

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008192.D
 Acq On : 11 Jan 2019 14:11
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 1/14/2019 2:41:44 PM

Quant Time: Jan 12 00:26:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	109306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	184093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	165614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	53811	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	
35) Dibromofluoromethane	7.88	113	53862	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.32	98	224689	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.62	95	75977	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	40512	45.413	ug/l	97
3) Chloromethane	2.21	50	50833	43.922	ug/l	95
4) Vinyl Chloride	2.37	62	75734	50.138	ug/l	95
5) Bromomethane	2.78	94	54173	47.876	ug/l	99
6) Chloroethane	2.93	64	48855	42.982	ug/l	100
7) Trichlorofluoromethane	3.26	101	55486	45.184	ug/l	98
8) Diethyl Ether	3.67	74	31339	45.143	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59897	49.127	ug/l	98
10) Methyl Iodide	4.26	142	89780	50.525	ug/l	99
11) Tert butyl alcohol	5.20	59	16223	211.333	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	58972	49.266	ug/l	97
13) Acrolein	3.89	56	22273	272.459	ug/l	98
14) Allyl chloride	4.66	41	104497	48.082	ug/l	99
15) Acrylonitrile	5.37	53	59303	224.377	ug/l	100
16) Acetone	4.13	43	61466	280.970	ug/l	98
17) Carbon Disulfide	4.37	76	185597	49.633	ug/l	100
18) Methyl Acetate	4.67	43	36149	46.557	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	87347	44.885	ug/l	96
20) Methylene Chloride	4.91	84	62169	51.548	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	66057	50.781	ug/l	93
22) Diisopropyl ether	6.31	45	192961	46.554	ug/l	98
23) Vinyl Acetate	6.25	43	499555	229.482	ug/l	99
24) 1,1-Dichloroethane	6.21	63	115146	47.679	ug/l	98
25) 2-Butanone	7.18	43	80004	234.060	ug/l	99
26) 2,2-Dichloropropane	7.16	77	79185	48.391	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	70042	49.351	ug/l	96
28) Bromochloromethane	7.51	49	43755	45.805	ug/l	95
29) Tetrahydrofuran	7.53	42	48875	214.060	ug/l	98
30) Chloroform	7.67	83	112108	48.769	ug/l	97
31) Cyclohexane	7.95	56	115249	44.577	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	99133	49.562	ug/l	99
36) 1,1-Dichloropropene	8.08	75	97230	51.272	ug/l	99
37) Ethyl Acetate	7.25	43	33706	44.366	ug/l	97
38) Carbon Tetrachloride	8.07	117	90757	52.289	ug/l	98

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

39) Methylcyclohexane	9.34	83	124172	51.641	ug/l	93
40) Benzene	8.32	78	265990	51.715	ug/l	100
41) Methacrylonitrile	7.48	41	19734	41.119	ug/l	95
42) 1,2-Dichloroethane	8.40	62	68153	47.112	ug/l	98
43) Isopropyl Acetate	8.42	43	68349	44.996	ug/l	99
44) Trichloroethene	9.09	130	70372	53.448	ug/l	98
45) 1,2-Dichloropropane	9.37	63	64562	50.623	ug/l	98
46) Dibromomethane	9.46	93	30143	48.126	ug/l	95
47) Bromodichloromethane	9.64	83	79640	50.076	ug/l	98
48) Methyl methacrylate	9.44	41	32453	45.278	ug/l	93
49) 1,4-Dioxane	9.46	88	9450	938.195	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	164389	223.574	ug/l	99
52) Toluene	10.39	92	168760	51.376	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	81590	49.321	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	96935	49.415	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44278	50.352	ug/l	99
56) Ethyl methacrylate	10.65	69	51934	47.689	ug/l	99
57) 1,3-Dichloropropane	10.93	76	76504	47.570	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	128561	228.540	ug/l	99
59) 2-Hexanone	10.97	43	119363	240.056	ug/l	100
60) Dibromochloromethane	11.13	129	51159	52.979	ug/l	99
61) 1,2-Dibromoethane	11.24	107	40997	49.134	ug/l	99
64) Tetrachloroethene	10.87	164	56379	52.309	ug/l	95
65) Chlorobenzene	11.66	112	178135	50.770	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	59335	51.993	ug/l	98
67) Ethyl Benzene	11.73	91	327784	51.058	ug/l	99
68) m/p-Xylenes	11.84	106	251284	102.549	ug/l	98
69) o-Xylene	12.17	106	115323	50.822	ug/l	97
70) Styrene	12.18	104	188337	52.989	ug/l	98
71) Bromoform	12.35	173	27796	54.423	ug/l #	97
73) Isopropylbenzene	12.47	105	326610	52.130	ug/l	100
74) N-amyl acetate	12.27	43	63580	45.824	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	47168	47.034	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29314m	40.295	ug/l	
77) Bromobenzene	12.75	156	68419	51.682	ug/l	90
78) n-propylbenzene	12.81	91	394363	51.371	ug/l	99
79) 2-Chlorotoluene	12.90	91	214041	49.976	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	266485	51.759	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15138	48.457	ug/l	96
82) 4-Chlorotoluene	12.99	91	225676	50.030	ug/l	98
83) tert-Butylbenzene	13.21	119	235781	51.765	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	268580	50.579	ug/l	98
85) sec-Butylbenzene	13.39	105	344892	51.691	ug/l	99
86) p-Isopropyltoluene	13.50	119	297091	51.563	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	140602	52.357	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	134675	49.985	ug/l	97
89) n-Butylbenzene	13.83	91	291786	51.707	ug/l	99
90) Hexachloroethane	14.10	117	52180	53.617	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	120043	50.864	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7673	47.543	ug/l	93

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QLast Update : Wed Jan 09 04:40:48 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	82661	52.754	ug/l	97
94) Hexachlorobutadiene	15.24	225	48134	57.393	ug/l	99
95) Naphthalene	15.37	128	142282	48.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	70528	52.800	ug/l	97

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

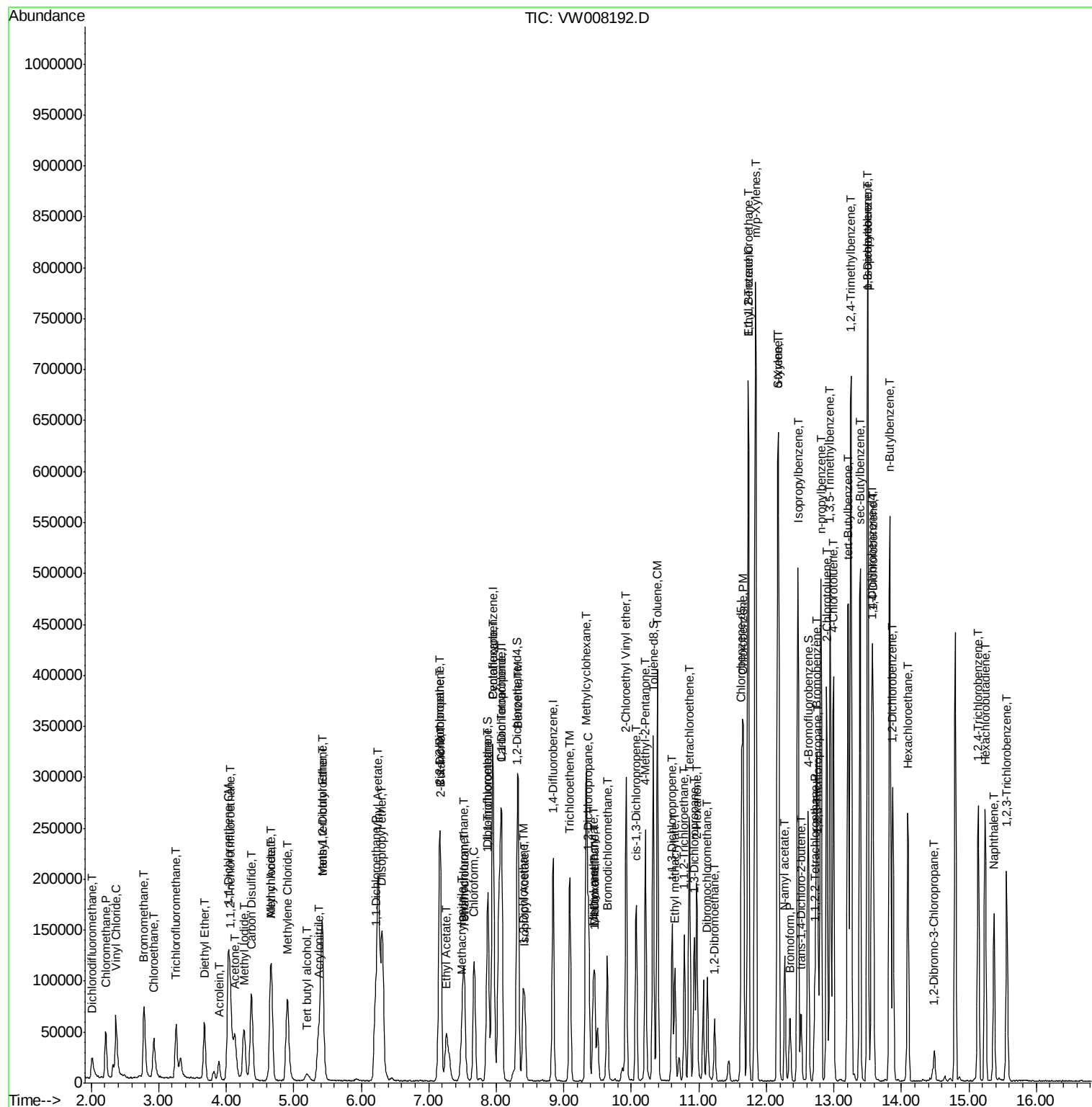
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 Data File : VW008192.D
 Acq On : 11 Jan 2019 14:11
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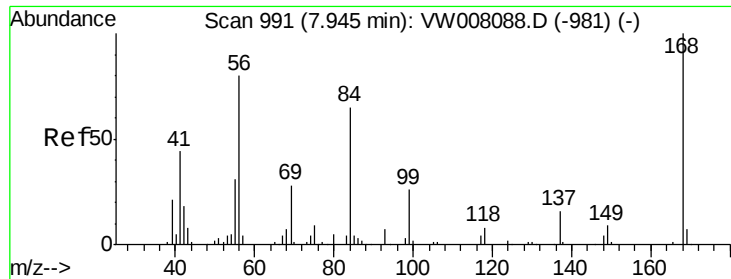
Instrument :
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#1

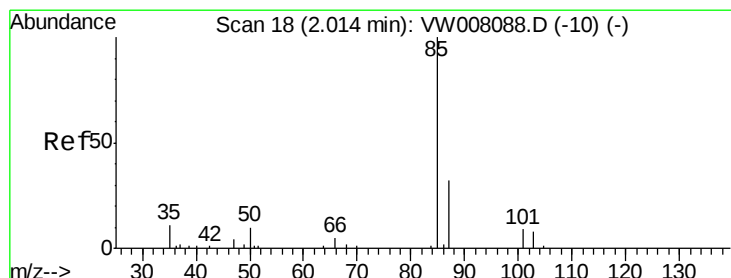
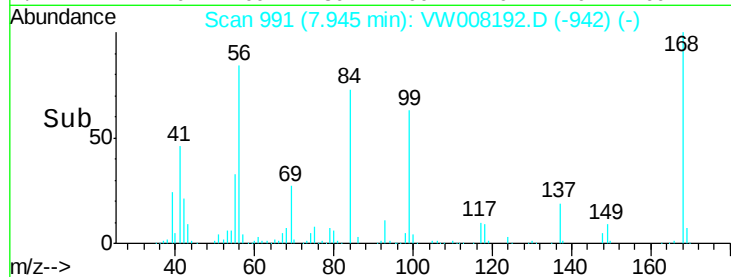
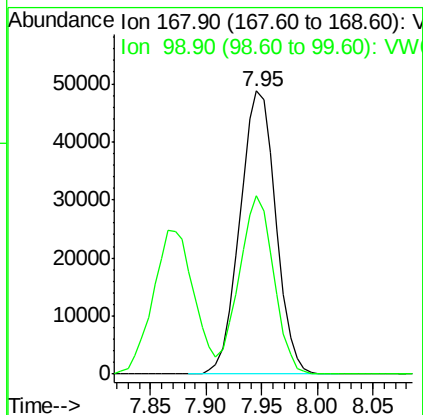
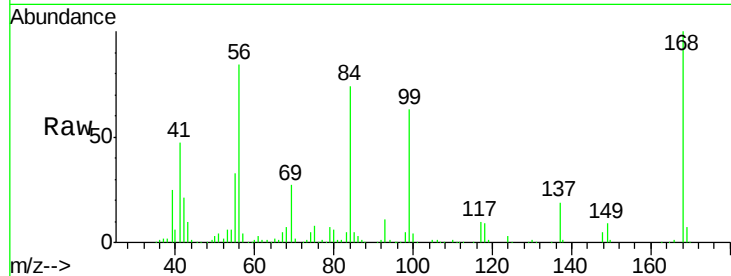
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	63.0	52.6	78.8	

Manual Integrations
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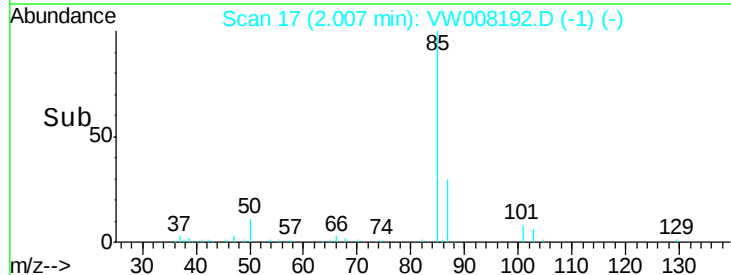
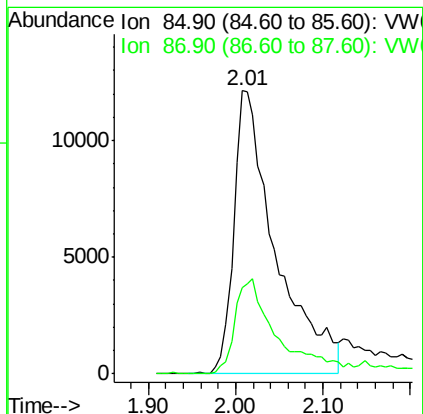
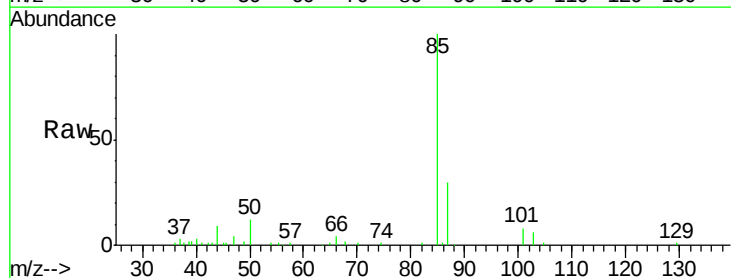
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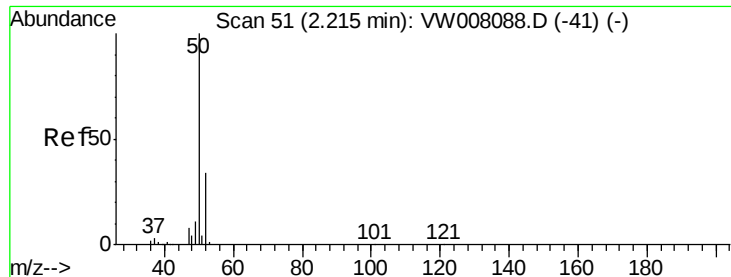


#2

Dichlorodifluoromethane
 Concen: 45.413 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. -0.01 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	30.5	16.1	48.3	





#3

Chloromethane

Concen: 43.922 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 50833

Ion Ratio Lower Upper

50 100

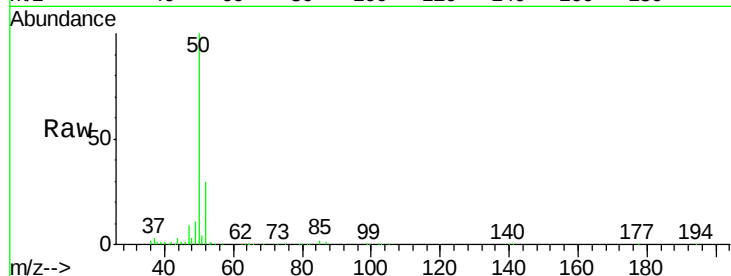
52 30.5 26.8 40.2

Manual Integrations

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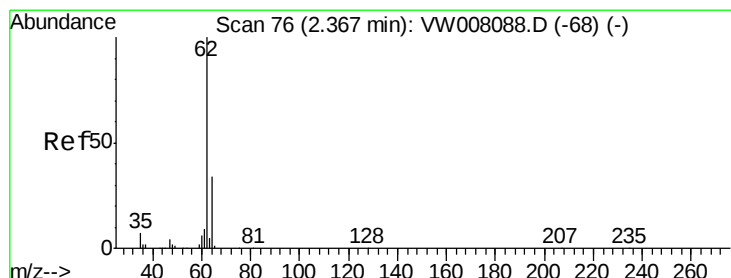
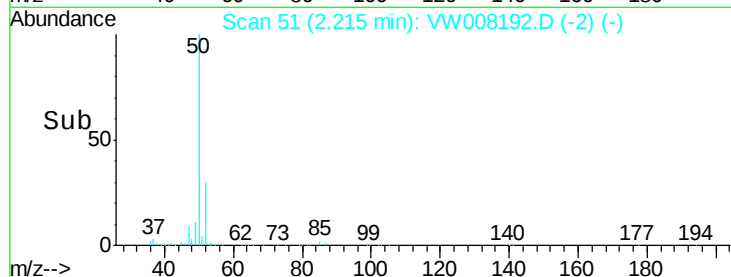
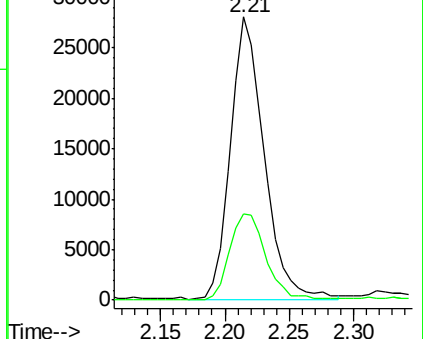
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 50.138 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008192.D

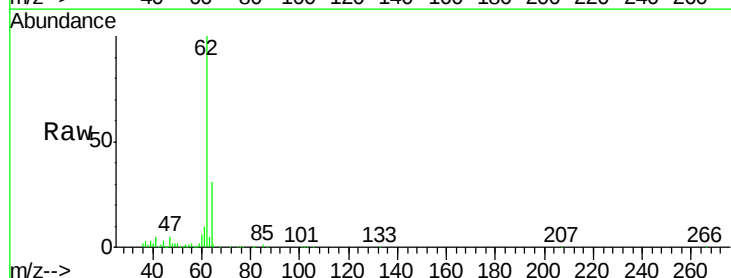
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Tgt Ion: 62 Resp: 75734

Ion Ratio Lower Upper

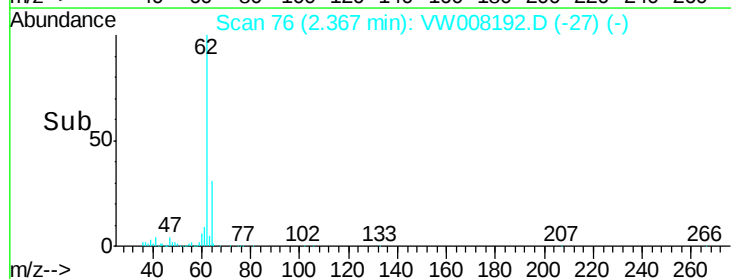
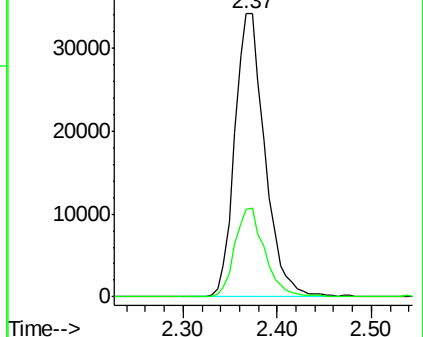
62 100

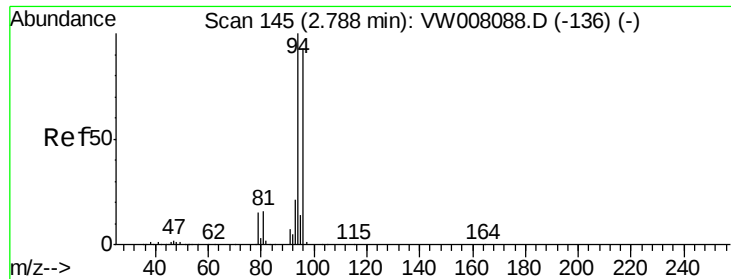
64 30.7 27.0 40.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 47.876 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 54173

Ion Ratio Lower Upper

94 100

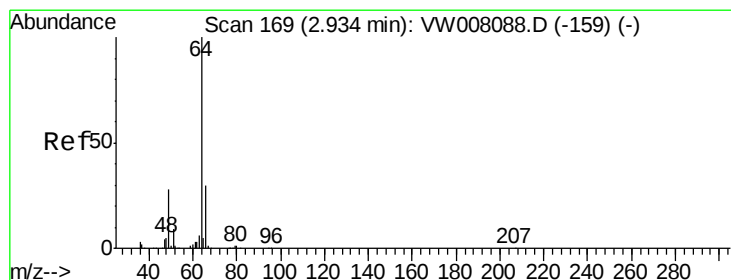
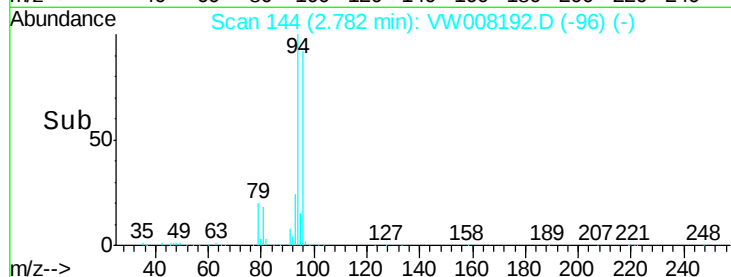
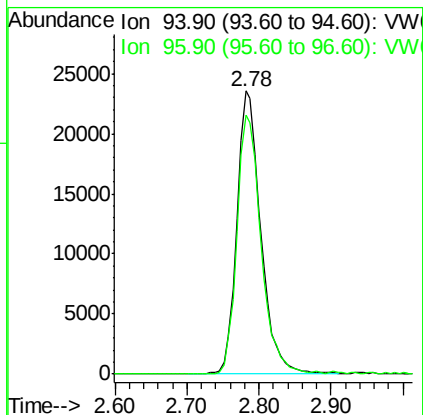
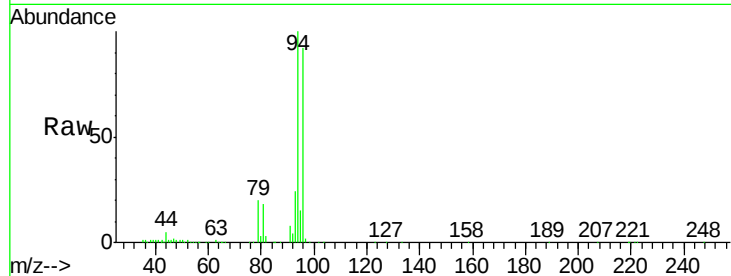
96 91.6 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 42.982 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008192.D

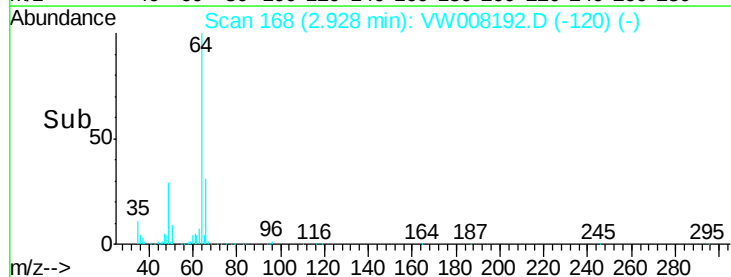
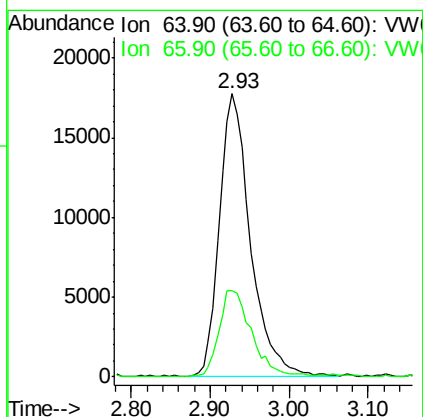
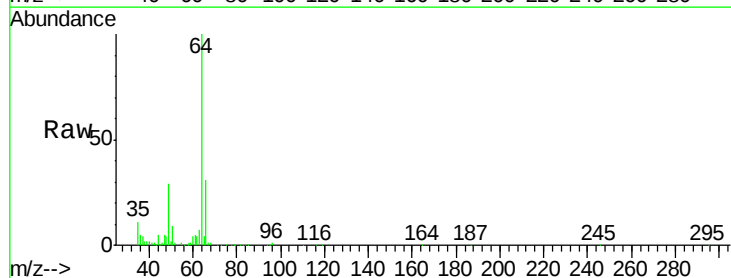
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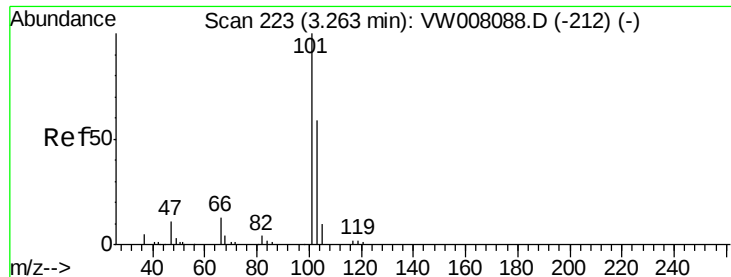
Tgt Ion: 64 Resp: 48855

Ion Ratio Lower Upper

64 100

66 30.3 24.2 36.2





#7

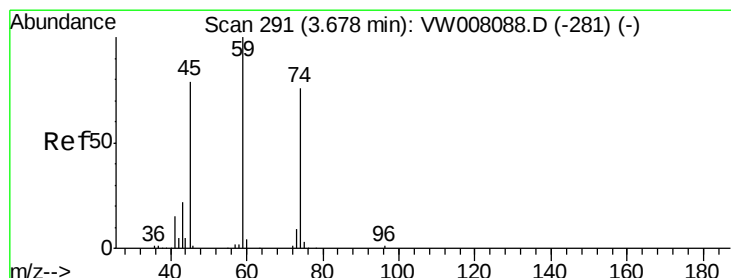
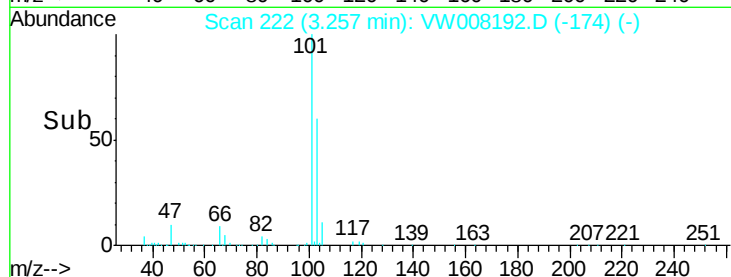
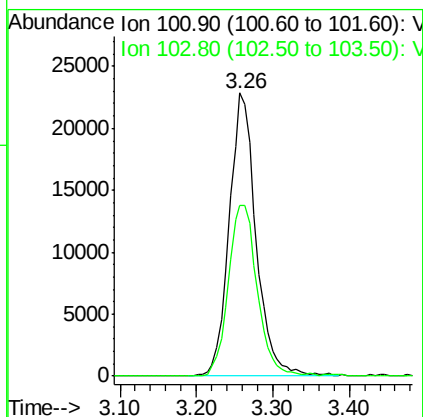
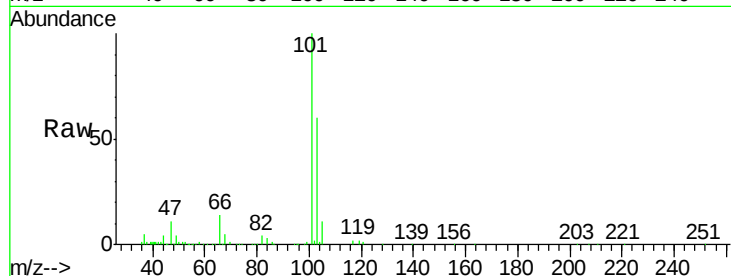
Trichlorofluoromethane
 Concen: 45.184 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.1	47.0	70.6

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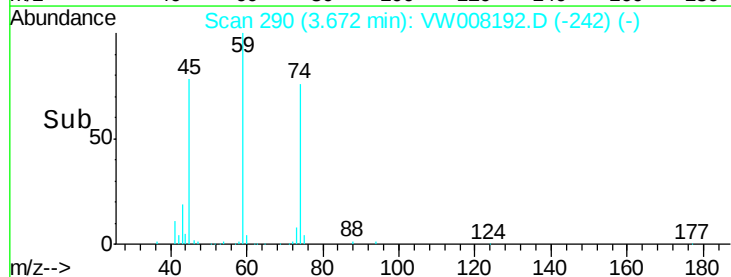
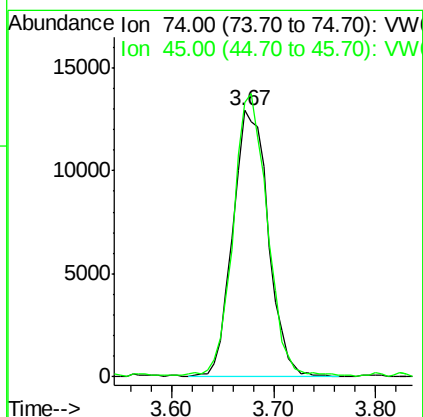
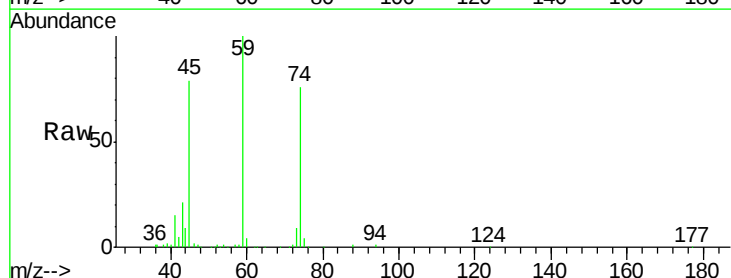
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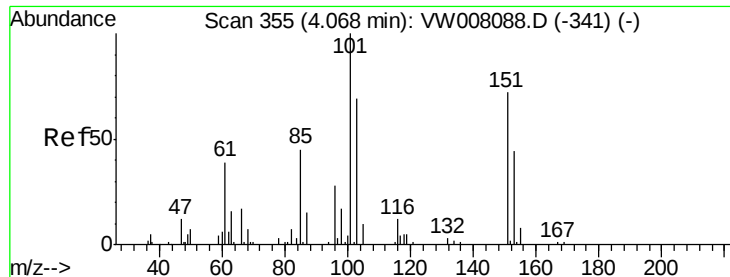


#8

Diethyl Ether
 Concen: 45.143 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.127 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

