

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009031.D
 Acq On : 07 Mar 2019 10:55
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:06:59 PM

Quant Time: Mar 08 03:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	290005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	14497	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
35) Dibromofluoromethane	7.89	113	11407	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
50) Toluene-d8	10.32	98	49986	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.62	95	19723	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	14204	4.867	ug/l	96
3) Chloromethane	2.21	50	17837	4.857	ug/l	93
4) Vinyl Chloride	2.35	62	17529	4.649	ug/l	99
5) Bromomethane	2.76	94	17852	5.560	ug/l	95
6) Chloroethane	2.92	64	10728	3.980	ug/l	94
7) Trichlorofluoromethane	3.26	101	22767	4.727	ug/l	88
8) Diethyl Ether	3.68	74	6720	4.626	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14462	4.828	ug/l	97
10) Methyl Iodide	4.28	142	6705	2.356	ug/l	93
11) Tert butyl alcohol	5.20	59	5539m	26.672	ug/l	
12) 1,1-Dichloroethene	4.04	96	12094	4.638	ug/l	97
13) Acrolein	3.90	56	39966	160.756	ug/l	99
14) Allyl chloride	4.67	41	19833	4.386	ug/l	98
15) Acrylonitrile	5.38	53	13738	20.970	ug/l	97
16) Acetone	4.13	43	16022	24.116	ug/l	97
17) Carbon Disulfide	4.38	76	38019	4.351	ug/l	100
18) Methyl Acetate	4.68	43	7103	4.652	ug/l #	79
19) Methyl tert-butyl Ether	5.43	73	29519	4.294	ug/l	99
20) Methylene Chloride	4.92	84	26570	7.026	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	13165	4.371	ug/l	87
22) Diisopropyl ether	6.31	45	38734	4.254	ug/l #	96
23) Vinyl Acetate	6.26	43	109299	19.257	ug/l	97
24) 1,1-Dichloroethane	6.22	63	23886	4.523	ug/l	98
25) 2-Butanone	7.18	43	19613	21.748	ug/l	98
26) 2,2-Dichloropropane	7.16	77	23488	4.868	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	13560	4.227	ug/l	92
28) Bromochloromethane	7.51	49	11010	5.038	ug/l	97
29) Tetrahydrofuran	7.53	42	10970	18.973	ug/l	97
30) Chloroform	7.67	83	23706	4.393	ug/l	92
31) Cyclohexane	7.95	56	28303	5.268	ug/l #	82
32) 1,1,1-Trichloroethane	7.87	97	24273	4.885	ug/l	95
36) 1,1-Dichloropropene	8.09	75	20351	4.719	ug/l	97
37) Ethyl Acetate	7.26	43	7893	3.896	ug/l #	94
38) Carbon Tetrachloride	8.07	117	21008	4.701	ug/l #	92

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 ALS Vial : 3 Sample Multiplier: 1

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22226	4.303	ug/l	94
40) Benzene	8.32	78	52813	4.606	ug/l	96
41) Methacrylonitrile	7.49	41	5360	5.020	ug/l #	80
42) 1,2-Dichloroethane	8.40	62	16073	4.302	ug/l	86
43) Isopropyl Acetate	8.43	43	15456	4.078	ug/l #	59
44) Trichloroethene	9.09	130	14828	4.600	ug/l	89
45) 1,2-Dichloropropane	9.37	63	13160	4.614	ug/l	93
46) Dibromomethane	9.46	93	7805	4.927	ug/l	96
47) Bromodichloromethane	9.65	83	17434	4.366	ug/l	94
48) Methyl methacrylate	9.43	41	7725	4.323	ug/l	94
49) 1,4-Dioxane	9.46	88	2001	86.034	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	39275	20.334	ug/l	97
52) Toluene	10.38	92	33627	4.300	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	15819	3.984	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	19320	4.264	ug/l #	93
55) 1,1,2-Trichloroethane	10.79	97	10825	5.042	ug/l	92
56) Ethyl methacrylate	10.65	69	10105	3.754	ug/l	97
57) 1,3-Dichloropropane	10.93	76	16467	4.321	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.93	63	29344	20.979	ug/l	98
59) 2-Hexanone	10.97	43	25725	18.865	ug/l	99
60) Dibromochloromethane	11.13	129	11079	4.200	ug/l	96
61) 1,2-Dibromoethane	11.24	107	9005	4.316	ug/l	98
64) Tetrachloroethene	10.86	164	13072	4.389	ug/l	94
65) Chlorobenzene	11.66	112	39581	4.478	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	12458	4.228	ug/l	95
67) Ethyl Benzene	11.73	91	67844	4.272	ug/l	96
68) m/p-Xylenes	11.84	106	52470	8.360	ug/l	99
69) o-Xylene	12.17	106	24424	4.174	ug/l	95
70) Styrene	12.18	104	36364	3.818	ug/l	98
71) Bromoform	12.35	173	6370	3.987	ug/l #	96
73) Isopropylbenzene	12.47	105	64367	4.180	ug/l	97
74) N-amyl acetate	12.27	43	15086	4.099	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	11065	4.518	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	7795m	3.231	ug/l	
77) Bromobenzene	12.74	156	15958	4.532	ug/l	95
78) n-propylbenzene	12.80	91	80640	4.266	ug/l	98
79) 2-Chlorotoluene	12.90	91	46784	4.405	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	54499	4.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	2796	3.681	ug/l	88
82) 4-Chlorotoluene	12.99	91	48317	4.269	ug/l	98
83) tert-Butylbenzene	13.21	119	46218	4.146	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	53986	4.030	ug/l	99
85) sec-Butylbenzene	13.38	105	70148	4.247	ug/l	99
86) p-Isopropyltoluene	13.50	119	59936	4.048	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	32258	4.369	ug/l	94
88) 1,4-Dichlorobenzene	13.58	146	34306	4.704	ug/l	91
89) n-Butylbenzene	13.83	91	57355	4.064	ug/l	99
90) Hexachloroethane	14.09	117	10485	4.111	ug/l	87
91) 1,2-Dichlorobenzene	13.87	146	29522	4.565	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1996	4.390	ug/l	95

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 03:11:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	18353	4.150	ug/l	97
94) Hexachlorobutadiene	15.24	225	12570	4.548	ug/l	97
95) Naphthalene	15.37	128	24277	3.314	ug/l	96
96) 1,2,3-Trichlorobenzene	15.56	180	15303	3.941	ug/l	97

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

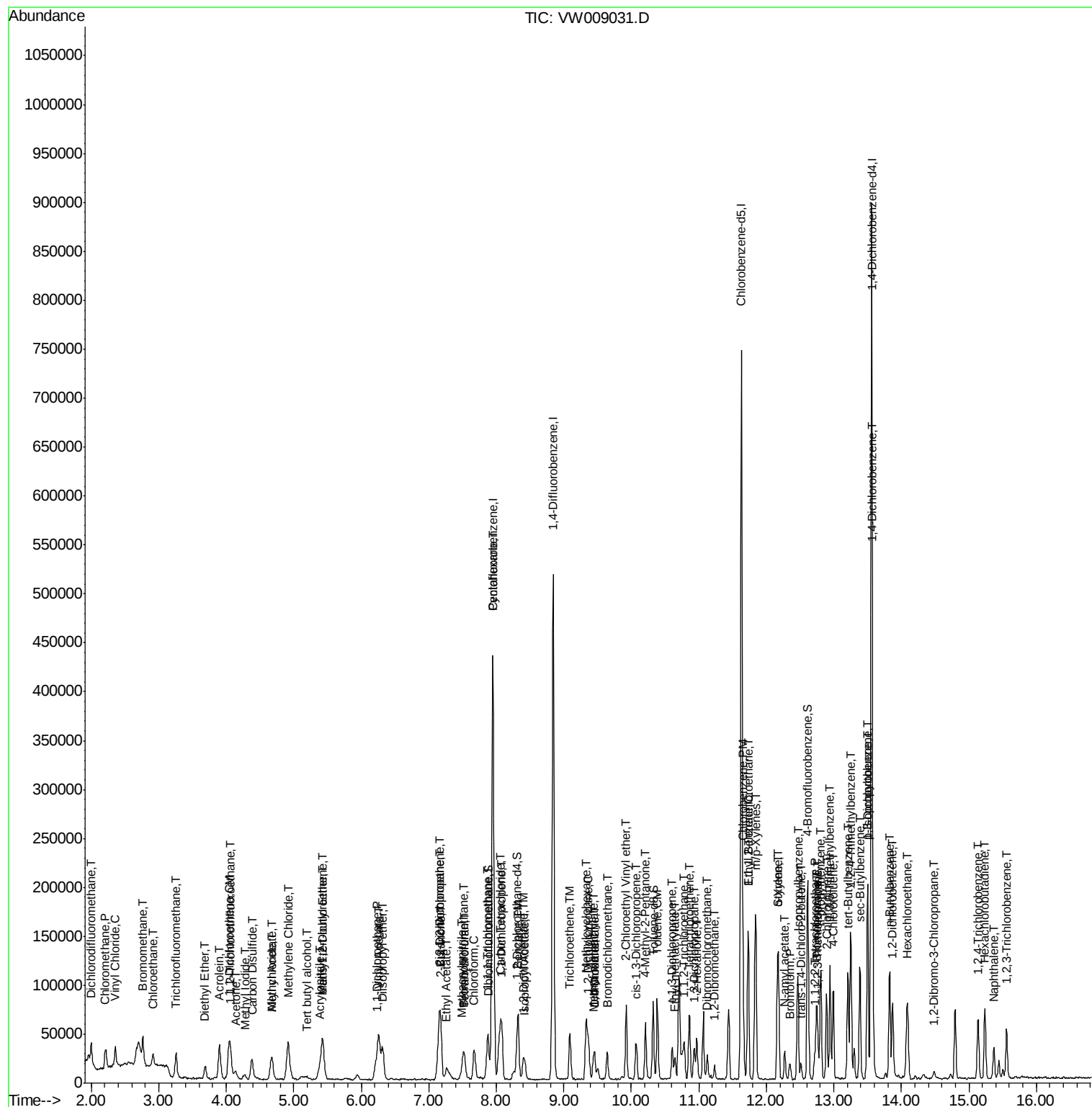
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009031.D
 Acq On : 07 Mar 2019 10:55
 Operator : SY/VA
 Sample : VSTDICC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

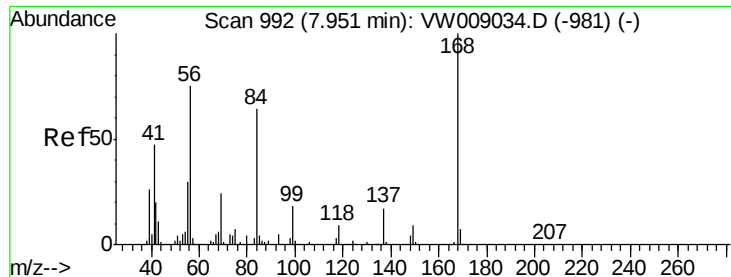
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICC005

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 290005

Ion Ratio Lower Upper

168 100

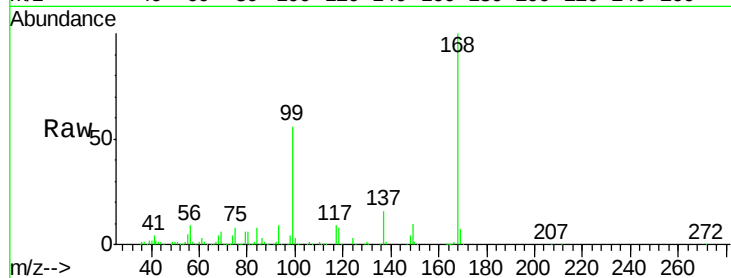
99 56.1 42.2 63.2

Manual Integrations

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3/8/2019 12:06:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

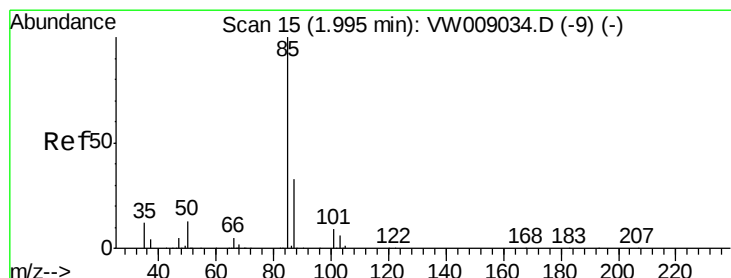
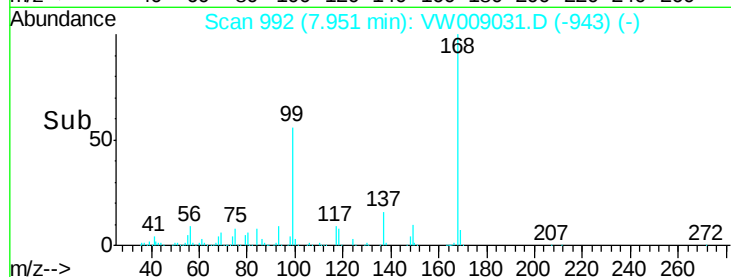
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 4.867 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009031.D

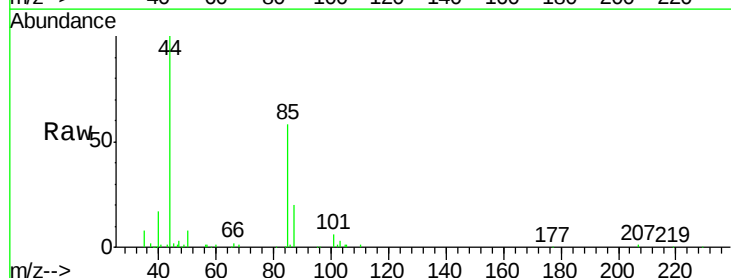
Acq: 07 Mar 2019 10:55

Tgt Ion: 85 Resp: 14204

Ion Ratio Lower Upper

85 100

87 34.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

6000

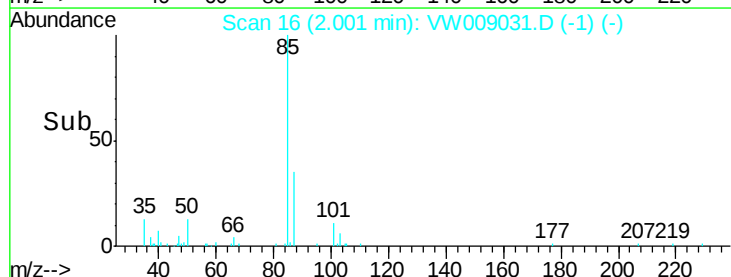
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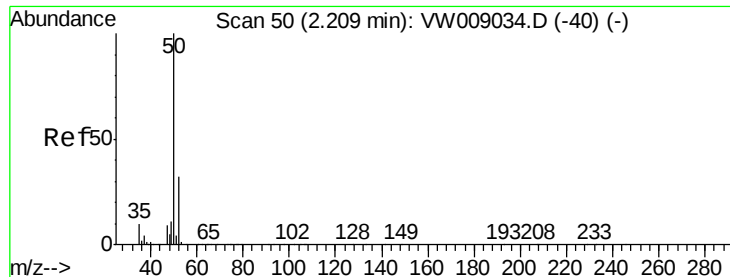
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 4.857 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 17837

Ion Ratio Lower Upper

50 100

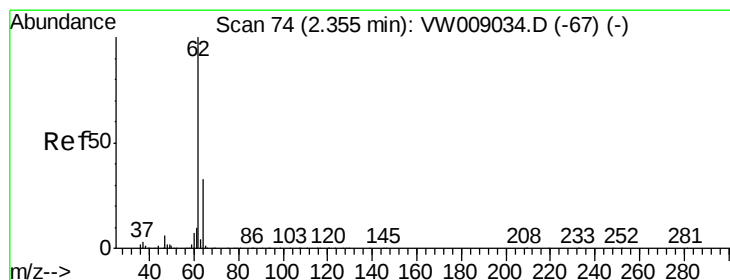
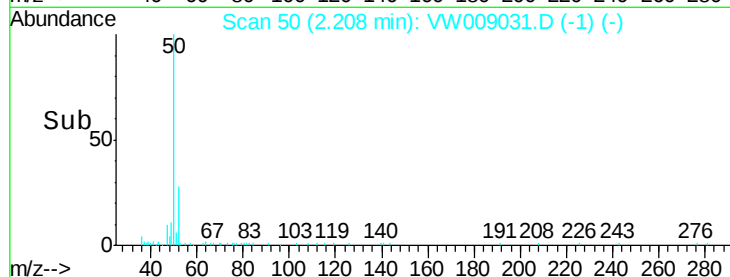
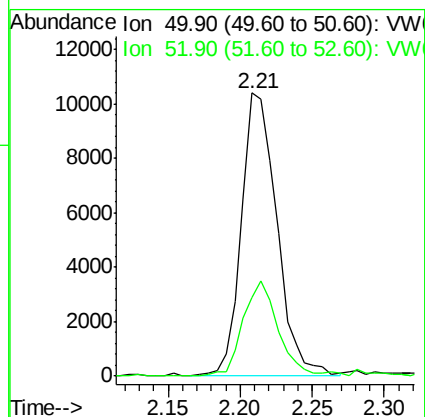
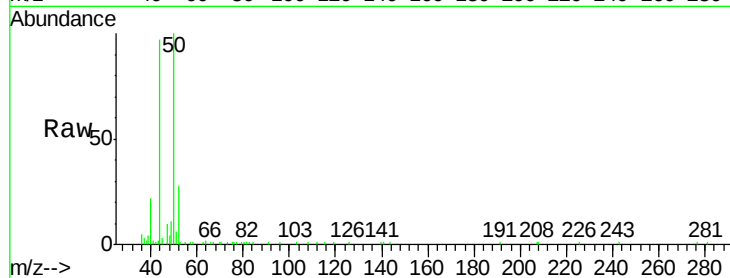
52 27.8 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.649 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009031.D

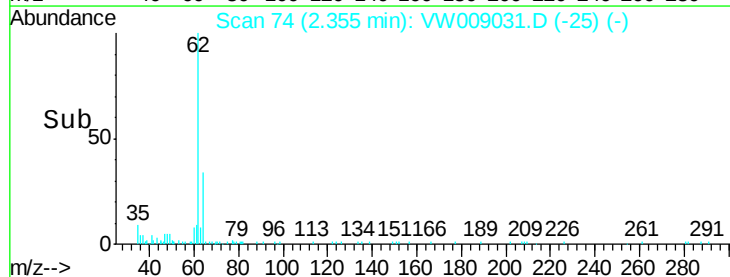
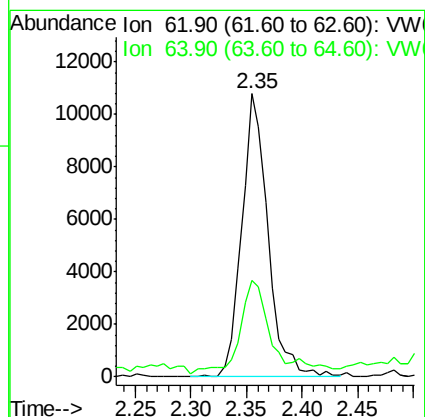
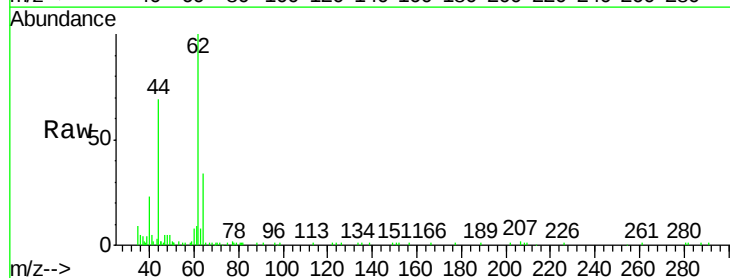
Acq: 07 Mar 2019 10:55

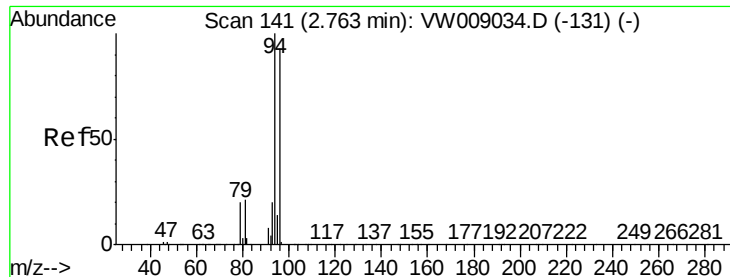
Tgt Ion: 62 Resp: 17529

Ion Ratio Lower Upper

62 100

64 33.1 26.0 39.0





#5

Bromomethane

Concen: 5.560 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 17852

Ion Ratio Lower Upper

94 100

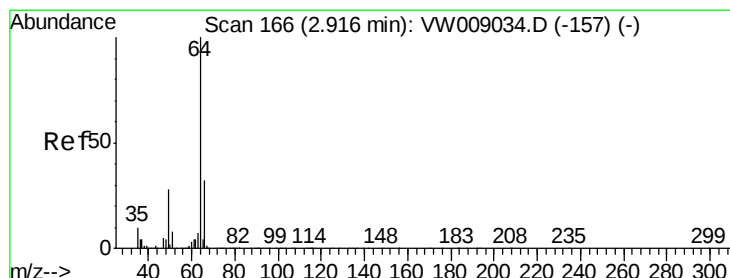
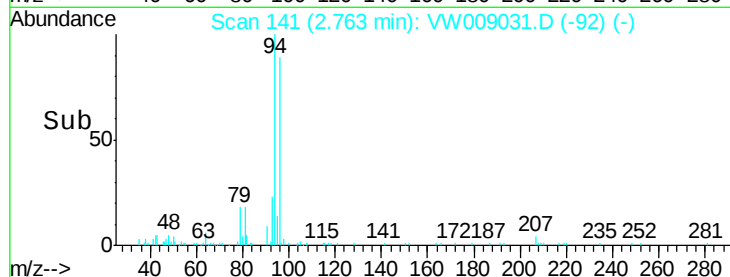
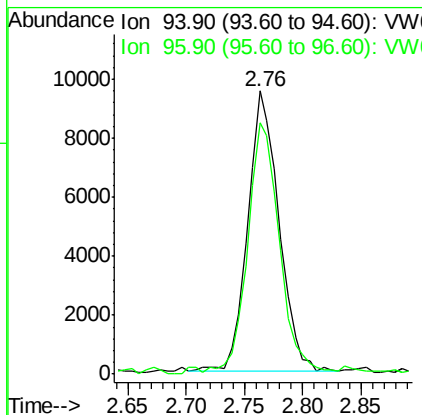
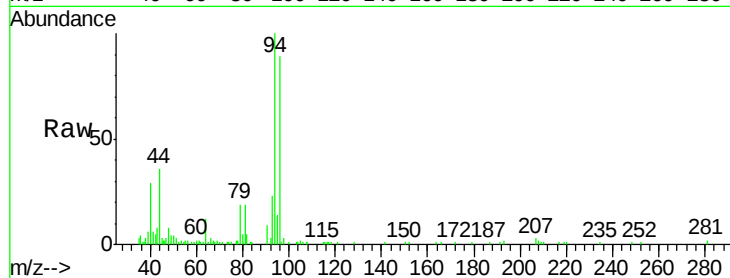
96 88.6 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 3.980 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW009031.D

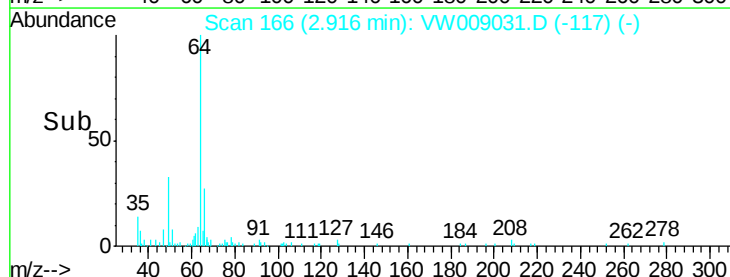
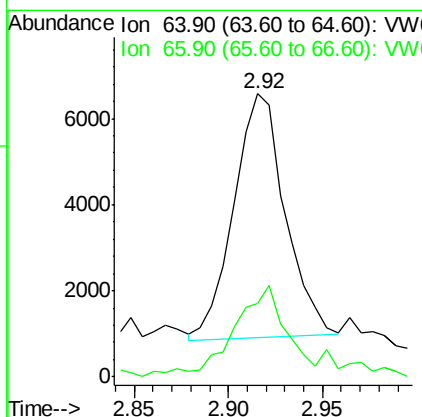
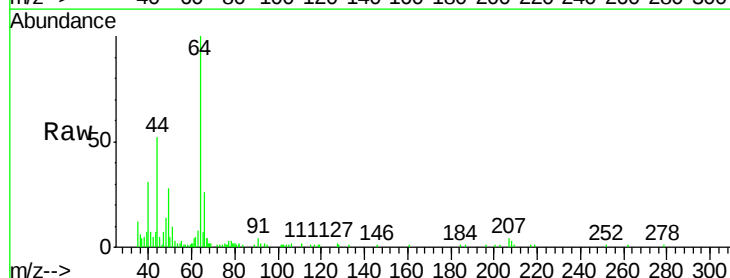
Acq: 07 Mar 2019 10:55

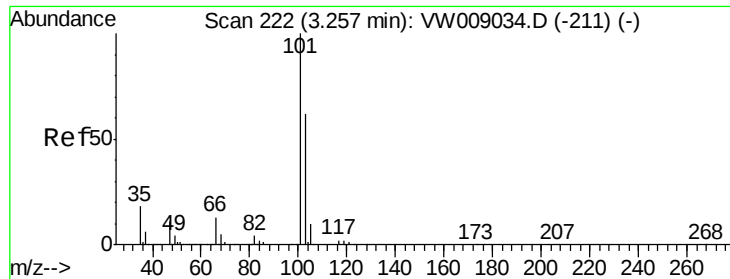
Tgt Ion: 64 Resp: 10728

Ion Ratio Lower Upper

64 100

66 28.5 25.5 38.3





#7

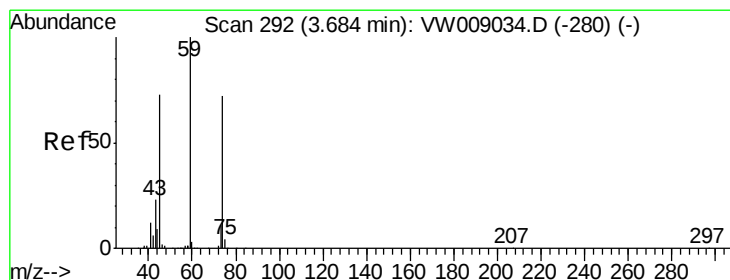
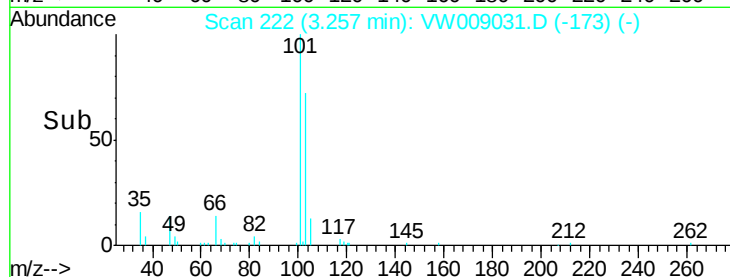
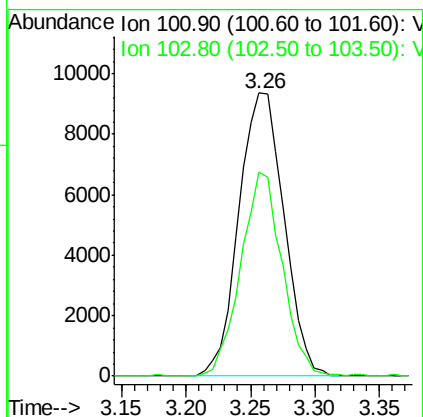
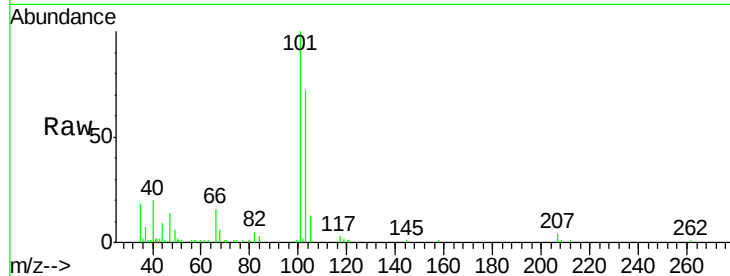
Trichlorofluoromethane
Concen: 4.727 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	71.9	49.9	74.9

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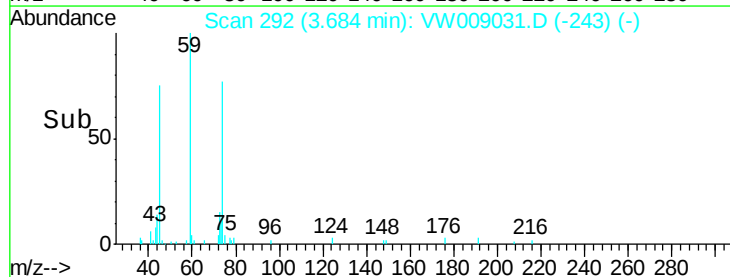
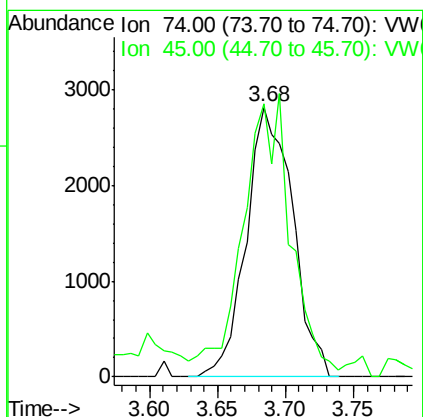
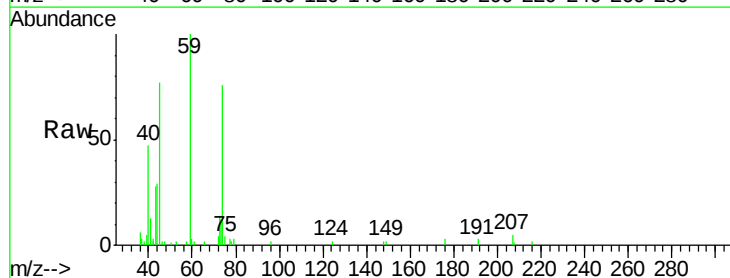
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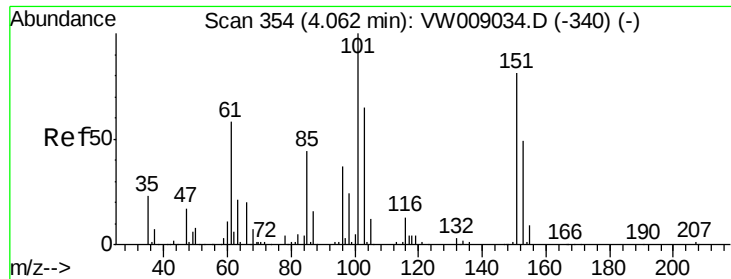


#8

Diethyl Ether
Concen: 4.626 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.828 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

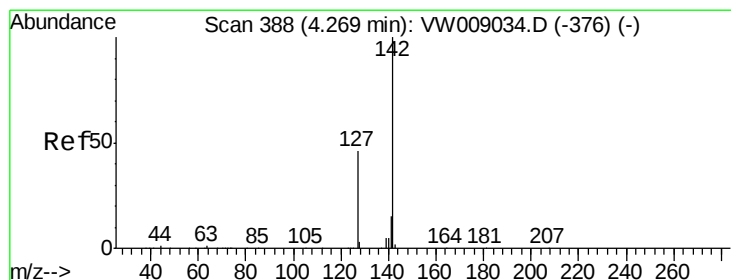
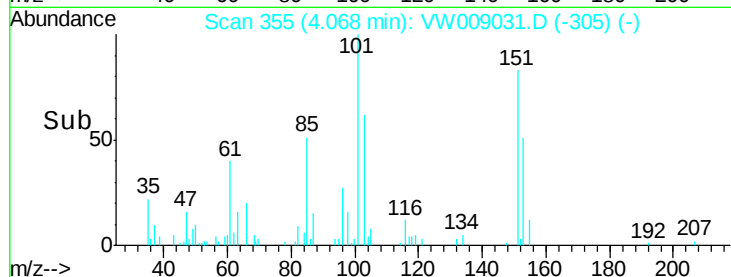
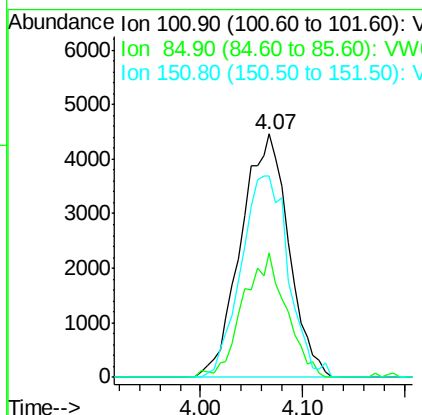
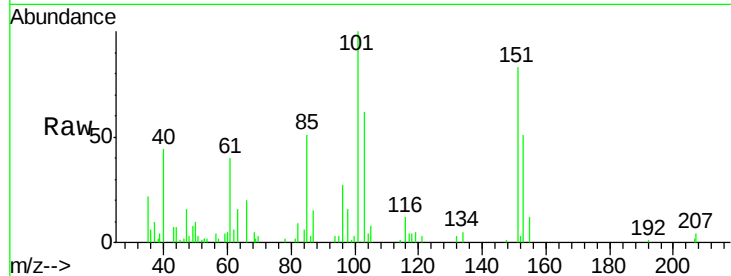
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14462
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.2	54.4
151	82.4	63.4	95.2

