

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008543.D
 Acq On : 07 Feb 2019 10:43
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:38:22 PM

Quant Time: Feb 08 22:43:33 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	541736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	809215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	707547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	363530	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	277755	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	7.88	113	274462	58.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.00%	
50) Toluene-d8	10.32	98	1047761	55.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.44%	
62) 4-Bromofluorobenzene	12.62	95	377184	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	142880	45.923	ug/l	98
3) Chloromethane	2.21	50	182317	41.229	ug/l	99
4) Vinyl Chloride	2.36	62	265748	47.209	ug/l	98
5) Bromomethane	2.78	94	206156	56.779	ug/l	98
6) Chloroethane	2.92	64	198577	57.682	ug/l	99
7) Trichlorofluoromethane	3.25	101	224357	46.218	ug/l	98
8) Diethyl Ether	3.67	74	130838	48.429	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	270726	55.253	ug/l	97
10) Methyl Iodide	4.26	142	405921	52.450	ug/l	100
11) Tert butyl alcohol	5.17	59	96299	224.743	ug/l	97
12) 1,1-Dichloroethene	4.03	96	259687	52.370	ug/l	99
13) Acrolein	3.89	56	81474	216.090	ug/l	99
14) Allyl chloride	4.65	41	440353	46.767	ug/l	98
15) Acrylonitrile	5.36	53	283986	243.433	ug/l	99
16) Acetone	4.12	43	312977	261.874	ug/l	100
17) Carbon Disulfide	4.37	76	712335	44.979	ug/l	99
18) Methyl Acetate	4.66	43	160404	50.320	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	413001	50.340	ug/l	97
20) Methylene Chloride	4.90	84	260522	47.295	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	282273	50.634	ug/l	94
22) Diisopropyl ether	6.31	45	828665	46.436	ug/l	96
23) Vinyl Acetate	6.25	43	2403758	228.118	ug/l	98
24) 1,1-Dichloroethane	6.21	63	502151	49.712	ug/l	98
25) 2-Butanone	7.17	43	400202	241.081	ug/l	98
26) 2,2-Dichloropropane	7.16	77	339301	49.694	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	307292	50.579	ug/l	97
28) Bromochloromethane	7.51	49	211550	45.597	ug/l	95
29) Tetrahydrofuran	7.52	42	241154	229.242	ug/l	96
30) Chloroform	7.67	83	505472	50.875	ug/l	97
31) Cyclohexane	7.95	56	448828	42.971	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	437676	51.002	ug/l	99
36) 1,1-Dichloropropene	8.08	75	406310	53.155	ug/l	98
37) Ethyl Acetate	7.25	43	164696	48.700	ug/l	98
38) Carbon Tetrachloride	8.06	117	426259	55.416	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	500979	49.890	ug/l	98
40) Benzene	8.32	78	1101288	51.921	ug/l	99
41) Methacrylonitrile	7.48	41	95599	47.740	ug/l	94
42) 1,2-Dichloroethane	8.40	62	321173	52.250	ug/l	99
43) Isopropyl Acetate	8.42	43	343123	48.836	ug/l	97
44) Trichloroethene	9.09	130	315240	54.654	ug/l	96
45) 1,2-Dichloropropane	9.37	63	273504	51.715	ug/l	98
46) Dibromomethane	9.45	93	140559	51.673	ug/l	95
47) Bromodichloromethane	9.64	83	378717	52.637	ug/l	100
48) Methyl methacrylate	9.43	41	158378	46.101	ug/l	94
49) 1,4-Dioxane	9.44	88	50265	1093.209	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	844266	243.230	ug/l	99
52) Toluene	10.38	92	711166	50.791	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	381165	49.787	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	442453	50.925	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	198721	52.669	ug/l	98
56) Ethyl methacrylate	10.65	69	251442	47.560	ug/l	99
57) 1,3-Dichloropropane	10.93	76	349372	51.687	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	639987	249.146	ug/l	98
59) 2-Hexanone	10.97	43	629925	257.068	ug/l	99
60) Dibromochloromethane	11.13	129	253072	52.194	ug/l	100
61) 1,2-Dibromoethane	11.23	107	191999	51.321	ug/l	99
64) Tetrachloroethene	10.86	164	264698	55.254	ug/l	99
65) Chlorobenzene	11.66	112	784194	54.294	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	282748	54.715	ug/l	99
67) Ethyl Benzene	11.73	91	1408638	53.057	ug/l	99
68) m/p-Xylenes	11.84	106	1084553	105.285	ug/l	98
69) o-Xylene	12.16	106	508660	51.970	ug/l	99
70) Styrene	12.18	104	837669	51.813	ug/l	98
71) Bromoform	12.35	173	148872	51.202	ug/l #	99
73) Isopropylbenzene	12.46	105	1442592	53.228	ug/l	100
74) N-amyl acetate	12.27	43	329763	47.231	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	224487	52.319	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	157016m	49.679	ug/l	
77) Bromobenzene	12.75	156	320780	54.197	ug/l	94
78) n-propylbenzene	12.80	91	1724527	52.979	ug/l	98
79) 2-Chlorotoluene	12.90	91	961974	52.371	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1191821	52.613	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	75184	46.982	ug/l	95
82) 4-Chlorotoluene	12.99	91	990485	50.647	ug/l	97
83) tert-Butylbenzene	13.21	119	1051111	52.143	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1214899	52.765	ug/l	99
85) sec-Butylbenzene	13.38	105	1535711	53.344	ug/l	99
86) p-Isopropyltoluene	13.50	119	1374126	54.492	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	649477	54.334	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	641550	54.005	ug/l	99
89) n-Butylbenzene	13.83	91	1321429	53.370	ug/l	99
90) Hexachloroethane	14.10	117	262540	53.237	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	565047	53.424	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	40147	49.313	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	420244	55.679	ug/l	99
94) Hexachlorobutadiene	15.24	225	262481	57.705	ug/l	99
95) Naphthalene	15.37	128	712197	53.740	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	354191	55.321	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 541736

Ion Ratio Lower Upper

168 100

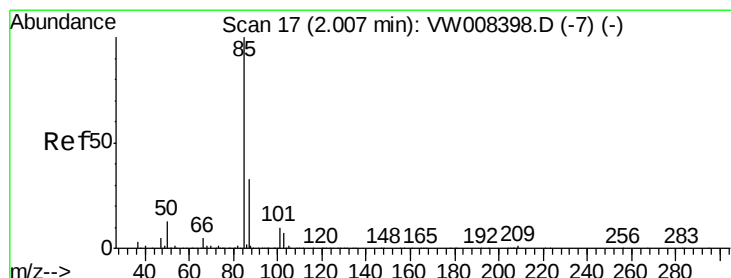
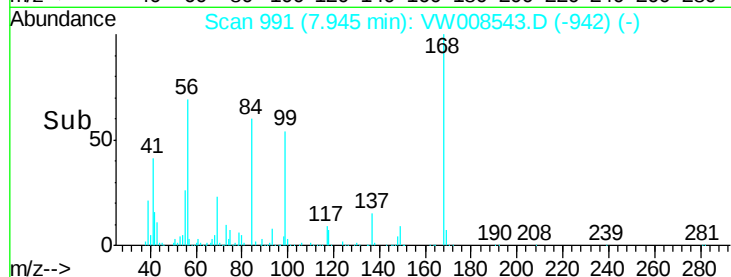
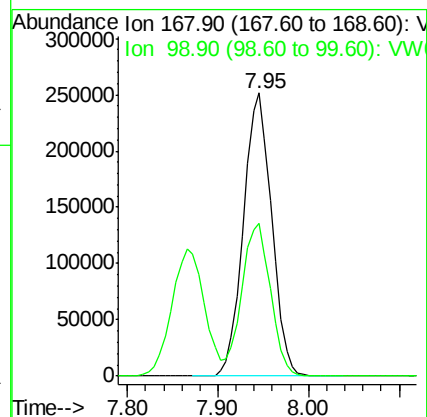
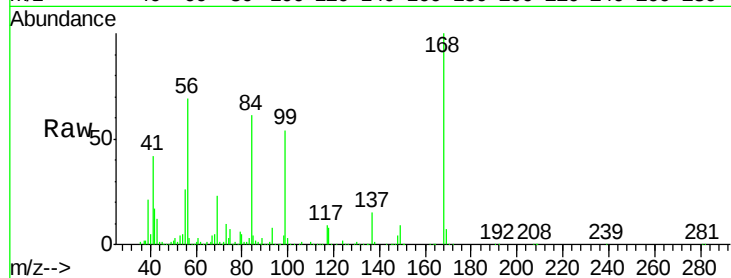
99 54.1 45.5 68.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.923 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008543.D

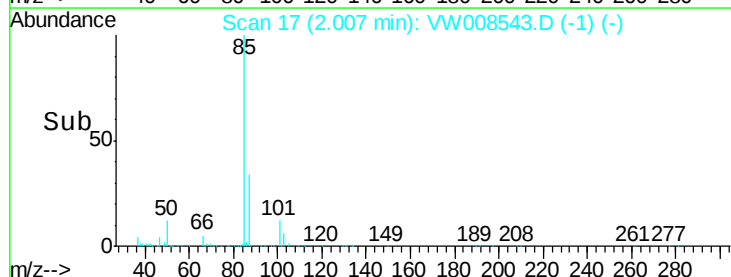
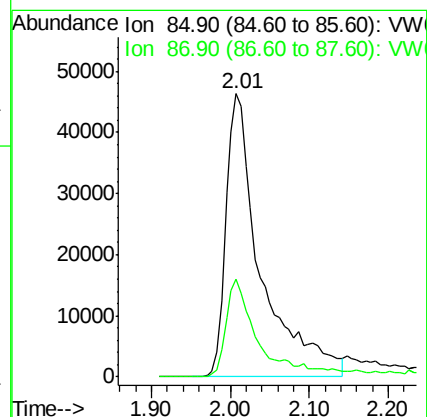
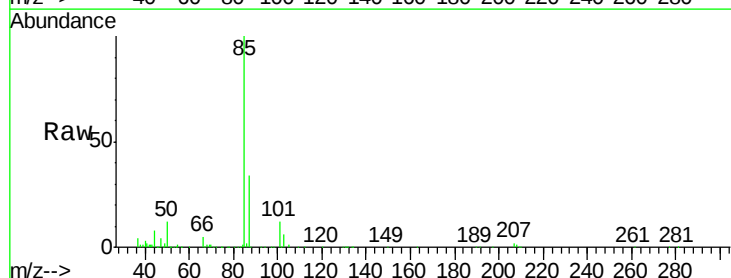
Acq: 07 Feb 2019 10:43

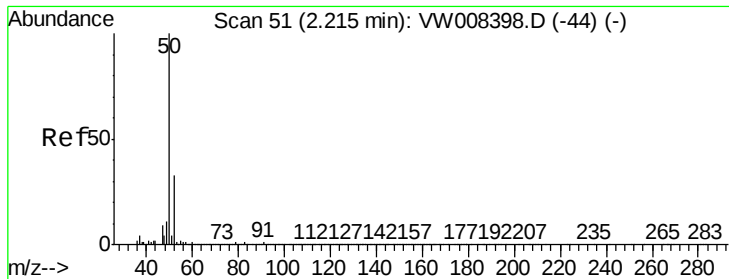
Tgt Ion: 85 Resp: 142880

Ion Ratio Lower Upper

85 100

87 34.4 16.7 50.1





#3

Chloromethane

Concen: 41.229 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 182317

Ion Ratio Lower Upper

50 100

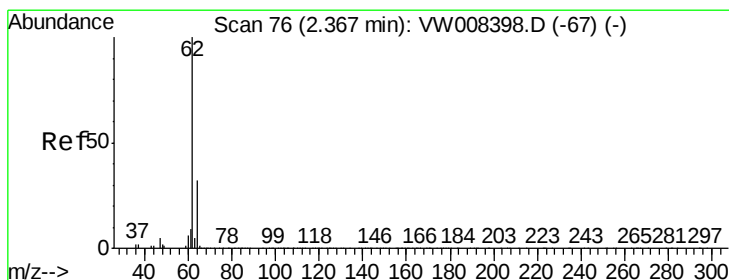
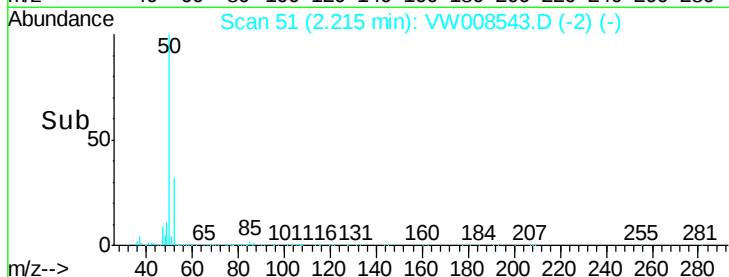
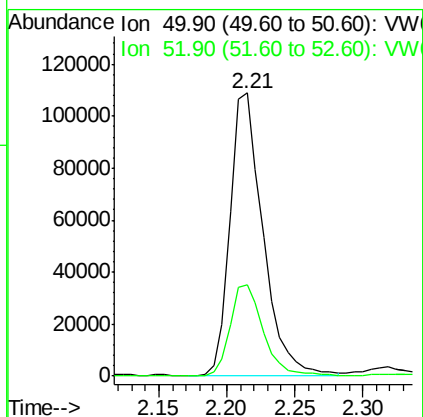
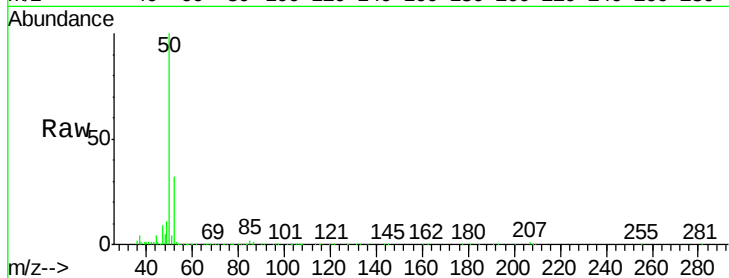
52 32.4 26.3 39.5

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#4

Vinyl Chloride

Concen: 47.209 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008543.D

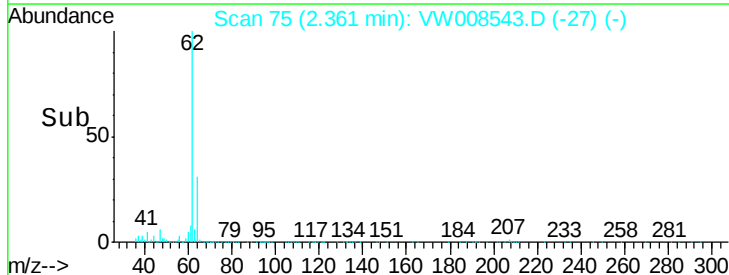
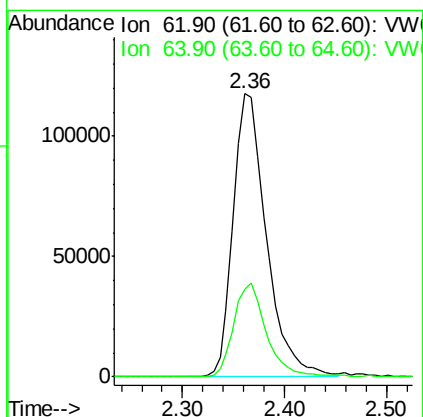
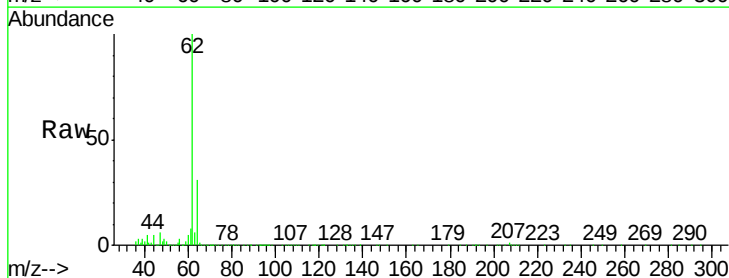
Acq: 07 Feb 2019 10:43

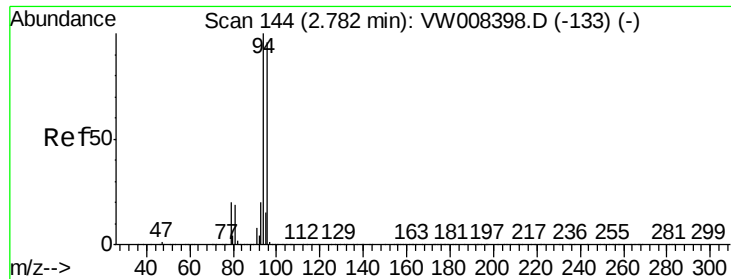
Tgt Ion: 62 Resp: 265748

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 56.779 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 206156

Ion Ratio Lower Upper

94 100

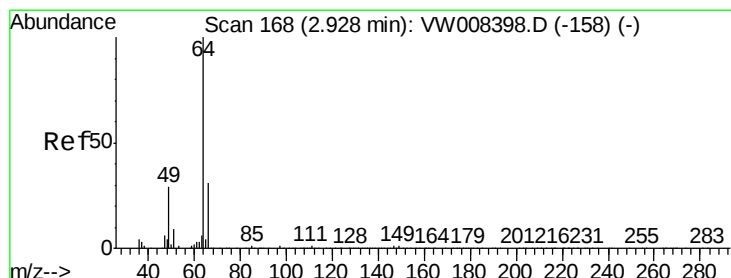
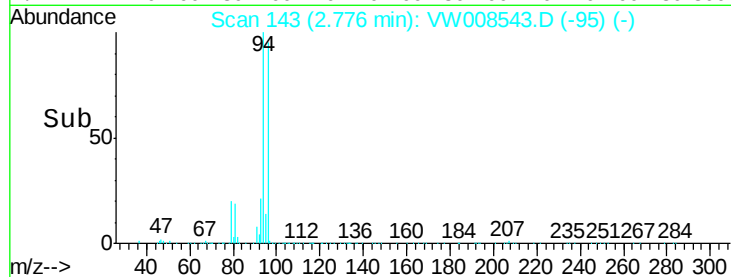
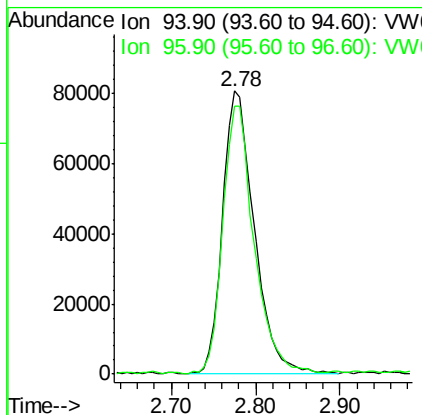
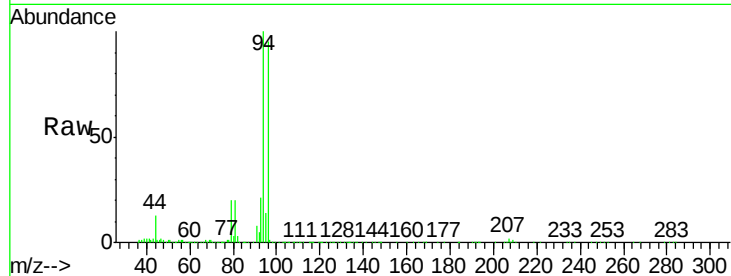
96 94.7 77.2 115.8

Manual Integrations

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#6

Chloroethane

Concen: 57.682 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008543.D

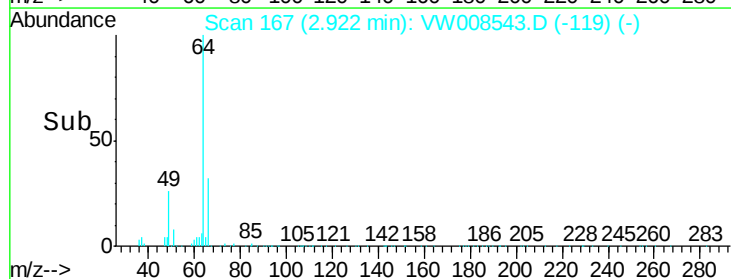
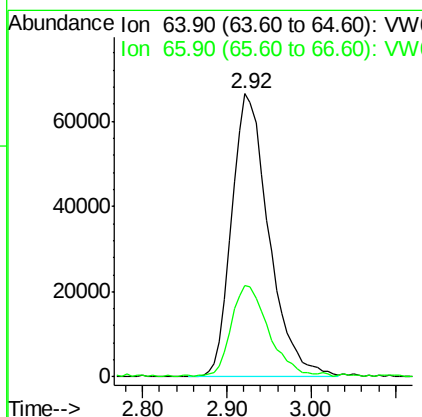
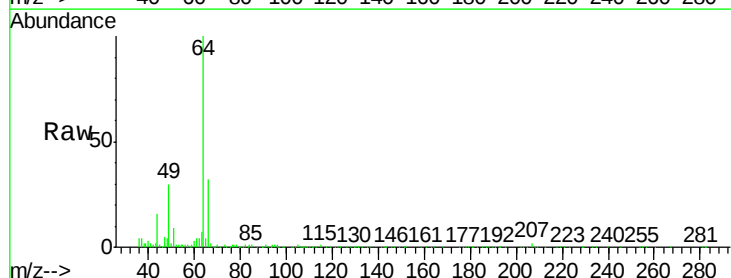
Acq: 07 Feb 2019 10:43

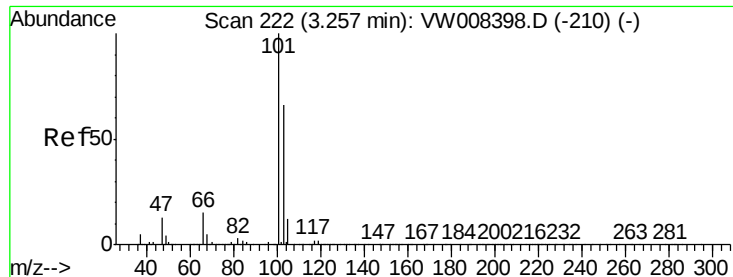
Tgt Ion: 64 Resp: 198577

Ion Ratio Lower Upper

64 100

66 31.8 24.9 37.3





#7

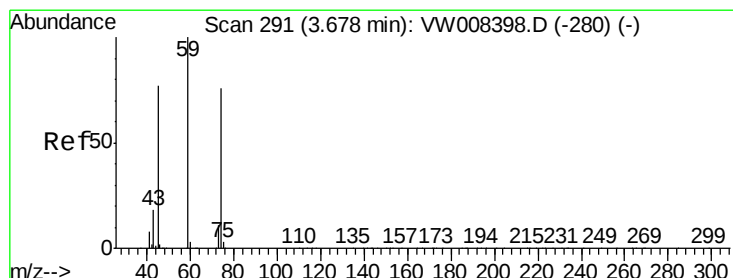
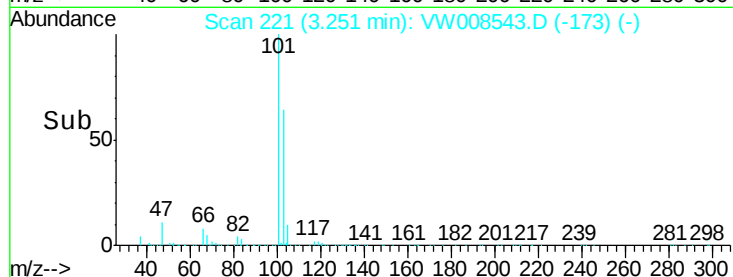
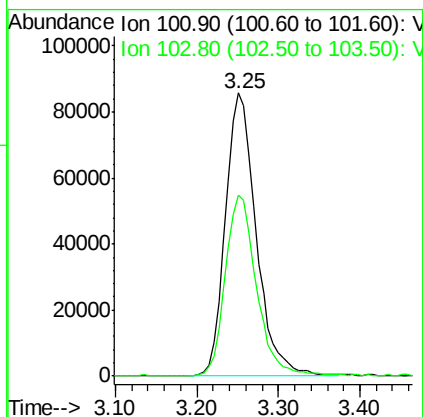
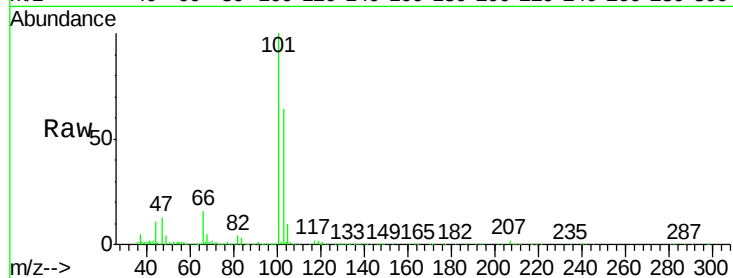
Trichlorofluoromethane
Concen: 46.218 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008543.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.5	78.7

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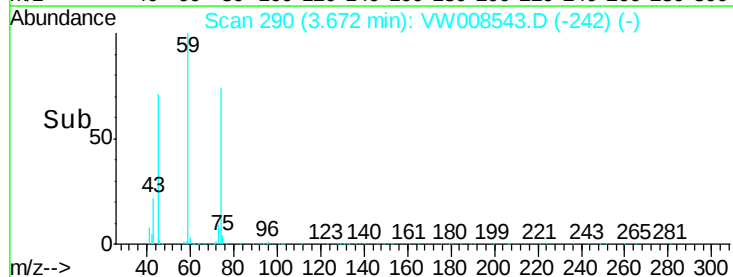
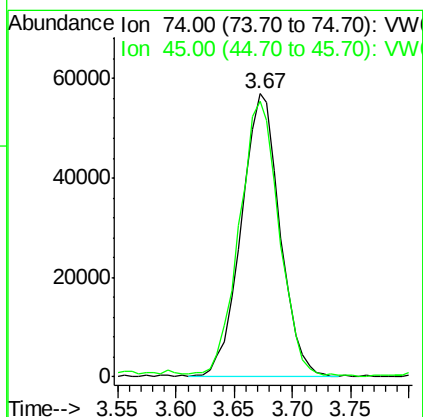
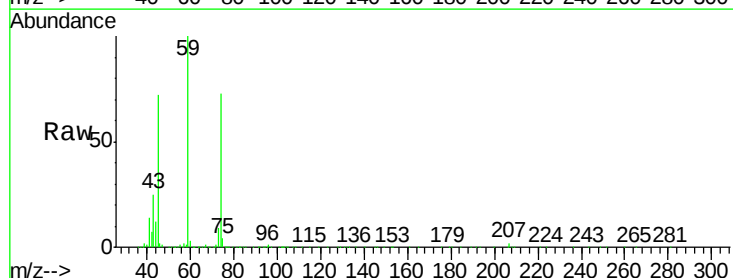
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#8

Diethyl Ether
Concen: 48.429 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.253 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

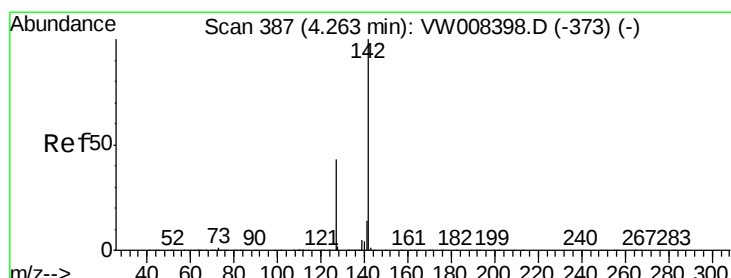
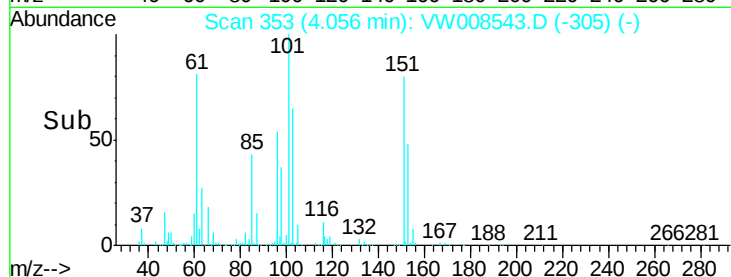
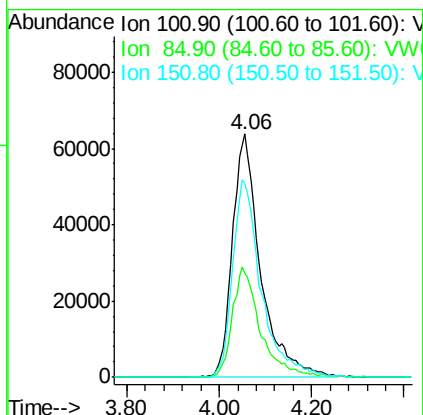
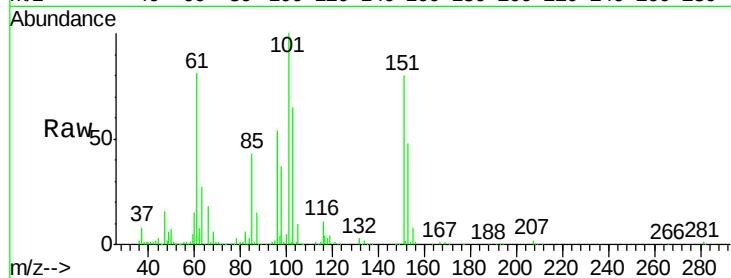
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	270726
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.0	52.4
151	82.2	62.6	94.0

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#10

Methyl Iodide

Concen: 52.450 ug/l

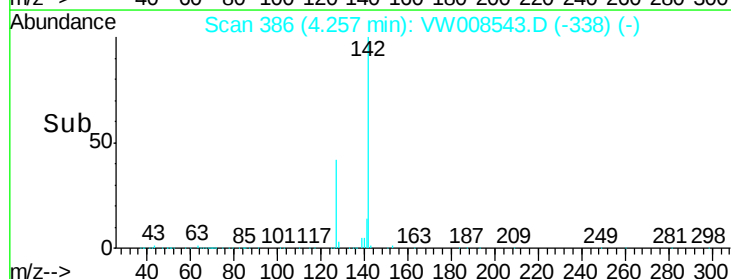
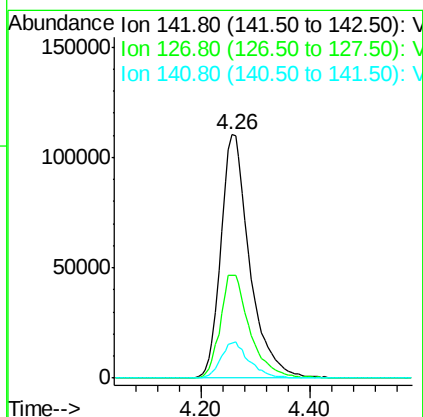
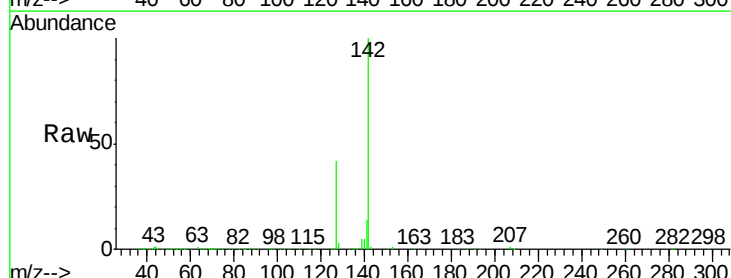
RT: 4.26 min Scan# 386

