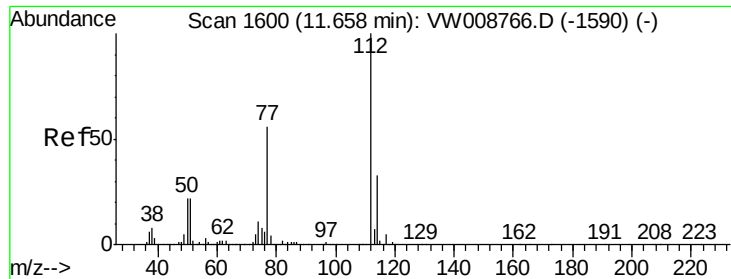
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#64
Tetrachloroethene
Concen: 21.479 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	99.5	149.3
129	84.2	71.1	106.7
131	83.5	69.8	104.8





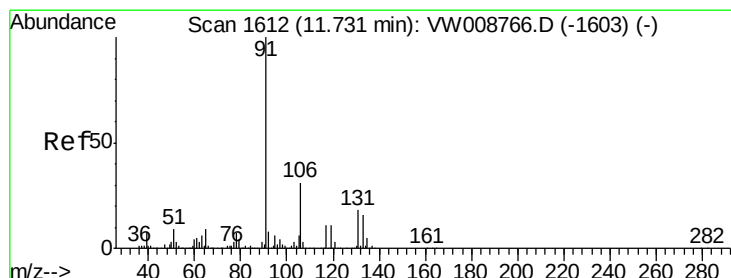
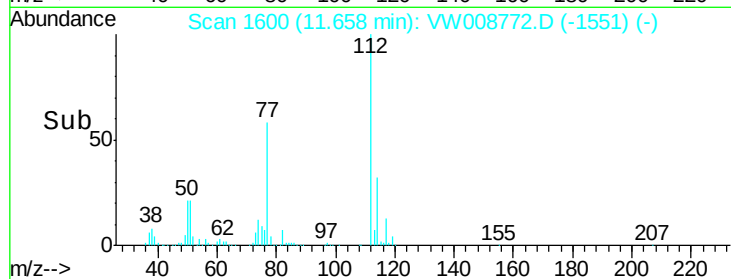
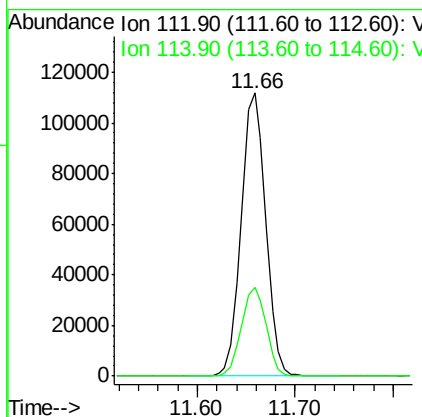
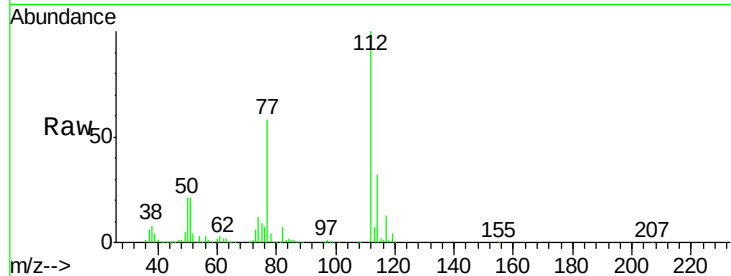
#65
Chlorobenzene
Concen: 21.297 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.6	40.0

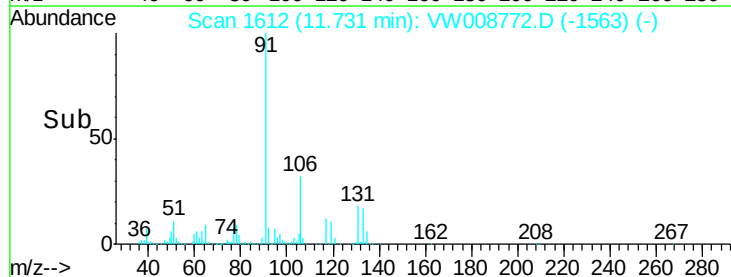
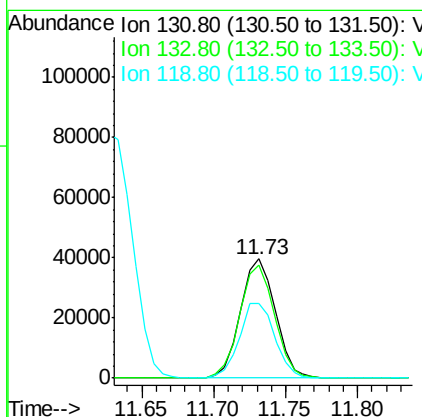
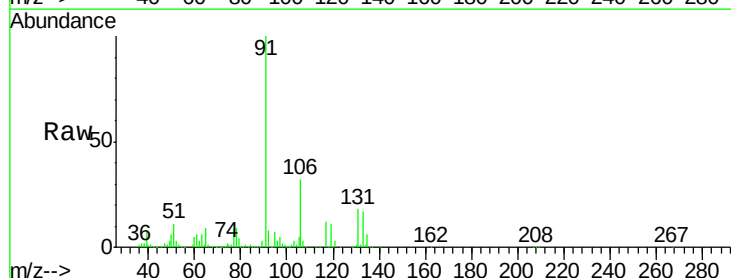
Manual Integrations
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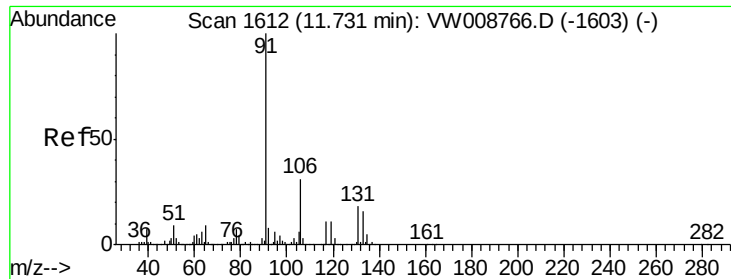
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.614 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	46.7	140.0
119	64.0	30.8	92.4





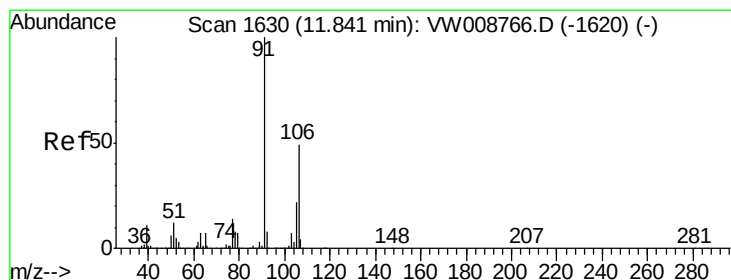
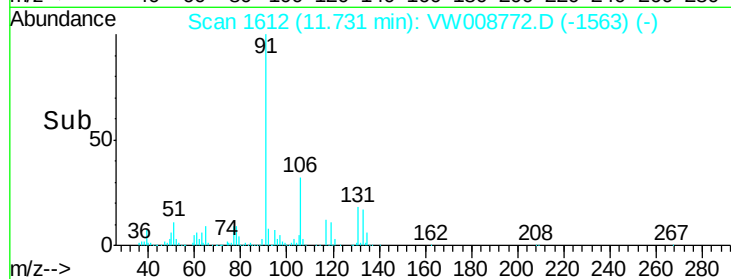
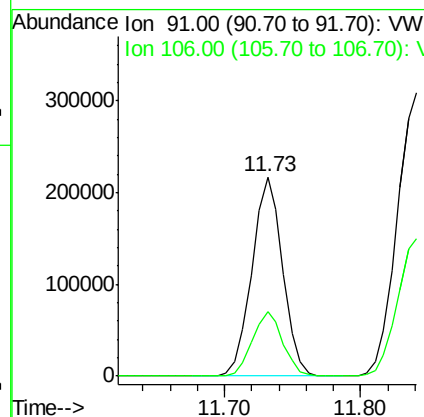
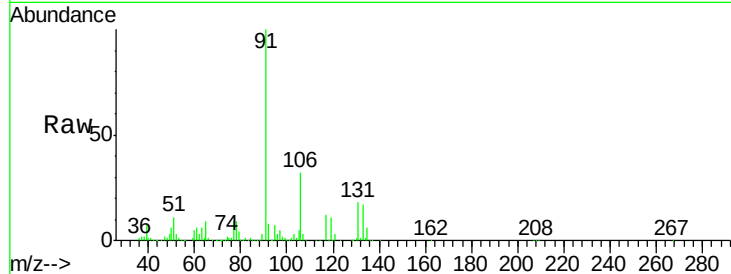
#67
Ethyl Benzene
Concen: 21.094 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampled :
VW0221SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	32.3	25.0	37.6	

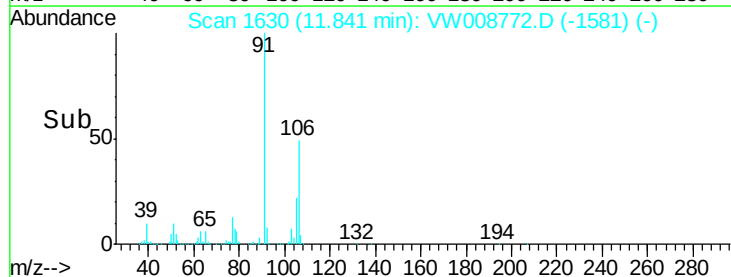
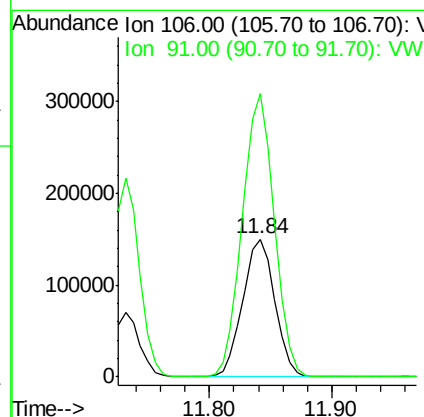
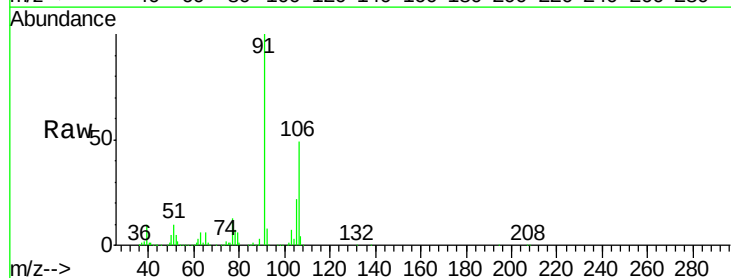
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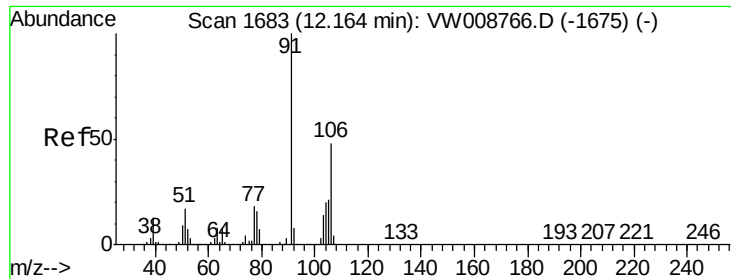
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#68
m/p-Xylenes
Concen: 42.056 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	204.1	161.5	242.3	





