

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008497.D
 Acq On : 04 Feb 2019 10:07
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 10:42:48 AM

Quant Time: Feb 05 03:17:52 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	398014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	606663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	529525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	267630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	194851	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
35) Dibromofluoromethane	7.88	113	192366	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
50) Toluene-d8	10.32	98	743443	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.62	95	267512	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	105525	46.147	ug/l	99
3) Chloromethane	2.21	50	145345	44.737	ug/l	98
4) Vinyl Chloride	2.36	62	205040	49.577	ug/l	97
5) Bromomethane	2.78	94	159965	59.966	ug/l	95
6) Chloroethane	2.92	64	143832	56.866	ug/l	93
7) Trichlorofluoromethane	3.25	101	166232	46.569	ug/l	99
8) Diethyl Ether	3.67	74	98651	49.701	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	193384	53.720	ug/l	97
10) Methyl Iodide	4.26	142	298175	52.440	ug/l	100
11) Tert butyl alcohol	5.19	59	63828	202.752	ug/l	94
12) 1,1-Dichloroethene	4.02	96	190494	52.289	ug/l	96
13) Acrolein	3.89	56	56518	204.263	ug/l	98
14) Allyl chloride	4.65	41	327083	47.281	ug/l	96
15) Acrylonitrile	5.36	53	201689	235.318	ug/l	100
16) Acetone	4.13	43	230874	262.932	ug/l	97
17) Carbon Disulfide	4.37	76	537400	46.187	ug/l	98
18) Methyl Acetate	4.67	43	112593	48.075	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	298517	49.524	ug/l	97
20) Methylene Chloride	4.90	84	186980	46.201	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	208284	50.854	ug/l	96
22) Diisopropyl ether	6.31	45	610687	46.578	ug/l	99
23) Vinyl Acetate	6.25	43	1776126	229.421	ug/l	98
24) 1,1-Dichloroethane	6.21	63	369152	49.742	ug/l	99
25) 2-Butanone	7.17	43	295475	242.266	ug/l	99
26) 2,2-Dichloropropane	7.16	77	253135	50.461	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	224054	50.195	ug/l	98
28) Bromochloromethane	7.51	49	151627	44.483	ug/l	95
29) Tetrahydrofuran	7.53	42	169844	219.755	ug/l	97
30) Chloroform	7.67	83	367928	50.404	ug/l	98
31) Cyclohexane	7.95	56	336033	43.789	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	322610	51.168	ug/l	99
36) 1,1-Dichloropropene	8.07	75	299210	52.213	ug/l	98
37) Ethyl Acetate	7.25	43	122385	48.271	ug/l	99
38) Carbon Tetrachloride	8.06	117	316127	54.820	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	366308	48.658	ug/l	99
40) Benzene	8.32	78	811743	51.048	ug/l	99
41) Methacrylonitrile	7.48	41	74350	49.526	ug/l	99
42) 1,2-Dichloroethane	8.40	62	234004	50.779	ug/l	99
43) Isopropyl Acetate	8.42	43	248526	47.182	ug/l	96
44) Trichloroethene	9.09	130	233120	53.910	ug/l	98
45) 1,2-Dichloropropane	9.37	63	199953	50.431	ug/l	100
46) Dibromomethane	9.46	93	103279	50.644	ug/l	96
47) Bromodichloromethane	9.64	83	280499	52.002	ug/l	98
48) Methyl methacrylate	9.43	41	116838	45.365	ug/l	97
49) 1,4-Dioxane	9.46	88	32454	941.504	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	603978	232.100	ug/l	99
52) Toluene	10.38	92	525834	50.094	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	285308	49.709	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	330625	50.760	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	144691	51.153	ug/l	96
56) Ethyl methacrylate	10.65	69	185096	46.700	ug/l	98
57) 1,3-Dichloropropane	10.93	76	251975	49.724	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	474463	246.378	ug/l	97
59) 2-Hexanone	10.97	43	467147	254.290	ug/l	100
60) Dibromochloromethane	11.13	129	189531	52.140	ug/l	99
61) 1,2-Dibromoethane	11.23	107	140179	49.980	ug/l	99
64) Tetrachloroethene	10.86	164	192193	53.607	ug/l	98
65) Chlorobenzene	11.66	112	577270	53.404	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	205543	53.147	ug/l	98
67) Ethyl Benzene	11.73	91	1033126	51.995	ug/l	97
68) m/p-Xylenes	11.84	106	794491	103.056	ug/l	98
69) o-Xylene	12.16	106	374107	51.073	ug/l	98
70) Styrene	12.18	104	604650	49.973	ug/l	98
71) Bromoform	12.35	173	113934	52.360	ug/l #	99
73) Isopropylbenzene	12.46	105	1055981	52.925	ug/l	100
74) N-amyl acetate	12.27	43	239470	46.589	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	162840	51.550	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	115032m	49.437	ug/l	
77) Bromobenzene	12.75	156	232866	53.441	ug/l	94
78) n-propylbenzene	12.80	91	1251696	52.232	ug/l	99
79) 2-Chlorotoluene	12.90	91	694784	51.379	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	860810	51.617	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	57705	48.981	ug/l	96
82) 4-Chlorotoluene	12.99	91	725532	50.393	ug/l	98
83) tert-Butylbenzene	13.21	119	763526	51.449	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	875599	51.656	ug/l	100
85) sec-Butylbenzene	13.38	105	1110042	52.375	ug/l	99
86) p-Isopropyltoluene	13.50	119	993298	53.504	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	467126	53.082	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	460759	52.684	ug/l	99
89) n-Butylbenzene	13.83	91	946069	51.902	ug/l	99
90) Hexachloroethane	14.10	117	193717	53.357	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	407920	52.388	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28362	47.321	ug/l	98

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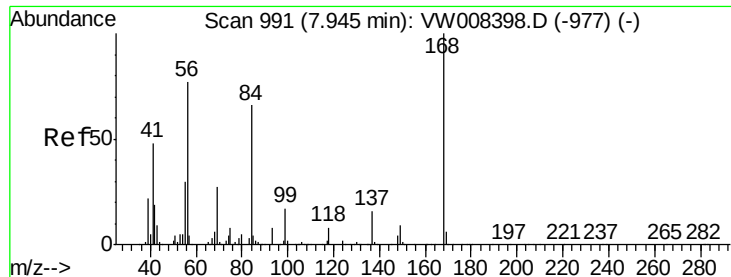
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	297726	53.581	ug/l	99
94) Hexachlorobutadiene	15.24	225	185145	55.288	ug/l	99
95) Naphthalene	15.37	128	511738	52.451	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	250513	53.148	ug/l	98

(#) = 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: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 398014

Ion Ratio Lower Upper

168 100

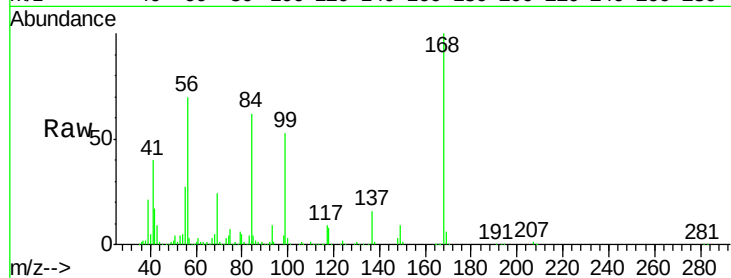
99 53.3 45.5 68.3

Manual Integrations

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2/5/2019 10:42:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

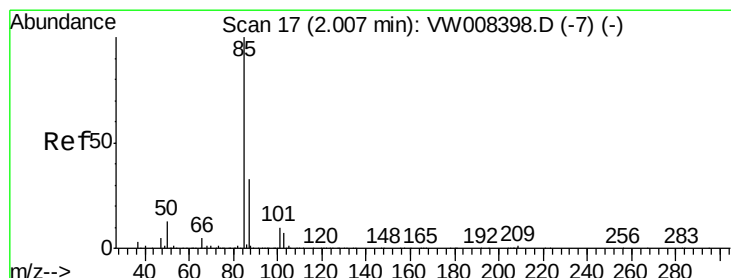
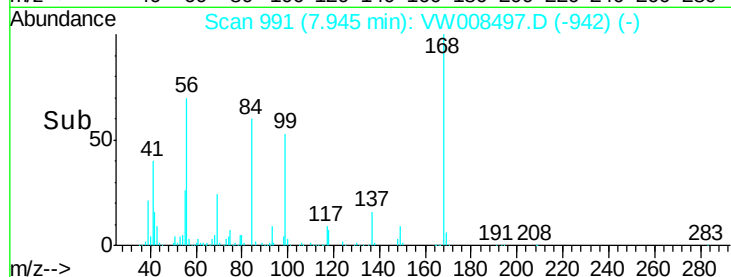
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.147 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008497.D

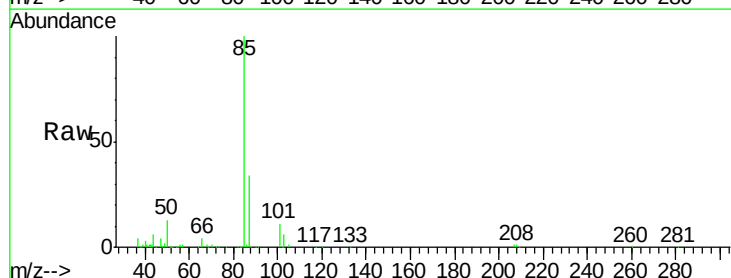
Acq: 04 Feb 2019 10:07

Tgt Ion: 85 Resp: 105525

Ion Ratio Lower Upper

85 100

87 33.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

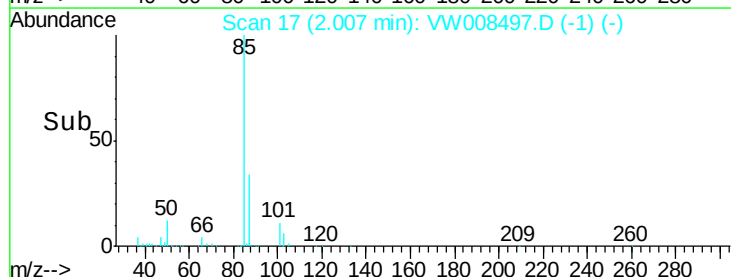
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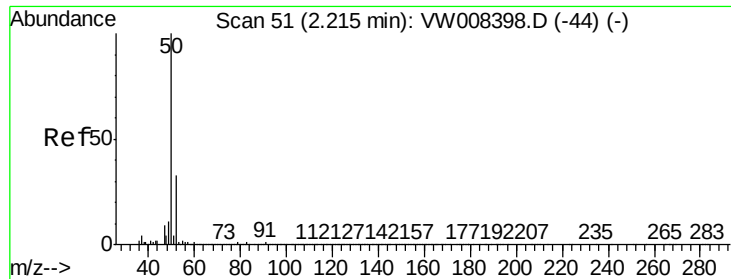
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 44.737 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 145345

Ion Ratio Lower Upper

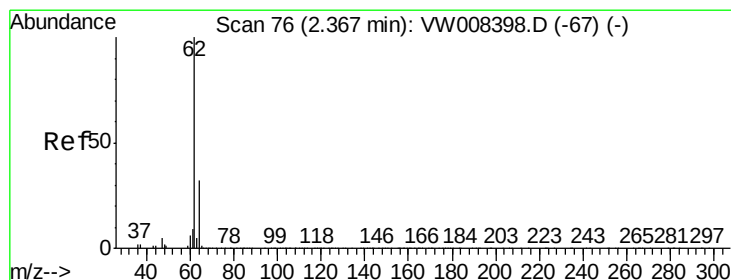
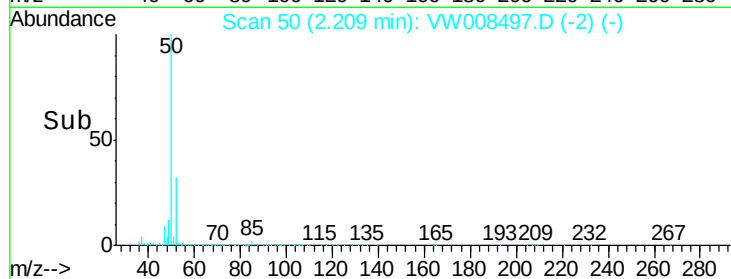
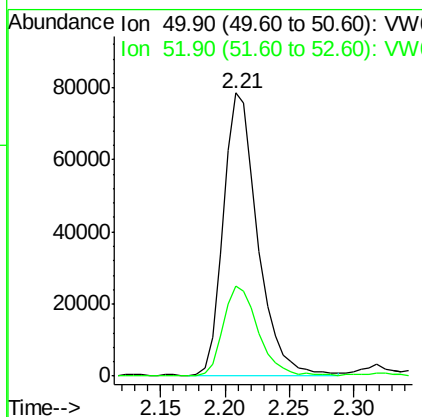
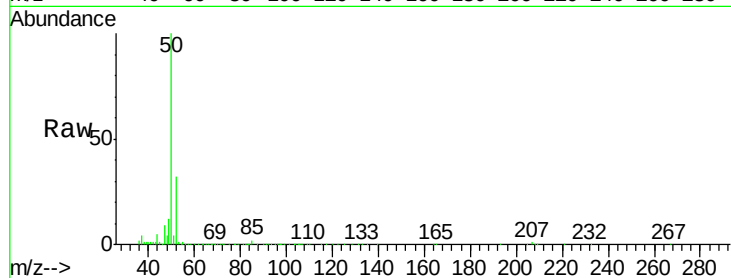
50 100

52 31.8 26.3 39.5

Manual Integrations
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2/5/2019 10:42:48 AM



#4

Vinyl Chloride

Concen: 49.577 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008497.D

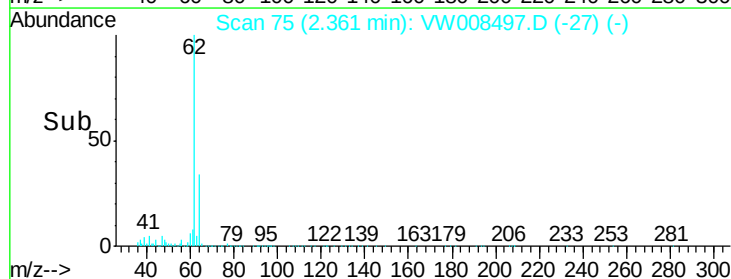
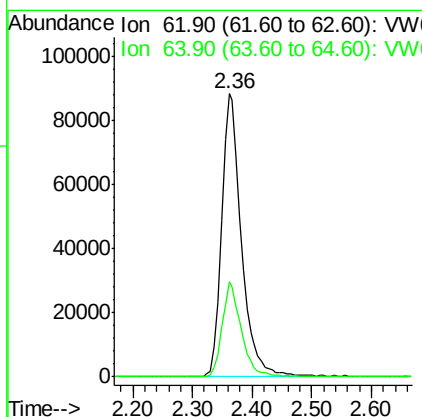
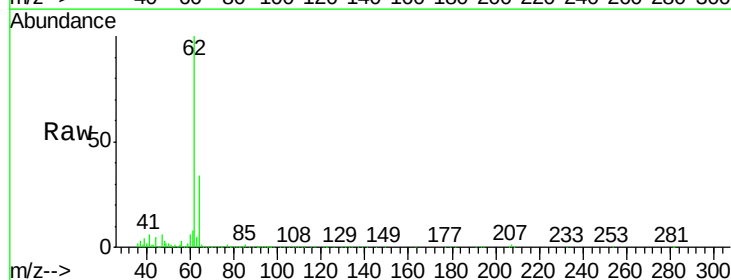
Acq: 04 Feb 2019 10:07

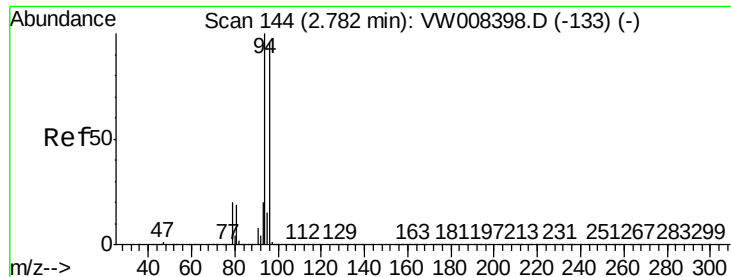
Tgt Ion: 62 Resp: 205040

Ion Ratio Lower Upper

62 100

64 33.7 25.5 38.3





#5

Bromomethane

Concen: 59.966 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 159965

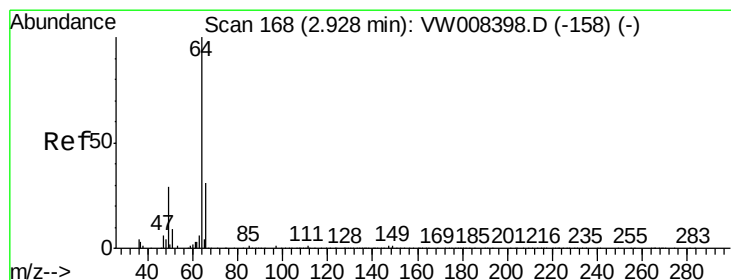
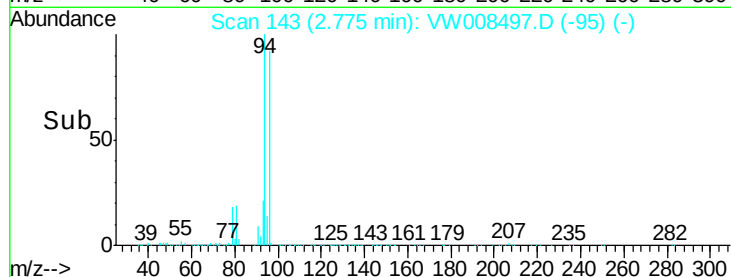
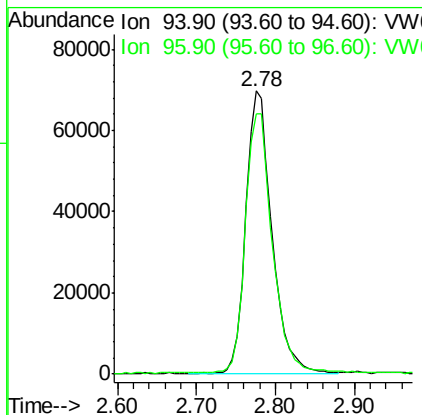
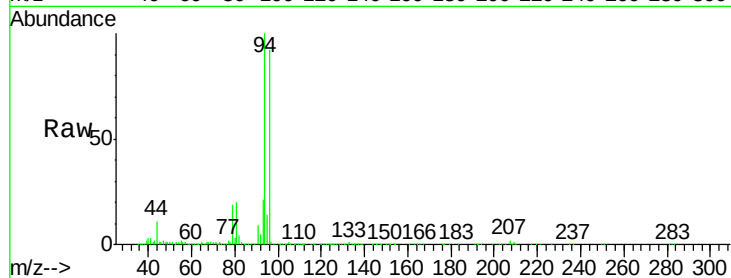
Ion Ratio Lower Upper

94 100

96 91.6 77.2 115.8

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#6

Chloroethane

Concen: 56.866 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008497.D

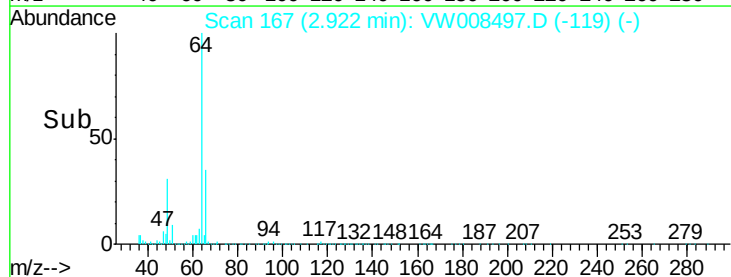
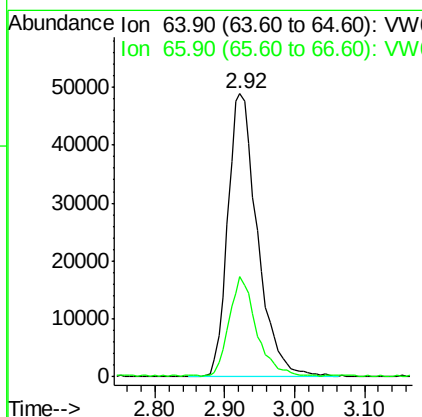
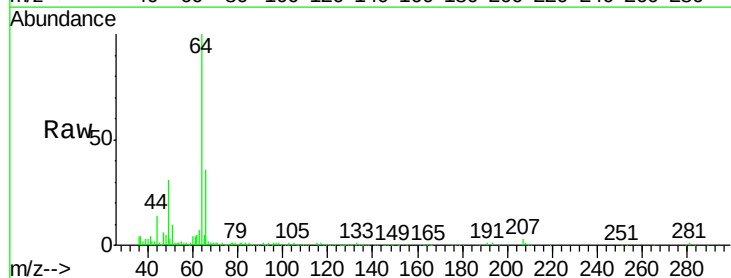
Acq: 04 Feb 2019 10:07

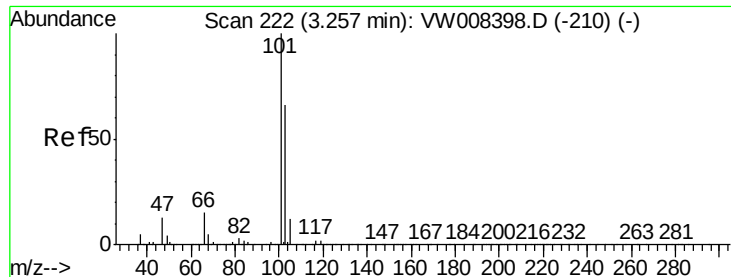
Tgt Ion: 64 Resp: 143832

Ion Ratio Lower Upper

64 100

66 35.2 24.9 37.3





#7

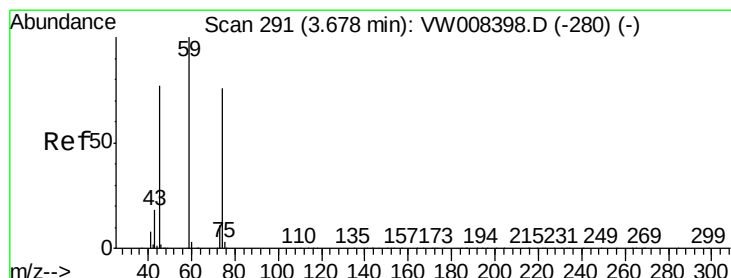
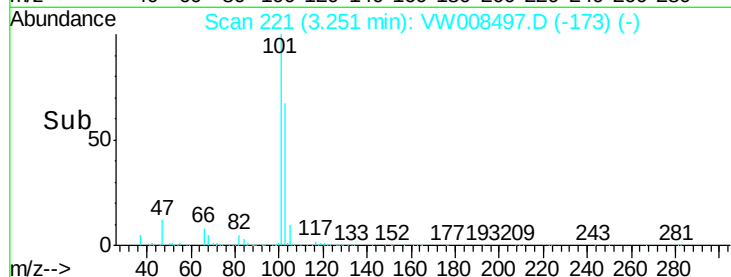
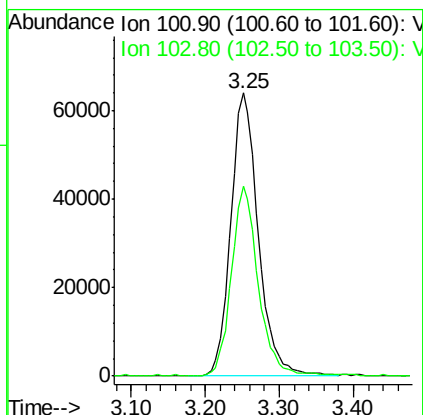
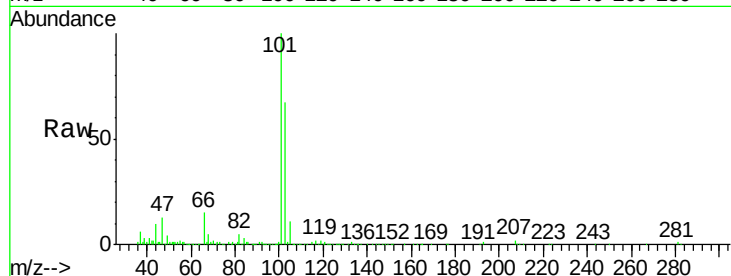
Trichlorofluoromethane
Concen: 46.569 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.5	78.7

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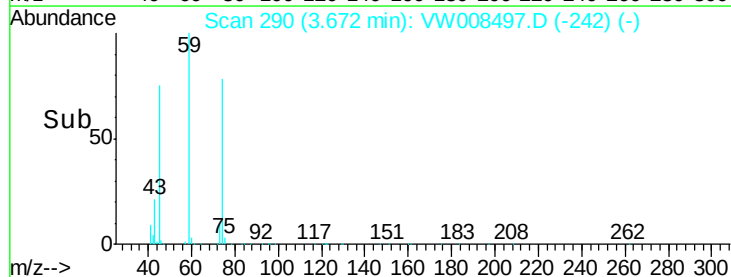
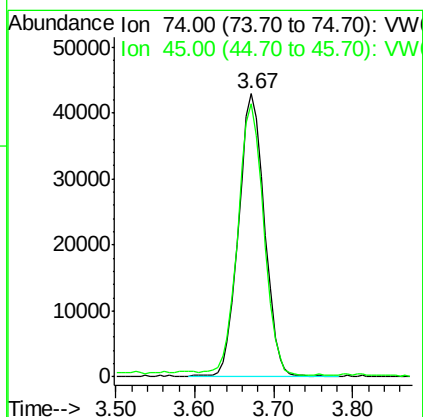
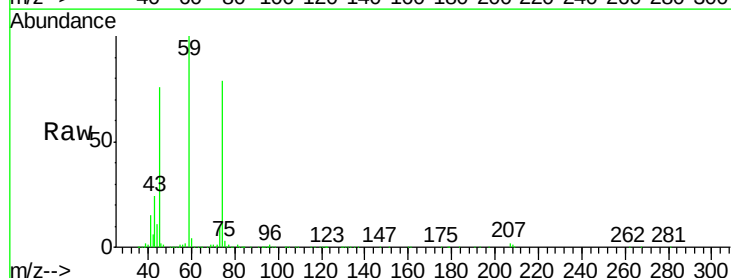
MMDadoda
2/5/2019 10:42:48 AM

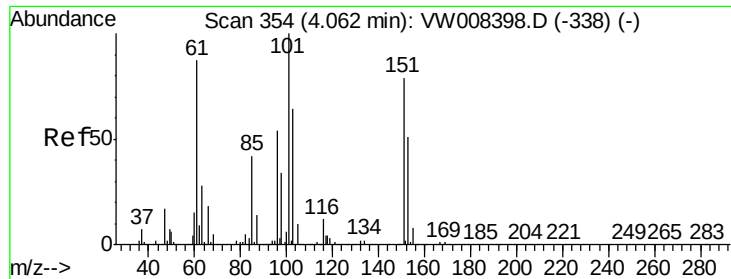


#8

Diethyl Ether
Concen: 49.701 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.720 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

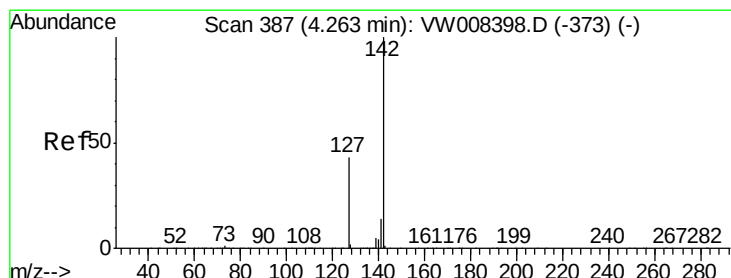
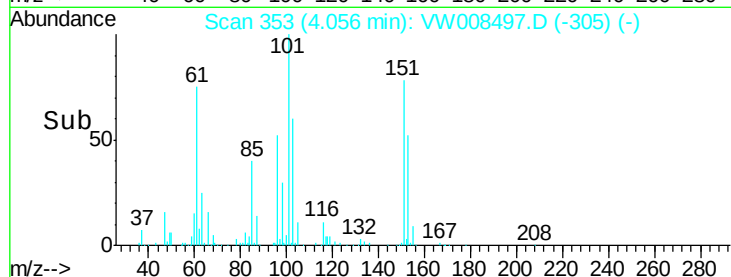
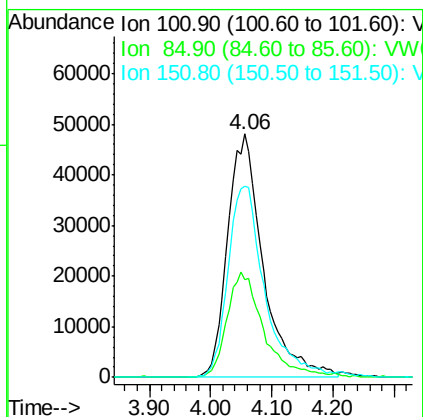
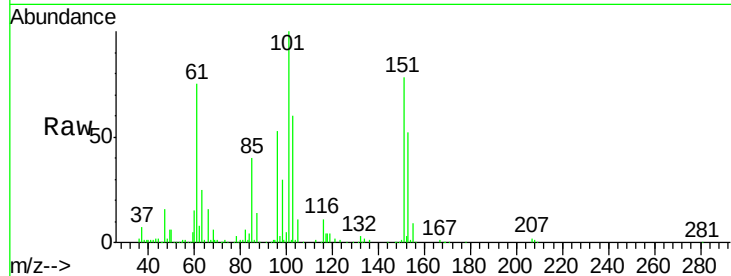
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	193384
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.0	52.4
151	81.1	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 52.440 ug/l

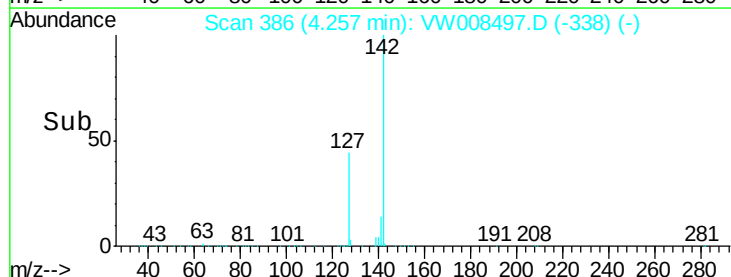
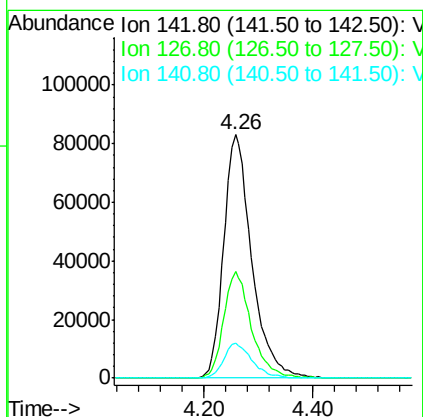
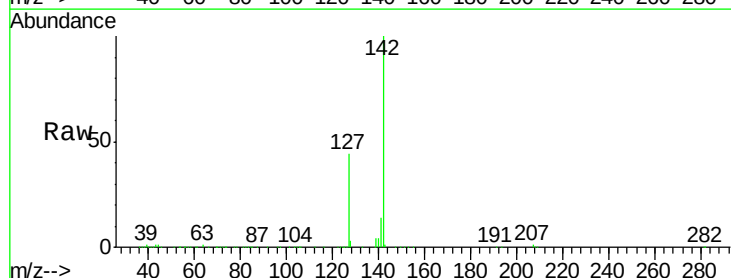
RT: 4.26 min Scan# 386

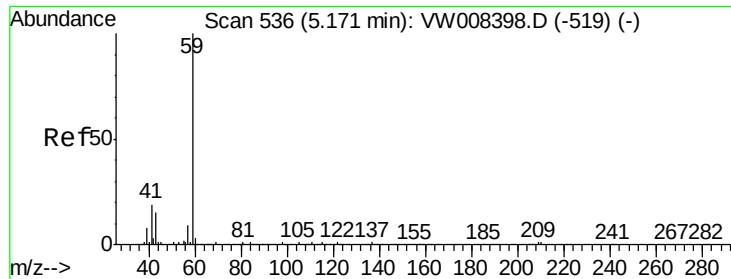
Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tgt Ion:	142	Resp:	298175
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.6	52.0
141	14.6	11.4	17.2