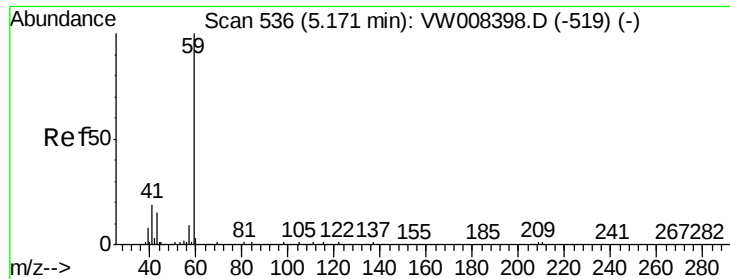
Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion:	142	Resp:	405921
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.6	52.0
141	14.6	11.4	17.2





#11

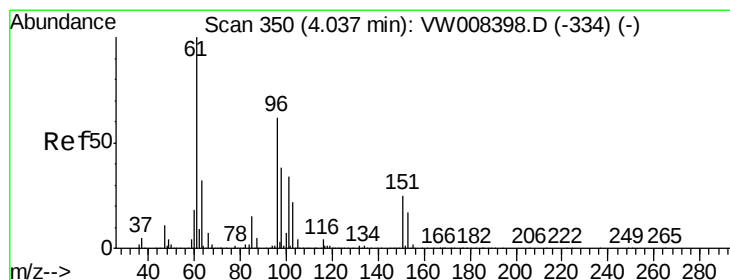
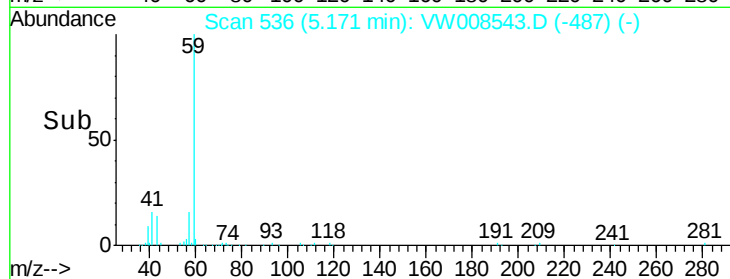
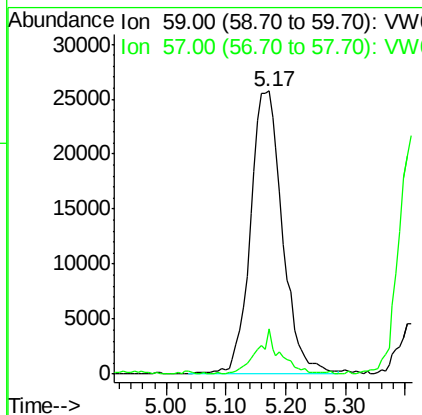
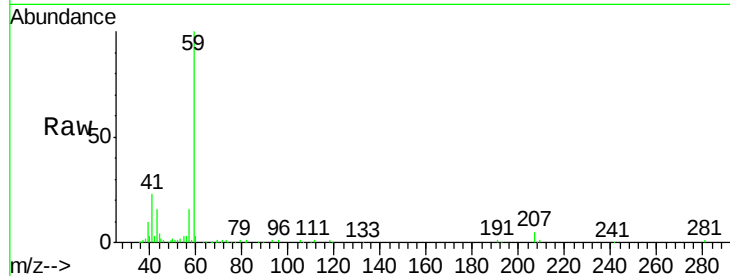
Tert butyl alcohol
Concen: 224.743 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.3	13.9

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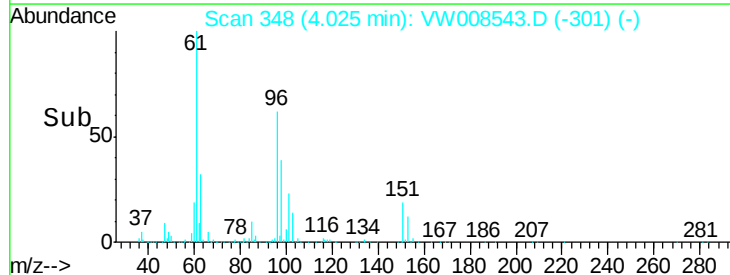
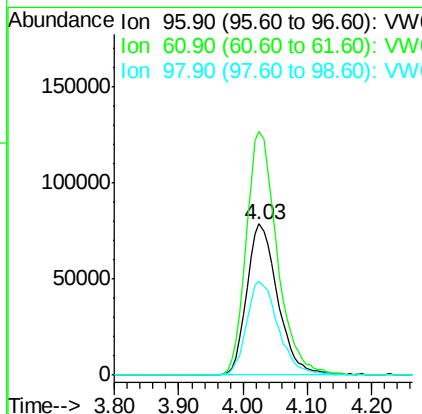
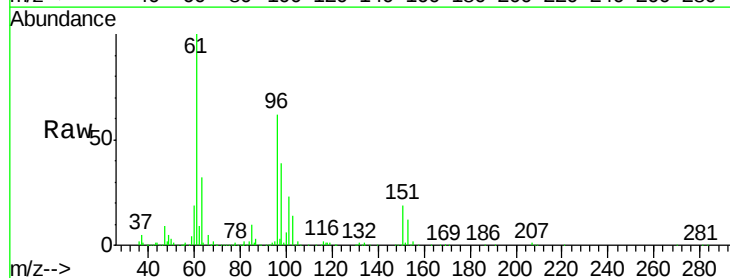
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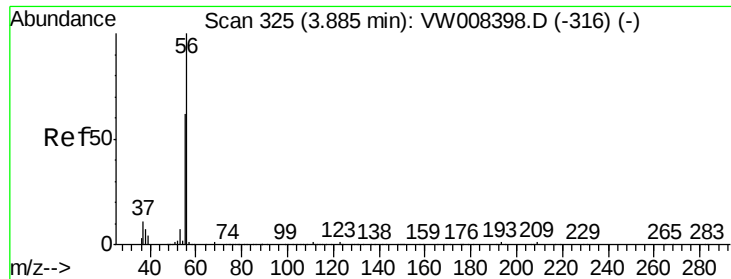


#12

1,1-Dichloroethene
Concen: 52.370 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	129.5	194.3
98	62.3	48.6	73.0





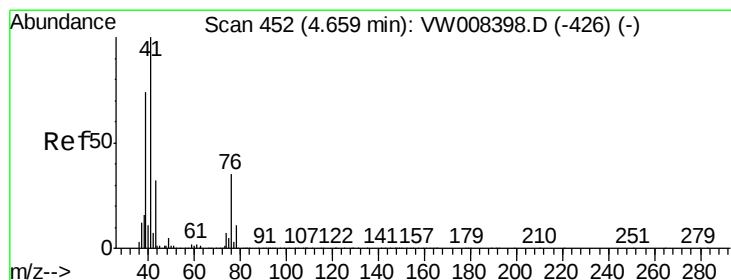
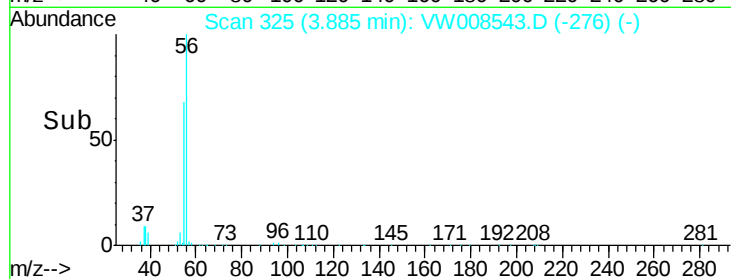
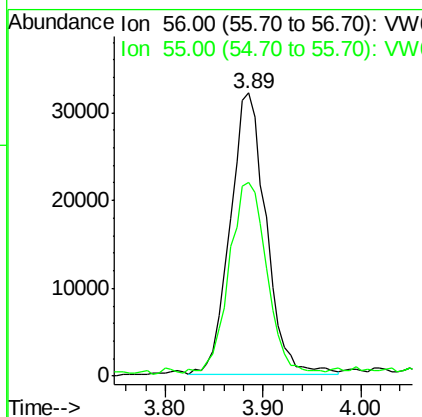
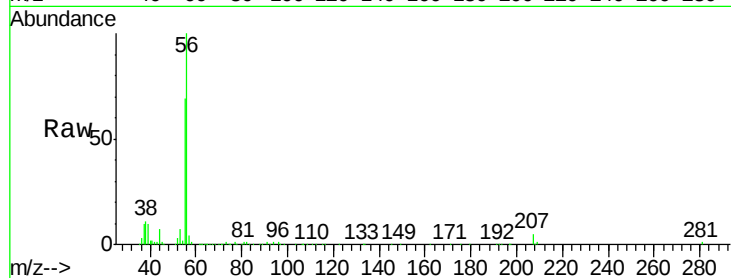
#13
Acrolein
Concen: 216.090 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	81474
Ion Ratio	100	Lower	Upper
55	70.4	56.7	85.1

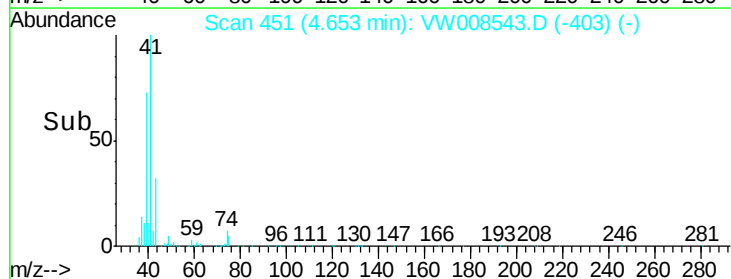
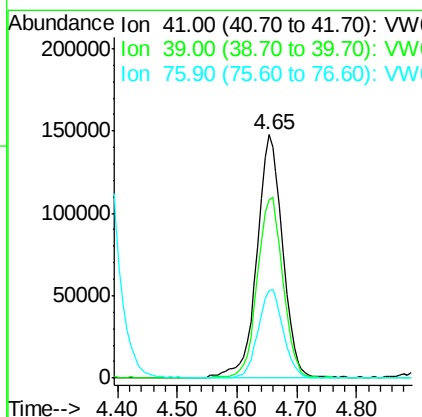
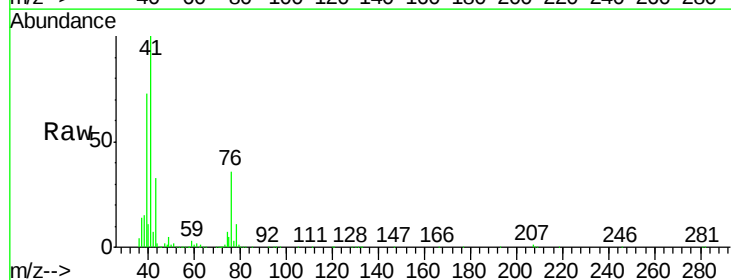
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#14
Allyl chloride
Concen: 46.767 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	41	Resp	440353
Ion Ratio	100	Lower	Upper
39	72.9	57.7	86.5
76	35.7	26.9	40.3





#15

Acrylonitrile

Concen: 243.433 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

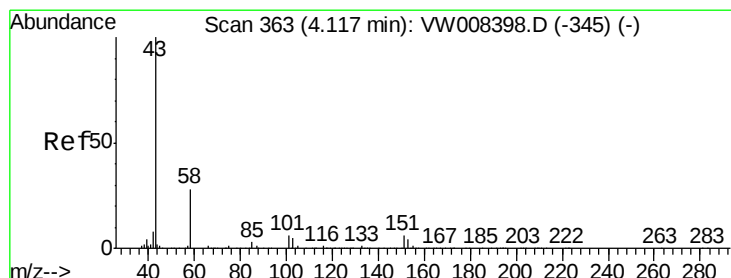
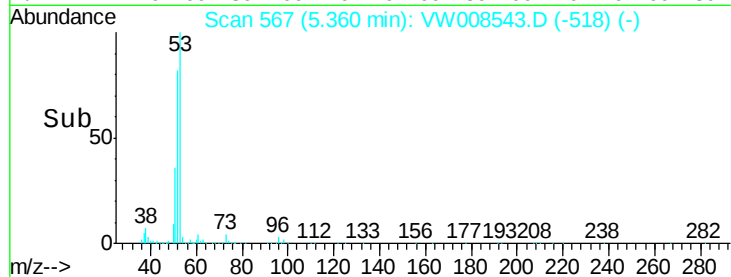
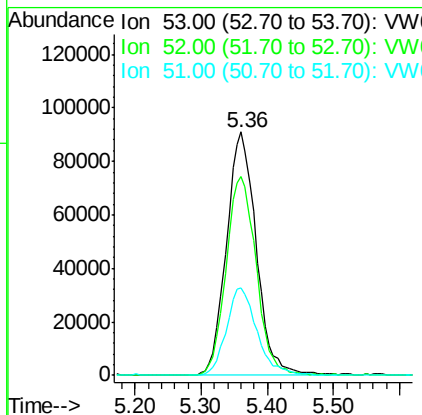
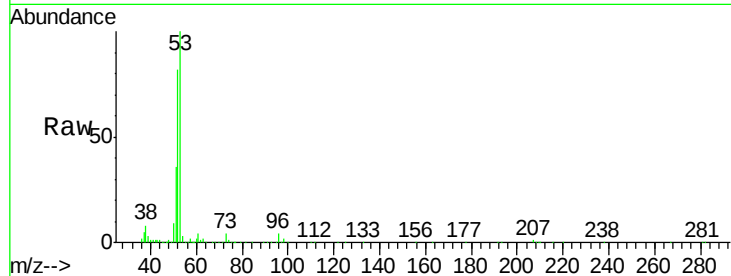
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	283986
Ion Ratio		Lower	Upper
53	100		
52	82.5	67.0	100.4
51	37.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 261.874 ug/l

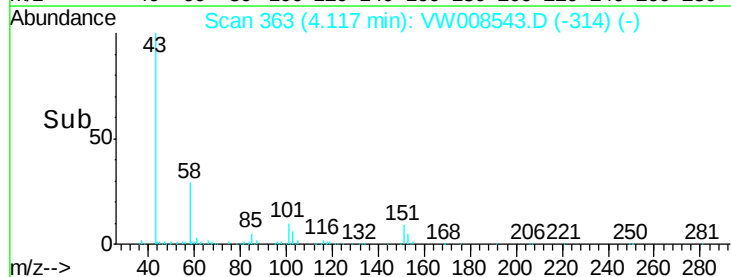
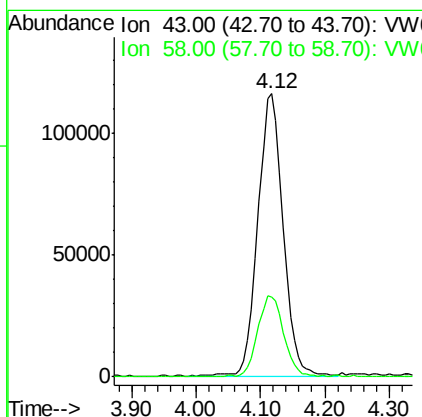
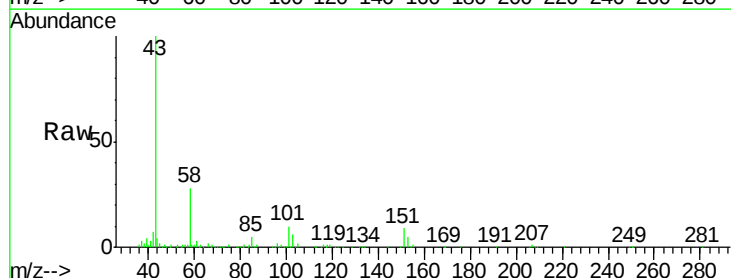
RT: 4.12 min Scan# 363

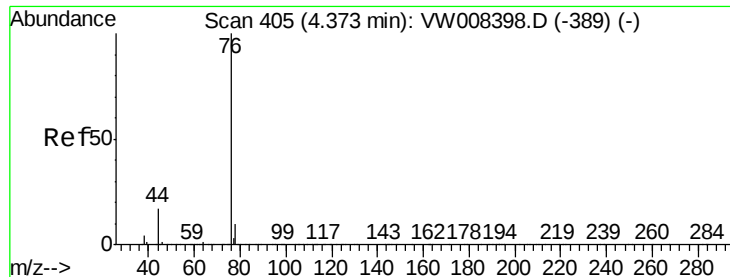
Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion:	43	Resp:	312977
Ion Ratio		Lower	Upper
43	100		
58	28.1	22.6	34.0





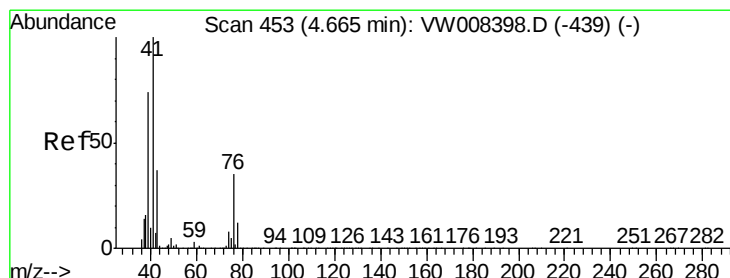
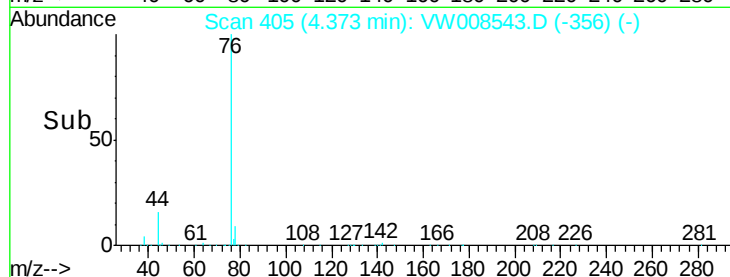
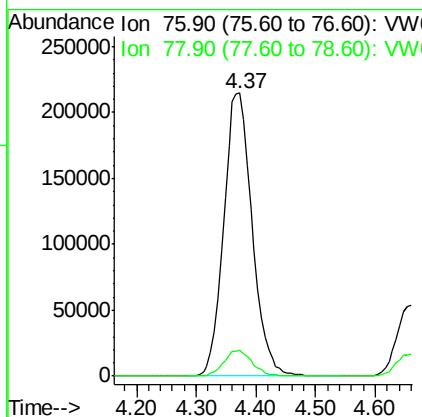
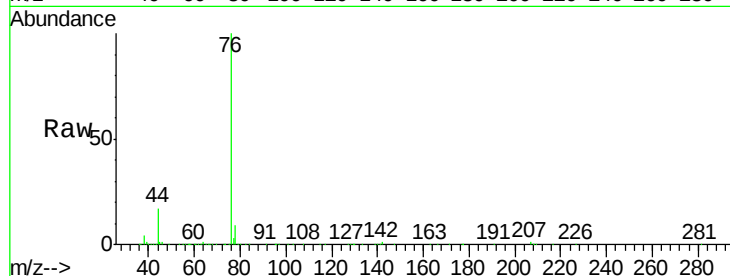
#17
Carbon Disulfide
Concen: 44.979 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.7	11.5

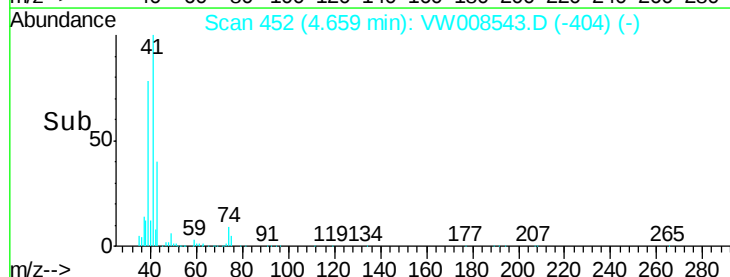
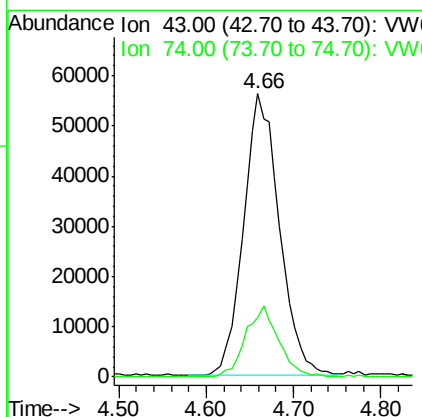
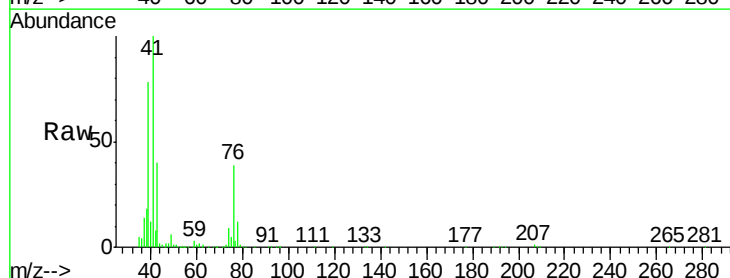
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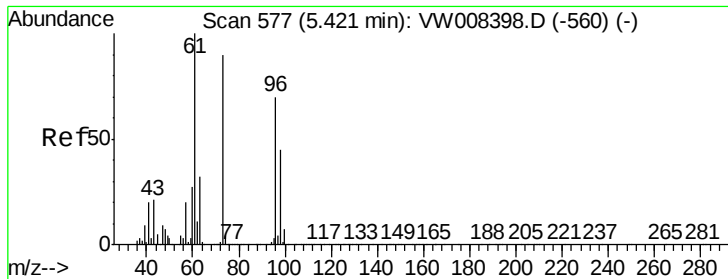
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#18
Methyl Acetate
Concen: 50.320 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	17.5	26.3





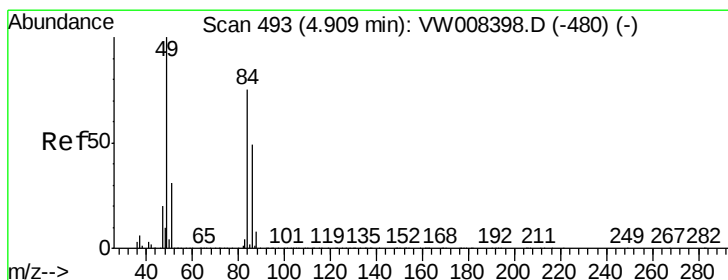
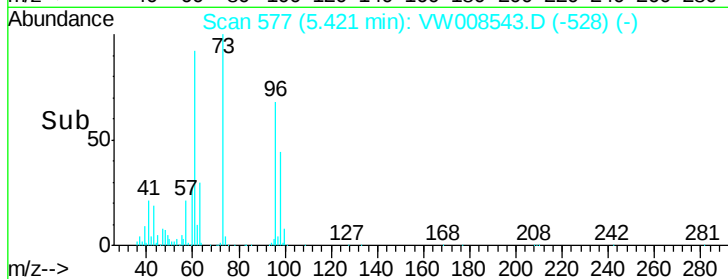
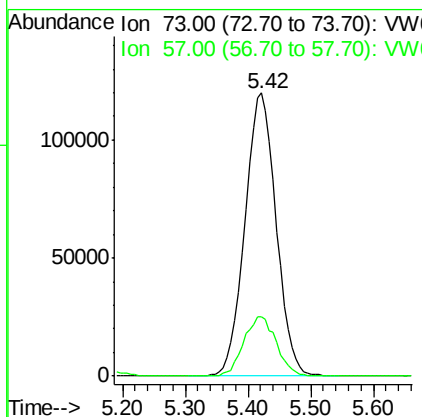
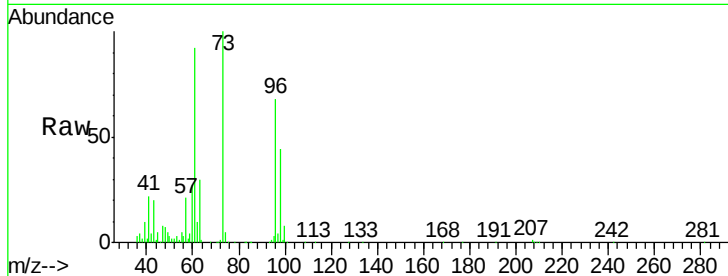
#19
Methvl tert-butvl Ether
Concen: 50.340 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	18.0	27.0

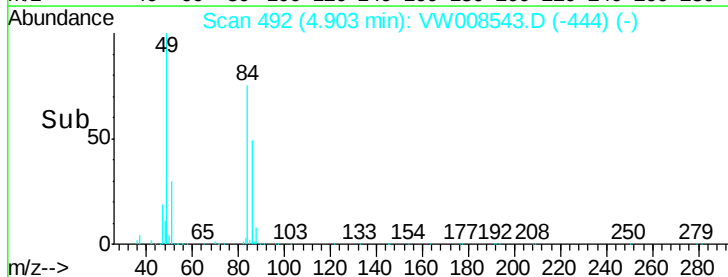
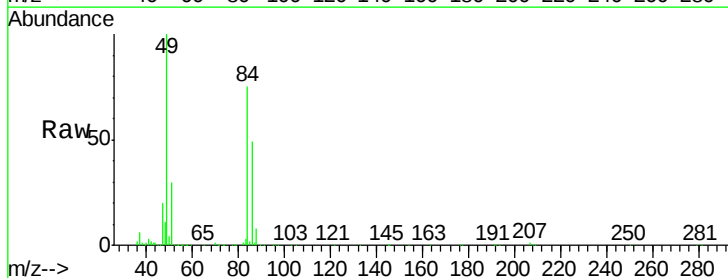
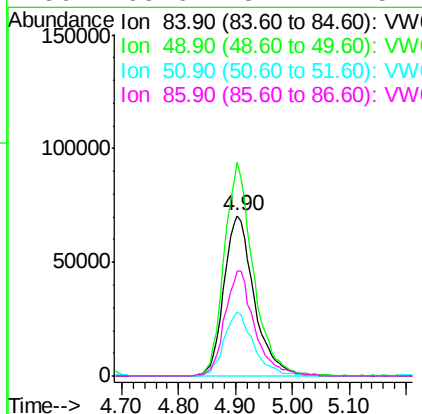
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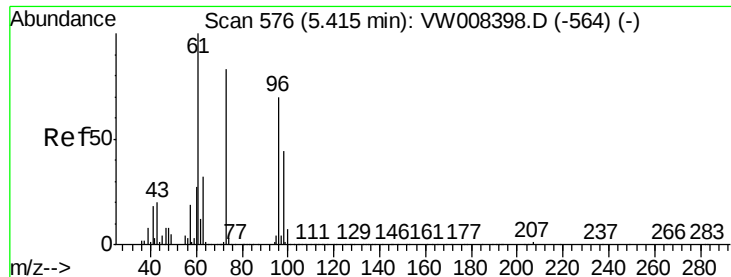
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#20
Methylene Chloride
Concen: 47.295 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.2	106.8	160.2
51	39.8	32.9	49.3
86	65.6	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 50.634 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

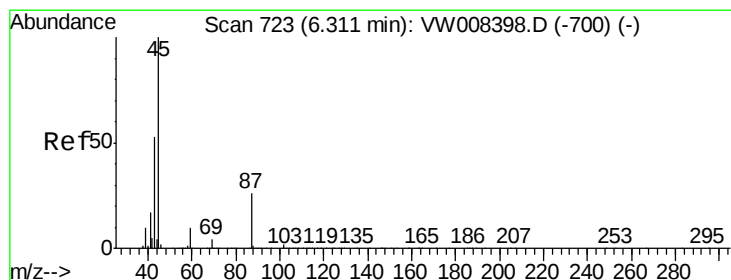
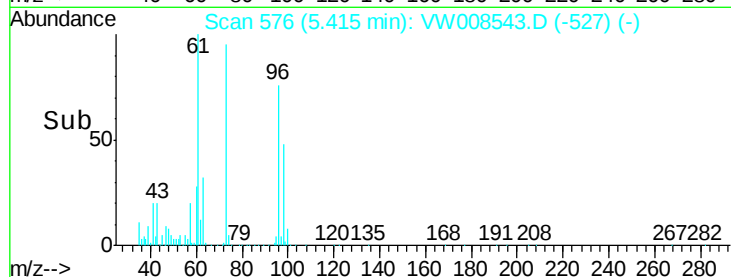
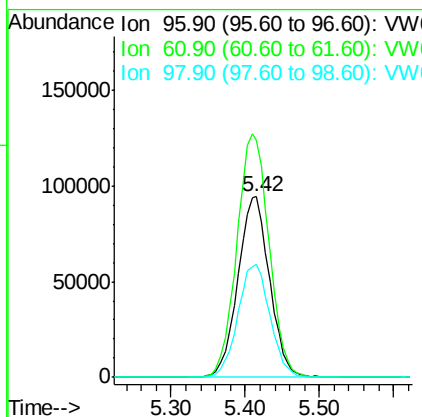
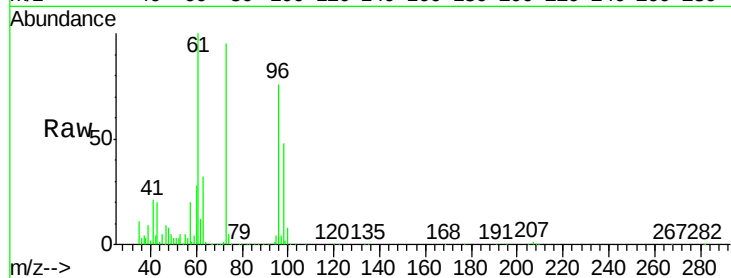
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	282273
Ion	Ratio	Lower	Upper
96	100		
61	131.7	114.4	171.6
98	62.9	50.6	75.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.436 ug/l

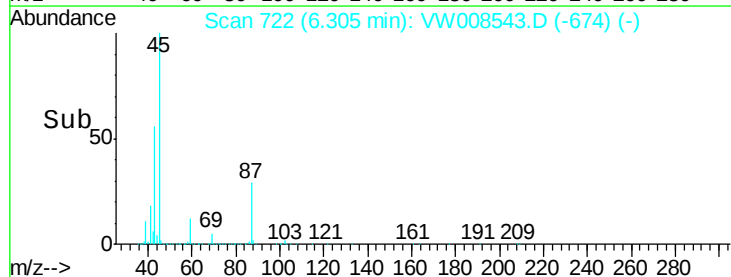
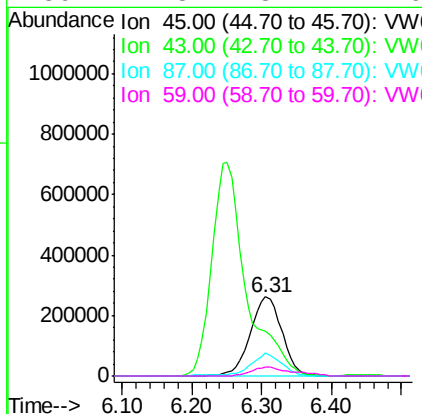
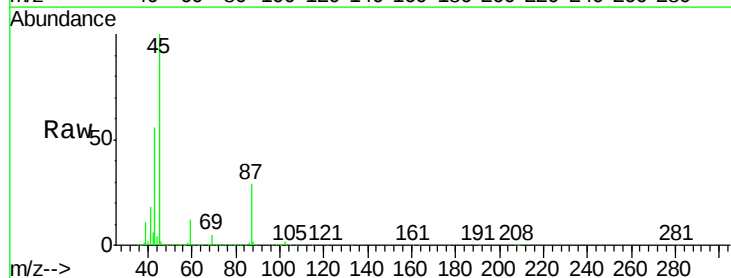
RT: 6.31 min Scan# 722

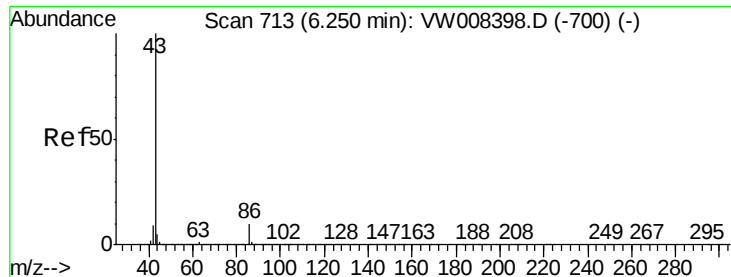
Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion:	45	Resp:	828665
Ion	Ratio	Lower	Upper
45	100		
43	55.6	42.6	63.8
87	28.5	20.3	30.5
59	11.8	8.4	12.6





