

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010012.D
 Acq On : 17 Apr 2019 11:22
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:02 AM

Quant Time: Apr 18 01:59:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	375961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	612493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	563609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	288784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	48812	10.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.04%	
35) Dibromofluoromethane	7.88	113	39213	10.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.14%	
50) Toluene-d8	10.32	98	146665	10.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.10%	
62) 4-Bromofluorobenzene	12.62	95	51034	9.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31879	11.310	ug/l	88
3) Chloromethane	2.21	50	31449	10.970	ug/l	99
4) Vinyl Chloride	2.37	62	35887	10.770	ug/l	94
5) Bromomethane	2.78	94	24977	11.153	ug/l	97
6) Chloroethane	2.92	64	22499	10.334	ug/l	93
7) Trichlorofluoromethane	3.26	101	23116	10.033	ug/l	97
8) Diethyl Ether	3.68	74	22060	11.511	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44699m	11.837	ug/l	
10) Methyl Iodide	4.27	142	58369	10.895	ug/l	98
11) Tert butyl alcohol	5.17	59	15220	57.760	ug/l	100
12) 1,1-Dichloroethene	4.04	96	39909	10.738	ug/l	95
13) Acrolein	3.89	56	14167	50.956	ug/l	88
14) Allyl chloride	4.66	41	70504	10.670	ug/l	95
15) Acrylonitrile	5.37	53	55075	55.842	ug/l	98
16) Acetone	4.12	43	65245	60.610	ug/l	90
17) Carbon Disulfide	4.38	76	110940	10.882	ug/l	98
18) Methyl Acetate	4.67	43	26528	10.648	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	49928	10.342	ug/l	96
20) Methylene Chloride	4.92	84	60922	12.301	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	42669	10.602	ug/l	95
22) Diisopropyl ether	6.31	45	147050	10.971	ug/l #	95
23) Vinyl Acetate	6.26	43	447213	53.002	ug/l	99
24) 1,1-Dichloroethane	6.21	63	88806	11.083	ug/l	97
25) 2-Butanone	7.17	43	78420	55.457	ug/l	96
26) 2,2-Dichloropropane	7.16	77	49847	11.245	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	46798	10.573	ug/l	99
28) Bromochloromethane	7.51	49	33670	10.283	ug/l	97
29) Tetrahydrofuran	7.53	42	49325	55.050	ug/l	99
30) Chloroform	7.67	83	90142	11.227	ug/l	98
31) Cyclohexane	7.95	56	83851	11.176	ug/l #	89
32) 1,1,1-Trichloroethane	7.87	97	69486	11.025	ug/l	96
36) 1,1-Dichloropropene	8.08	75	68134	10.890	ug/l	99
37) Ethyl Acetate	7.26	43	34701	10.915	ug/l	97
38) Carbon Tetrachloride	8.07	117	66828	10.944	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71162	10.108	ug/l	97
40) Benzene	8.32	78	185035	10.816	ug/l	97
41) Methacrylonitrile	7.48	41	18431	10.172	ug/l	92
42) 1,2-Dichloroethane	8.40	62	66332	11.283	ug/l	98
43) Isopropyl Acetate	8.43	43	64474	10.822	ug/l	98
44) Trichloroethene	9.09	130	46489	10.700	ug/l	92
45) 1,2-Dichloropropane	9.37	63	49751	11.064	ug/l	98
46) Dibromomethane	9.46	93	25300	10.856	ug/l	99
47) Bromodichloromethane	9.64	83	65834	10.943	ug/l	96
48) Methyl methacrylate	9.43	41	31278	10.786	ug/l	95
49) 1,4-Dioxane	9.45	88	7864	220.833	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	168751	54.082	ug/l	99
52) Toluene	10.38	92	115588	10.847	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	62269	10.440	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	70251	10.315	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	36120	11.104	ug/l	97
56) Ethyl methacrylate	10.65	69	39017	9.649	ug/l	96
57) 1,3-Dichloropropane	10.93	76	63438	10.881	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	88951	45.764	ug/l	99
59) 2-Hexanone	10.97	43	117849	54.257	ug/l	94
60) Dibromochloromethane	11.13	129	39758	10.575	ug/l	97
61) 1,2-Dibromoethane	11.24	107	32965	10.653	ug/l	98
64) Tetrachloroethene	10.86	164	39840	10.889	ug/l	97
65) Chlorobenzene	11.66	112	128719	11.158	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44699	10.836	ug/l	97
67) Ethyl Benzene	11.73	91	212979	10.348	ug/l	100
68) m/p-Xylenes	11.84	106	163668	21.274	ug/l	100
69) o-Xylene	12.16	106	72137	10.298	ug/l	98
70) Styrene	12.18	104	121419	10.053	ug/l	98
71) Bromoform	12.35	173	23015	10.551	ug/l #	99
73) Isopropylbenzene	12.47	105	206017	10.250	ug/l	100
74) N-amyl acetate	12.27	43	57505	10.332	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	42938	10.813	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32937m	9.514	ug/l	
77) Bromobenzene	12.75	156	49526	10.714	ug/l	98
78) n-propylbenzene	12.80	91	257147	10.323	ug/l	100
79) 2-Chlorotoluene	12.90	91	148879	10.392	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	175461	10.296	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12135	9.900	ug/l	91
82) 4-Chlorotoluene	12.99	91	163176	10.822	ug/l	99
83) tert-Butylbenzene	13.21	119	144203	10.218	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	181930	10.530	ug/l	98
85) sec-Butylbenzene	13.39	105	221319	10.494	ug/l	99
86) p-Isopropyltoluene	13.50	119	191629	10.309	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102149	10.932	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	102376	10.977	ug/l	97
89) n-Butylbenzene	13.83	91	185760	10.087	ug/l	99
90) Hexachloroethane	14.10	117	37076	10.414	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	92958	11.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7792	10.965	ug/l	95

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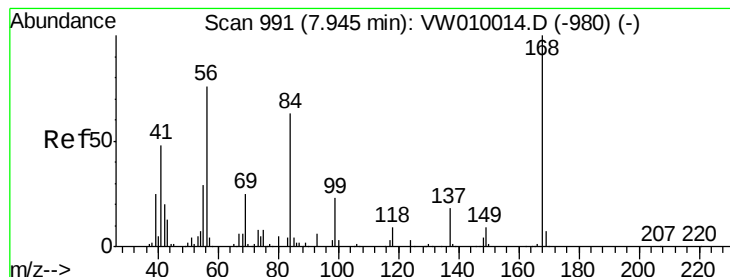
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	57018	10.316	ug/l	99
94) Hexachlorobutadiene	15.24	225	35954	10.712	ug/l	99
95) Naphthalene	15.37	128	94156	9.488	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	48890	10.195	ug/l	96

(#) = 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: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 375961

Ion Ratio Lower Upper

168 100

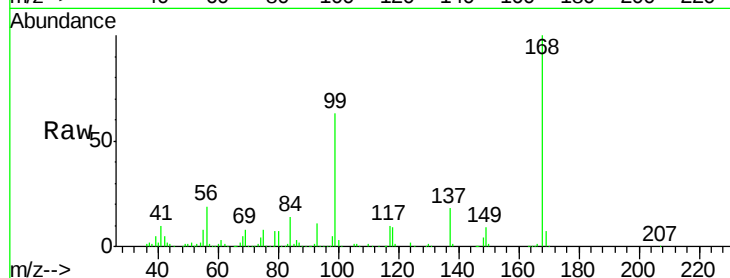
99 63.4 48.4 72.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

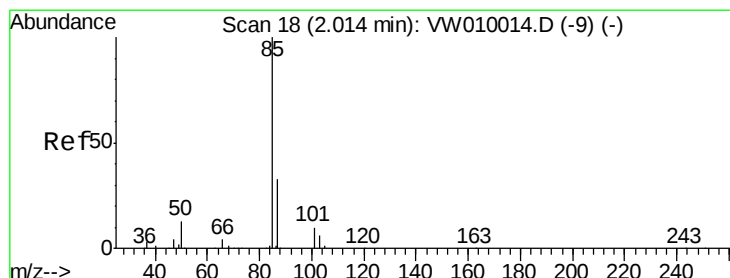
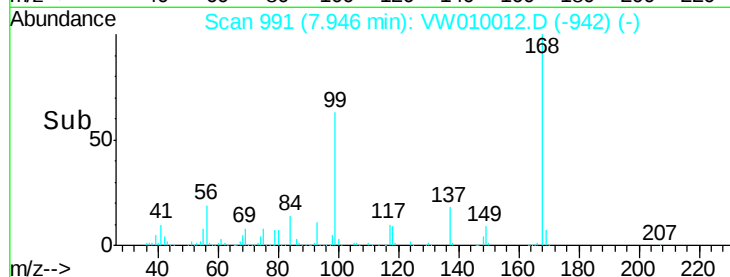
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 11.310 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010012.D

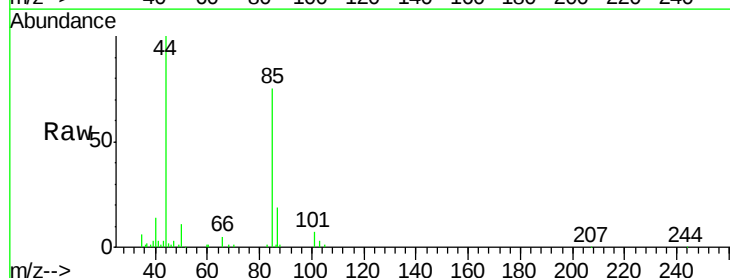
Acq: 17 Apr 2019 11:22

Tgt Ion: 85 Resp: 31879

Ion Ratio Lower Upper

85 100

87 25.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

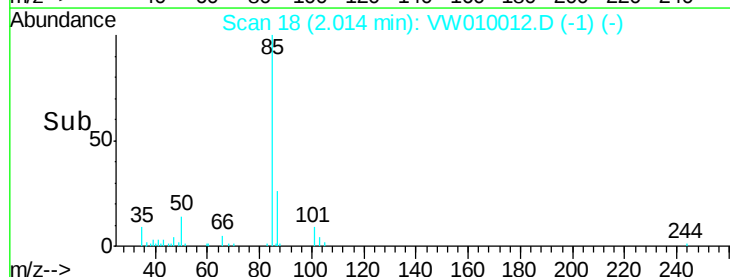
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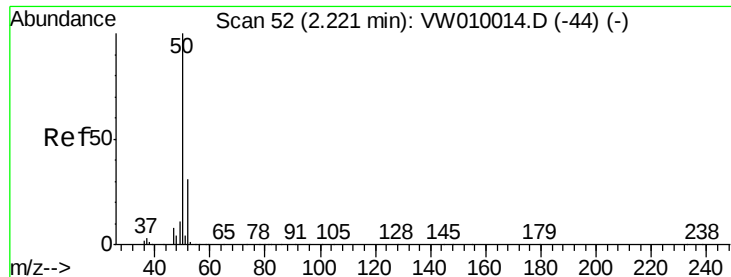
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 10.970 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 31449

Ion Ratio Lower Upper

50 100

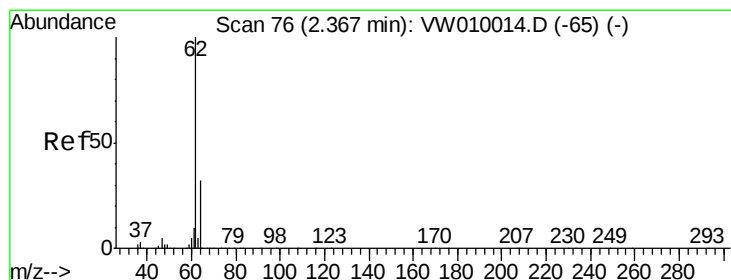
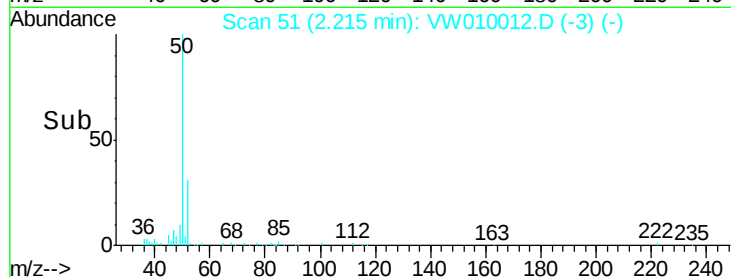
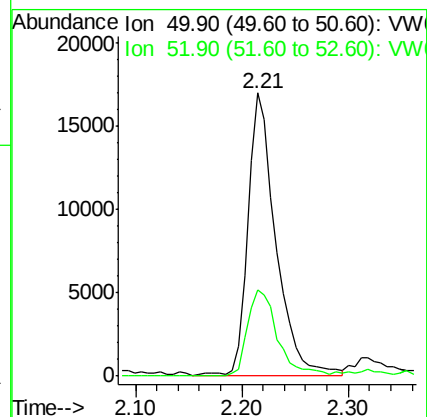
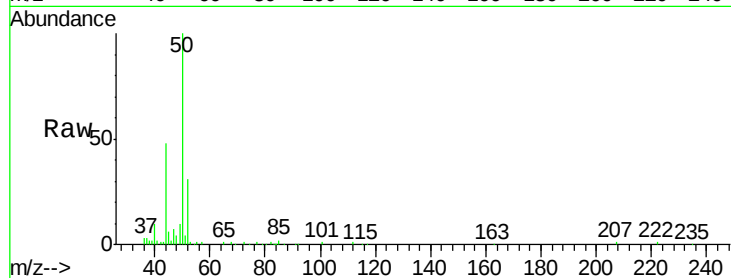
52 30.7 25.0 37.6

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#4

Vinyl Chloride

Concen: 10.770 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW010012.D

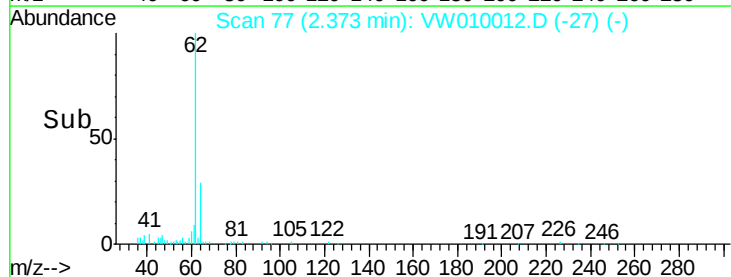
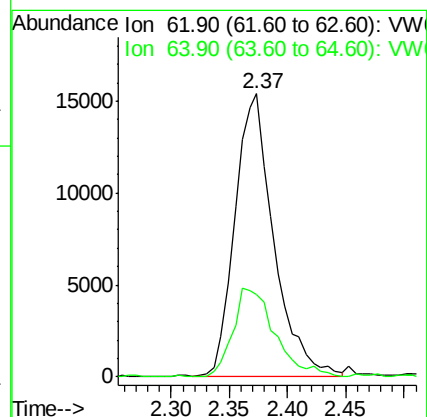
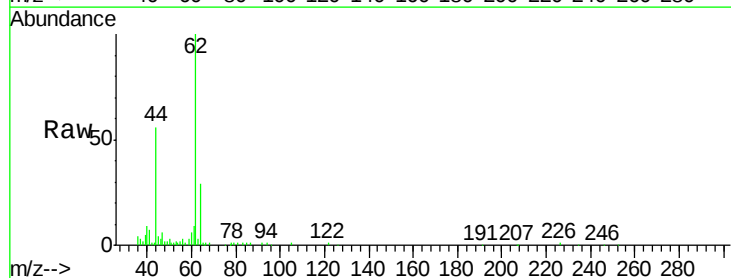
Acq: 17 Apr 2019 11:22