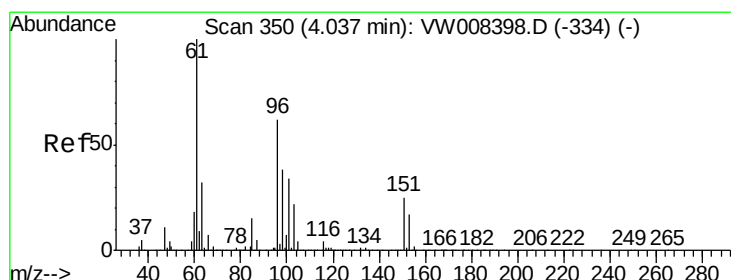
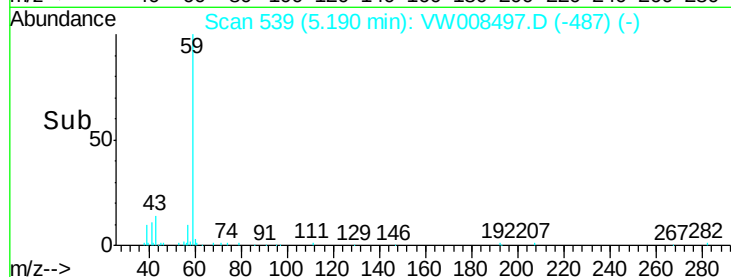
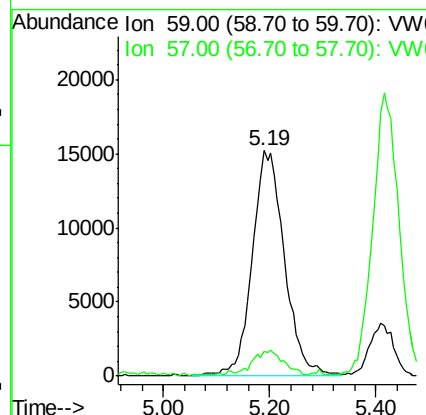
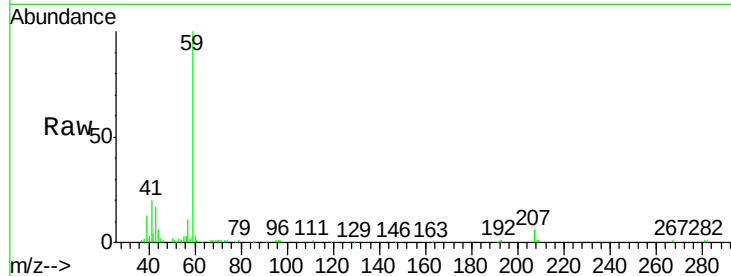
#11
Tert butyl alcohol
Concen: 202.752 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	9.3	13.9

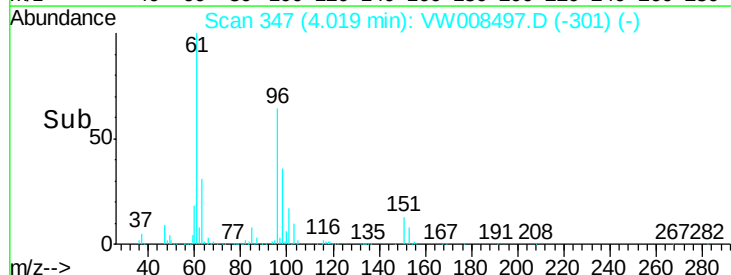
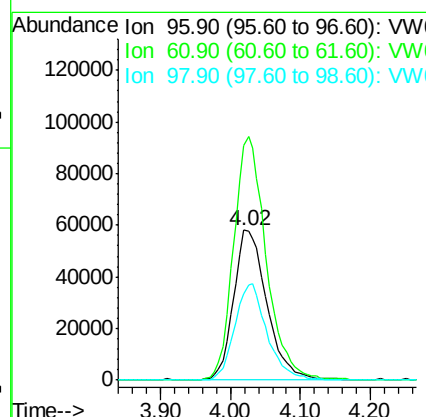
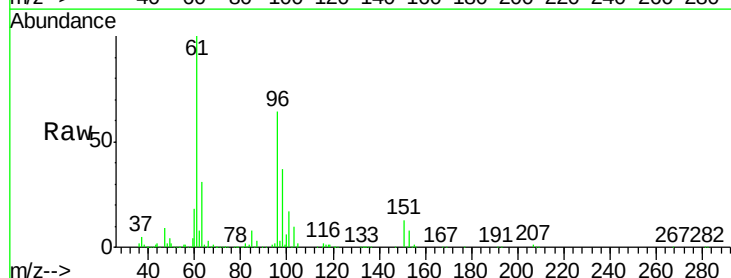
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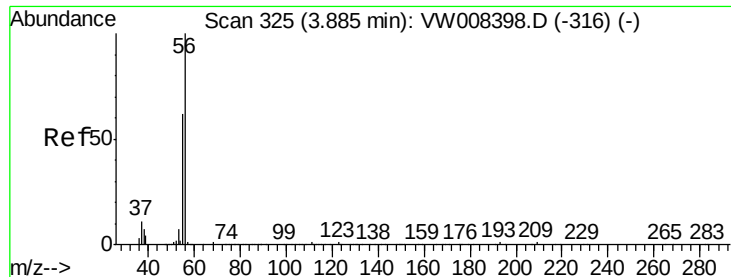
MMDadoda
2/5/2019 10:42:48 AM



#12
1,1-Dichloroethene
Concen: 52.289 ug/l
RT: 4.02 min Scan# 347
Delta R.T. -0.02 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	129.5	194.3
98	57.4	48.6	73.0





#13

Acrolein

Concen: 204.263 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 56518

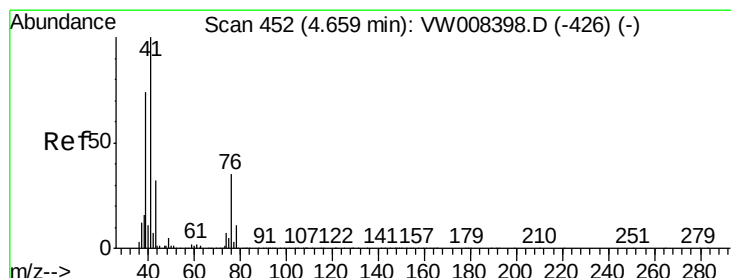
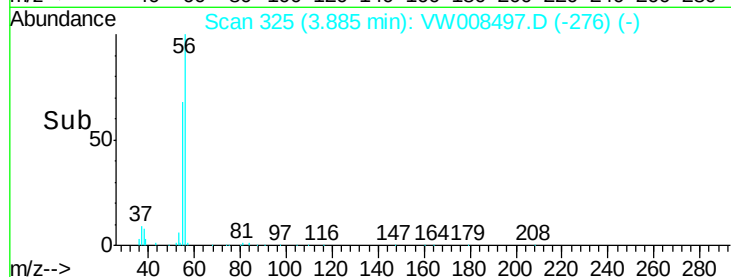
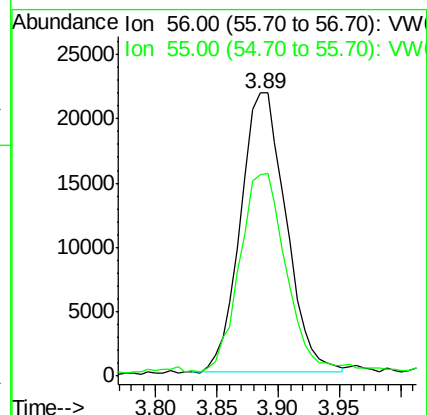
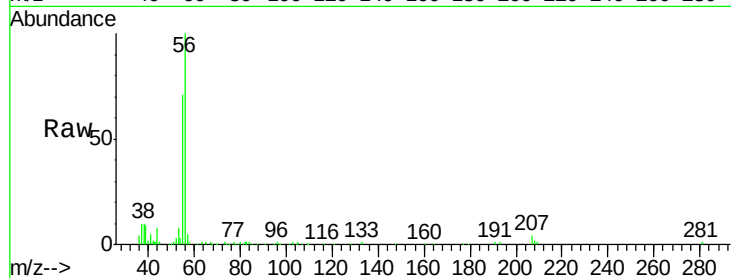
Ion Ratio Lower Upper

56 100

55 72.6 56.7 85.1

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#14

Allyl chloride

Concen: 47.281 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

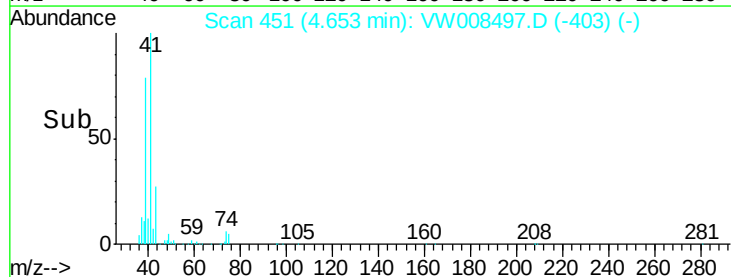
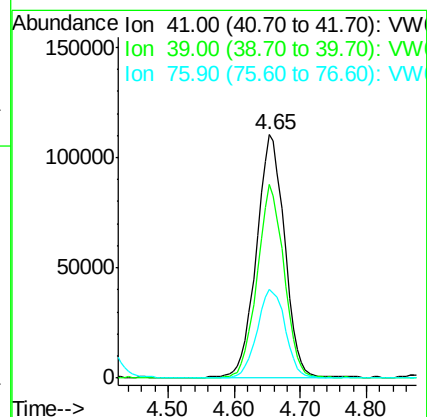
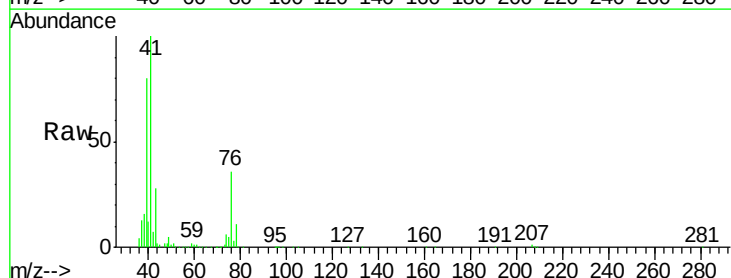
Tgt Ion: 41 Resp: 327083

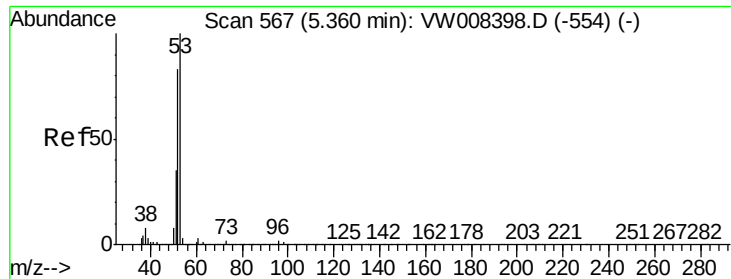
Ion Ratio Lower Upper

41 100

39 75.3 57.7 86.5

76 36.3 26.9 40.3





#15

Acrylonitrile

Concen: 235.318 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

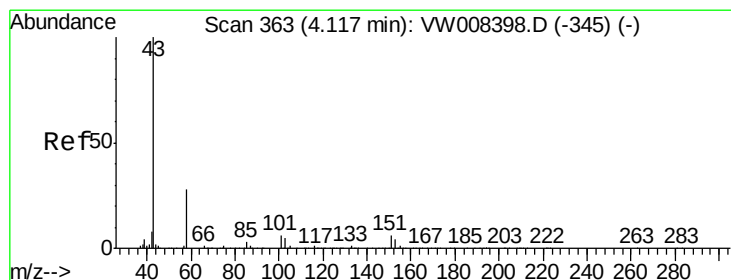
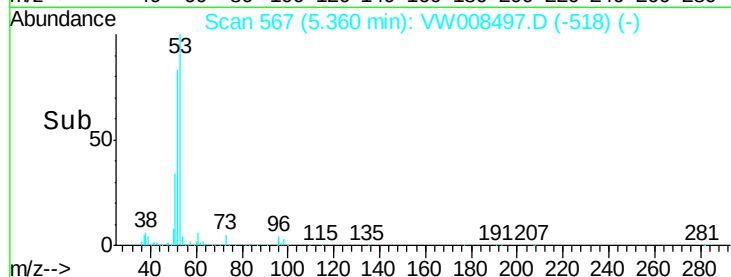
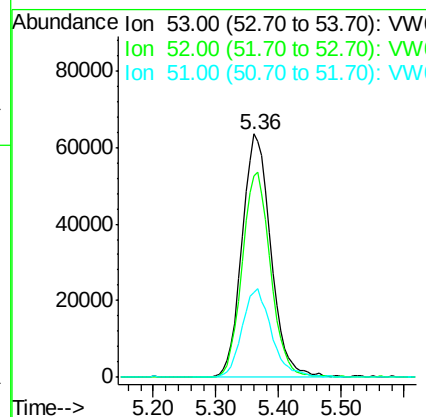
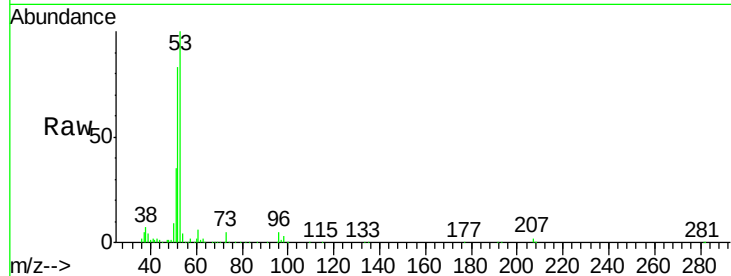
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	201689
Ion Ratio		Lower	Upper
53	100		
52	83.4	67.0	100.4
51	37.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 262.932 ug/l

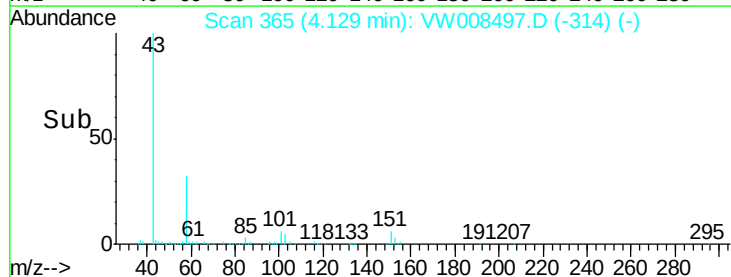
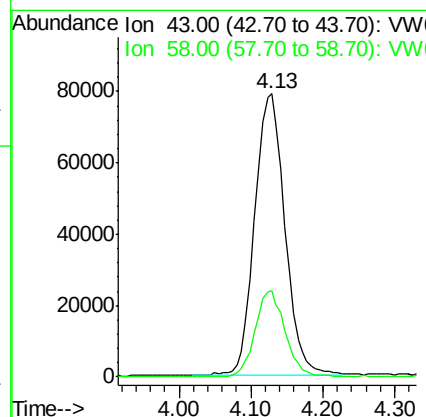
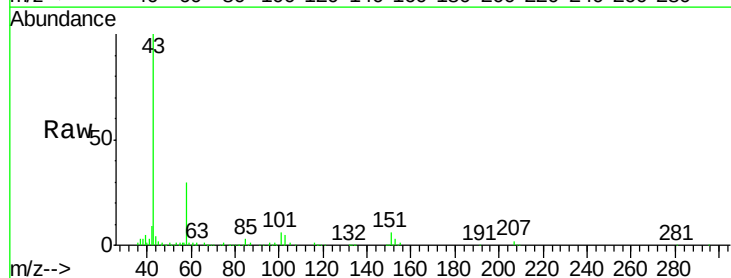
RT: 4.13 min Scan# 365

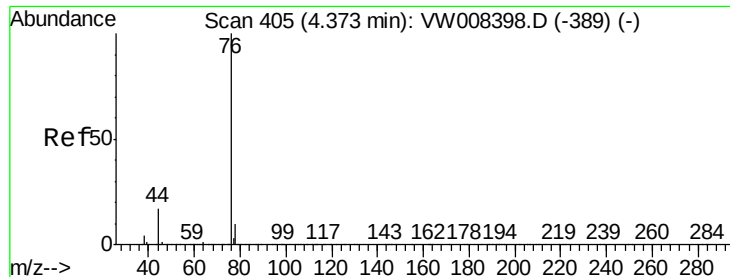
Delta R.T. 0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tgt Ion:	43	Resp:	230874
Ion Ratio		Lower	Upper
43	100		
58	30.1	22.6	34.0





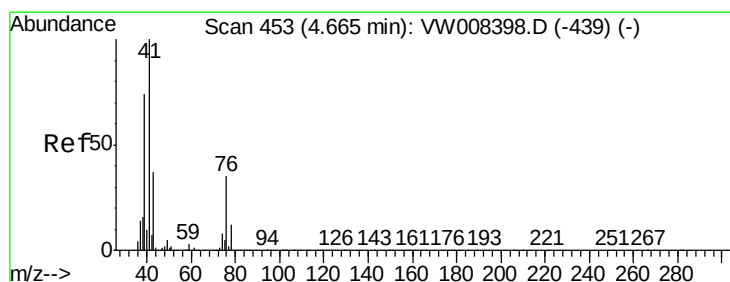
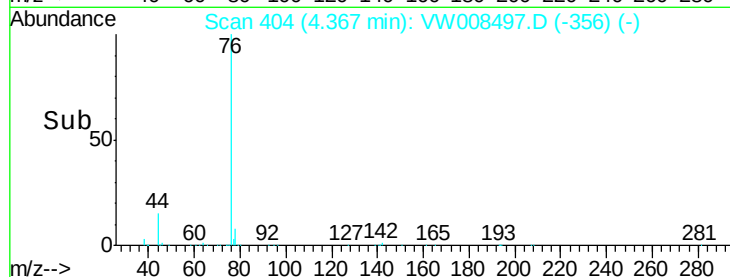
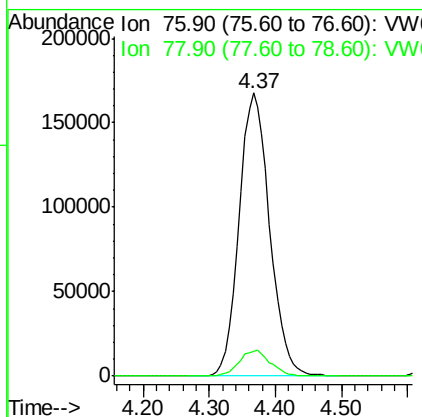
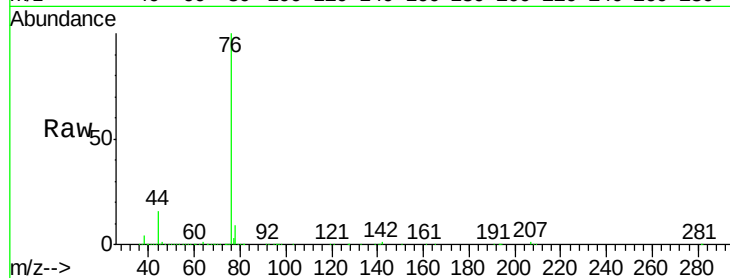
#17
Carbon Disulfide
Concen: 46.187 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.7	11.5

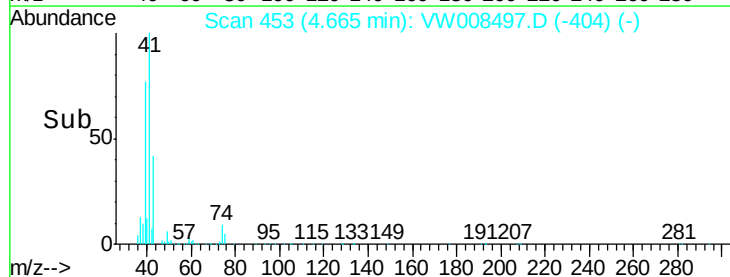
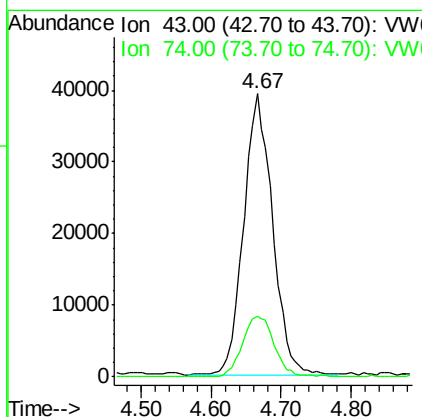
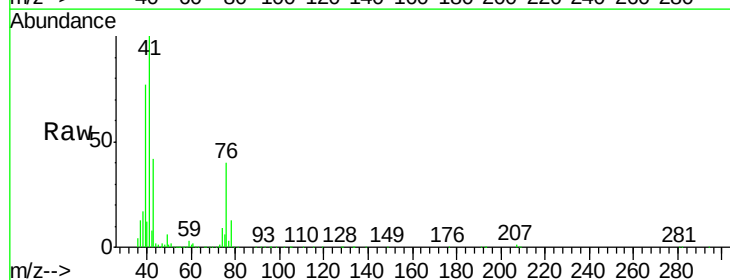
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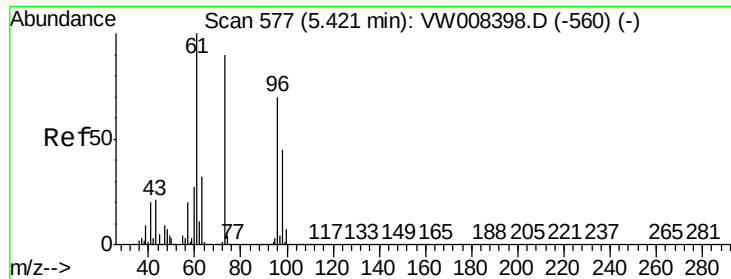
MMDadoda
2/5/2019 10:42:48 AM



#18
Methyl Acetate
Concen: 48.075 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.5	26.3





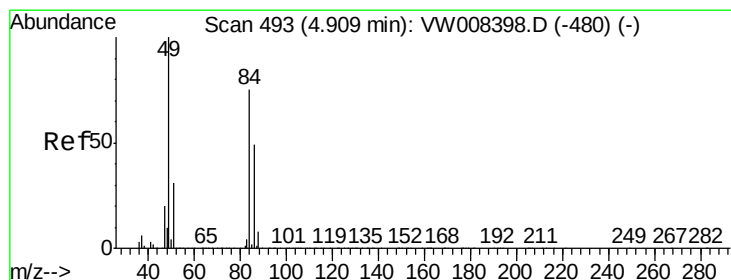
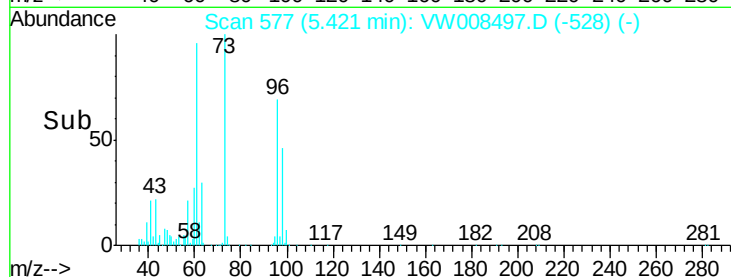
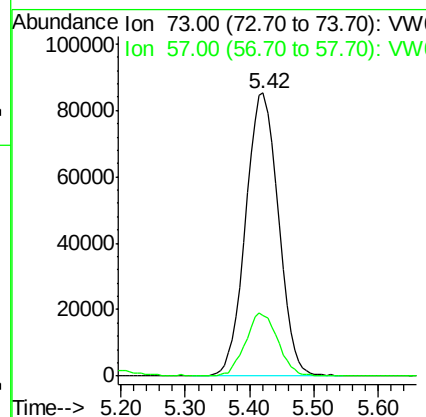
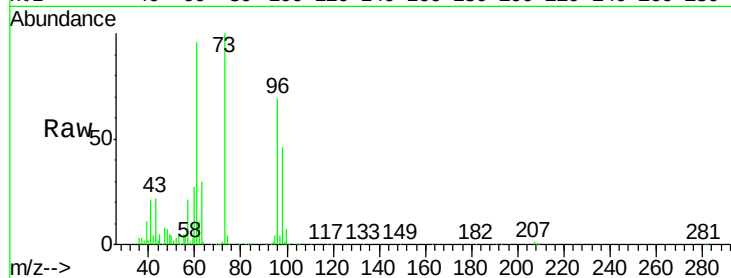
#19
Methyl tert-butyl Ether
Concen: 49.524 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
73	100	298517		
57	21.2	18.0	27.0	

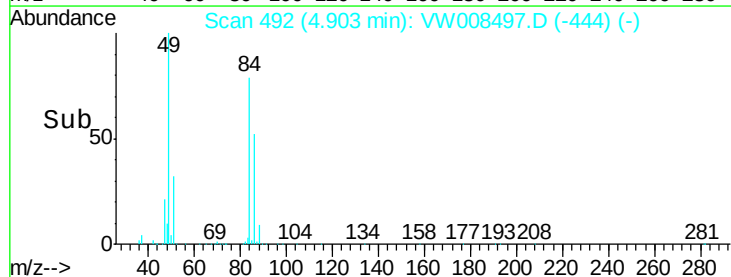
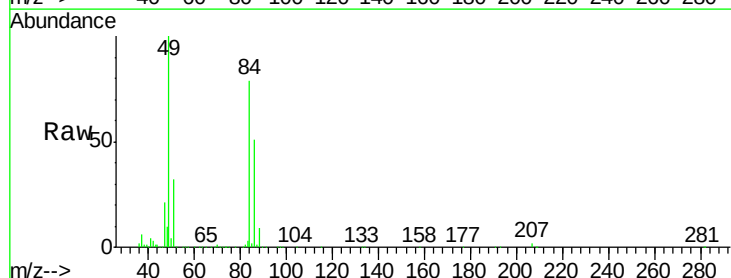
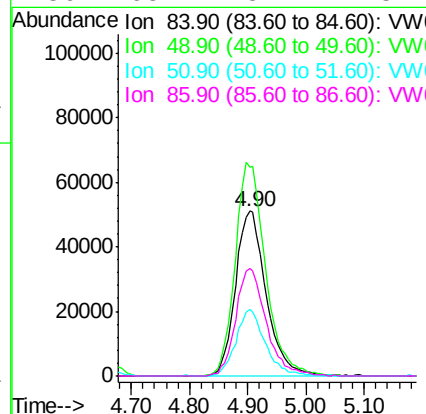
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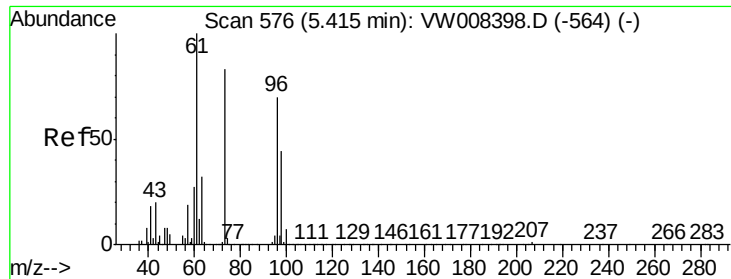
MMDadoda
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#20
Methylene Chloride
Concen: 46.201 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	186980		
49	126.9	106.8	160.2	
51	40.1	32.9	49.3	
86	65.1	52.2	78.2	





#21

trans-1,2-Dichloroethene

Concen: 50.854 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

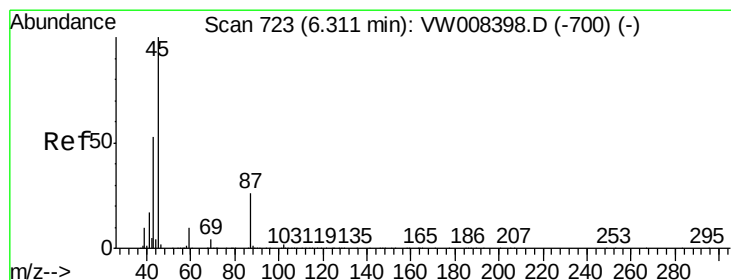
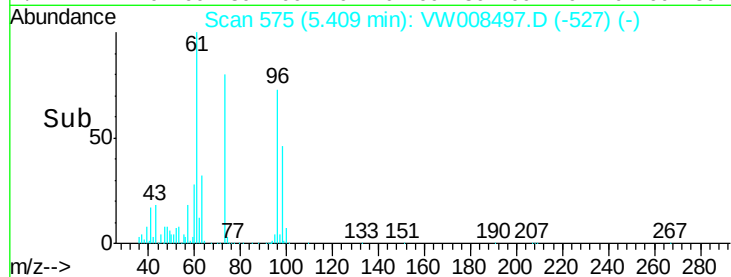
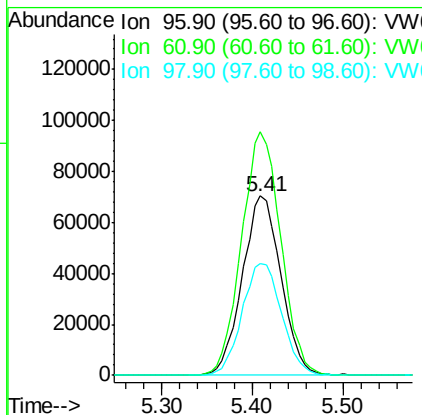
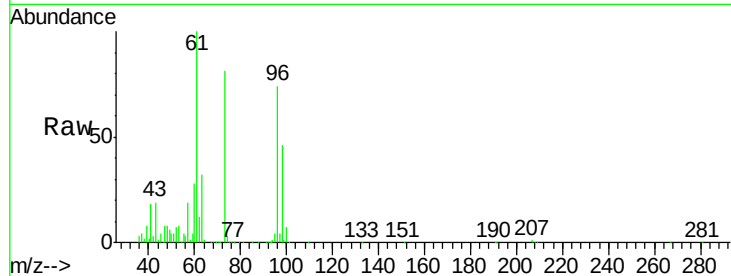
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	208284
Ion	Ratio	Lower	Upper
96	100		
61	135.9	114.4	171.6
98	62.4	50.6	75.8

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#22

Diisopropyl ether

Concen: 46.578 ug/l

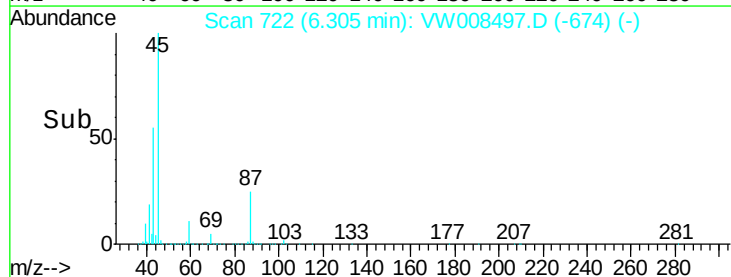
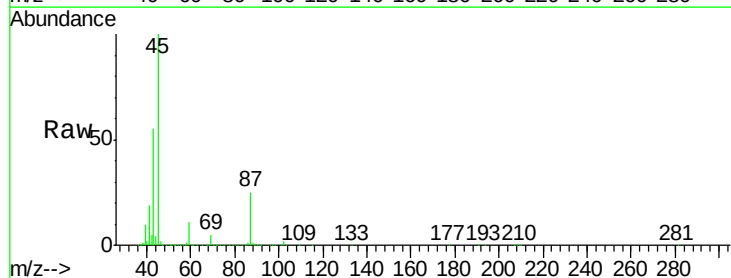
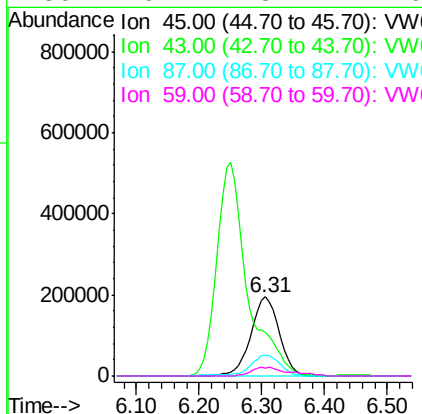
RT: 6.31 min Scan# 722

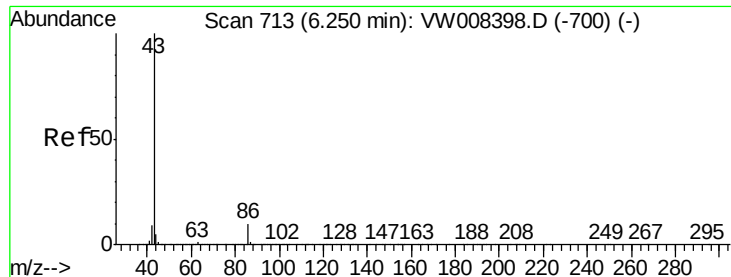
Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tgt Ion:	45	Resp:	610687
Ion	Ratio	Lower	Upper
45	100		
43	54.6	42.6	63.8
87	25.2	20.3	30.5
59	10.4	8.4	12.6





#23

Vinyl Acetate

Concen: 229.421 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tot Ion: 43 Resp: 1776126

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8

Instrument :

MSVOA_W

ClientSampleId :