#23

Vinyl Acetate

Concen: 228.118 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2403758

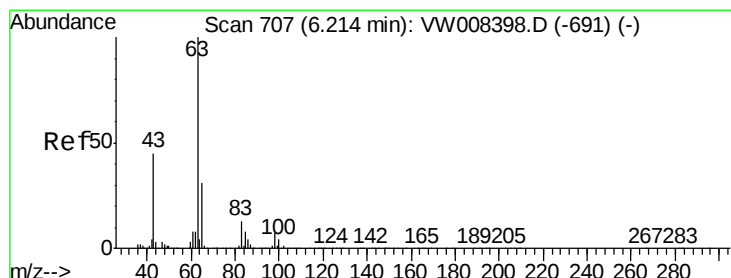
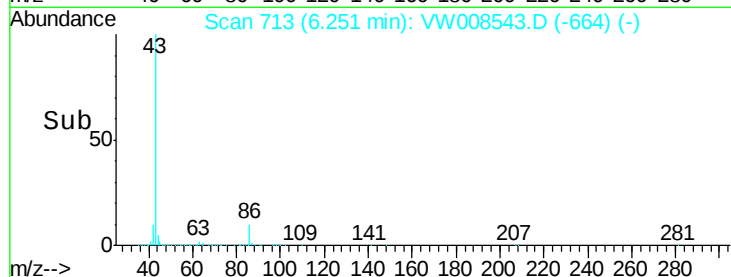
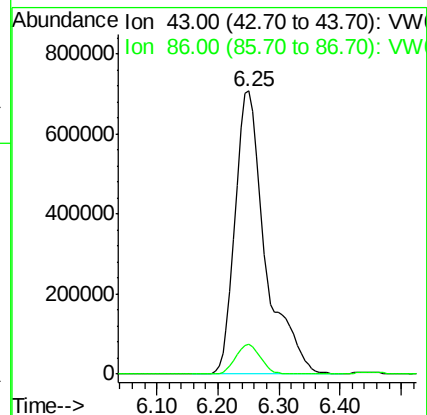
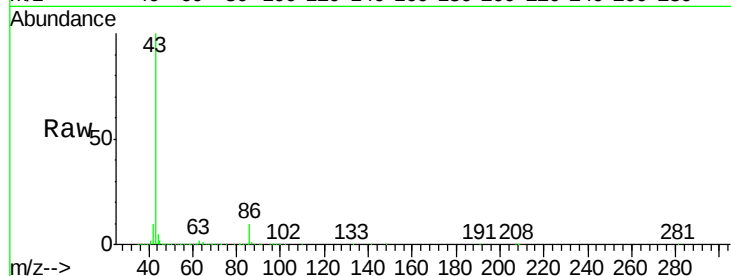
Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 49.712 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

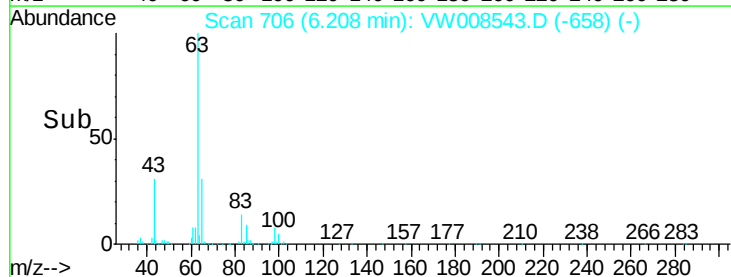
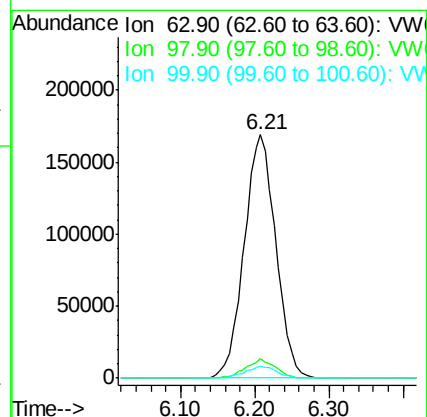
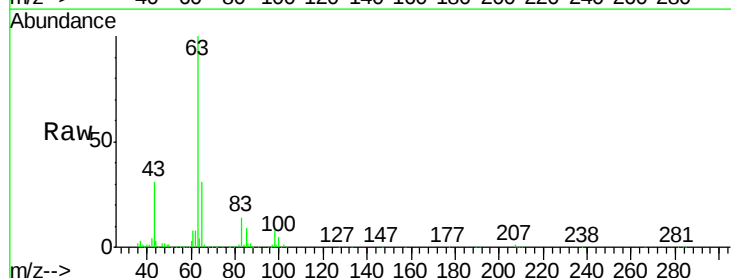
Tgt Ion: 63 Resp: 502151

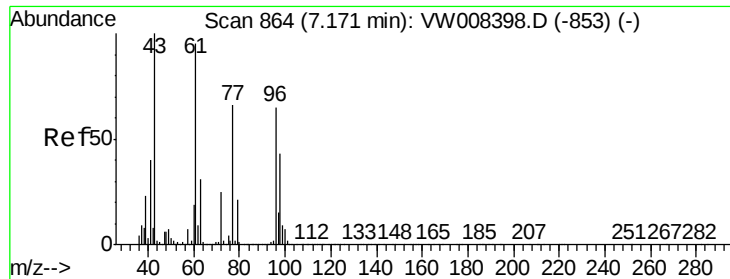
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 4.8 2.1 6.2





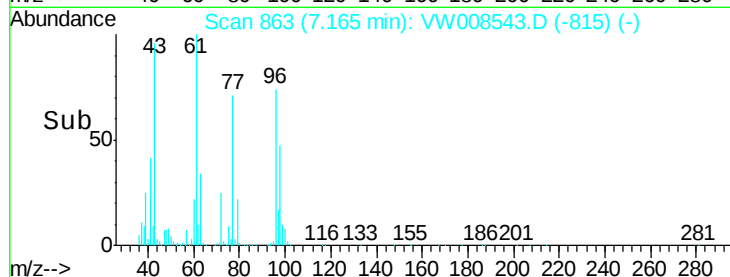
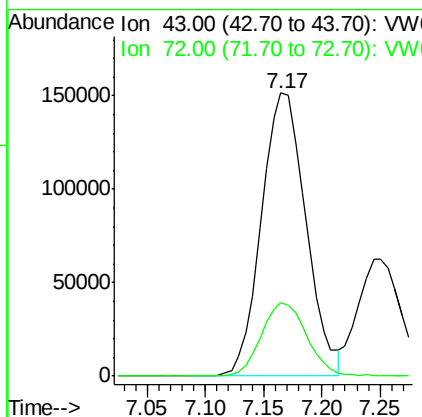
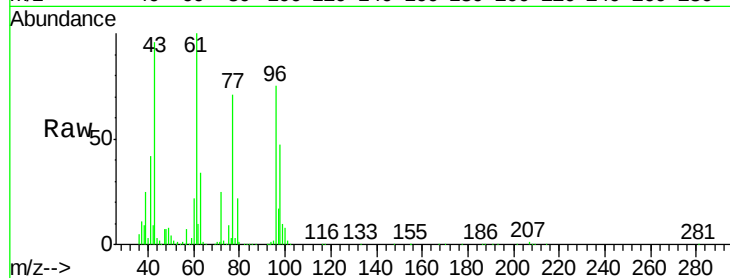
#25
2-Butanone
Concen: 241.081 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 400202
Ion Ratio Lower Upper
43 100
72 25.9 20.1 30.1

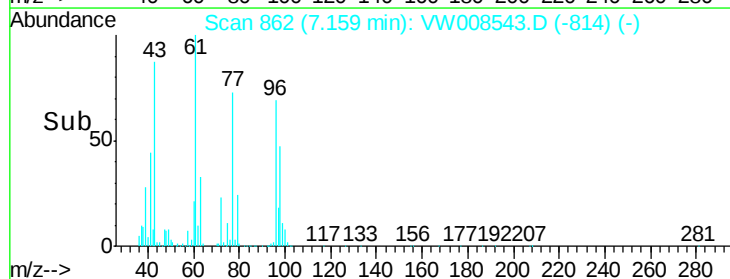
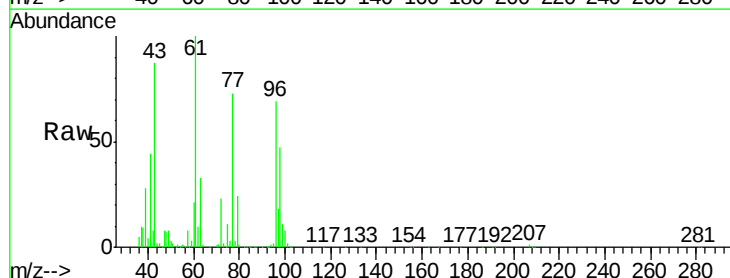
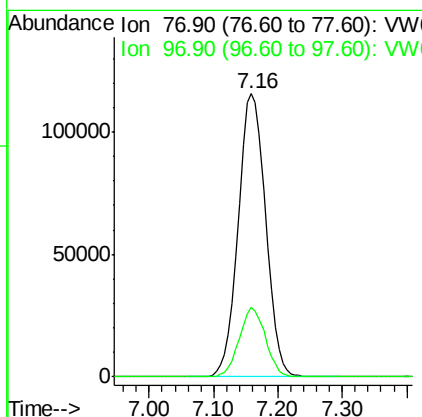
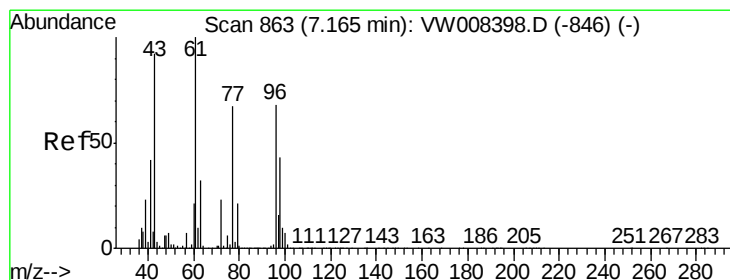
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 49.694 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion: 77 Resp: 339301
Ion Ratio Lower Upper
77 100
97 23.4 11.5 34.5





#27

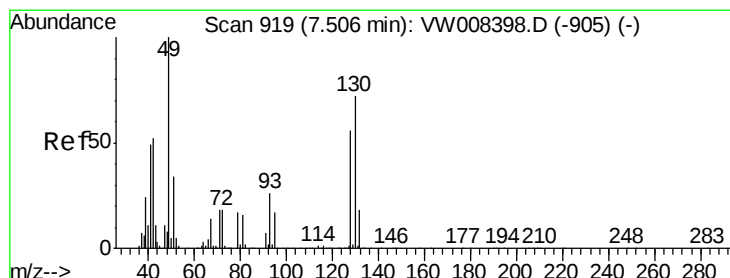
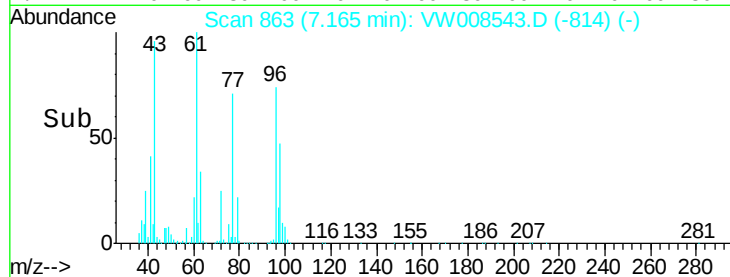
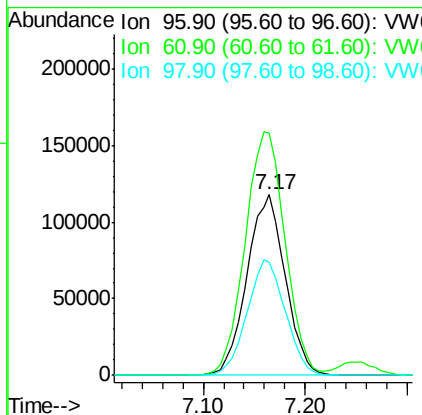
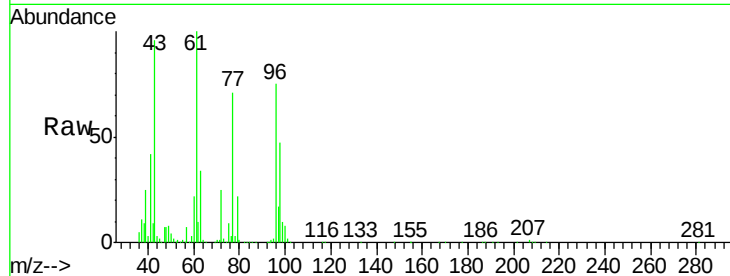
cis-1,2-Dichloroethene
Concen: 50.579 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	292.8
98	63.9	0.0	129.2

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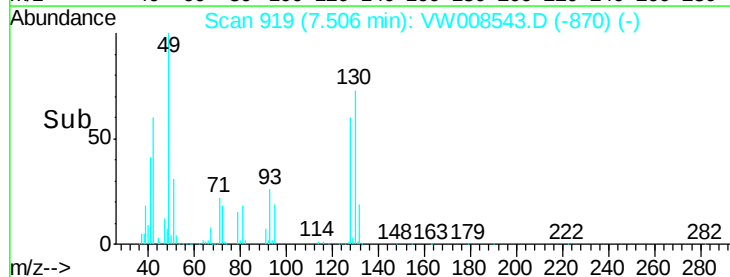
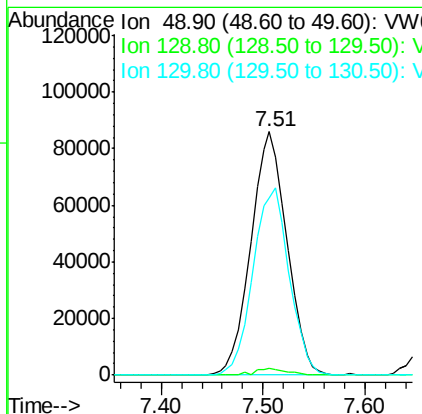
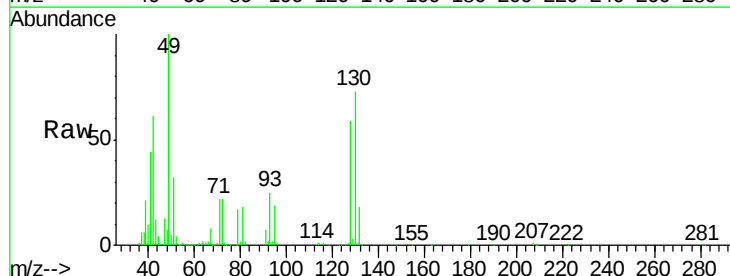
MMDadoda
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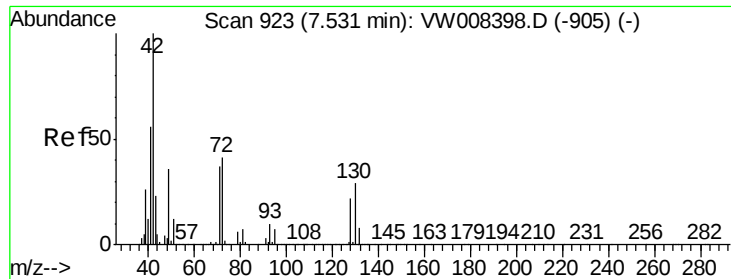


#28

Bromochloromethane
Concen: 45.597 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	77.2	58.6	87.8





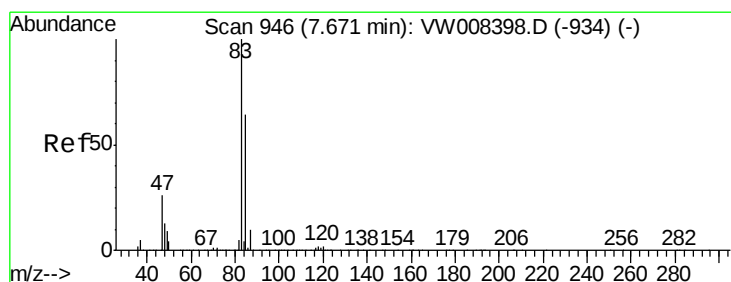
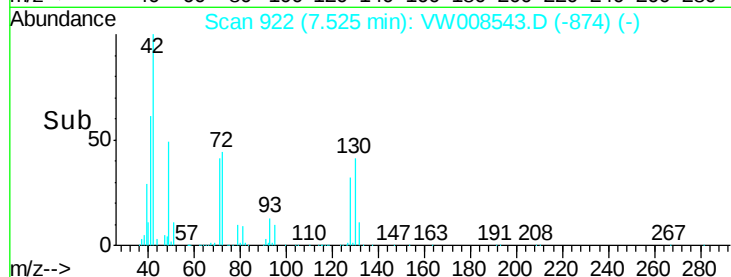
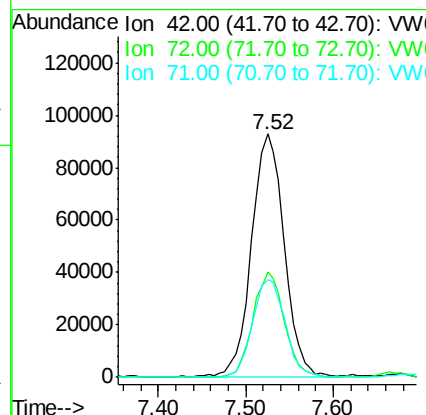
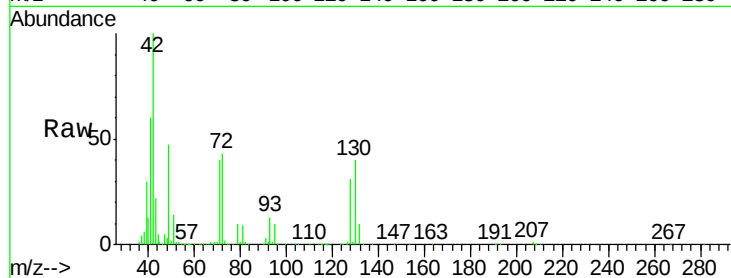
#29
Tetrahydrofuran
Concen: 229.242 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	31.9	47.9
71	40.2	29.9	44.9

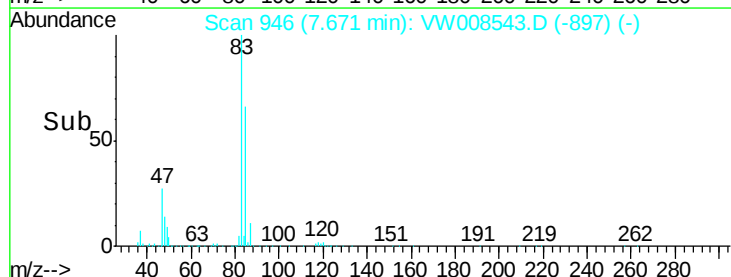
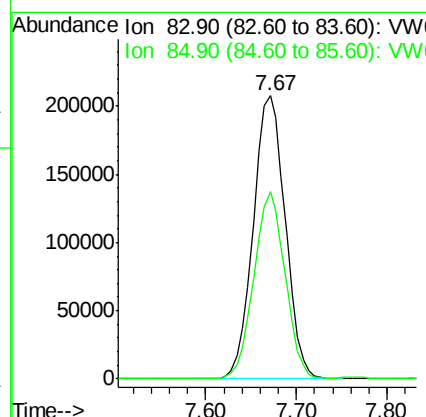
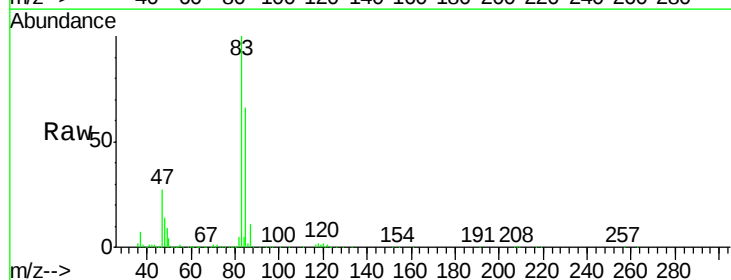
Manual Integrations
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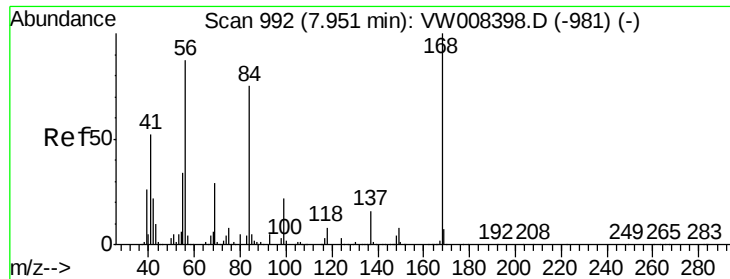
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#30
Chloroform
Concen: 50.875 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.9	76.3





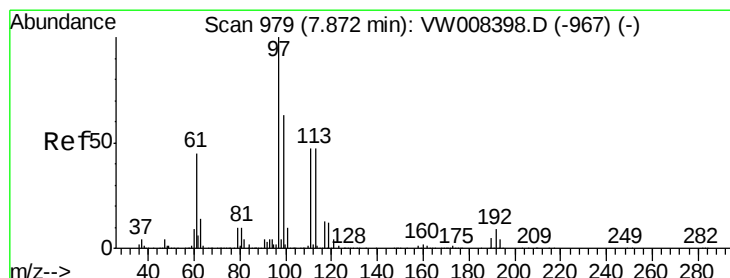
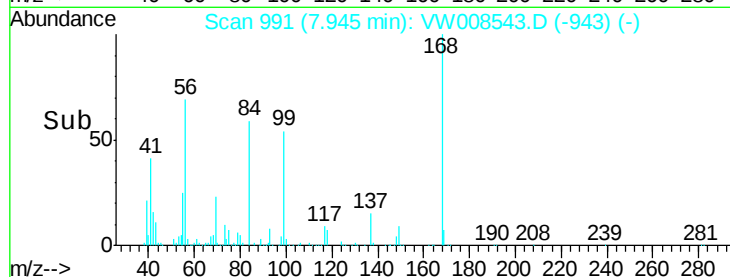
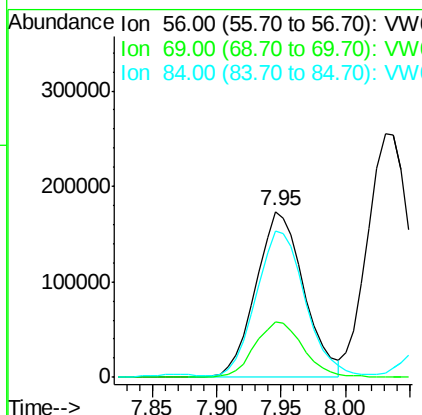
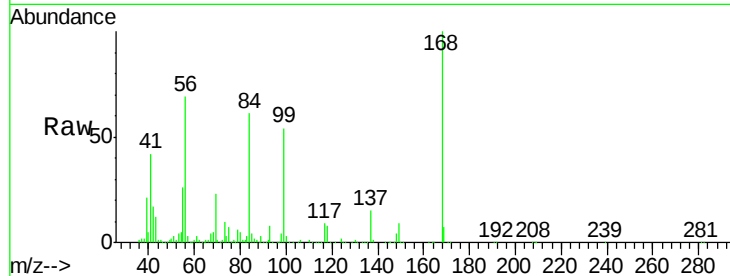
#31
Cvclohexane
Concen: 42.971 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.5	26.4	39.6	
84	86.8	69.1	103.7	

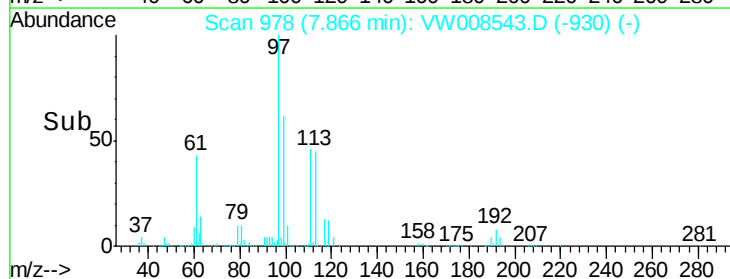
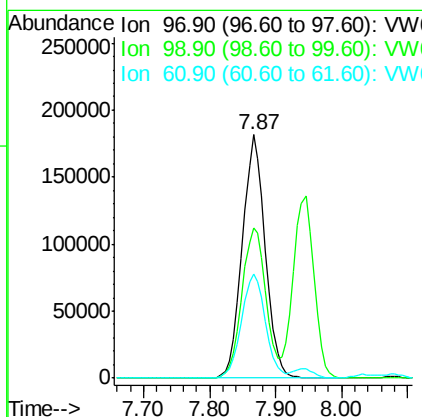
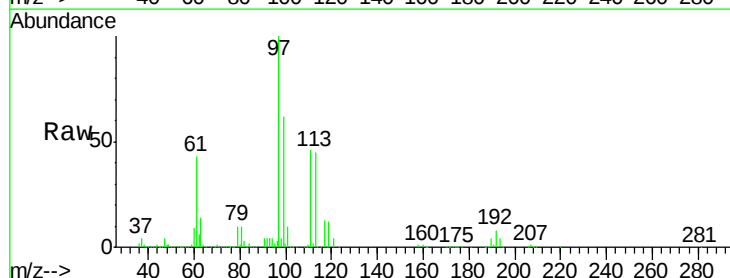
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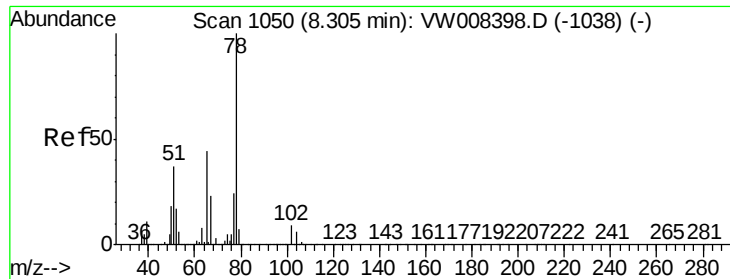
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#32
1,1,1-Trichloroethane
Concen: 51.002 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.2	51.3	76.9	
61	44.6	36.2	54.4	





#33

1,2-Dichloroethane-d4

Concen: 52.189 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 277755

Ion Ratio Lower Upper

65 100

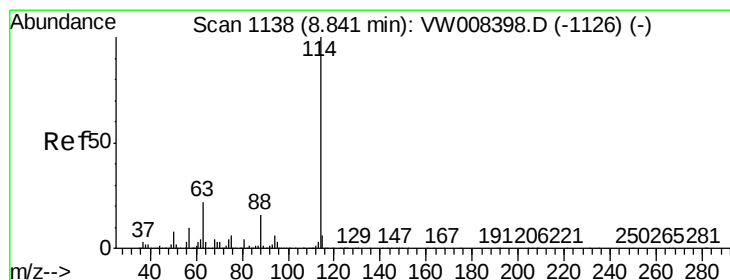
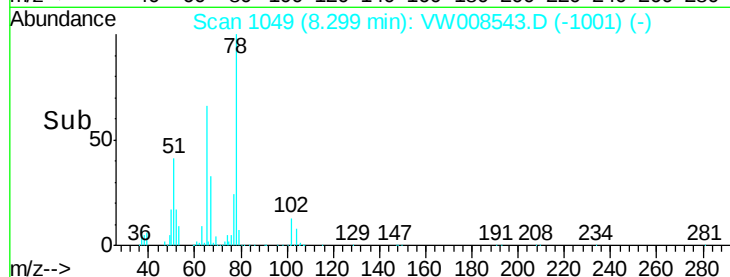
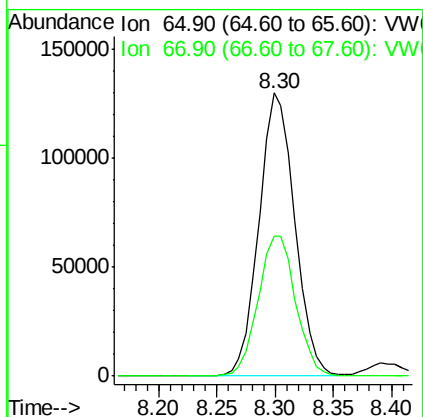
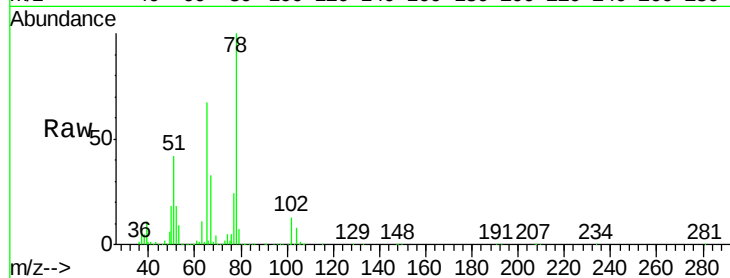
67 51.9 0.0 104.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

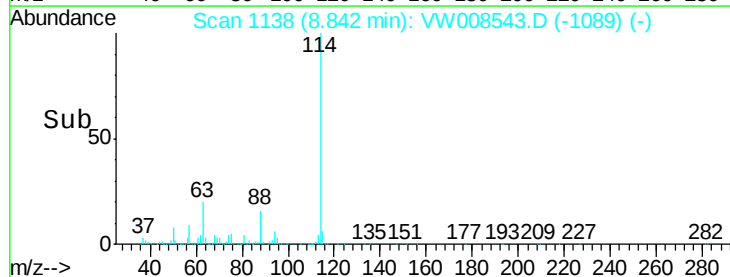
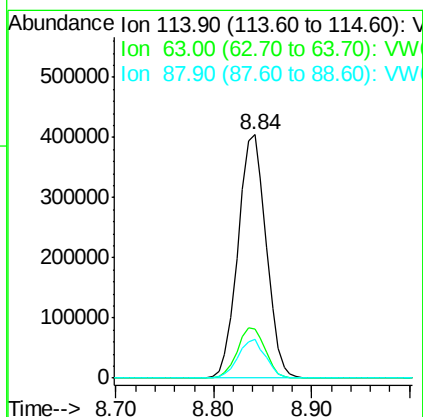
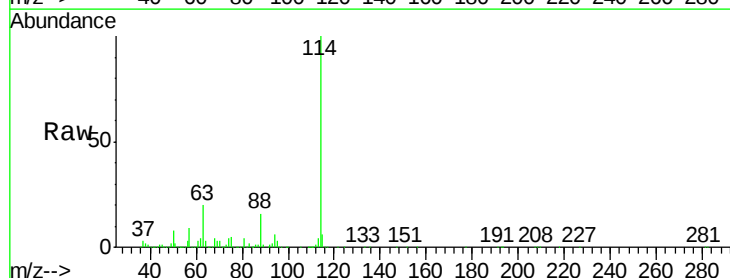
Tgt Ion: 114 Resp: 809215

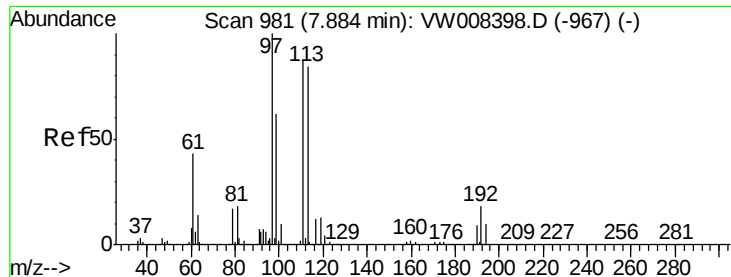
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.6

