

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008545.D
 Acq On : 07 Feb 2019 11:56
 Operator : SY/VA
 Sample : VW0207SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:38:27 PM

Quant Time: Feb 08 22:46:47 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	544038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	811275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	712912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	368273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	246928	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
35) Dibromofluoromethane	7.88	113	248846	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.32	98	947633	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.62	95	344471	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	46335	17.032	ug/l	97
3) Chloromethane	2.21	50	69234	15.590	ug/l	94
4) Vinyl Chloride	2.36	62	95110	16.824	ug/l	92
5) Bromomethane	2.78	94	78641	21.568	ug/l	94
6) Chloroethane	2.92	64	74388	21.516	ug/l	100
7) Trichlorofluoromethane	3.25	101	74599	18.463	ug/l	95
8) Diethyl Ether	3.67	74	48371	17.829	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	93120	18.925	ug/l	99
10) Methyl Iodide	4.26	142	146499	18.849	ug/l	99
11) Tert butyl alcohol	5.17	59	34756	80.770	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	91686	18.412	ug/l	95
13) Acrolein	3.89	56	30992	84.451	ug/l	95
14) Allyl chloride	4.66	41	153252	16.207	ug/l	98
15) Acrylonitrile	5.36	53	96305	82.204	ug/l	98
16) Acetone	4.11	43	96139	80.101	ug/l	98
17) Carbon Disulfide	4.37	76	268584	16.888	ug/l	99
18) Methyl Acetate	4.66	43	51736	16.161	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	143732	17.445	ug/l	97
20) Methylene Chloride	4.90	84	120766	21.831	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	102021	18.223	ug/l	92
22) Diisopropyl ether	6.31	45	289850	16.174	ug/l	96
23) Vinyl Acetate	6.25	43	839008	79.286	ug/l	98
24) 1,1-Dichloroethane	6.21	63	175750	17.325	ug/l	99
25) 2-Butanone	7.17	43	135003	80.981	ug/l	93
26) 2,2-Dichloropropane	7.16	77	123983	18.082	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	110436	18.100	ug/l	96
28) Bromochloromethane	7.50	49	83349	17.889	ug/l	94
29) Tetrahydrofuran	7.53	42	84028	79.539	ug/l	94
30) Chloroform	7.67	83	179169	17.957	ug/l	98
31) Cyclohexane	7.95	56	177693	16.941	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	159367	18.492	ug/l	99
36) 1,1-Dichloropropene	8.07	75	147146	19.201	ug/l	99
37) Ethyl Acetate	7.25	43	58640	17.295	ug/l #	95
38) Carbon Tetrachloride	8.06	117	152824	19.817	ug/l	98

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 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)
39) Methylcyclohexane	9.33	83	187127	18.588	ug/l	99
40) Benzene	8.32	78	395056	18.578	ug/l	99
41) Methacrylonitrile	7.48	41	36384	18.123	ug/l	97
42) 1,2-Dichloroethane	8.40	62	111503	18.094	ug/l	98
43) Isopropyl Acetate	8.43	43	118910	16.881	ug/l	96
44) Trichloroethene	9.09	130	113680	19.659	ug/l	97
45) 1,2-Dichloropropane	9.37	63	97532	18.395	ug/l	97
46) Dibromomethane	9.46	93	50278	18.436	ug/l	97
47) Bromodichloromethane	9.64	83	130607	18.107	ug/l	100
48) Methyl methacrylate	9.43	41	55025	15.976	ug/l	98
49) 1,4-Dioxane	9.44	88	16543	358.879	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	290820	83.572	ug/l	99
52) Toluene	10.38	92	253935	18.090	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	131187	17.092	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	152535	17.512	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	70384	18.607	ug/l	92
56) Ethyl methacrylate	10.65	69	85341	16.101	ug/l	98
57) 1,3-Dichloropropane	10.93	76	122269	18.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	231856	90.032	ug/l	96
59) 2-Hexanone	10.97	43	203263	82.740	ug/l	99
60) Dibromochloromethane	11.13	129	87659	18.033	ug/l	98
61) 1,2-Dibromoethane	11.24	107	69514	18.534	ug/l	98
64) Tetrachloroethene	10.86	164	97372	20.173	ug/l	97
65) Chlorobenzene	11.66	112	282392	19.404	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	98975	19.009	ug/l	98
67) Ethyl Benzene	11.73	91	506453	18.932	ug/l	99
68) m/p-Xylenes	11.84	106	392818	37.847	ug/l	97
69) o-Xylene	12.16	106	183142	18.571	ug/l	97
70) Styrene	12.18	104	291948	17.922	ug/l	98
71) Bromoform	12.35	173	49854	17.018	ug/l	100
73) Isopropylbenzene	12.46	105	514651	18.745	ug/l	100
74) N-amyl acetate	12.27	43	112924	15.966	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	78324	18.019	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	68683m	21.451	ug/l	
77) Bromobenzene	12.75	156	116602	19.447	ug/l	92
78) n-propylbenzene	12.80	91	613321	18.599	ug/l	98
79) 2-Chlorotoluene	12.90	91	338845	18.210	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	425590	18.546	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	25521	15.743	ug/l	97
82) 4-Chlorotoluene	12.99	91	354891	17.913	ug/l	97
83) tert-Butylbenzene	13.21	119	394663	19.326	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	432175	18.528	ug/l	100
85) sec-Butylbenzene	13.38	105	549625	18.846	ug/l	100
86) p-Isopropyltoluene	13.50	119	486121	19.029	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	233543	19.286	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	231243	19.215	ug/l	99
89) n-Butylbenzene	13.83	91	461821	18.412	ug/l	99
90) Hexachloroethane	14.10	117	91626	18.340	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	202215	18.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13477	16.341	ug/l	99

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QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	156184	20.427	ug/l	98
94) Hexachlorobutadiene	15.24	225	93961	20.391	ug/l	98
95) Naphthalene	15.37	128	253740	18.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	128692	19.841	ug/l	100

(#) = 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: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion:168 Resp: 544038

Ion Ratio Lower Upper

168 100

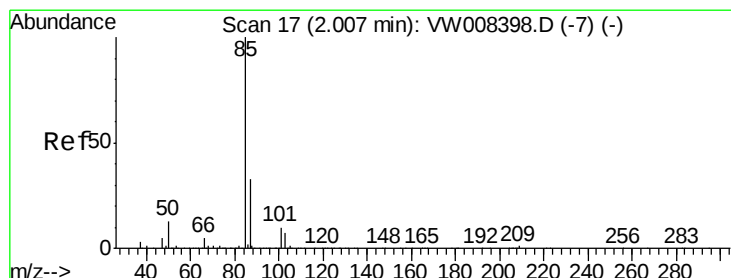
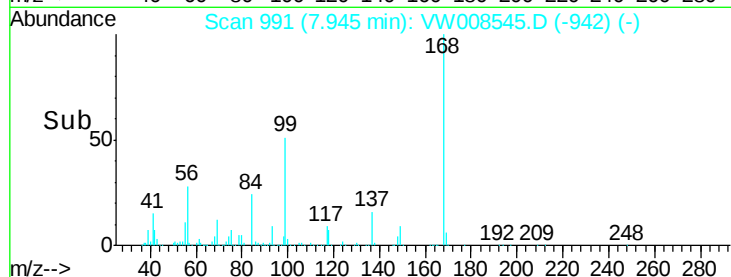
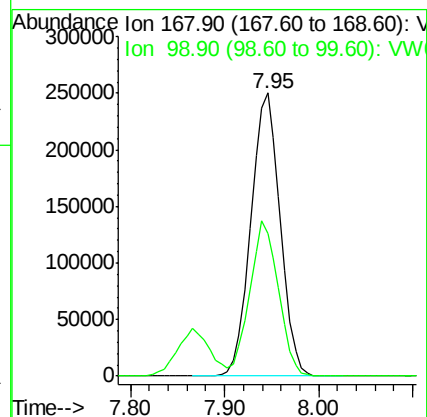
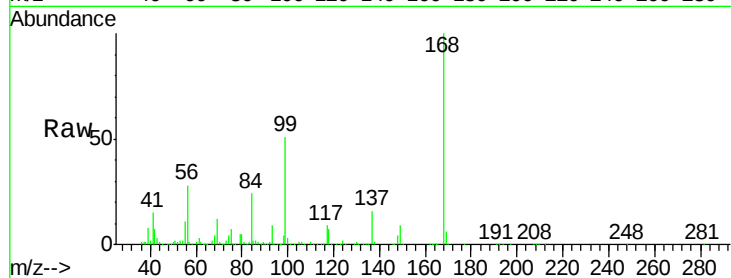
99 50.5 45.5 68.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.032 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008545.D

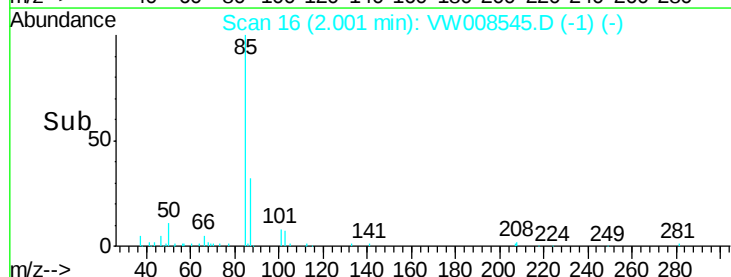
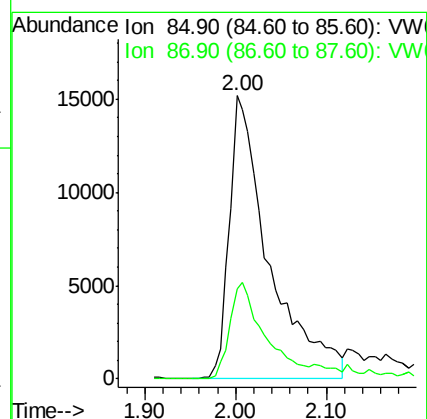
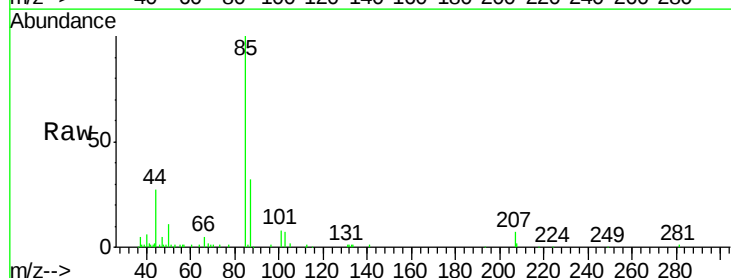
Acq: 07 Feb 2019 11:56

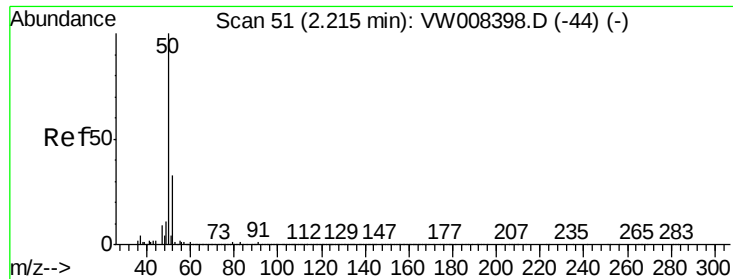
Tgt Ion: 85 Resp: 46335

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.1





#3

Chloromethane

Concen: 15.590 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion: 50 Resp: 69234

Ion Ratio Lower Upper

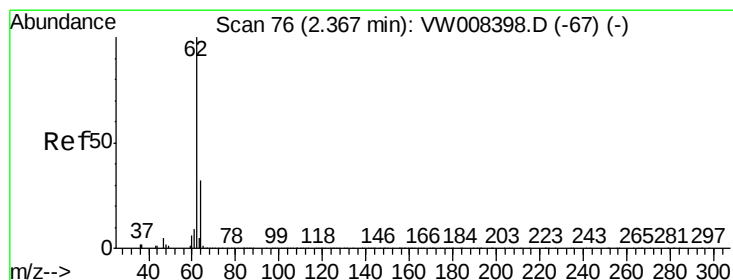
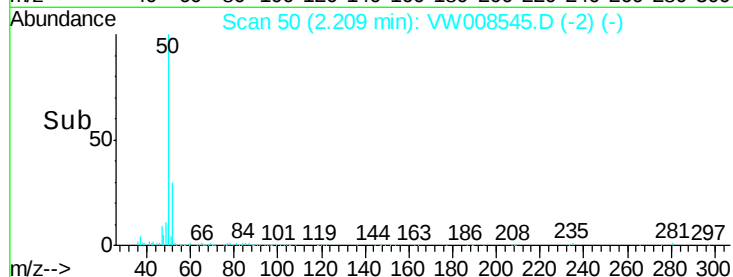
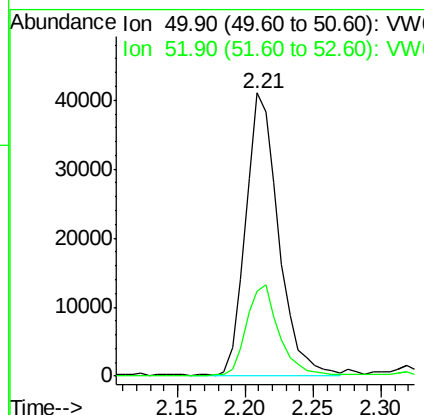
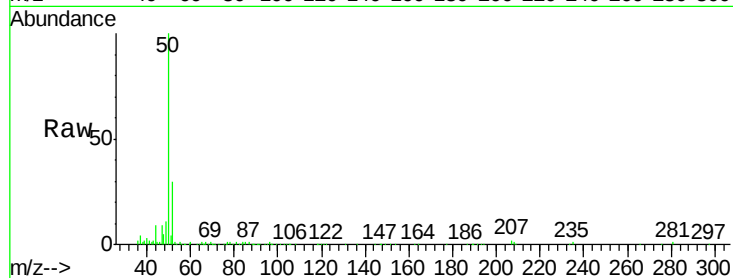
50 100

52 29.7 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.824 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008545.D

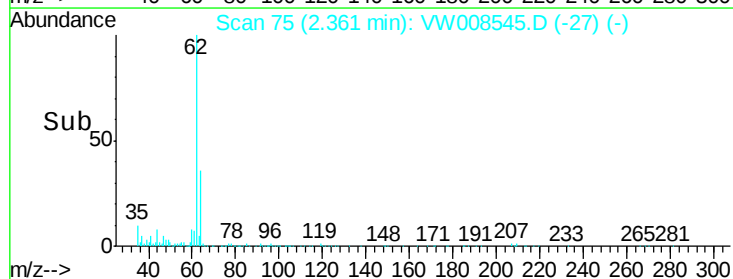
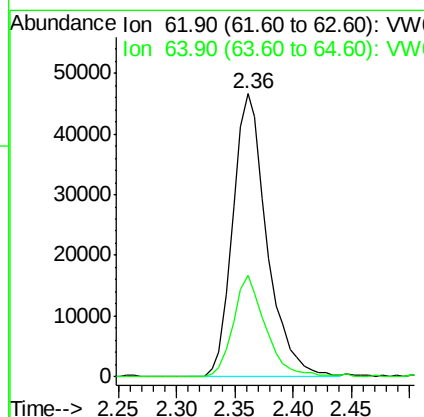
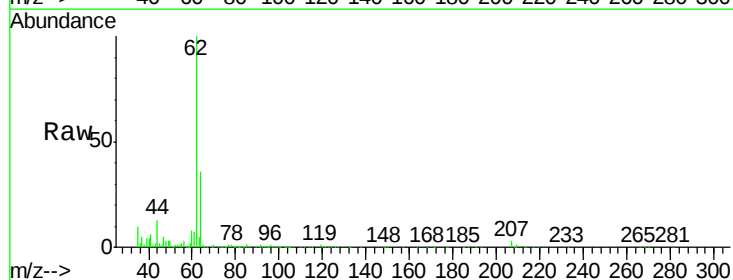
Acq: 07 Feb 2019 11:56

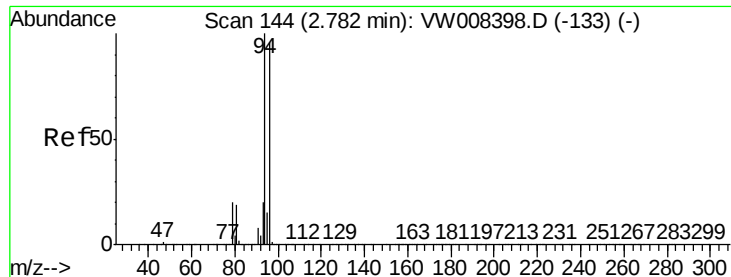
Tgt Ion: 62 Resp: 95110

Ion Ratio Lower Upper

62 100

64 36.1 25.5 38.3





#5

Bromomethane

Concen: 21.568 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion: 94 Resp: 78641

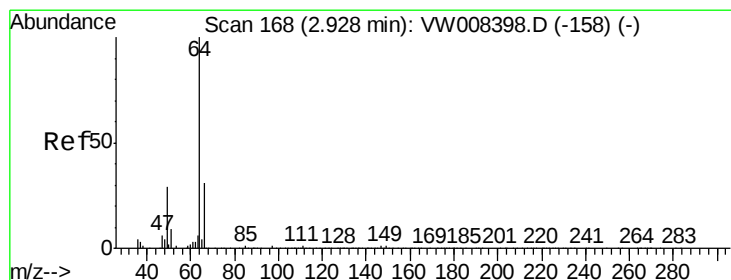
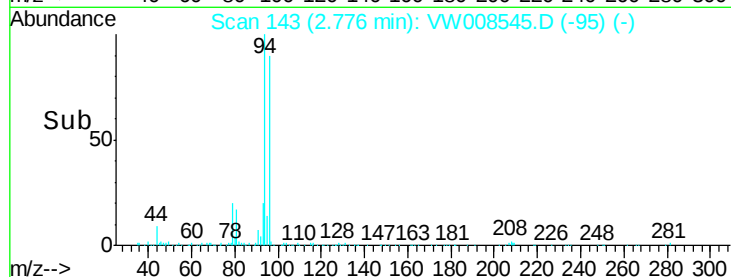
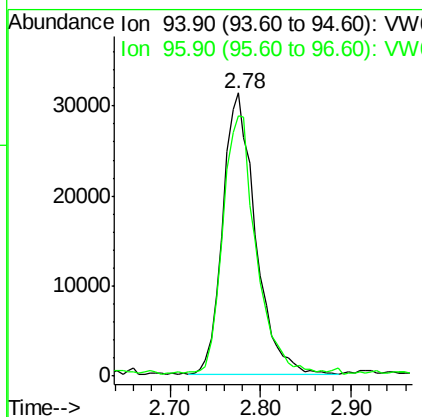
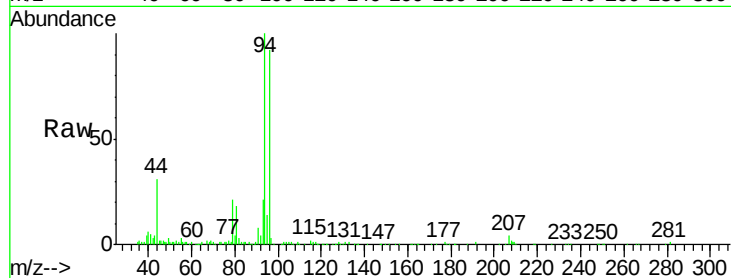
Ion Ratio Lower Upper

94 100

96 90.7 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 21.516 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008545.D

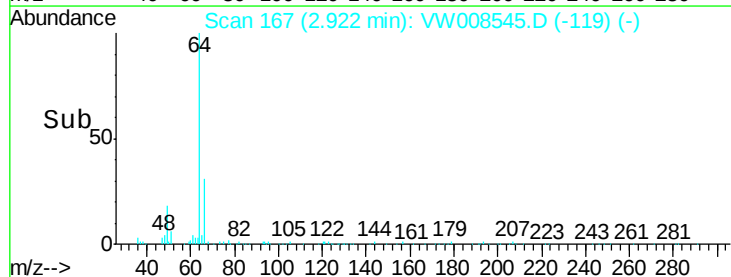
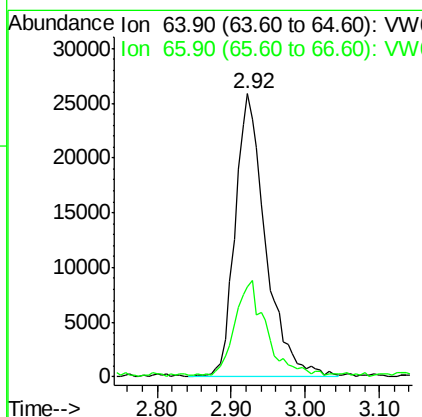
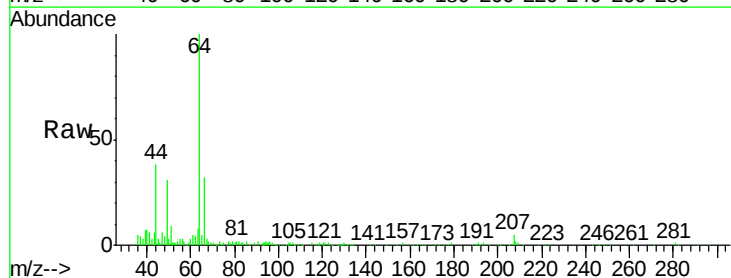
Acq: 07 Feb 2019 11:56

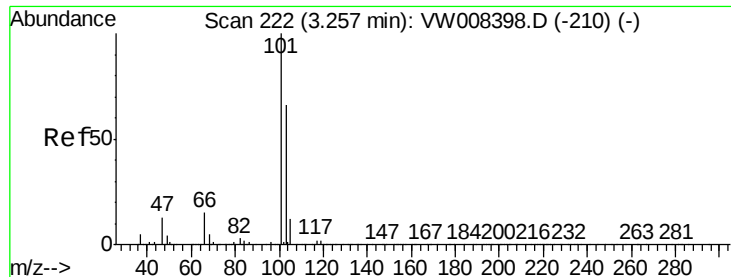
Tgt Ion: 64 Resp: 74388

Ion Ratio Lower Upper

64 100

66 31.2 24.9 37.3





#7

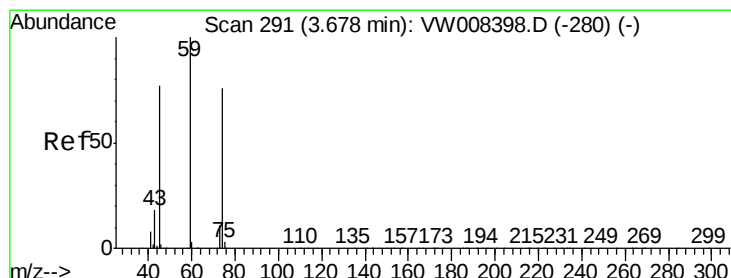
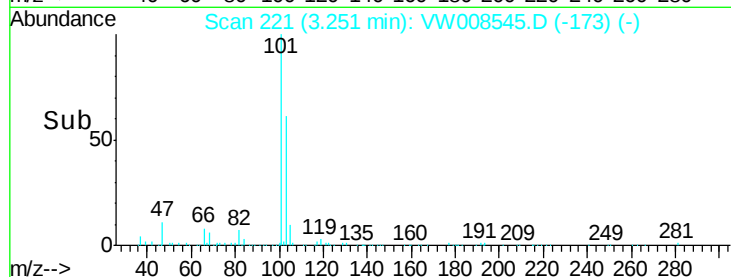
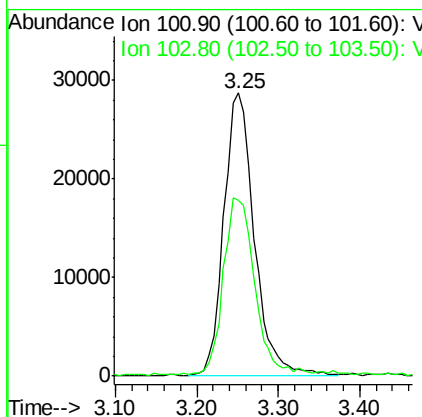
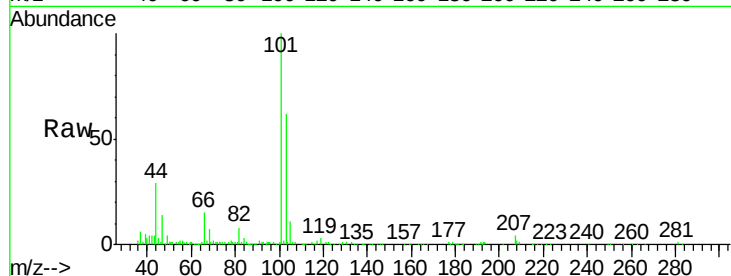
Trichlorofluoromethane
Concen: 18.463 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008545.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.5	78.7

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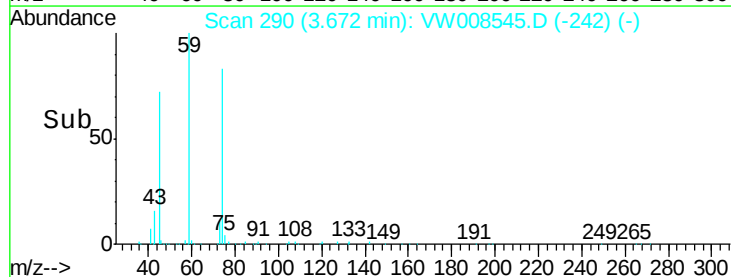
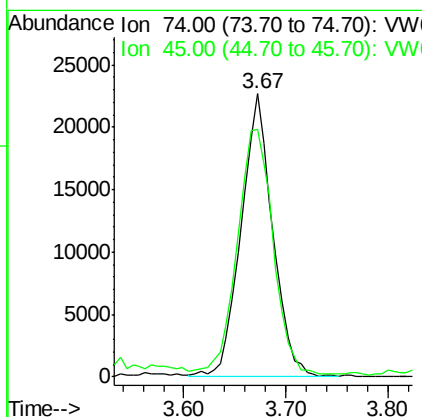
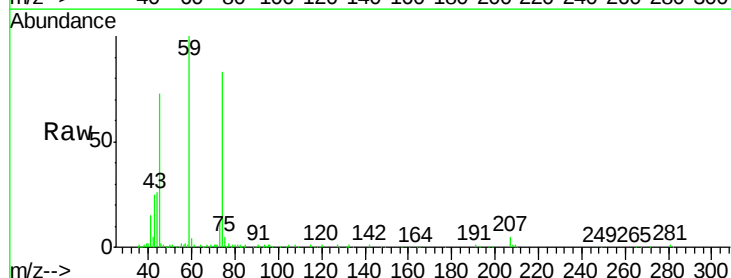
MMDadoda
2/11/2019 12:38:27 PM



#8

Diethyl Ether
Concen: 17.829 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.925 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

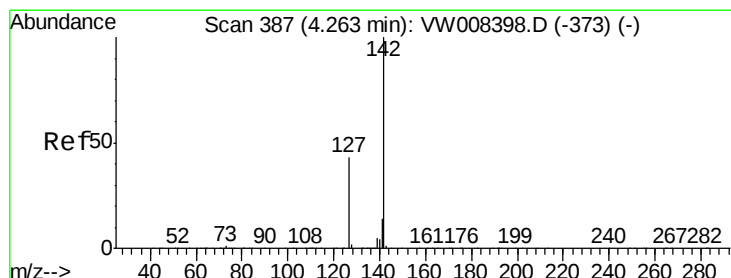
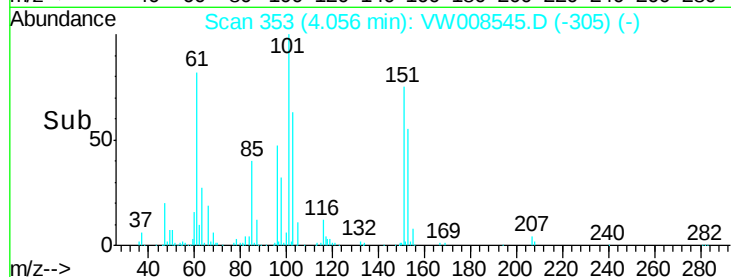
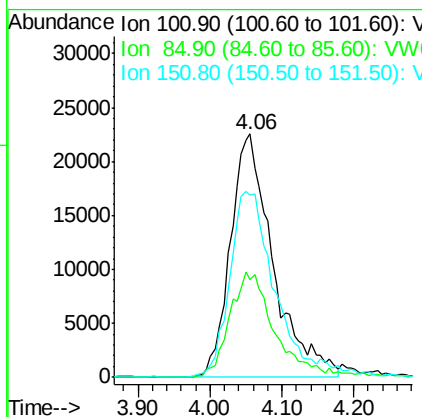
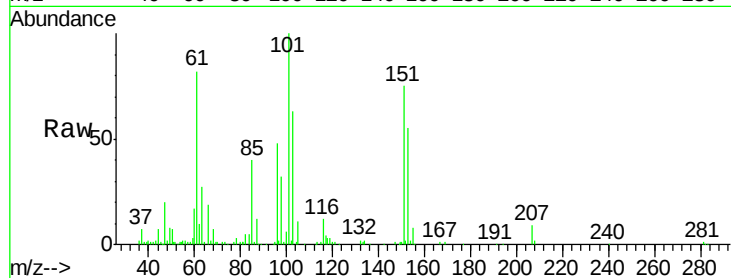
ClientSampleId :

VW0207SBS01

Tot Ion:	101	Resp:	93120
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.0	52.4
151	77.8	62.6	94.0

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#10

Methyl Iodide

Concen: 18.849 ug/l

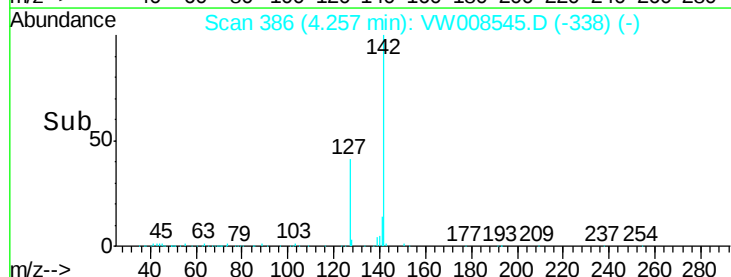
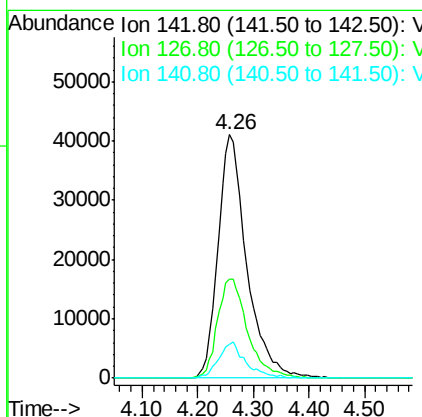
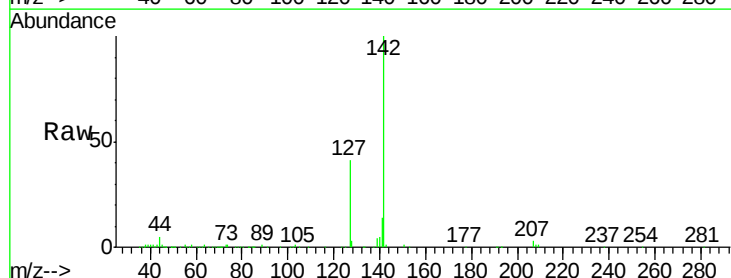
RT: 4.26 min Scan# 386

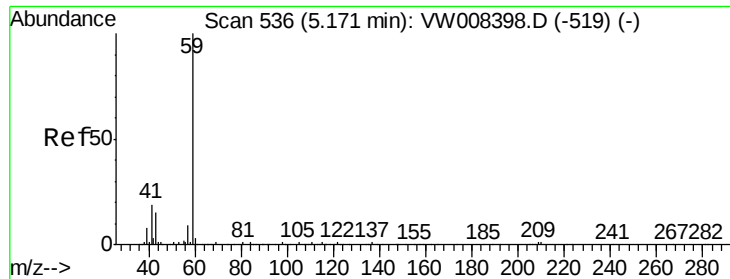
Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Tgt Ion:	142	Resp:	146499
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.6	52.0
141	14.1	11.4	17.2