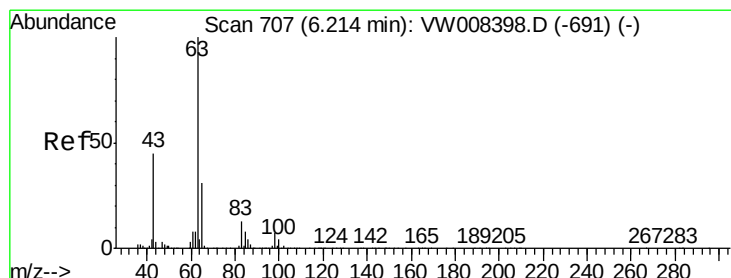
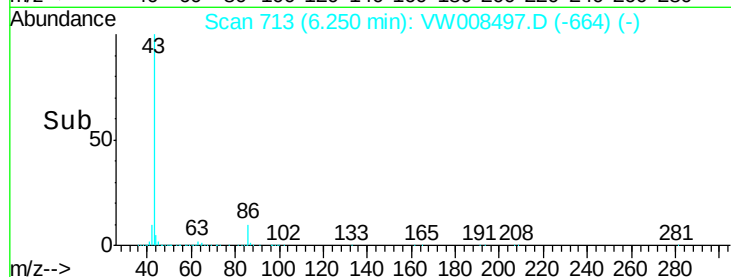
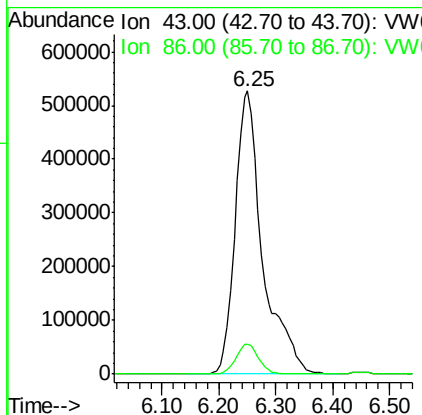
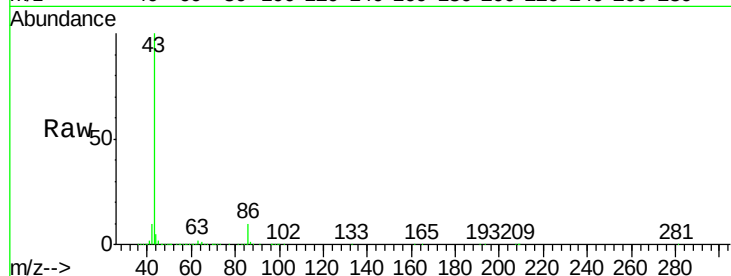
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 49.742 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

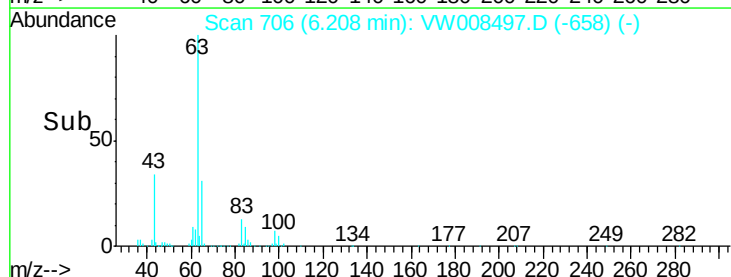
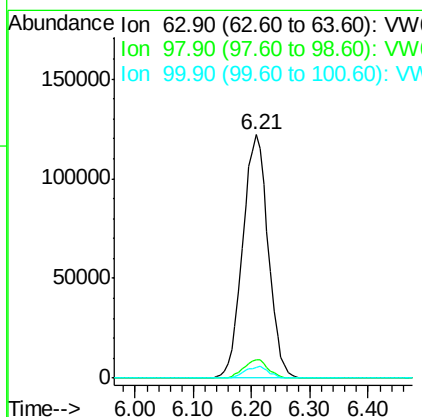
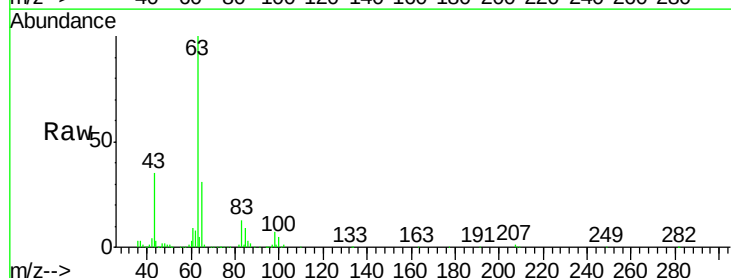
Tgt Ion: 63 Resp: 369152

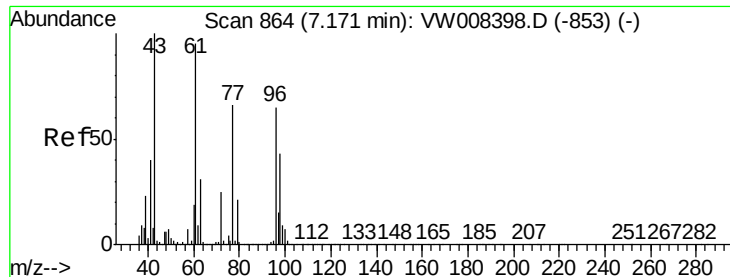
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.6 2.1 6.2





#25

2-Butanone

Concen: 242.266 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 295475

Ion Ratio Lower Upper

43 100

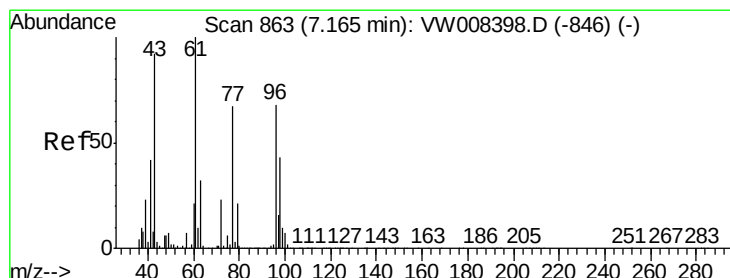
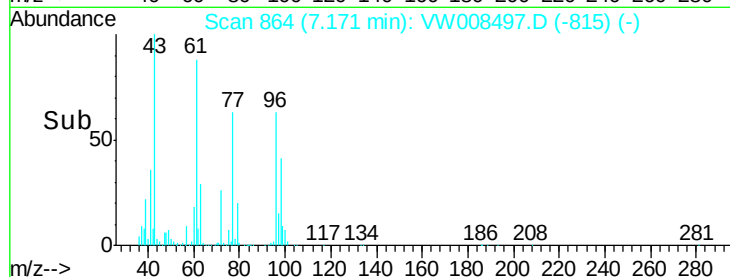
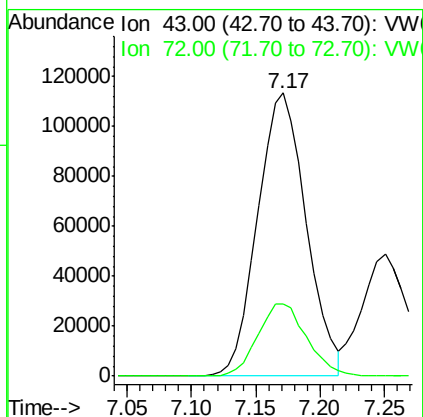
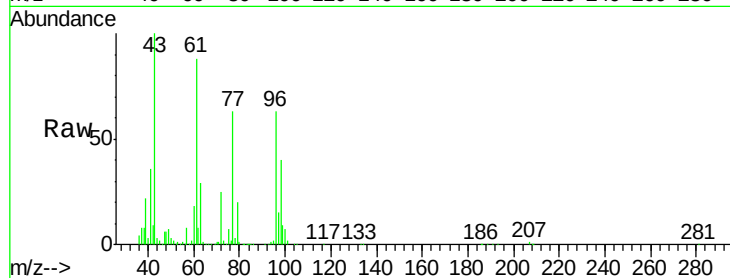
72 25.5 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 50.461 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008497.D

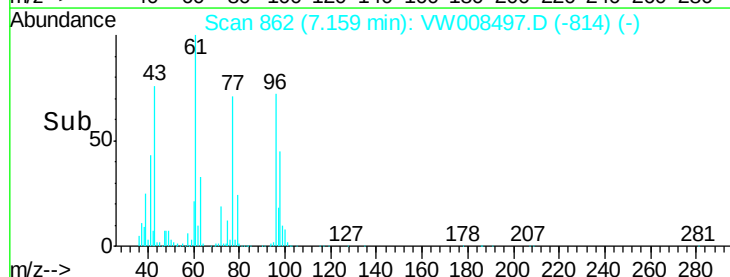
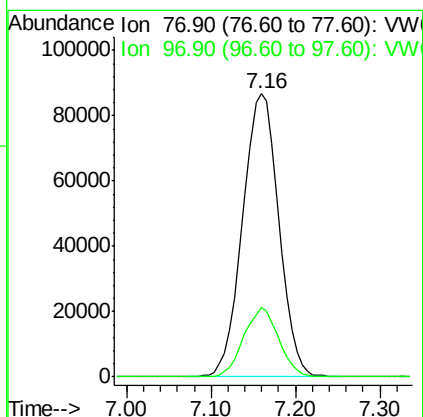
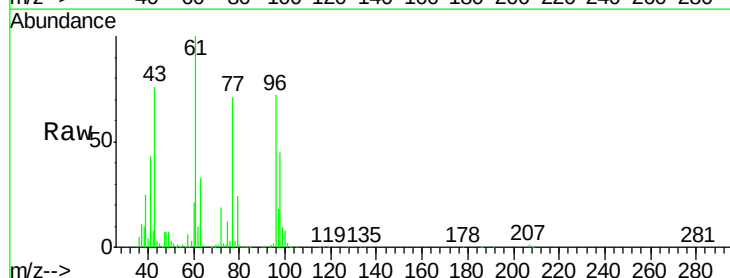
Acq: 04 Feb 2019 10:07

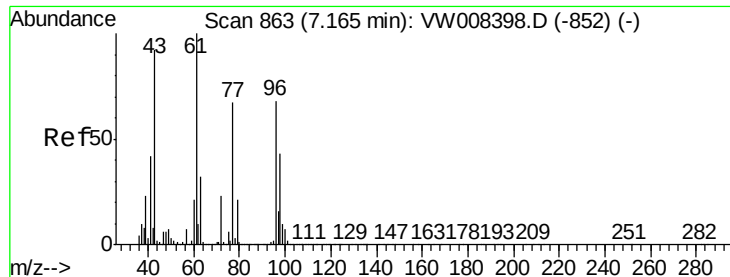
Tgt Ion: 77 Resp: 253135

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5





#27

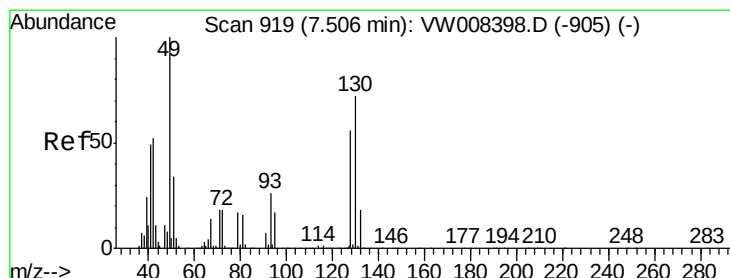
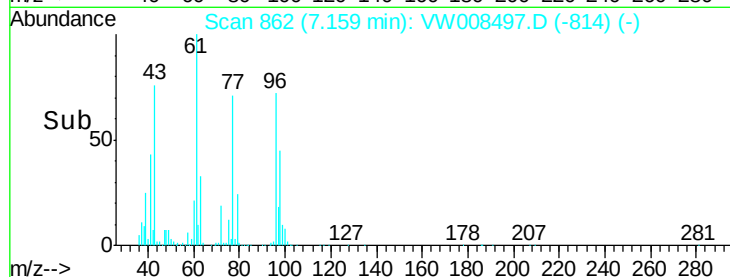
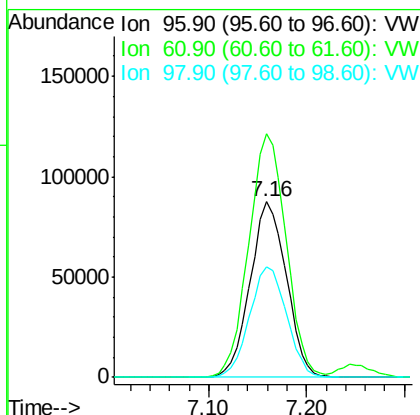
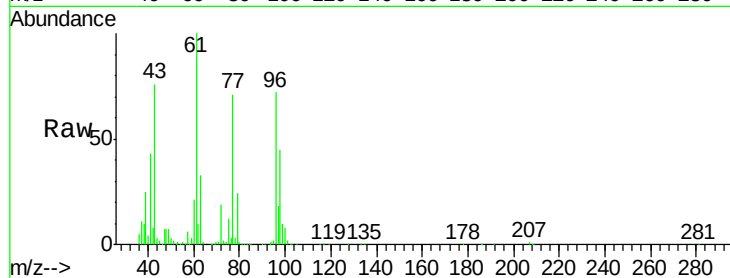
cis-1,2-Dichloroethene
Concen: 50.195 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	224054		
61	143.8	0.0	292.8	
98	64.9	0.0	129.2	

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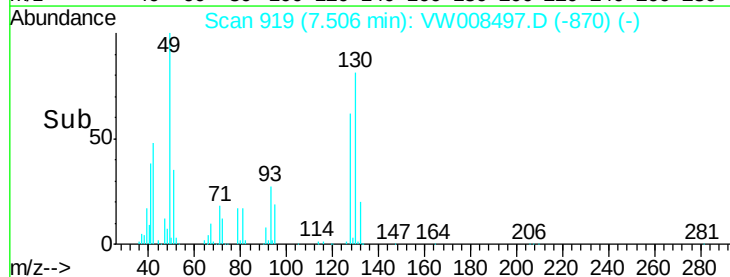
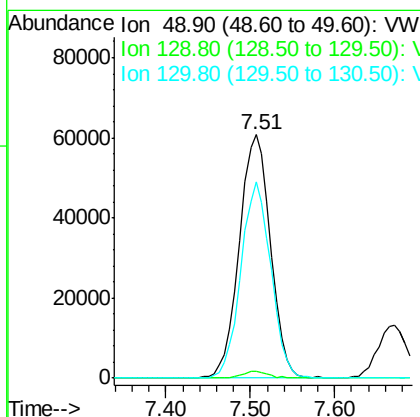
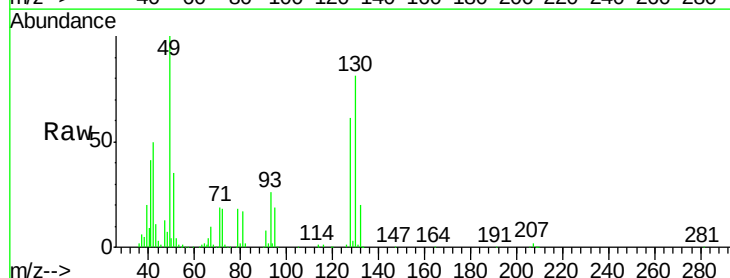
MMDadoda
2/5/2019 10:42:48 AM

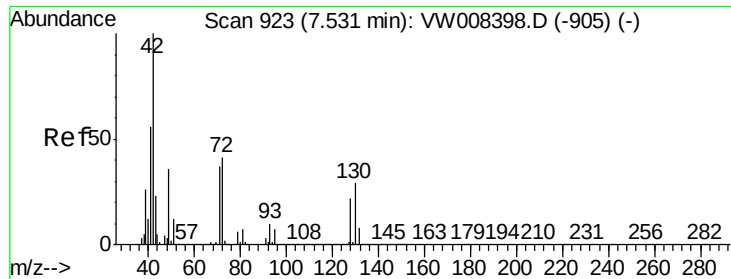


#28

Bromochloromethane
Concen: 44.483 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	151627		
129	2.3	0.0	4.6	
130	77.7	58.6	87.8	





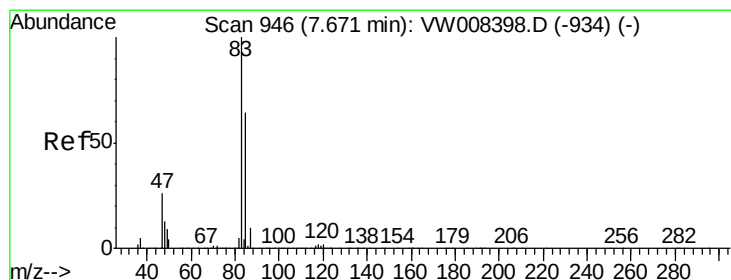
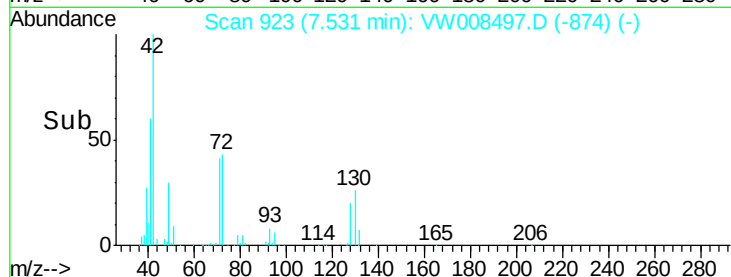
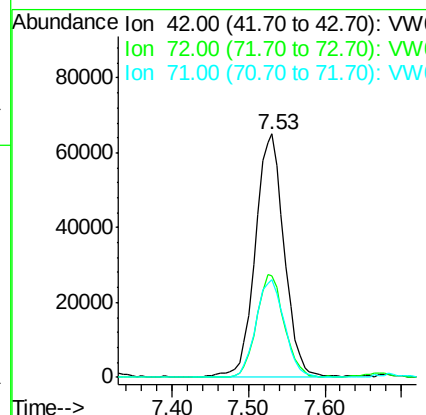
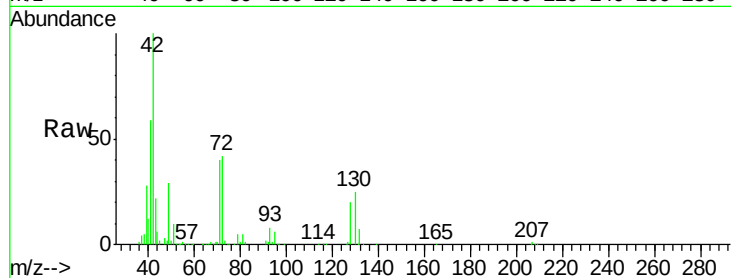
#29
Tetrahydrofuran
Concen: 219.755 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	31.9	47.9
71	40.2	29.9	44.9

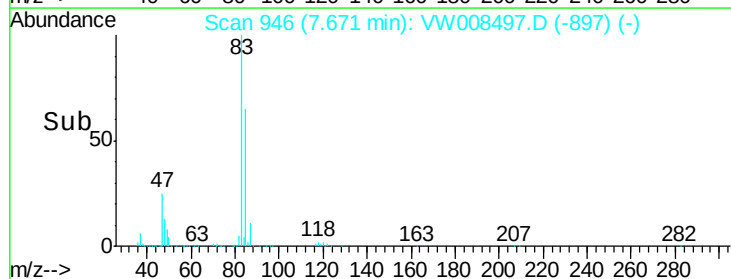
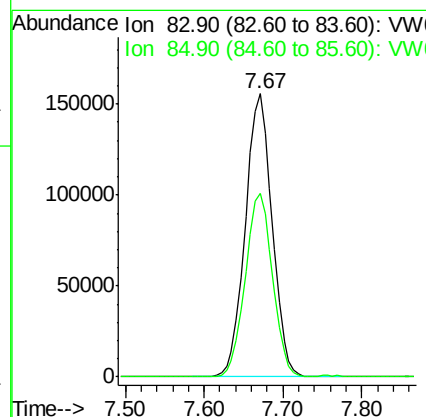
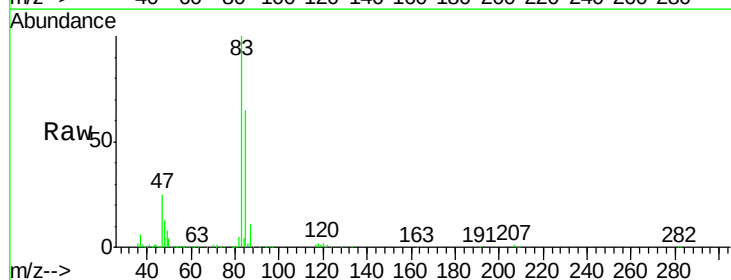
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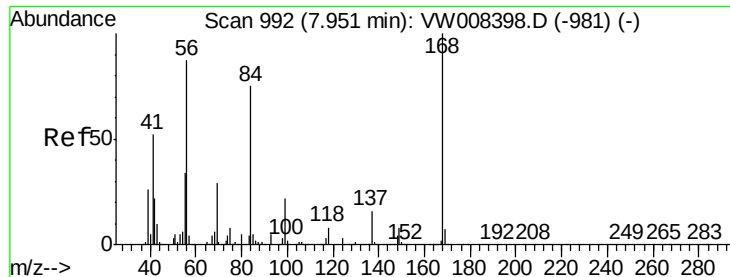
MMDadoda
2/5/2019 10:42:48 AM



#30
Chloroform
Concen: 50.404 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3





#31

Cyclohexane

Concen: 43.789 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

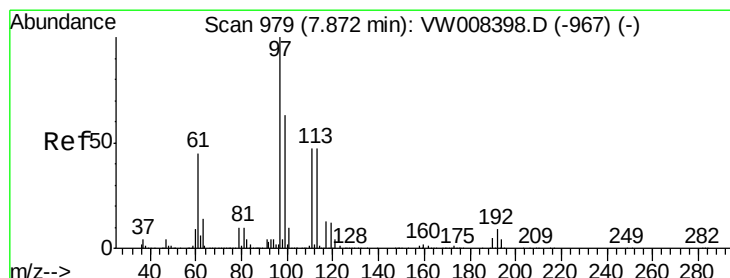
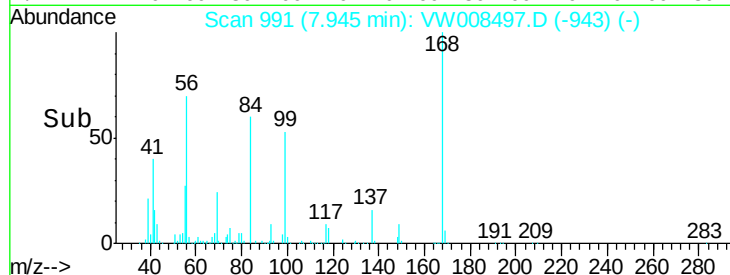
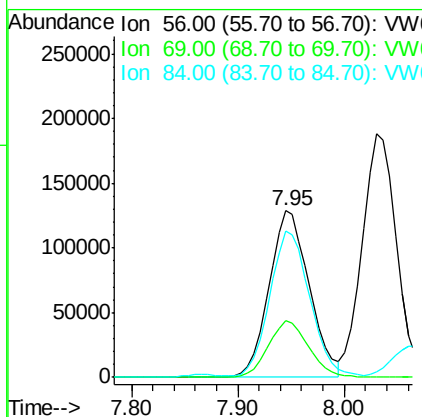
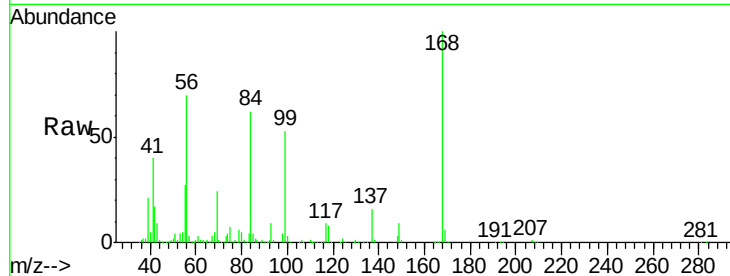
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	336033
Ion Ratio		Lower	Upper
56	100		
69	33.9	26.4	39.6
84	87.0	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.168 ug/l

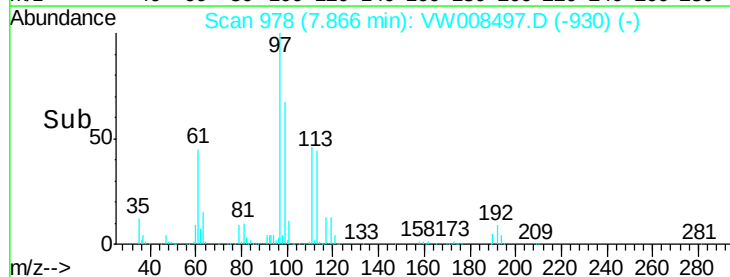
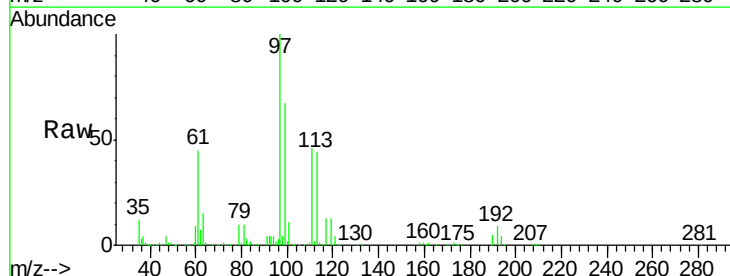
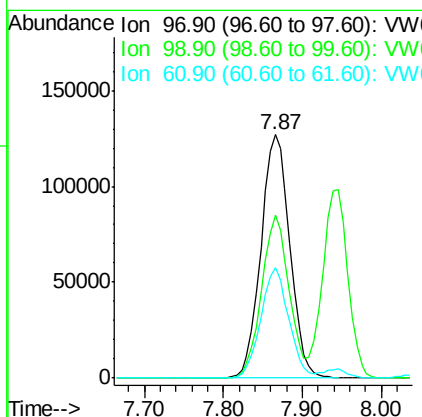
RT: 7.87 min Scan# 978

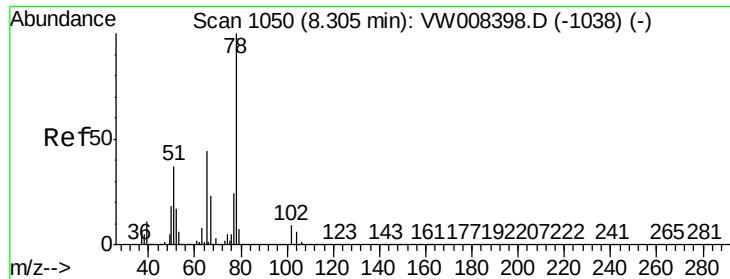
Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tgt Ion:	97	Resp:	322610
Ion Ratio		Lower	Upper
97	100		
99	64.0	51.3	76.9
61	43.8	36.2	54.4





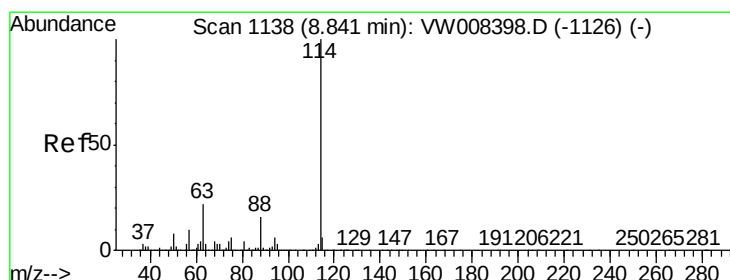
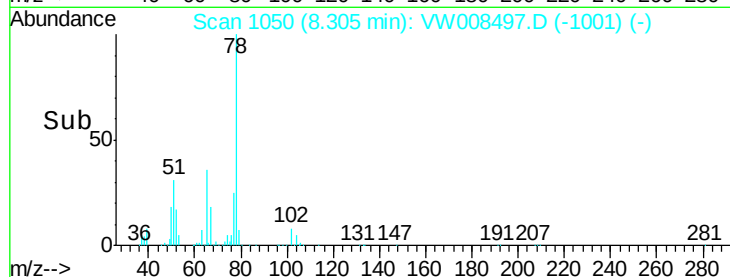
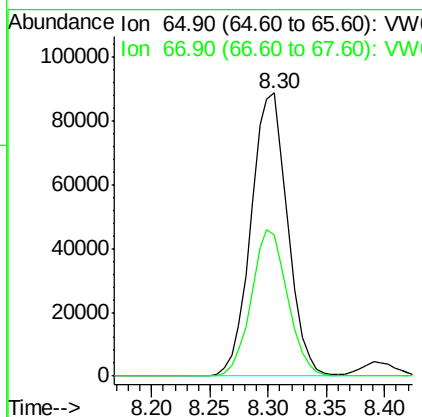
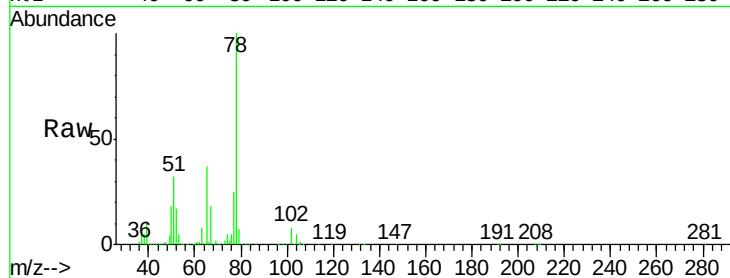
#33
 1,2-Dichloroethane-d4
 Concen: 49.833 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194851		
67	50.8	0.0	104.0	

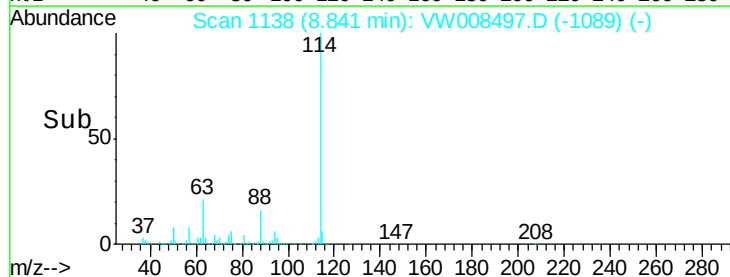
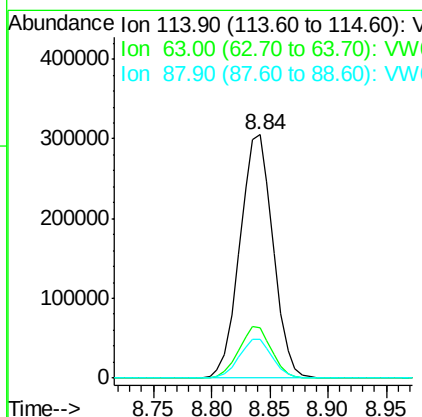
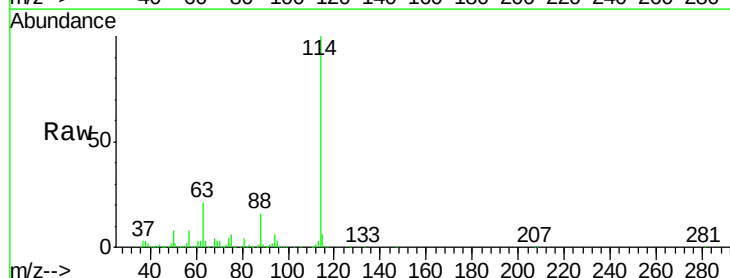
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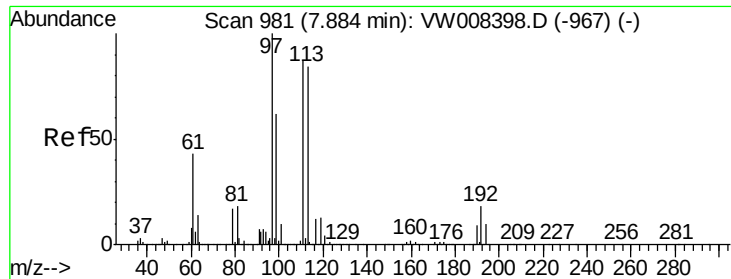
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	606663		
63	20.6	0.0	43.6	
88	15.7	0.0	31.8	





