

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008476.D
 Acq On : 01 Feb 2019 12:45
 Operator : SY/VA
 Sample : VW0201SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBSD01

Manual Integrations
 APPROVED

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 2/4/2019 4:32:22 PM

Quant Time: Feb 02 01:34:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	430561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	658660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	580028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	299675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	210501	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	7.88	113	206523	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
50) Toluene-d8	10.32	98	783378	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.62	95	290909	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	39497	18.094	ug/l	95
3) Chloromethane	2.21	50	53521	15.228	ug/l	96
4) Vinyl Chloride	2.37	62	73339	16.392	ug/l	96
5) Bromomethane	2.78	94	64340	22.296	ug/l	96
6) Chloroethane	2.92	64	55178	20.166	ug/l	99
7) Trichlorofluoromethane	3.25	101	60633	18.834	ug/l	95
8) Diethyl Ether	3.67	74	38485	17.923	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70274	18.046	ug/l	96
10) Methyl Iodide	4.26	142	114786	18.661	ug/l	99
11) Tert butyl alcohol	5.20	59	28300	83.100	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	69640	17.670	ug/l	95
13) Acrolein	3.89	56	30195	102.997	ug/l	99
14) Allyl chloride	4.66	41	119669	15.991	ug/l	96
15) Acrylonitrile	5.37	53	82052	88.496	ug/l	98
16) Acetone	4.13	43	82525	86.880	ug/l	96
17) Carbon Disulfide	4.37	76	210883	16.754	ug/l	100
18) Methyl Acetate	4.67	43	42472	16.764	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	123040	18.870	ug/l	91
20) Methylene Chloride	4.91	84	80223	18.324	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	78147	17.638	ug/l	94
22) Diisopropyl ether	6.31	45	231362	16.312	ug/l	98
23) Vinyl Acetate	6.25	43	703538	84.006	ug/l	98
24) 1,1-Dichloroethane	6.21	63	134445	16.746	ug/l	98
25) 2-Butanone	7.17	43	117375	88.963	ug/l	98
26) 2,2-Dichloropropane	7.16	77	95959	17.683	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	84585	17.517	ug/l	98
28) Bromochloromethane	7.51	49	64984	17.623	ug/l	94
29) Tetrahydrofuran	7.53	42	73634	88.070	ug/l	97
30) Chloroform	7.67	83	137430	17.404	ug/l	97
31) Cyclohexane	7.95	56	133694	16.105	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	121460	17.808	ug/l	98
36) 1,1-Dichloropropene	8.08	75	111620	17.940	ug/l	99
37) Ethyl Acetate	7.26	43	50630	18.393	ug/l	99
38) Carbon Tetrachloride	8.06	117	117561	18.777	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	143490	17.556	ug/l	99
40) Benzene	8.32	78	303441	17.576	ug/l	98
41) Methacrylonitrile	7.48	41	28608	17.552	ug/l	92
42) 1,2-Dichloroethane	8.40	62	90866	18.161	ug/l	99
43) Isopropyl Acetate	8.42	43	103210	18.048	ug/l	99
44) Trichloroethene	9.09	130	86281	18.378	ug/l	99
45) 1,2-Dichloropropane	9.37	63	74358	17.274	ug/l	97
46) Dibromomethane	9.46	93	40129	18.124	ug/l	95
47) Bromodichloromethane	9.64	83	103778	17.721	ug/l	98
48) Methyl methacrylate	9.43	41	48583	17.374	ug/l	98
49) 1,4-Dioxane	9.46	88	13032	348.218	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	251931	89.171	ug/l	98
52) Toluene	10.38	92	196382	17.231	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	108757	17.453	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	124075	17.545	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	56301	18.333	ug/l	99
56) Ethyl methacrylate	10.65	69	75950	17.650	ug/l	95
57) 1,3-Dichloropropane	10.93	76	99010	17.996	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	210420	100.640	ug/l	96
59) 2-Hexanone	10.97	43	180169	90.332	ug/l	99
60) Dibromochloromethane	11.13	129	71031	17.998	ug/l	100
61) 1,2-Dibromoethane	11.24	107	55582	18.253	ug/l	98
64) Tetrachloroethene	10.86	164	75435	19.209	ug/l	98
65) Chlorobenzene	11.66	112	214166	18.088	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	77961	18.403	ug/l	98
67) Ethyl Benzene	11.73	91	383725	17.631	ug/l	98
68) m/p-Xylenes	11.84	106	301479	35.701	ug/l	97
69) o-Xylene	12.16	106	142423	17.750	ug/l	97
70) Styrene	12.18	104	228273	17.224	ug/l	98
71) Bromoform	12.35	173	45566	19.117	ug/l #	95
73) Isopropylbenzene	12.46	105	391984	17.545	ug/l	99
74) N-amyl acetate	12.27	43	97568	16.952	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	66111	18.691	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	47055m	18.060	ug/l	
77) Bromobenzene	12.75	156	89606	18.365	ug/l	94
78) n-propylbenzene	12.80	91	462690	17.243	ug/l	98
79) 2-Chlorotoluene	12.90	91	263485	17.401	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	323151	17.305	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	22478	17.040	ug/l	94
82) 4-Chlorotoluene	12.99	91	272721	16.917	ug/l	97
83) tert-Butylbenzene	13.21	119	283480	17.059	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	327475	17.253	ug/l	99
85) sec-Butylbenzene	13.38	105	414029	17.446	ug/l	99
86) p-Isopropyltoluene	13.50	119	370100	17.804	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	179545	18.221	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	180637	18.446	ug/l	99
89) n-Butylbenzene	13.83	91	349740	17.135	ug/l	99
90) Hexachloroethane	14.10	117	70645	17.378	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	159592	18.304	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11944	17.797	ug/l	96

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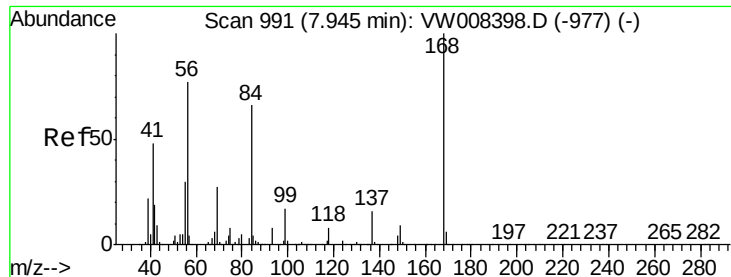
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	121093	19.462	ug/l	99
94) Hexachlorobutadiene	15.24	225	72857	19.430	ug/l	98
95) Naphthalene	15.37	128	214096	19.597	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	104182	19.739	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBSD01

Tot Ion:168 Resp: 430561

Ion Ratio Lower Upper

168 100

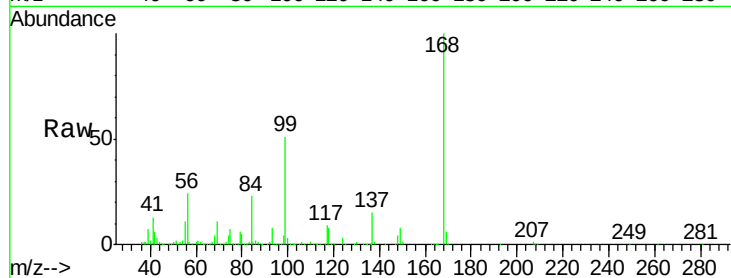
99 51.4 45.5 68.3

Manual Integrations

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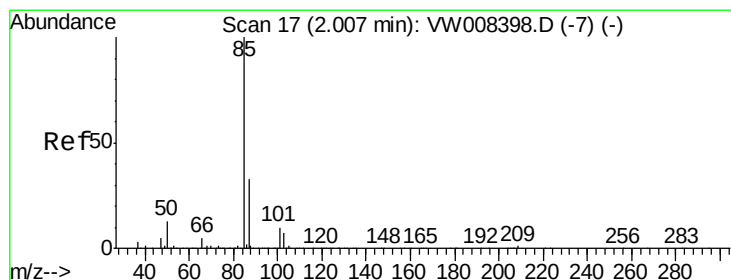
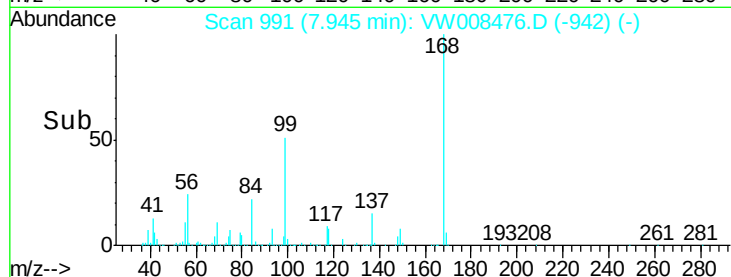
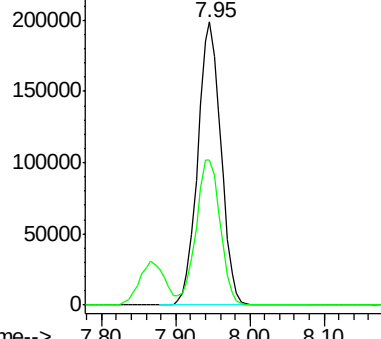
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.094 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008476.D

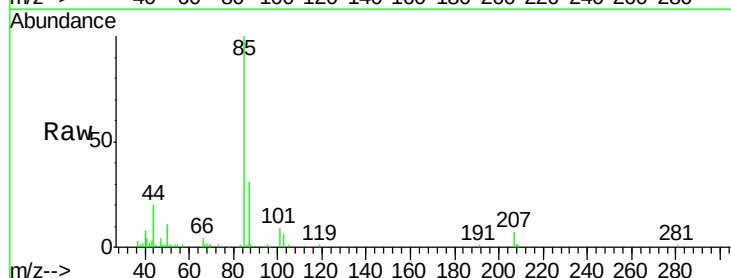
Acq: 01 Feb 2019 12:45

Tgt Ion: 85 Resp: 39497

Ion Ratio Lower Upper

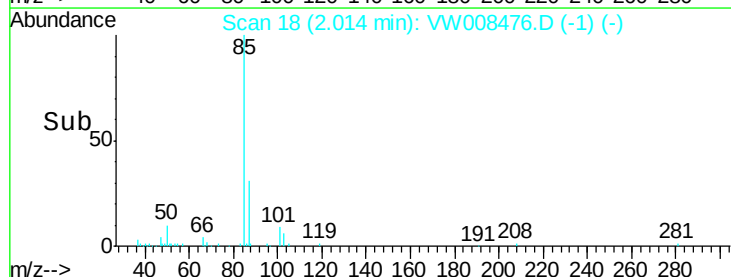
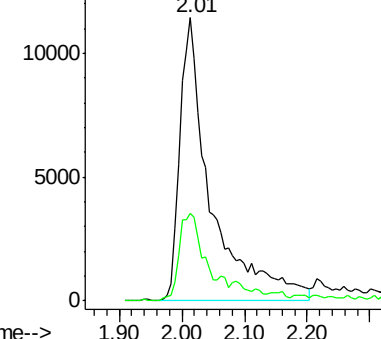
85 100

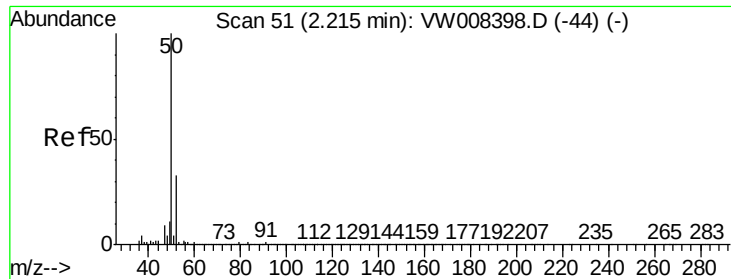
87 30.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 15.228 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBSD01

Tot Ion: 50 Resp: 53521

Ion Ratio Lower Upper

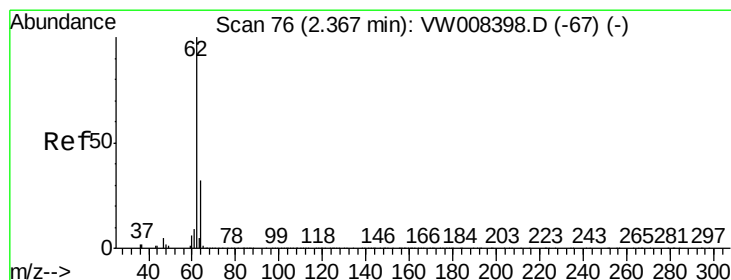
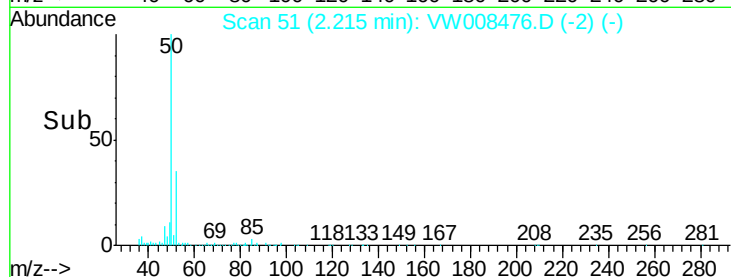
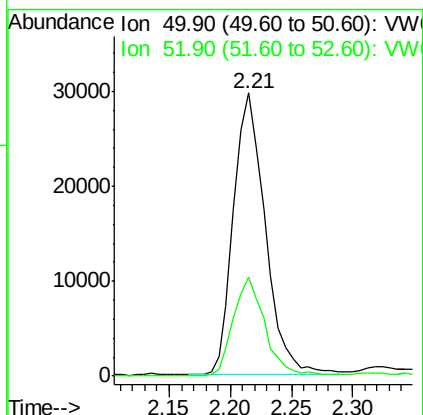
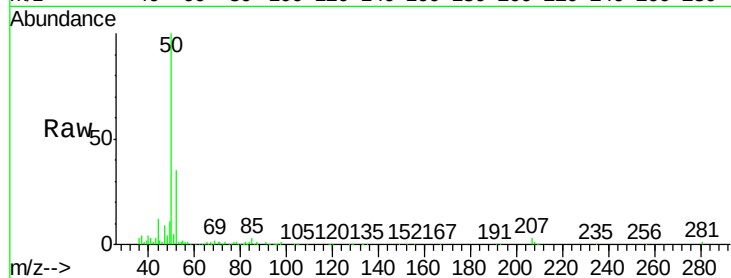
50 100

52 35.3 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.392 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008476.D

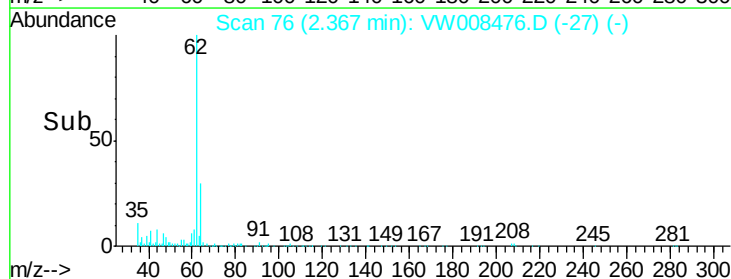
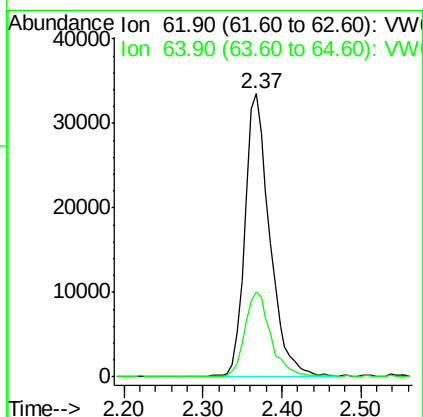
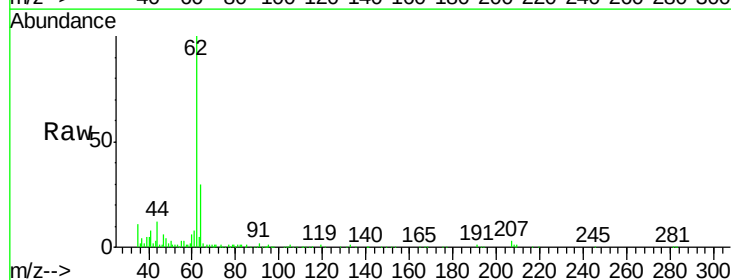
Acq: 01 Feb 2019 12:45

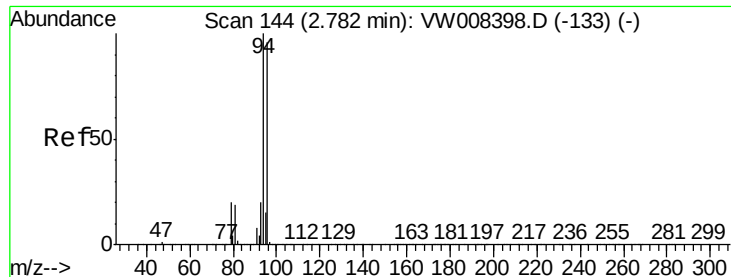
Tgt Ion: 62 Resp: 73339

Ion Ratio Lower Upper

62 100

64 29.7 25.5 38.3





#5

Bromomethane

Concen: 22.296 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBSD01

Tot Ion: 94 Resp: 64340

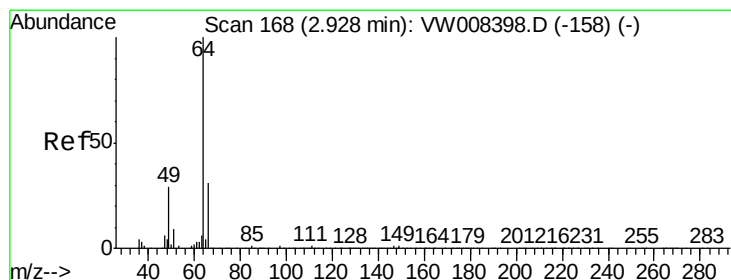
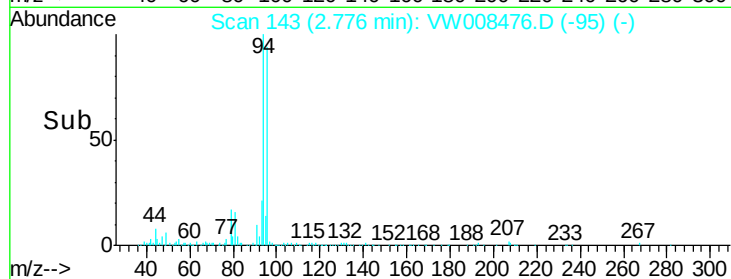
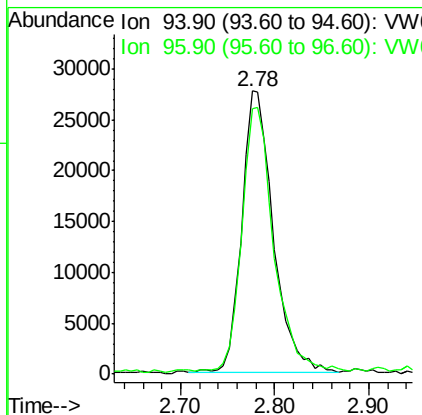
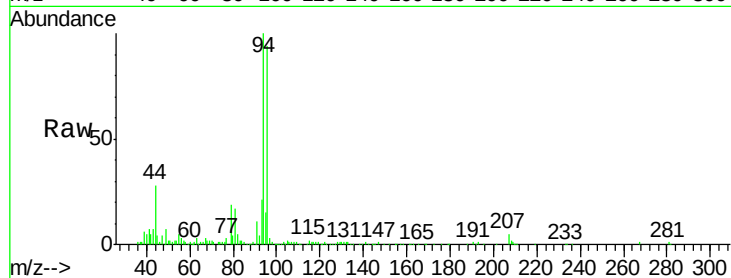
Ion Ratio Lower Upper

94 100

96 92.8 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 20.166 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008476.D

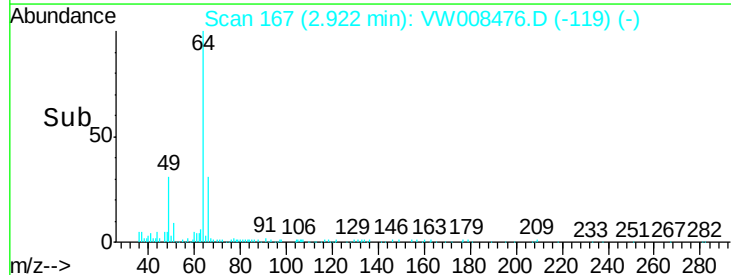
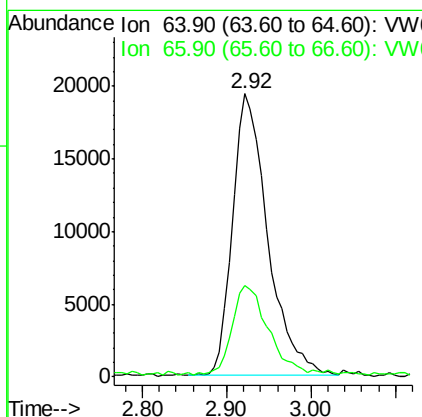
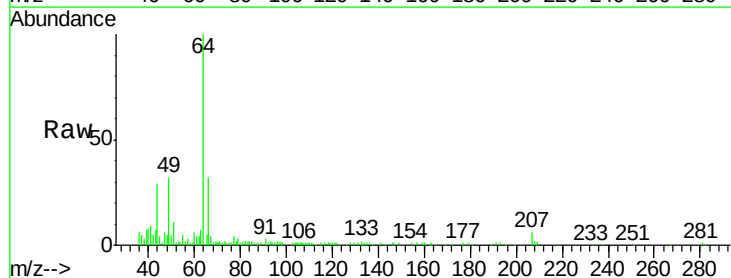
Acq: 01 Feb 2019 12:45

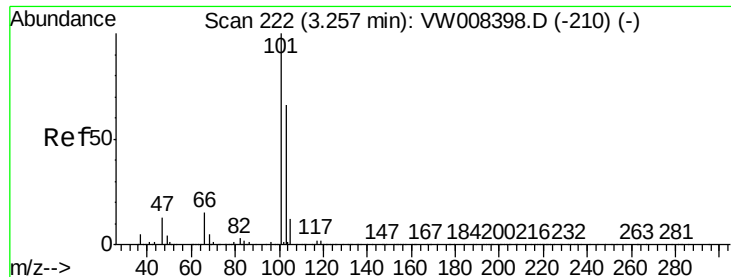
Tgt Ion: 64 Resp: 55178

Ion Ratio Lower Upper

64 100

66 31.5 24.9 37.3





#7

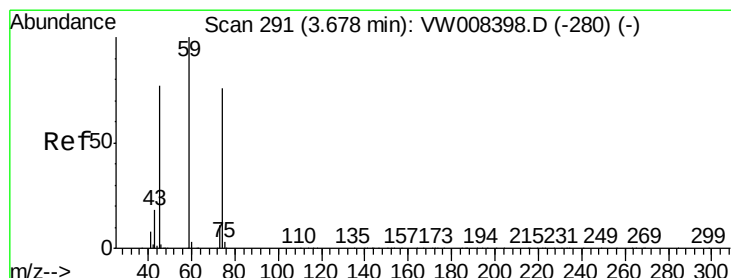
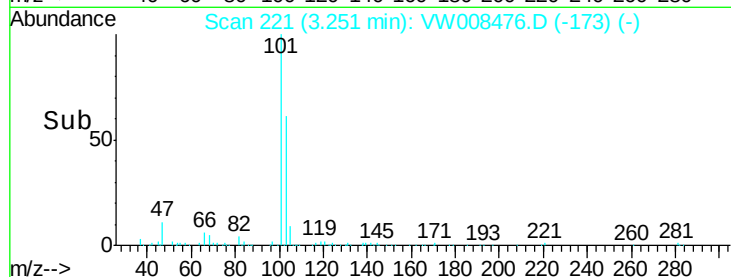
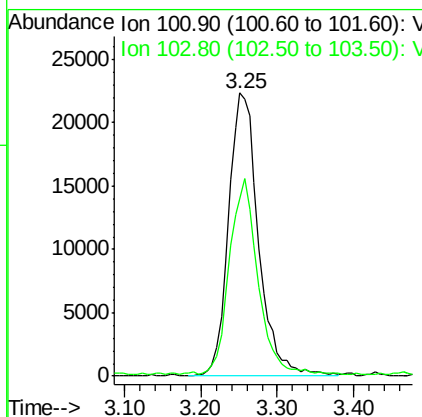
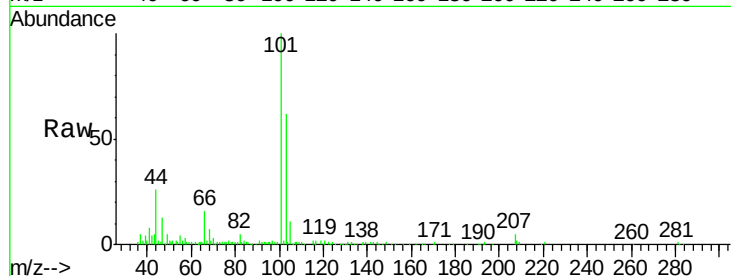
Trichlorofluoromethane
 Concen: 18.834 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Instrument :
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 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	52.5	78.7

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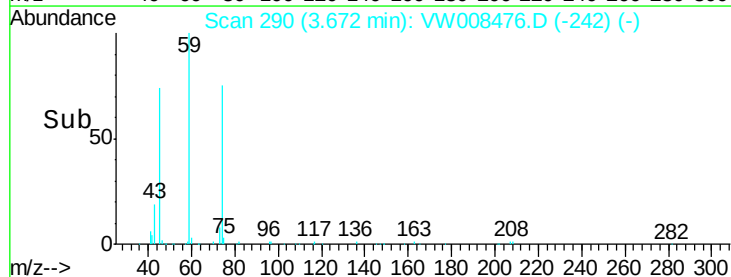
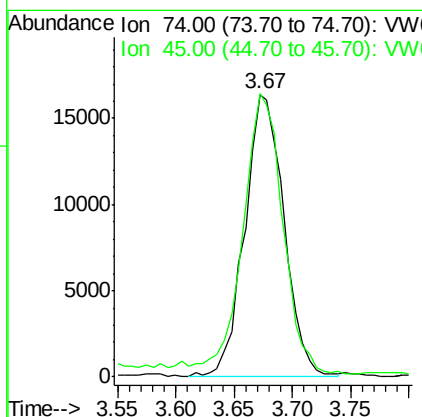
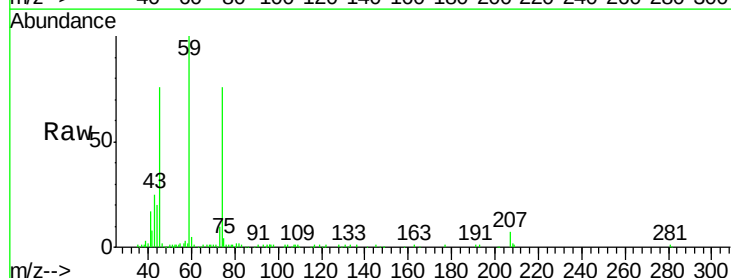
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 2/4/2019 4:32:22 PM

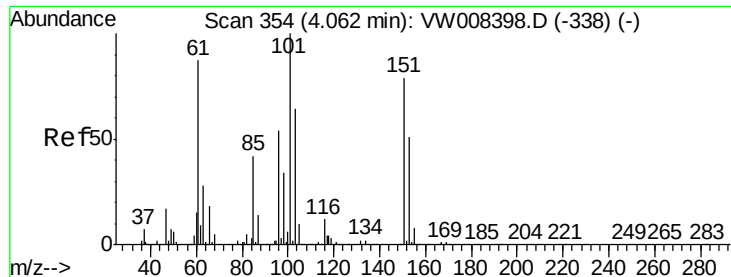


#8

Diethyl Ether
 Concen: 17.923 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.046 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

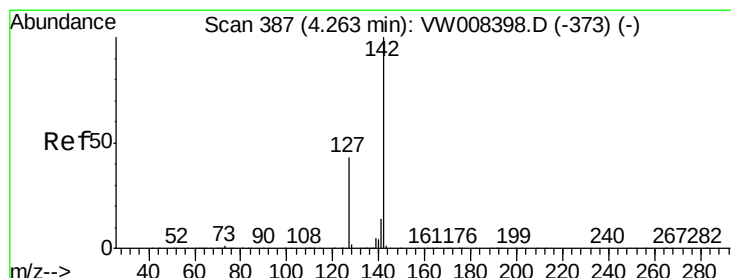
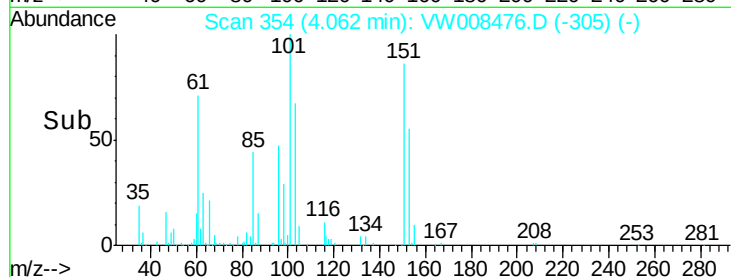
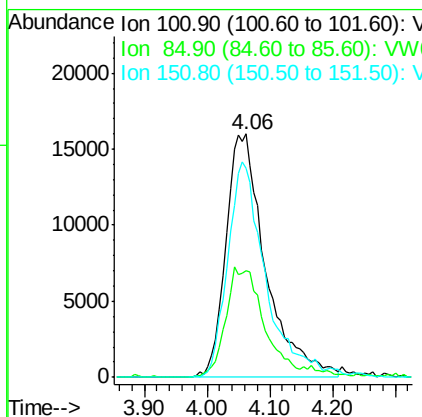
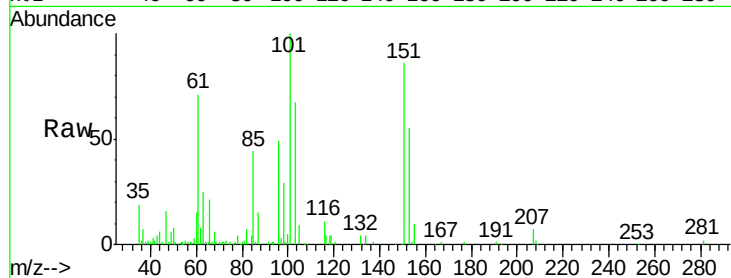
ClientSampleId :

VW0201SBSD01

Tot Ion:	101	Resp:	70274
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.0	52.4
151	83.9	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.661 ug/l

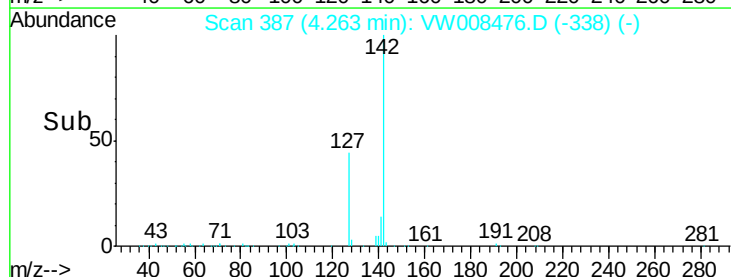
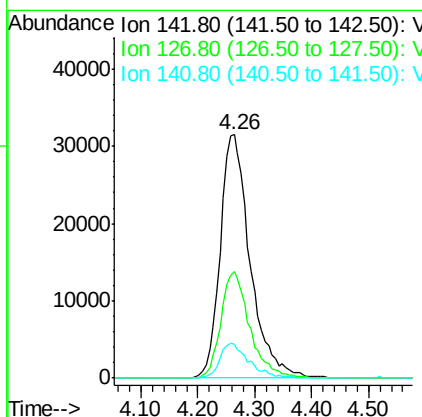
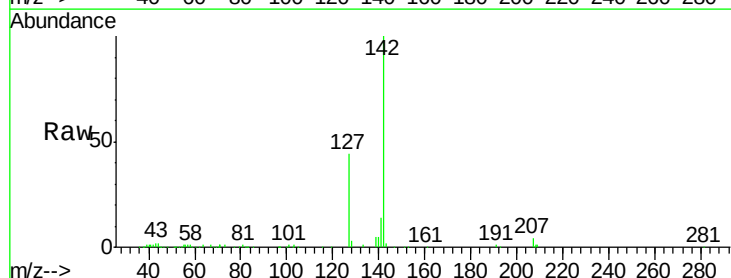
RT: 4.26 min Scan# 387