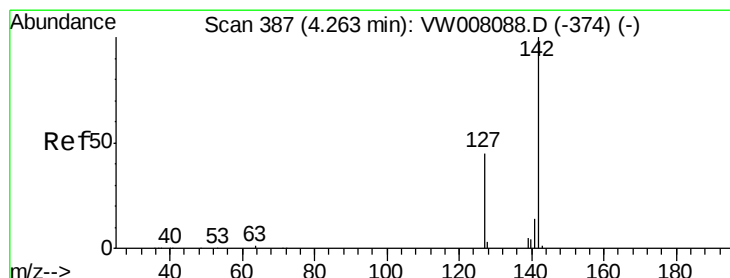
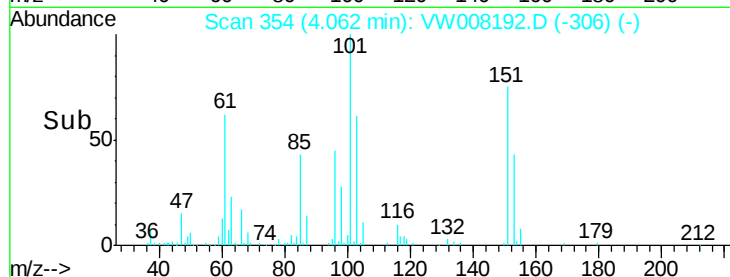
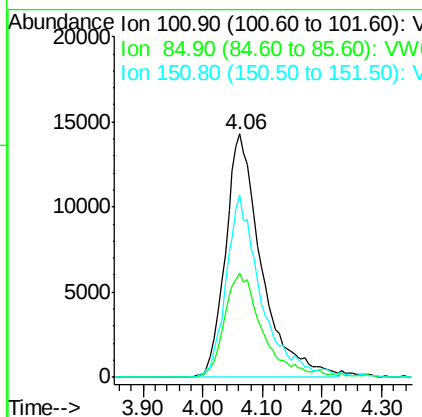
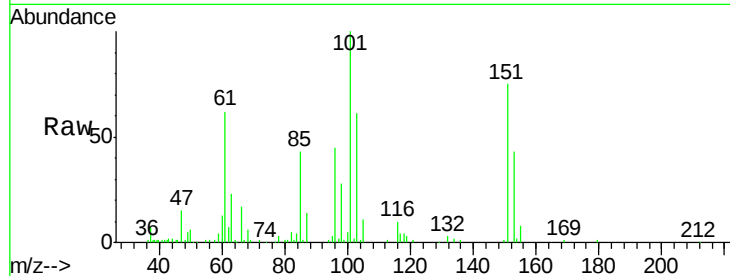
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	59897
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.9	53.9
151	71.3	55.8	83.8

Manual Integrations
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#10

Methyl Iodide

Concen: 50.525 ug/l

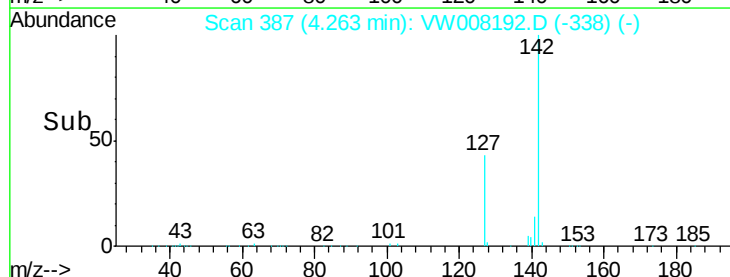
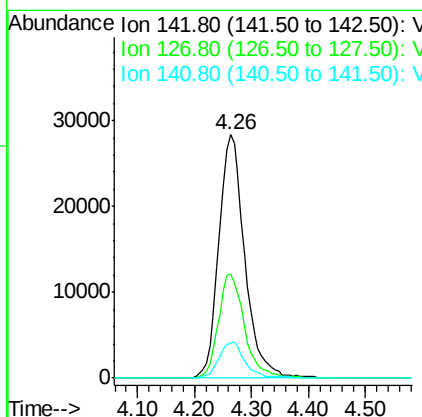
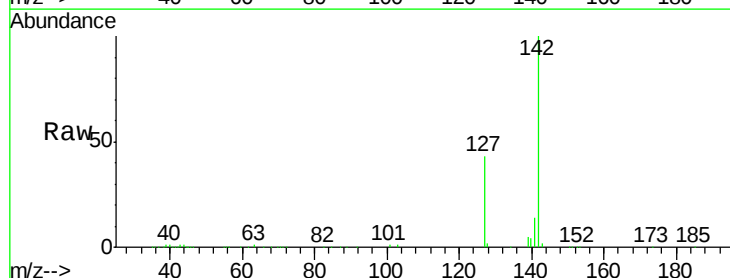
RT: 4.26 min Scan# 387

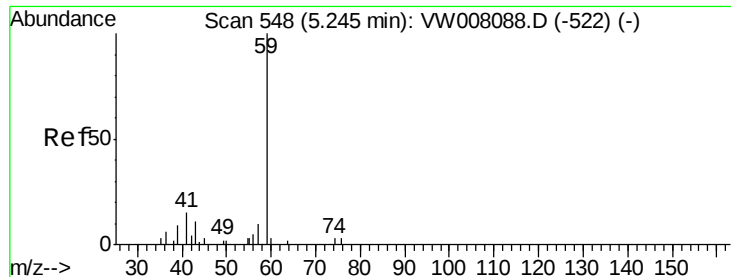
Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Tgt Ion:	142	Resp:	89780
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.0	52.4
141	14.7	11.8	17.6





#11

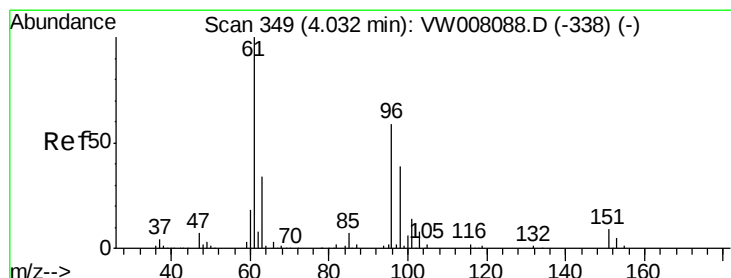
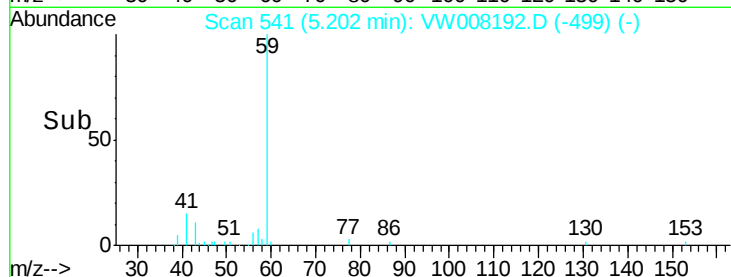
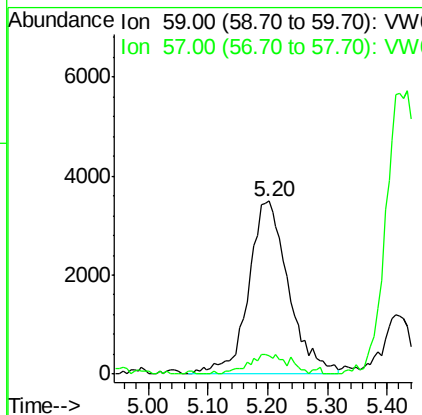
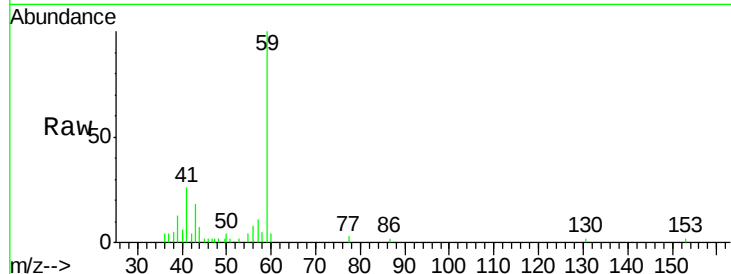
Tert butyl alcohol
 Concen: 211.333 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. -0.04 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	0.0	0.0#

Manual Integrations
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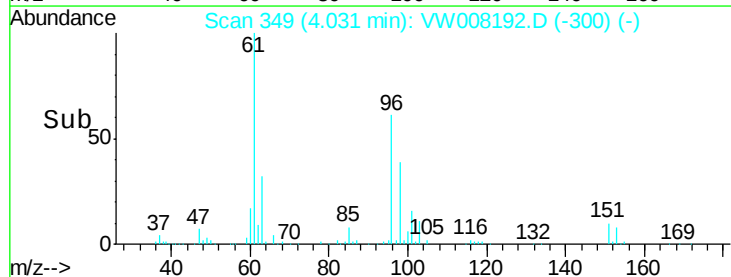
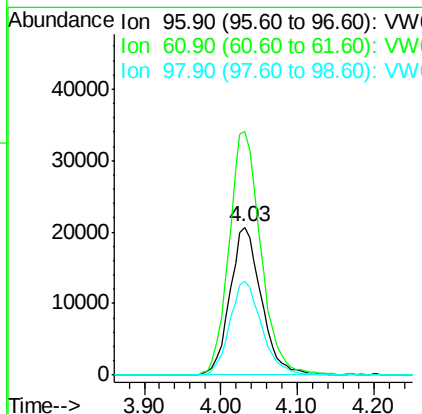
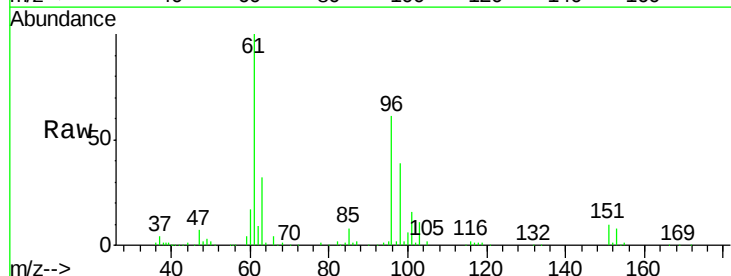
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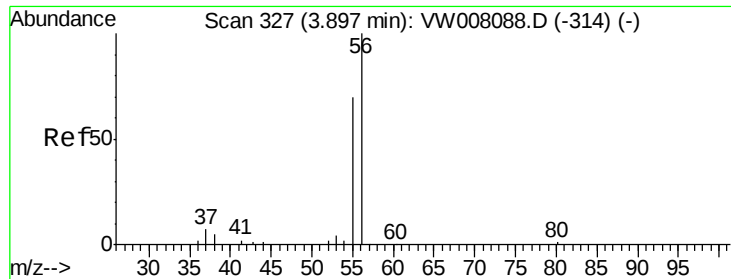


#12

1,1-Dichloroethene
 Concen: 49.266 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	135.4	203.2
98	63.9	52.5	78.7





#13

Acrolein

Concen: 272.459 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 22273

Ion Ratio Lower Upper

56 100

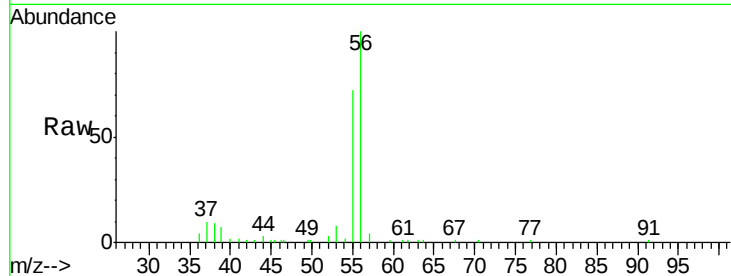
55 69.4 56.6 84.8

Manual Integrations

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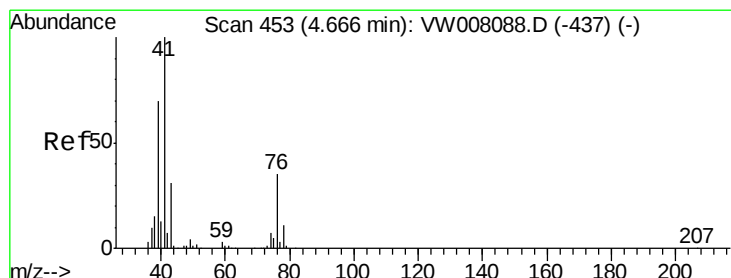
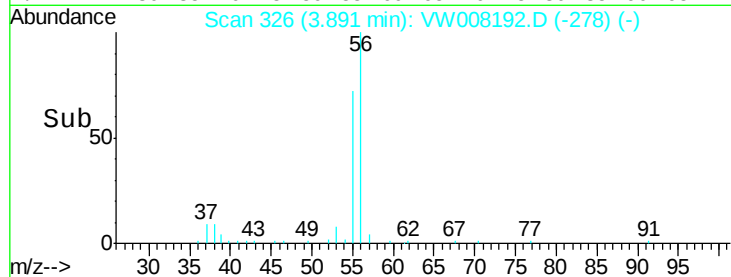
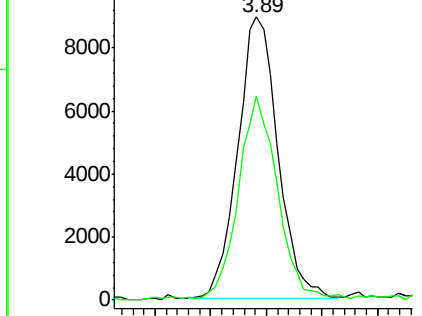
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 48.082 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

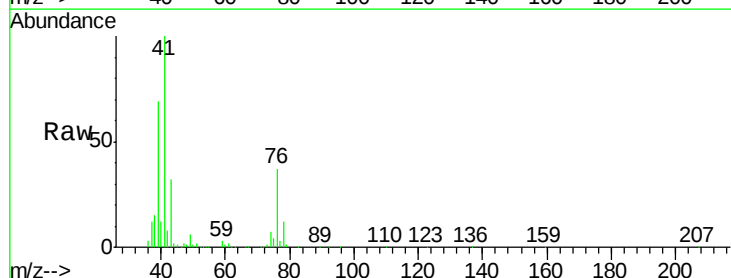
Tgt Ion: 41 Resp: 104497

Ion Ratio Lower Upper

41 100

39 67.1 53.8 80.8

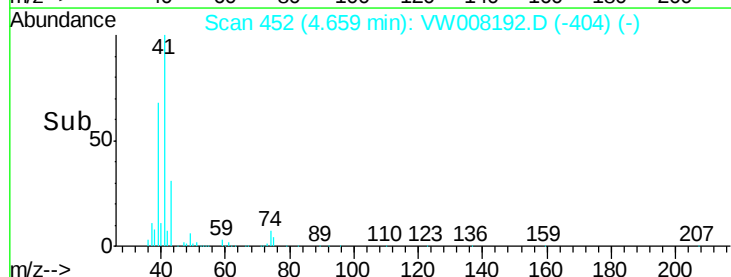
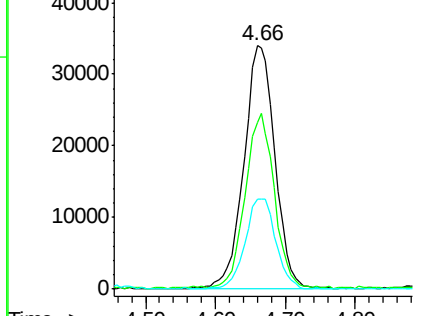
76 36.7 27.6 41.4

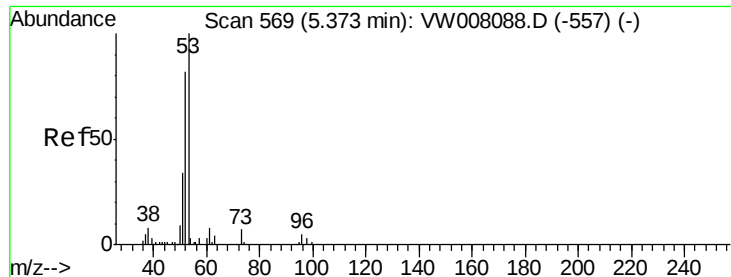


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 224.377 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

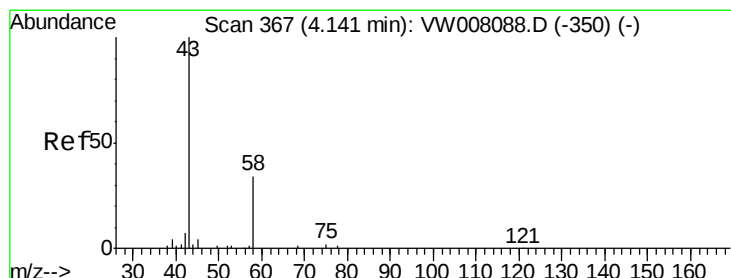
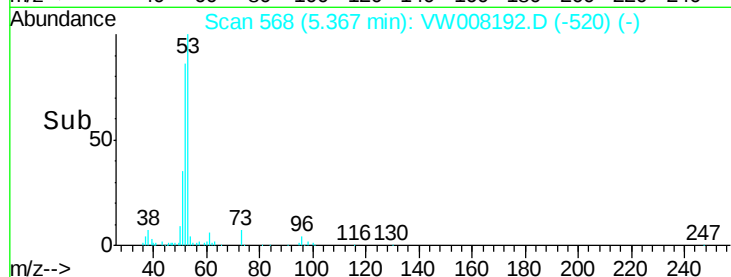
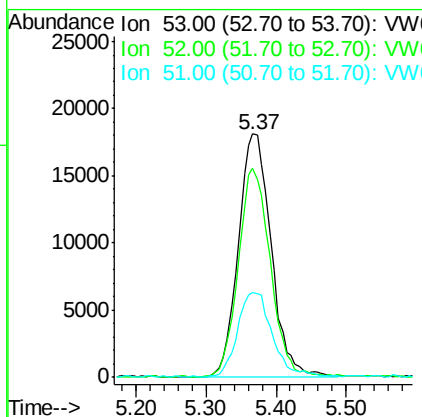
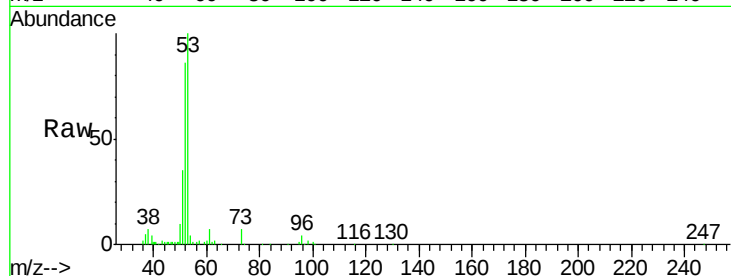
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	59303
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.8	100.2
51	37.2	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 280.970 ug/l

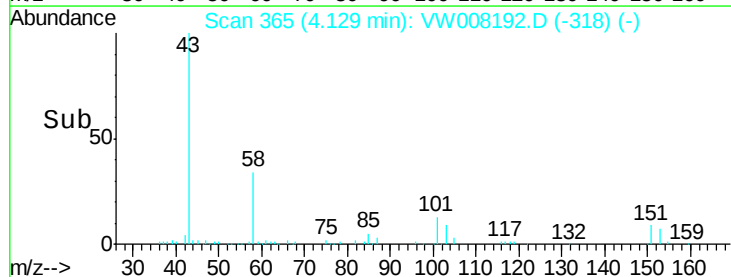
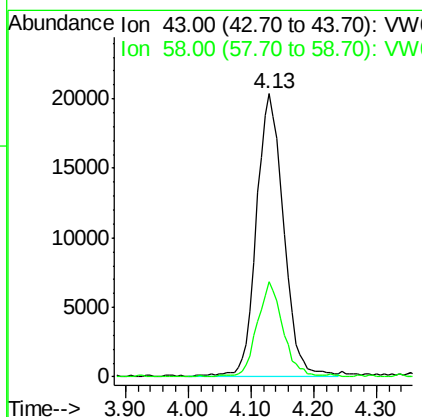
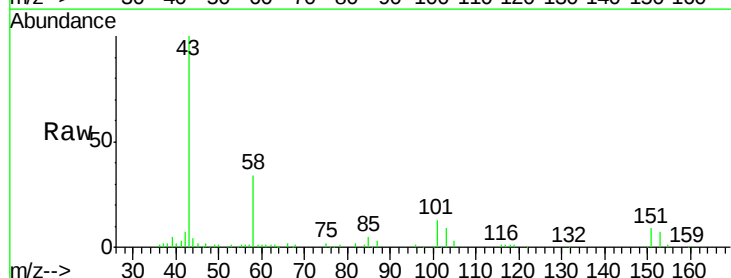
RT: 4.13 min Scan# 365

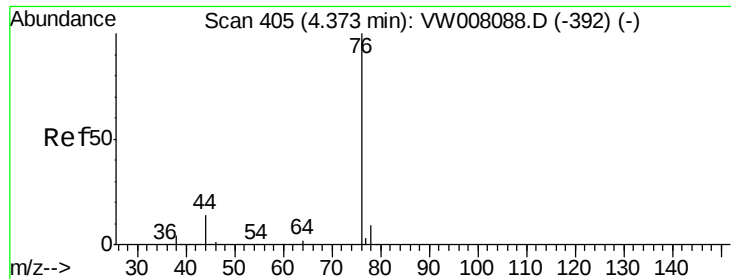
Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Tgt Ion:	43	Resp:	61466
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.5	41.3





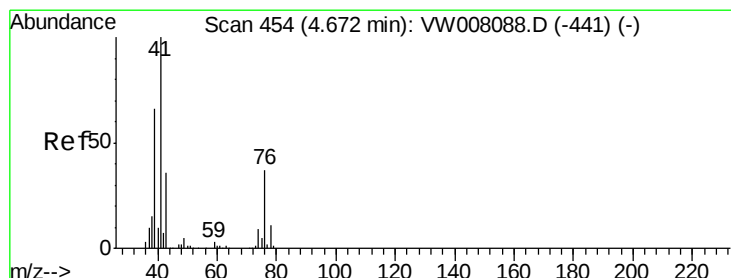
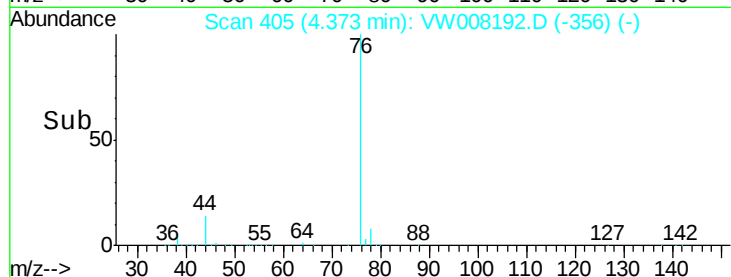
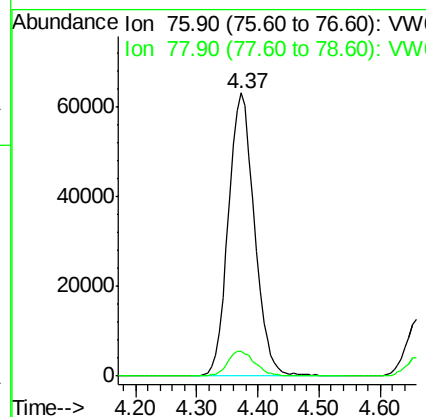
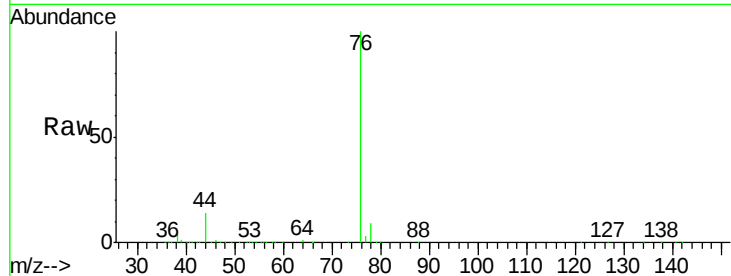
#17
Carbon Disulfide
Concen: 49.633 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

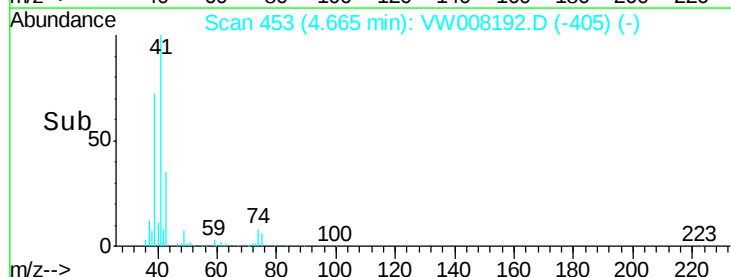
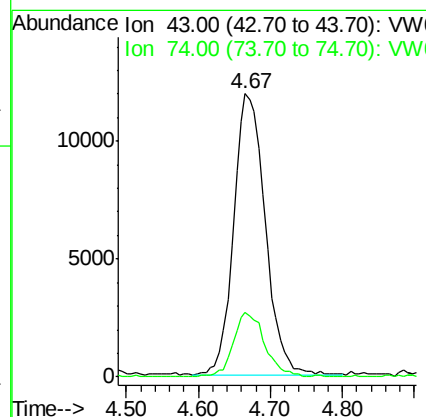
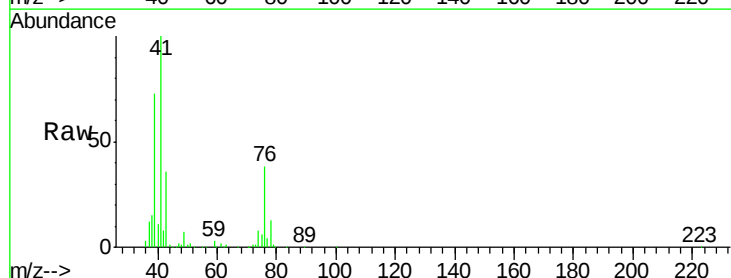
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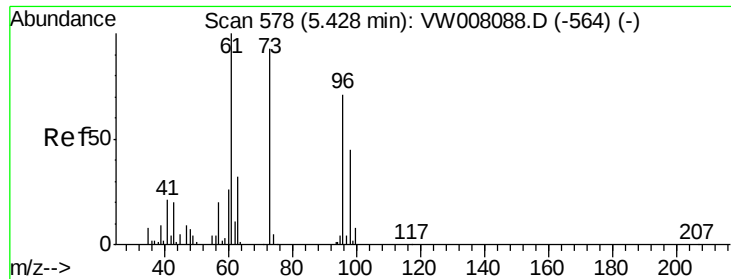
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#18
Methyl Acetate
Concen: 46.557 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.0	28.4





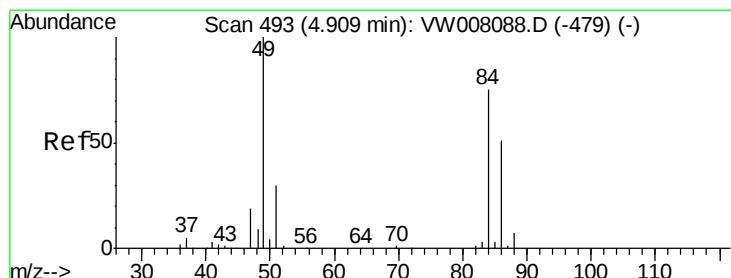
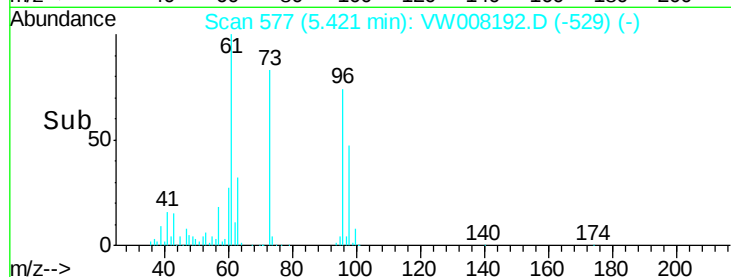
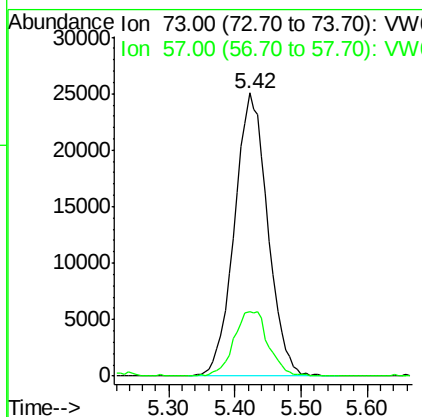
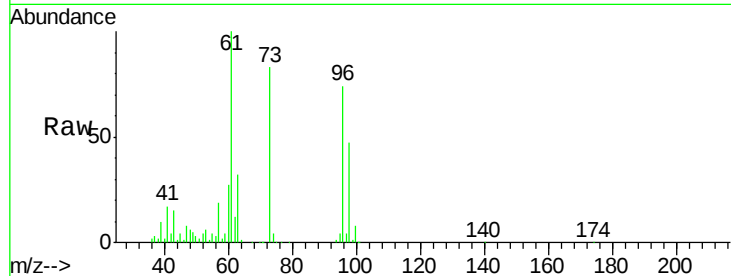
#19
Methyl tert-butyl Ether
Concen: 44.885 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 87347
Ion Ratio Lower Upper
73 100
57 22.6 16.7 25.1

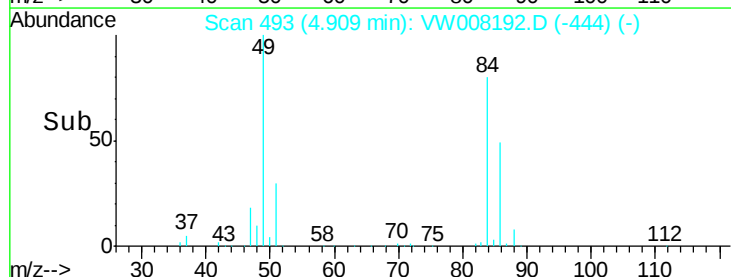
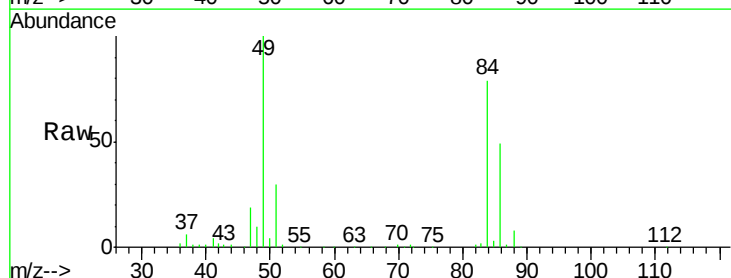
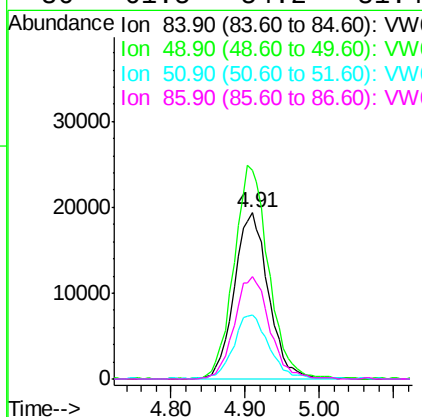
Manual Integrations
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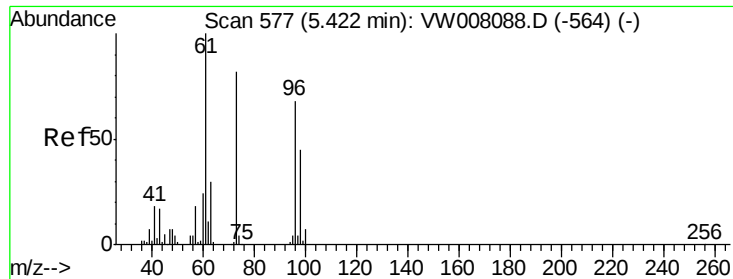
apatel
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#20
Methylene Chloride
Concen: 51.548 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion: 84 Resp: 62169
Ion Ratio Lower Upper
84 100
49 125.8 107.1 160.7
51 38.3 32.4 48.6
86 61.5 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 50.781 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

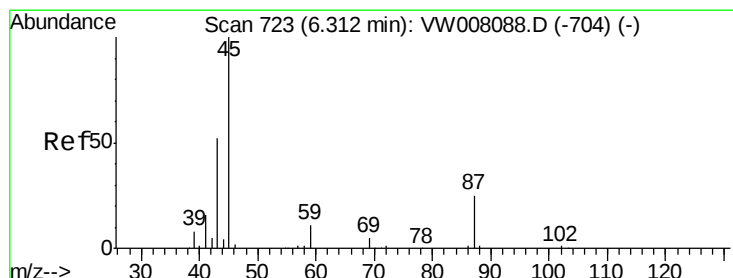
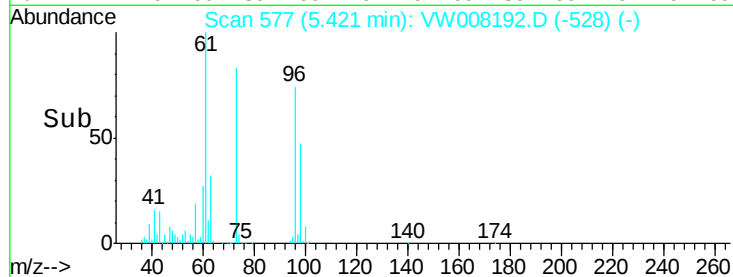
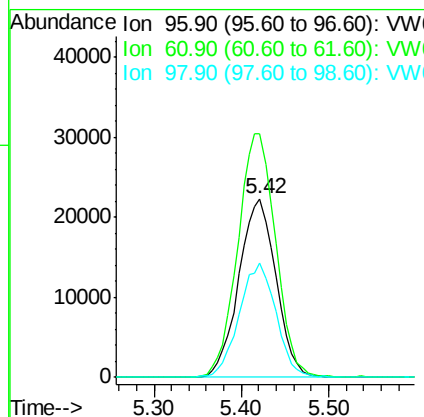
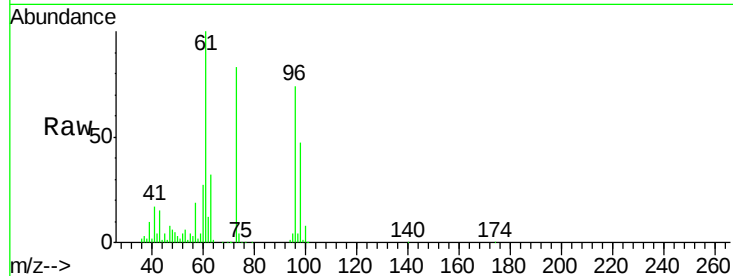
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	66057
Ion	Ratio	Lower	Upper
96	100		
61	135.6	117.4	176.0
98	64.3	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.554 ug/l