88 15.8 0.0 31.8





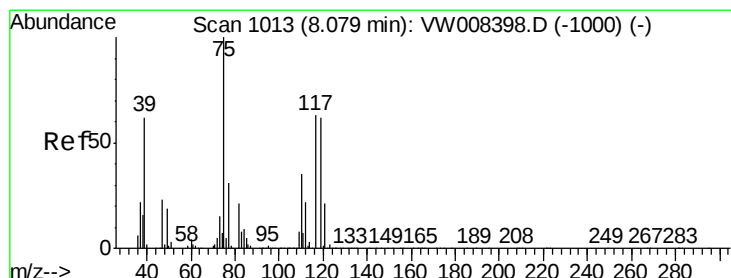
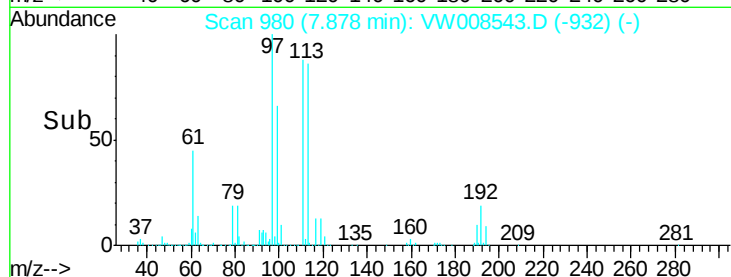
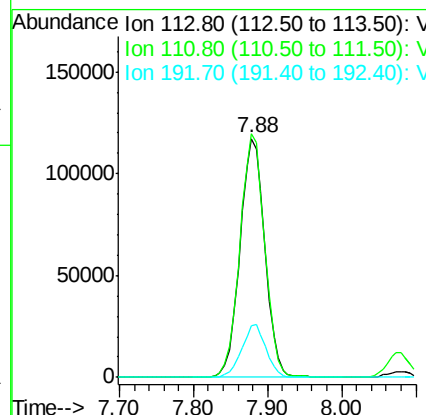
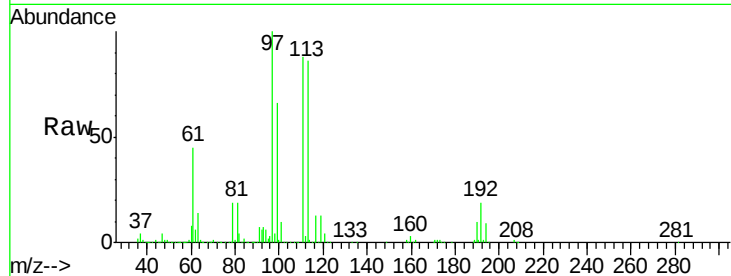
#35
 Dibromofluoromethane
 Concen: 58.004 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008543.D
 Acq: 07 Feb 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.0	121.4
192	21.7	16.8	25.2

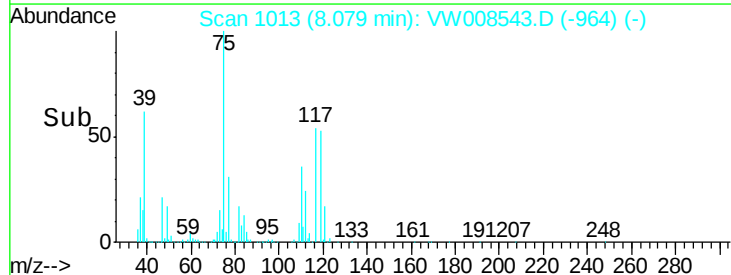
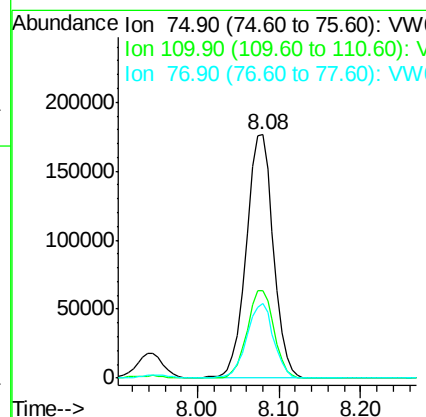
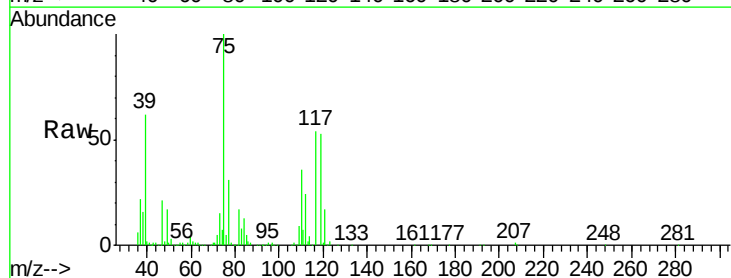
Manual Integrations
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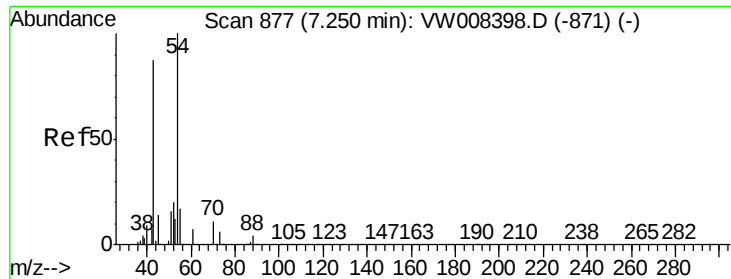
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#36
 1,1-Dichloropropene
 Concen: 53.155 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008543.D
 Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.3	52.0
77	30.6	24.7	37.1





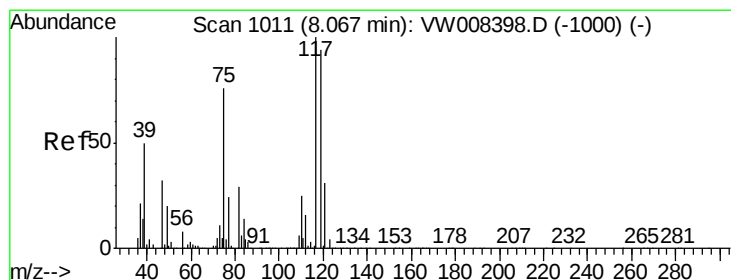
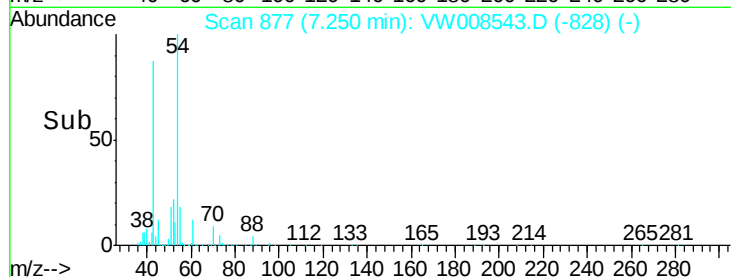
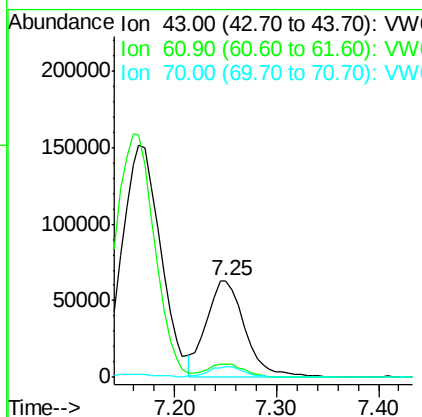
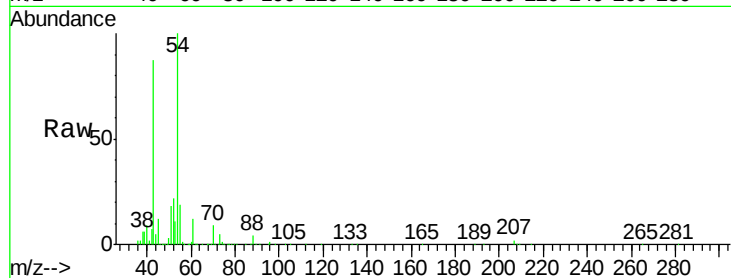
#37
Ethyl Acetate
Concen: 48.700 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.1	15.1
70	10.9	7.8	11.6

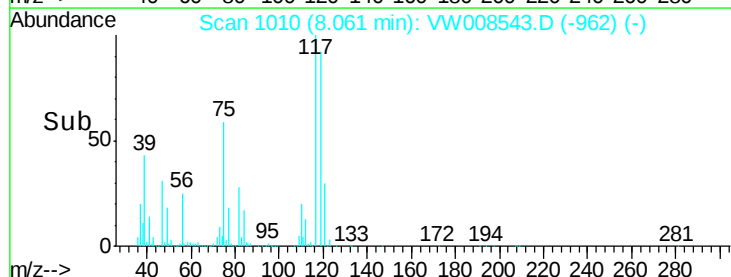
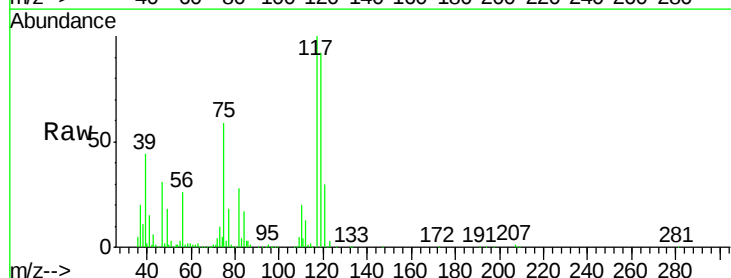
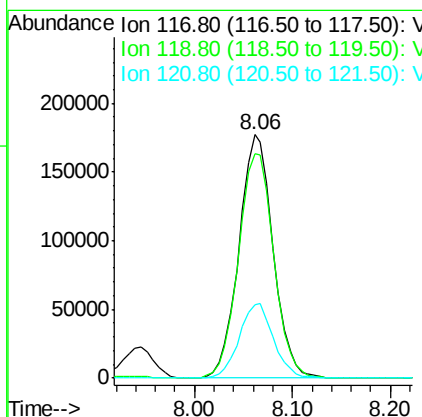
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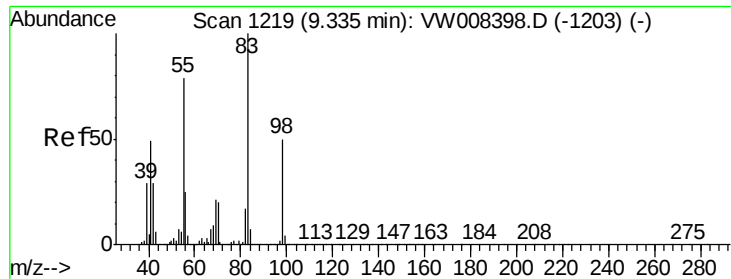
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#38
Carbon Tetrachloride
Concen: 55.416 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.0	112.4
121	30.3	24.9	37.3





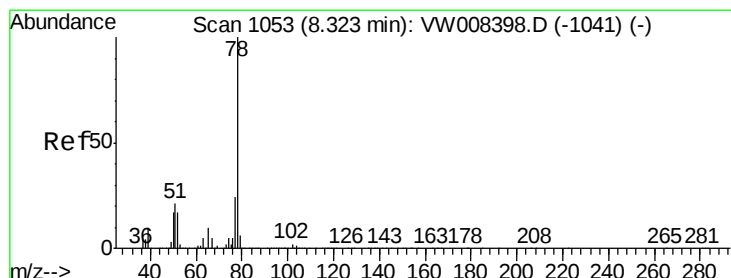
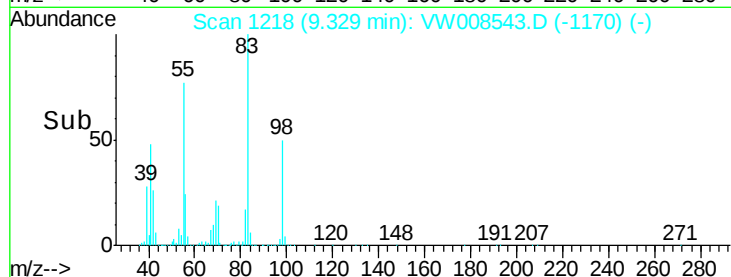
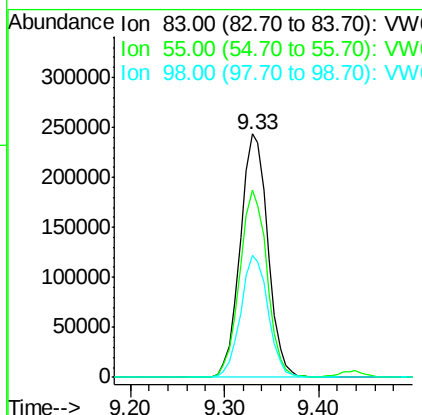
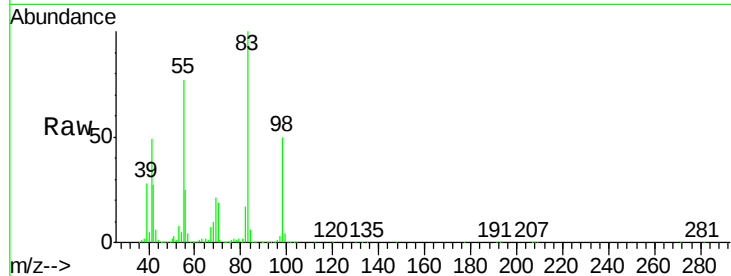
#39
Methvlcvclohexane
Concen: 49.890 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	63.3	94.9
98	50.2	39.7	59.5

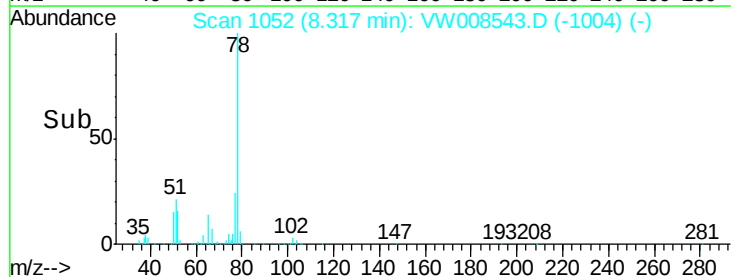
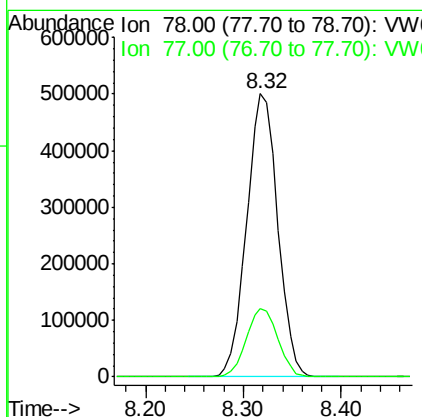
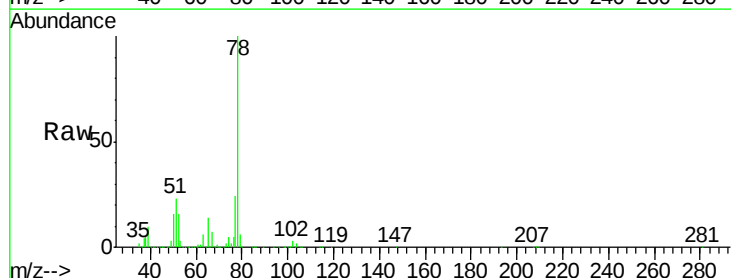
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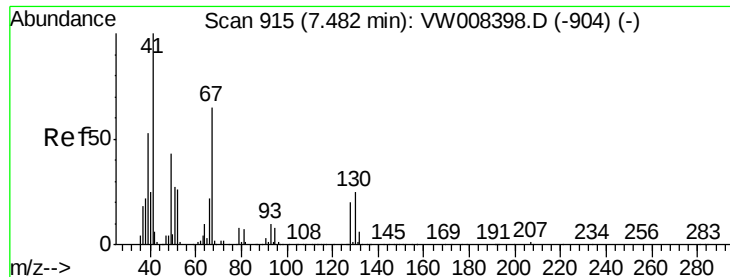
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#40
Benzene
Concen: 51.921 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





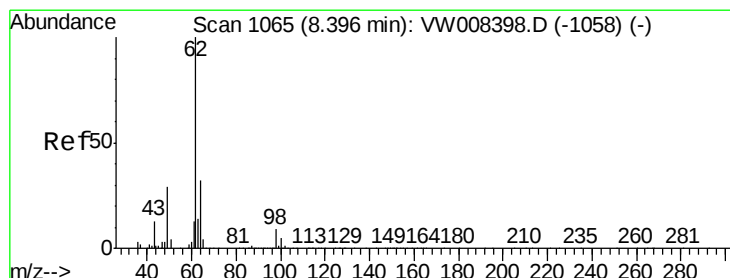
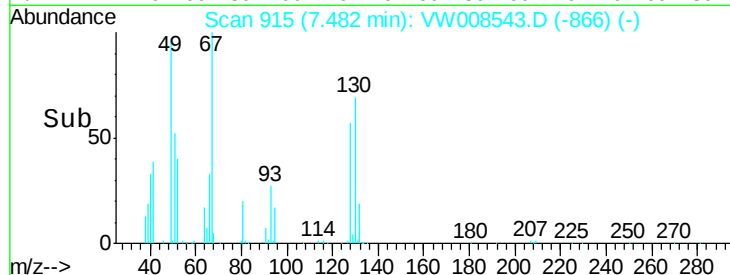
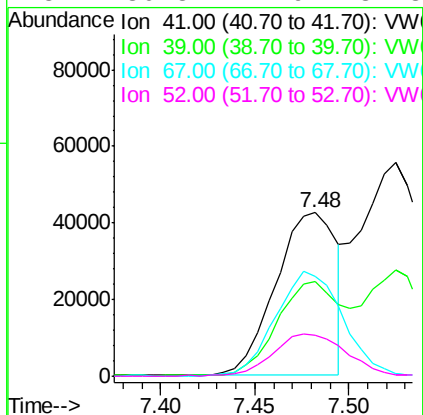
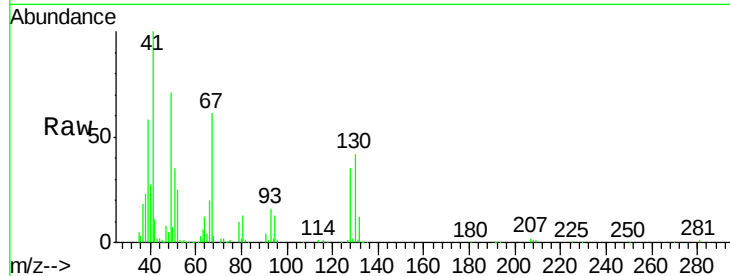
#41
Methacrylonitrile
Concen: 47.740 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		95599		
39	61.4	43.4	65.0		
67	71.2	54.2	81.2		
52	30.8	22.9	34.3		

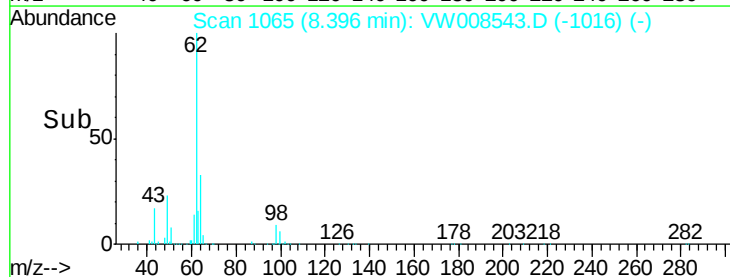
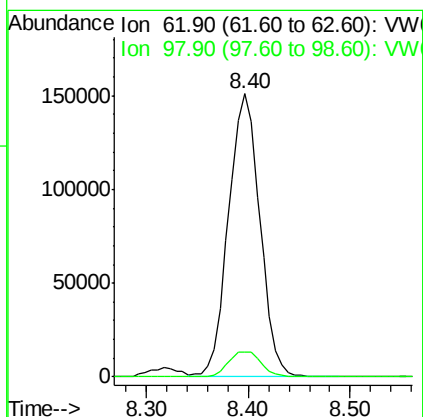
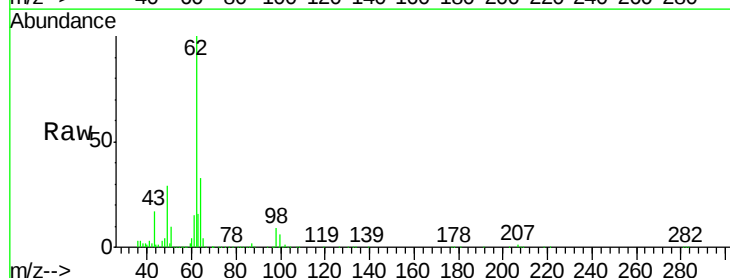
Manual Integrations
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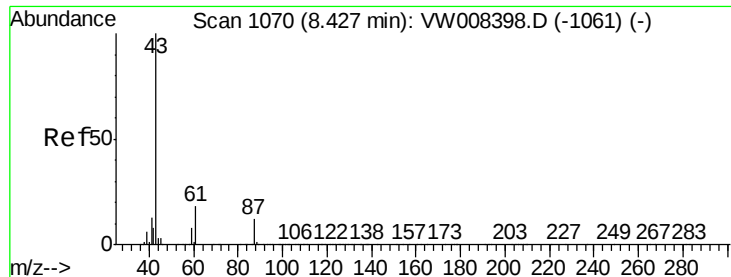
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#42
1,2-Dichloroethane
Concen: 52.250 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		321173		
98	9.5	0.0	18.6		





#43

Isopropyl Acetate

Concen: 48.836 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

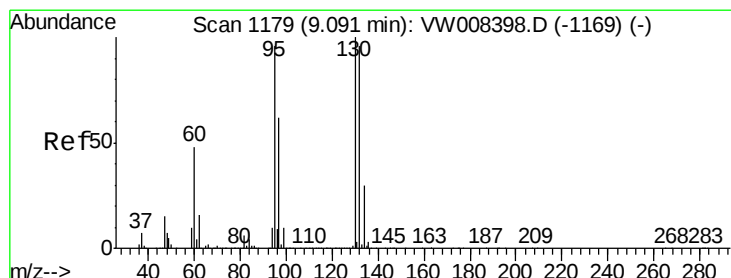
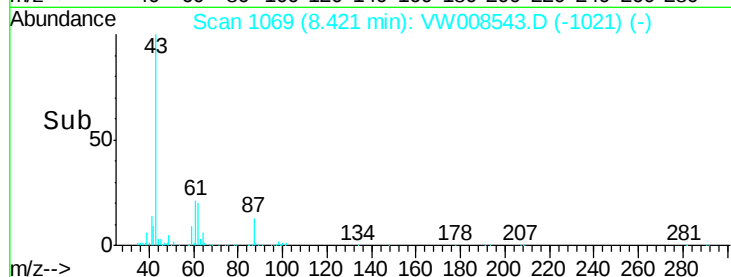
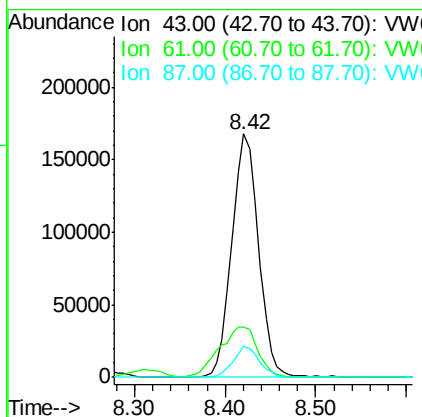
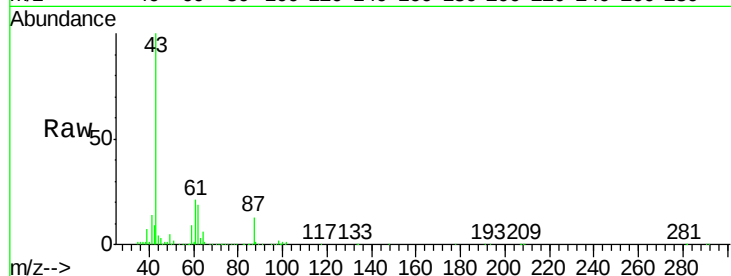
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	343123
Ion	Ratio	Lower	Upper
43	100		
61	29.5	22.0	33.0
87	12.5	9.3	13.9

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#44

Trichloroethene

Concen: 54.654 ug/l

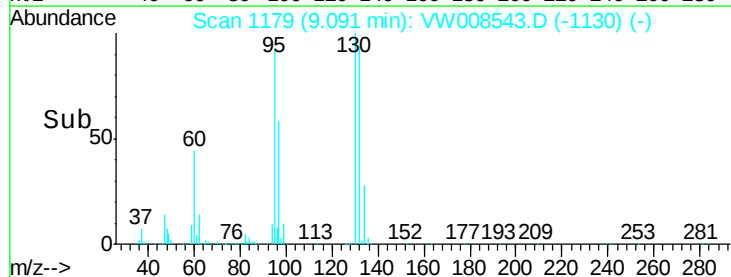
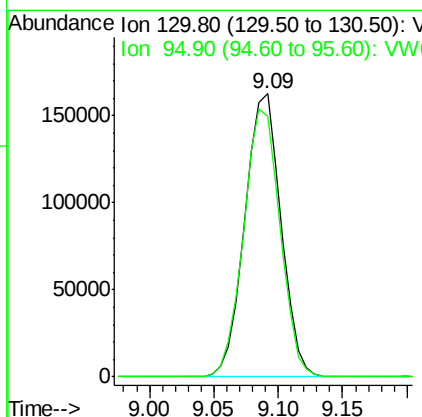
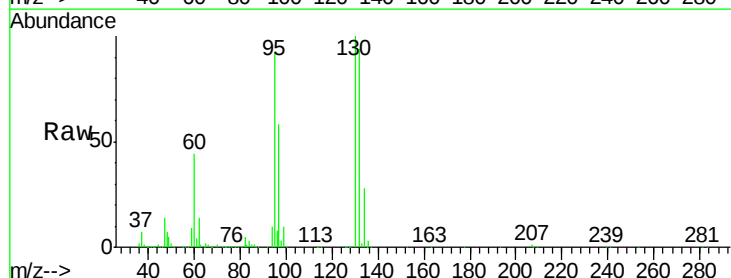
RT: 9.09 min Scan# 1179

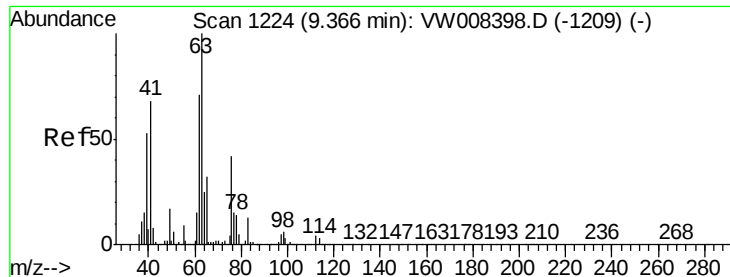
Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion:	130	Resp:	315240
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	191.6





#45

1,2-Dichloropropane

Concen: 51.715 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 273504

Ion Ratio Lower Upper

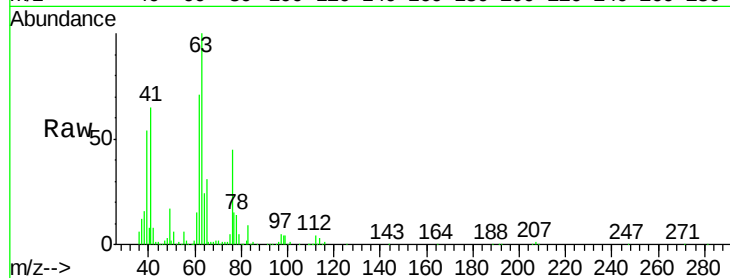
63 100

65 30.6 25.2 37.8

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

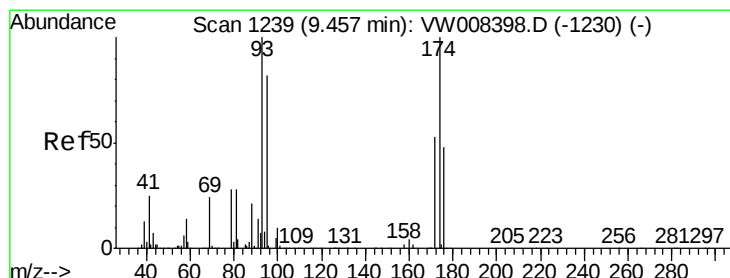
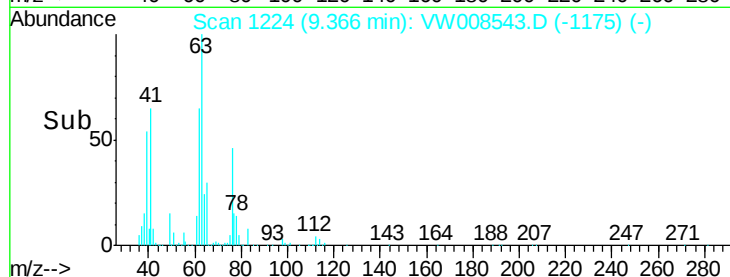
150000