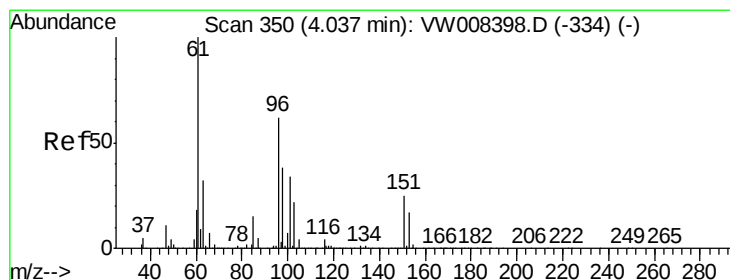
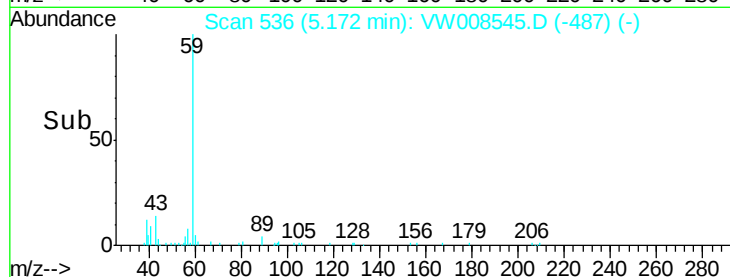
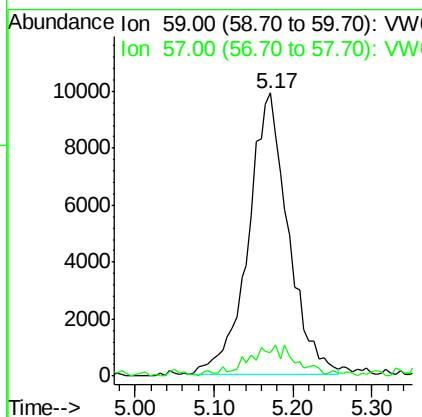
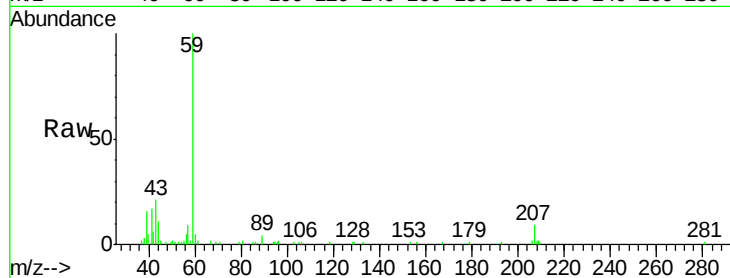
#11
Tert butyl alcohol
Concen: 80.770 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	9.3	13.9#

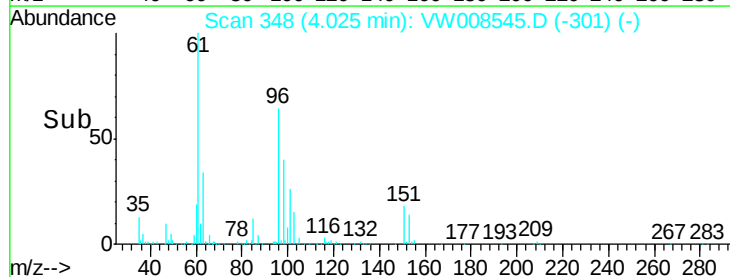
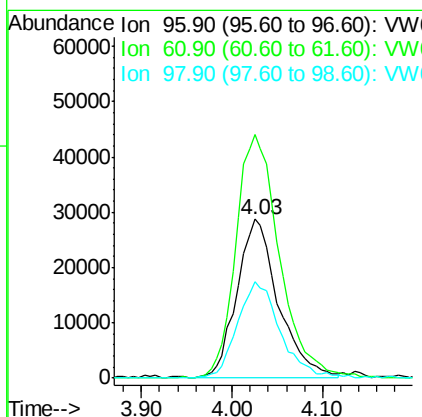
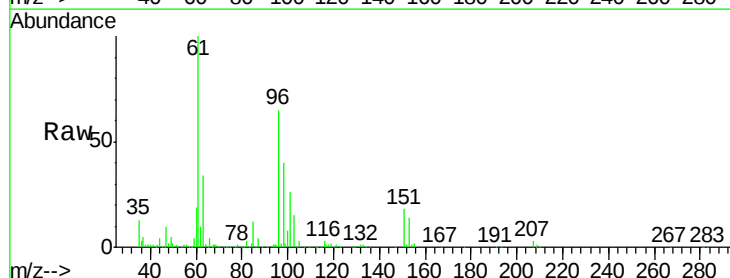
Manual Integrations
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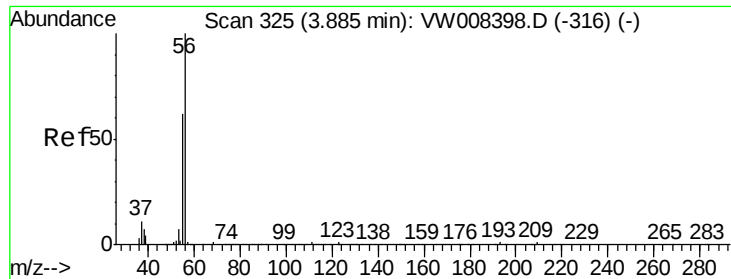
MMDadoda
2/11/2019 12:38:27 PM



#12
1,1-Dichloroethene
Concen: 18.412 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	129.5	194.3
98	61.0	48.6	73.0





#13

Acrolein

Concen: 84.451 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion: 56 Resp: 30992

Ion Ratio Lower Upper

56 100

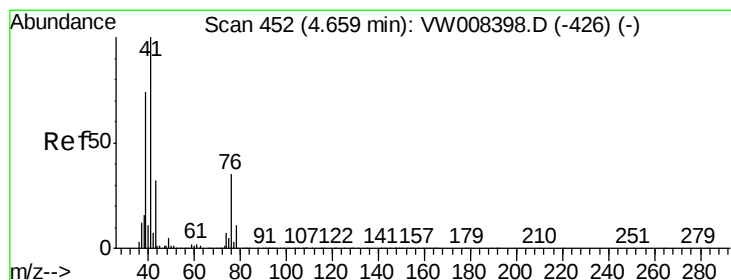
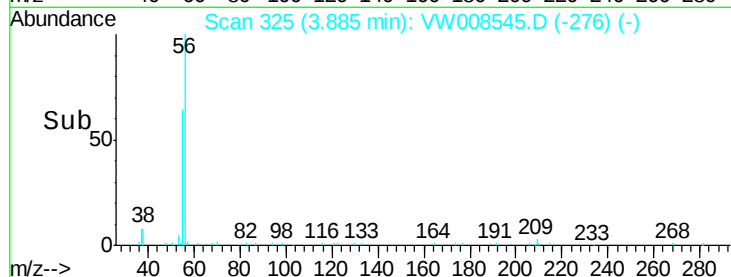
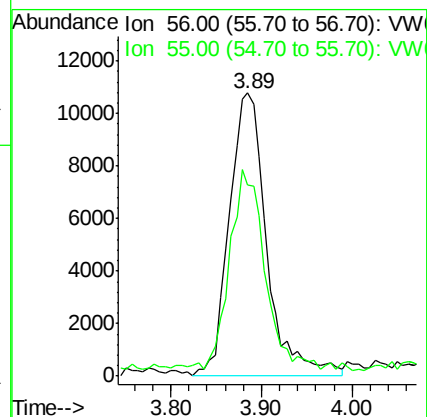
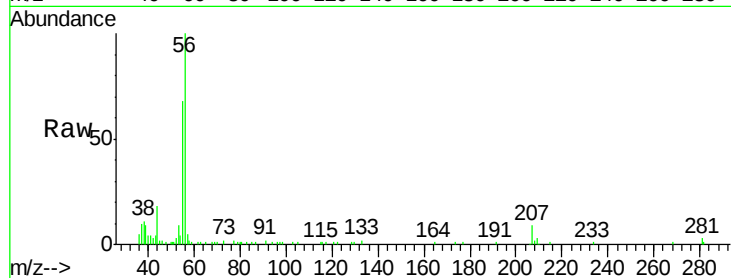
55 66.6 56.7 85.1

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#14

Allyl chloride

Concen: 16.207 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

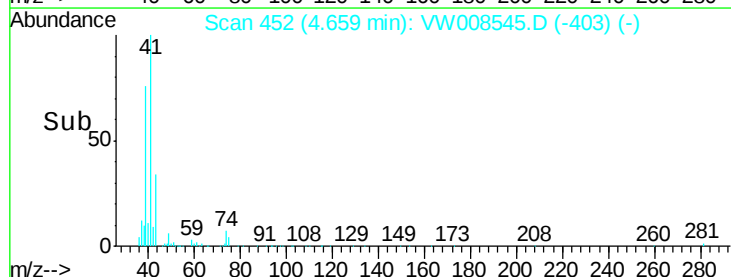
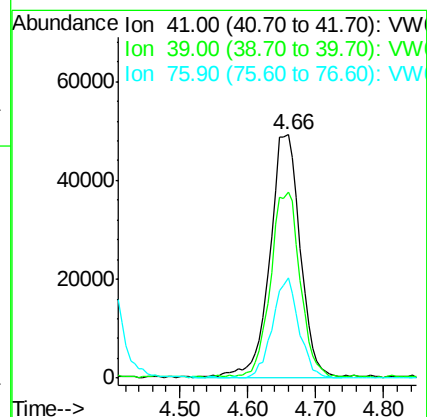
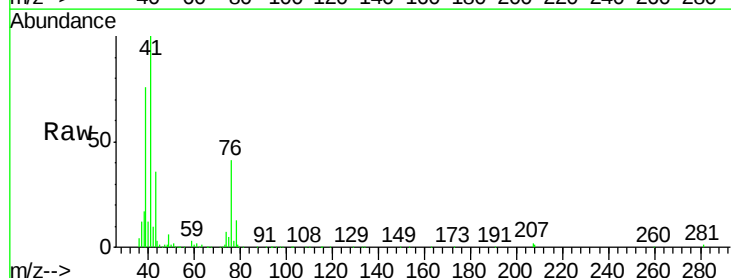
Tgt Ion: 41 Resp: 153252

Ion Ratio Lower Upper

41 100

39 73.5 57.7 86.5

76 35.9 26.9 40.3





#15

Acrylonitrile

Concen: 82.204 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008545.D

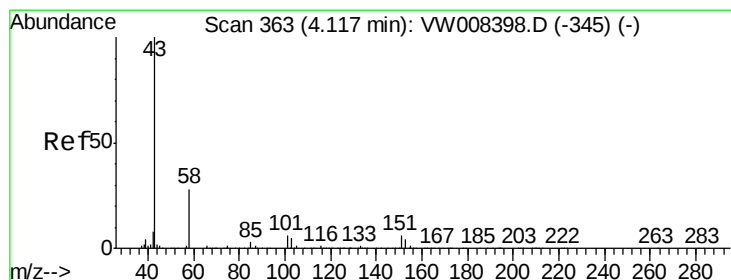
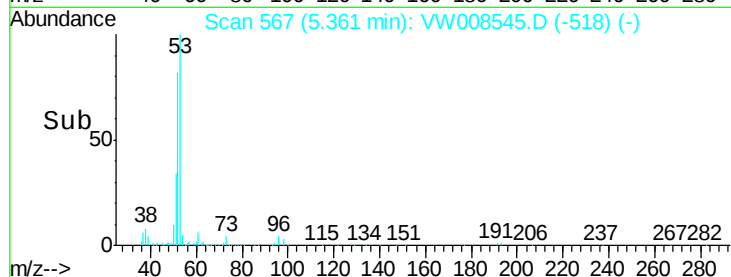
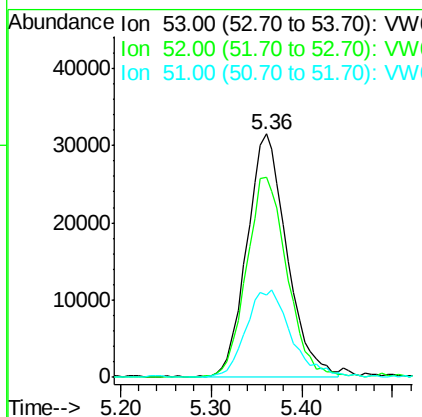
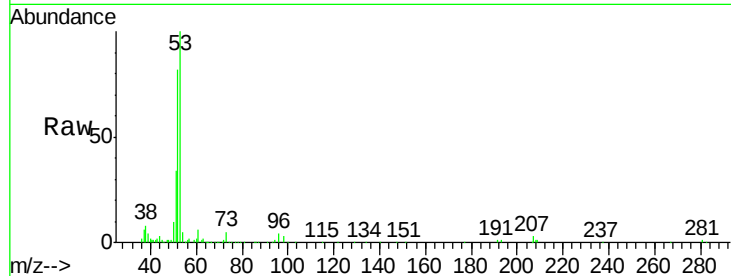
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion:	53	Resp:	96305
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.0	100.4
51	40.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 80.101 ug/l

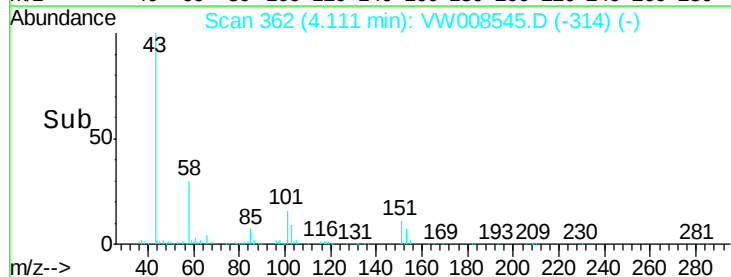
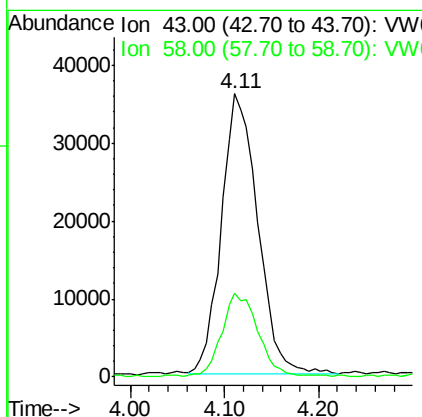
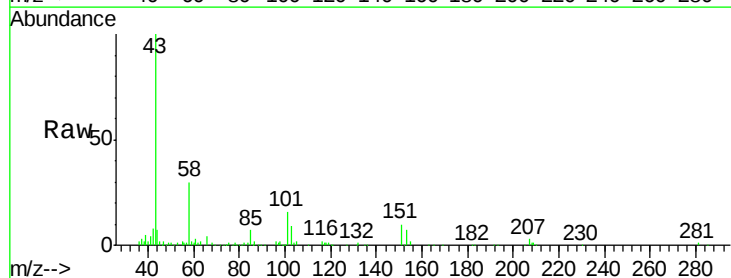
RT: 4.11 min Scan# 362

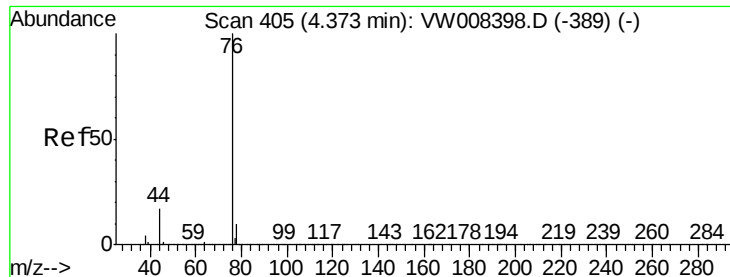
Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Tgt Ion:	43	Resp:	96139
Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.6	34.0





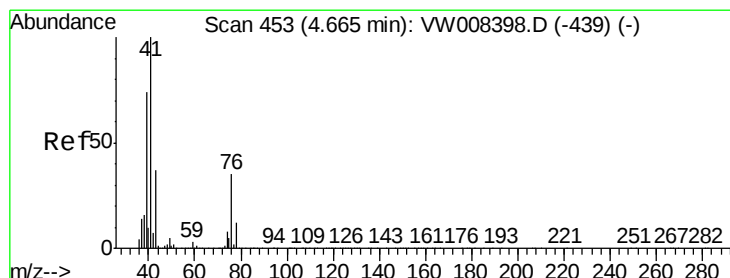
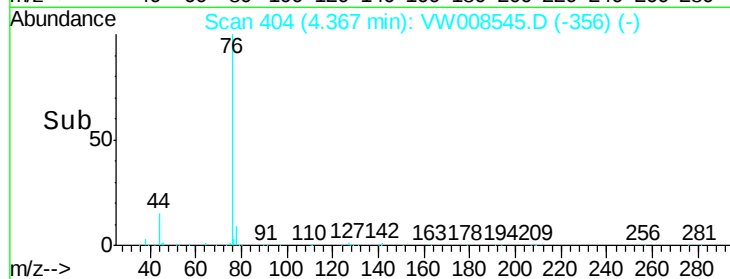
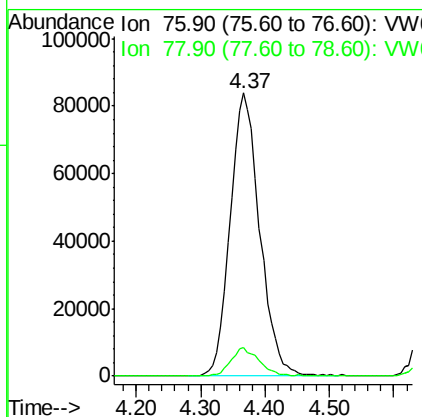
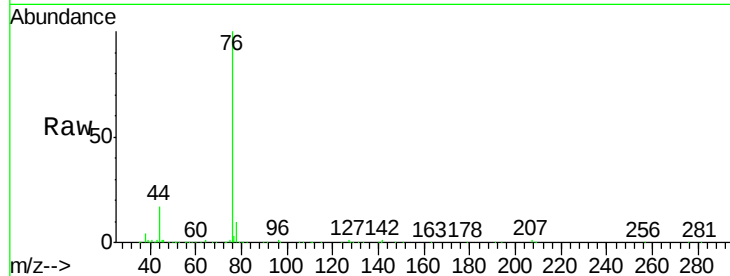
#17
Carbon Disulfide
Concen: 16.888 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.7	11.5

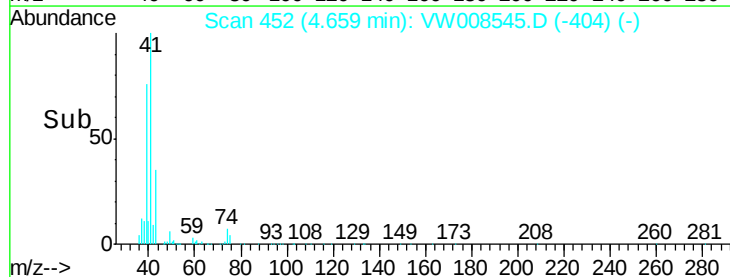
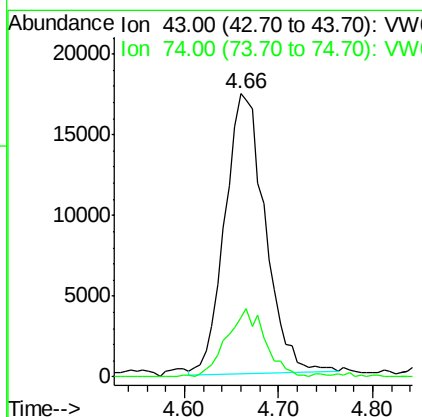
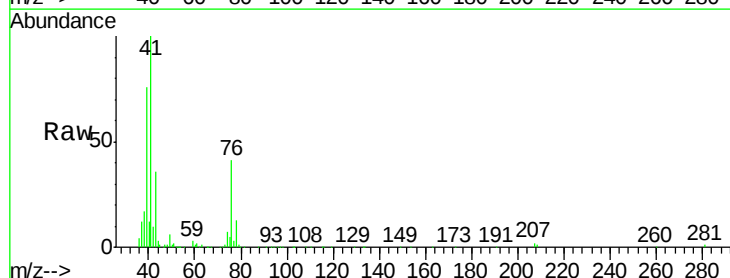
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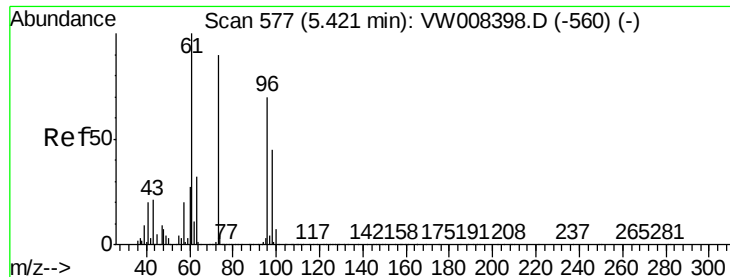
MMDadoda
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#18
Methyl Acetate
Concen: 16.161 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.5	26.3





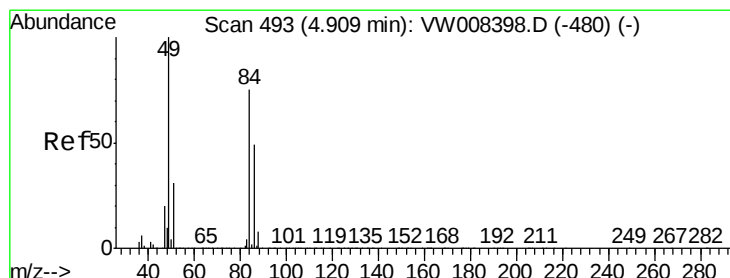
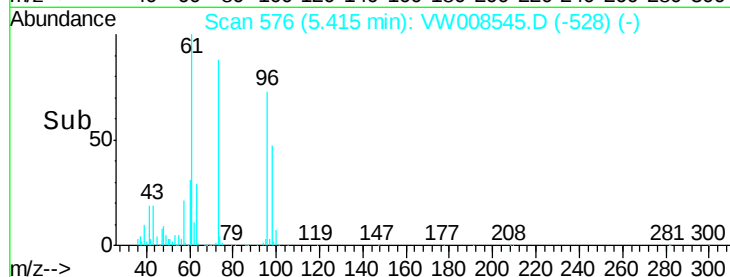
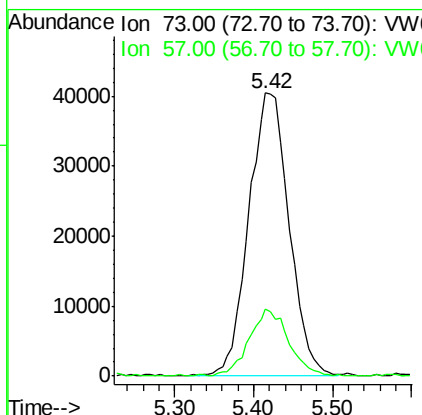
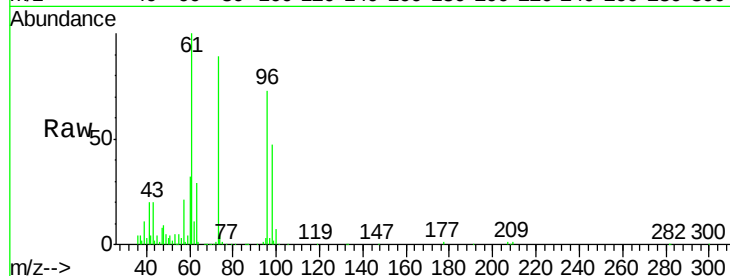
#19
Methvl tert-butvl Ether
Concen: 17.445 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion: 73 Resp: 143732
Ion Ratio Lower Upper
73 100
57 23.8 18.0 27.0

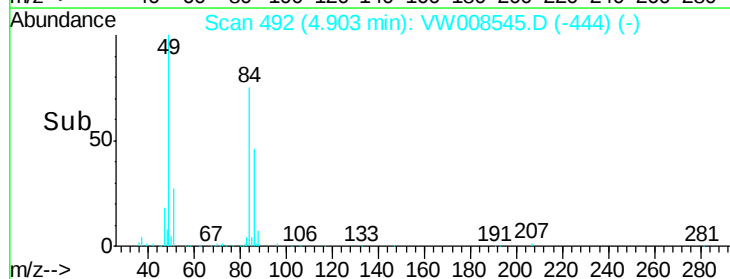
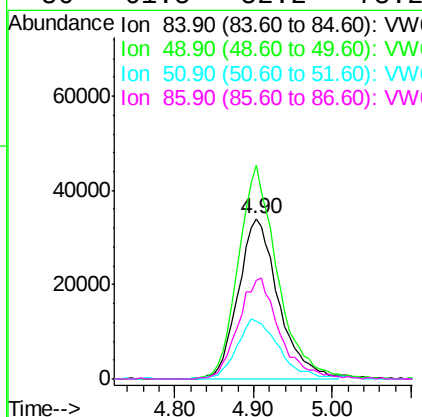
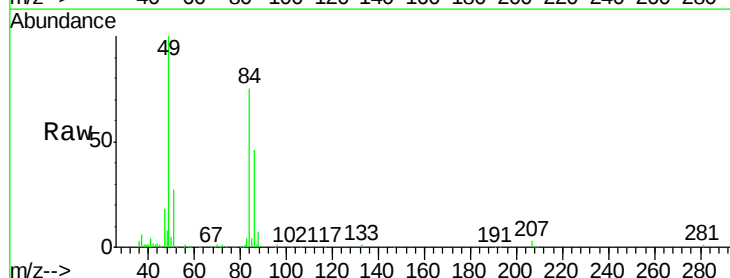
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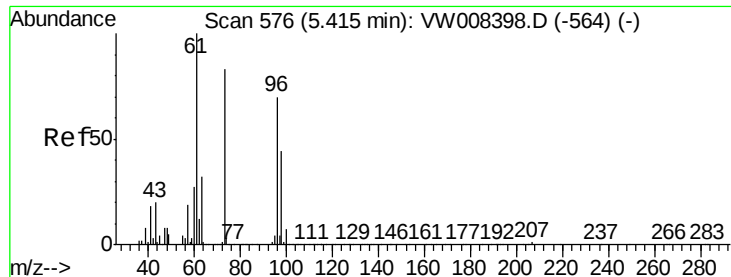
MMDadoda
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#20
Methylene Chloride
Concen: 21.831 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion: 84 Resp: 120766
Ion Ratio Lower Upper
84 100
49 133.3 106.8 160.2
51 36.3 32.9 49.3
86 61.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.223 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

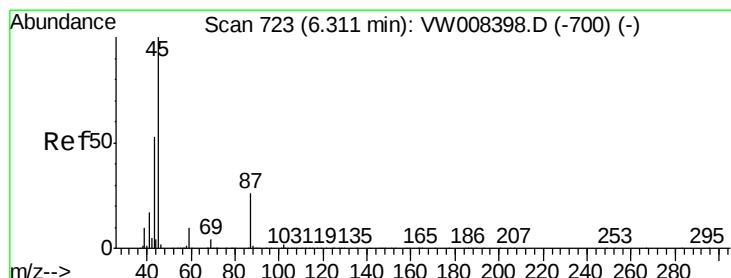
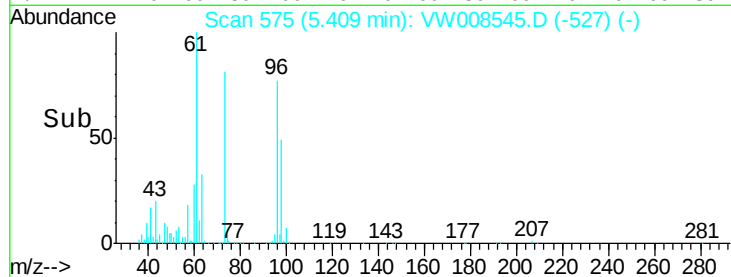
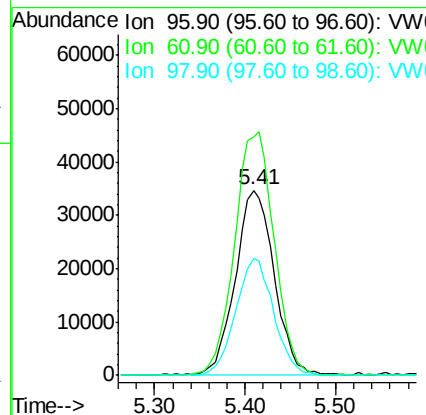
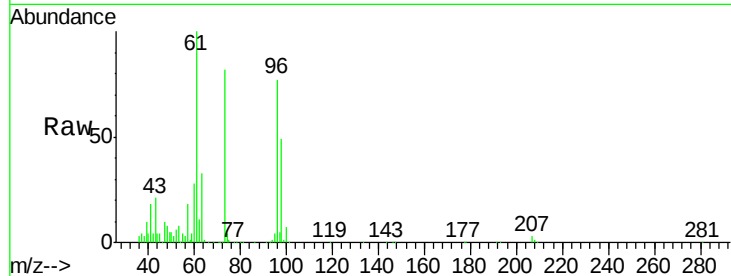
ClientSampleId :

VW0207SBS01

Tot Ion:	96	Resp:	102021
Ion Ratio	Lower	Upper	
96	100		
61	129.0	114.4	171.6
98	63.5	50.6	75.8

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#22

Diisopropyl ether

Concen: 16.174 ug/l

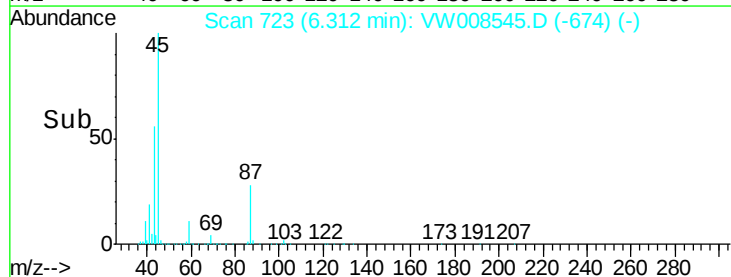
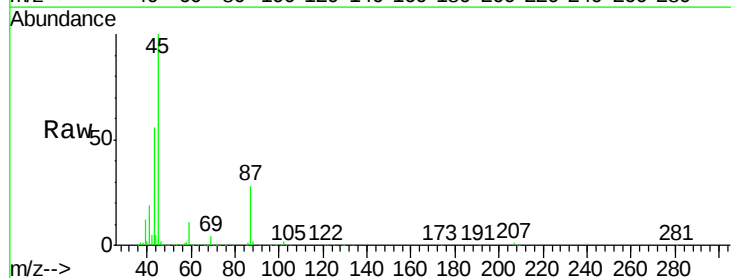
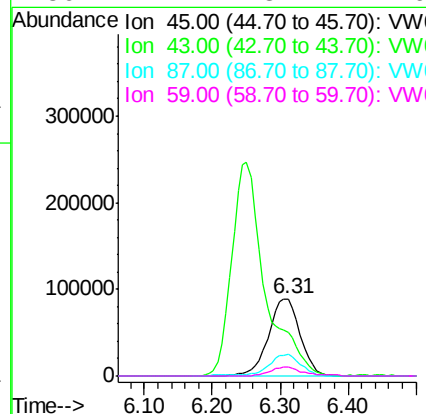
RT: 6.31 min Scan# 723

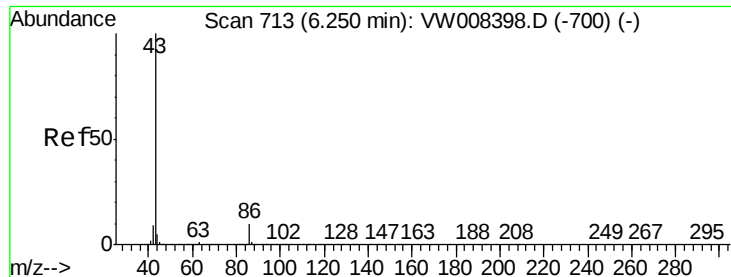
Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Tgt Ion:	45	Resp:	289850
Ion Ratio	Lower	Upper	
45	100		
43	56.1	42.6	63.8
87	28.0	20.3	30.5
59	11.2	8.4	12.6