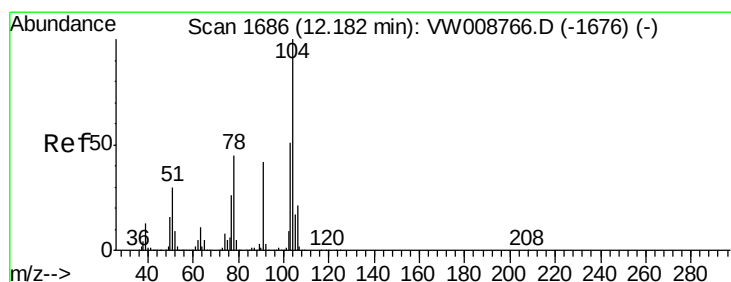
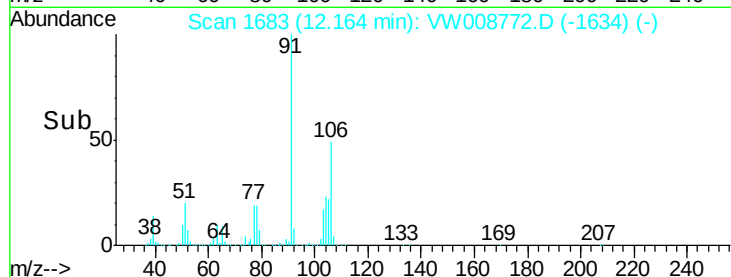
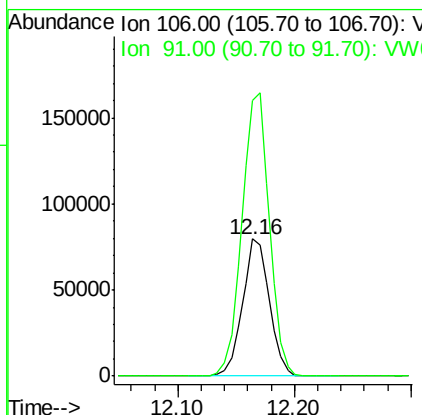
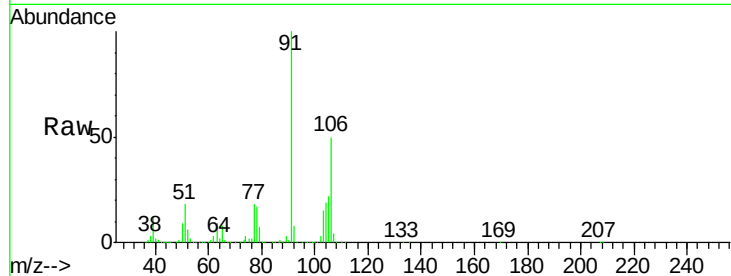
#69
o-Xylene
Concen: 20.906 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	127687		
91	91	210.9	106.2	318.6	

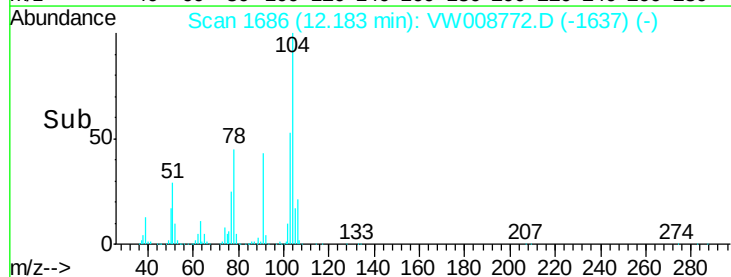
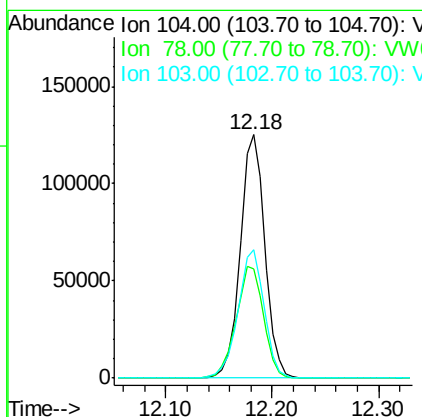
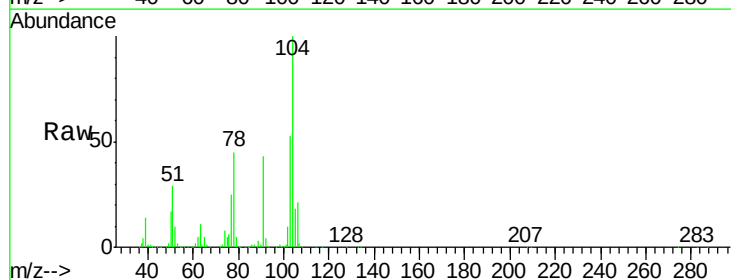
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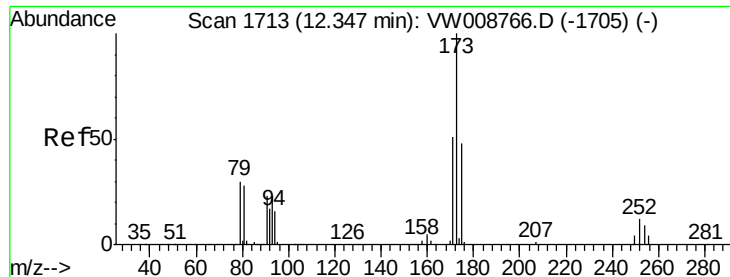
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#70
Styrene
Concen: 20.661 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	203013		
78	78	51.0	40.8	61.2	
103	103	56.0	44.2	66.2	





#71

Bromoform

Concen: 20.984 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

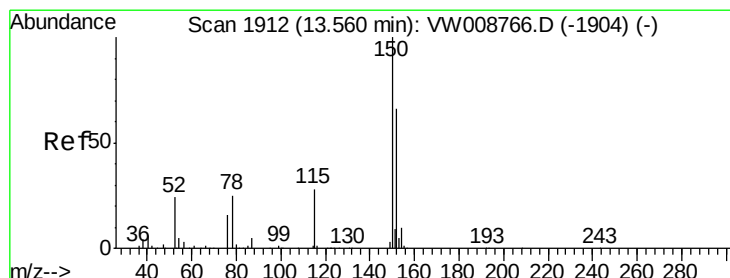
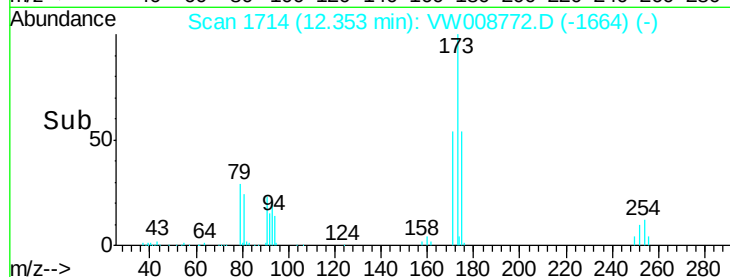
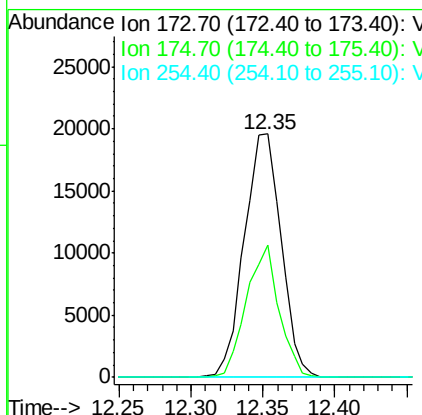
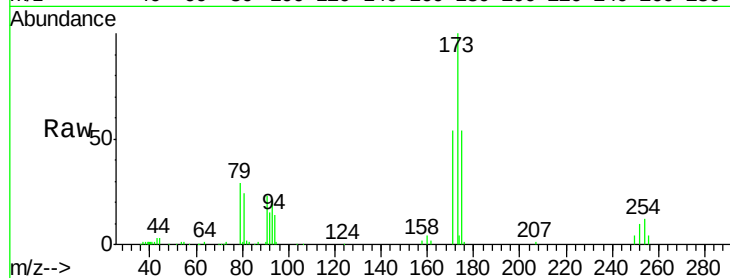
ClientSampleId :

VW0221SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.2	72.6
254	0.0	0.2	0.4

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

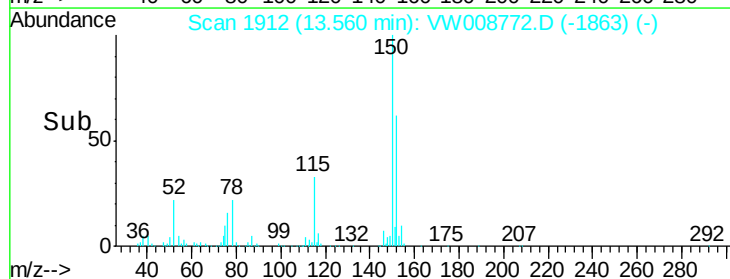
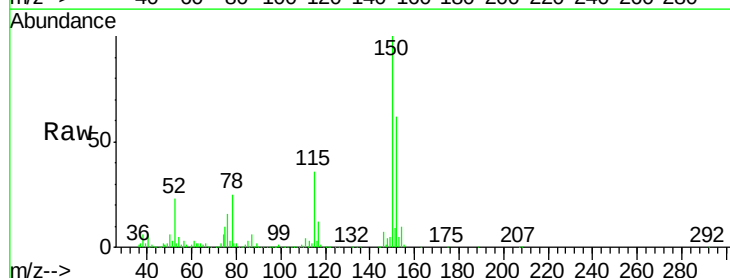
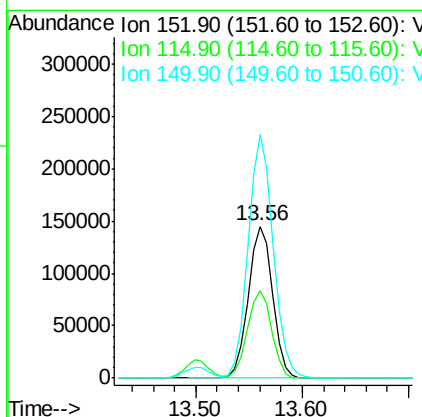
RT: 13.56 min Scan# 1912