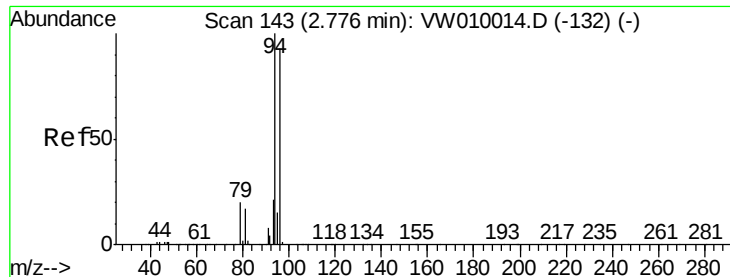
Tgt Ion: 62 Resp: 35887

Ion Ratio Lower Upper

62 100

64 29.0 25.9 38.9





#5

Bromomethane

Concen: 11.153 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 24977

Ion Ratio Lower Upper

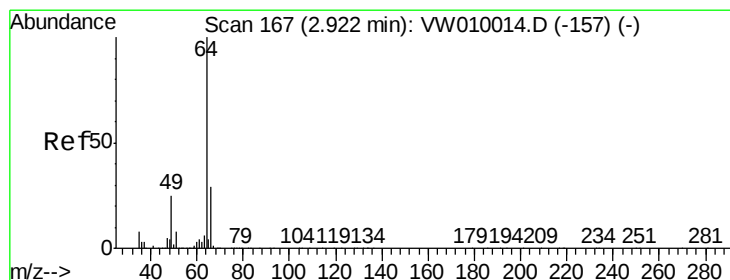
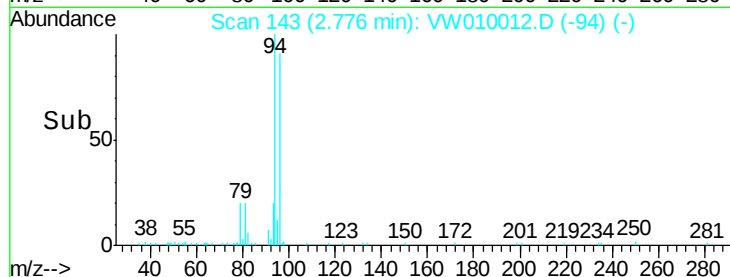
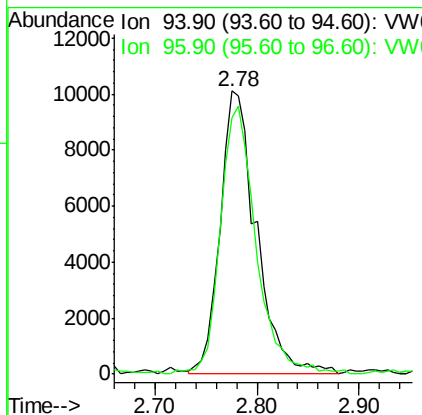
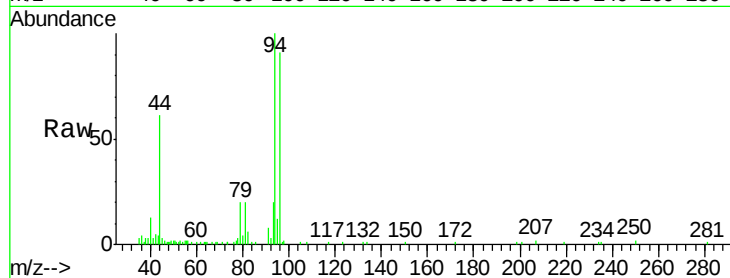
94 100

96 89.7 74.2 111.2

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#6

Chloroethane

Concen: 10.334 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010012.D

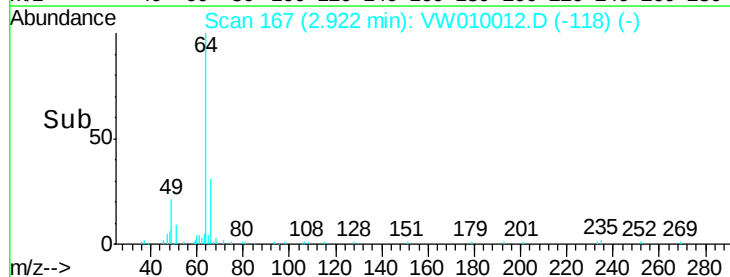
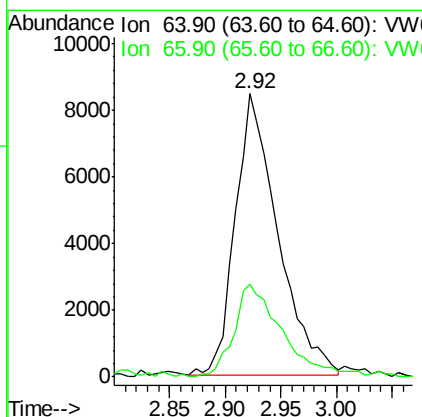
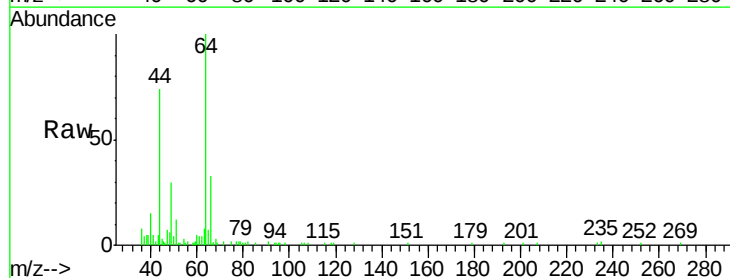
Acq: 17 Apr 2019 11:22

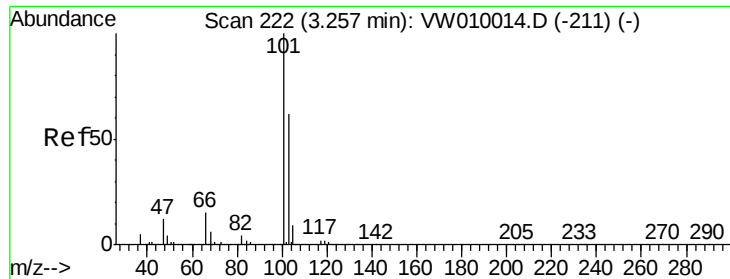
Tgt Ion: 64 Resp: 22499

Ion Ratio Lower Upper

64 100

66 32.8 23.4 35.0





#7

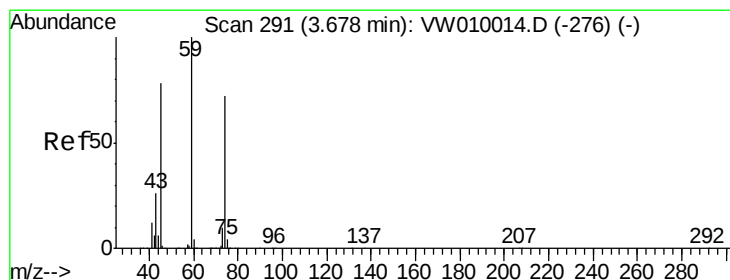
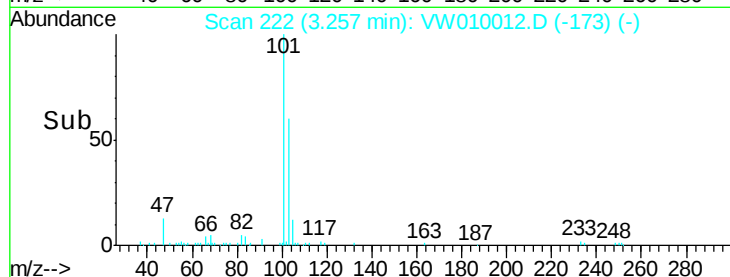
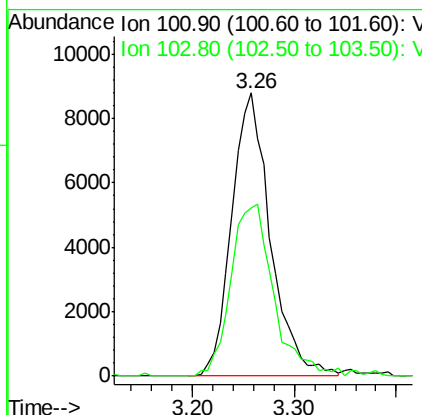
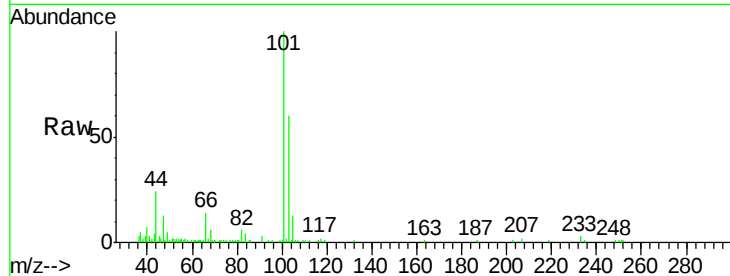
Trichlorofluoromethane
Concen: 10.033 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.6	49.8	74.6

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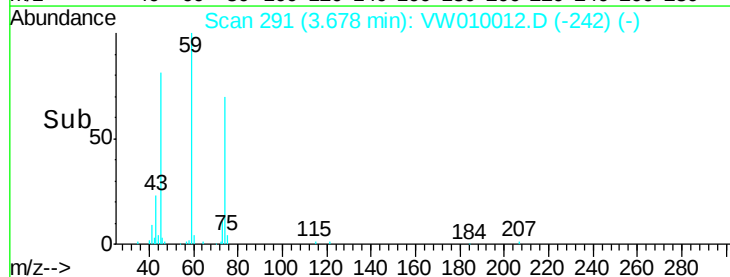
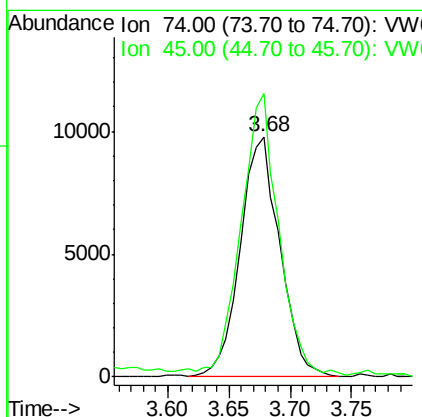
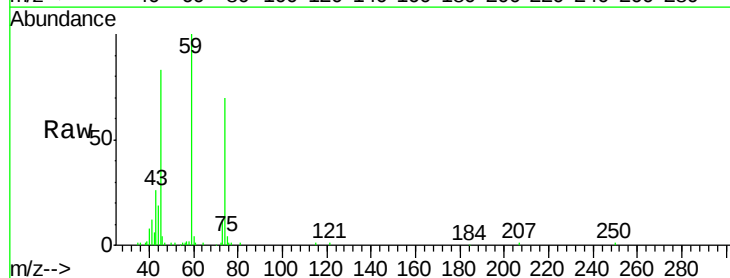
MMDadoda
4/18/2019 11:40:02 AM

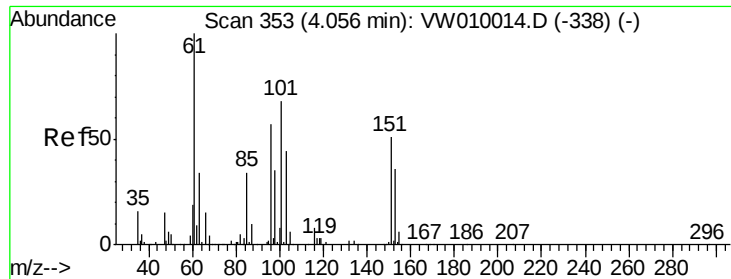


#8

Diethyl Ether
Concen: 11.511 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.837 ug/l m

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

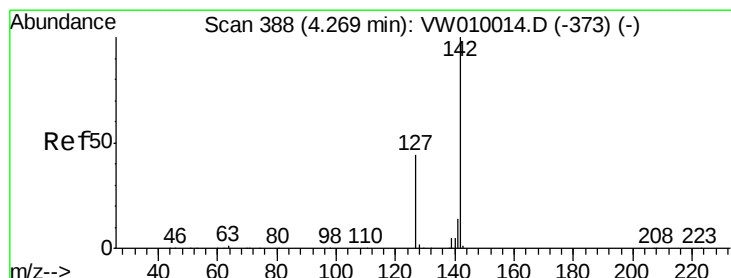
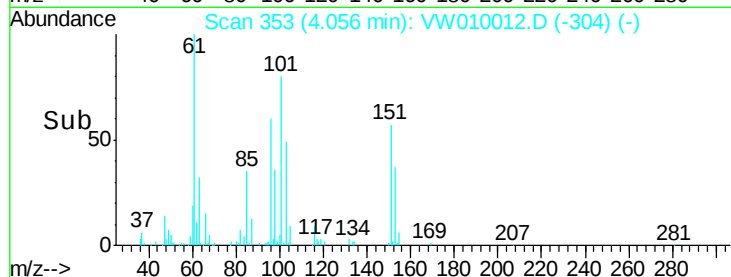
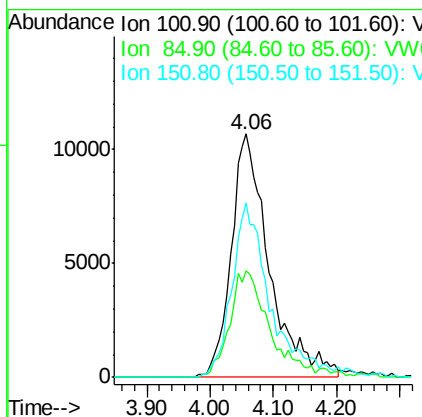
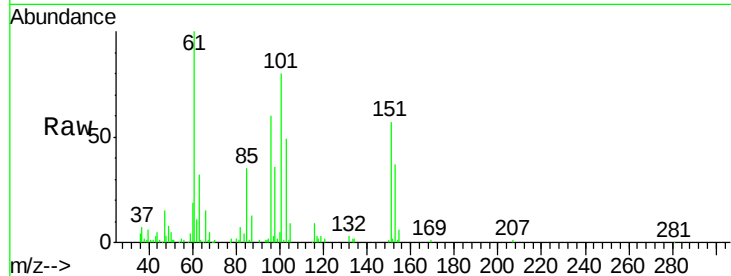
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	44699
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.3	54.5
151	71.3	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 10.895 ug/l

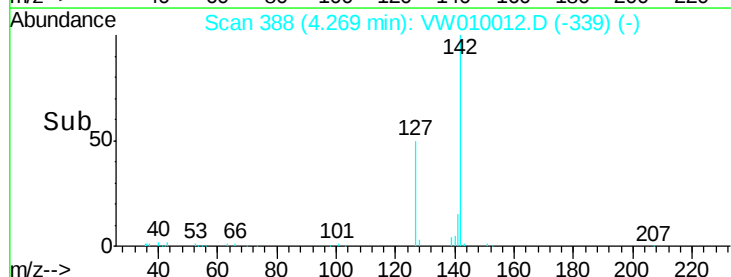
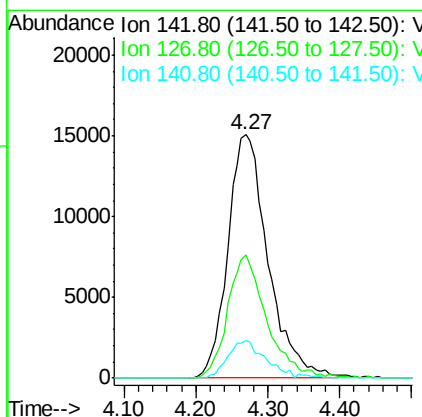
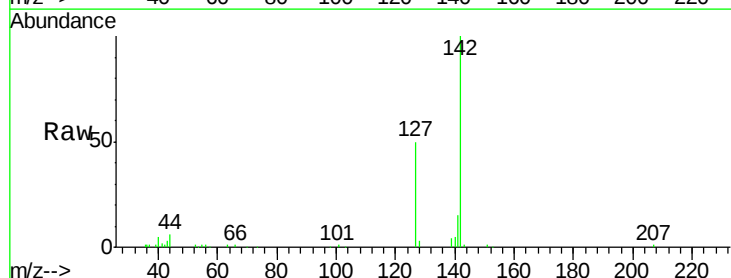
RT: 4.27 min Scan# 388