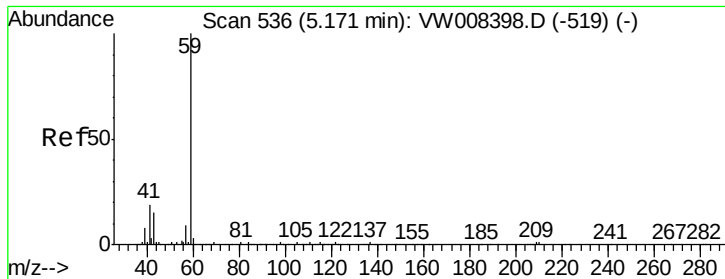
Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Tgt Ion:	142	Resp:	114786
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.6	52.0
141	14.2	11.4	17.2





#11

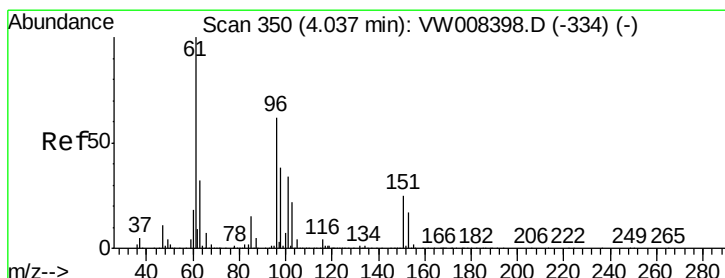
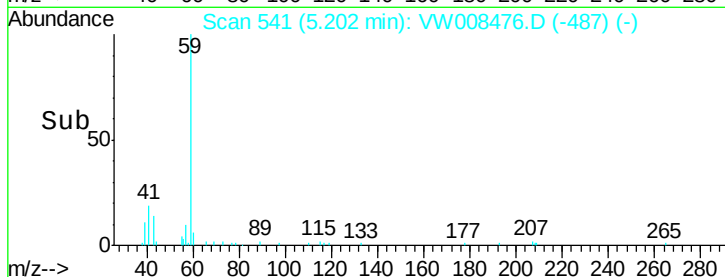
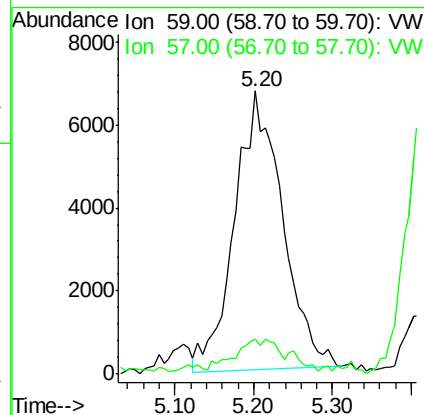
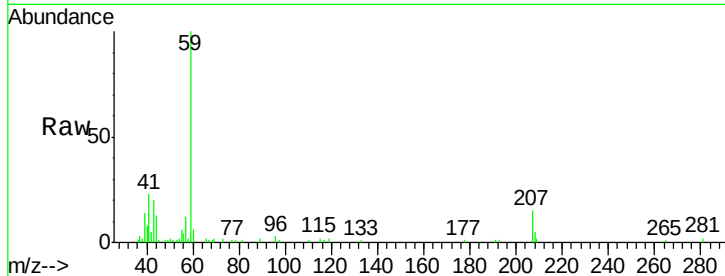
Tert butyl alcohol
Concen: 83.100 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.03 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	9.3	13.9#

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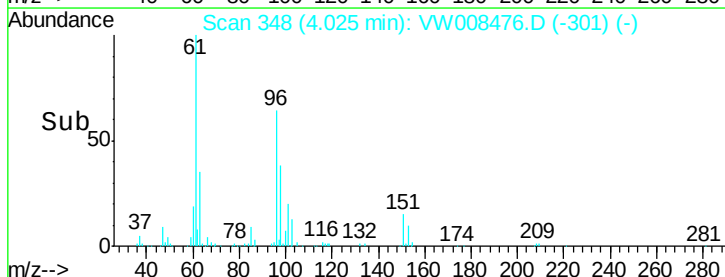
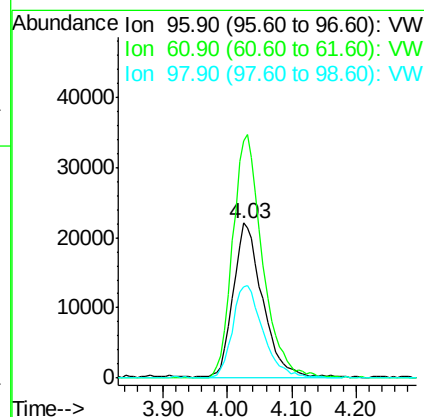
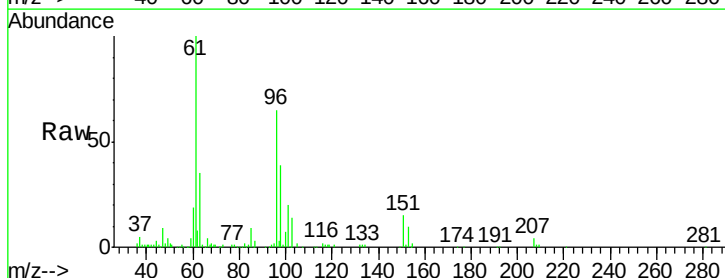
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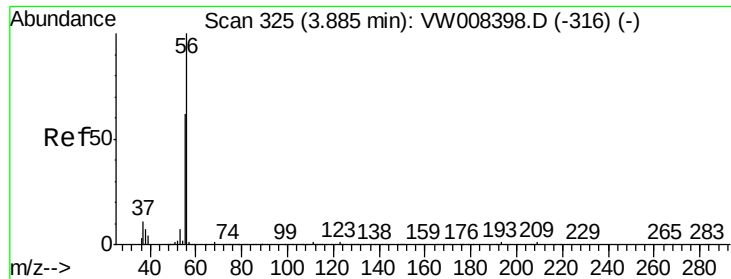


#12

1,1-Dichloroethene
Concen: 17.670 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.4	129.5	194.3
98	59.4	48.6	73.0





#13

Acrolein

Concen: 102.997 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBSD01

Tot Ion: 56 Resp: 30195

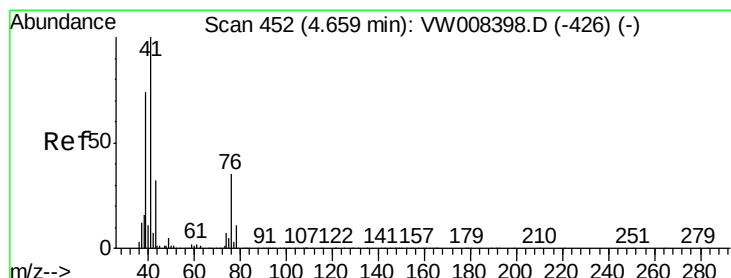
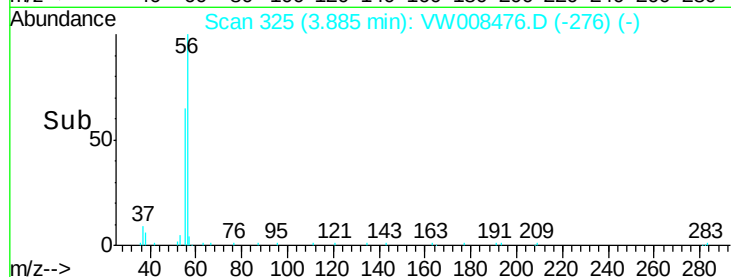
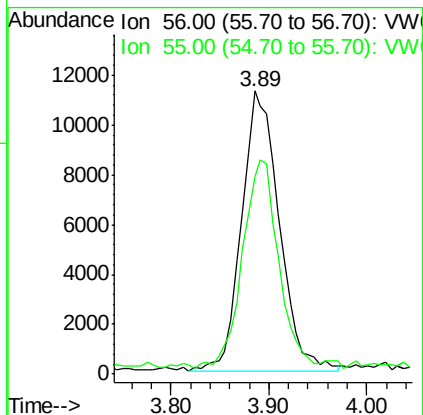
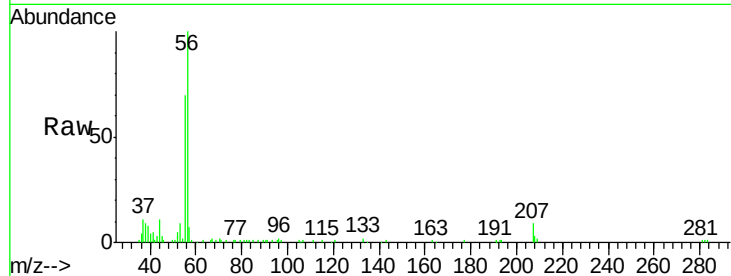
Ion Ratio Lower Upper

56 100

55 71.7 56.7 85.1

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#14

Allyl chloride

Concen: 15.991 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

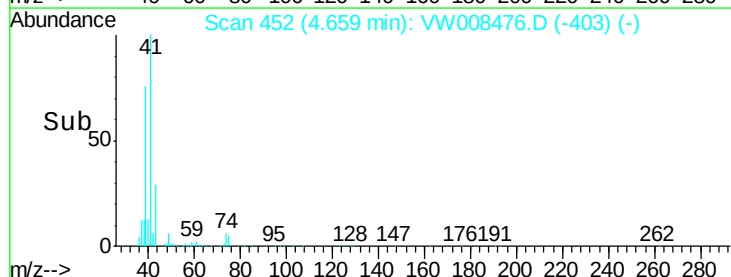
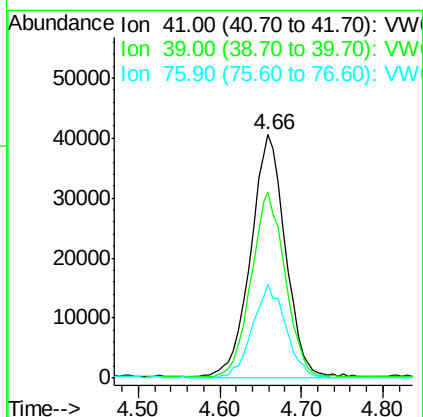
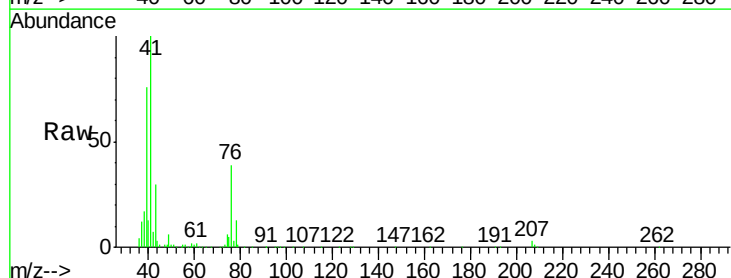
Tgt Ion: 41 Resp: 119669

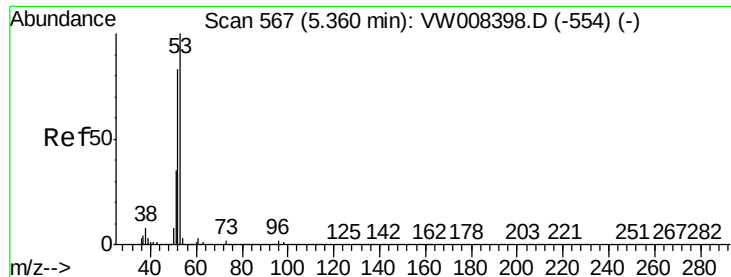
Ion Ratio Lower Upper

41 100

39 74.2 57.7 86.5

76 37.3 26.9 40.3





#15

Acrylonitrile

Concen: 88.496 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

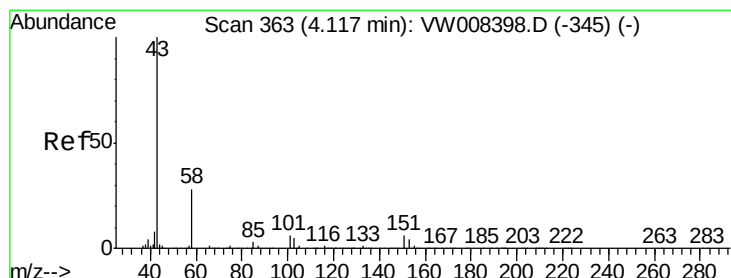
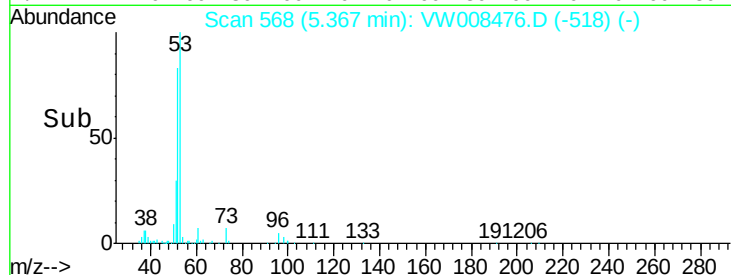
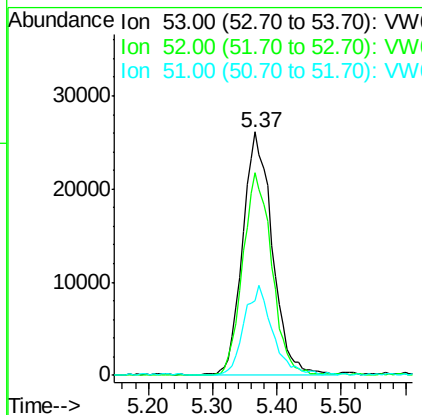
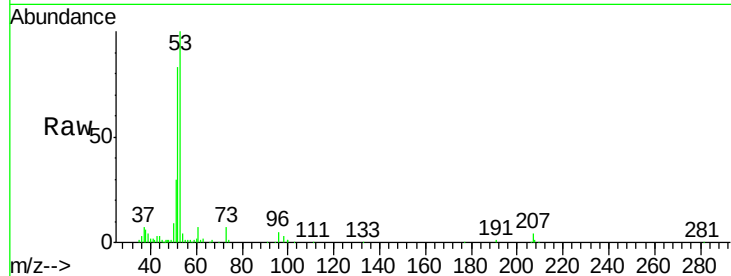
ClientSampleId :

VW0201SBSD01

Tot Ion:	53	Resp:	82052
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.0	100.4
51	35.8	29.8	44.8

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#16

Acetone

Concen: 86.880 ug/l

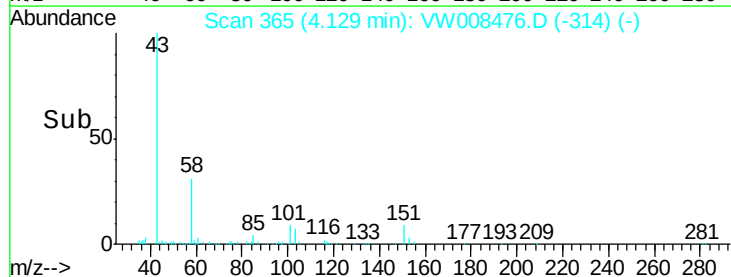
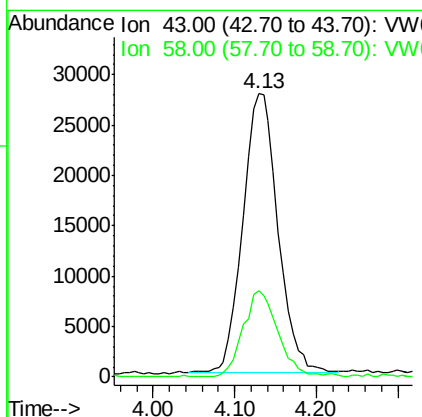
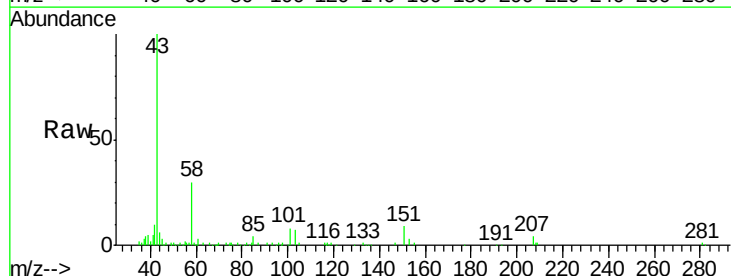
RT: 4.13 min Scan# 365

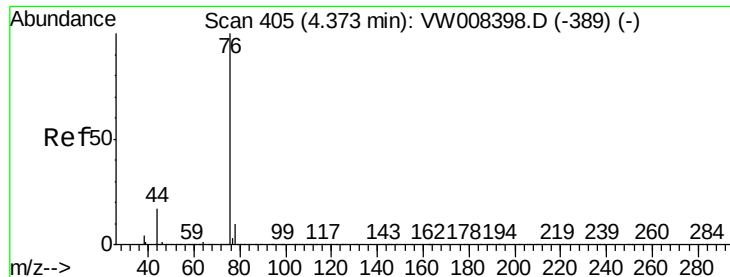
Delta R.T. 0.01 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Tgt Ion:	43	Resp:	82525
Ion	Ratio	Lower	Upper
43	100		
58	30.4	22.6	34.0





#17

Carbon Disulfide

Concen: 16.754 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Tot Ion: 76 Resp: 210883

Ion Ratio Lower Upper

76 100

78 9.5 7.7 11.5

Instrument :

MSVOA_W

ClientSampleId :

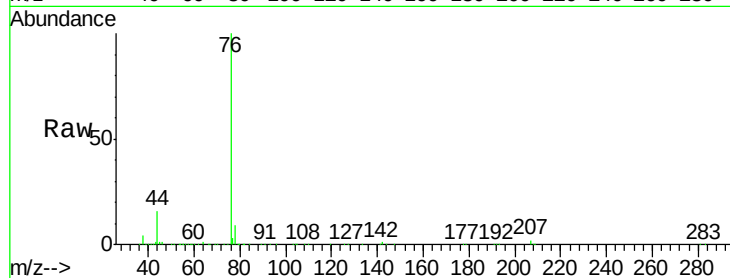
VW0201SBSD01

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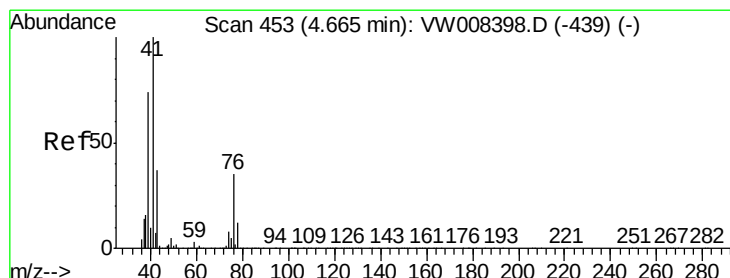
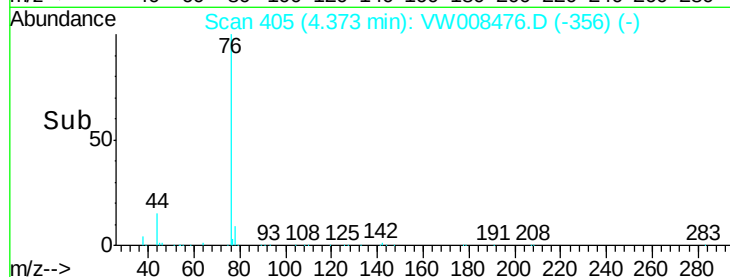
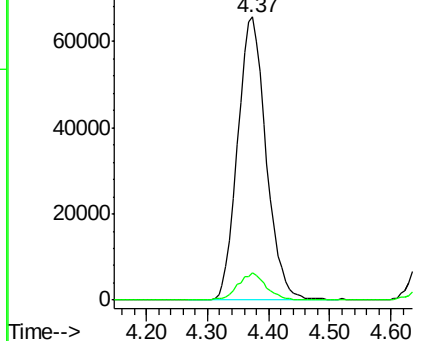
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 16.764 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW008476.D

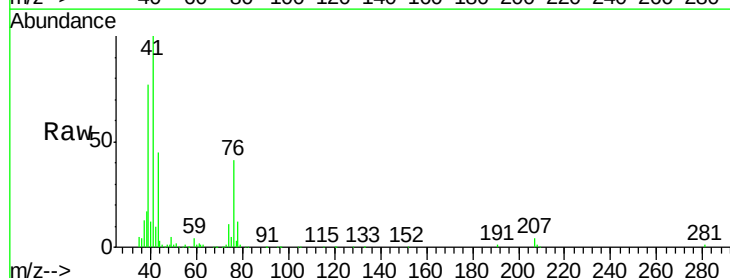
Acq: 01 Feb 2019 12:45

Tgt Ion: 43 Resp: 42472

Ion Ratio Lower Upper

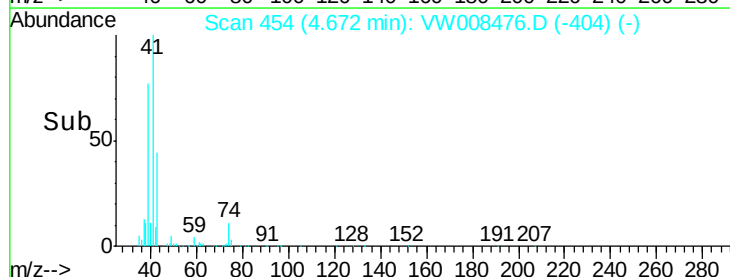
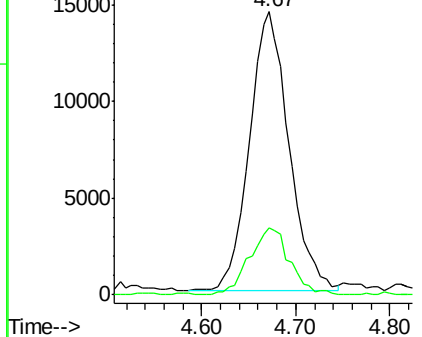
43 100

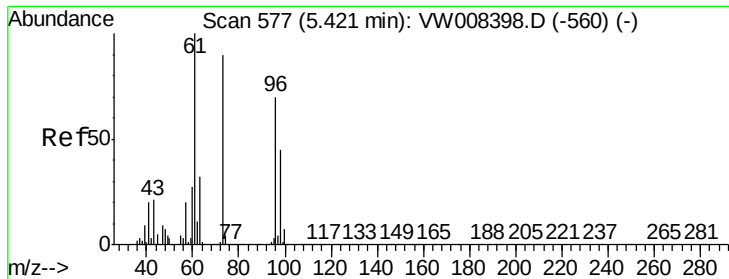
74 24.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

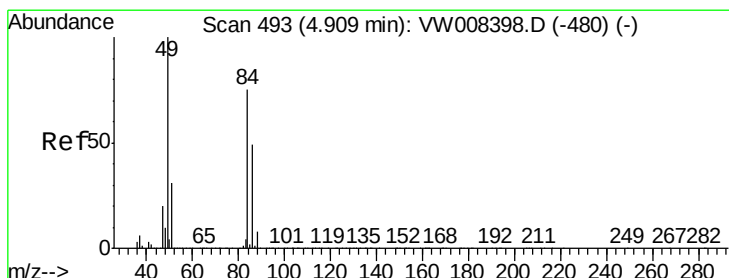
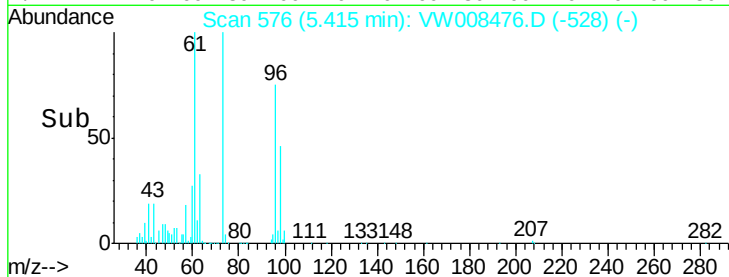
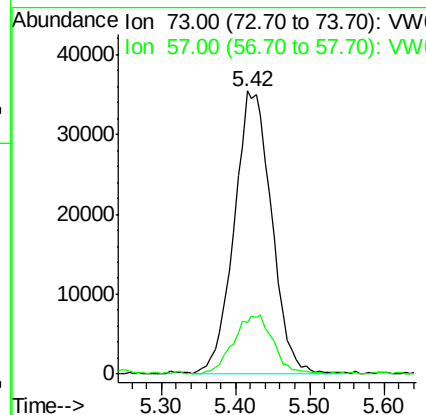
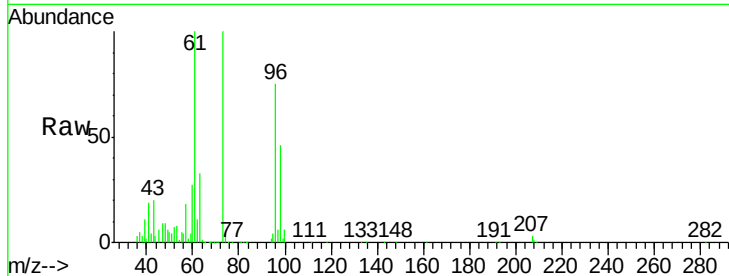
Methyl tert-butyl Ether
 Concen: 18.870 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.3	18.0	27.0

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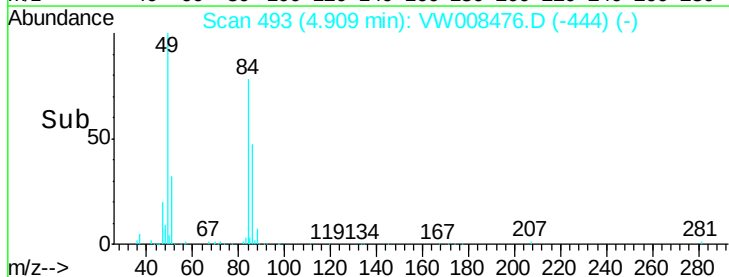
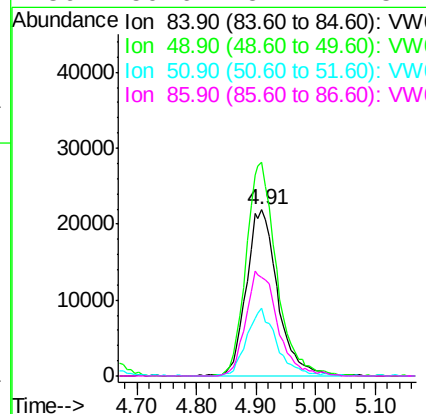
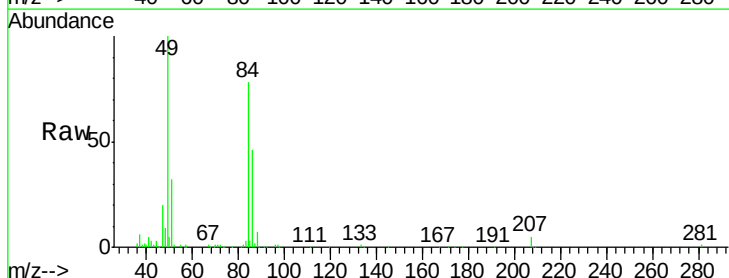
MMDadoda
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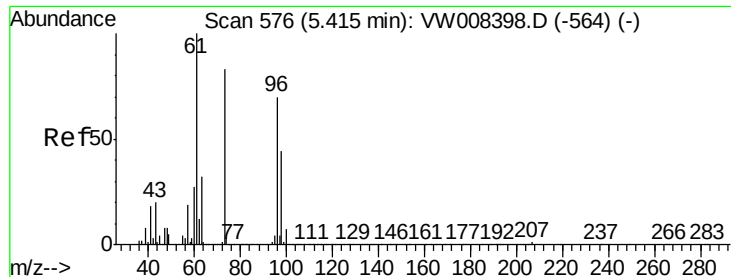


#20

Methylene Chloride
 Concen: 18.324 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.5	106.8	160.2
51	41.0	32.9	49.3
86	59.6	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 17.638 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

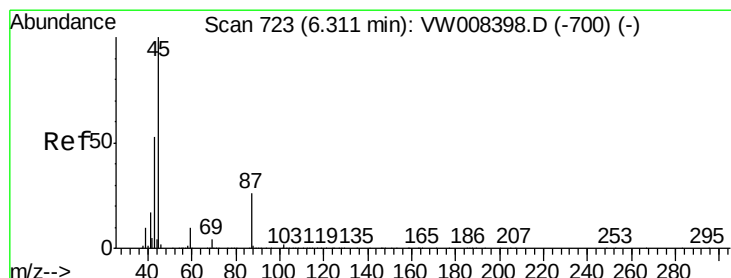
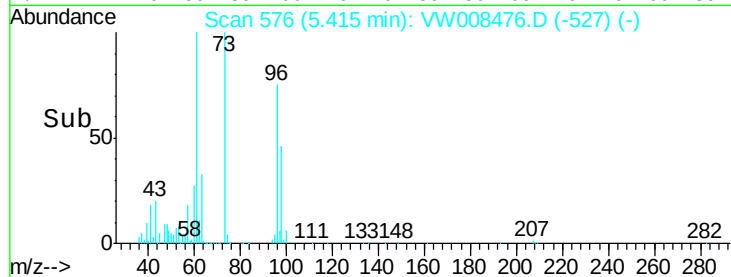
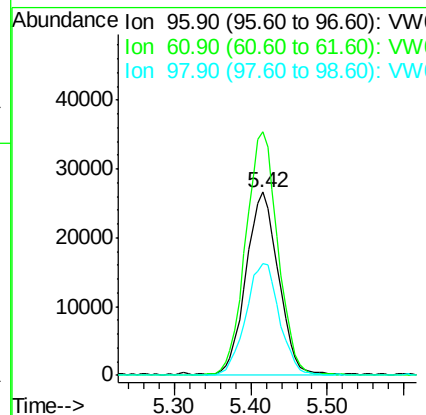
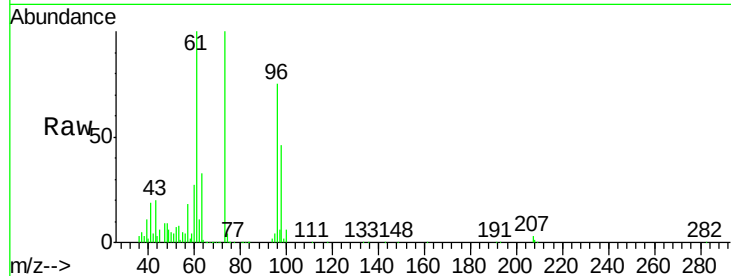
ClientSampleId :

VW0201SBSD01

Tot Ion:	96	Resp:	78147
Ion Ratio	Lower	Upper	
96	100		
61	133.3	114.4	171.6
98	61.2	50.6	75.8

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#22

Diisopropyl ether

Concen: 16.312 ug/l

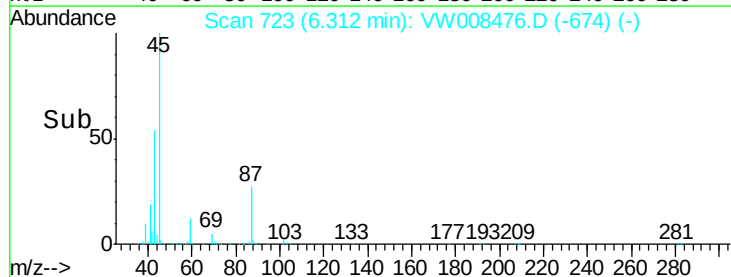
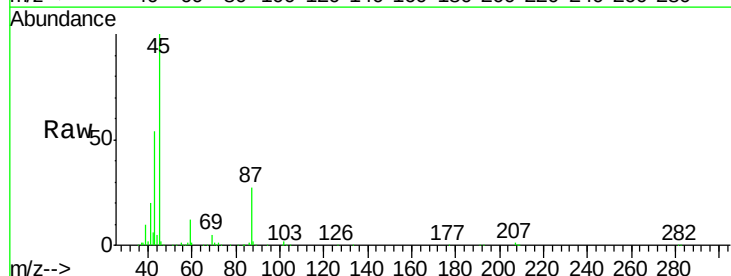
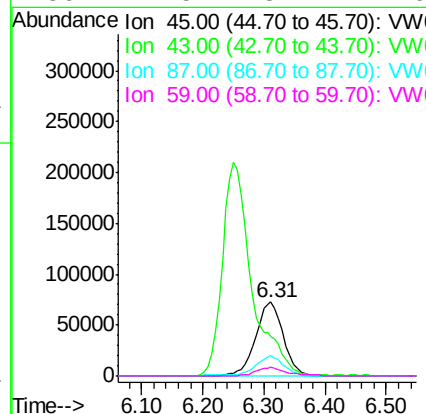
RT: 6.31 min Scan# 723