#23

Vinyl Acetate

Concen: 79.286 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion: 43 Resp: 839008

Ion Ratio Lower Upper

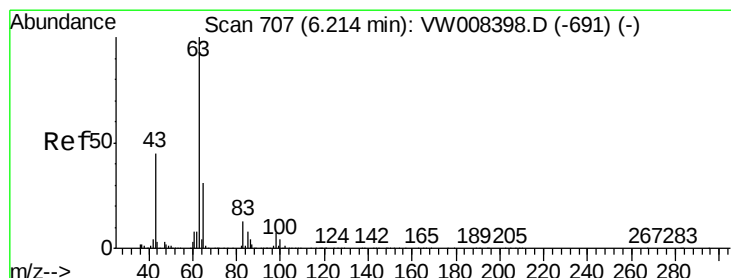
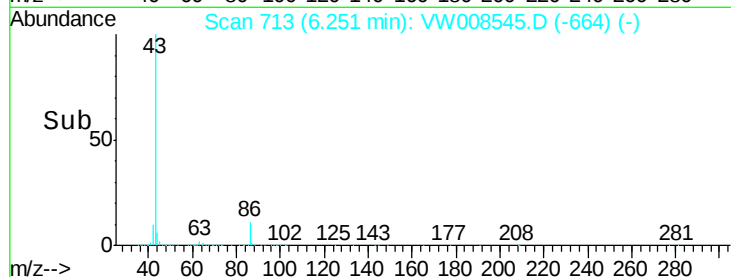
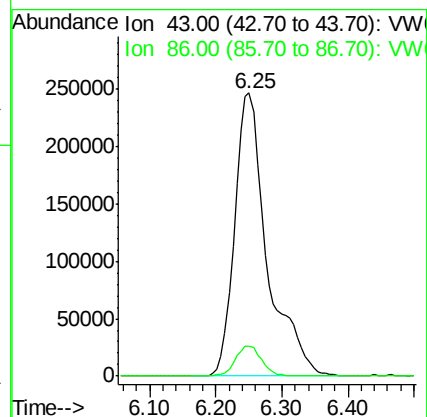
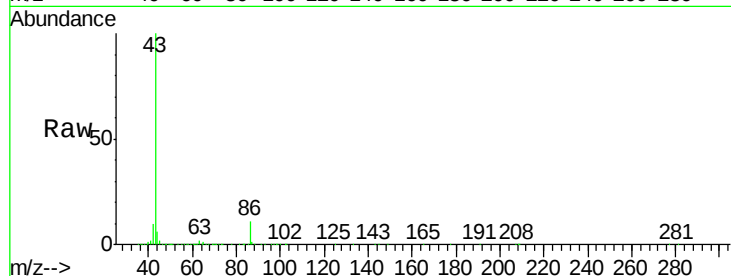
43 100

86 10.7 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 17.325 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

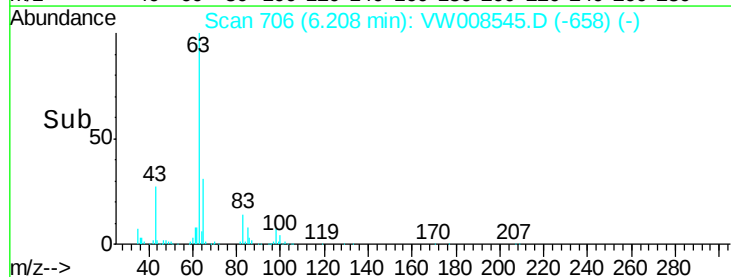
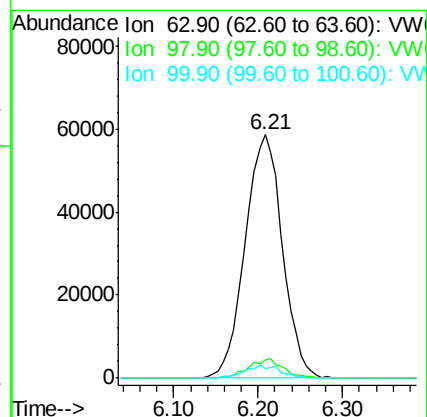
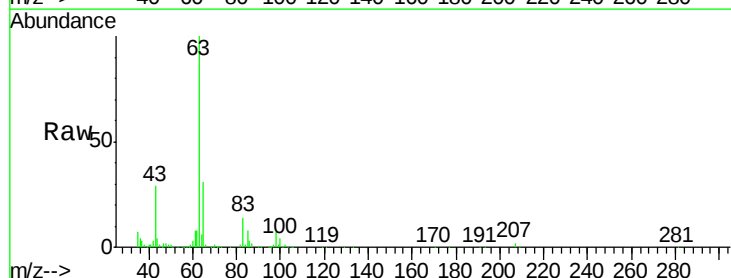
Tgt Ion: 63 Resp: 175750

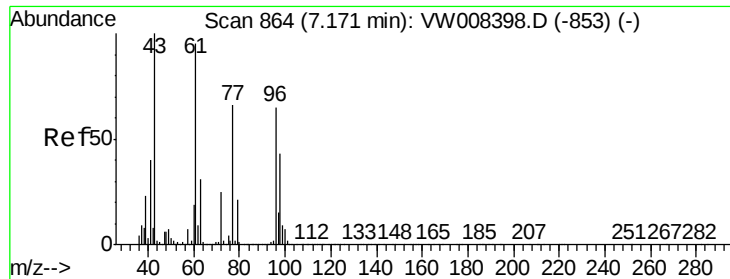
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 80.981 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion: 43 Resp: 135003

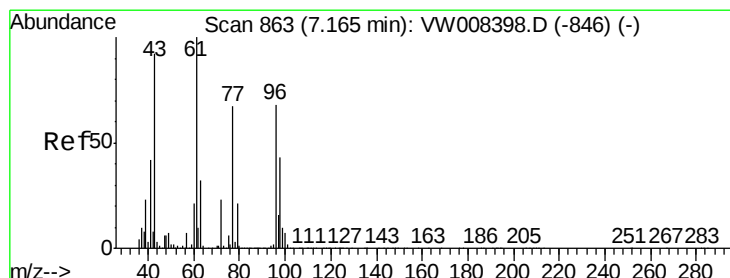
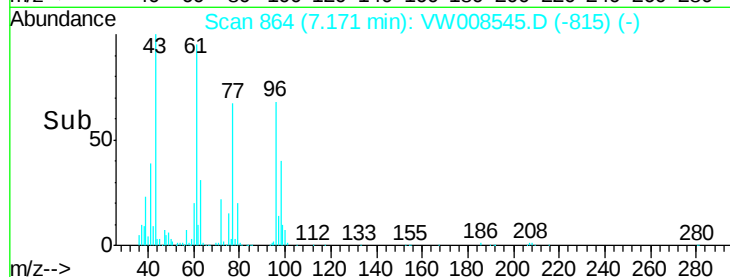
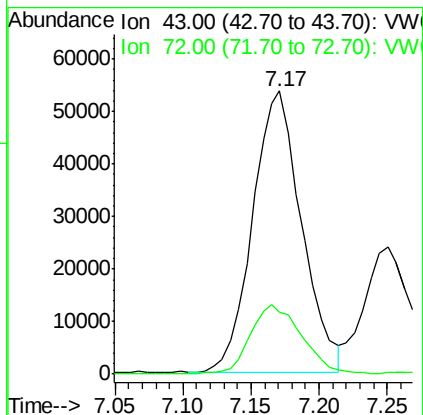
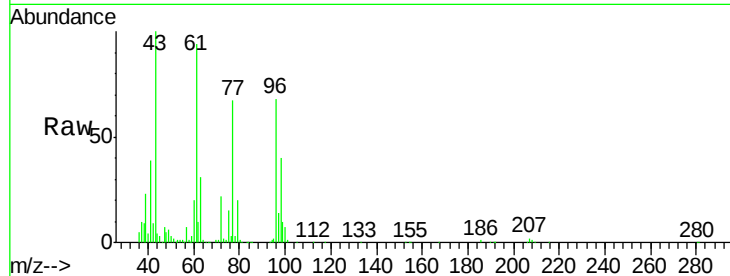
Ion Ratio Lower Upper

43 100

72 21.8 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 18.082 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008545.D

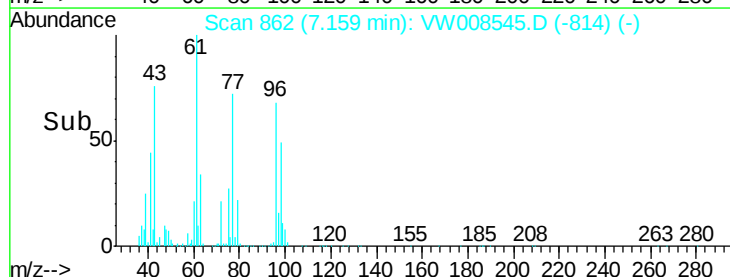
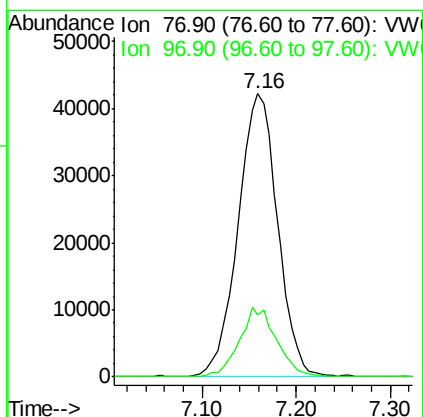
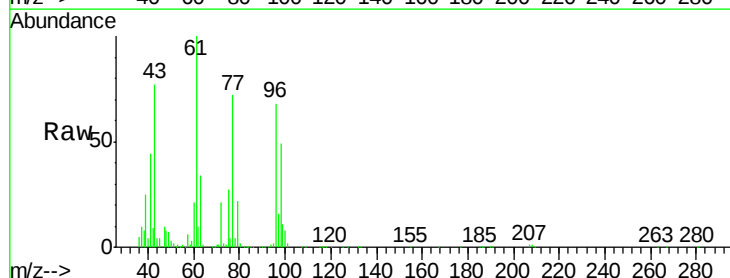
Acq: 07 Feb 2019 11:56

Tgt Ion: 77 Resp: 123983

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5





#27

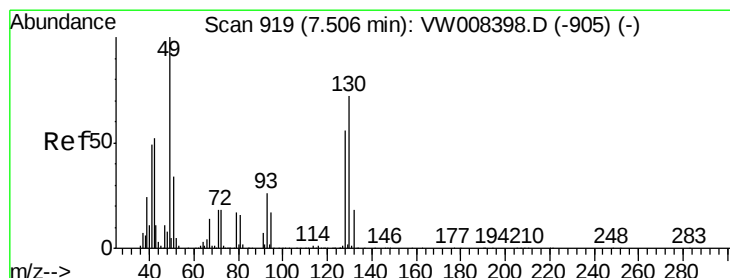
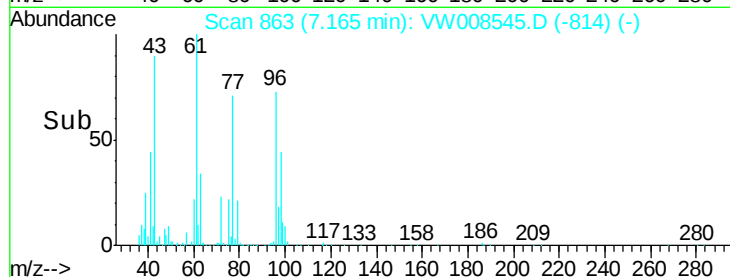
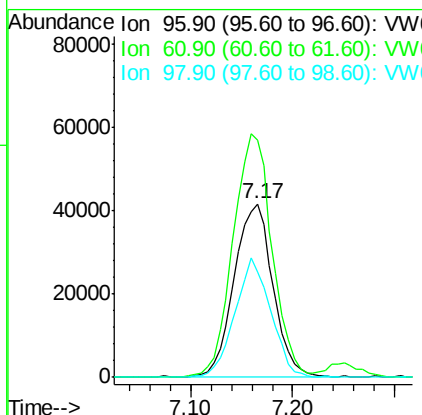
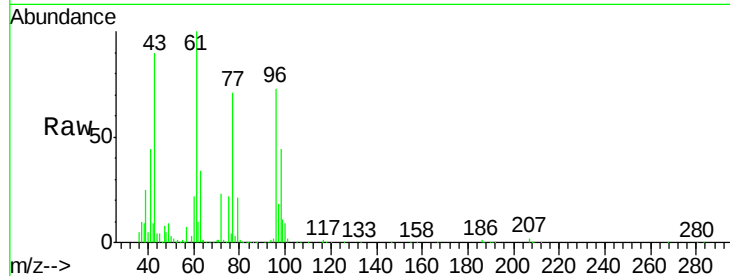
cis-1,2-Dichloroethene
Concen: 18.100 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	110436		
61	140.8	0.0	292.8	
98	63.5	0.0	129.2	

Manual Integrations
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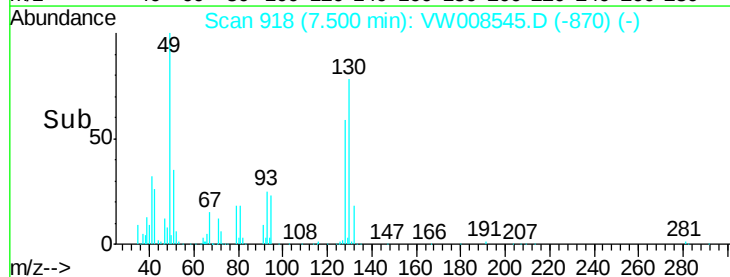
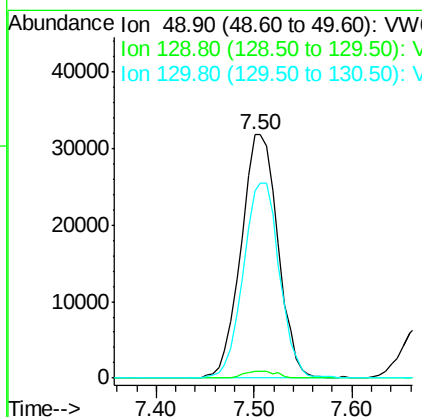
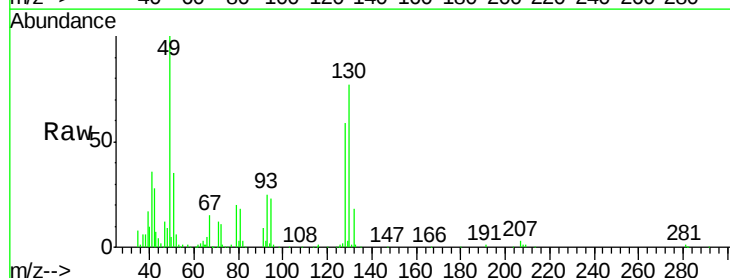
MMDadoda
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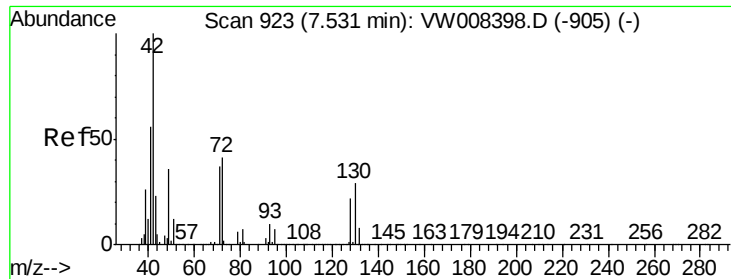


#28

Bromochloromethane
Concen: 17.889 ug/l
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83349		
129	2.5	0.0	4.6	
130	78.5	58.6	87.8	





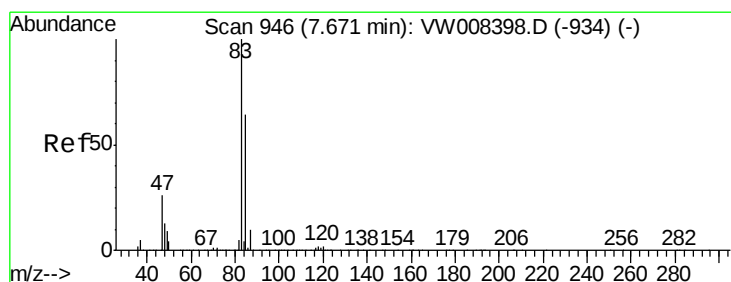
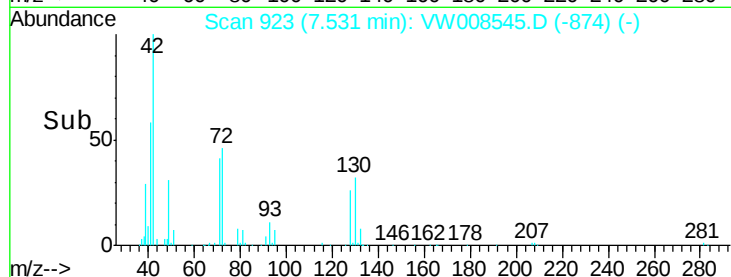
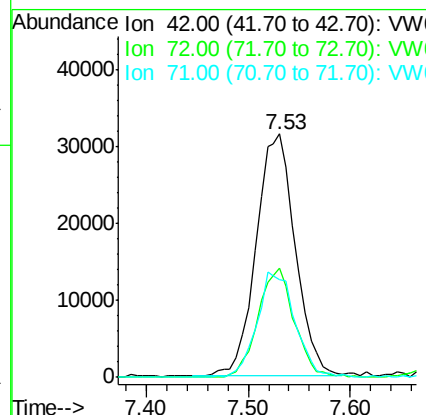
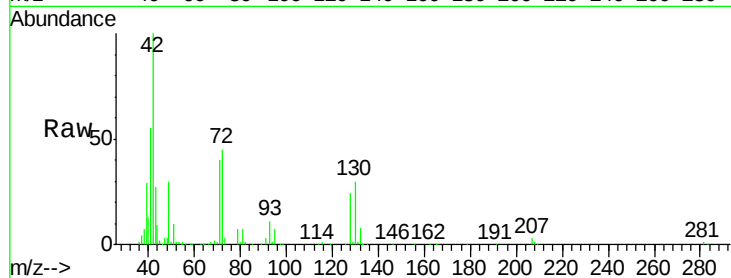
#29
Tetrahydrofuran
Concen: 79.539 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	31.9	47.9
71	42.5	29.9	44.9

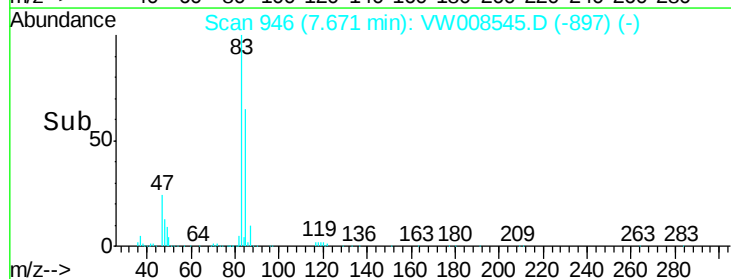
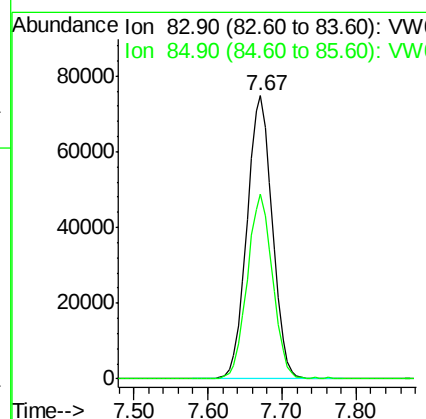
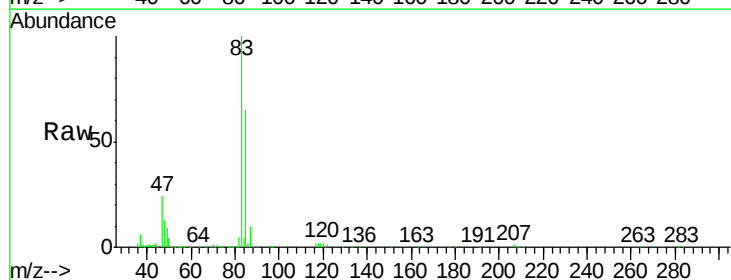
Manual Integrations
APPROVED

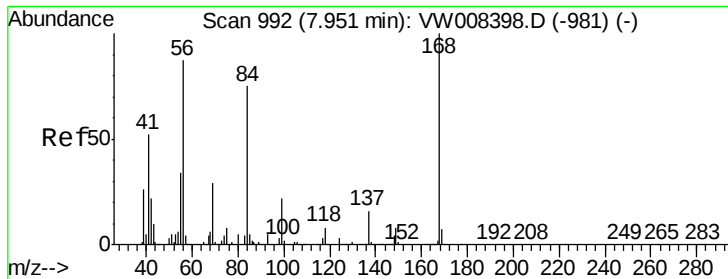
MMDadoda
2/11/2019 12:38:27 PM



#30
Chloroform
Concen: 17.957 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3





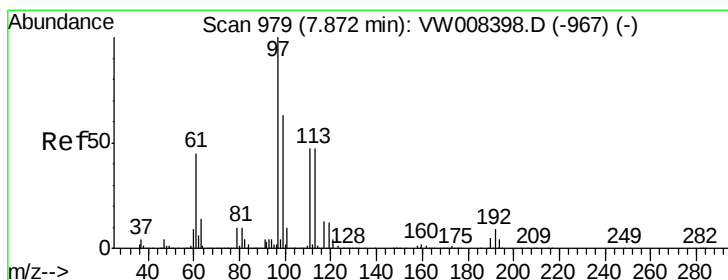
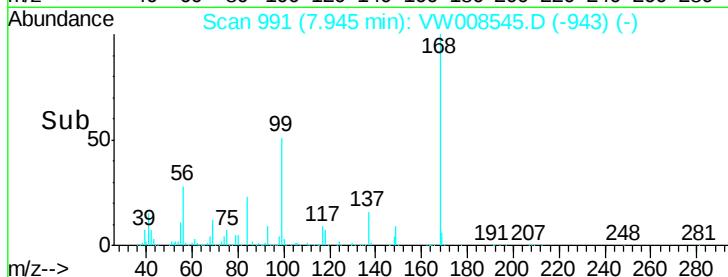
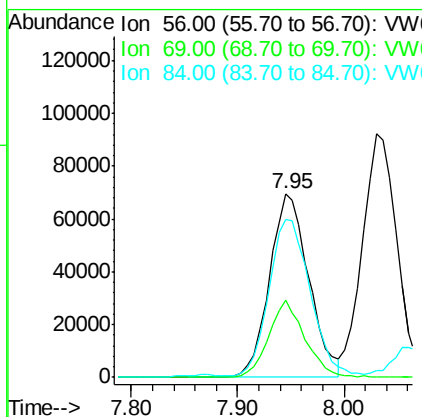
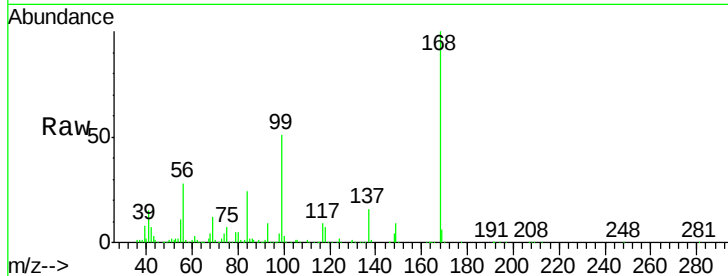
#31
Cyclohexane
Concen: 16.941 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.7	26.4	39.6#
84	84.8	69.1	103.7

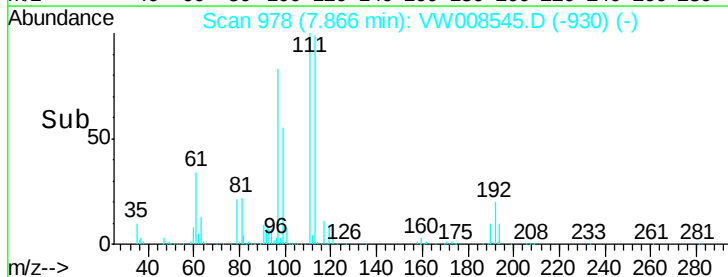
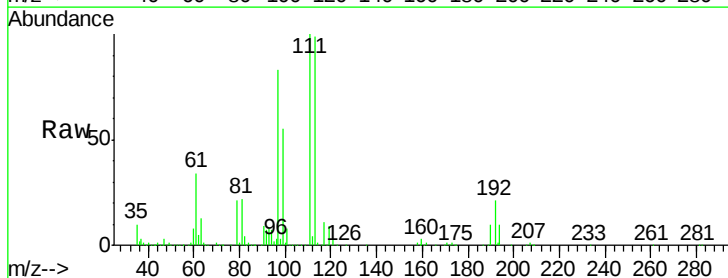
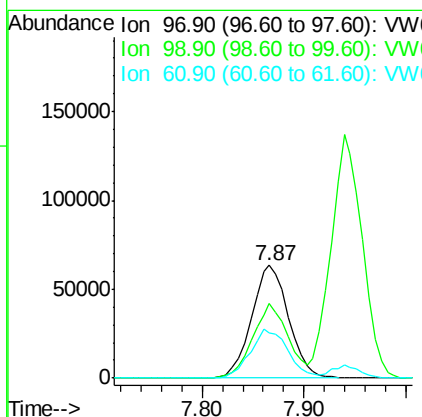
Manual Integrations
APPROVED

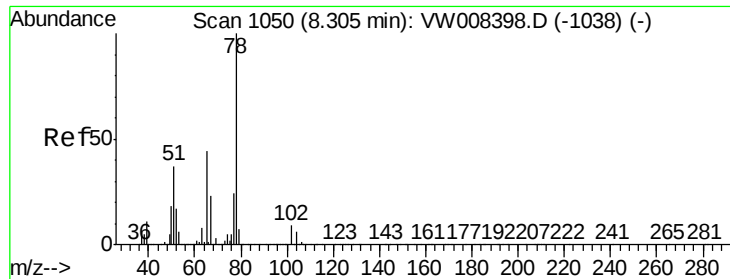
MMDadoda
2/11/2019 12:38:27 PM



#32
1,1,1-Trichloroethane
Concen: 18.492 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	44.2	36.2	54.4





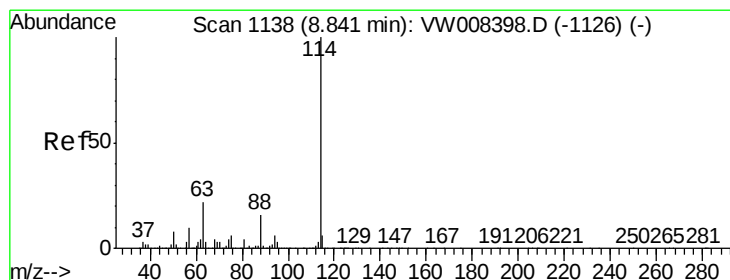
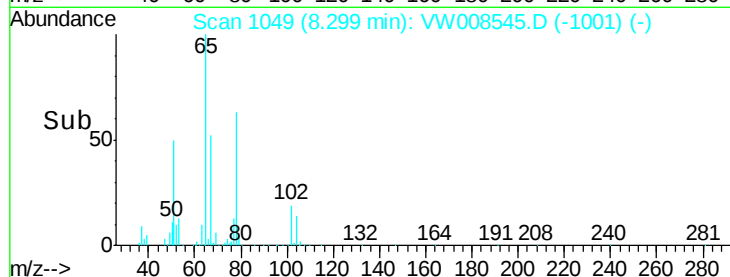
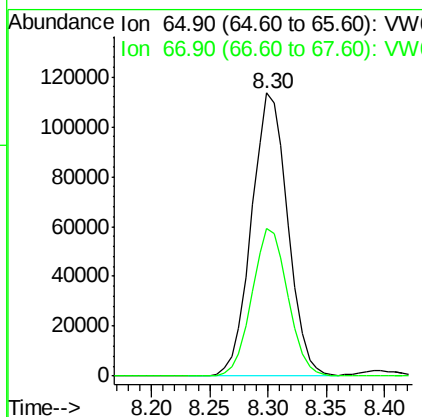
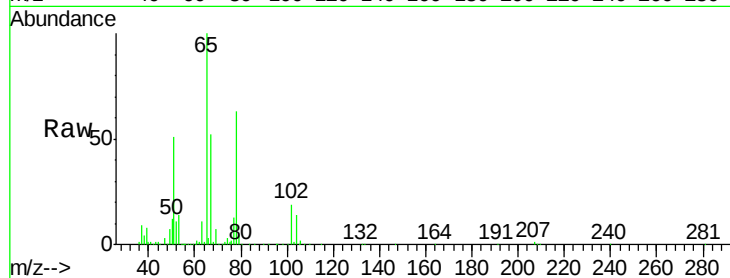
#33
 1,2-Dichloroethane-d4
 Concen: 46.201 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	104.0	

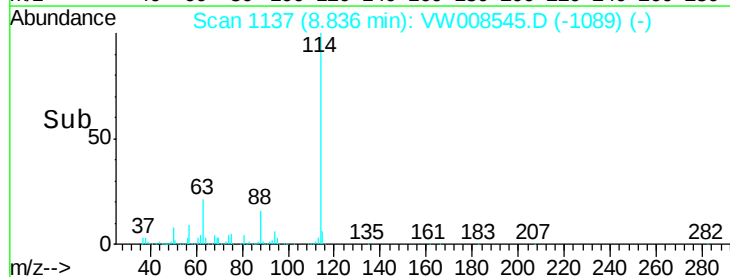
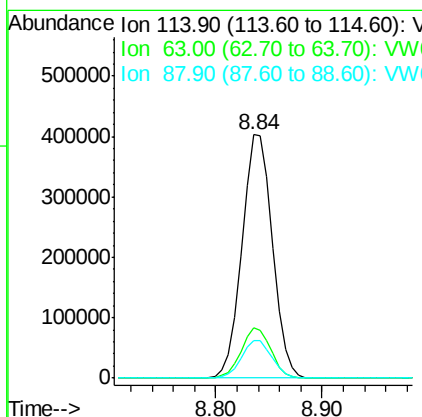
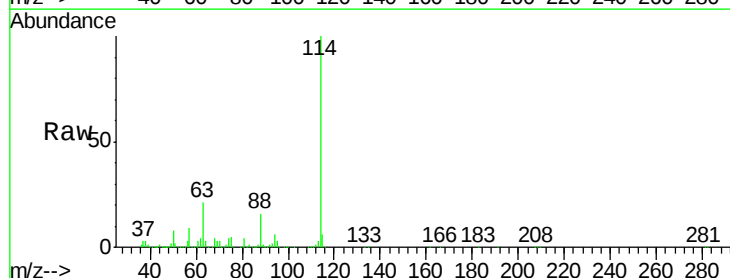
Manual Integrations
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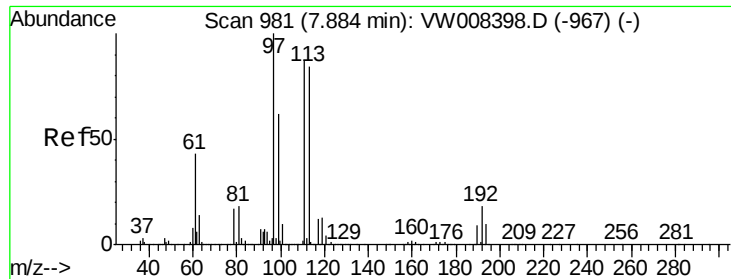
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 2/11/2019 12:38:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