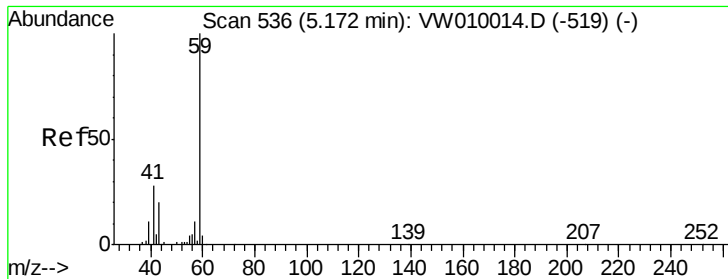
Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Tgt Ion:	142	Resp:	58369
Ion Ratio	Lower	Upper	
142	100		
127	48.8	38.1	57.1
141	14.5	12.2	18.2





#11

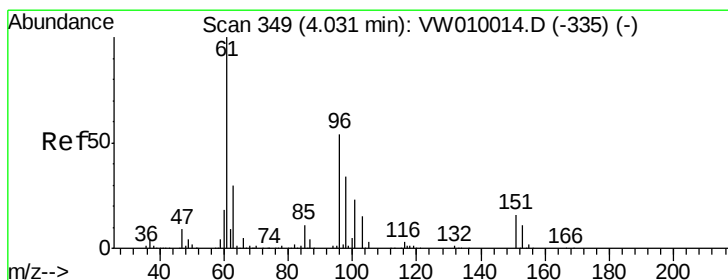
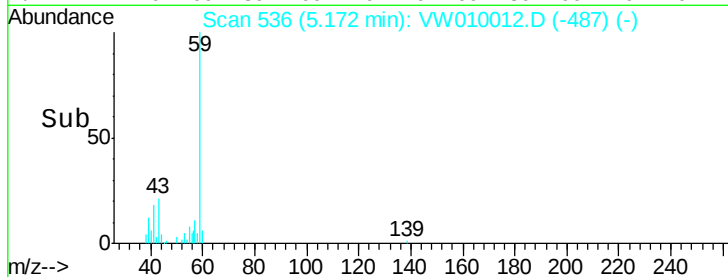
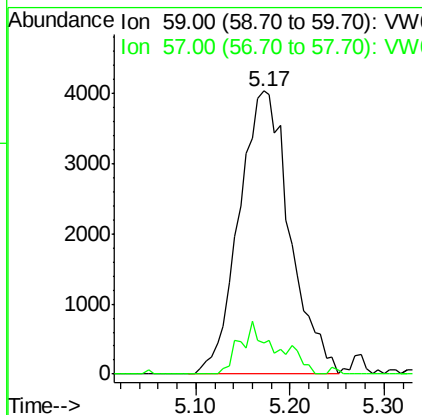
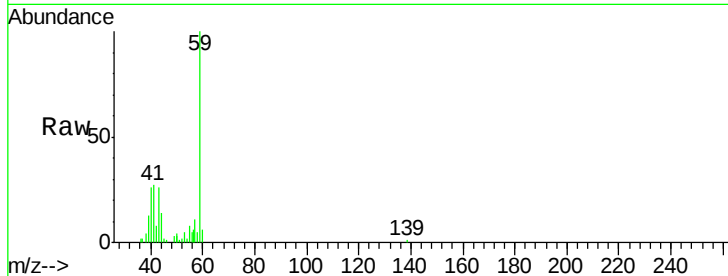
Tert butyl alcohol
 Concen: 57.760 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	15220		
57	57	11.1		9.0	13.4

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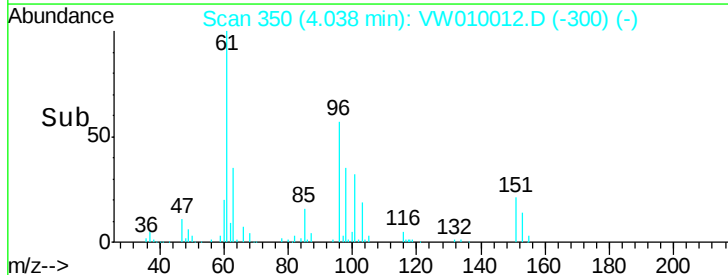
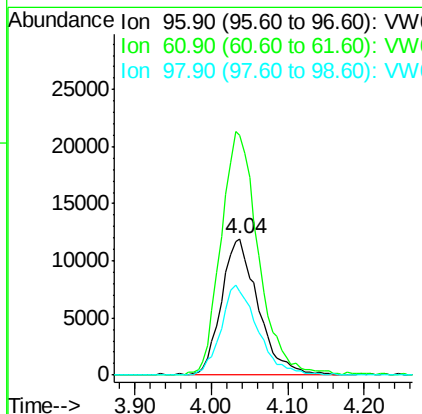
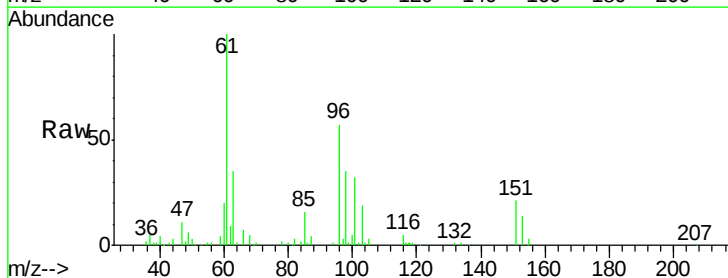
MMDadoda
 4/18/2019 11:40:02 AM

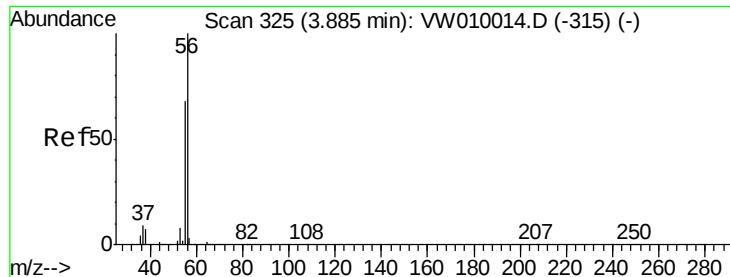


#12

1,1-Dichloroethene
 Concen: 10.738 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	39909		
61	61	175.3		147.4	221.2
98	98	61.1		49.7	74.5





#13

Acrolein

Concen: 50.956 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Tot Ion: 56 Resp: 14167

Ion Ratio Lower Upper

56 100

55 77.2 54.2 81.2

Instrument :

MSVOA_W

ClientSampleId :

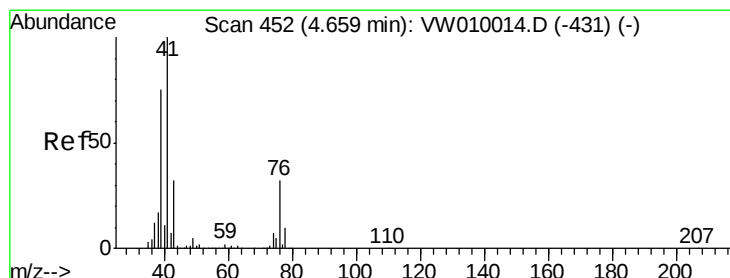
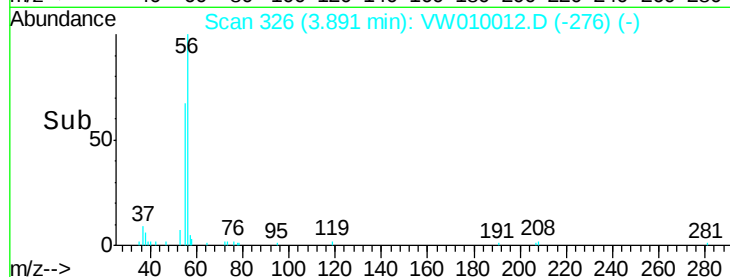
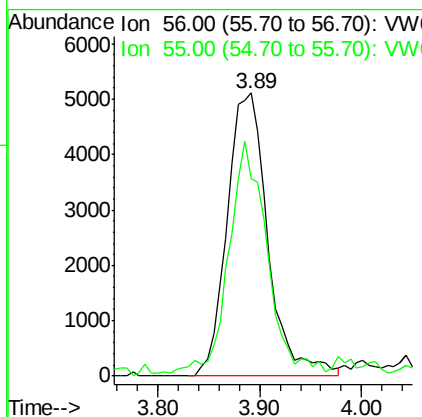
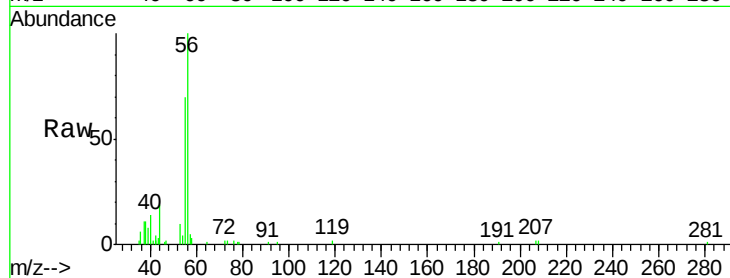
VSTDIC010

Manual Integrations

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#14

Allyl chloride

Concen: 10.670 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

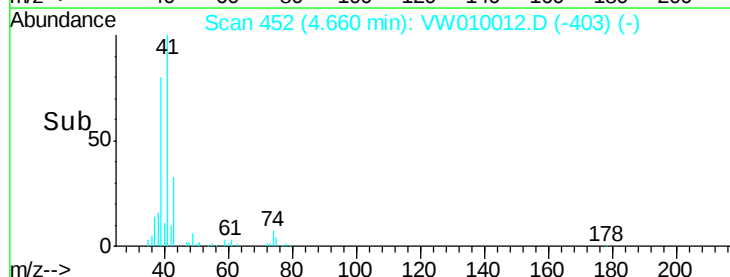
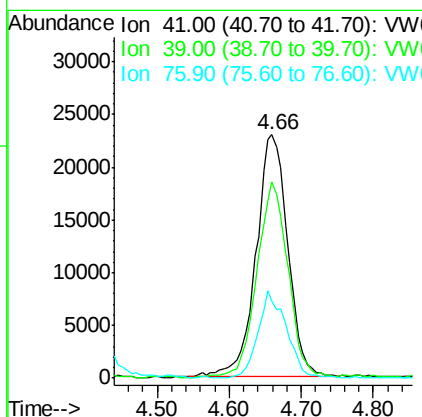
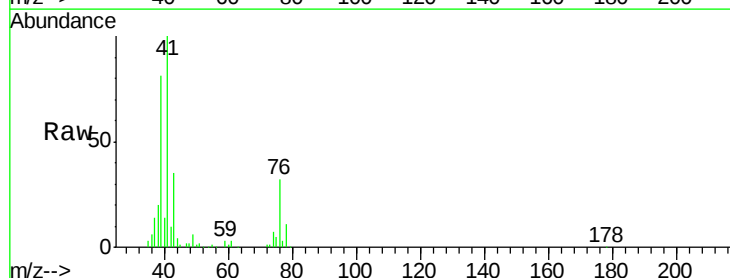
Tgt Ion: 41 Resp: 70504

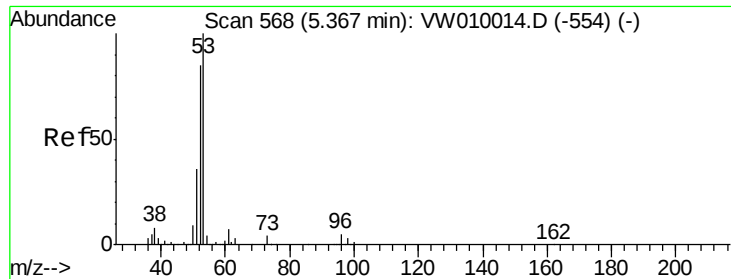
Ion Ratio Lower Upper

41 100

39 80.3 60.2 90.4

76 32.3 25.0 37.6





#15

Acrylonitrile

Concen: 55.842 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

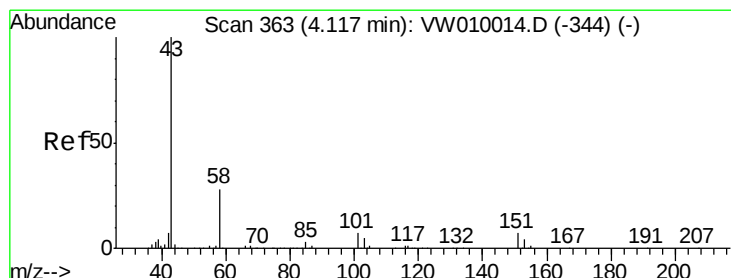
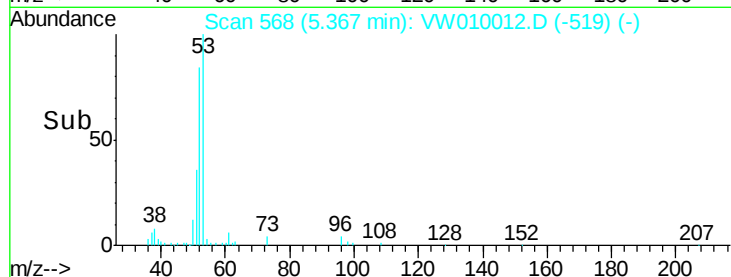
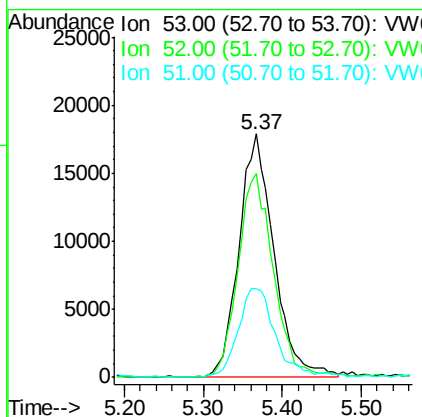
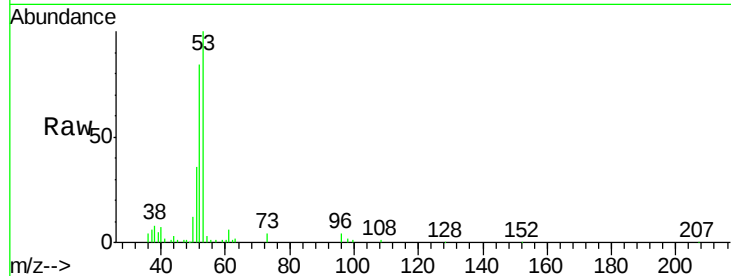
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	55075
Ion	Ratio	Lower	Upper
53	100		
52	85.3	66.6	100.0
51	38.7	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 60.610 ug/l