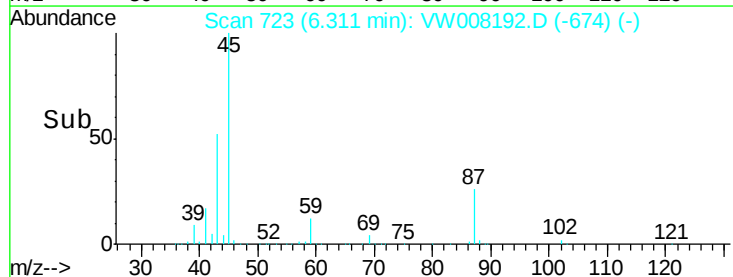
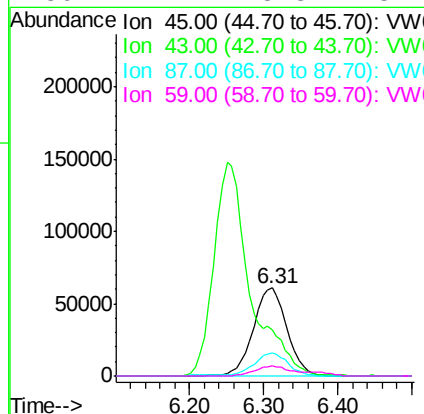
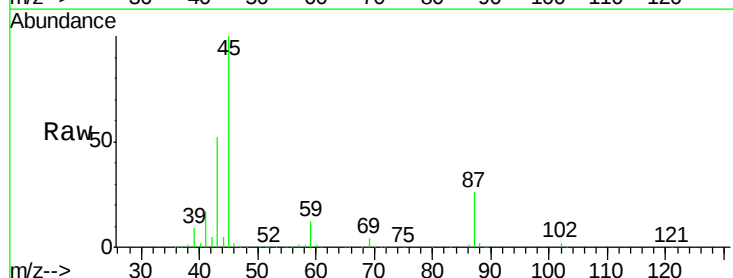
RT: 6.31 min Scan# 723

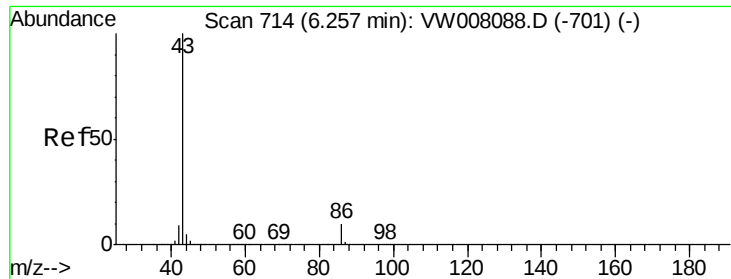
Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Tgt Ion:	45	Resp:	192961
Ion	Ratio	Lower	Upper
45	100		
43	50.9	41.7	62.5
87	25.9	20.1	30.1
59	11.7	8.8	13.2





#23

Vinyl Acetate

Concen: 229.482 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 499555

Ion Ratio Lower Upper

43 100

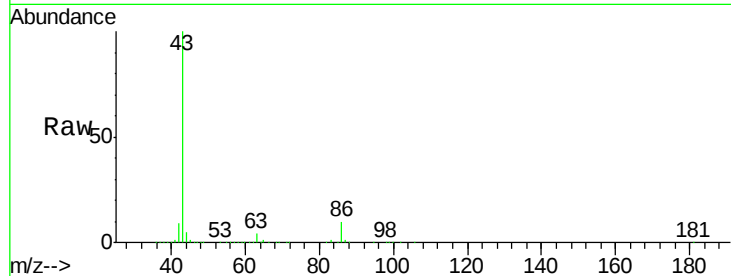
86 10.1 7.7 11.5

Manual Integrations

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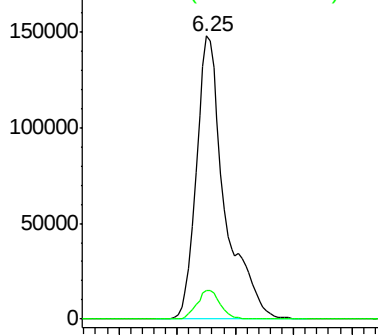
apatel

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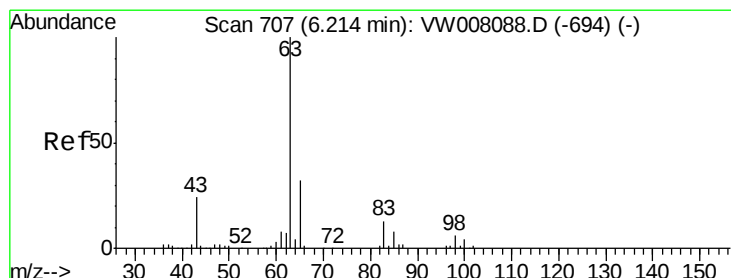
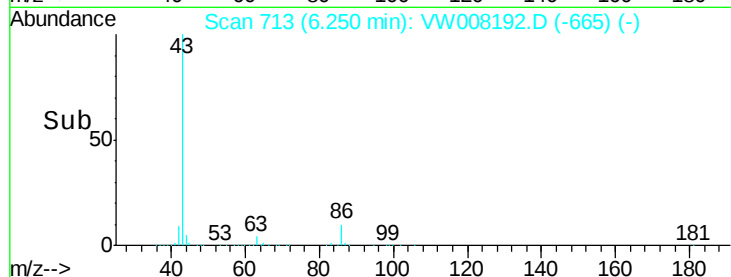


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 47.679 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

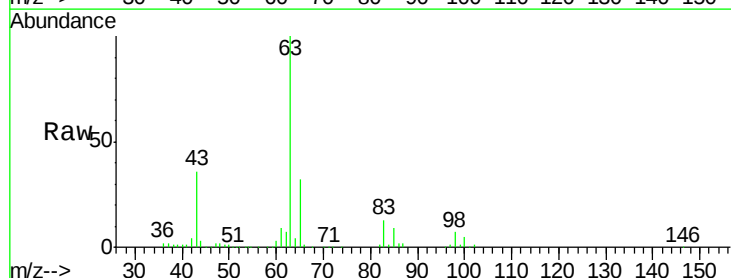
Tgt Ion: 63 Resp: 115146

Ion Ratio Lower Upper

63 100

98 7.2 3.2 9.6

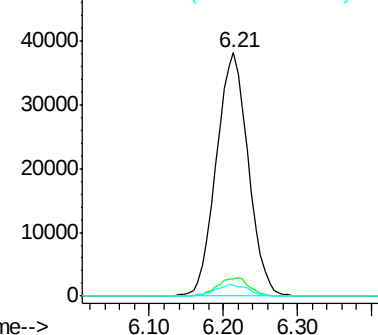
100 4.6 2.0 6.0



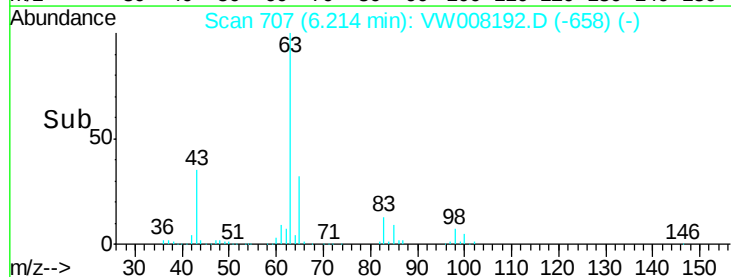
Abundance Ion 62.90 (62.60 to 63.60): VW

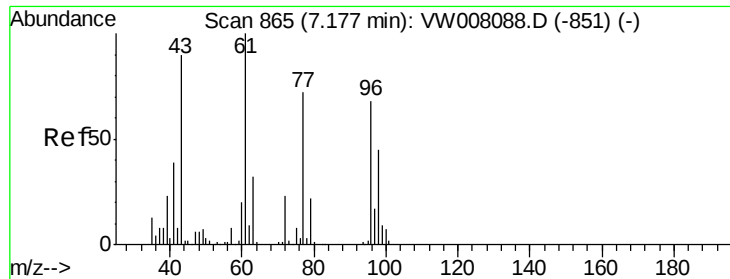
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 234.060 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 80004

Ion Ratio Lower Upper

43 100

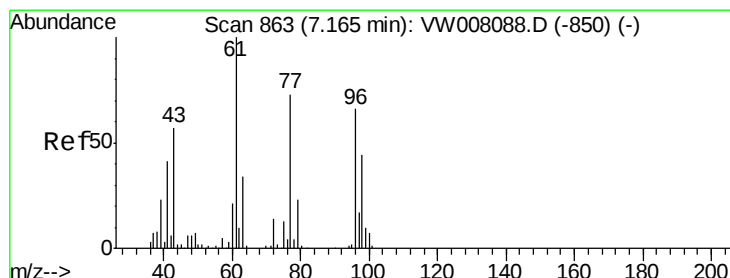
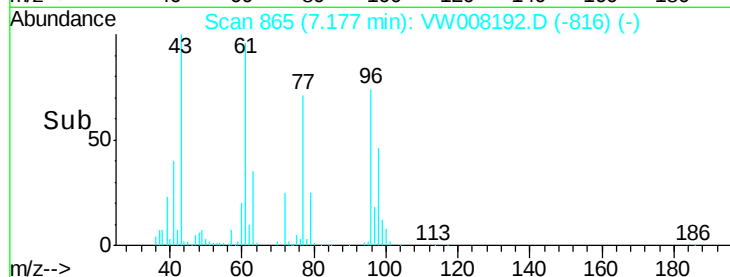
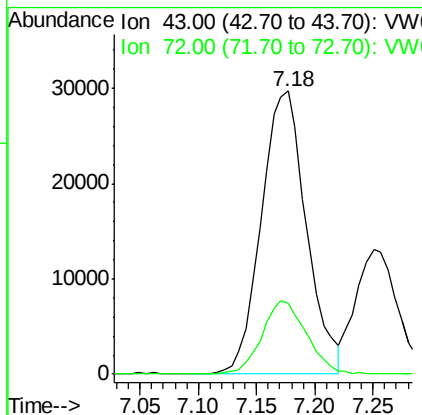
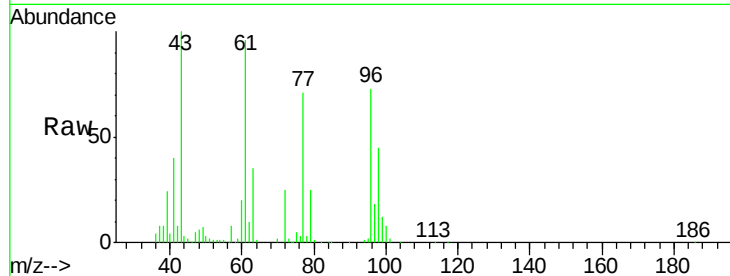
72 25.0 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.391 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008192.D

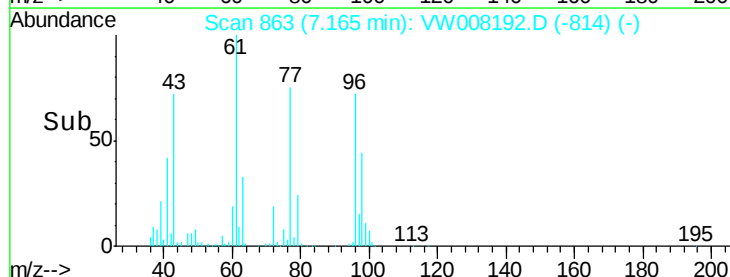
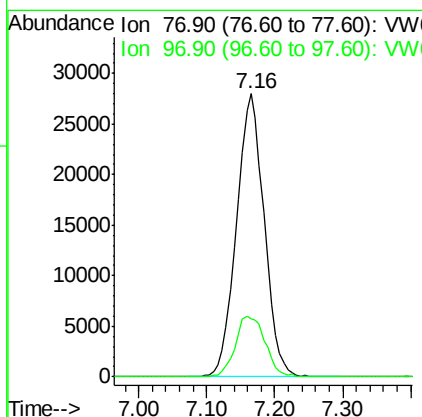
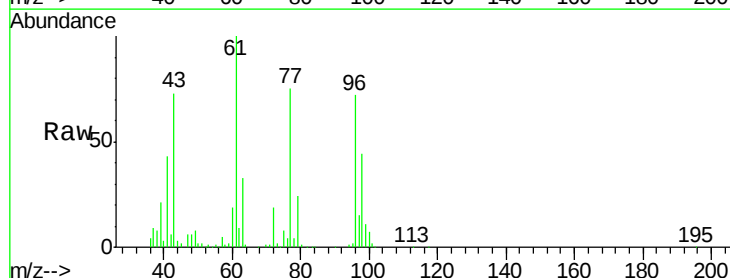
Acq: 11 Jan 2019 14:11

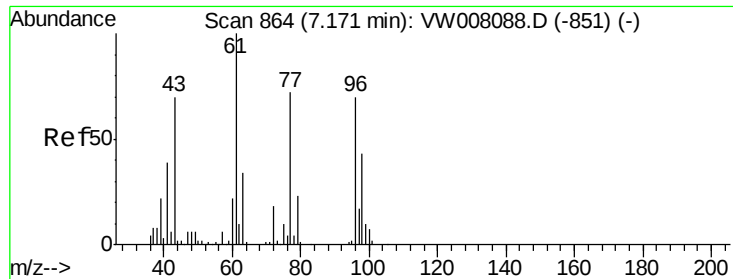
Tgt Ion: 77 Resp: 79185

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1





#27

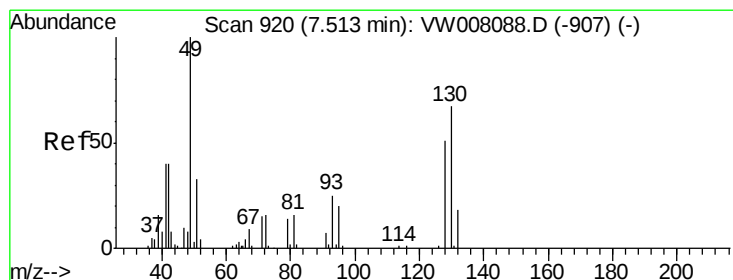
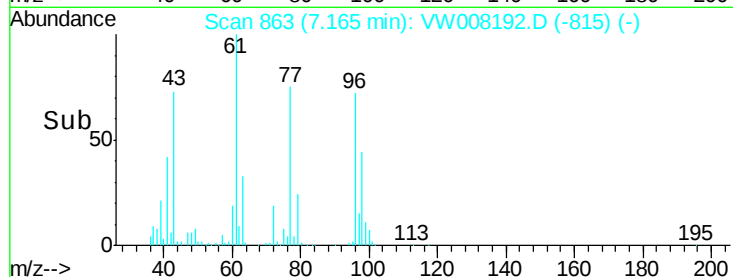
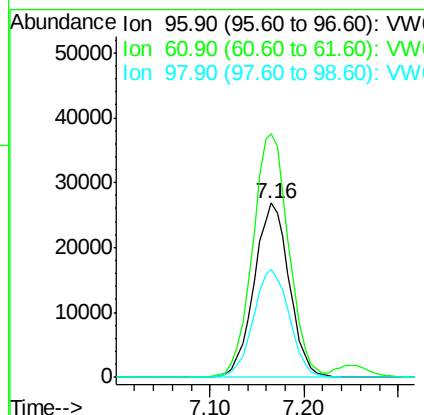
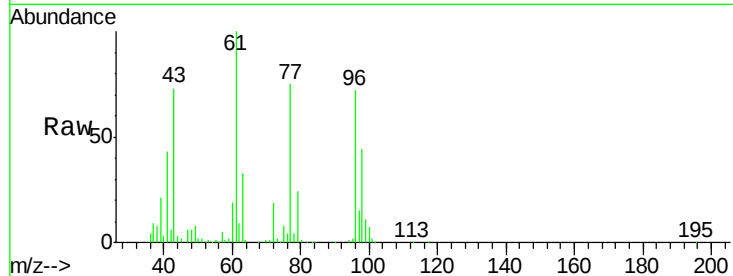
cis-1,2-Dichloroethene
Concen: 49.351 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	300.4
98	63.4	0.0	128.4

Manual Integrations
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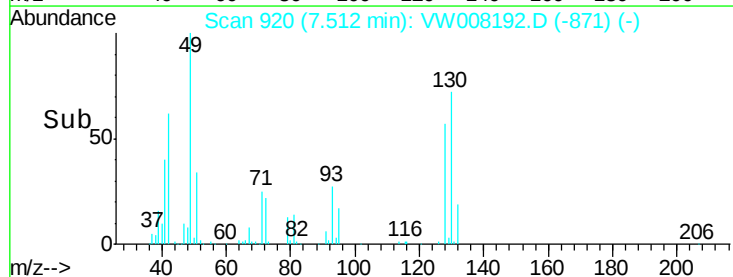
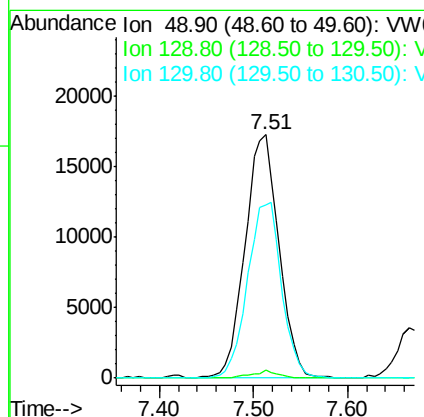
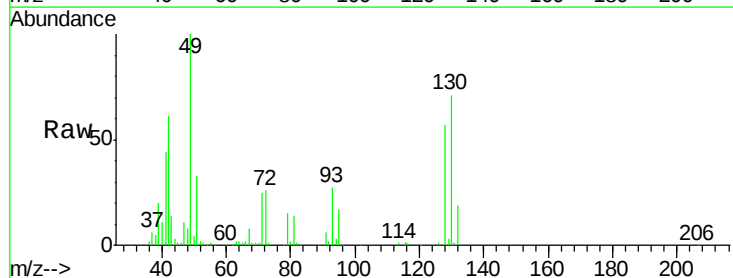
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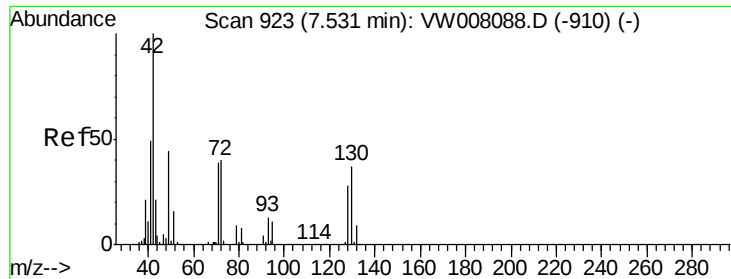


#28

Bromochloromethane
Concen: 45.805 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.8
130	72.3	54.3	81.5





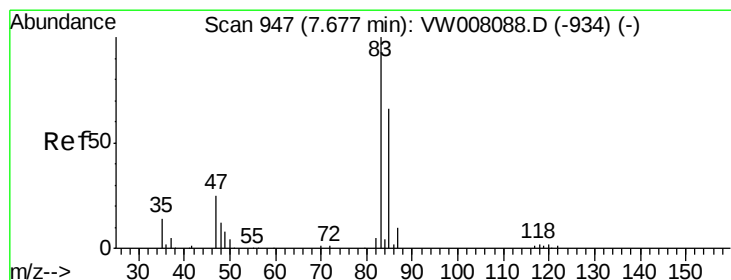
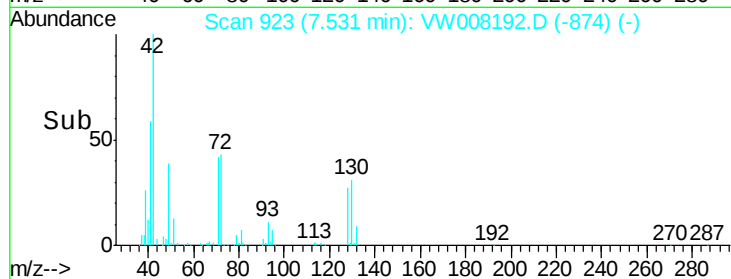
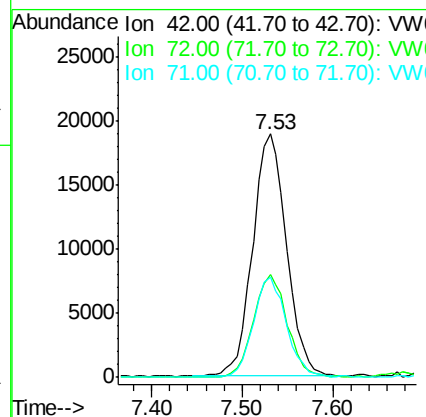
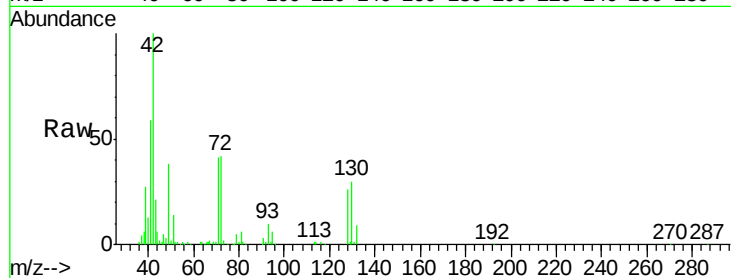
#29
Tetrahydrofuran
Concen: 214.060 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	32.4	48.6
71	40.2	31.3	46.9

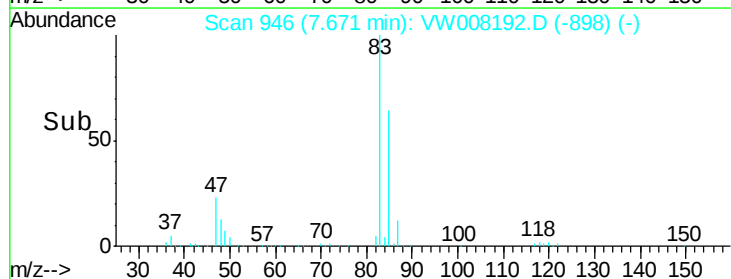
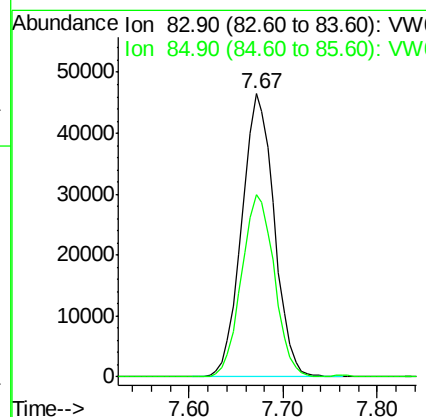
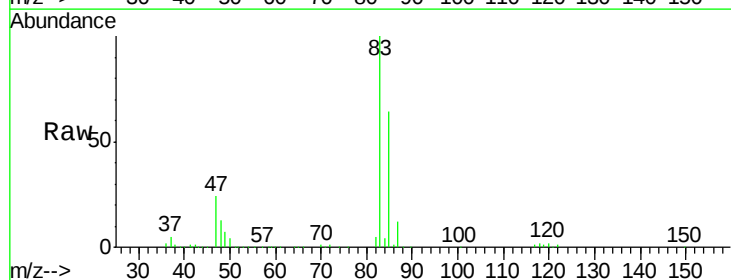
Manual Integrations
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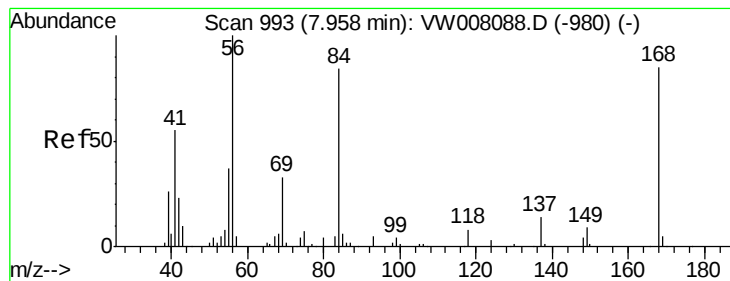
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#30
Chloroform
Concen: 48.769 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.2	79.8





#31

Cyclohexane

Concen: 44.577 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

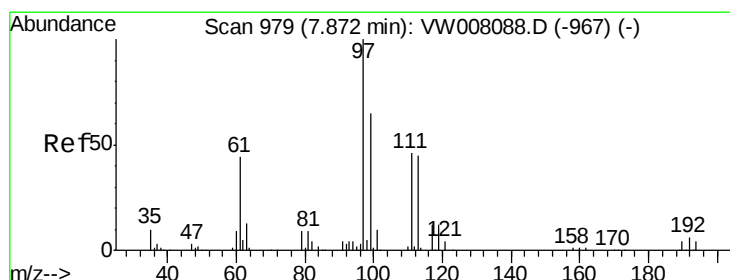
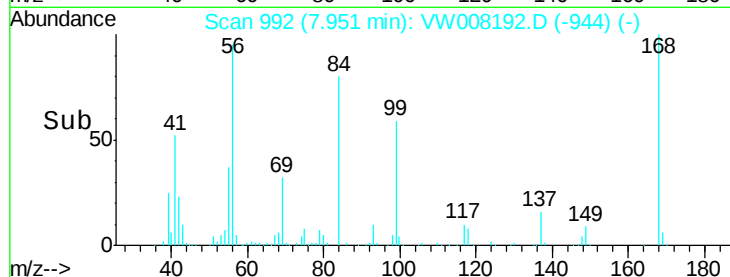
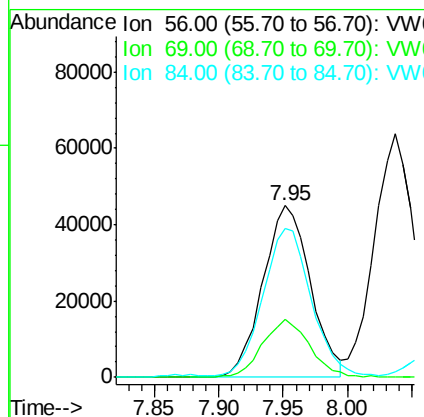
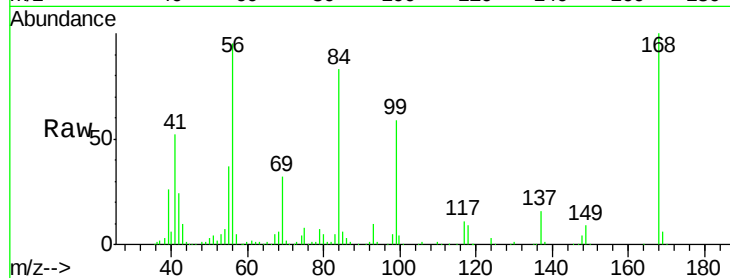
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	115249
Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.2	39.4
84	85.1	67.4	101.2

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#32

1,1,1-Trichloroethane

Concen: 49.562 ug/l

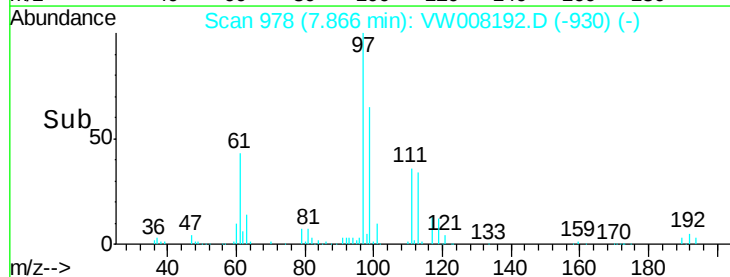
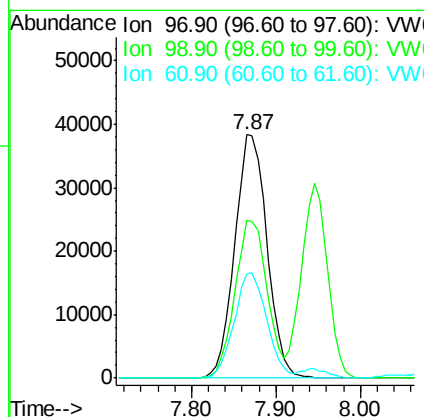
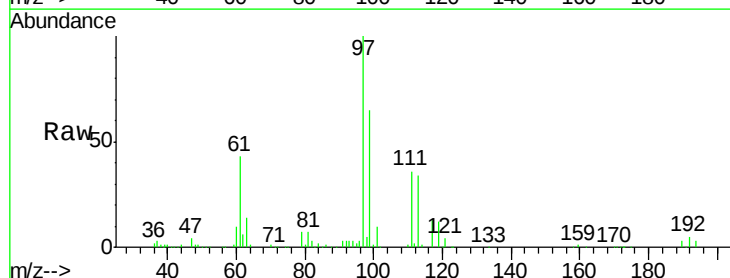
RT: 7.87 min Scan# 978

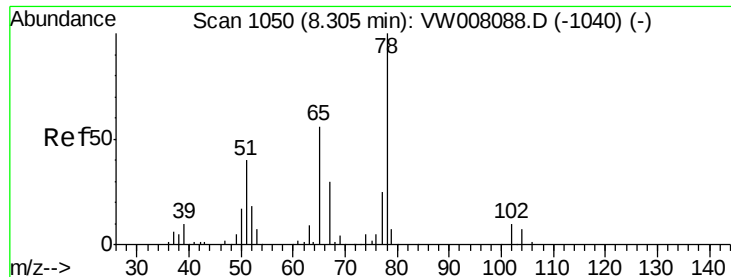
Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Tgt Ion:	97	Resp:	99133
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	43.7	35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 43.802 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 53811

Ion Ratio Lower Upper

65 100

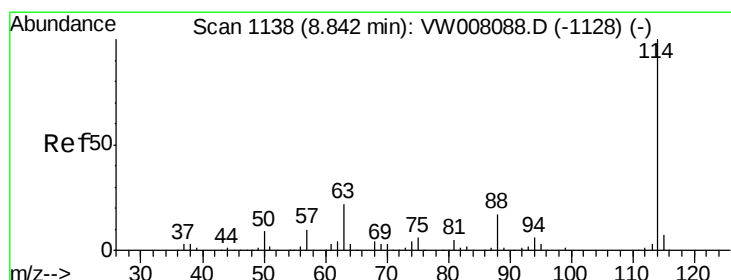
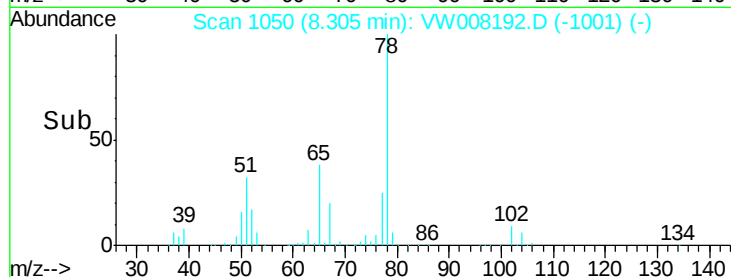
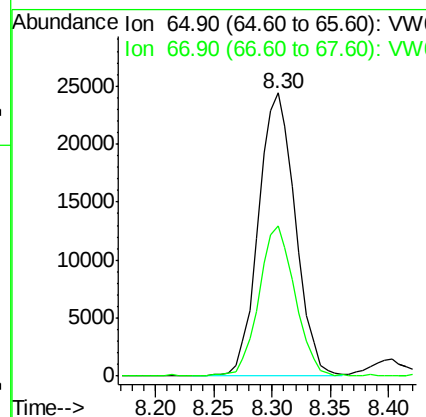
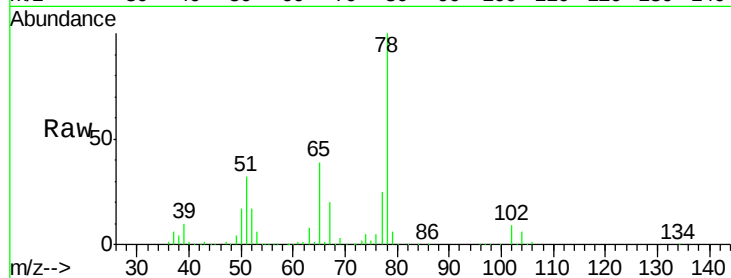
67 52.1 0.0 106.8