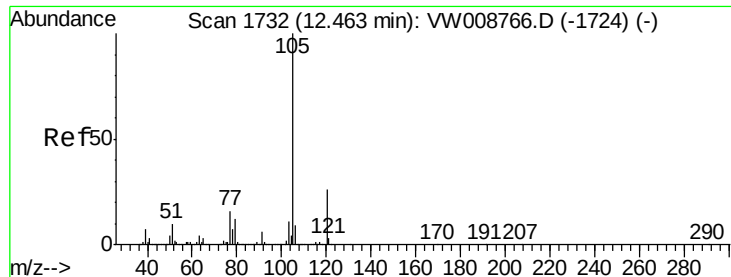
Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.6	85.8
150	165.6	0.0	348.0





#73

Isopropylbenzene

Concen: 22.136 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 105 Resp: 351463

Ion Ratio Lower Upper

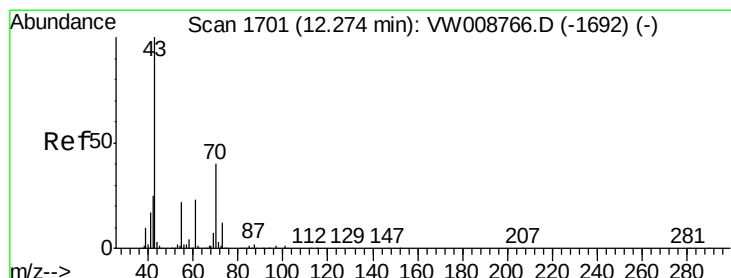
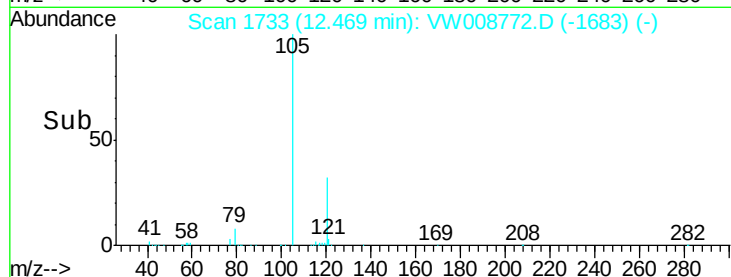
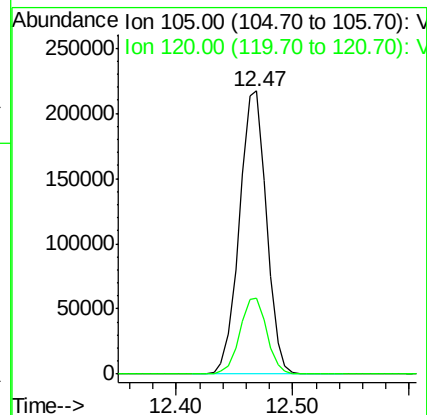
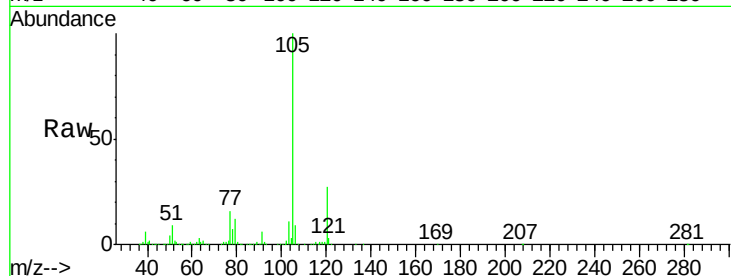
105 100

120 26.7 13.3 39.9

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#74

N-ethyl acetate

Concen: 20.520 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion: 43 Resp: 82069

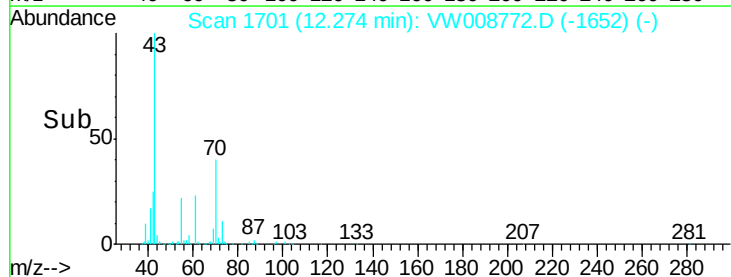
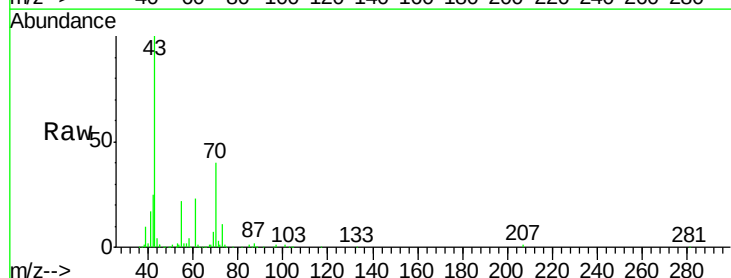
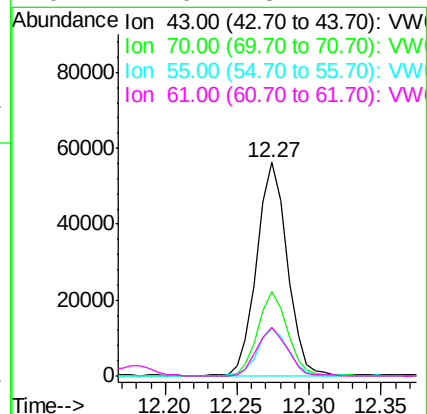
Ion Ratio Lower Upper

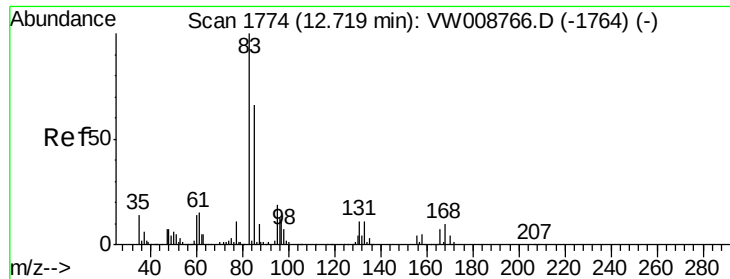
43 100

70 39.6 31.0 46.6

55 22.6 18.7 28.1

61 22.6 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.695 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

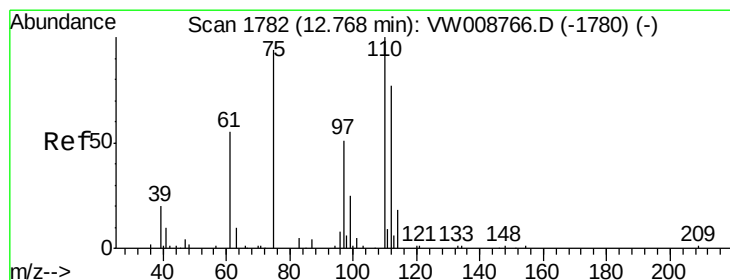
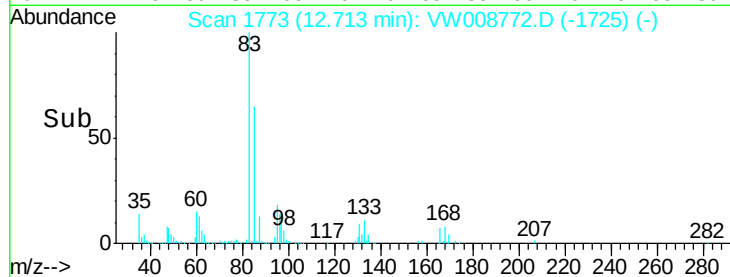
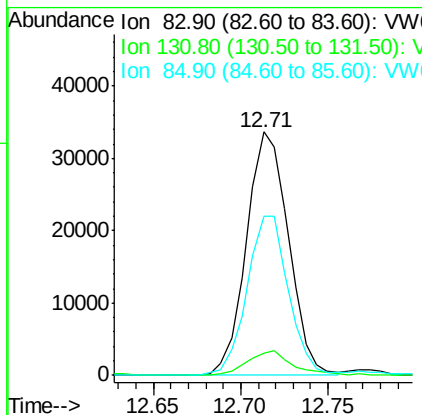
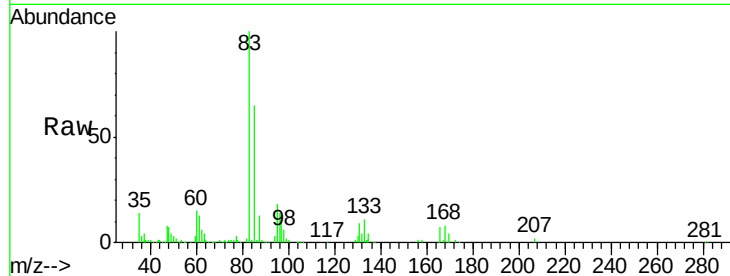
ClientSampleId :

VW0221SBSD01

Tot Ion:	83	Resp:	56285
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.7
85	64.4	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 16.652 ug/l m

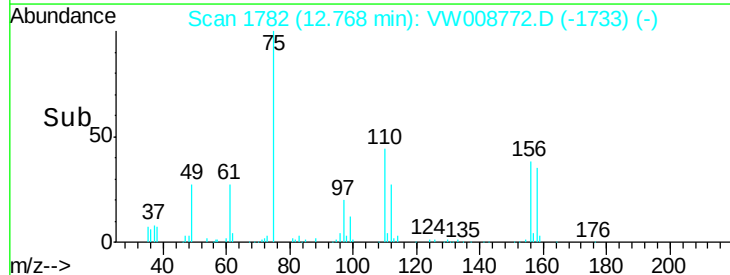
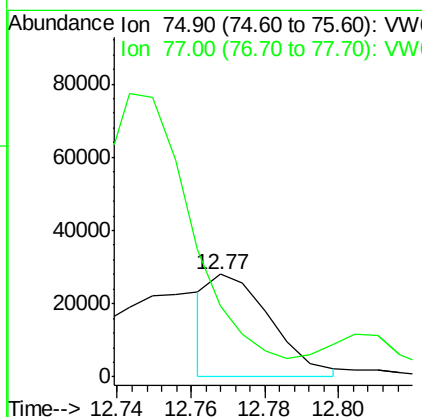
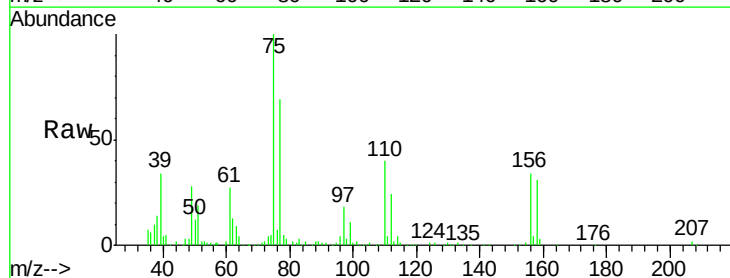
RT: 12.77 min Scan# 1782