100000

50000

0

Time--> 9.20 9.30 9.40 9.50



#46

Dibromomethane

Concen: 51.673 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

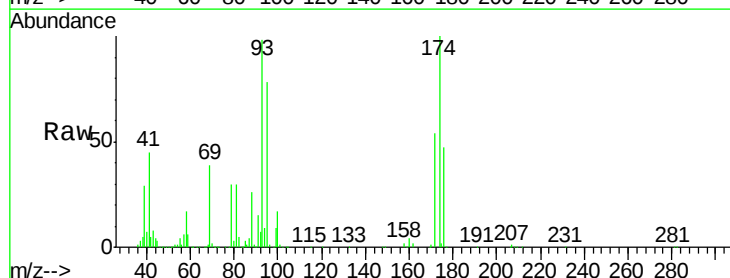
Tgt Ion: 93 Resp: 140559

Ion Ratio Lower Upper

93 100

95 84.5 65.9 98.9

174 109.4 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

100000

80000

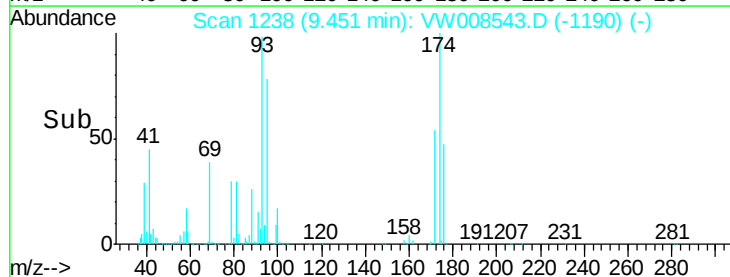
60000

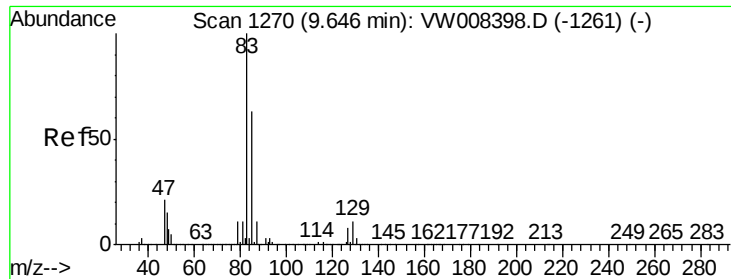
40000

20000

0

Time--> 9.35 9.40 9.45 9.50 9.55





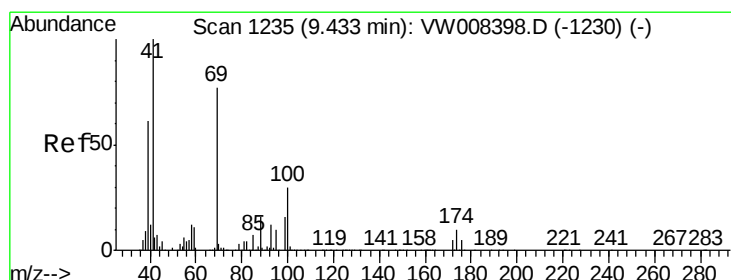
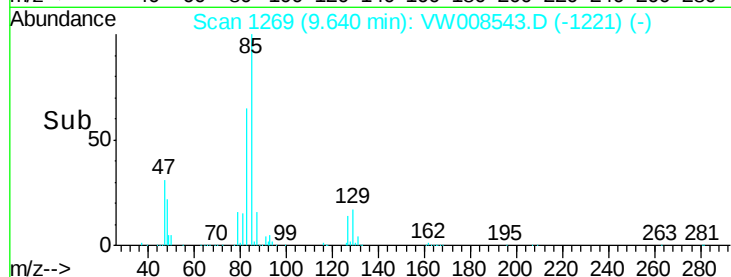
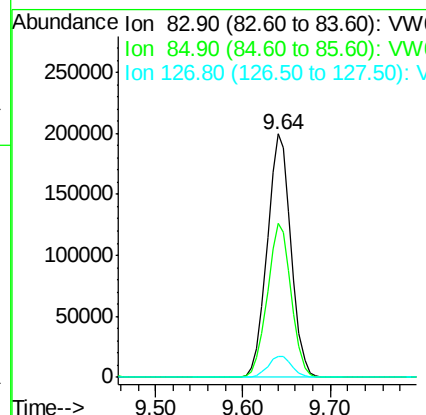
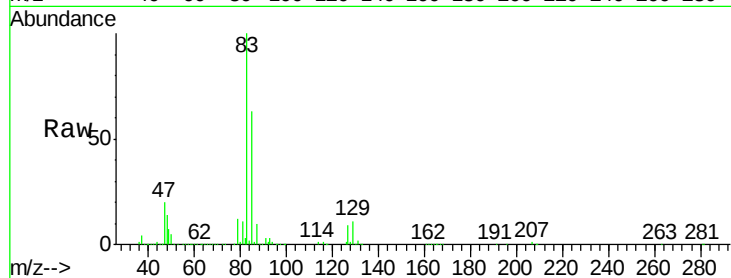
#47
Bromodichloromethane
Concen: 52.637 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	378717		
85	63.2	50.8	76.2	
127	8.5	6.8	10.2	

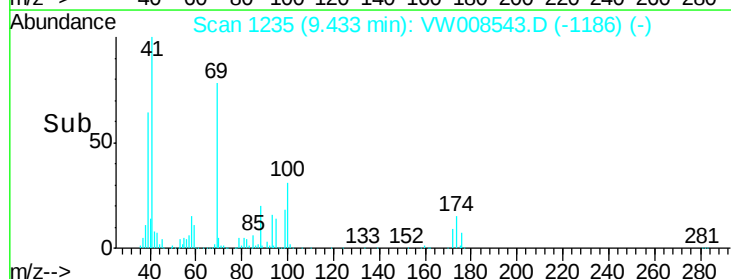
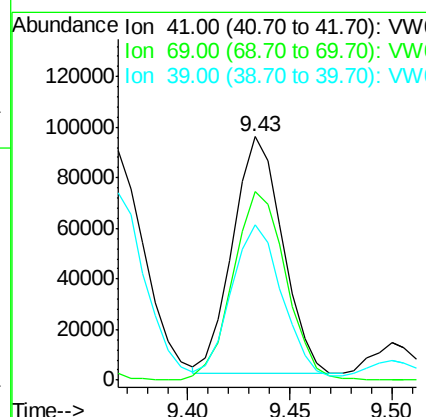
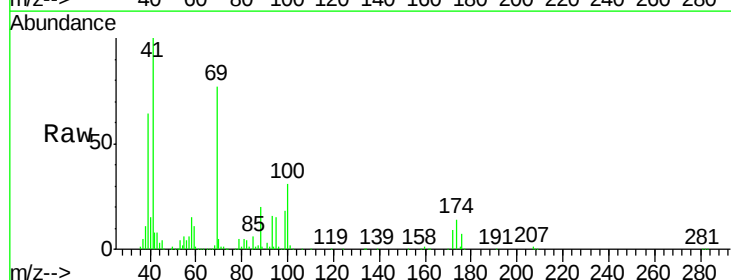
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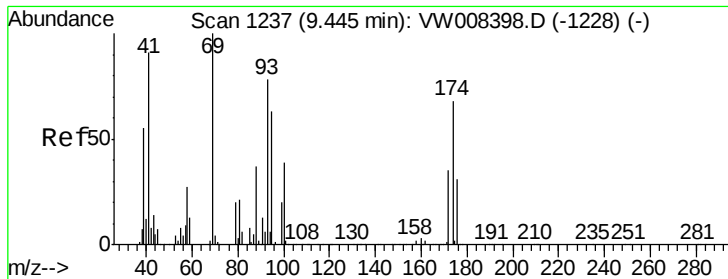
MMDadoda
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#48
Methyl methacrylate
Concen: 46.101 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	158378		
69	84.3	64.8	97.2	
39	68.1	49.1	73.7	





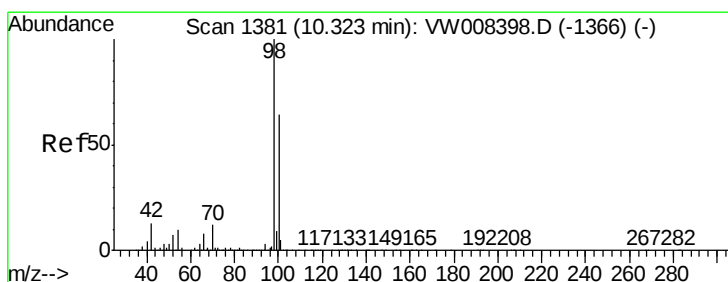
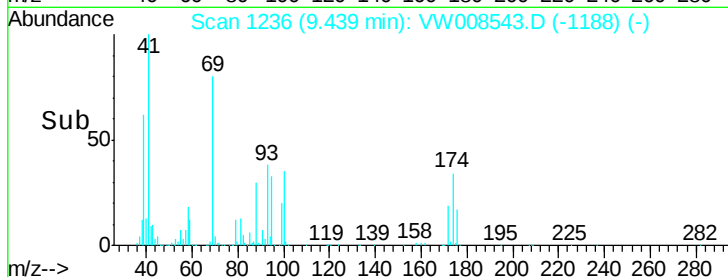
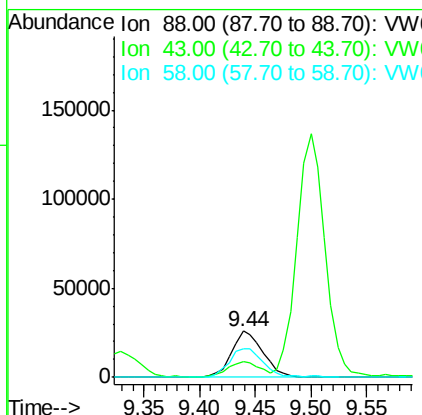
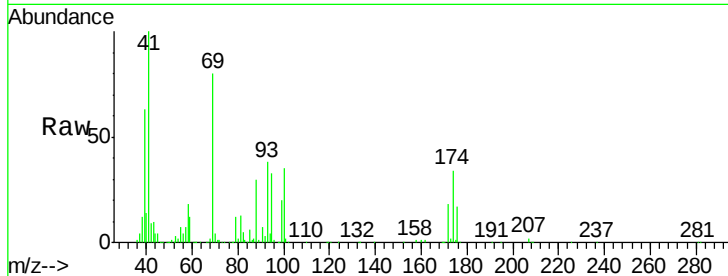
#49
1,4-Dioxane
Concen: 1093.209 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	29.0	43.4
58	68.5	56.4	84.6

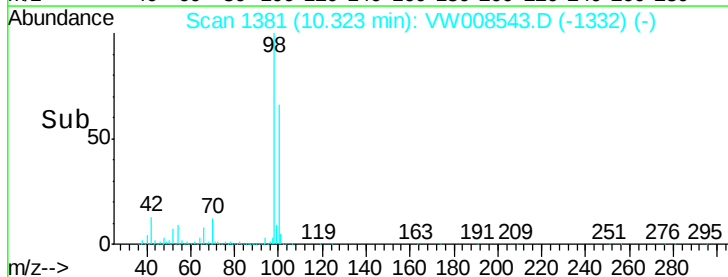
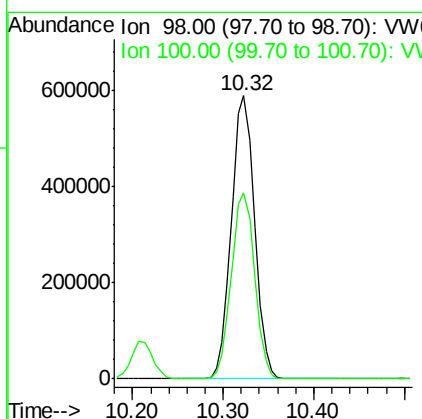
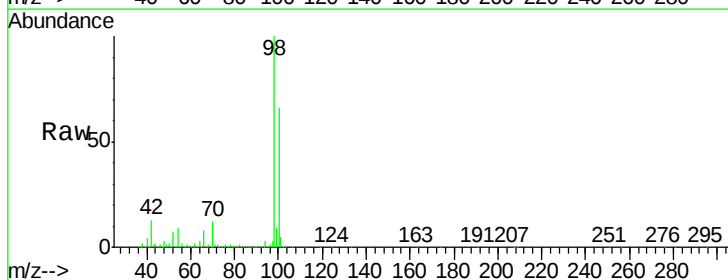
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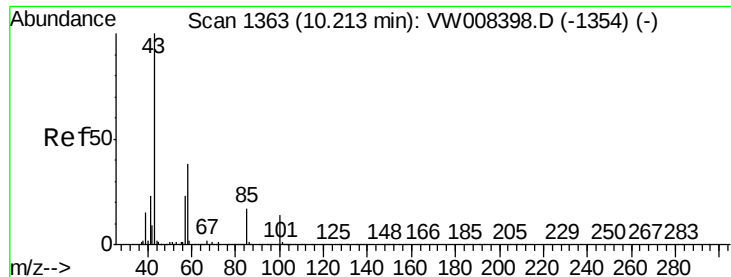
MMDadoda
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#50
Toluene-d8
Concen: 55.219 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 243.230 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 844266

Ion Ratio Lower Upper

43 100

58 37.4

29.7

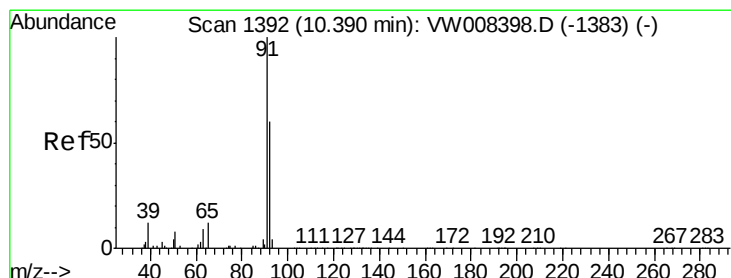
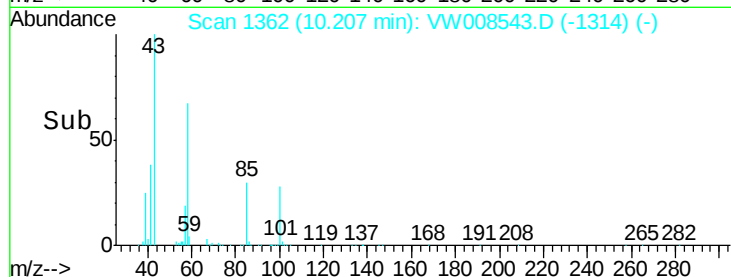
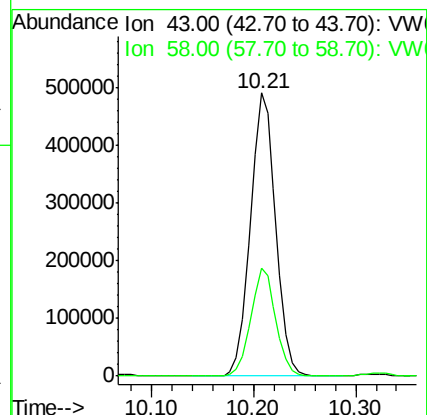
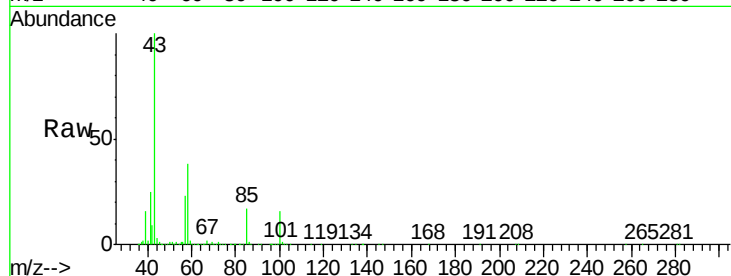
44.5

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#52

Toluene

Concen: 50.791 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion: 92 Resp: 711166

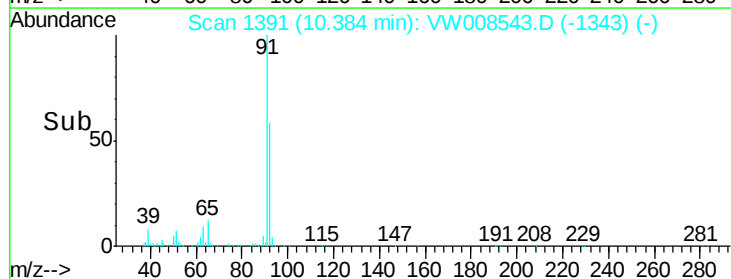
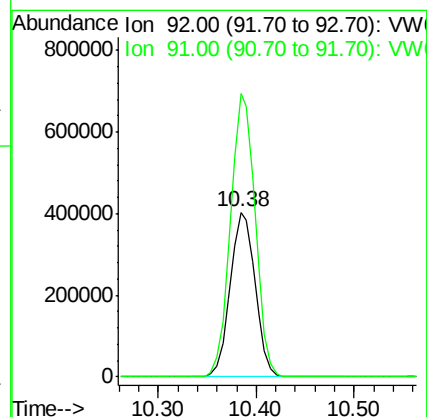
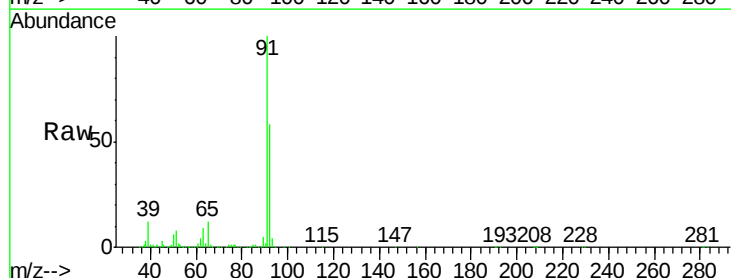
Ion Ratio Lower Upper

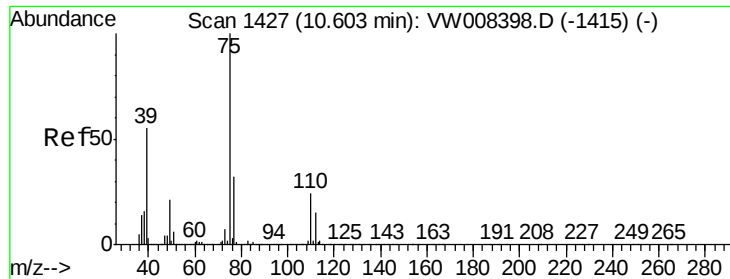
92 100

91 170.4

135.5

203.3





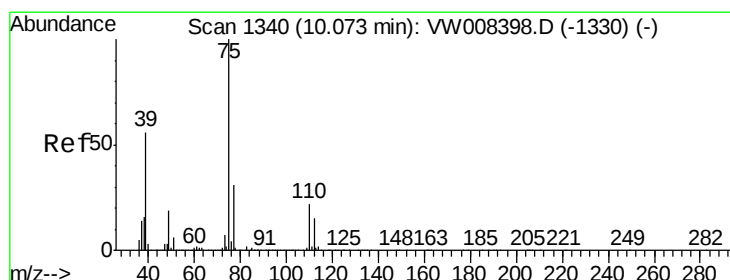
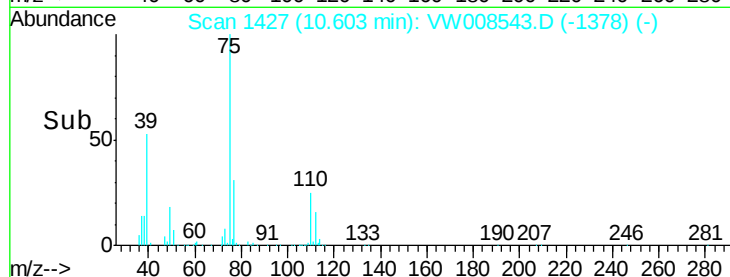
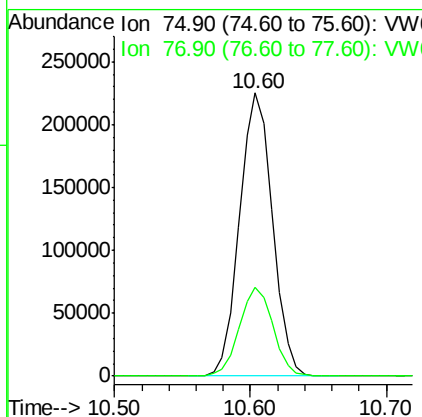
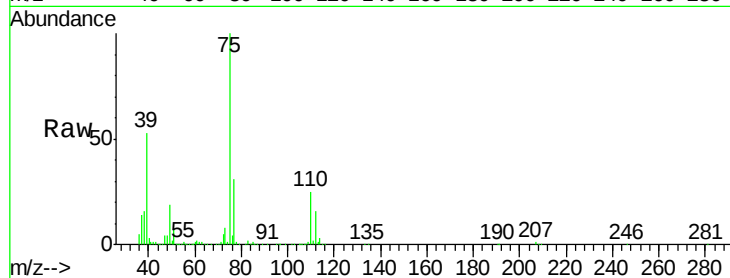
#53
t-1,3-Dichloropropene
Concen: 49.787 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9

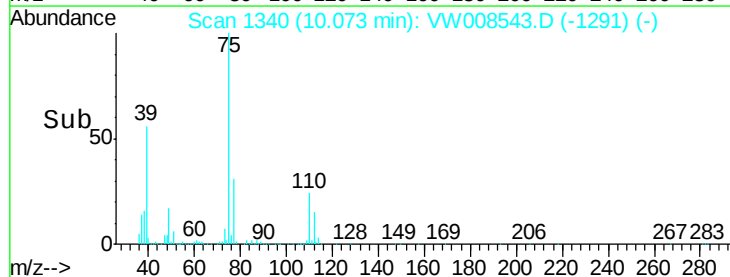
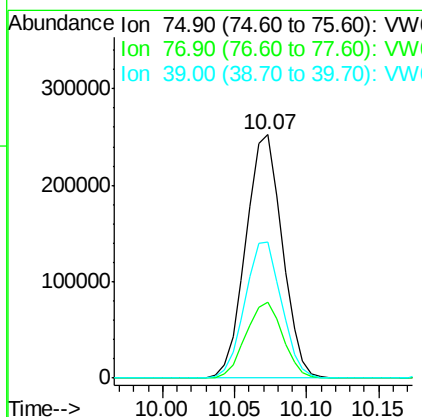
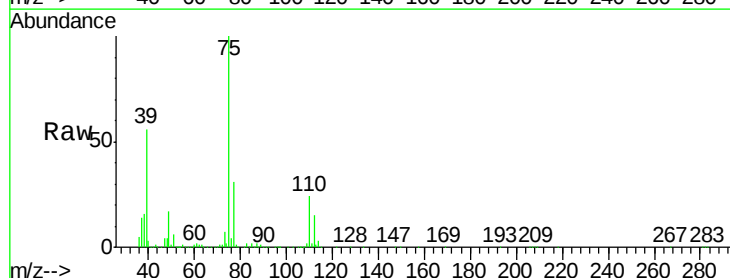
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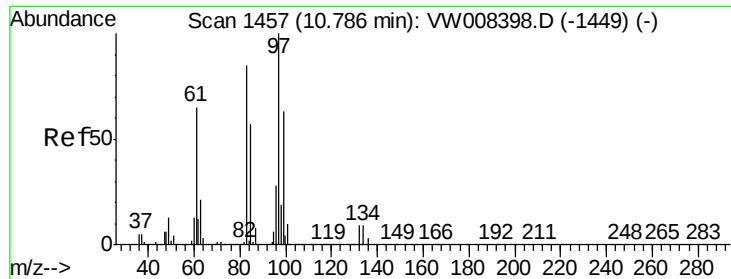
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#54
cis-1,3-Dichloropropene
Concen: 50.925 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	55.7	44.9	67.3





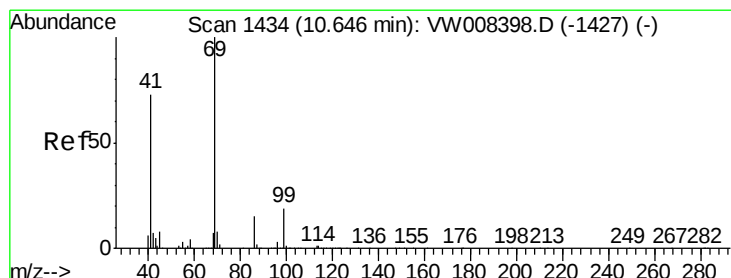
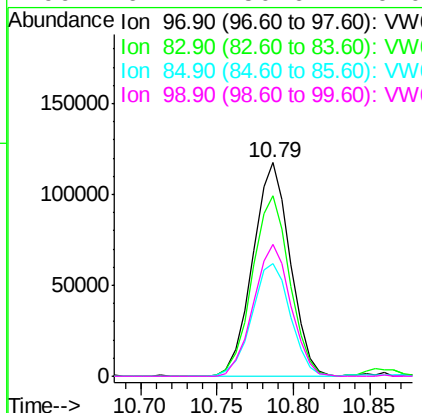
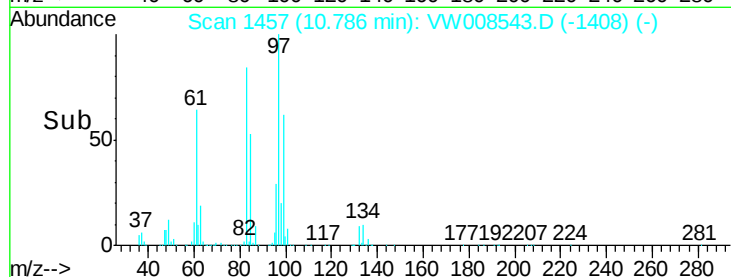
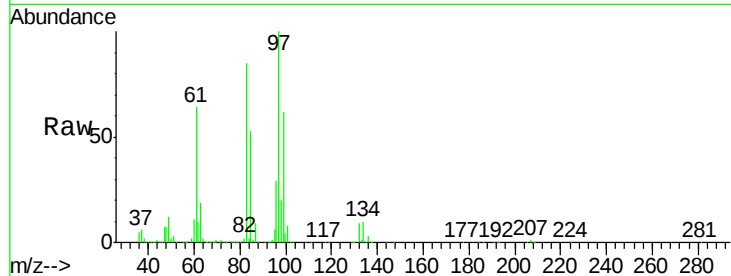
#55
 1,1,2-Trichloroethane
 Concen: 52.669 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008543.D
 Acq: 07 Feb 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	198721
Ion Ratio	Lower	Upper	
97	100		
83	84.7	68.4	102.6
85	52.8	45.3	67.9
99	61.7	50.6	76.0

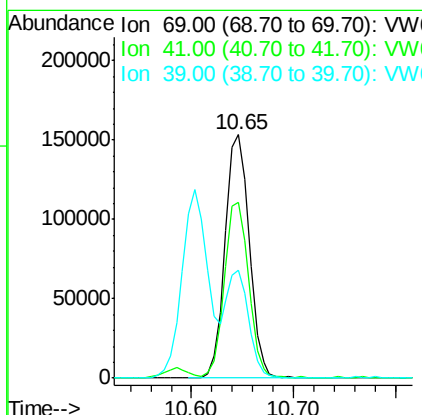
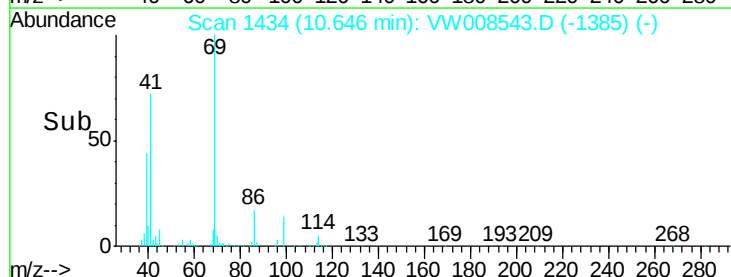
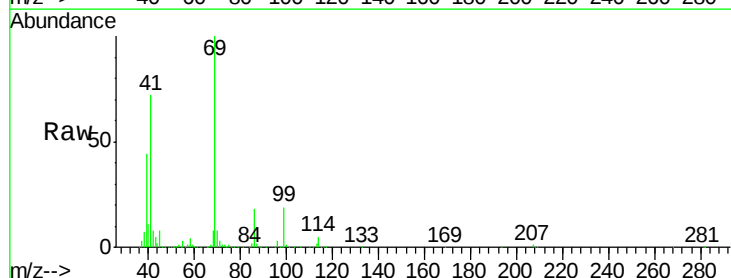
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#56
 Ethyl methacrylate
 Concen: 47.560 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008543.D
 Acq: 07 Feb 2019 10:43

Tgt Ion	69	Resp	251442
Ion Ratio	Lower	Upper	
69	100		
41	72.1	58.7	88.1
39	40.2	32.6	48.8





#57

1,3-Dichloropropane

Concen: 51.687 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 349372

Ion Ratio Lower Upper

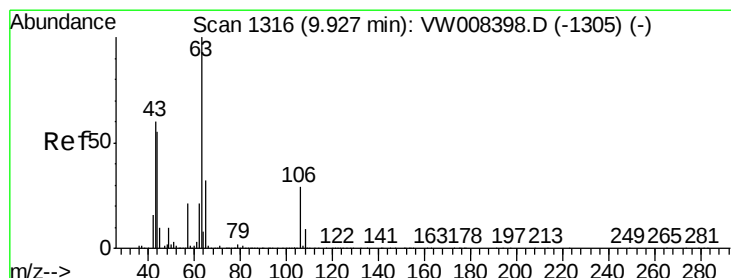
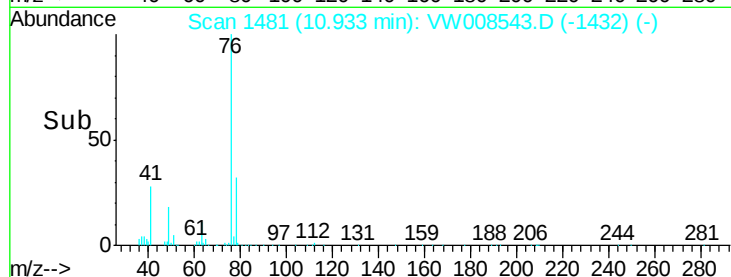
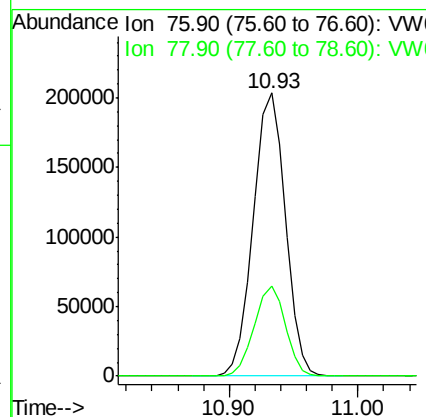
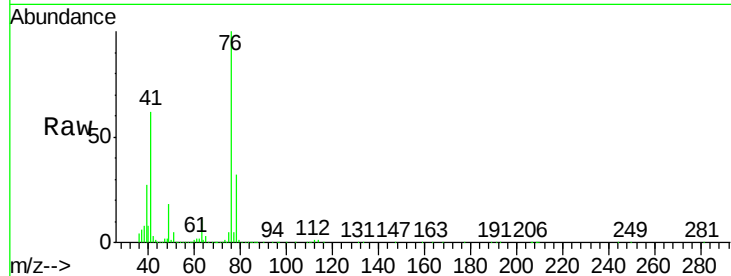
76 100

78 31.2 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 249.146 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008543.D

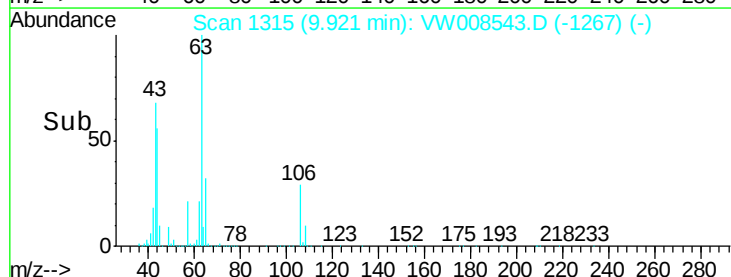
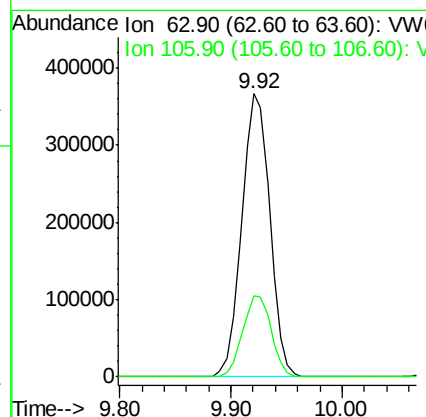
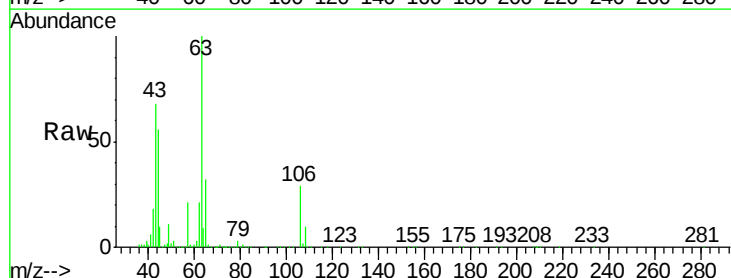
Acq: 07 Feb 2019 10:43