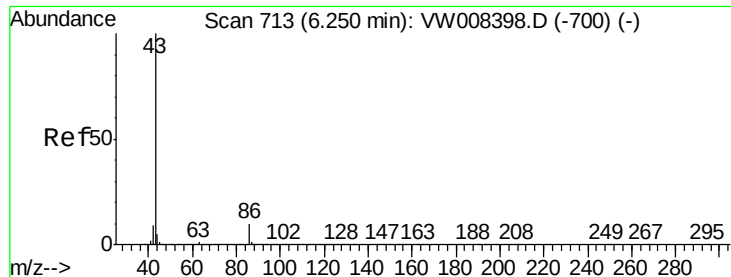
Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Tgt Ion:	45	Resp:	231362
Ion Ratio	Lower	Upper	
45	100		
43	53.7	42.6	63.8
87	27.3	20.3	30.5
59	11.5	8.4	12.6





#23

Vinyl Acetate

Concen: 84.006 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 43 Resp: 703538

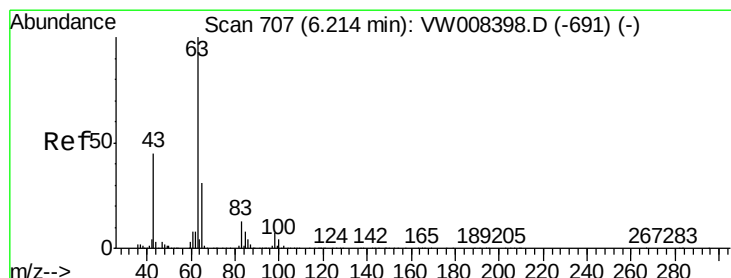
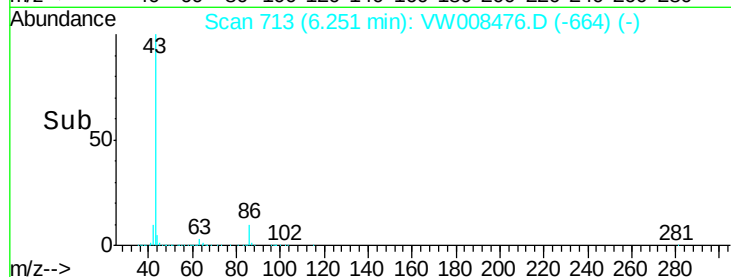
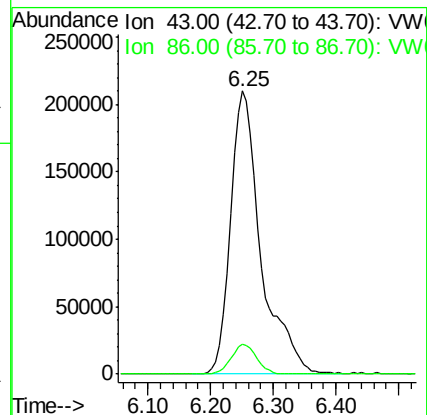
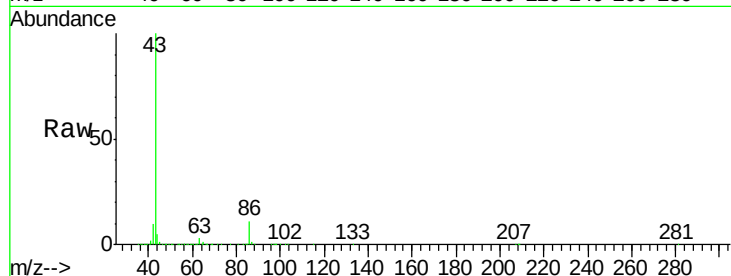
Ion Ratio Lower Upper

43 100

86 10.6 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 16.746 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

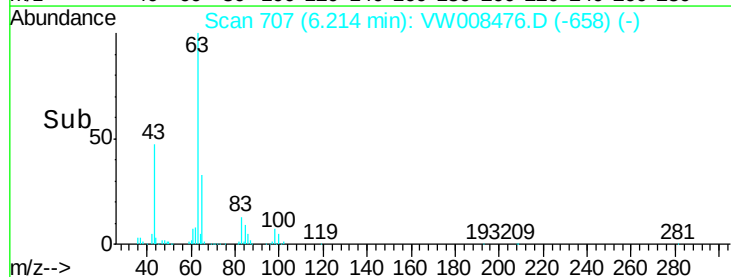
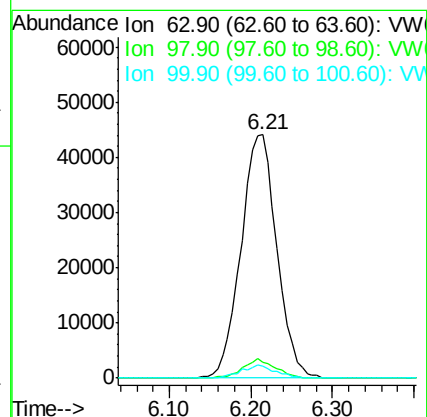
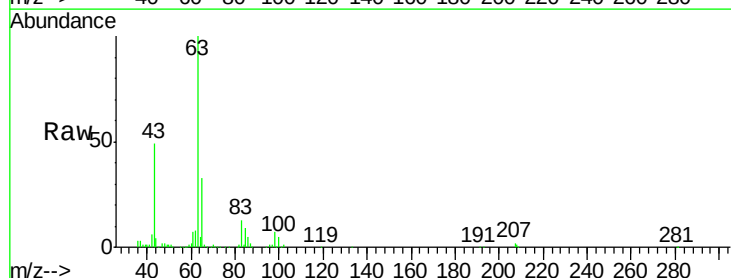
Tgt Ion: 63 Resp: 134445

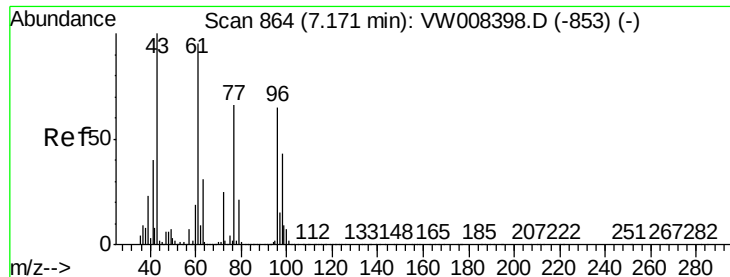
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.8 2.1 6.2





#25

2-Butanone

Concen: 88.963 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 43 Resp: 117375

Ion Ratio Lower Upper

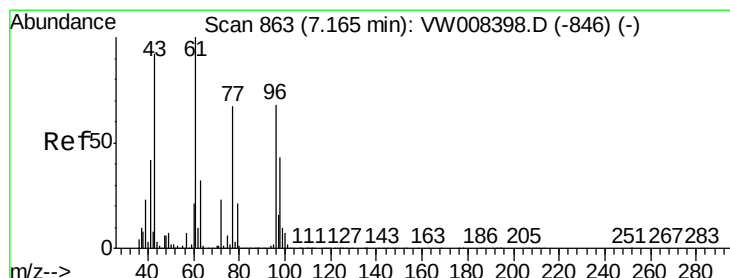
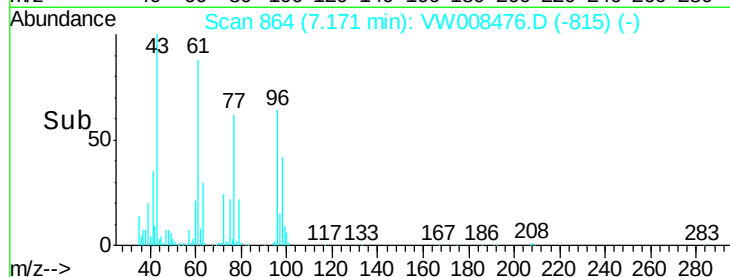
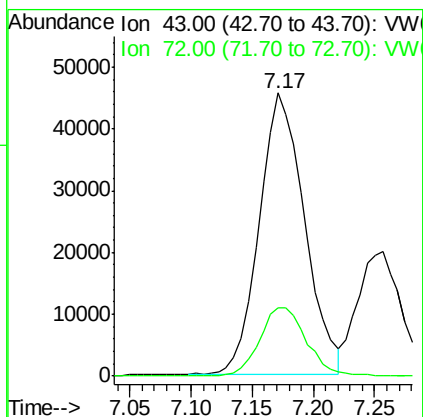
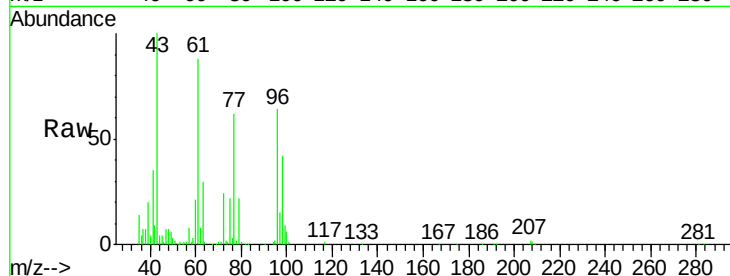
43 100

72 24.2 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 17.683 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008476.D

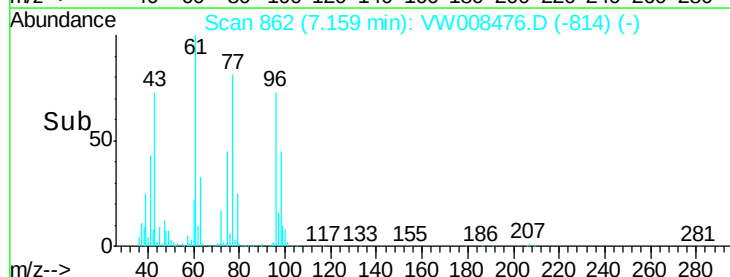
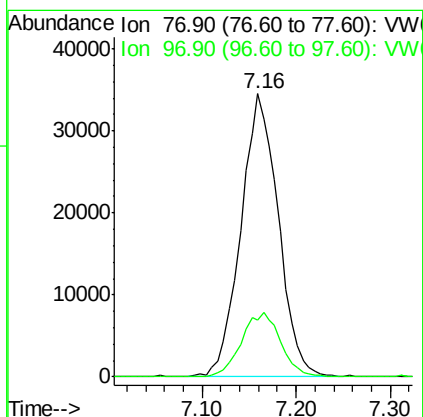
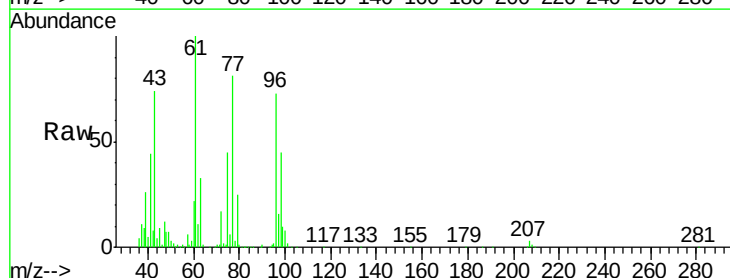
Acq: 01 Feb 2019 12:45

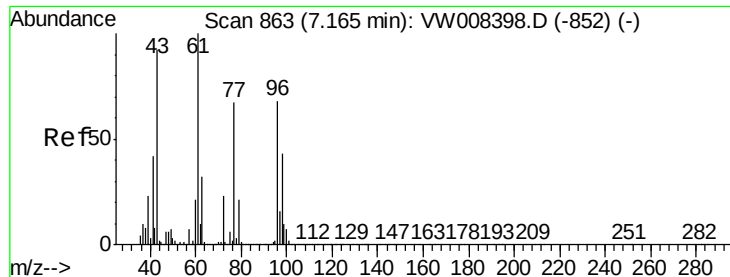
Tgt Ion: 77 Resp: 95959

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5





#27

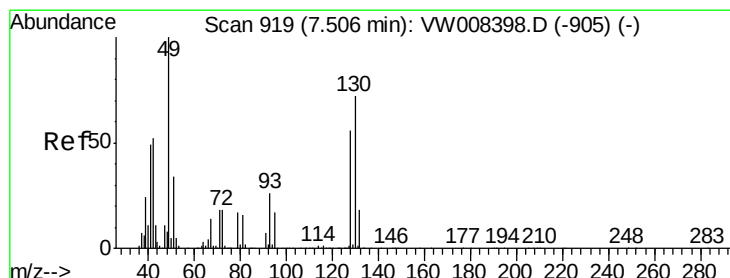
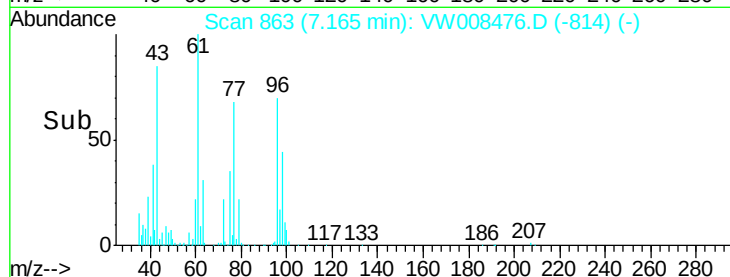
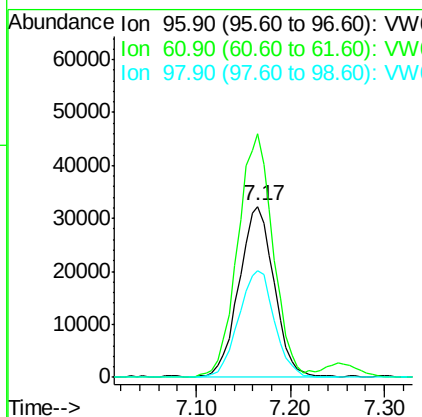
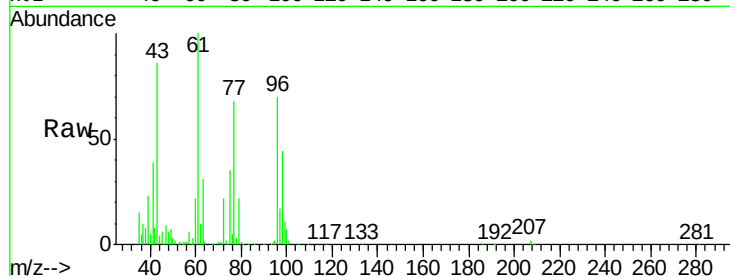
cis-1,2-Dichloroethene
Concen: 17.517 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	292.8
98	63.5	0.0	129.2

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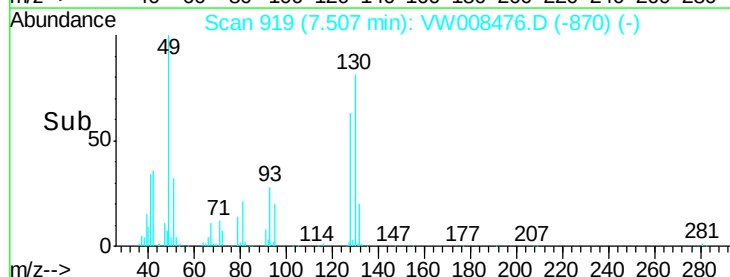
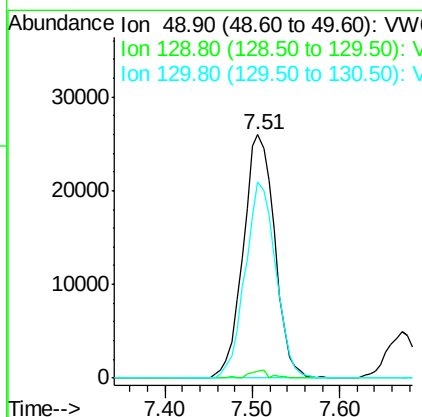
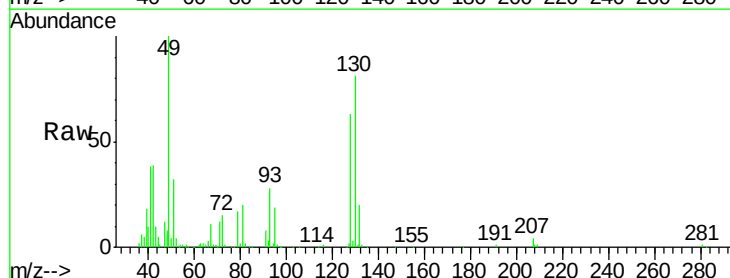
MMDadoda
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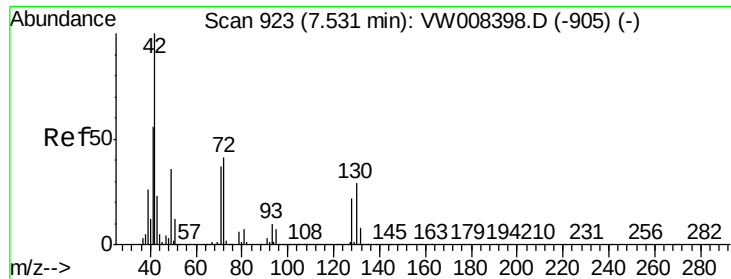


#28

Bromochloromethane
Concen: 17.623 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	78.3	58.6	87.8





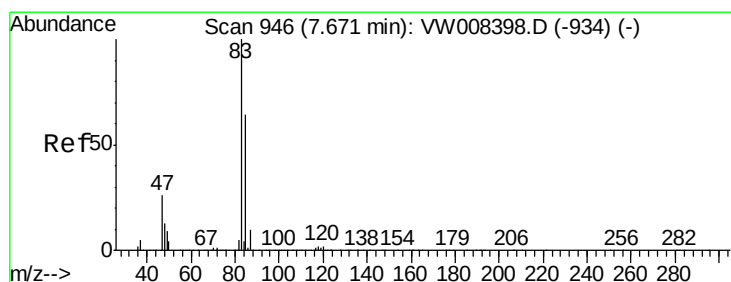
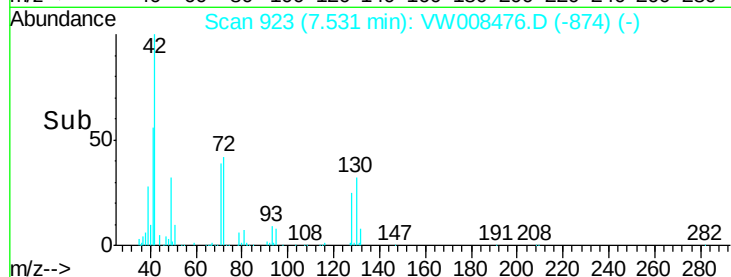
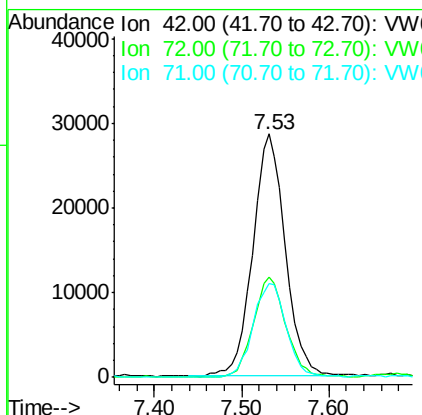
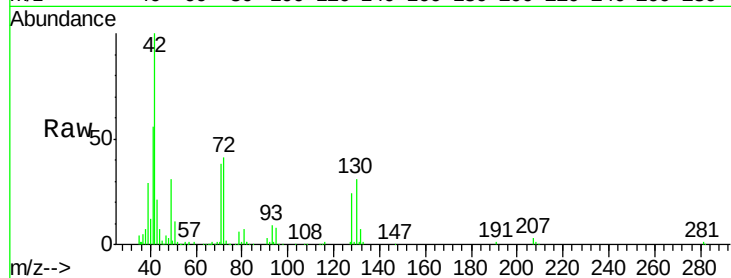
#29
Tetrahydrofuran
Concen: 88.070 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	31.9	47.9
71	40.1	29.9	44.9

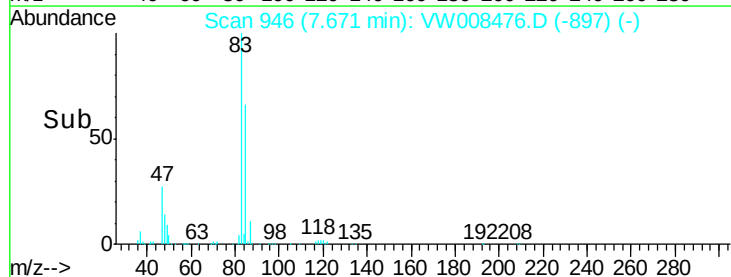
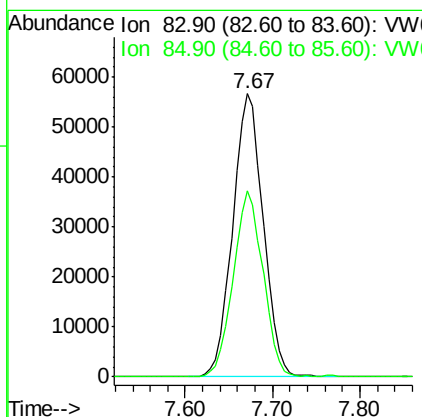
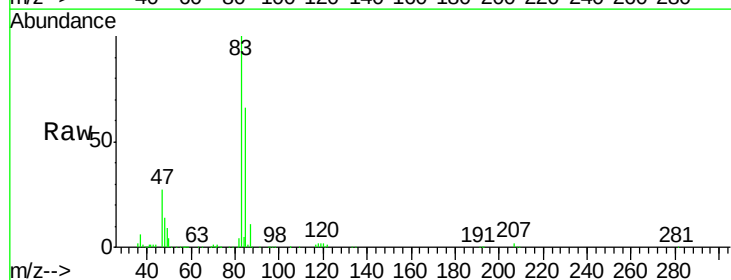
Manual Integrations
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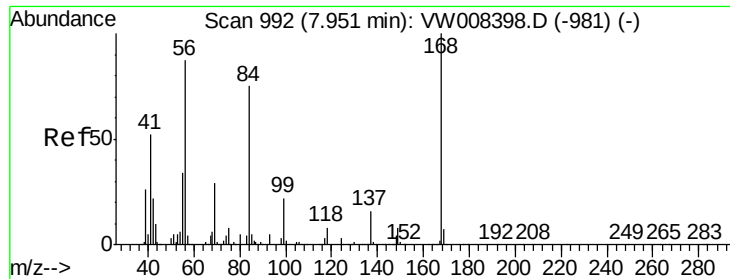
MMDadoda
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#30
Chloroform
Concen: 17.404 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3





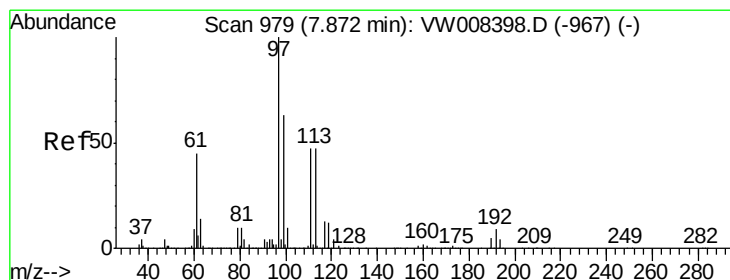
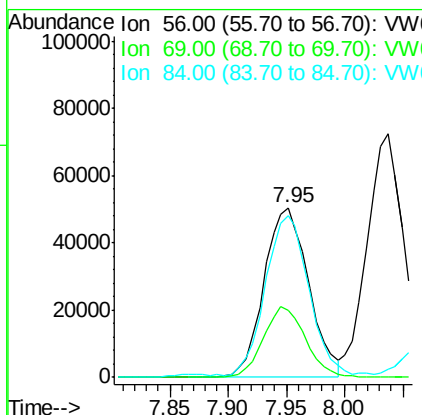
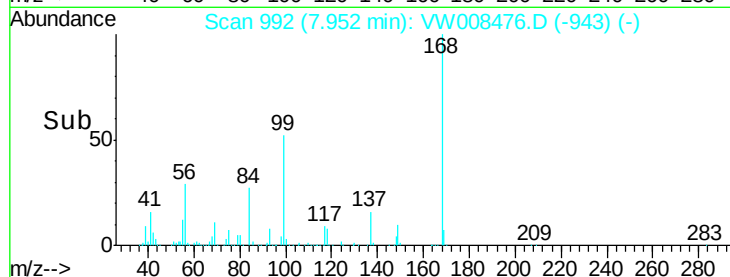
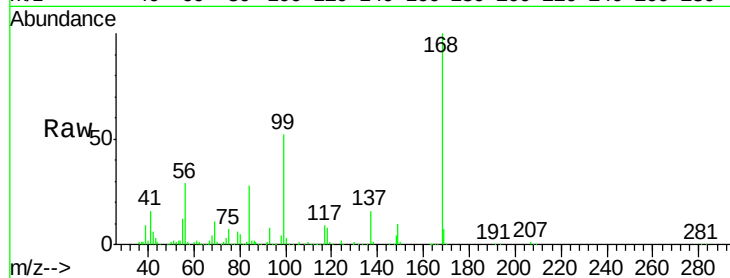
#31
Cyclohexane
Concen: 16.105 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	26.4	39.6
84	93.5	69.1	103.7

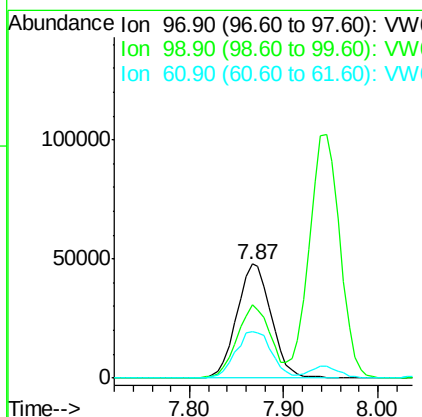
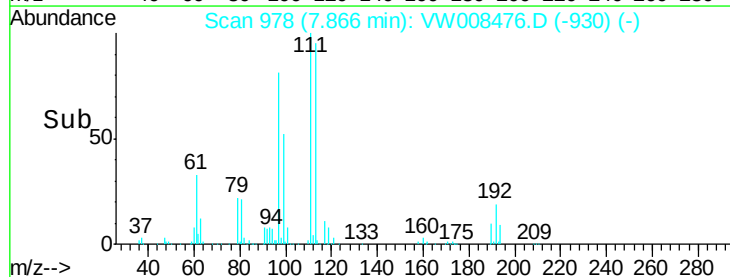
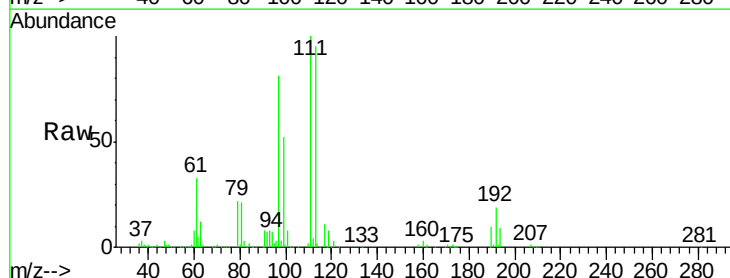
Manual Integrations
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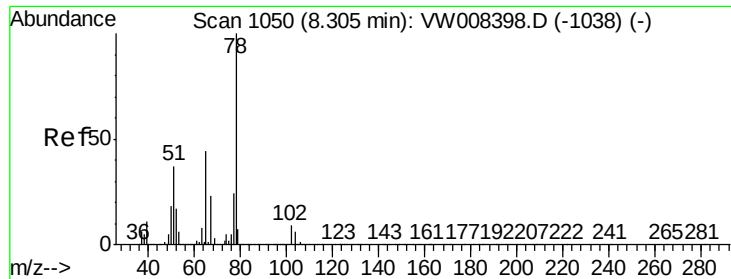
MMDadoda
2/4/2019 4:32:22 PM



#32
1,1,1-Trichloroethane
Concen: 17.808 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.3	76.9
61	42.9	36.2	54.4





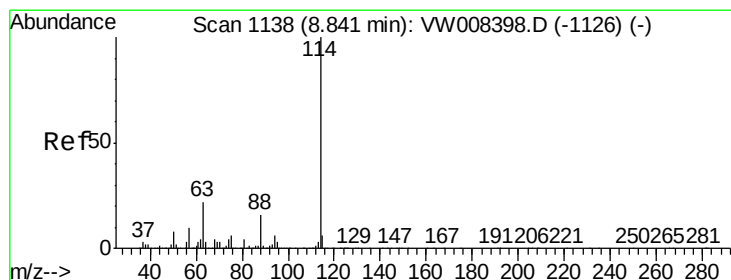
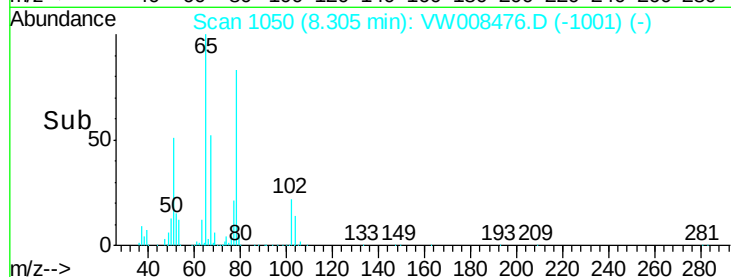
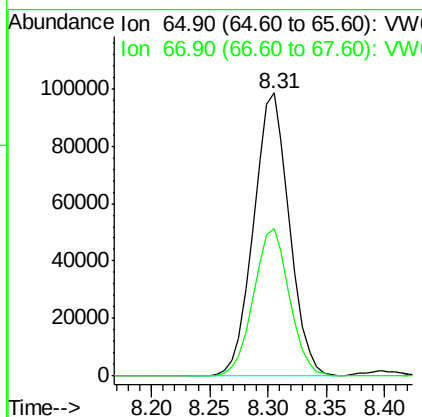
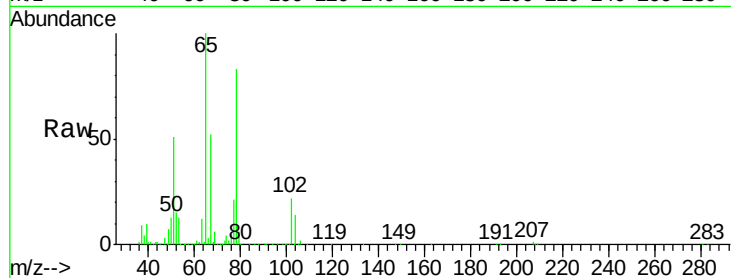
#33
 1,2-Dichloroethane-d4
 Concen: 49.765 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	104.0	

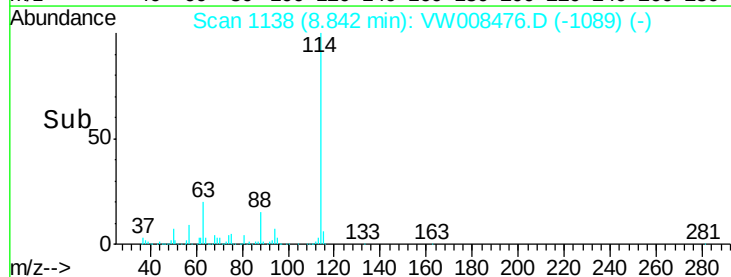
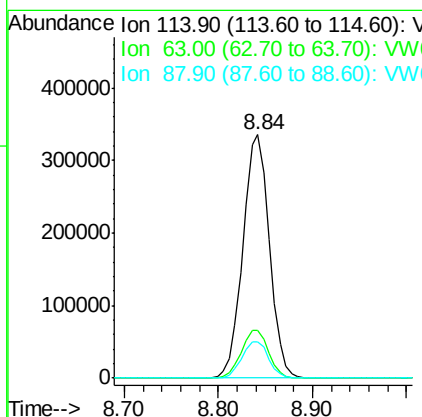
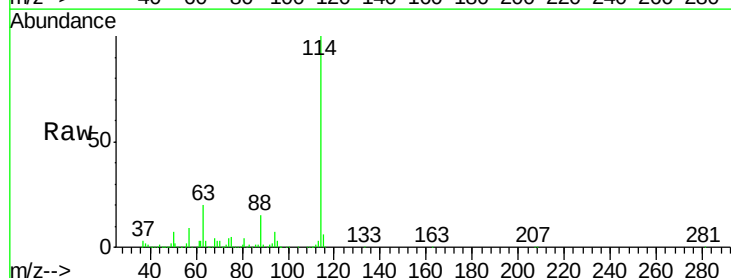
Manual Integrations
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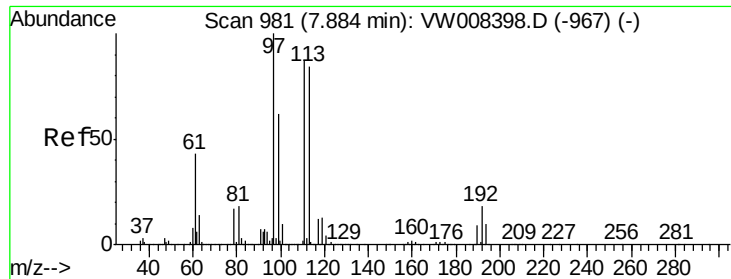
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	43.6	
88	14.7	0.0	31.8	