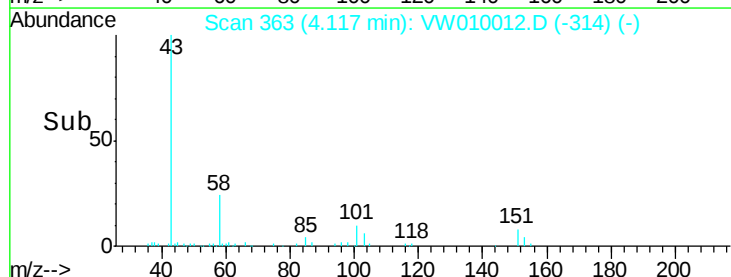
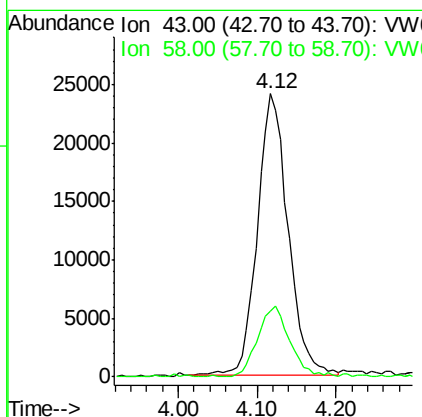
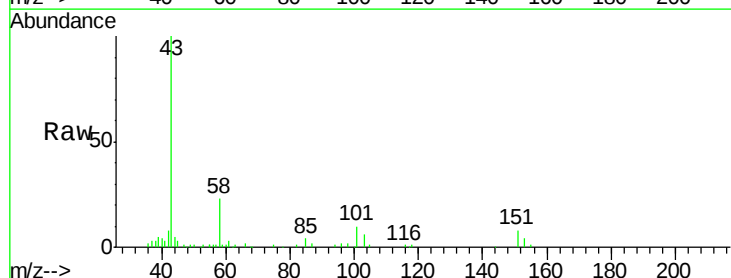
RT: 4.12 min Scan# 363

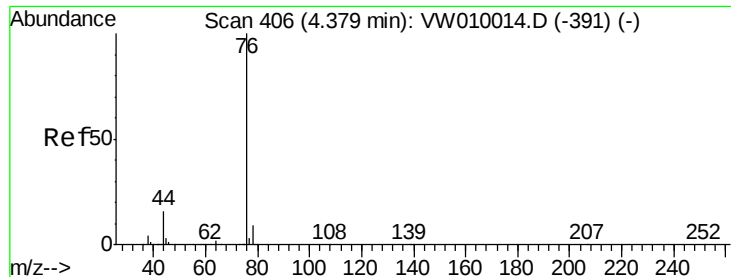
Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Tgt Ion:	43	Resp:	65245
Ion	Ratio	Lower	Upper
43	100		
58	23.2	22.7	34.1





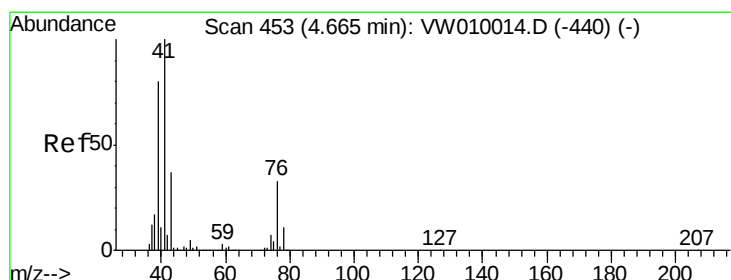
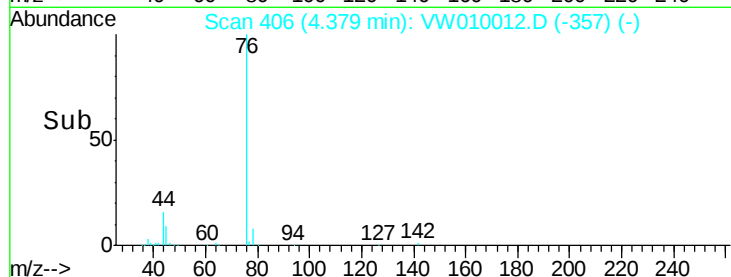
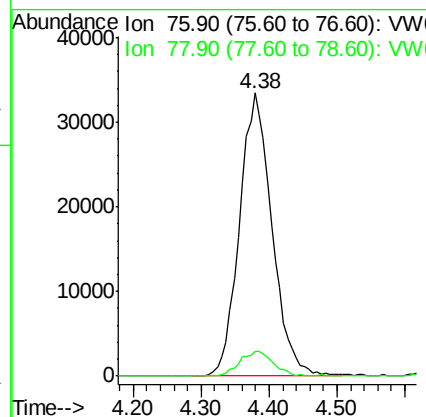
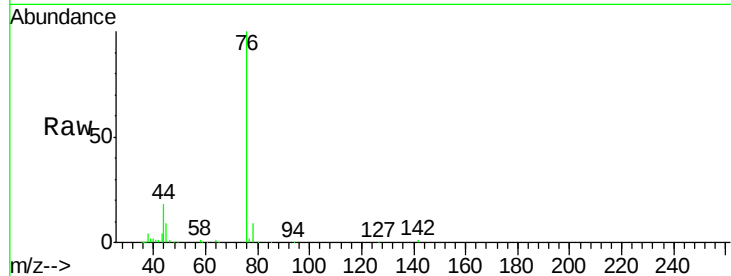
#17
Carbon Disulfide
Concen: 10.882 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	8.7	7.4	11.2	

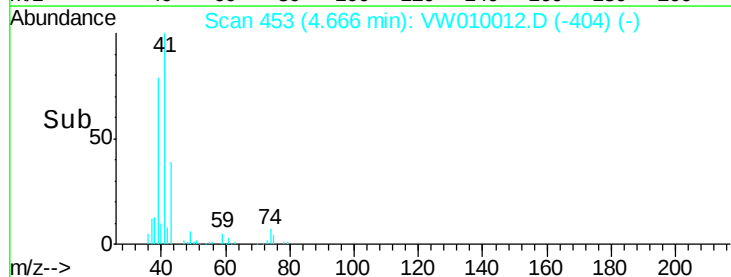
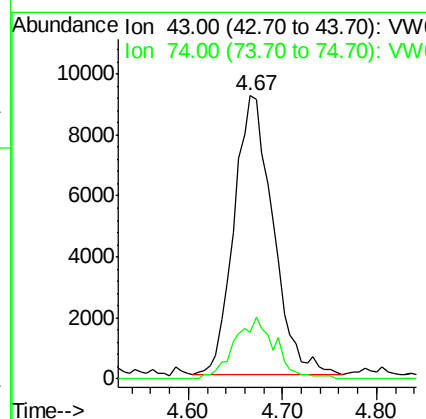
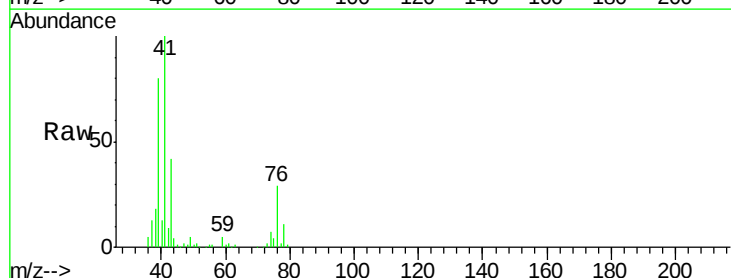
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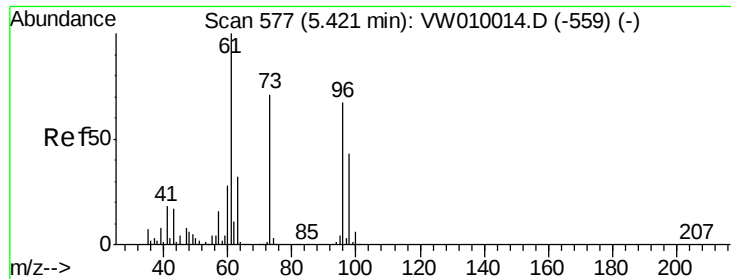
MMDadoda
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#18
Methyl Acetate
Concen: 10.648 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	23.1	16.8	25.2	





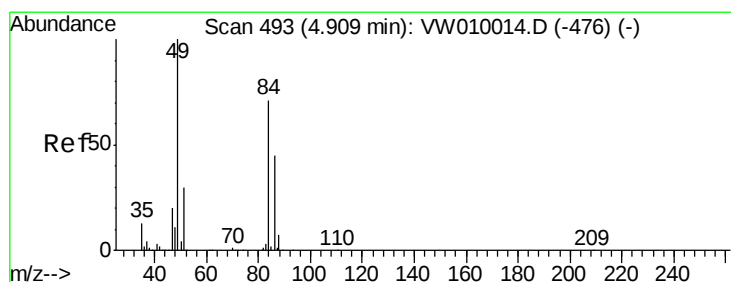
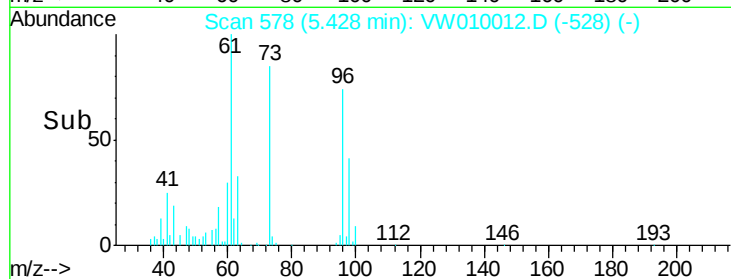
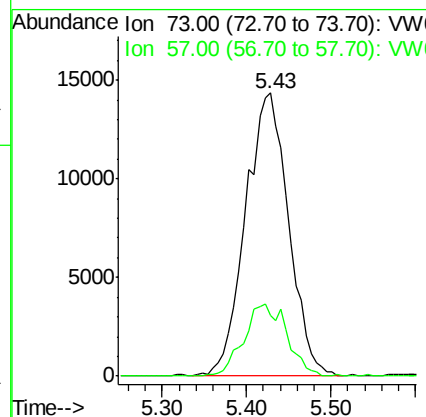
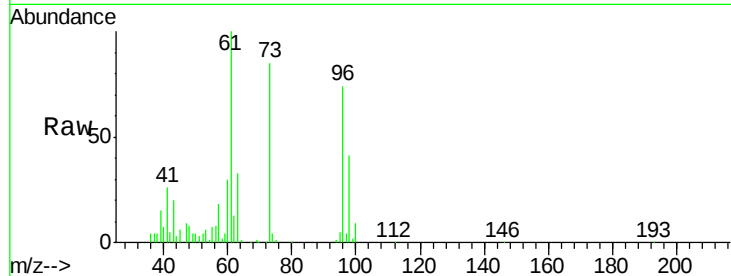
#19
Methvl tert-butvl Ether
Concen: 10.342 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 49928
Ion Ratio Lower Upper
73 100
57 21.4 18.5 27.7

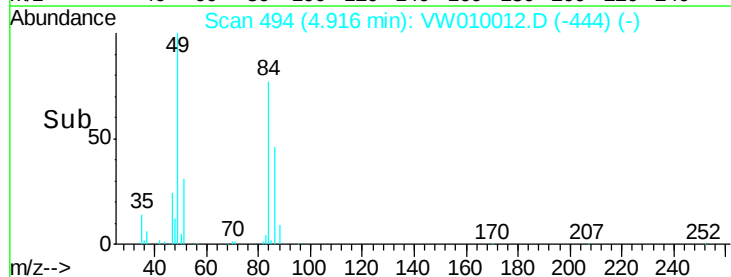
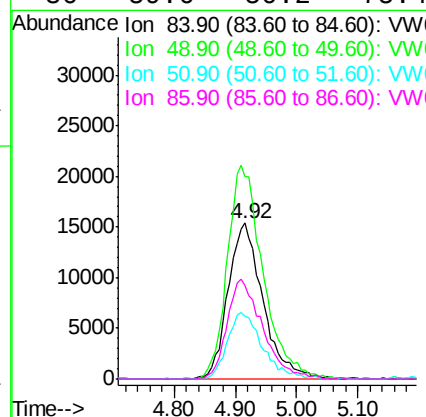
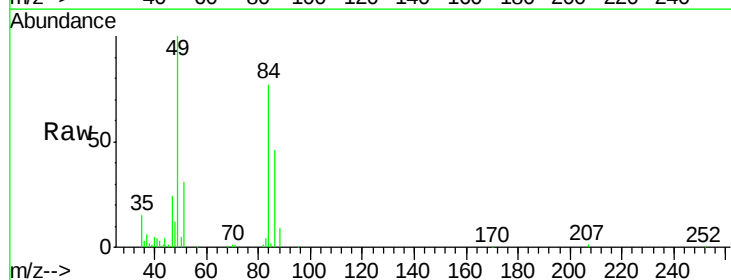
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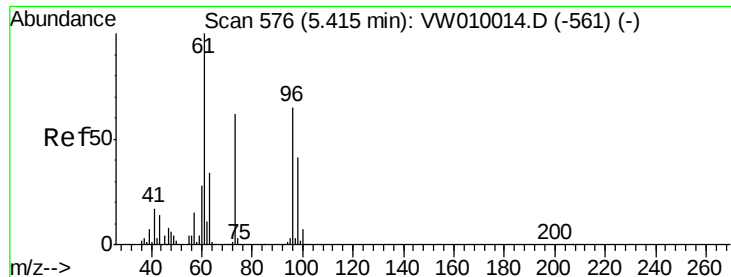
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#20
Methylene Chloride
Concen: 12.301 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion: 84 Resp: 60922
Ion Ratio Lower Upper
84 100
49 130.0 112.3 168.5
51 40.5 33.9 50.9
86 59.6 50.2 75.4





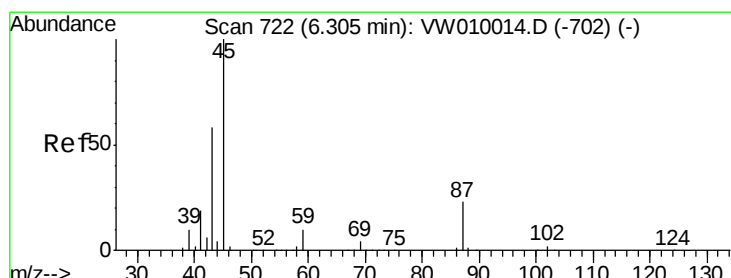
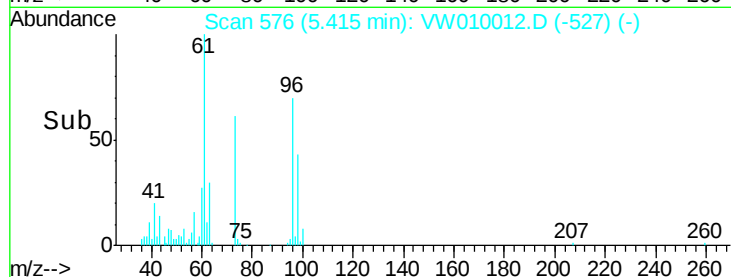
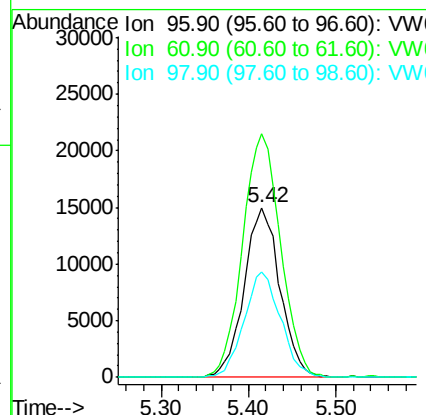
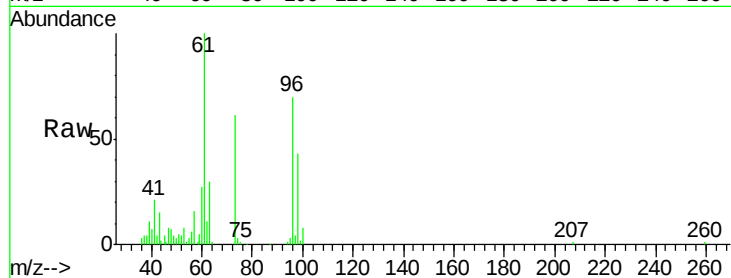
#21
trans-1,2-Dichloroethene
Concen: 10.602 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	122.3	183.5
98	62.2	50.5	75.7