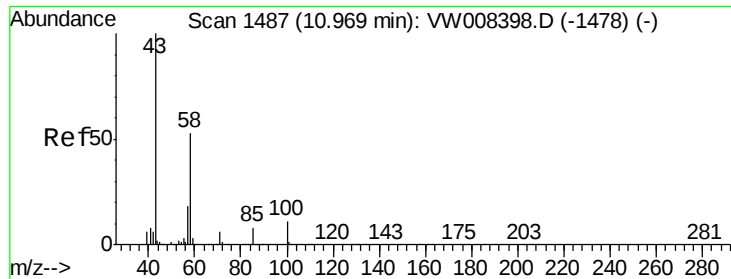
Tgt Ion: 63 Resp: 639987

Ion Ratio Lower Upper

63 100

106 29.3 22.4 33.6





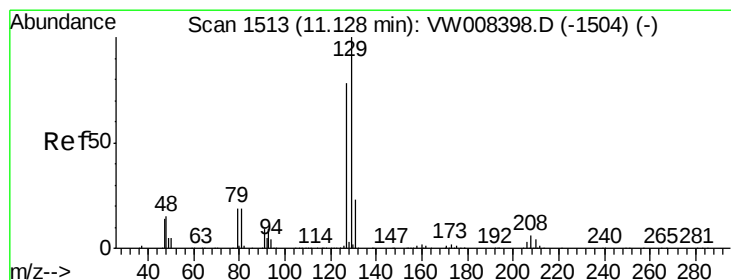
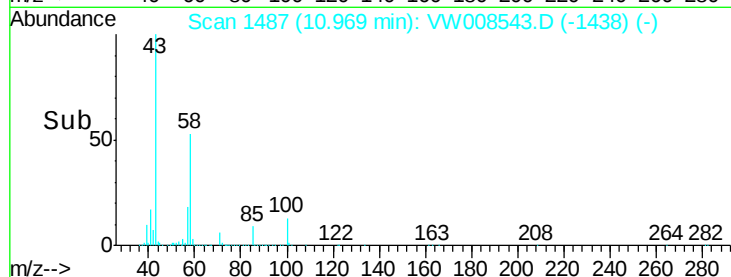
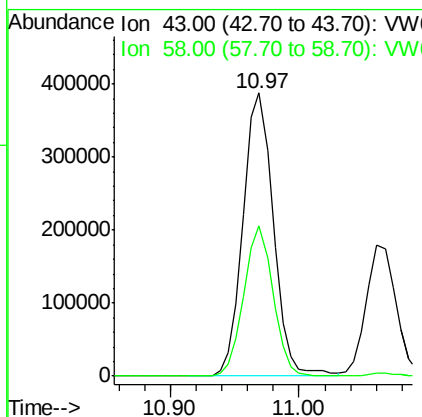
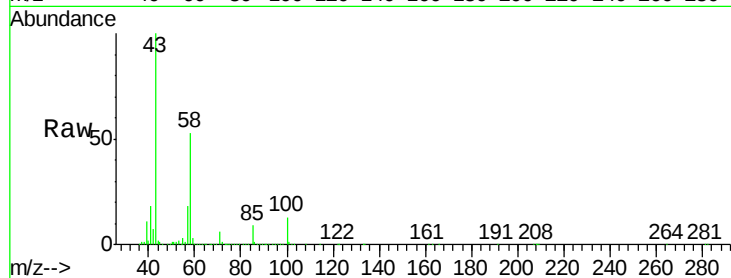
#59
2-Hexanone
Concen: 257.068 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 629925
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

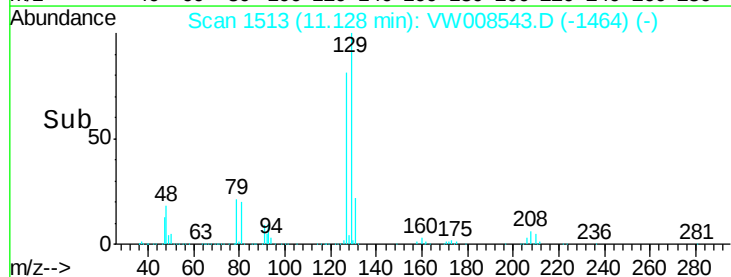
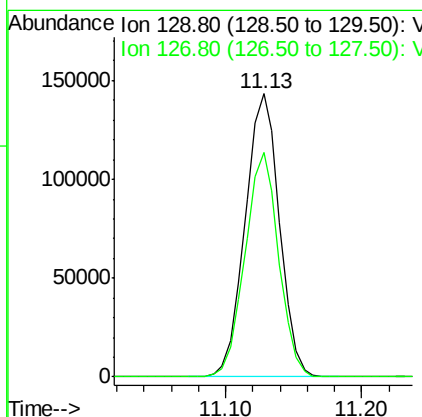
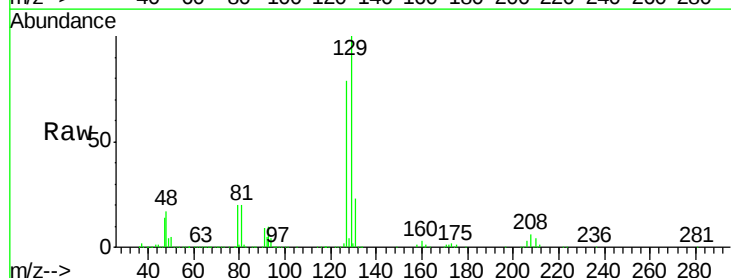
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#60
Dibromochloromethane
Concen: 52.194 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion: 129 Resp: 253072
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





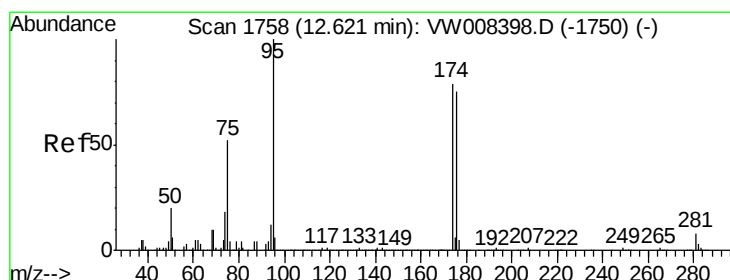
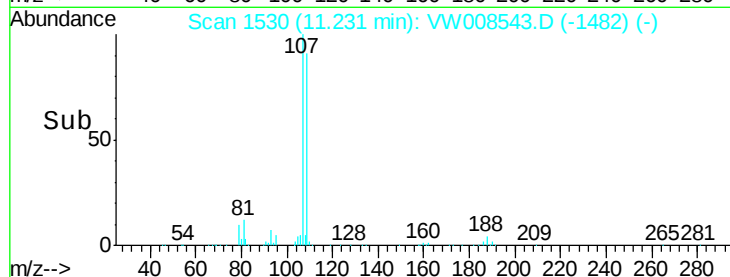
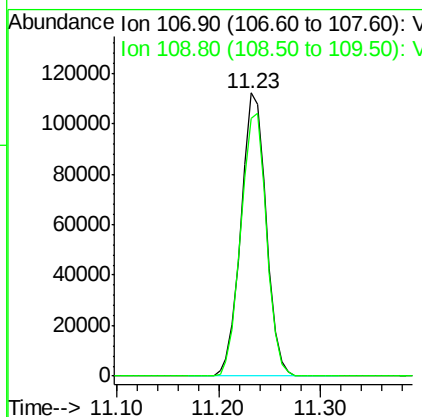
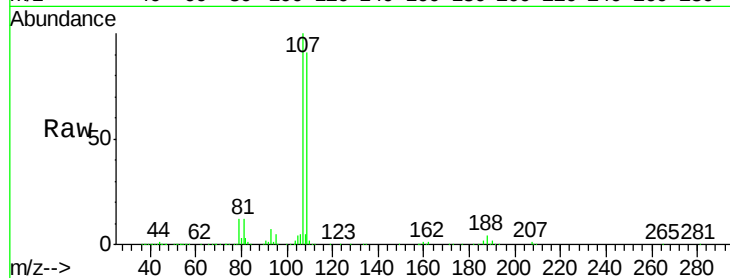
#61
 1,2-Dibromoethane
 Concen: 51.321 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008543.D
 Acq: 07 Feb 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.0	112.4

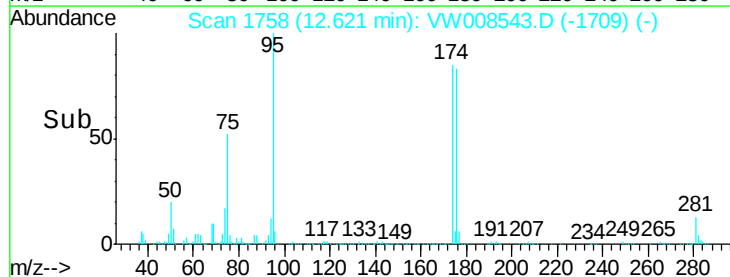
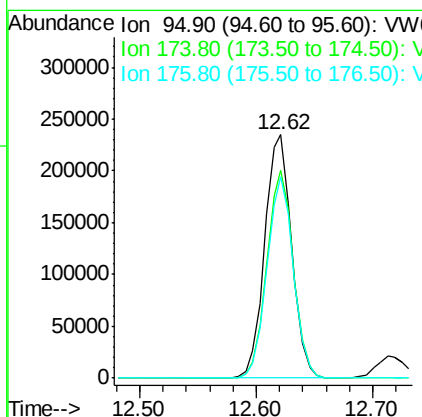
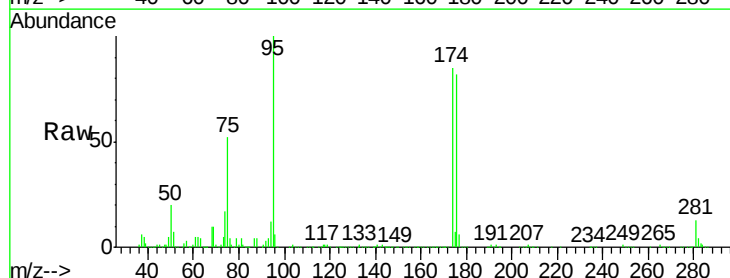
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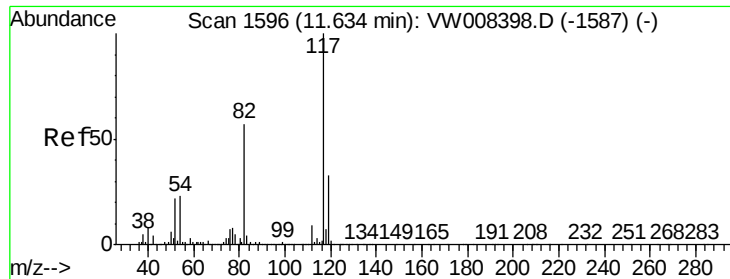
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 2/11/2019 12:38:22 PM



#62
 4-Bromofluorobenzene
 Concen: 51.715 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008543.D
 Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	157.6
176	80.9	0.0	151.8





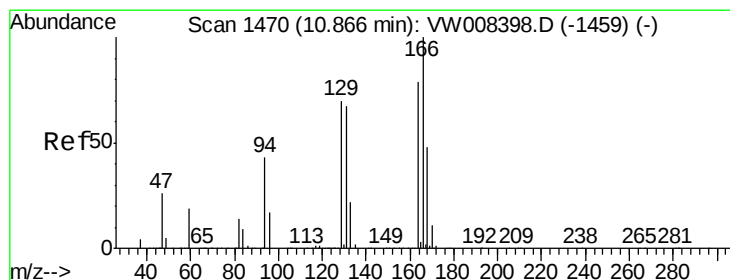
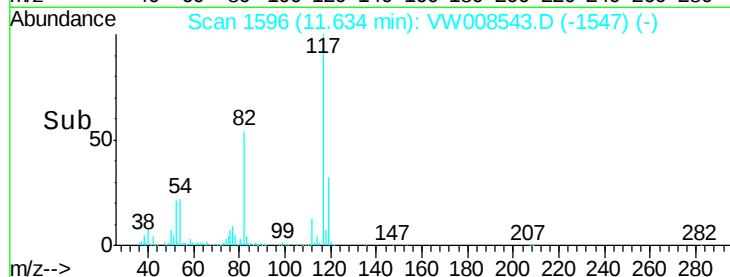
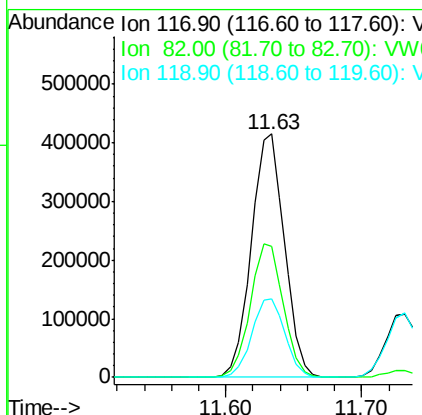
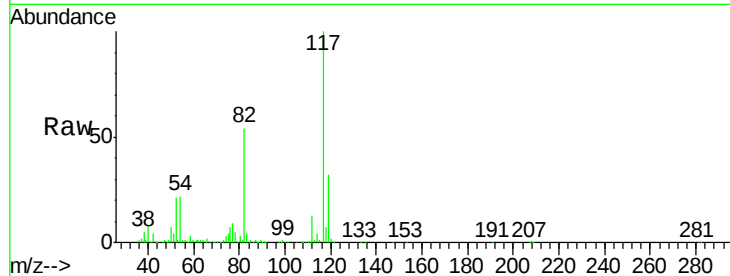
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.6	45.4	68.0
119	32.3	26.2	39.4

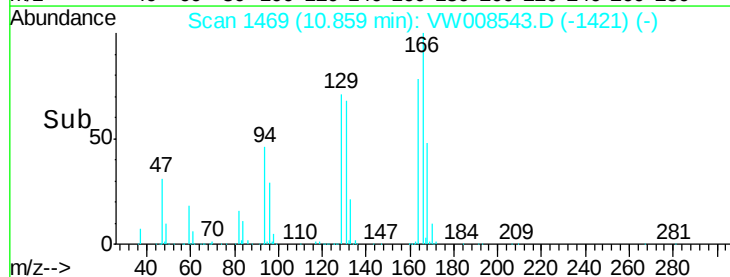
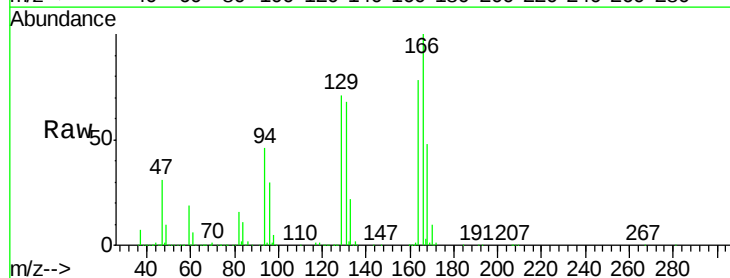
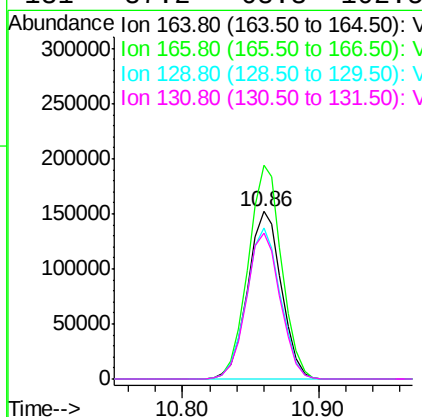
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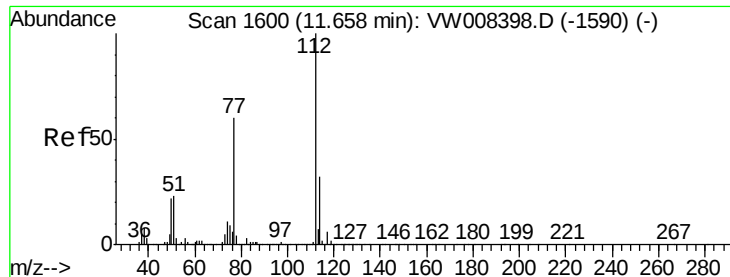
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#64
Tetrachloroethene
Concen: 55.254 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	127.7	101.4	152.0
129	90.5	71.0	106.6
131	87.2	68.3	102.5





#65

Chlorobenzene

Concen: 54.294 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 784194

Ion Ratio Lower Upper

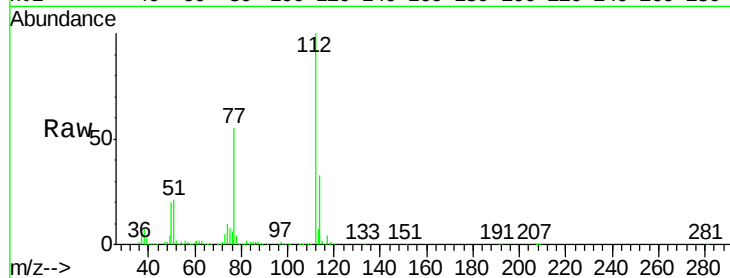
112 100

114 32.7 25.4 38.2

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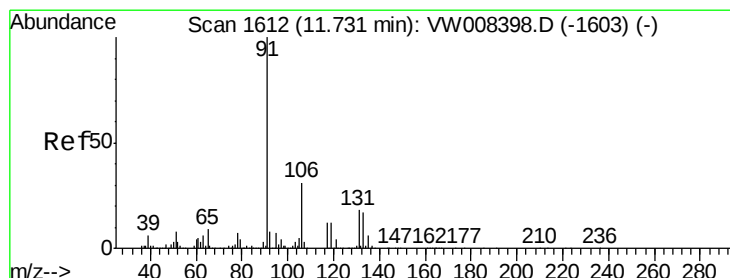
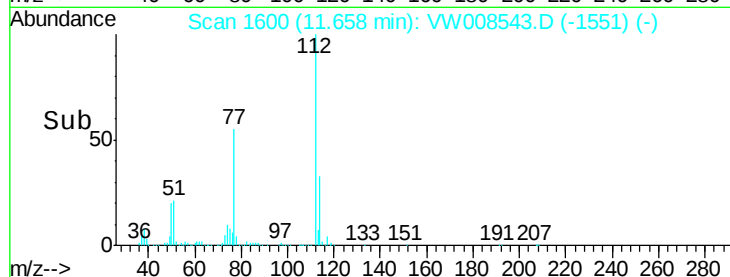
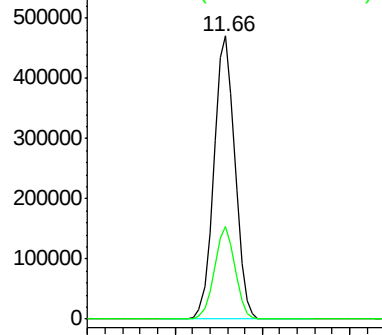
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.715 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

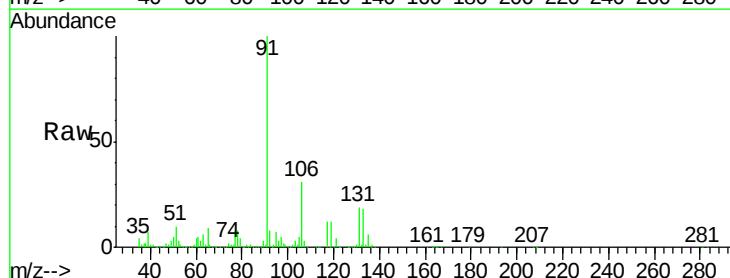
Tgt Ion:131 Resp: 282748

Ion Ratio Lower Upper

131 100

133 95.2 47.0 141.2

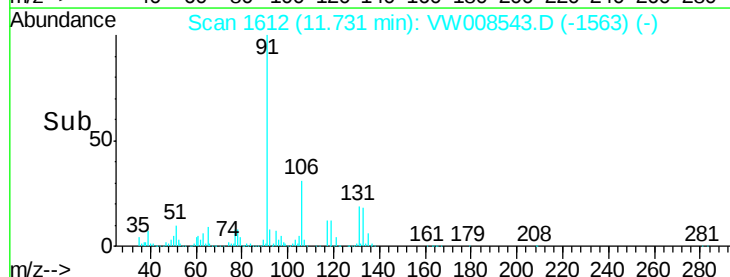
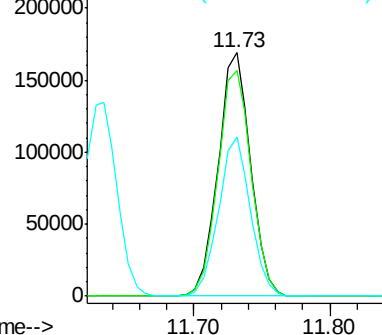
119 64.2 32.1 96.3

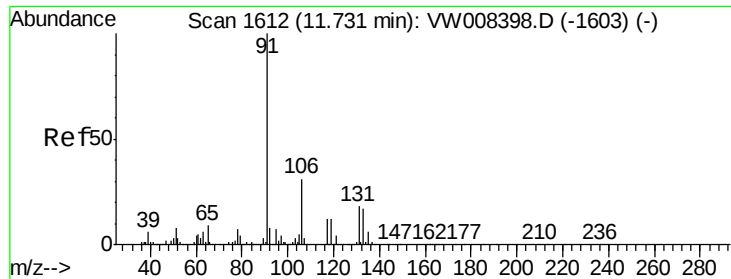


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





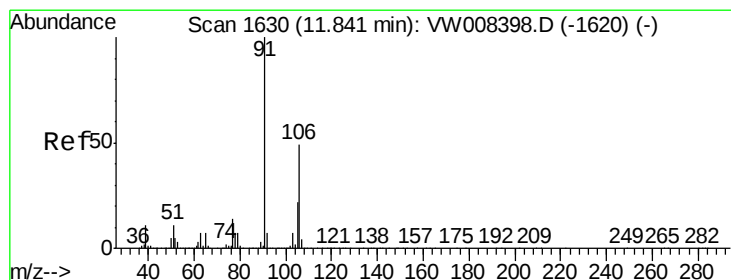
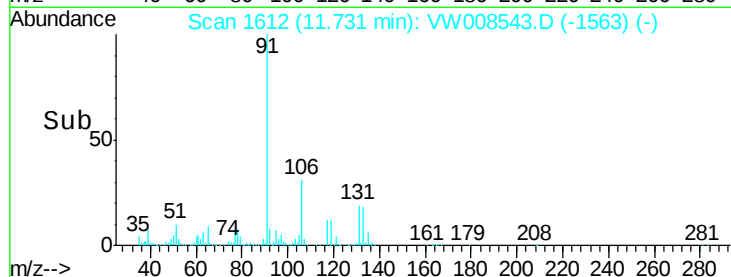
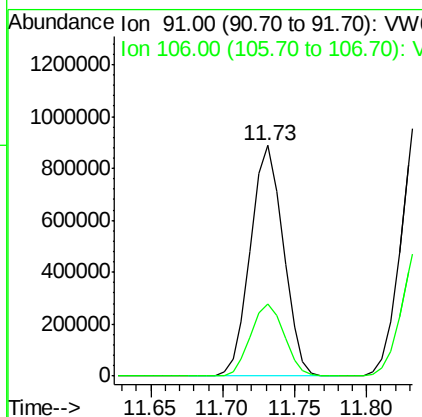
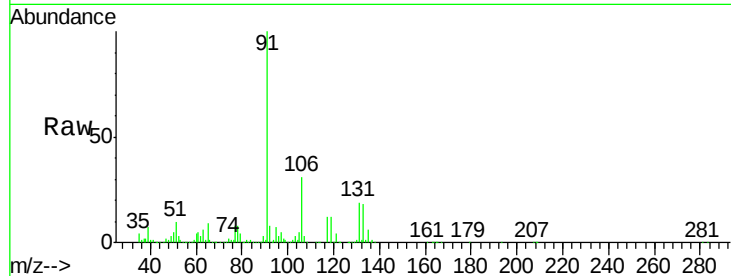
#67
Ethyl Benzene
Concen: 53.057 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1408638
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1

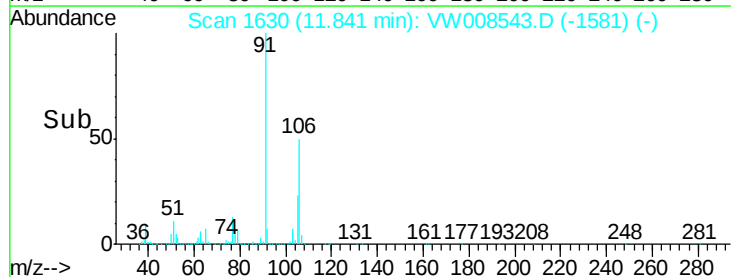
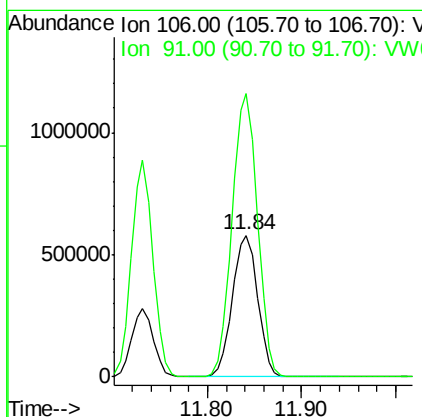
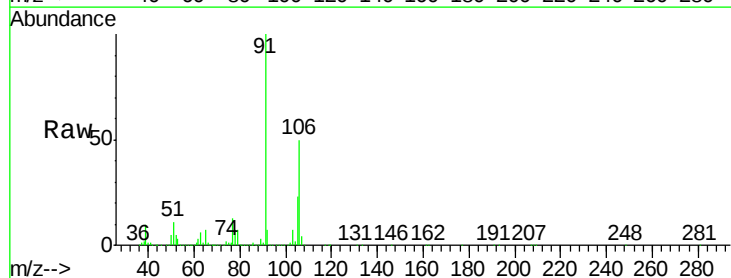
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#68
m/p-Xylenes
Concen: 105.285 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion: 106 Resp: 1084553
Ion Ratio Lower Upper
106 100
91 199.8 162.9 244.3





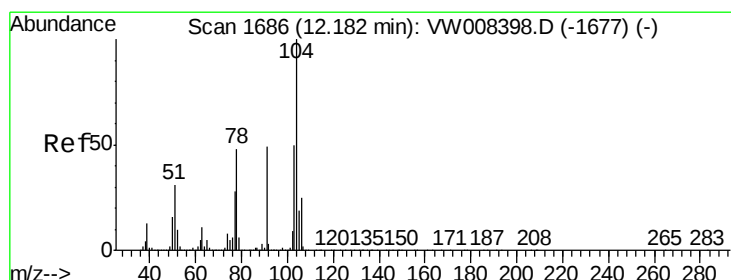
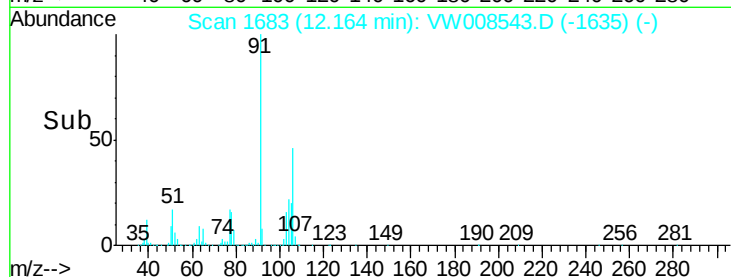
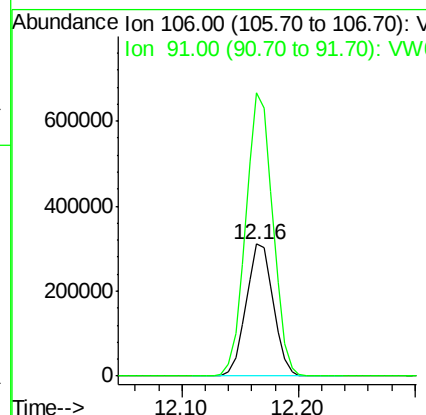
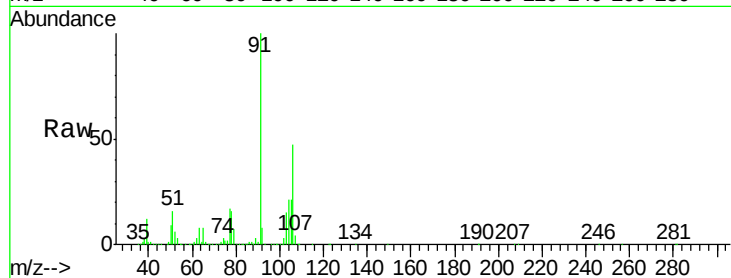
#69
o-Xylene
Concen: 51.970 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	107.5	322.4

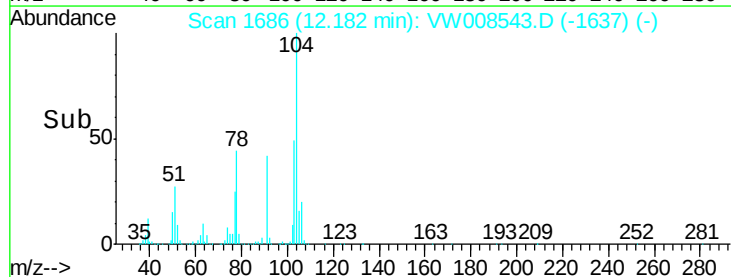
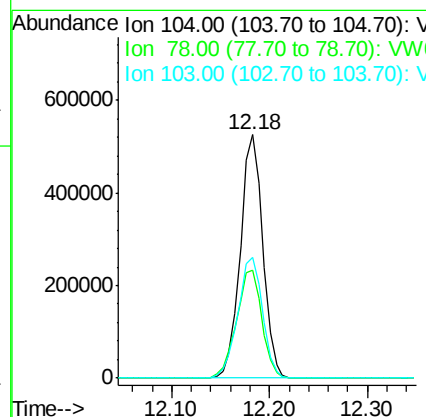
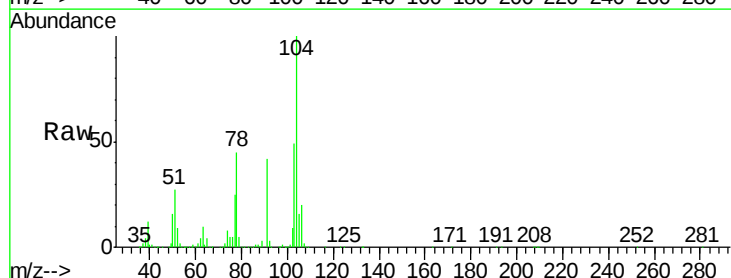
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#70
Styrene
Concen: 51.813 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	42.4	63.6
103	54.7	43.4	65.0





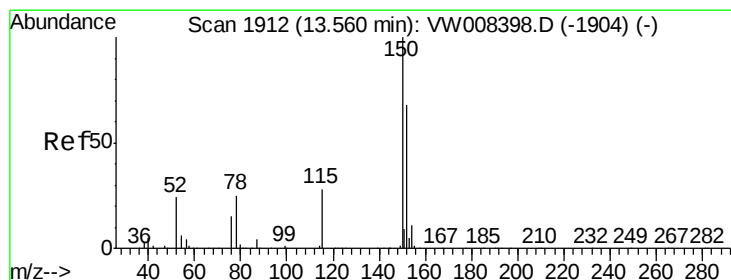
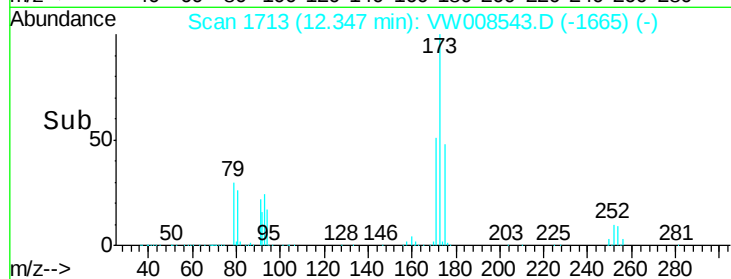
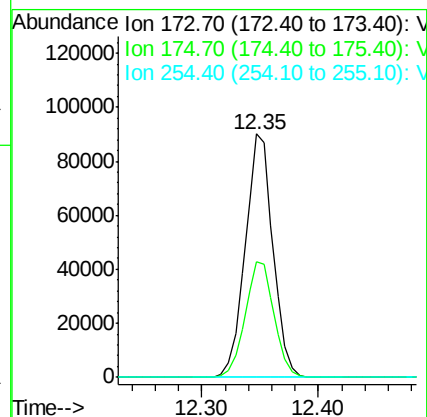
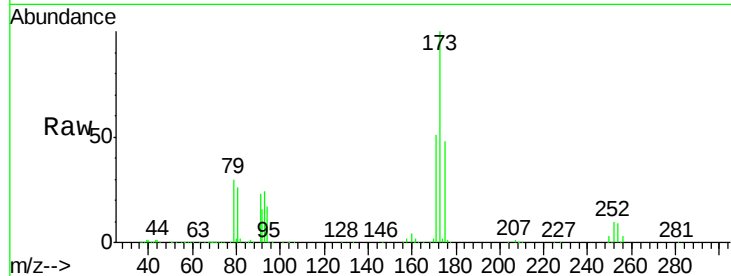
#71
Bromoform
Concen: 51.202 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.4
254	0.3	0.2	0.2#