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





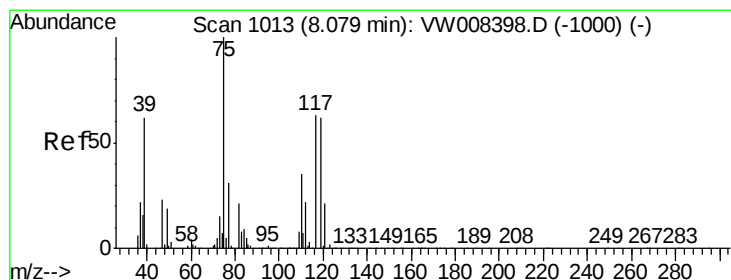
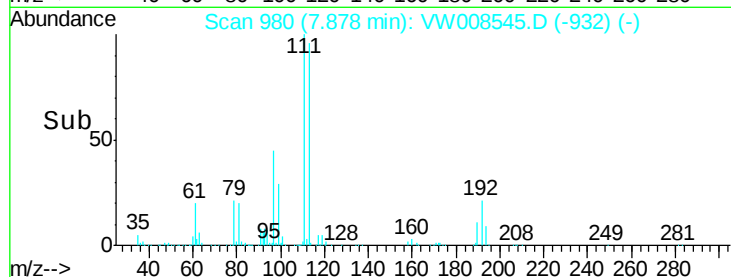
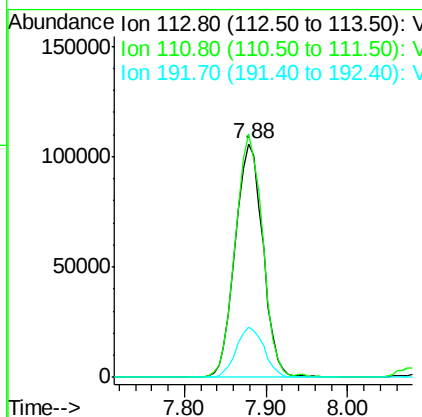
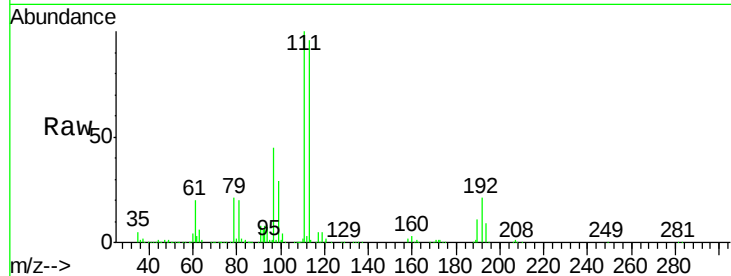
#35
 Dibromofluoromethane
 Concen: 52.457 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0207SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.0	121.4
192	21.6	16.8	25.2

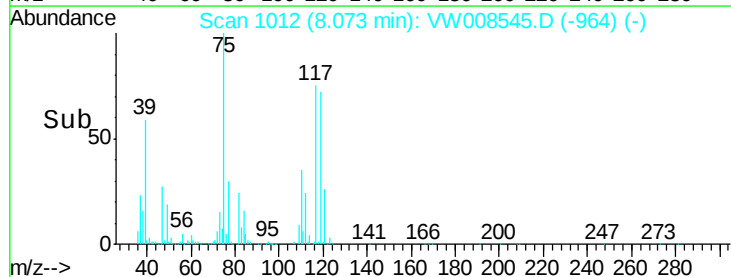
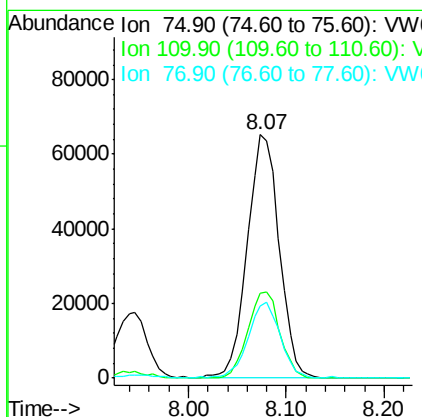
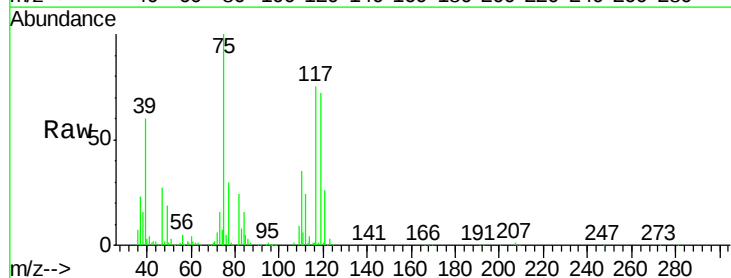
Manual Integrations
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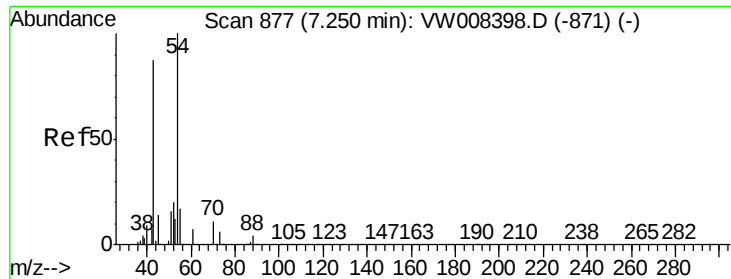
MMDadoda
 2/11/2019 12:38:27 PM



#36
 1,1-Dichloropropene
 Concen: 19.201 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.3	52.0
77	31.6	24.7	37.1





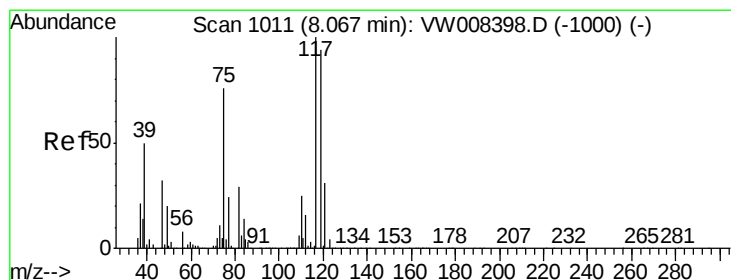
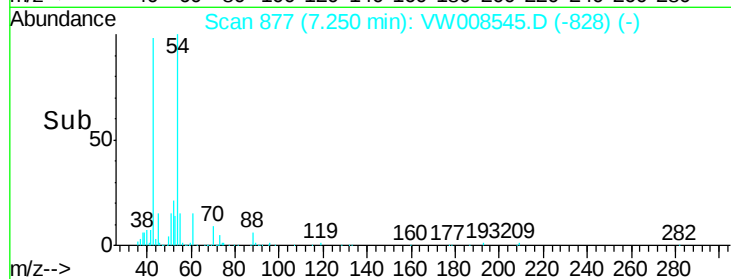
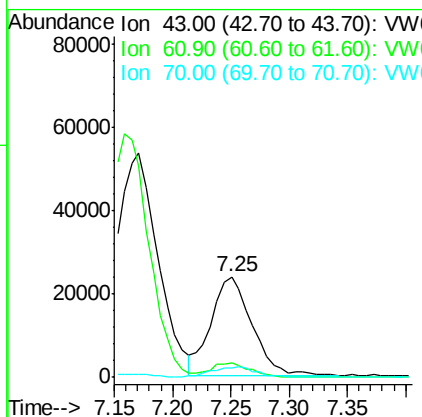
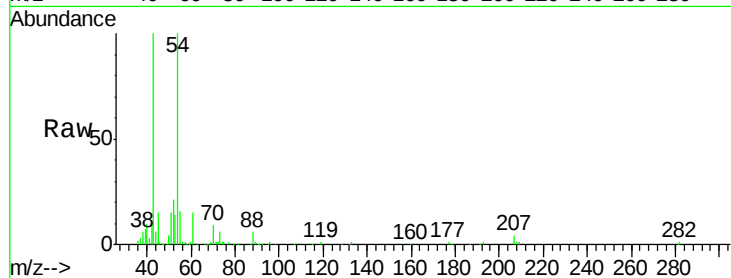
#37
Ethyl Acetate
Concen: 17.295 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.1	15.1
70	11.7	7.8	11.6

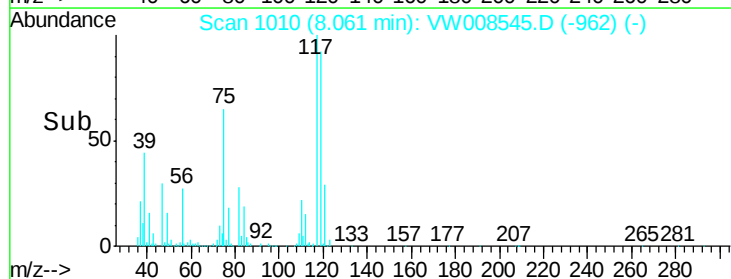
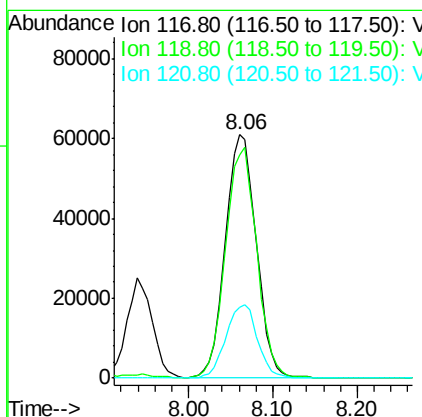
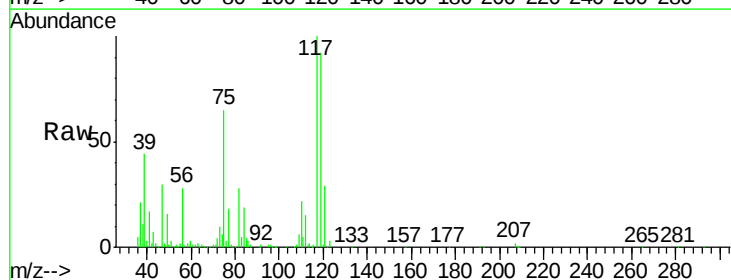
Manual Integrations
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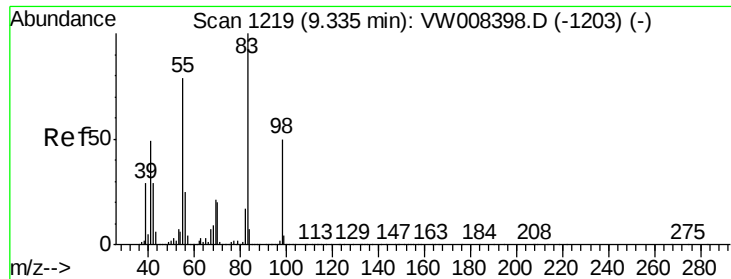
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.817 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.0	112.4
121	29.2	24.9	37.3





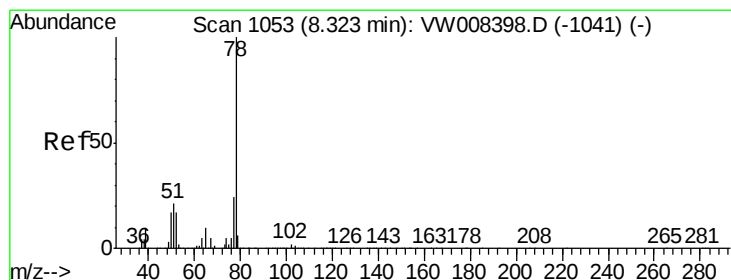
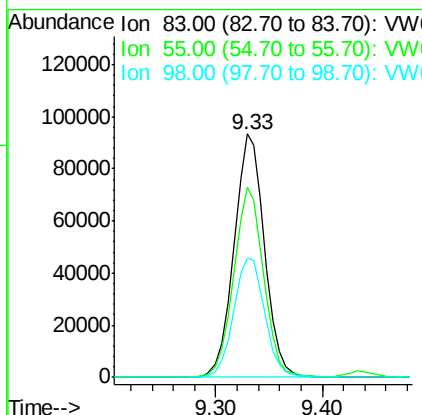
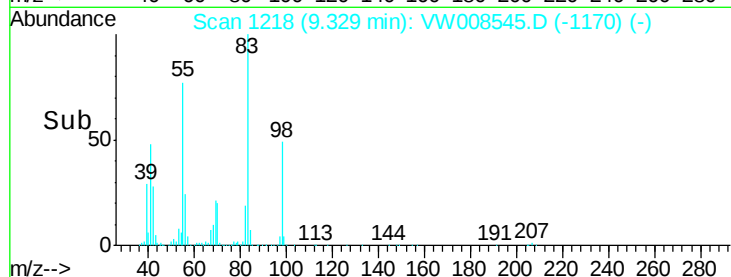
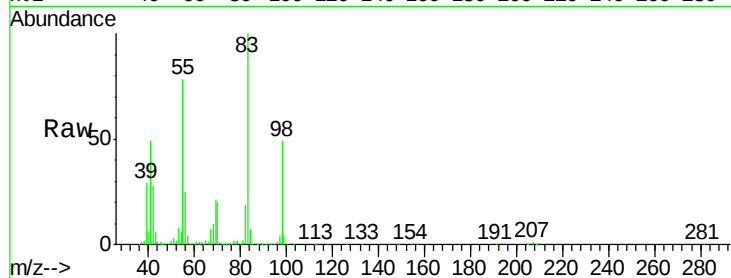
#39
Methvlcvclohexane
Concen: 18.588 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	63.3	94.9
98	49.2	39.7	59.5

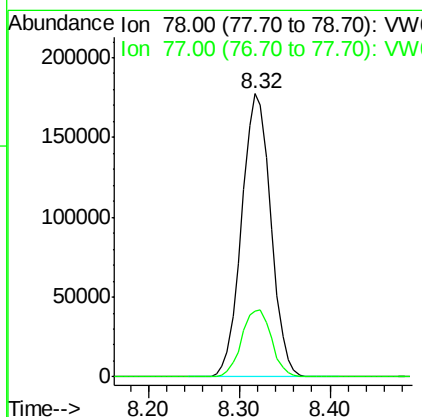
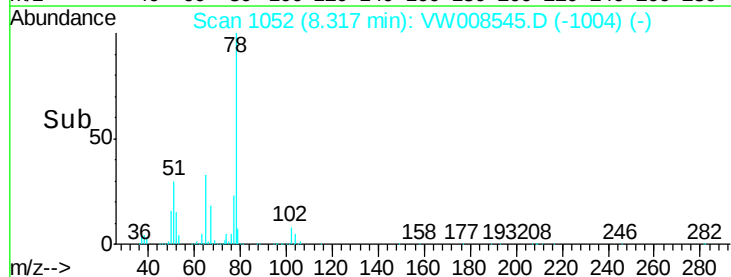
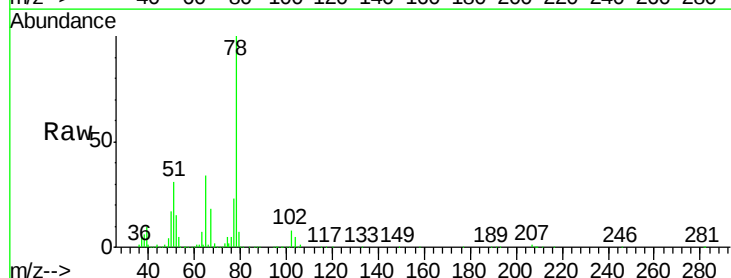
Manual Integrations
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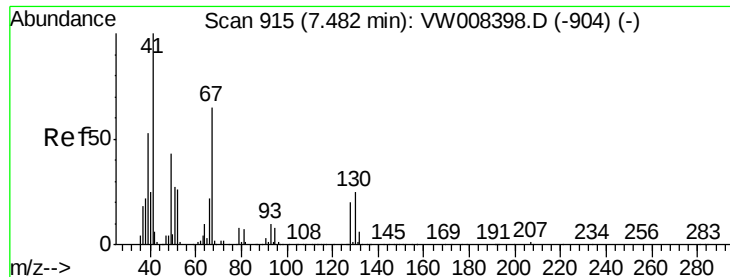
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#40
Benzene
Concen: 18.578 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





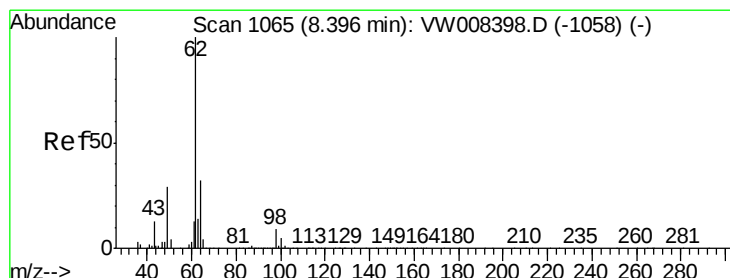
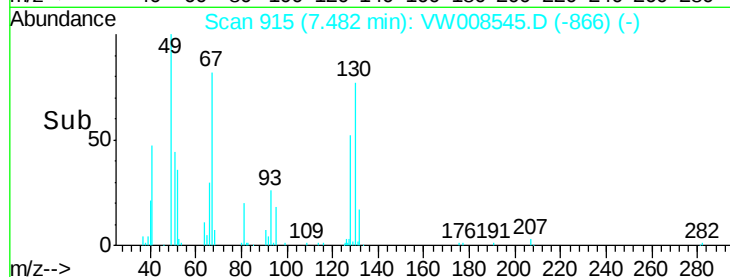
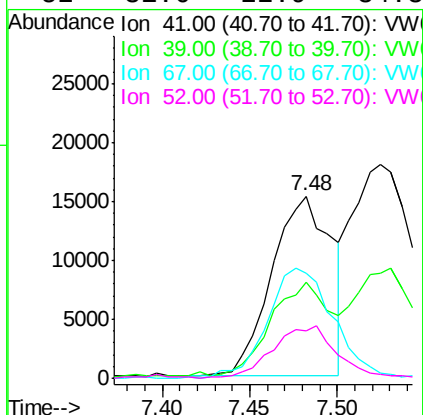
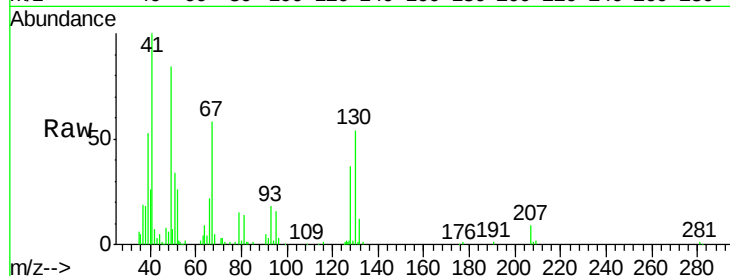
#41
Methacrylonitrile
Concen: 18.123 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.4	43.4	65.0
67	67.4	54.2	81.2
52	31.6	22.9	34.3

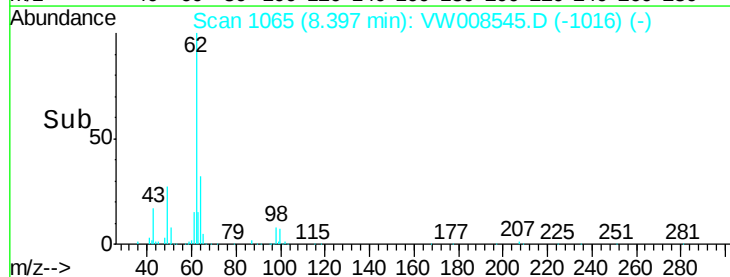
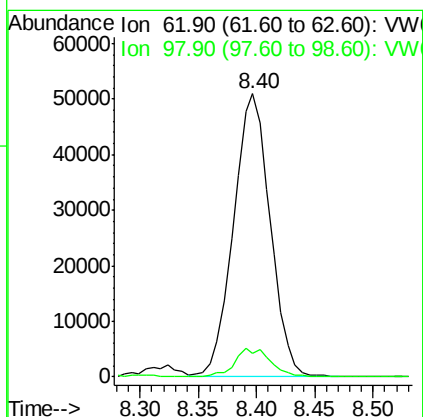
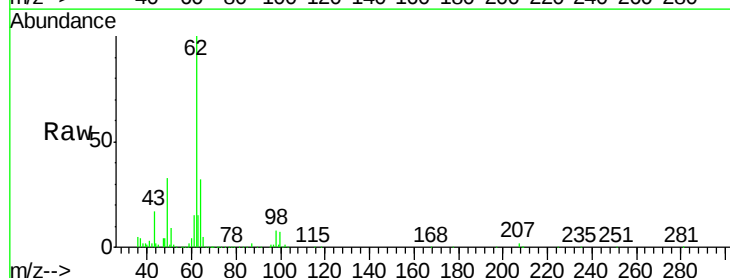
Manual Integrations
APPROVED

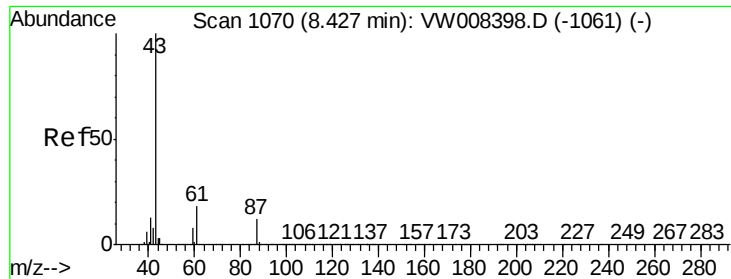
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2/11/2019 12:38:27 PM



#42
1,2-Dichloroethane
Concen: 18.094 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.6





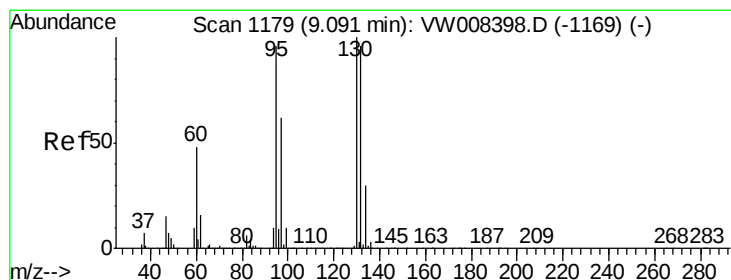
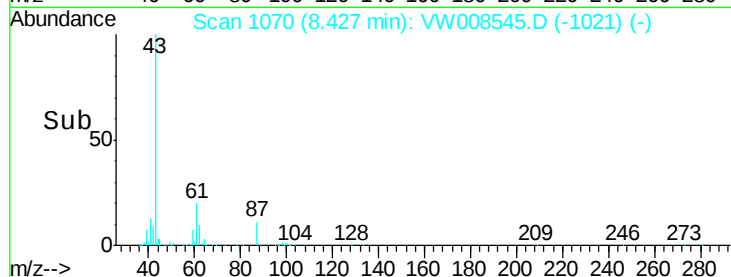
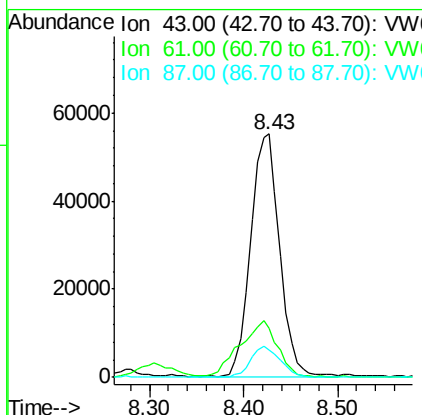
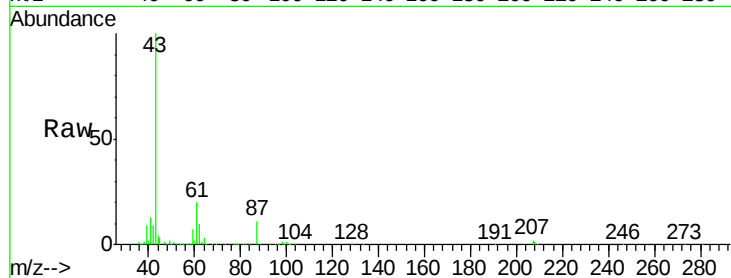
#43
Isopropyl Acetate
Concen: 16.881 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	22.0	33.0
87	13.1	9.3	13.9

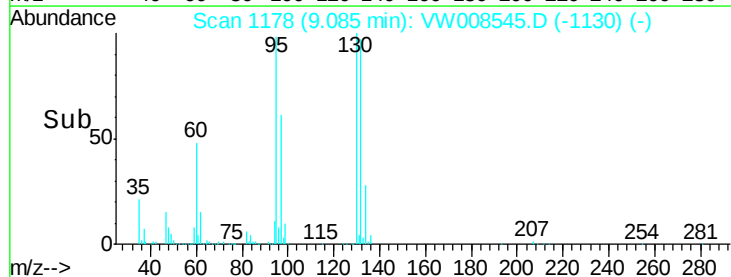
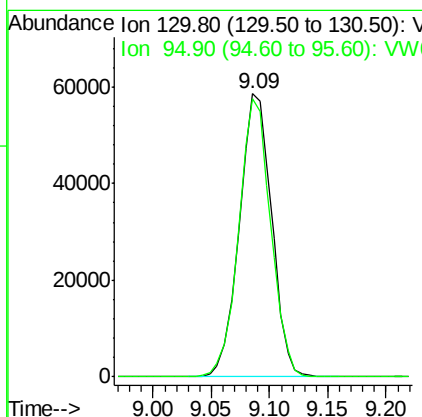
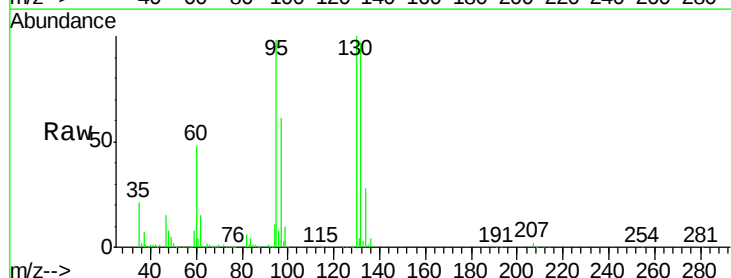
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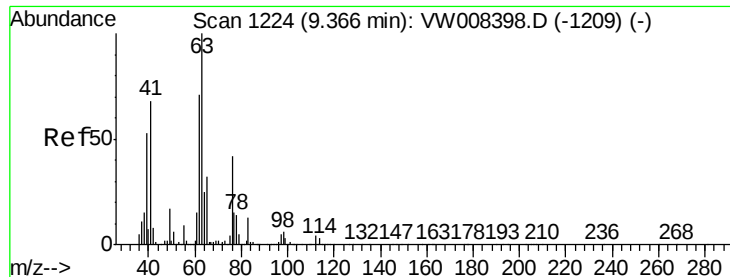
MMDadoda
2/11/2019 12:38:27 PM



#44
Trichloroethene
Concen: 19.659 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	191.6





#45

1,2-Dichloropropane

Concen: 18.395 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion: 63 Resp: 97532

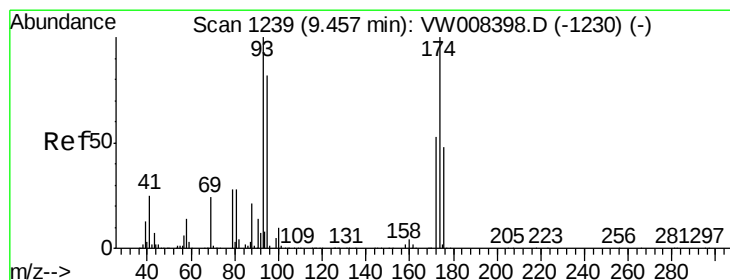
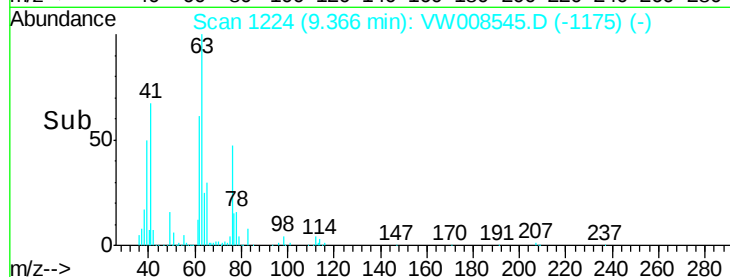
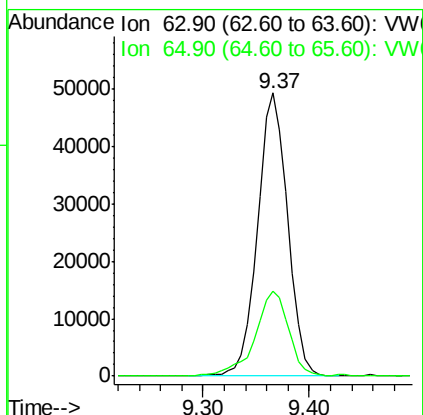
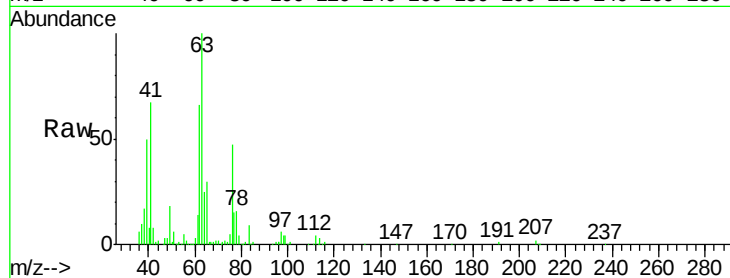
Ion Ratio Lower Upper

63 100

65 29.7 25.2 37.8

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#46

Dibromomethane

Concen: 18.436 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

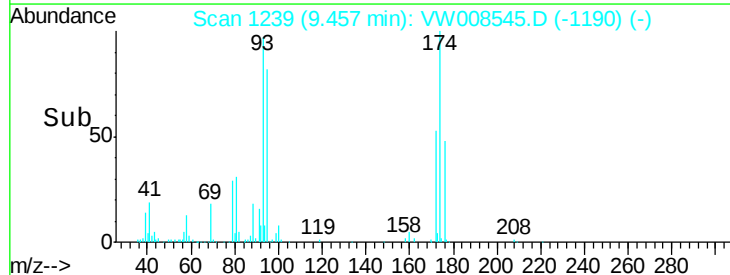
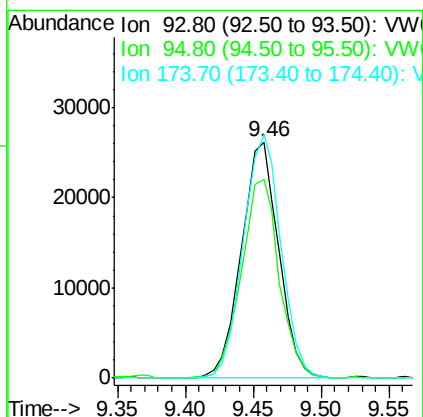
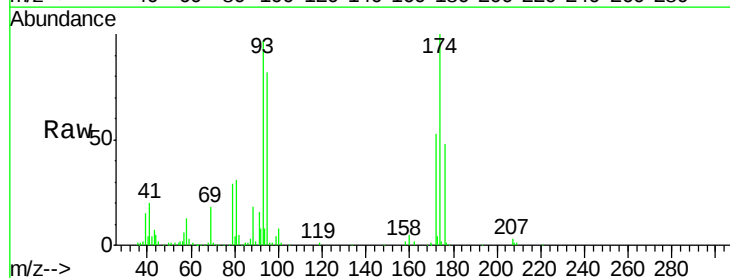
Tgt Ion: 93 Resp: 50278