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#10

Methyl Iodide

Concen: 2.356 ug/l

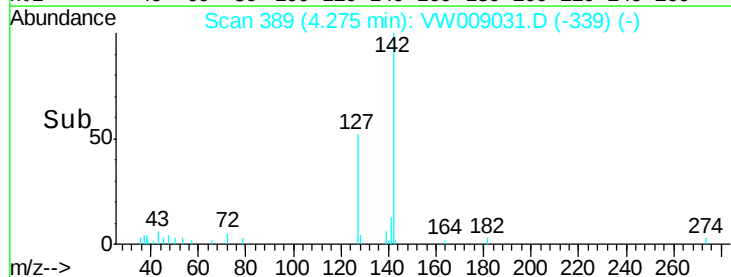
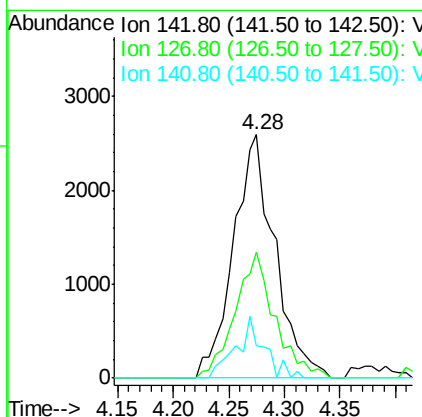
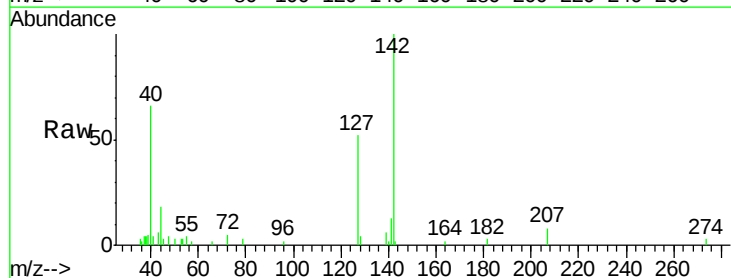
RT: 4.28 min Scan# 389

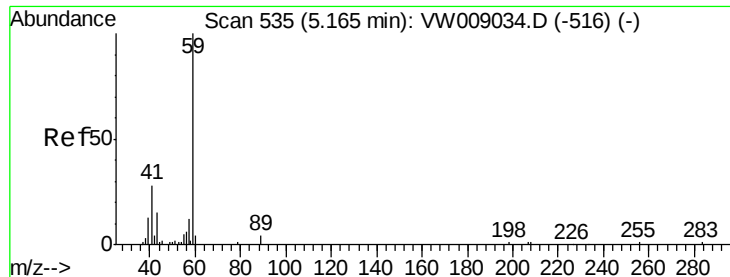
Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion:	142	Resp:	6705
Ion Ratio	Lower	Upper	
142	100		
127	49.5	35.8	53.6
141	17.0	11.8	17.8





#11

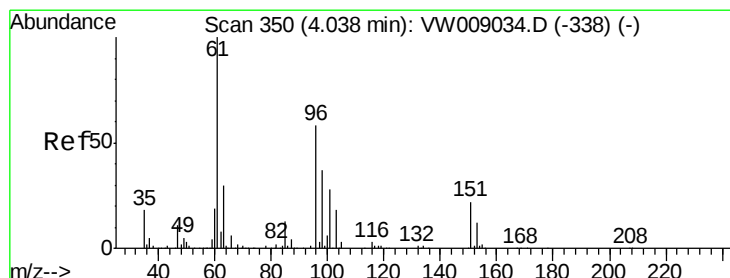
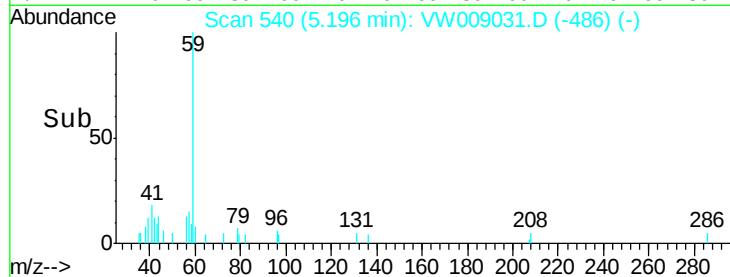
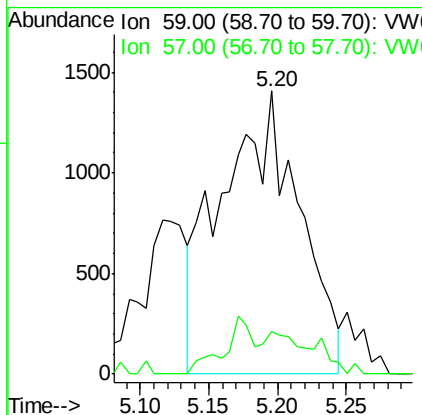
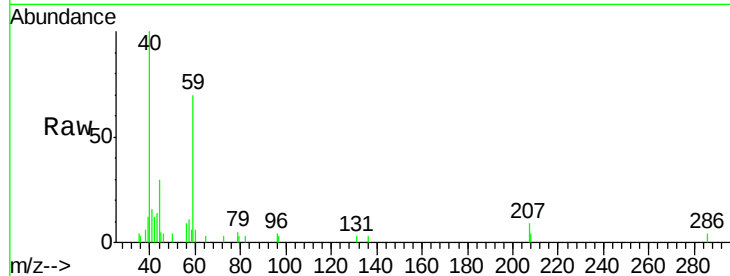
Tert butyl alcohol
 Concen: 26.672 ug/l m
 RT: 5.20 min Scan# 540
 Delta R.T. 0.03 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.6	12.8#

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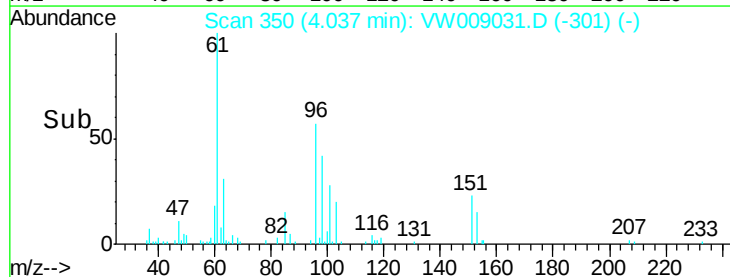
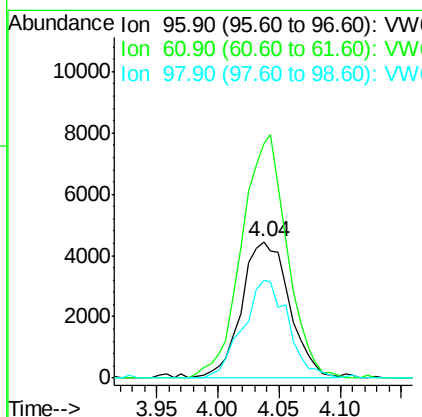
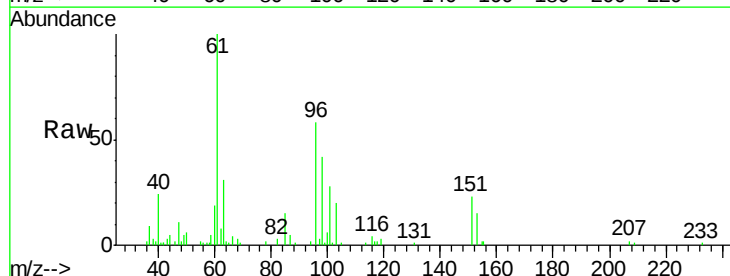
MMDadoda
 3/8/2019 12:06:59 PM

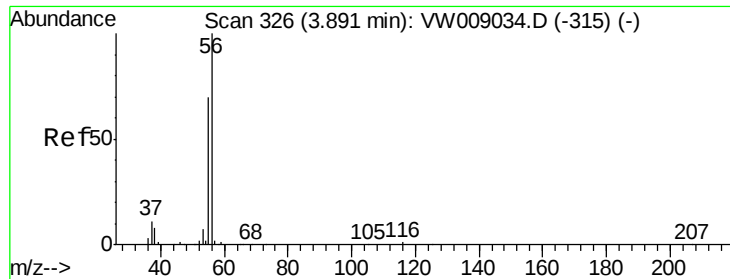


#12

1,1-Dichloroethene
 Concen: 4.638 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	138.2	207.2
98	71.6	51.3	76.9





#13

Acrolein

Concen: 160.756 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 39966

Ion Ratio Lower Upper

56 100

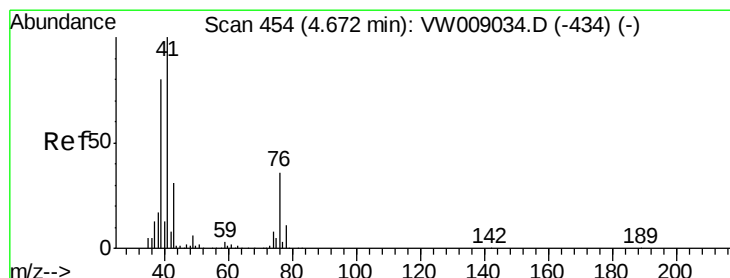
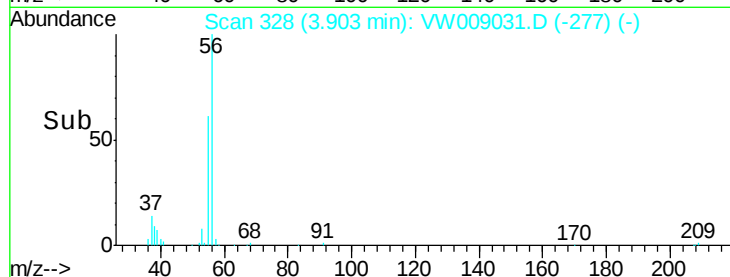
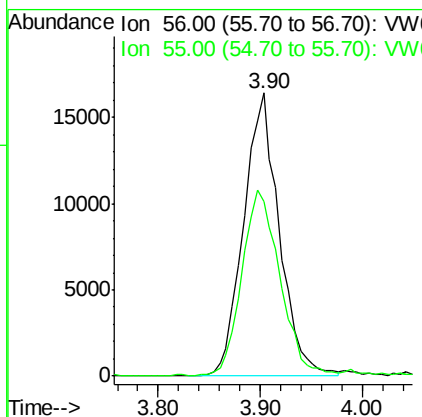
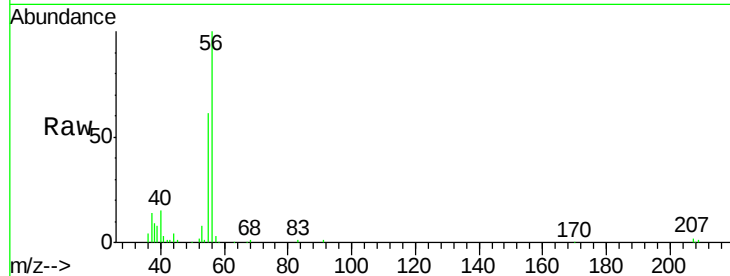
55 70.2 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 4.386 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

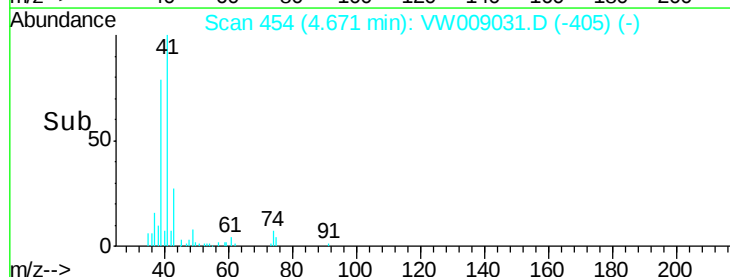
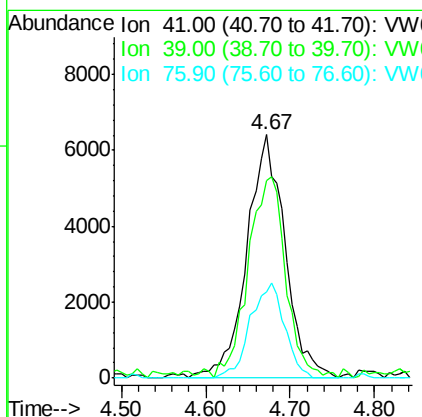
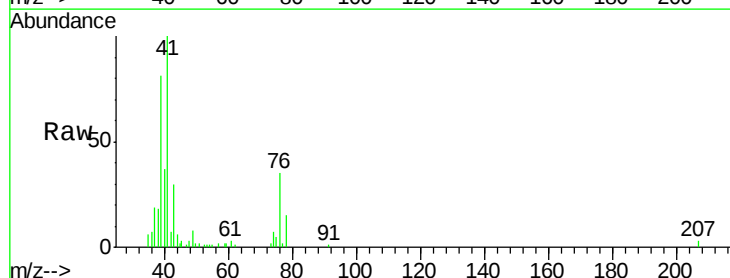
Tgt Ion: 41 Resp: 19833

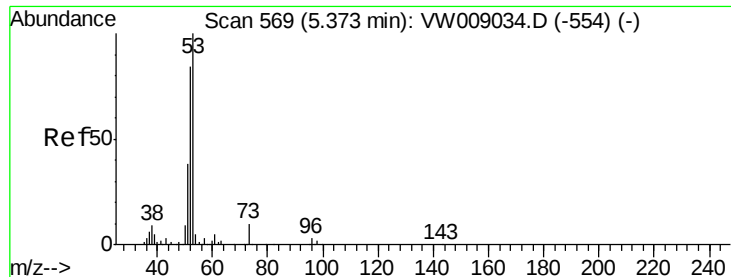
Ion Ratio Lower Upper

41 100

39 81.3 63.0 94.4

76 34.9 28.2 42.2





#15

Acrylonitrile

Concen: 20.970 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

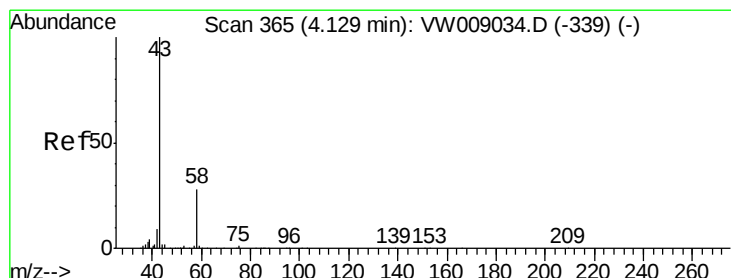
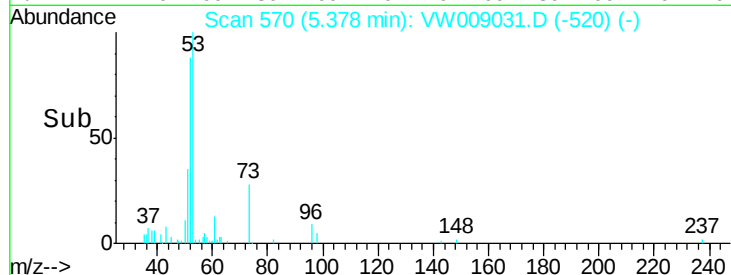
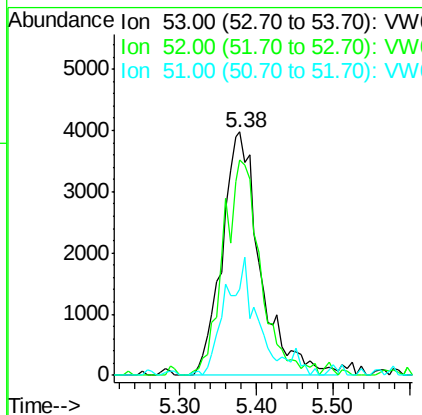
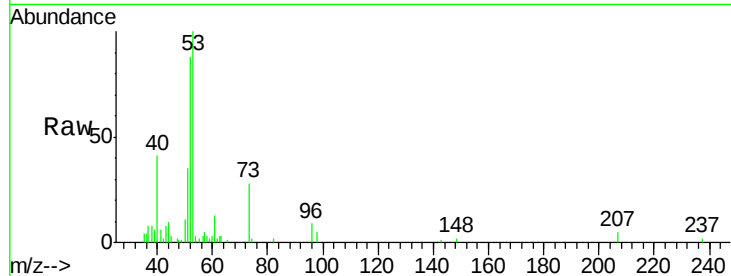
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	13738
Ion	Ratio	Lower	Upper
53	100		
52	86.3	67.2	100.8
51	37.9	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 24.116 ug/l

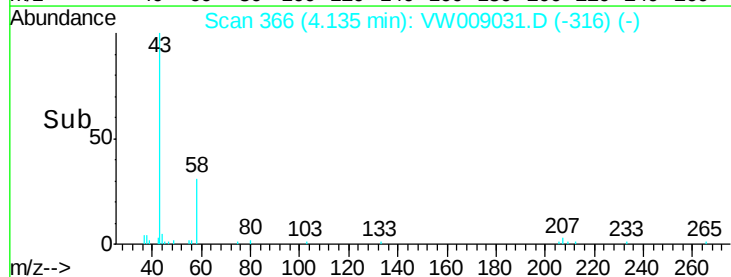
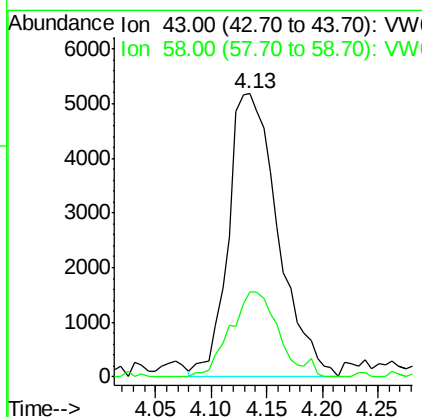
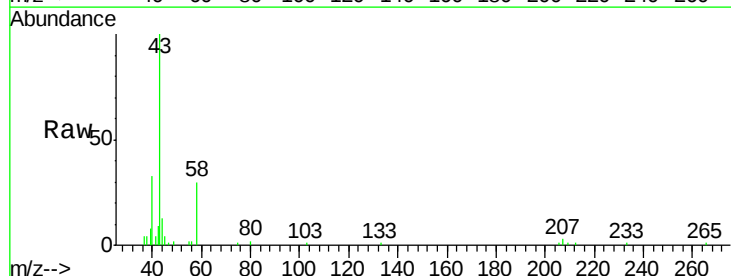
RT: 4.13 min Scan# 366

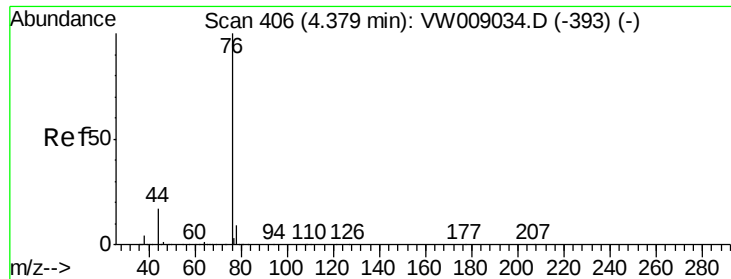
Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion:	43	Resp:	16022
Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.5	33.7





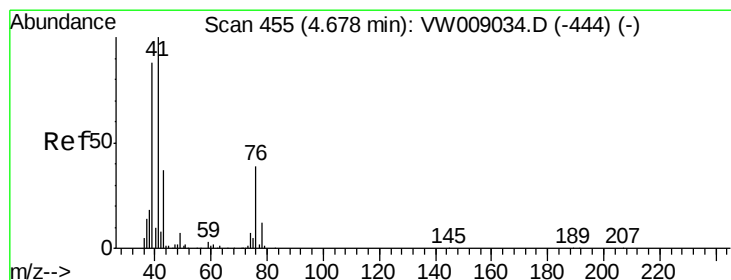
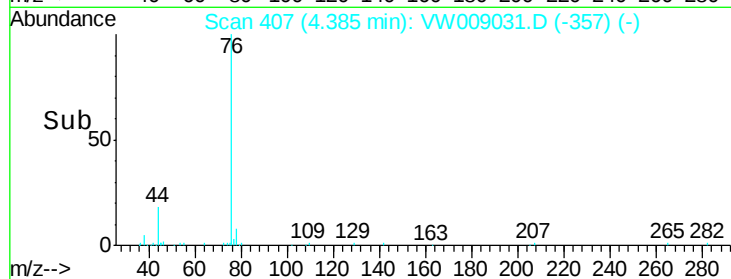
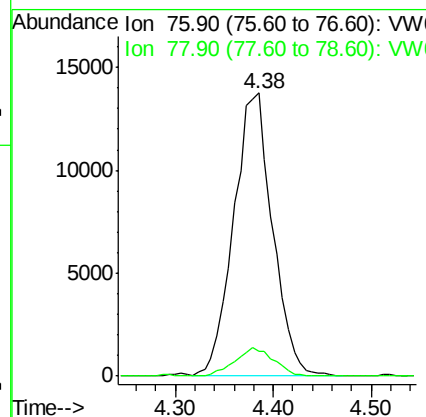
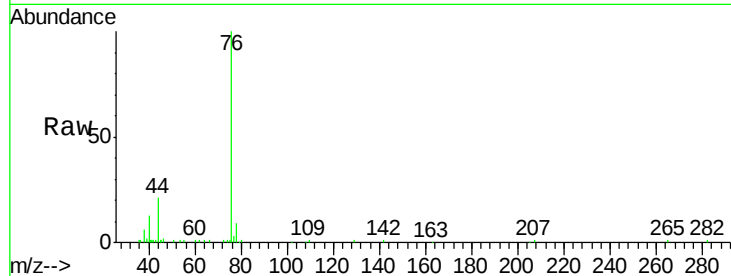
#17
Carbon Disulfide
Concen: 4.351 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

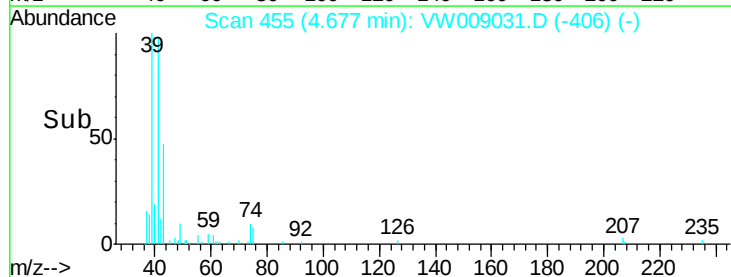
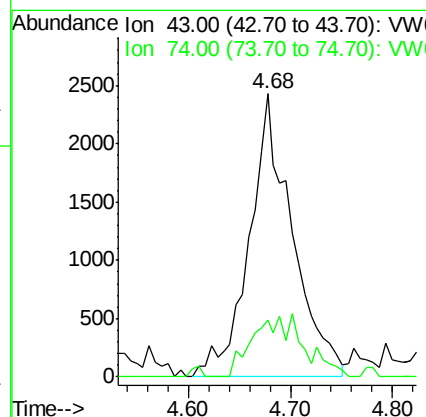
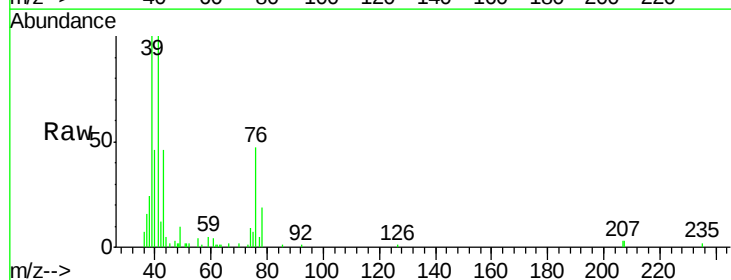
Manual Integrations
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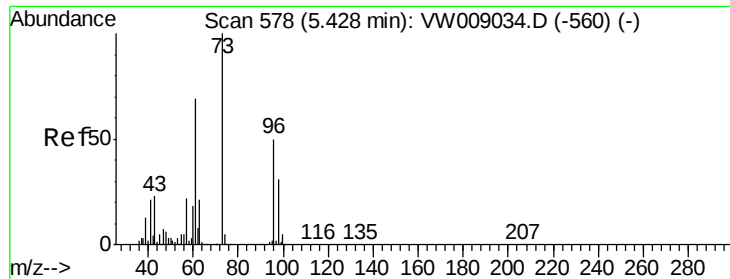
MMDadoda
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#18
Methyl Acetate
Concen: 4.652 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.0	17.6	26.4#





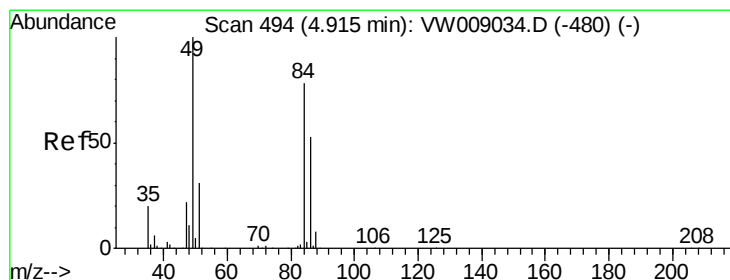
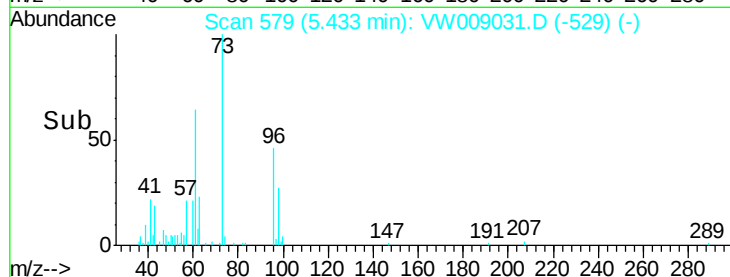
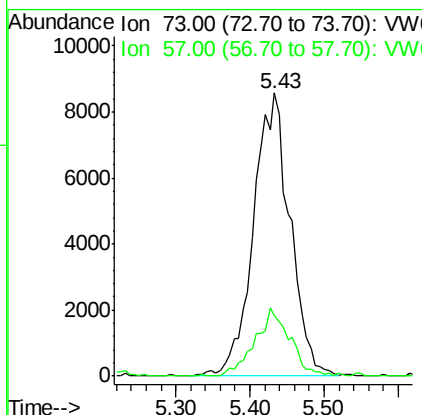
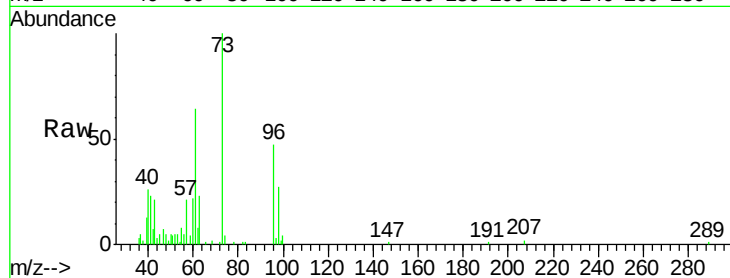
#19
Methvl tert-butvl Ether
Concen: 4.294 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.3	25.9

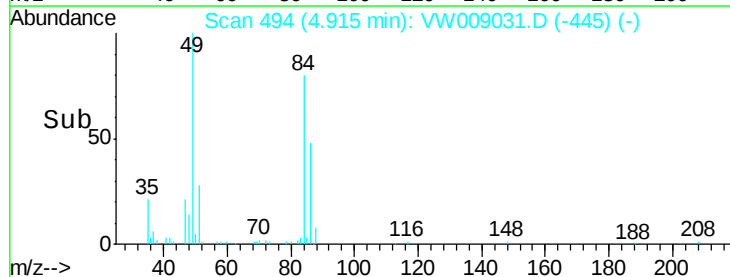
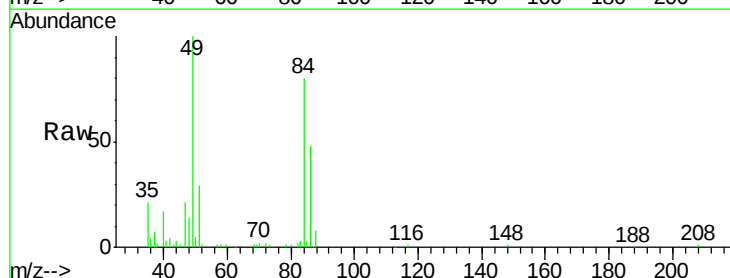
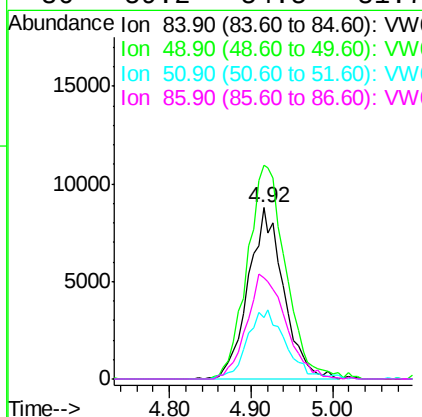
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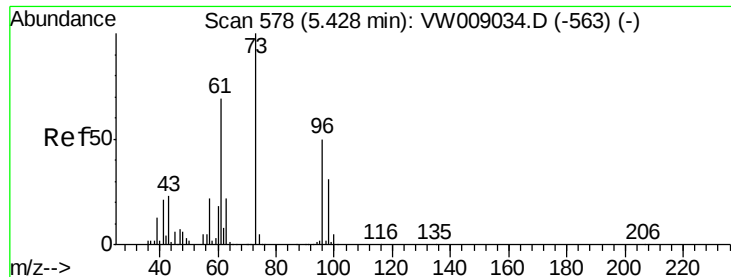
MMDadoda
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#20
Methylene Chloride
Concen: 7.026 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.6	102.4	153.6
51	36.0	31.6	47.4
86	59.2	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 4.371 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

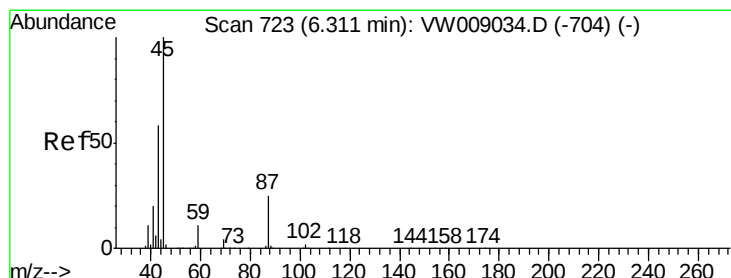
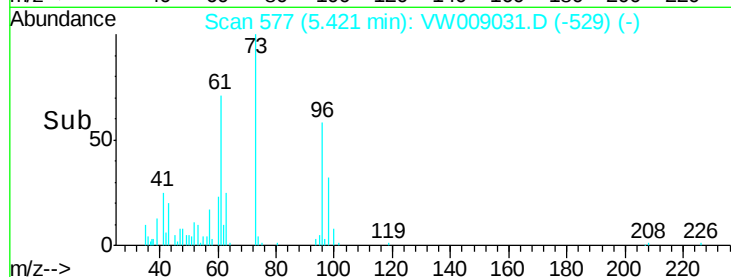
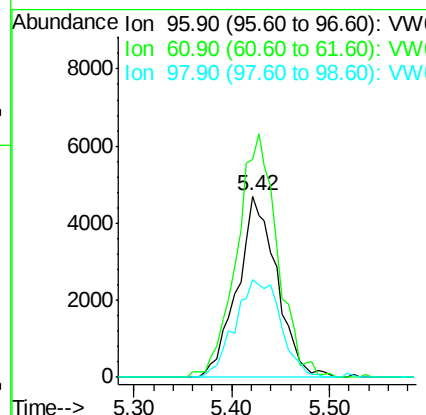
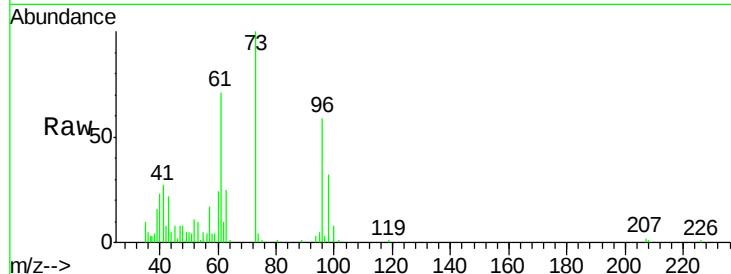
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	13165
Ion	Ratio	Lower	Upper
96	100		
61	120.7	111.0	166.6
98	54.1	49.4	74.0