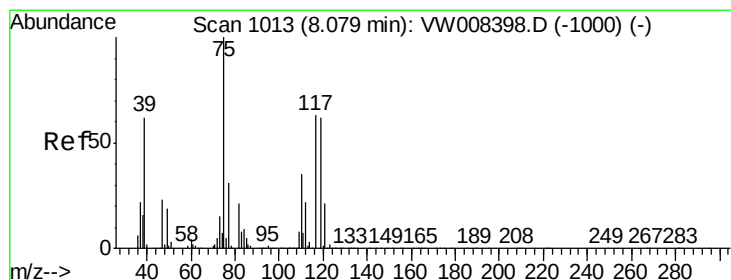
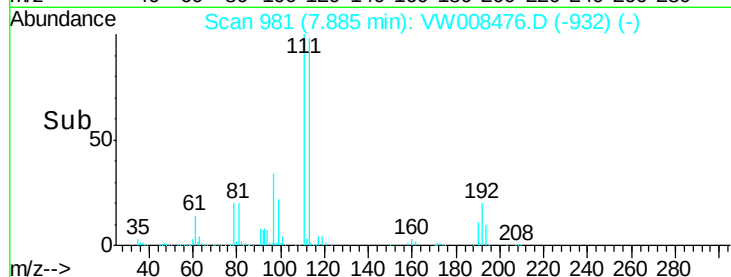
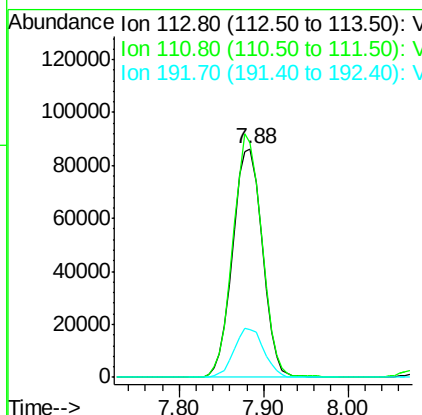
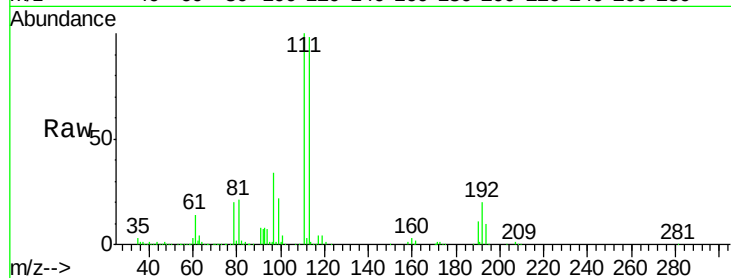
#35
 Dibromofluoromethane
 Concen: 53.623 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206523		
111	103.2		81.0	121.4
192	21.4		16.8	25.2

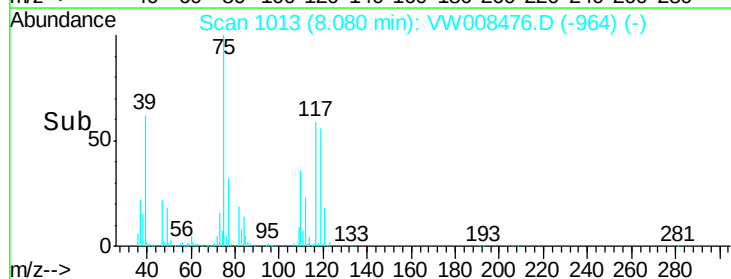
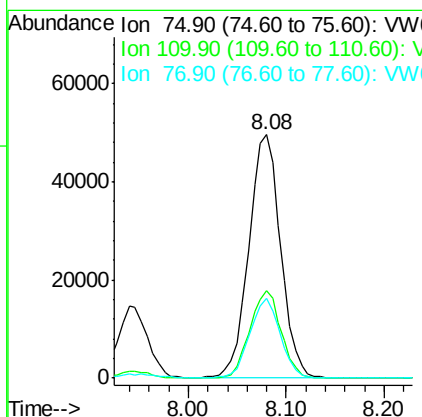
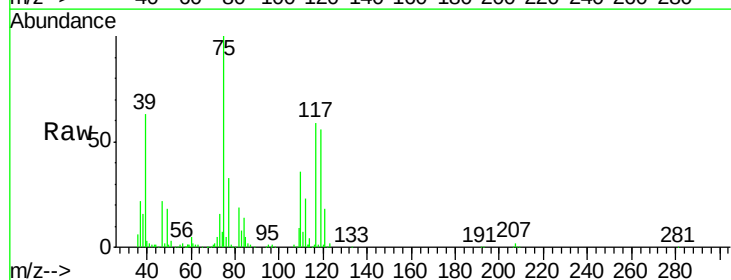
Manual Integrations
 APPROVED

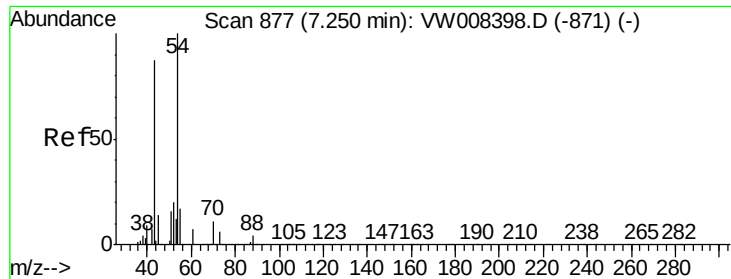
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 17.940 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	111620		
110	35.4		17.3	52.0
77	31.8		24.7	37.1





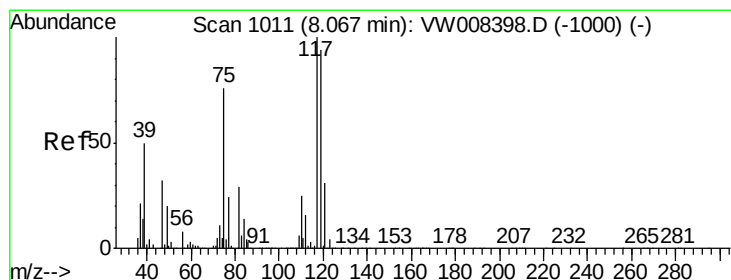
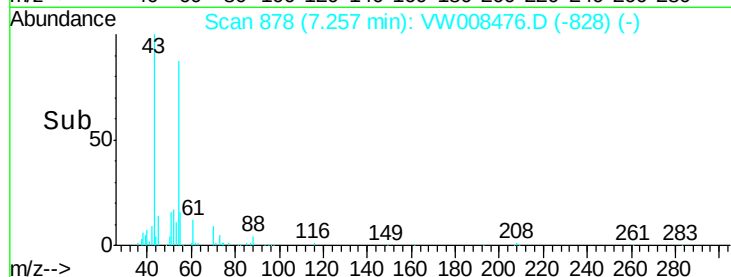
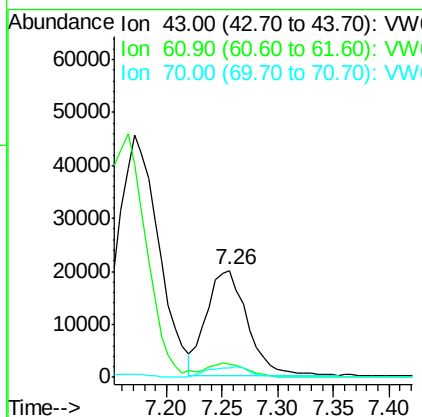
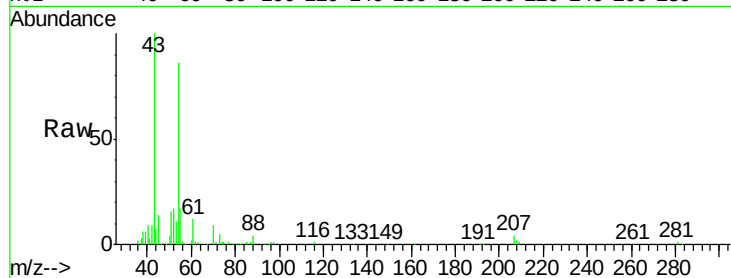
#37
Ethyl Acetate
Concen: 18.393 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.1	15.1
70	9.7	7.8	11.6

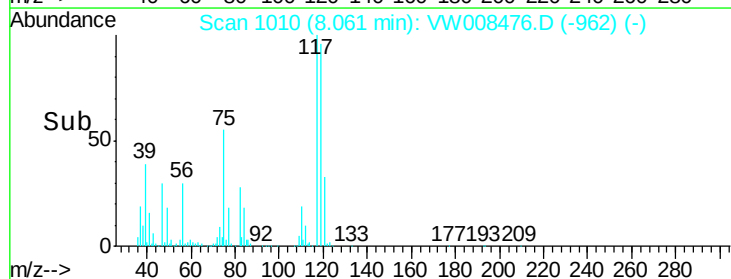
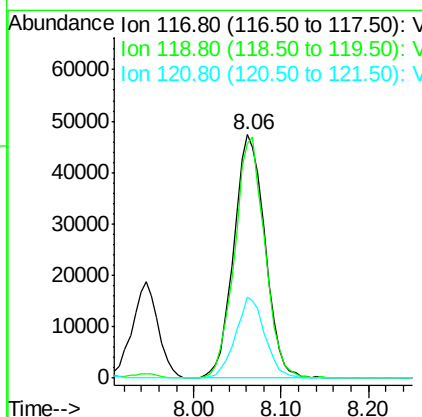
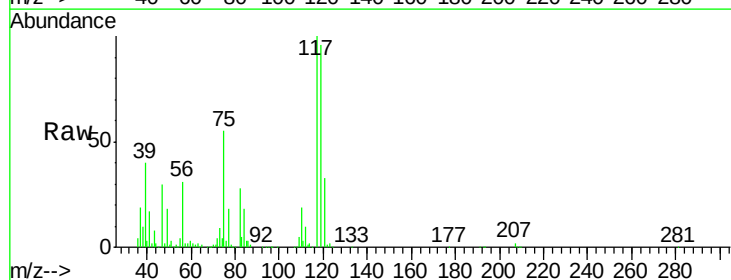
Manual Integrations
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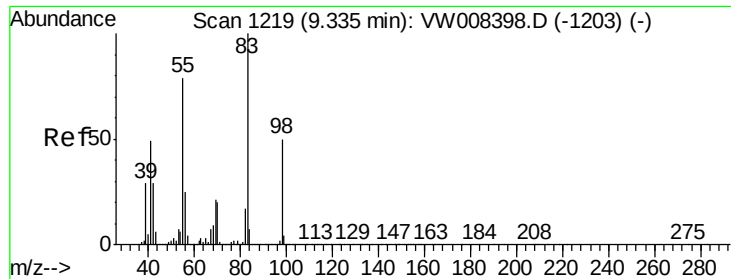
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.777 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.0	112.4
121	33.1	24.9	37.3





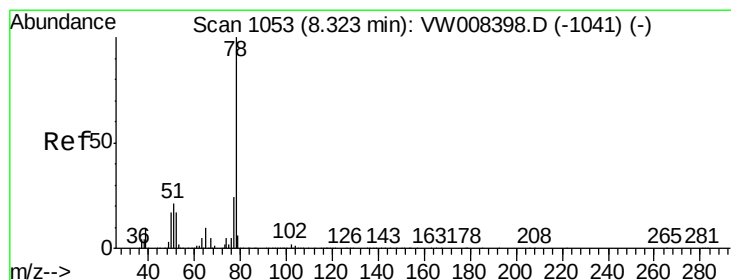
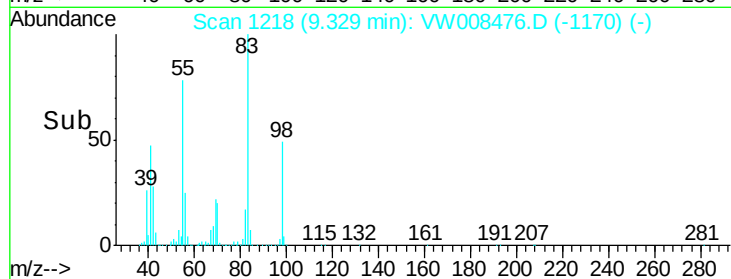
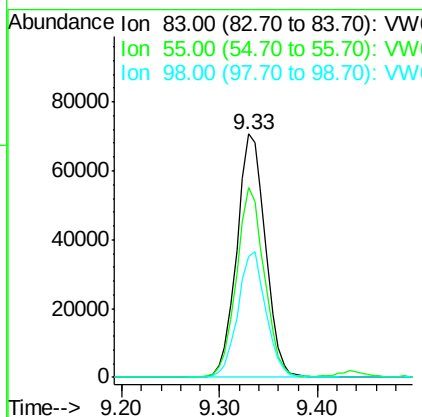
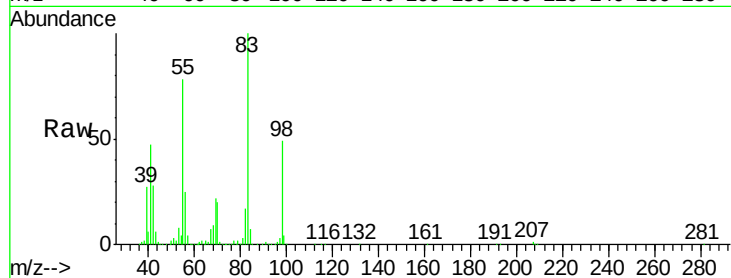
#39
Methylvlcyclohexane
Concen: 17.556 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	63.3	94.9
98	49.3	39.7	59.5

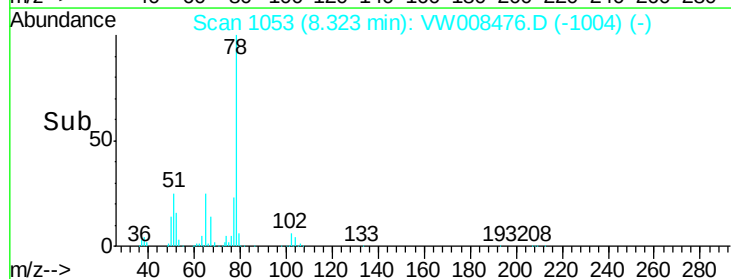
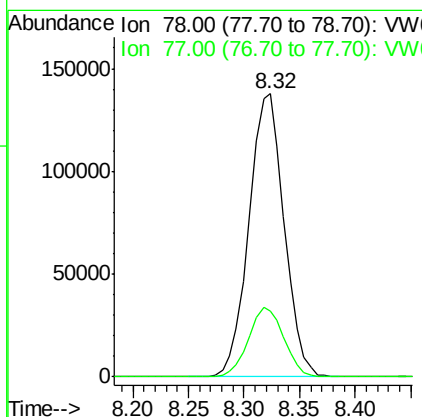
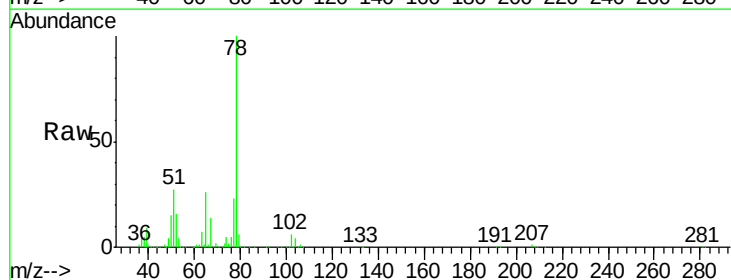
Manual Integrations
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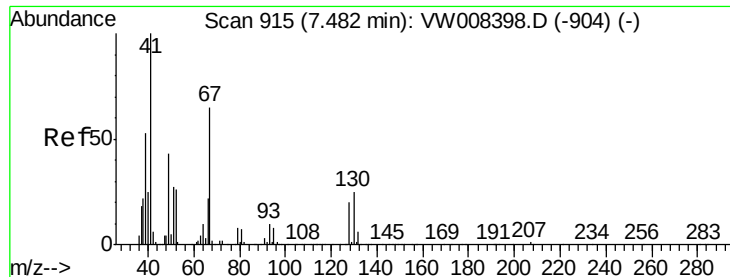
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#40
Benzene
Concen: 17.576 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6





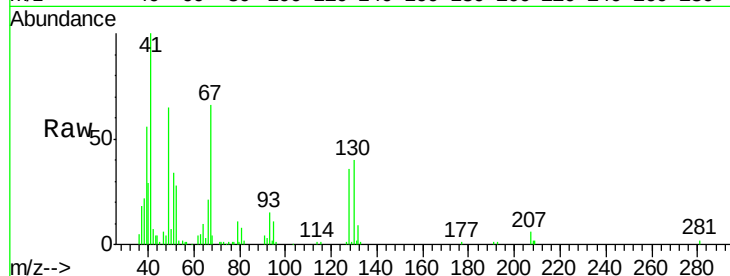
#41
Methacrylonitrile
Concen: 17.552 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

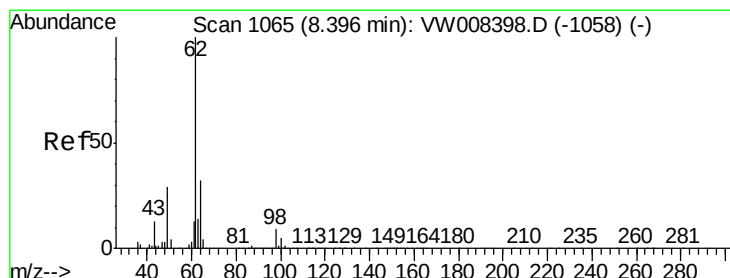
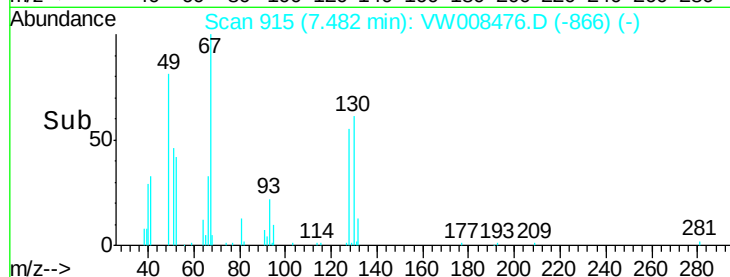
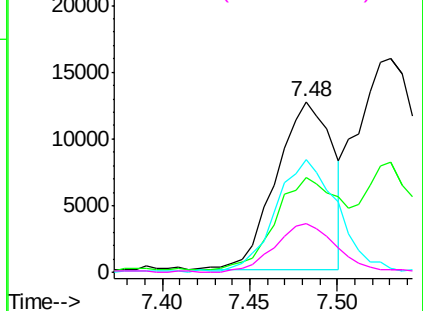
Tot Ion	Ratio	Lower	Upper
41	100		
39	62.0	43.4	65.0
67	73.7	54.2	81.2
52	31.7	22.9	34.3

Manual Integrations
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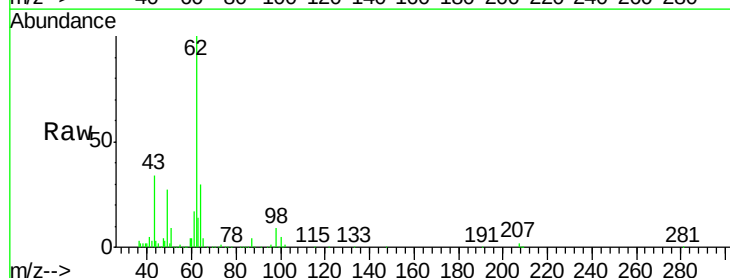


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

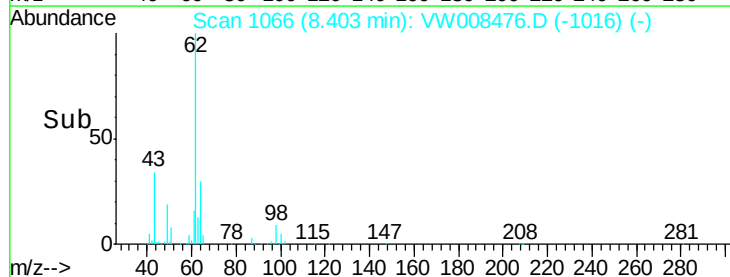
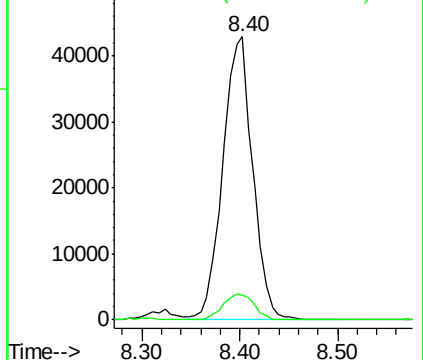


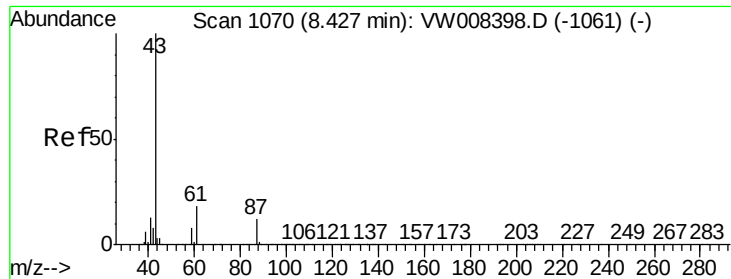
#42
1,2-Dichloroethane
Concen: 18.161 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 18.048 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

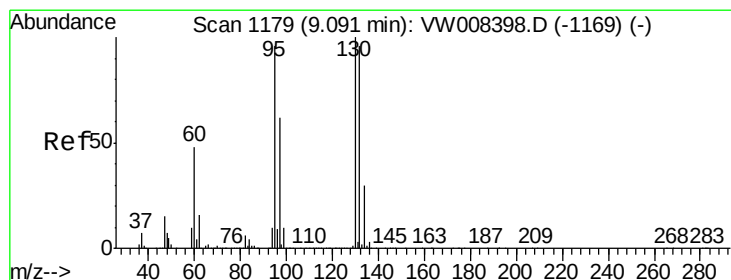
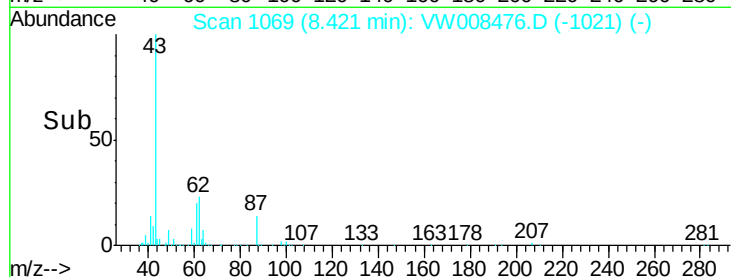
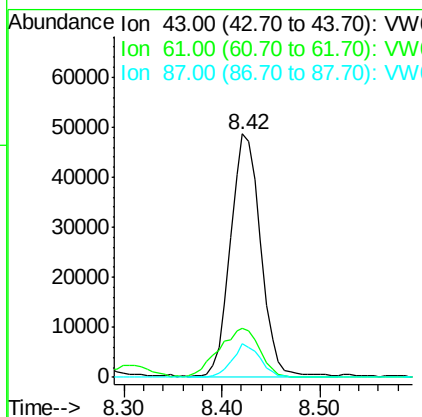
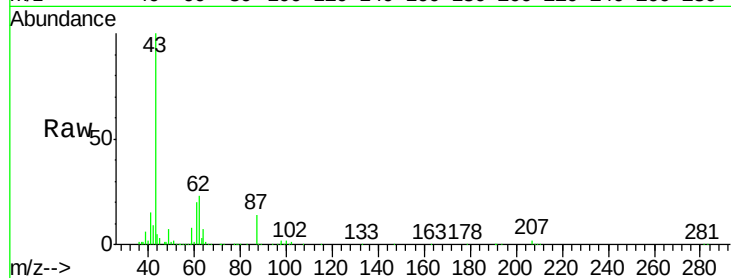
ClientSampleId :

VW0201SBS01

Tot Ion:	43	Resp:	103210
Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.0	33.0
87	12.9	9.3	13.9

Manual Integrations
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MMDadoda
2/4/2019 4:32:22 PM



#44

Trichloroethene

Concen: 18.378 ug/l

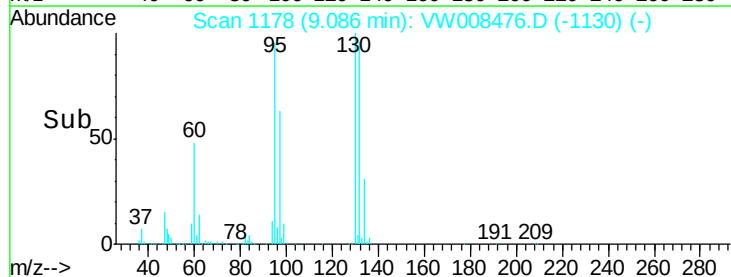
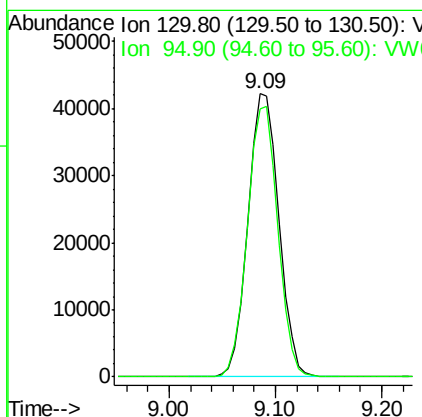
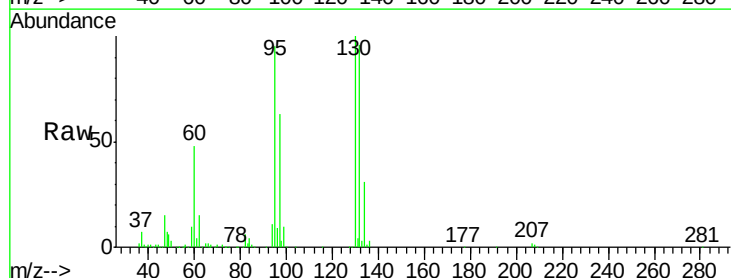
RT: 9.09 min Scan# 1178

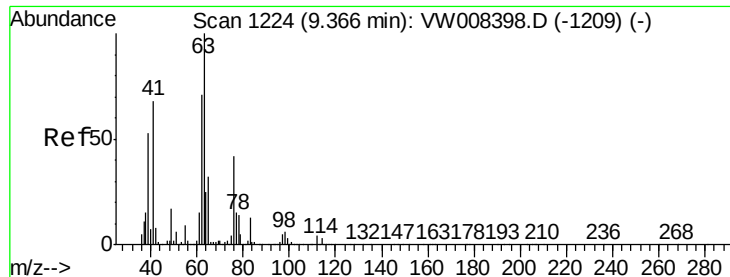
Delta R.T. -0.01 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Tgt Ion:	130	Resp:	86281
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	191.6





#45

1,2-Dichloropropane

Concen: 17.274 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBSD01

Tot Ion: 63 Resp: 74358

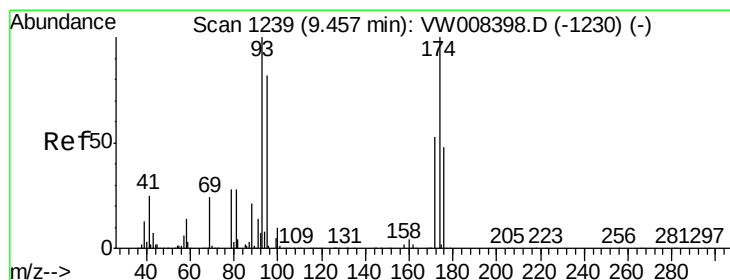
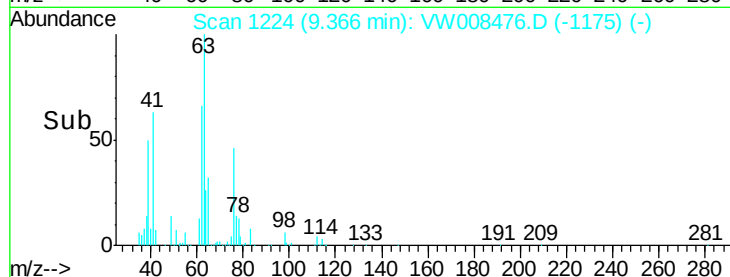
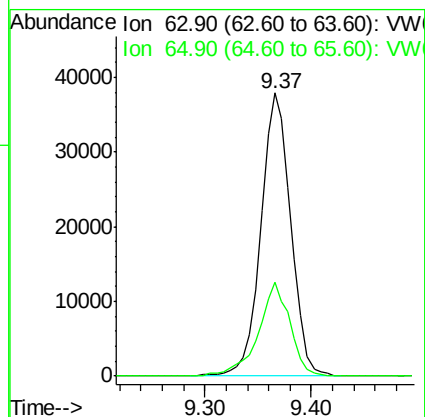
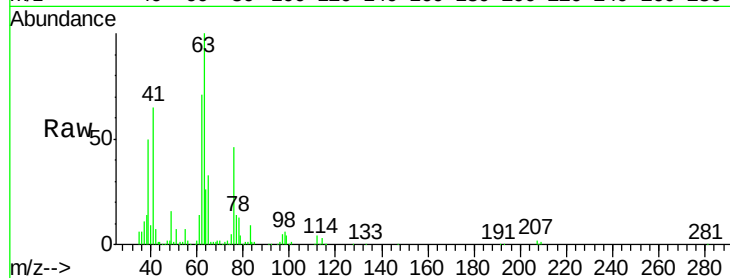
Ion Ratio Lower Upper

63 100

65 33.1 25.2 37.8

Manual Integrations
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2/4/2019 4:32:22 PM



#46

Dibromomethane

Concen: 18.124 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

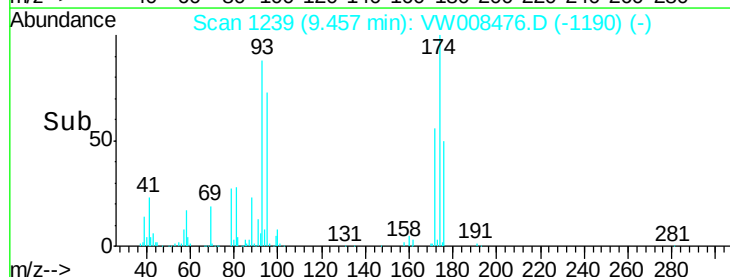
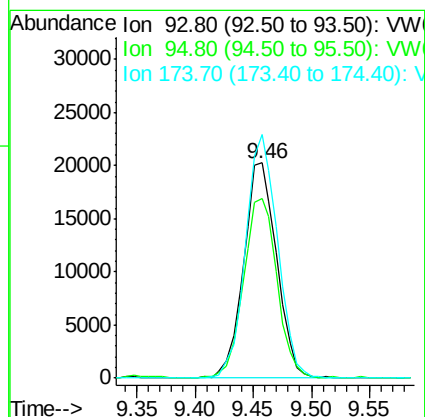
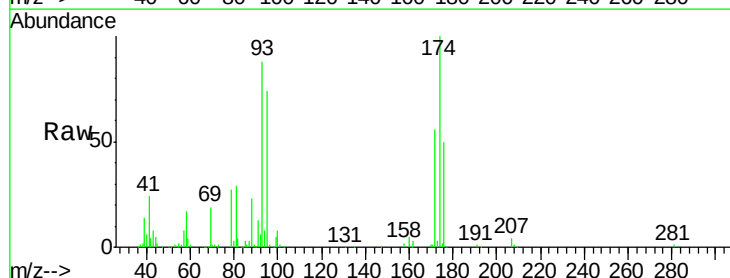
Tgt Ion: 93 Resp: 40129