#35

Dibromofluoromethane

Concen: 54.228 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

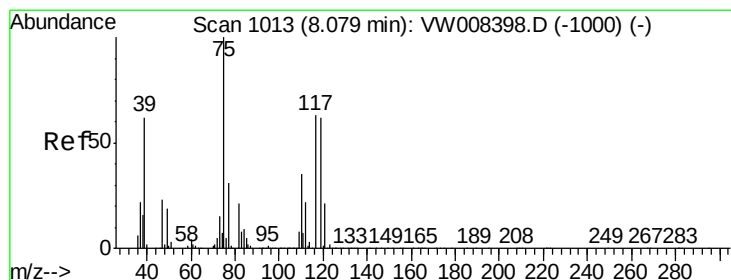
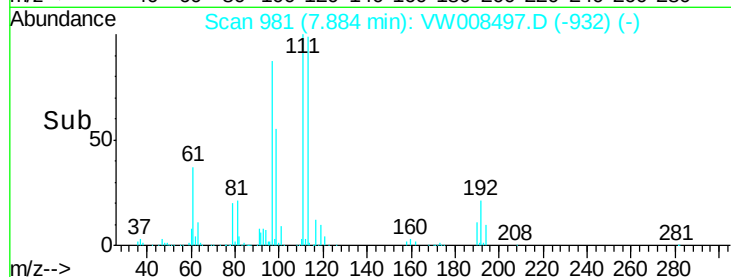
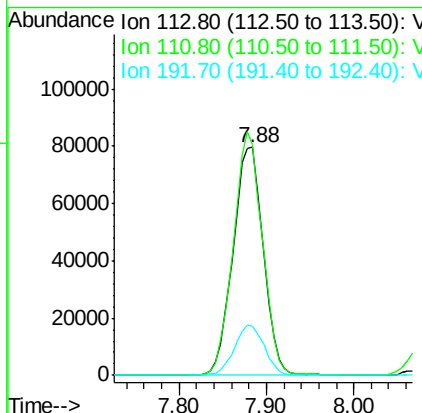
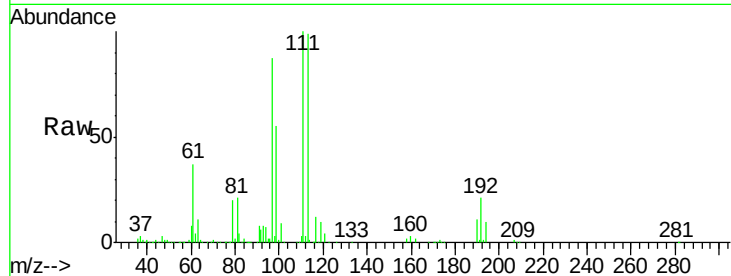
ClientSampled :

VSTDCCC050

Tot Ion:	113	Resp:	192366
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.0	121.4
192	21.7	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 52.213 ug/l

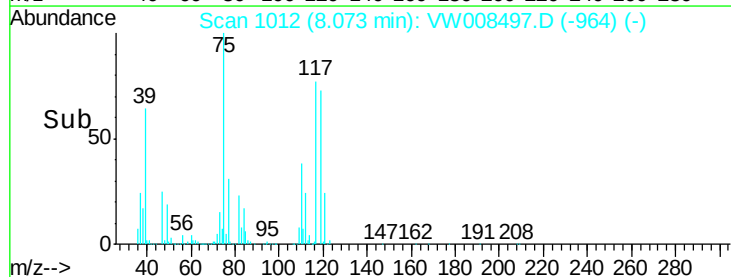
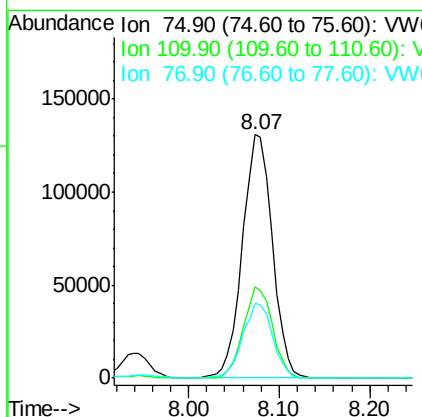
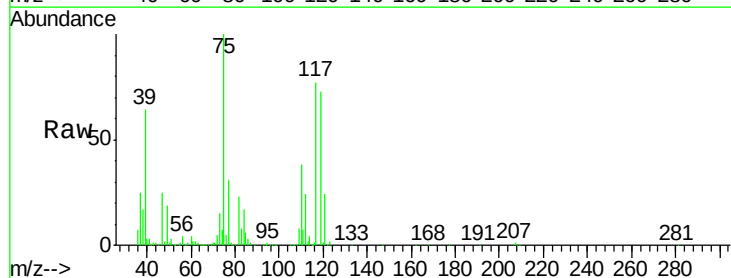
RT: 8.07 min Scan# 1012

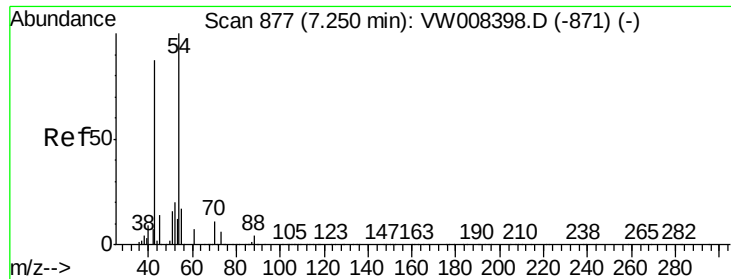
Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tgt Ion:	75	Resp:	299210
Ion Ratio	Lower	Upper	
75	100		
110	36.7	17.3	52.0
77	30.7	24.7	37.1





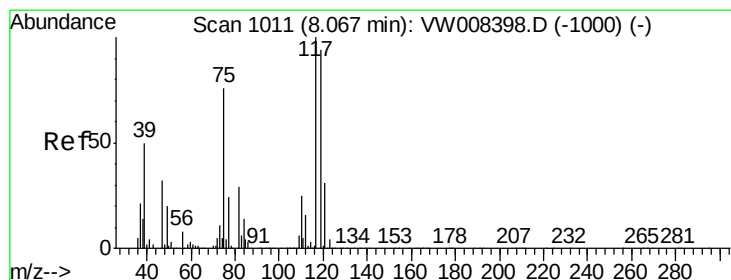
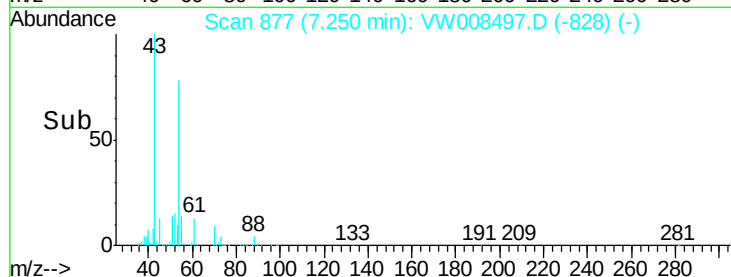
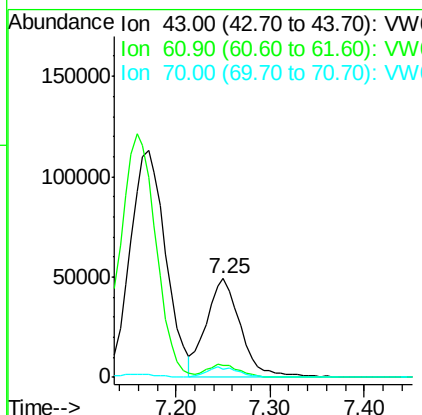
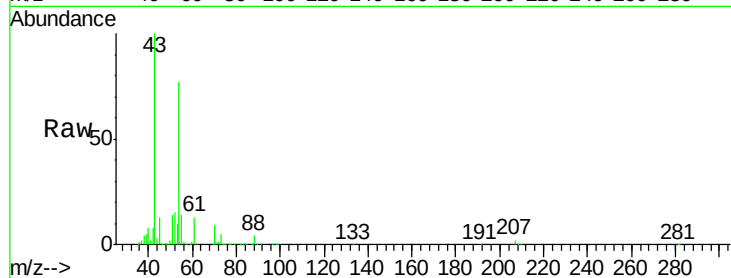
#37
Ethyl Acetate
Concen: 48.271 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.1	15.1
70	10.2	7.8	11.6

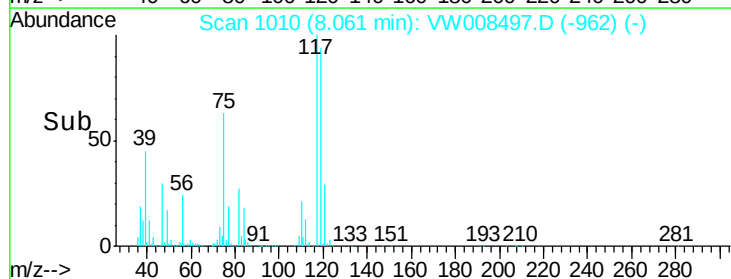
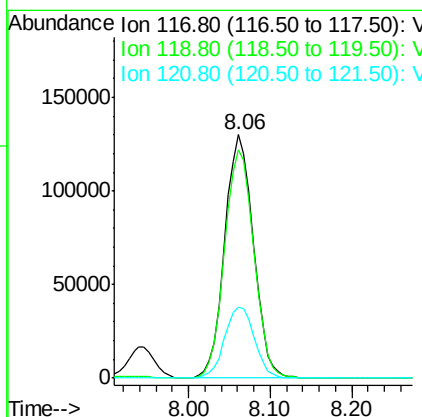
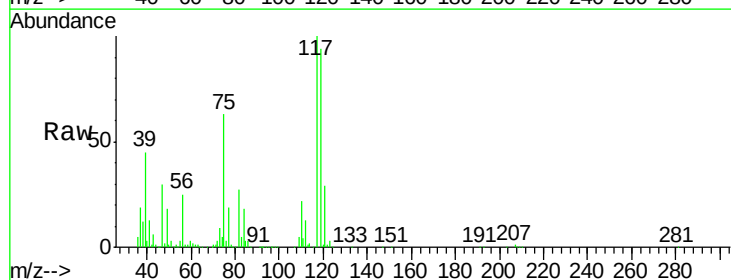
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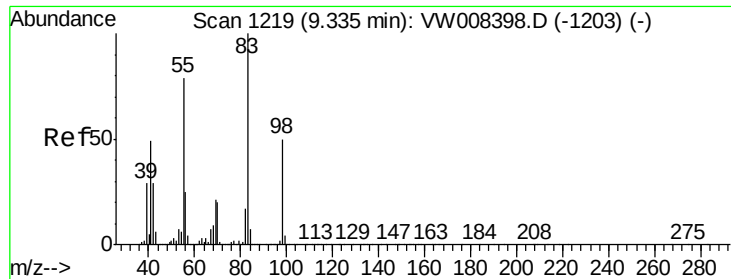
MMDadoda
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#38
Carbon Tetrachloride
Concen: 54.820 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.0	112.4
121	29.3	24.9	37.3





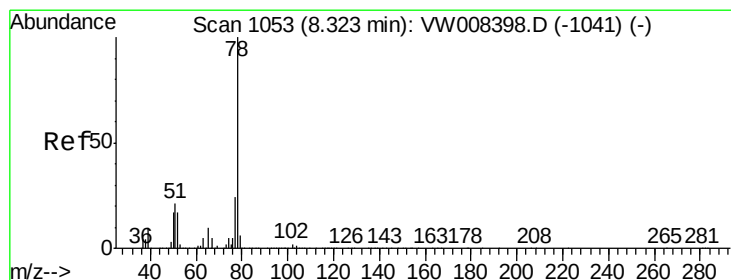
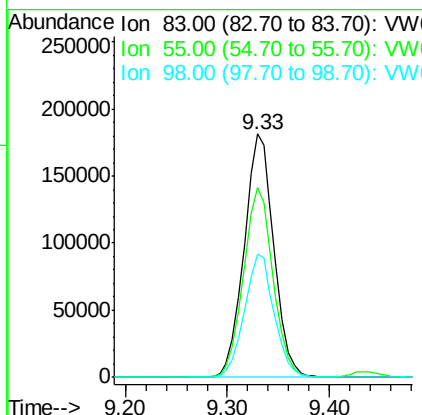
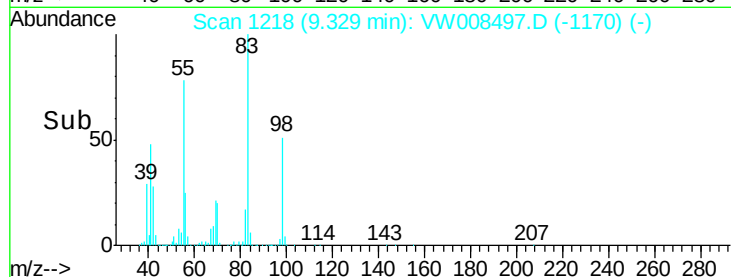
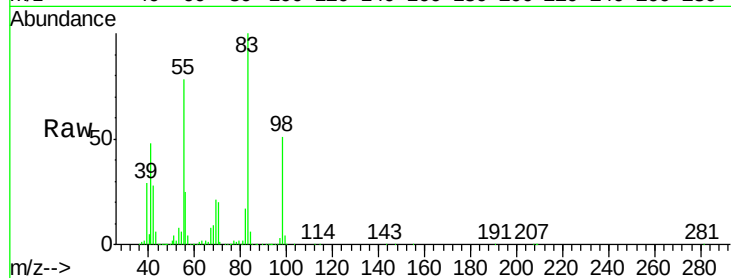
#39
Methylvlcyclohexane
Concen: 48.658 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	63.3	94.9
98	50.6	39.7	59.5

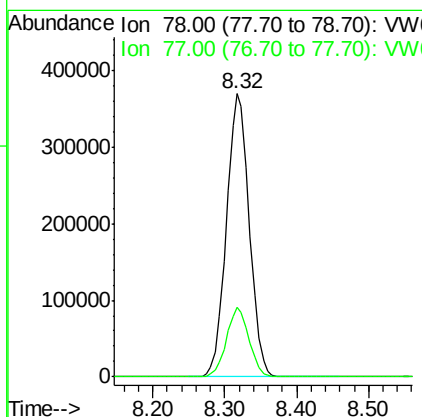
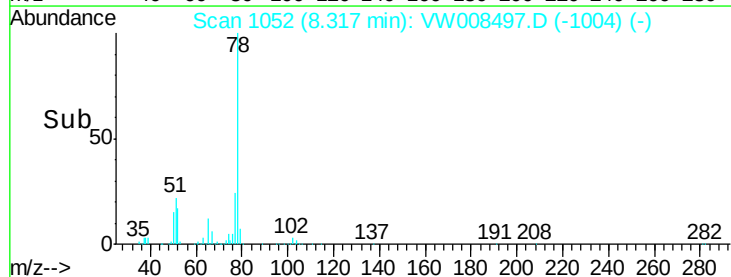
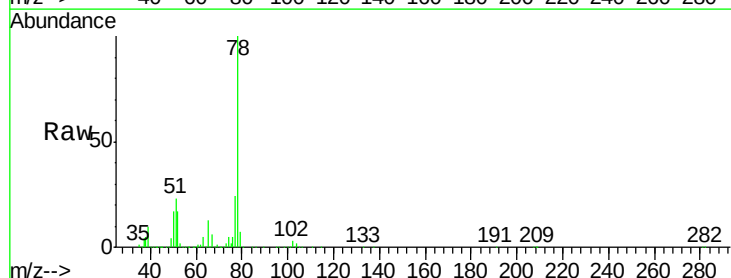
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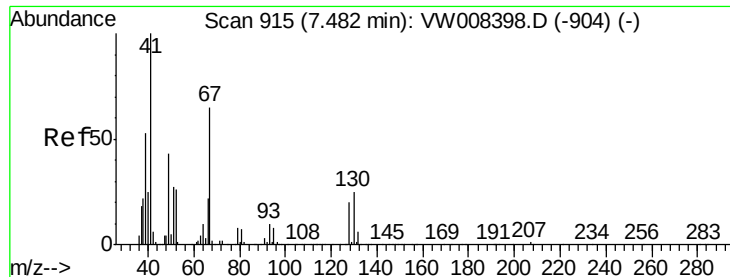
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#40
Benzene
Concen: 51.048 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





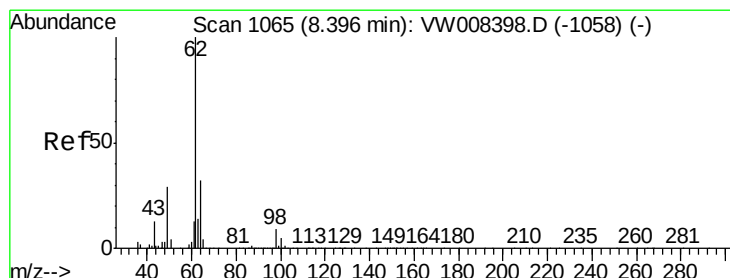
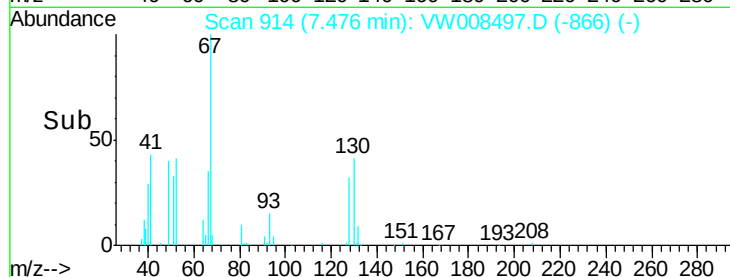
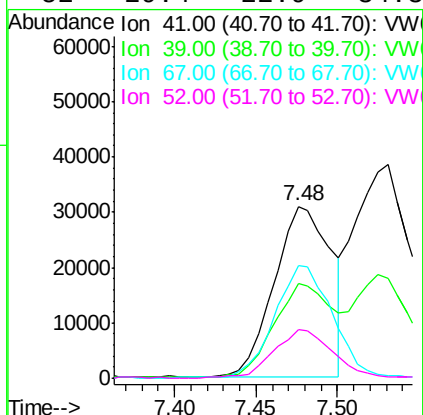
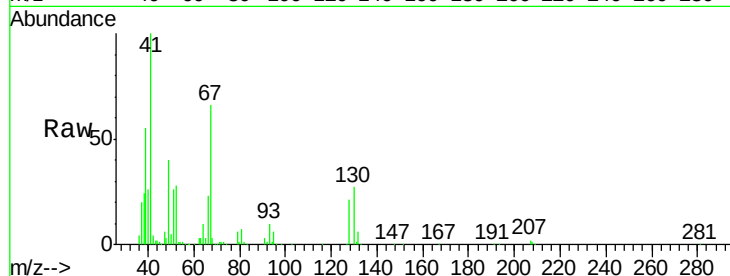
#41
Methacrylonitrile
Concen: 49.526 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	43.4	65.0	
67	67.7	54.2	81.2	
52	29.4	22.9	34.3	

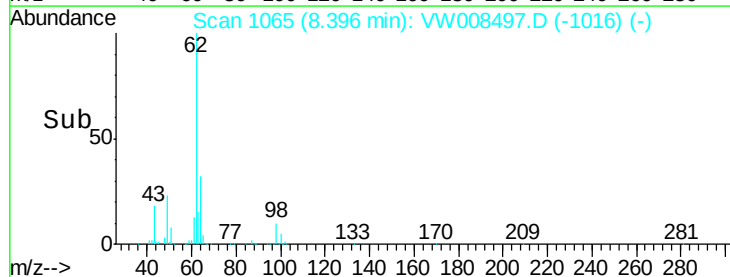
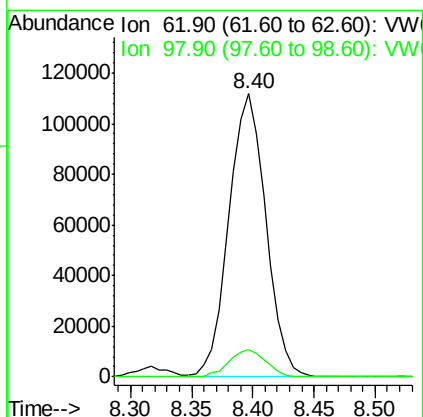
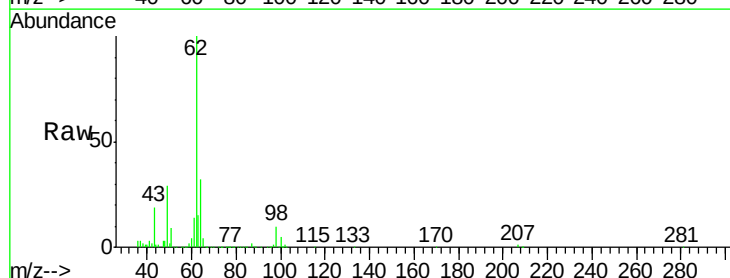
Manual Integrations
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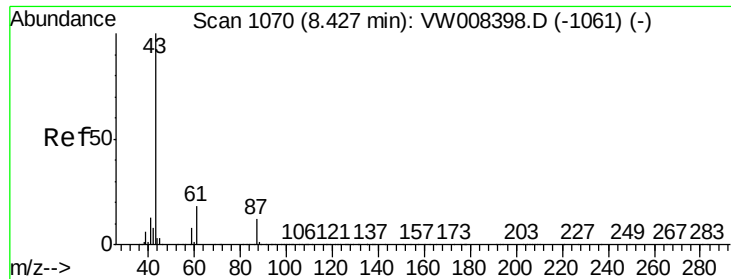
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.779 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	18.6	





#43

Isopropyl Acetate

Concen: 47.182 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

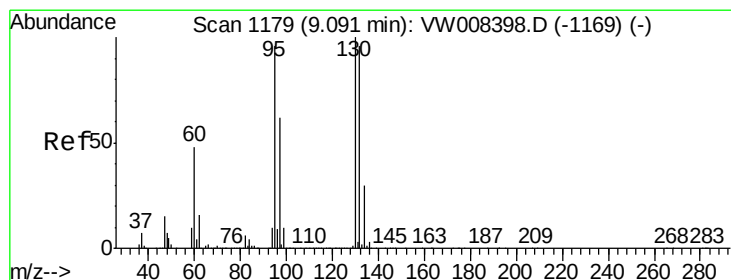
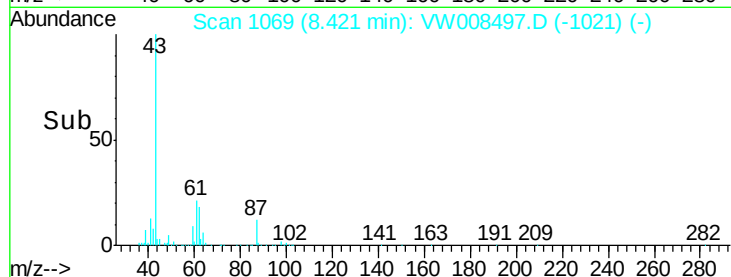
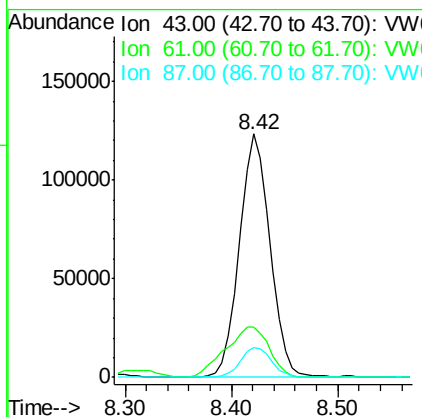
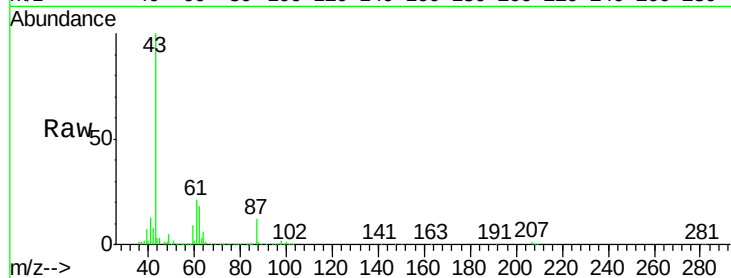
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	248526
Ion	Ratio	Lower	Upper
43	100		
61	29.7	22.0	33.0
87	12.7	9.3	13.9

Manual Integrations
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2/5/2019 10:42:48 AM



#44

Trichloroethene

Concen: 53.910 ug/l

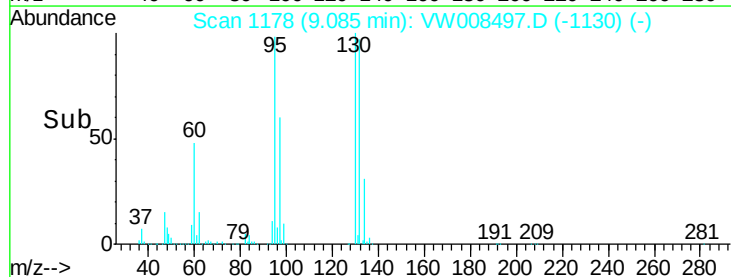
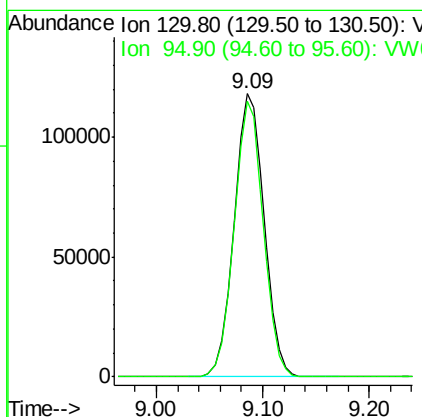
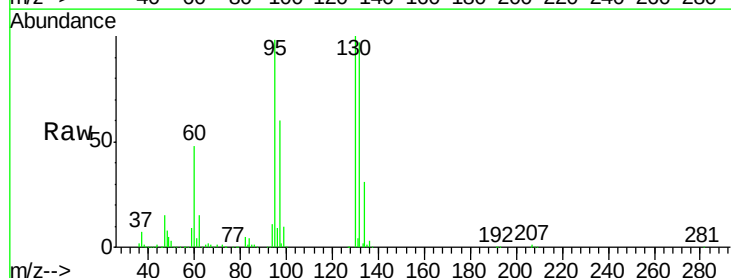
RT: 9.09 min Scan# 1178

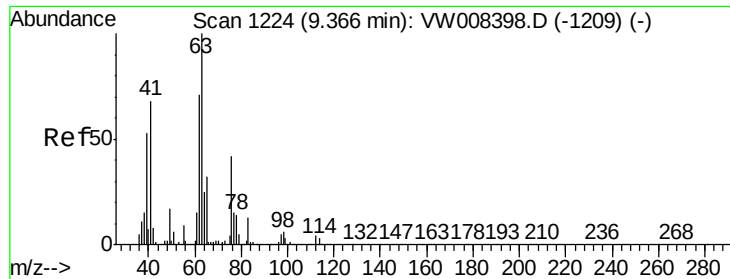
Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tgt Ion:	130	Resp:	233120
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	191.6





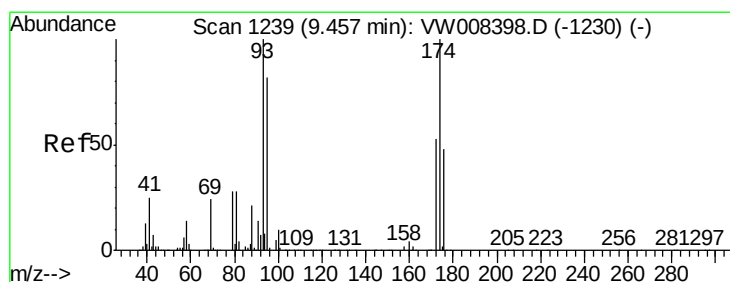
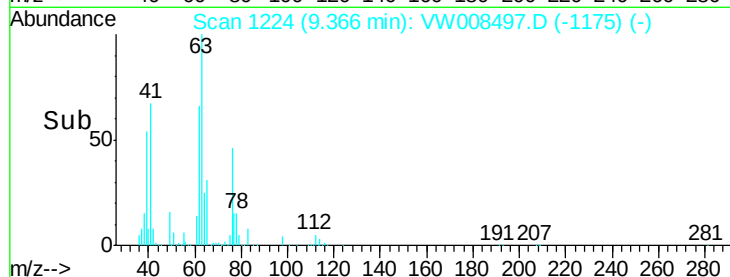
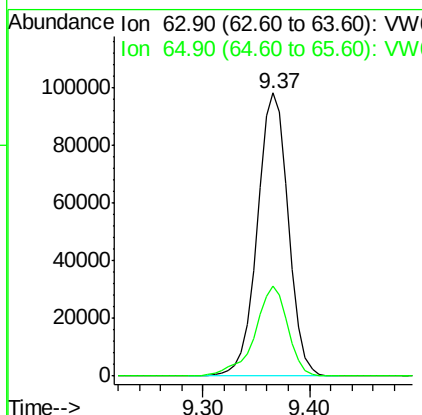
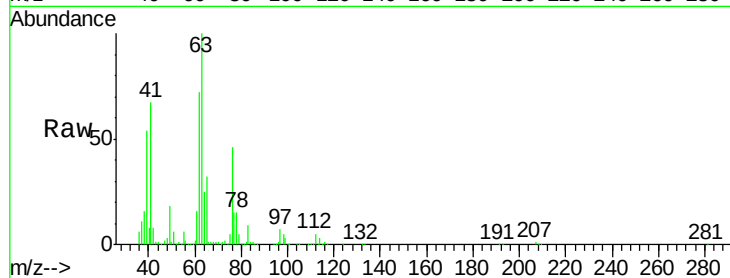
#45
 1,2-Dichloropropane
 Concen: 50.431 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.2	37.8

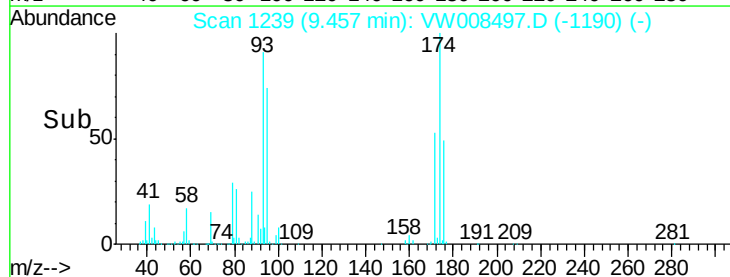
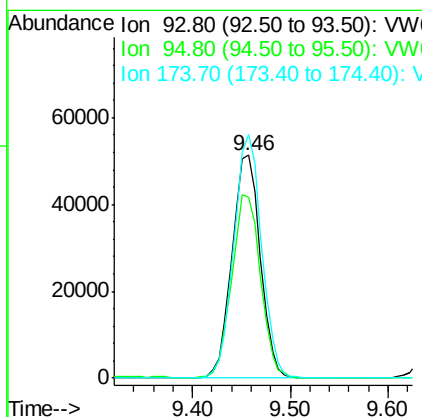
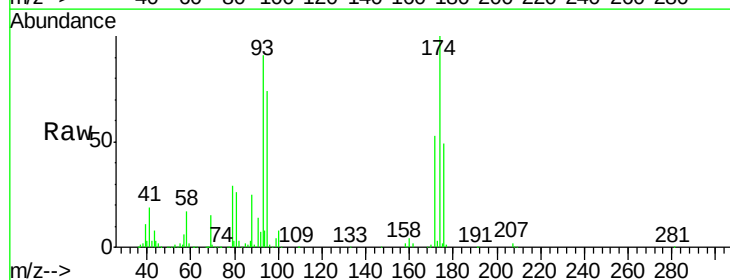
Manual Integrations
 APPROVED

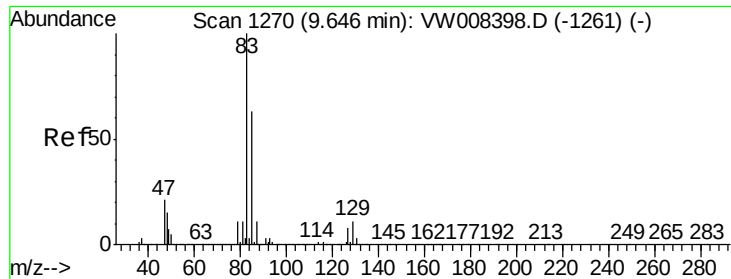
MMDadoda
 2/5/2019 10:42:48 AM



#46
 Dibromomethane
 Concen: 50.644 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.9	98.9
174	107.6	81.0	121.6