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#22

Diisopropyl ether

Concen: 4.254 ug/l

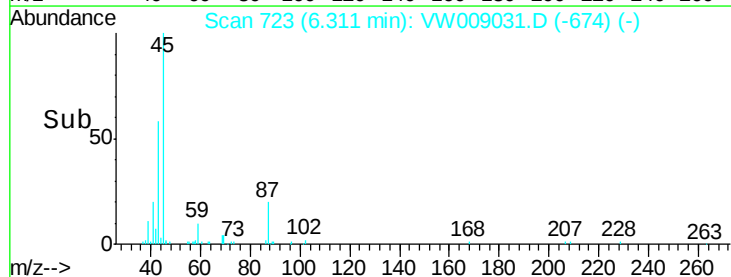
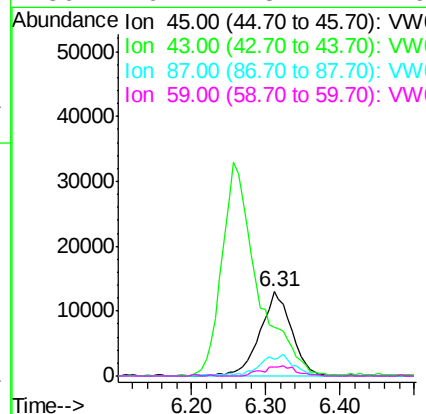
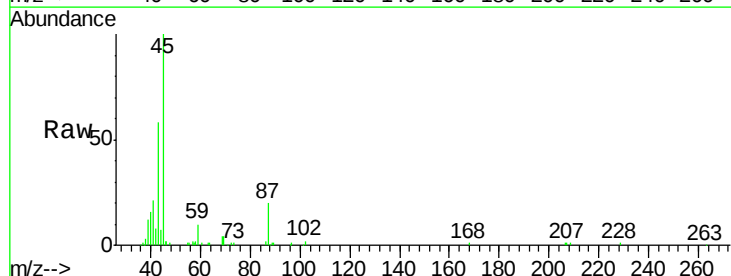
RT: 6.31 min Scan# 723

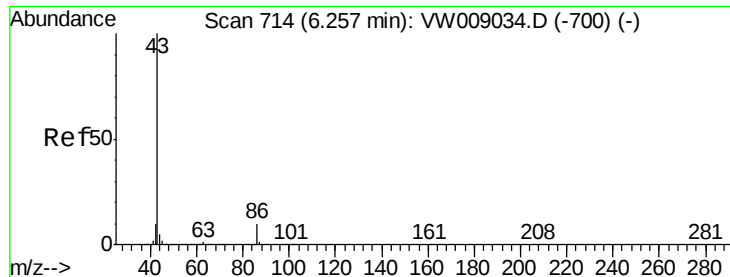
Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion:	45	Resp:	38734
Ion	Ratio	Lower	Upper
45	100		
43	56.9	46.2	69.4
87	19.7	20.1	30.1#
59	10.4	8.4	12.6





#23

Vinyl Acetate

Concen: 19.257 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 109299

Ion Ratio Lower Upper

43 100

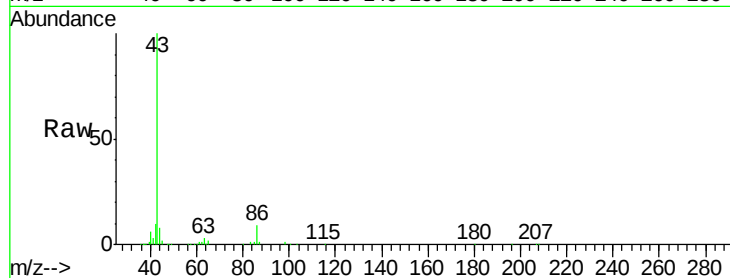
86 8.5 7.6 11.4

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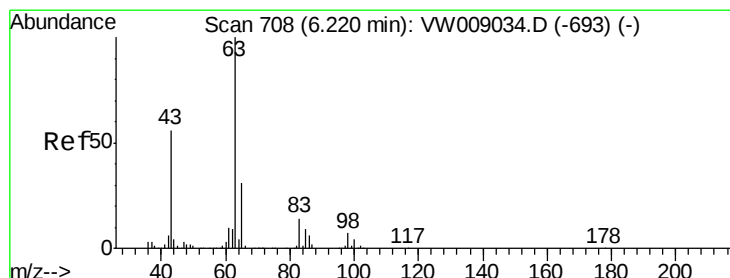
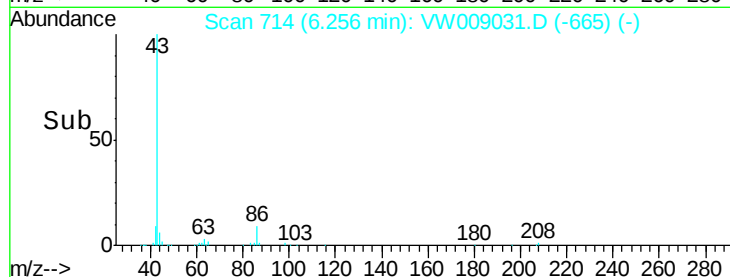
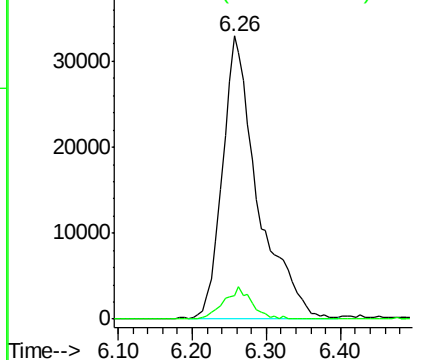
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 4.523 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

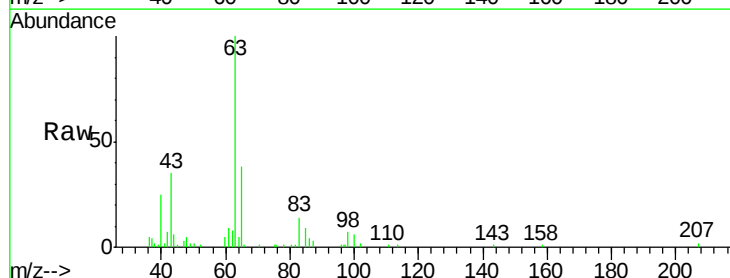
Tgt Ion: 63 Resp: 23886

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

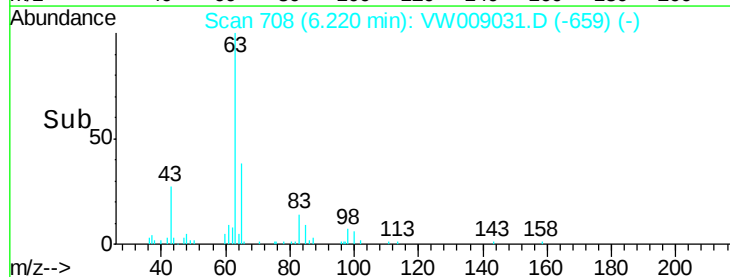
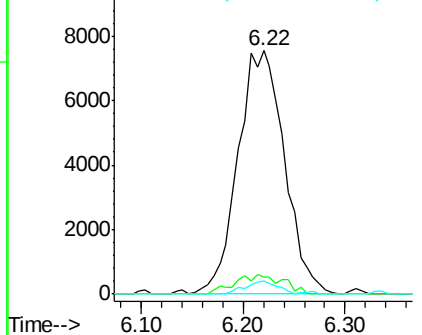
100 5.7 2.1 6.2

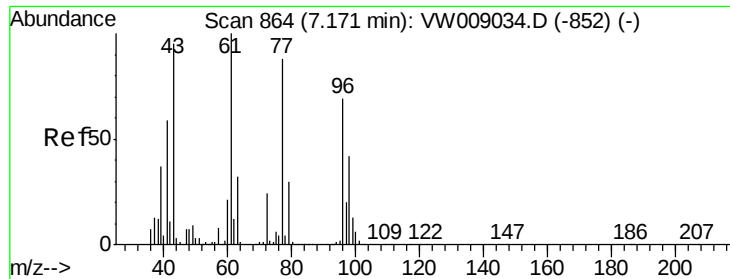


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 21.748 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 19613

Ion Ratio Lower Upper

43 100

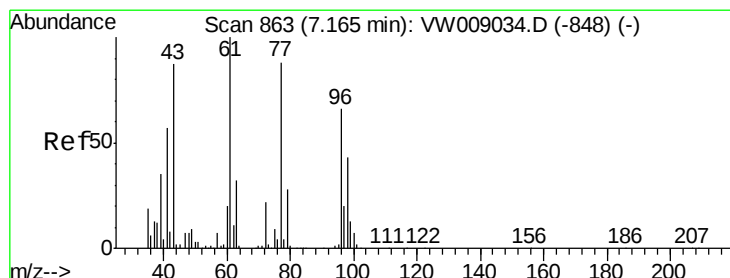
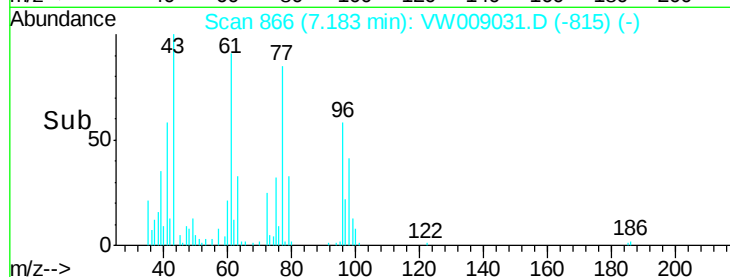
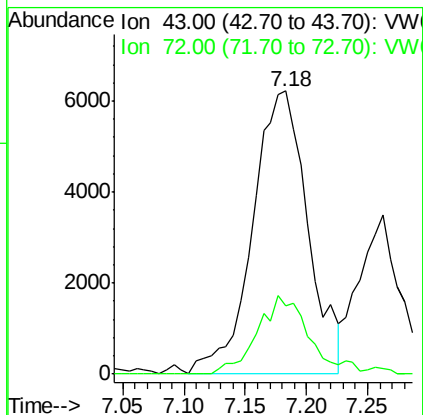
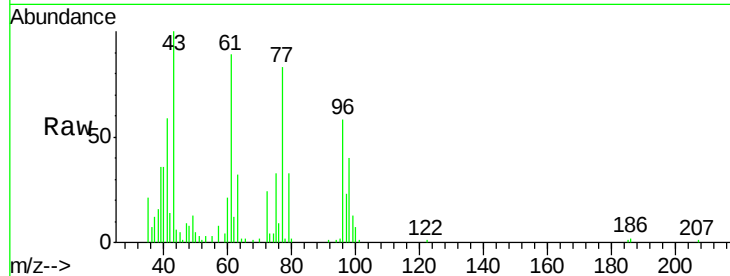
72 24.1 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.868 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009031.D

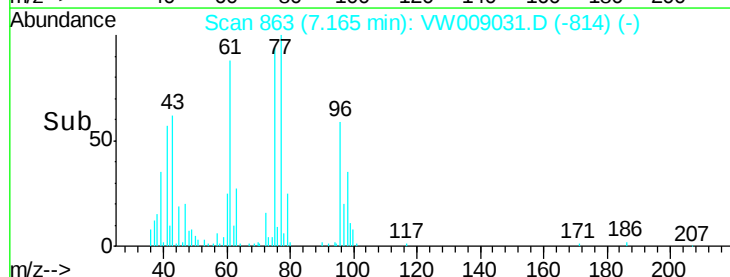
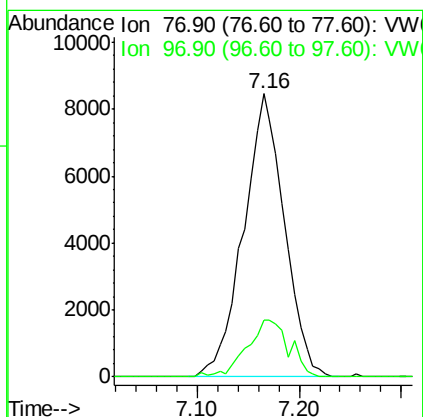
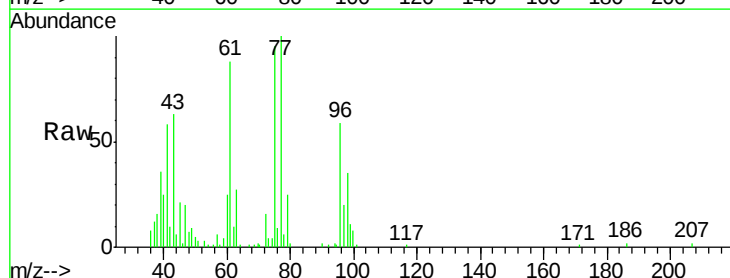
Acq: 07 Mar 2019 10:55

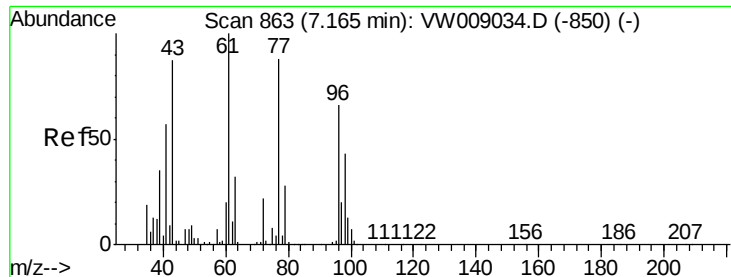
Tgt Ion: 77 Resp: 23488

Ion Ratio Lower Upper

77 100

97 20.8 10.9 32.9





#27

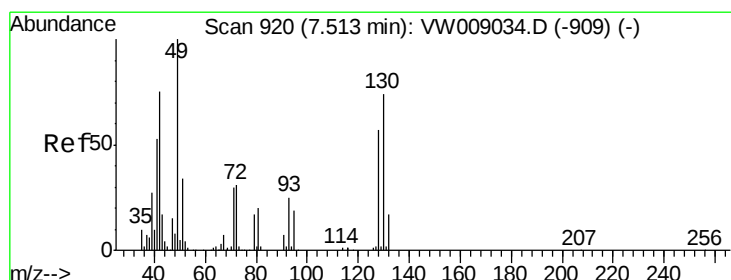
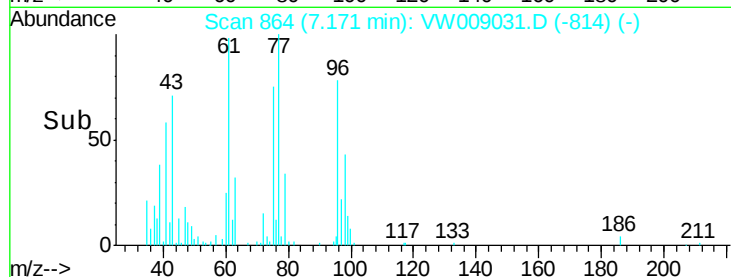
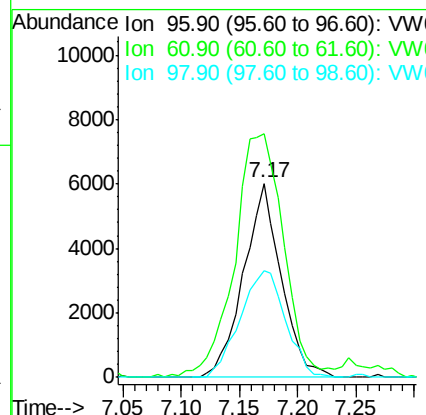
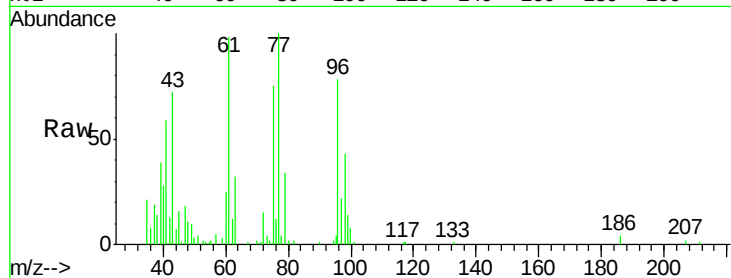
cis-1,2-Dichloroethene
 Concen: 4.227 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.1	0.0	299.8
98	66.2	0.0	127.2

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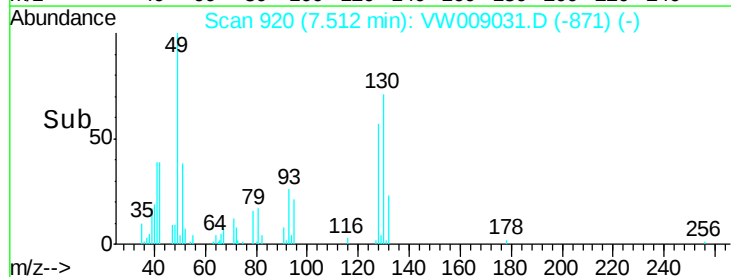
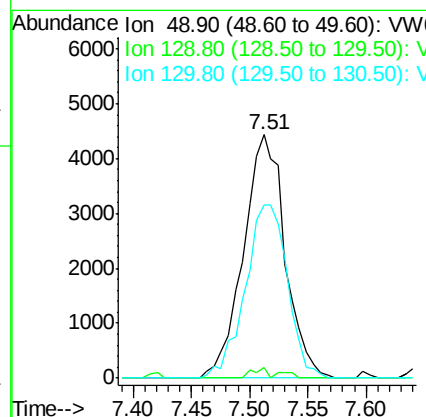
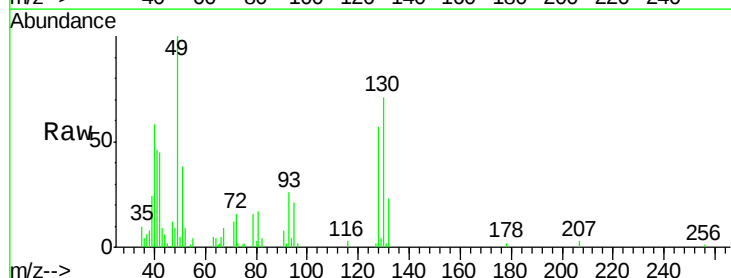
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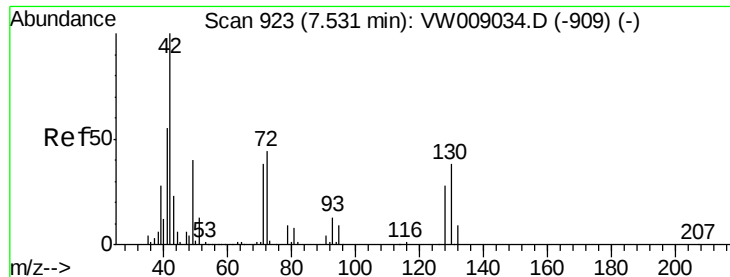


#28

Bromochloromethane
 Concen: 5.038 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.6
130	72.6	60.4	90.6





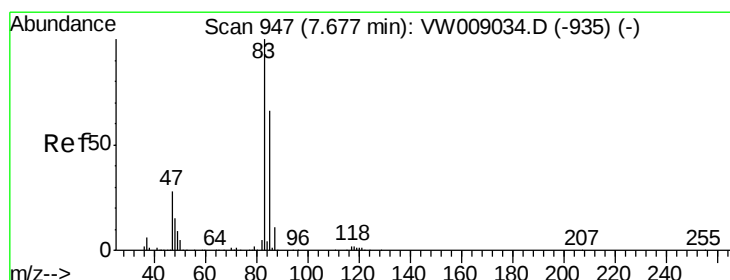
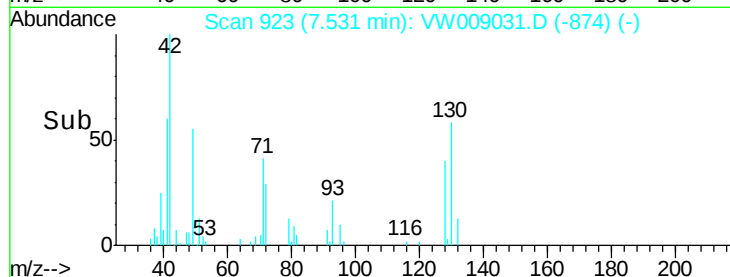
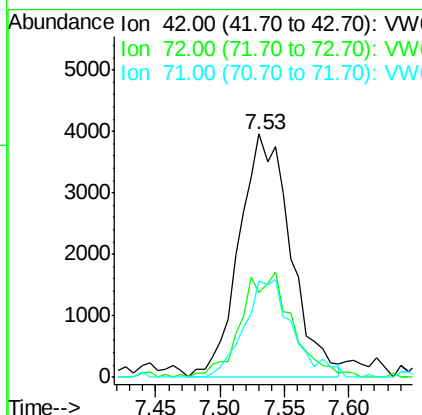
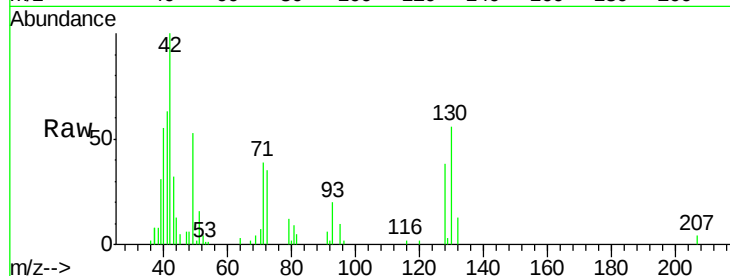
#29
Tetrahydrofuran
Concen: 18.973 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	32.2	48.4
71	37.8	30.7	46.1

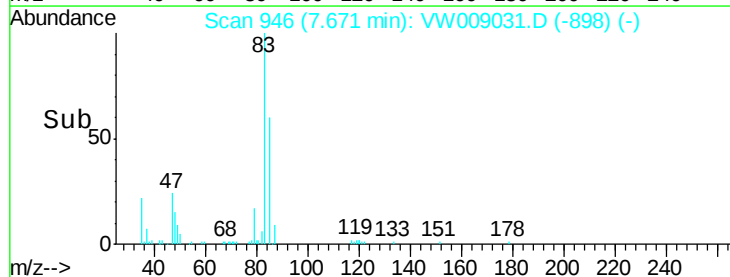
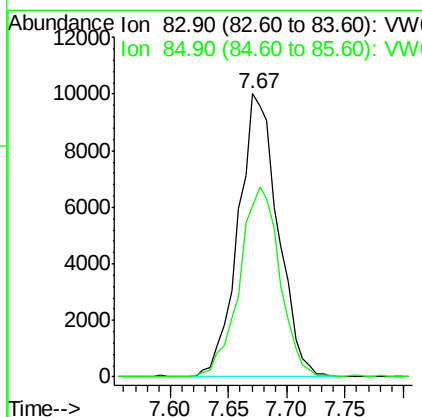
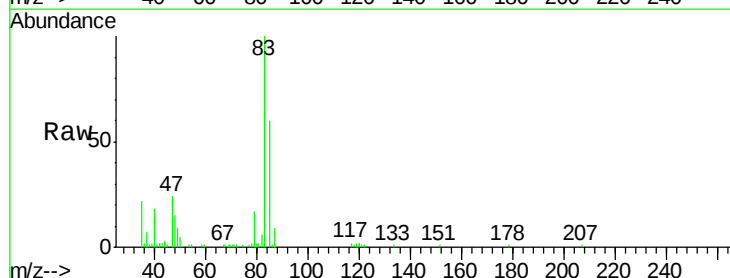
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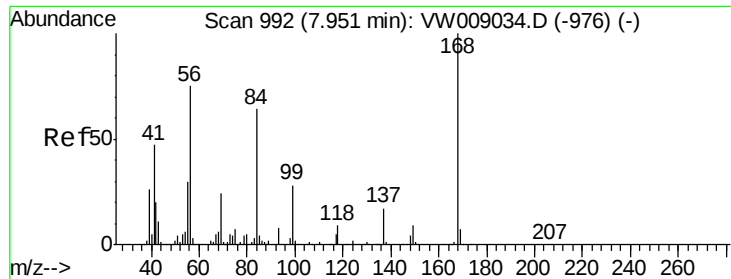
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#30
Chloroform
Concen: 4.393 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.1	53.0	79.6





#31

Cyclohexane

Concen: 5.268 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

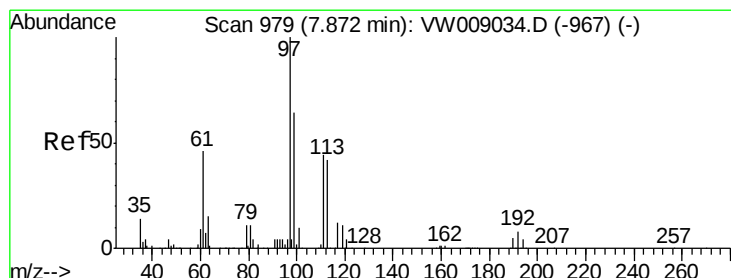
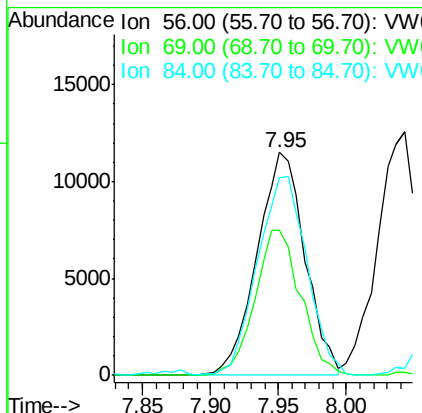
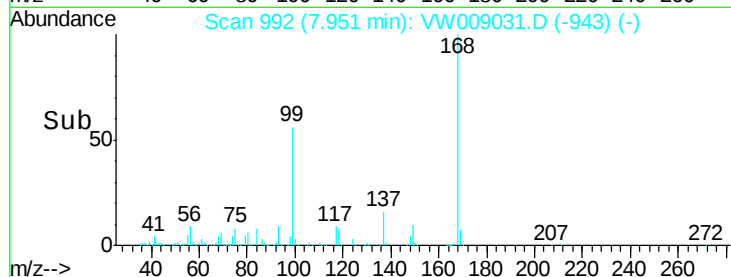
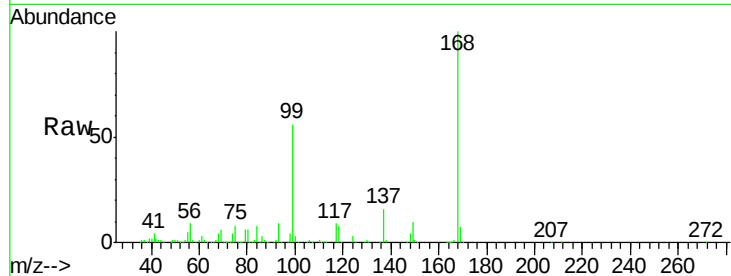
ClientSampled :

VSTDIC005

Tot Ion:	56	Resp:	28303
Ion Ratio	Lower	Upper	
56	100		
69	64.9	25.5	38.3#
84	87.9	68.6	103.0

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#32

1,1,1-Trichloroethane

Concen: 4.885 ug/l

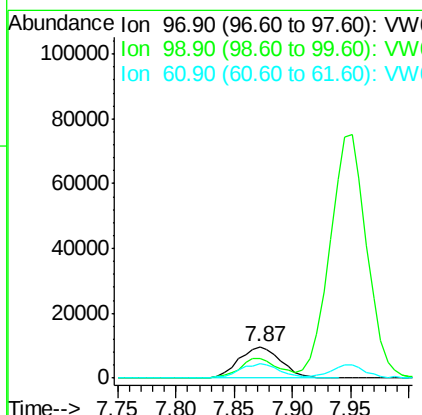
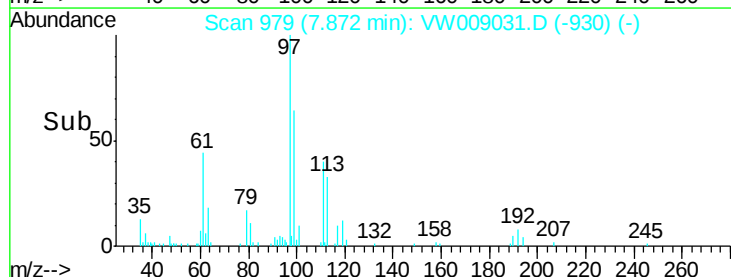
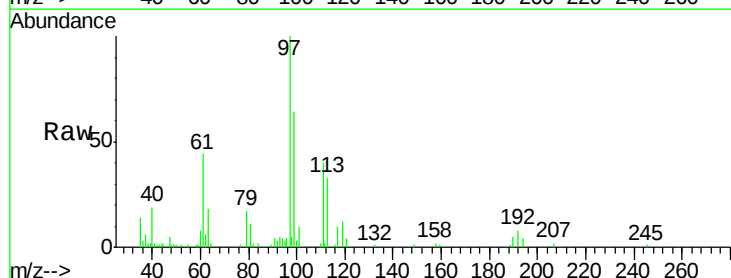
RT: 7.87 min Scan# 979

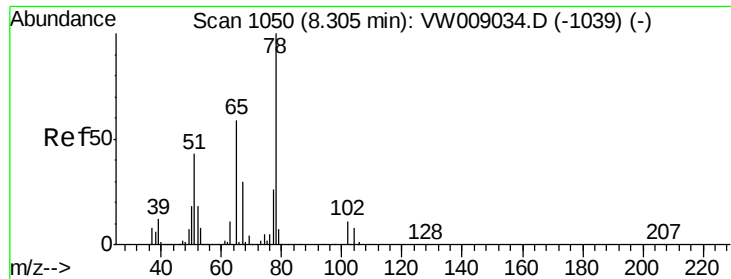
Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion:	97	Resp:	24273
Ion Ratio	Lower	Upper	
97	100		
99	59.3	51.8	77.8
61	45.1	37.3	55.9





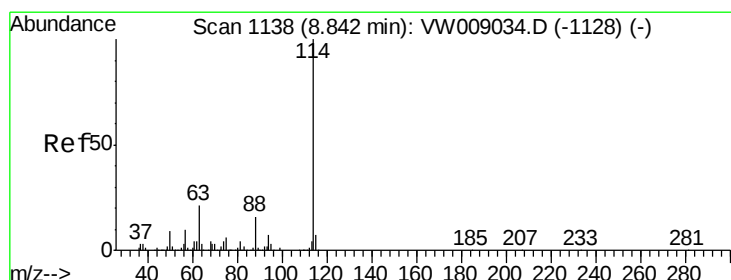
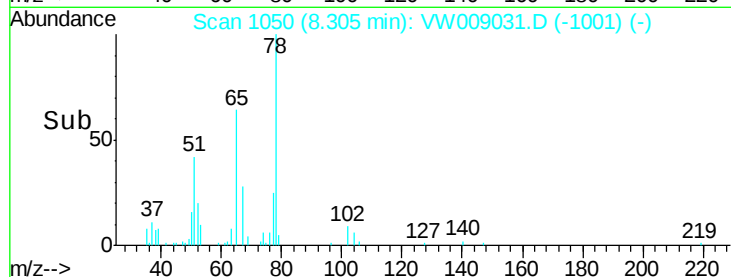
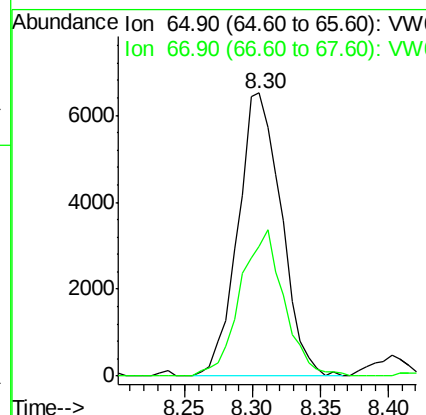
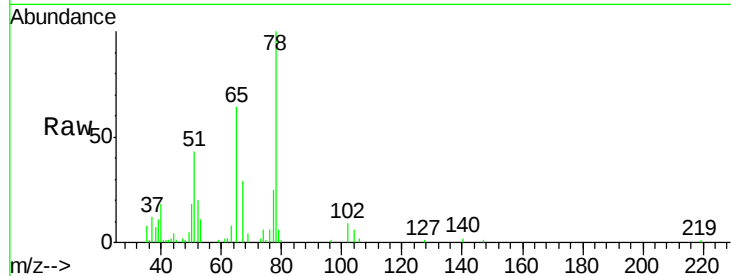
#33
 1,2-Dichloroethane-d4
 Concen: 4.877 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