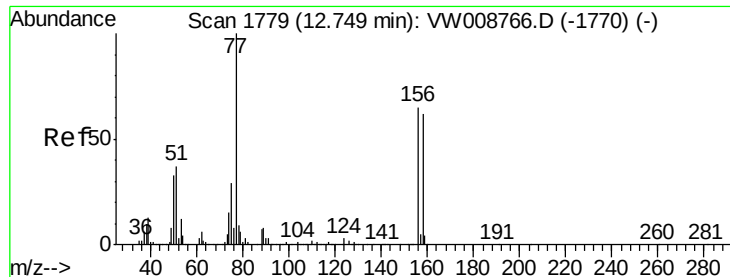
Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion:	75	Resp:	31842
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.756 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

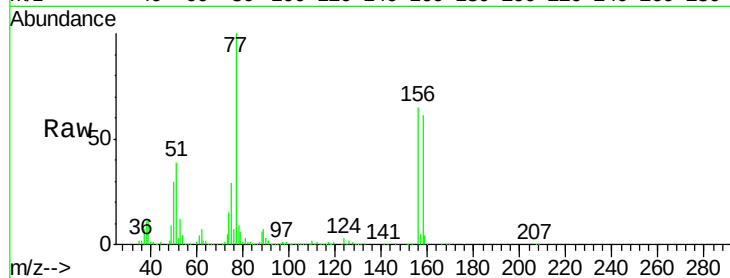
ClientSampleId :

VW0221SBS01

Tot Ion:	156	Resp:	81632
Ion Ratio	Lower	Upper	
156	100		
77	176.4	89.1	267.4
158	96.3	49.2	147.6

Manual Integrations
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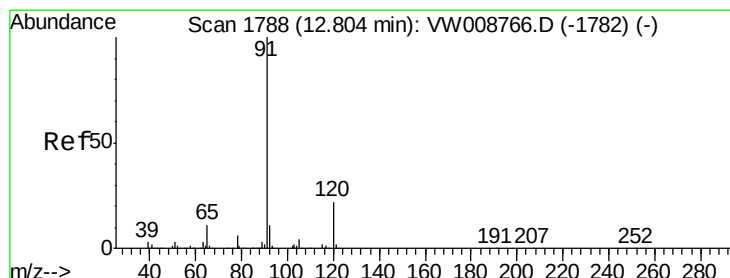
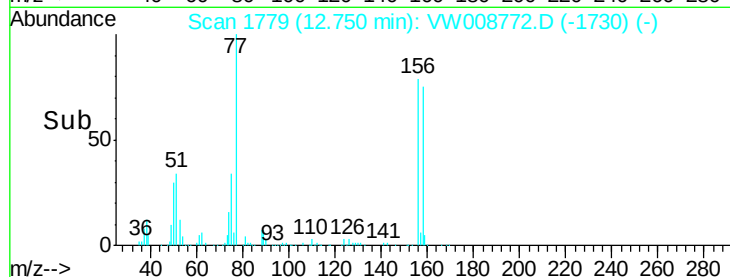
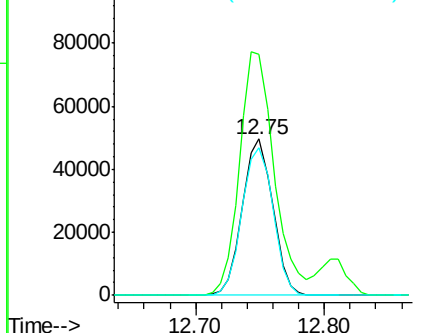
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.095 ug/l

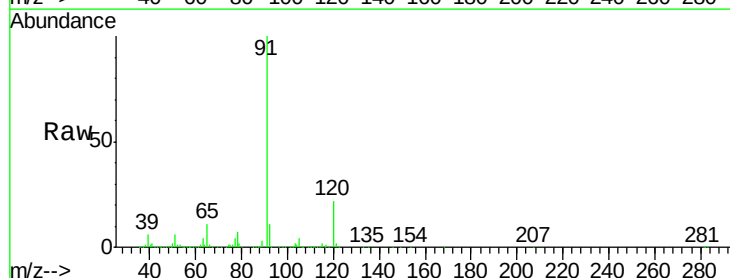
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008772.D

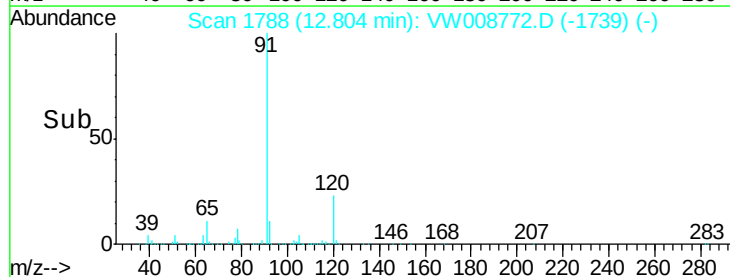
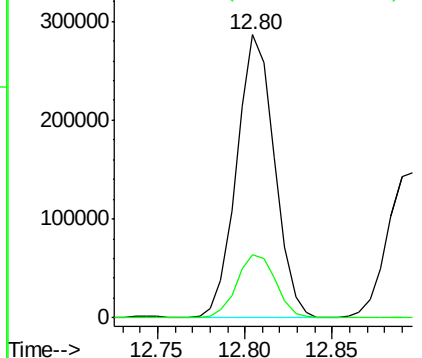
Acq: 21 Feb 2019 16:21

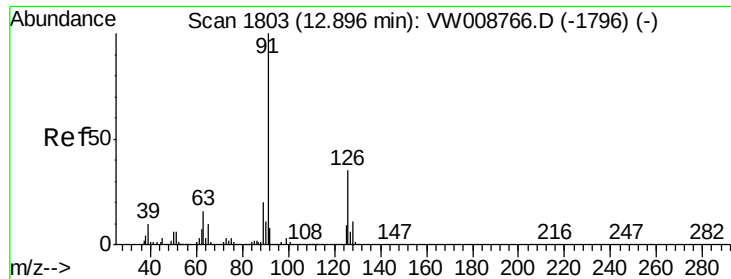
Tgt Ion:	91	Resp:	429129
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





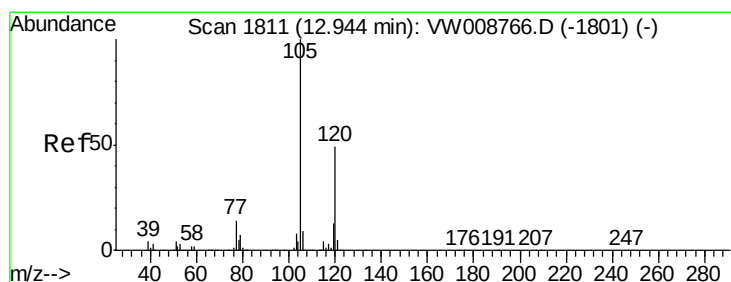
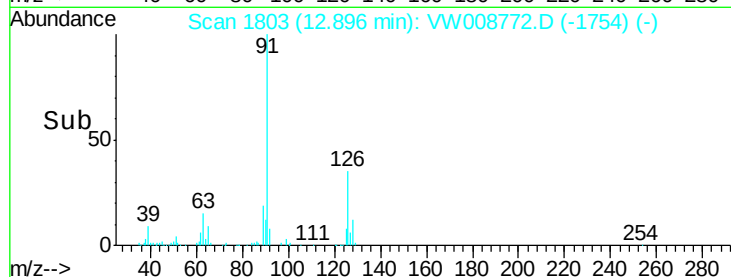
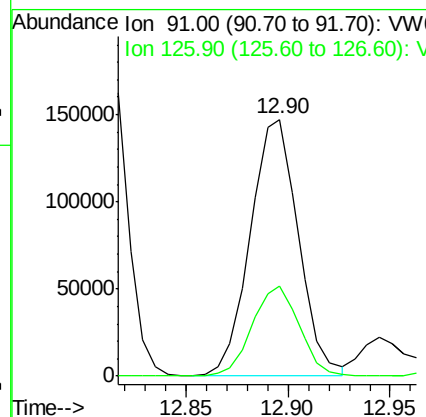
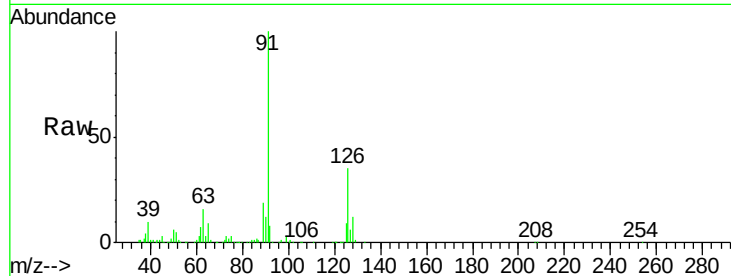
#79
 2-Chlorotoluene
 Concen: 21.808 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampled :
 VW0221SBS01

Tot Ion: 91 Resp: 240476
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.0 51.0