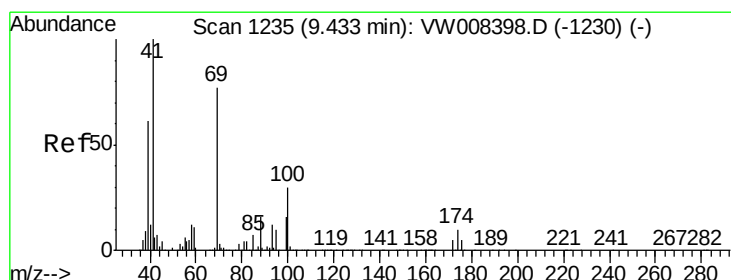
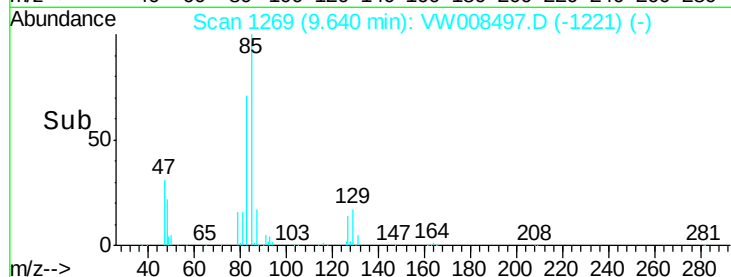
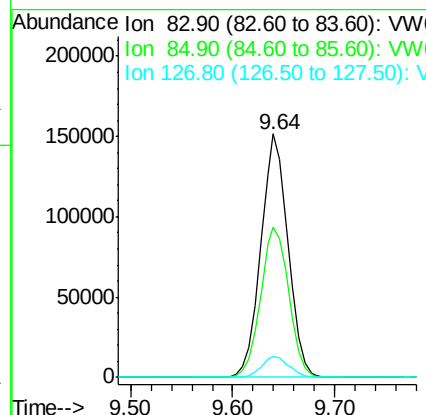
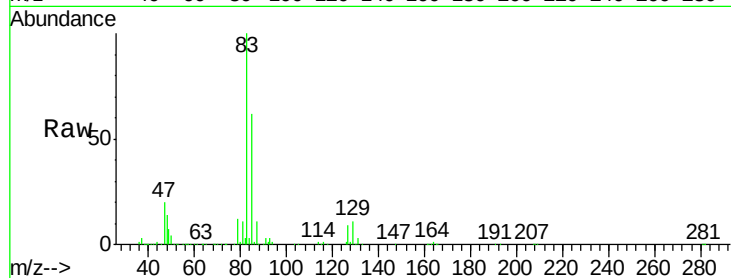
#47
Bromodichloromethane
Concen: 52.002 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	280499		
85	61.6		50.8	76.2
127	8.6		6.8	10.2

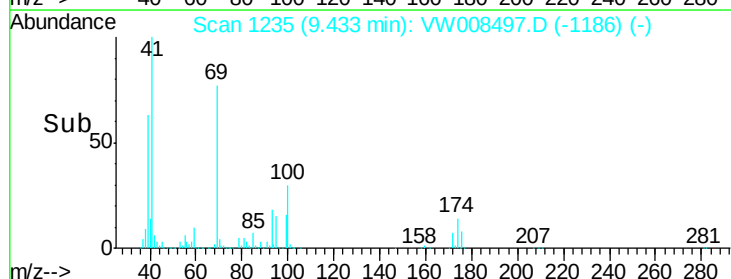
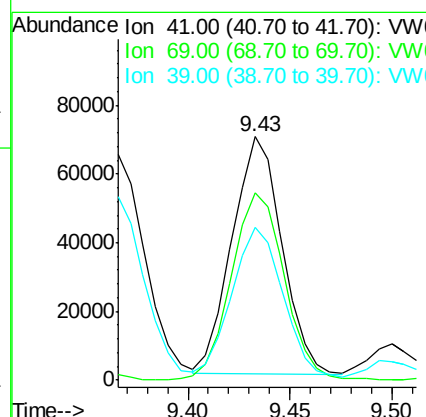
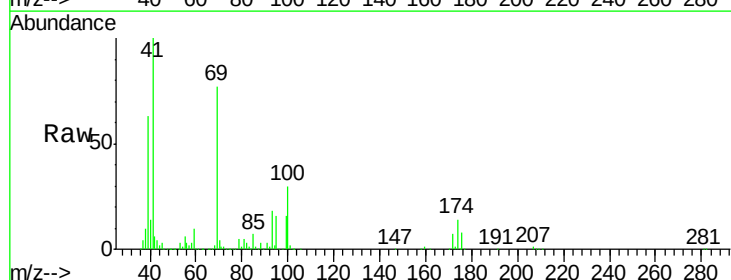
Manual Integrations
APPROVED

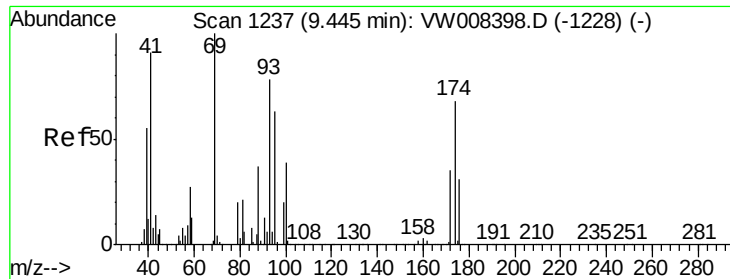
MMDadoda
2/5/2019 10:42:48 AM



#48
Methyl methacrylate
Concen: 45.365 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	116838		
69	83.7		64.8	97.2
39	64.1		49.1	73.7





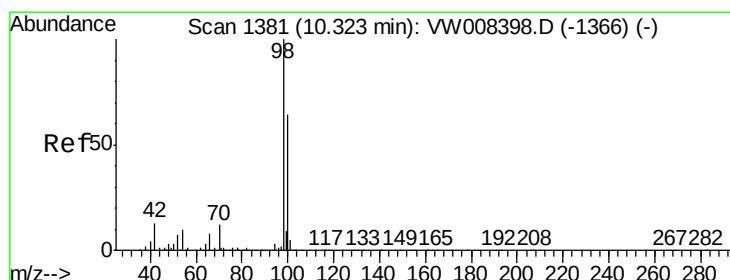
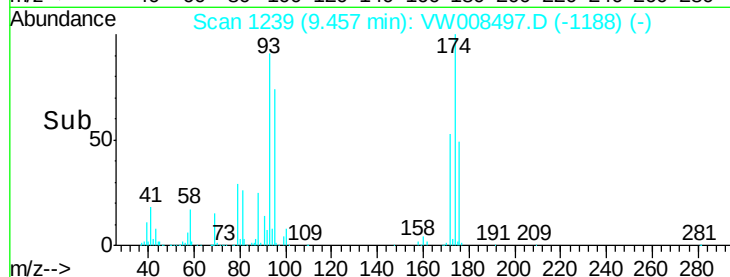
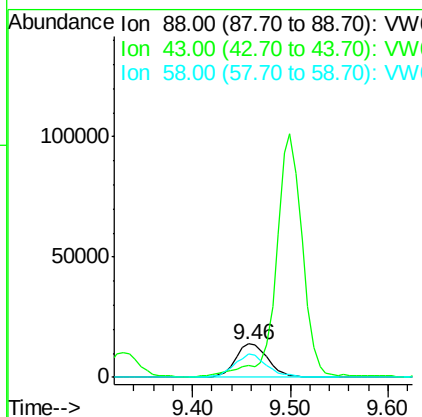
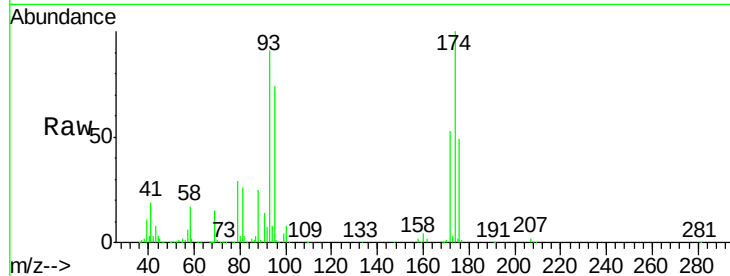
#49
1,4-Dioxane
Concen: 941.504 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	70.2	56.4	84.6

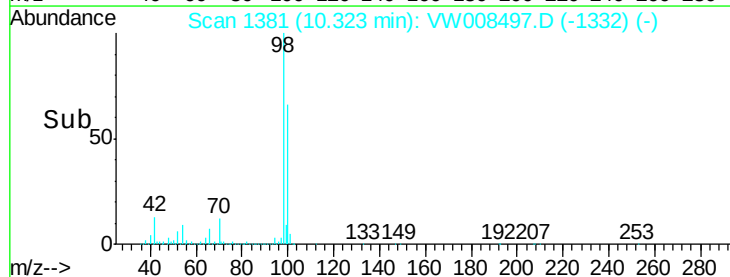
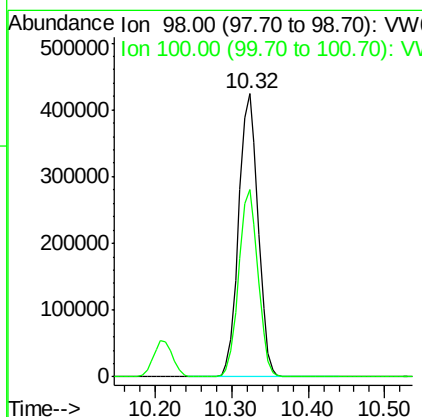
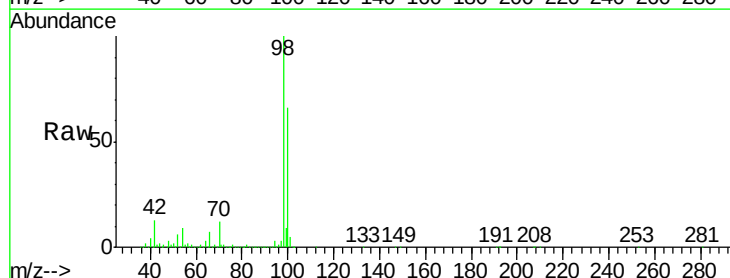
Manual Integrations
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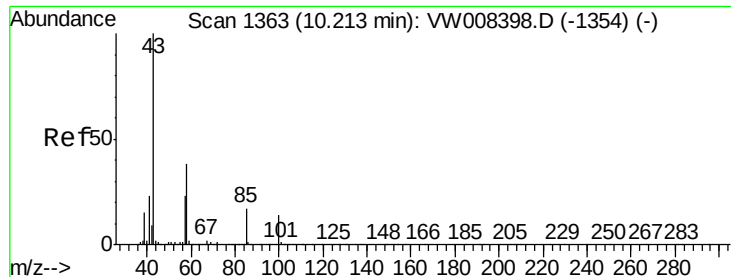
MMDadoda
2/5/2019 10:42:48 AM



#50
Toluene-d8
Concen: 52.263 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 232.100 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 603978

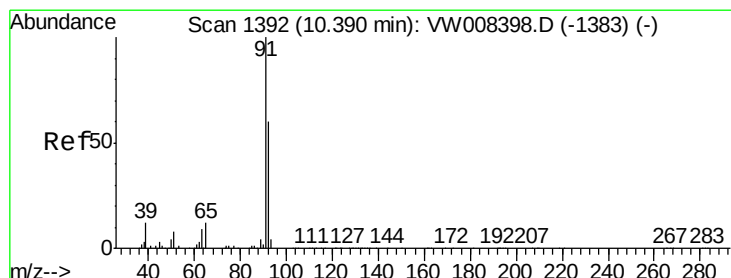
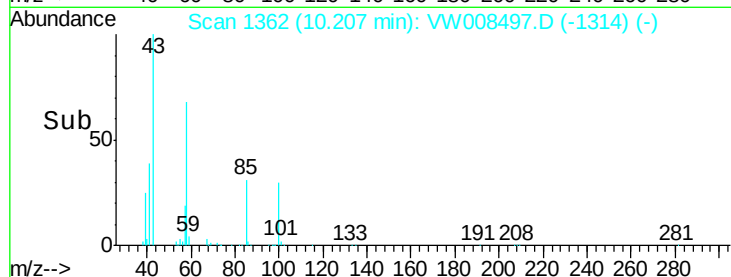
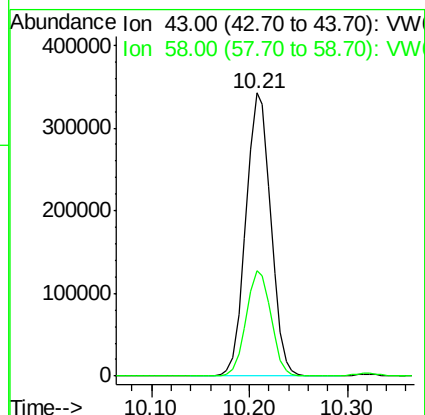
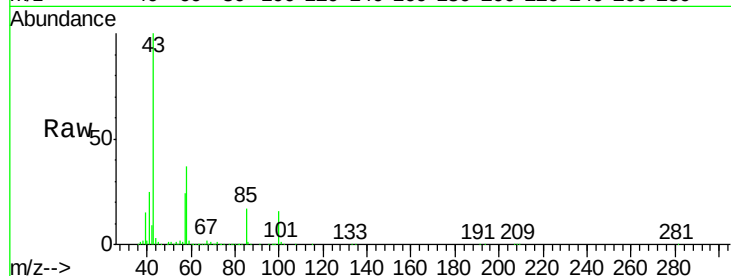
Ion Ratio Lower Upper

43 100

58 37.4 29.7 44.5

Manual Integrations
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MMDadoda
2/5/2019 10:42:48 AM



#52

Toluene

Concen: 50.094 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008497.D

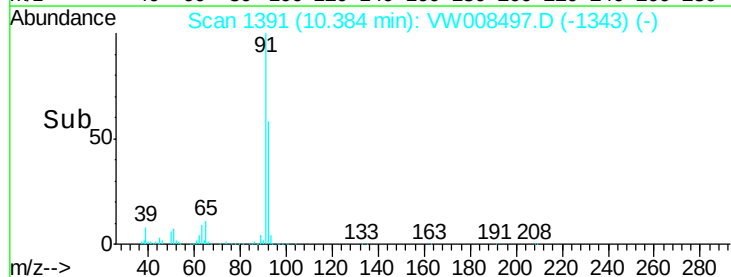
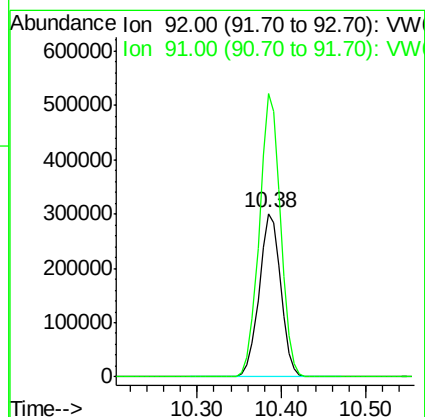
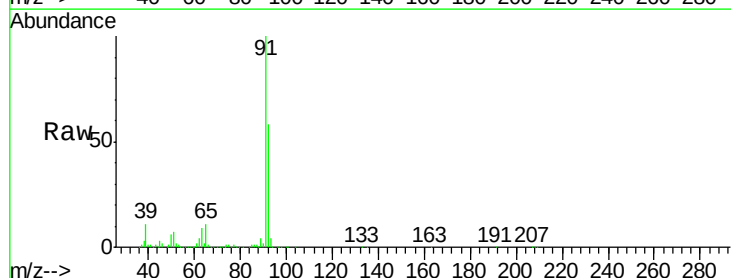
Acq: 04 Feb 2019 10:07

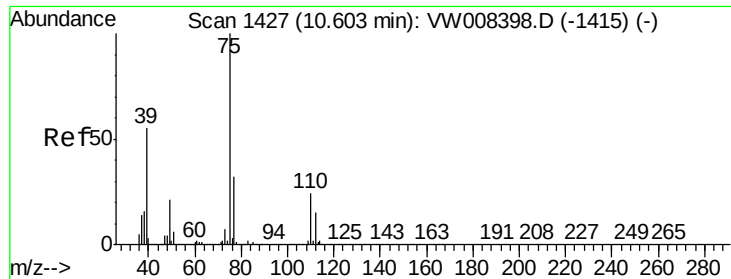
Tgt Ion: 92 Resp: 525834

Ion Ratio Lower Upper

92 100

91 170.9 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 49.709 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 285308

Ion Ratio Lower Upper

75 100

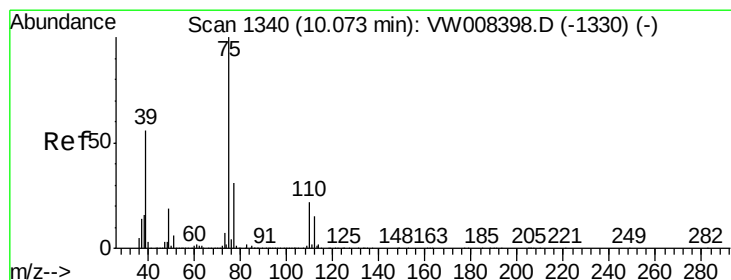
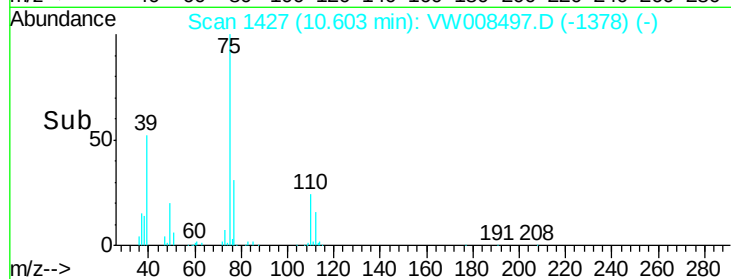
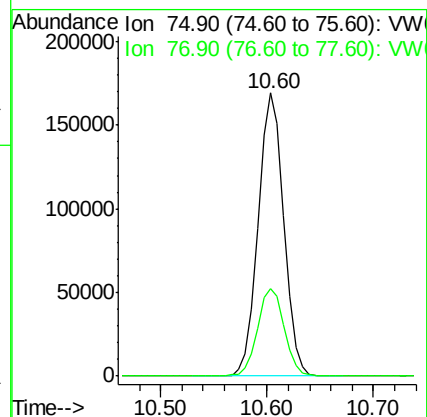
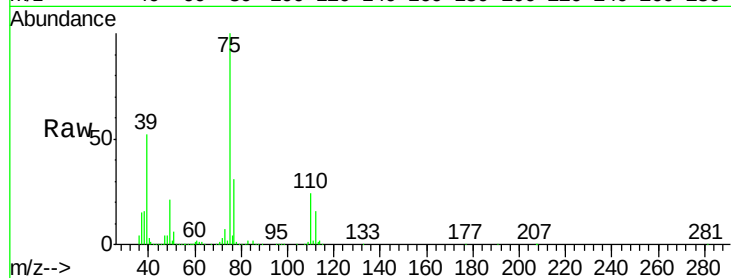
77 30.7 25.3 37.9

Manual Integrations

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MMDadoda

2/5/2019 10:42:48 AM



#54

cis-1,3-Dichloropropene

Concen: 50.760 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

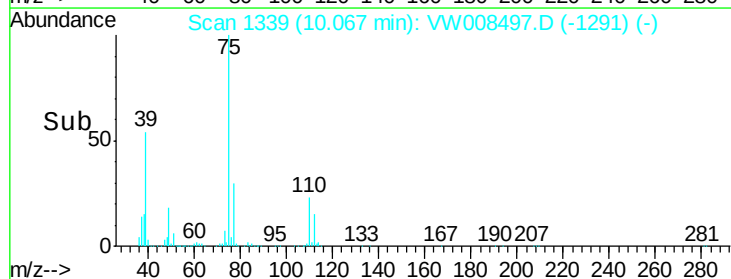
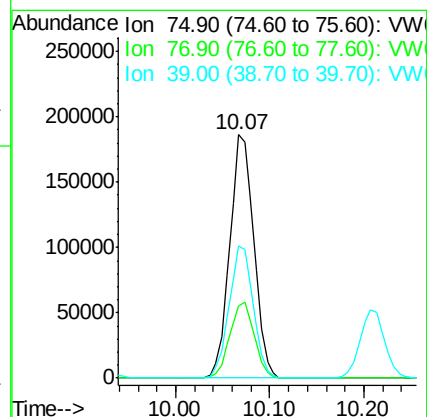
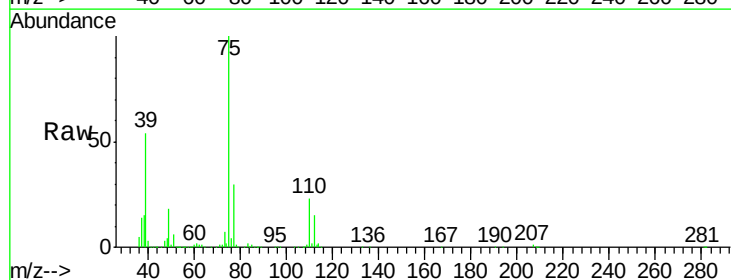
Tgt Ion: 75 Resp: 330625

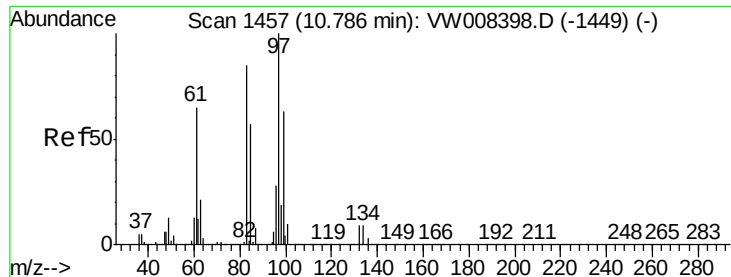
Ion Ratio Lower Upper

75 100

77 29.7 25.0 37.4

39 54.3 44.9 67.3





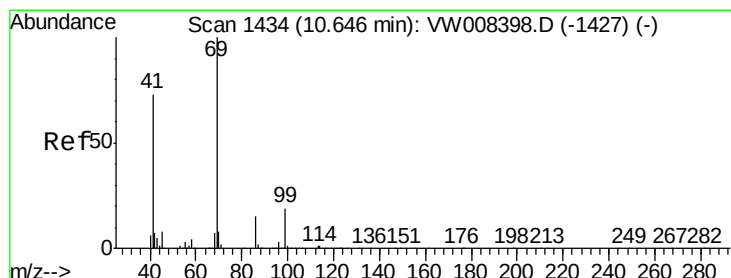
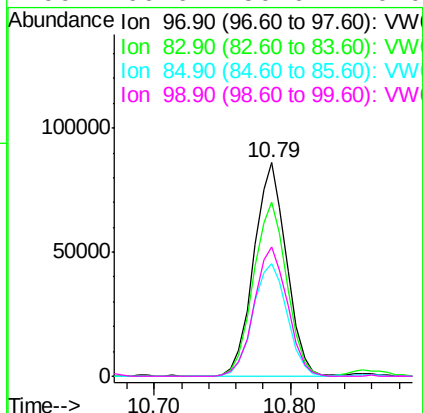
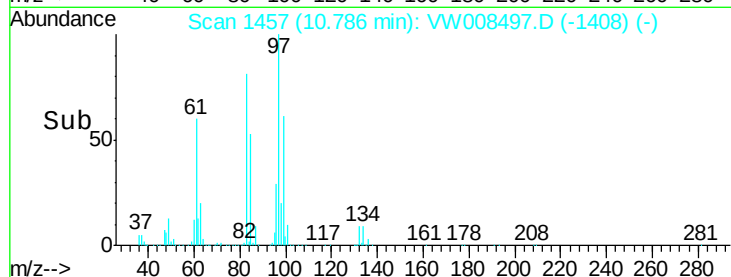
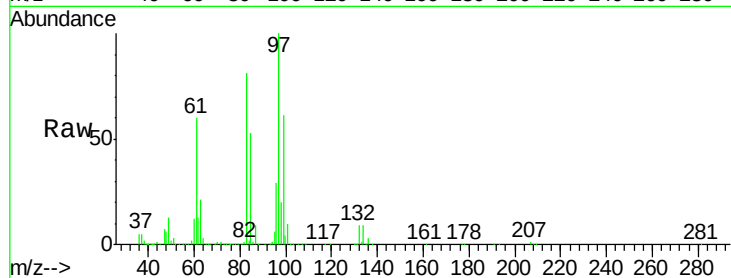
#55
 1,1,2-Trichloroethane
 Concen: 51.153 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	144691
Ion	Ratio	Lower	Upper
97	100		
83	81.4	68.4	102.6
85	52.8	45.3	67.9
99	60.6	50.6	76.0

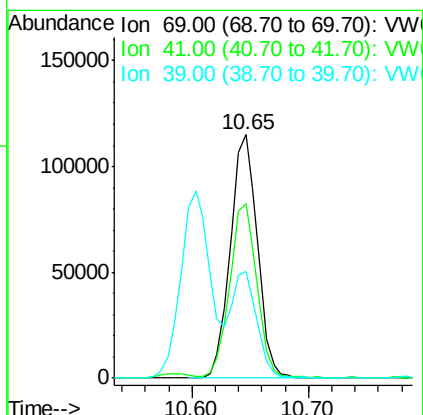
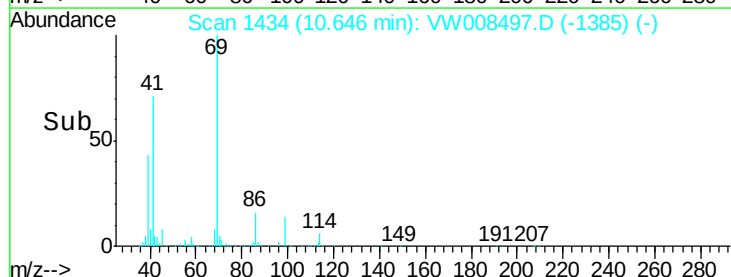
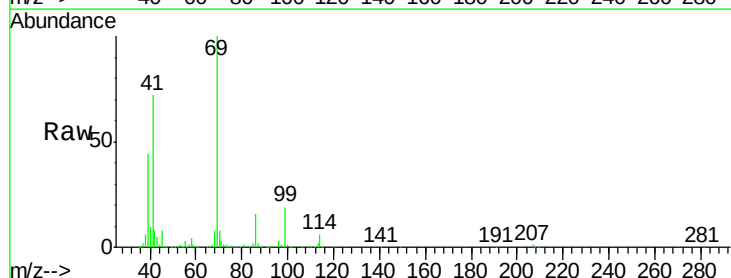
Manual Integrations
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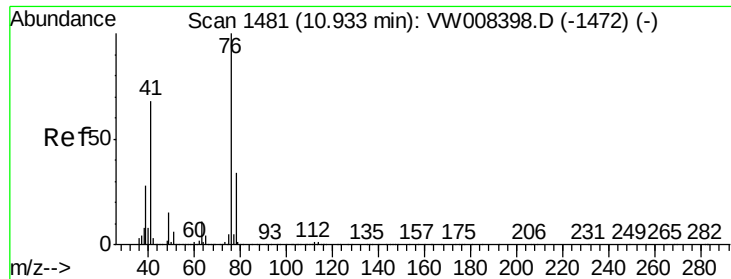
MMDadoda
 2/5/2019 10:42:48 AM



#56
 Ethyl methacrylate
 Concen: 46.700 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Tgt Ion:	69	Resp:	185096
Ion	Ratio	Lower	Upper
69	100		
41	71.8	58.7	88.1
39	40.0	32.6	48.8





#57

1,3-Dichloropropane

Concen: 49.724 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 251975

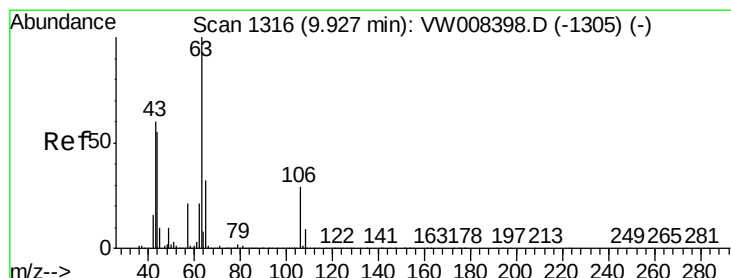
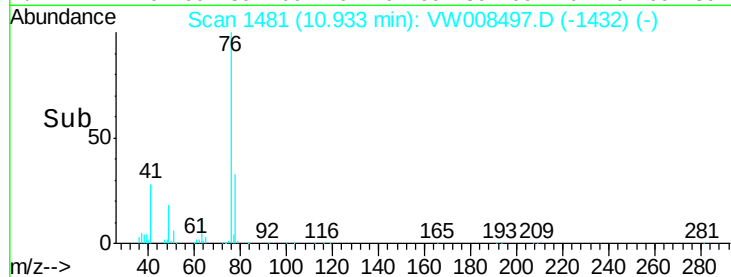
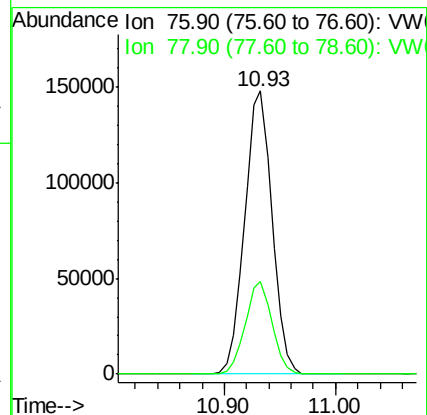
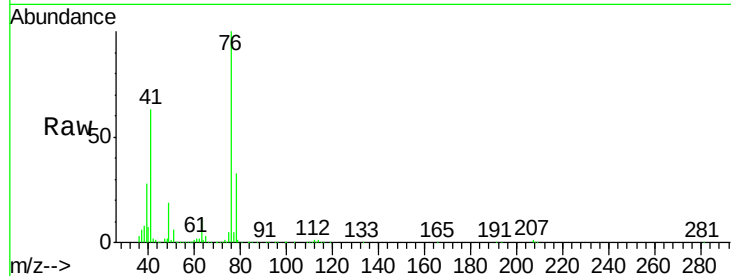
Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8

Manual Integrations
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MMDadoda
2/5/2019 10:42:48 AM



#58

2-Chloroethyl Vinyl ether

Concen: 246.378 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008497.D

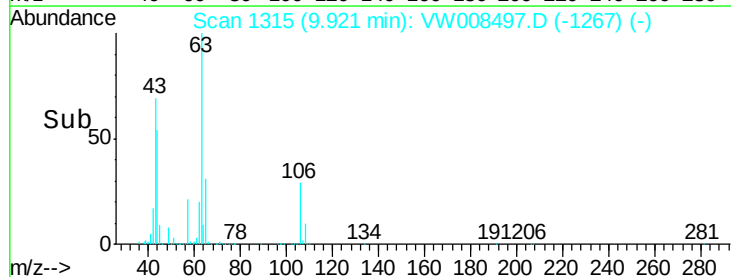
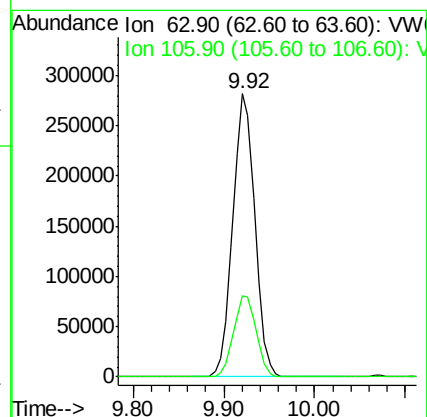
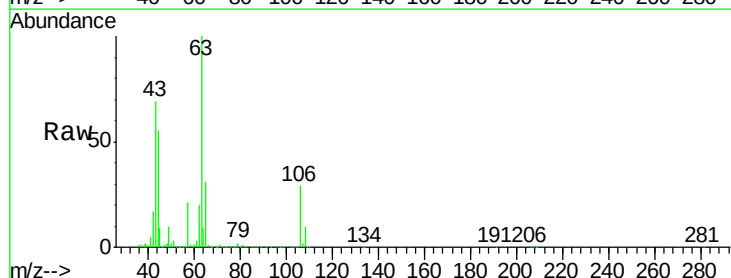
Acq: 04 Feb 2019 10:07

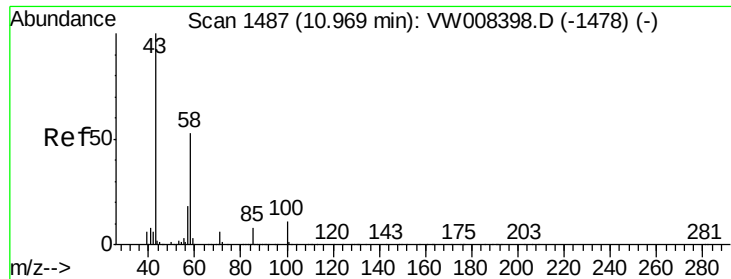
Tgt Ion: 63 Resp: 474463

Ion Ratio Lower Upper

63 100

106 29.5 22.4 33.6





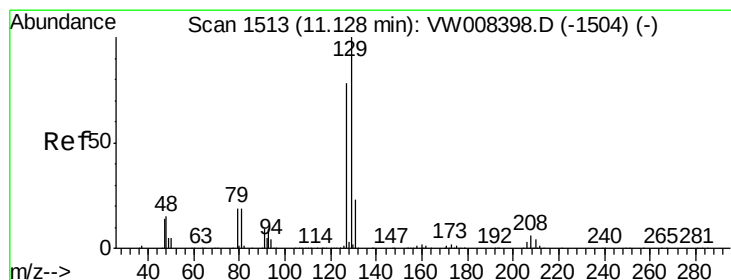
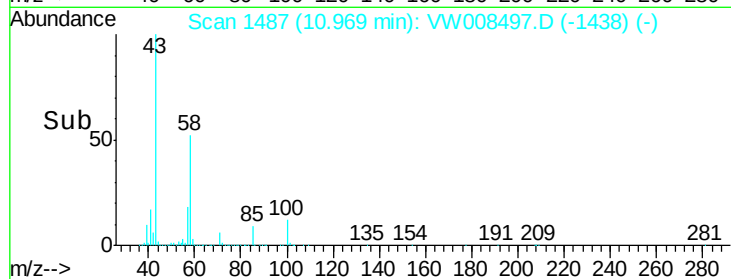
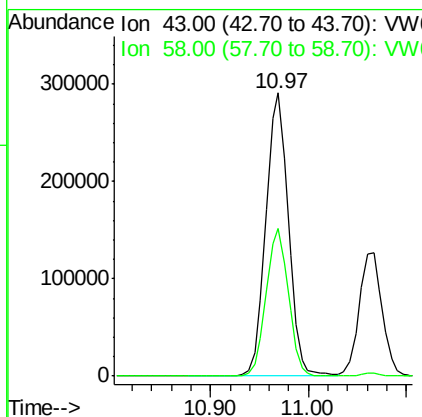
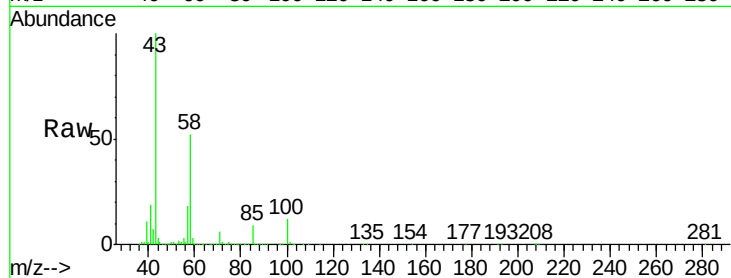
#59
2-Hexanone
Concen: 254.290 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.5	25.9	77.7