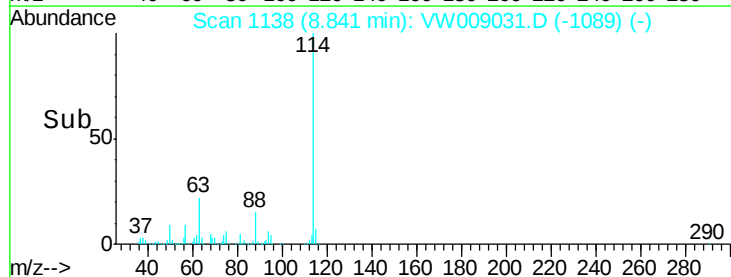
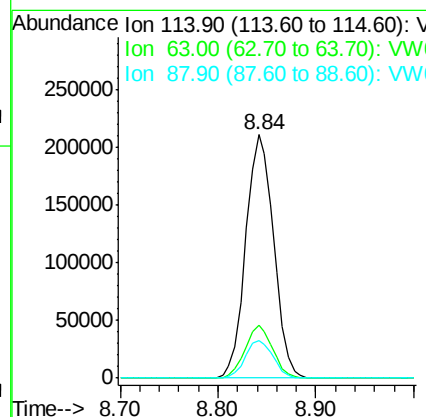
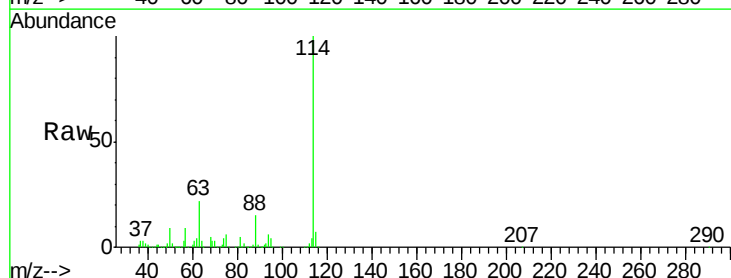
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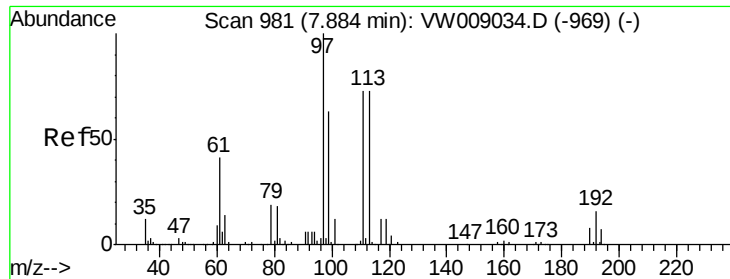
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.2
88	15.5	0.0	31.2





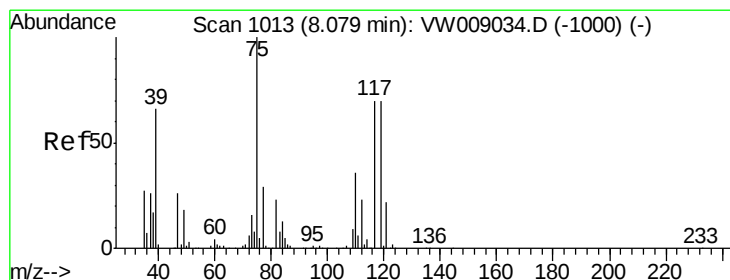
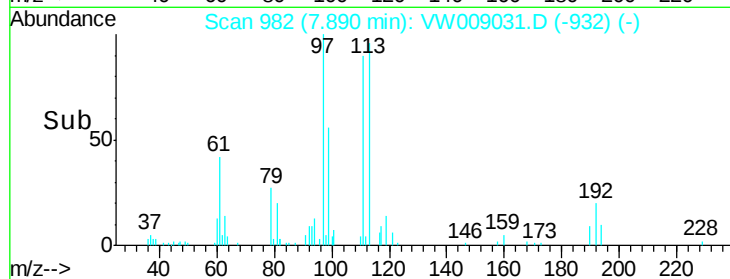
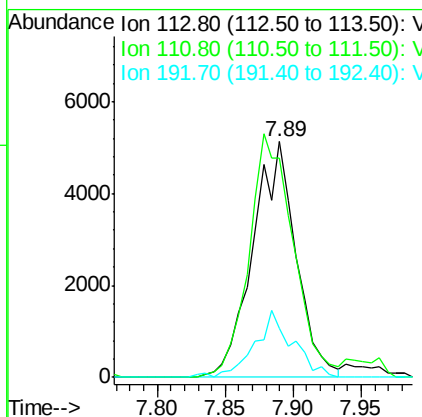
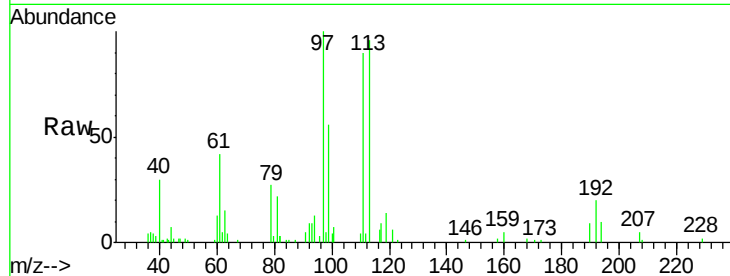
#35
 Dibromofluoromethane
 Concen: 4.538 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.4	81.0	121.4
192	24.9	17.1	25.7

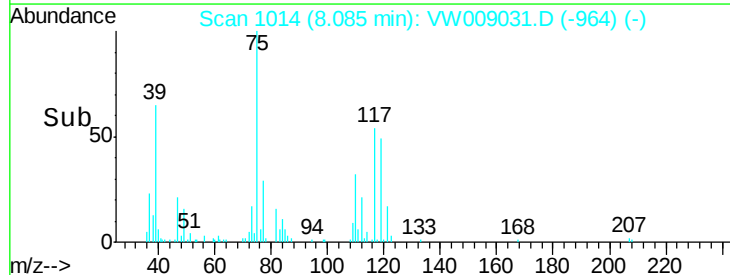
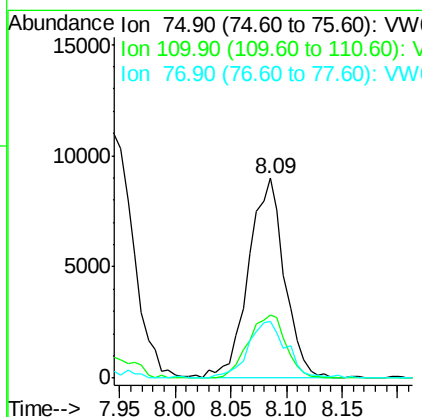
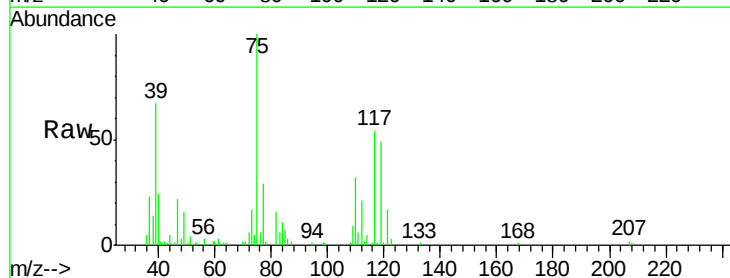
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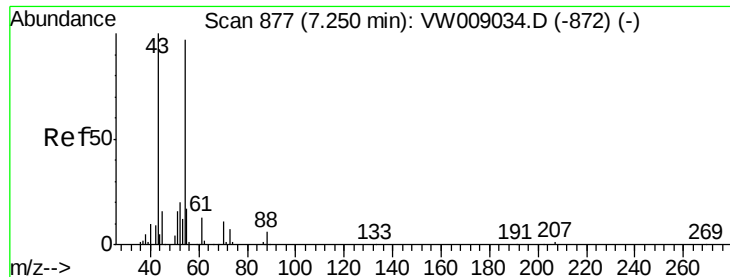
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#36
 1,1-Dichloropropene
 Concen: 4.719 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	17.6	52.9
77	30.4	25.1	37.7





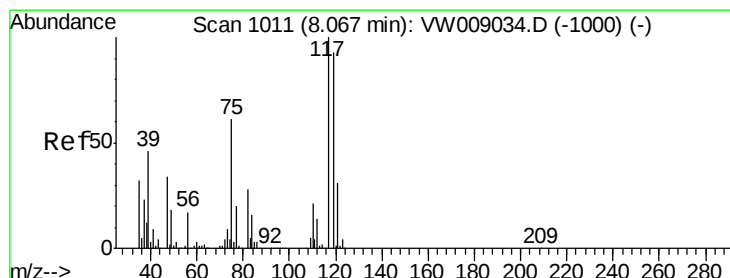
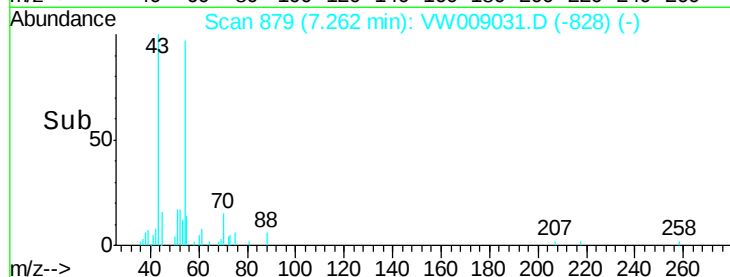
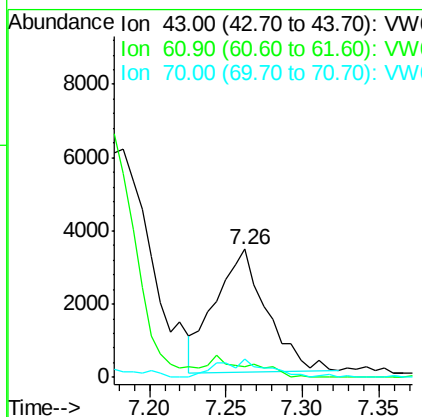
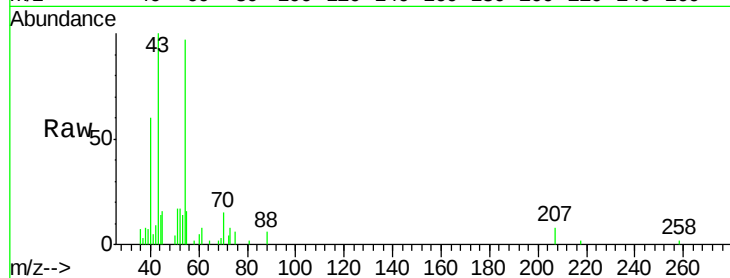
#37
Ethyl Acetate
Concen: 3.896 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.0	9.8	14.6	
70	6.1	7.2	10.8	

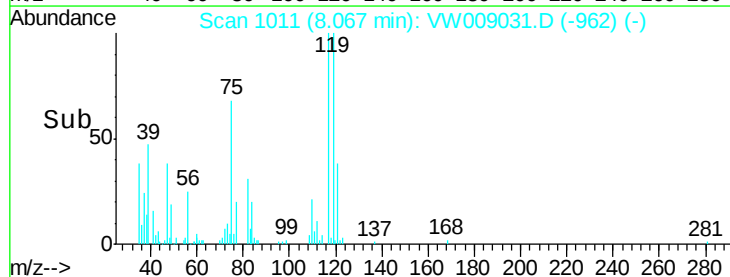
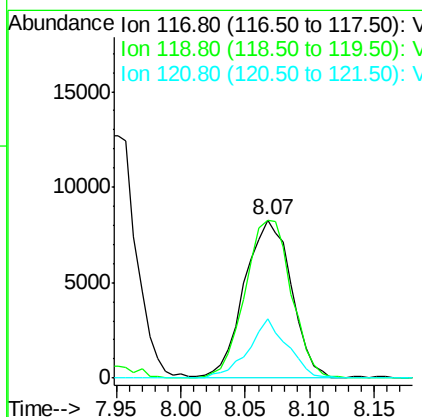
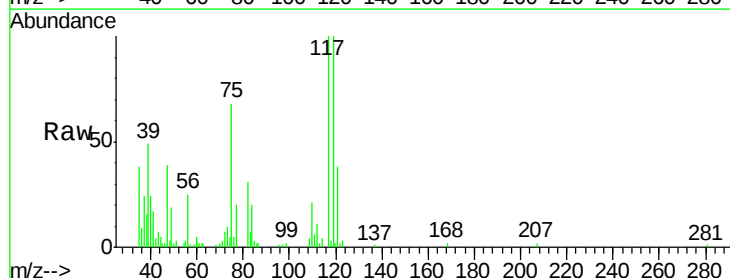
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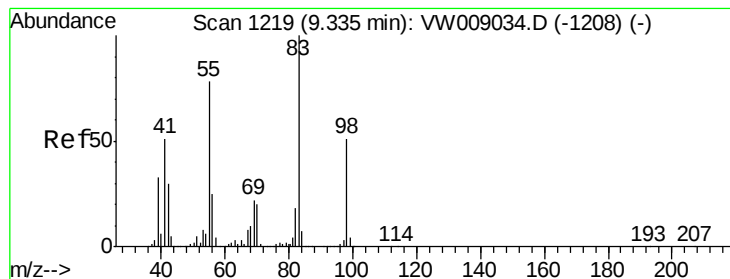
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#38
Carbon Tetrachloride
Concen: 4.701 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	99.5	74.6	112.0	
121	37.7	24.7	37.1	





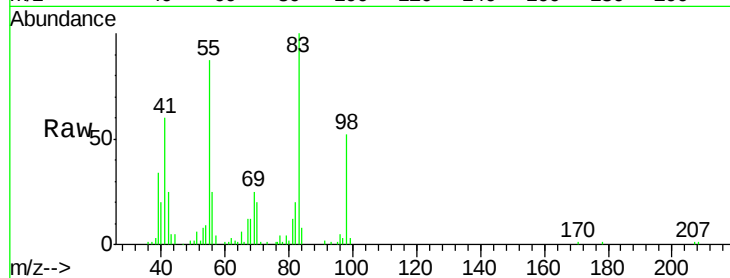
#39
Methvlcvclohexane
Concen: 4.303 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.6	62.7	94.1
98	52.2	40.8	61.2

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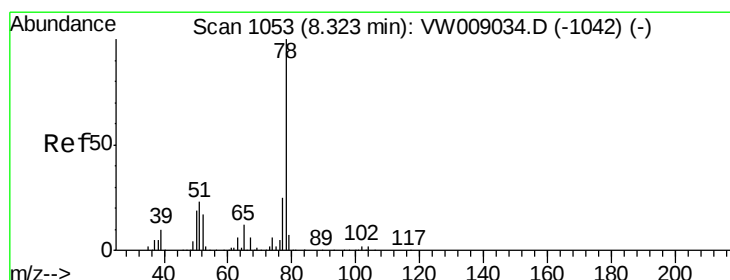
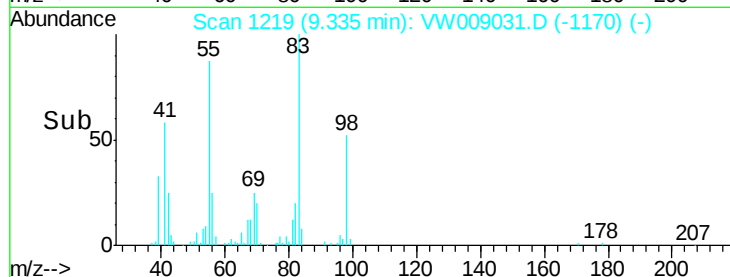
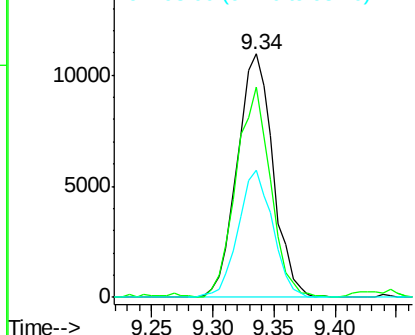


Abundance

Ion 83.00 (82.70 to 83.70): VW

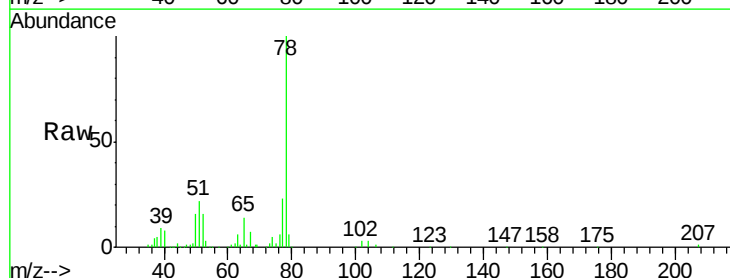
Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40
Benzene
Concen: 4.606 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

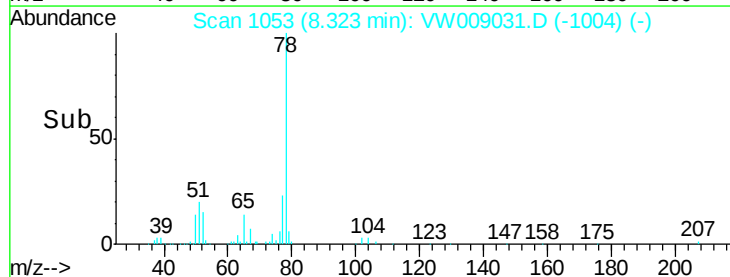
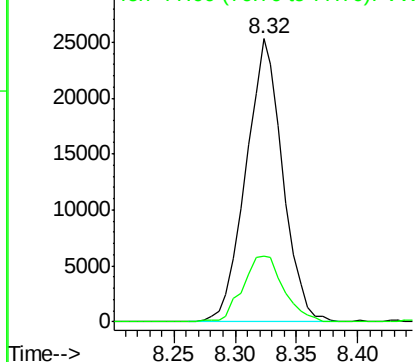
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	20.2	30.4

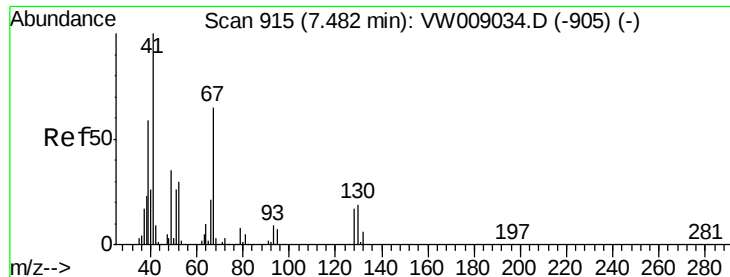


Abundance

Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





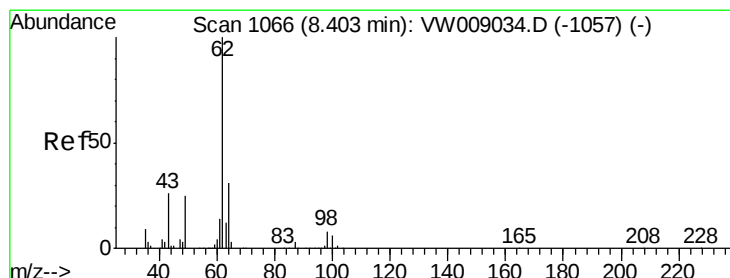
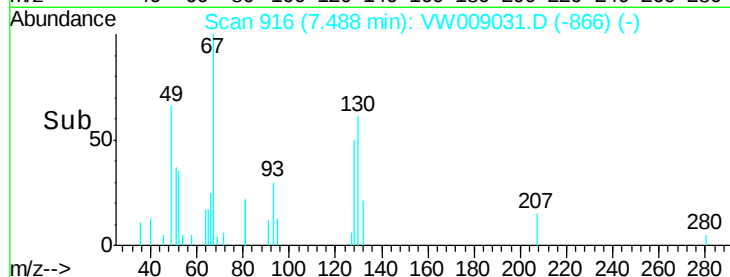
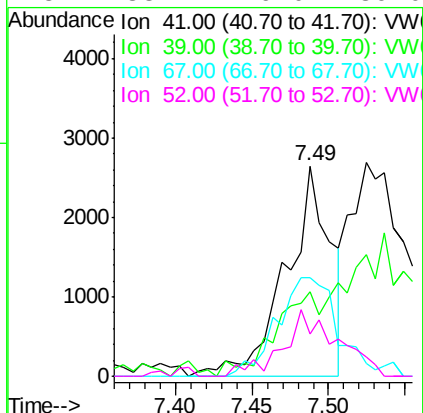
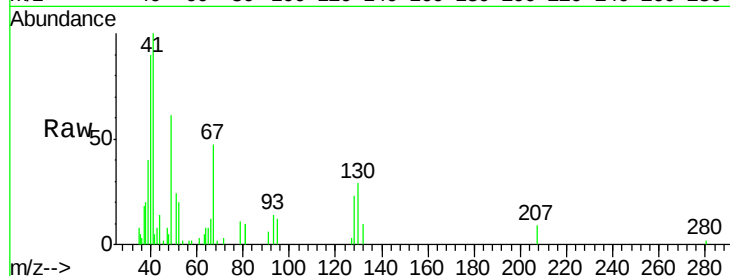
#41
Methacrylonitrile
Concen: 5.020 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		5360		
39	40.4	53.6	80.4#		
67	62.8	57.6	86.4		
52	38.2	26.0	39.0		

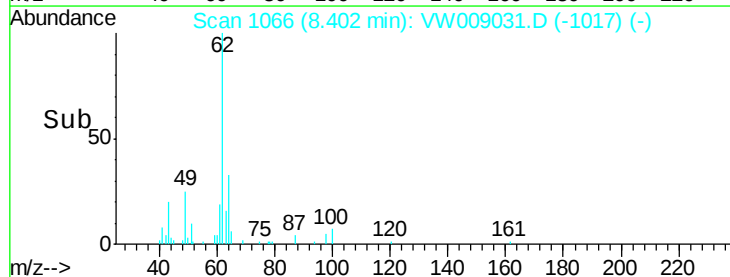
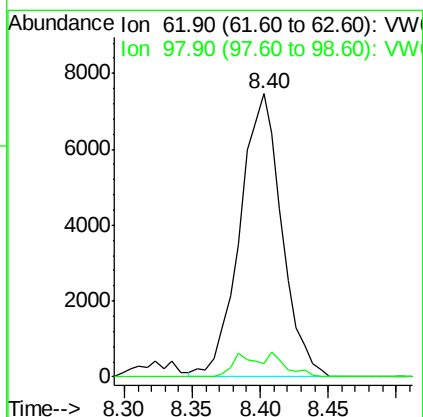
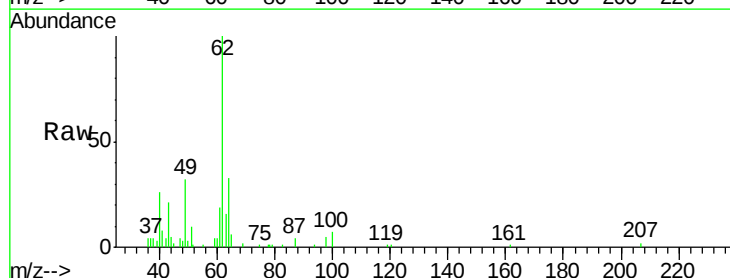
Manual Integrations
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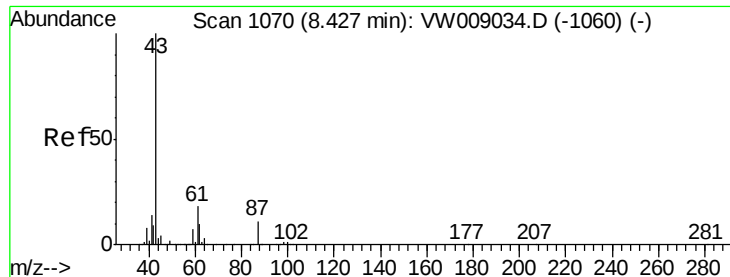
MMDadoda
3/8/2019 12:06:59 PM



#42
1,2-Dichloroethane
Concen: 4.302 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		16073		
98	3.9	0.0	17.6		





#43

Isopropyl Acetate

Concen: 4.078 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

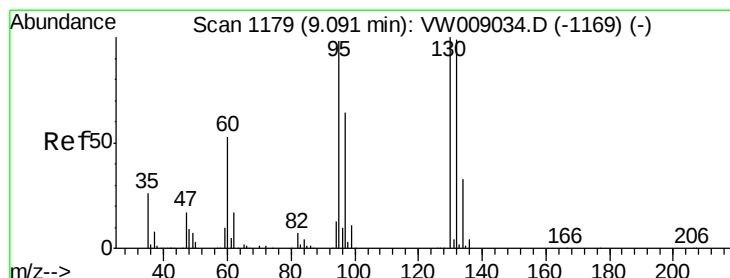
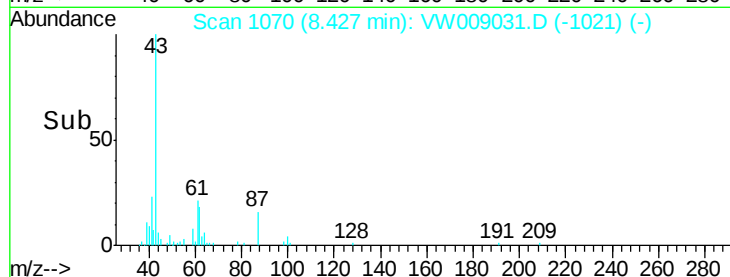
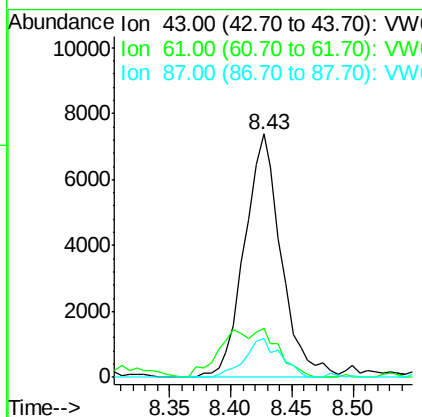
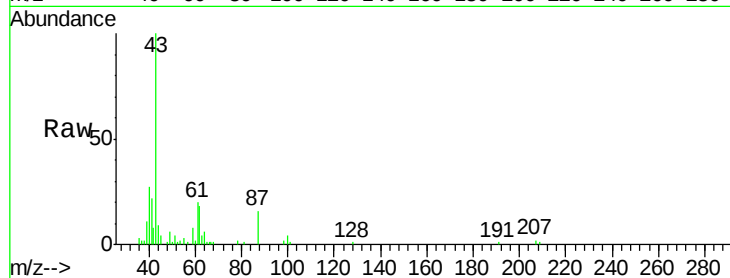
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	15456
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.8	34.2#
87	15.3	9.4	14.2#

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3/8/2019 12:06:59 PM



#44

Trichloroethene

Concen: 4.600 ug/l

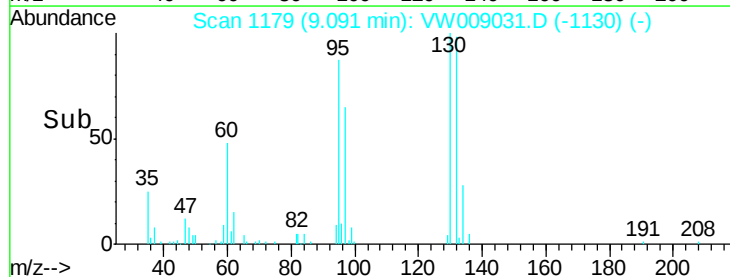
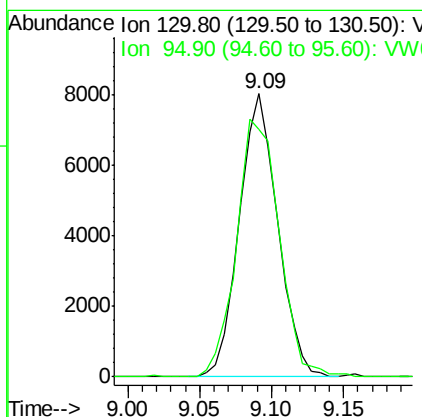
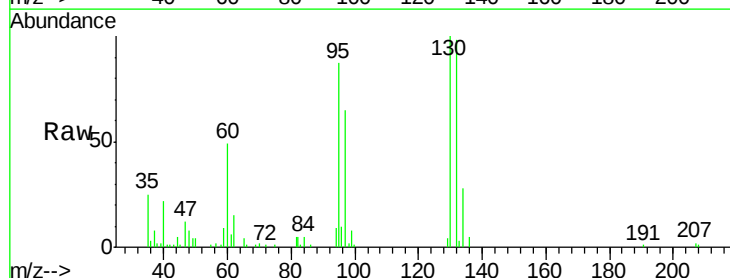
RT: 9.09 min Scan# 1179

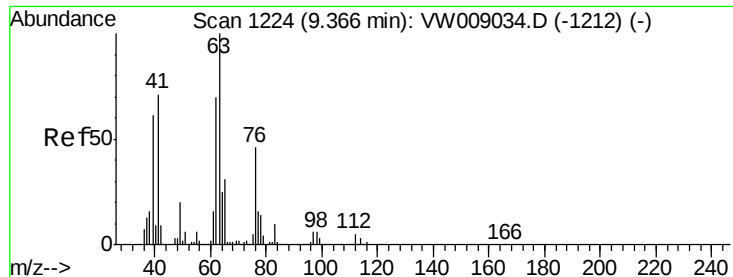
Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion:	130	Resp:	14828
Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	197.0





#45

1,2-Dichloropropane

Concen: 4.614 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 13160

Ion Ratio Lower Upper

63 100

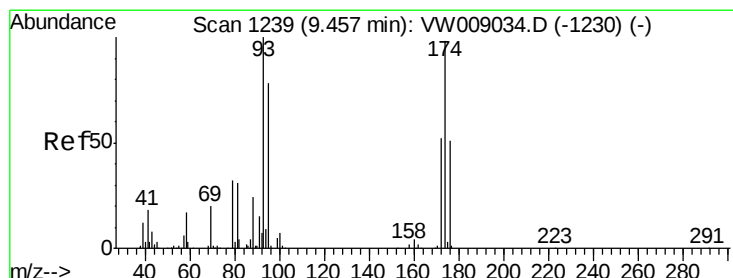
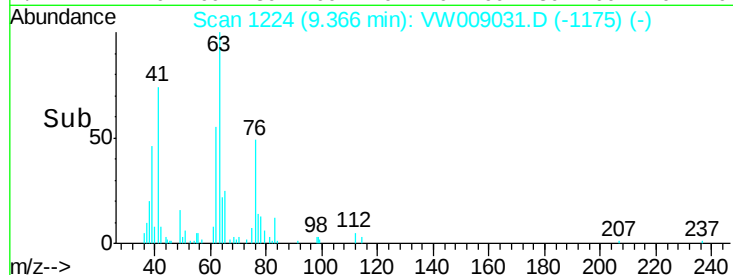
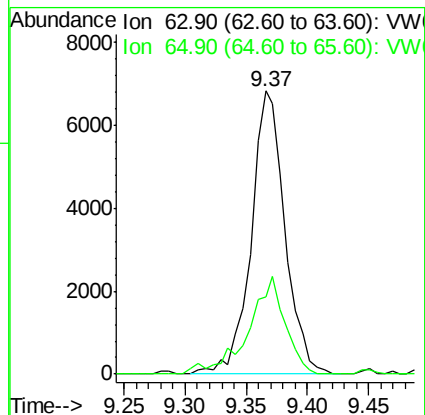
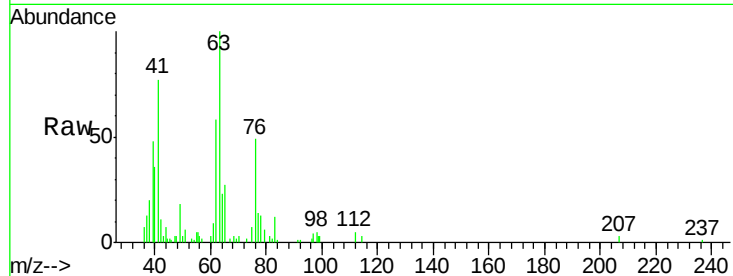
65 27.3 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 4.927 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

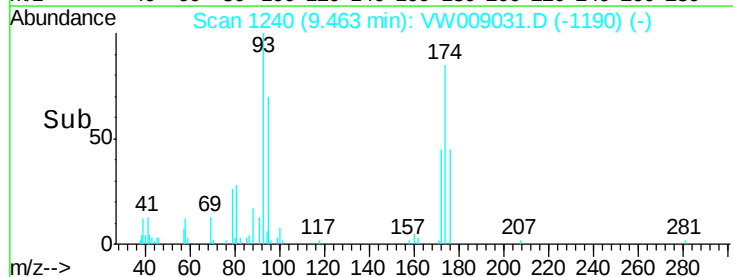
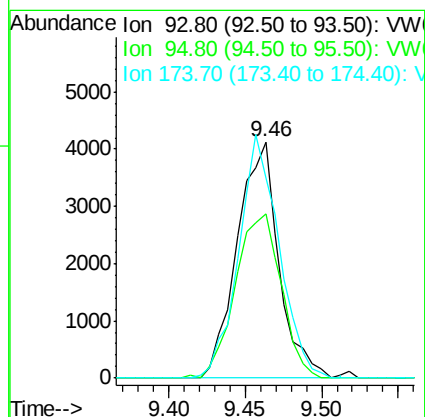
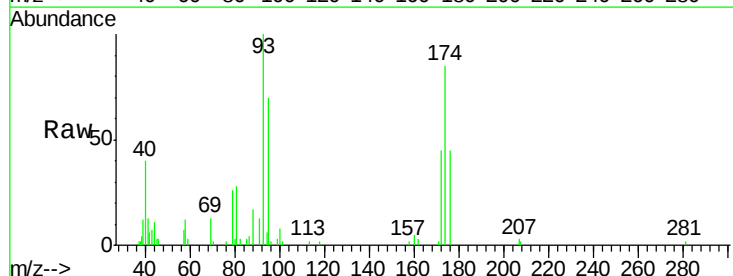
Tgt Ion: 93 Resp: 7805