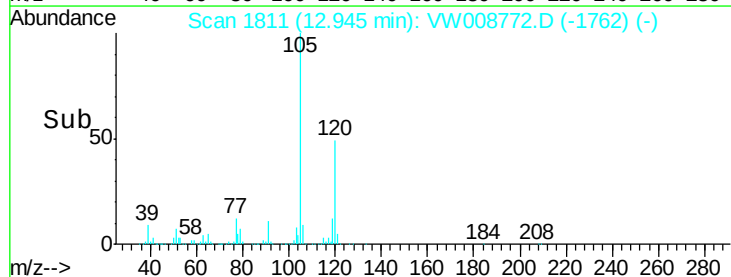
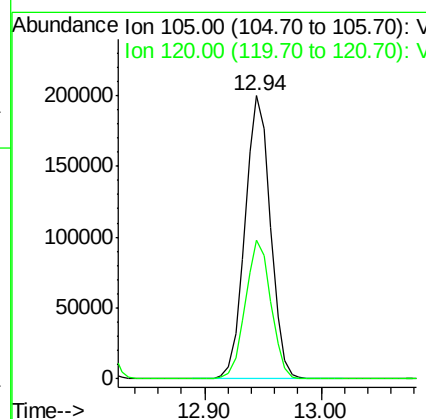
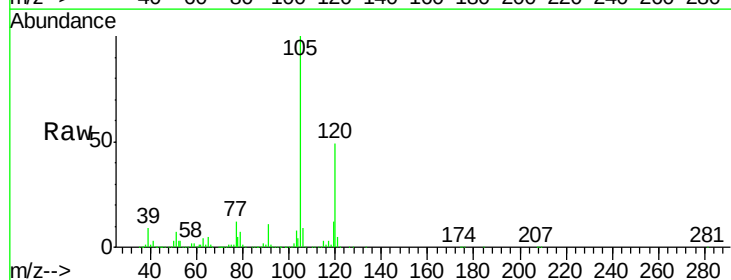
Manual Integrations
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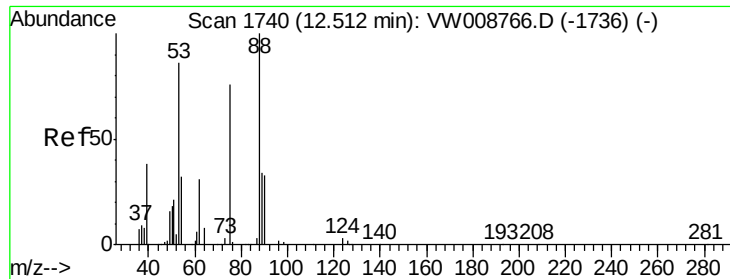
MMDadoda
 2/22/2019 12:25:51 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.072 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion: 105 Resp: 304555
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.313 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

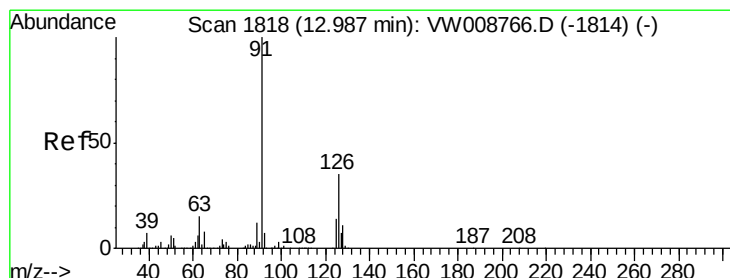
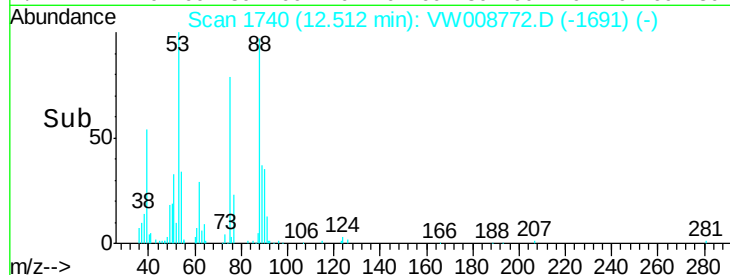
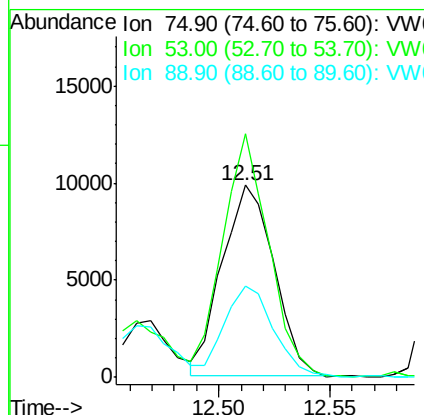
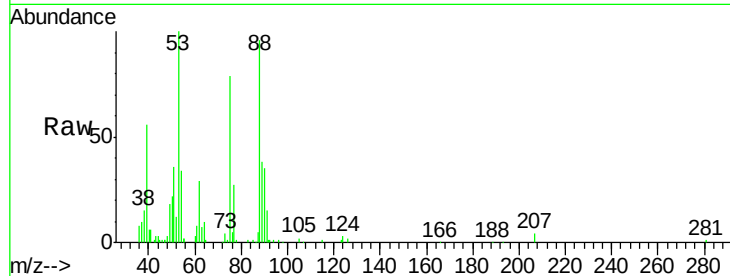
ClientSampleId :

VW0221SBSD01

Tot Ion:	75	Resp:	15978
Ion	Ratio	Lower	Upper
75	100		
53	113.4	88.2	132.2
89	46.0	39.5	59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.472 ug/l

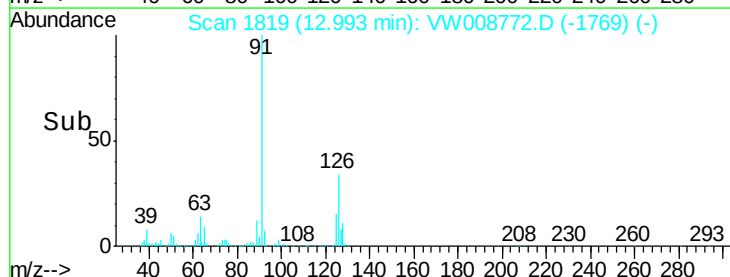
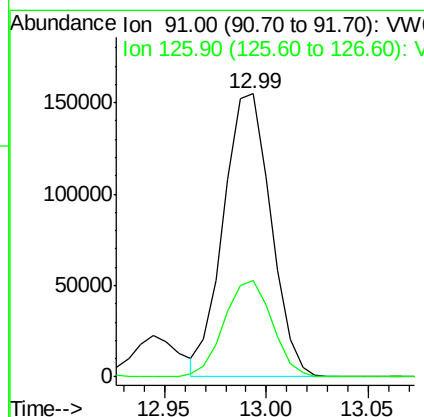
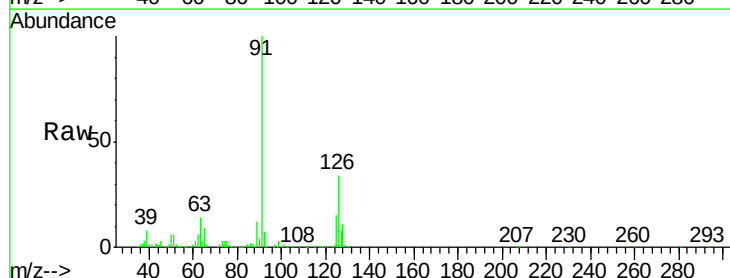
RT: 12.99 min Scan# 1819

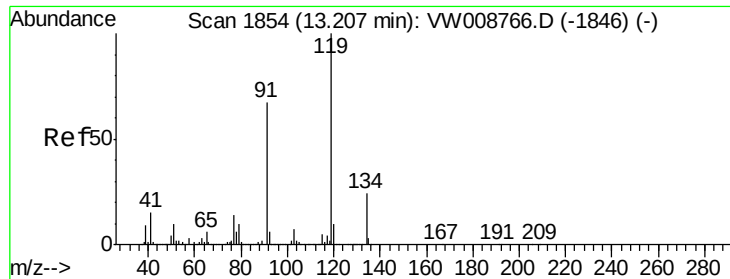
Delta R.T. 0.01 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Tgt Ion:	91	Resp:	249516
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.6





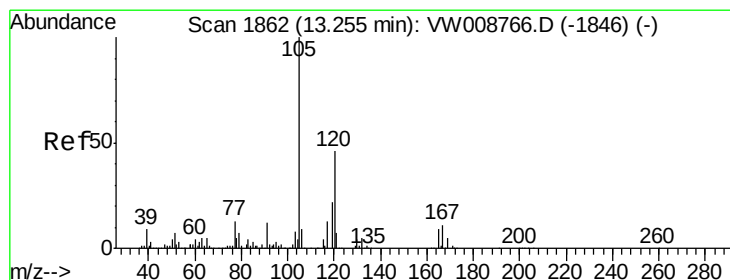
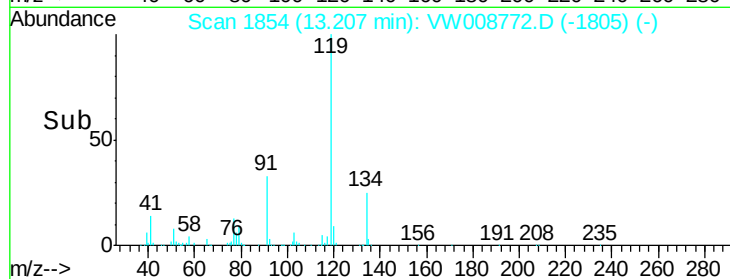
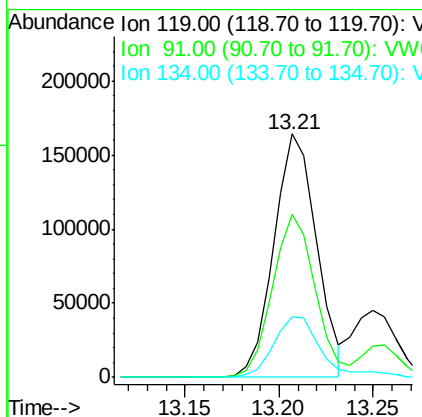
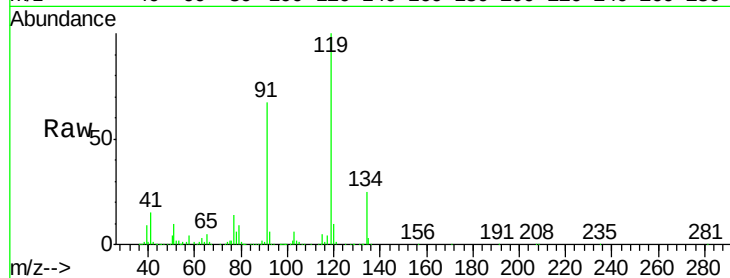
#83
 tert-Butylbenzene
 Concen: 21.627 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	28.1	13.7	41.1