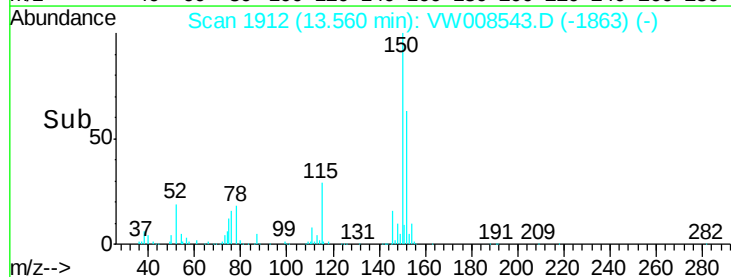
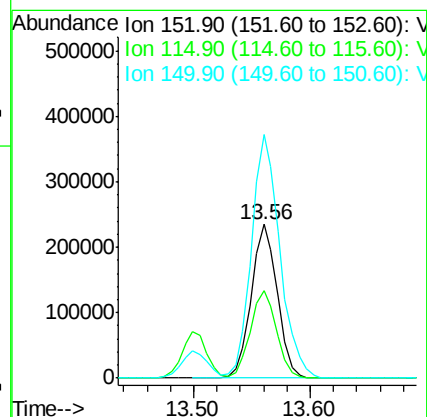
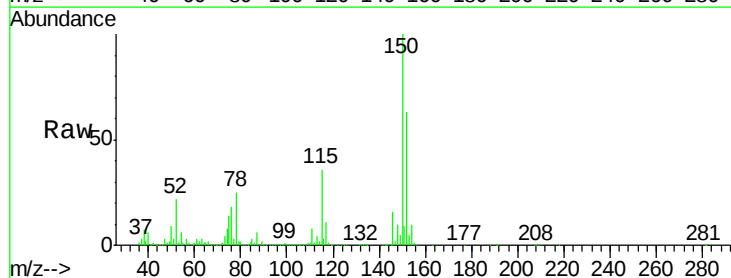
Manual Integrations
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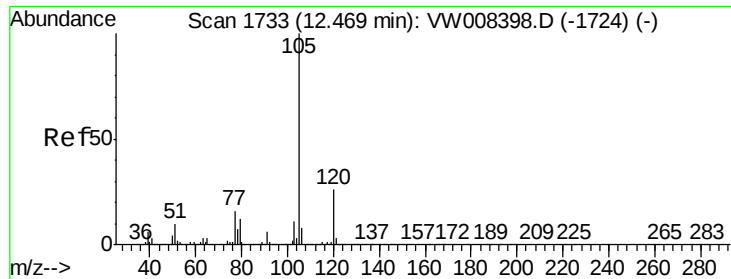
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.9	89.7
150	173.8	0.0	351.4





#73

Isopropylbenzene

Concen: 53.228 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1442592

Ion Ratio Lower Upper

105 100

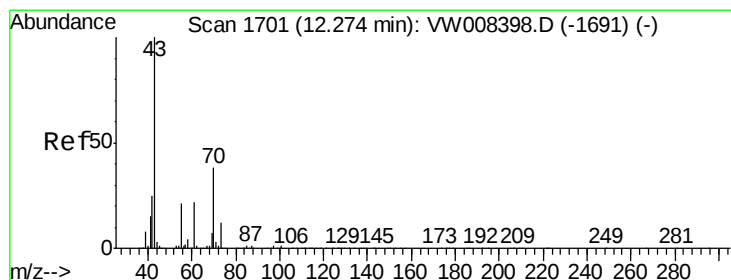
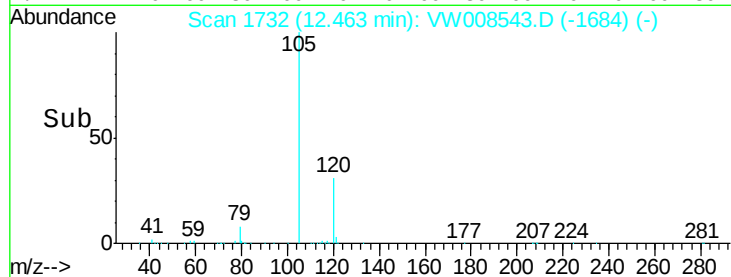
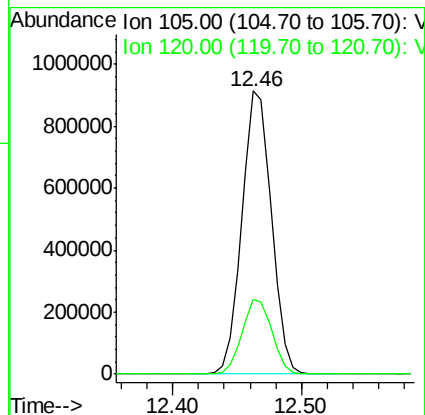
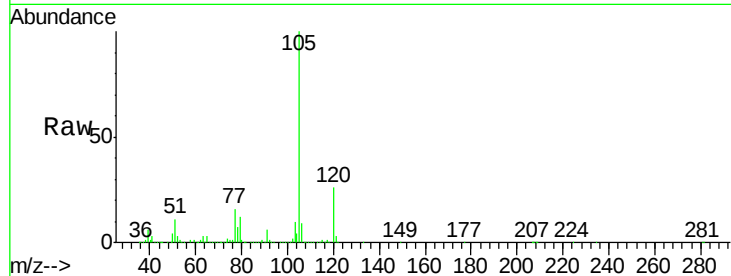
120 26.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 47.231 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion: 43 Resp: 329763

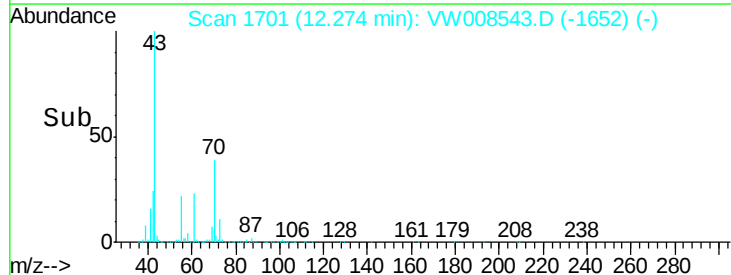
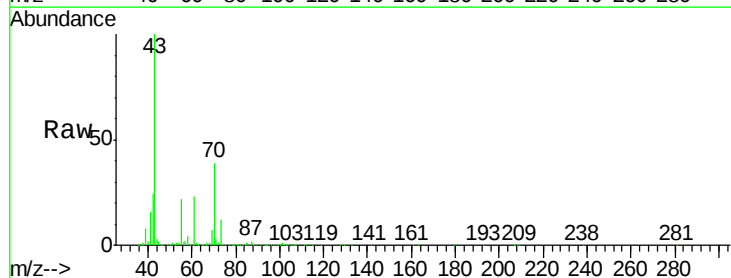
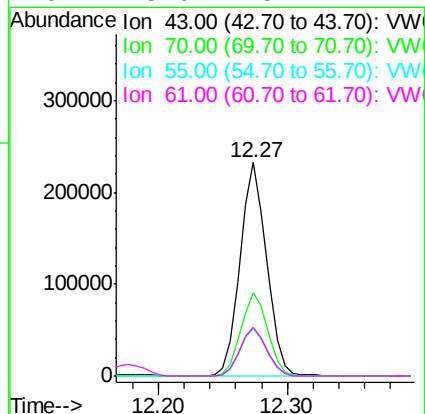
Ion Ratio Lower Upper

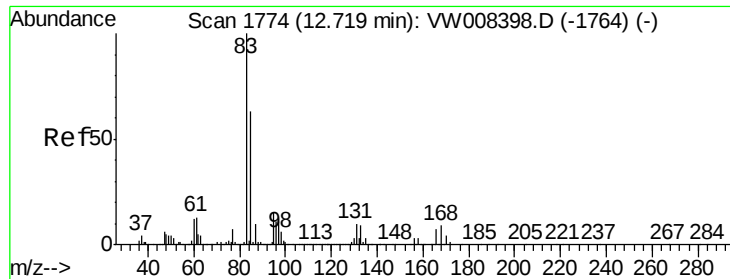
43 100

70 39.6 31.0 46.6

55 22.3 17.4 26.2

61 23.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.319 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

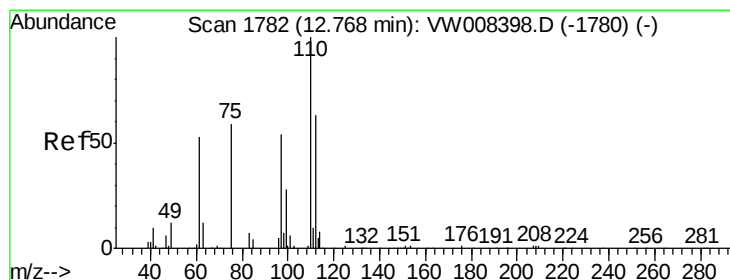
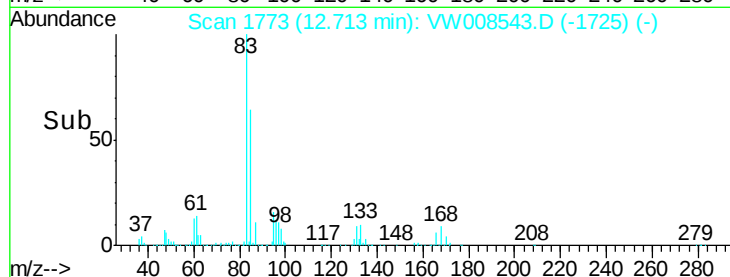
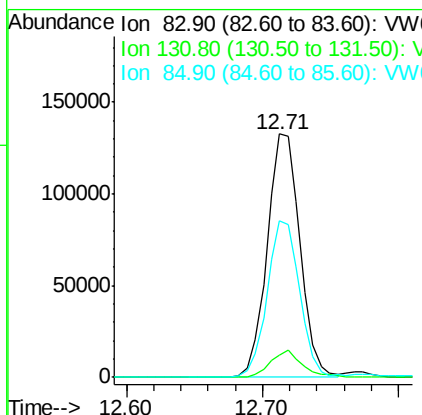
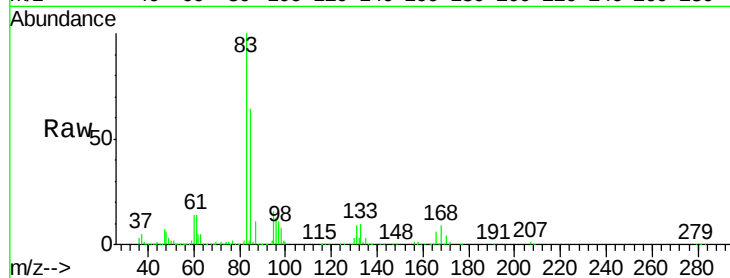
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	224487
Ion Ratio		Lower	Upper
83	100		
131	10.9	5.5	16.4
85	63.8	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 49.679 ug/l m

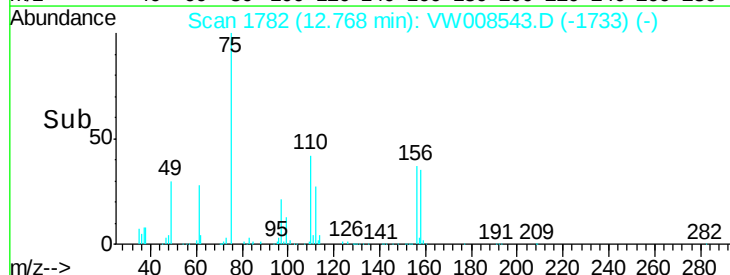
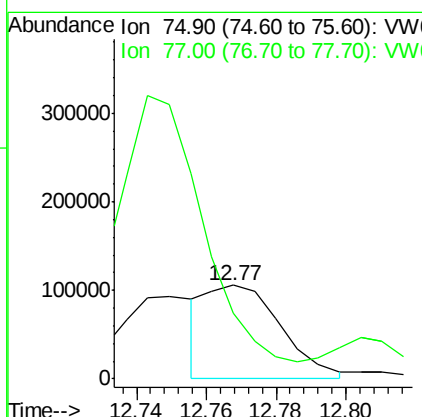
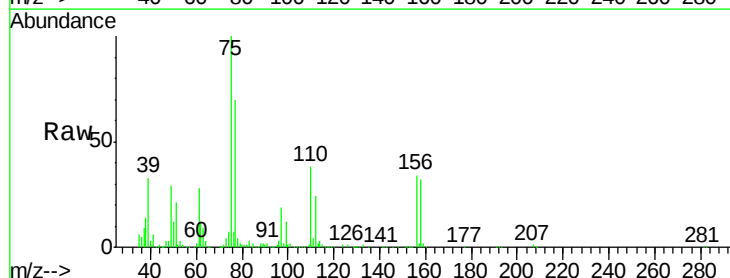
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion:	75	Resp:	157016
Ion Ratio		Lower	Upper
75	100		
77	0.0	180.7	542.1#





#77

Bromobenzene

Concen: 54.197 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

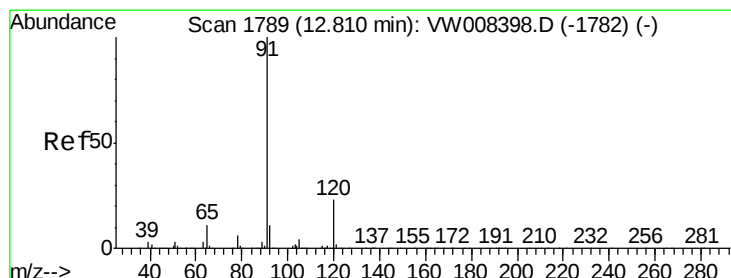
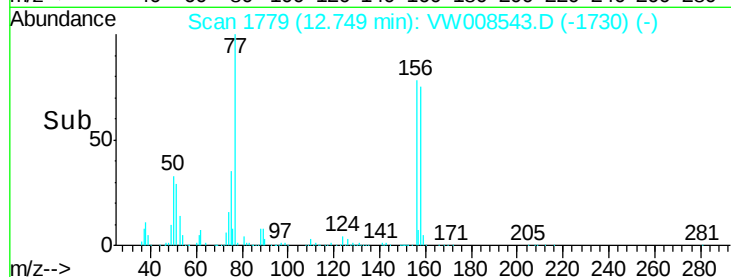
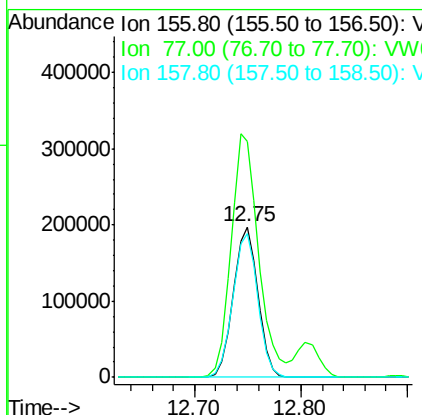
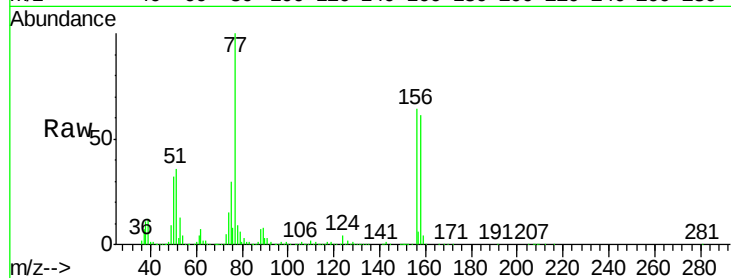
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	320780
Ion Ratio	Lower	Upper	
156	100		
77	180.6	96.9	290.7
158	96.9	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 52.979 ug/l

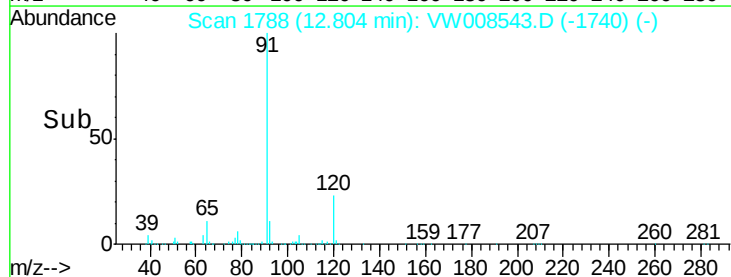
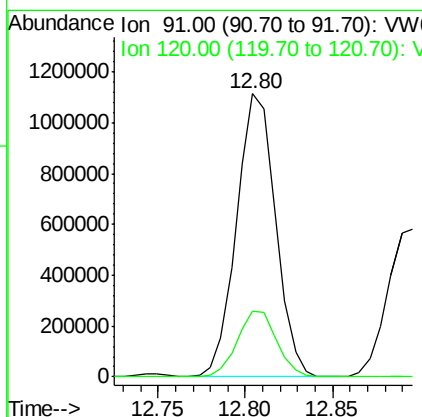
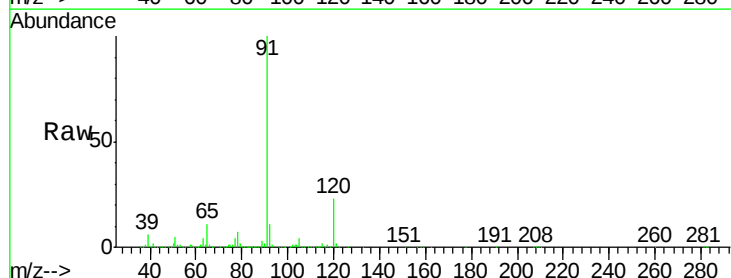
RT: 12.80 min Scan# 1788

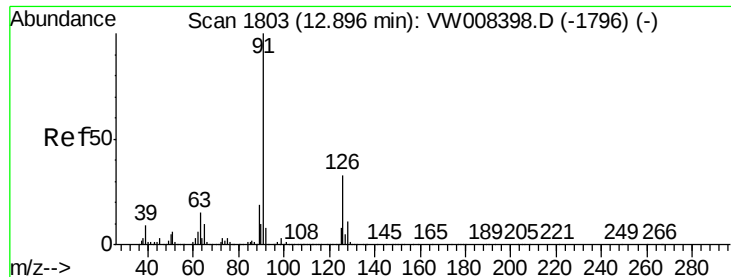
Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion:	91	Resp:	1724527
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.4	34.1





#79

2-Chlorotoluene

Concen: 52.371 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 961974

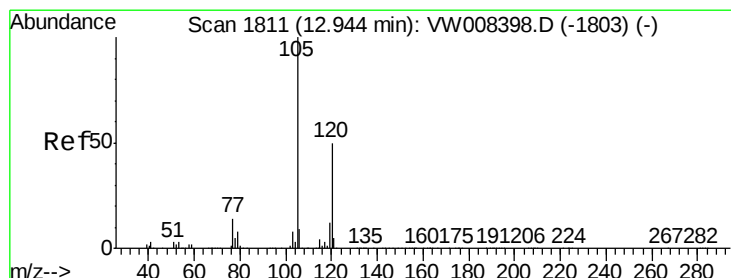
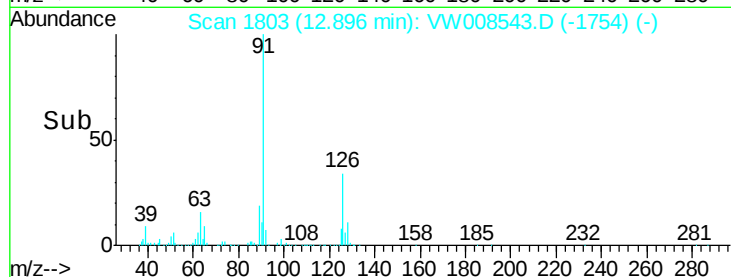
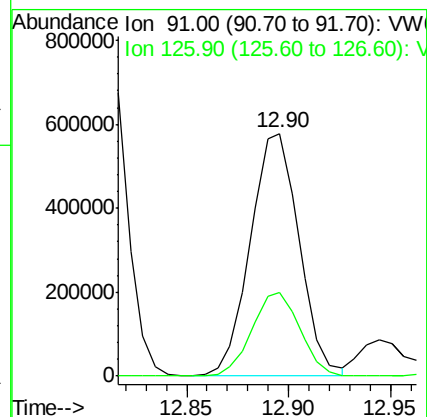
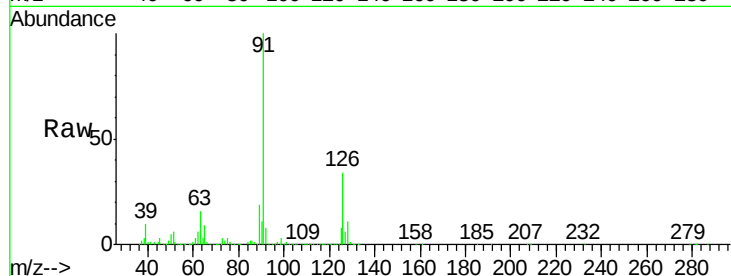
Ion Ratio Lower Upper

91 100

126 33.9 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 52.613 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008543.D

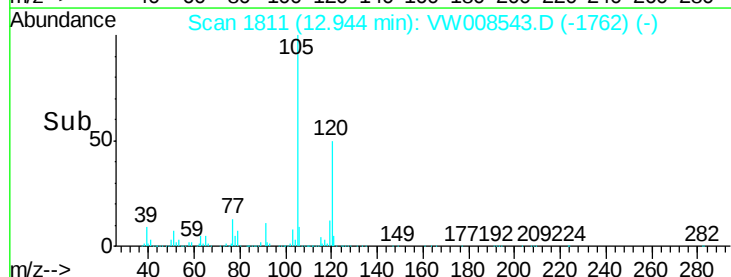
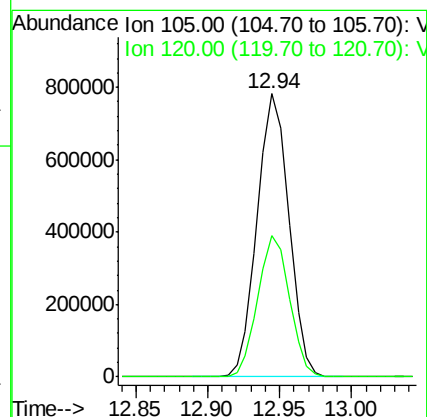
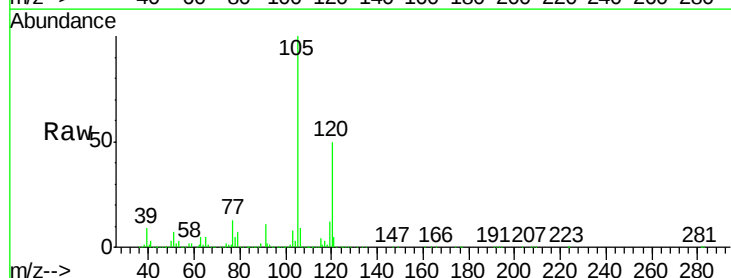
Acq: 07 Feb 2019 10:43

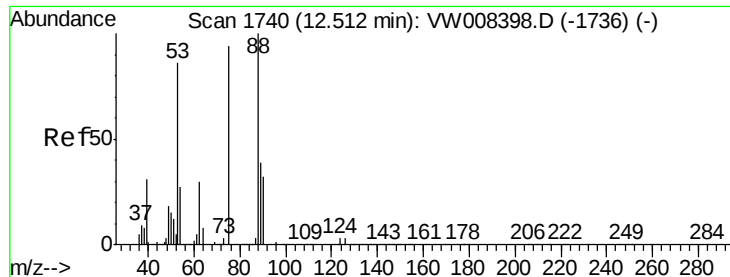
Tgt Ion: 105 Resp: 1191821

Ion Ratio Lower Upper

105 100

120 49.8 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.982 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

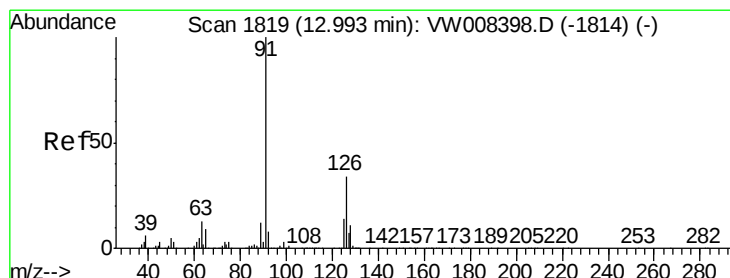
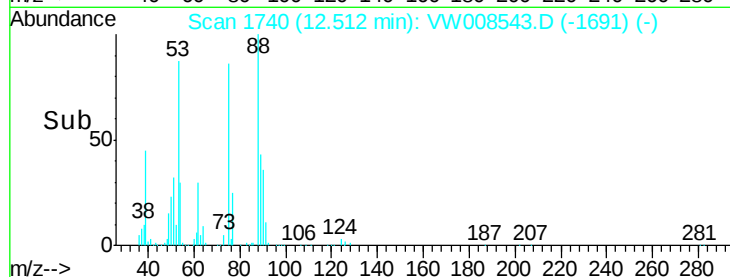
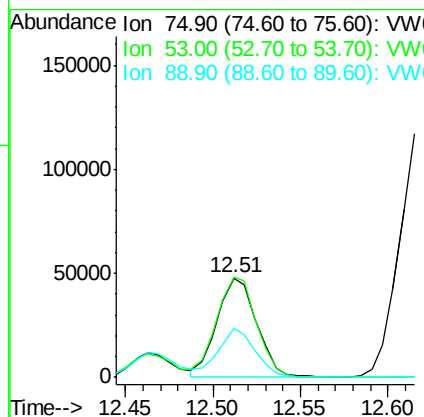
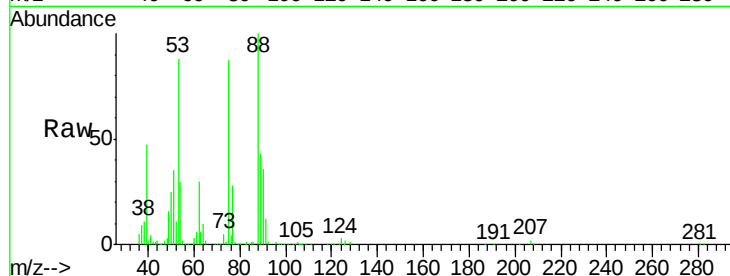
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	75184
Ion Ratio	Lower	Upper	
75	100		
53	101.1	76.0	114.0
89	46.6	35.4	53.0

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#82

4-Chlorotoluene

Concen: 50.647 ug/l

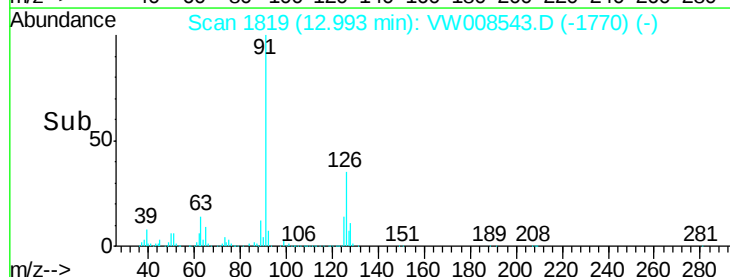
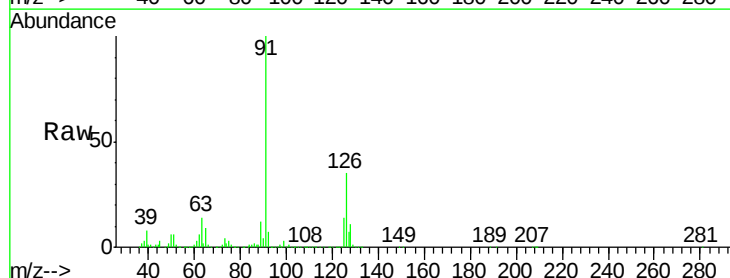
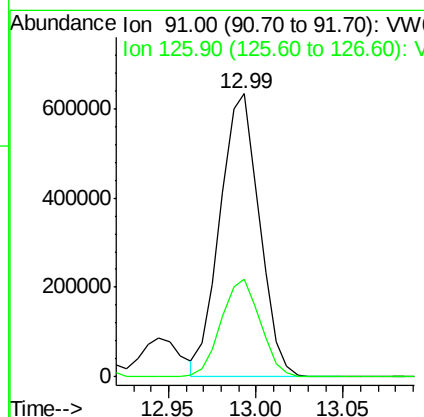
RT: 12.99 min Scan# 1819

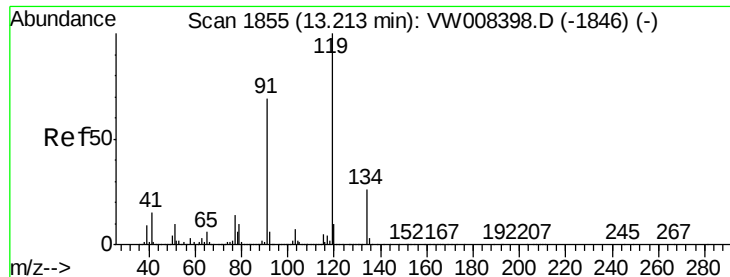
Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion:	91	Resp:	990485
Ion Ratio	Lower	Upper	
91	100		
126	34.5	16.4	49.2





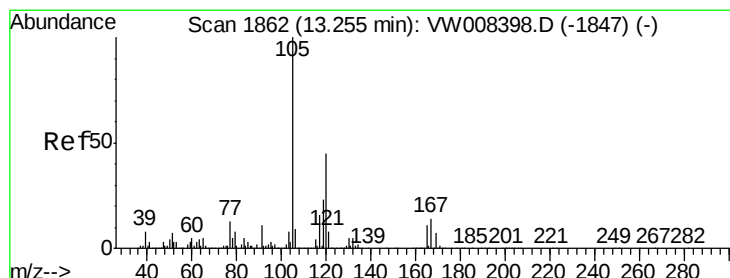
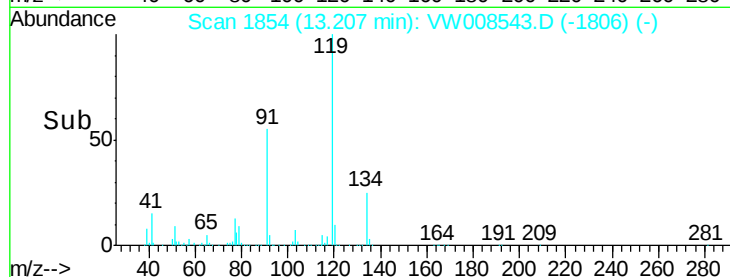
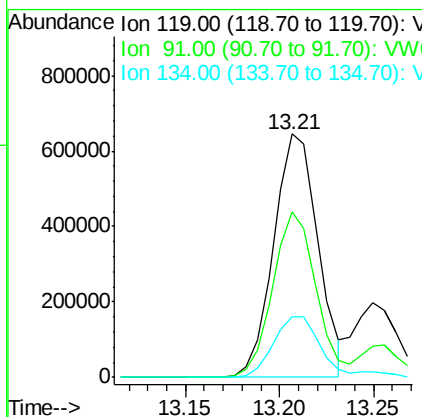
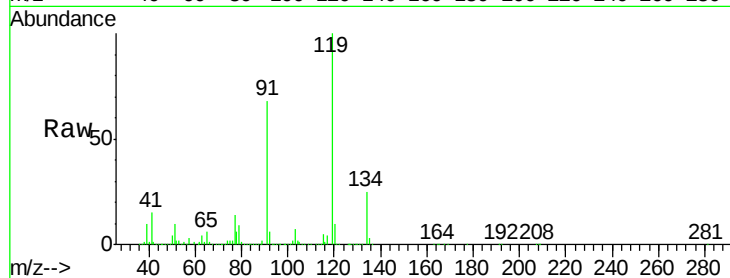
#83
tert-Butylbenzene
Concen: 52.143 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1051111
Ion Ratio Lower Upper
119 100
91 66.7 33.8 101.4
134 27.7 13.5 40.4