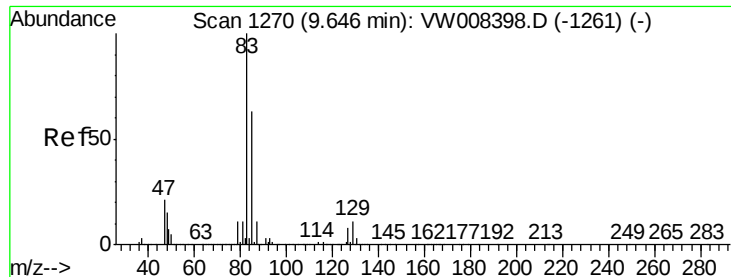
Ion Ratio Lower Upper

93 100

95 85.6 65.9 98.9

174 104.1 81.0 121.6





#47

Bromodichloromethane

Concen: 18.107 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

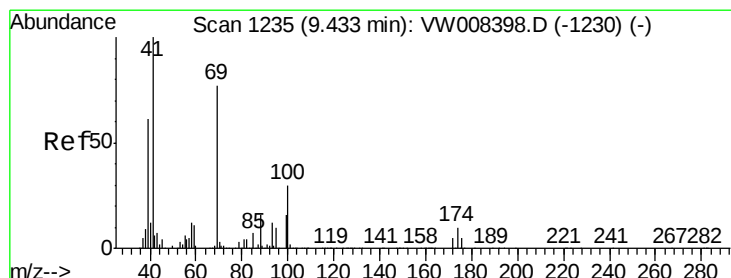
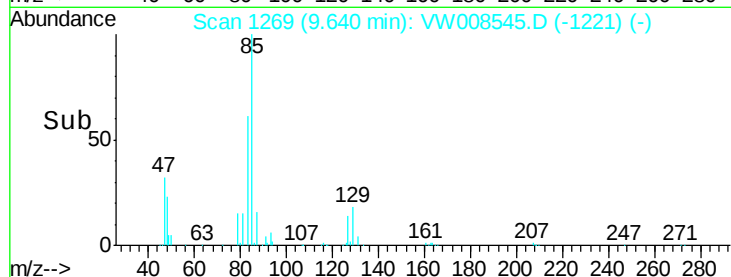
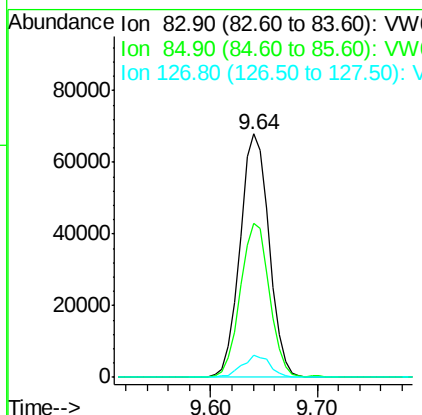
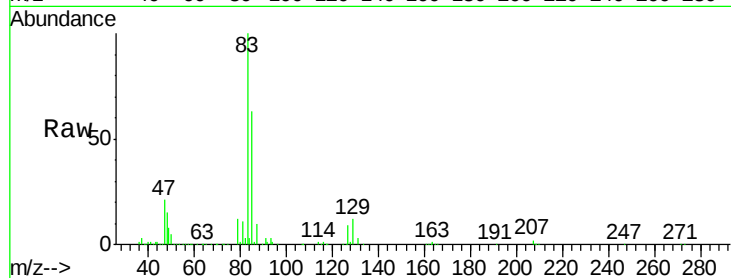
ClientSampleId :

VW0207SBS01

Tot Ion:	83	Resp:	130607
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.8	76.2
127	9.1	6.8	10.2

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#48

Methyl methacrylate

Concen: 15.976 ug/l

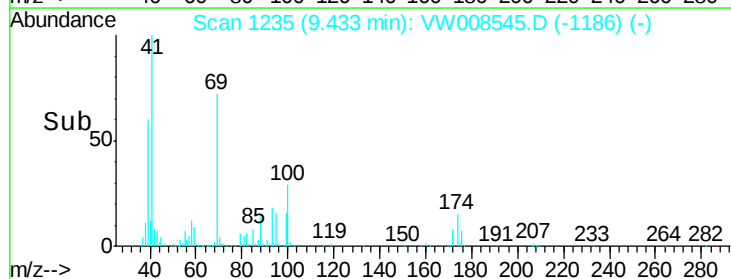
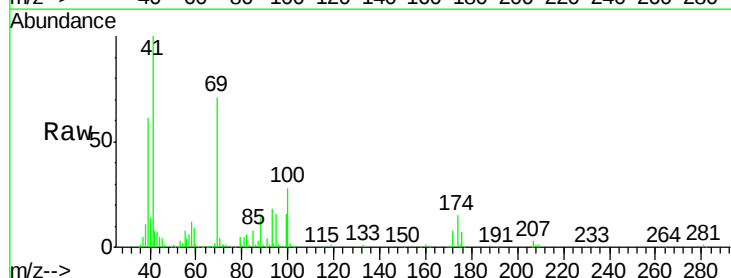
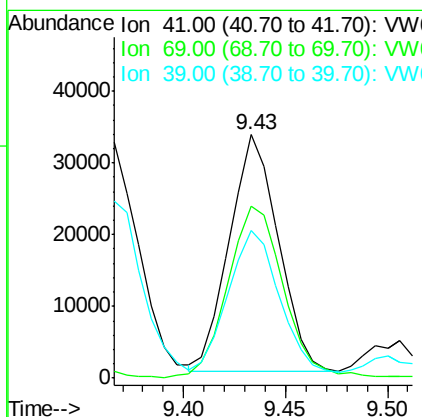
RT: 9.43 min Scan# 1235

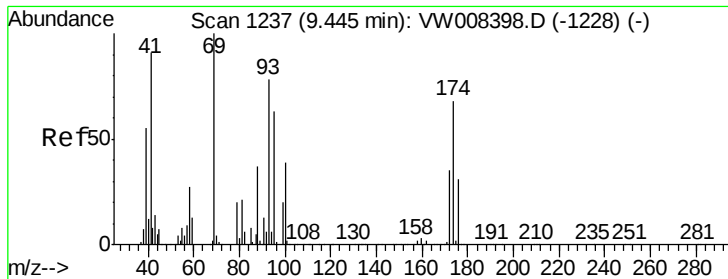
Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Tgt Ion:	41	Resp:	55025
Ion Ratio	Lower	Upper	
41	100		
69	82.3	64.8	97.2
39	62.8	49.1	73.7





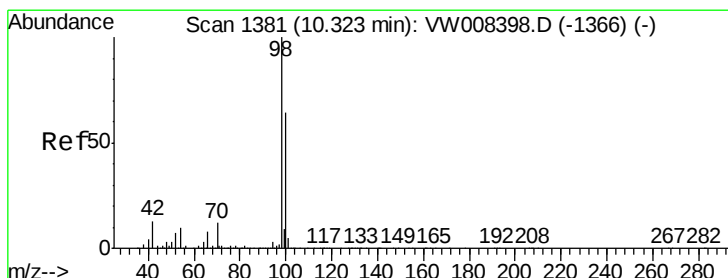
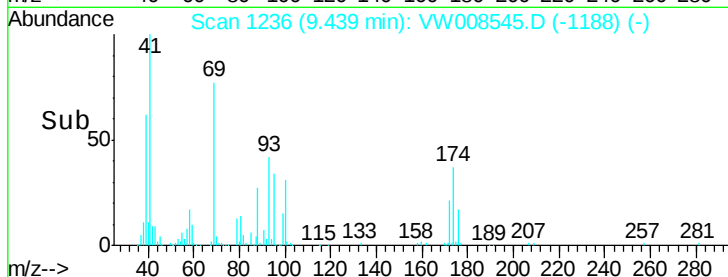
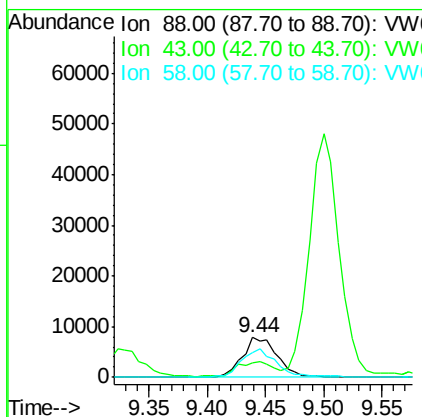
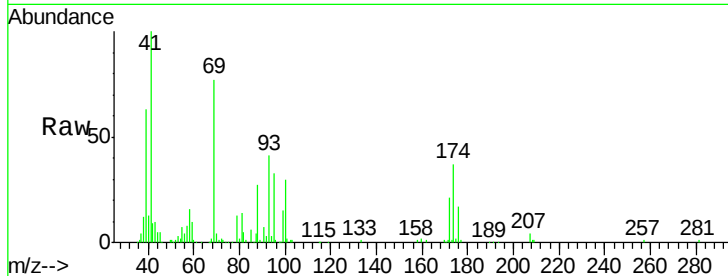
#49
1,4-Dioxane
Concen: 358.879 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	29.0	43.4
58	71.0	56.4	84.6

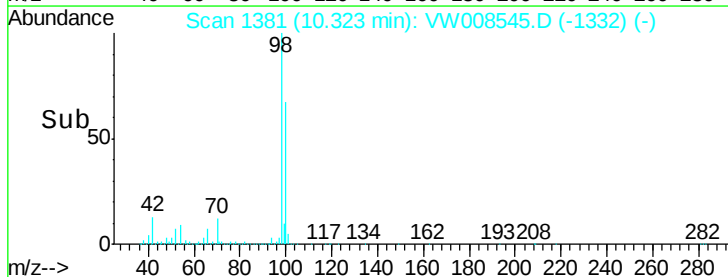
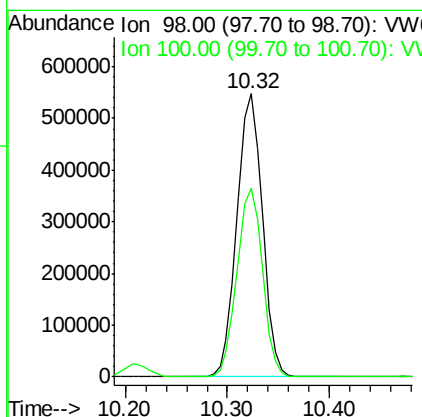
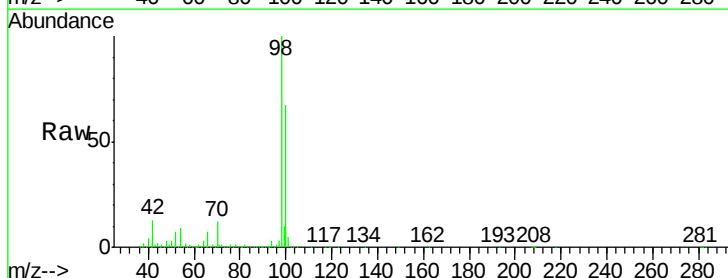
Manual Integrations
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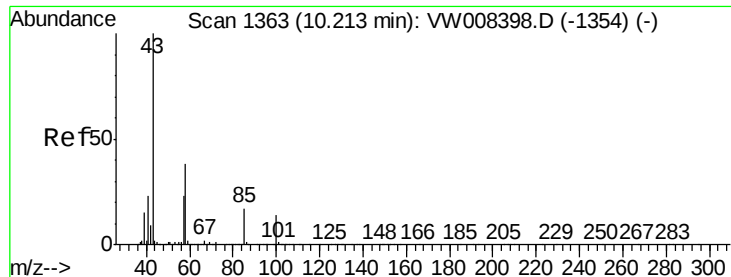
MMDadoda
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#50
Toluene-d8
Concen: 49.816 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 83.572 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion: 43 Resp: 290820

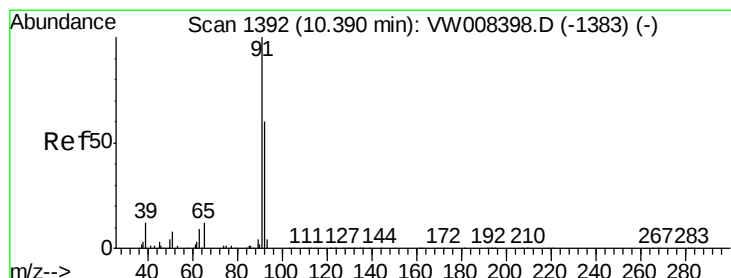
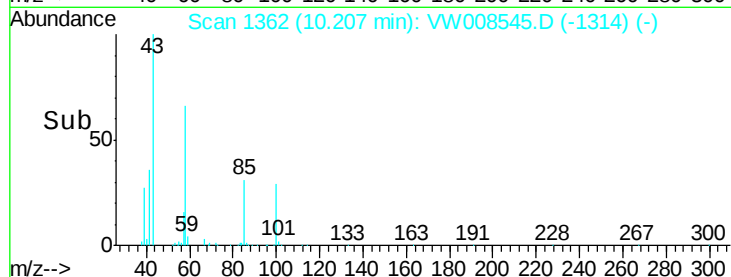
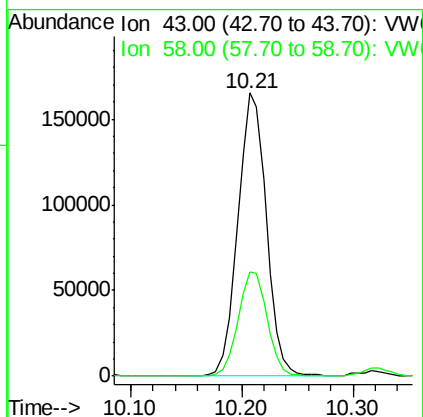
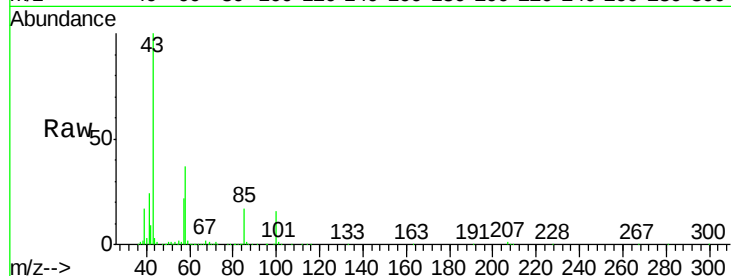
Ion Ratio Lower Upper

43 100

58 37.7 29.7 44.5

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#52

Toluene

Concen: 18.090 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008545.D

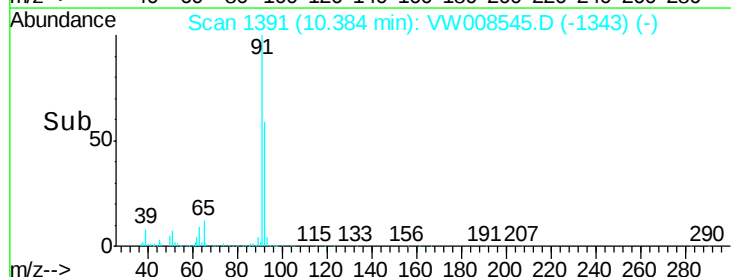
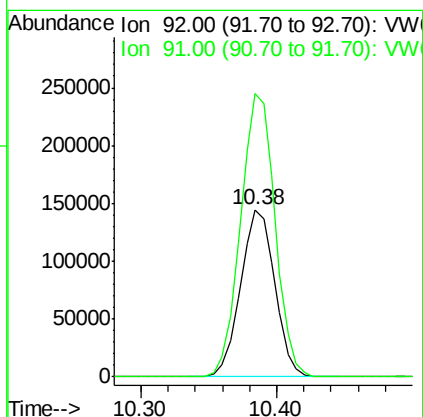
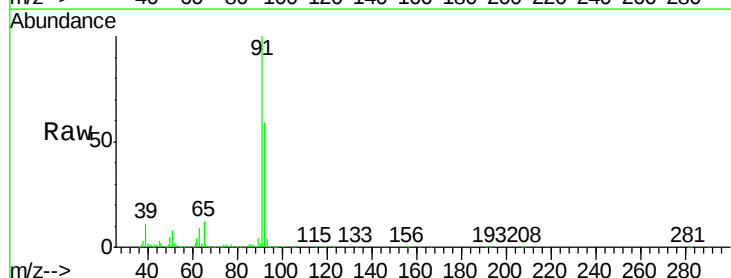
Acq: 07 Feb 2019 11:56

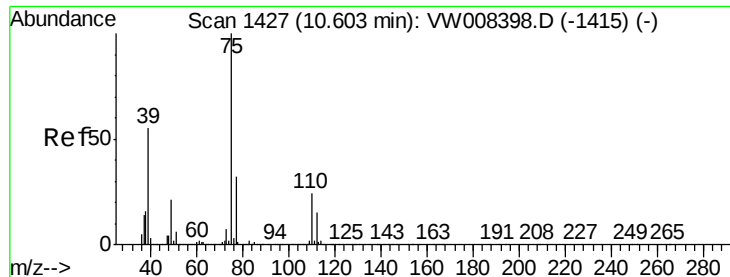
Tgt Ion: 92 Resp: 253935

Ion Ratio Lower Upper

92 100

91 170.6 135.5 203.3





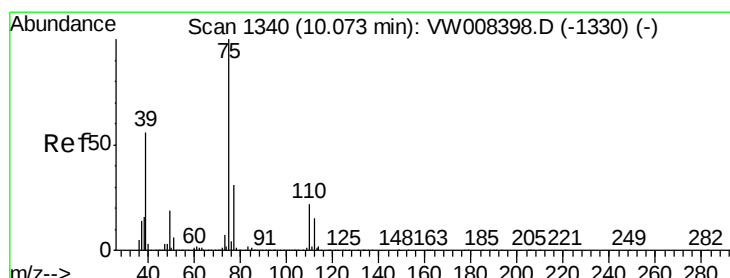
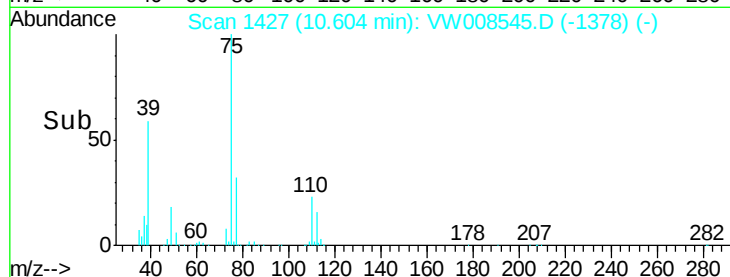
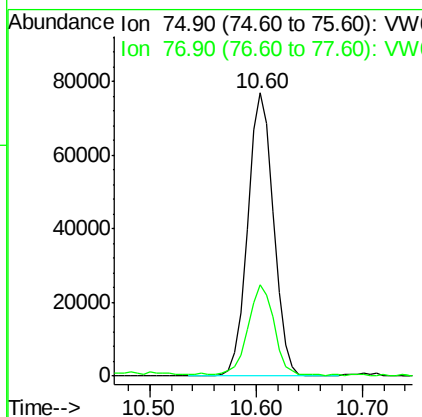
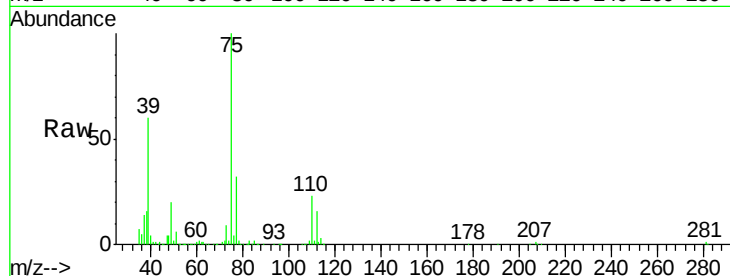
#53
t-1,3-Dichloropropene
Concen: 17.092 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9

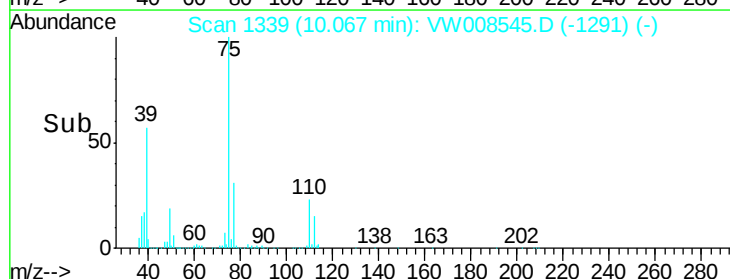
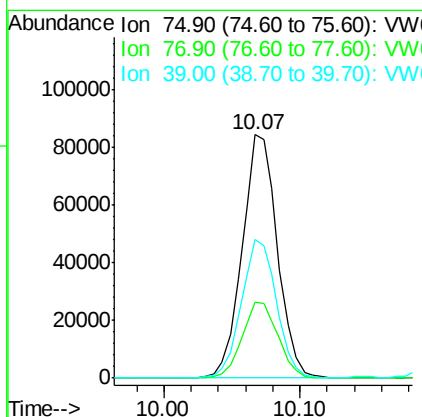
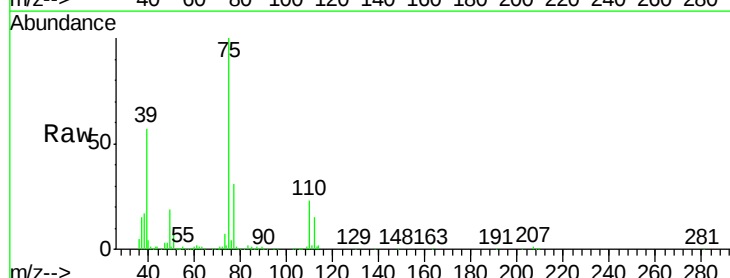
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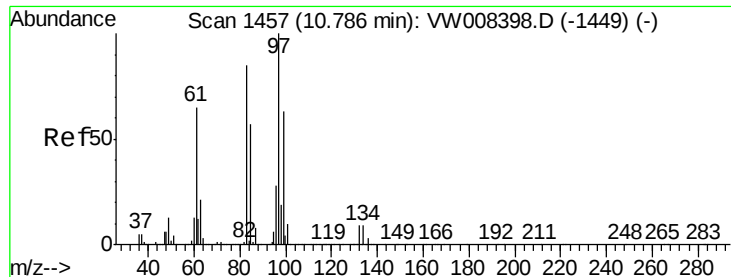
MMDadoda
2/11/2019 12:38:27 PM



#54
cis-1,3-Dichloropropene
Concen: 17.512 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	56.8	44.9	67.3





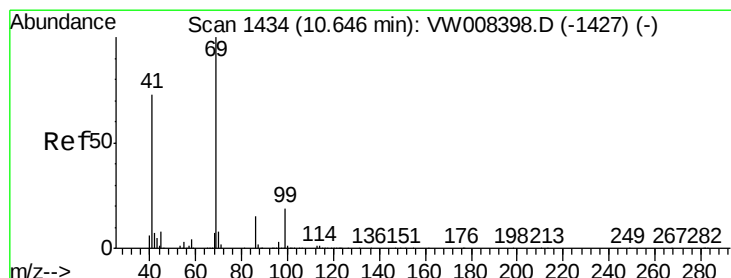
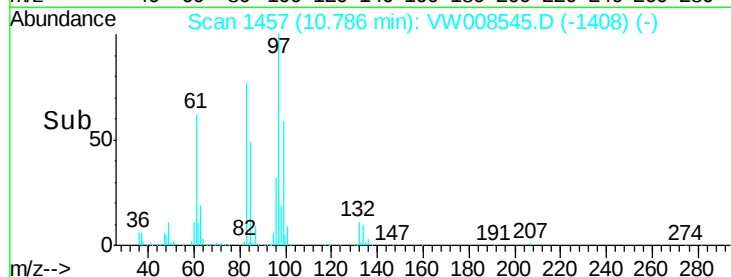
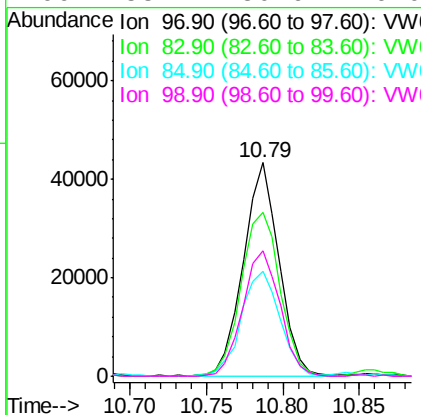
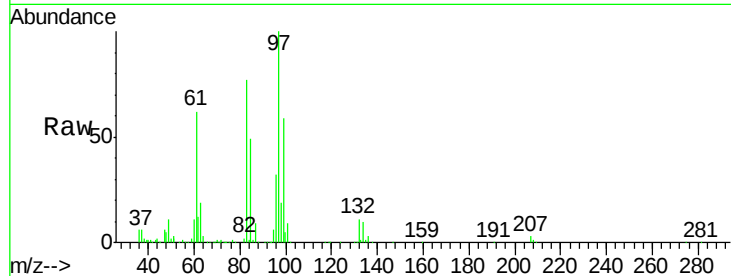
#55
 1,1,2-Trichloroethane
 Concen: 18.607 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0207SBS01

Tot Ion:	97	Resp:	70384
Ion	Ratio	Lower	Upper
97	100		
83	77.0	68.4	102.6
85	49.2	45.3	67.9
99	58.7	50.6	76.0

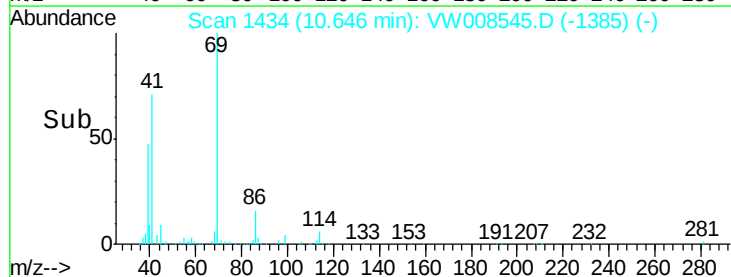
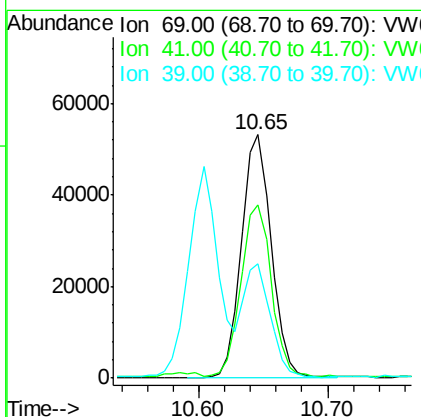
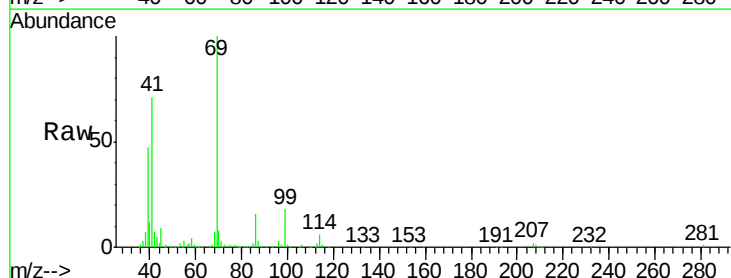
Manual Integrations
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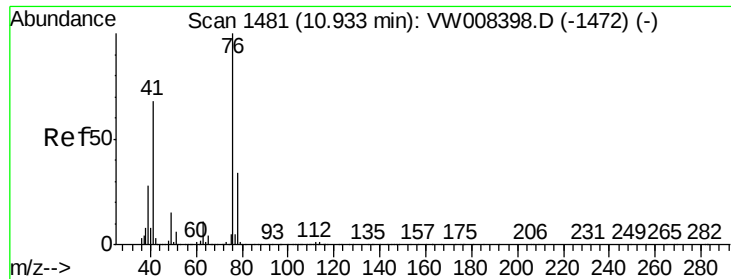
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#56
 Ethyl methacrylate
 Concen: 16.101 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Tgt Ion:	69	Resp:	85341
Ion	Ratio	Lower	Upper
69	100		
41	71.1	58.7	88.1
39	41.8	32.6	48.8





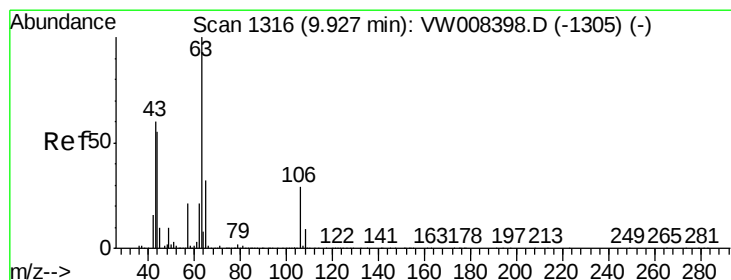
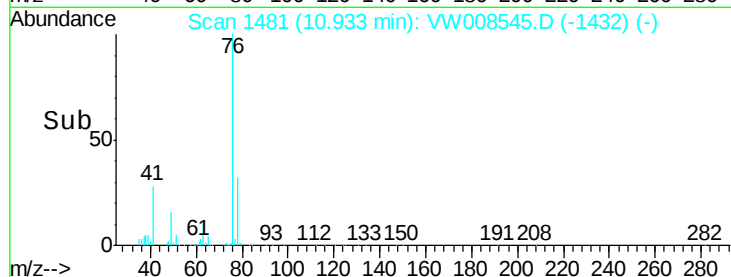
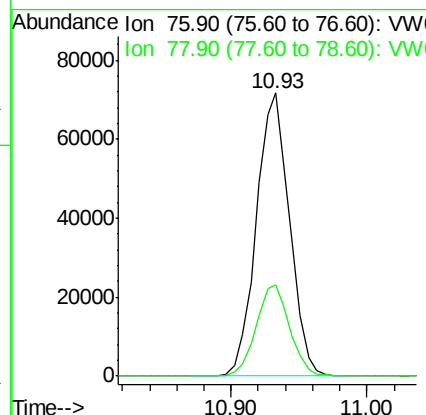
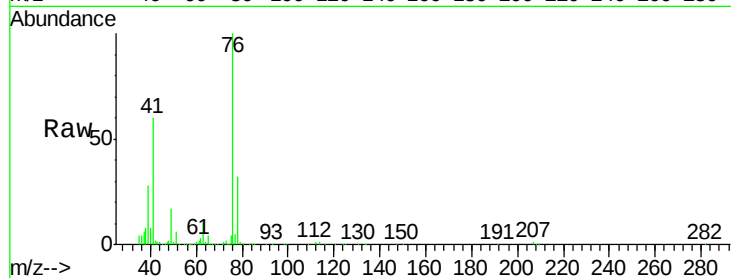
#57
 1,3-Dichloropropane
 Concen: 18.043 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0207SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

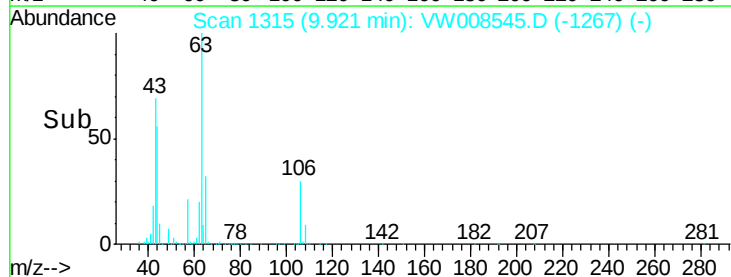
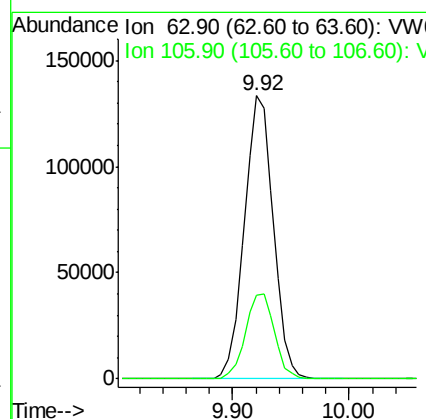
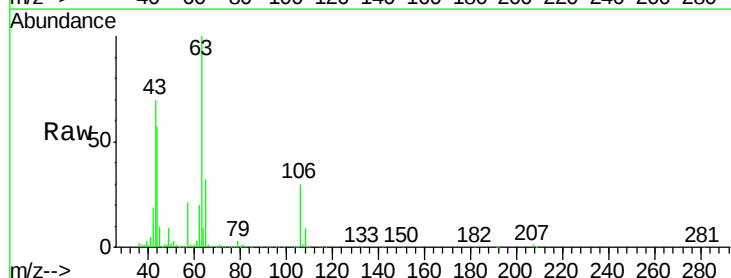
Manual Integrations
 APPROVED

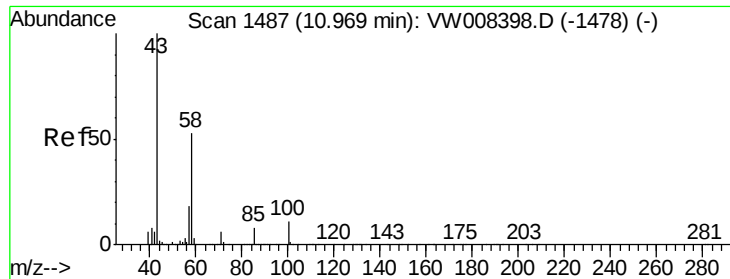
MMDadoda
 2/11/2019 12:38:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.032 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	22.4	33.6