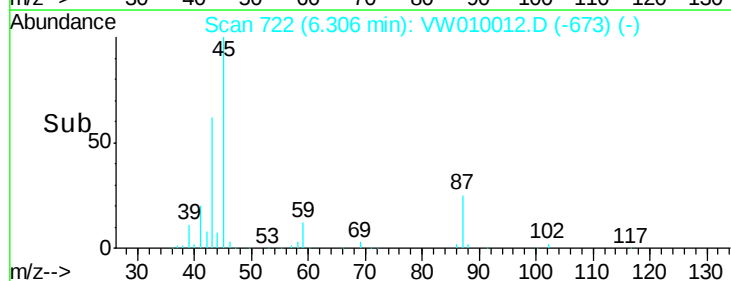
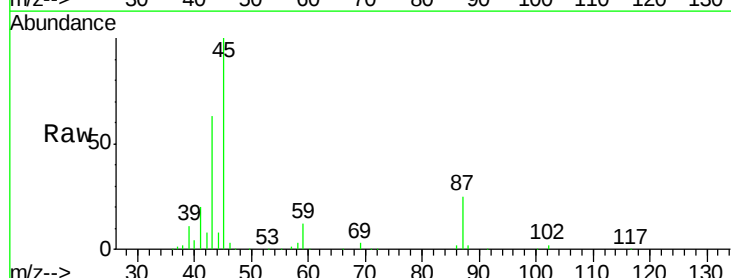
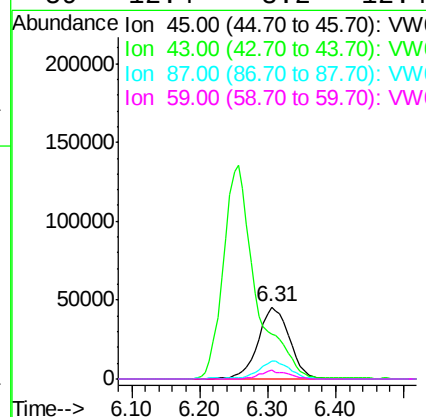
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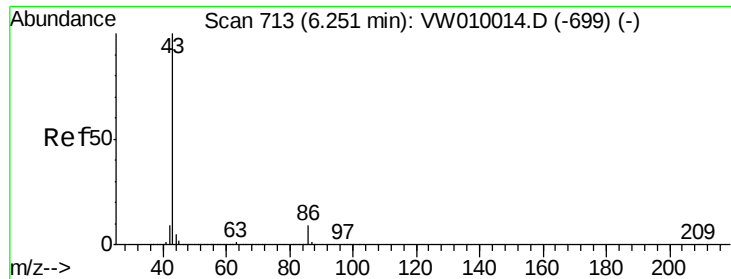
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#22
Diisopropyl ether
Concen: 10.971 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	46.1	69.1
87	24.6	18.3	27.5
59	12.4	8.2	12.4#





#23

Vinyl Acetate

Concen: 53.002 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 447213

Ion Ratio Lower Upper

43 100

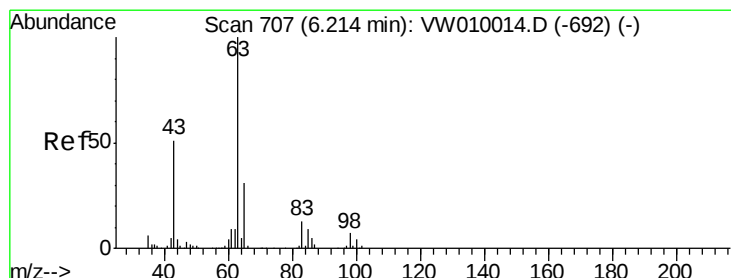
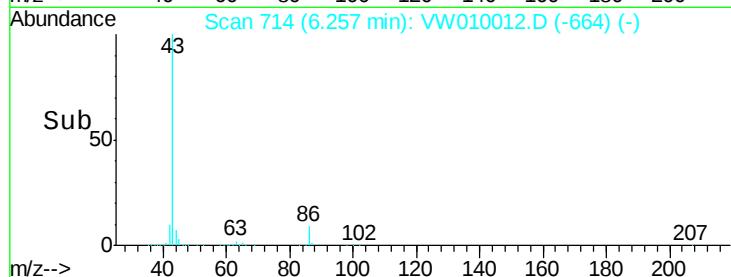
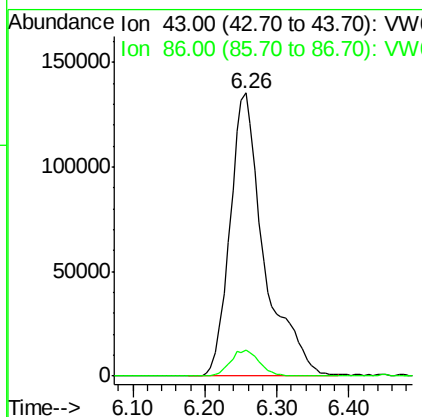
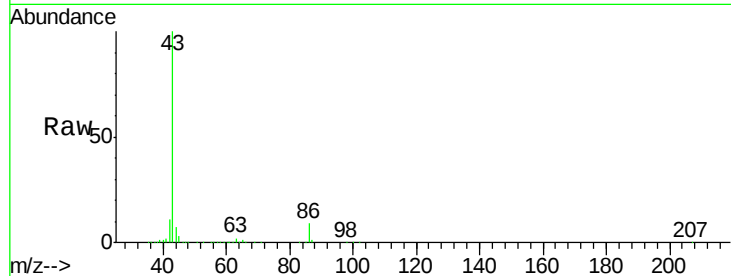
86 9.3 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 11.083 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

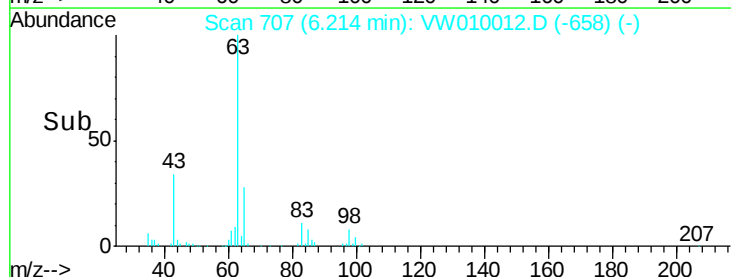
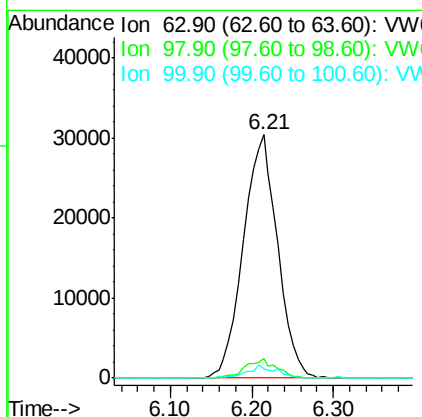
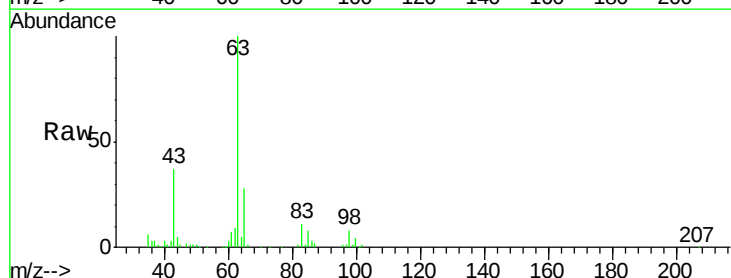
Tgt Ion: 63 Resp: 88806

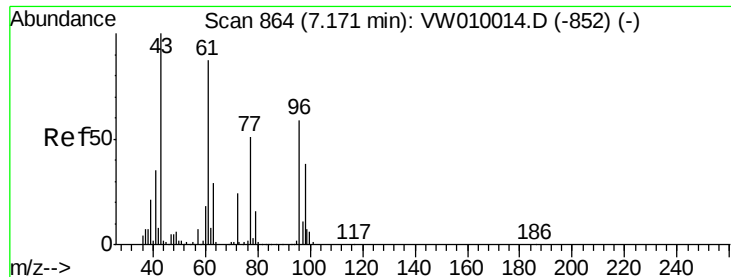
Ion Ratio Lower Upper

63 100

98 8.1 3.3 9.8

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 55.457 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 78420

Ion Ratio Lower Upper

43 100

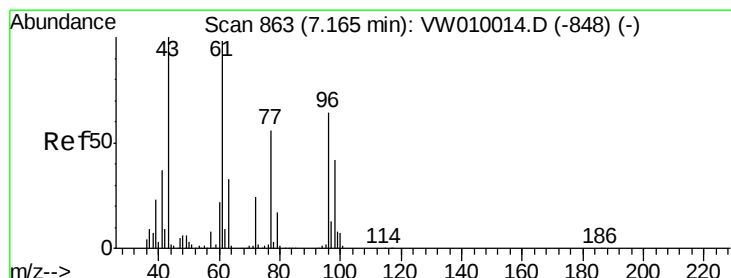
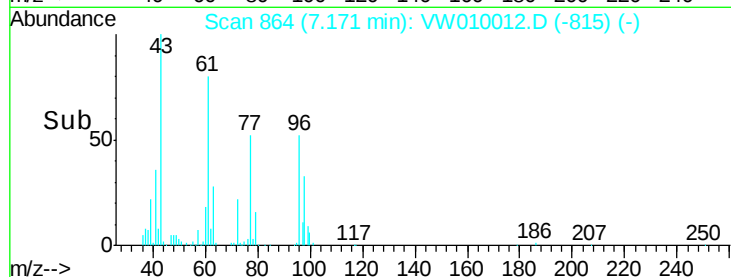
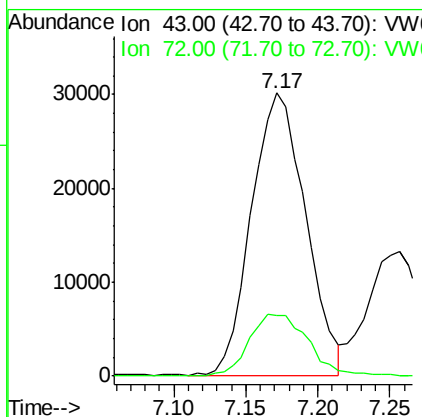
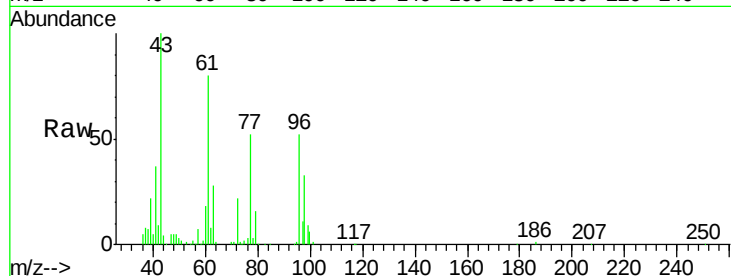
72 21.7 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 11.245 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010012.D

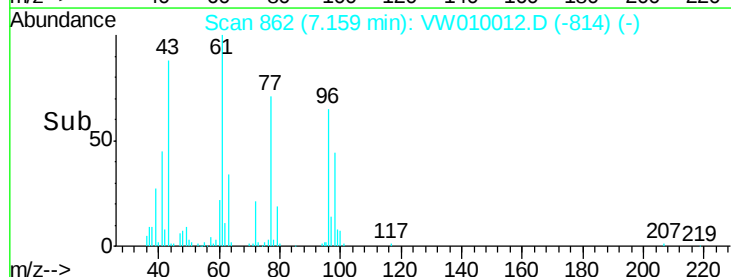
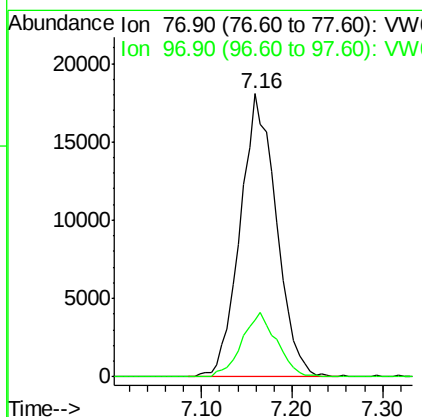
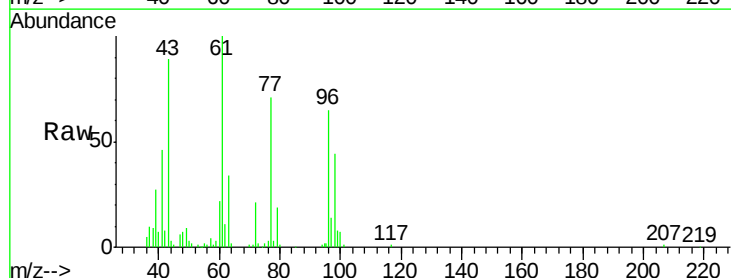
Acq: 17 Apr 2019 11:22

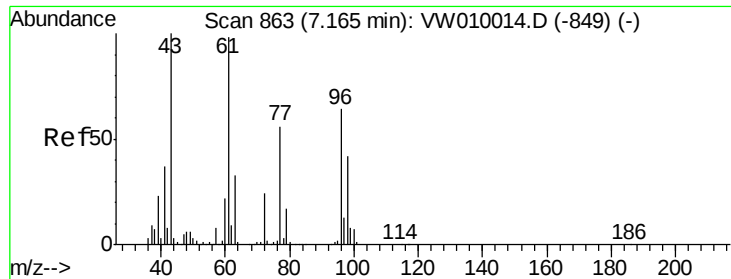
Tgt Ion: 77 Resp: 49847

Ion Ratio Lower Upper

77 100

97 22.0 11.3 33.9





#27

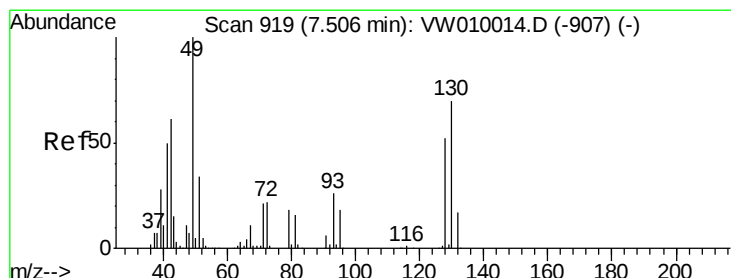
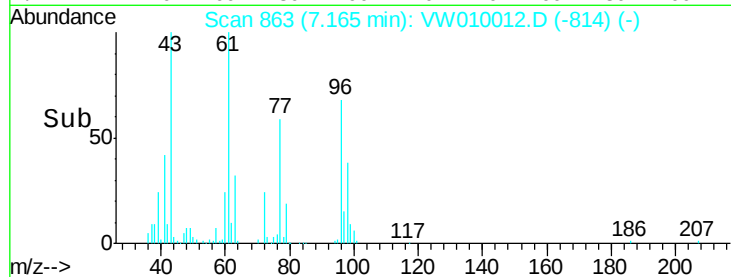
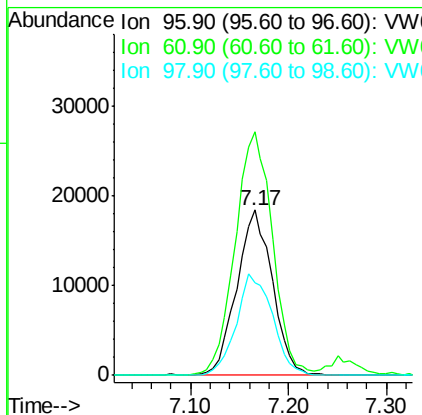
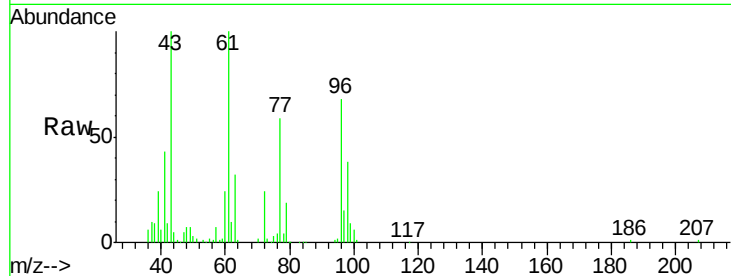
cis-1,2-Dichloroethene
Concen: 10.573 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	309.4
98	62.0	0.0	128.6