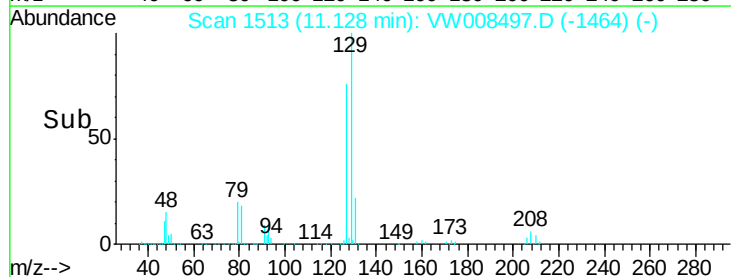
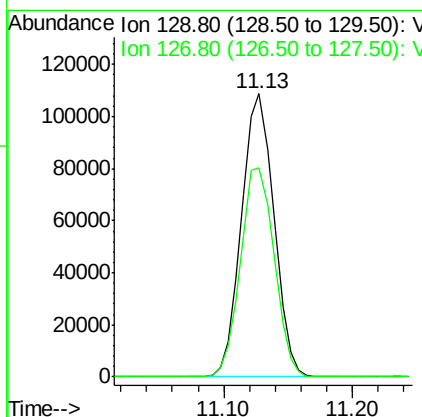
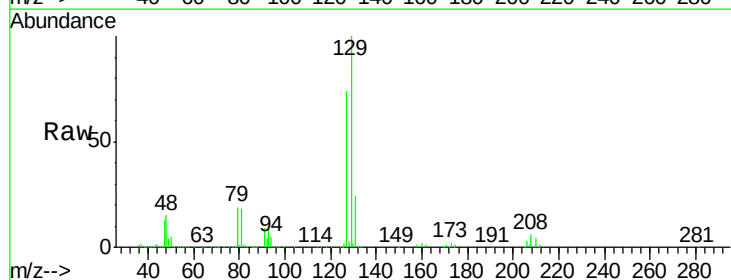
Manual Integrations
APPROVED

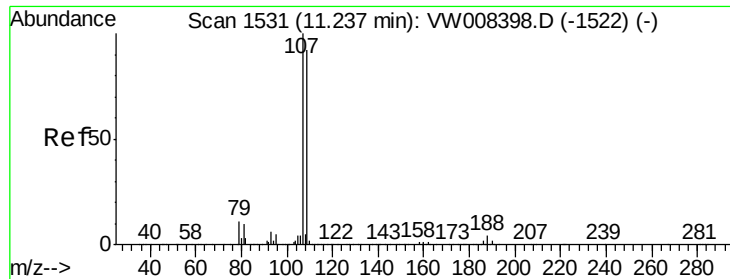
MMDadoda
2/5/2019 10:42:48 AM



#60
Dibromochloromethane
Concen: 52.140 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.1	117.2





#61

1,2-Dibromoethane

Concen: 49.980 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 140179

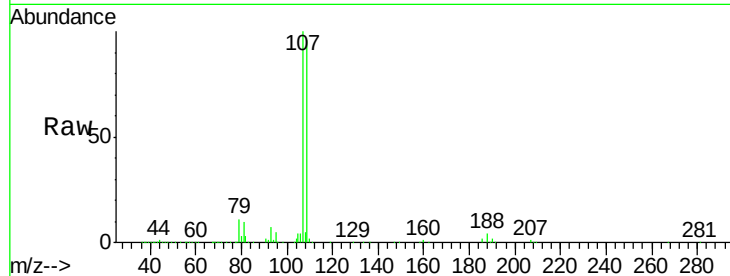
Ion Ratio Lower Upper

107 100

109 94.8 75.0 112.4

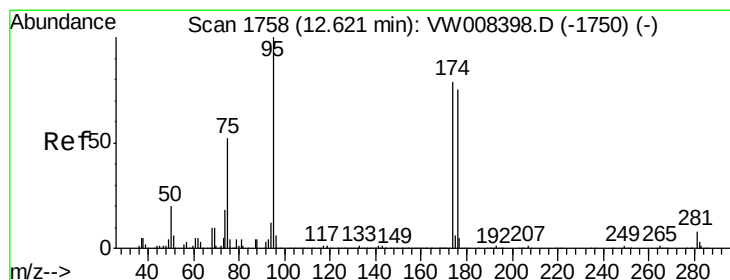
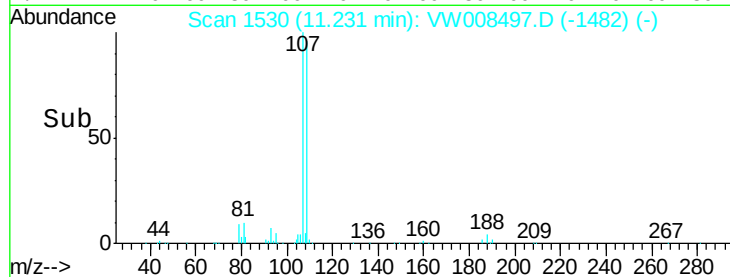
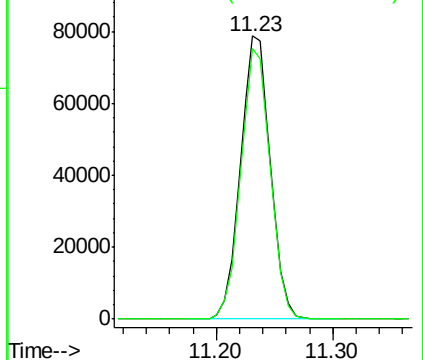
Manual Integrations
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2/5/2019 10:42:48 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.924 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

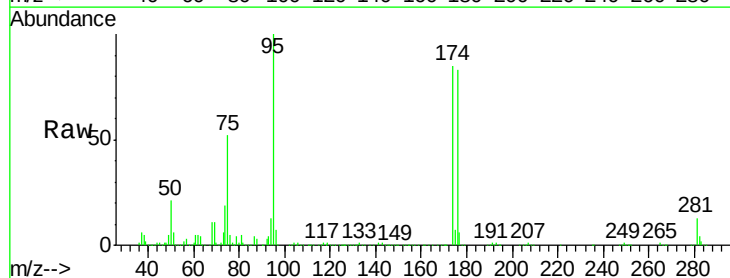
Tgt Ion: 95 Resp: 267512

Ion Ratio Lower Upper

95 100

174 82.7 0.0 157.6

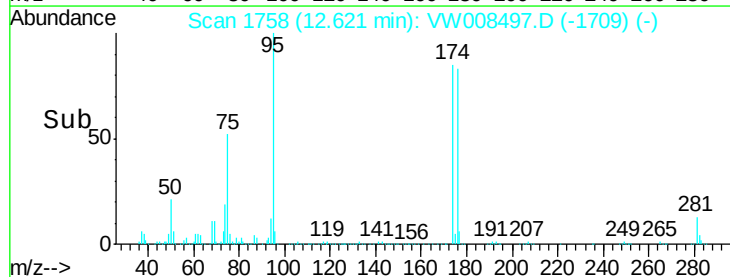
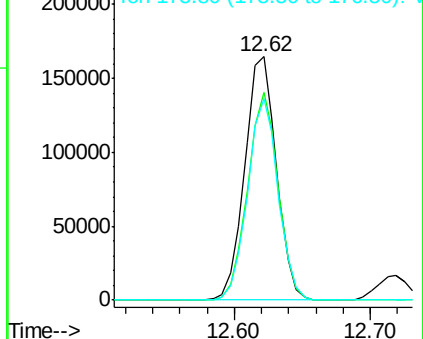
176 80.3 0.0 151.8

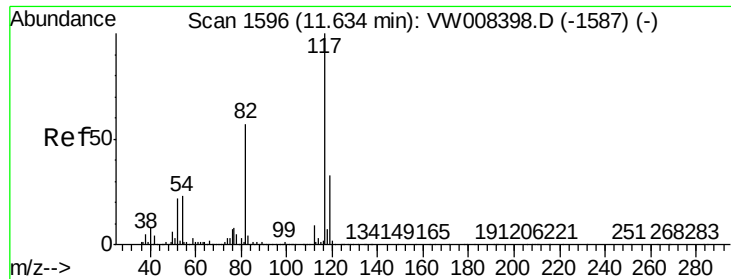


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





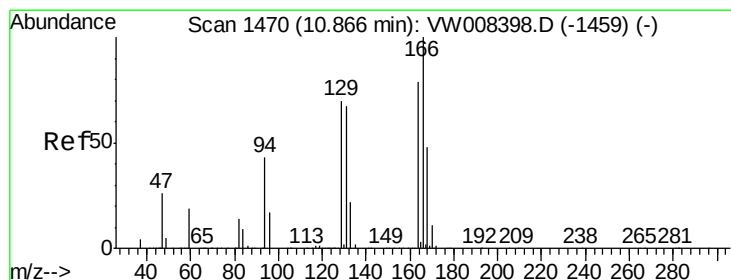
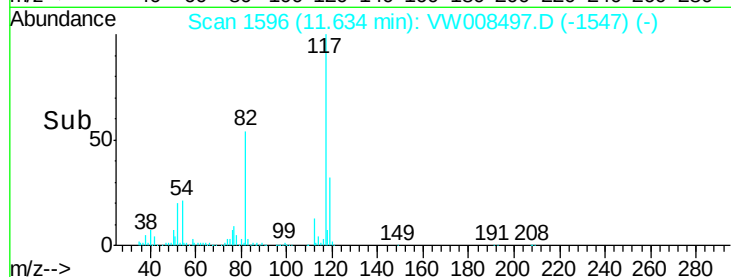
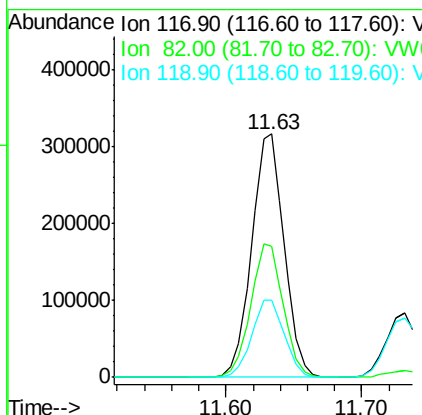
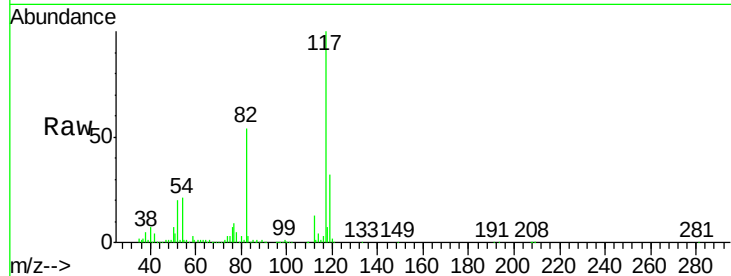
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.6	45.4	68.0
119	31.7	26.2	39.4

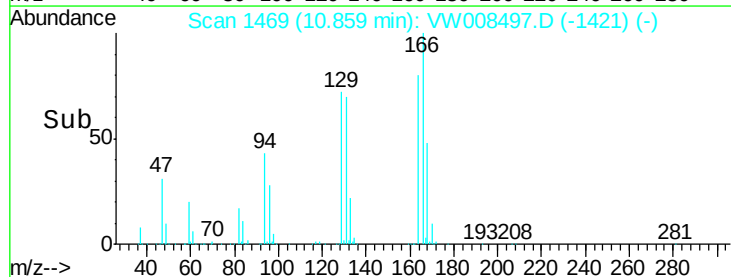
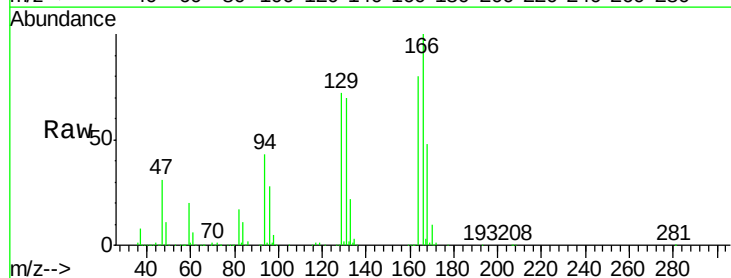
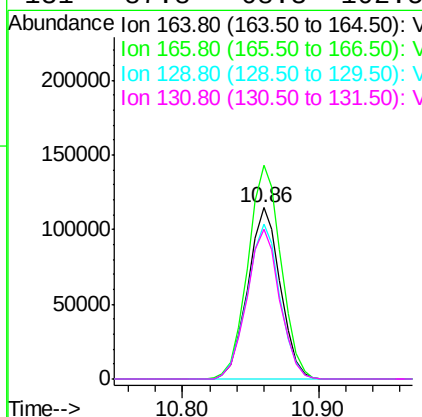
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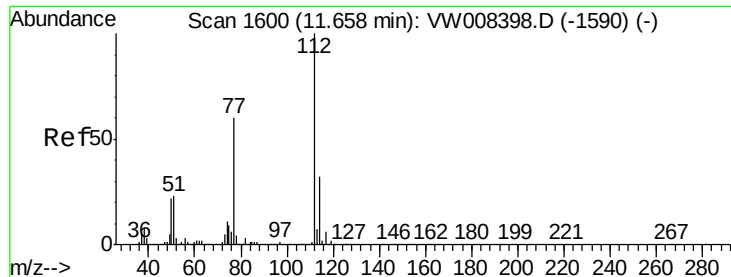
MMDadoda
2/5/2019 10:42:48 AM



#64
Tetrachloroethene
Concen: 53.607 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	124.7	101.4	152.0
129	90.1	71.0	106.6
131	87.8	68.3	102.5





#65

Chlorobenzene

Concen: 53.404 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 577270

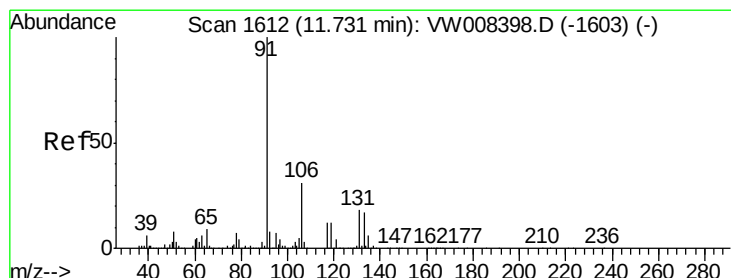
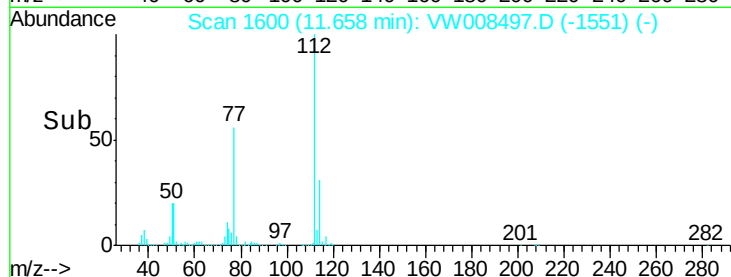
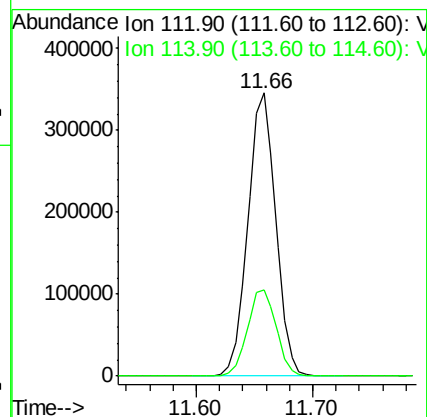
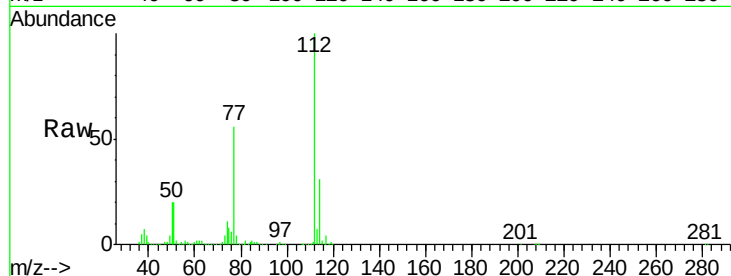
Ion Ratio Lower Upper

112 100

114 30.7 25.4 38.2

Manual Integrations
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MMDadoda
2/5/2019 10:42:48 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 53.147 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

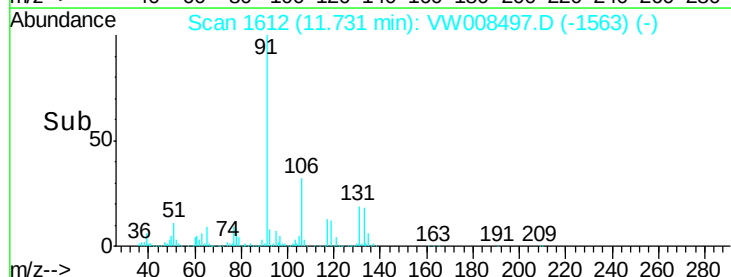
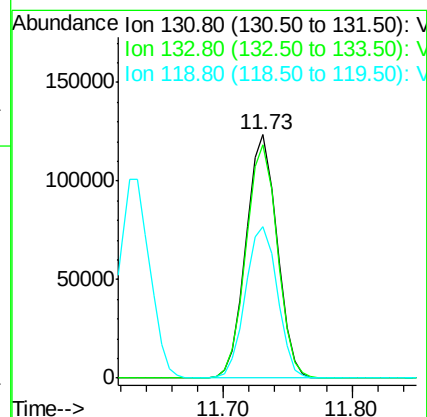
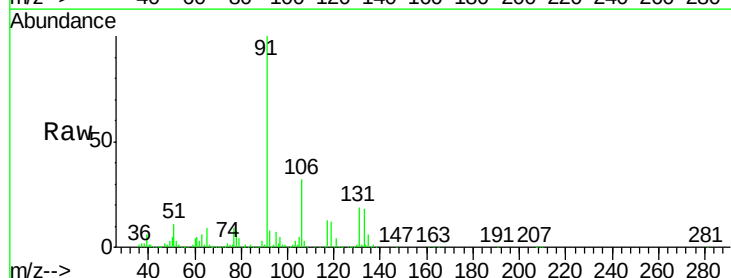
Tgt Ion:131 Resp: 205543

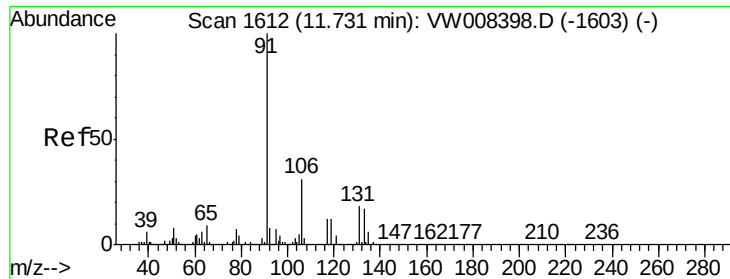
Ion Ratio Lower Upper

131 100

133 96.6 47.0 141.2

119 64.1 32.1 96.3





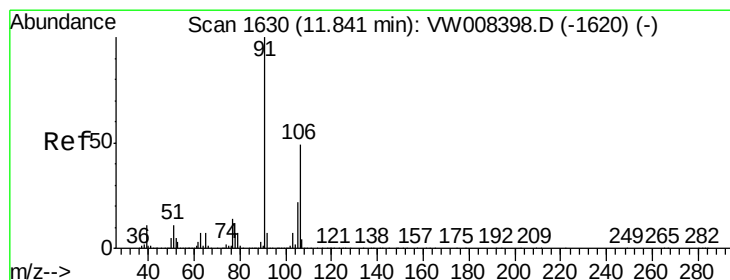
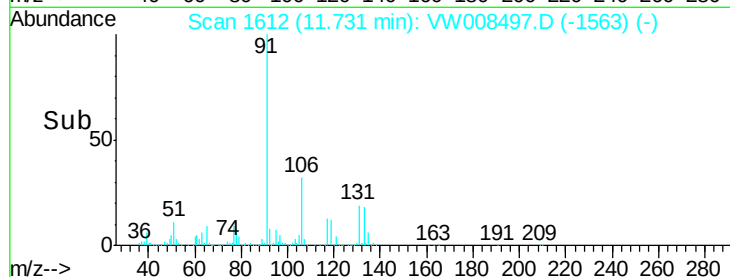
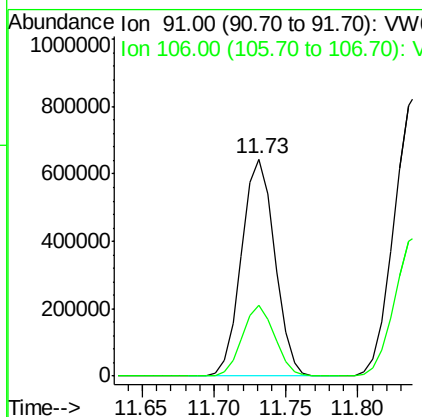
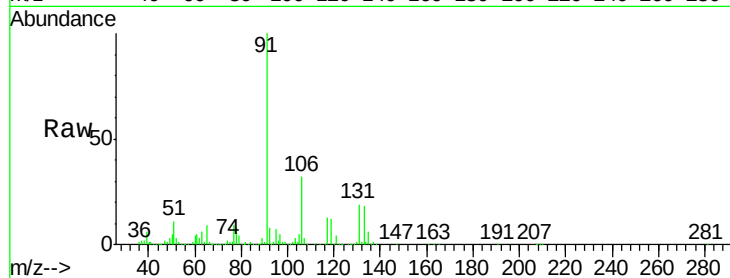
#67
Ethyl Benzene
Concen: 51.995 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1033126
Ion Ratio Lower Upper
91 100
106 32.4 24.7 37.1

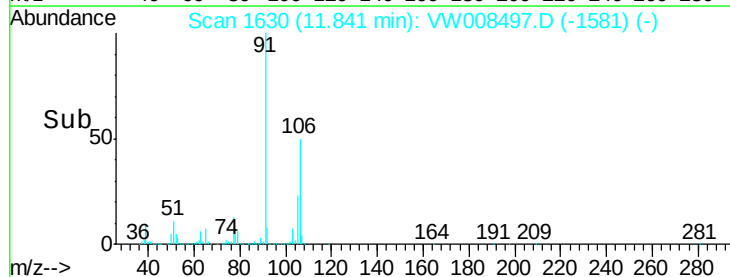
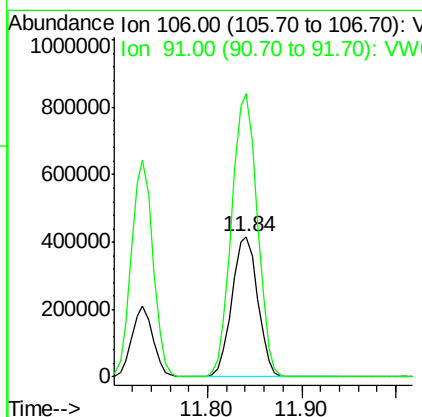
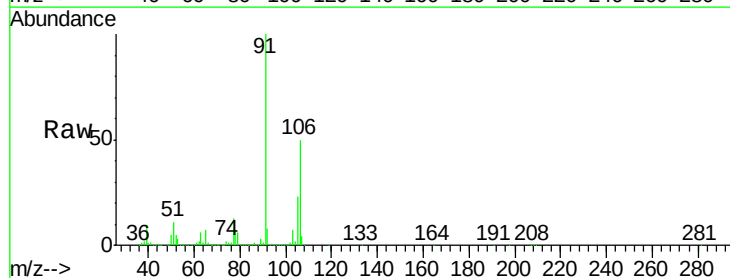
Manual Integrations
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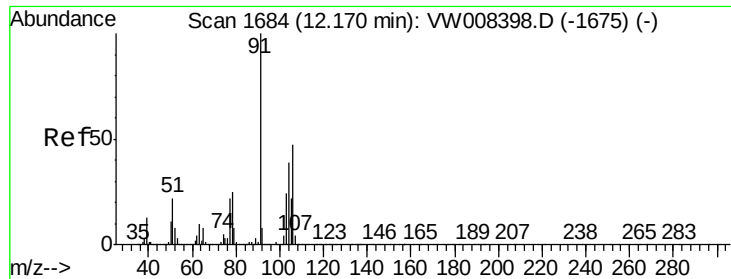
MMDadoda
2/5/2019 10:42:48 AM



#68
m/p-Xylenes
Concen: 103.056 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion: 106 Resp: 794491
Ion Ratio Lower Upper
106 100
91 200.5 162.9 244.3





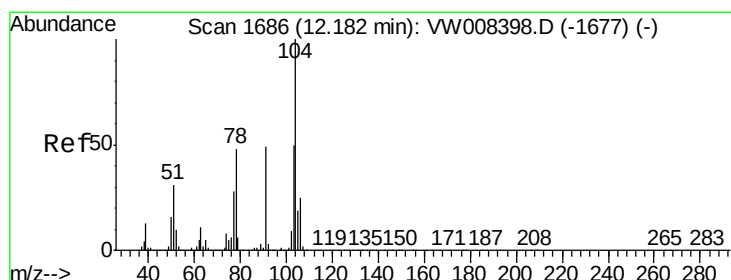
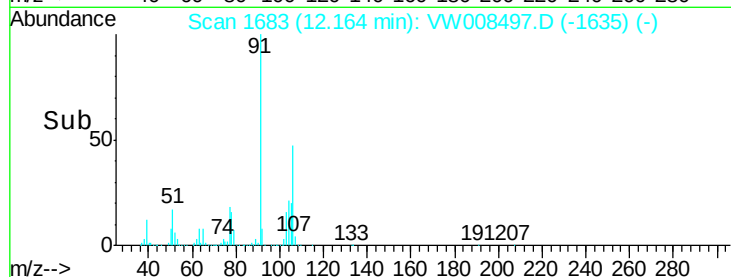
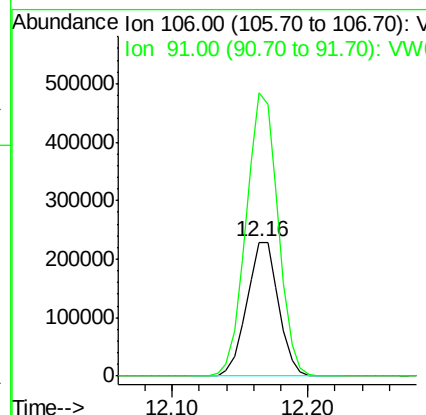
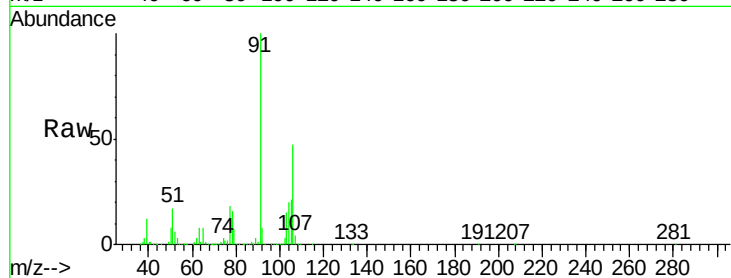
#69
o-Xylene
Concen: 51.073 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.9	107.5	322.4

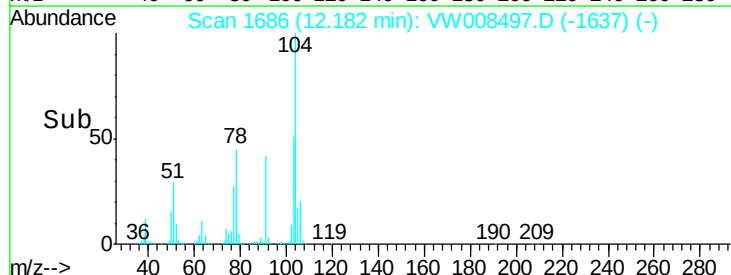
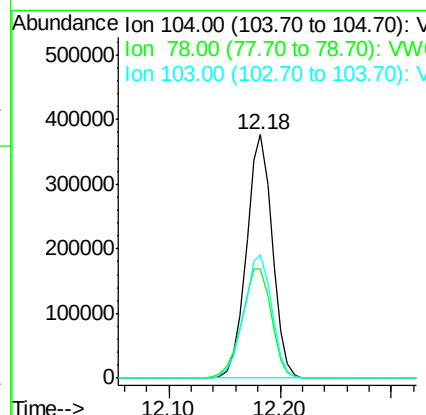
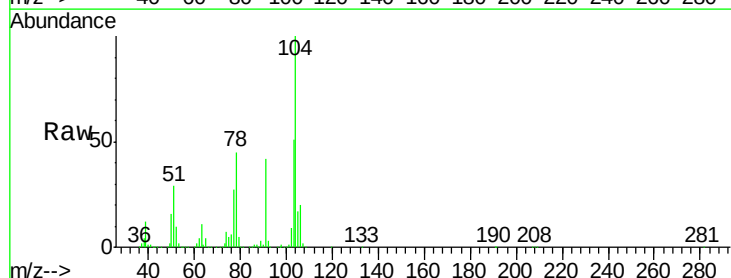
Manual Integrations
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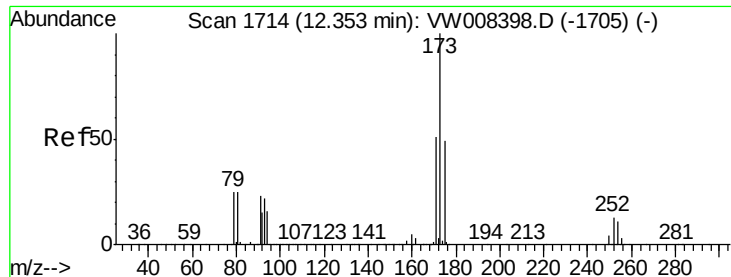
MMDadoda
2/5/2019 10:42:48 AM



#70
Styrene
Concen: 49.973 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.2	42.4	63.6
103	54.9	43.4	65.0





#71

Bromoform

Concen: 52.360 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

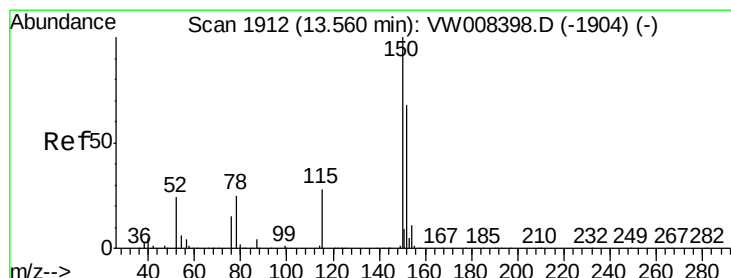
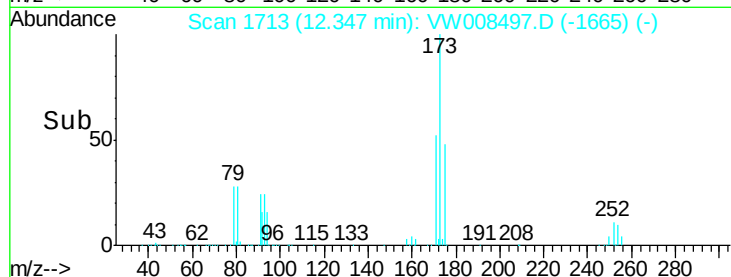
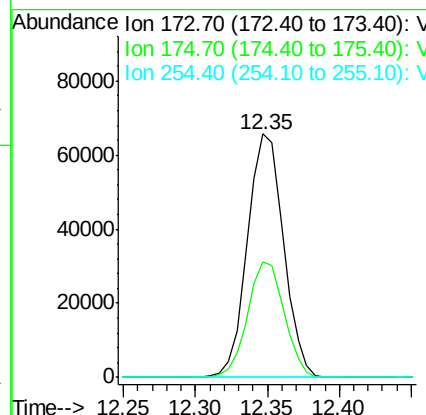
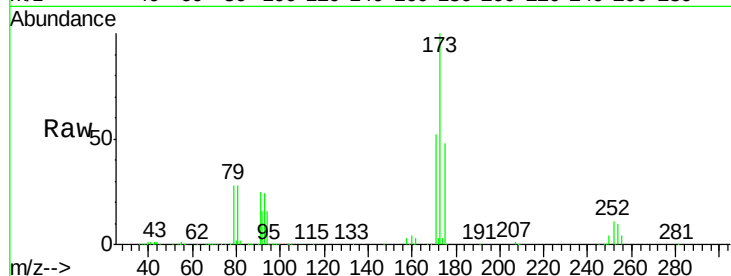
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.4
254	0.1	0.2	0.2