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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: VW008192.D

Acq: 11 Jan 2019 14:11

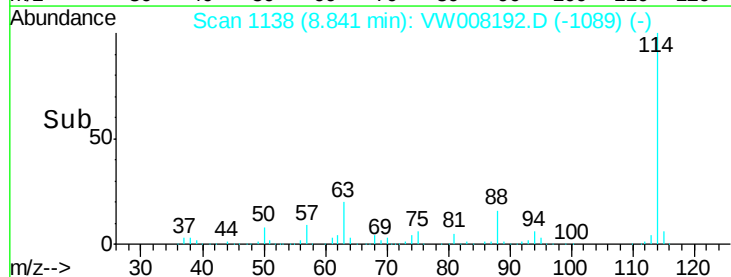
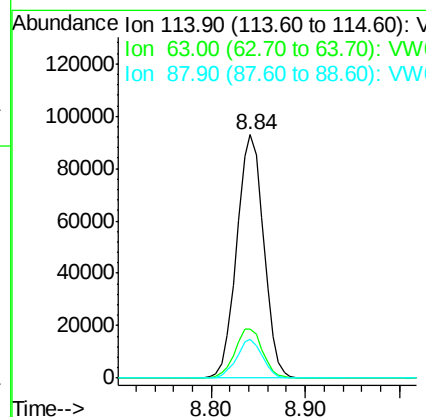
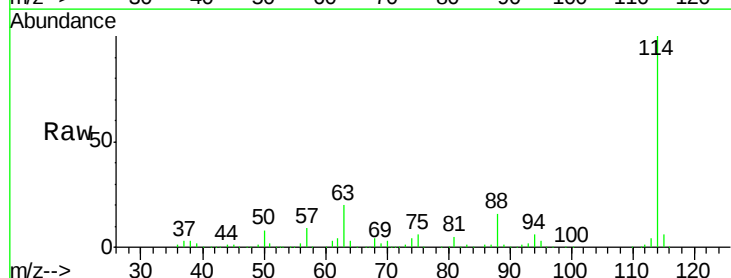
Tgt Ion: 114 Resp: 184093

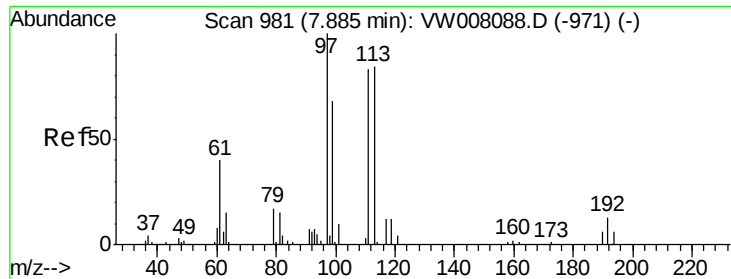
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.4

88 16.2 0.0 33.4





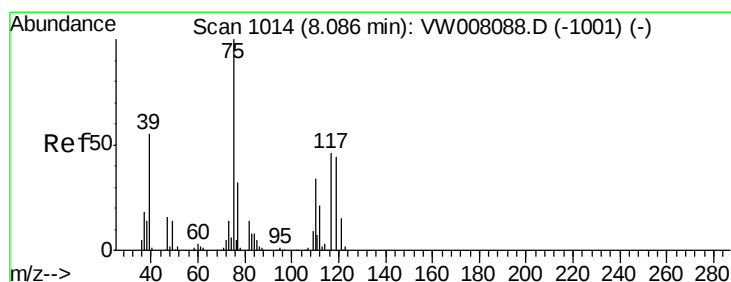
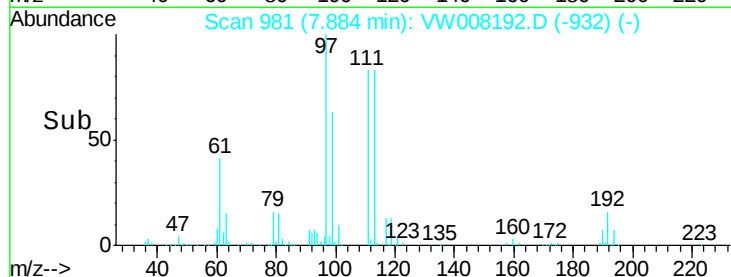
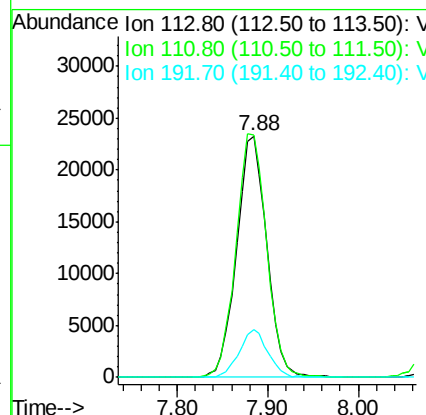
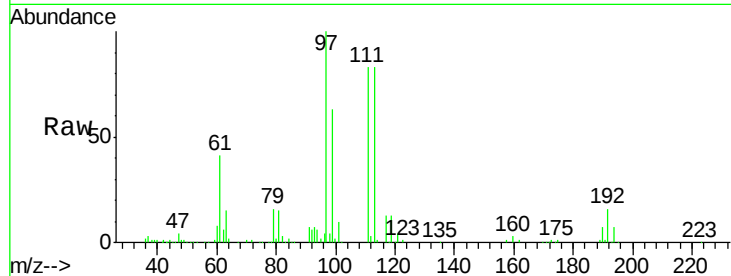
#35
 Dibromofluoromethane
 Concen: 50.165 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.8
192	18.8	12.8	19.2

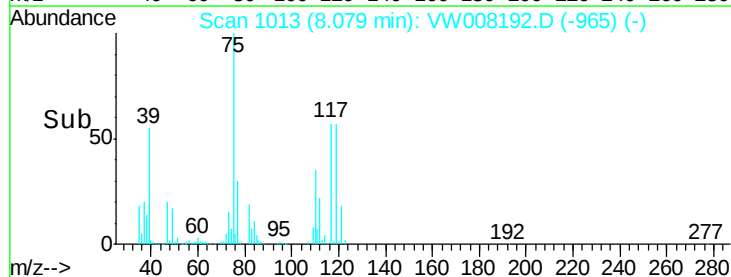
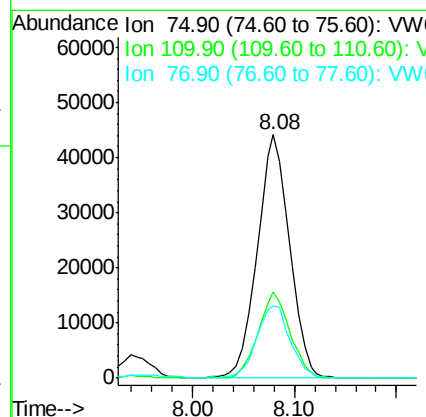
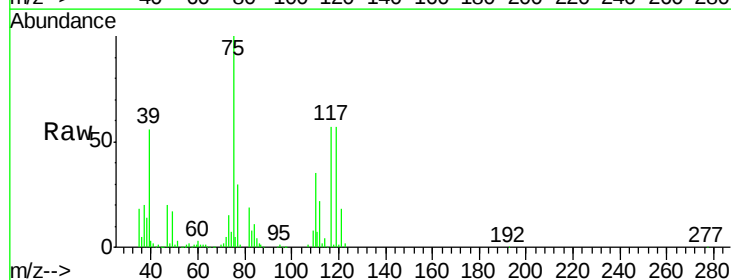
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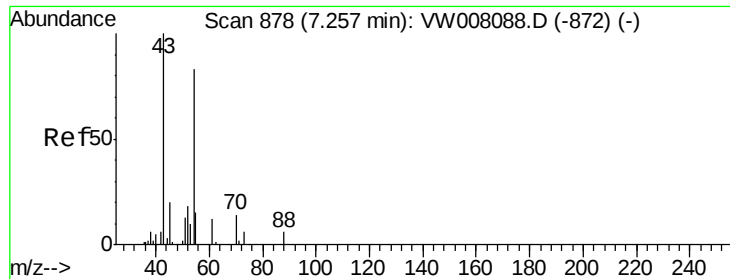
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#36
 1,1-Dichloropropene
 Concen: 51.272 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.1	51.3
77	31.2	25.5	38.3





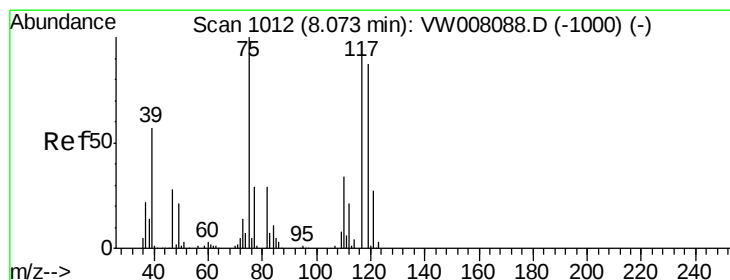
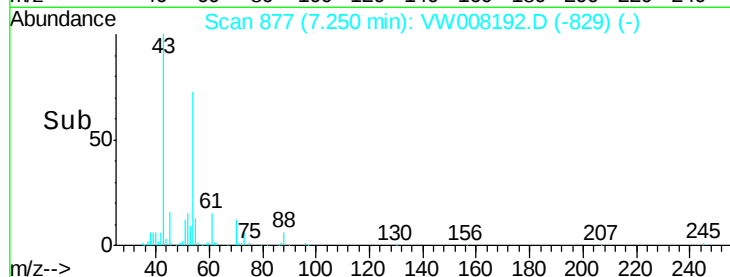
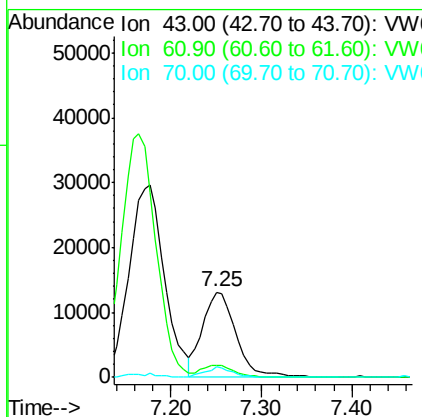
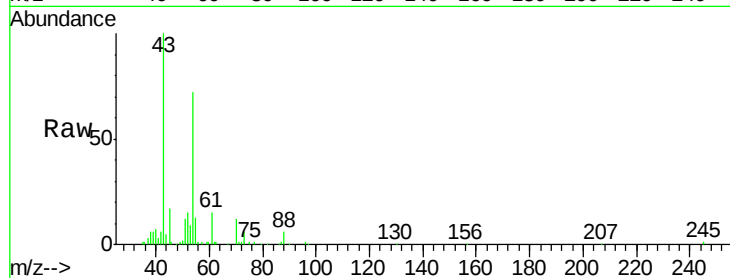
#37
Ethyl Acetate
Concen: 44.366 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.6	16.0
70	10.6	8.9	13.3

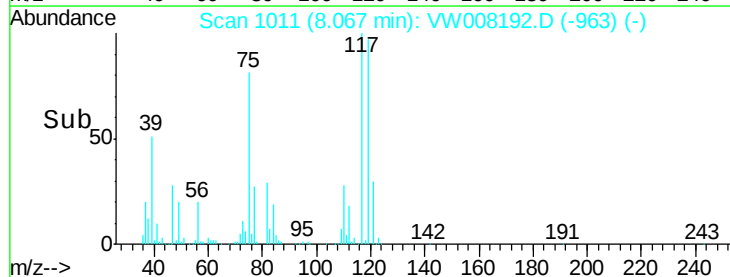
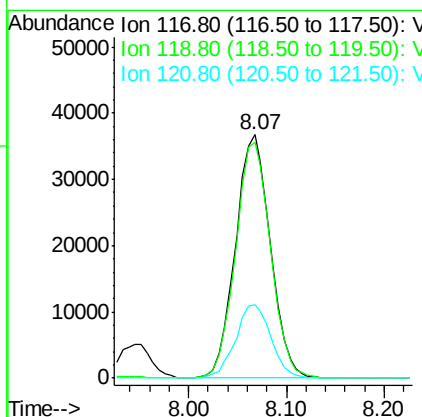
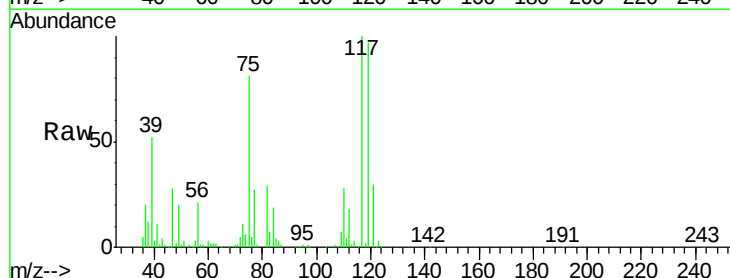
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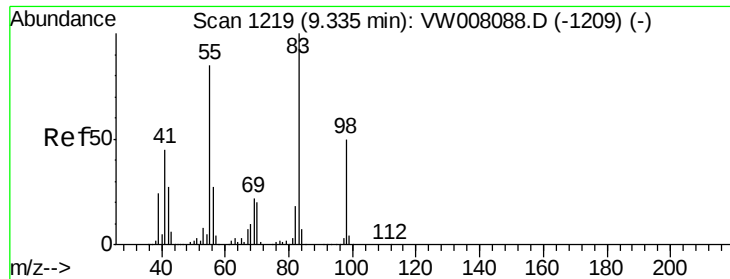
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#38
Carbon Tetrachloride
Concen: 52.289 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.8	113.8
121	30.0	23.7	35.5





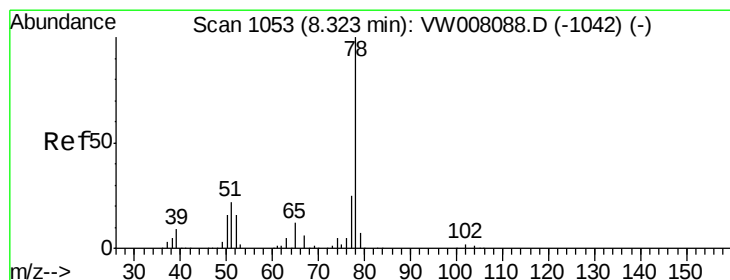
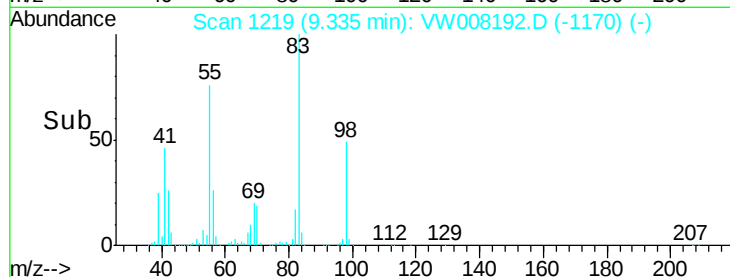
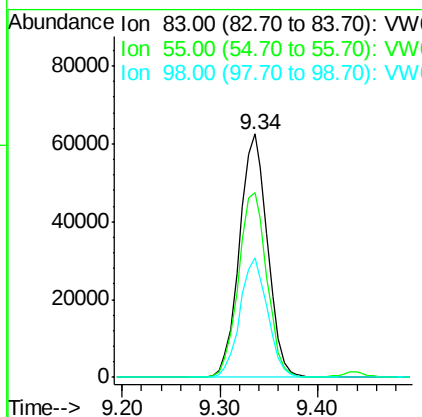
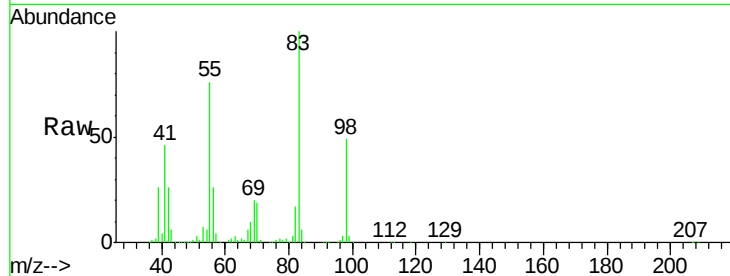
#39
Methvlcvclohexane
Concen: 51.641 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	67.8	101.6
98	49.3	40.2	60.4

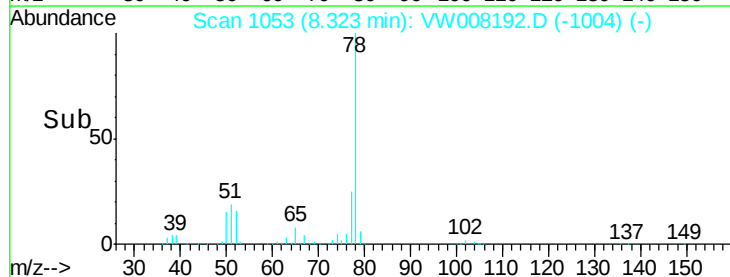
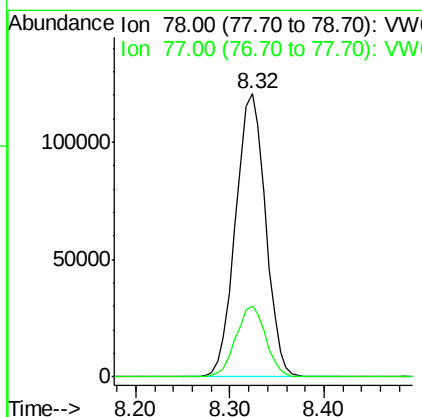
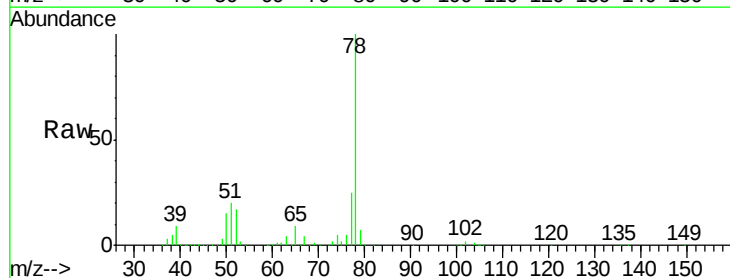
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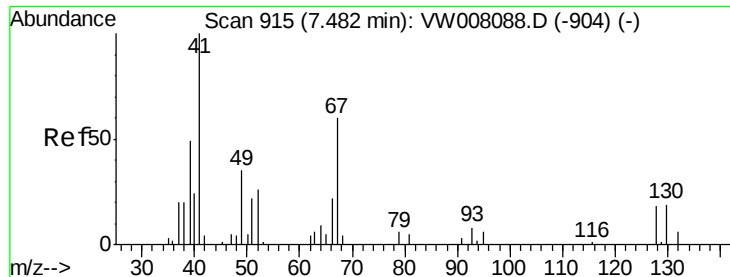
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#40
Benzene
Concen: 51.715 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	20.2	30.4





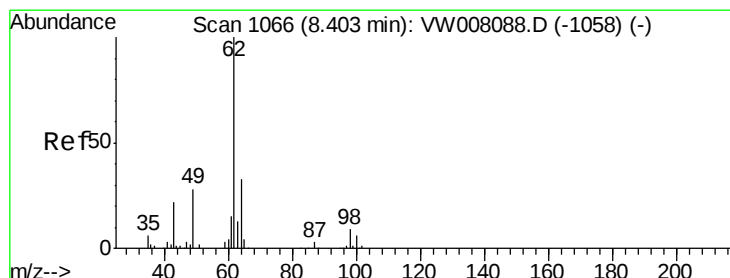
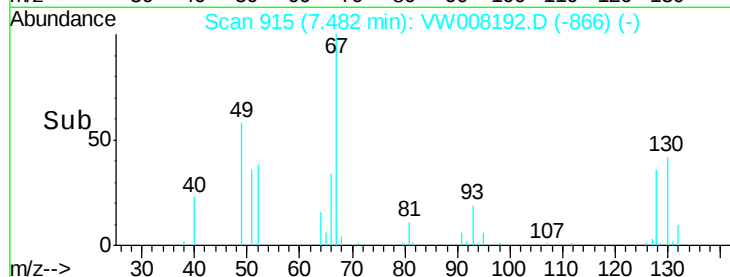
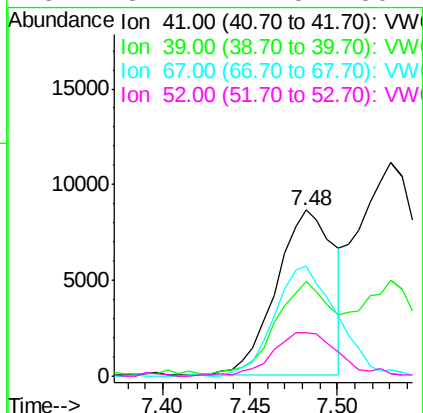
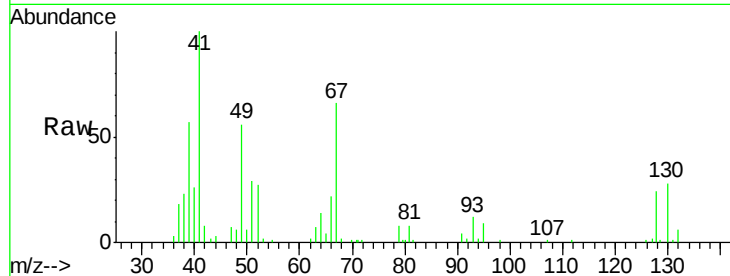
#41
Methacrylonitrile
Concen: 41.119 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	47.9	71.9	
67	73.8	56.3	84.5	
52	31.1	24.5	36.7	

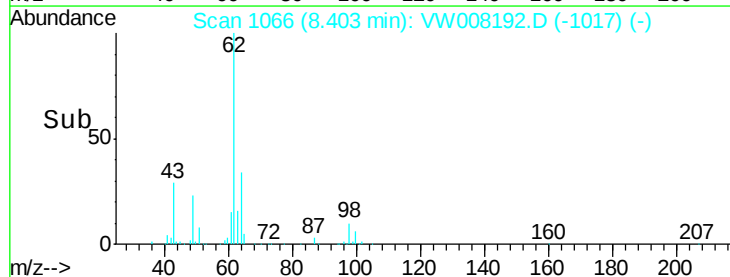
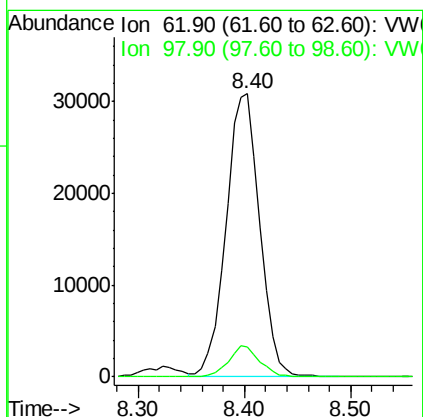
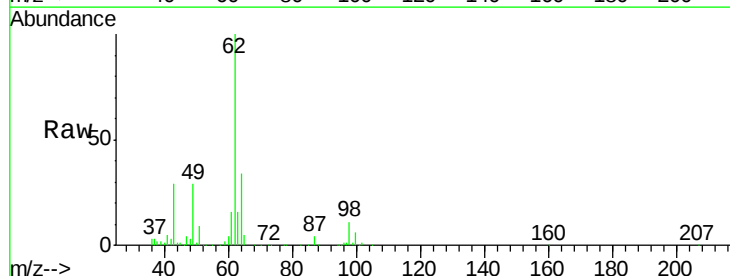
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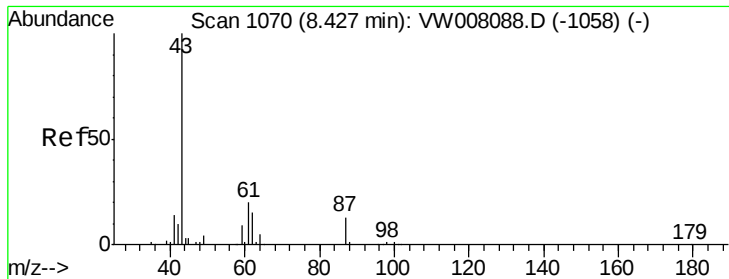
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#42
1,2-Dichloroethane
Concen: 47.112 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	18.6	





#43

Isopropyl Acetate

Concen: 44.996 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

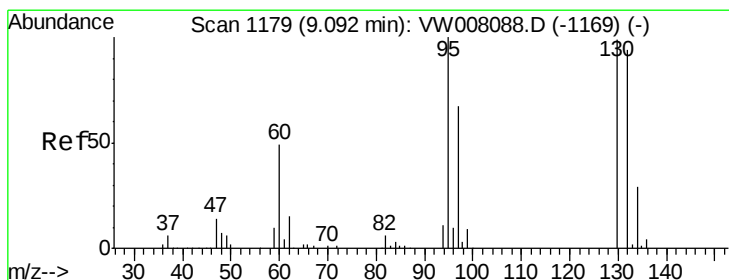
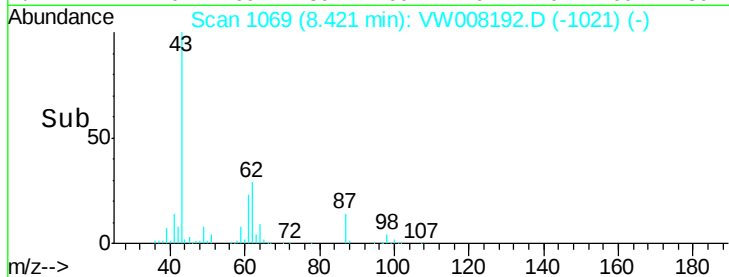
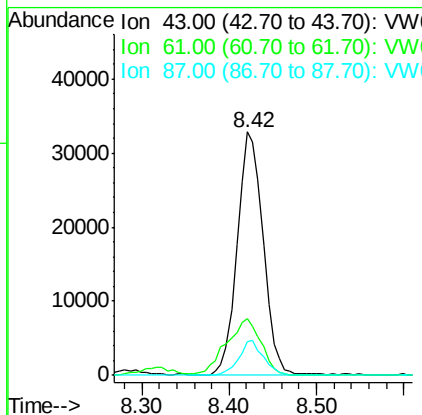
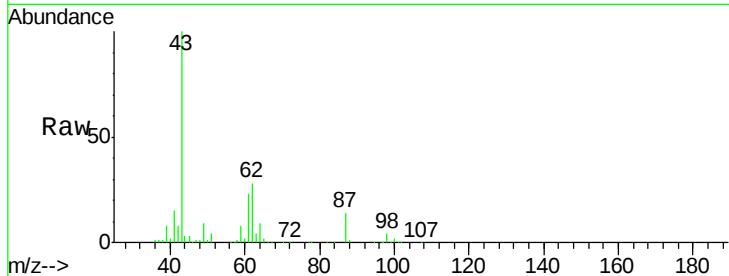
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	68349
Ion	Ratio	Lower	Upper
43	100		
61	30.6	24.8	37.2
87	13.4	10.4	15.6

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#44

Trichloroethene

Concen: 53.448 ug/l

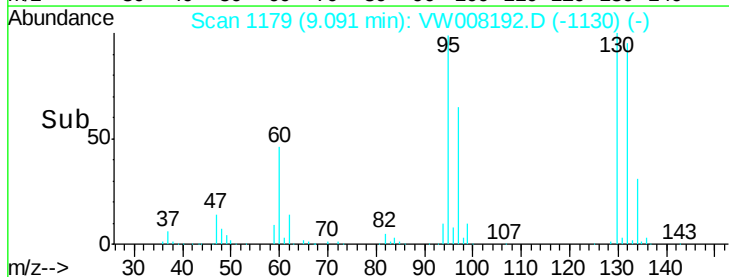
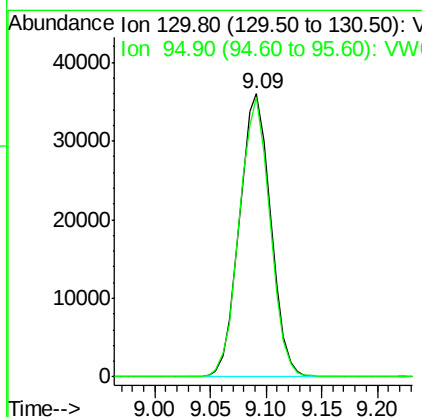
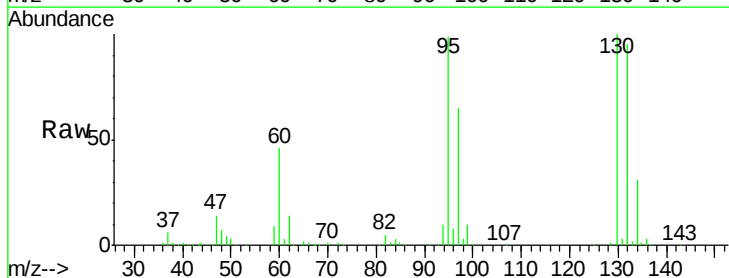
RT: 9.09 min Scan# 1179

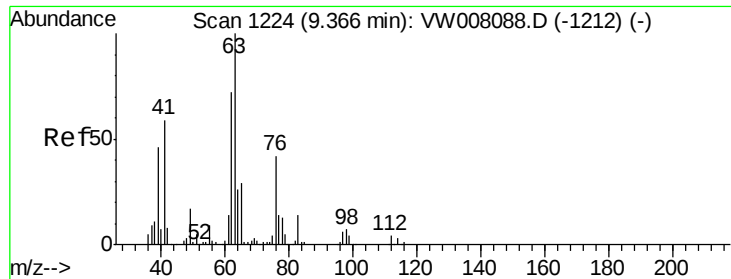
Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Tgt Ion:	130	Resp:	70372
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	202.8





#45

1,2-Dichloropropane

Concen: 50.623 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 64562

Ion Ratio Lower Upper

63 100

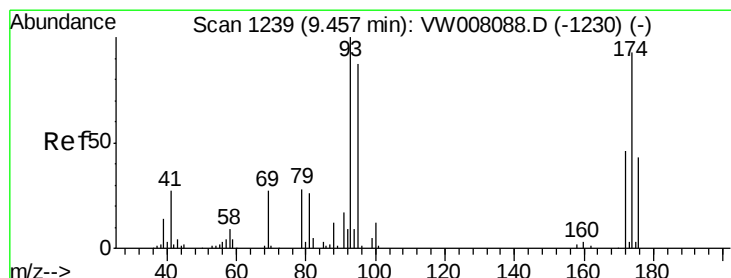
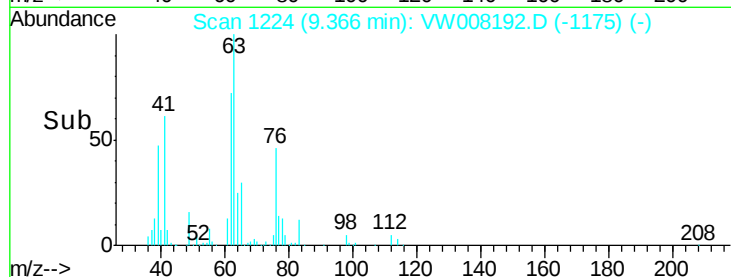
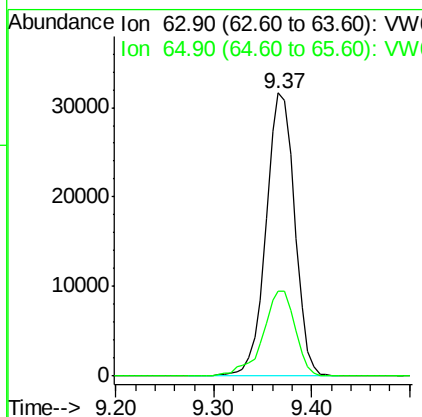
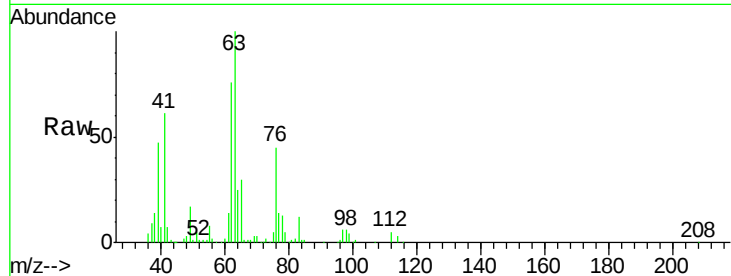
65 30.2 23.3 34.9