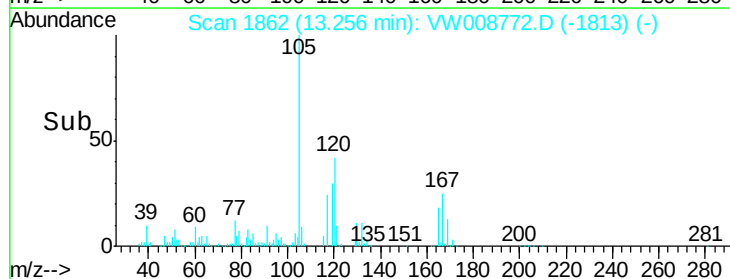
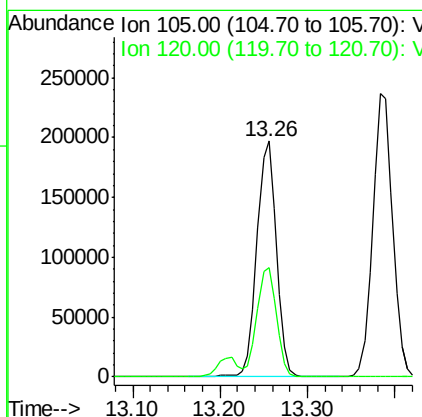
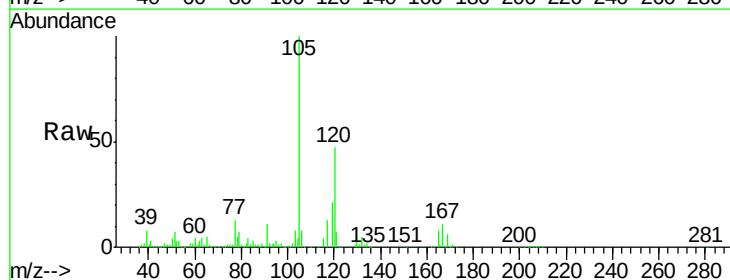
Manual Integrations
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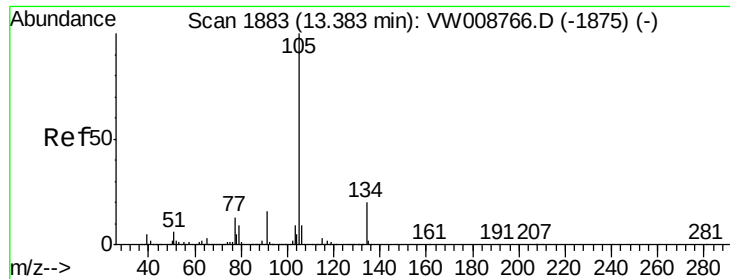
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.339 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 21.821 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleID :

VW0221SBS01

Tot Ion:105 Resp: 374345

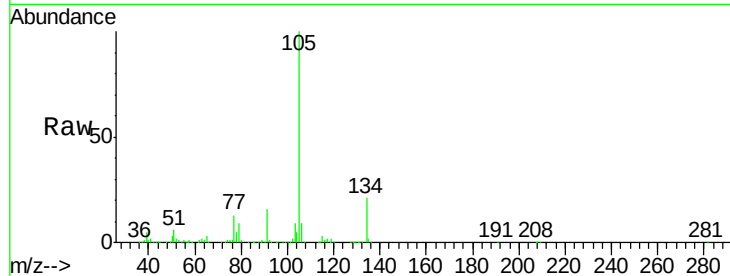
Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.1

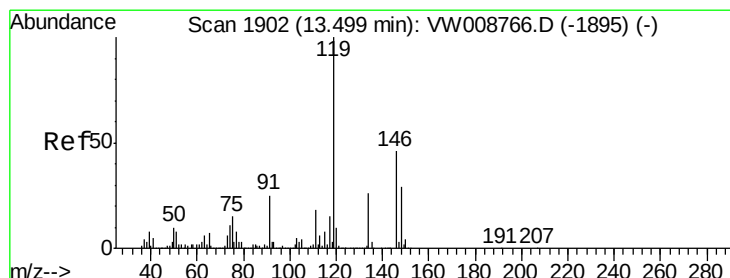
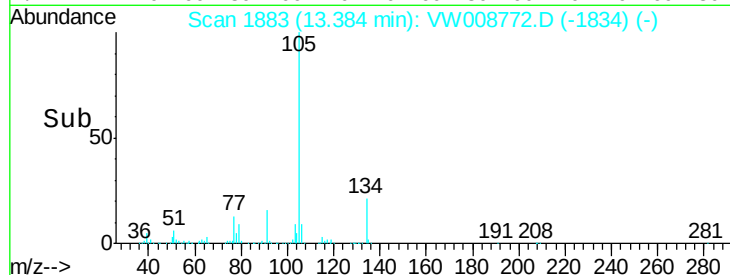
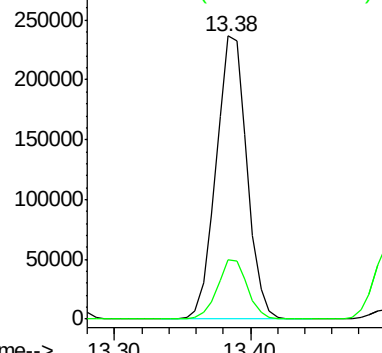
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.335 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008772.D

Acq: 21 Feb 2019 16:21

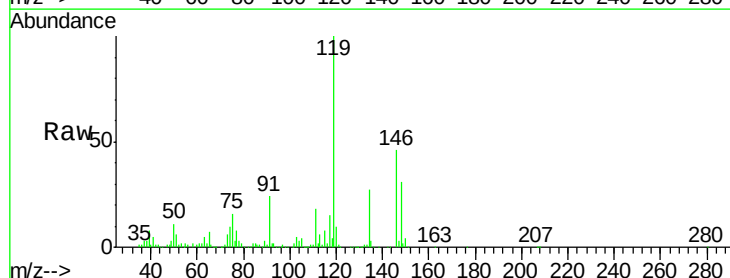
Tgt Ion:119 Resp: 335537

Ion Ratio Lower Upper

119 100

134 27.3 13.1 39.3

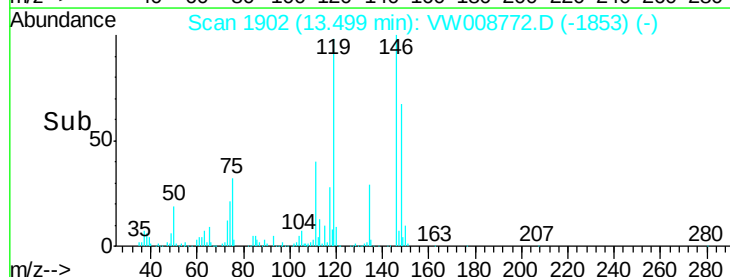
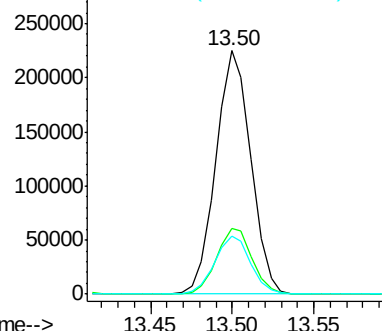
91 24.2 12.1 36.3

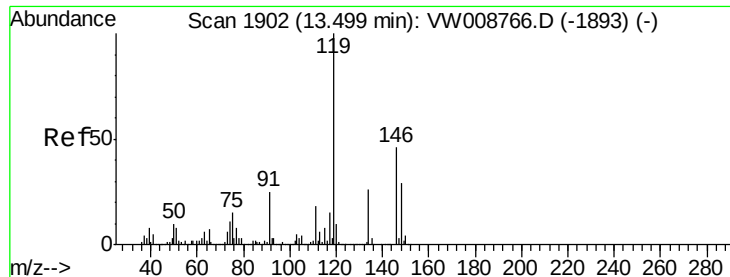


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





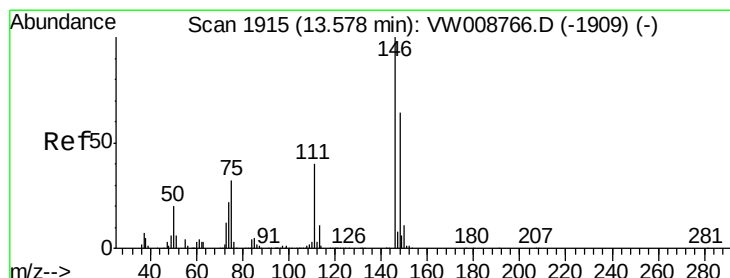
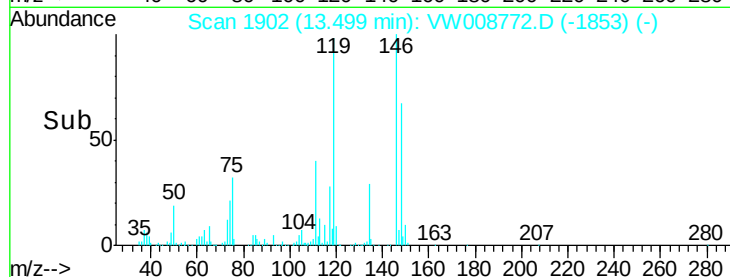
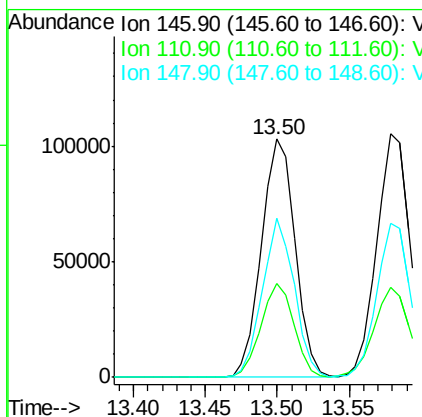
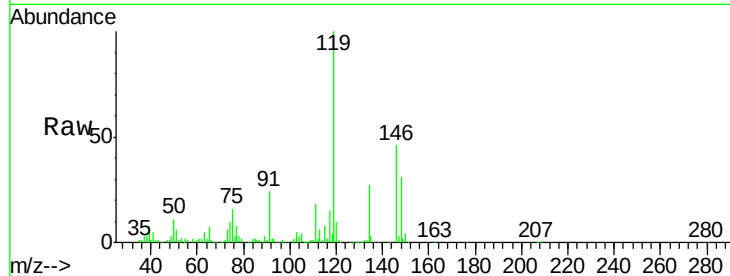
#87
 1,3-Dichlorobenzene
 Concen: 21.432 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166838		
111	38.8	19.9	59.7	
148	63.1	31.6	94.8	