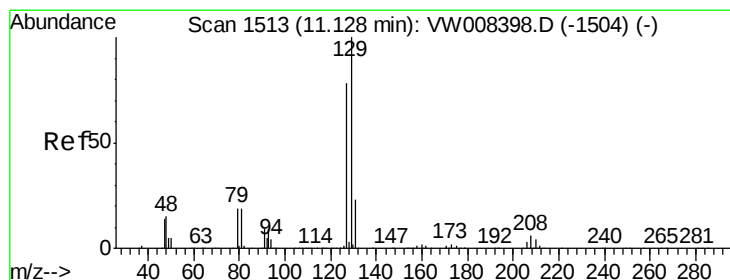
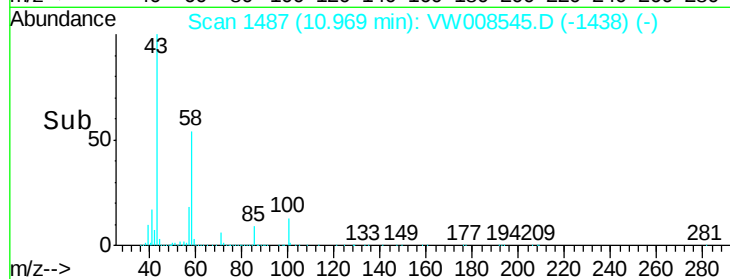
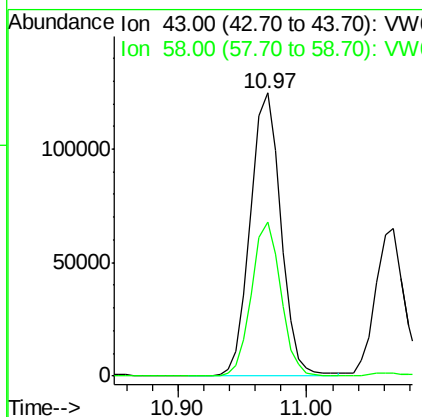
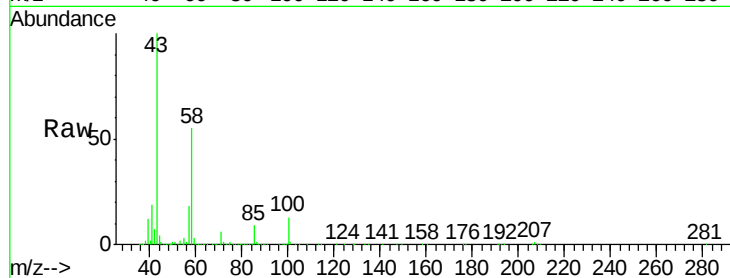
#59
2-Hexanone
Concen: 82.740 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampled :
VW0207SBS01

Tot Ion: 43 Resp: 203263
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.7

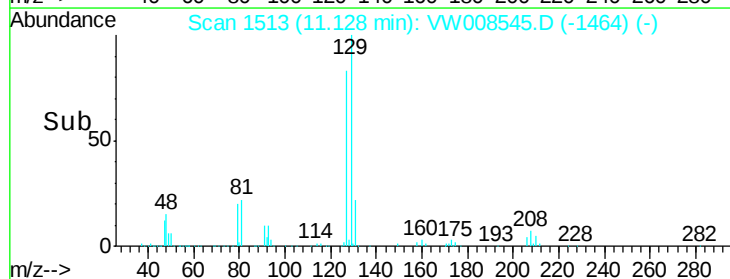
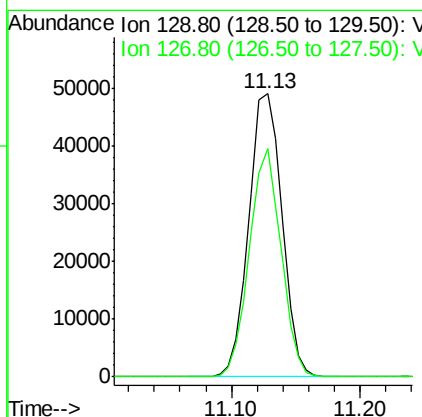
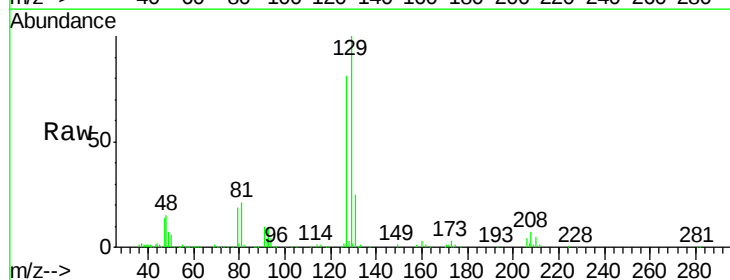
Manual Integrations
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2/11/2019 12:38:27 PM



#60
Dibromochloromethane
Concen: 18.033 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion: 129 Resp: 87659
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.2





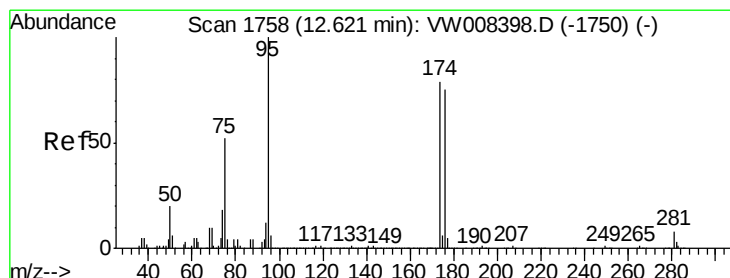
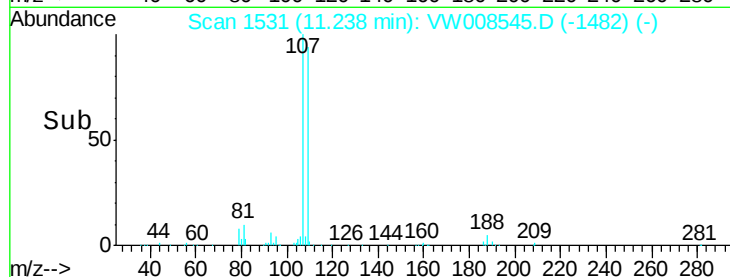
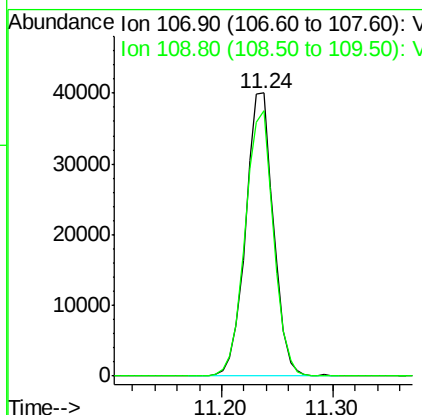
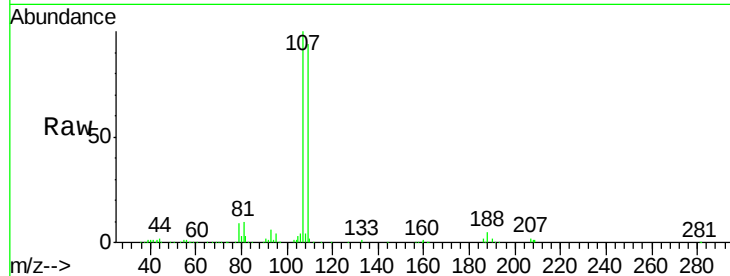
#61
 1,2-Dibromoethane
 Concen: 18.534 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0207SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.0	112.4

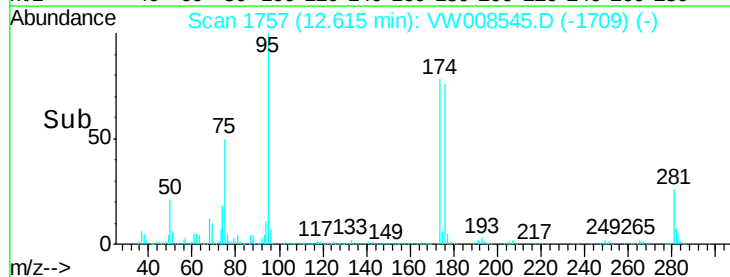
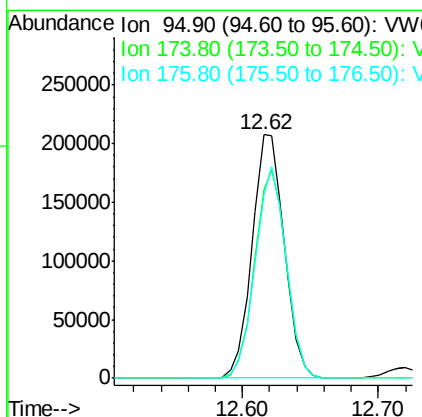
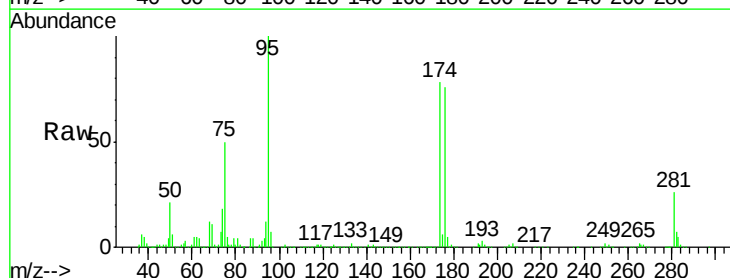
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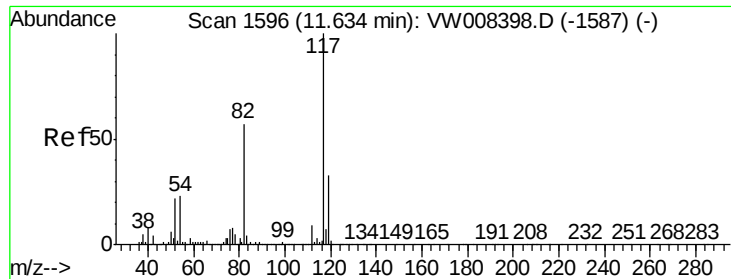
MMDadoda
 2/11/2019 12:38:27 PM



#62
 4-Bromofluorobenzene
 Concen: 47.110 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	157.6
176	83.6	0.0	151.8





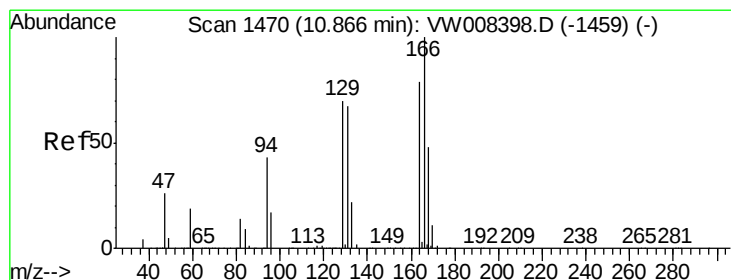
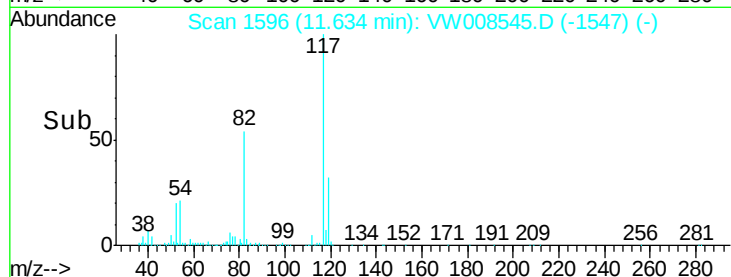
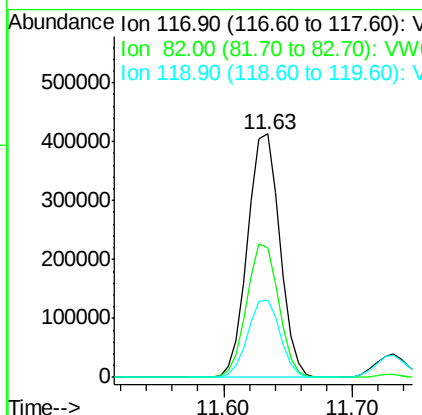
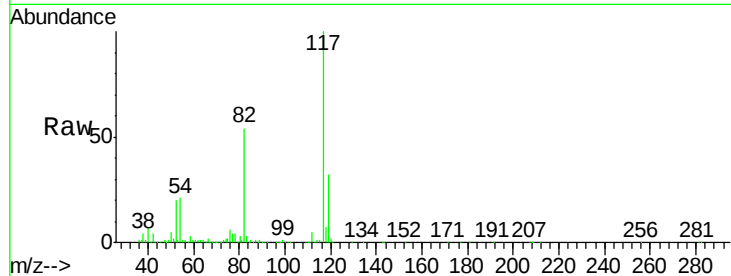
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	712912		
82	53.5		45.4	68.0
119	31.9		26.2	39.4

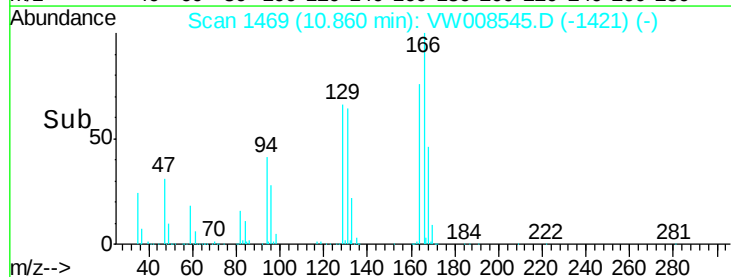
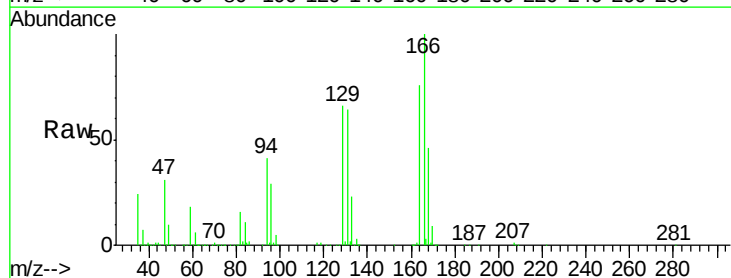
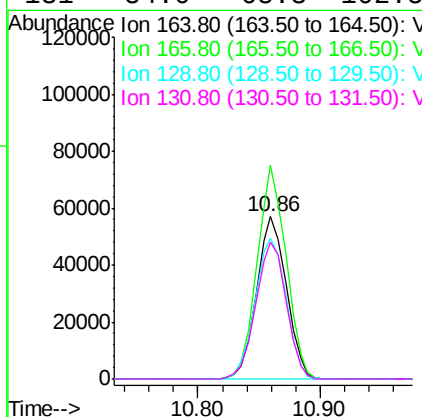
Manual Integrations
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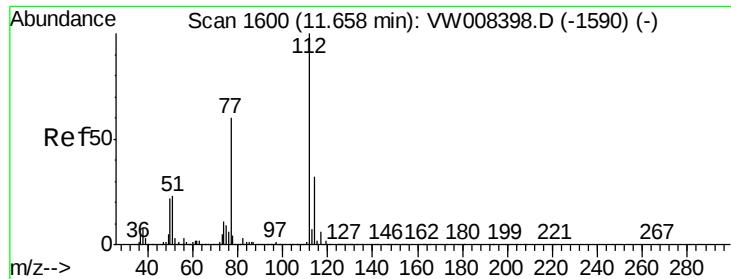
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#64
Tetrachloroethene
Concen: 20.173 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97372		
166	131.5		101.4	152.0
129	86.9		71.0	106.6
131	84.0		68.3	102.5





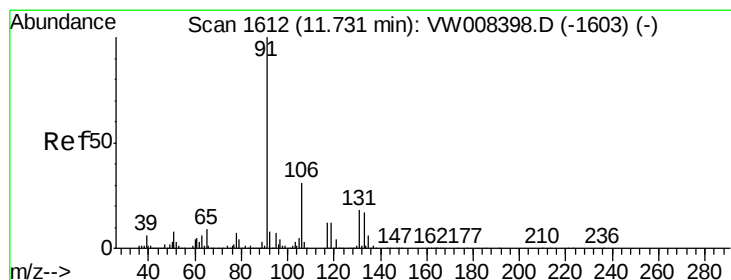
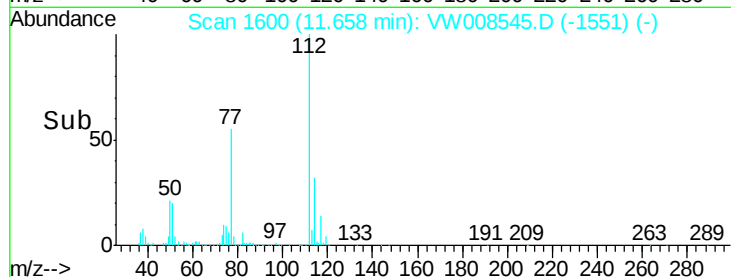
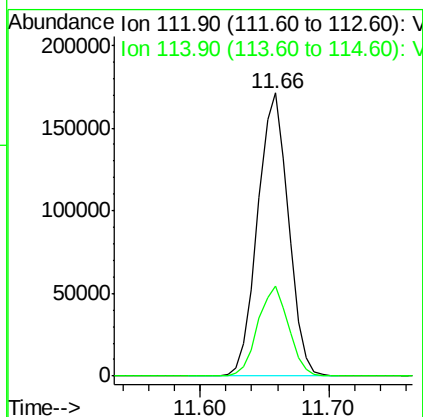
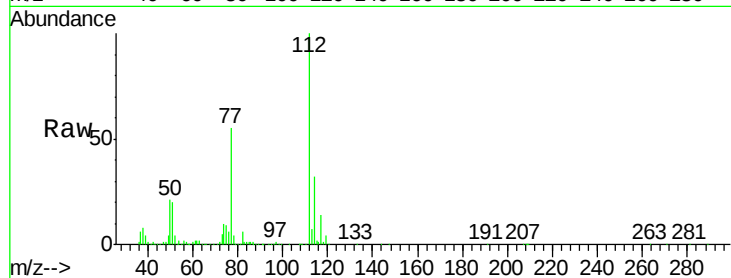
#65
Chlorobenzene
Concen: 19.404 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion:112 Resp: 282392
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

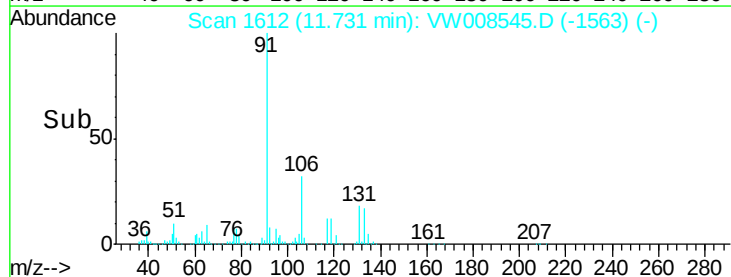
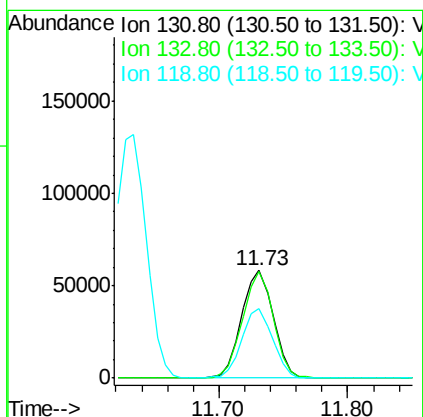
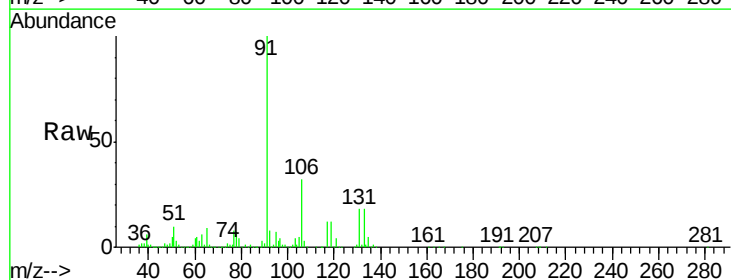
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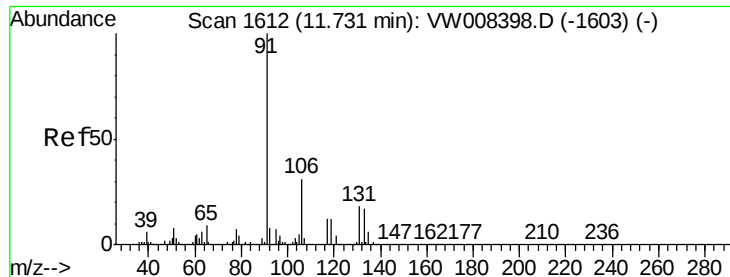
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.009 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion:131 Resp: 98975
Ion Ratio Lower Upper
131 100
133 96.0 47.0 141.2
119 63.3 32.1 96.3





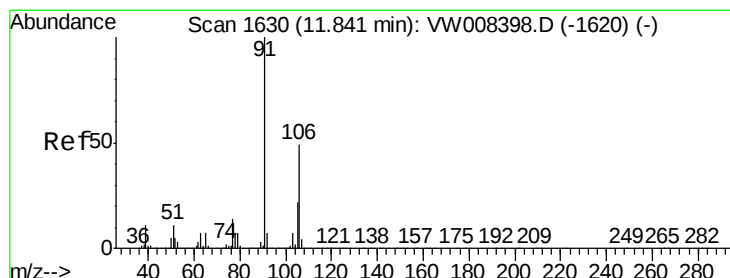
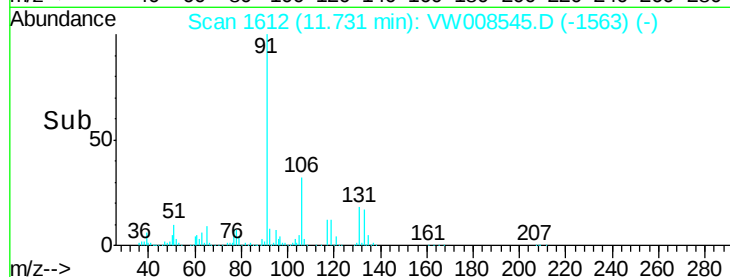
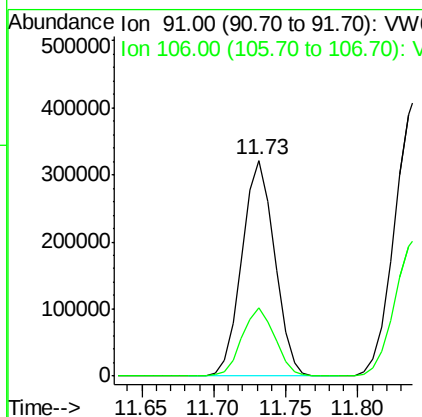
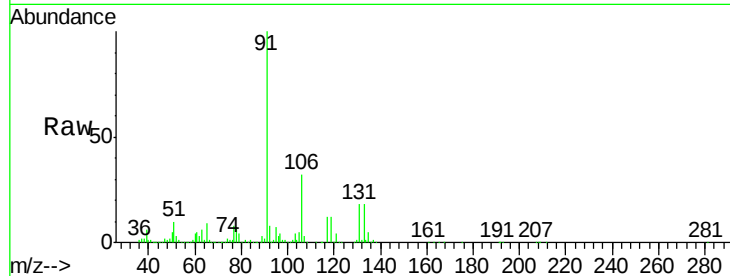
#67
Ethyl Benzene
Concen: 18.932 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion: 91 Resp: 506453
Ion Ratio Lower Upper
91 100
106 31.6 24.7 37.1

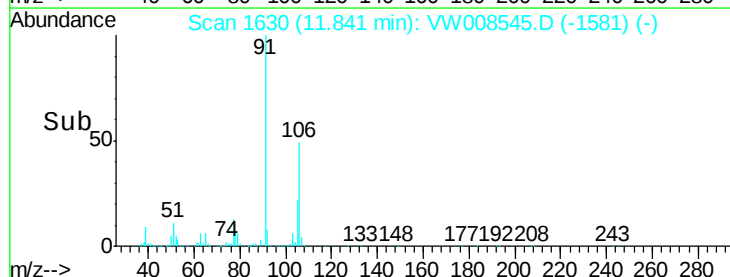
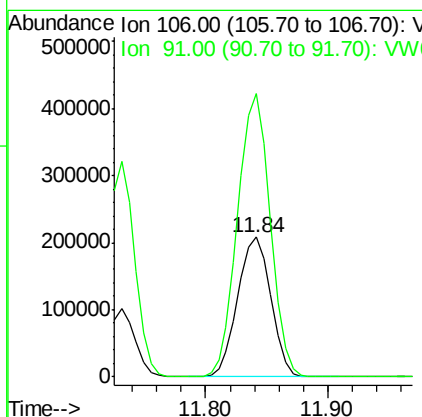
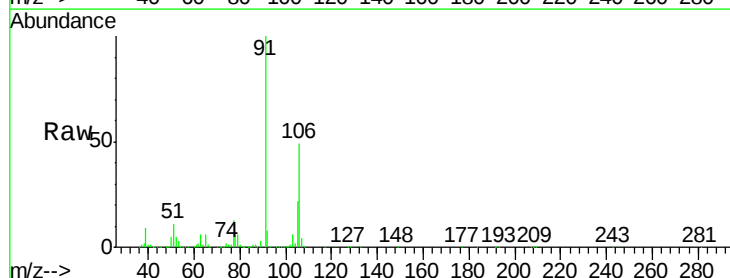
Manual Integrations
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#68
m/p-Xylenes
Concen: 37.847 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion: 106 Resp: 392818
Ion Ratio Lower Upper
106 100
91 198.8 162.9 244.3





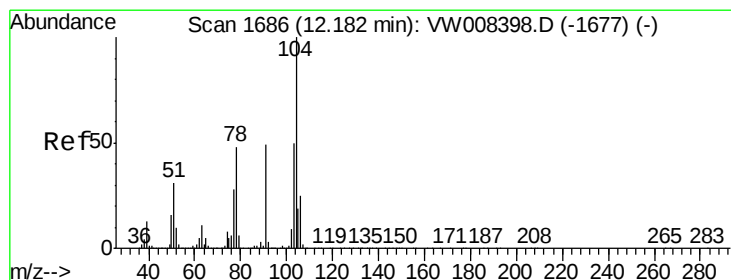
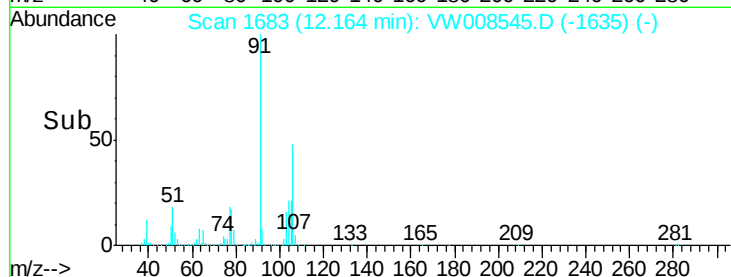
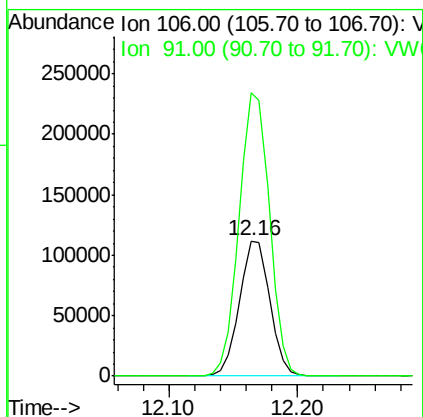
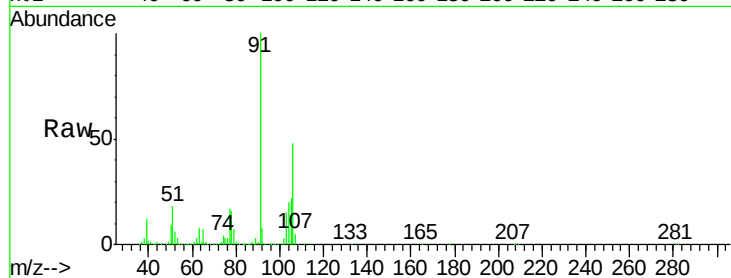
#69
o-Xylene
Concen: 18.571 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampled :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.7	107.5	322.4

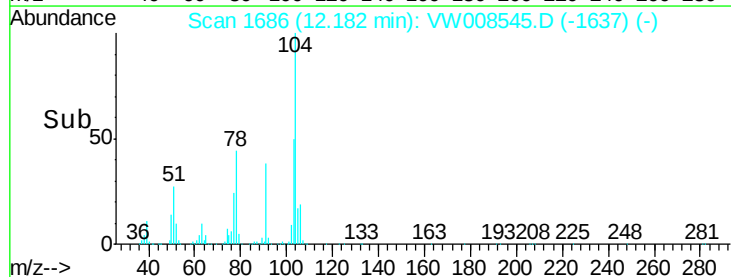
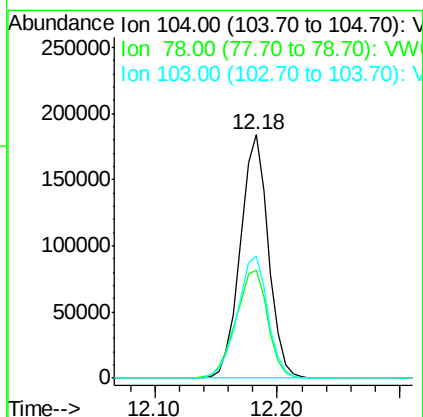
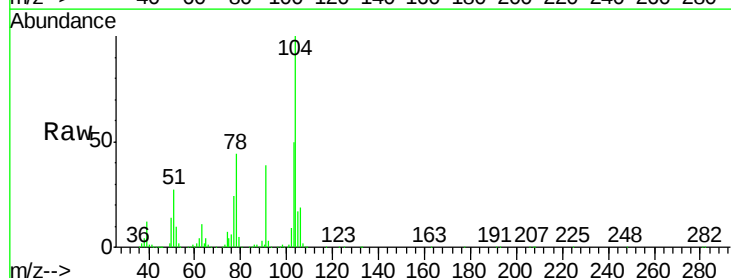
Manual Integrations
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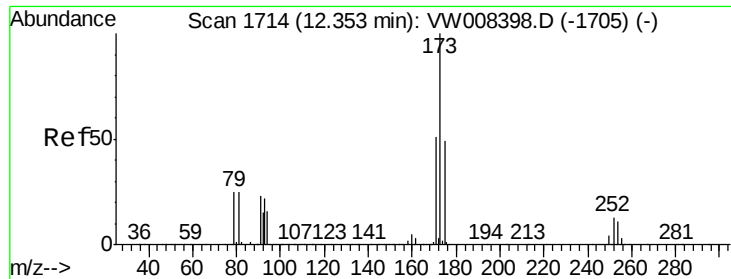
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#70
Styrene
Concen: 17.922 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.5	42.4	63.6
103	54.5	43.4	65.0