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#46

Dibromomethane

Concen: 48.126 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

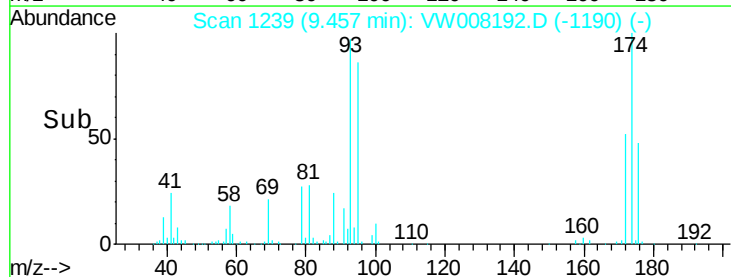
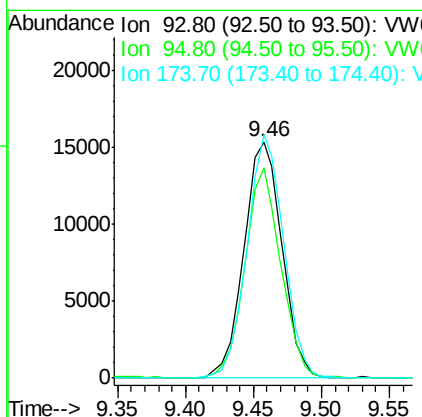
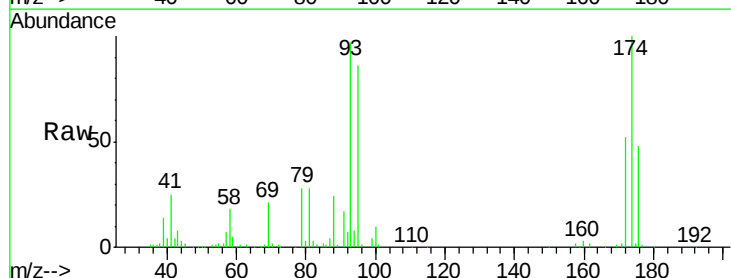
Tgt Ion: 93 Resp: 30143

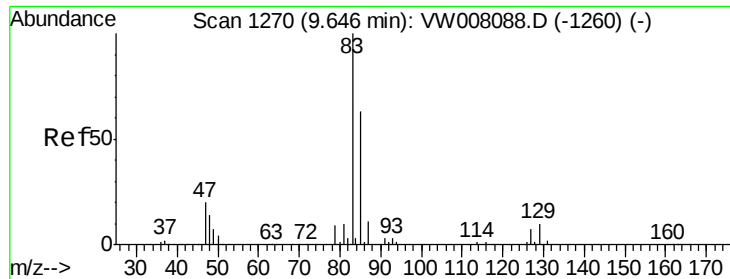
Ion Ratio Lower Upper

93 100

95 84.2 67.5 101.3

174 99.3 72.5 108.7





#47

Bromodichloromethane

Concen: 50.076 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

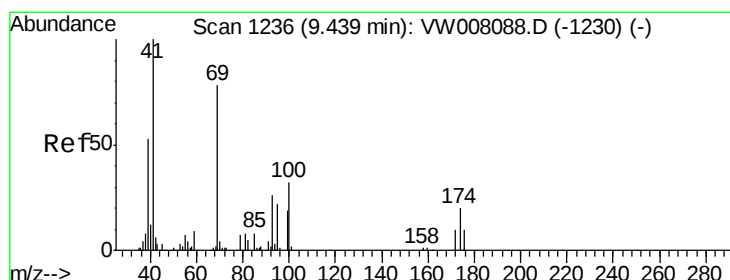
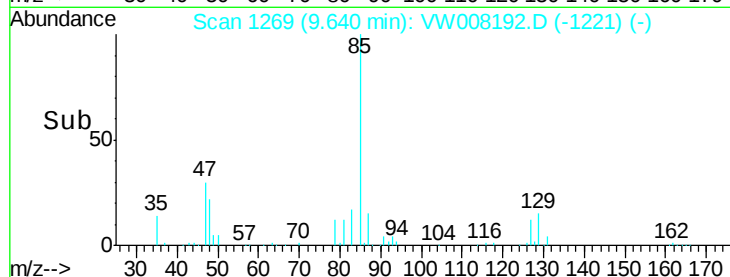
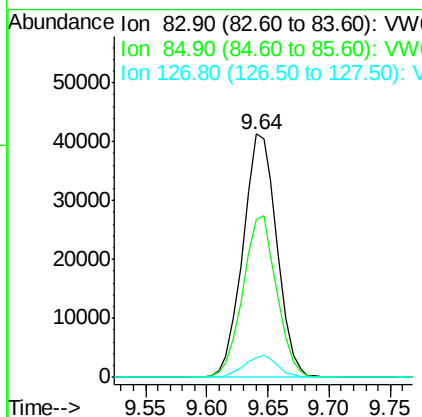
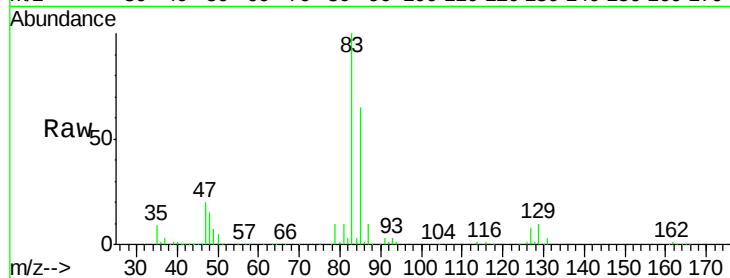
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	79640
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1
127	7.9	6.0	9.0

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#48

Methyl methacrylate

Concen: 45.278 ug/l

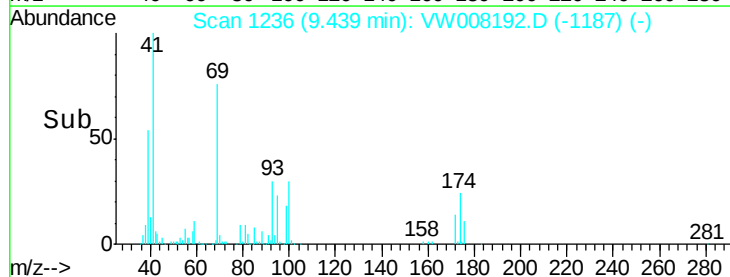
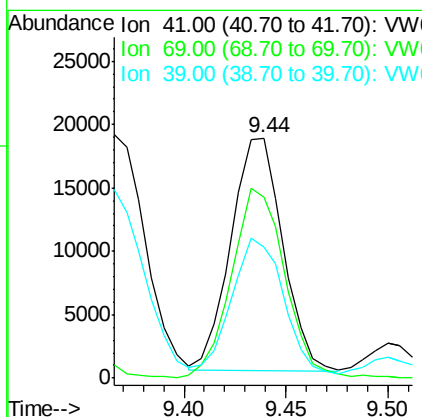
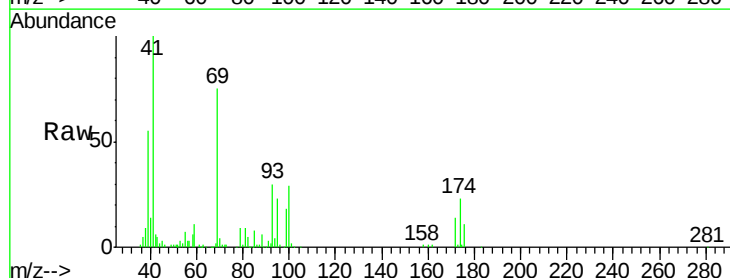
RT: 9.44 min Scan# 1236

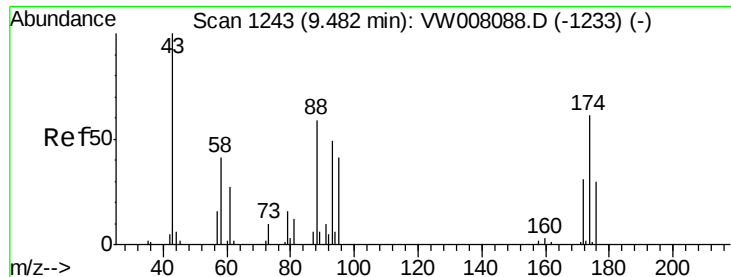
Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Tgt Ion:	41	Resp:	32453
Ion	Ratio	Lower	Upper
41	100		
69	84.1	61.9	92.9
39	57.6	43.0	64.4





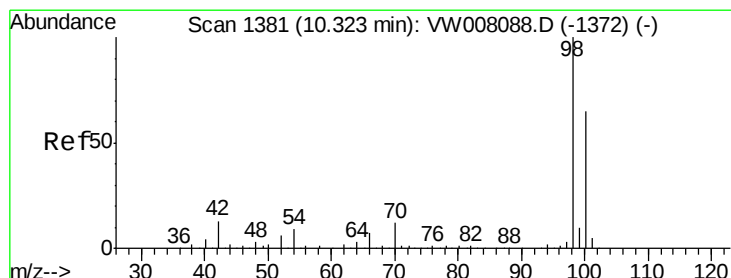
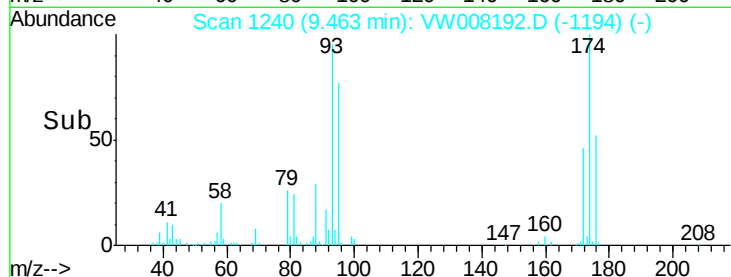
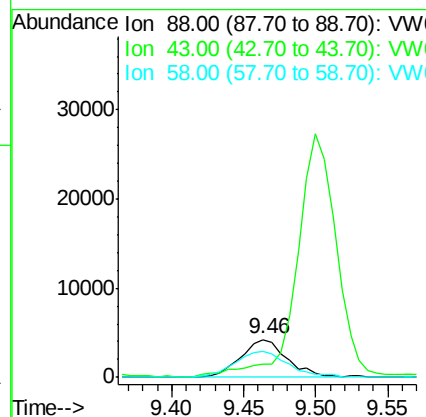
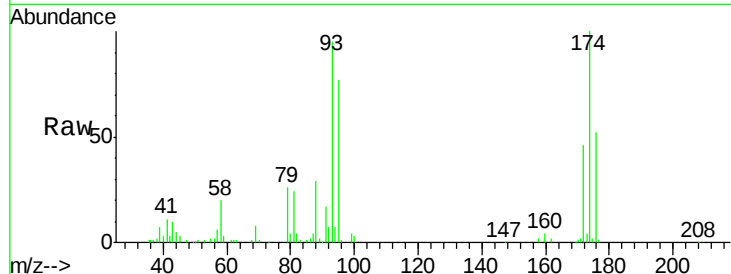
#49
1,4-Dioxane
Concen: 938.195 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.02 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	9450
Ion Ratio	100	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	80.2	61.7	92.5

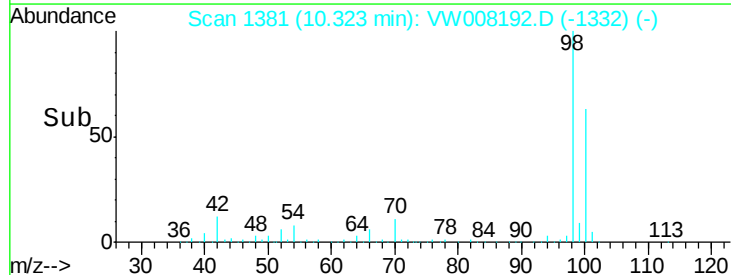
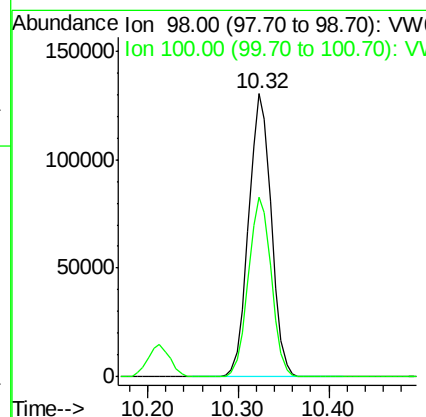
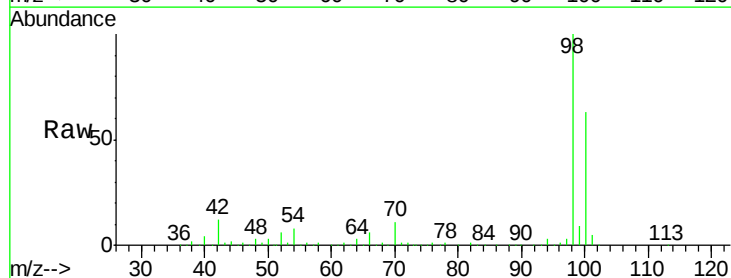
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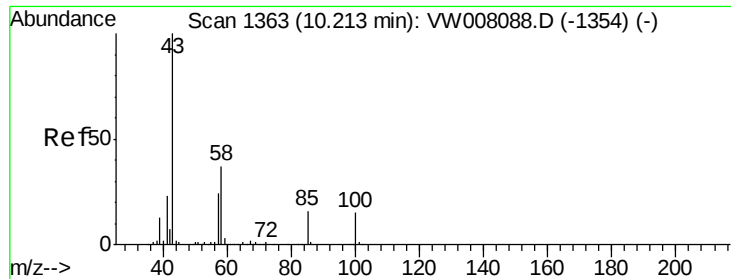
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#50
Toluene-d8
Concen: 49.868 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	98	Resp	224689
Ion Ratio	100	Lower	Upper
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 223.574 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 164389

Ion Ratio Lower Upper

43 100

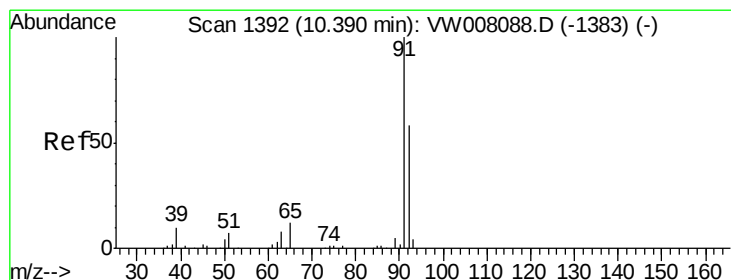
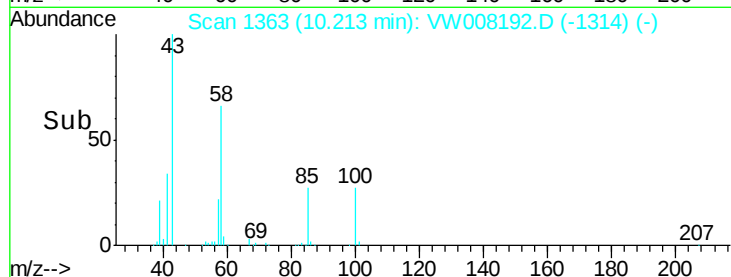
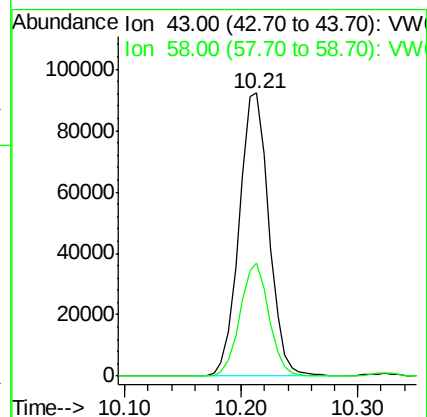
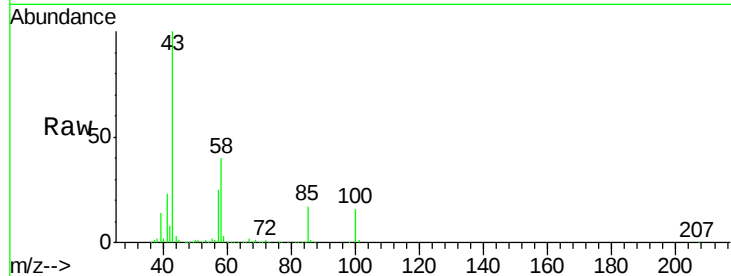
58 38.8 30.6 46.0

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#52

Toluene

Concen: 51.376 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008192.D

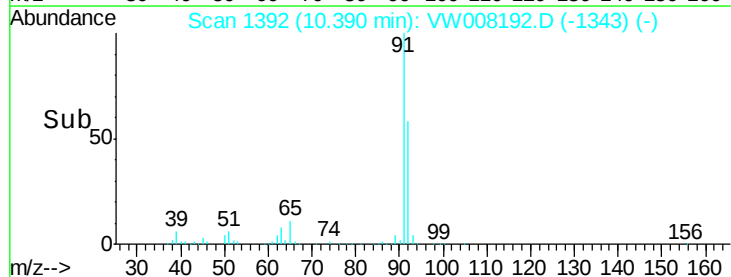
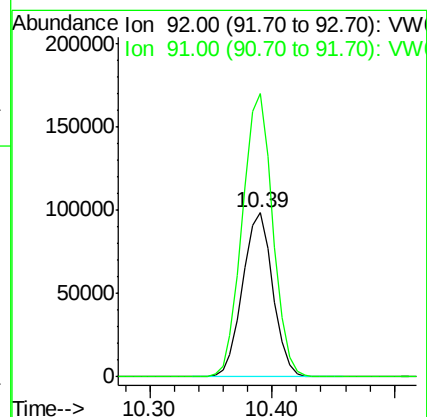
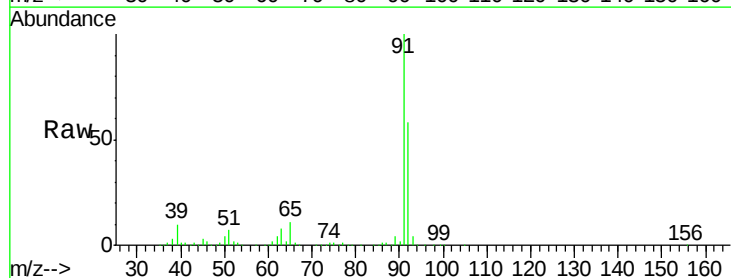
Acq: 11 Jan 2019 14:11

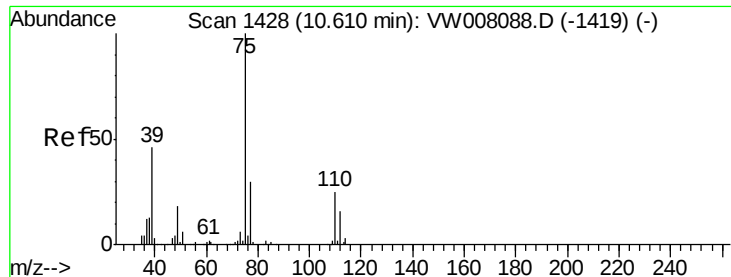
Tgt Ion: 92 Resp: 168760

Ion Ratio Lower Upper

92 100

91 173.5 137.0 205.4





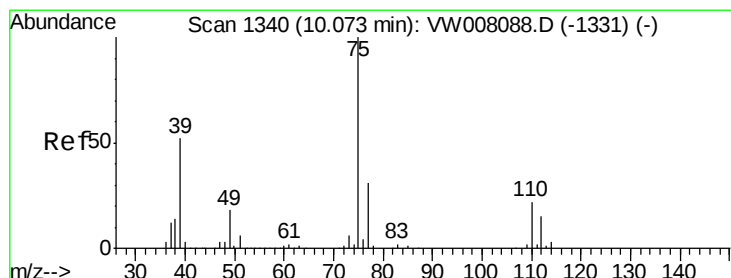
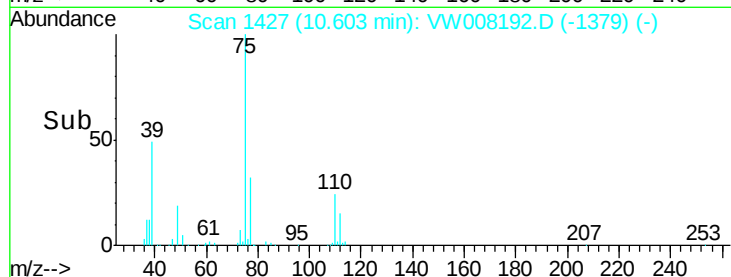
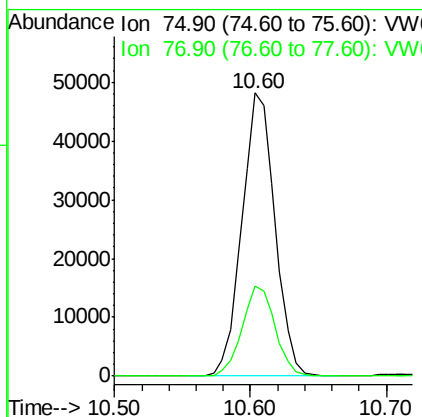
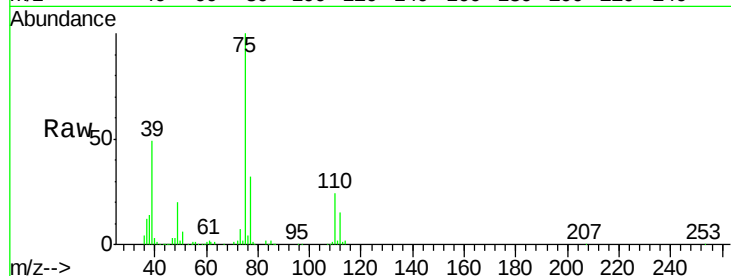
#53
t-1,3-Dichloropropene
Concen: 49.321 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 81590
Ion Ratio Lower Upper
75 100
77 31.8 24.4 36.6

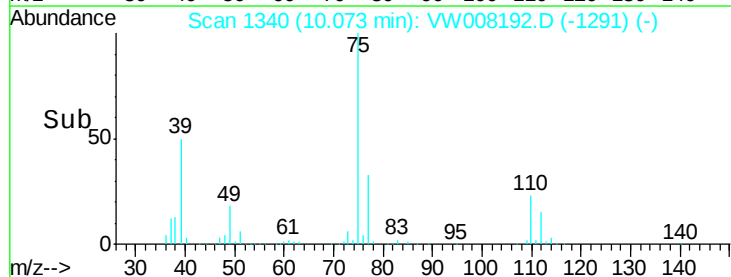
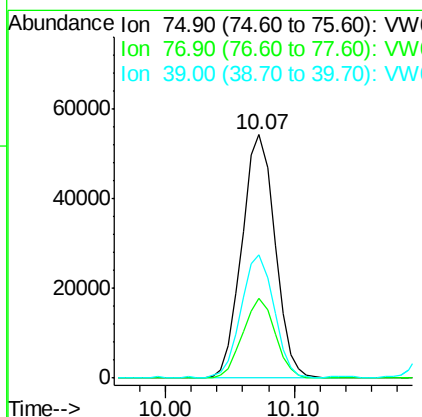
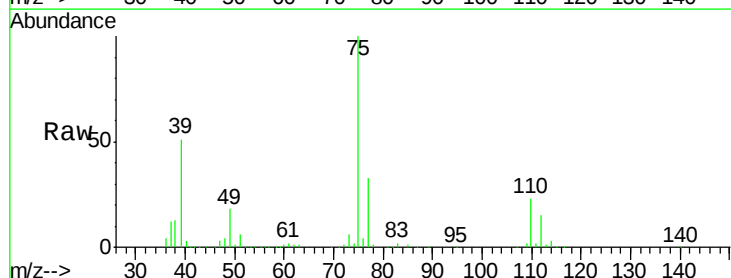
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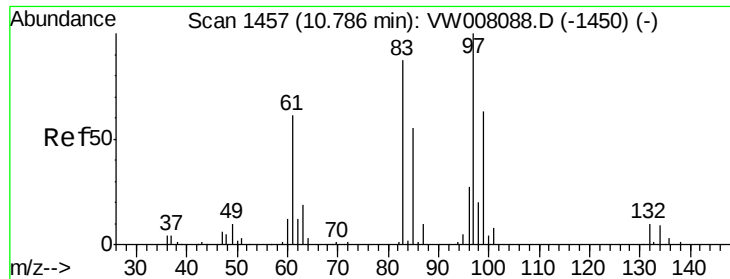
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#54
cis-1,3-Dichloropropene
Concen: 49.415 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion: 75 Resp: 96935
Ion Ratio Lower Upper
75 100
77 32.6 25.2 37.8
39 50.1 41.4 62.0





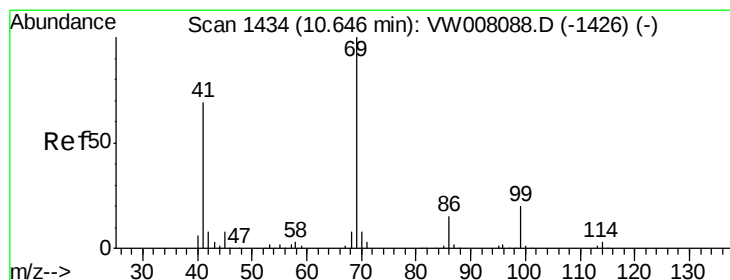
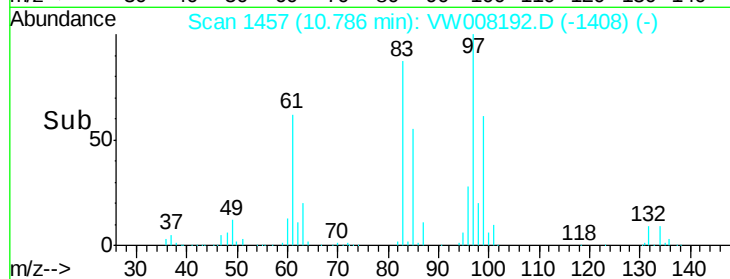
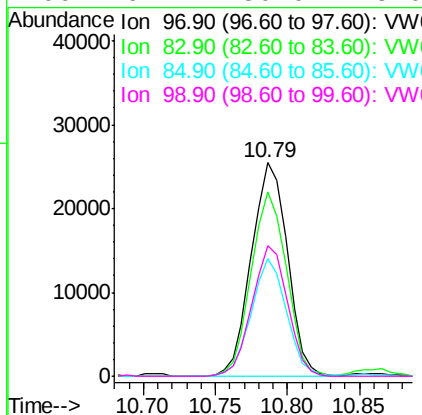
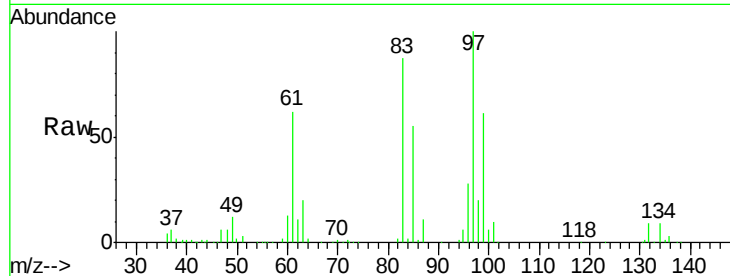
#55
 1,1,2-Trichloroethane
 Concen: 50.352 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	44278
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.3	103.9
85	55.2	43.8	65.6
99	61.4	50.0	75.0

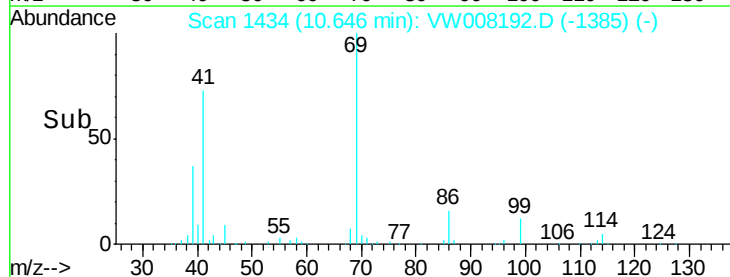
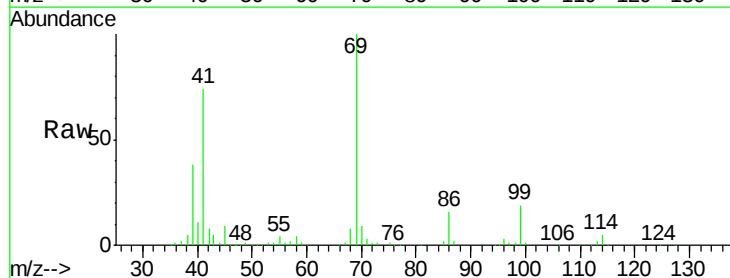
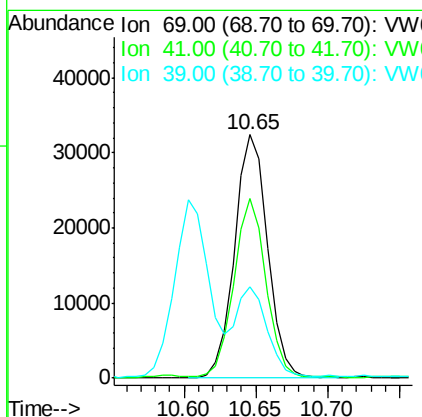
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#56
 Ethyl methacrylate
 Concen: 47.689 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Tgt Ion:	69	Resp:	51934
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.4	84.6
39	35.2	28.1	42.1





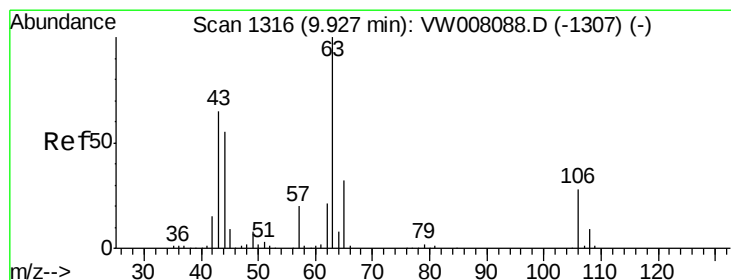
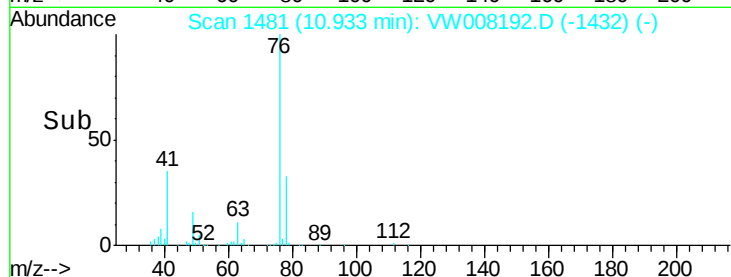
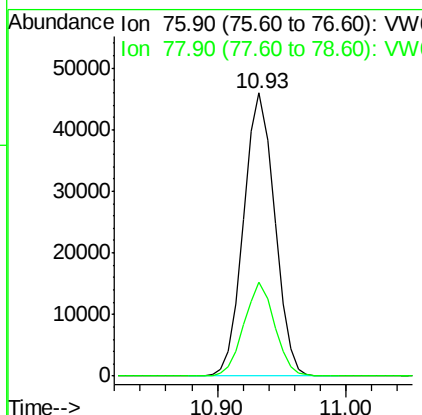
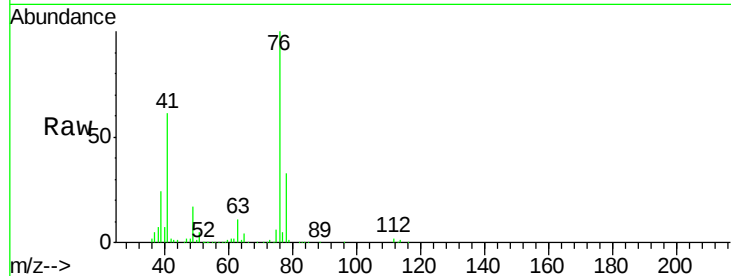
#57
 1,3-Dichloropropane
 Concen: 47.570 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 76504
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