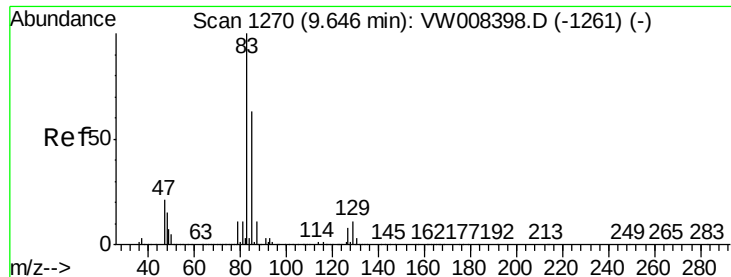
Ion Ratio Lower Upper

93 100

95 84.3 65.9 98.9

174 109.5 81.0 121.6





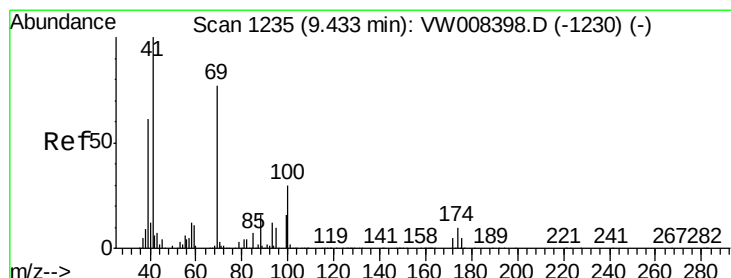
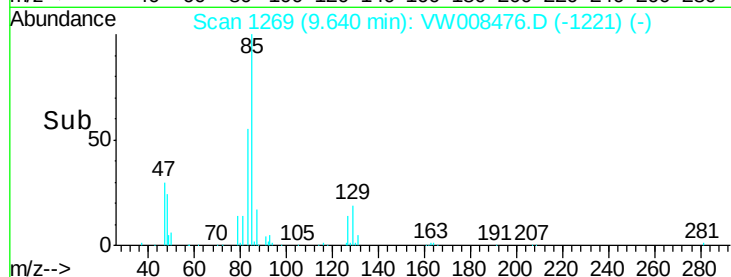
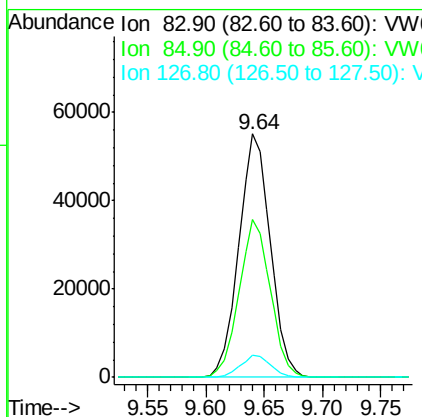
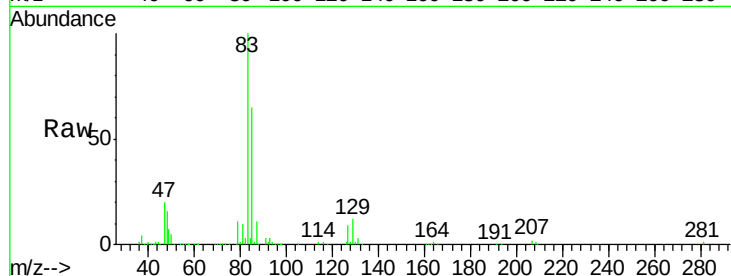
#47
Bromodichloromethane
Concen: 17.721 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	103778		
85	64.8	50.8	76.2	
127	9.1	6.8	10.2	

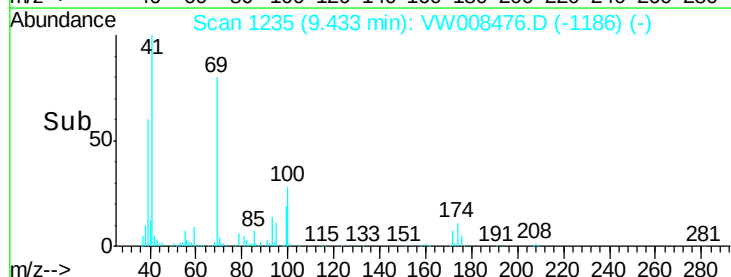
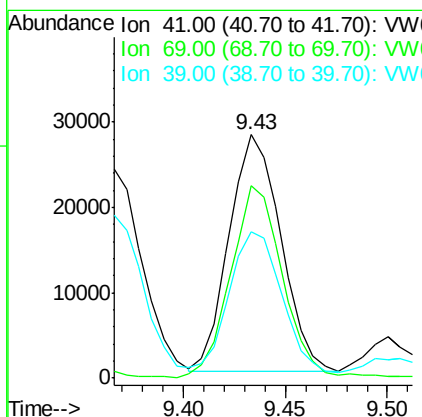
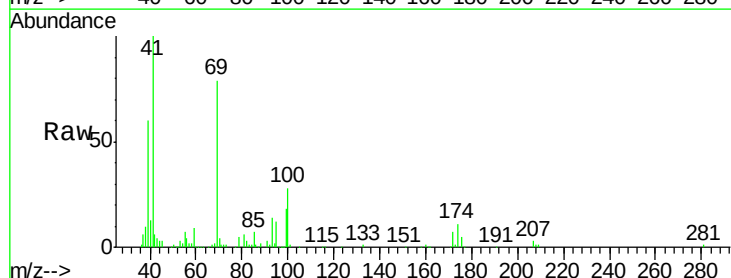
Manual Integrations
APPROVED

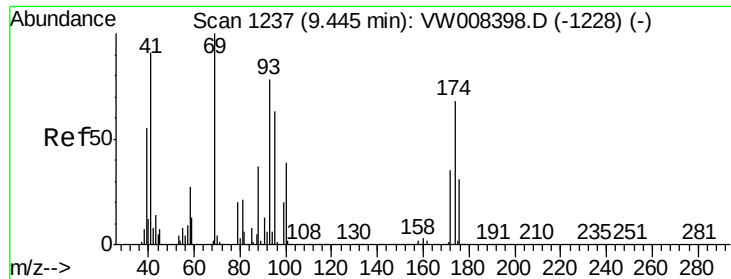
MMDadoda
2/4/2019 4:32:22 PM



#48
Methyl methacrylate
Concen: 17.374 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	48583		
69	81.7	64.8	97.2	
39	64.8	49.1	73.7	





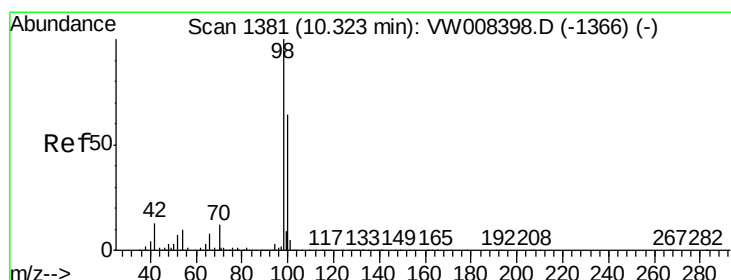
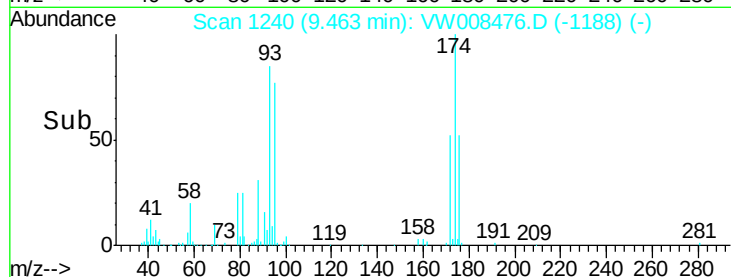
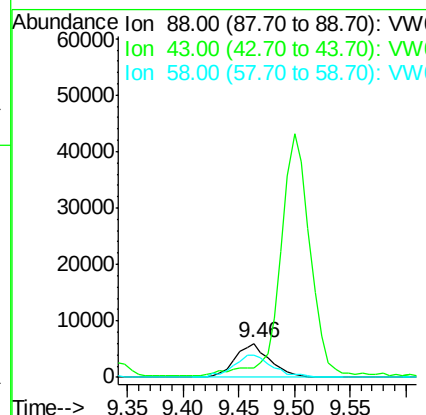
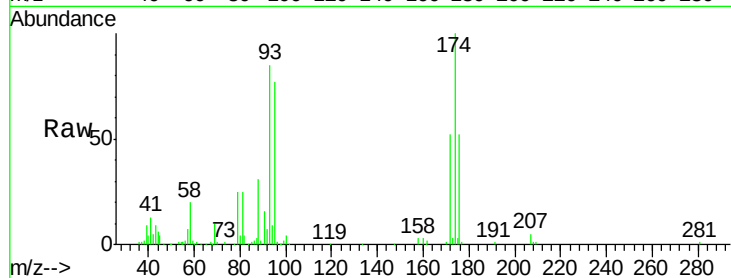
#49
1,4-Dioxane
Concen: 348.218 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	75.8	56.4	84.6

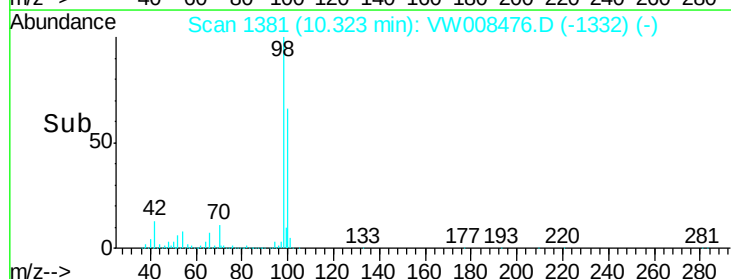
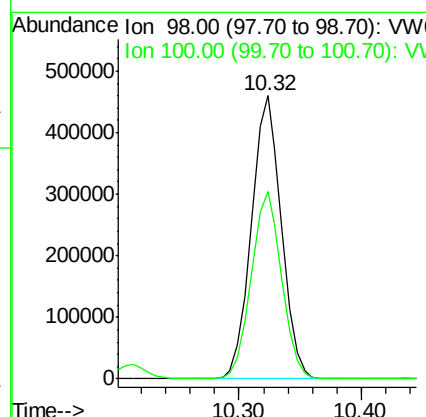
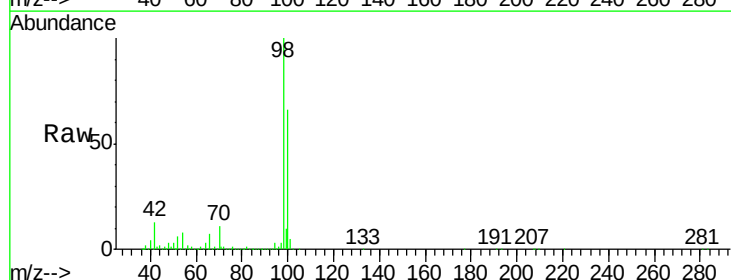
Manual Integrations
APPROVED

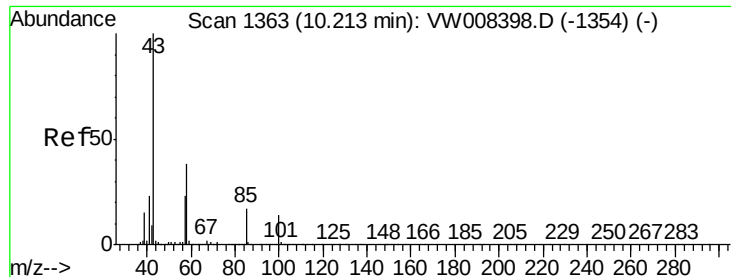
MMDadoda
2/4/2019 4:32:22 PM



#50
Toluene-d8
Concen: 50.723 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.6	78.8





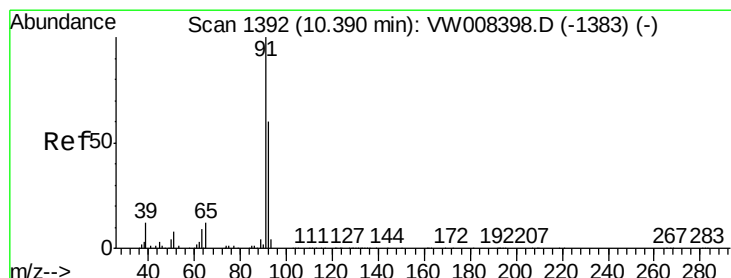
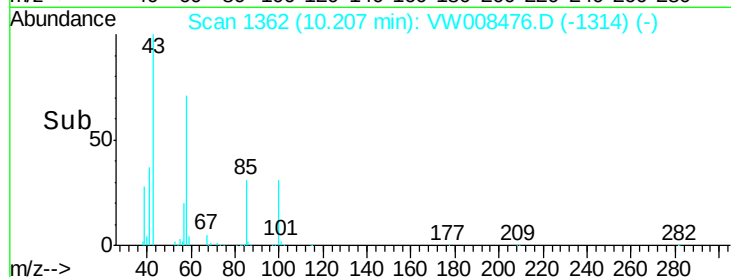
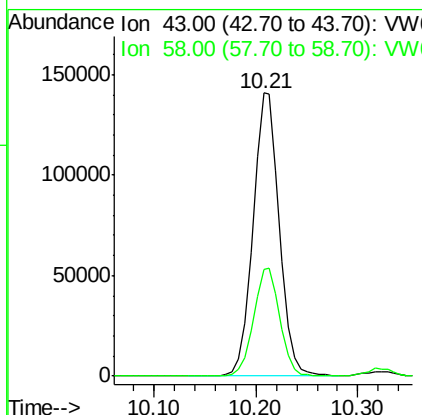
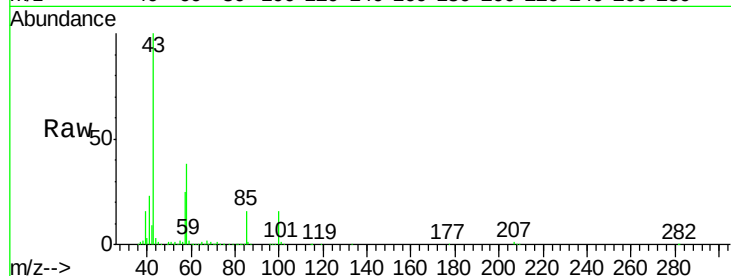
#51
4-Methyl-2-Pentanone
Concen: 89.171 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	29.7	44.5

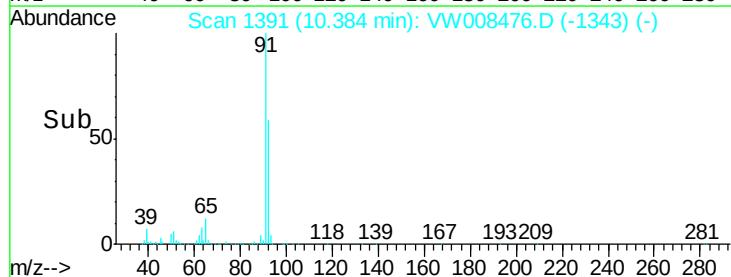
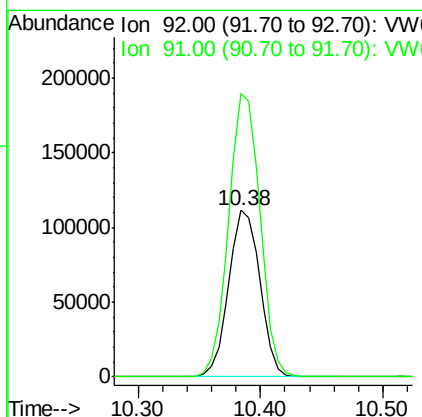
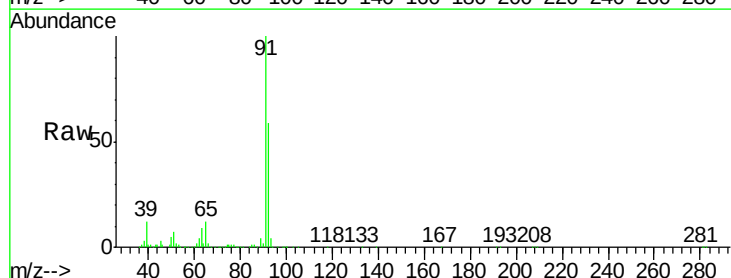
Manual Integrations
APPROVED

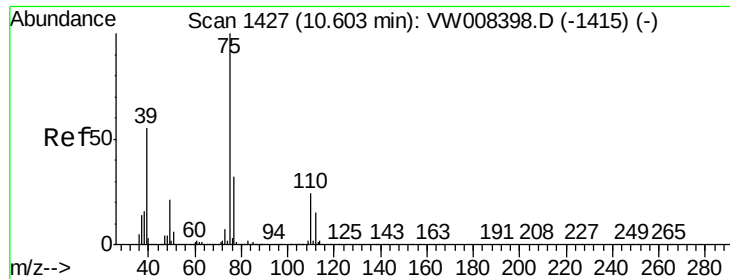
MMDadoda
2/4/2019 4:32:22 PM



#52
Toluene
Concen: 17.231 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.6	135.5	203.3





#53

t-1,3-Dichloropropene

Concen: 17.453 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBSD01

Tot Ion: 75 Resp: 108757

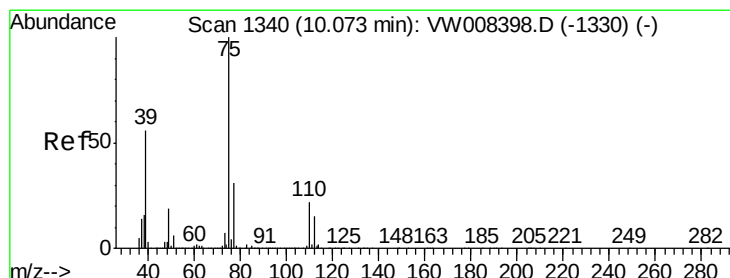
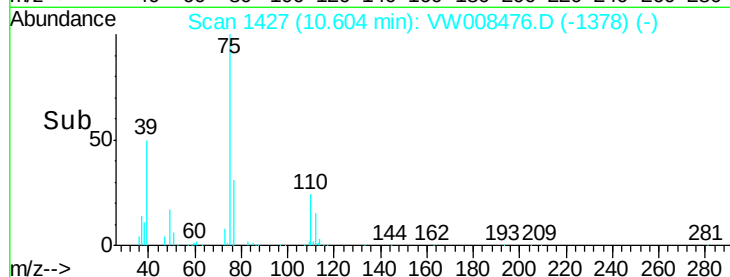
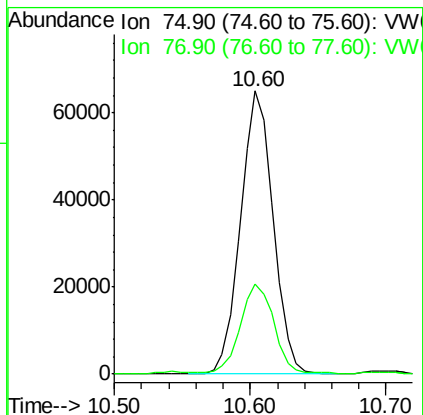
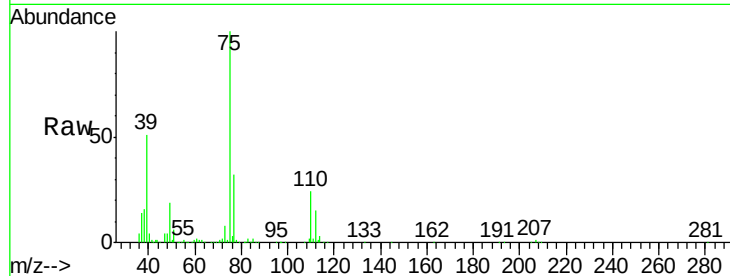
Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

Manual Integrations
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2/4/2019 4:32:22 PM



#54

cis-1,3-Dichloropropene

Concen: 17.545 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

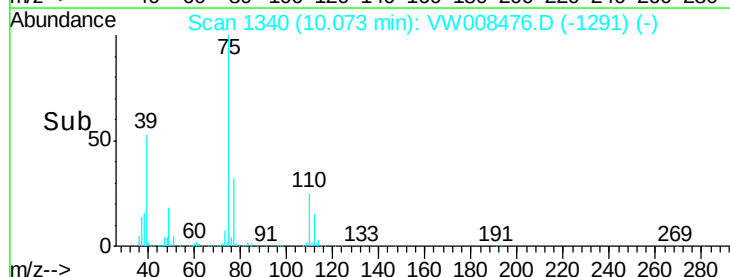
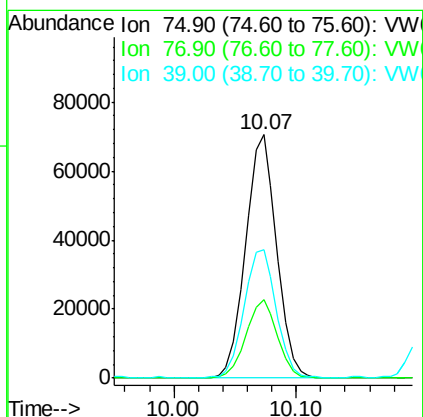
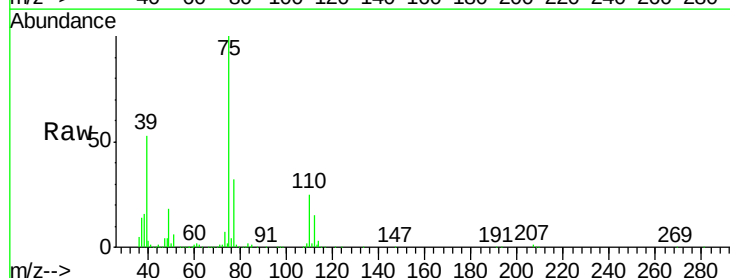
Tgt Ion: 75 Resp: 124075

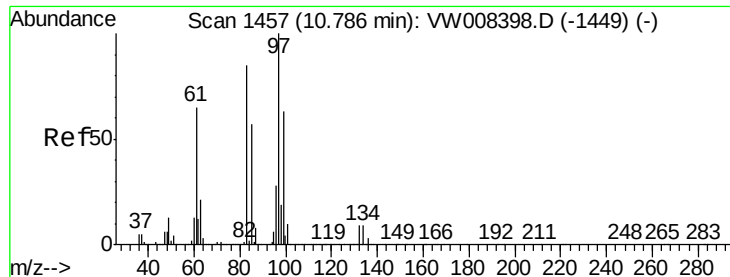
Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4

39 52.5 44.9 67.3





#55

1,1,2-Trichloroethane

Concen: 18.333 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

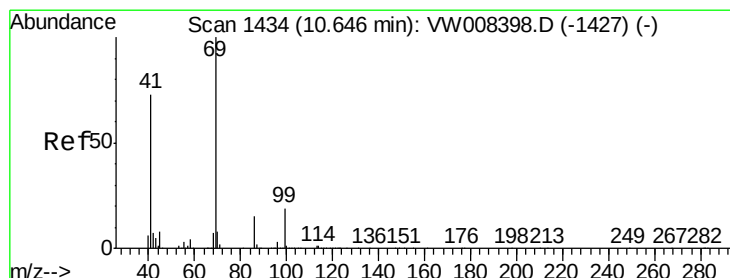
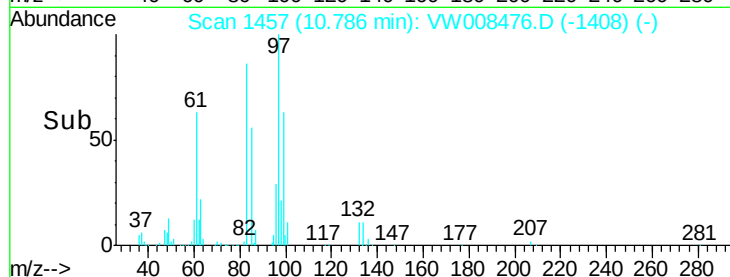
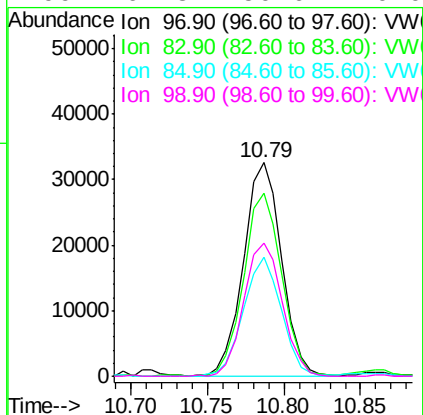
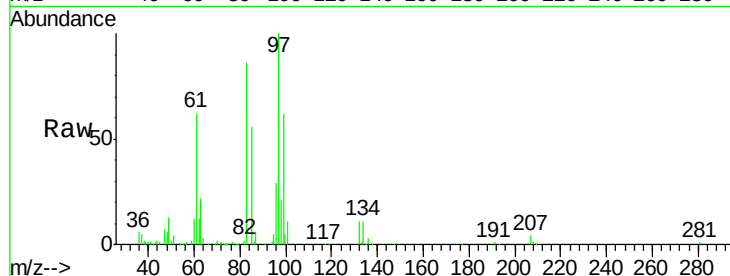
ClientSampleId :

VW0201SBSD01

Tot Ion:	97	Resp:	56301
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.4	102.6
85	55.6	45.3	67.9
99	62.3	50.6	76.0

Manual Integrations
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2/4/2019 4:32:22 PM



#56

Ethyl methacrylate

Concen: 17.650 ug/l

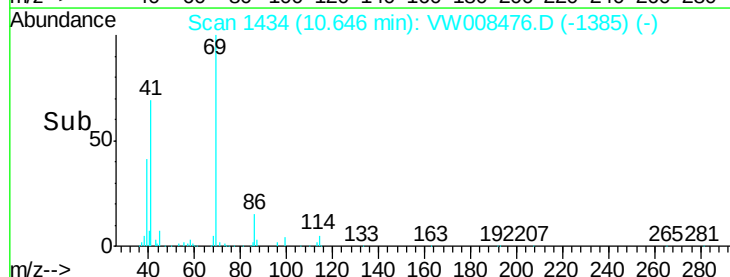
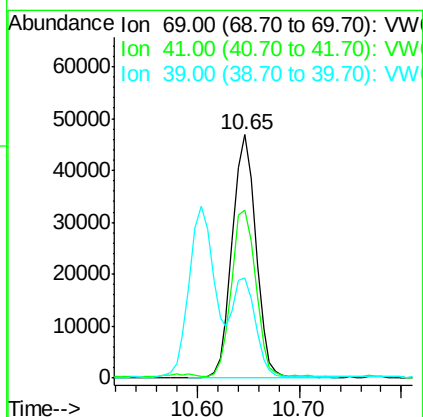
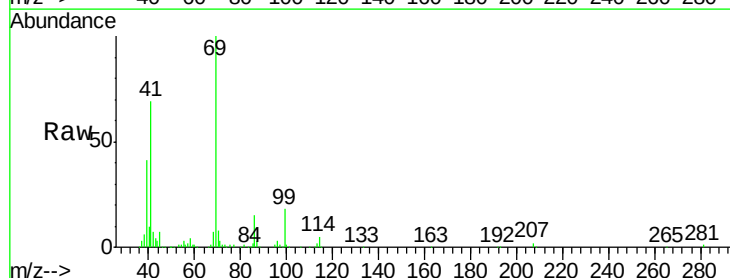
RT: 10.65 min Scan# 1434

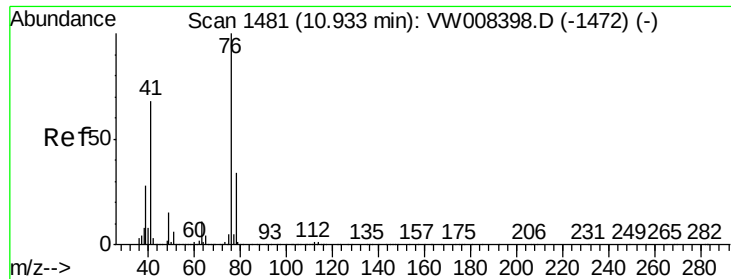
Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Tgt Ion:	69	Resp:	75950
Ion	Ratio	Lower	Upper
69	100		
41	68.8	58.7	88.1
39	38.4	32.6	48.8





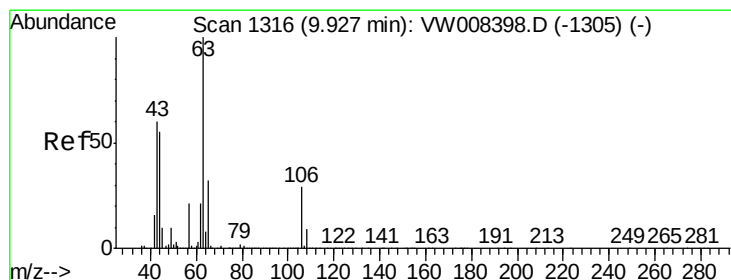
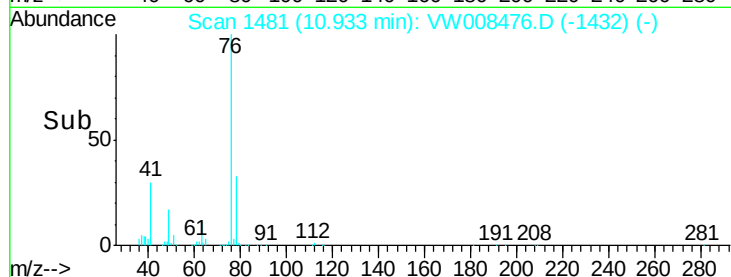
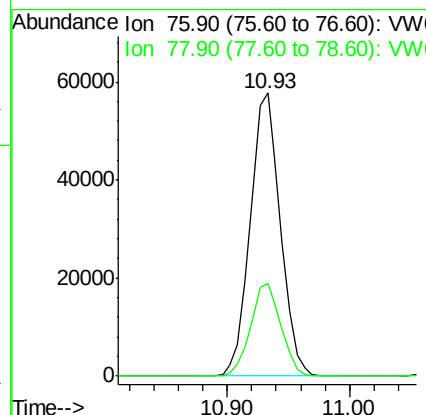
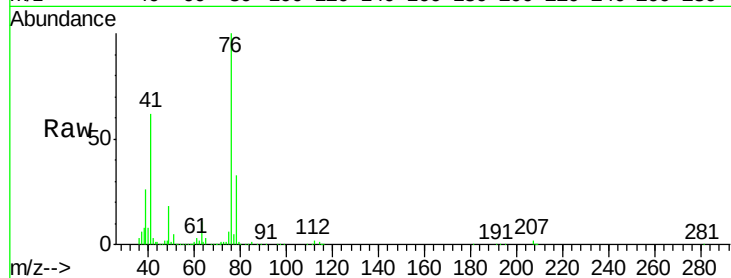
#57
 1,3-Dichloropropane
 Concen: 17.996 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

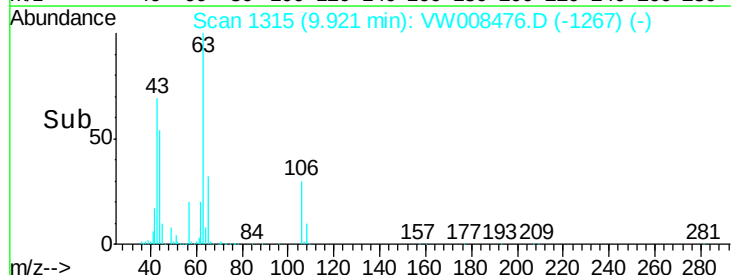
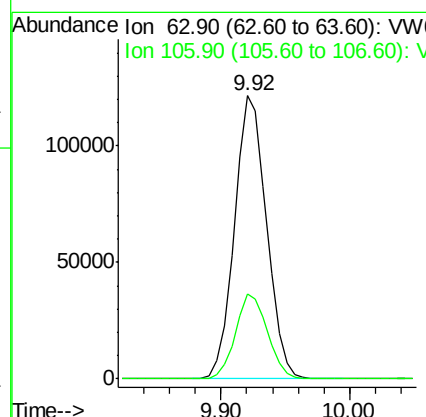
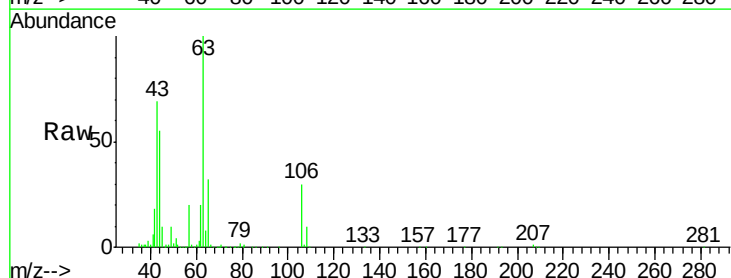
Manual Integrations
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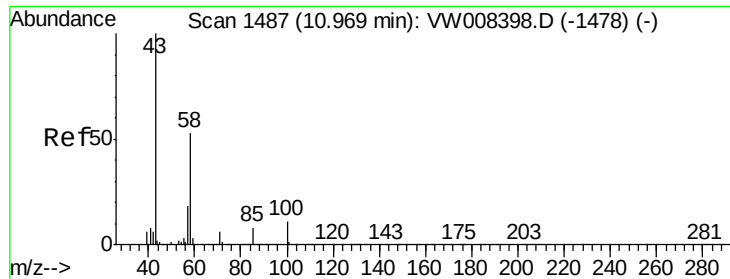
MMDadoda
 2/4/2019 4:32:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.640 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	22.4	33.6