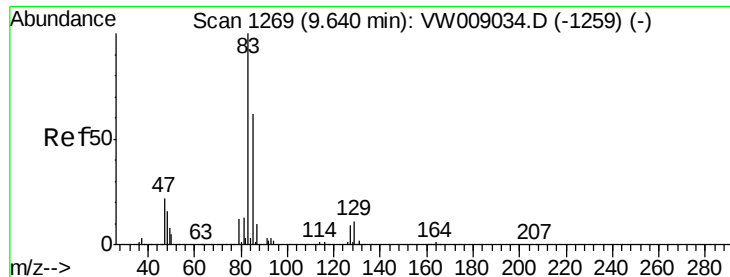
Ion Ratio Lower Upper

93 100

95 76.2 65.0 97.6

174 99.8 81.8 122.6





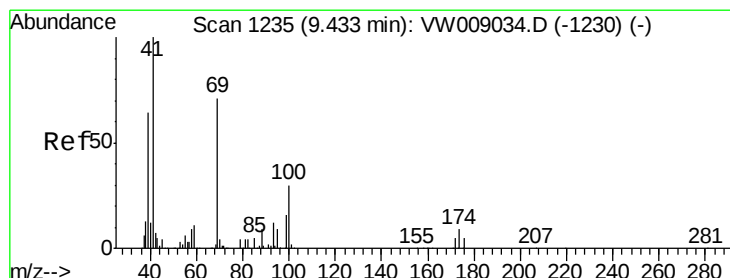
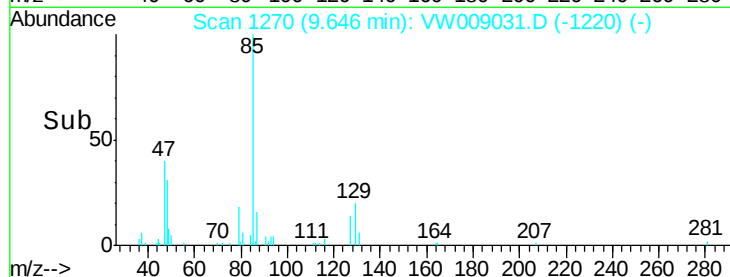
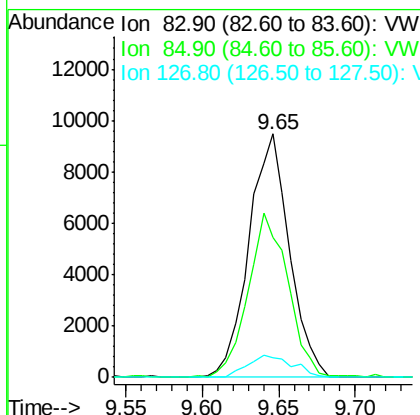
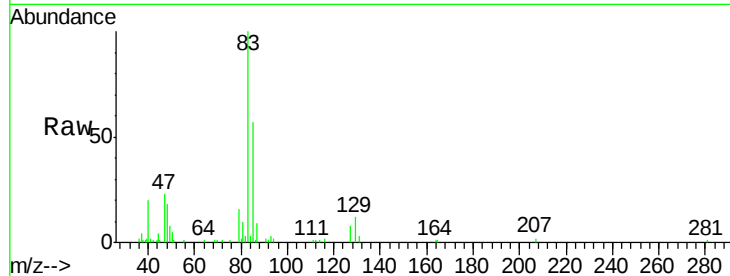
#47
Bromodichloromethane
Concen: 4.366 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	17434
Ion Ratio	100	Lower	Upper
83	100		
85	57.5	49.9	74.9
127	8.2	7.1	10.7

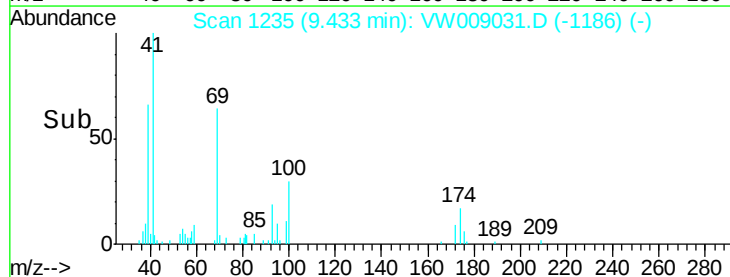
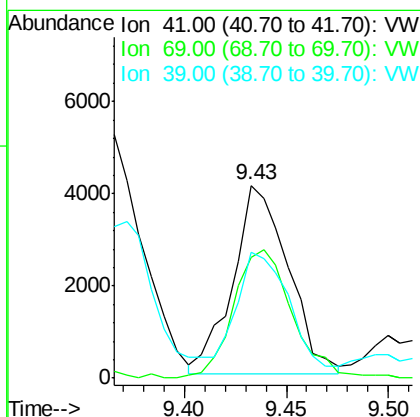
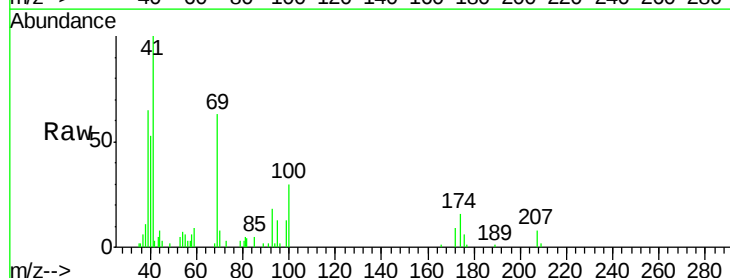
Manual Integrations
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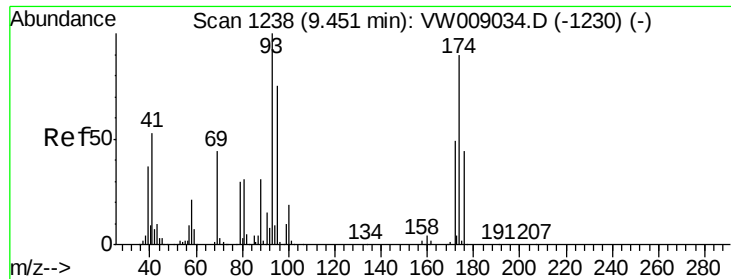
MMDadoda
3/8/2019 12:06:59 PM



#48
Methyl methacrylate
Concen: 4.323 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	41	Resp	7725
Ion Ratio	100	Lower	Upper
41	100		
69	72.4	59.1	88.7
39	52.9	48.9	73.3





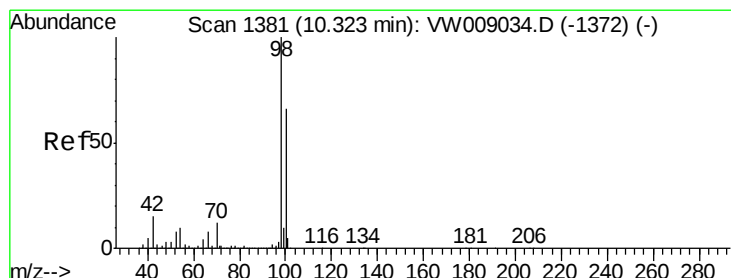
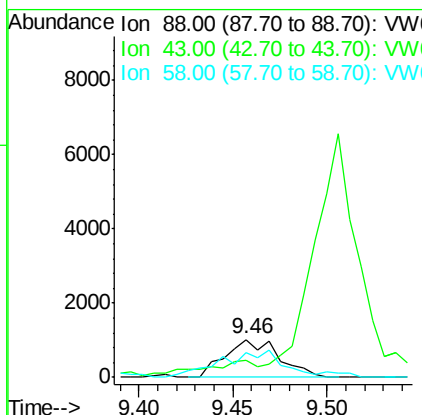
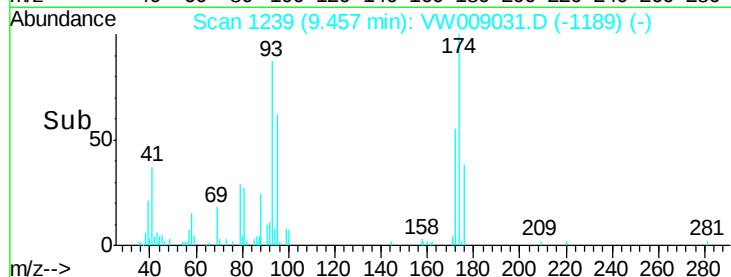
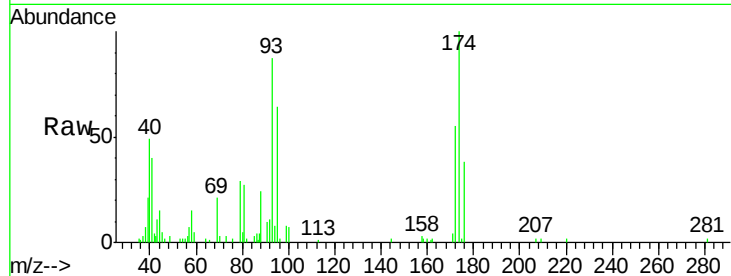
#49
1,4-Dioxane
Concen: 86.034 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	2001
Ion	Ratio	Lower	Upper
88	100		
43	47.2	29.0	43.4#
58	81.4	59.2	88.8

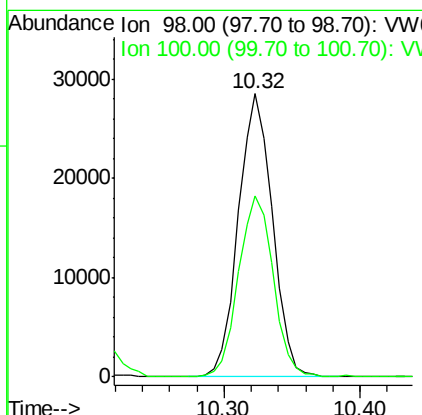
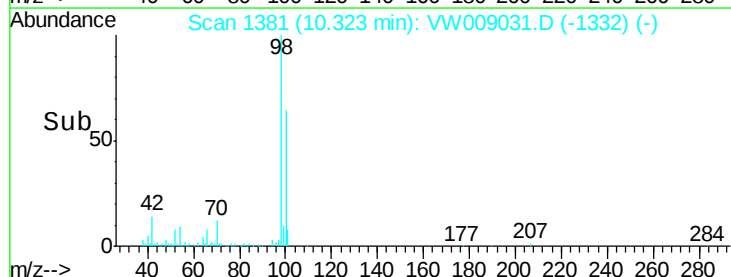
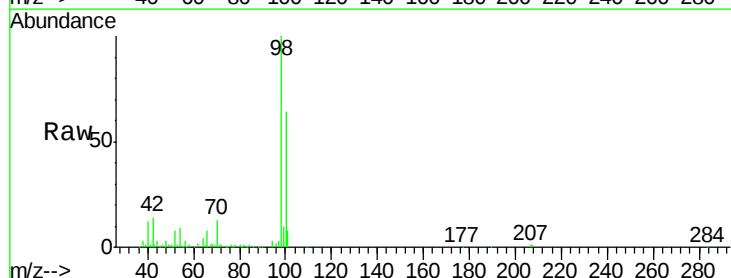
Manual Integrations
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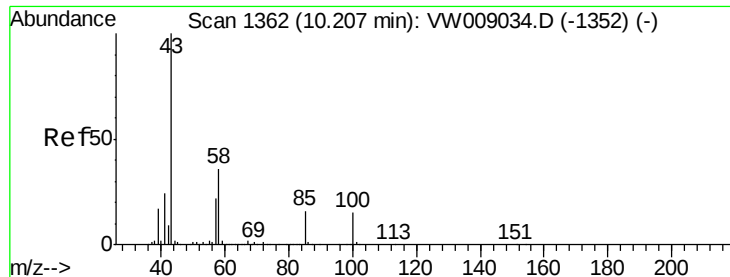
MMDadoda
3/8/2019 12:06:59 PM



#50
Toluene-d8
Concen: 4.808 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	98	Resp	49986
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





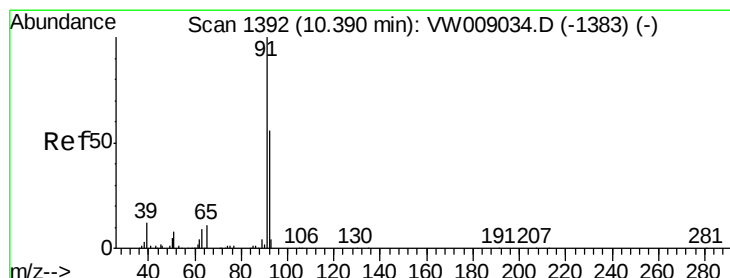
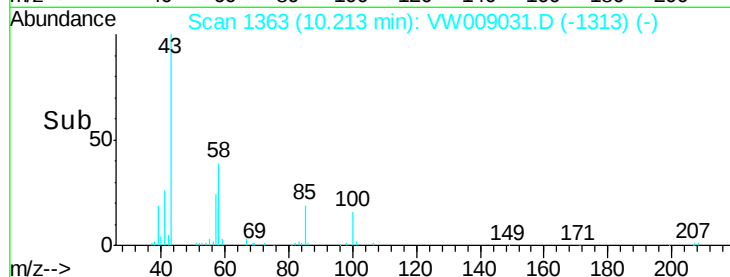
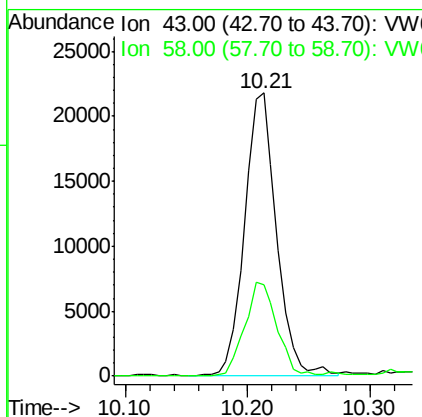
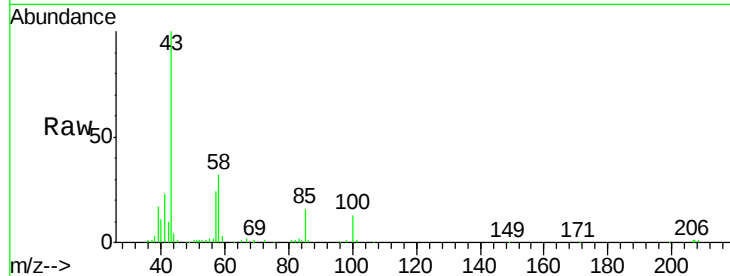
#51
4-Methyl-2-Pentanone
Concen: 20.334 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 39275
Ion Ratio Lower Upper
43 100
58 34.1 28.8 43.2

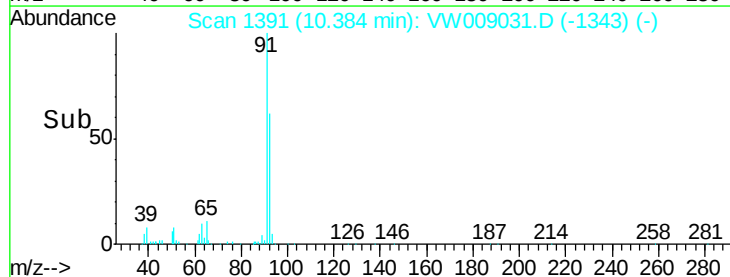
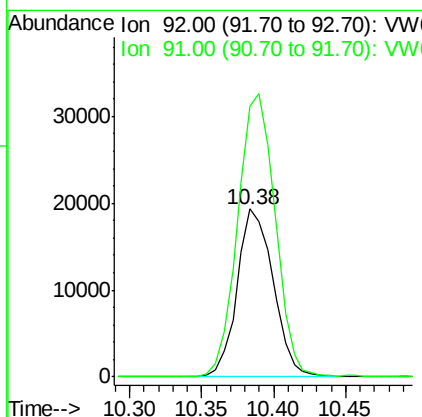
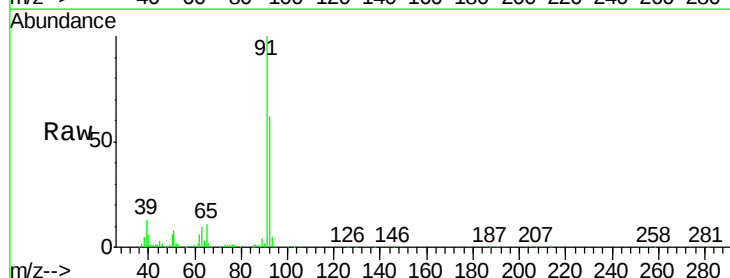
Manual Integrations
APPROVED

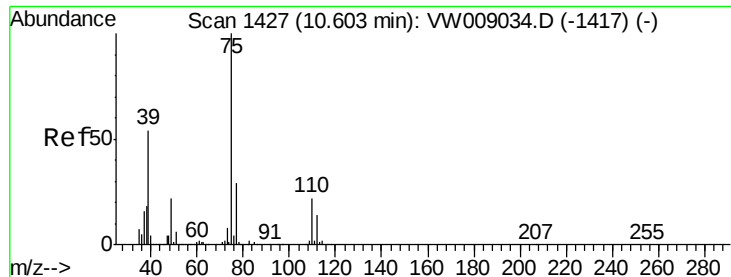
MMDadoda
3/8/2019 12:06:59 PM



#52
Toluene
Concen: 4.300 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion: 92 Resp: 33627
Ion Ratio Lower Upper
92 100
91 175.3 139.9 209.9





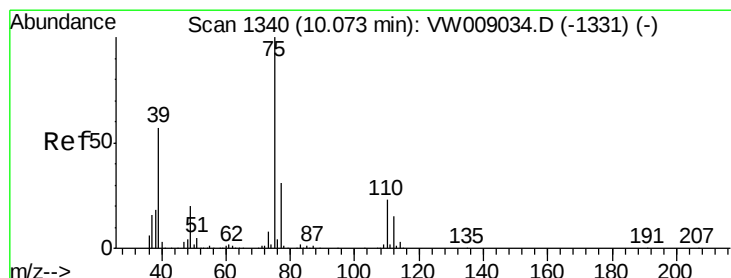
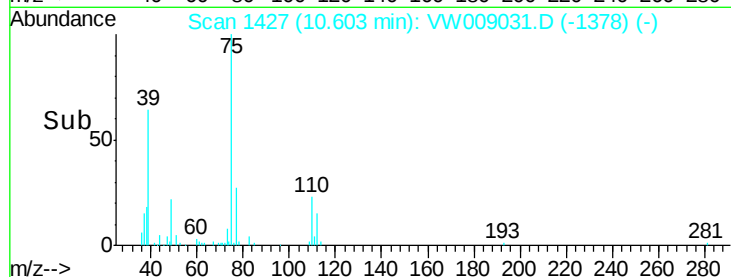
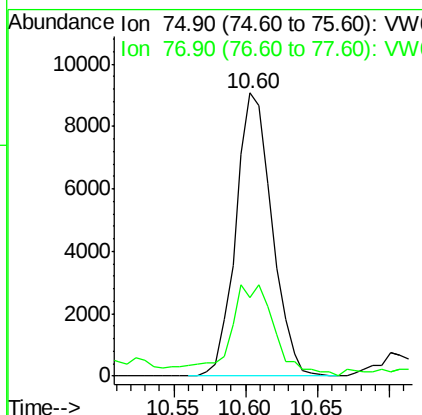
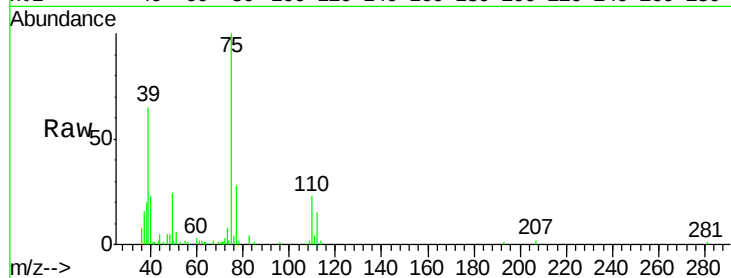
#53
t-1,3-Dichloropropene
Concen: 3.984 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.6	23.6	35.4

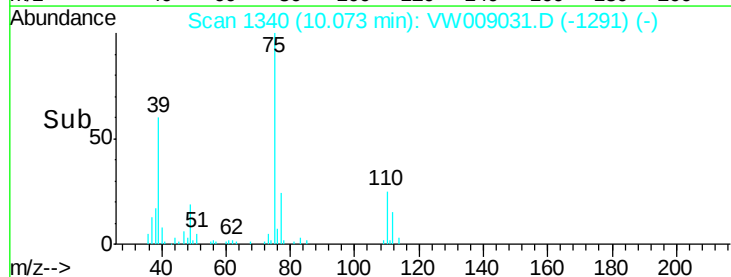
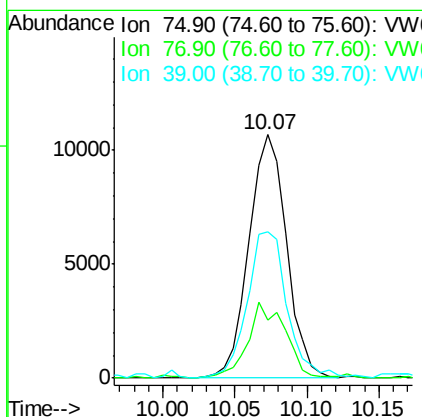
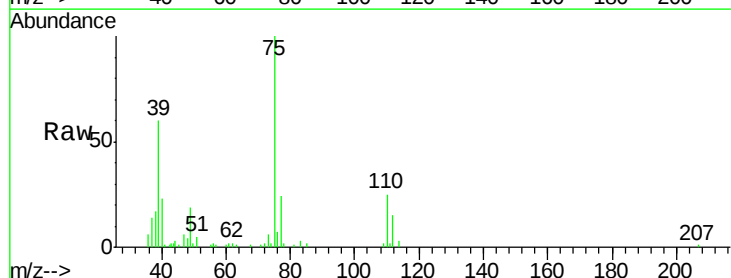
Manual Integrations
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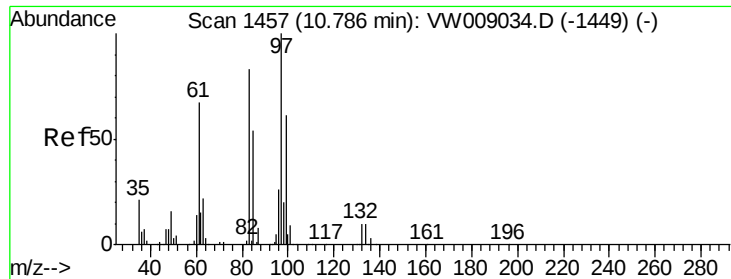
MMDadoda
3/8/2019 12:06:59 PM



#54
cis-1,3-Dichloropropene
Concen: 4.264 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	23.7	24.6	36.8#
39	60.1	45.9	68.9





#55

1,1,2-Trichloroethane

Concen: 5.042 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

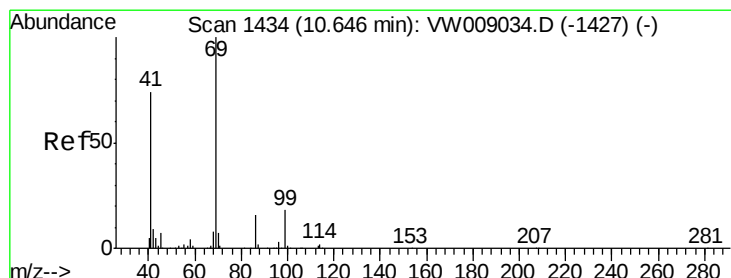
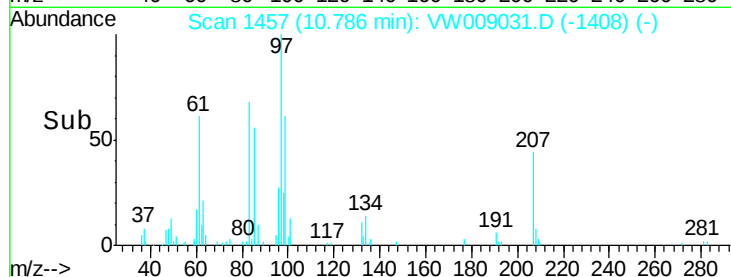
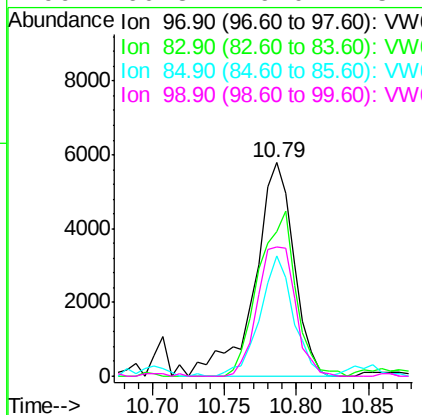
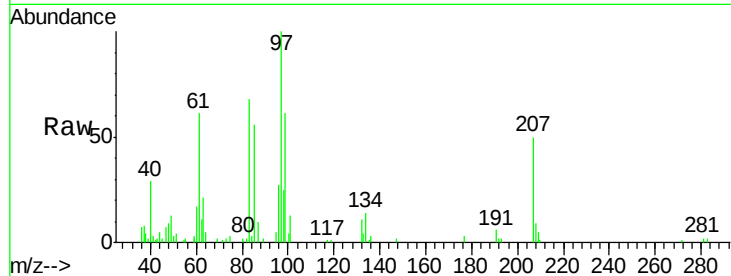
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	10825
Ion	Ratio	Lower	Upper
97	100		
83	67.7	66.2	99.2
85	56.5	43.6	65.4
99	60.8	49.0	73.4

Manual Integrations
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3/8/2019 12:06:59 PM



#56

Ethyl methacrylate

Concen: 3.754 ug/l

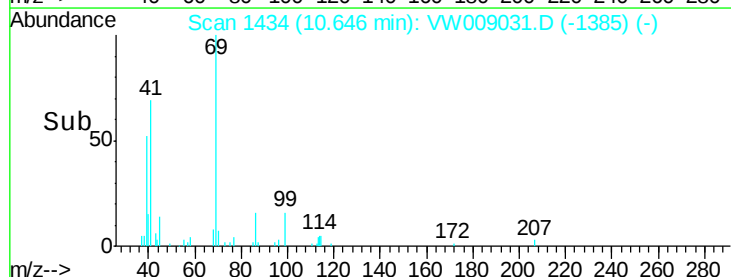
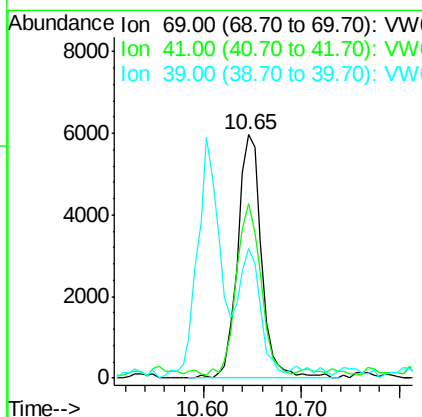
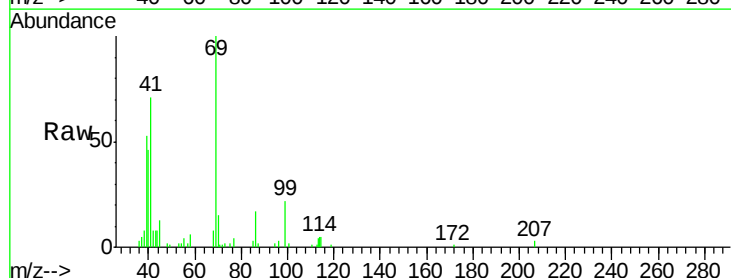
RT: 10.65 min Scan# 1434

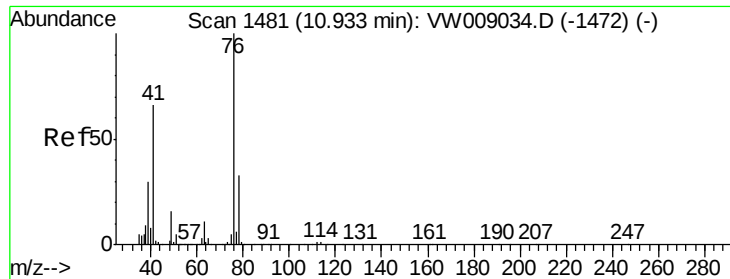
Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion:	69	Resp:	10105
Ion	Ratio	Lower	Upper
69	100		
41	71.7	59.4	89.2
39	46.4	38.5	57.7





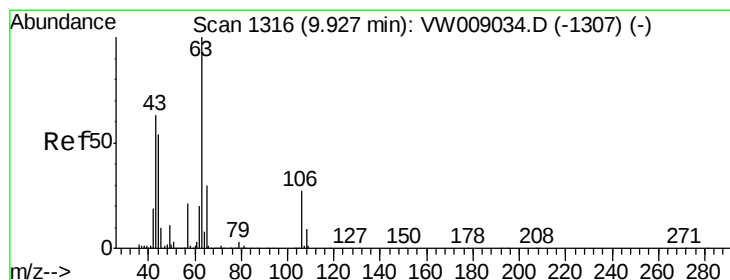
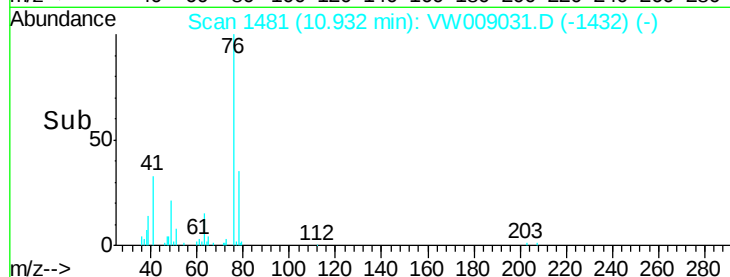
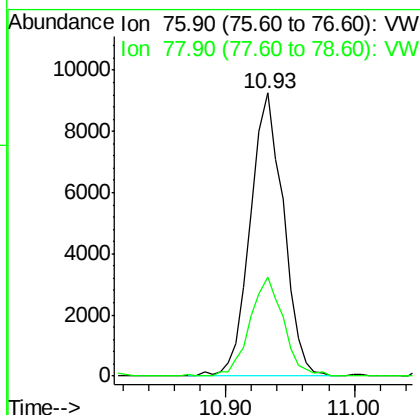
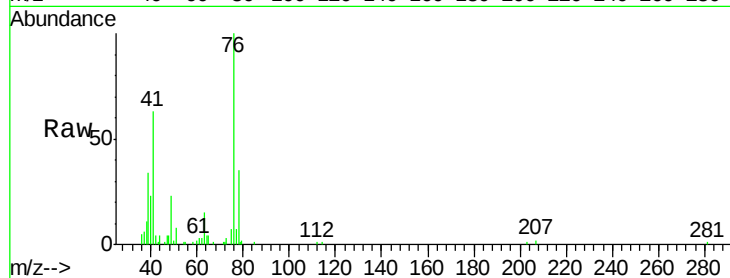
#57
 1,3-Dichloropropane
 Concen: 4.321 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.2	25.7	38.5

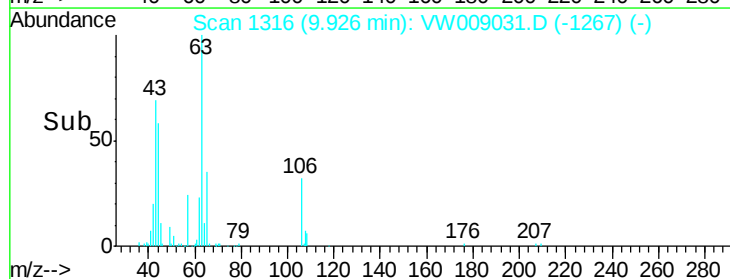
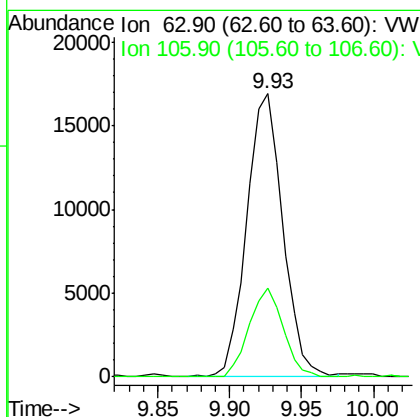
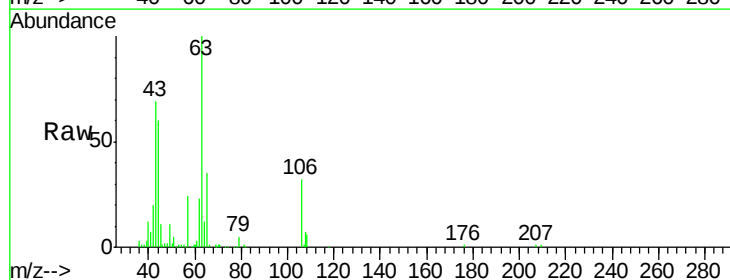
Manual Integrations
 APPROVED

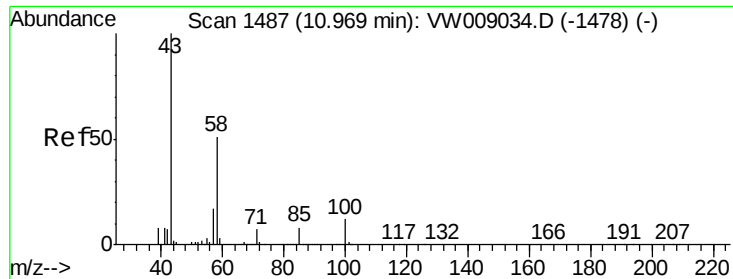
MMDadoda
 3/8/2019 12:06:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.979 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.0	34.6