Manual Integrations
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2/5/2019 10:42:48 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

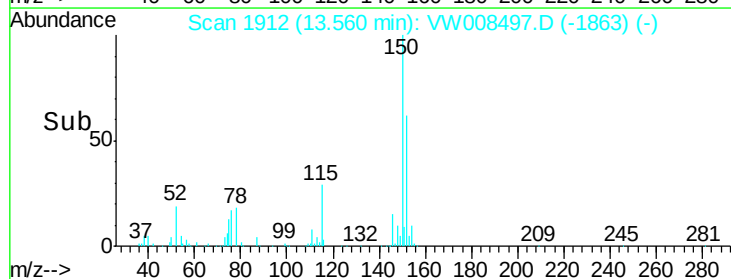
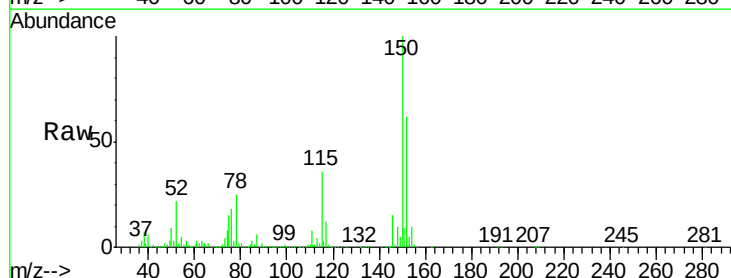
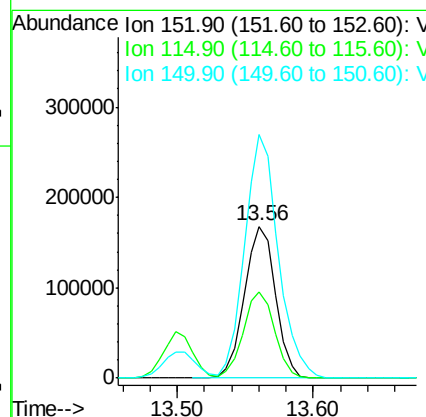
RT: 13.56 min Scan# 1912

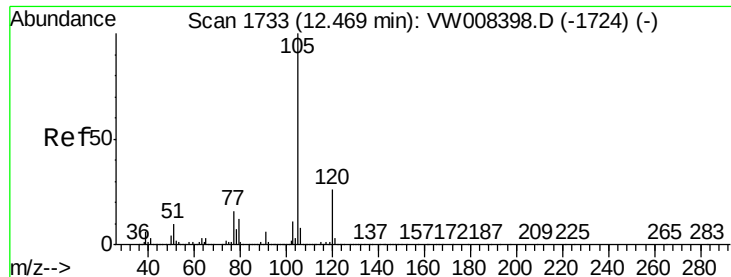
Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	29.9	89.7
150	173.2	0.0	351.4





#73

Isopropylbenzene

Concen: 52.925 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 1055981

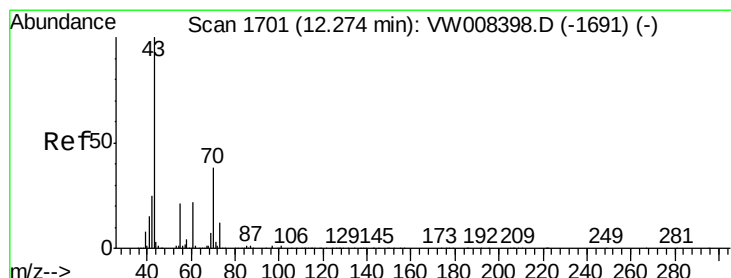
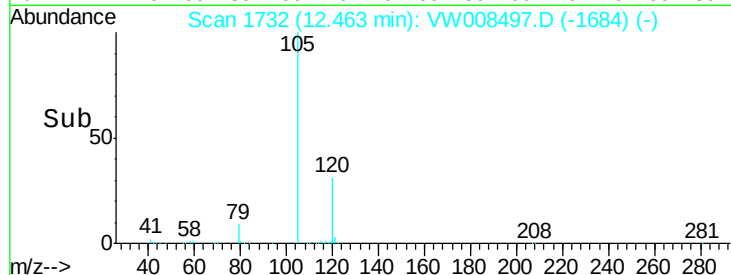
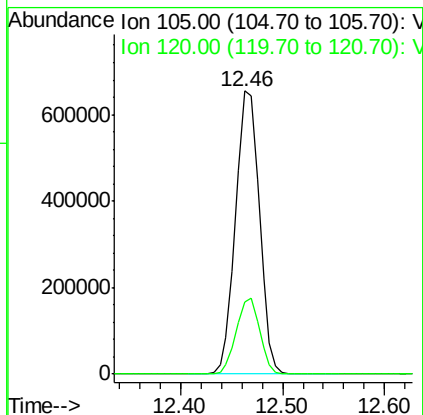
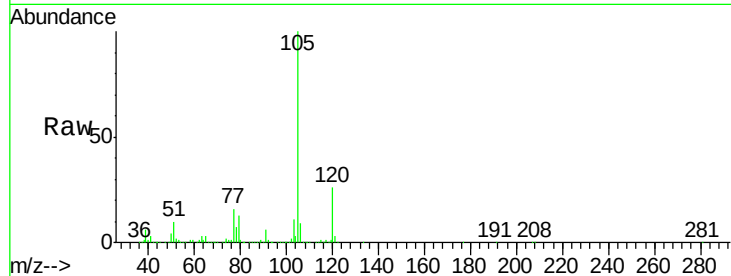
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 46.589 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tgt Ion: 43 Resp: 239470

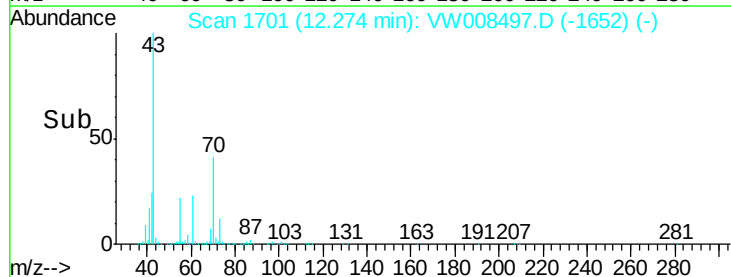
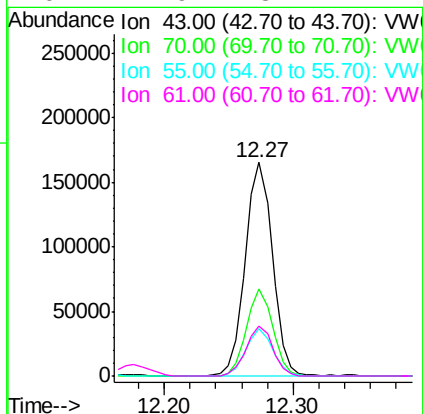
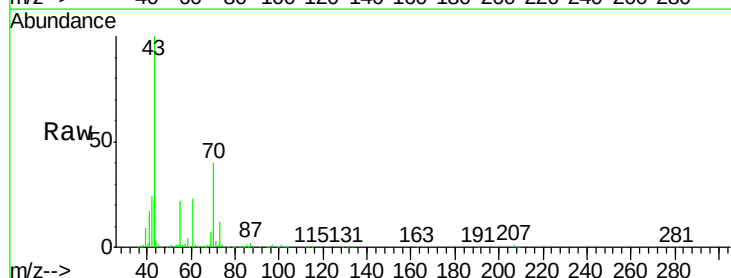
Ion Ratio Lower Upper

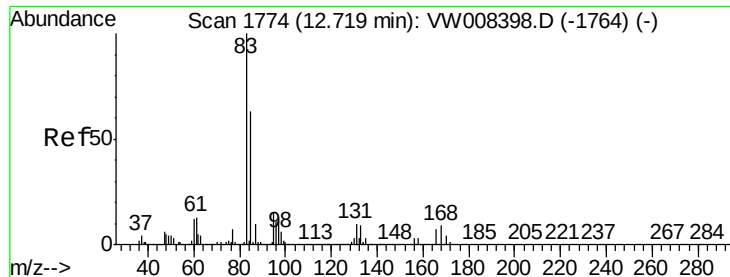
43 100

70 40.0 31.0 46.6

55 22.2 17.4 26.2

61 22.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.550 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

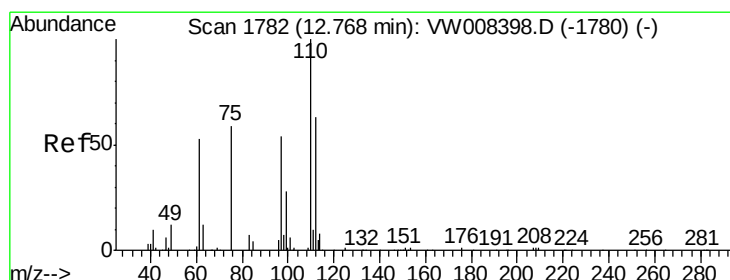
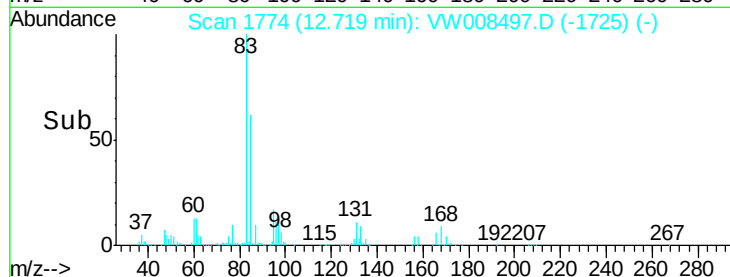
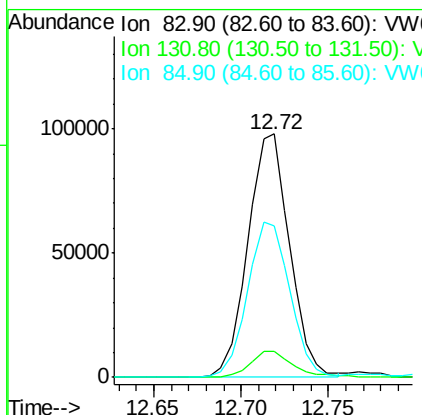
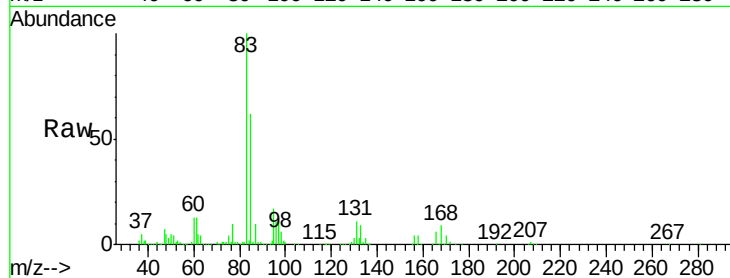
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	162840
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.6	31.9	95.5

Manual Integrations
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2/5/2019 10:42:48 AM



#76

1,2,3-Trichloropropane

Concen: 49.437 ug/l m

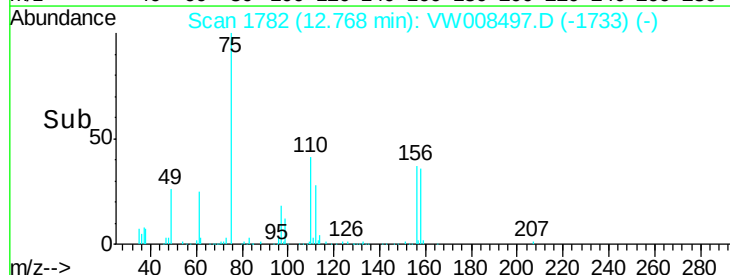
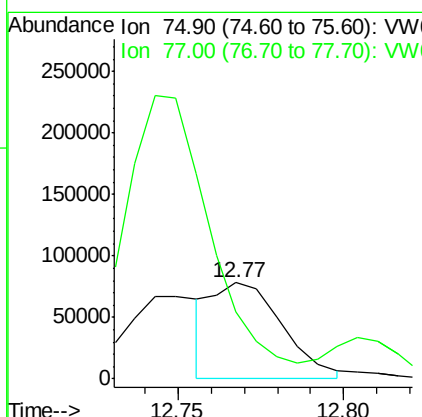
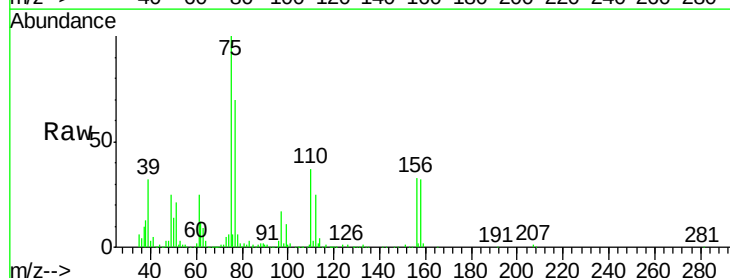
RT: 12.77 min Scan# 1782

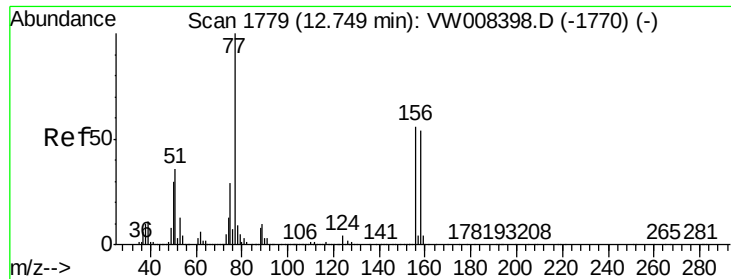
Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tgt Ion:	75	Resp:	115032
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





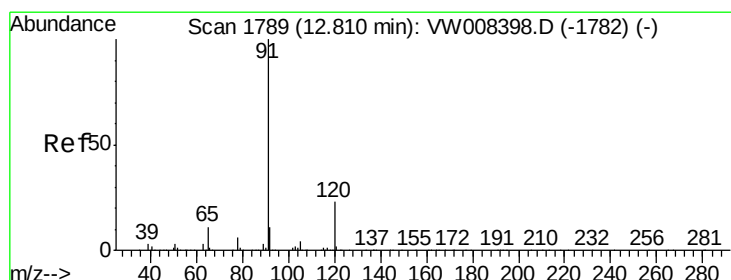
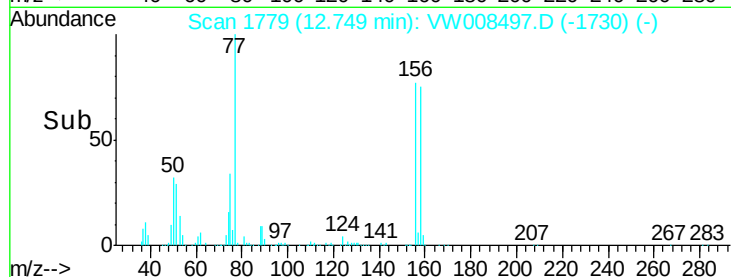
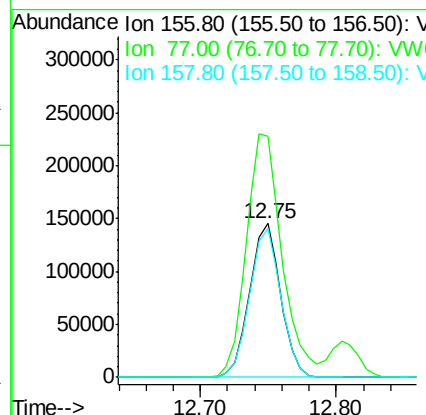
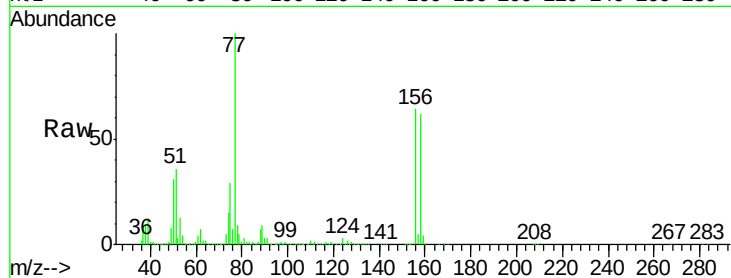
#77
Bromobenzene
Concen: 53.441 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.4	96.9	290.7
158	97.1	48.8	146.4

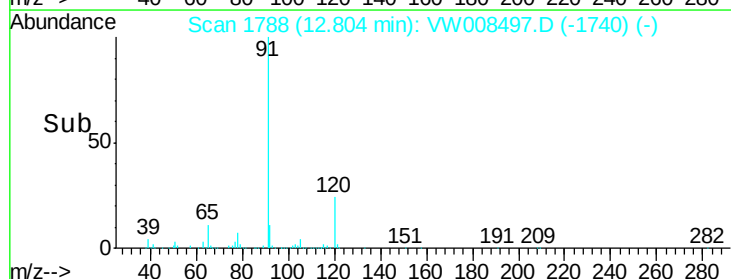
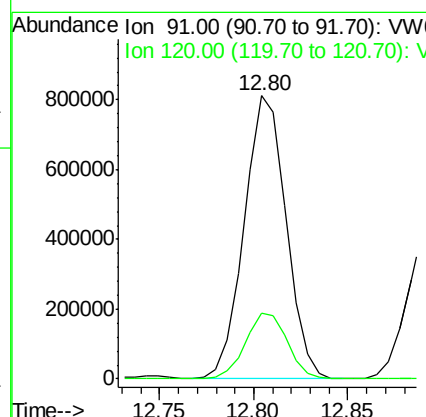
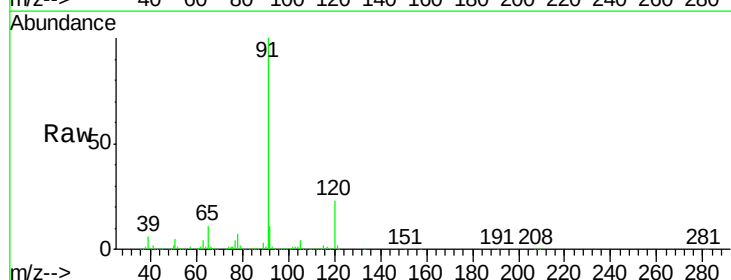
Manual Integrations
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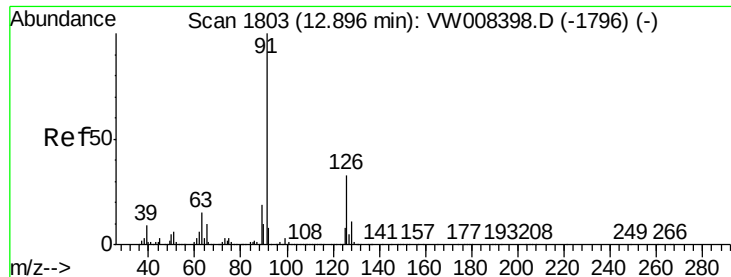
MMDadoda
2/5/2019 10:42:48 AM



#78
n-propylbenzene
Concen: 52.232 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.1





#79

2-Chlorotoluene

Concen: 51.379 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 694784

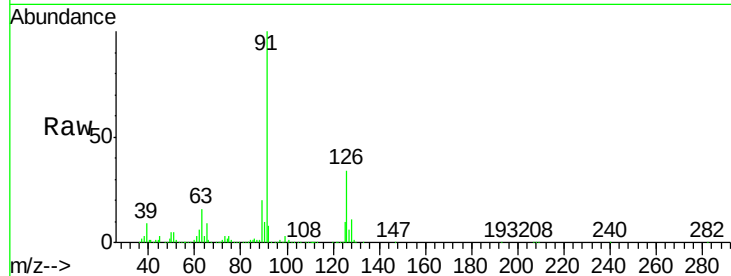
Ion Ratio Lower Upper

91 100

126 34.1 16.5 49.5

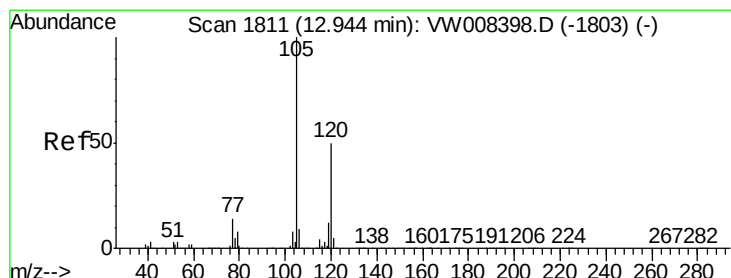
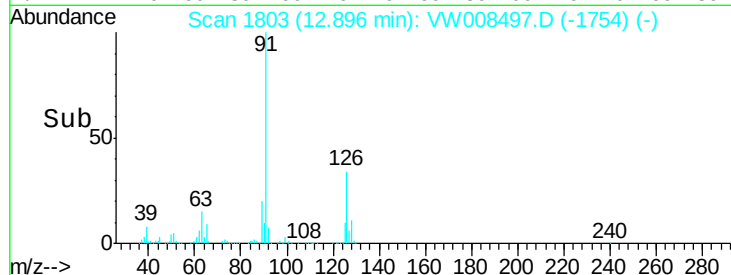
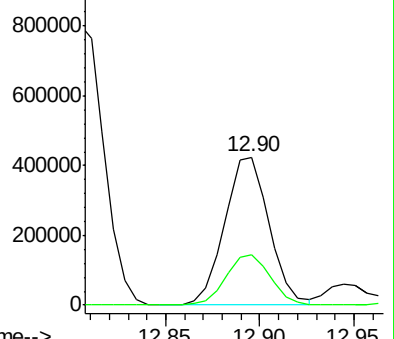
Manual Integrations
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2/5/2019 10:42:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.617 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008497.D

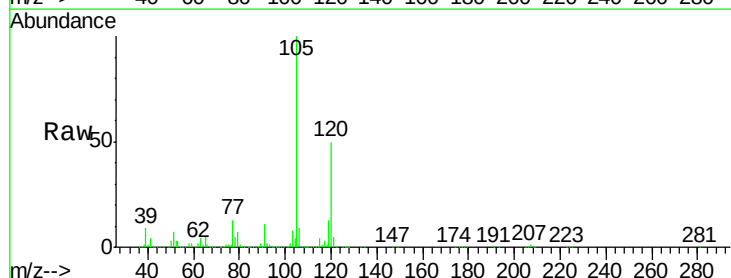
Acq: 04 Feb 2019 10:07

Tgt Ion: 105 Resp: 860810

Ion Ratio Lower Upper

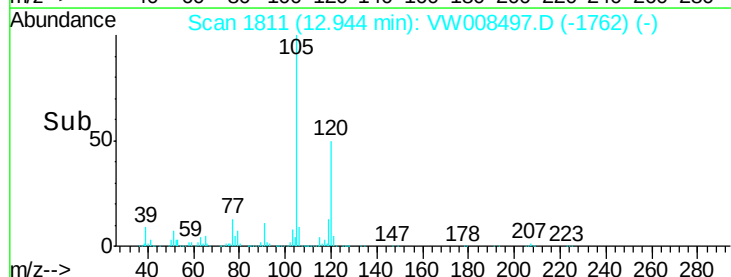
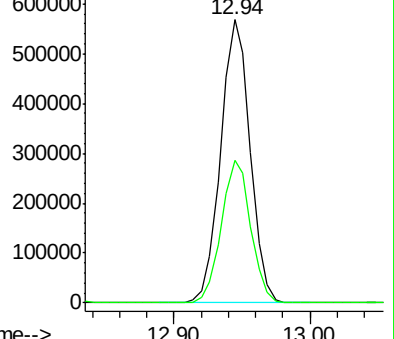
105 100

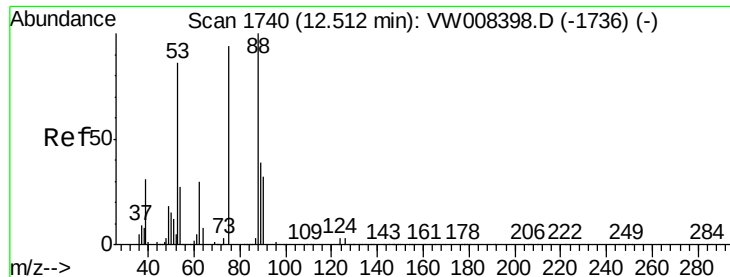
120 50.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





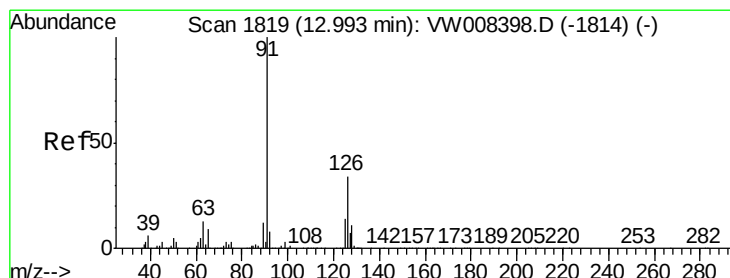
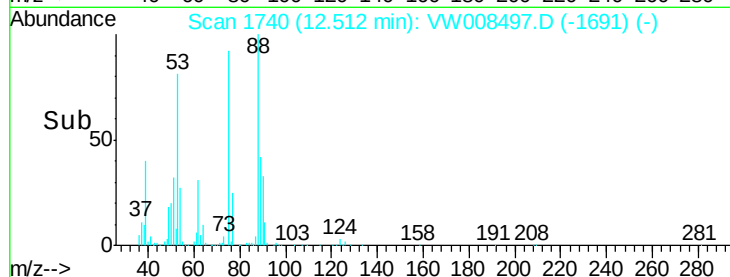
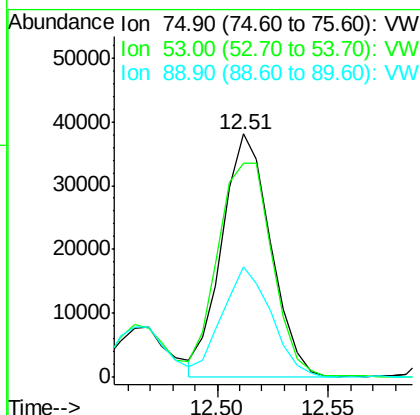
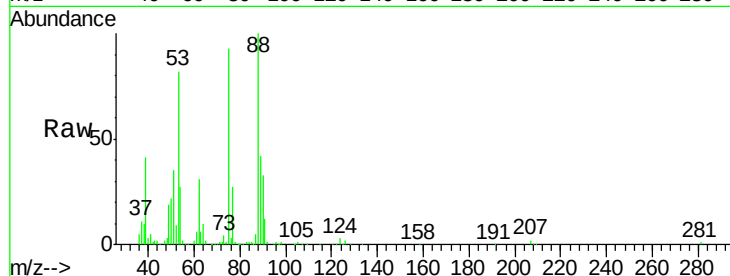
#81
trans-1,4-Dichloro-2-butene
Concen: 48.981 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.9	76.0	114.0
89	46.2	35.4	53.0

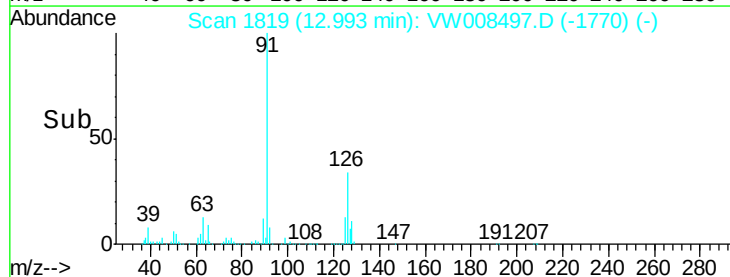
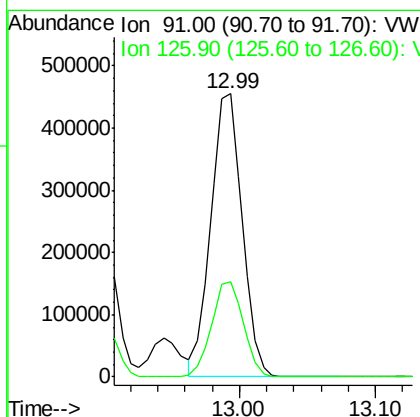
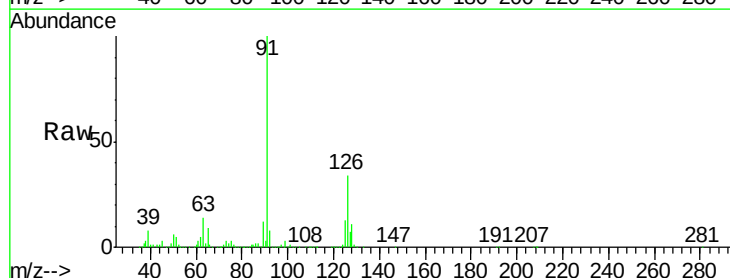
Manual Integrations
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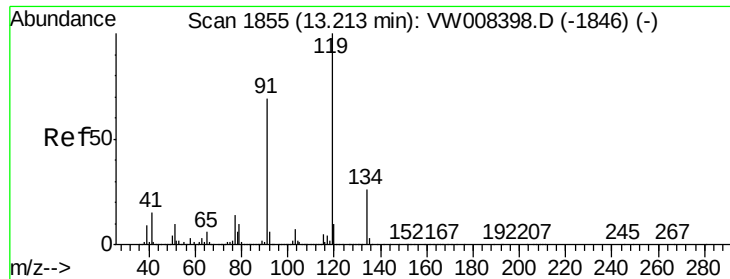
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.393 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.4	49.2





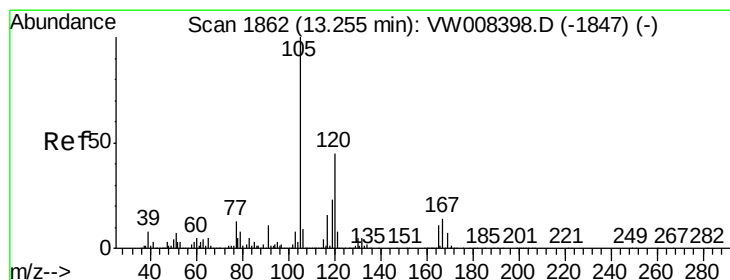
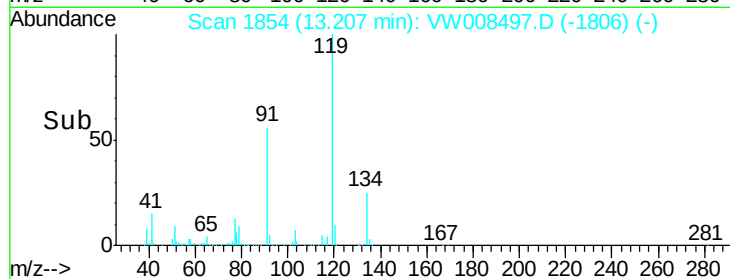
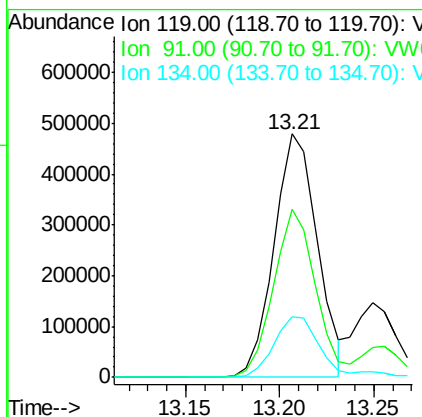
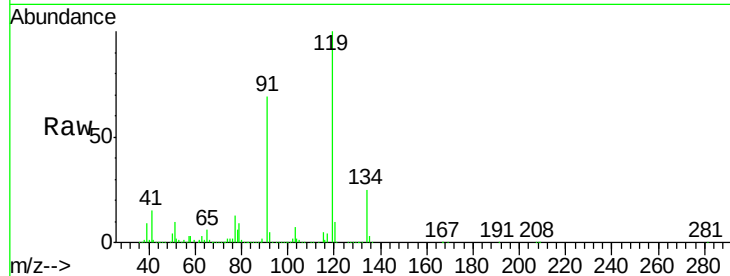
#83
 tert-Butylbenzene
 Concen: 51.449 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	33.8	101.4
134	27.5	13.5	40.4