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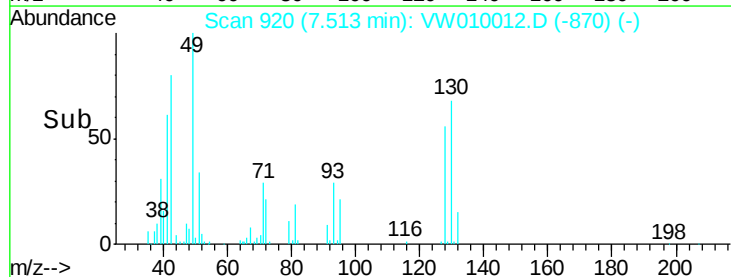
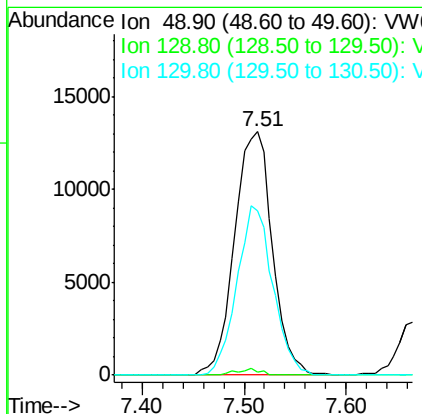
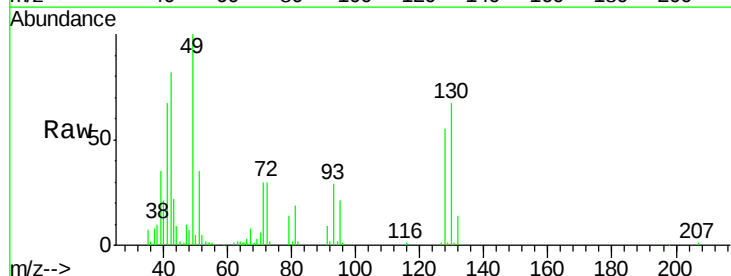
MMDadoda
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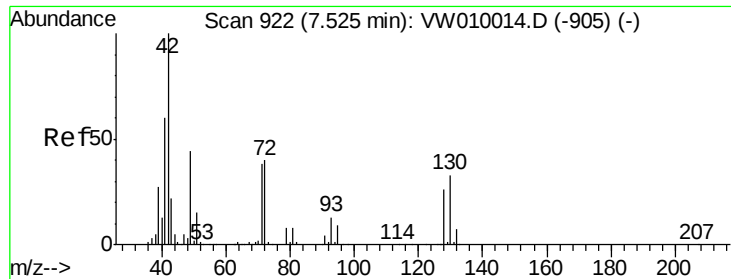


#28

Bromochloromethane
Concen: 10.283 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	65.8	54.6	82.0





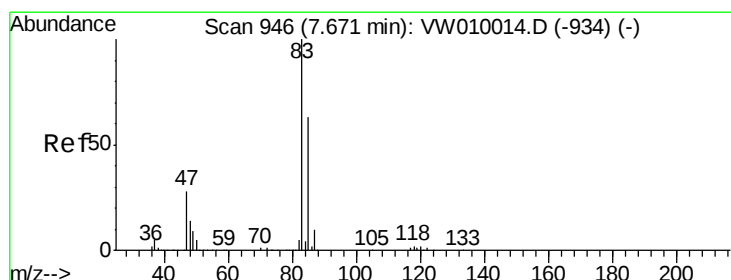
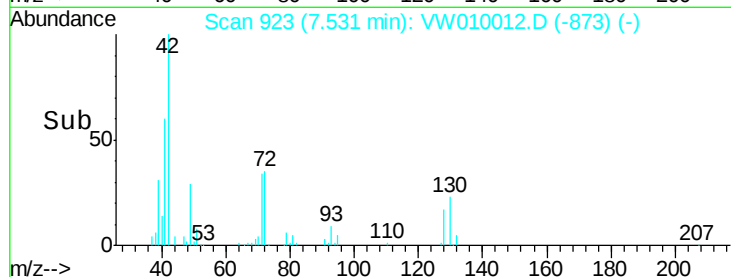
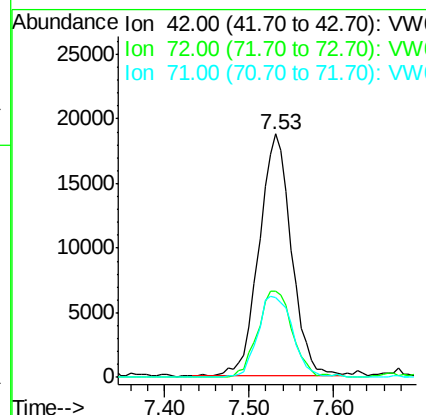
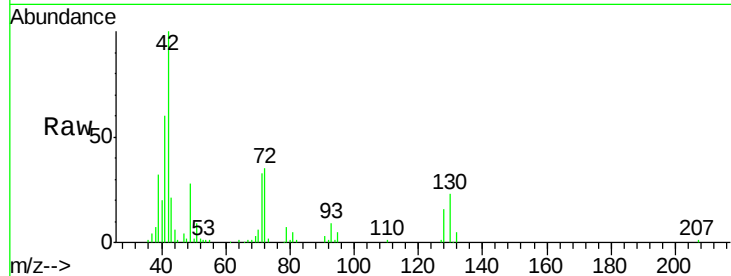
#29
Tetrahydrofuran
Concen: 55.050 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.0	46.6
71	36.4	29.7	44.5

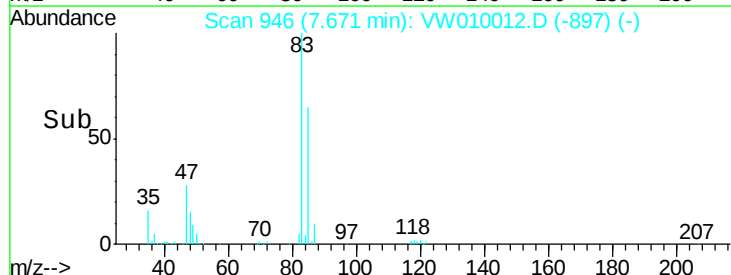
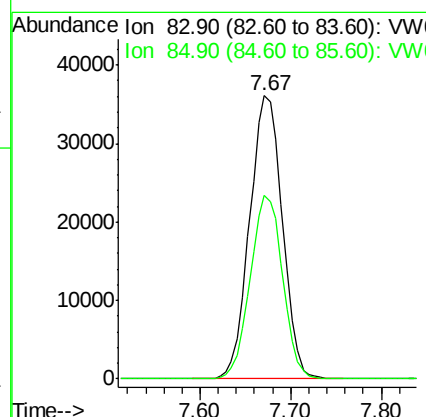
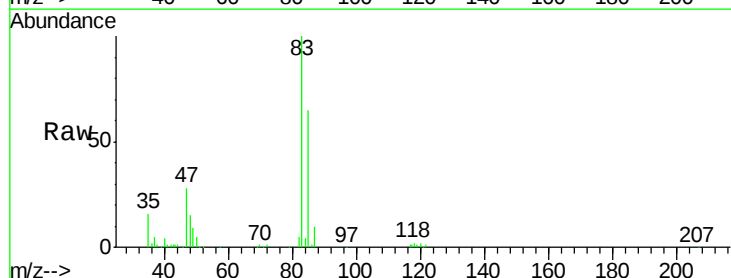
Manual Integrations
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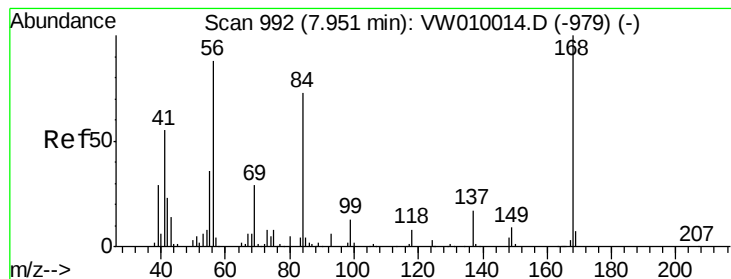
MMDadoda
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#30
Chloroform
Concen: 11.227 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.7	76.1





#31

Cyclohexane

Concen: 11.176 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

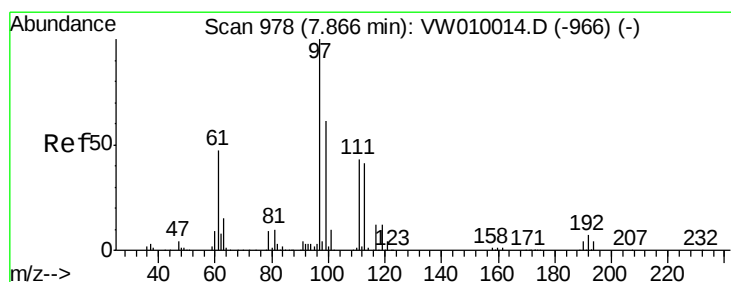
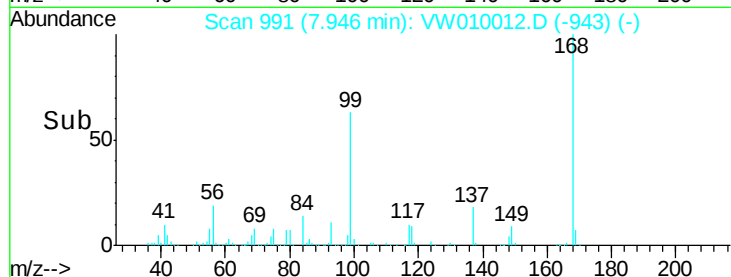
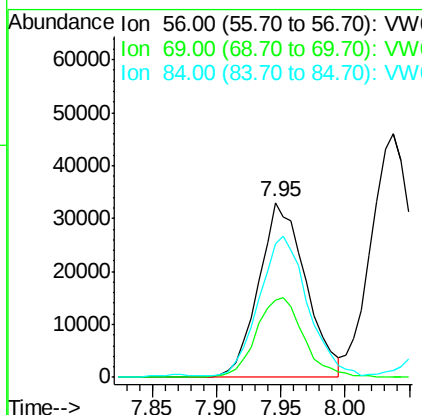
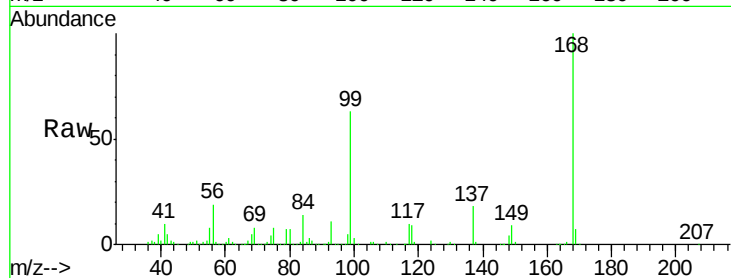
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	83851
Ion Ratio	Lower	Upper	
56	100		
69	44.1	26.6	40.0#
84	75.6	66.2	99.2

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#32

1,1,1-Trichloroethane

Concen: 11.025 ug/l

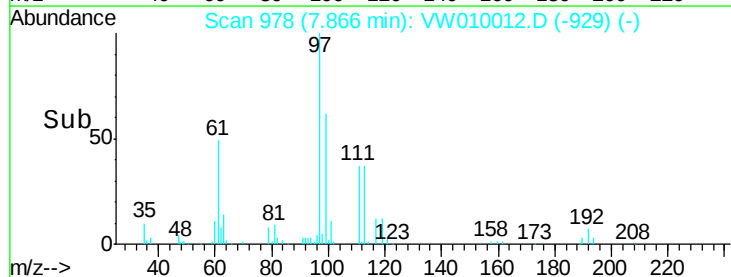
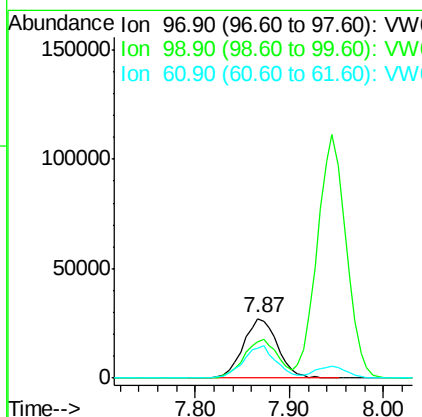
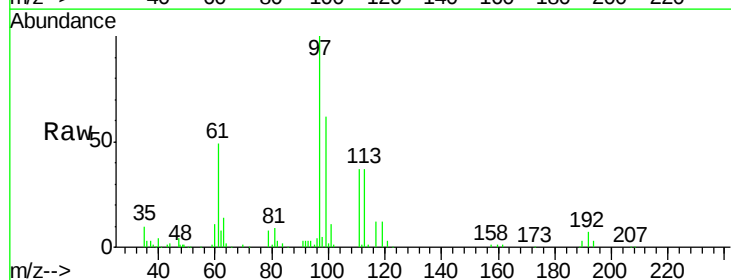
RT: 7.87 min Scan# 978

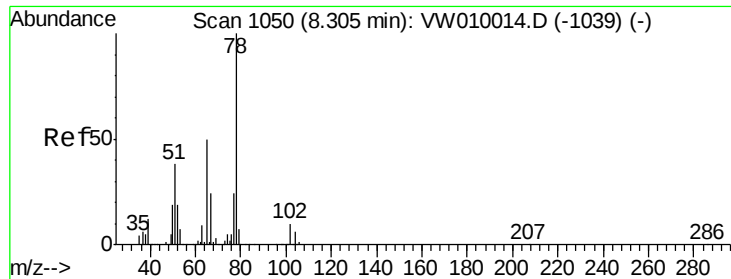
Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Tgt Ion:	97	Resp:	69486
Ion Ratio	Lower	Upper	
97	100		
99	64.7	50.2	75.2
61	51.1	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 10.521 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 65 Resp: 48812