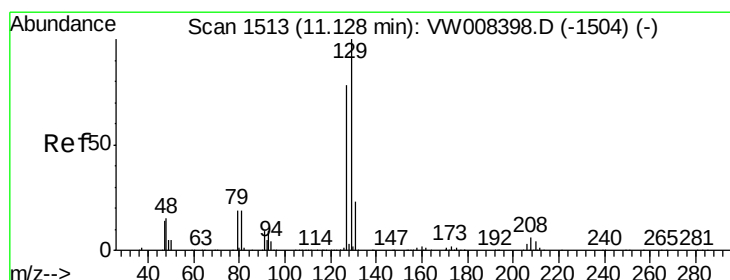
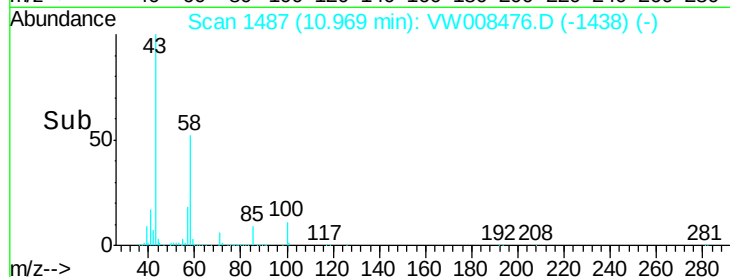
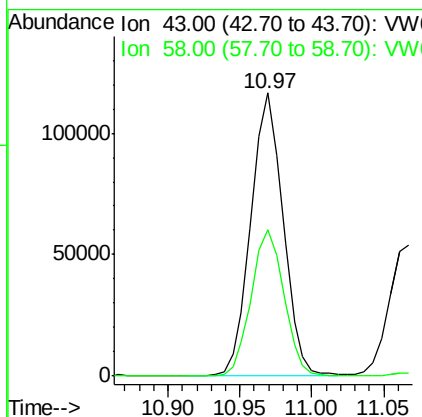
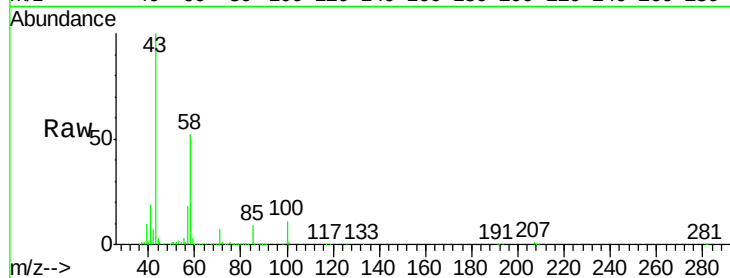
#59
2-Hexanone
Concen: 90.332 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion: 43 Resp: 180169
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.7

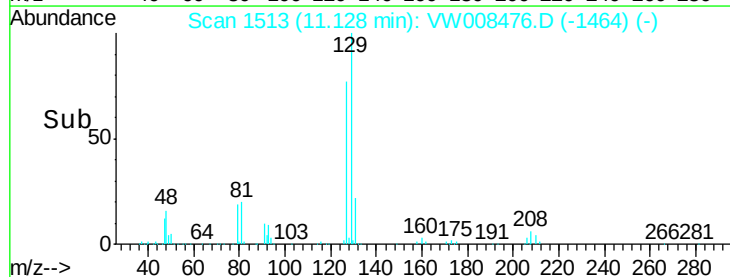
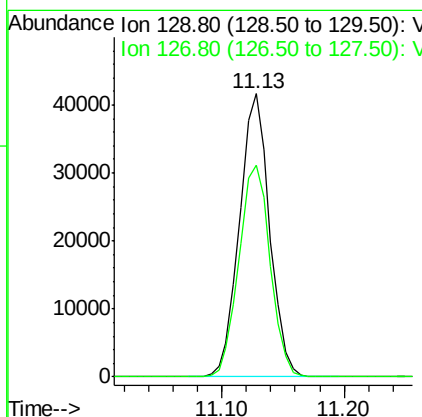
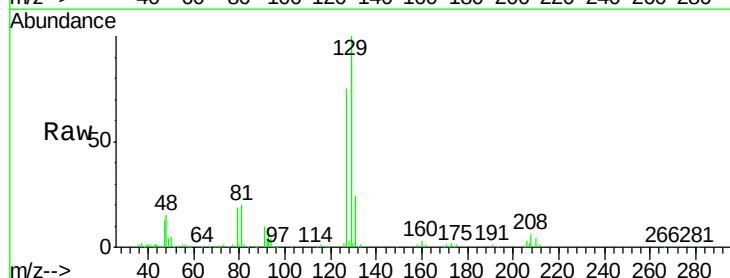
Manual Integrations
APPROVED

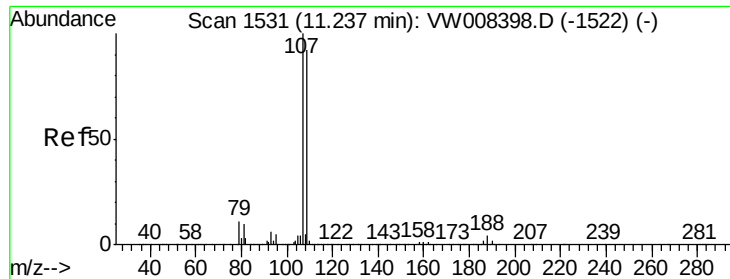
MMDadoda
2/4/2019 4:32:22 PM



#60
Dibromochloromethane
Concen: 17.998 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion: 129 Resp: 71031
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.253 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBSD01

Tot Ion: 107 Resp: 55582

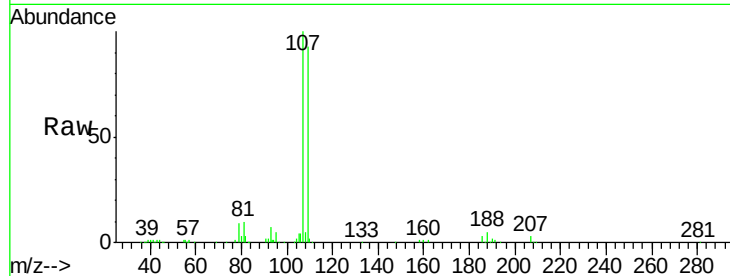
Ion Ratio Lower Upper

107 100

109 95.9 75.0 112.4

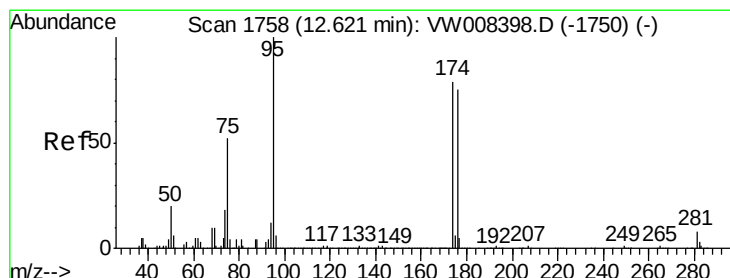
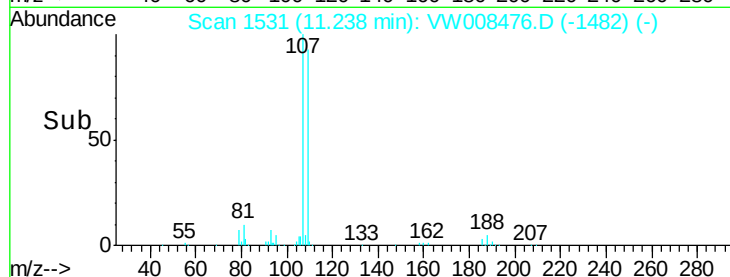
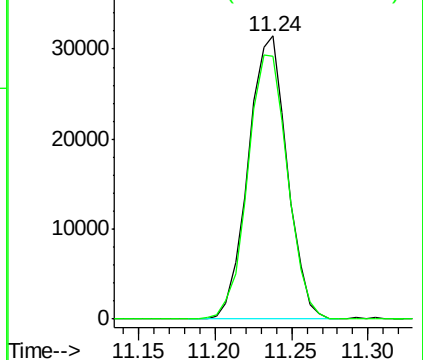
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.003 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

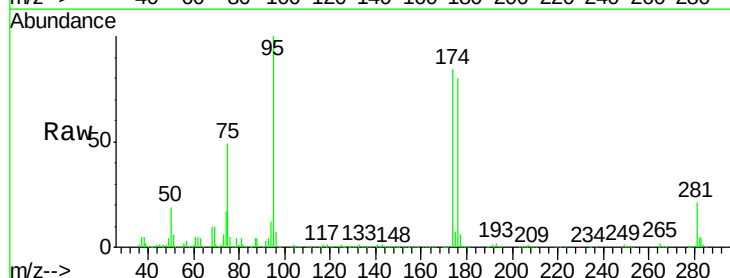
Tgt Ion: 95 Resp: 290909

Ion Ratio Lower Upper

95 100

174 83.4 0.0 157.6

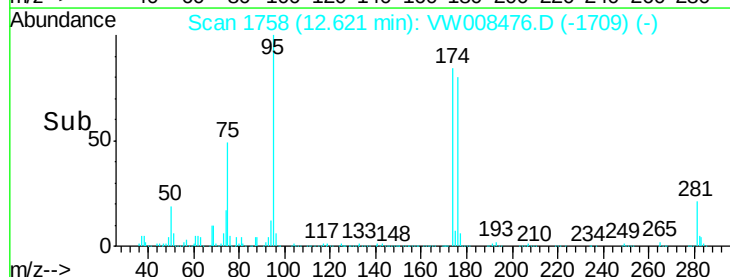
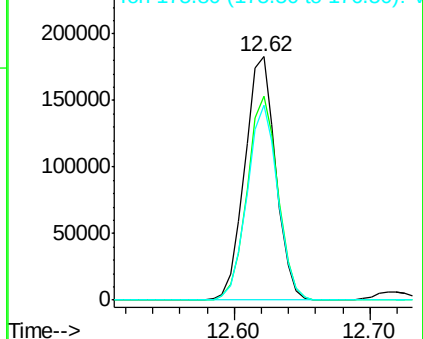
176 79.9 0.0 151.8

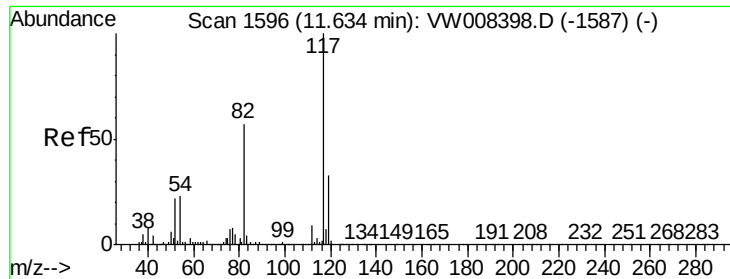


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





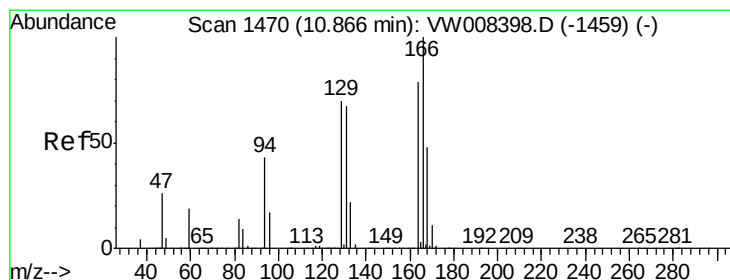
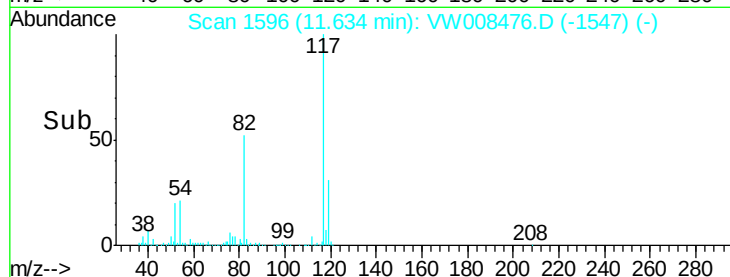
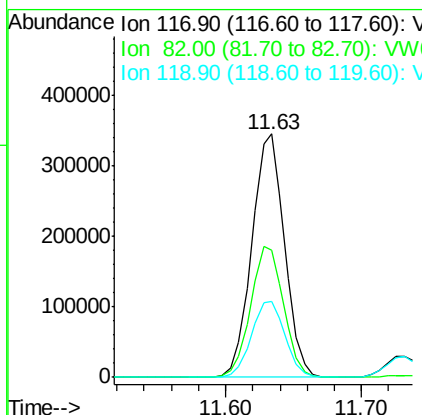
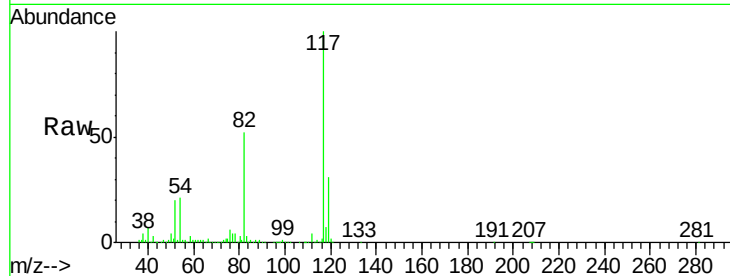
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	580028		
82	52.3		45.4	68.0
119	31.4		26.2	39.4

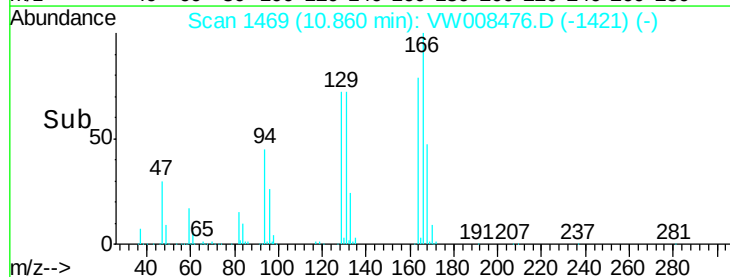
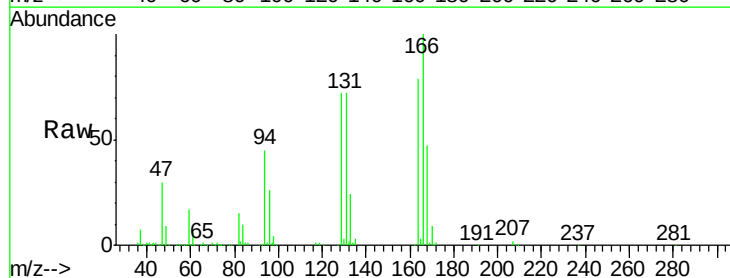
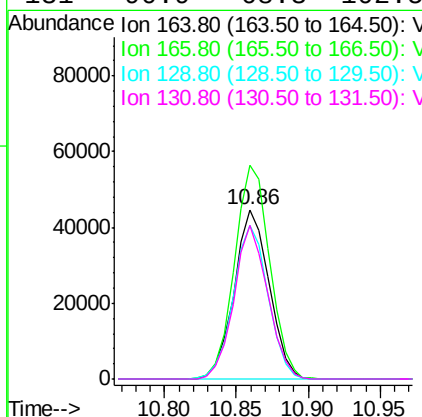
Manual Integrations
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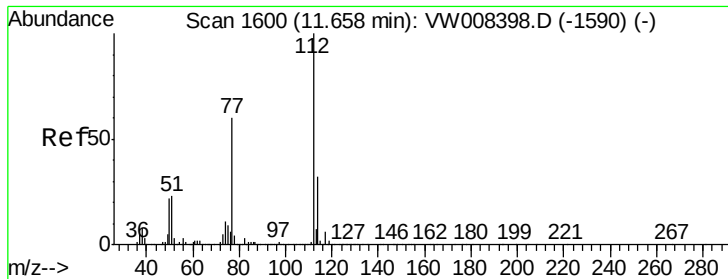
MMDadoda
2/4/2019 4:32:22 PM



#64
Tetrachloroethene
Concen: 19.209 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75435		
166	126.1		101.4	152.0
129	90.5		71.0	106.6
131	90.9		68.3	102.5





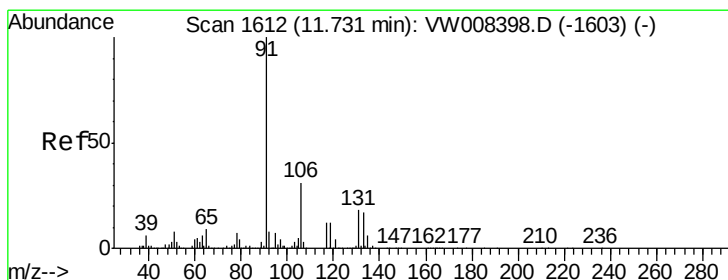
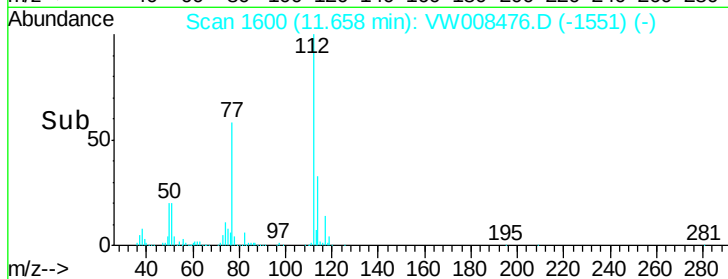
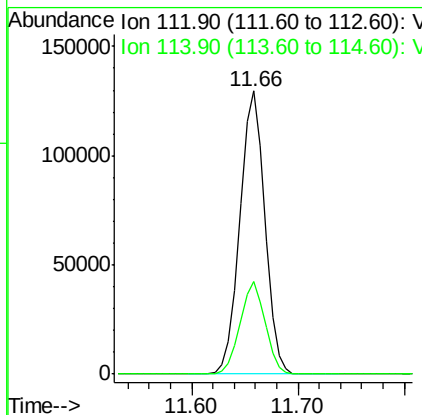
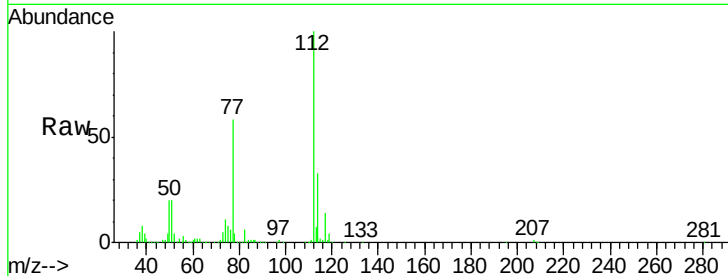
#65
Chlorobenzene
Concen: 18.088 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.4	38.2

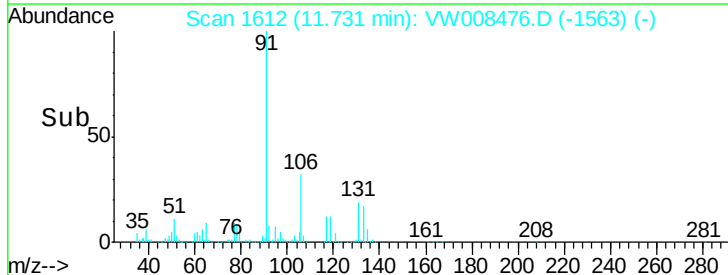
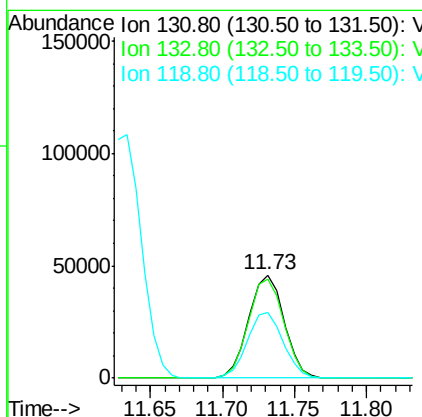
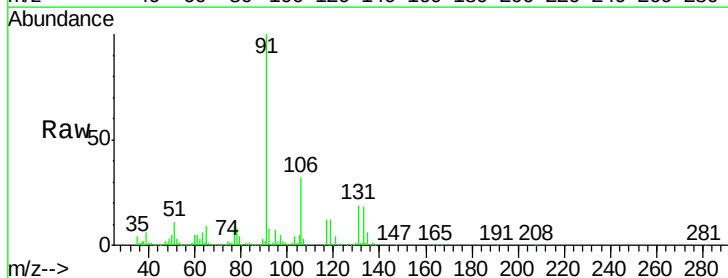
Manual Integrations
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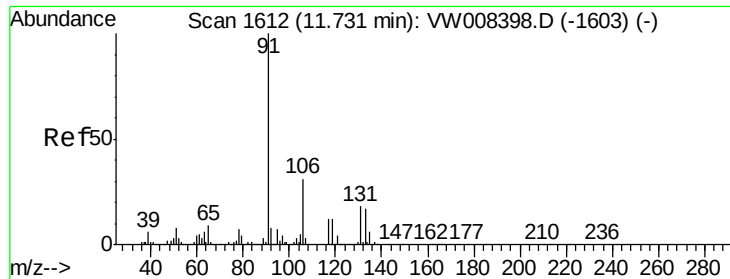
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.403 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.0	141.2
119	64.5	32.1	96.3





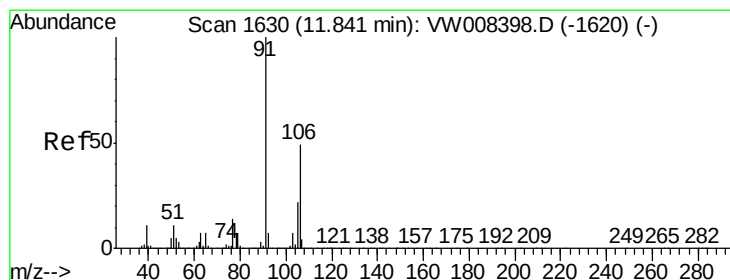
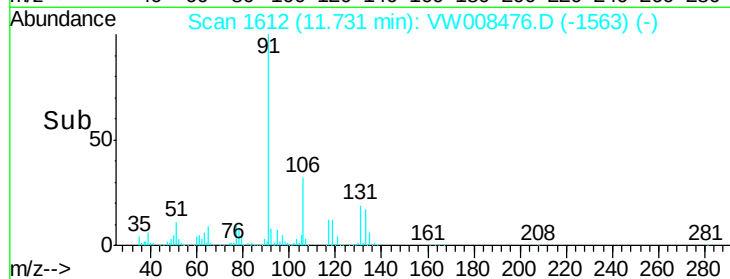
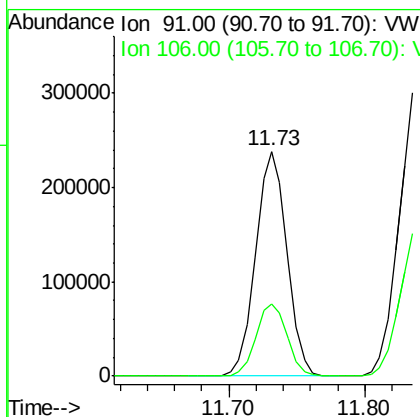
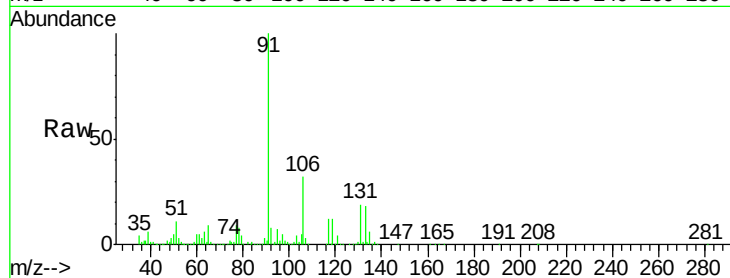
#67
Ethyl Benzene
Concen: 17.631 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion: 91 Resp: 383725
Ion Ratio Lower Upper
91 100
106 31.9 24.7 37.1

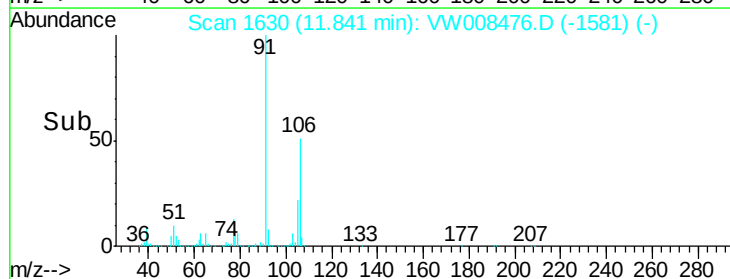
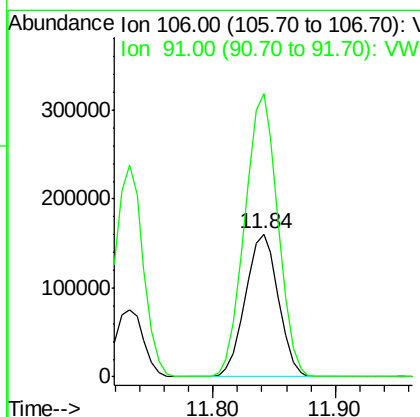
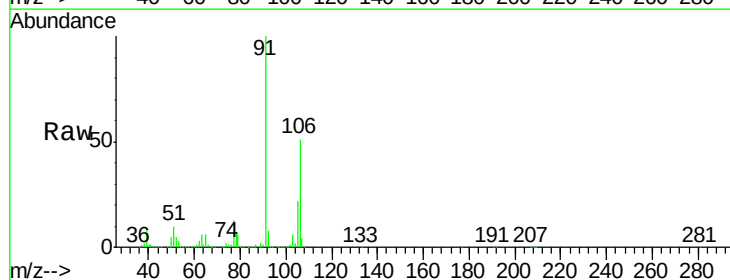
Manual Integrations
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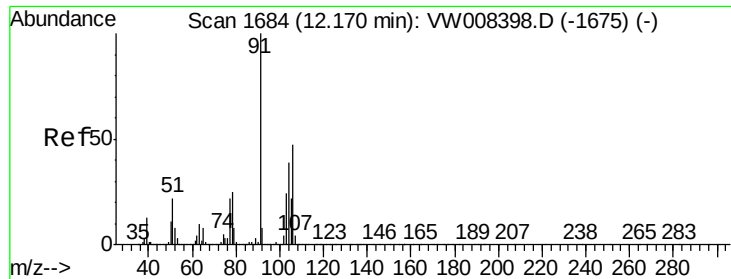
MMDadoda
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#68
m/p-Xylenes
Concen: 35.701 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion: 106 Resp: 301479
Ion Ratio Lower Upper
106 100
91 198.7 162.9 244.3





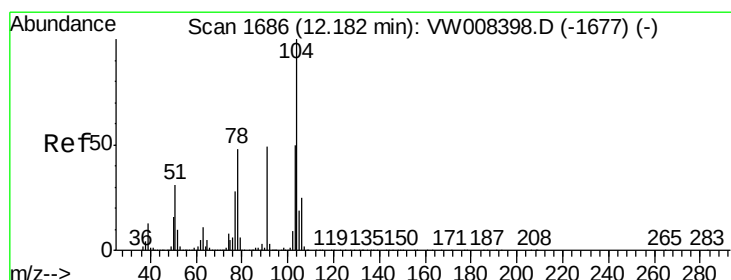
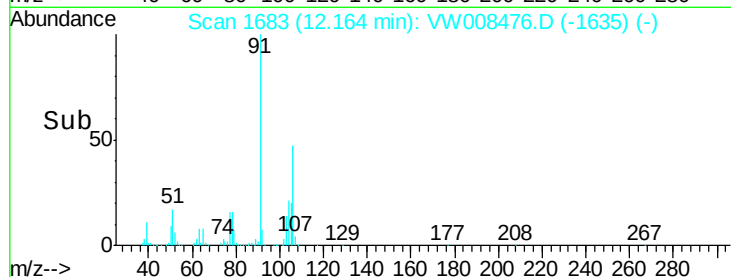
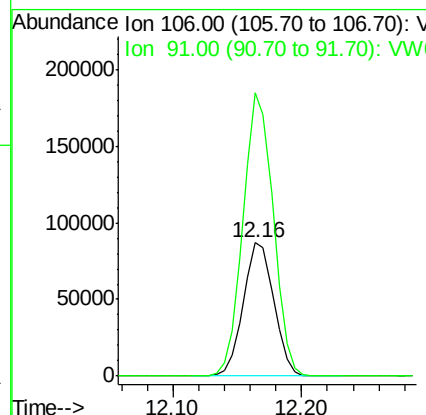
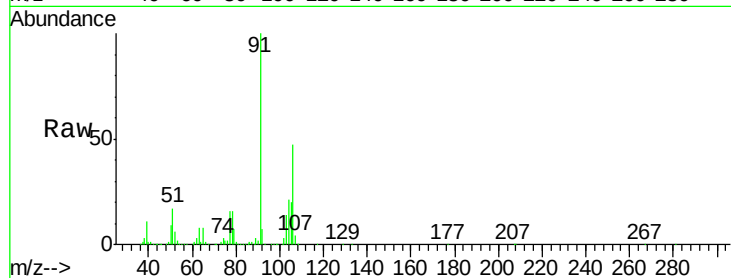
#69
o-Xylene
Concen: 17.750 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.1	107.5	322.4

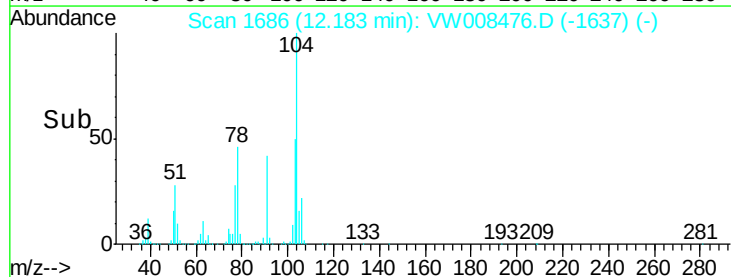
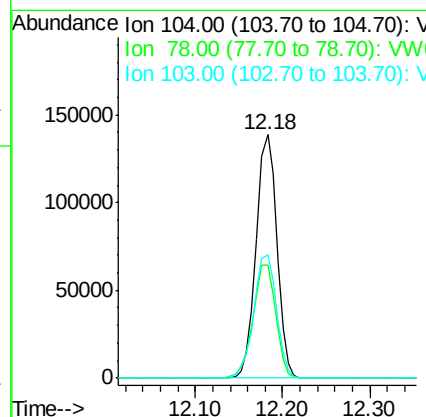
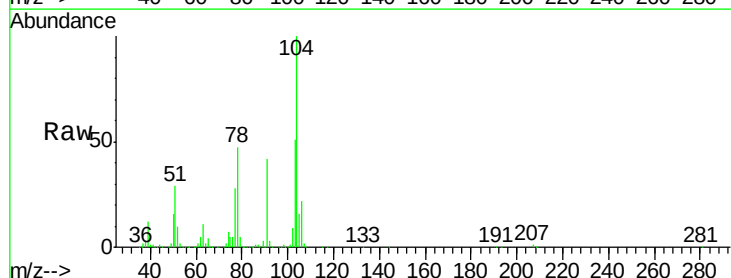
Manual Integrations
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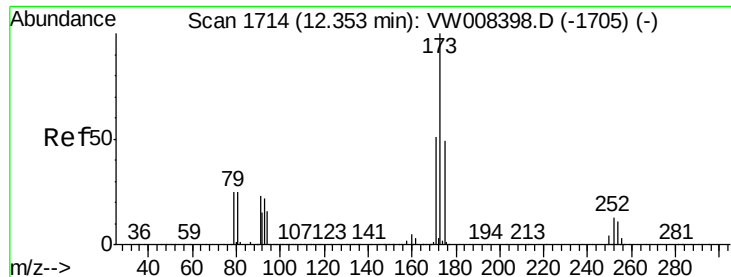
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#70
Styrene
Concen: 17.224 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	42.4	63.6
103	55.3	43.4	65.0