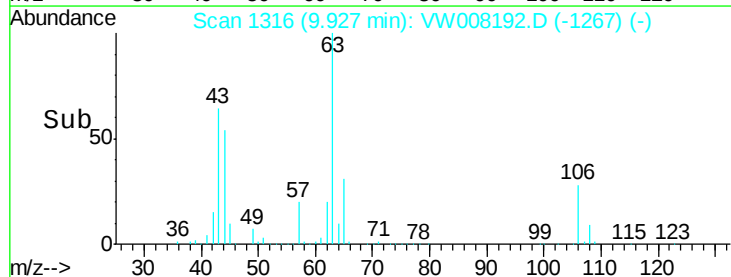
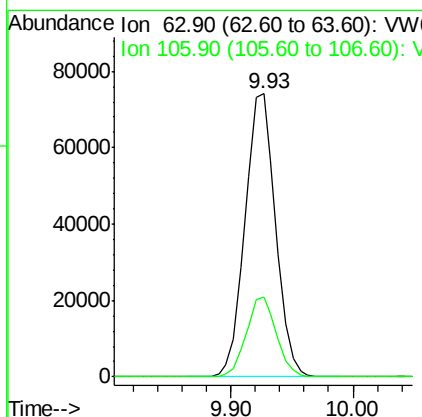
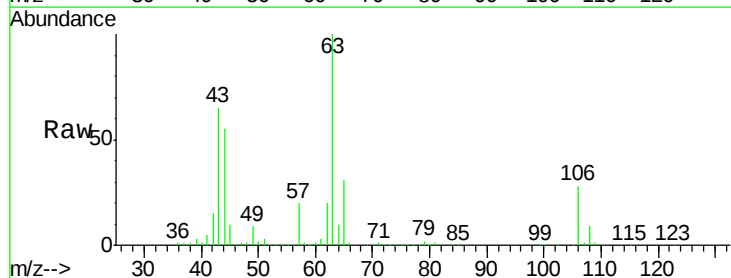
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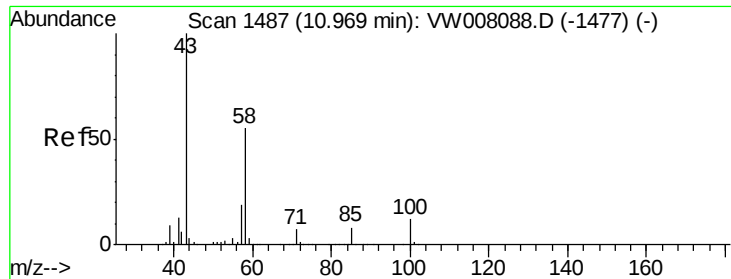
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#58
 2-Chloroethyl Vinyl ether
 Concen: 228.540 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Tgt Ion: 63 Resp: 128561
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.8 32.6





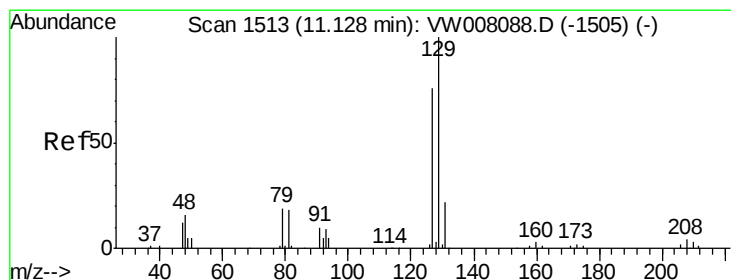
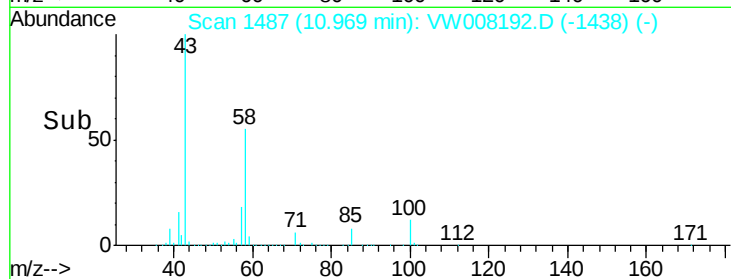
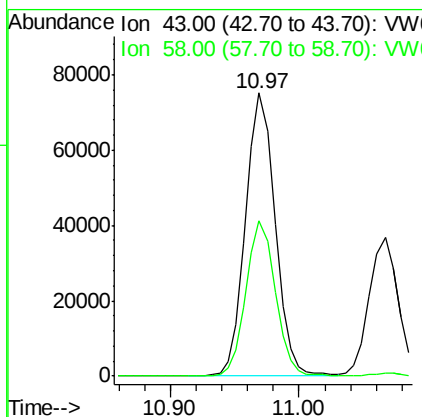
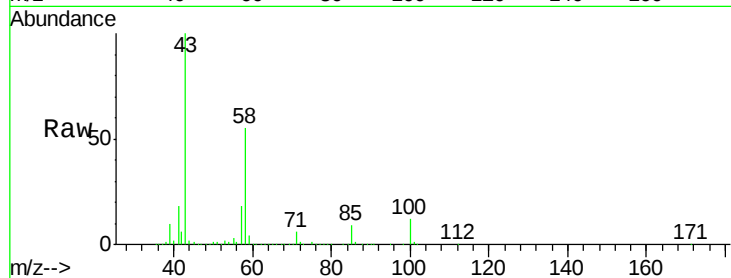
#59
2-Hexanone
Concen: 240.056 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 119363
Ion Ratio Lower Upper
43 100
58 54.3 27.2 81.5

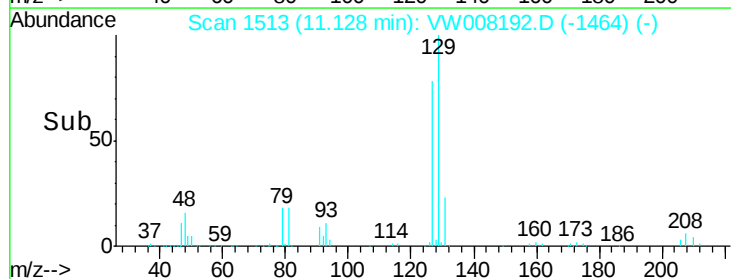
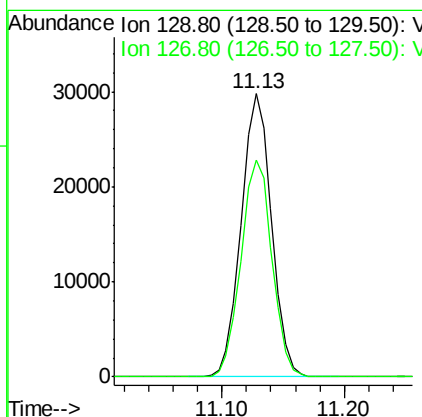
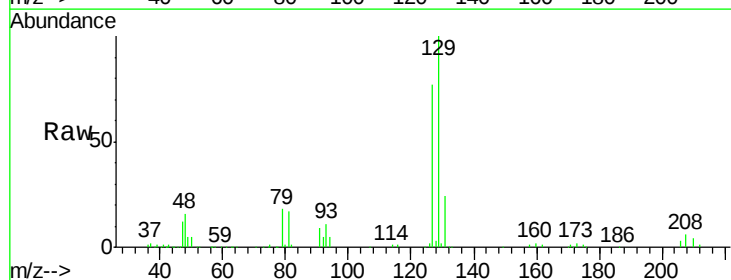
Manual Integrations
APPROVED

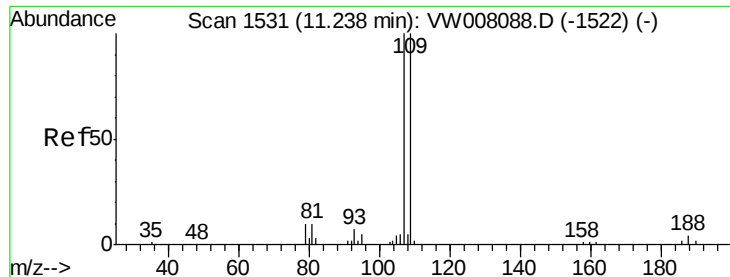
apatel
1/14/2019 2:41:44 PM



#60
Dibromochloromethane
Concen: 52.979 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion: 129 Resp: 51159
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.134 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 40997

Ion Ratio Lower Upper

107 100

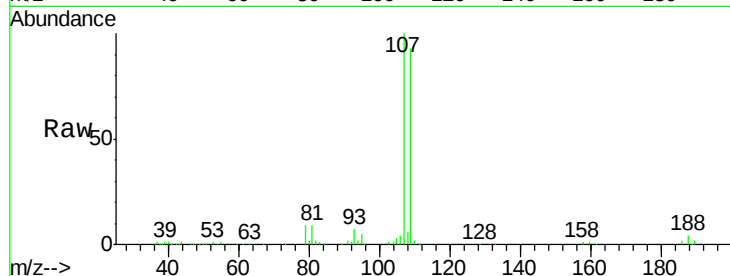
109 94.0 75.9 113.9

Manual Integrations

APPROVED

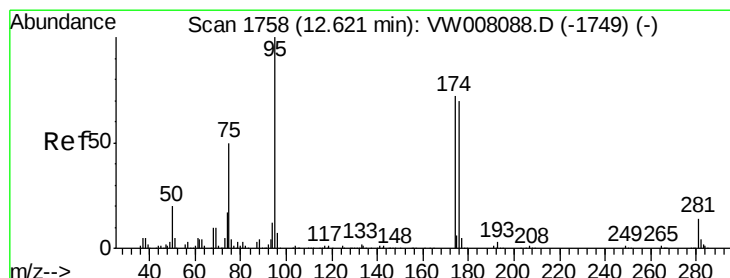
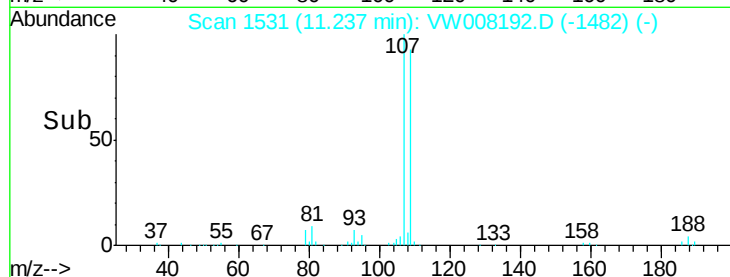
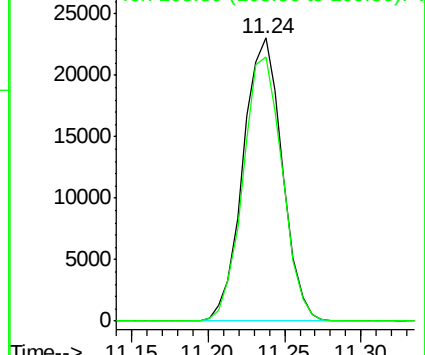
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.037 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

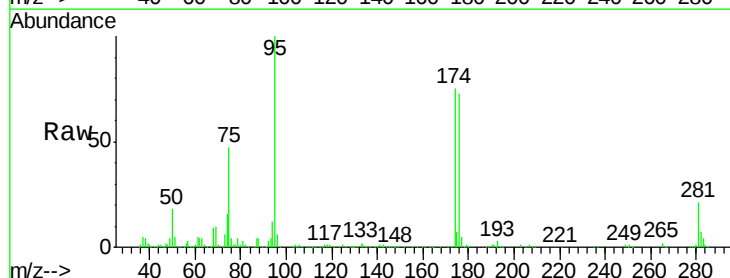
Tgt Ion: 95 Resp: 75977

Ion Ratio Lower Upper

95 100

174 78.5 0.0 143.0

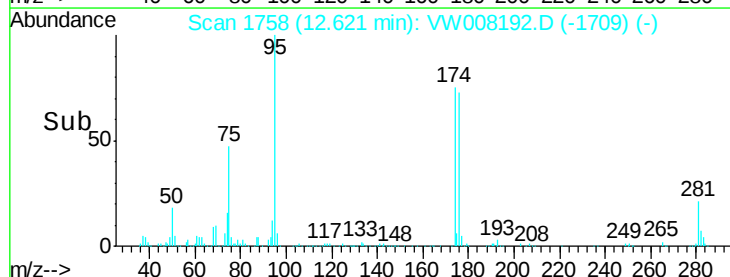
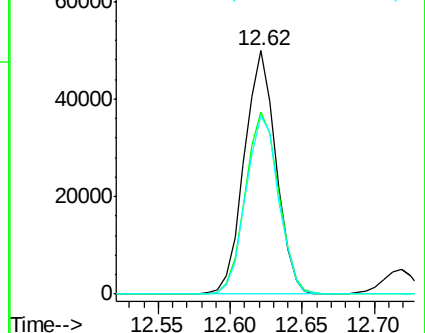
176 75.7 0.0 140.2

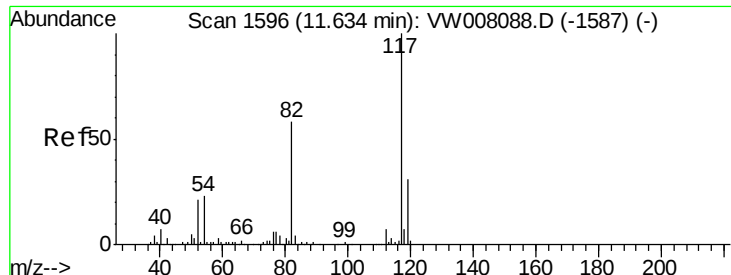


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





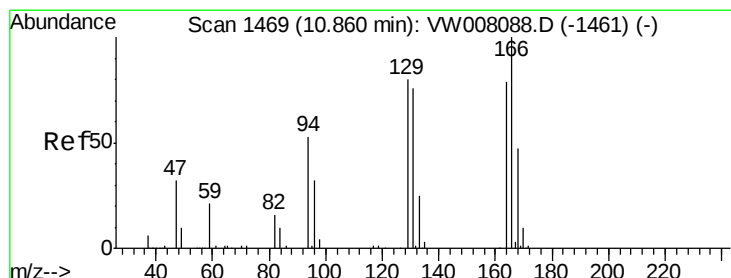
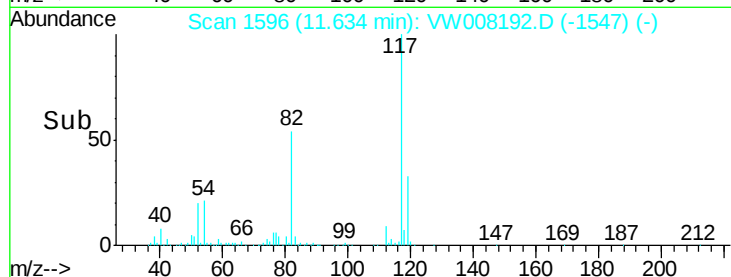
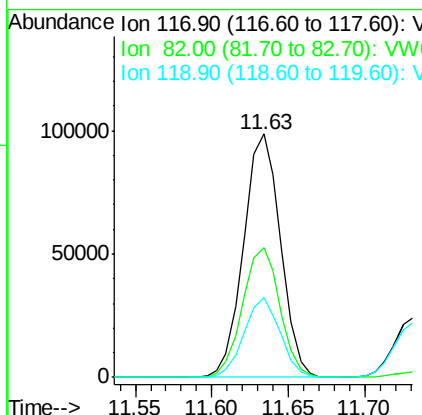
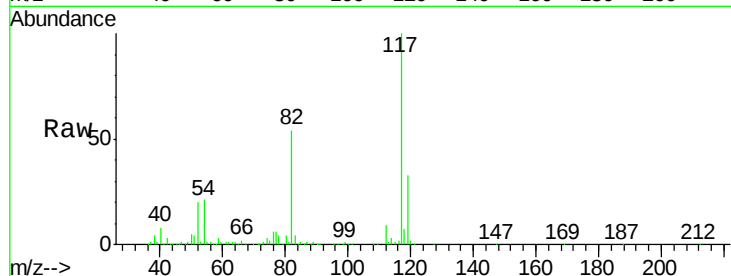
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	165614		
82	53.5	46.4	69.6	
119	32.5	24.7	37.1	

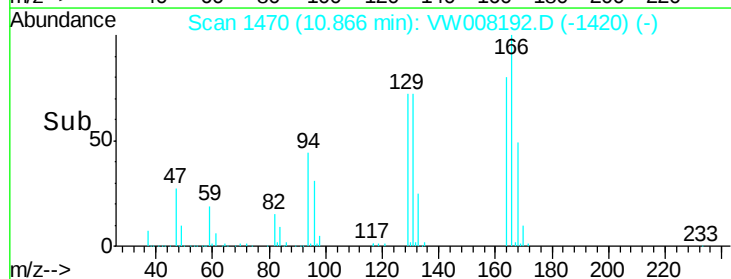
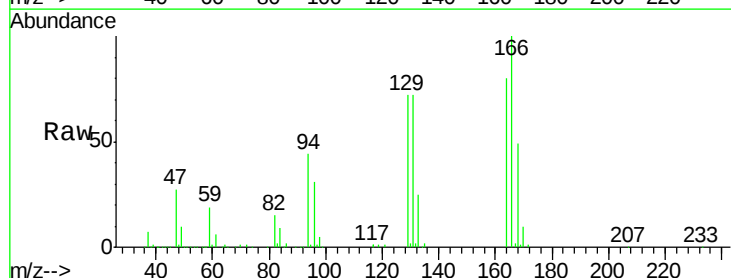
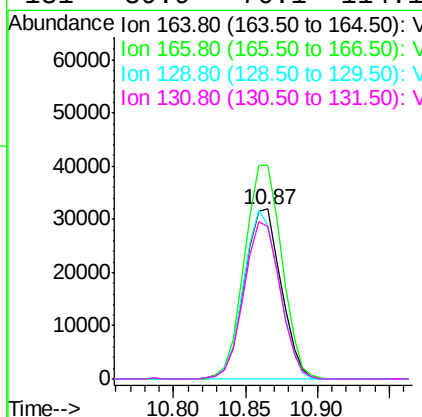
Manual Integrations
APPROVED

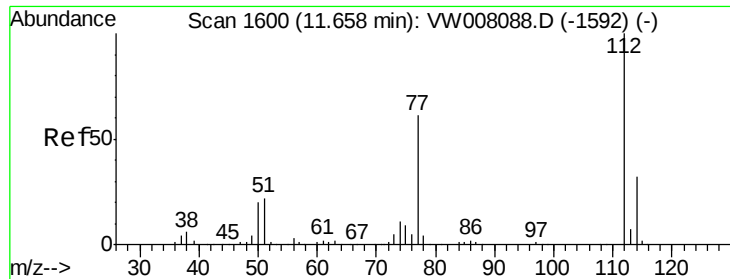
apatel
1/14/2019 2:41:44 PM



#64
Tetrachloroethene
Concen: 52.309 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56379		
166	125.4	100.7	151.1	
129	90.4	81.0	121.4	
131	89.9	76.1	114.1	





#65

Chlorobenzene

Concen: 50.770 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 178135

Ion Ratio Lower Upper

112 100

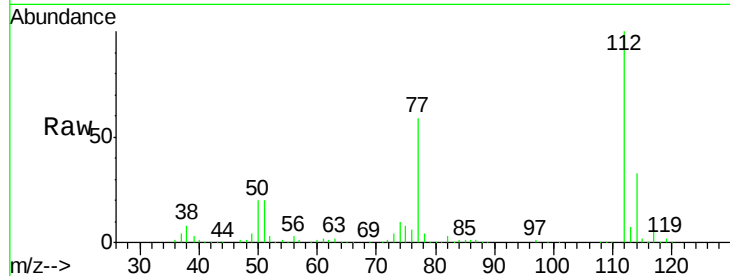
114 32.8 25.6 38.4

Manual Integrations

APPROVED

apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

100000

80000

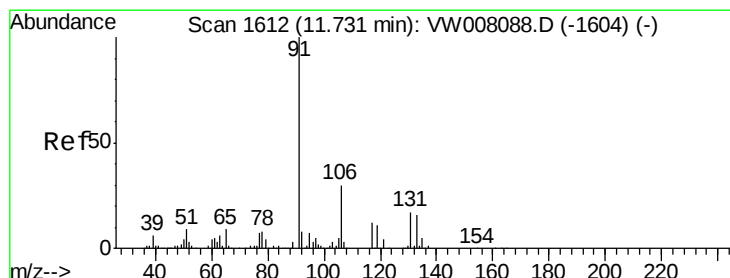
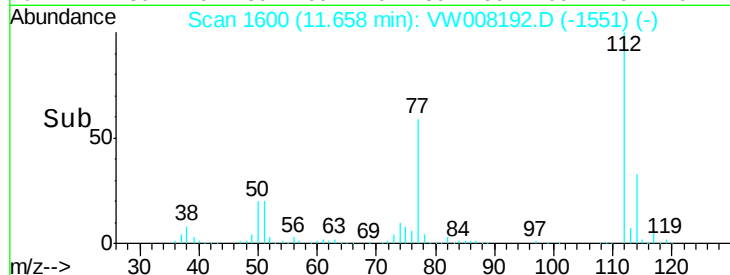
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.993 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

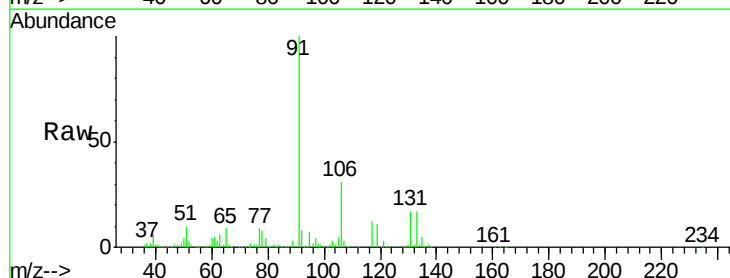
Tgt Ion:131 Resp: 59335

Ion Ratio Lower Upper

131 100

133 98.7 47.9 143.7

119 65.2 32.5 97.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

40000

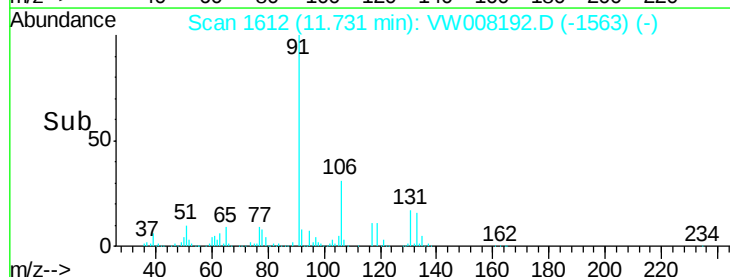
30000

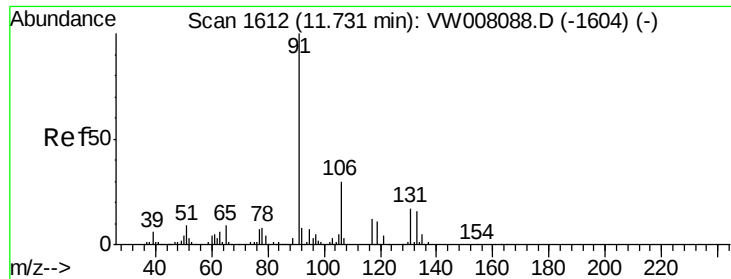
20000

10000

0

Time-->





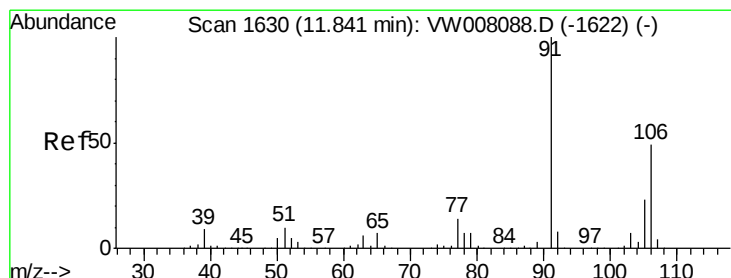
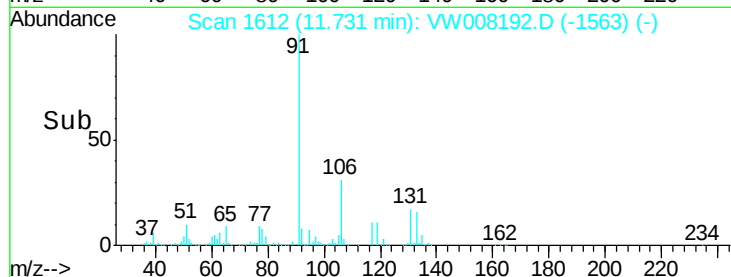
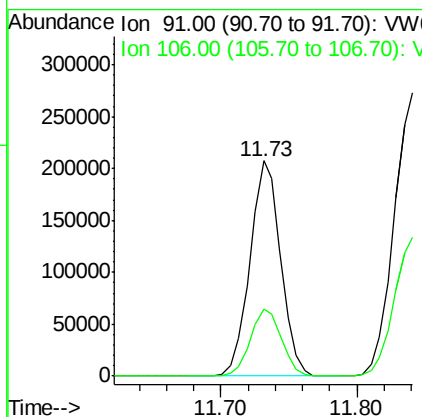
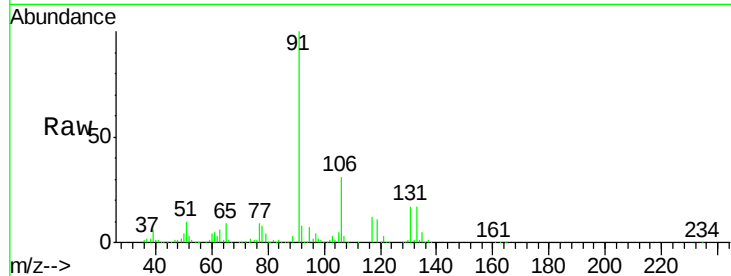
#67
Ethyl Benzene
Concen: 51.058 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 327784
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.4

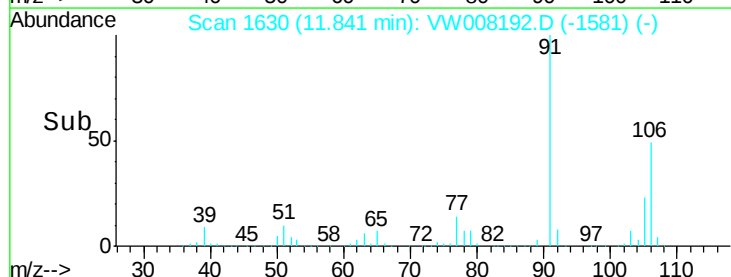
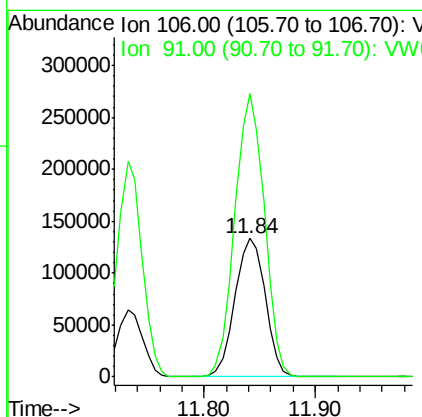
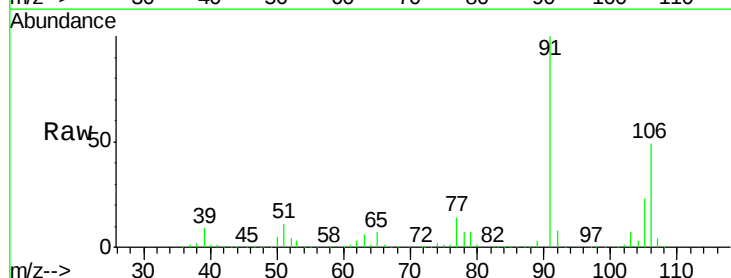
Manual Integrations
APPROVED

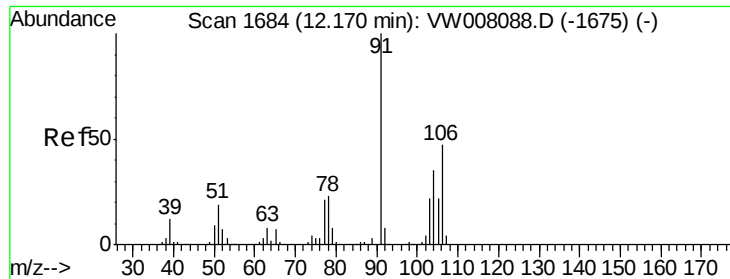
apatel
1/14/2019 2:41:44 PM



#68
m/p-Xylenes
Concen: 102.549 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion: 106 Resp: 251284
Ion Ratio Lower Upper
106 100
91 200.4 162.4 243.6





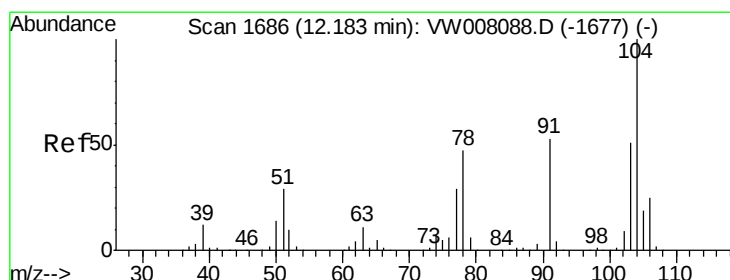
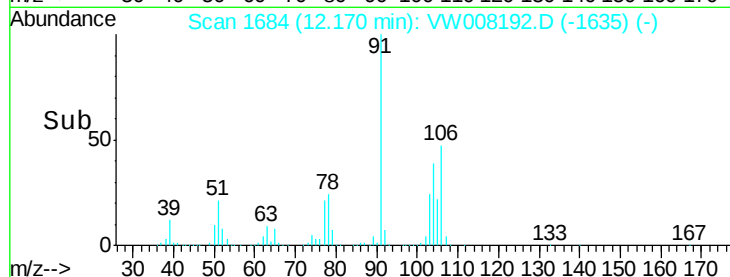
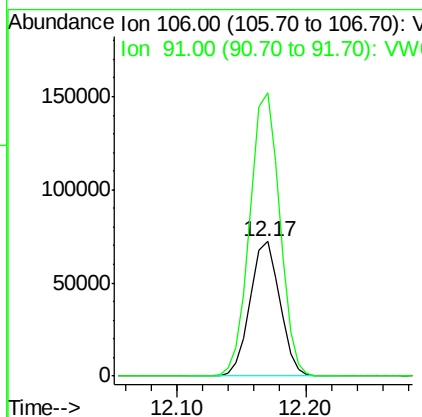
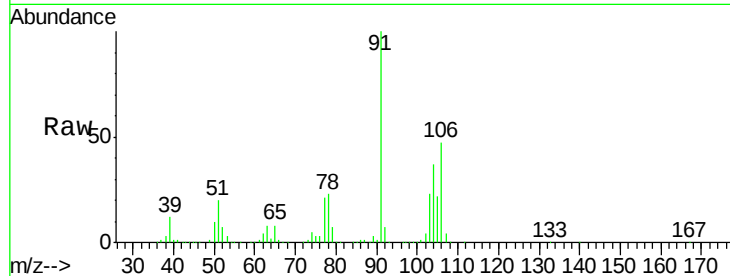
#69
o-Xylene
Concen: 50.822 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 115323
Ion Ratio Lower Upper
106 100
91 211.2 107.8 323.6

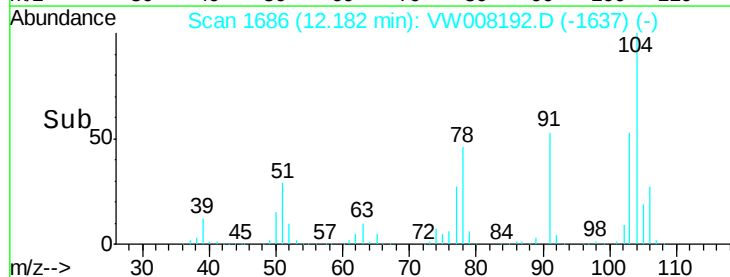
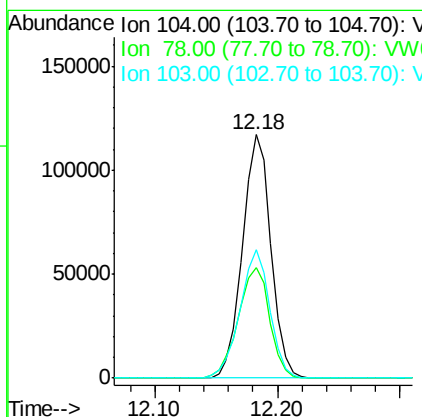
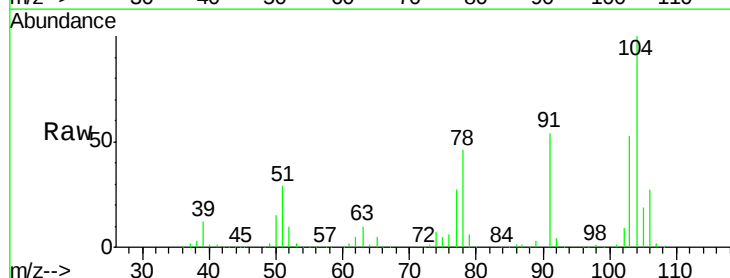
Manual Integrations
APPROVED