Ion Ratio Lower Upper

65 100

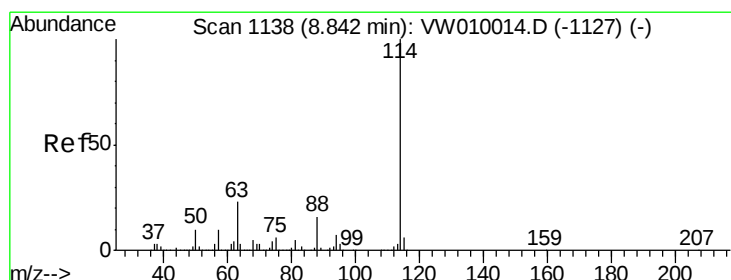
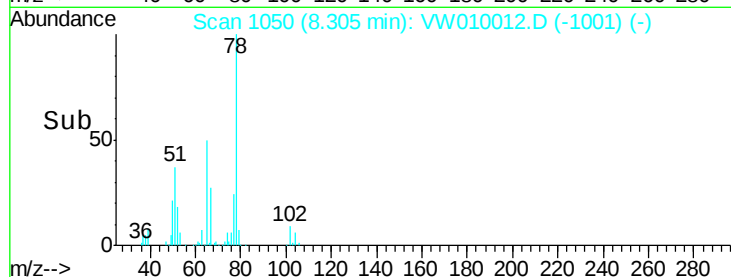
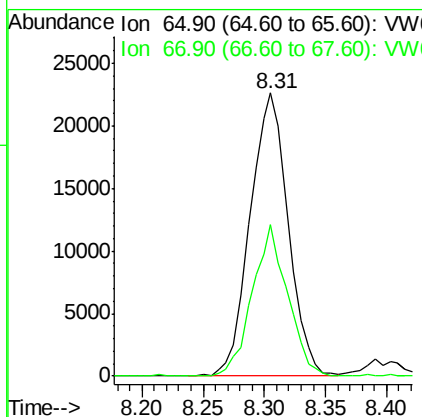
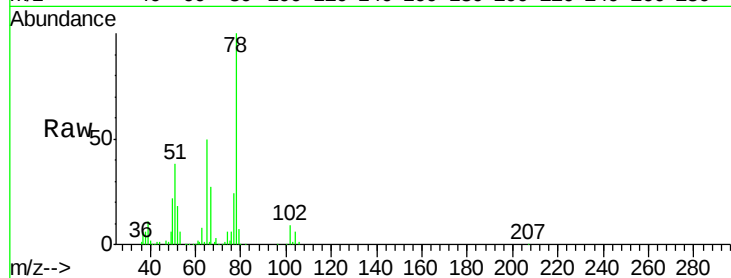
67 49.7 0.0 100.8

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: VW010012.D

Acq: 17 Apr 2019 11:22

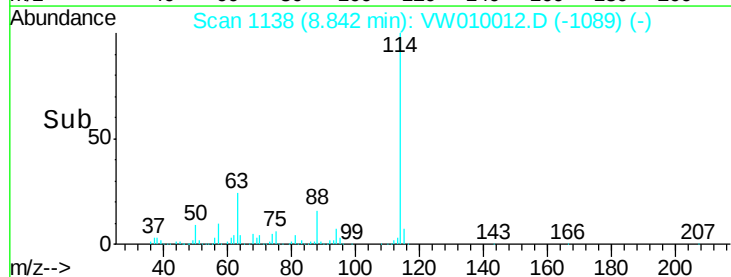
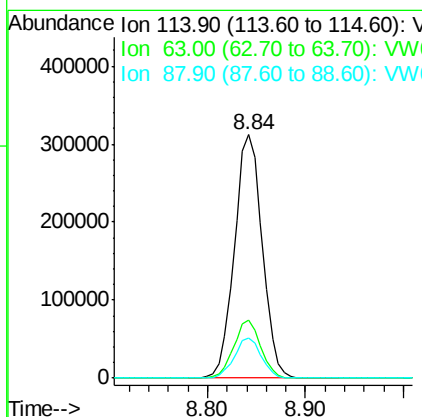
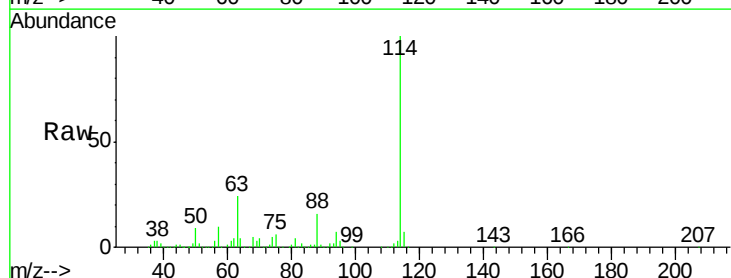
Tgt Ion: 114 Resp: 612493

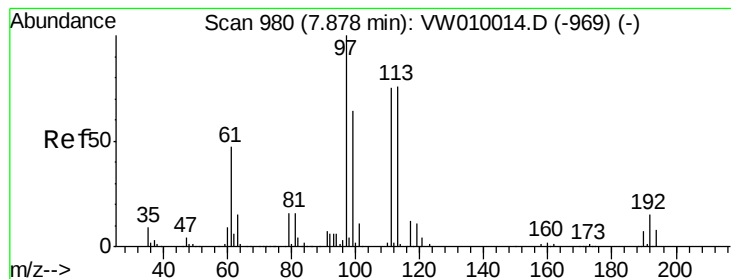
Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.2

88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 10.070 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

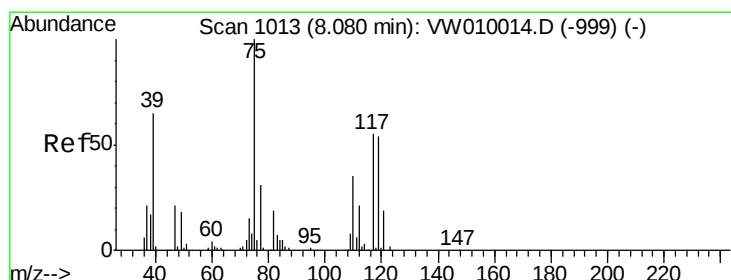
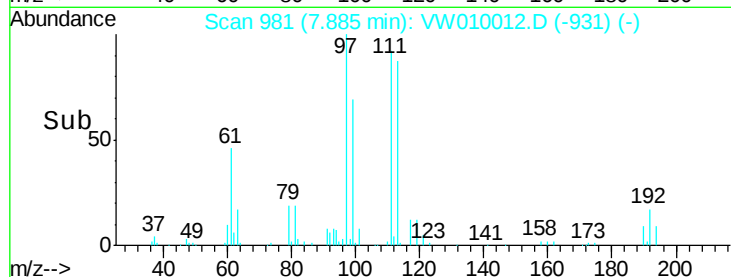
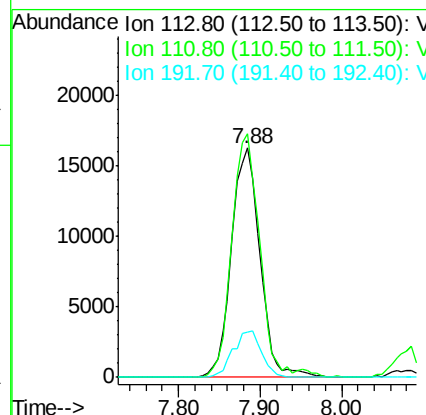
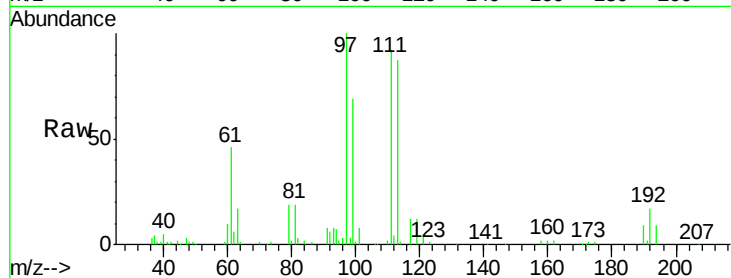
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	39213
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.6	123.8
192	20.0	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 10.890 ug/l

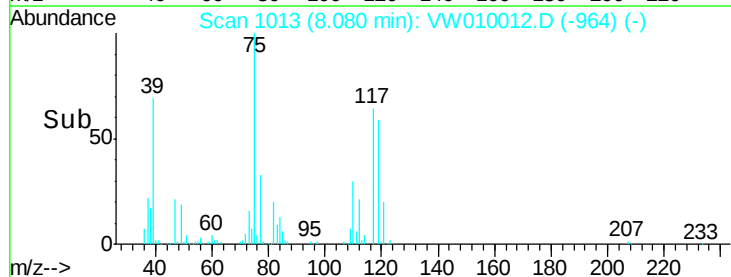
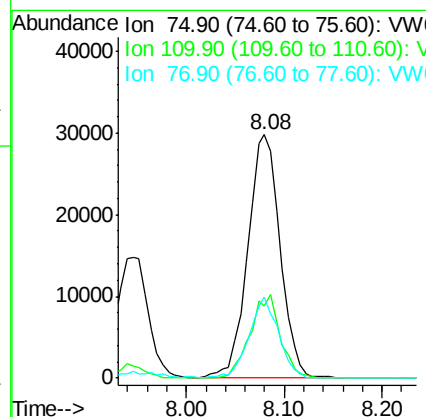
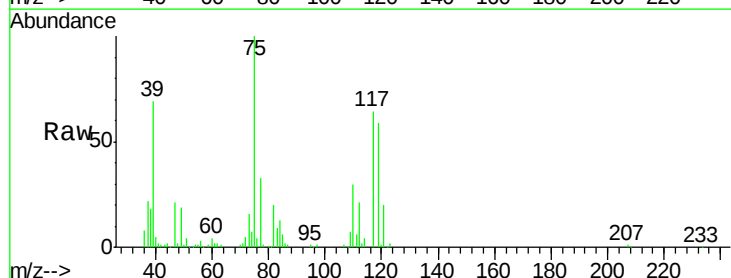
RT: 8.08 min Scan# 1013

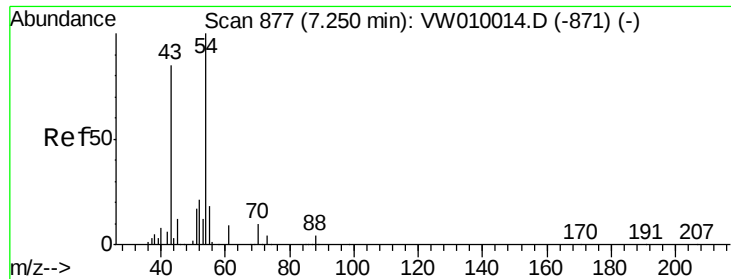
Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Tgt Ion:	75	Resp:	68134
Ion Ratio	Lower	Upper	
75	100		
110	32.0	16.6	49.8
77	30.6	24.8	37.2





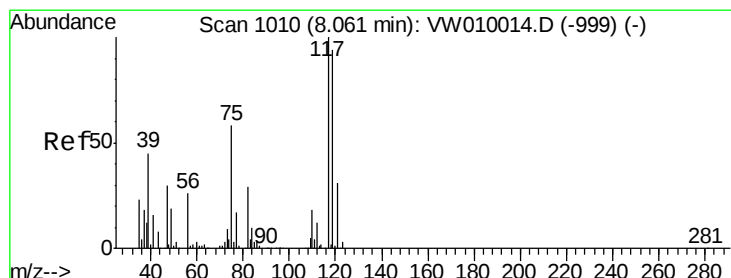
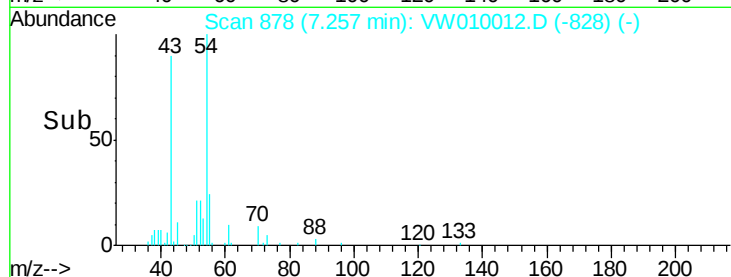
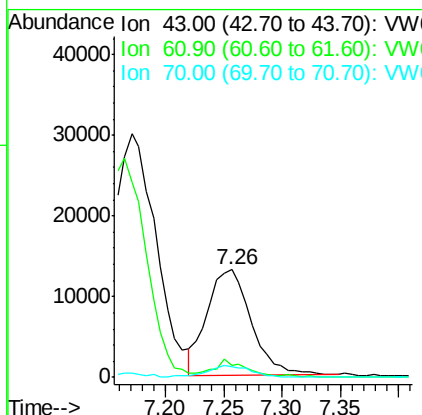
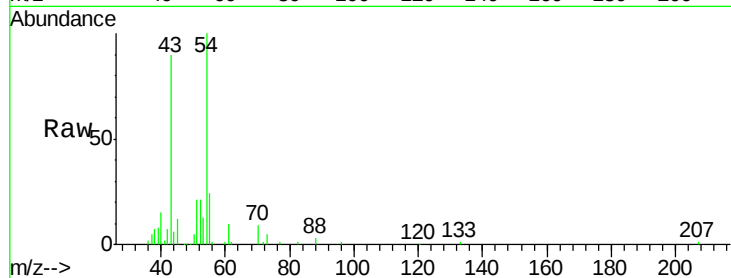
#37
Ethyl Acetate
Concen: 10.915 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.8	14.8
70	10.8	7.4	11.0

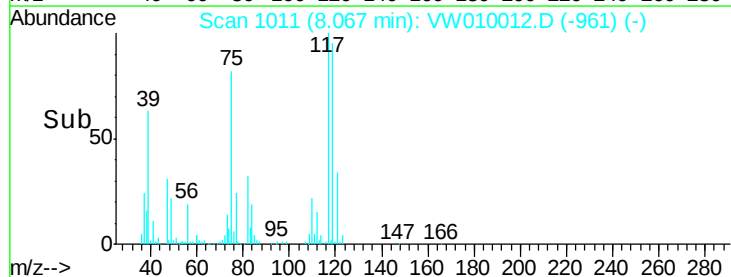
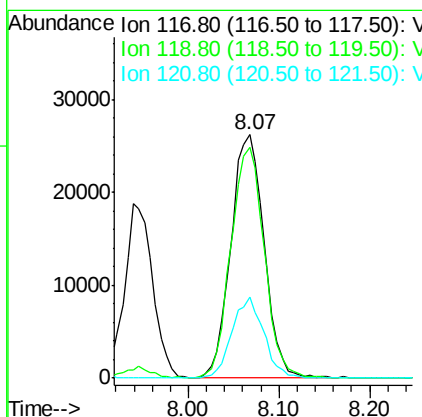
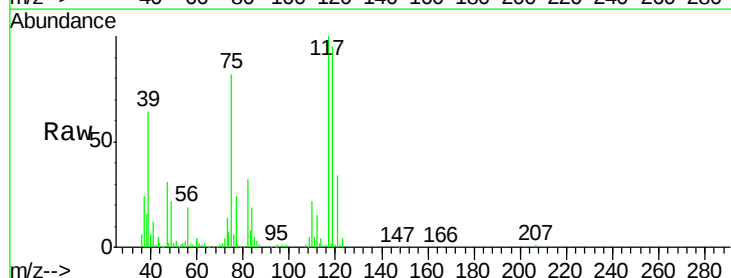
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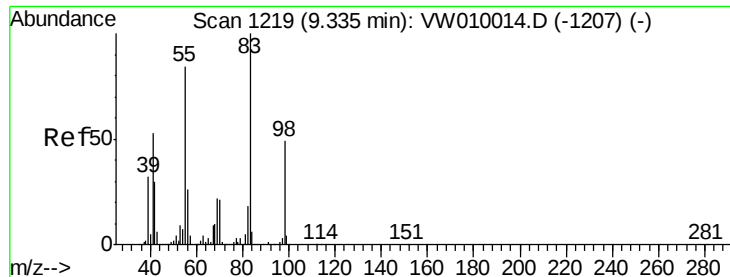
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#38
Carbon Tetrachloride
Concen: 10.944 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.3	112.9
121	33.5	24.4	36.6