#71

Bromoform

Concen: 17.018 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

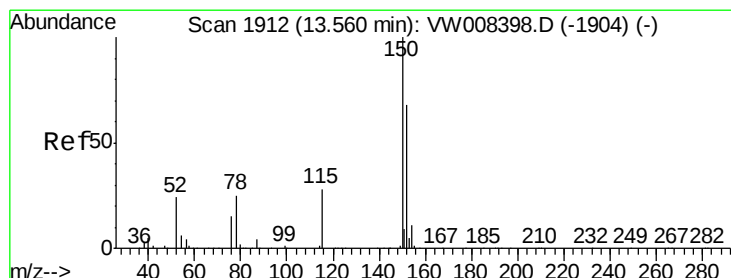
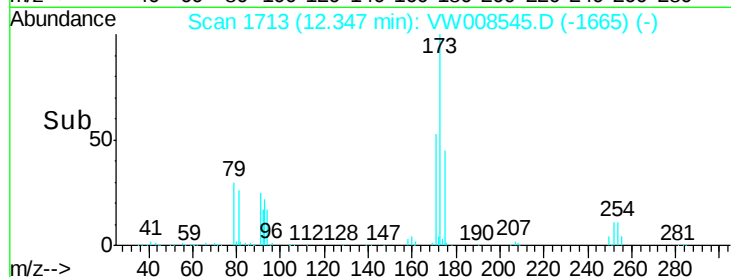
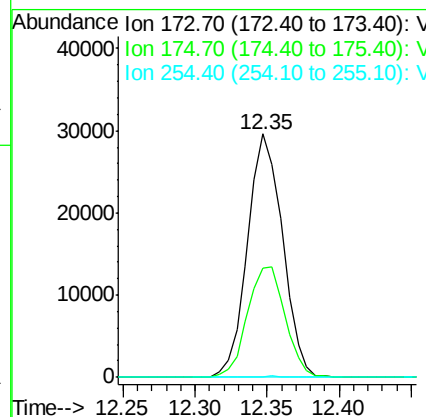
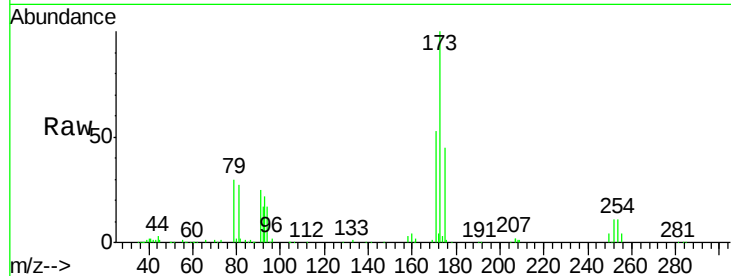
ClientSampleId :

VW0207SBS01

Tot Ion:	173	Resp:	49854
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.4	73.4
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

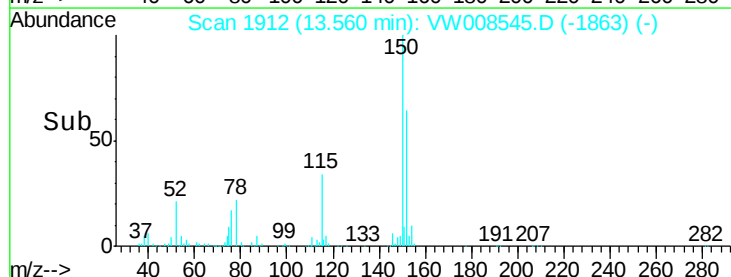
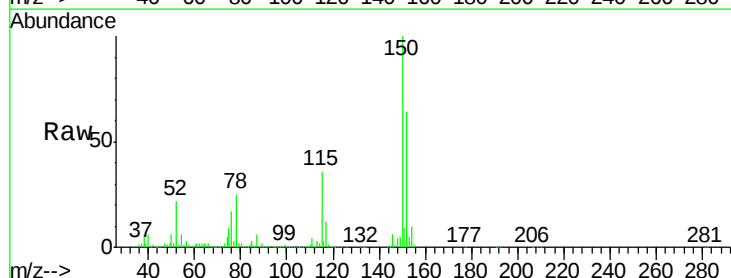
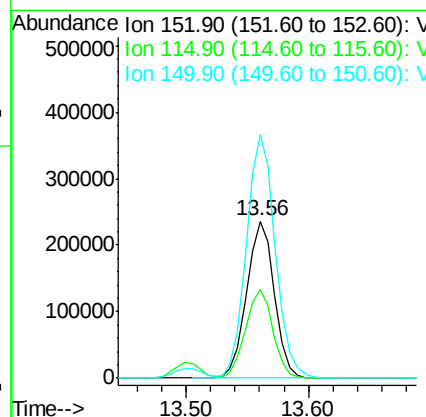
RT: 13.56 min Scan# 1912

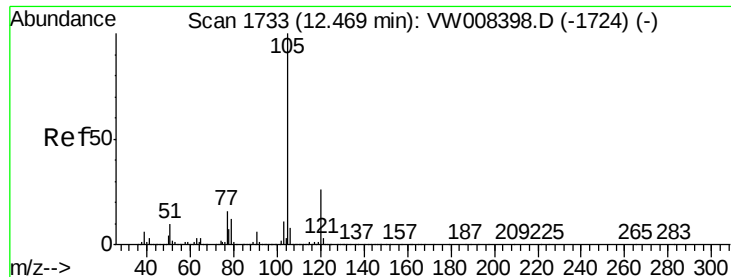
Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Tgt Ion:	152	Resp:	368273
Ion Ratio	Lower	Upper	
152	100		
115	56.1	29.9	89.7
150	162.2	0.0	351.4





#73

Isopropylbenzene

Concen: 18.745 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion: 105 Resp: 514651

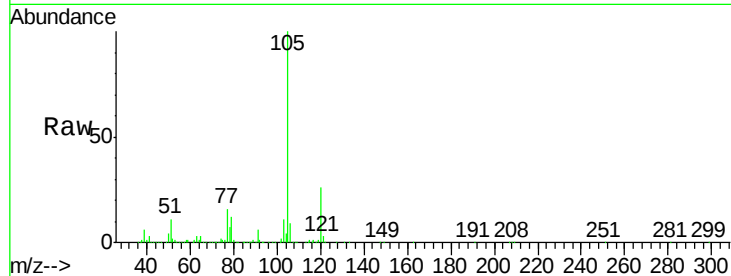
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

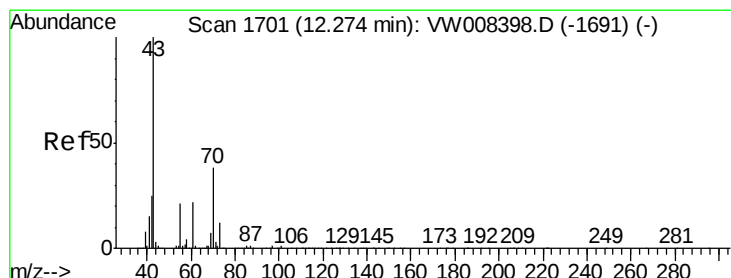
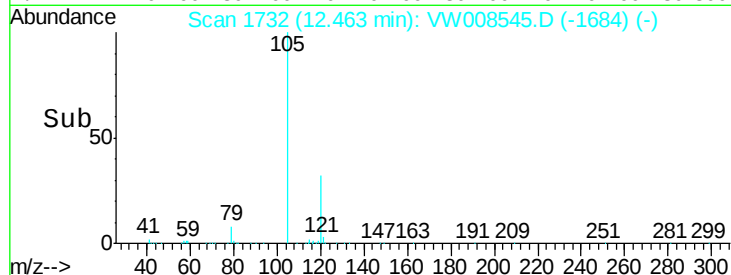
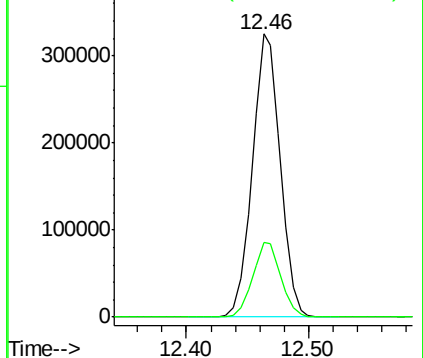
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.966 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Tgt Ion: 43 Resp: 112924

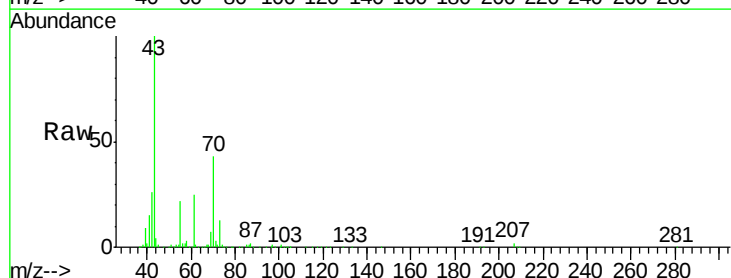
Ion Ratio Lower Upper

43 100

70 41.1 31.0 46.6

55 22.2 17.4 26.2

61 23.0 18.2 27.4

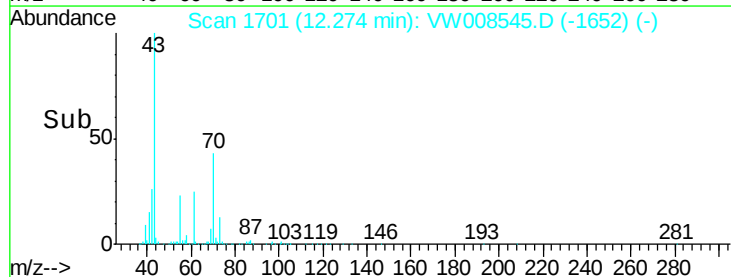
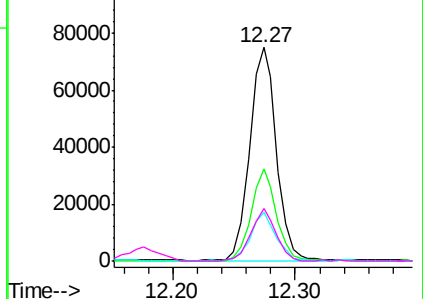


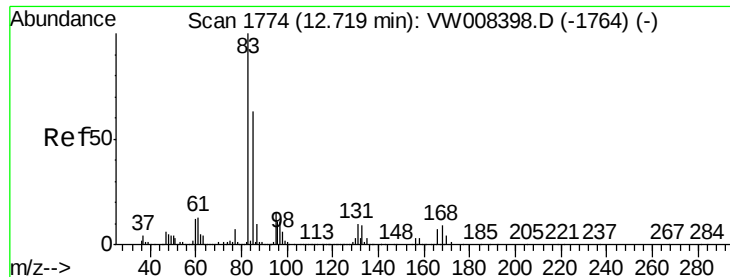
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.019 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

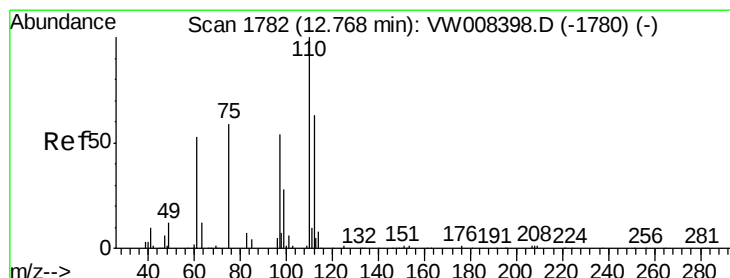
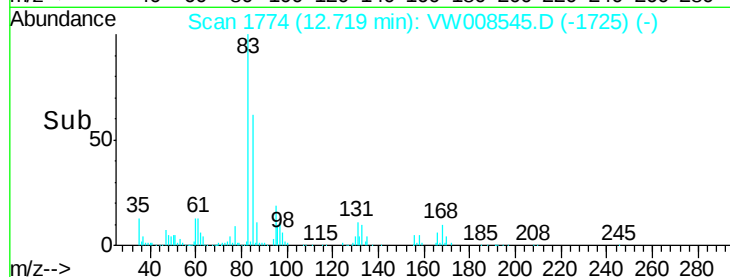
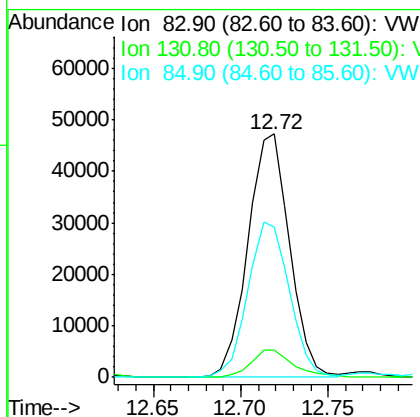
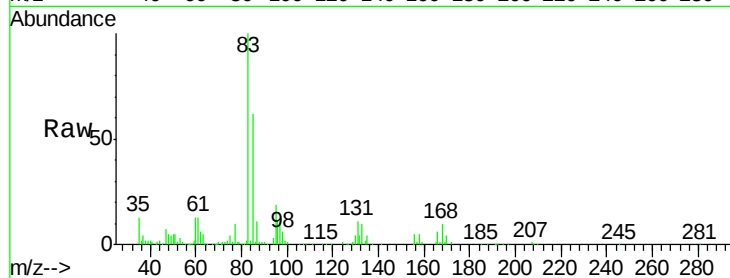
ClientSampleId :

VW0207SBS01

Tot Ion:	83	Resp:	78324
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.5	16.4
85	63.9	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.451 ug/l m

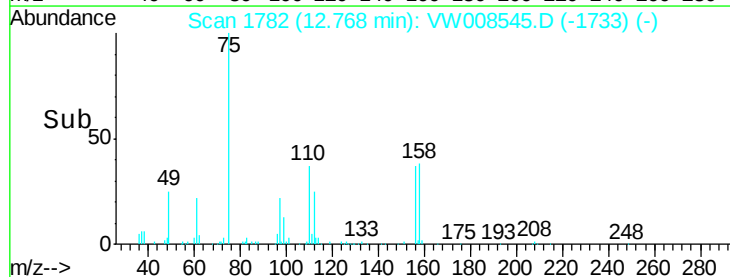
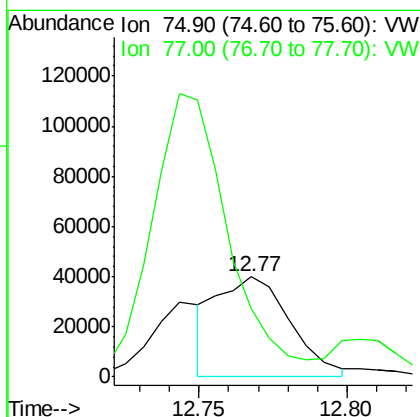
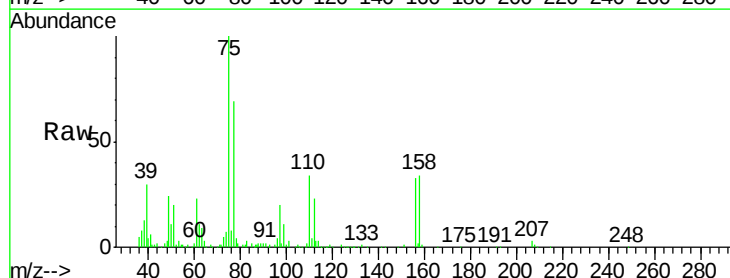
RT: 12.77 min Scan# 1782

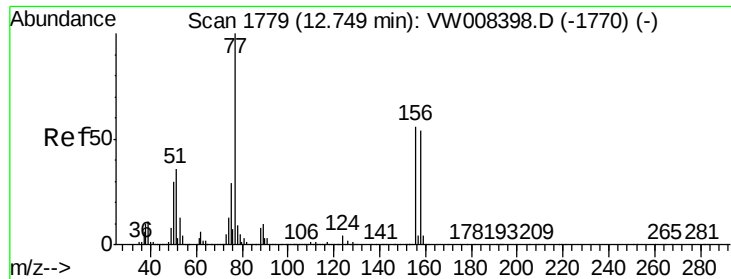
Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Tgt Ion:	75	Resp:	68683
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





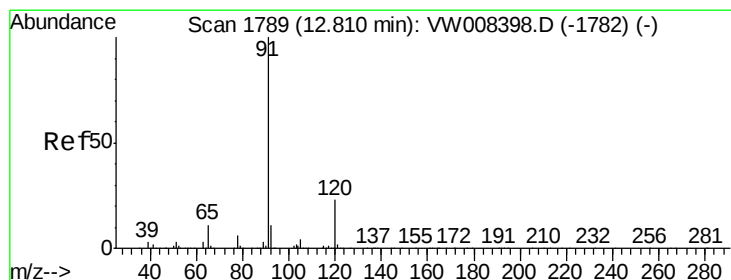
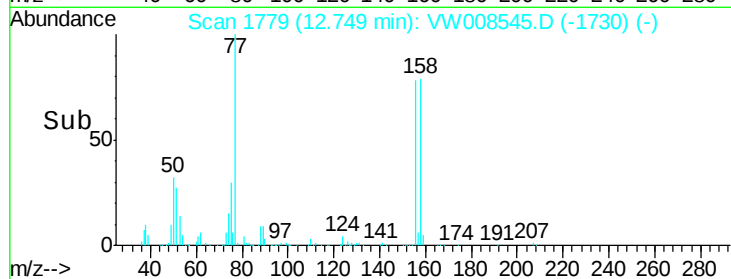
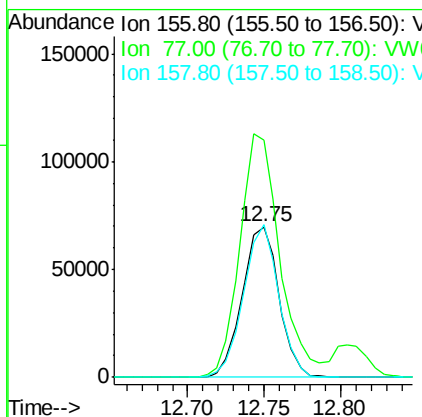
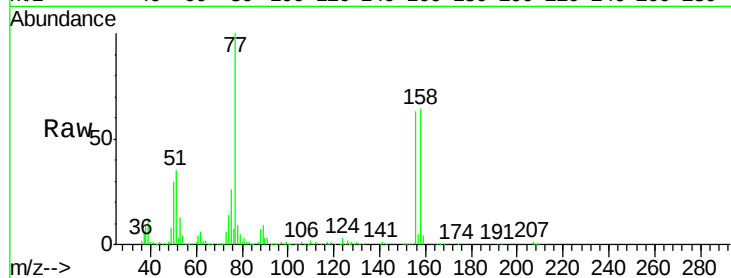
#77
Bromobenzene
Concen: 19.447 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.8	96.9	290.7
158	97.1	48.8	146.4

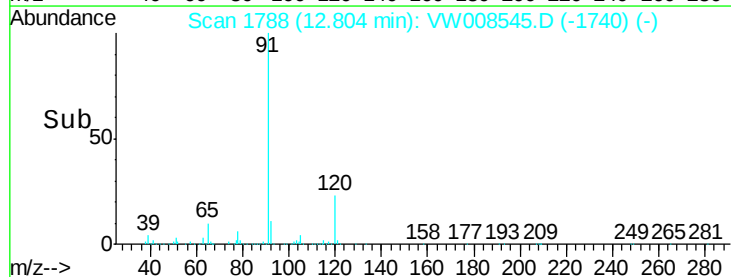
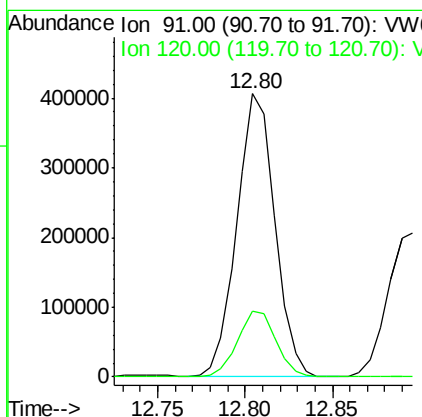
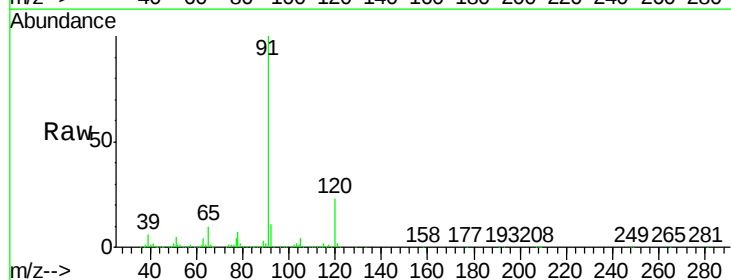
Manual Integrations
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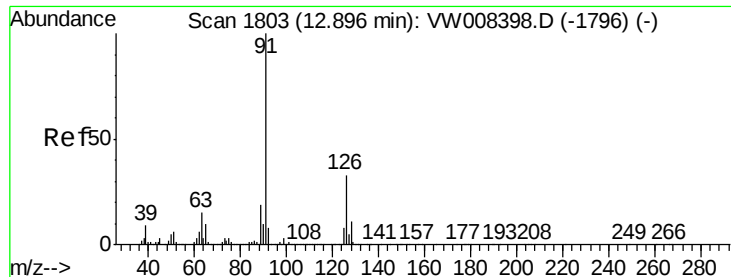
MMDadoda
2/11/2019 12:38:27 PM



#78
n-propylbenzene
Concen: 18.599 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.4	34.1





#79

2-Chlorotoluene

Concen: 18.210 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion: 91 Resp: 338845

Ion Ratio Lower Upper

91 100

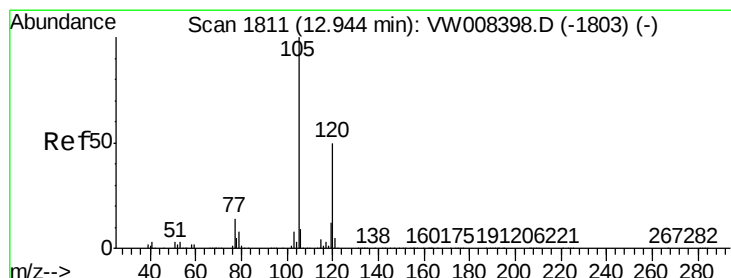
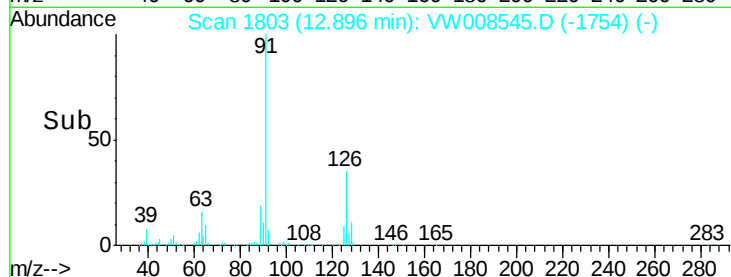
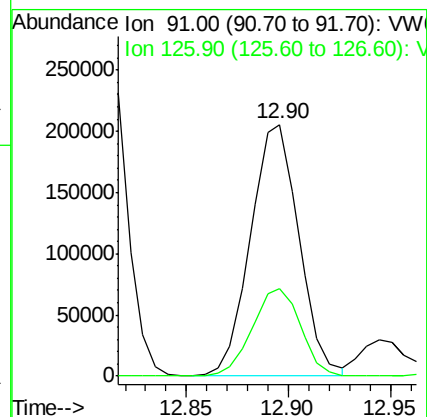
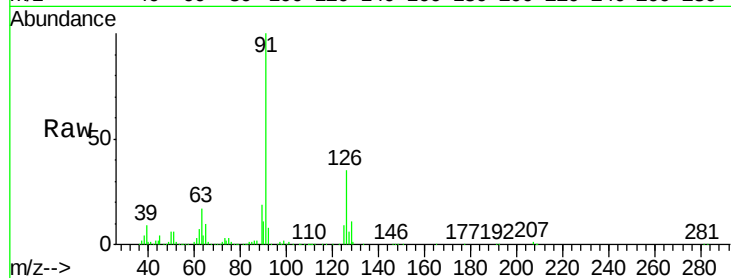
126 34.8 16.5 49.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.546 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008545.D

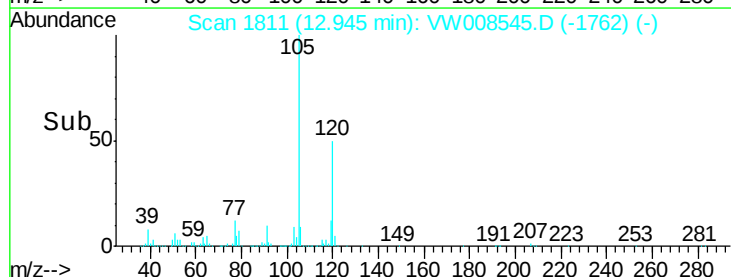
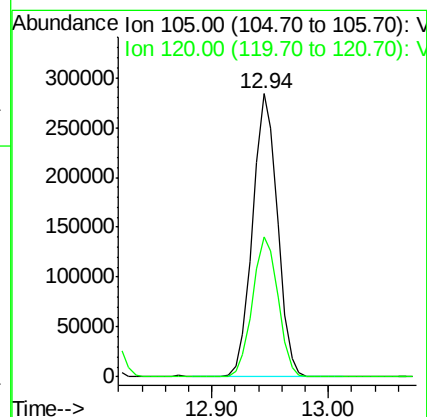
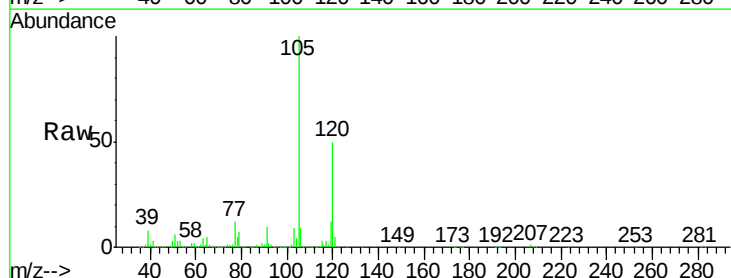
Acq: 07 Feb 2019 11:56

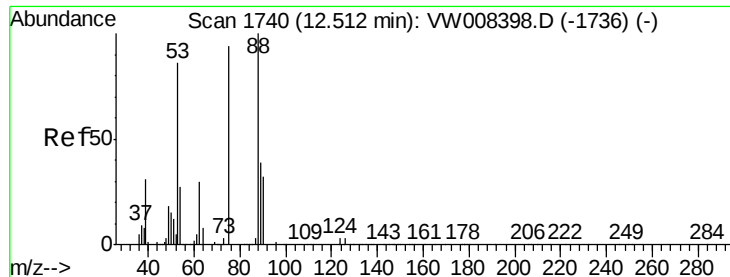
Tgt Ion: 105 Resp: 425590

Ion Ratio Lower Upper

105 100

120 50.8 24.6 73.8





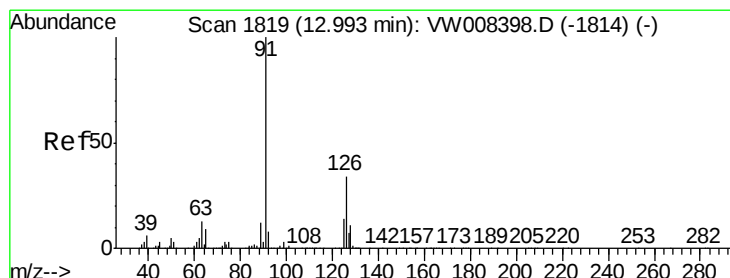
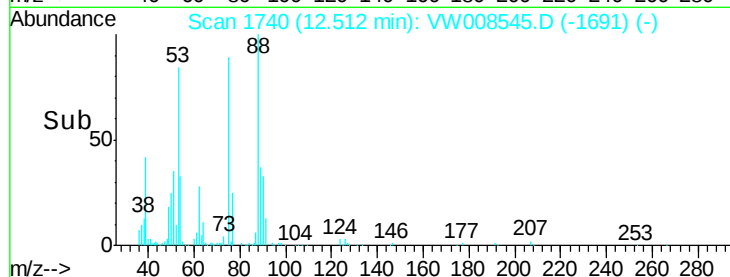
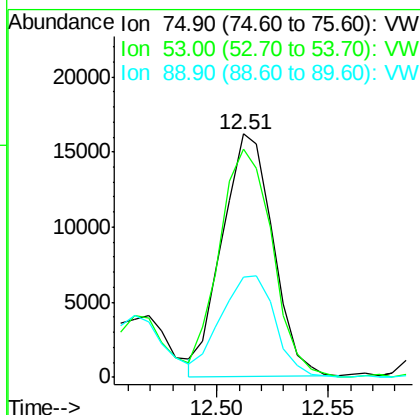
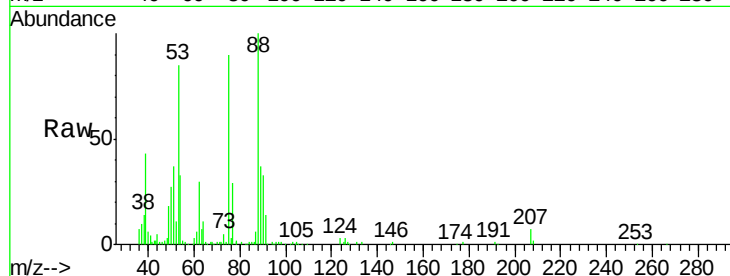
#81
trans-1,4-Dichloro-2-butene
Concen: 15.743 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.1	76.0	114.0
89	45.2	35.4	53.0

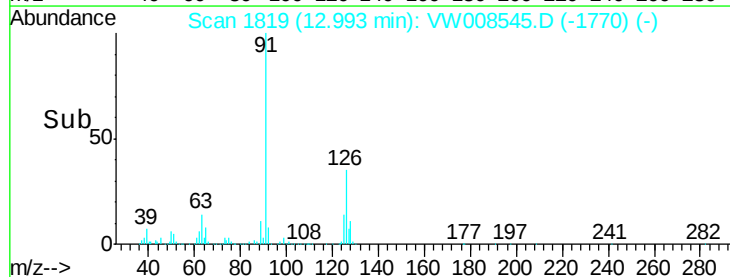
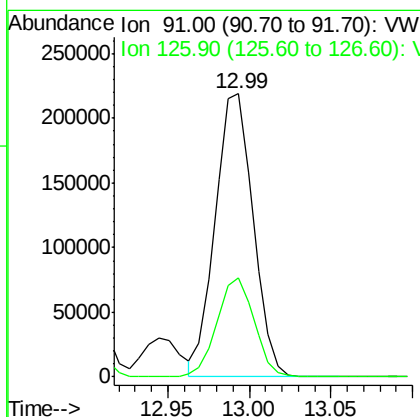
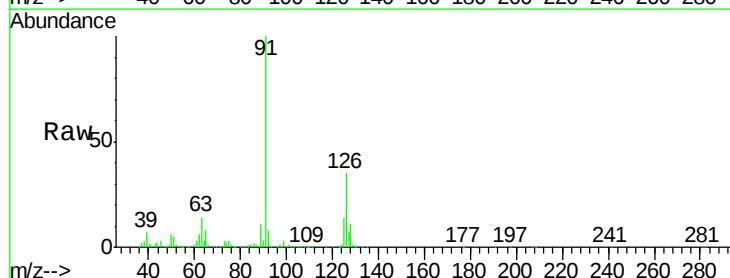
Manual Integrations
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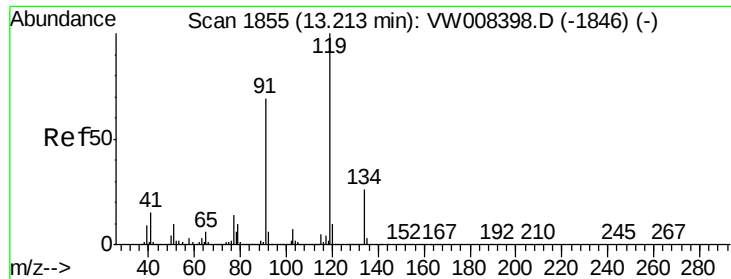
MMDadoda
2/11/2019 12:38:27 PM



#82
4-Chlorotoluene
Concen: 17.913 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.4	49.2