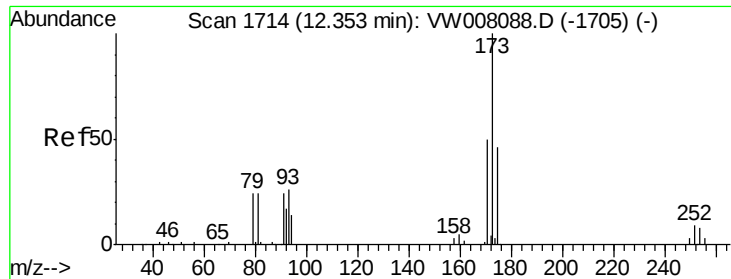
apatel
1/14/2019 2:41:44 PM



#70
Styrene
Concen: 52.989 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion:104 Resp: 188337
Ion Ratio Lower Upper
104 100
78 50.3 41.8 62.8
103 55.4 43.8 65.8





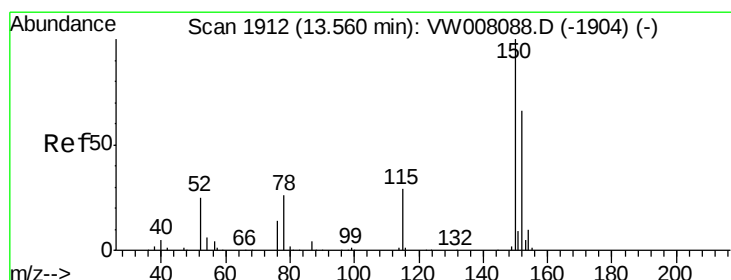
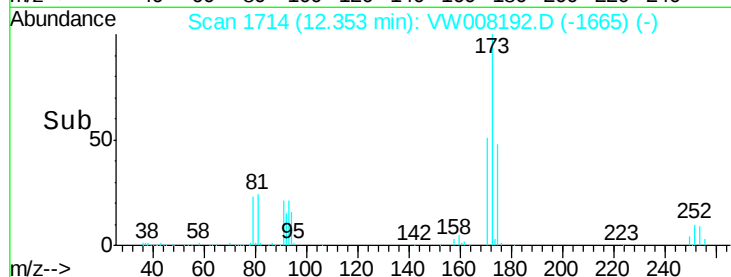
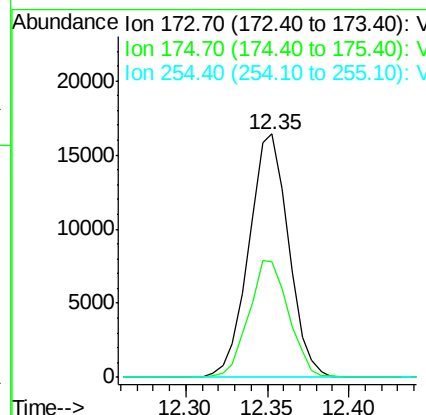
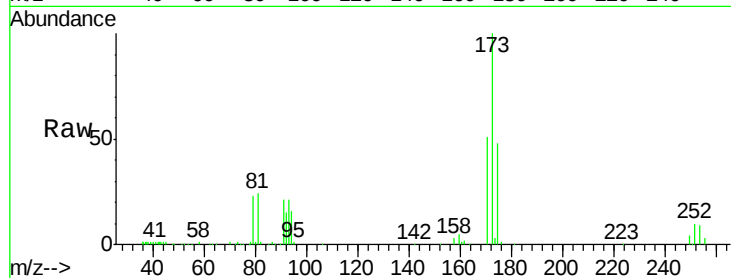
#71
Bromoform
Concen: 54.423 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.3	69.8
254	0.0	0.0	0.0

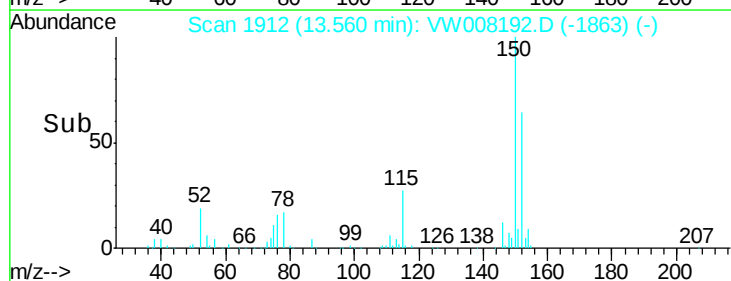
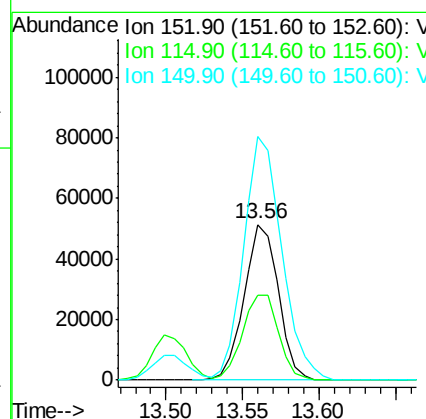
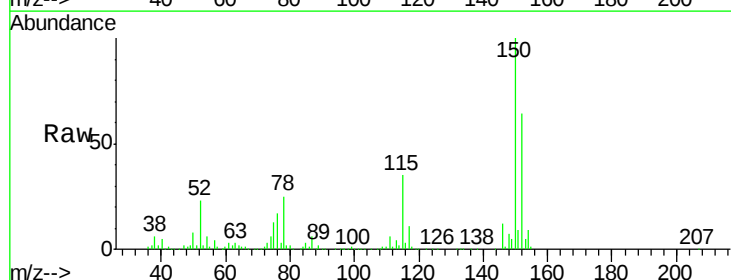
Manual Integrations
APPROVED

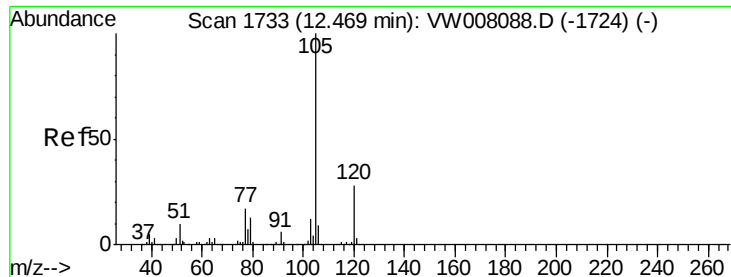
apatel
1/14/2019 2:41:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.8	92.4
150	174.4	0.0	350.2





#73

Isopropylbenzene

Concen: 52.130 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 326610

Ion Ratio Lower Upper

105 100

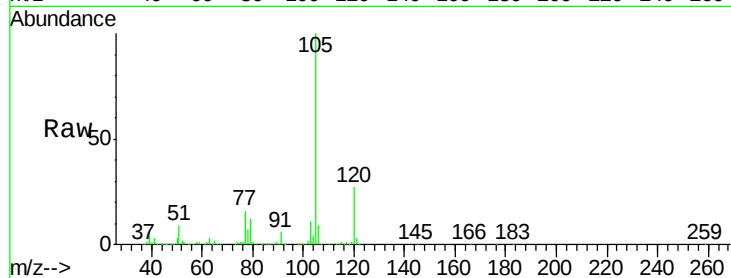
120 27.0 13.6 40.8

Manual Integrations

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apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

200000

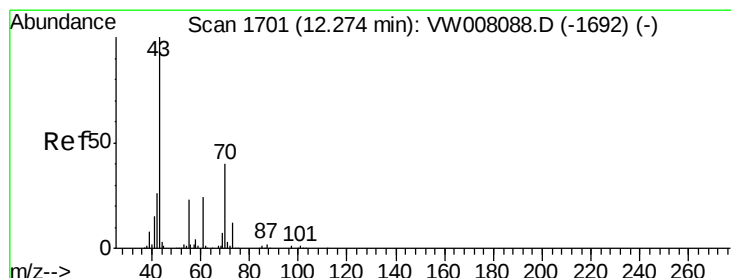
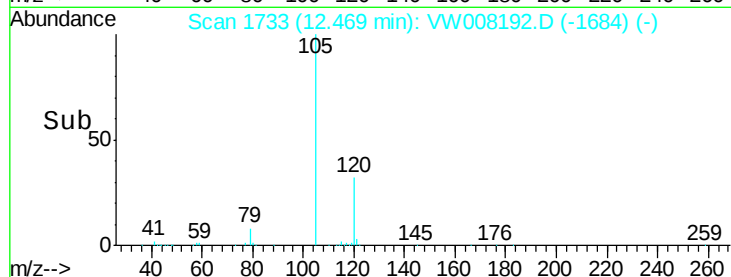
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 45.824 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Tgt Ion: 43 Resp: 63580

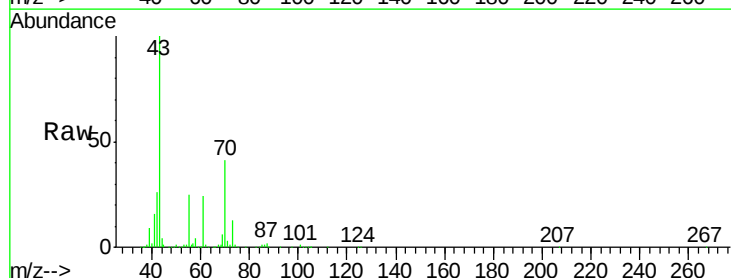
Ion Ratio Lower Upper

43 100

70 41.1 32.4 48.6

55 25.0 18.7 28.1

61 23.3 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

60000

50000

40000

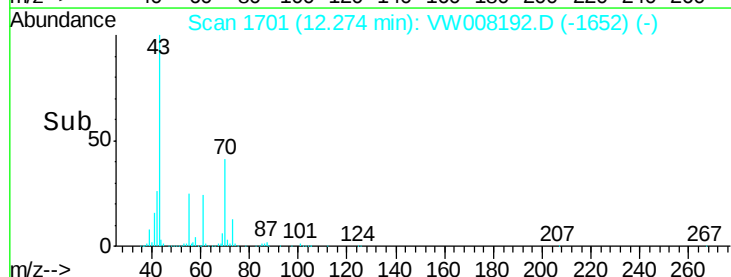
30000

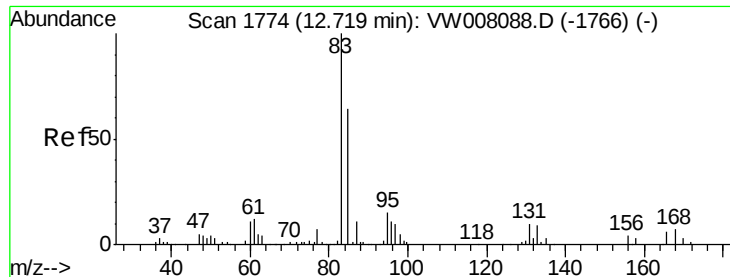
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.034 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

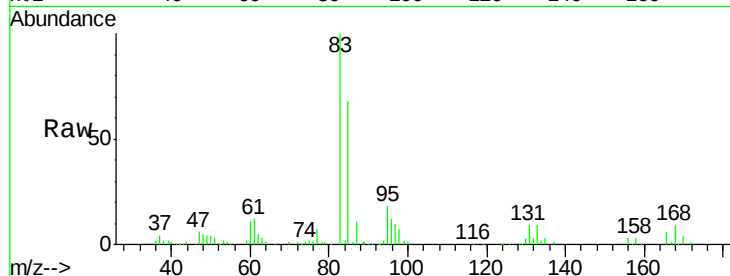
ClientSampleId :

VSTDCCC050

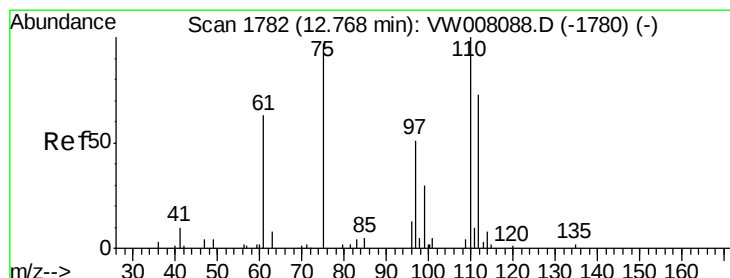
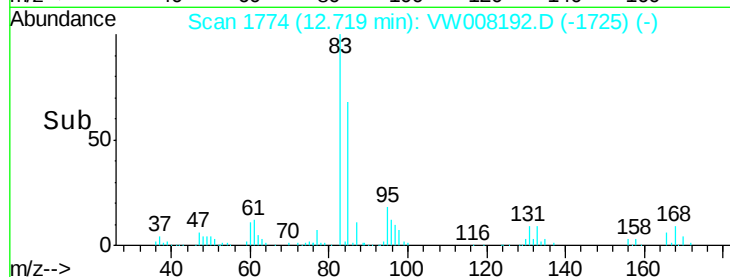
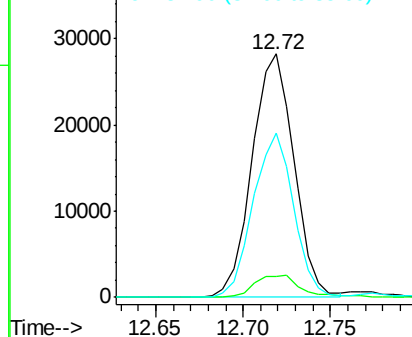
Tot Ion:	83	Resp:	47168
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	16.1
85	65.1	32.4	97.2

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



#76

1,2,3-Trichloropropane

Concen: 40.295 ug/l m

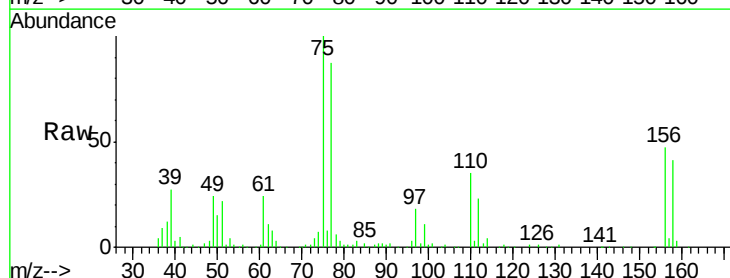
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

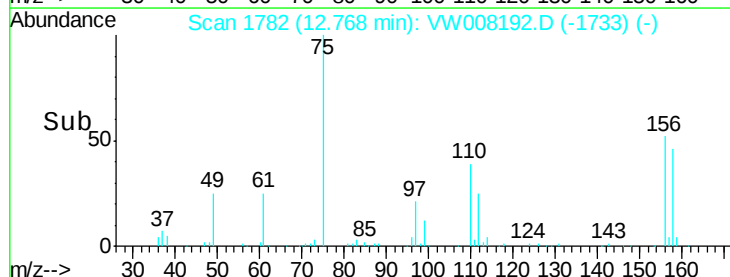
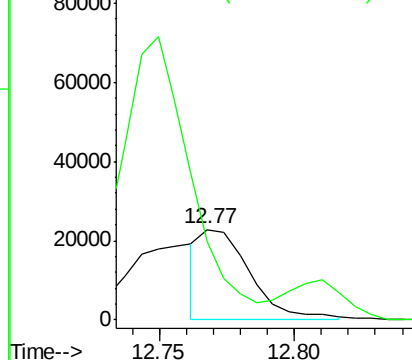
Lab File: VW008192.D

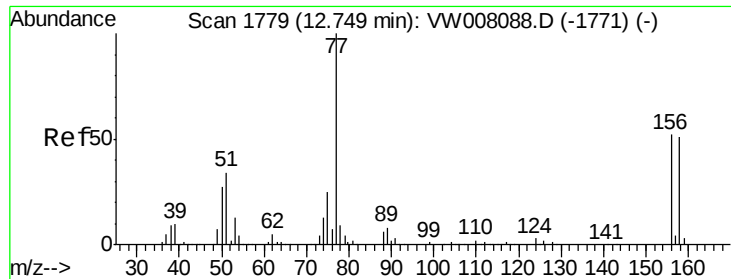
Acq: 11 Jan 2019 14:11

Tgt Ion:	75	Resp:	29314
Ion Ratio	Lower	Upper	
75	100		
77	438.0	179.4	538.2



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





#77

Bromobenzene

Concen: 51.682 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

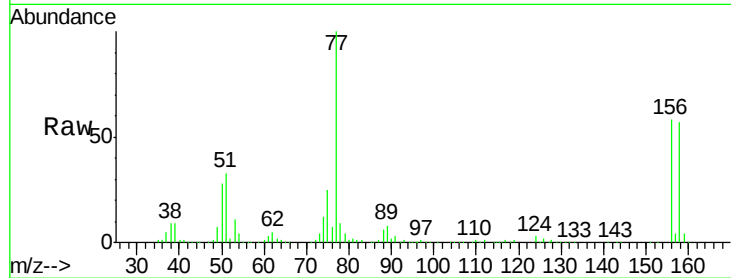
ClientSampleId :

VSTDCCC050

Tot Ion	156	Resp	68419
Ion Ratio	Lower	Upper	
156	100		
77	187.7	104.2	312.5
158	97.3	47.9	143.6

Manual Integrations
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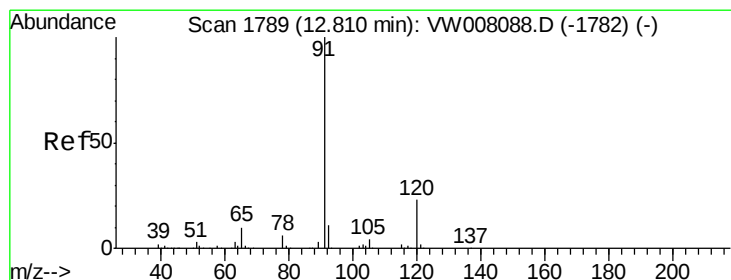
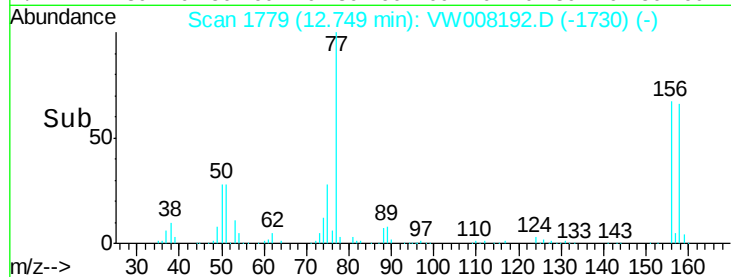
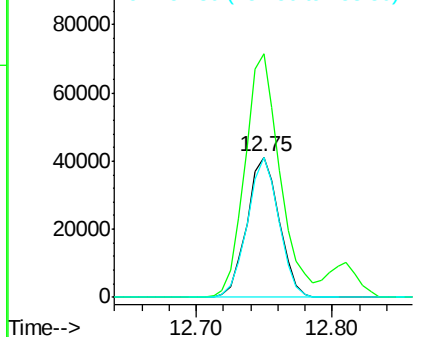


Abundance

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: 51.371 ug/l

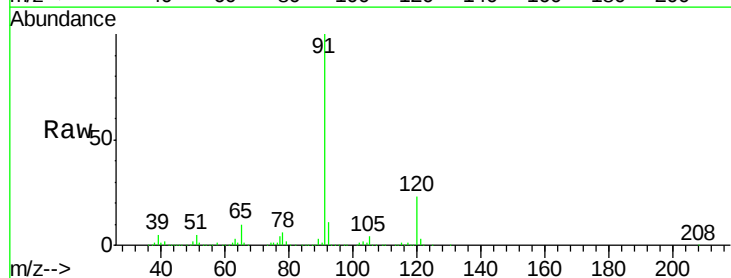
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

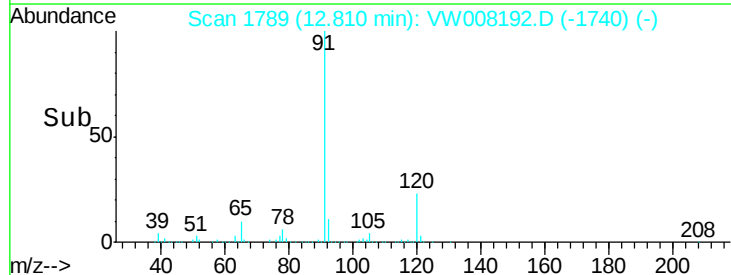
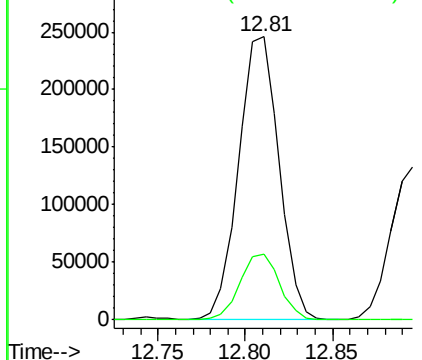
Tgt Ion	91	Resp	394363
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.8

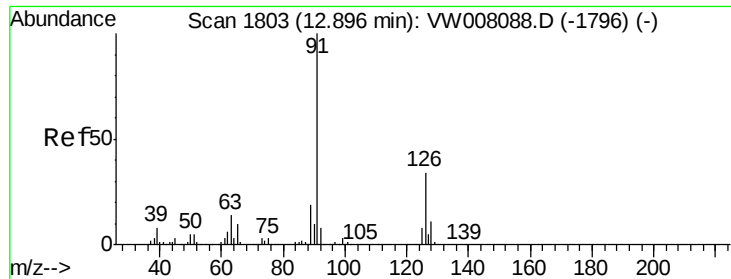


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





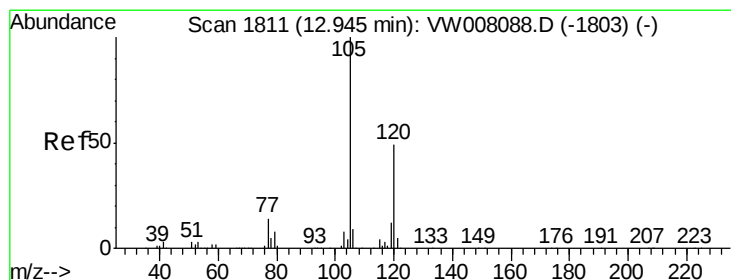
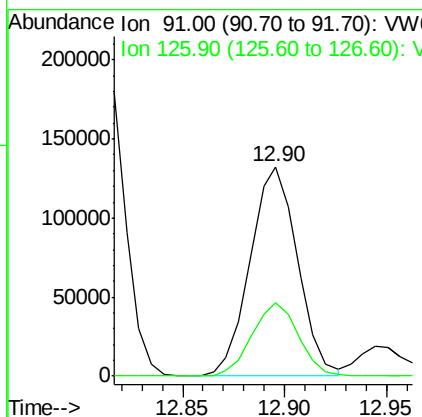
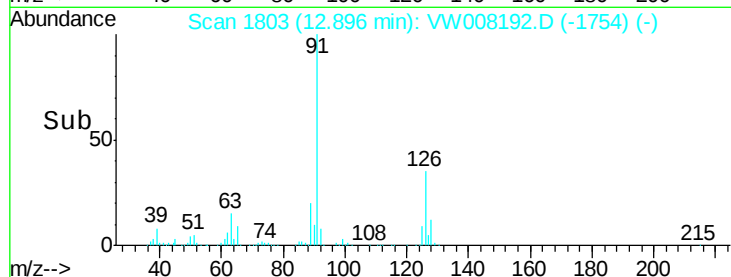
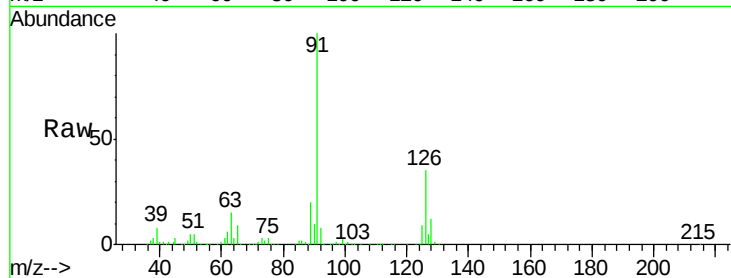
#79
 2-Chlorotoluene
 Concen: 49.976 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 214041
 Ion Ratio Lower Upper
 91 100
 126 34.3 16.8 50.3

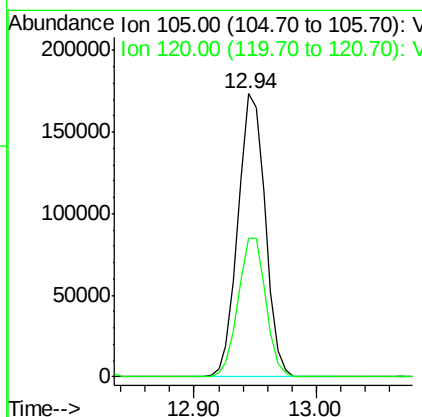
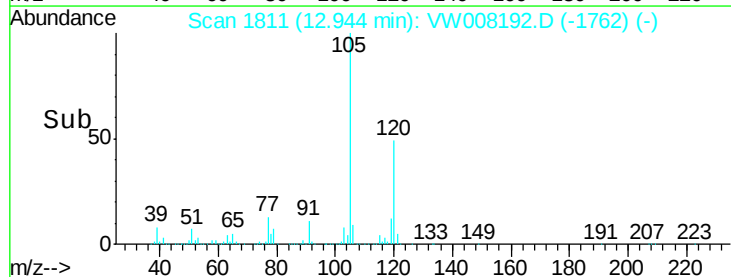
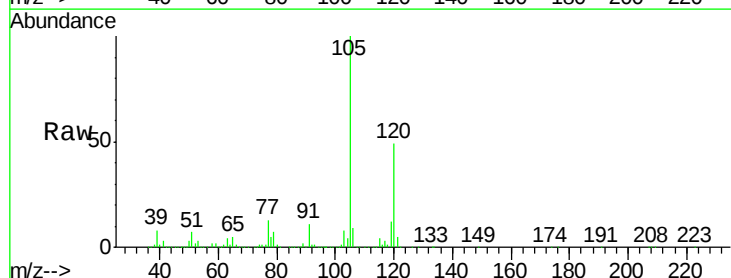
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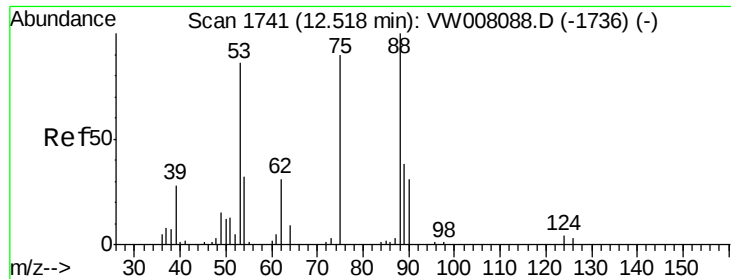
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.759 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Tgt Ion:105 Resp: 266485
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.7 74.1





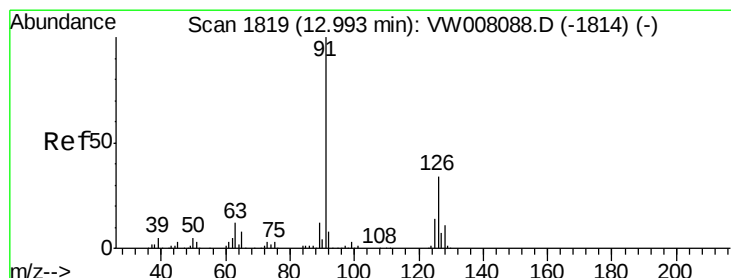
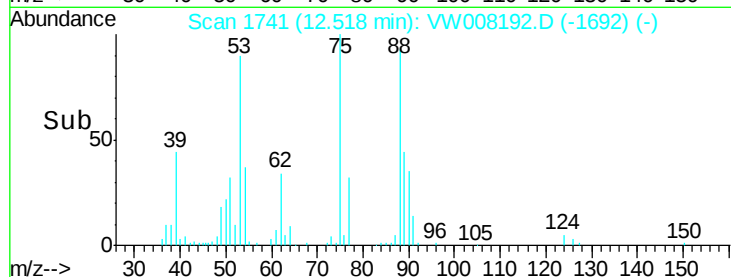
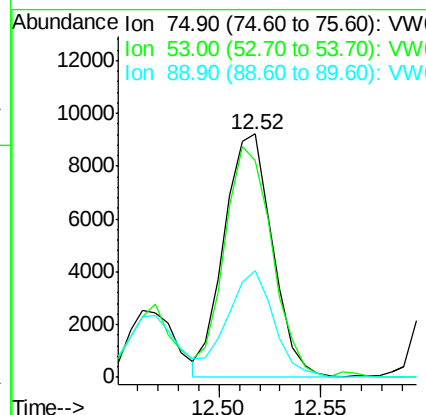
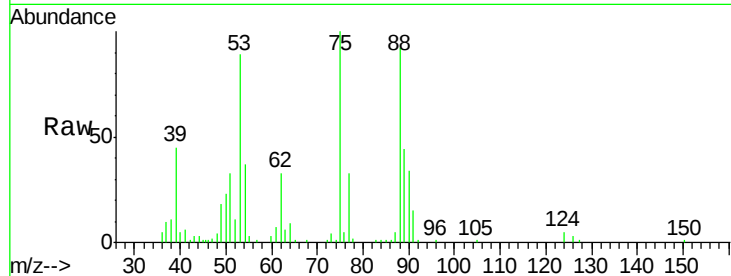
#81
trans-1,4-Dichloro-2-butene
Concen: 48.457 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	78.8	118.2
89	42.8	35.4	53.2

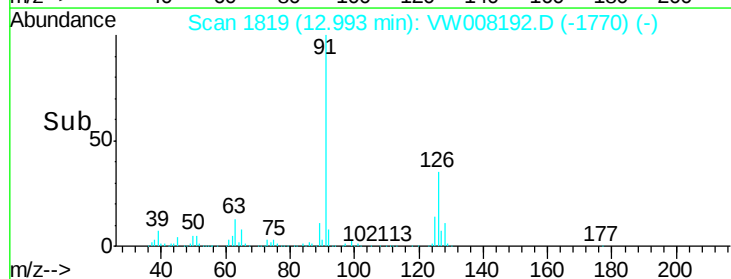
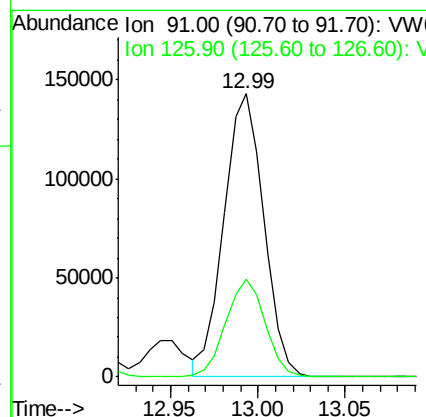
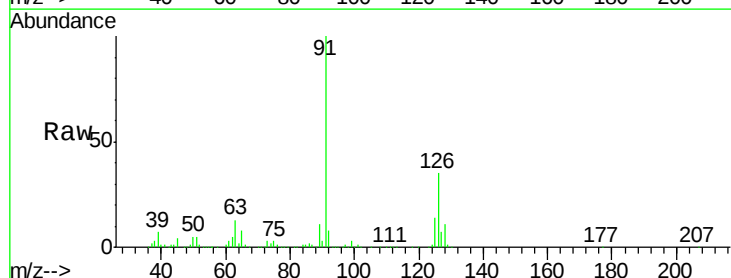
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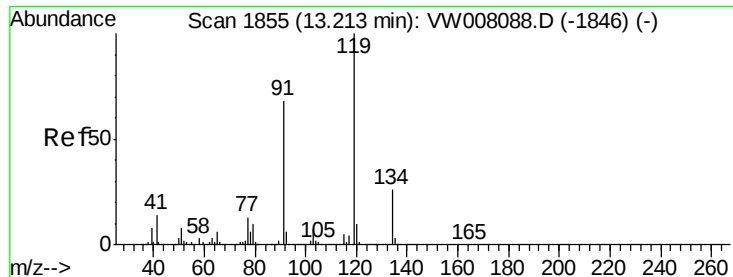
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#82
4-Chlorotoluene
Concen: 50.030 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.5	49.5