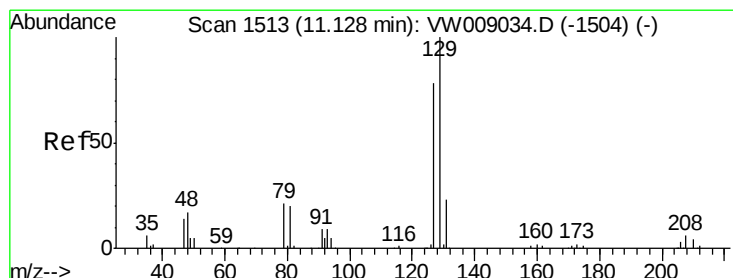
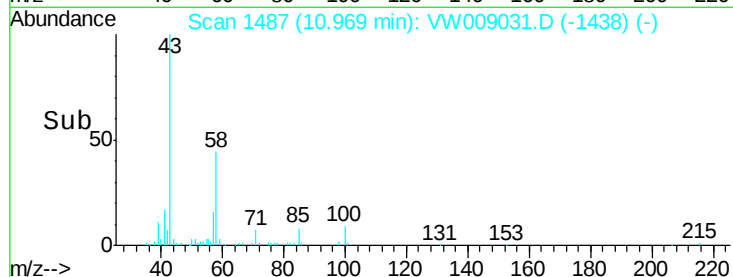
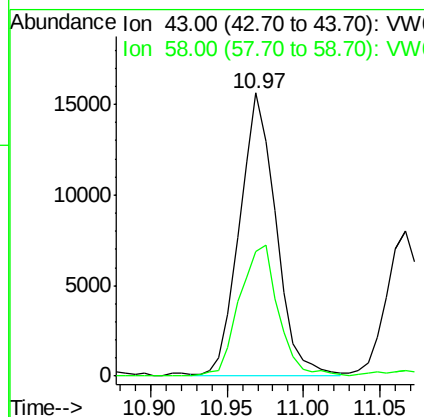
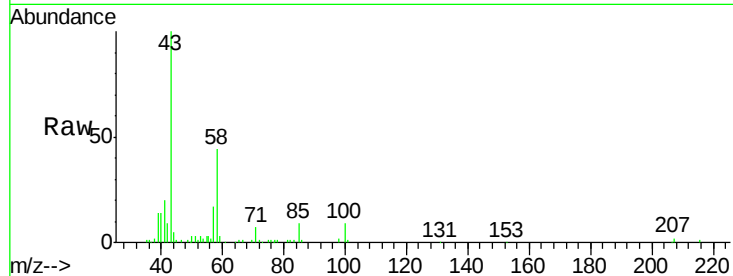
#59
2-Hexanone
Concen: 18.865 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 25725
Ion Ratio Lower Upper
43 100
58 49.7 25.3 75.9

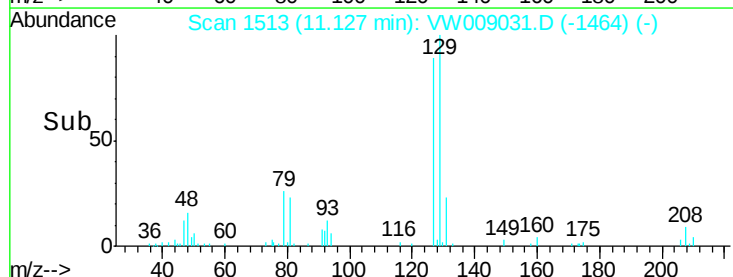
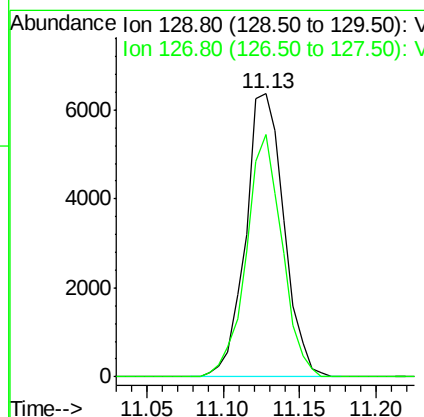
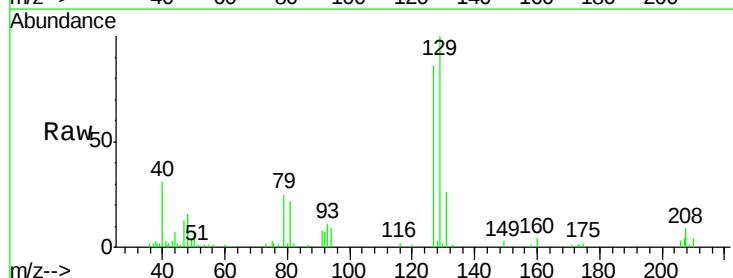
Manual Integrations
APPROVED

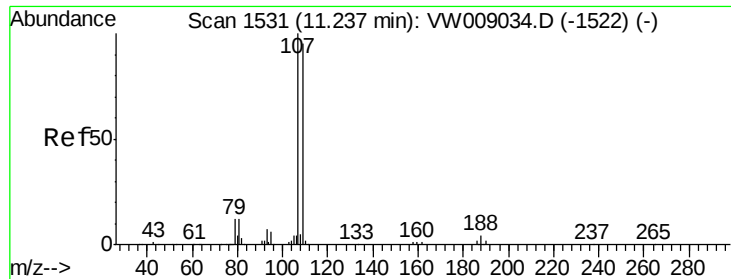
MMDadoda
3/8/2019 12:06:59 PM



#60
Dibromochloromethane
Concen: 4.200 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion:129 Resp: 11079
Ion Ratio Lower Upper
129 100
127 79.8 38.4 115.1





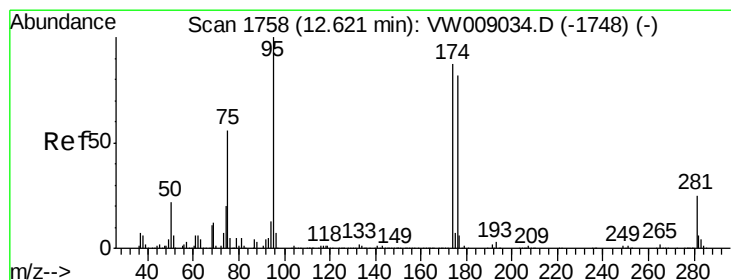
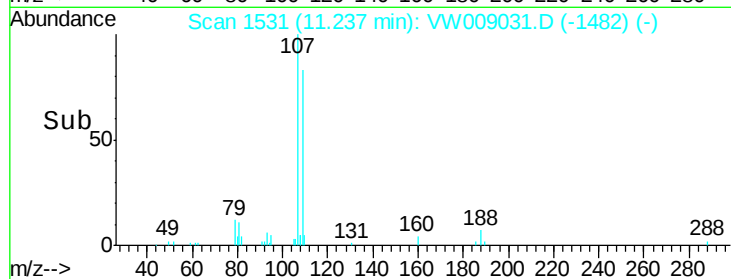
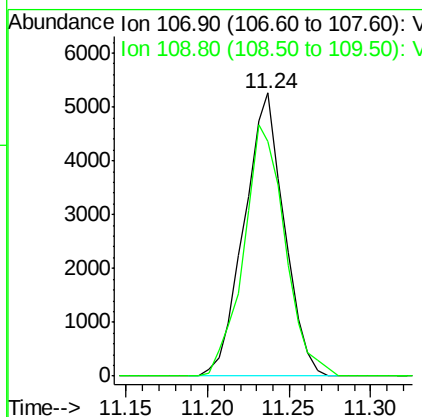
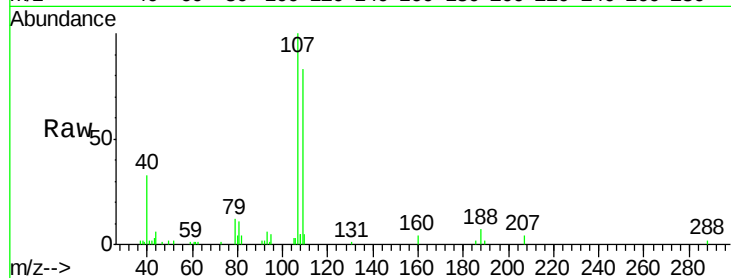
#61
 1,2-Dibromoethane
 Concen: 4.316 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	74.7	112.1

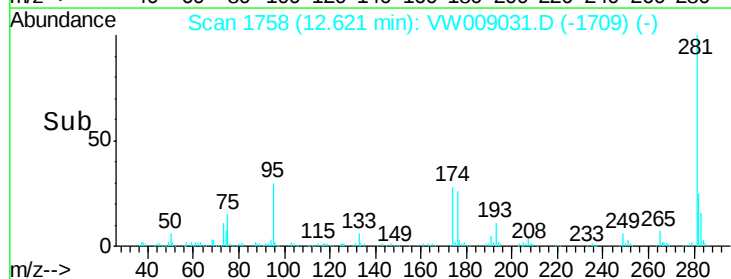
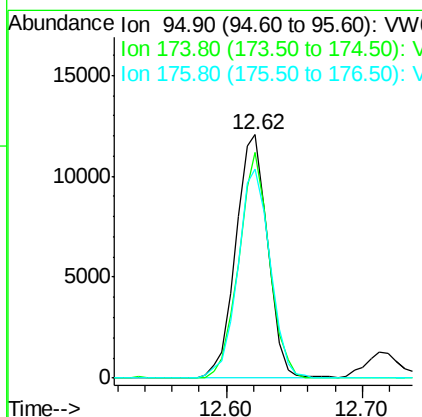
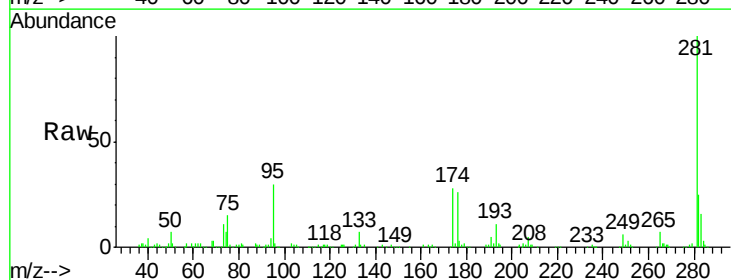
Manual Integrations
 APPROVED

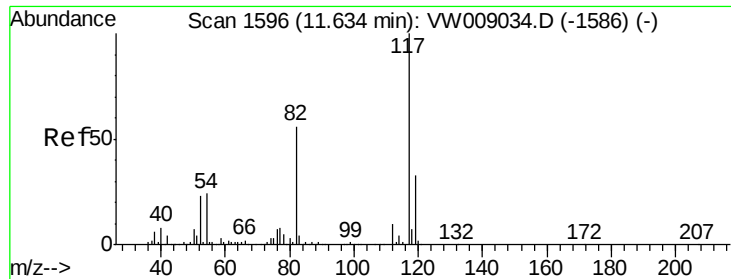
MMDadoda
 3/8/2019 12:06:59 PM



#62
 4-Bromofluorobenzene
 Concen: 4.826 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	167.0
176	86.7	0.0	159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

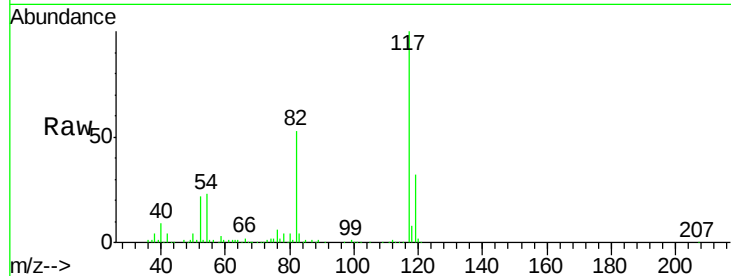
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	410264
Ion Ratio	Lower	Upper	
117	100		
82	53.4	45.0	67.6
119	31.8	26.6	39.8

Manual Integrations
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3/8/2019 12:06:59 PM

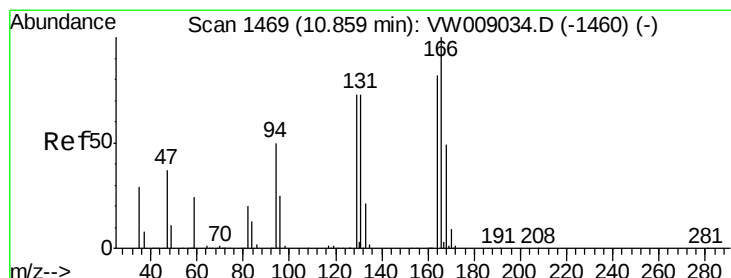
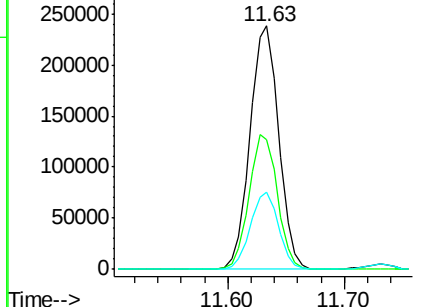
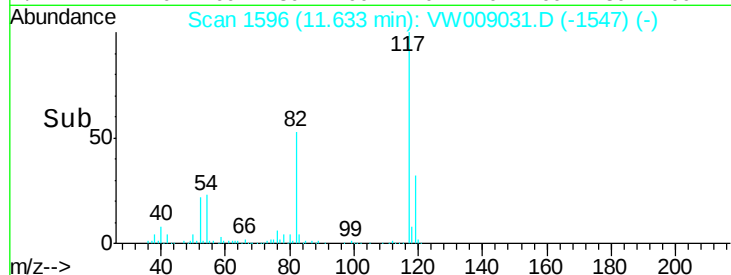


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

Time-->



#64

Tetrachloroethene

Concen: 4.389 ug/l

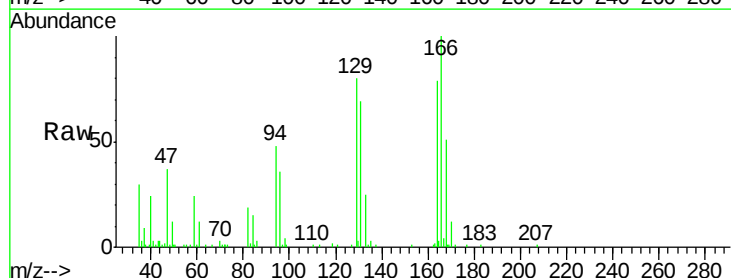
RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion:	164	Resp:	13072
Ion Ratio	Lower	Upper	
164	100		
166	126.0	97.8	146.6
129	100.3	71.6	107.4
131	86.4	71.4	107.0

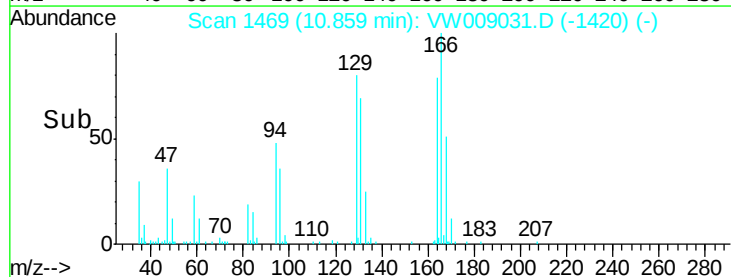
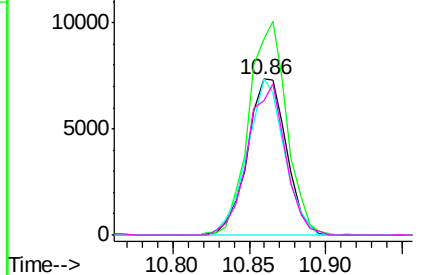


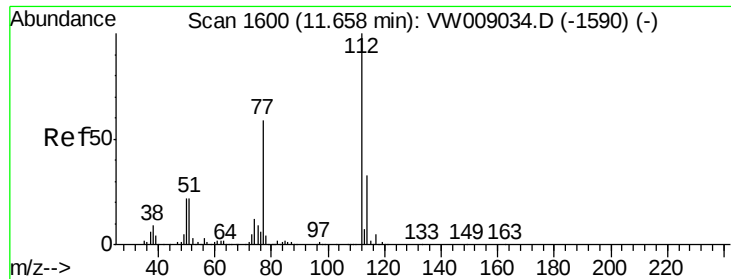
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 4.478 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 39581

Ion Ratio Lower Upper

112 100

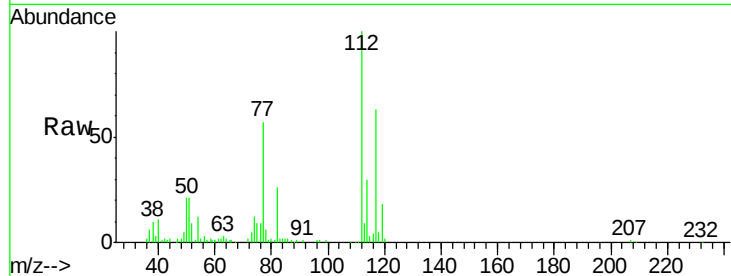
114 29.9 26.6 40.0

Manual Integrations

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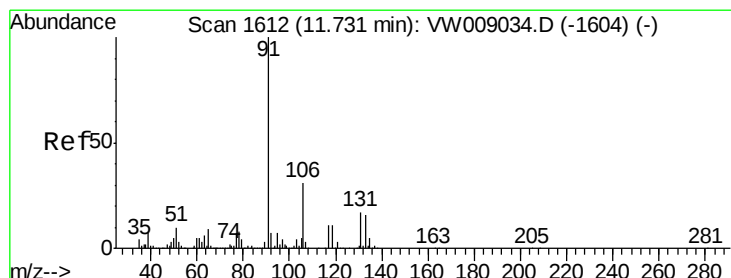
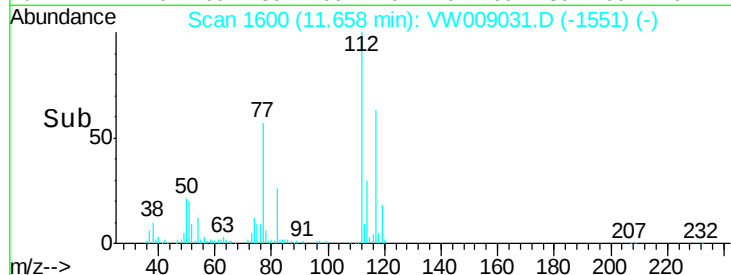
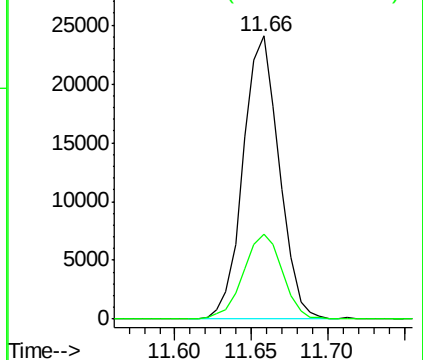
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.228 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

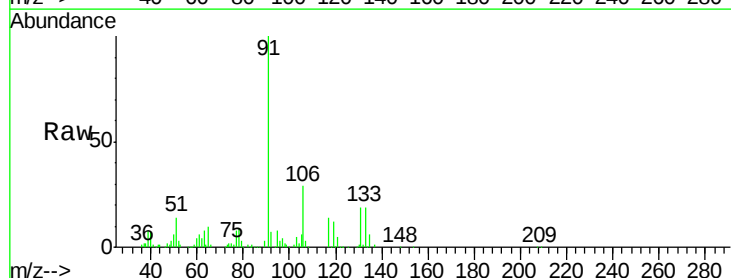
Tgt Ion:131 Resp: 12458

Ion Ratio Lower Upper

131 100

133 99.8 47.6 142.8

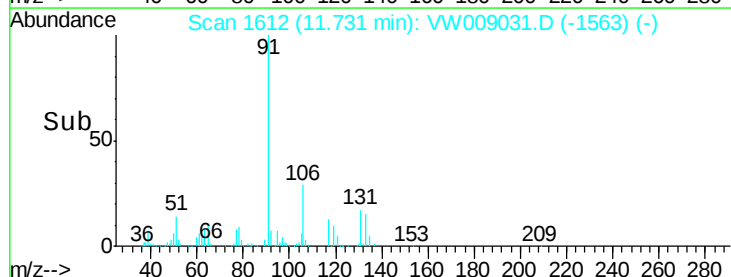
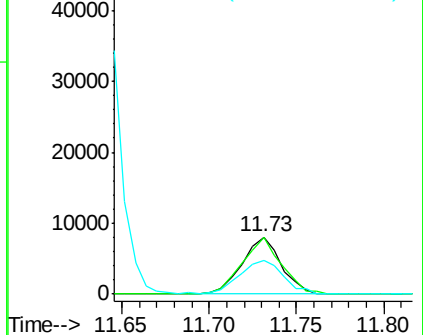
119 67.3 31.3 93.8

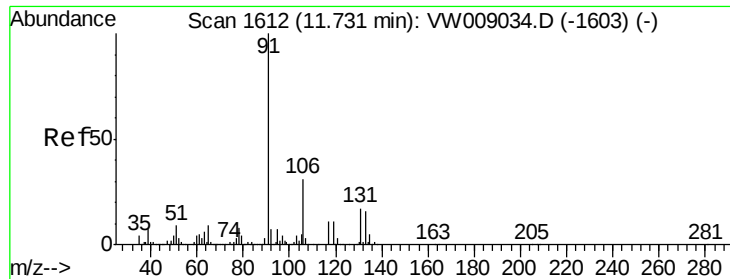


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 4.272 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 67844

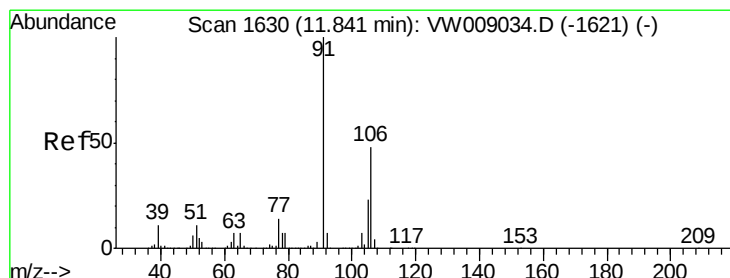
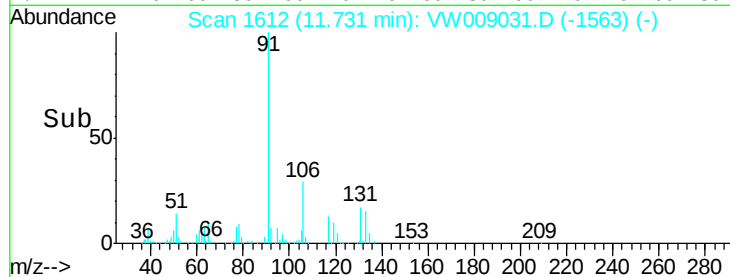
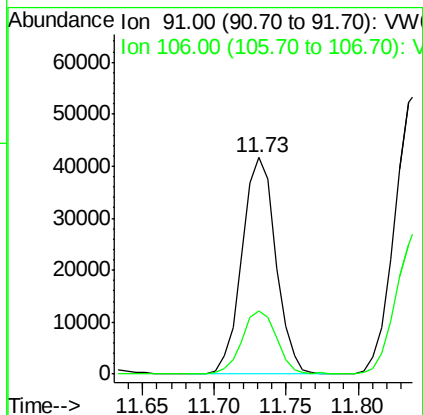
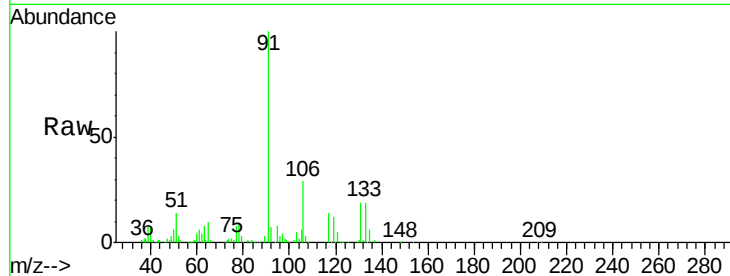
Ion Ratio Lower Upper

91 100

106 29.2 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 8.360 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009031.D

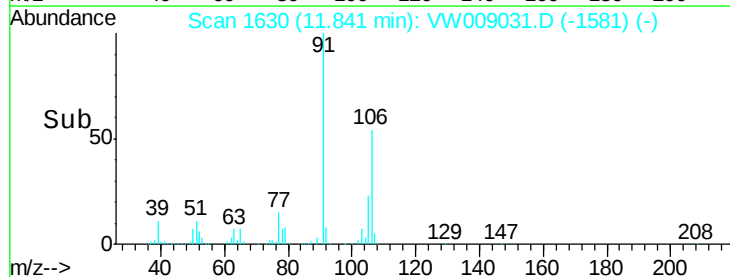
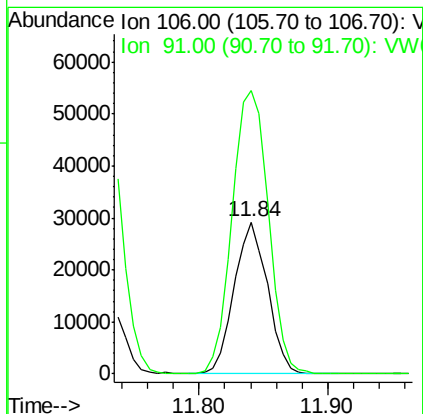
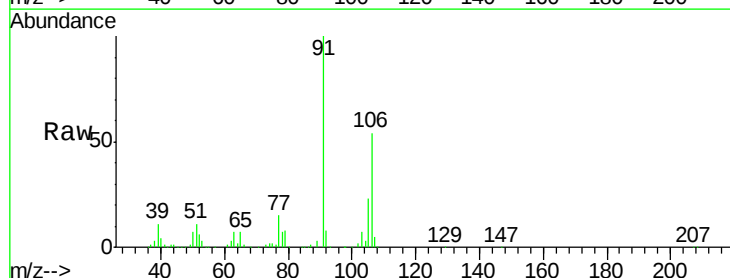
Acq: 07 Mar 2019 10:55

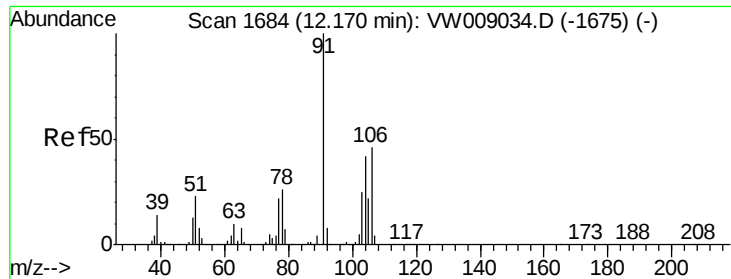
Tgt Ion: 106 Resp: 52470

Ion Ratio Lower Upper

106 100

91 202.3 163.2 244.8





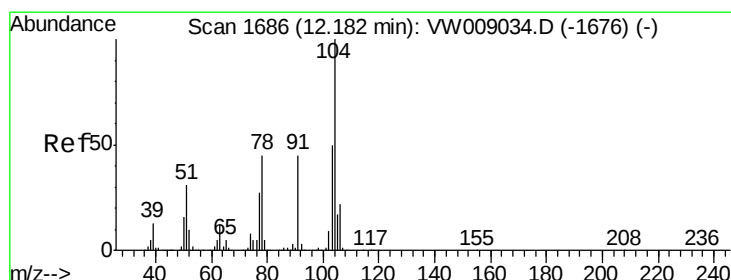
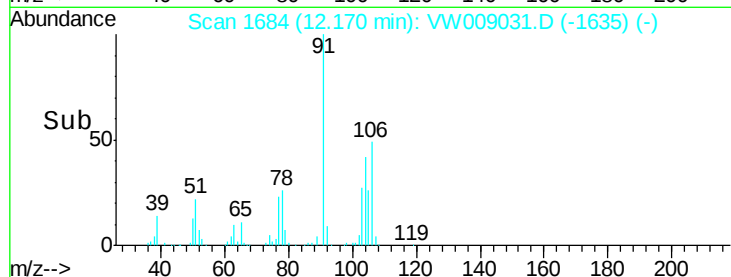
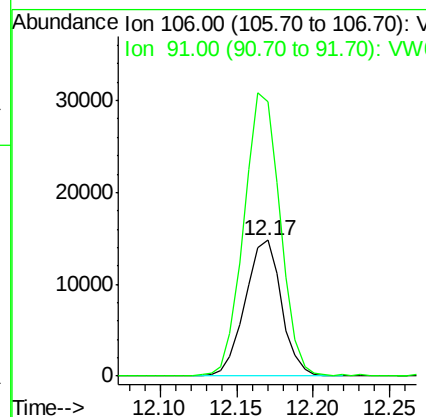
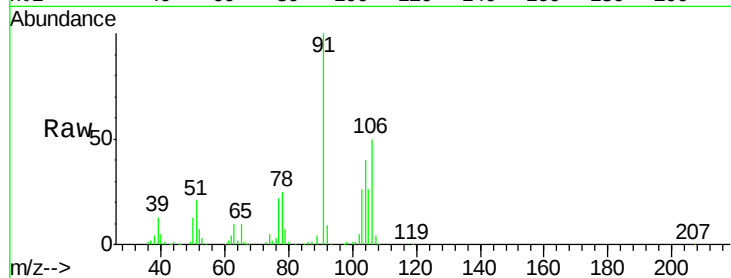
#69
o-Xylene
Concen: 4.174 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.4	108.6	325.6	

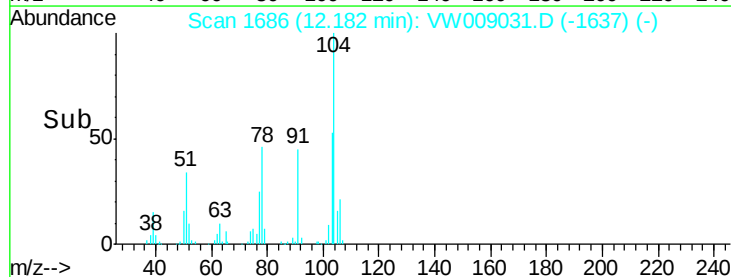
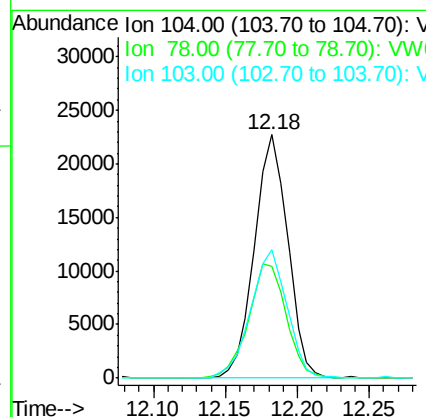
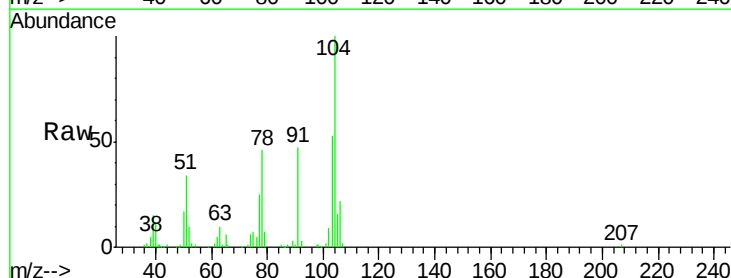
Manual Integrations
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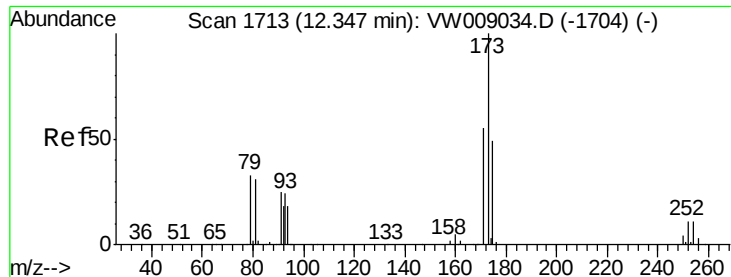
MMDadoda
3/8/2019 12:06:59 PM



#70
Styrene
Concen: 3.818 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.9	42.1	63.1	
103	57.8	43.9	65.9	