#71

Bromoform

Concen: 19.117 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

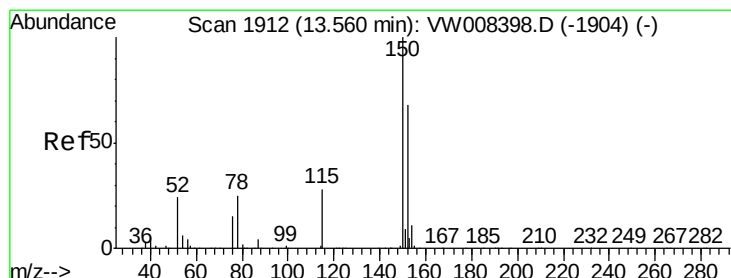
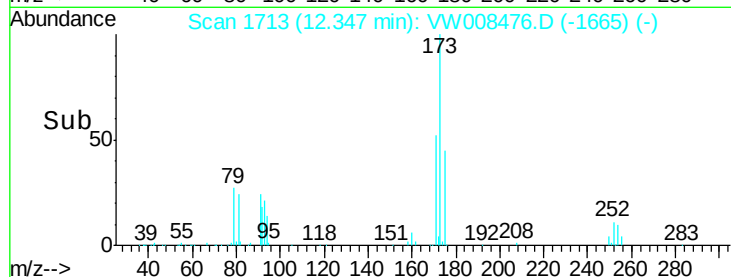
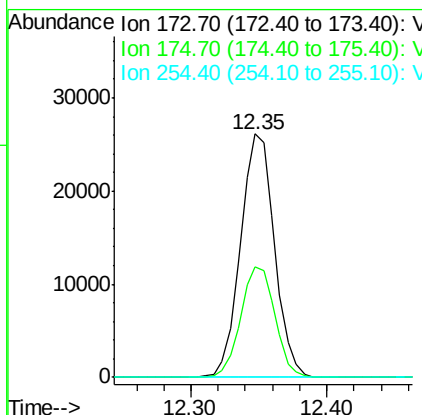
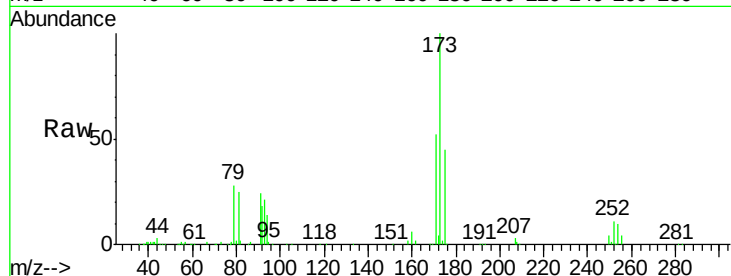
ClientSampleId :

VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.7	24.4	73.4
254	0.1	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

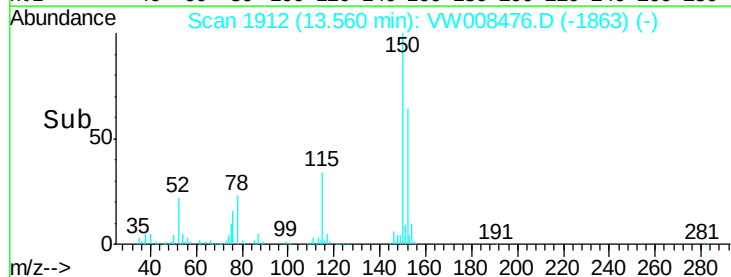
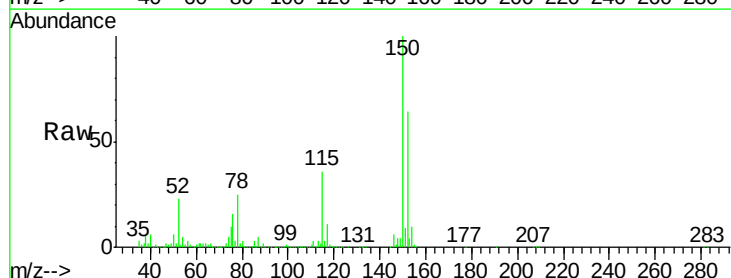
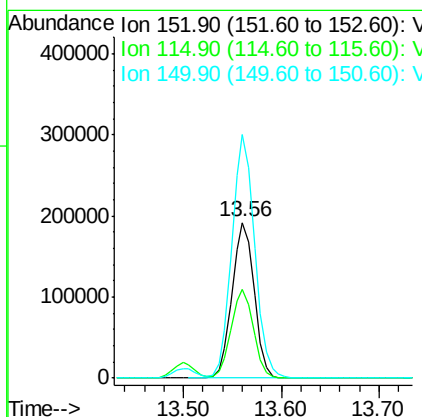
RT: 13.56 min Scan# 1912

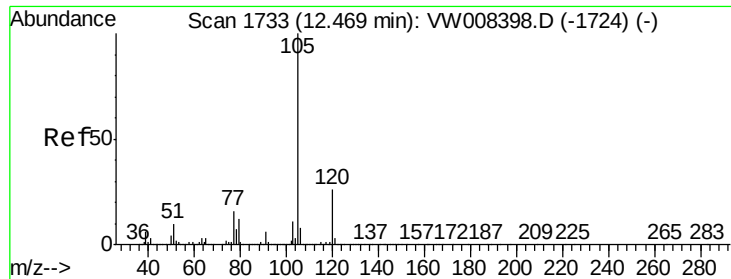
Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.9	89.7
150	162.0	0.0	351.4





#73

Isopropylbenzene

Concen: 17.545 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBSD01

Tot Ion: 105 Resp: 391984

Ion Ratio Lower Upper

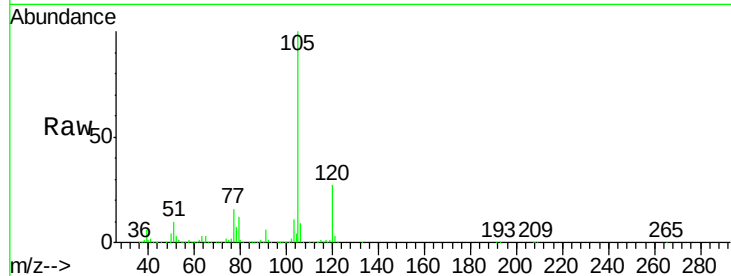
105 100

120 27.0 13.3 39.8

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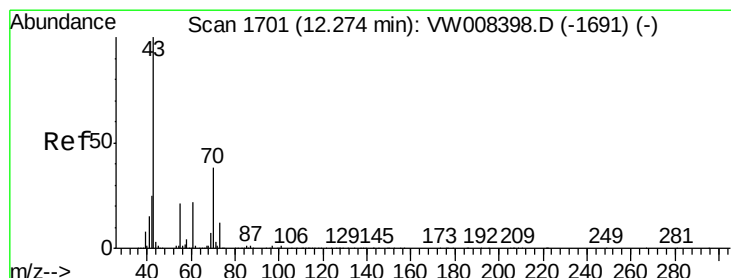
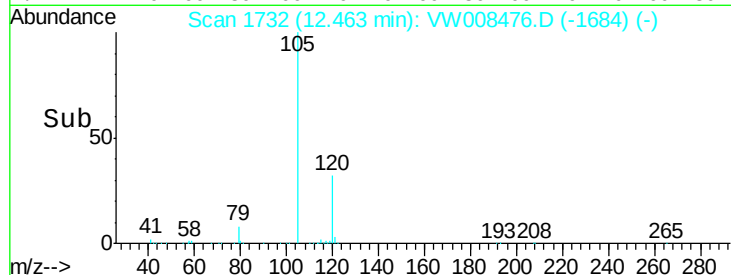
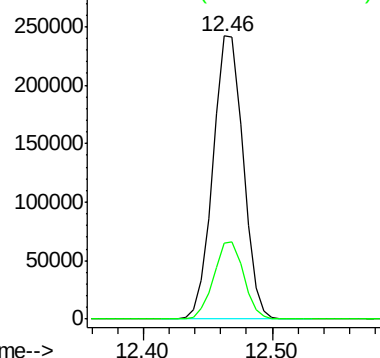
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.952 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Tgt Ion: 43 Resp: 97568

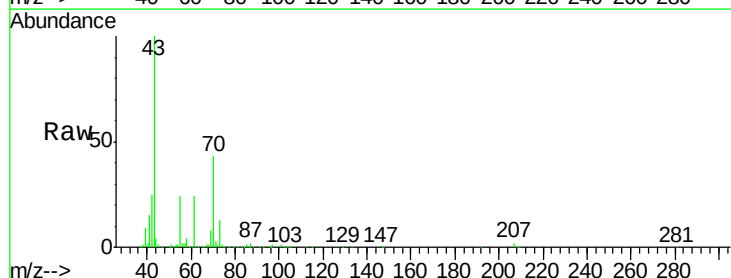
Ion Ratio Lower Upper

43 100

70 41.5 31.0 46.6

55 22.9 17.4 26.2

61 23.4 18.2 27.4

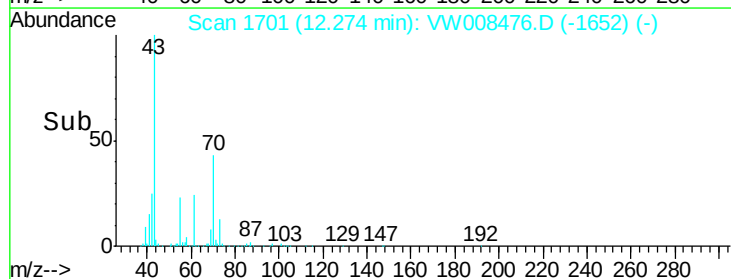
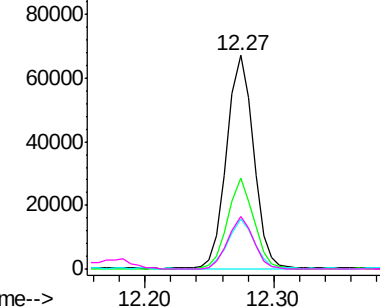


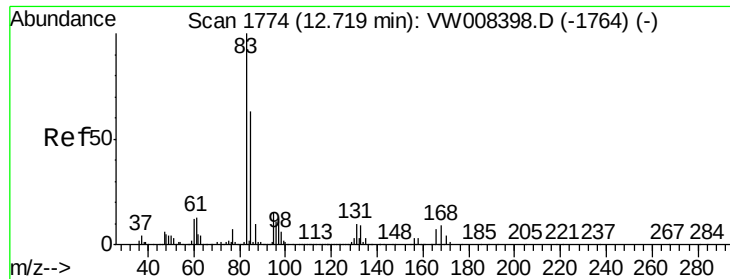
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 18.691 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

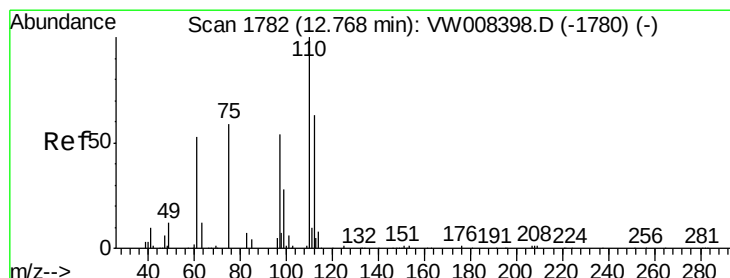
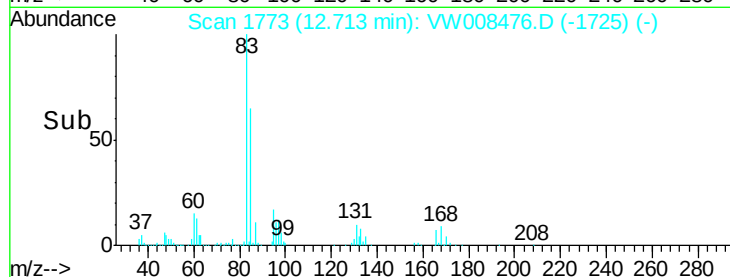
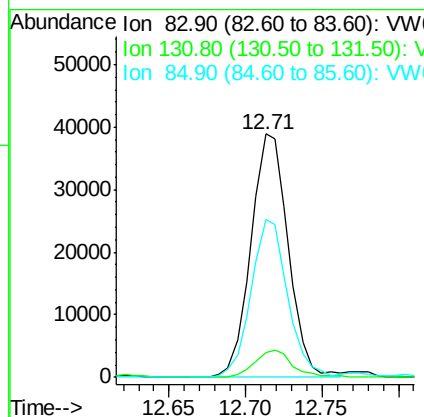
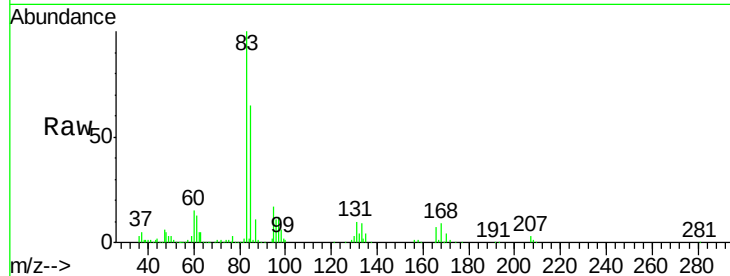
ClientSampleId :

VW0201SBSD01

Tot Ion:	83	Resp:	66111
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.4
85	63.3	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 18.060 ug/l m

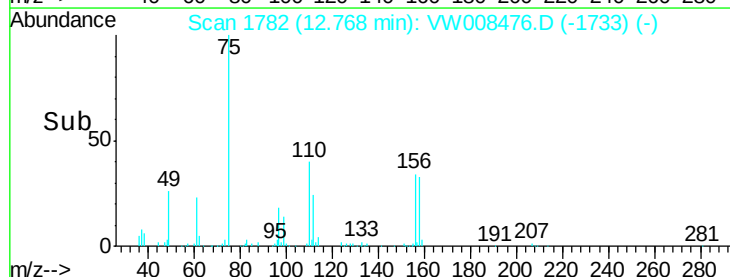
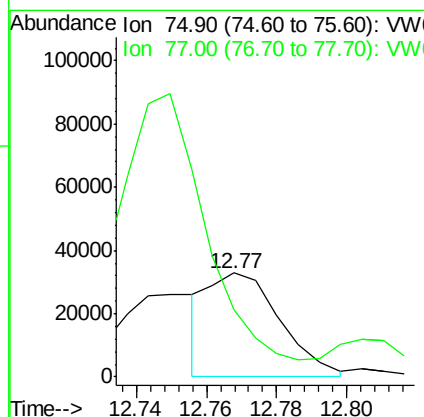
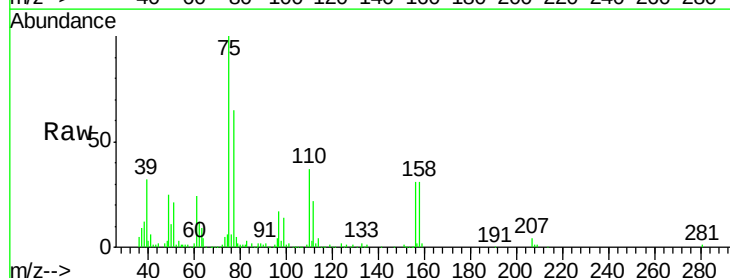
RT: 12.77 min Scan# 1782

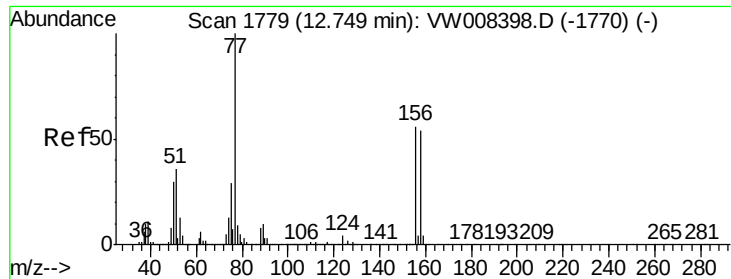
Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Tgt Ion:	75	Resp:	47055
Ion Ratio	Lower	Upper	
75	100		
77	345.8	180.7	542.1





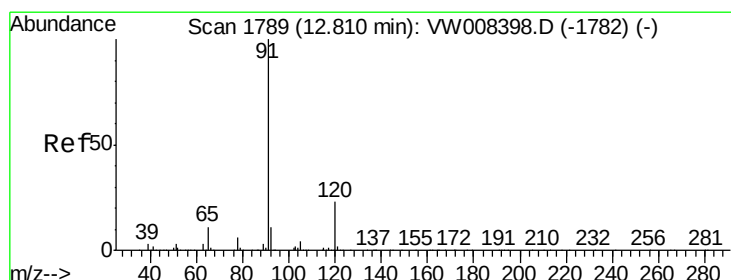
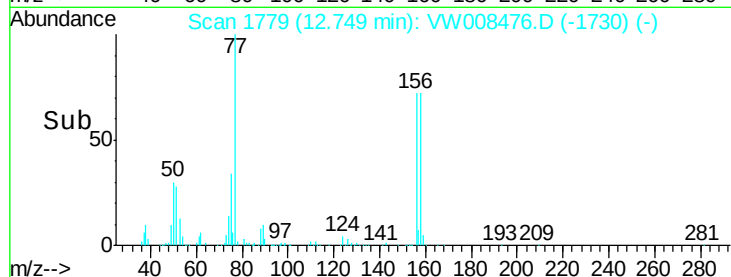
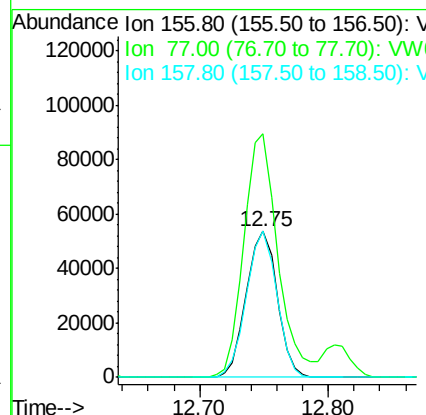
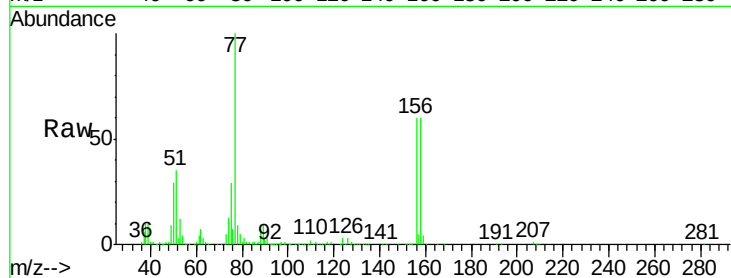
#77
Bromobenzene
Concen: 18.365 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.6	96.9	290.7
158	97.7	48.8	146.4

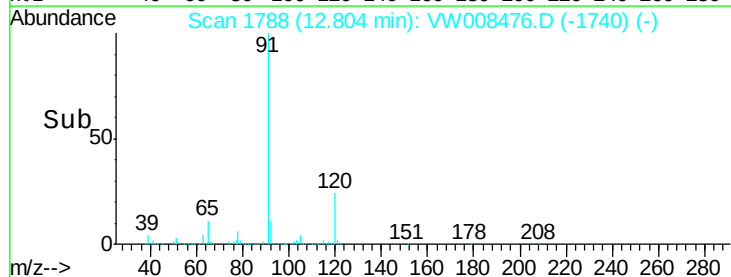
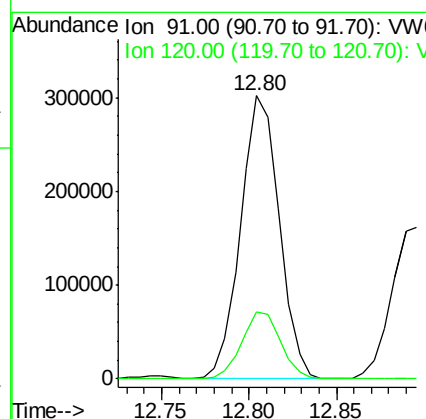
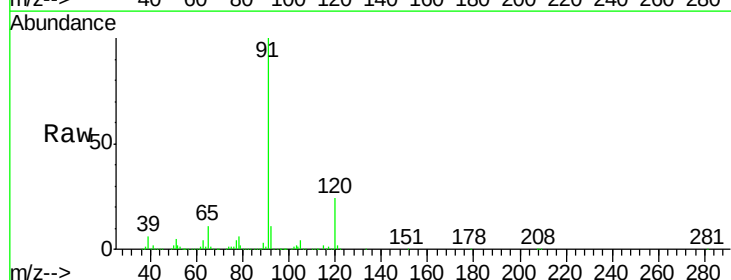
Manual Integrations
APPROVED

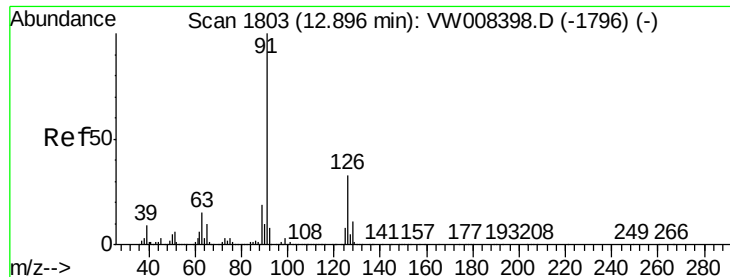
MMDadoda
2/4/2019 4:32:22 PM



#78
n-propylbenzene
Concen: 17.243 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.4	34.1





#79

2-Chlorotoluene

Concen: 17.401 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBSD01

Tot Ion: 91 Resp: 263485

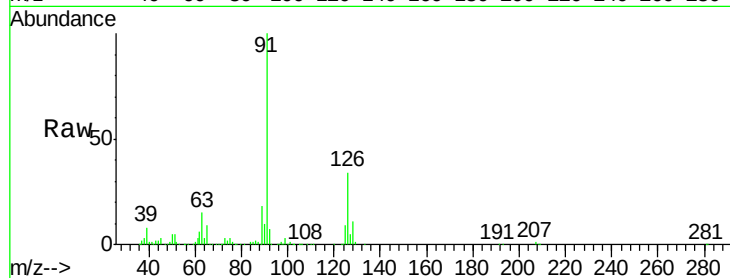
Ion Ratio Lower Upper

91 100

126 34.2 16.5 49.5

Manual Integrations
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2/4/2019 4:32:22 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

200000

150000

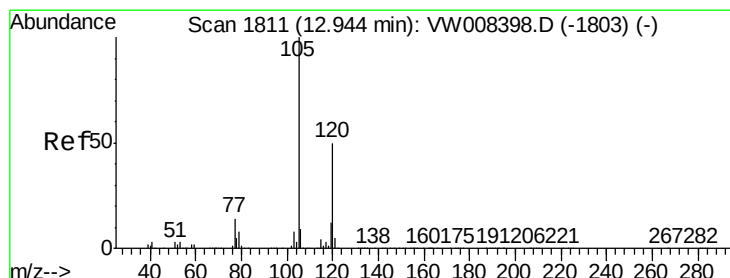
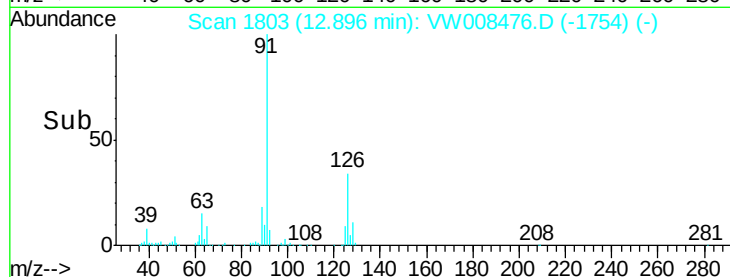
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.305 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008476.D

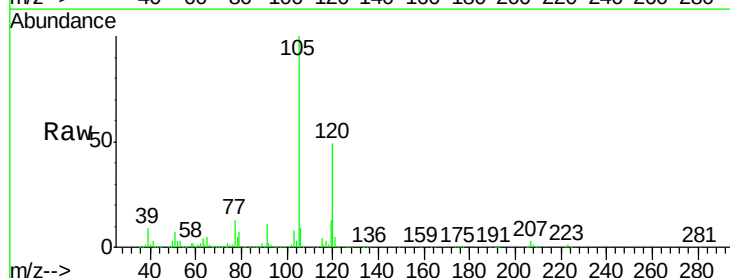
Acq: 01 Feb 2019 12:45

Tgt Ion: 105 Resp: 323151

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

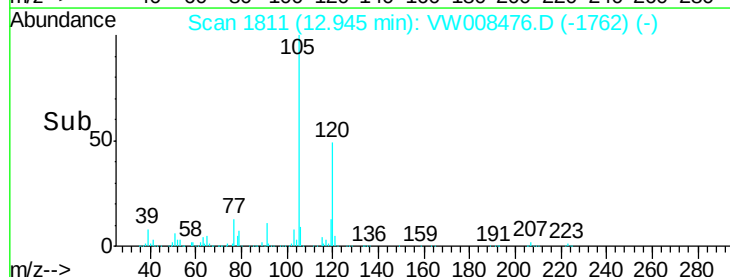
100000

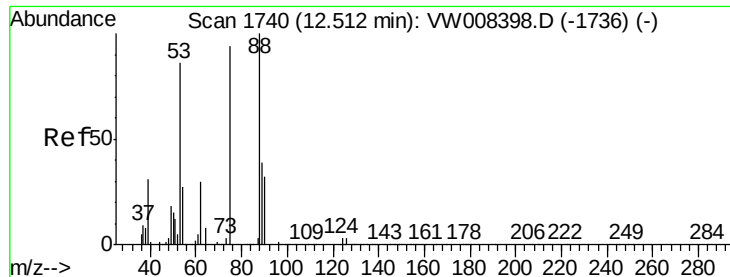
50000

0

12.90 13.00

Time-->





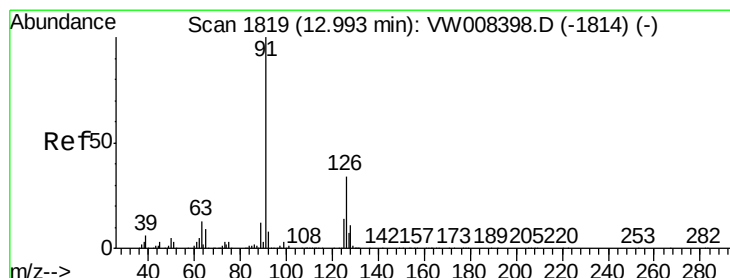
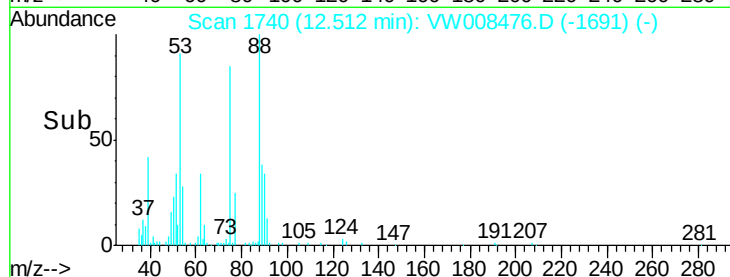
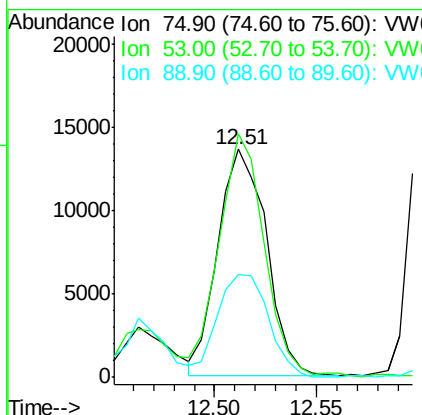
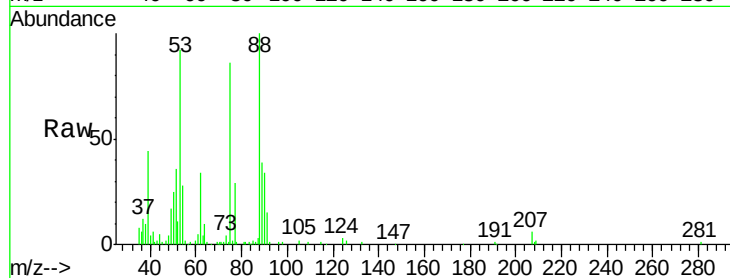
#81
trans-1,4-Dichloro-2-butene
Concen: 17.040 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.6	76.0	114.0
89	48.1	35.4	53.0

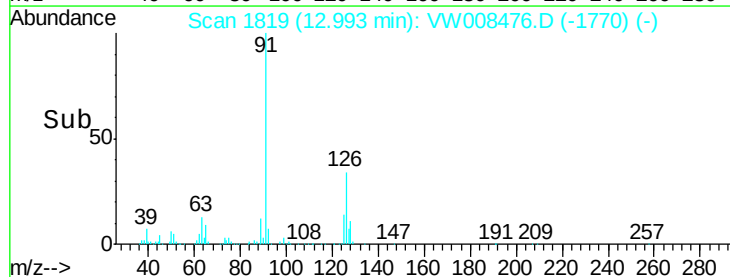
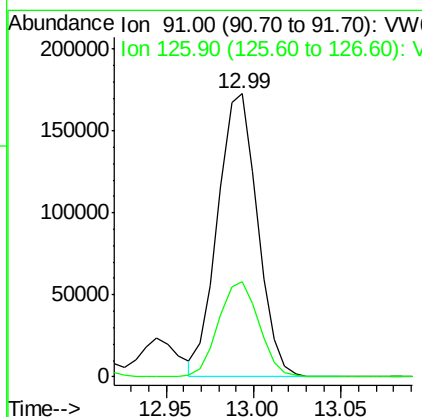
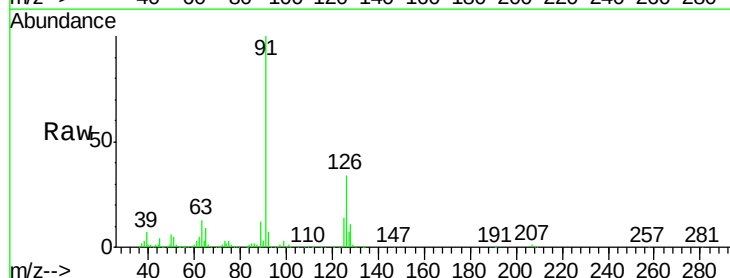
Manual Integrations
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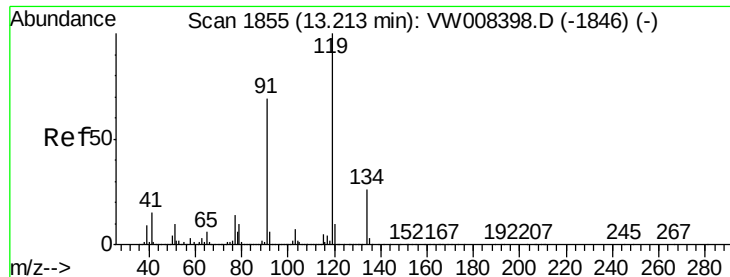
MMDadoda
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#82
4-Chlorotoluene
Concen: 16.917 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.4	49.2





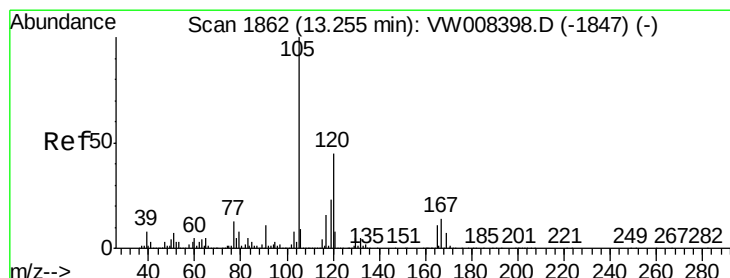
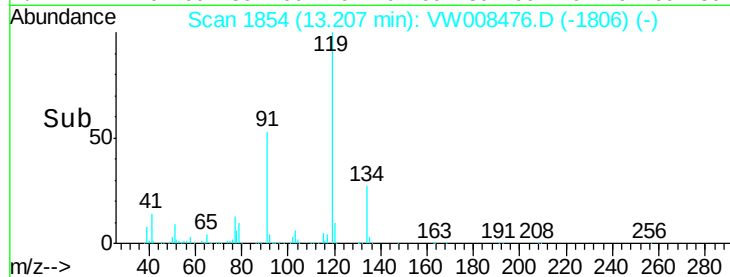
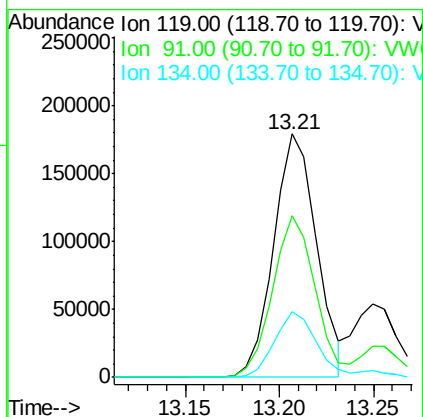
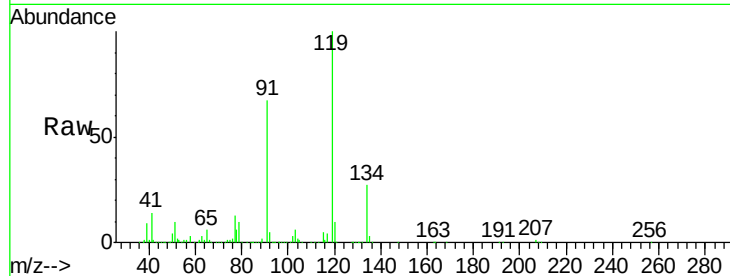
#83
tert-Butylbenzene
Concen: 17.059 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283480		
91	66.5	33.8	101.4	
134	28.2	13.5	40.4	