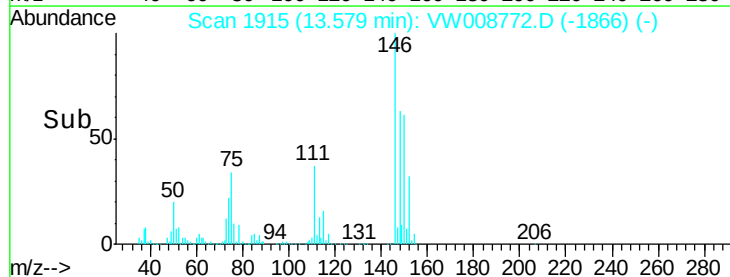
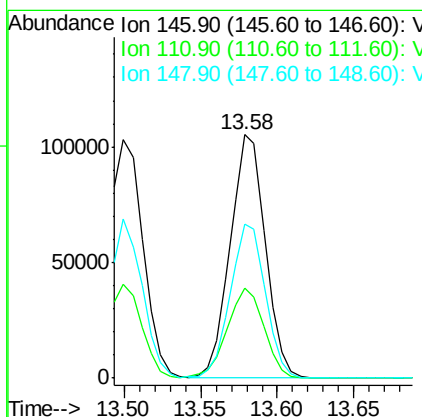
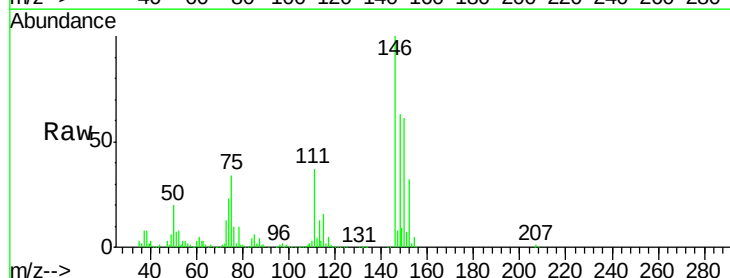
Manual Integrations
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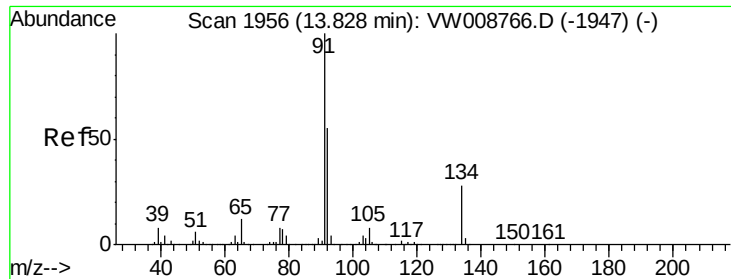
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 21.877 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	167848		
111	38.9	19.3	57.9	
148	63.5	31.9	95.9	





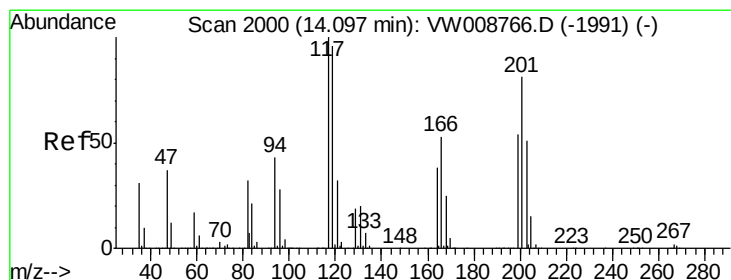
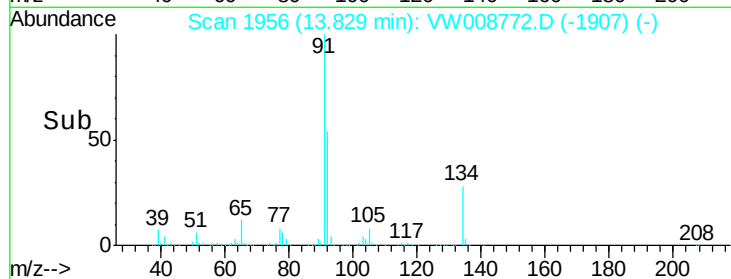
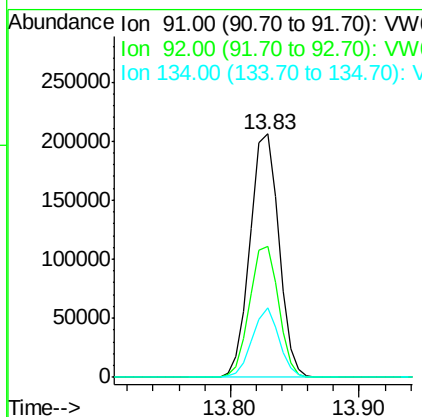
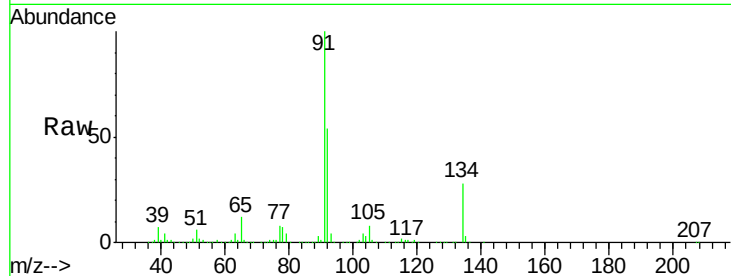
#89
n-Butylbenzene
Concen: 21.524 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	317127		
92	54.0	26.8	80.4	
134	26.5	13.5	40.4	

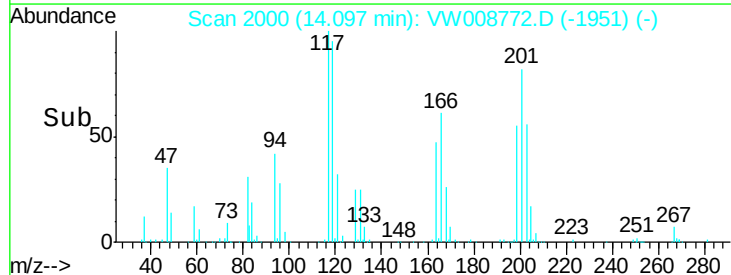
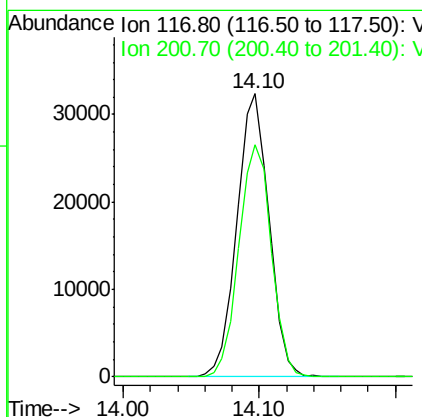
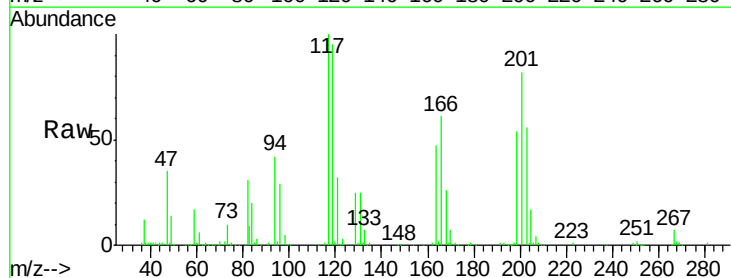
Manual Integrations
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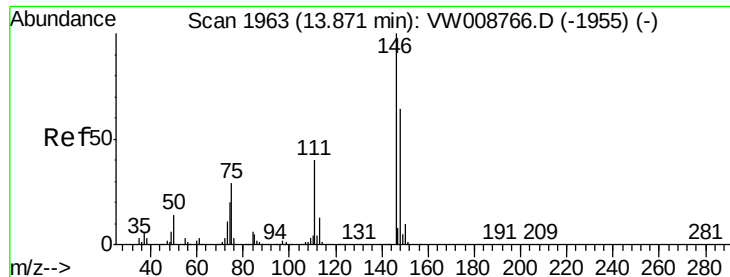
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#90
Hexachloroethane
Concen: 20.746 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	53412		
201	82.9	40.3	120.8	





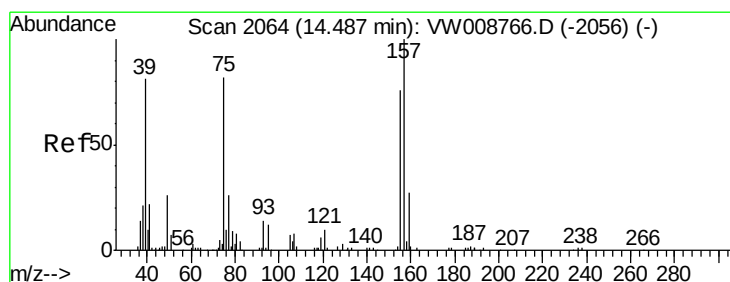
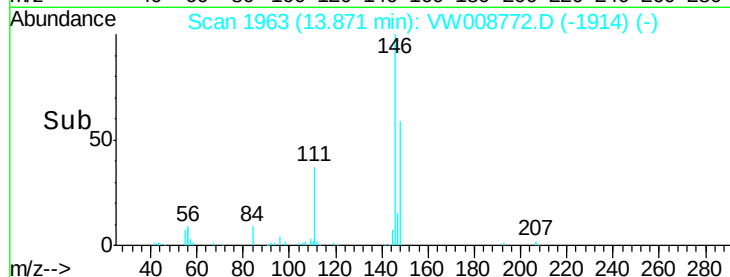
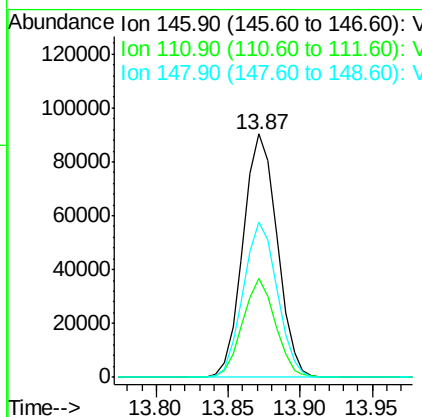
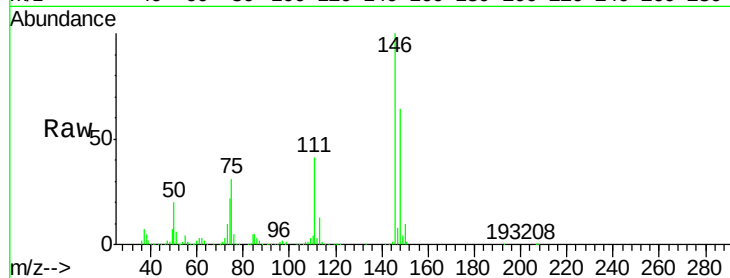
#91
 1,2-Dichlorobenzene
 Concen: 21.341 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.3	60.8
148	63.6	32.5	97.5