#71

Bromoform

Concen: 3.987 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

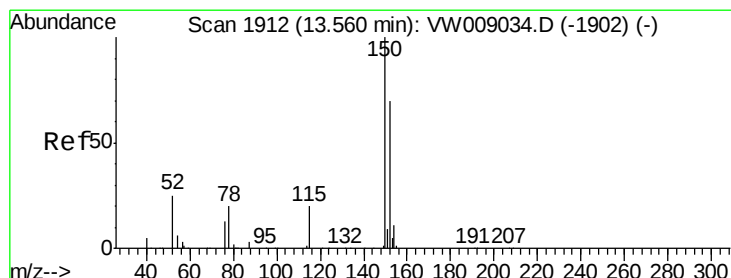
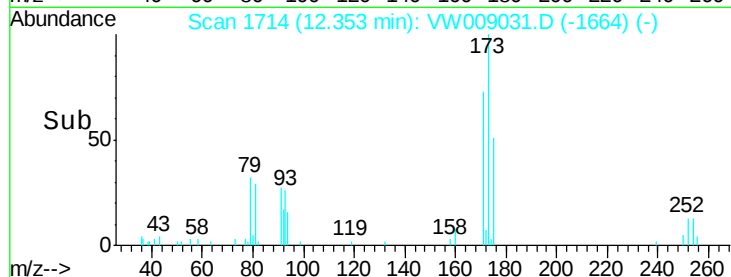
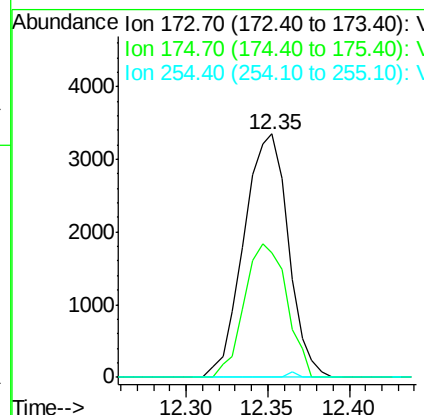
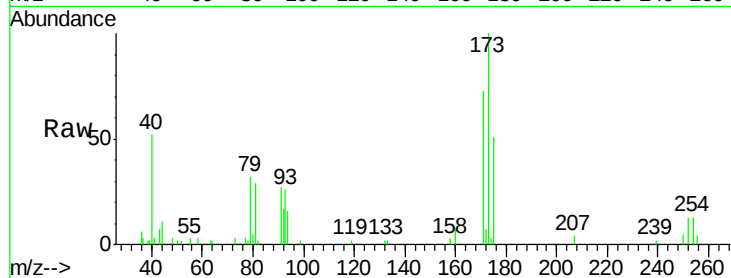
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.2	24.6	74.0
254	0.4	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

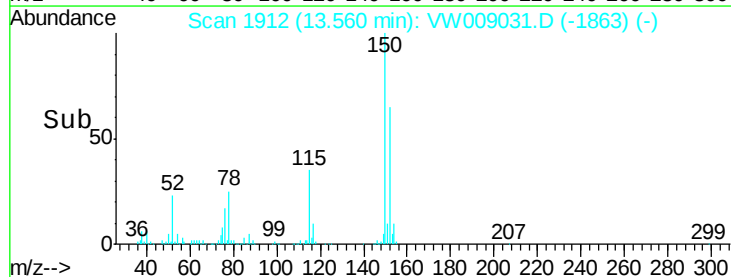
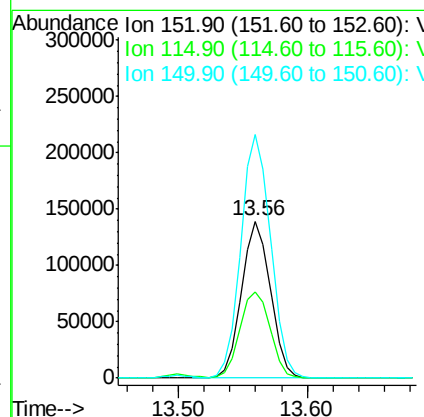
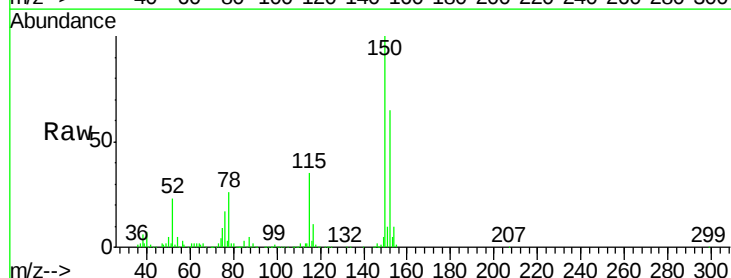
RT: 13.56 min Scan# 1912

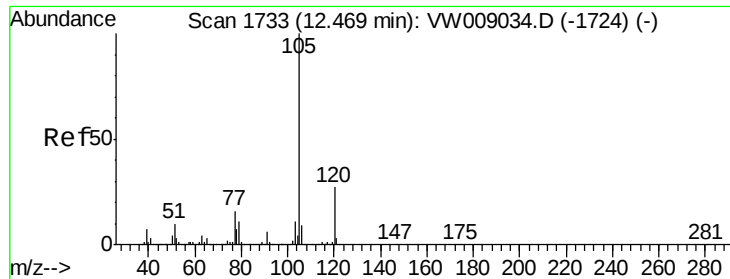
Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.7
150	159.4	0.0	349.2





#73

Isopropylbenzene

Concen: 4.180 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 105 Resp: 64367

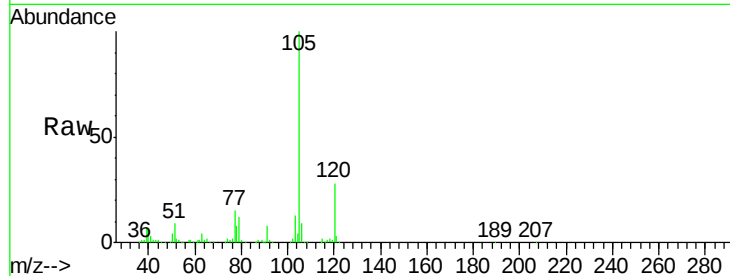
Ion Ratio Lower Upper

105 100

120 27.8 13.2 39.6

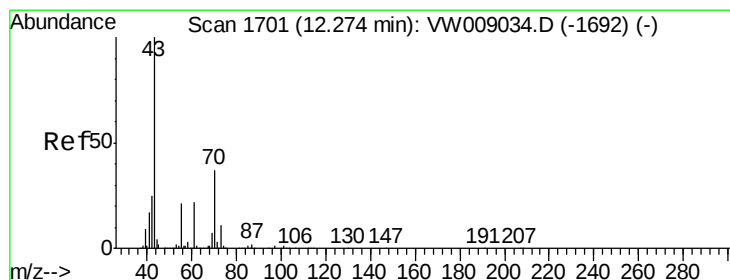
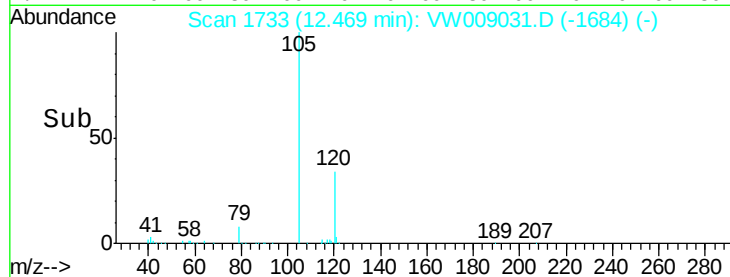
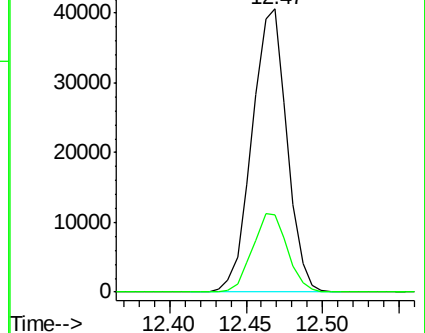
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.099 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion: 43 Resp: 15086

Ion Ratio Lower Upper

43 100

70 36.5 30.8 46.2

55 27.2 17.8 26.8#

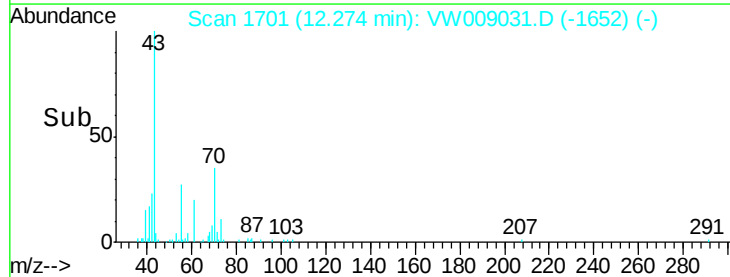
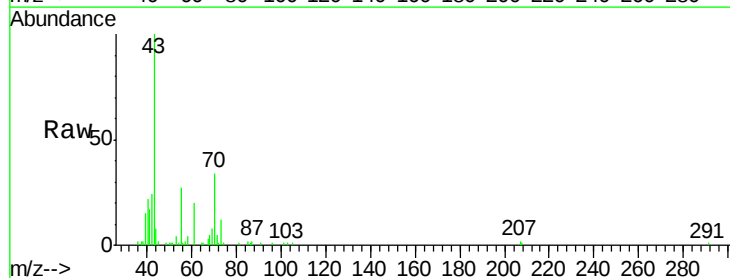
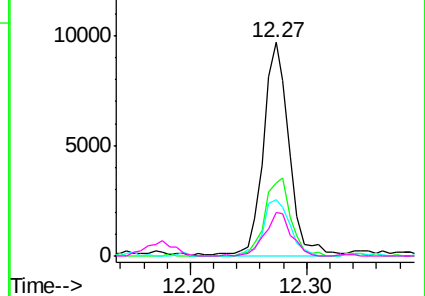
61 20.8 17.4 26.2

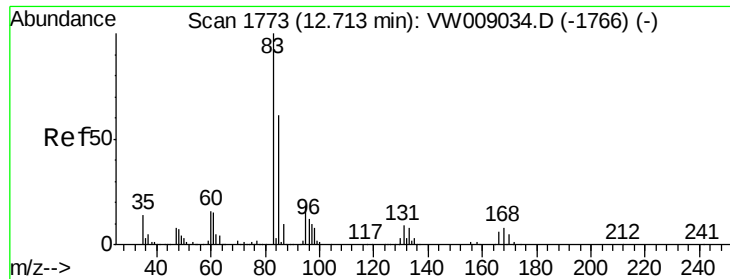
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 4.518 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

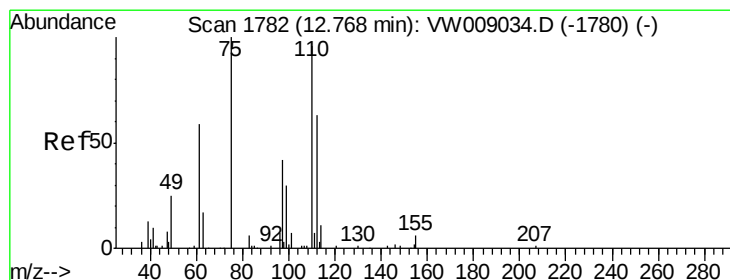
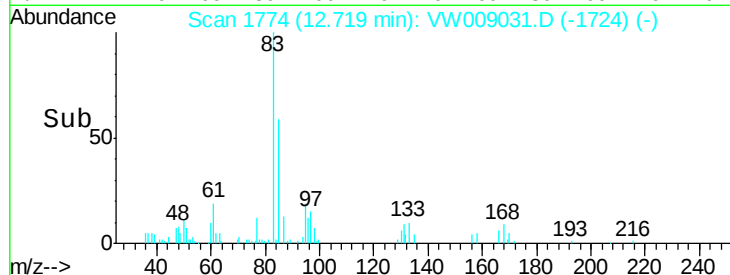
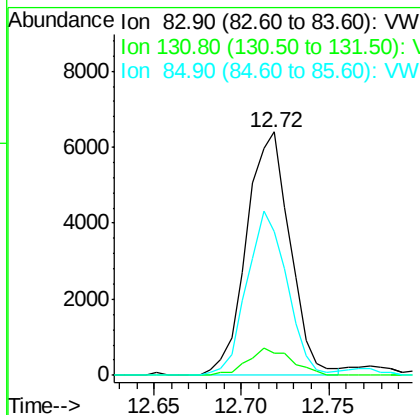
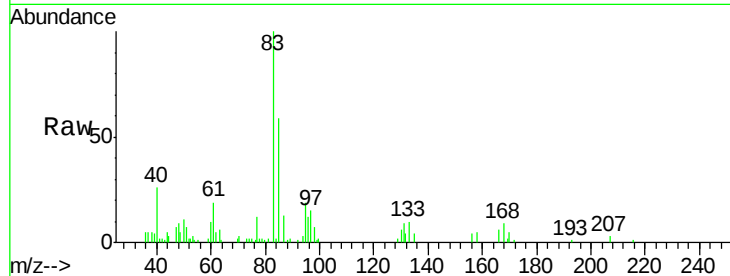
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11065
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.7
85	62.2	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 3.231 ug/l m

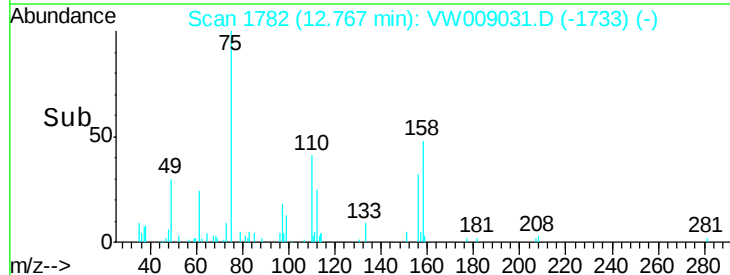
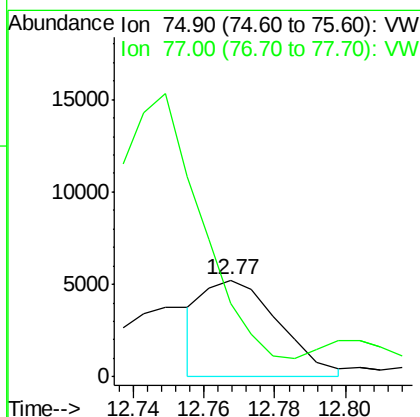
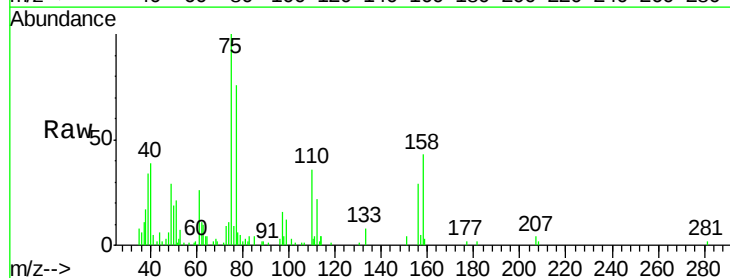
RT: 12.77 min Scan# 1782

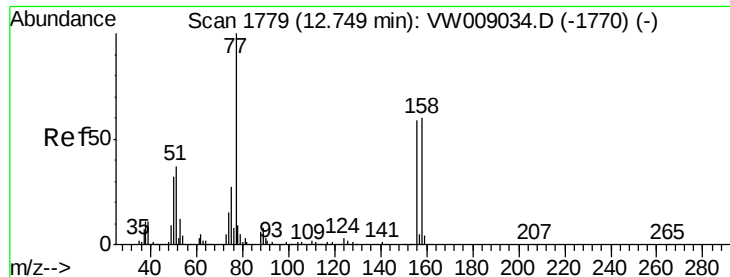
Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion:	75	Resp:	7795
Ion Ratio	Lower	Upper	
75	100		
77	364.1	186.7	560.0





#77

Bromobenzene

Concen: 4.532 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

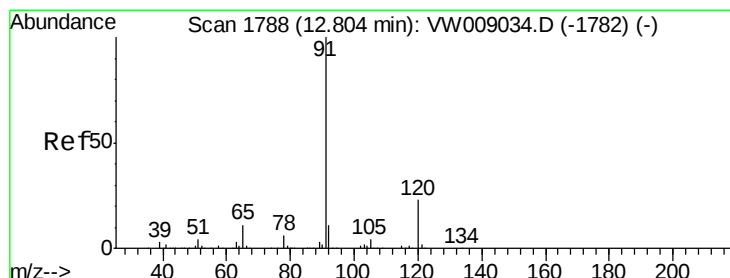
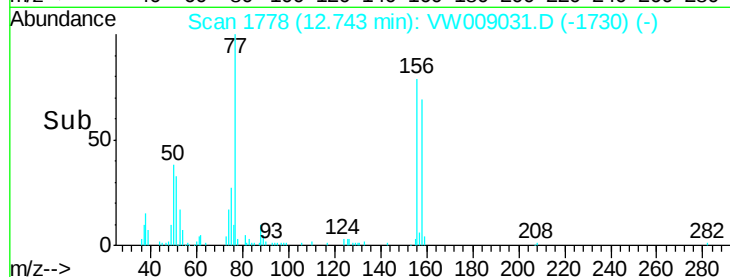
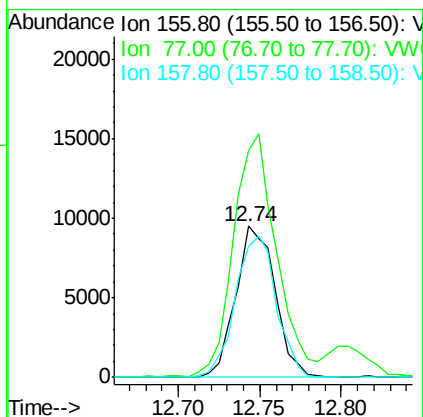
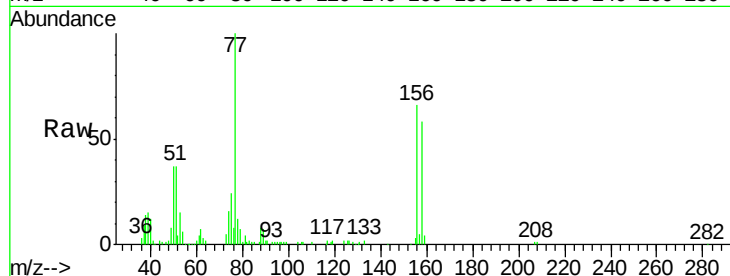
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	15958
Ion Ratio	Lower	Upper	
156	100		
77	177.8	93.0	279.2
158	97.2	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 4.266 ug/l

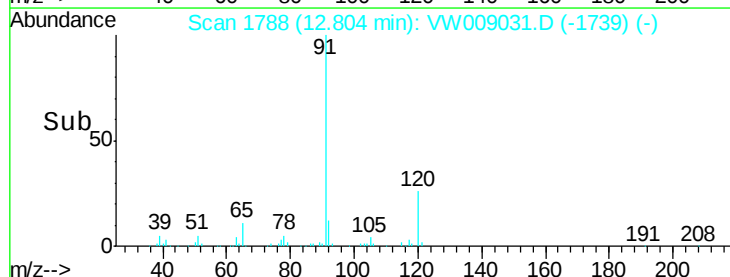
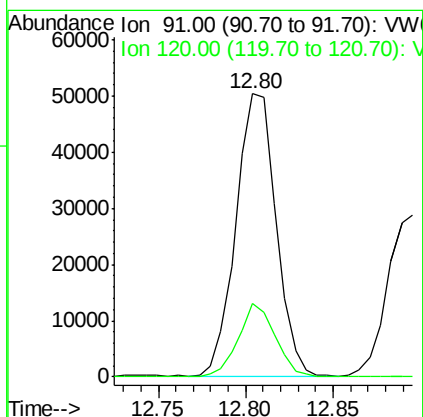
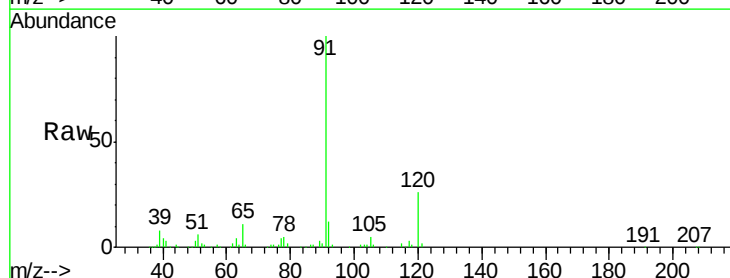
RT: 12.80 min Scan# 1788

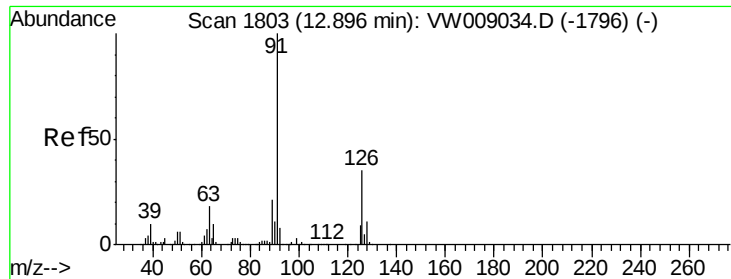
Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion:	91	Resp:	80640
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.4	34.2





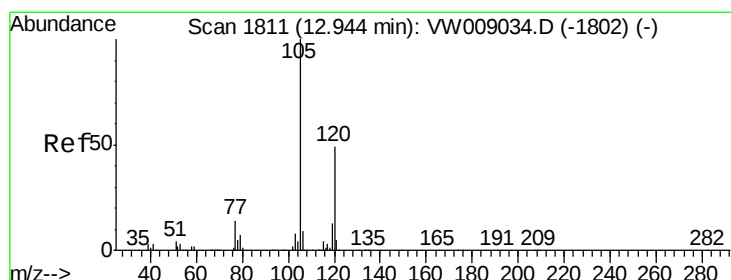
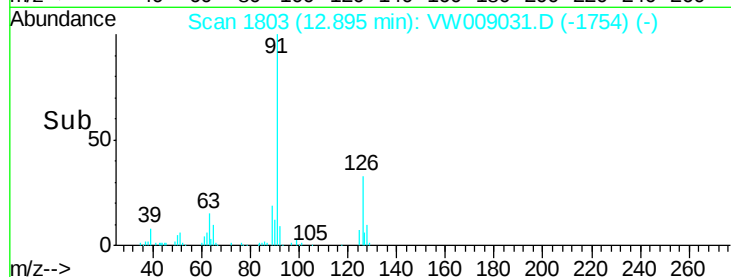
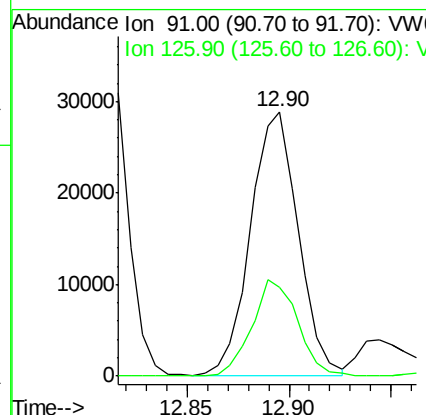
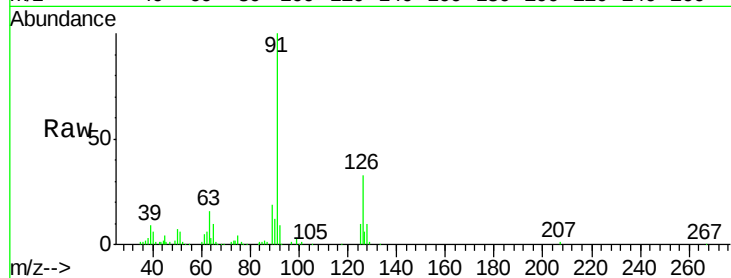
#79
 2-Chlorotoluene
 Concen: 4.405 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 46784
 Ion Ratio Lower Upper
 91 100
 126 34.9 16.8 50.4

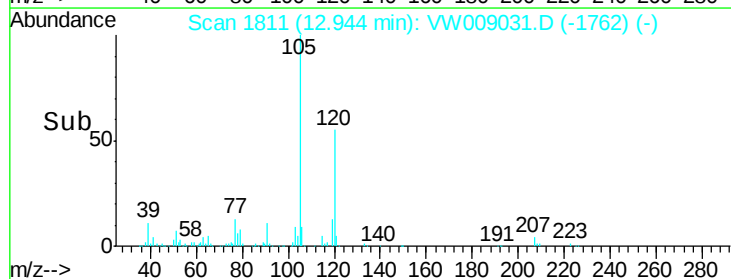
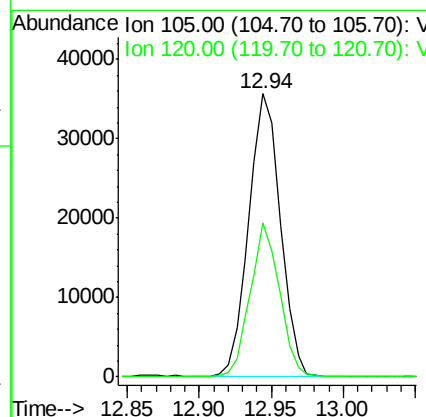
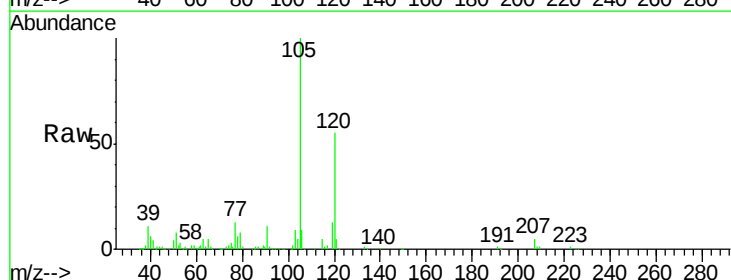
Manual Integrations
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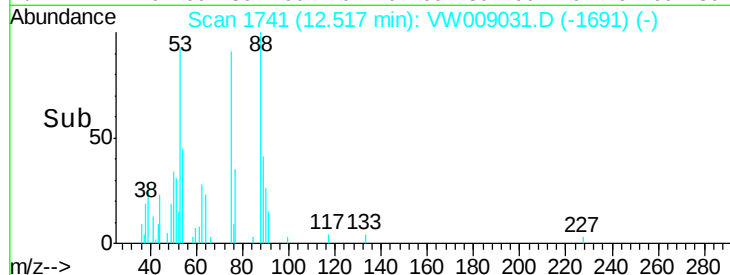
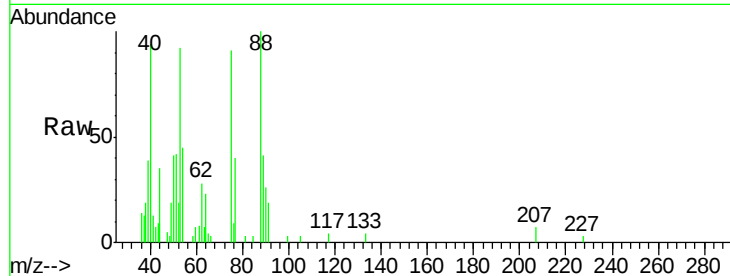
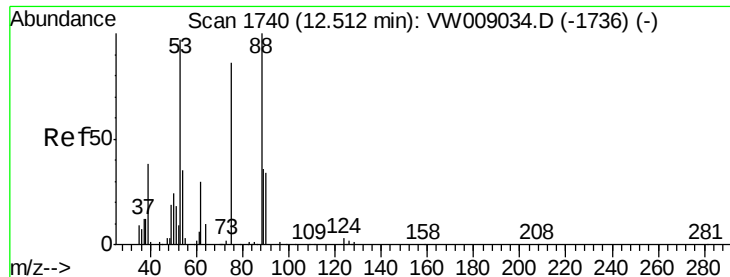
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 3/8/2019 12:06:59 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.107 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion: 105 Resp: 54499
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.4 73.2





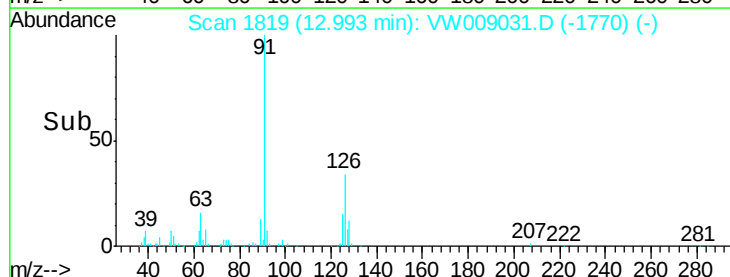
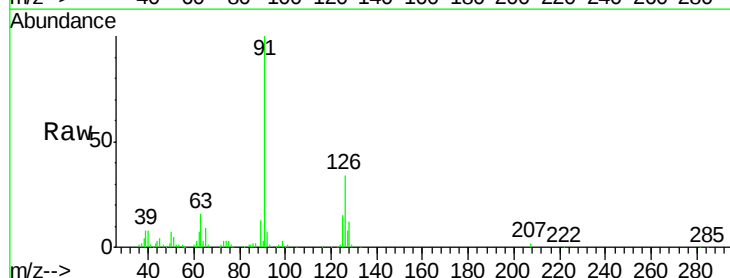
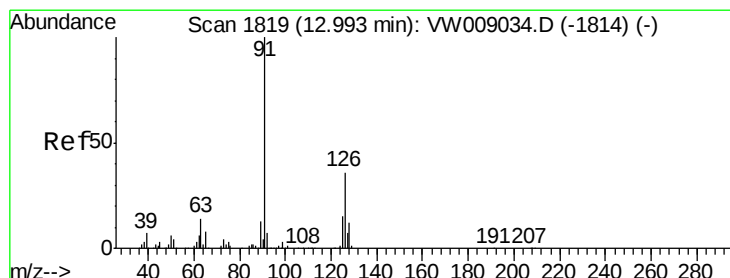
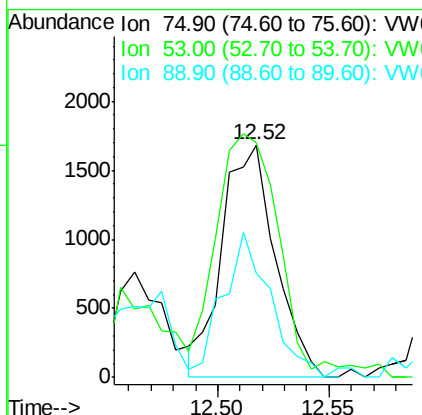
#81
trans-1,4-Dichloro-2-butene
Concen: 3.681 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.0	90.5	135.7
89	55.7	37.5	56.3

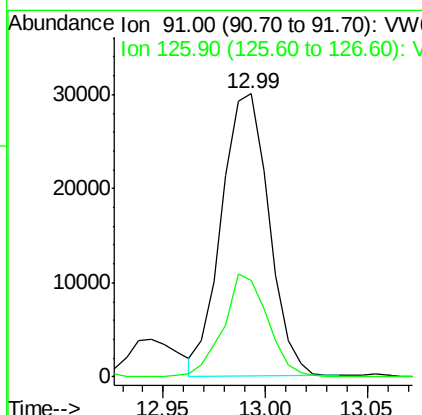
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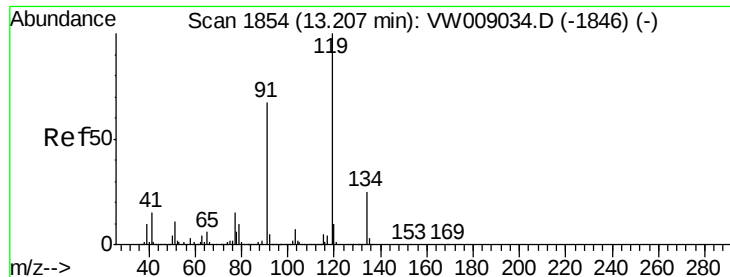
MMDadoda
3/8/2019 12:06:59 PM



#82
4-Chlorotoluene
Concen: 4.269 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.6	49.8





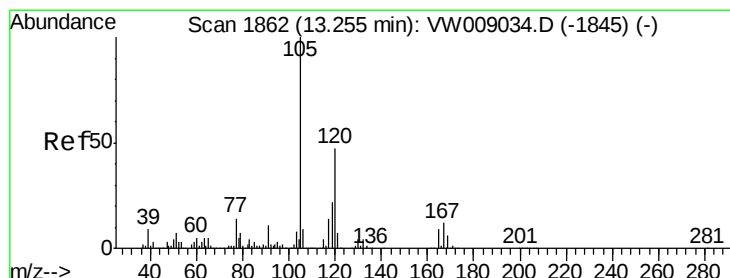
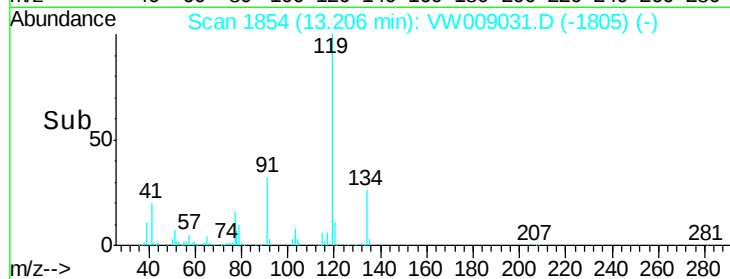
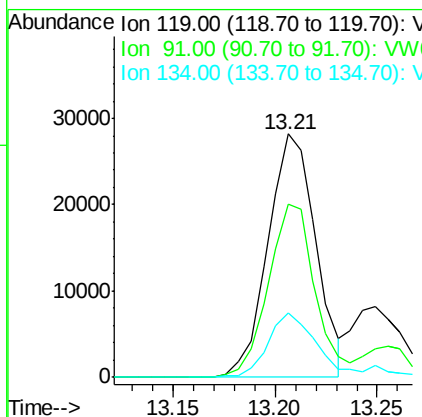
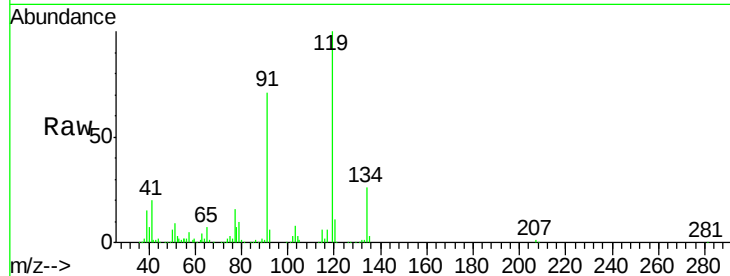
#83
tert-Butylbenzene
Concen: 4.146 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	34.2	102.5
134	26.5	13.9	41.6