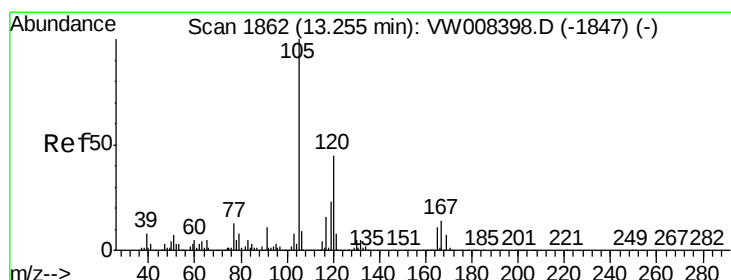
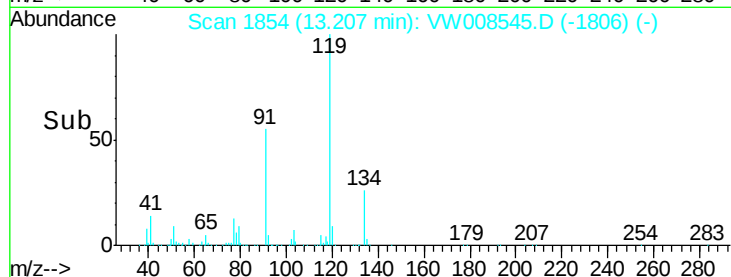
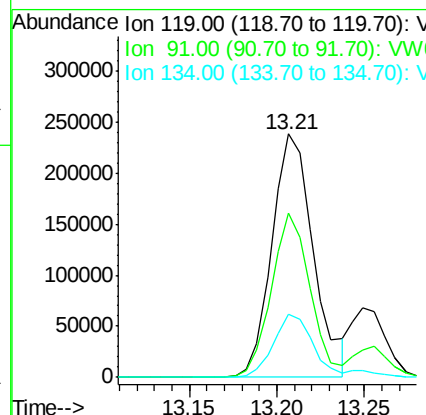
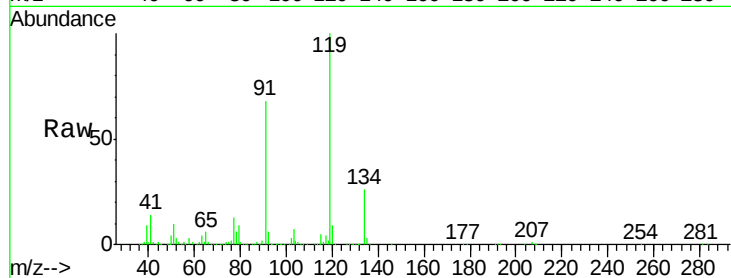
#83
tert-Butylbenzene
Concen: 19.326 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	394663		
91	63.0	33.8	101.4	
134	26.4	13.5	40.4	

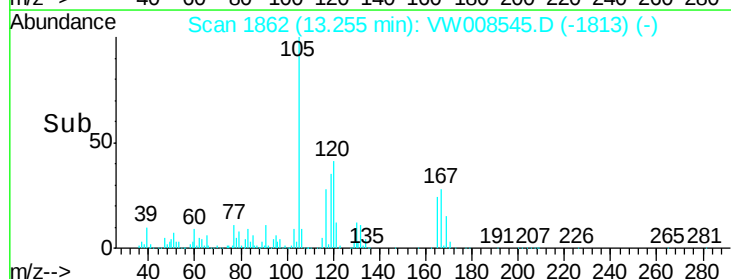
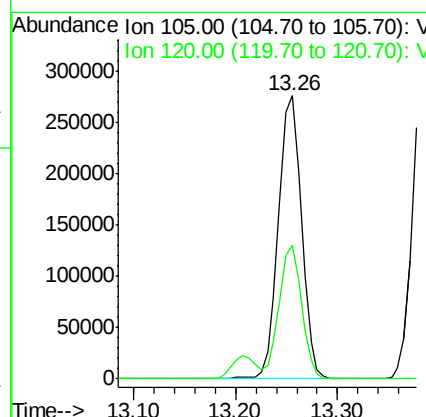
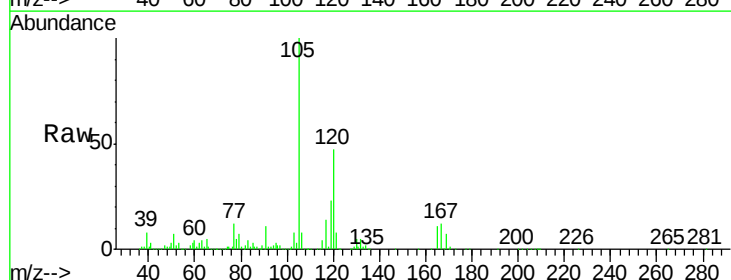
Manual Integrations
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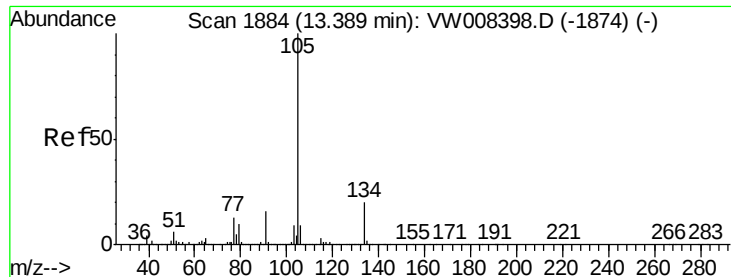
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.528 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	432175		
120	45.9	23.1	69.2	





#85

sec-Butylbenzene

Concen: 18.846 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0207SBS01

Tot Ion:105 Resp: 549625

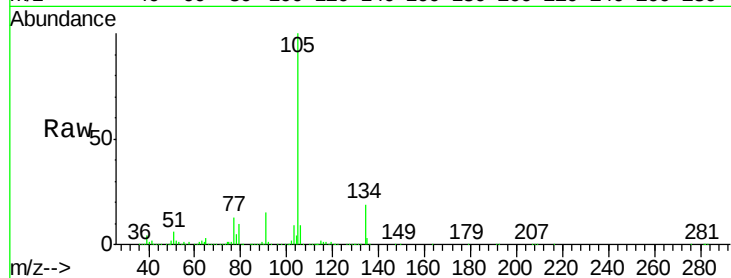
Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.6

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

Ion 134.00 (133.70 to 134.70): V

13.38

400000

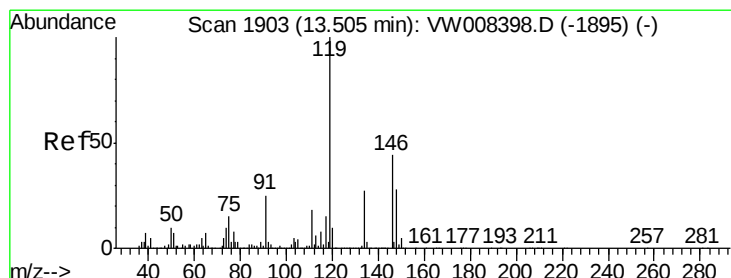
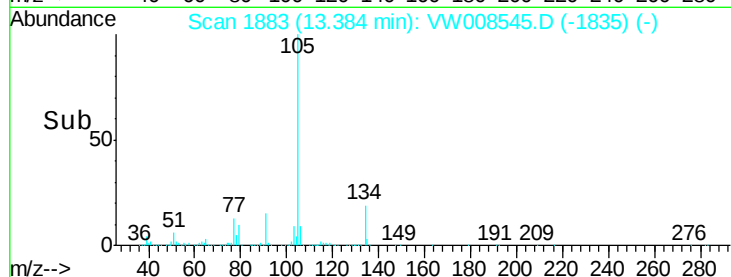
300000

200000

100000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 19.029 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

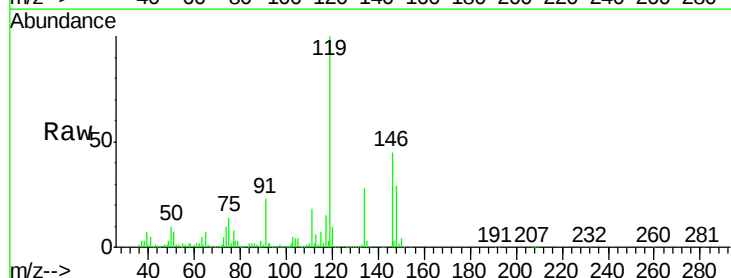
Tgt Ion:119 Resp: 486121

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 23.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

400000

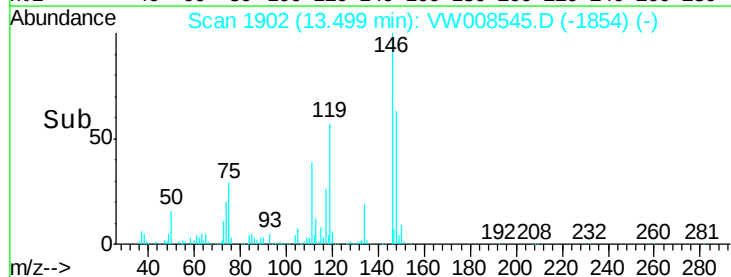
300000

200000

100000

0

Time--> 13.45 13.55





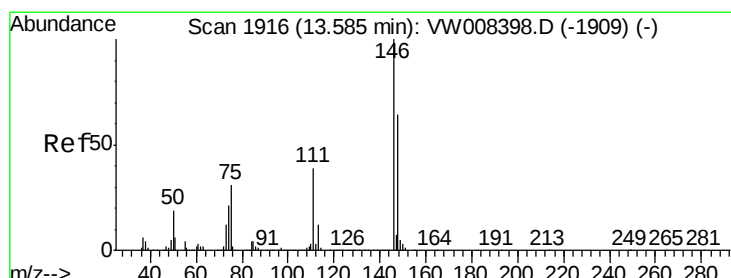
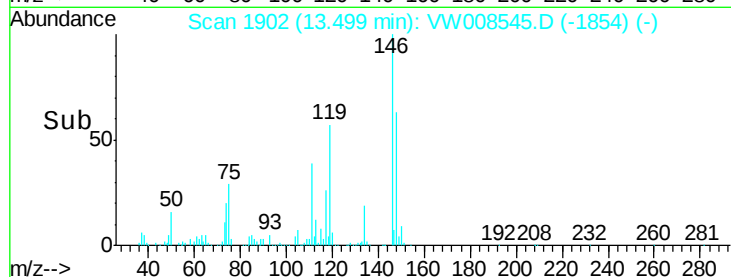
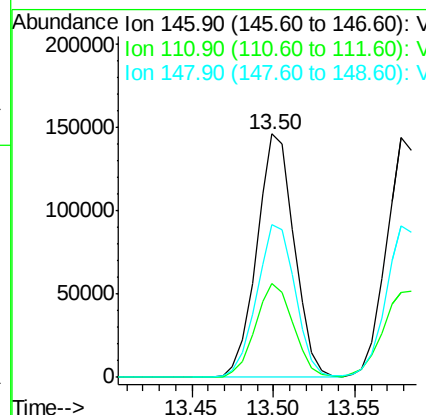
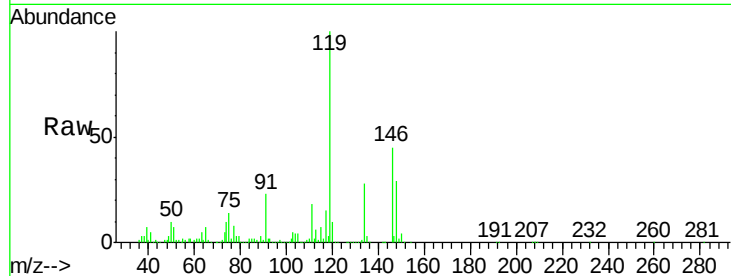
#87
 1,3-Dichlorobenzene
 Concen: 19.286 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0207SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.3	20.3	60.9
148	64.4	31.9	95.7

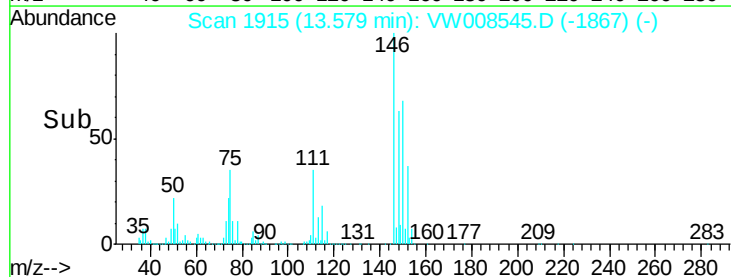
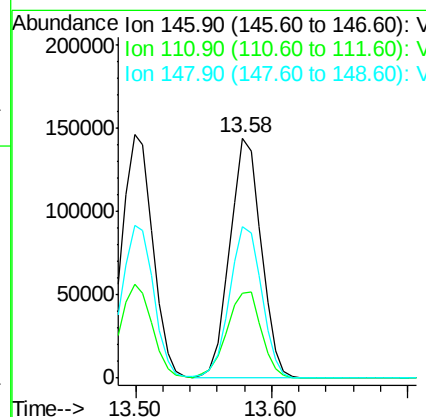
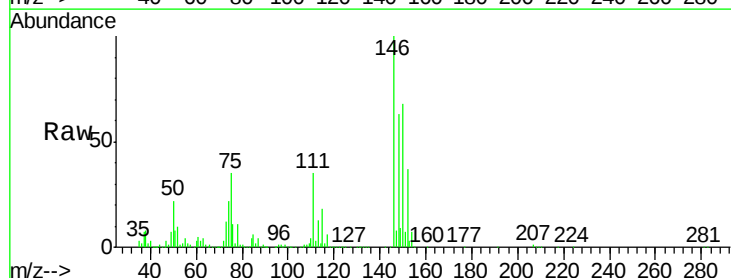
Manual Integrations
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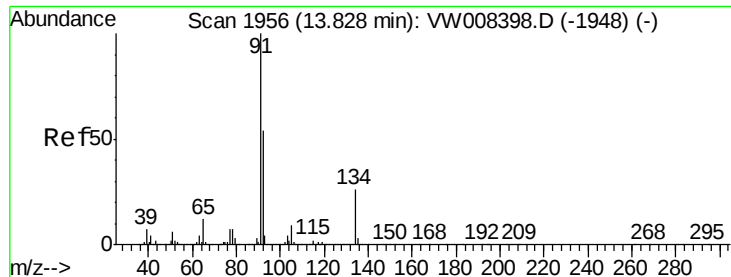
MMDadoda
 2/11/2019 12:38:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.215 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.4	20.0	60.0
148	64.8	32.0	96.2





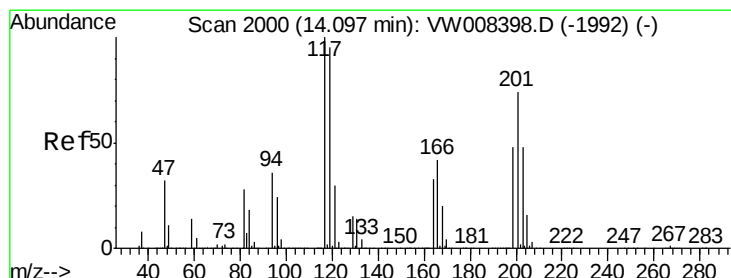
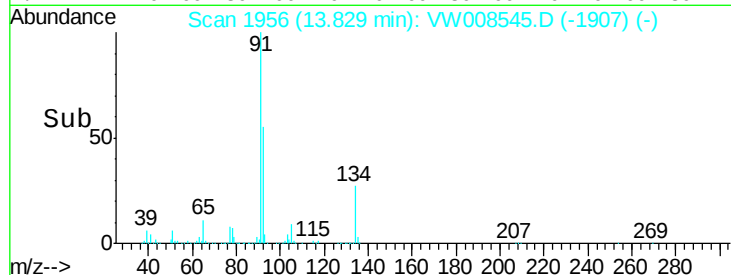
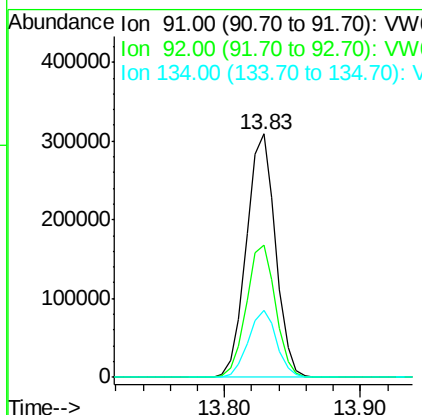
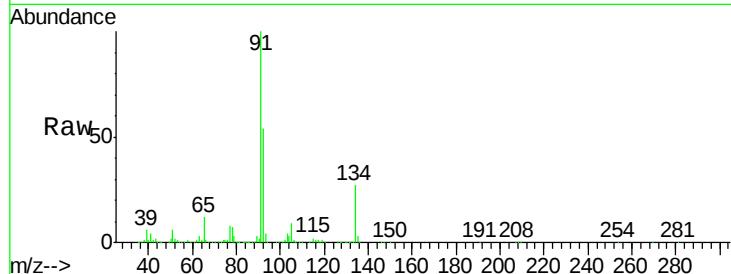
#89
n-Butylbenzene
Concen: 18.412 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.2
134	26.7	13.0	39.0

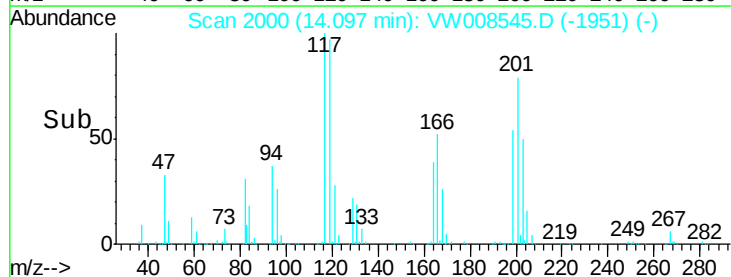
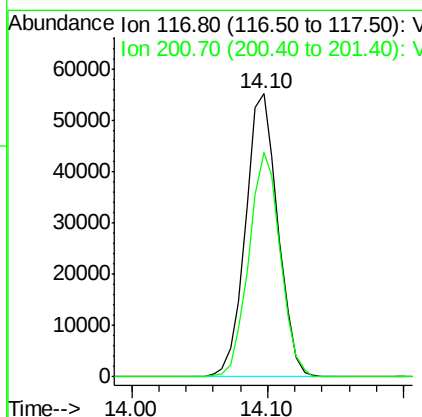
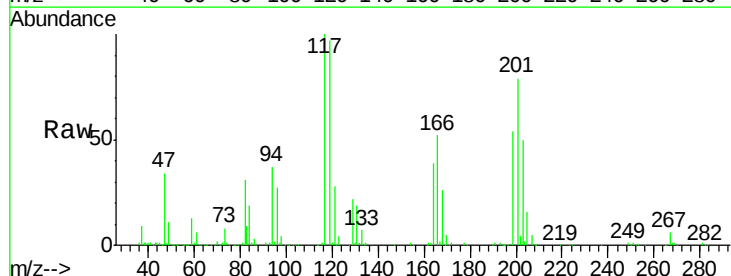
Manual Integrations
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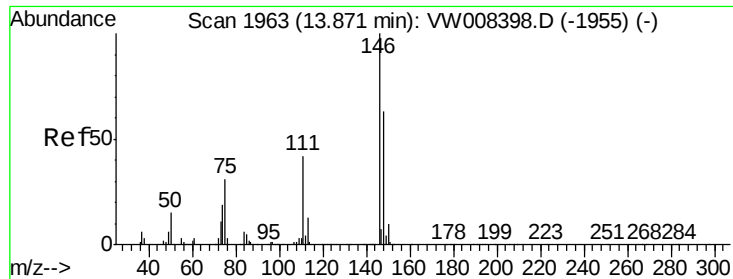
MMDadoda
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#90
Hexachloroethane
Concen: 18.340 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.6	39.1	117.5





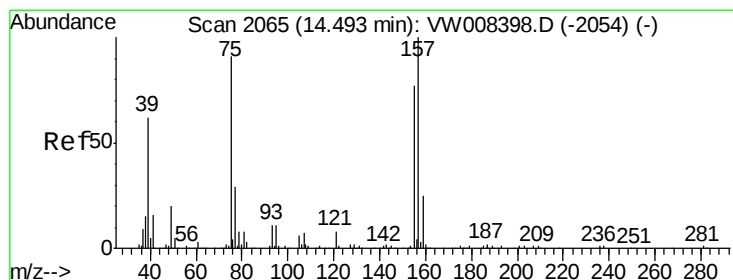
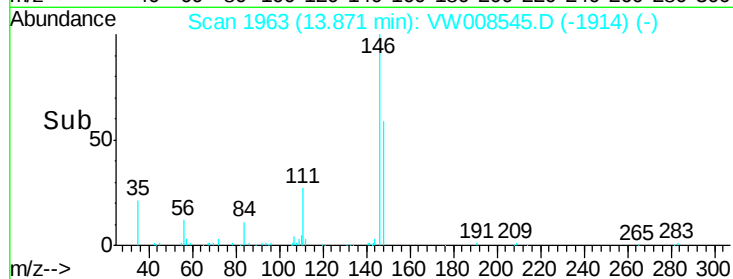
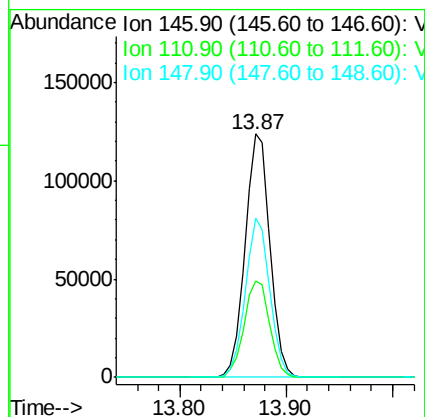
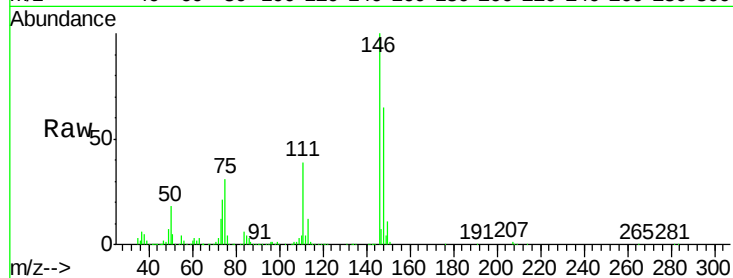
#91
 1,2-Dichlorobenzene
 Concen: 18.873 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.3
148	64.4	31.9	95.5

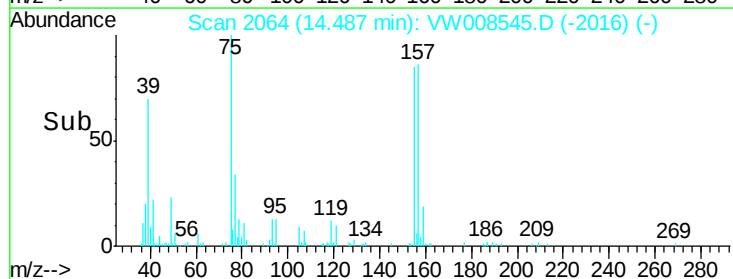
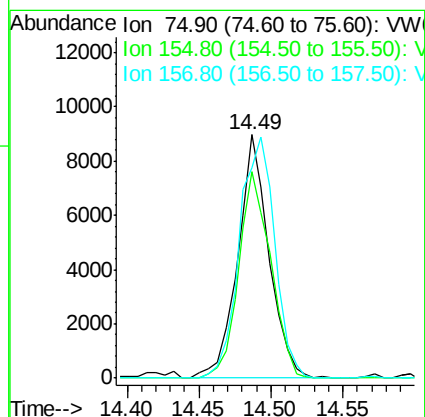
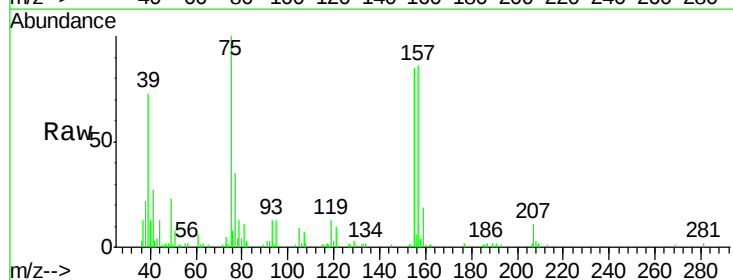
Manual Integrations
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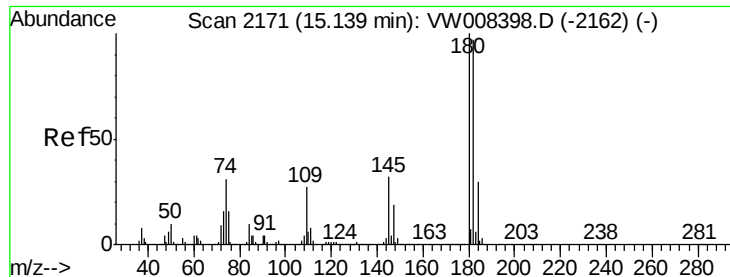
MMDadoda
 2/11/2019 12:38:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.341 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008545.D
 Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	42.7	128.1
157	111.8	55.5	166.3





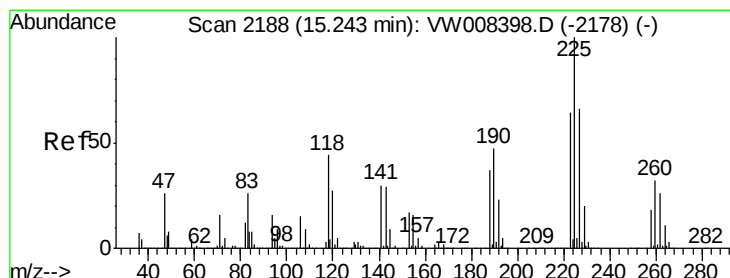
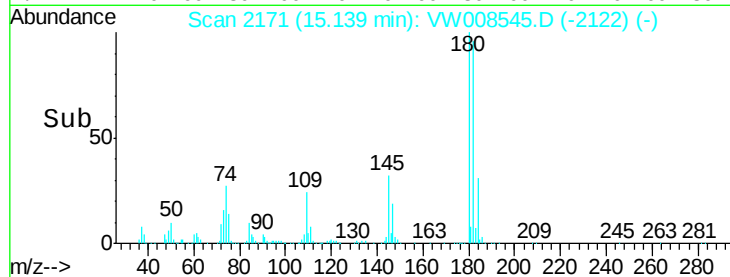
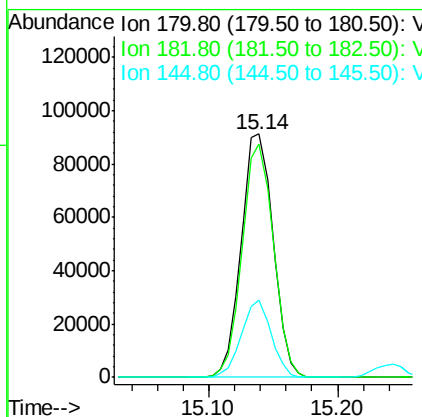
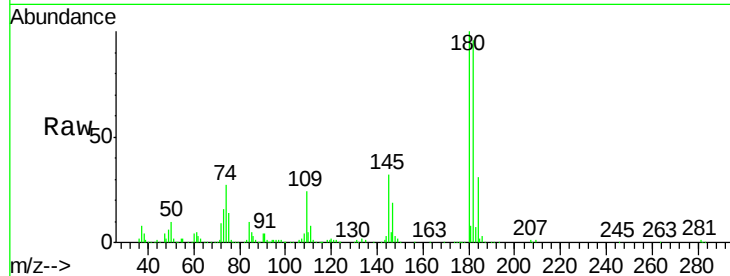
#93
1,2,4-Trichlorobenzene
Concen: 20.427 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156184		
182	94.0	47.9	143.7	
145	29.9	15.5	46.5	

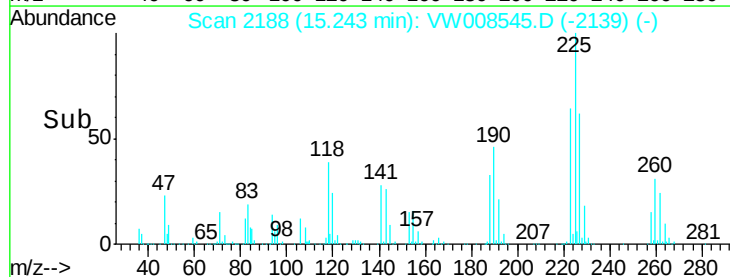
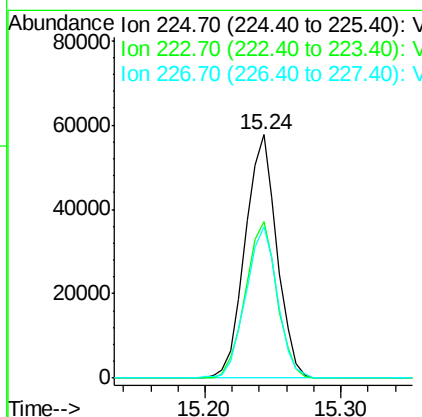
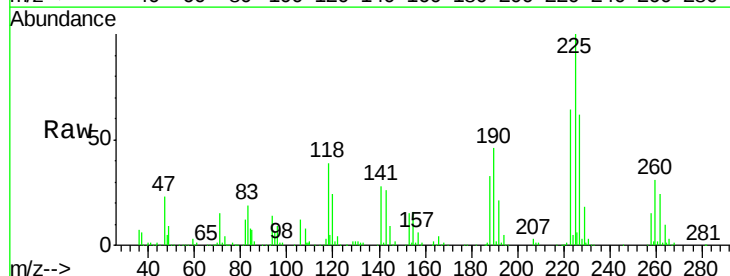
Manual Integrations
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#94
Hexachlorobutadiene
Concen: 20.391 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93961		
223	64.0	31.7	95.1	
227	62.2	32.1	96.3	





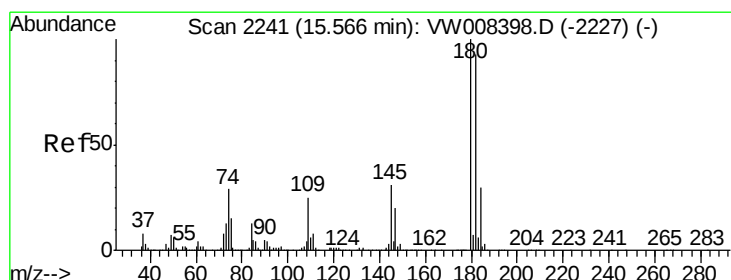
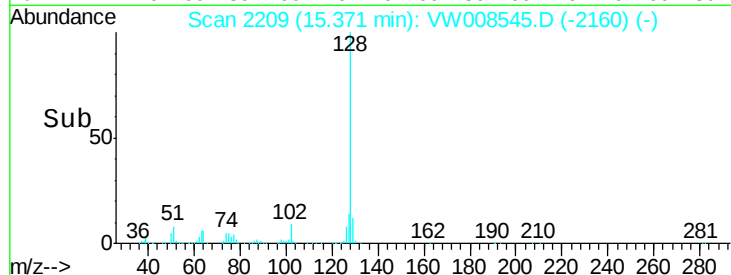
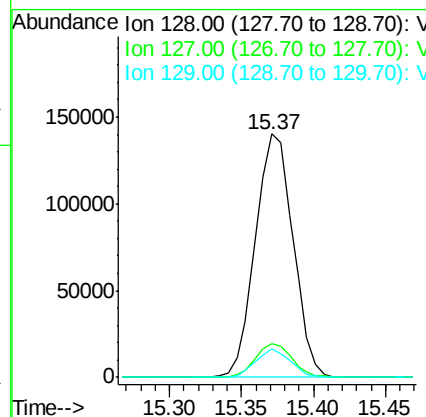
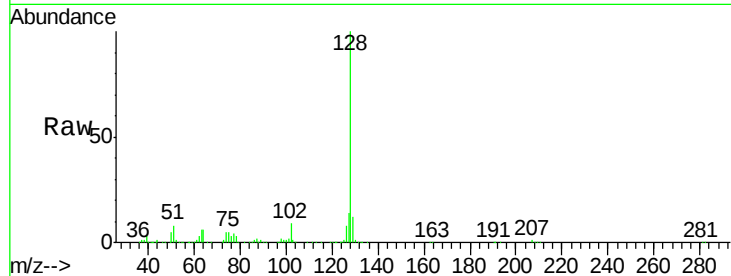
#95
Naphthalene
Concen: 18.900 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		253740		
127	13.3		10.6	15.8	
129	10.7		8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.841 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		128692		
182	94.3		47.0	141.2	
145	31.9		15.9	47.6	