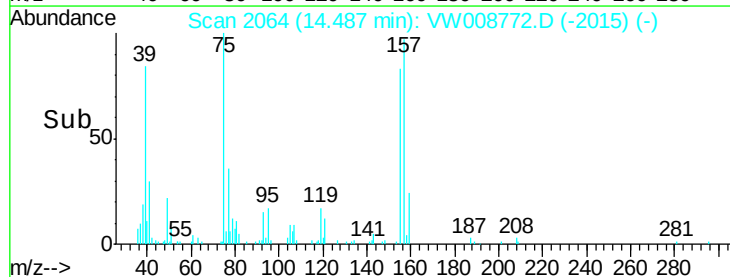
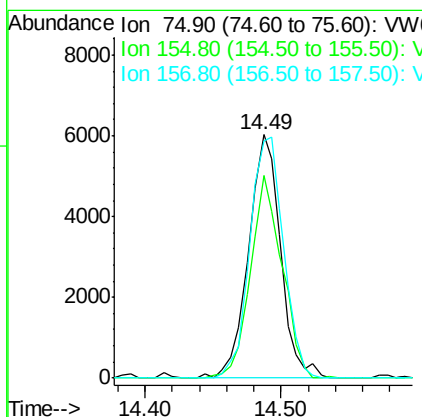
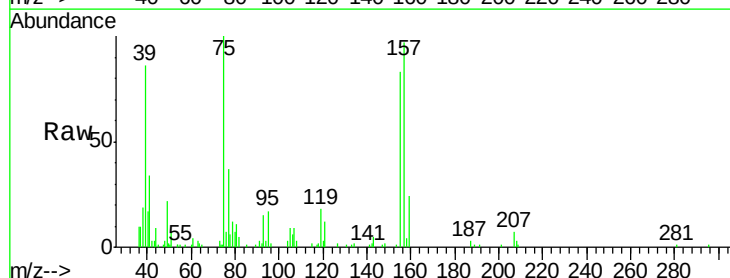
Manual Integrations
 APPROVED

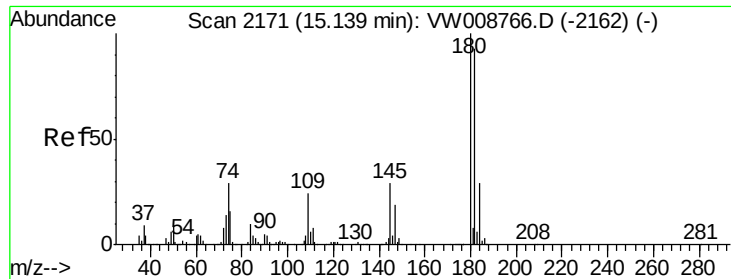
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.244 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	41.8	125.4
157	103.8	56.6	169.9





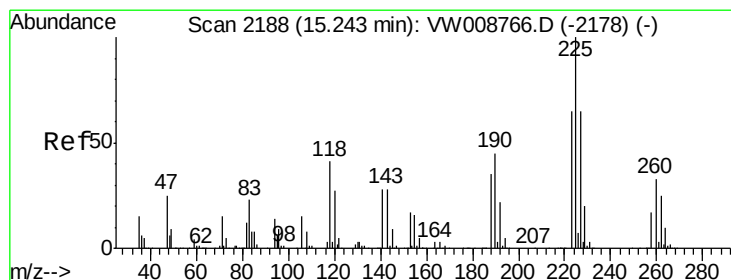
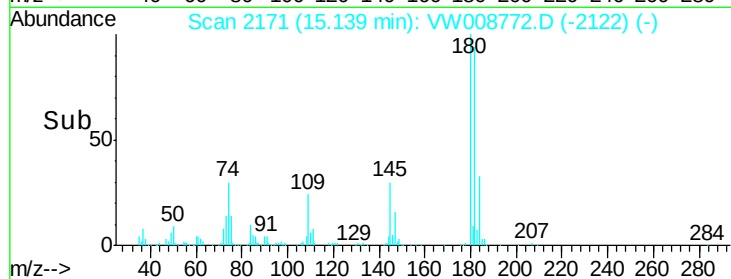
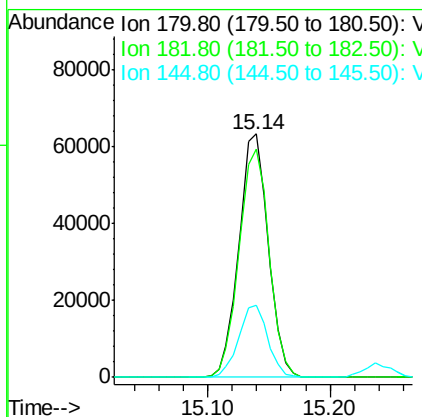
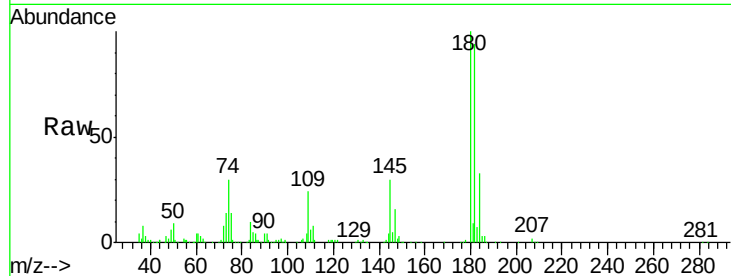
#93
 1,2,4-Trichlorobenzene
 Concen: 21.117 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105537		
182	95.9	47.2	141.6	
145	29.5	14.4	43.0	

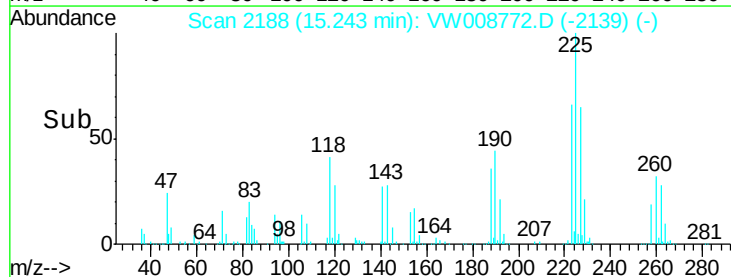
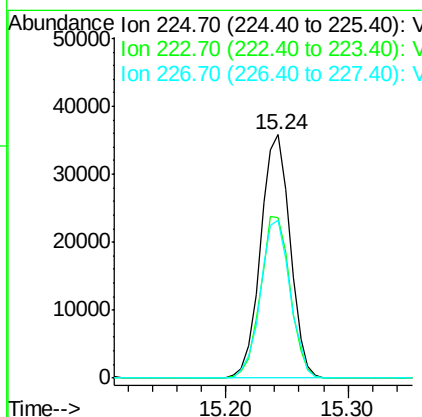
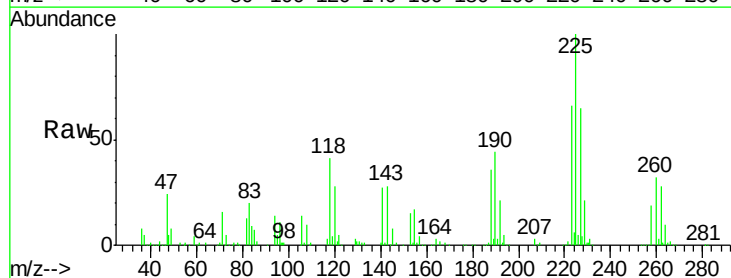
Manual Integrations
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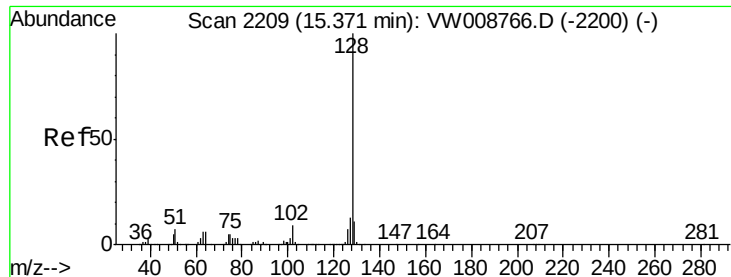
MMDadoda
 2/22/2019 12:25:51 PM



#94
 Hexachlorobutadiene
 Concen: 20.491 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008772.D
 Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60323		
223	66.8	31.5	94.5	
227	65.5	31.6	94.8	





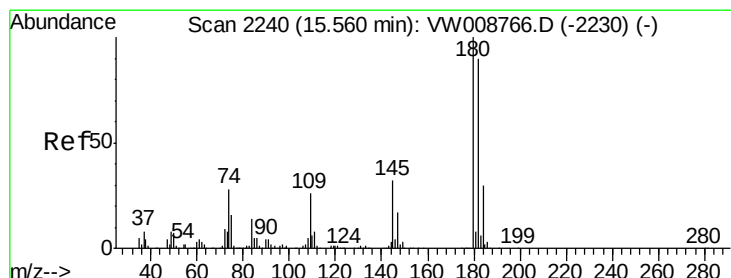
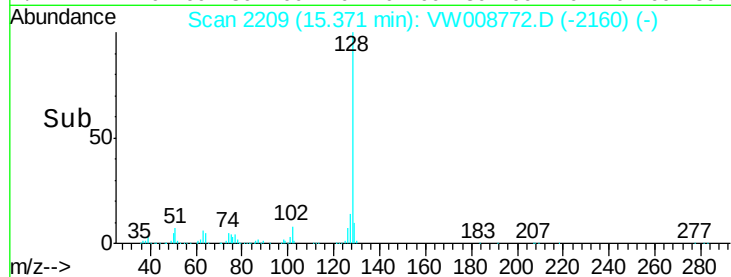
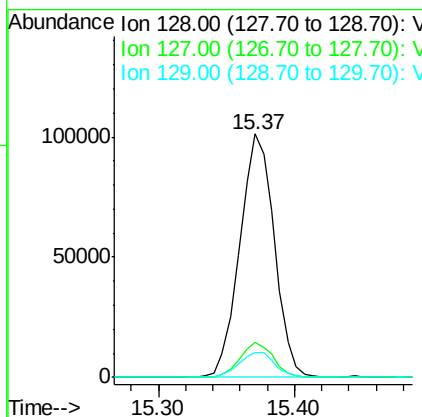
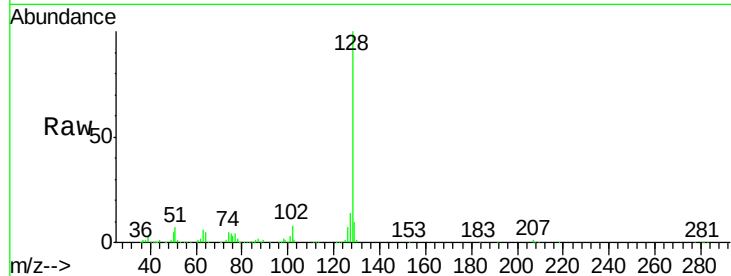
#95
Naphthalene
Concen: 21.127 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/22/2019 12:25:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.286 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008772.D
Acq: 21 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.8
145	31.7	15.9	47.6