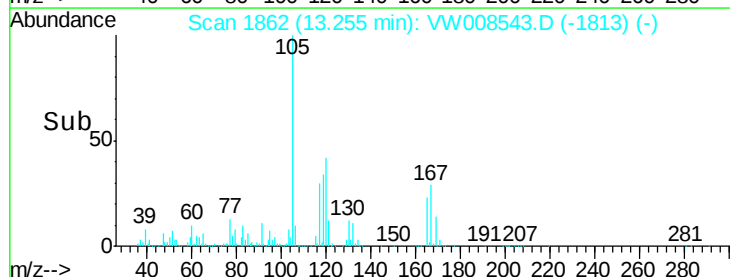
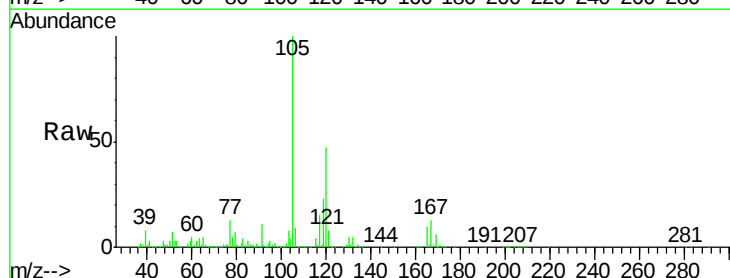
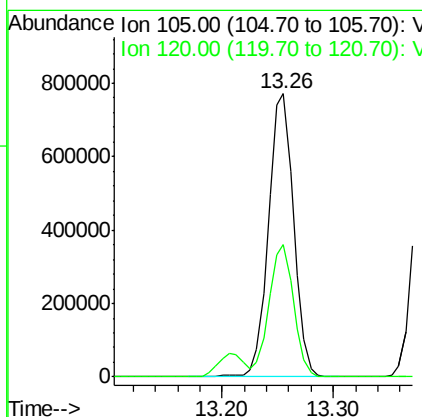
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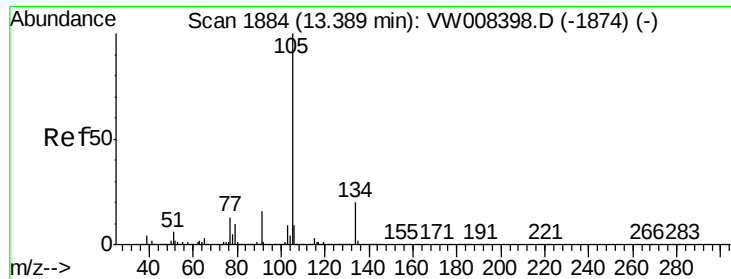
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#84
1,2,4-Trimethylbenzene
Concen: 52.765 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion:105 Resp: 1214899
Ion Ratio Lower Upper
105 100
120 45.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 53.344 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1535711

Ion Ratio Lower Upper

105 100

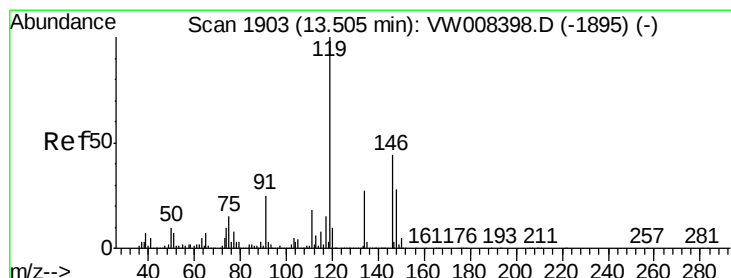
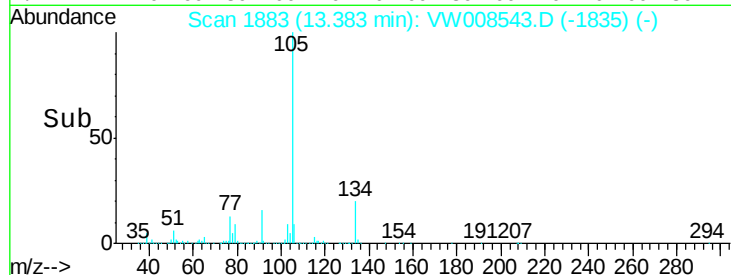
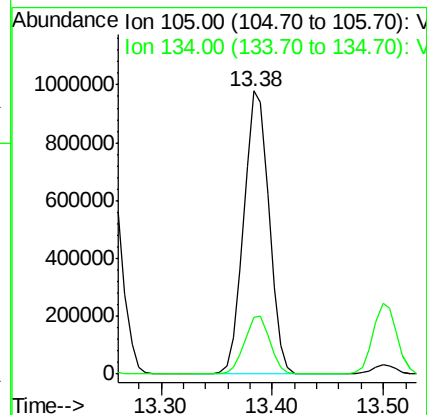
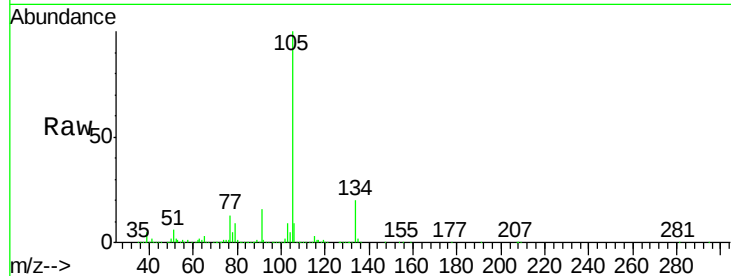
134 20.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 54.492 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

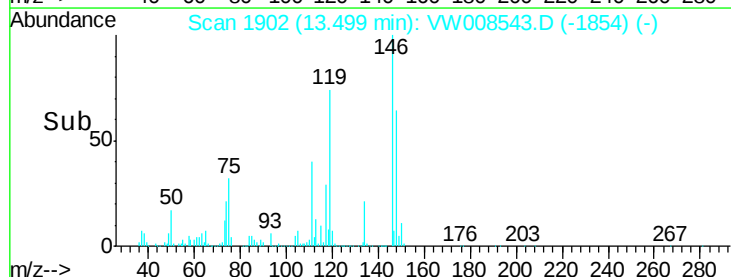
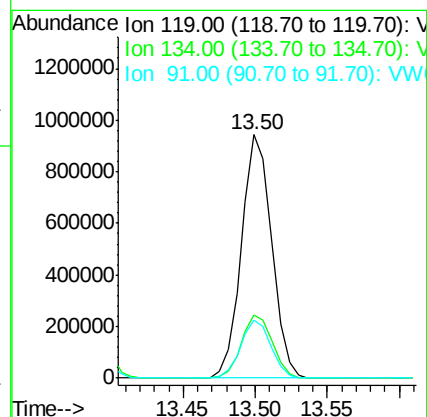
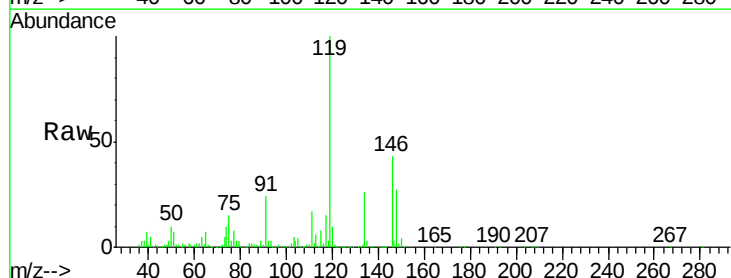
Tgt Ion:119 Resp: 1374126

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 23.9 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 54.334 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

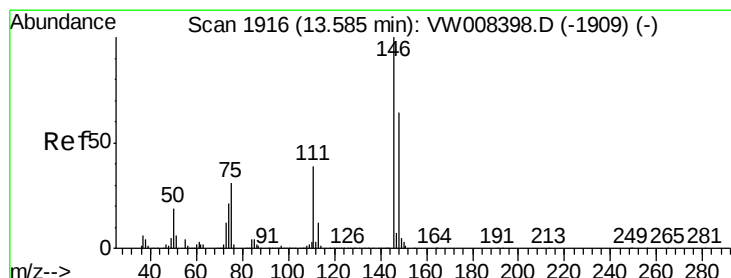
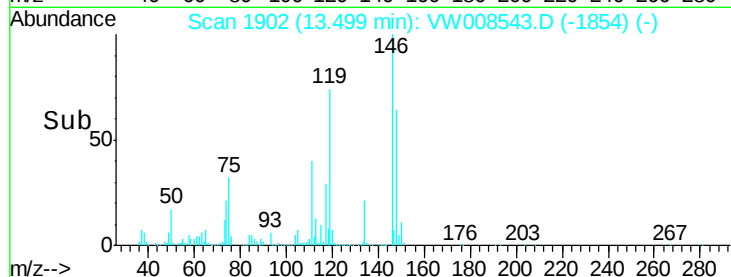
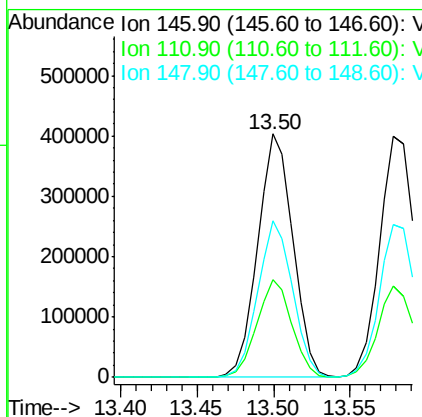
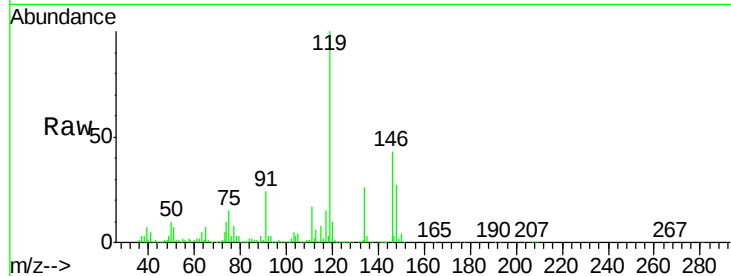
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	649477		
111	39.7	20.3	60.9	
148	63.3	31.9	95.7	

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#88

1,4-Dichlorobenzene

Concen: 54.005 ug/l

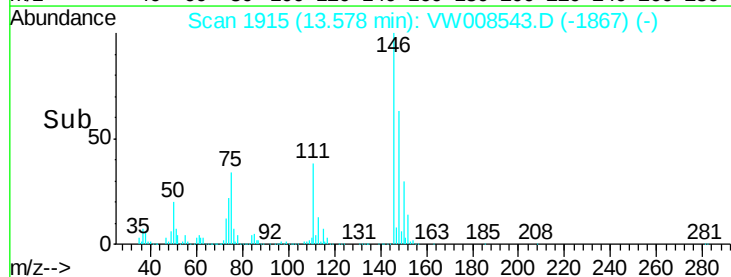
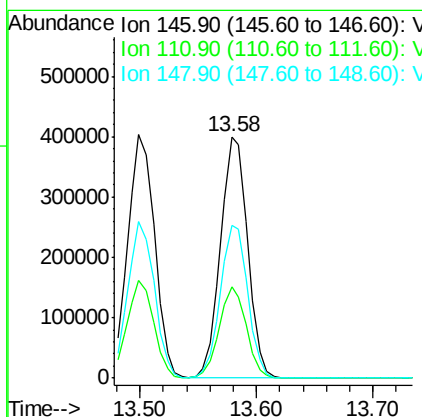
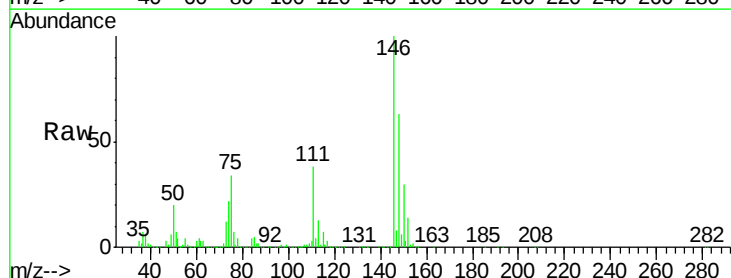
RT: 13.58 min Scan# 1915

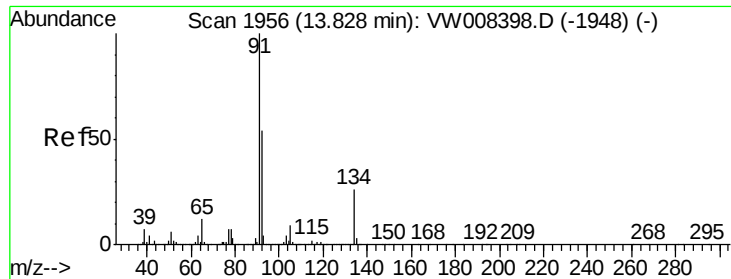
Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	641550		
111	37.9	20.0	60.0	
148	64.0	32.0	96.2	





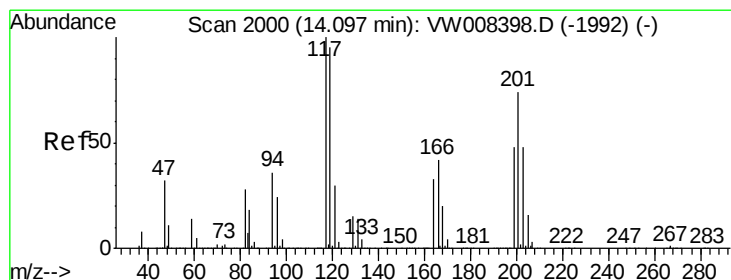
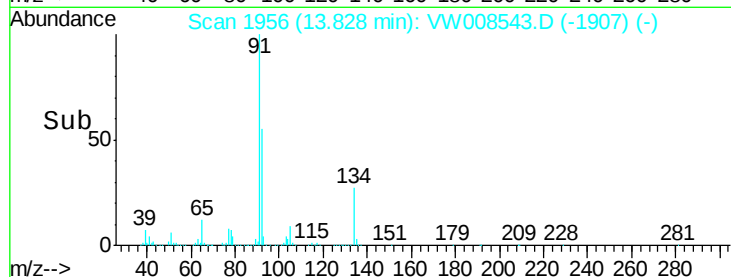
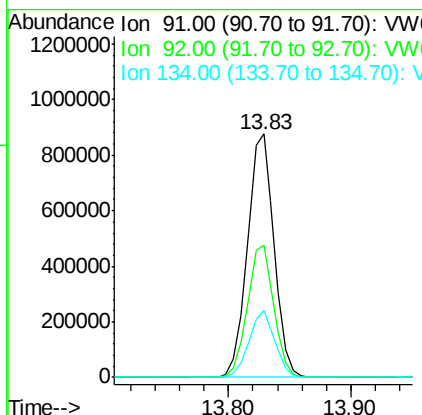
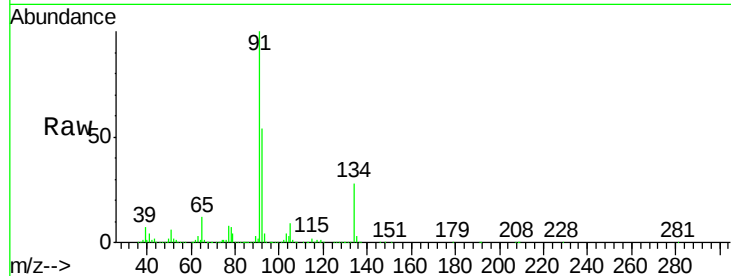
#89
n-Butylbenzene
Concen: 53.370 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.4	82.2
134	26.6	13.0	39.0

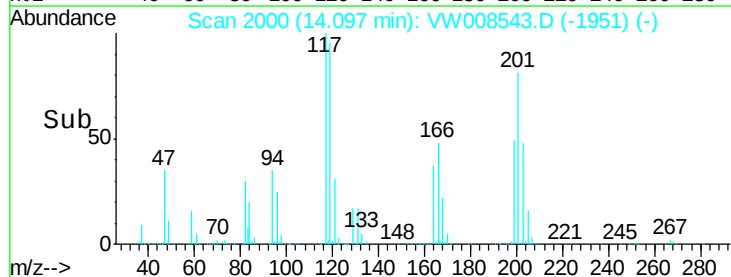
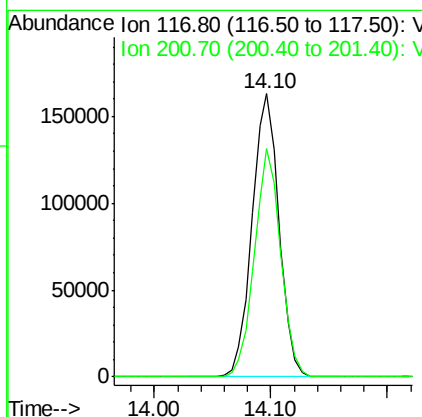
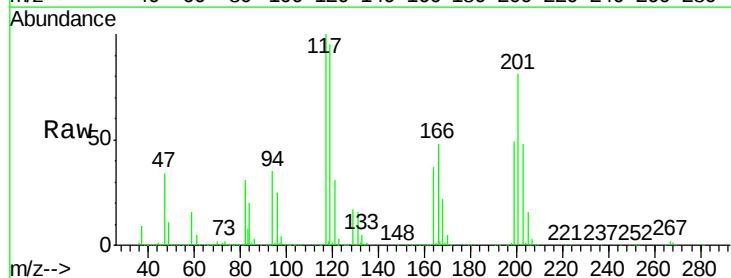
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#90
Hexachloroethane
Concen: 53.237 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008543.D
Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 53.424 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

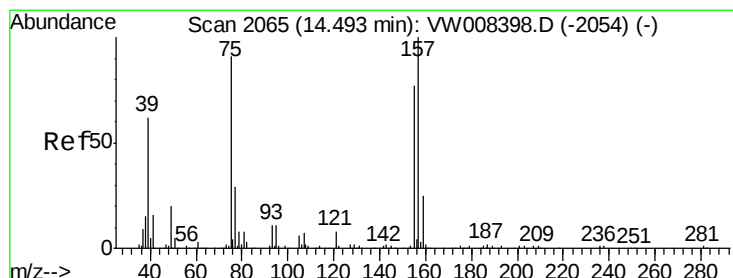
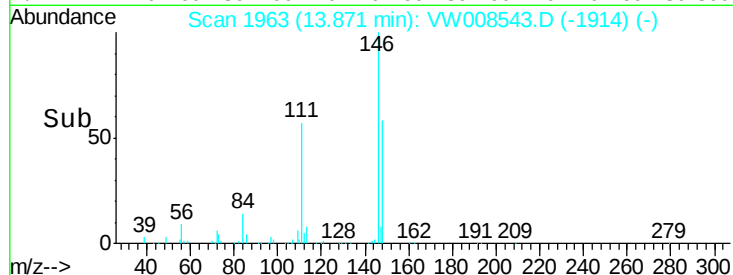
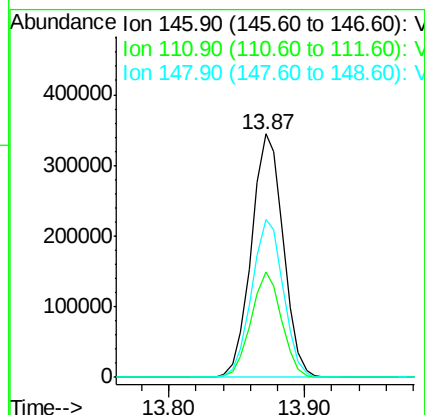
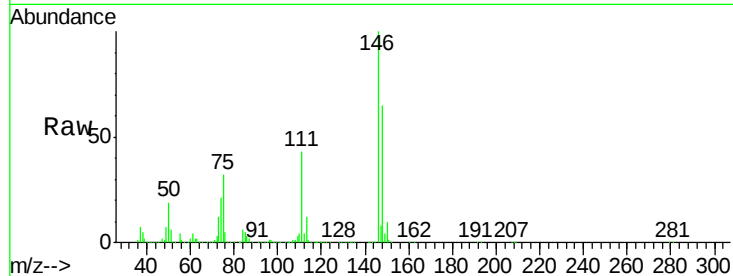
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	565047
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.1	63.3
148	64.9	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.313 ug/l

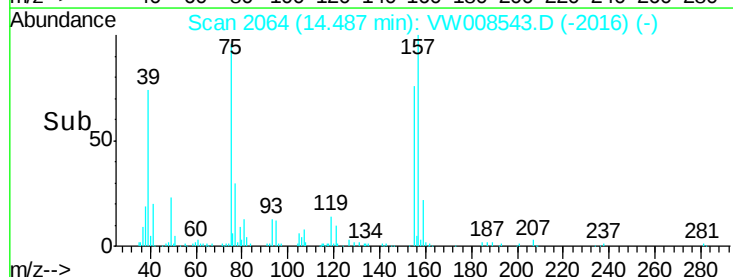
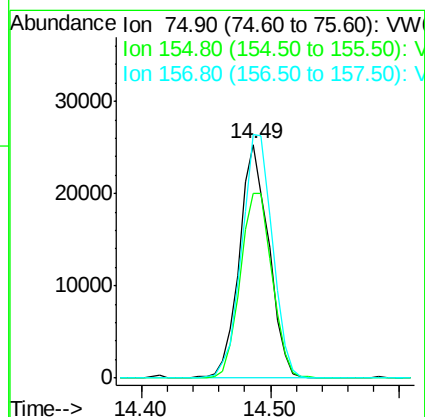
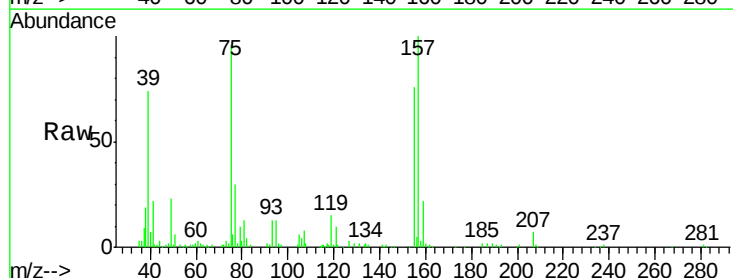
RT: 14.49 min Scan# 2064

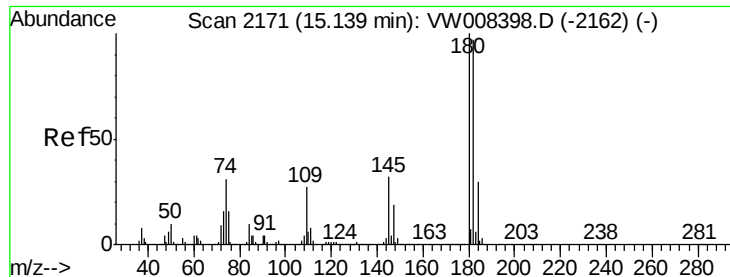
Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion:	75	Resp:	40147
Ion Ratio	Lower	Upper	
75	100		
155	85.0	42.7	128.1
157	108.2	55.5	166.3





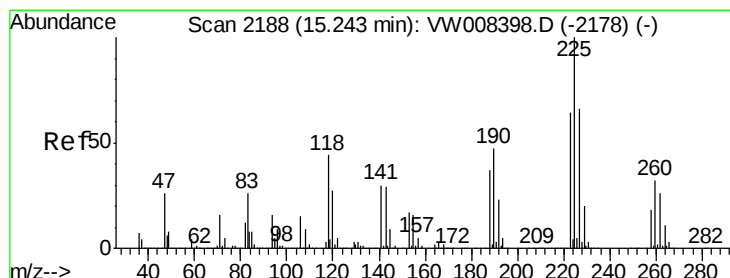
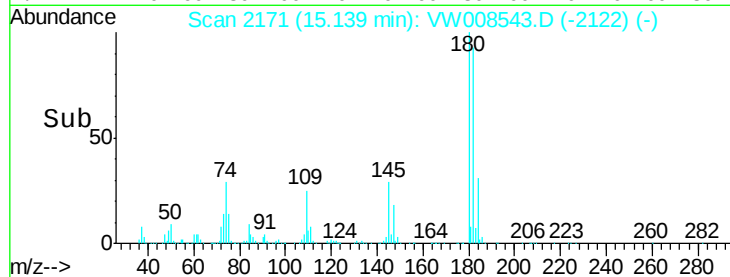
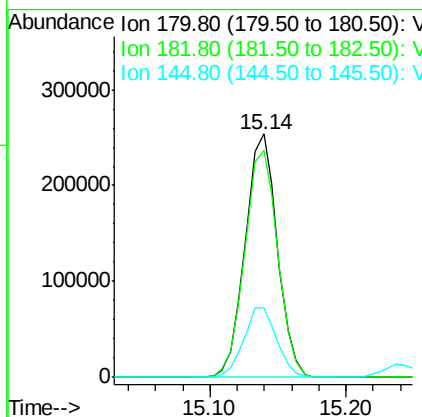
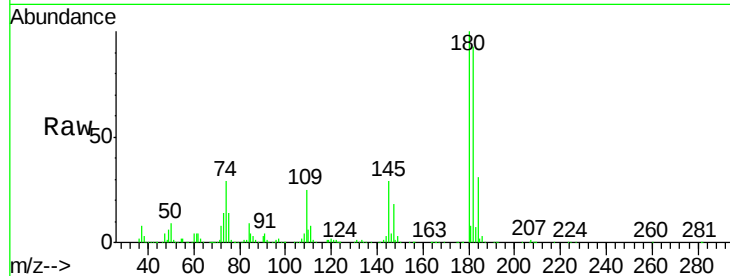
#93
 1,2,4-Trichlorobenzene
 Concen: 55.679 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008543.D
 Acq: 07 Feb 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	420244		
182	96.0	47.9	143.7	
145	29.4	15.5	46.5	

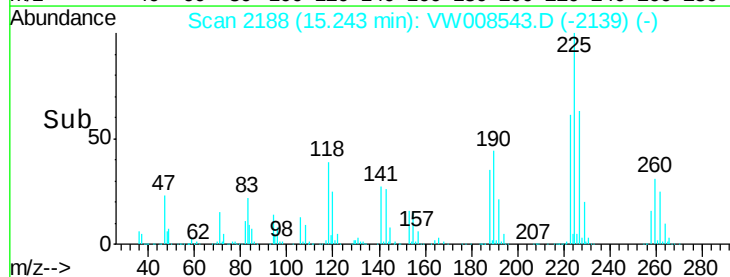
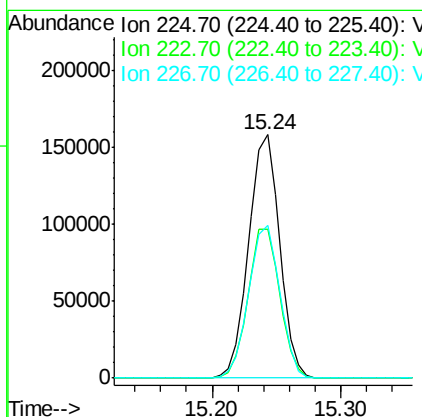
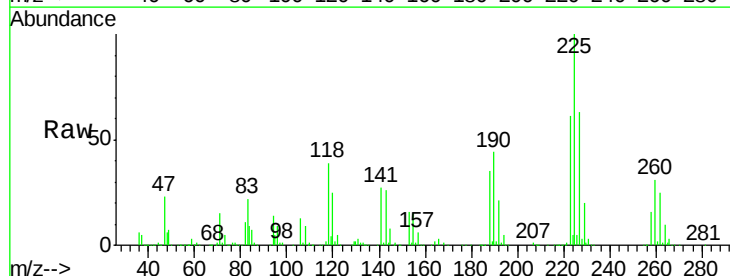
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 57.705 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008543.D
 Acq: 07 Feb 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	262481		
223	63.0	31.7	95.1	
227	63.2	32.1	96.3	





#95

Naphthalene

Concen: 53.740 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

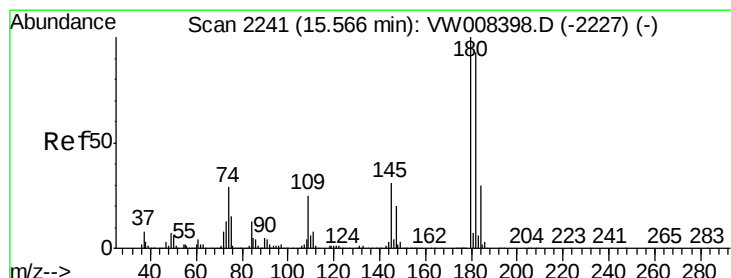
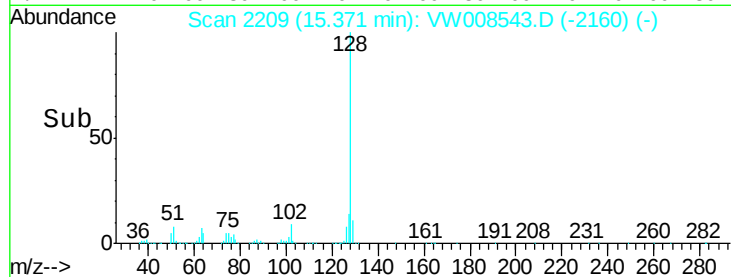
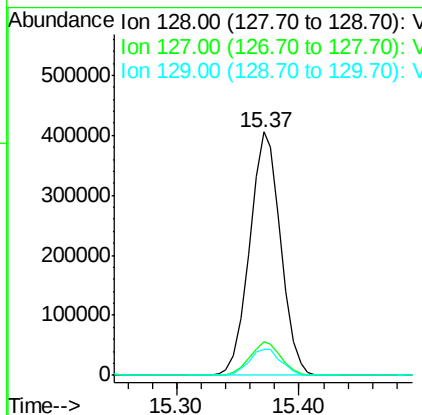
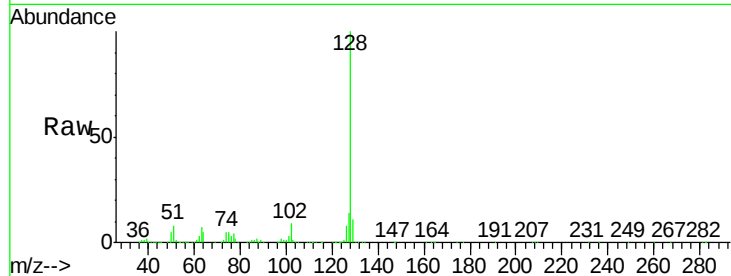
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	712197
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.321 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Tgt Ion:	180	Resp:	354191
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.0	141.2
145	31.6	15.9	47.6