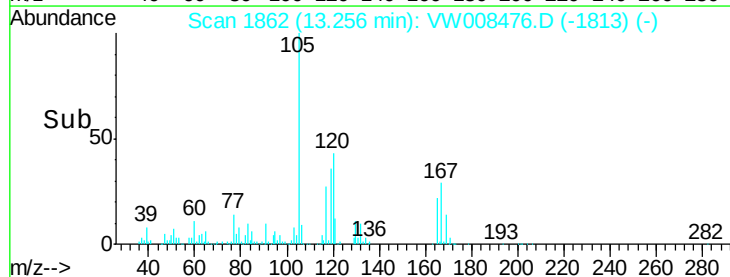
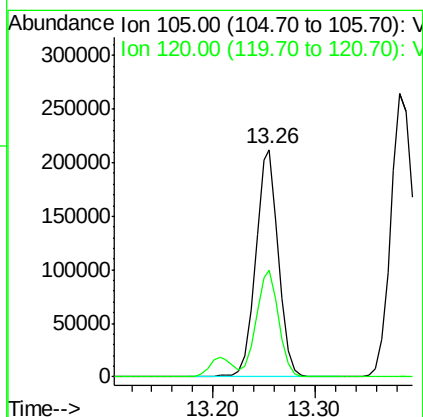
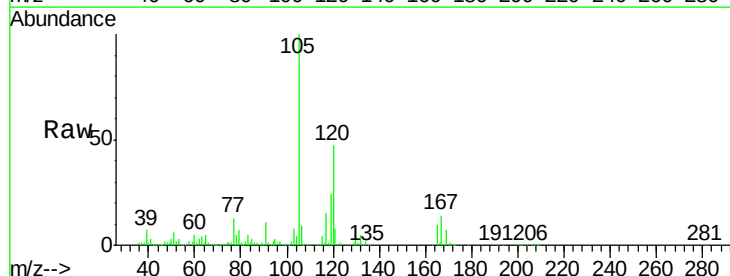
Manual Integrations
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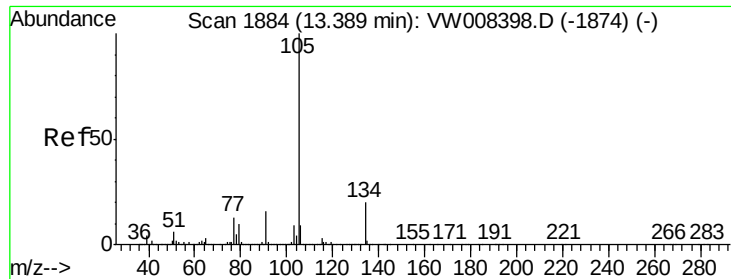
MMDadoda
2/4/2019 4:32:22 PM



#84
1,2,4-Trimethylbenzene
Concen: 17.253 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	327475		
120	46.6	23.1	69.2	





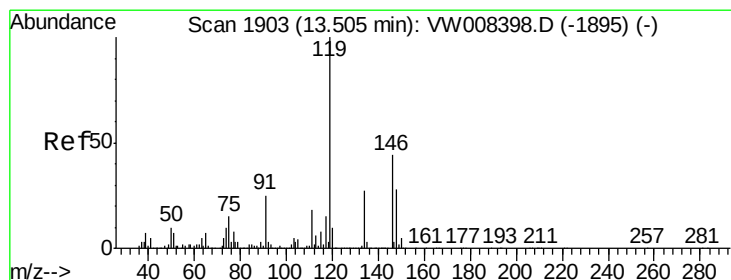
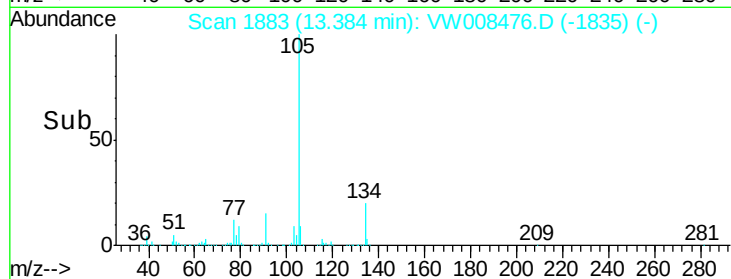
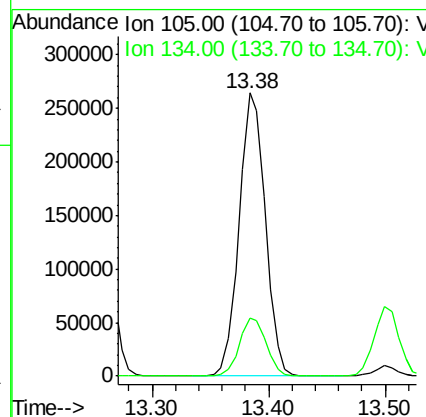
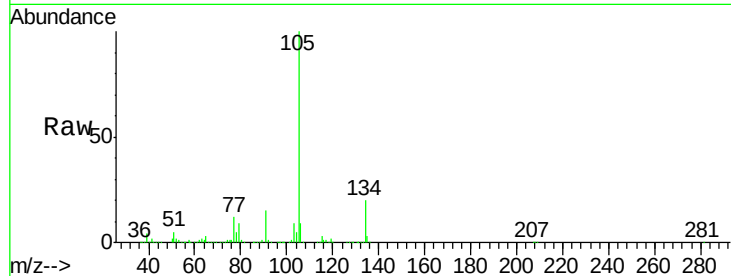
#85
 sec-Butylbenzene
 Concen: 17.446 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.2	30.6

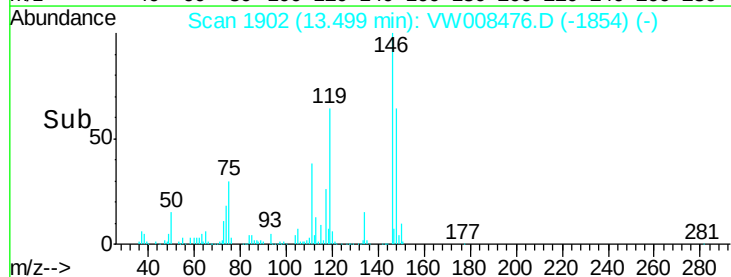
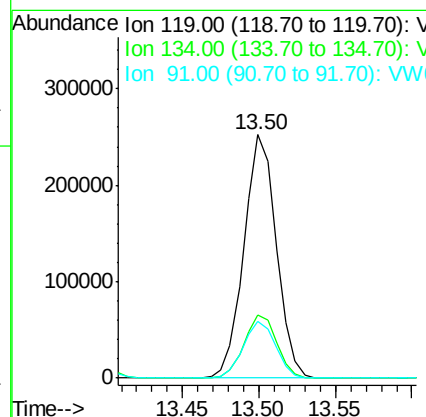
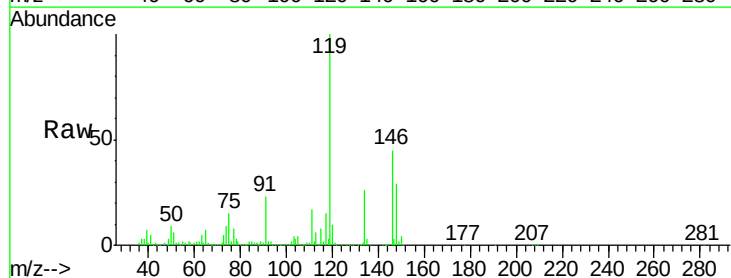
Manual Integrations
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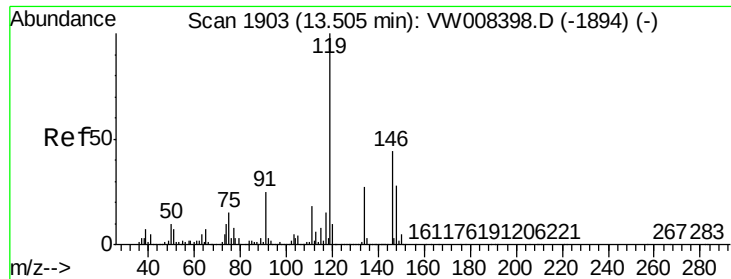
MMDadoda
 2/4/2019 4:32:22 PM



#86
 p-Isopropyltoluene
 Concen: 17.804 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.4	40.2
91	23.6	12.6	37.6





#87

1,3-Dichlorobenzene

Concen: 18.221 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

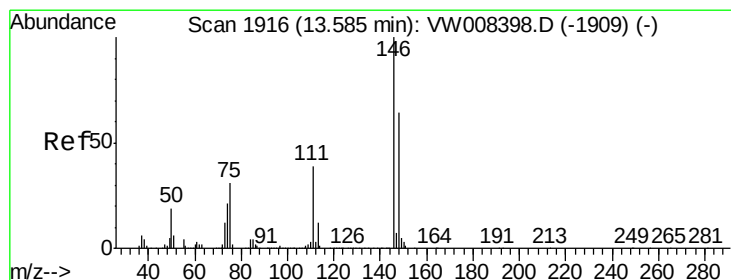
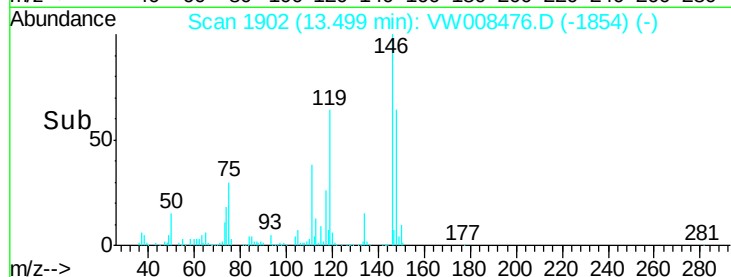
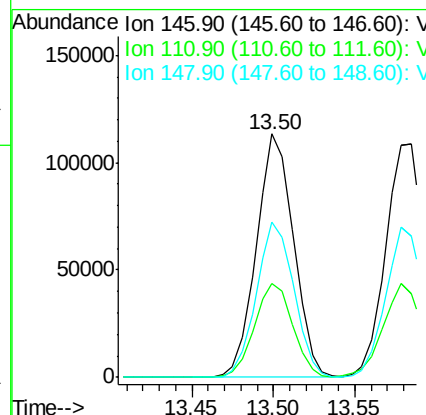
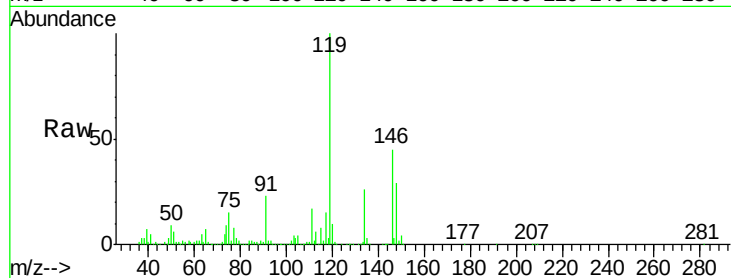
Instrument :
MSVOA_W

ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.6	20.3	60.9
148	64.2	31.9	95.7

Manual Integrations
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2/4/2019 4:32:22 PM



#88

1,4-Dichlorobenzene

Concen: 18.446 ug/l

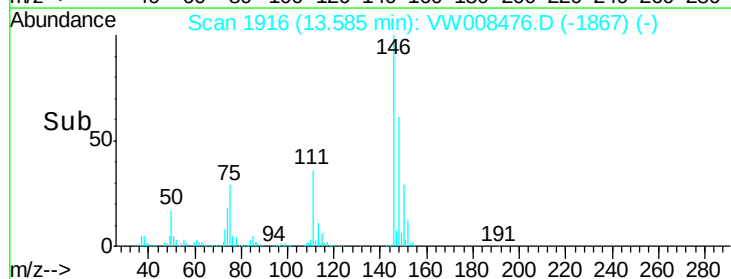
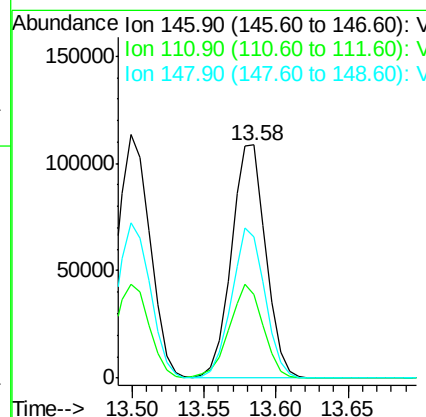
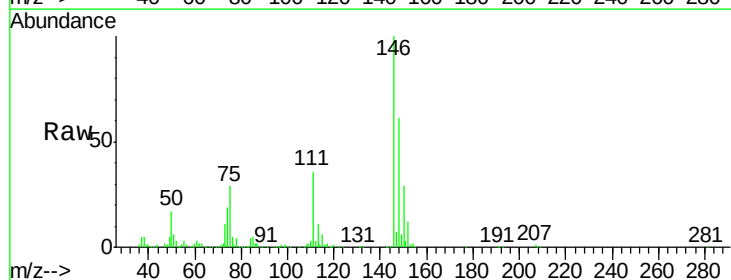
RT: 13.58 min Scan# 1916

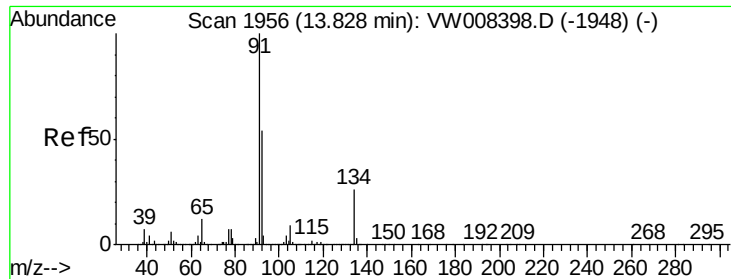
Delta R.T. 0.00 min

Lab File: VW008476.D

Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.7	20.0	60.0
148	62.8	32.0	96.2





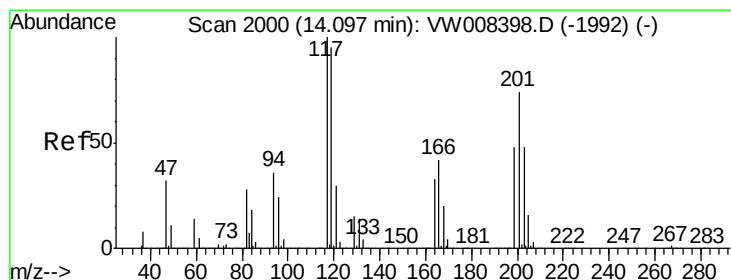
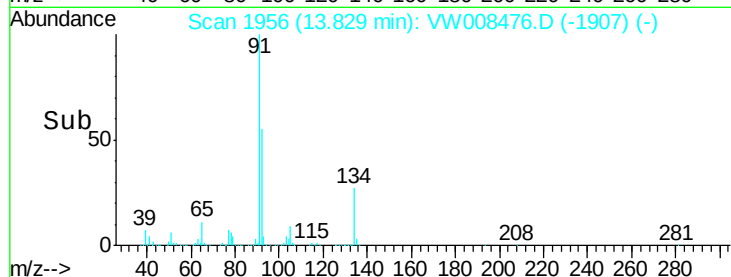
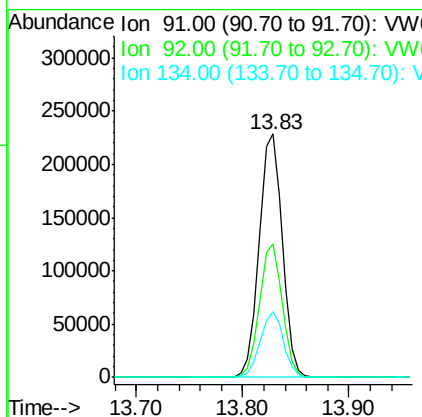
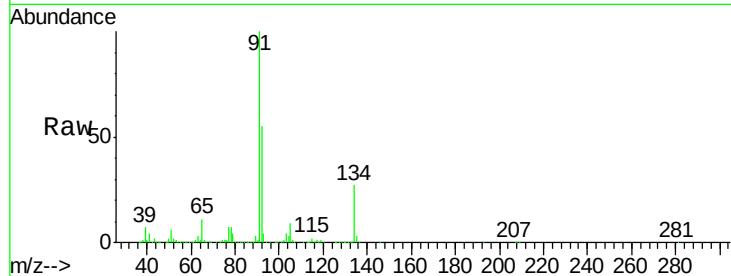
#89
n-Butylbenzene
Concen: 17.135 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.4	82.2
134	26.8	13.0	39.0

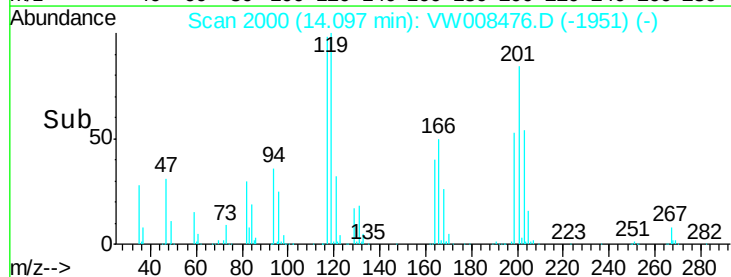
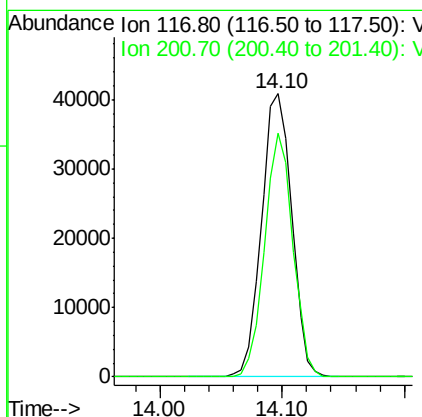
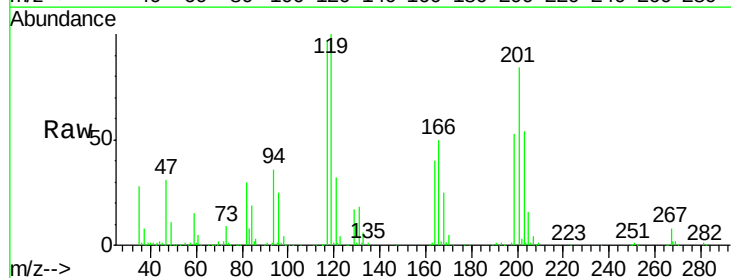
Manual Integrations
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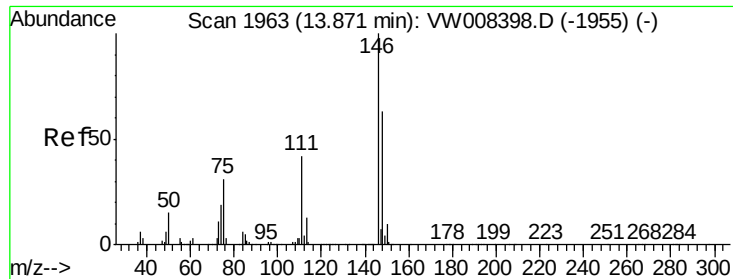
MMDadoda
2/4/2019 4:32:22 PM



#90
Hexachloroethane
Concen: 17.378 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	39.1	117.5





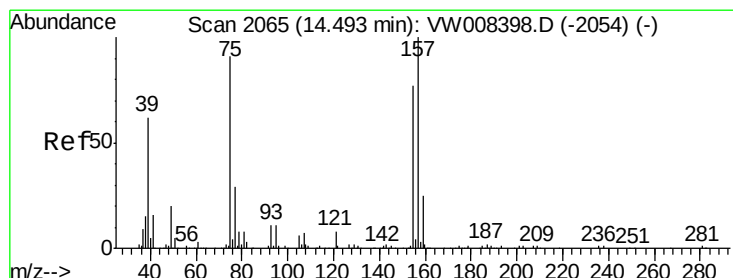
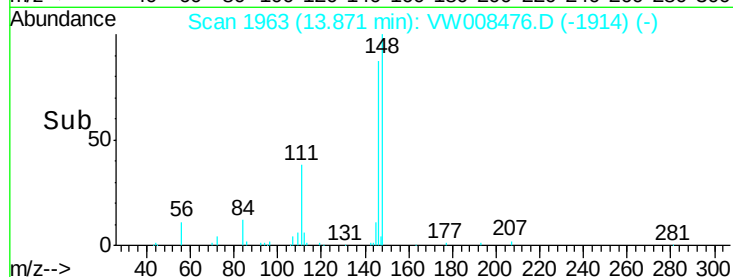
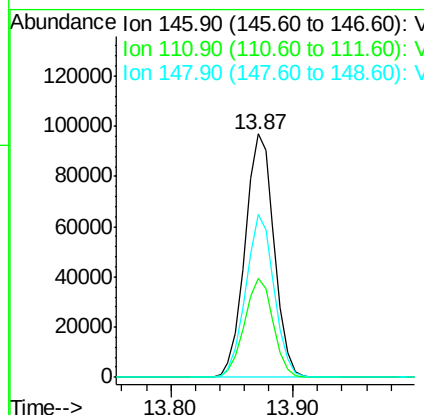
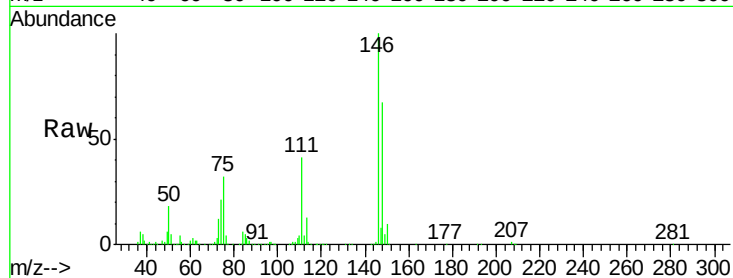
#91
 1,2-Dichlorobenzene
 Concen: 18.304 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159592		
111	40.2		21.1	63.3
148	65.3		31.9	95.5

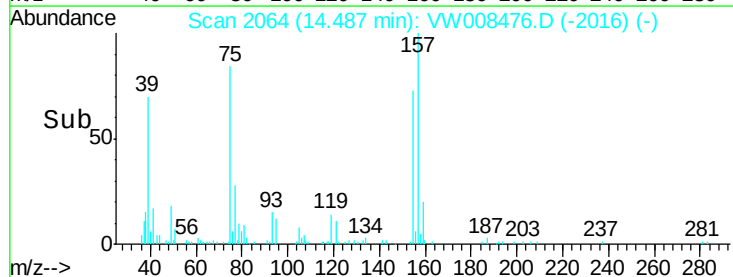
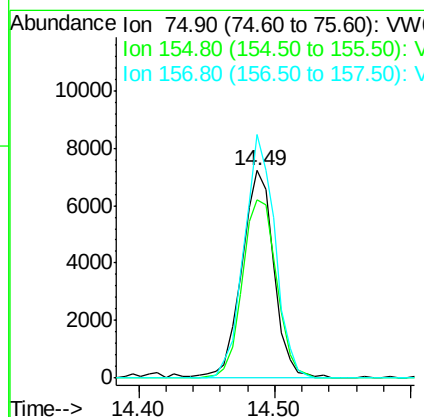
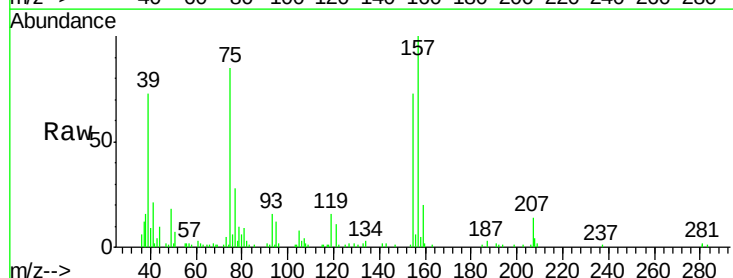
Manual Integrations
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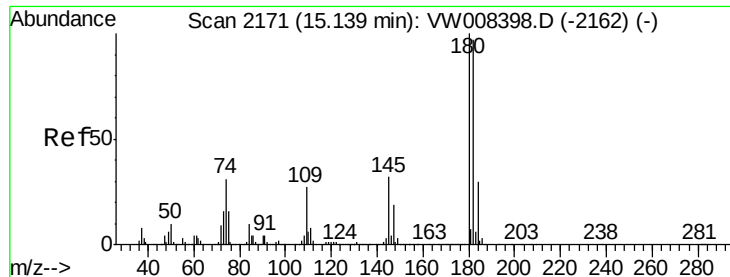
MMDadoda
 2/4/2019 4:32:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.797 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11944		
155	91.3		42.7	128.1
157	112.4		55.5	166.3





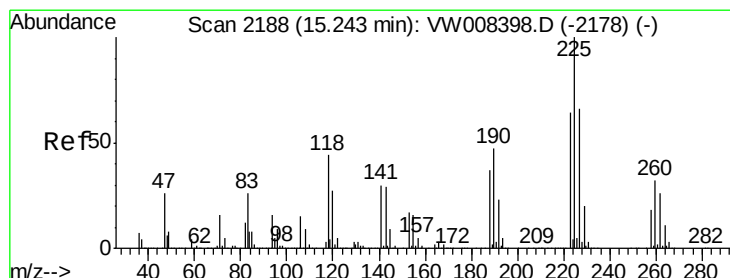
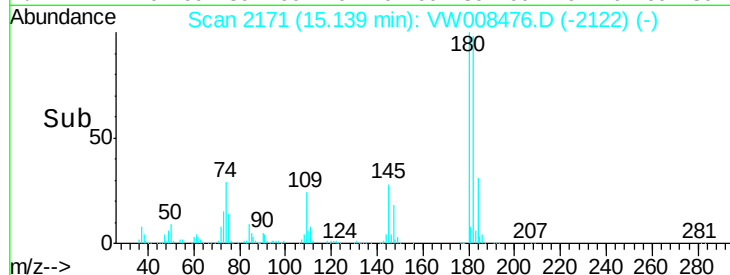
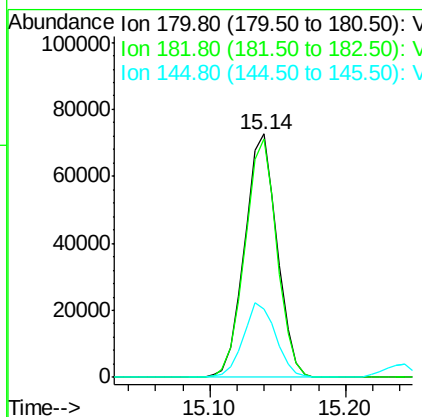
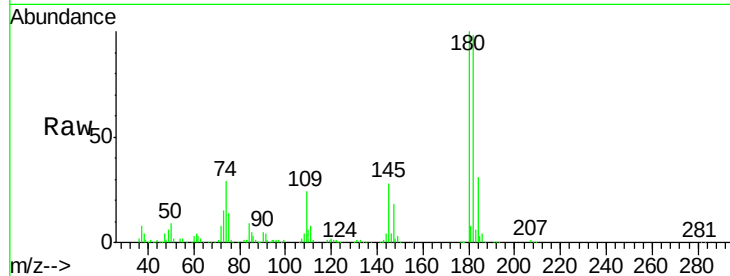
#93
 1,2,4-Trichlorobenzene
 Concen: 19.462 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121093		
182	96.8	47.9	143.7	
145	30.6	15.5	46.5	

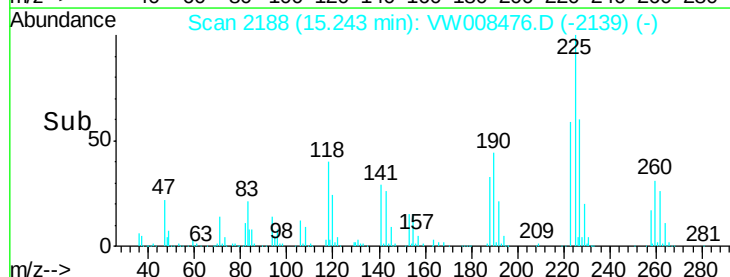
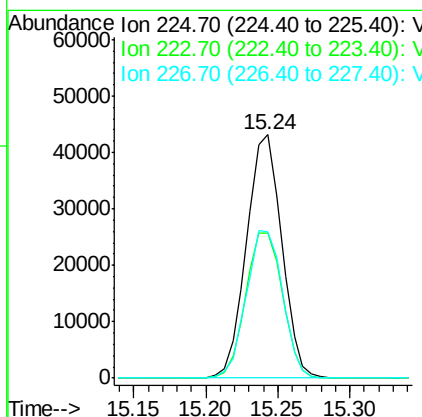
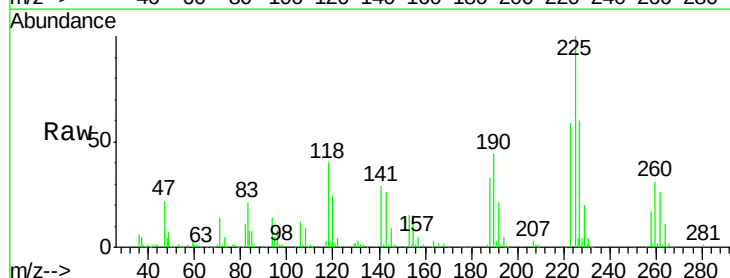
Manual Integrations
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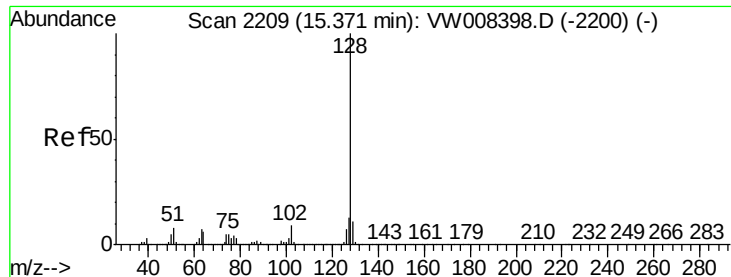
MMDadoda
 2/4/2019 4:32:22 PM



#94
 Hexachlorobutadiene
 Concen: 19.430 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008476.D
 Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72857		
223	62.5	31.7	95.1	
227	62.7	32.1	96.3	





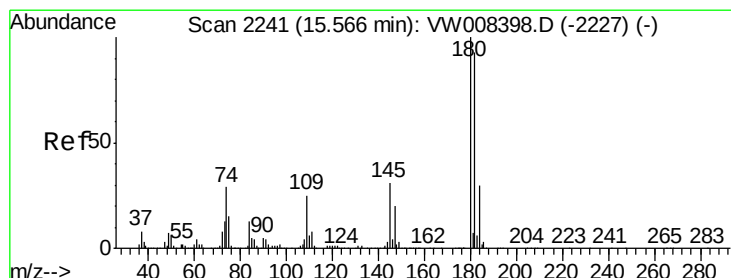
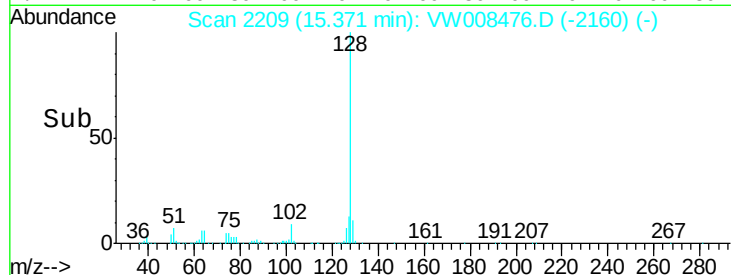
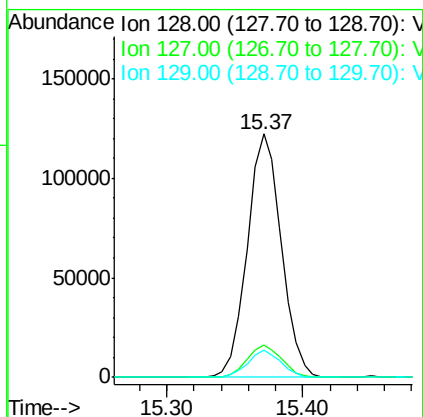
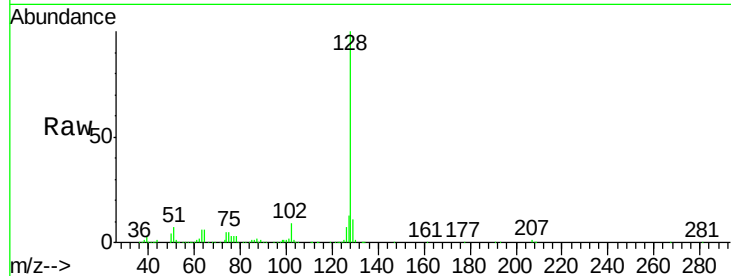
#95
Naphthalene
Concen: 19.597 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:32:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.739 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008476.D
Acq: 01 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.0	141.2
145	31.9	15.9	47.6