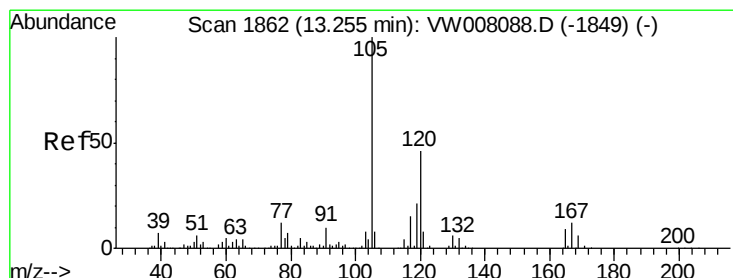
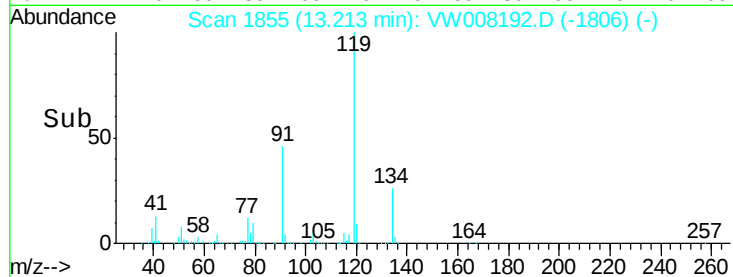
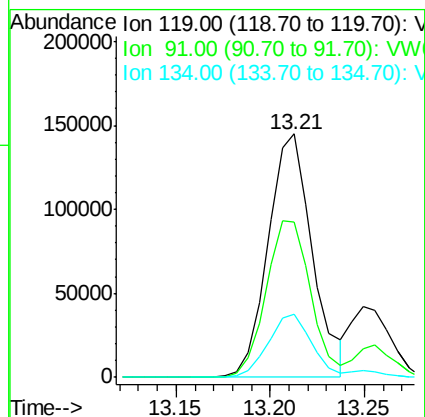
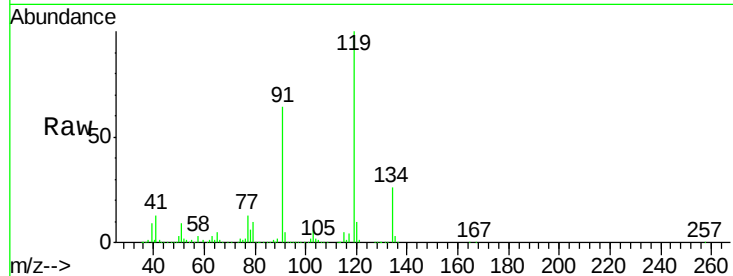
#83
tert-Butylbenzene
Concen: 51.765 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	33.9	101.6
134	27.5	13.6	40.8

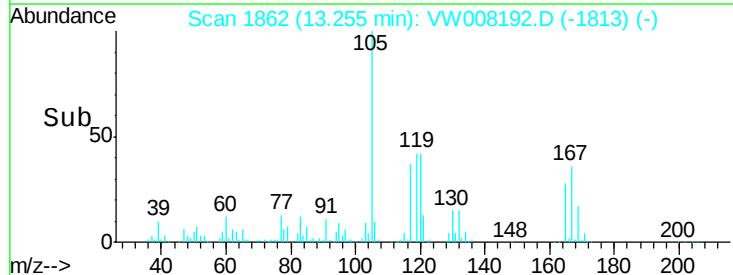
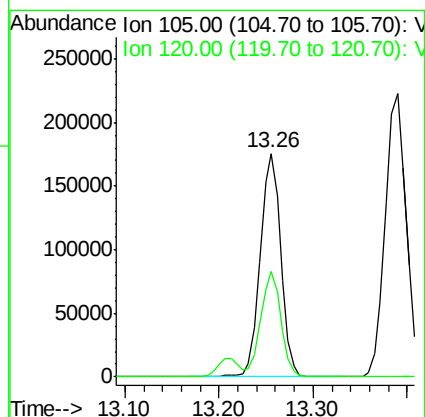
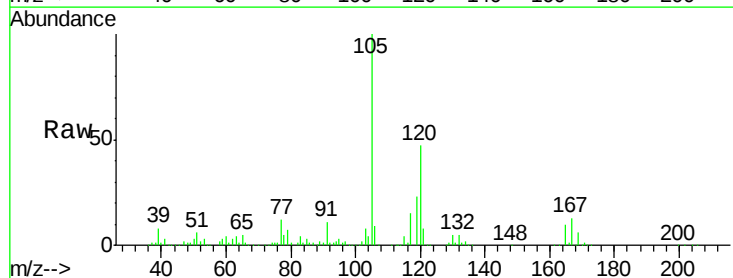
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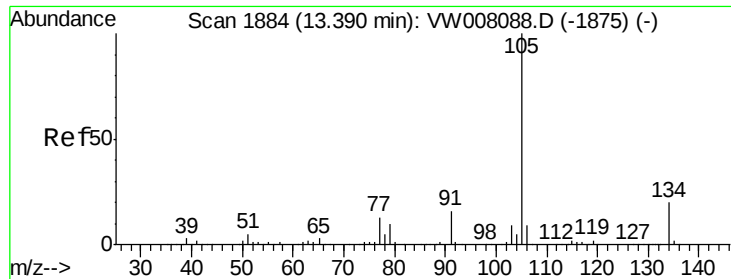
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#84
1,2,4-Trimethylbenzene
Concen: 50.579 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.7	68.1





#85

sec-Butylbenzene

Concen: 51.691 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 344892

Ion Ratio Lower Upper

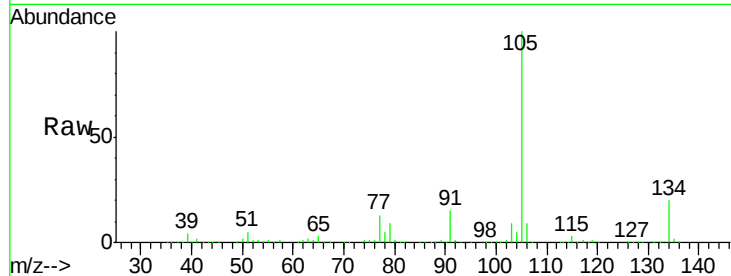
105 100

134 19.7 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

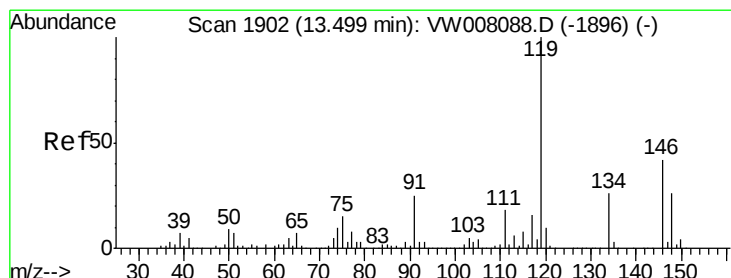
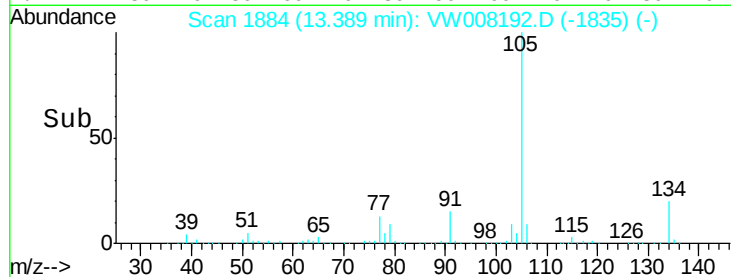
50000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 51.563 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

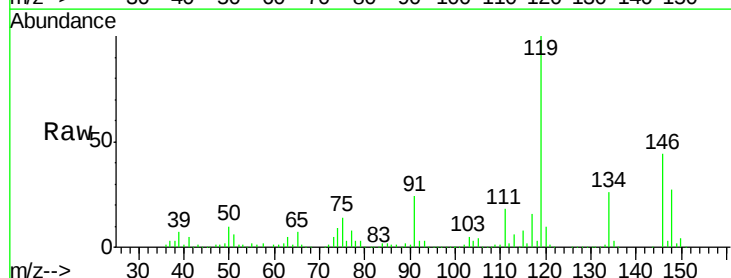
Tgt Ion:119 Resp: 297091

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 23.2 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

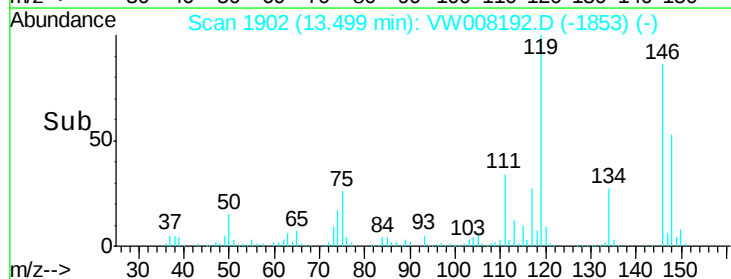
50000

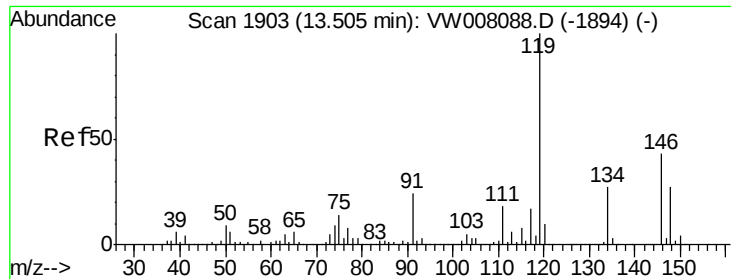
0

13.40

13.50

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.357 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Instrument :

MSVOA_W

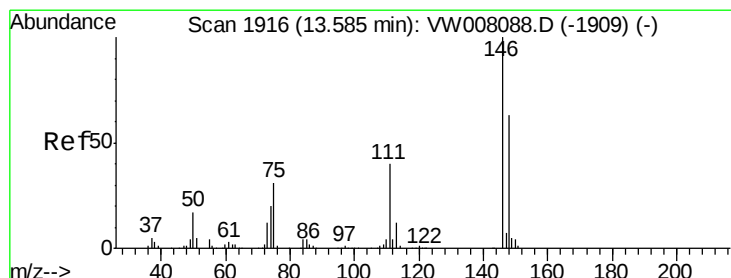
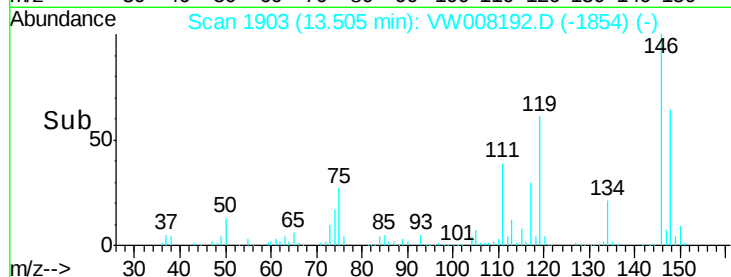
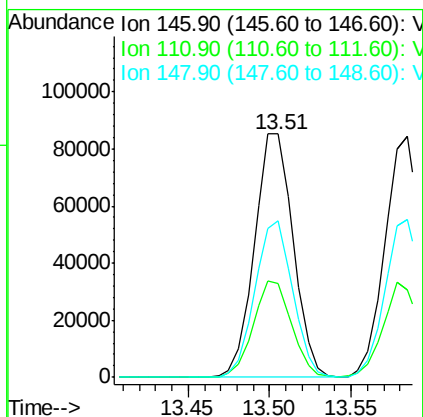
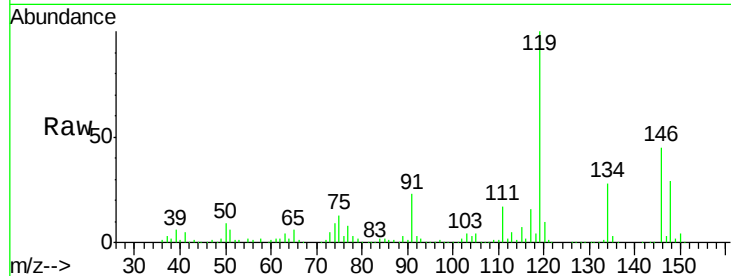
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.1	63.1
148	62.8	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 49.985 ug/l

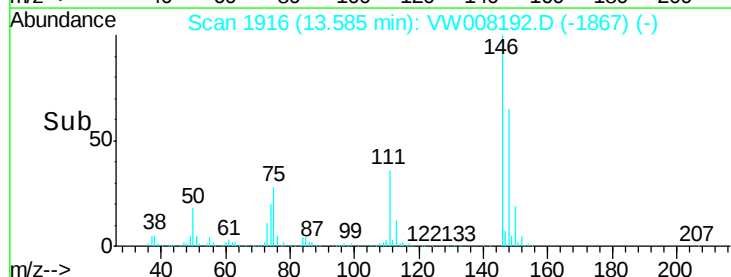
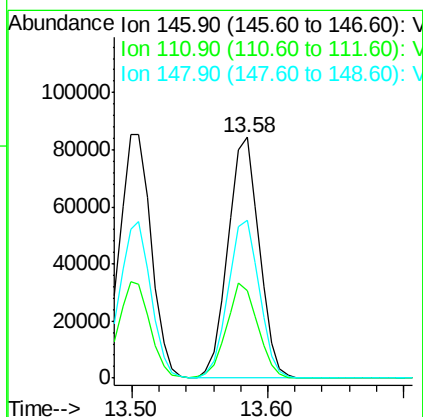
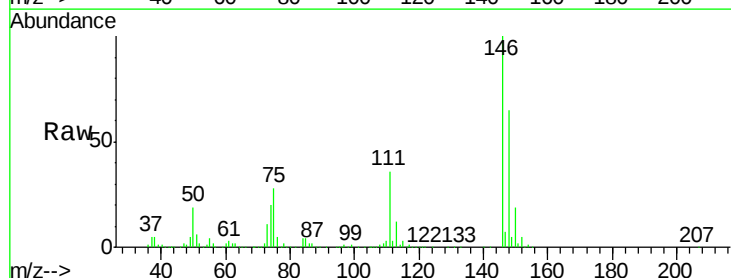
RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW008192.D

Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.5	61.5
148	66.0	31.6	94.8





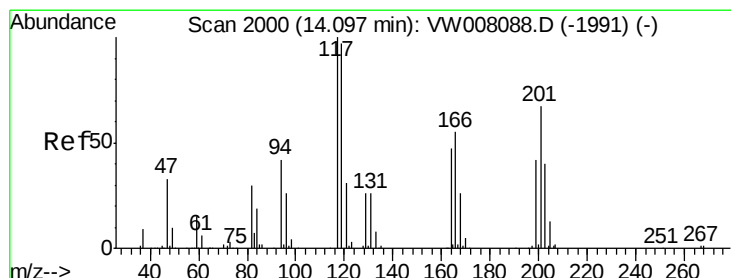
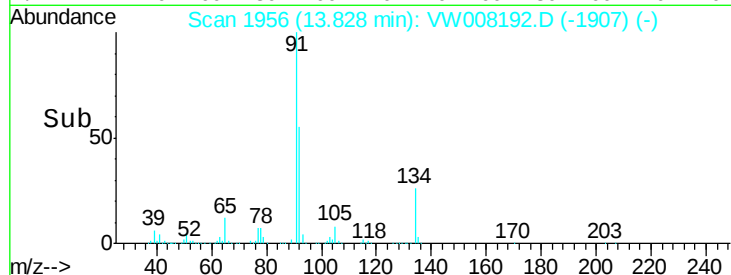
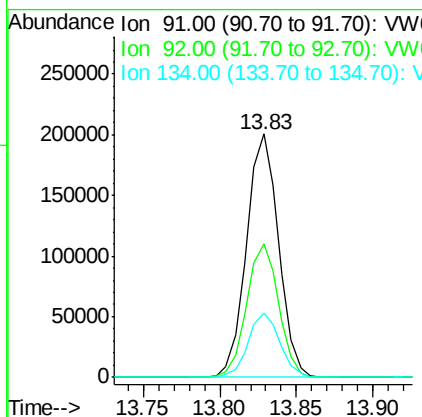
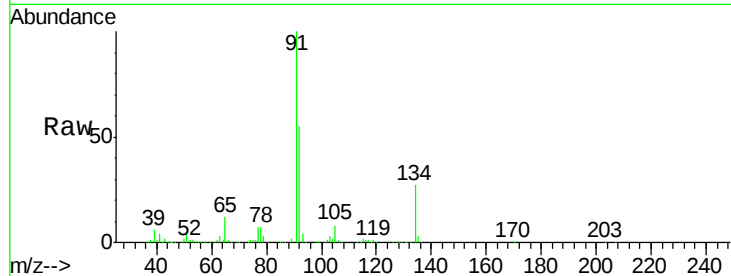
#89
n-Butylbenzene
Concen: 51.707 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	291786		
92	55.1		27.4	82.2
134	26.1		12.6	37.8

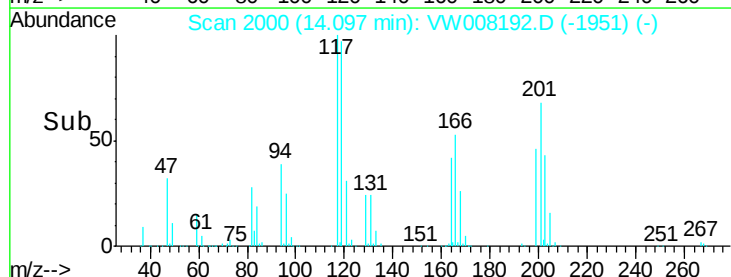
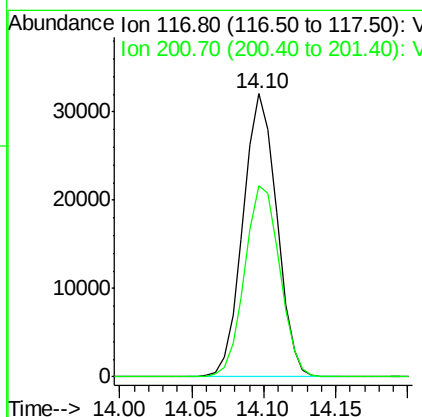
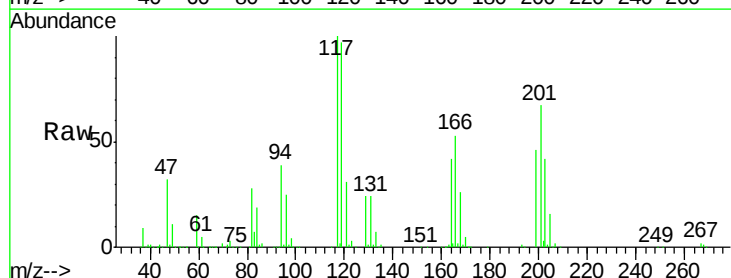
Manual Integrations
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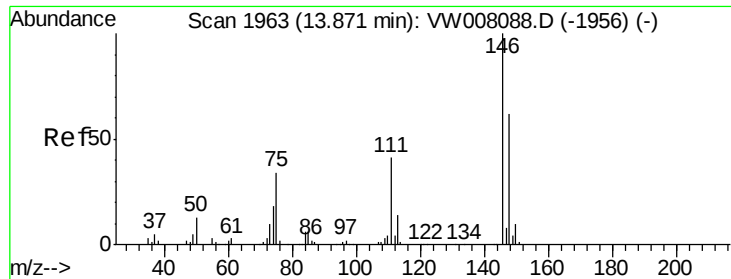
apatel
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#90
Hexachloroethane
Concen: 53.617 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52180		
201	70.0		33.0	98.9





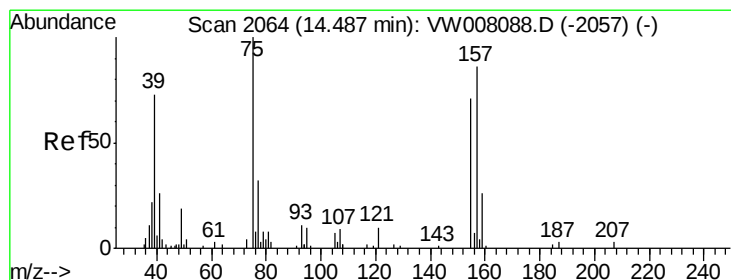
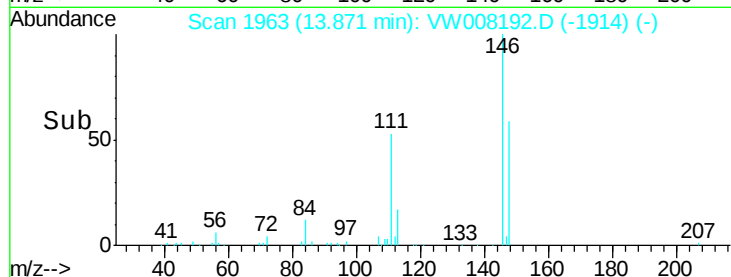
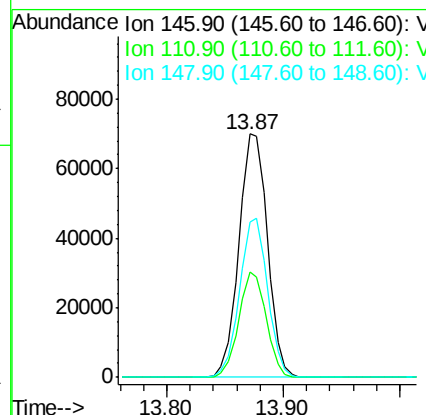
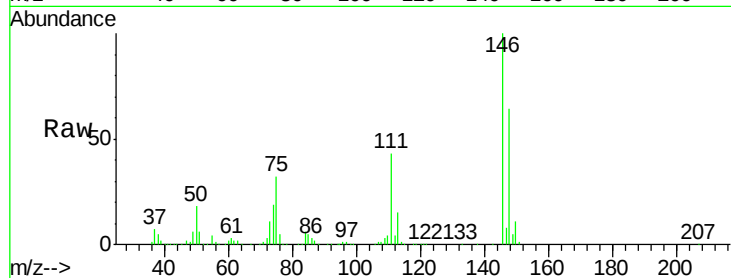
#91
 1,2-Dichlorobenzene
 Concen: 50.864 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.3	63.7
148	63.9	31.5	94.5

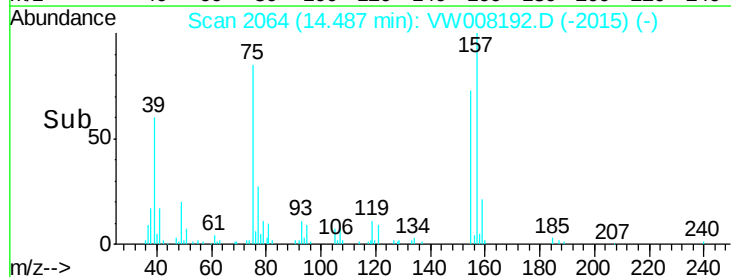
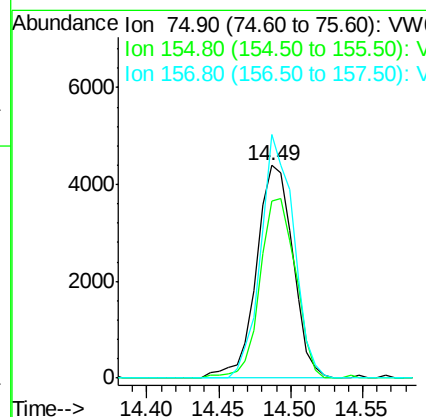
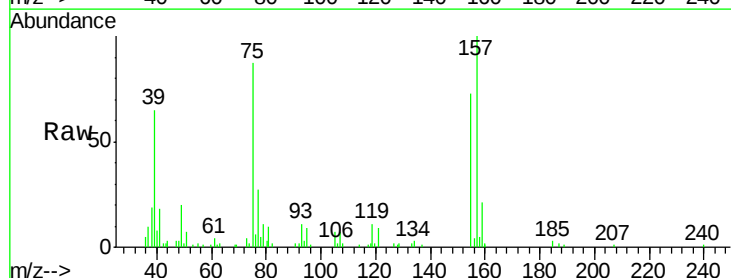
Manual Integrations
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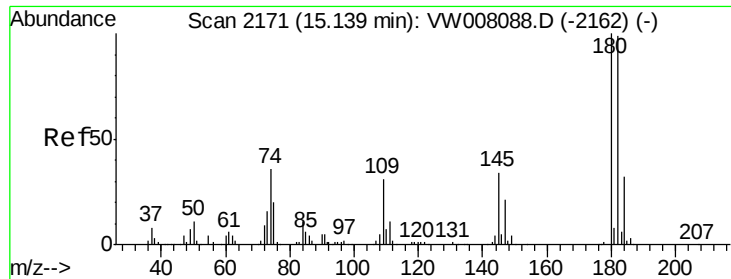
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.543 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	38.6	115.7
157	103.0	47.5	142.6





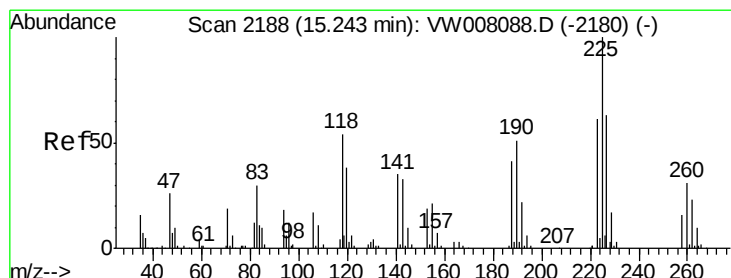
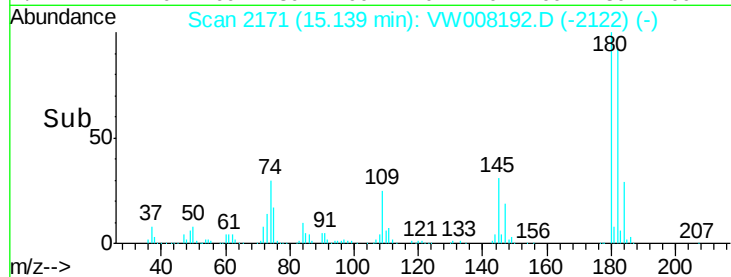
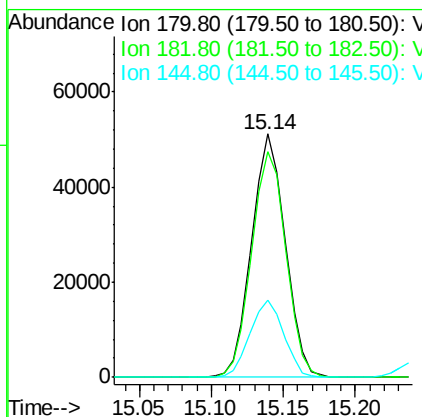
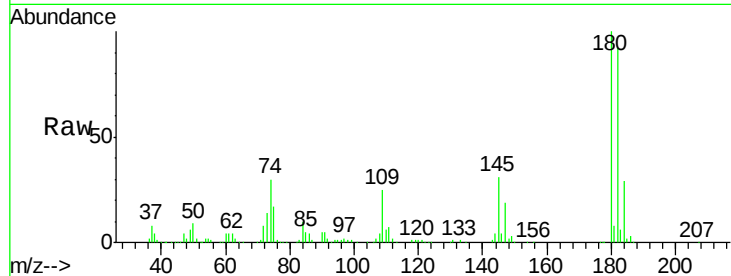
#93
 1,2,4-Trichlorobenzene
 Concen: 52.754 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	48.6	145.9	
145	31.7	16.6	49.7	

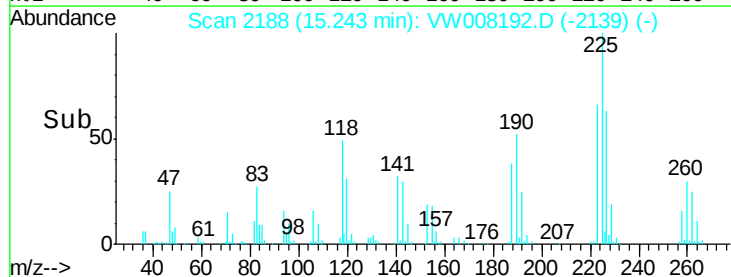
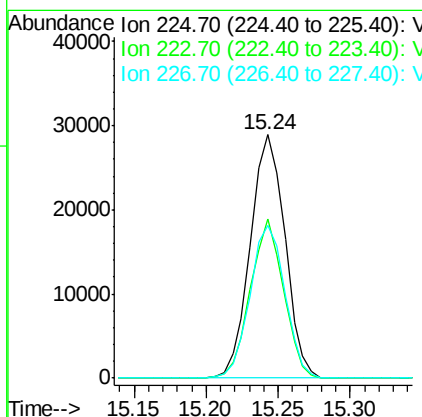
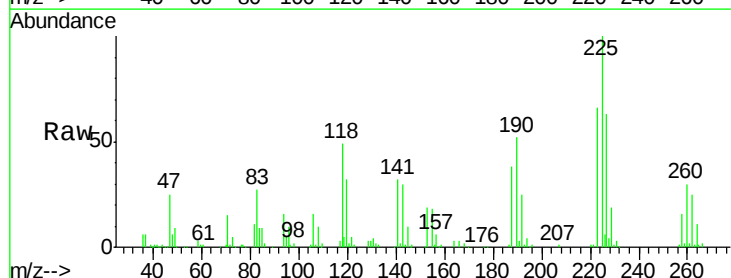
Manual Integrations
 APPROVED

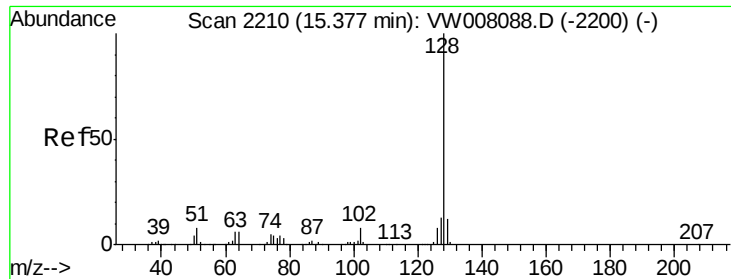
apatel
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#94
 Hexachlorobutadiene
 Concen: 57.393 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008192.D
 Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.4	94.3	
227	63.1	32.0	96.2	





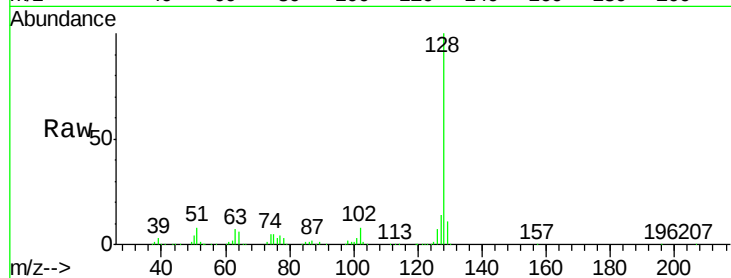
#95
Naphthalene
Concen: 48.630 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	11.0	16.4
129	11.0	9.0	13.6

Manual Integrations
APPROVED

apatel
1/14/2019 2:41:44 PM

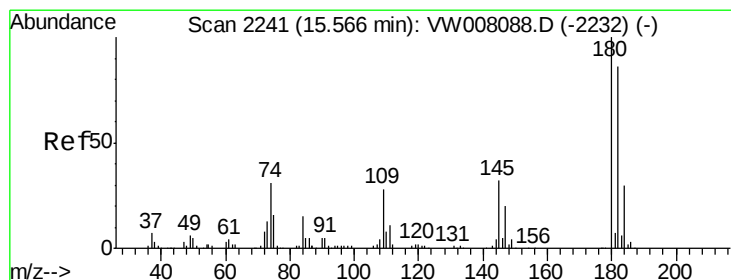
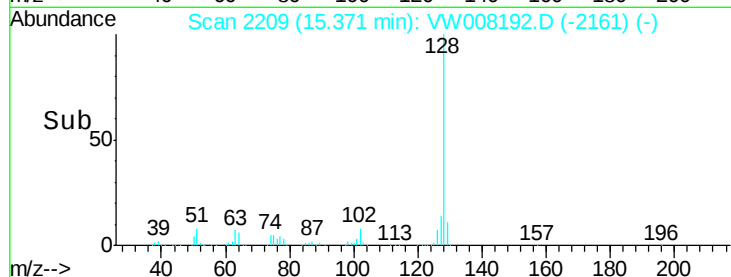
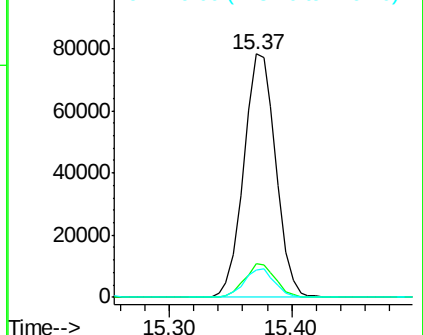


Abundance

Ion 128.00 (127.70 to 128.70): V

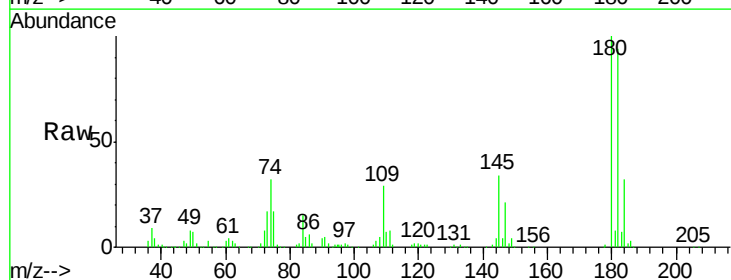
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.800 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008192.D
Acq: 11 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.5	139.3
145	32.3	17.4	52.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