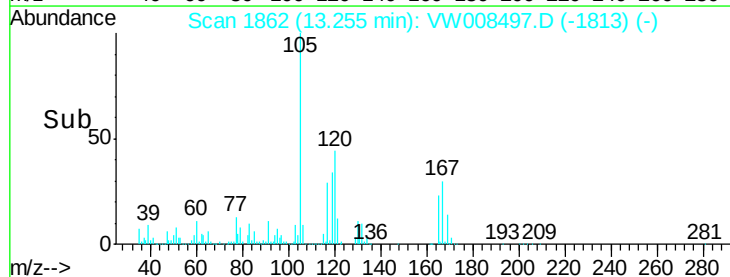
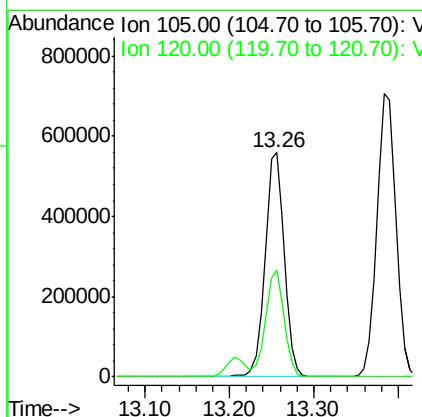
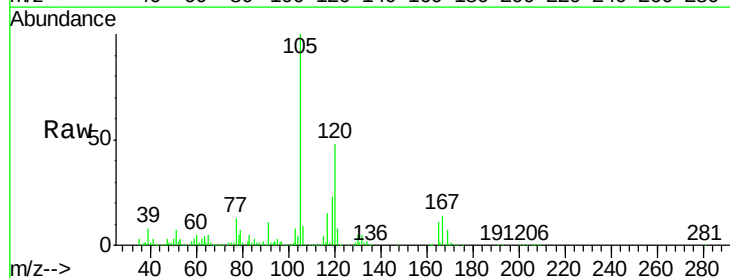
Manual Integrations
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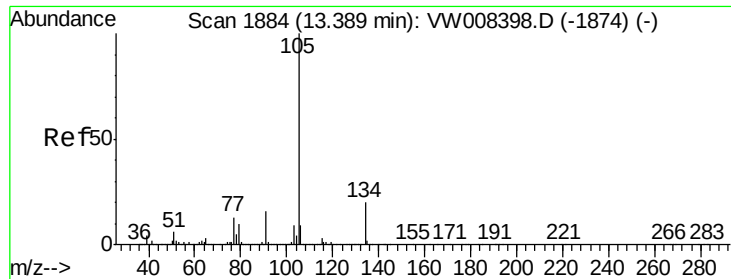
MMDadoda
 2/5/2019 10:42:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.656 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2





#85

sec-Butylbenzene

Concen: 52.375 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1110042

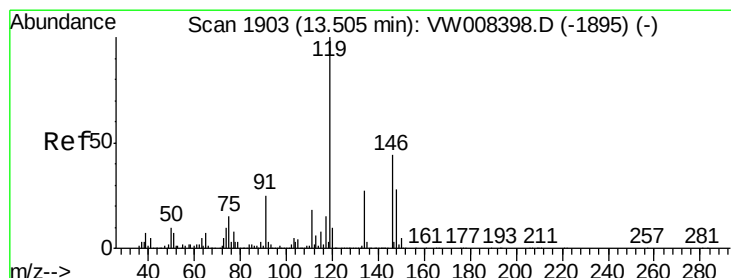
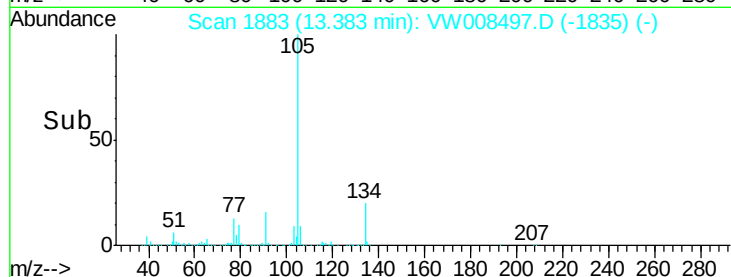
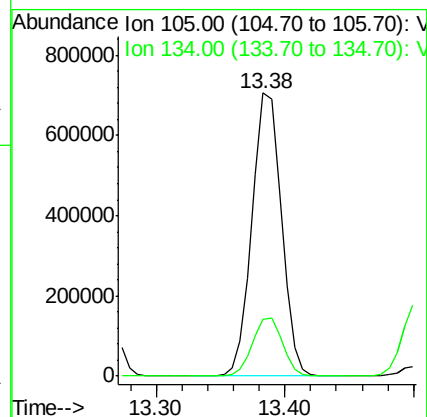
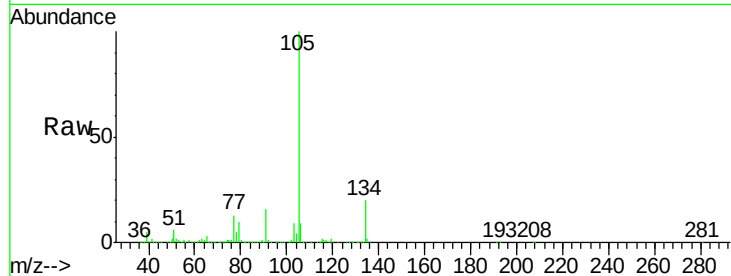
Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6

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2/5/2019 10:42:48 AM



#86

p-Isopropyltoluene

Concen: 53.504 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

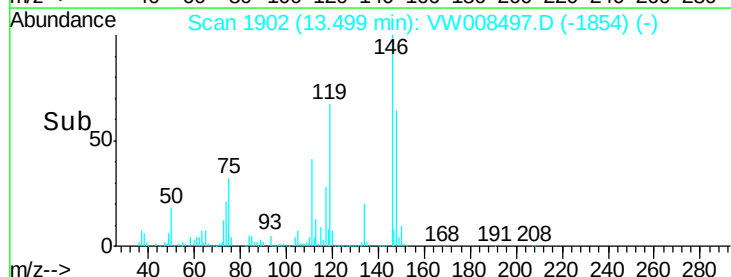
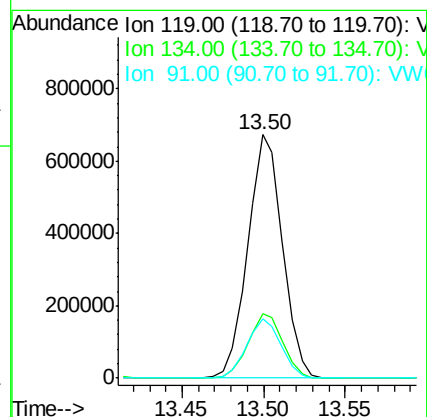
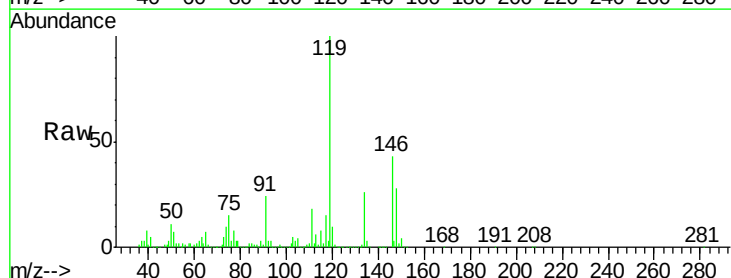
Tgt Ion:119 Resp: 993298

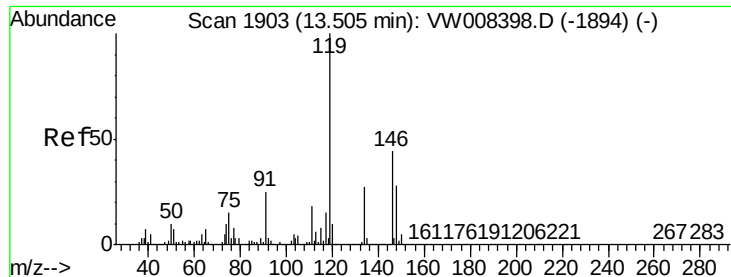
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 24.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 53.082 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008497.D

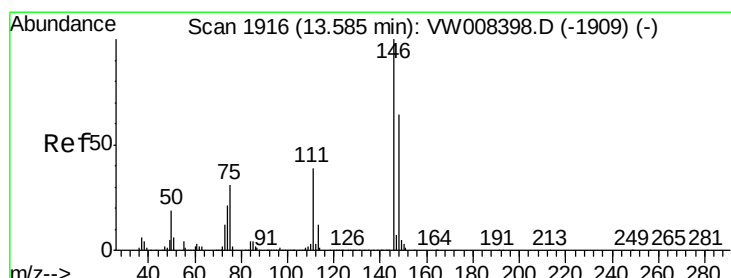
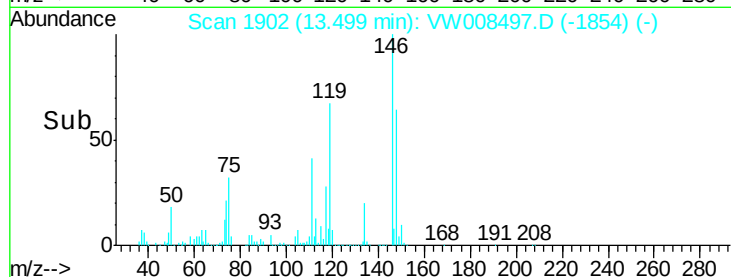
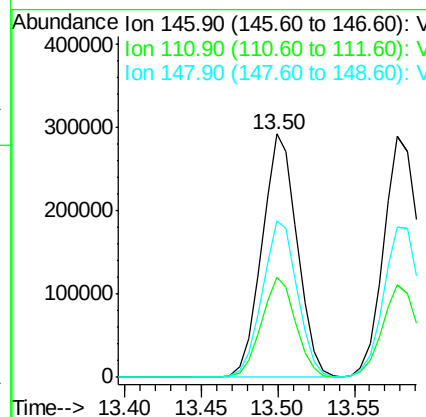
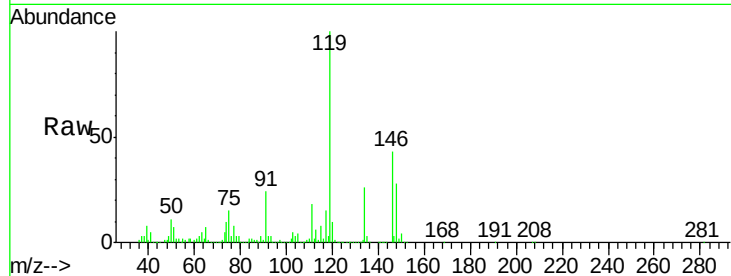
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.9	20.3	60.9
148	64.2	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.684 ug/l

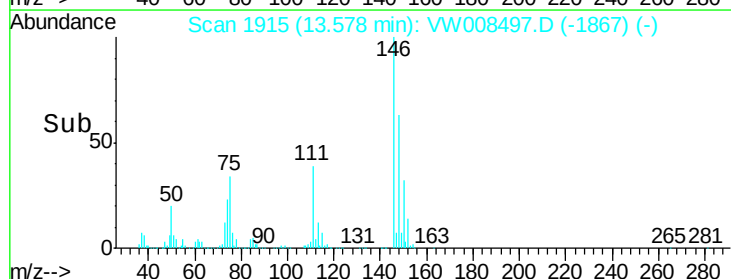
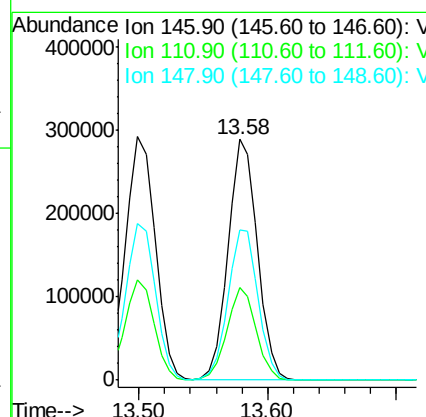
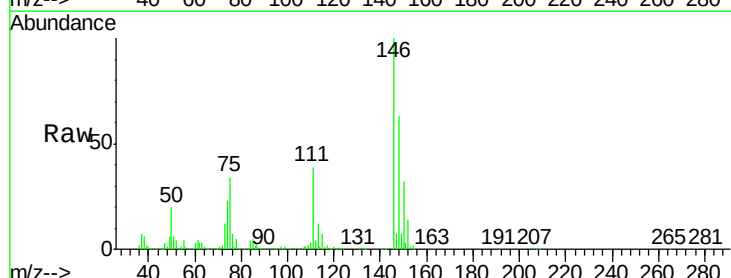
RT: 13.58 min Scan# 1915

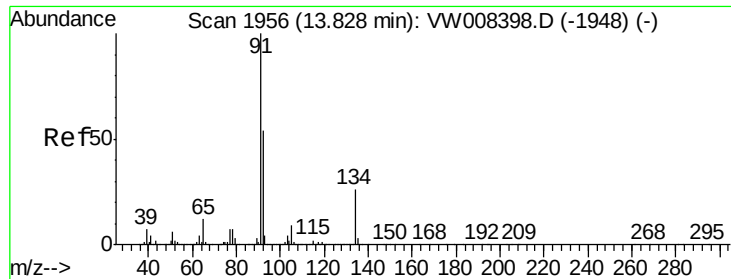
Delta R.T. -0.01 min

Lab File: VW008497.D

Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	38.3	20.0	60.0
148	64.2	32.0	96.2





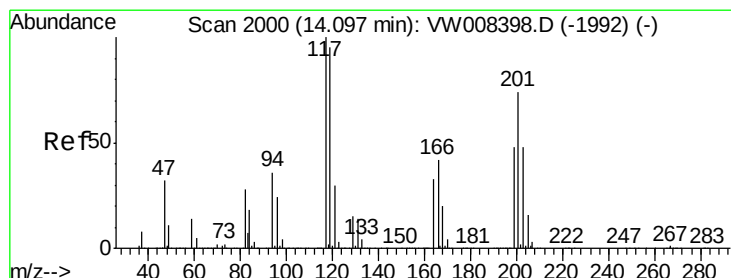
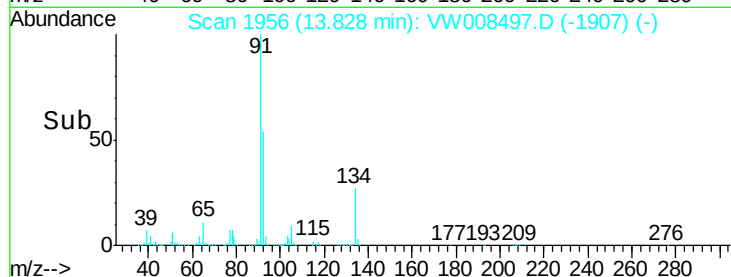
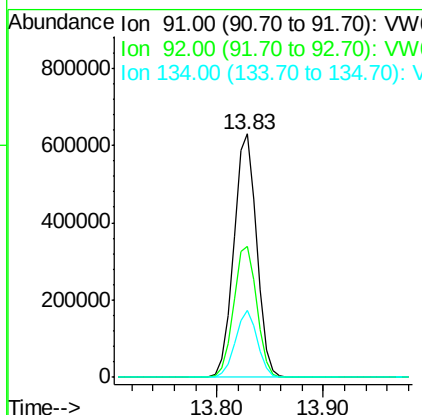
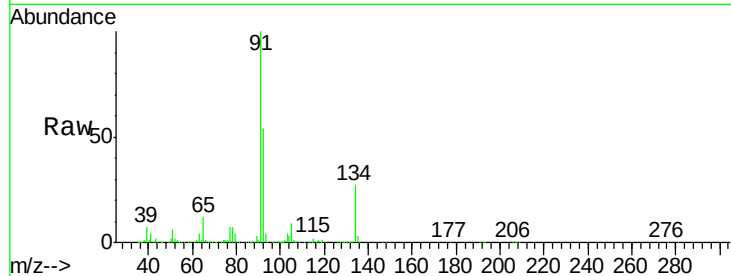
#89
n-Butylbenzene
Concen: 51.902 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.4	82.2
134	26.6	13.0	39.0

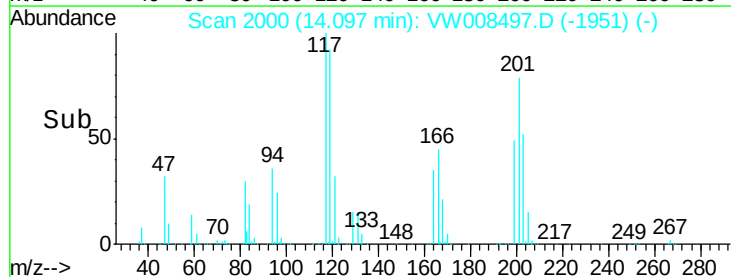
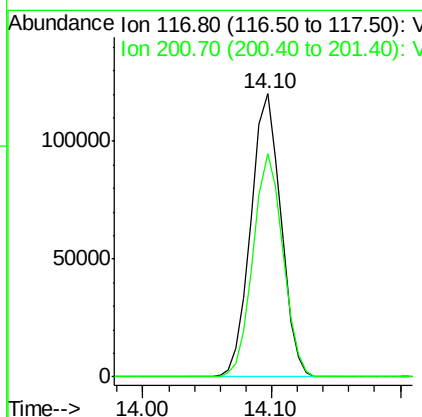
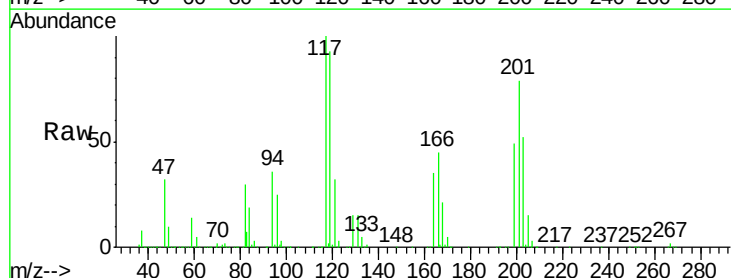
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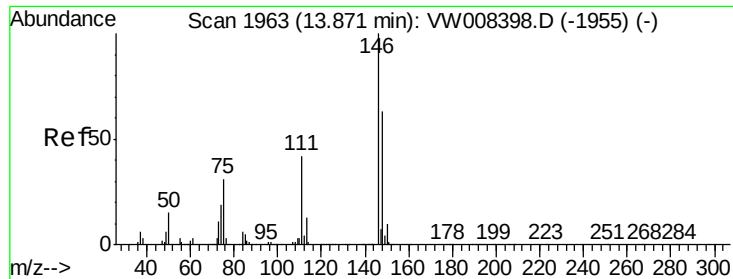
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#90
Hexachloroethane
Concen: 53.357 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	39.1	117.5





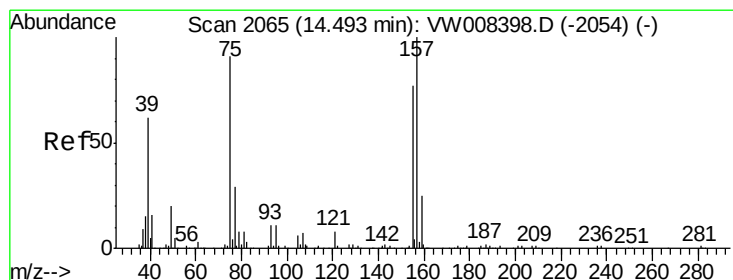
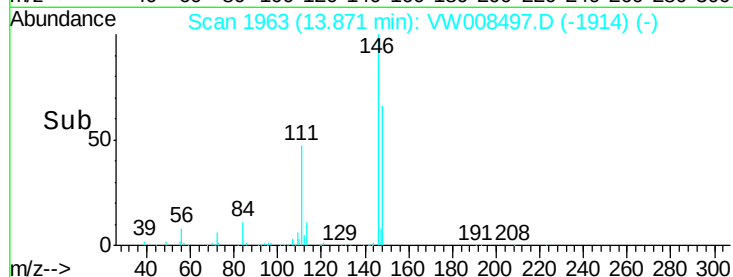
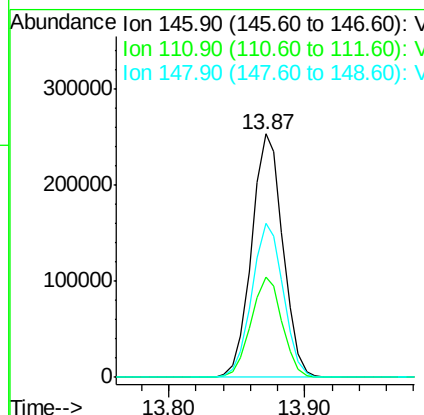
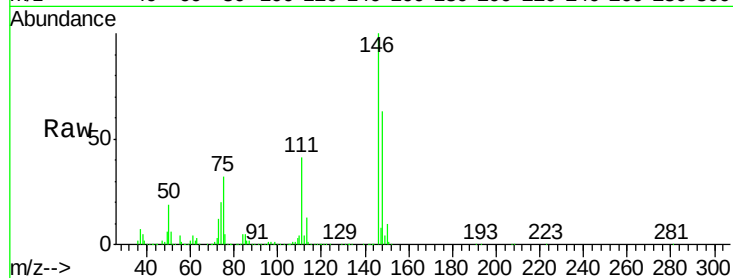
#91
 1,2-Dichlorobenzene
 Concen: 52.388 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.3
148	63.9	31.9	95.5

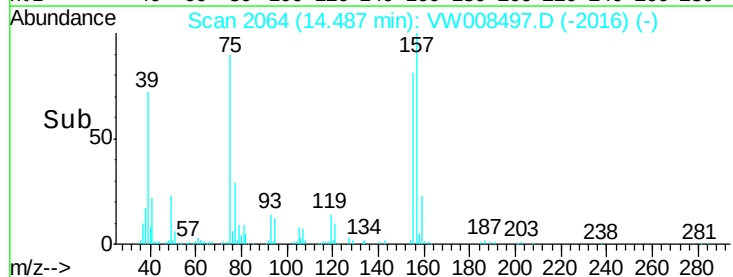
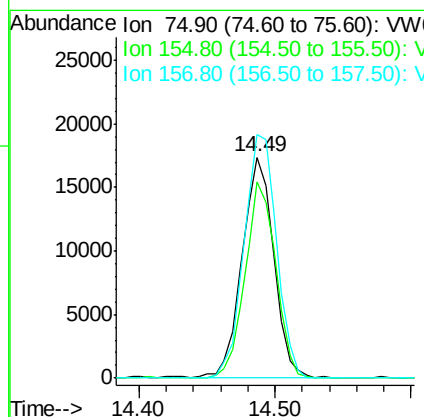
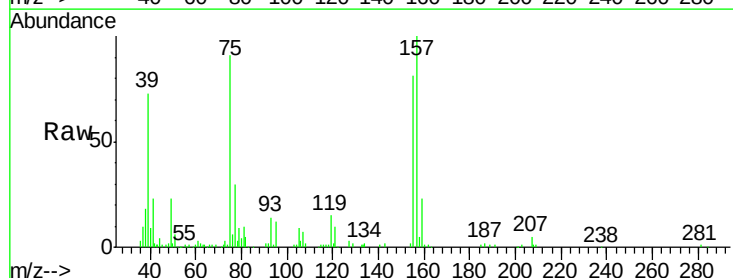
Manual Integrations
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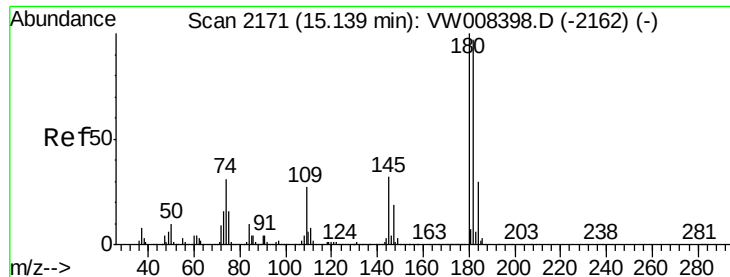
MMDadoda
 2/5/2019 10:42:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.321 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	42.7	128.1
157	113.4	55.5	166.3





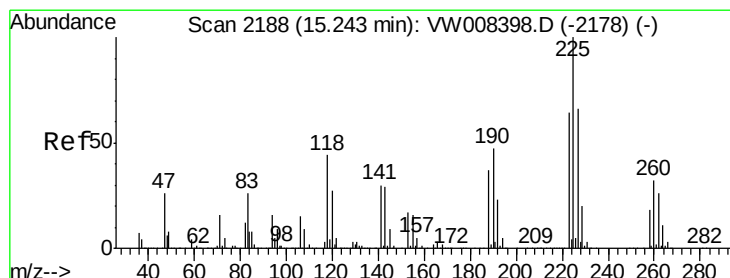
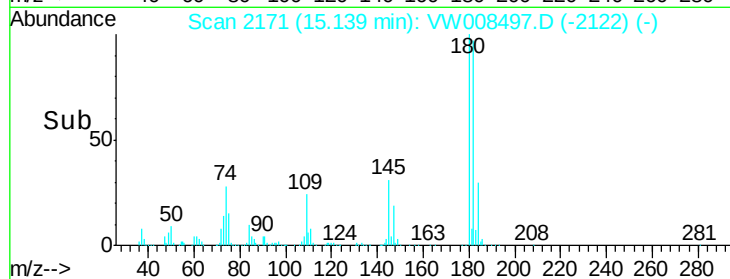
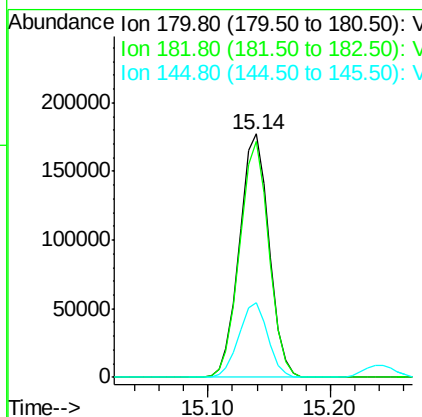
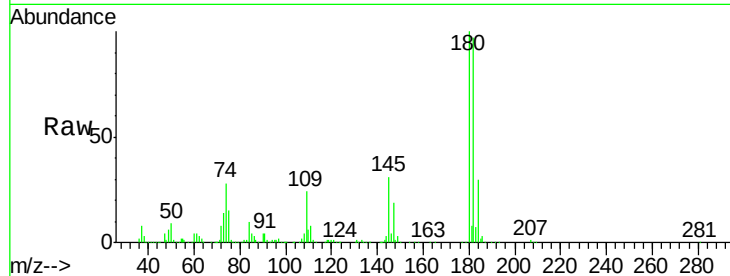
#93
 1,2,4-Trichlorobenzene
 Concen: 53.581 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	297726		
182	95.3	47.9	143.7	
145	30.2	15.5	46.5	

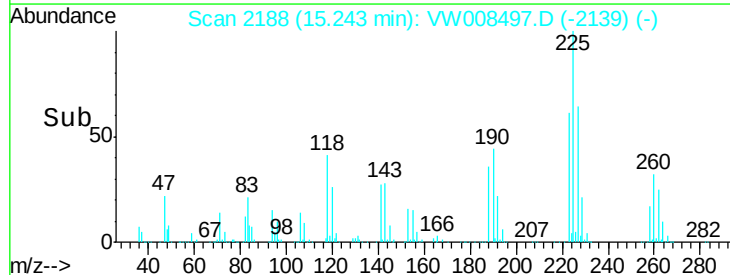
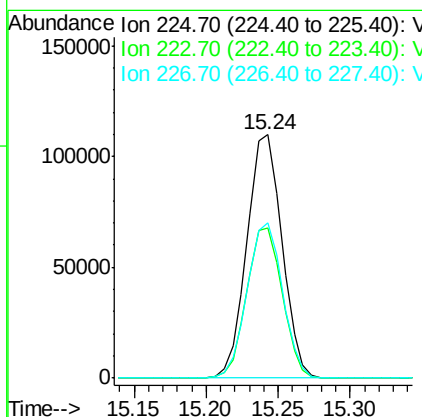
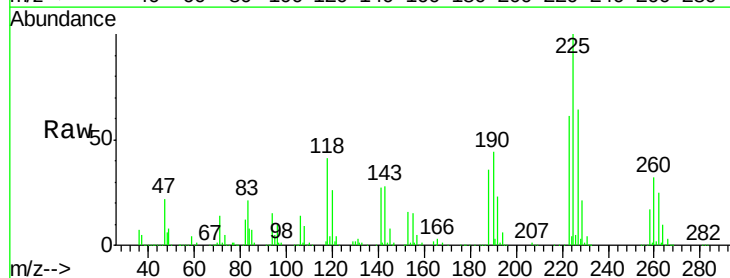
Manual Integrations
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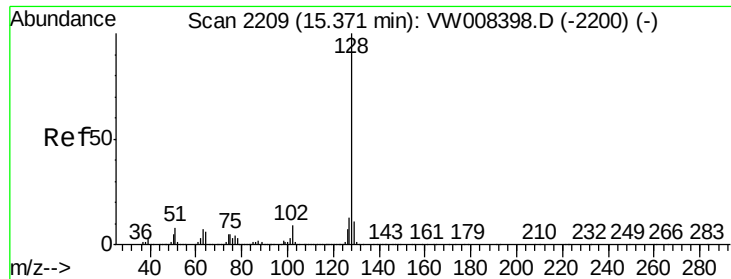
MMDadoda
 2/5/2019 10:42:48 AM



#94
 Hexachlorobutadiene
 Concen: 55.288 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008497.D
 Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185145		
223	62.4	31.7	95.1	
227	64.5	32.1	96.3	





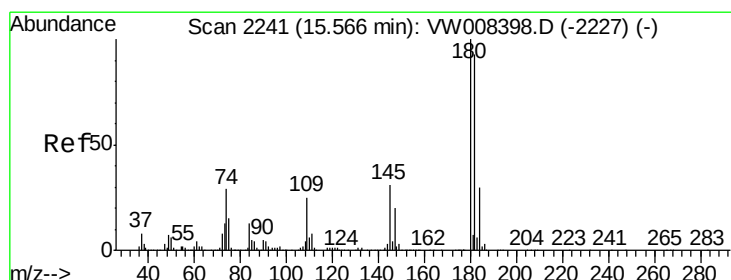
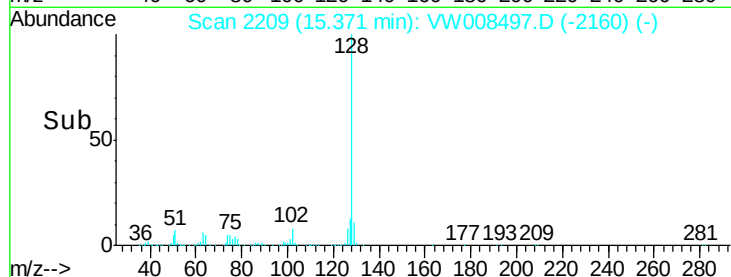
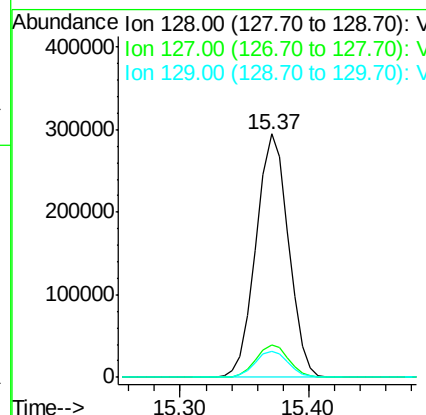
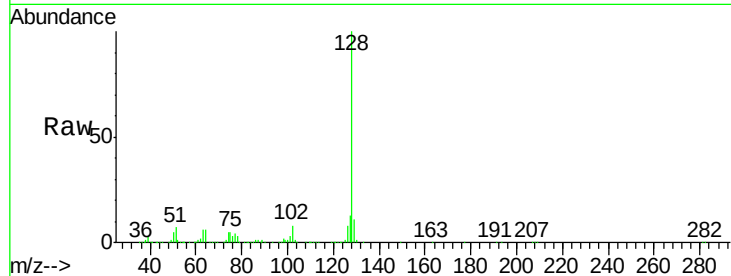
#95
Naphthalene
Concen: 52.451 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:42:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.148 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008497.D
Acq: 04 Feb 2019 10:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.0	141.2
145	32.1	15.9	47.6