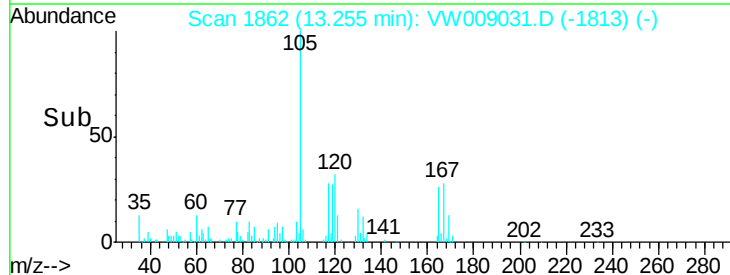
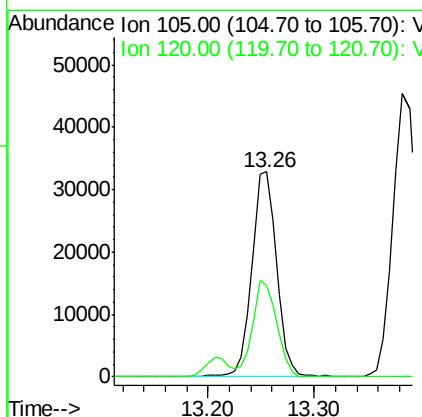
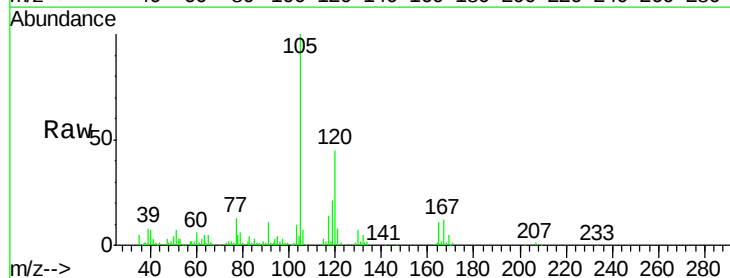
Manual Integrations
APPROVED

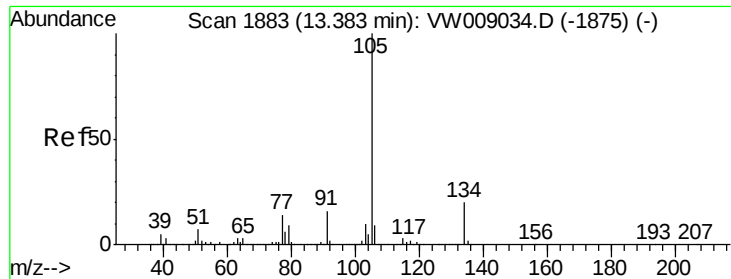
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.030 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.8	68.4





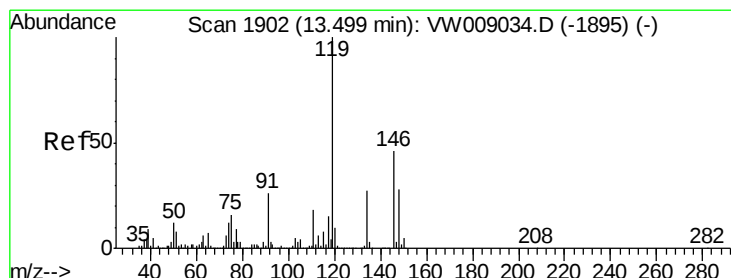
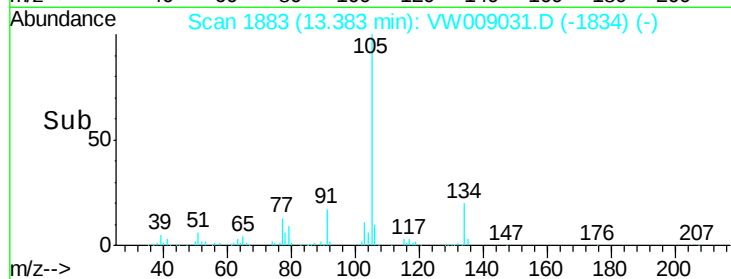
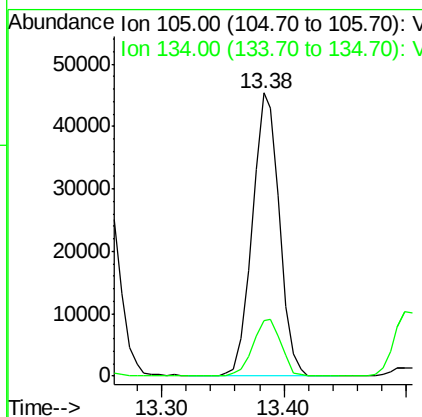
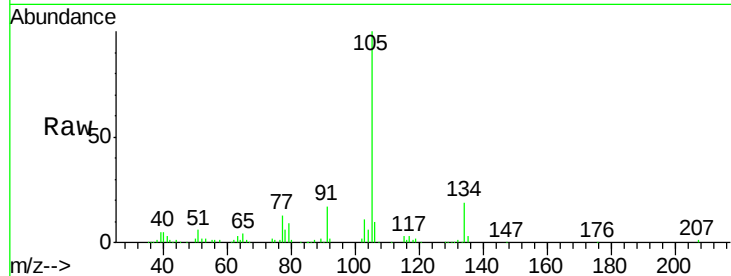
#85
 sec-Butylbenzene
 Concen: 4.247 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.0	30.0

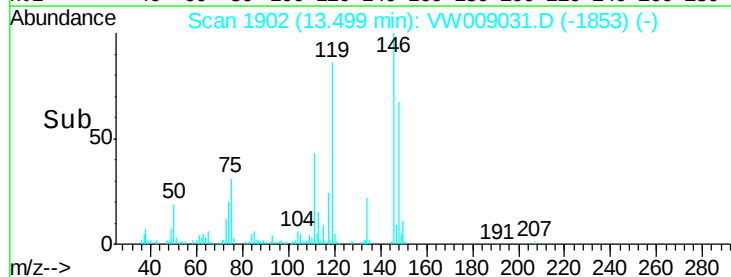
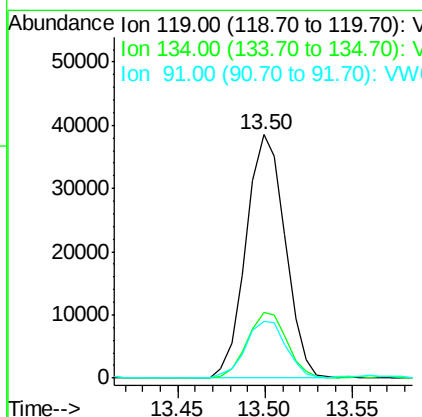
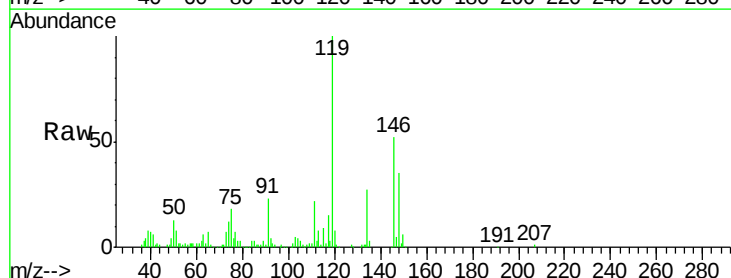
Manual Integrations
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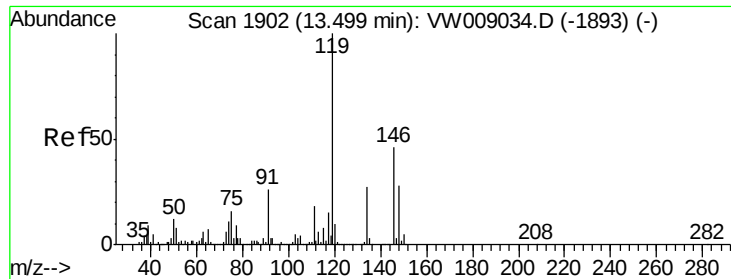
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#86
 p-Isopropyltoluene
 Concen: 4.048 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.3	39.9
91	24.5	12.3	36.9





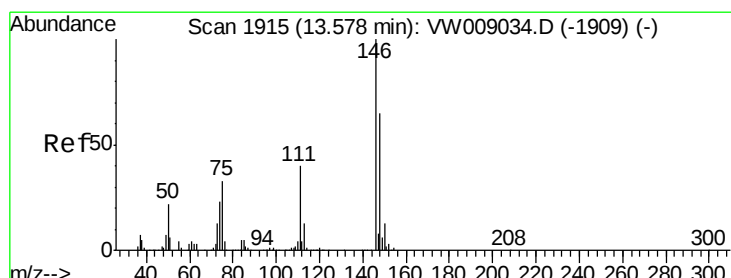
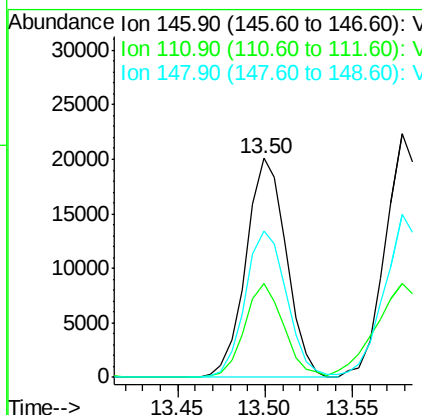
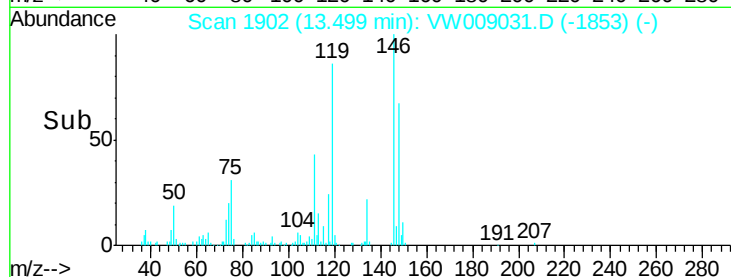
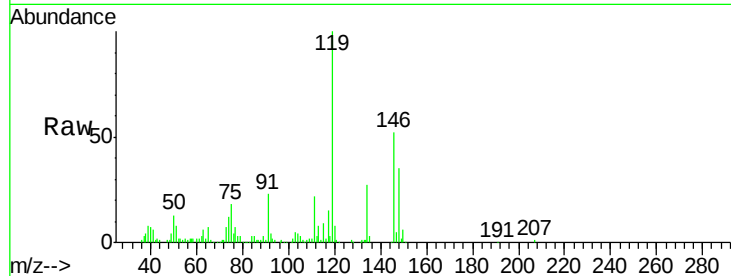
#87
 1,3-Dichlorobenzene
 Concen: 4.369 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.8	59.4
148	68.8	31.6	94.8

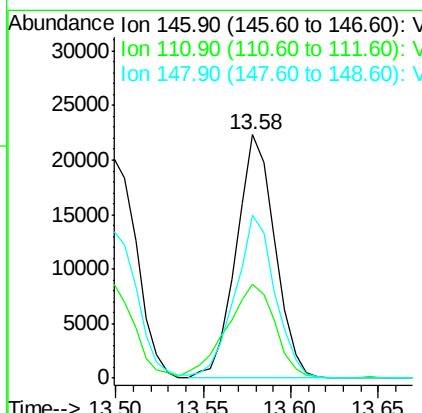
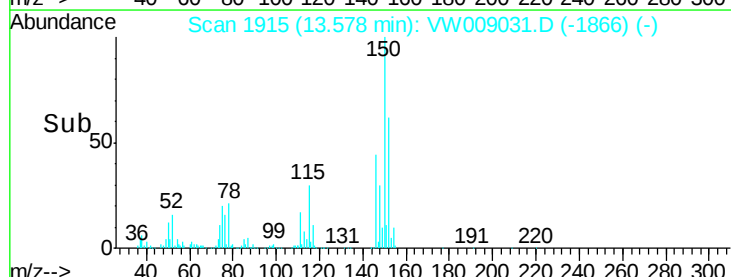
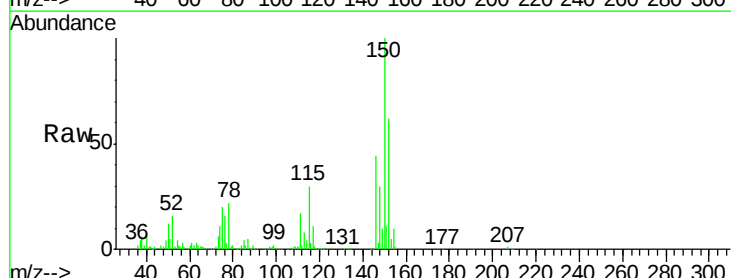
Manual Integrations
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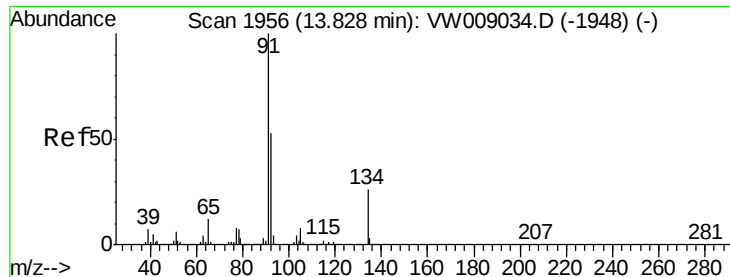
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#88
 1,4-Dichlorobenzene
 Concen: 4.704 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.3	19.7	59.0
148	69.2	32.2	96.6





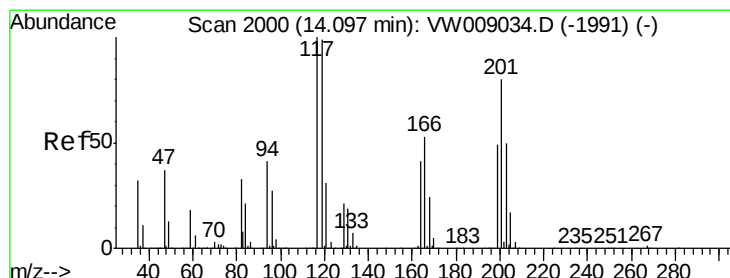
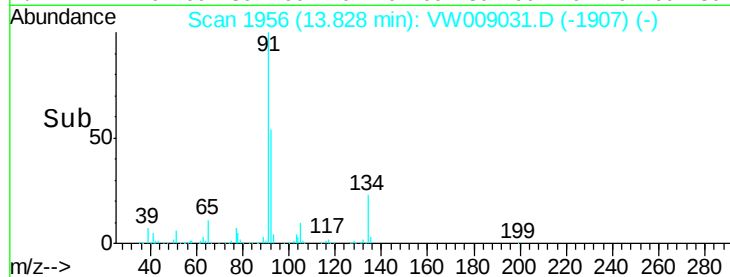
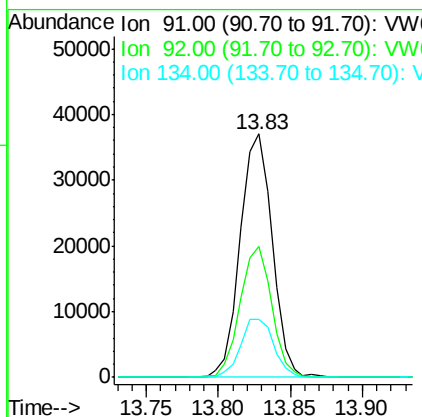
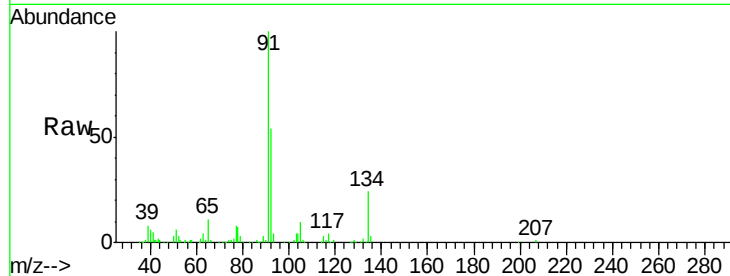
#89
n-Butylbenzene
Concen: 4.064 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.3
134	24.9	12.9	38.7

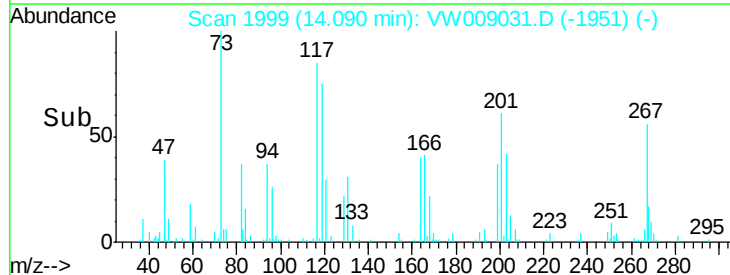
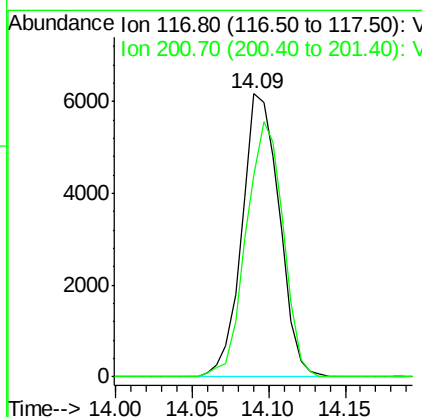
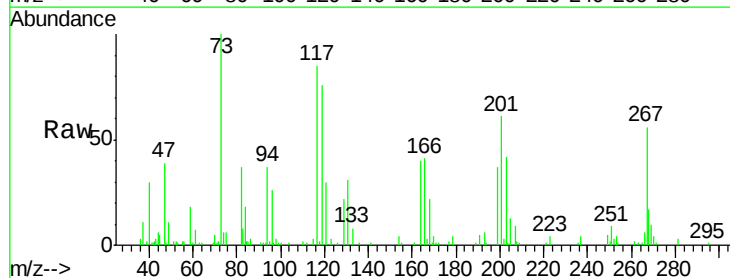
Manual Integrations
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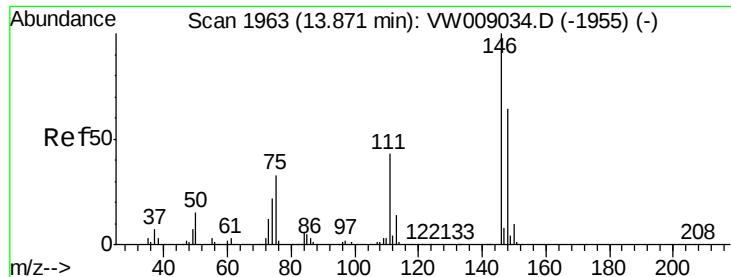
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#90
Hexachloroethane
Concen: 4.111 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.3	39.1	117.5





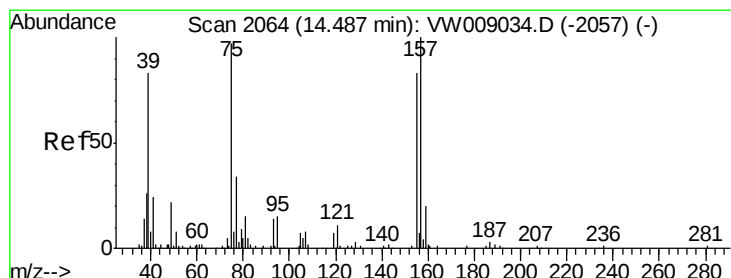
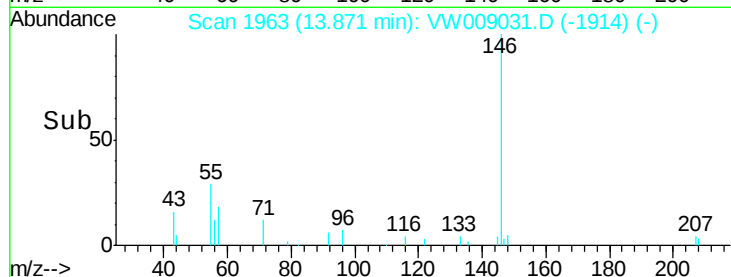
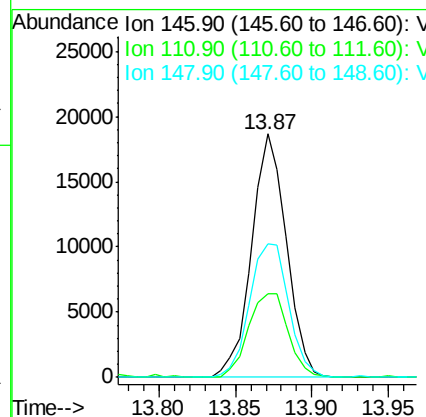
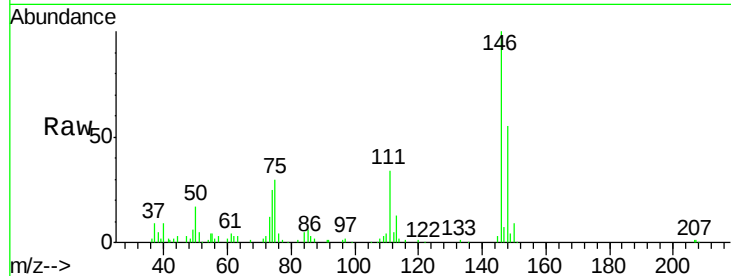
#91
 1,2-Dichlorobenzene
 Concen: 4.565 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.1	63.1
148	62.2	32.3	96.9

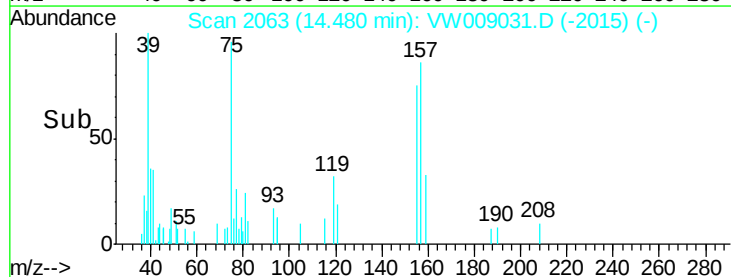
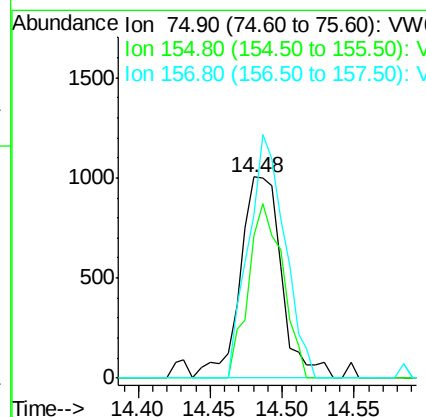
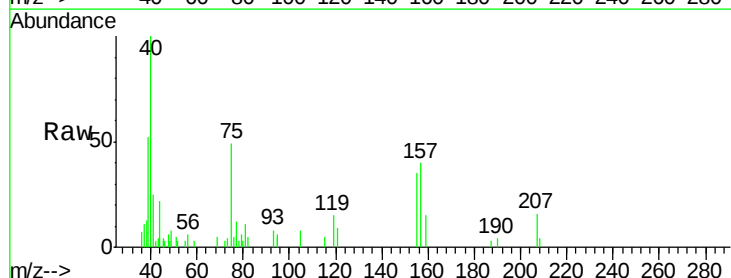
Manual Integrations
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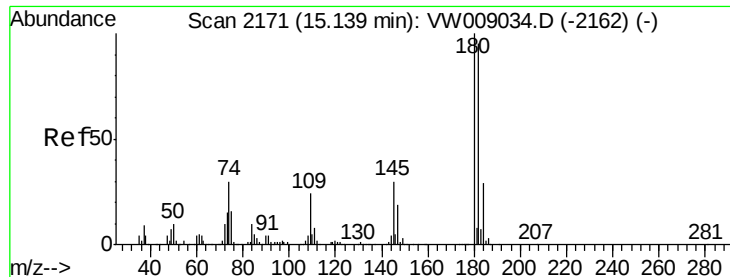
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.390 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.0	40.8	122.4
157	106.3	52.4	157.3





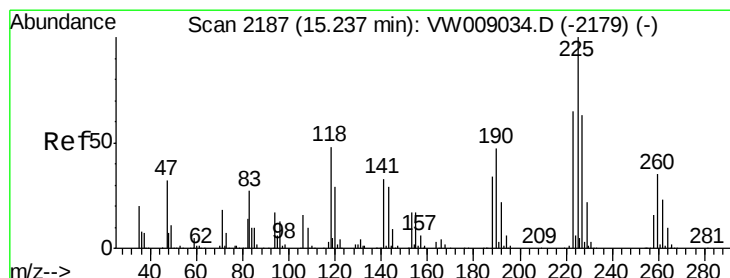
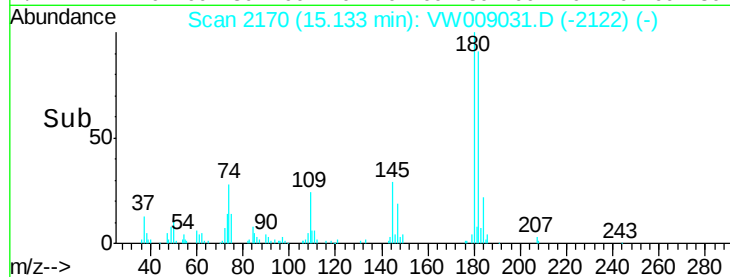
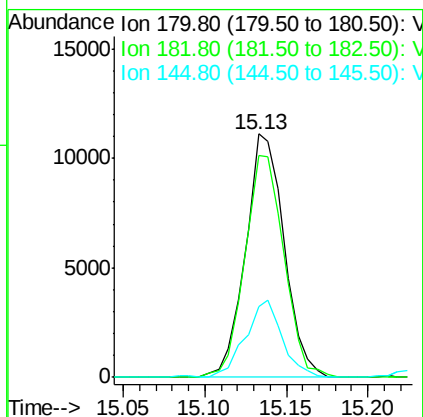
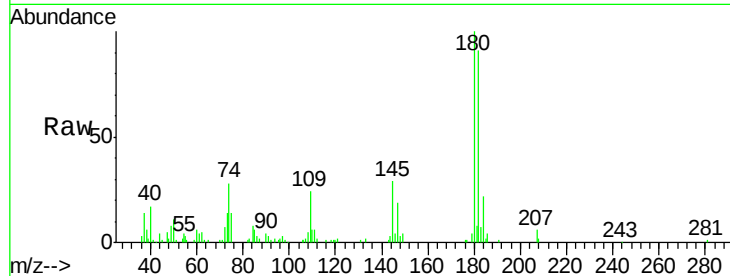
#93
 1,2,4-Trichlorobenzene
 Concen: 4.150 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	18353		
182	92.2	48.1	144.3	
145	30.4	15.4	46.1	

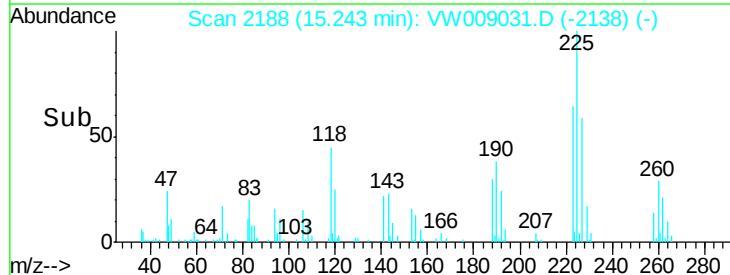
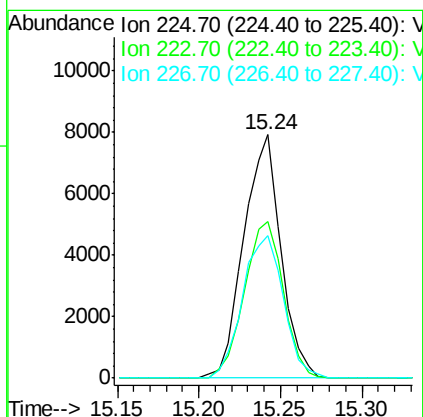
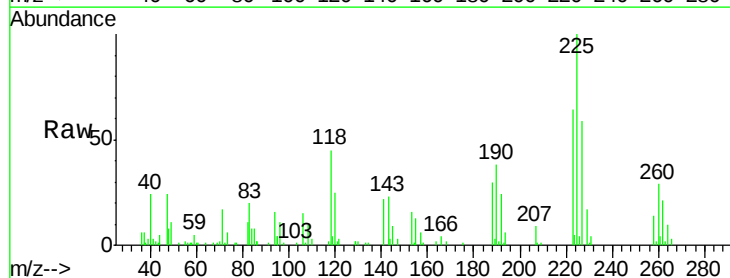
Manual Integrations
 APPROVED

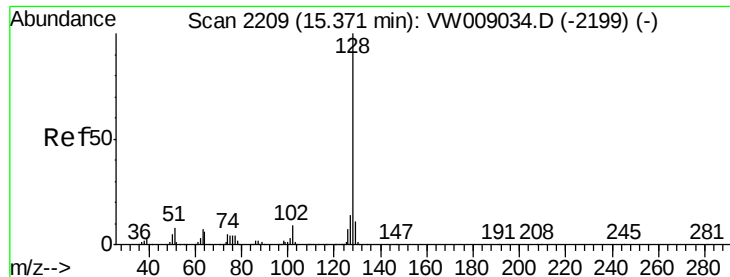
MMDadoda
 3/8/2019 12:06:59 PM



#94
 Hexachlorobutadiene
 Concen: 4.548 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12570		
223	67.3	31.6	94.8	
227	64.2	32.0	96.2	





#95

Naphthalene

Concen: 3.314 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

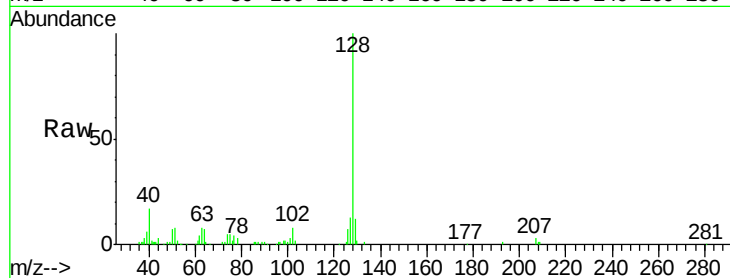
ClientSampleId :

VSTDIC005

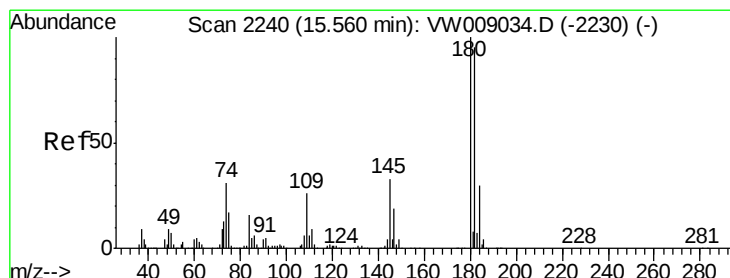
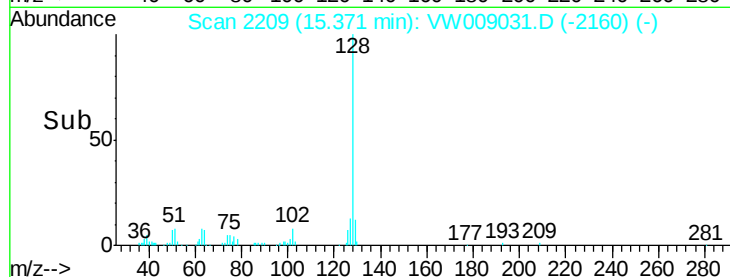
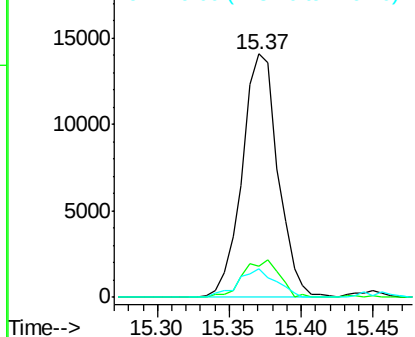
Tot Ion:	128	Resp:	24277
Ion Ratio	Lower	Upper	
128	100		
127	15.5	11.0	16.6
129	12.3	8.8	13.2

Manual Integrations
APPROVED

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3/8/2019 12:06:59 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: 3.941 ug/l

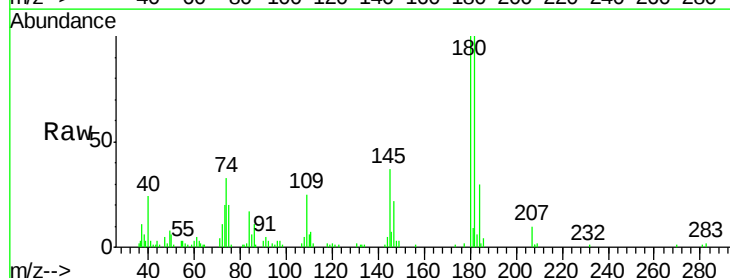
RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion:	180	Resp:	15303
Ion Ratio	Lower	Upper	
180	100		
182	99.2	48.1	144.3
145	33.4	15.8	47.3



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