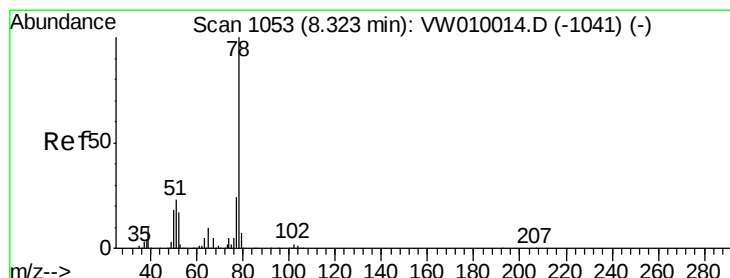
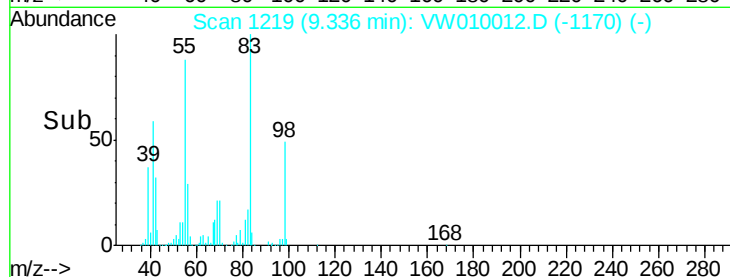
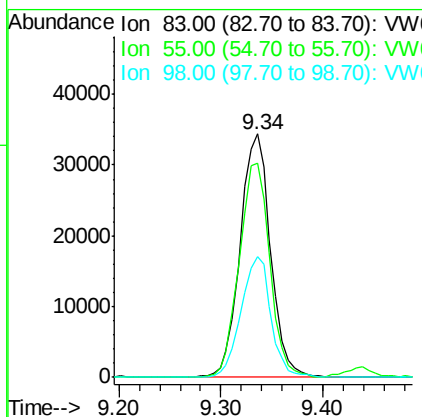
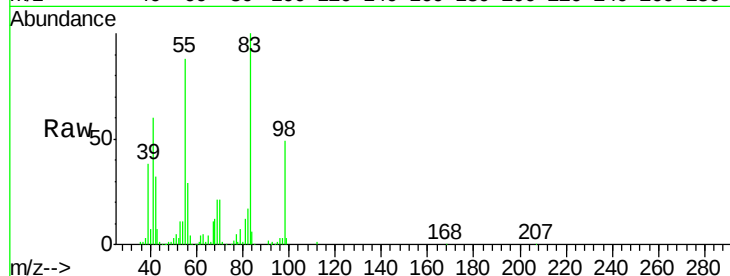
#39
Methvlcvclohexane
Concen: 10.108 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.1	67.1	100.7
98	49.4	39.2	58.8

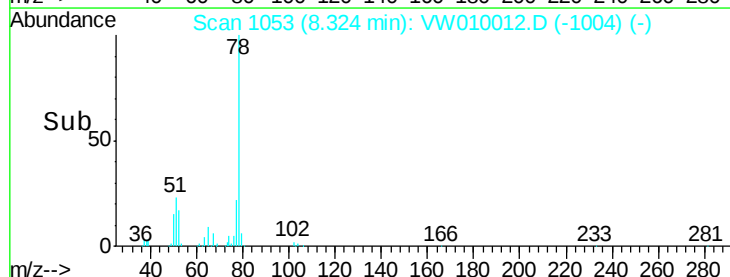
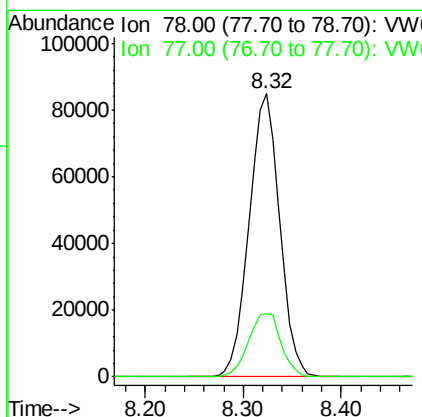
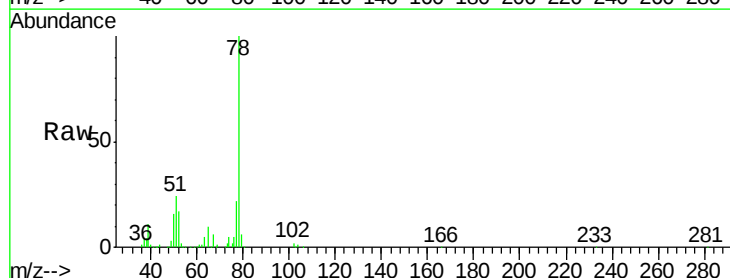
Manual Integrations
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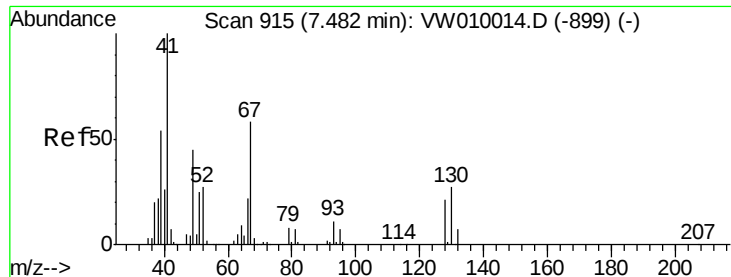
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#40
Benzene
Concen: 10.816 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.1	28.7





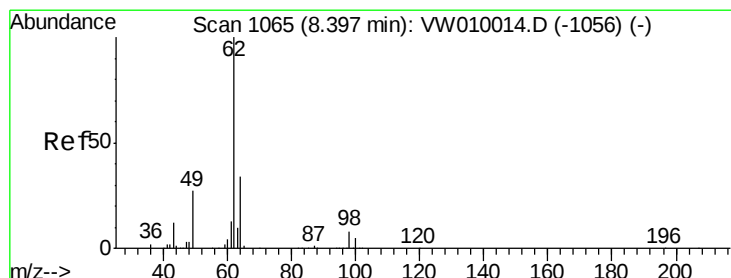
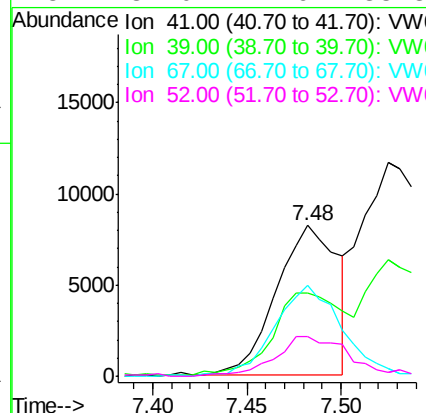
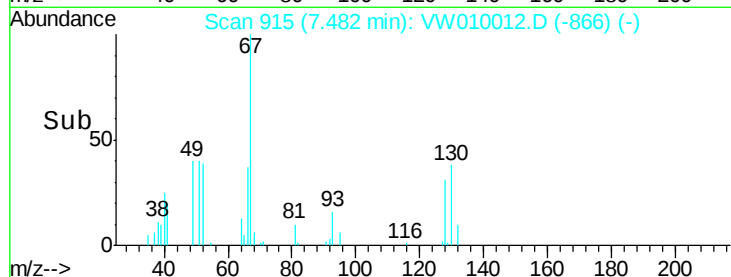
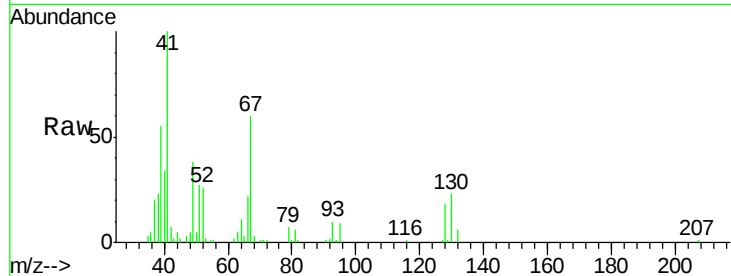
#41
Methacrylonitrile
Concen: 10.172 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	41	Resp	18431
Ion Ratio	Lower	Upper	
41	100		
39	65.5	45.0	67.4
67	67.3	50.7	76.1
52	32.0	22.6	33.8

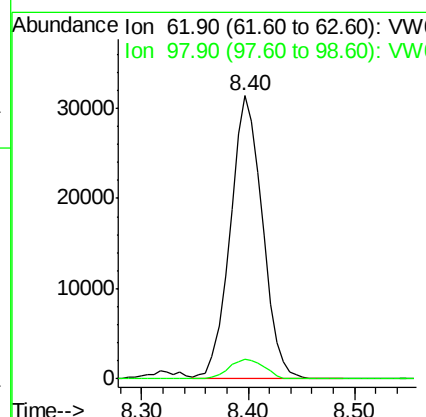
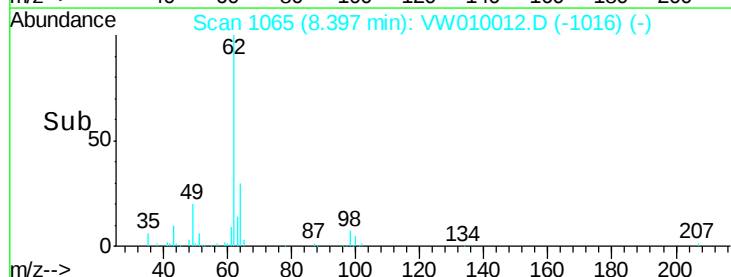
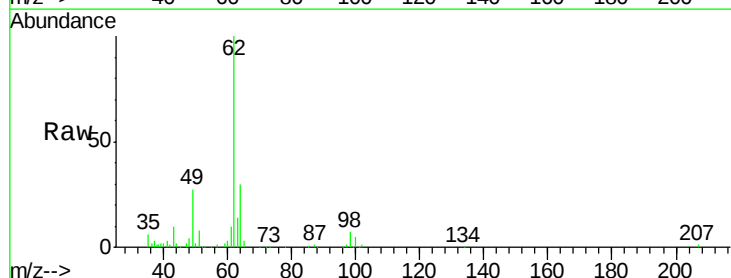
Manual Integrations
APPROVED

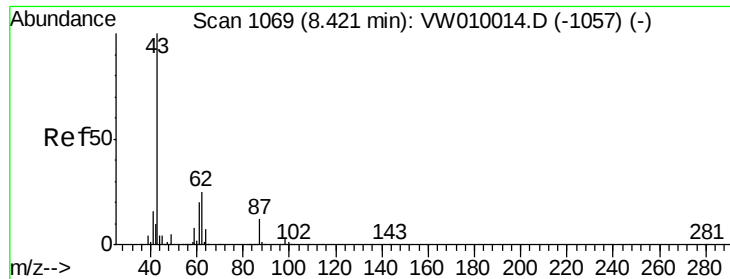
MMDadoda
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#42
1,2-Dichloroethane
Concen: 11.283 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	62	Resp	66332
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	16.6





#43

Isopropyl Acetate

Concen: 10.822 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

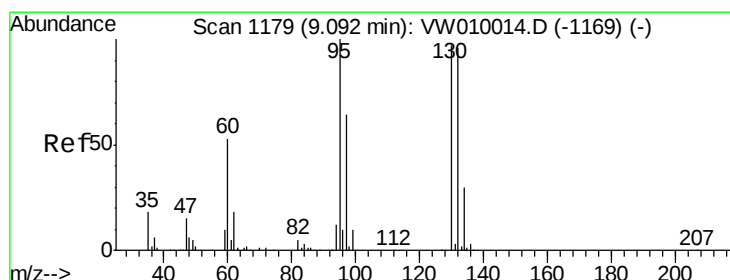
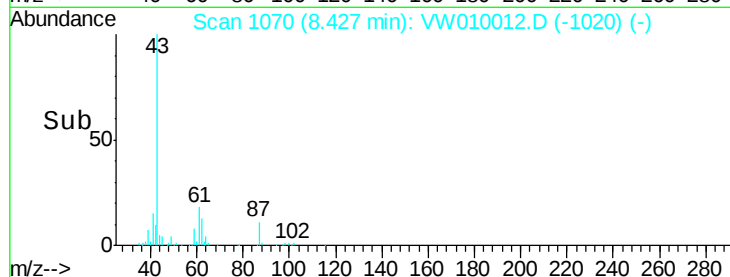
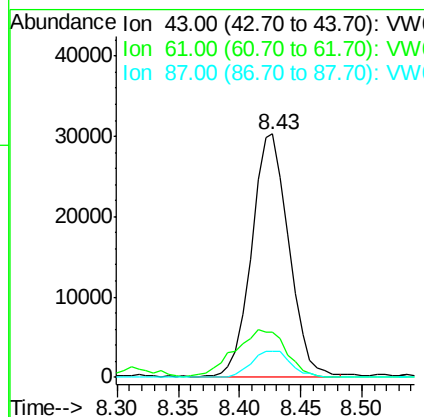
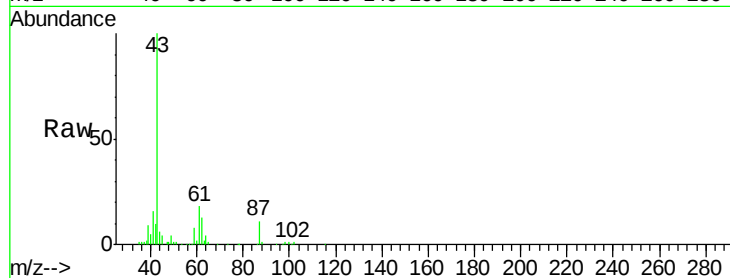
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	64474
Ion	Ratio	Lower	Upper
43	100		
61	27.2	23.0	34.6
87	11.6	9.3	13.9

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#44

Trichloroethene

Concen: 10.700 ug/l

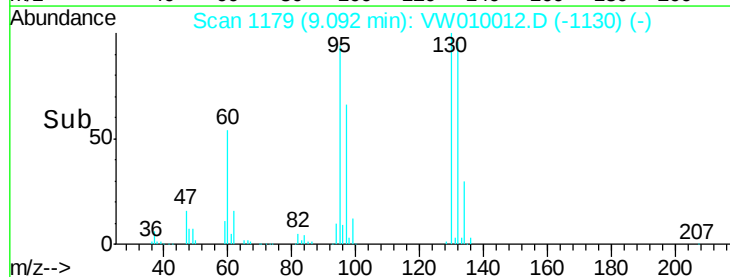
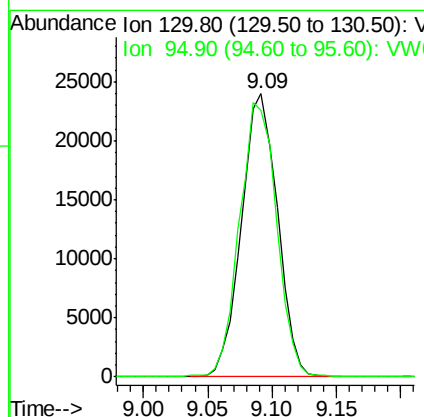
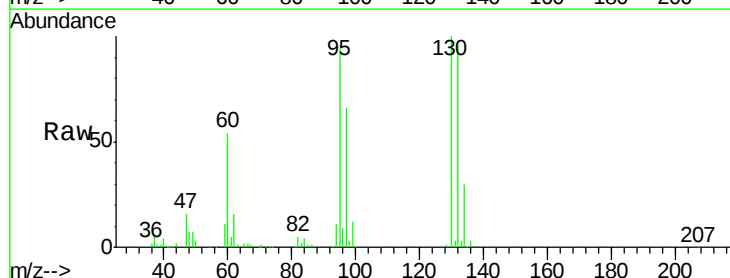
RT: 9.09 min Scan# 1179

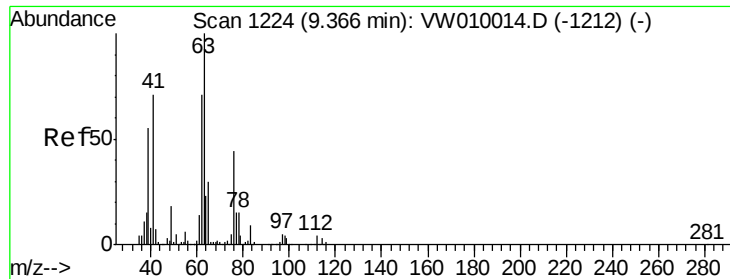
Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Tgt Ion:	130	Resp:	46489
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	205.4





#45

1,2-Dichloropropane

Concen: 11.064 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 49751

Ion Ratio Lower Upper

63 100

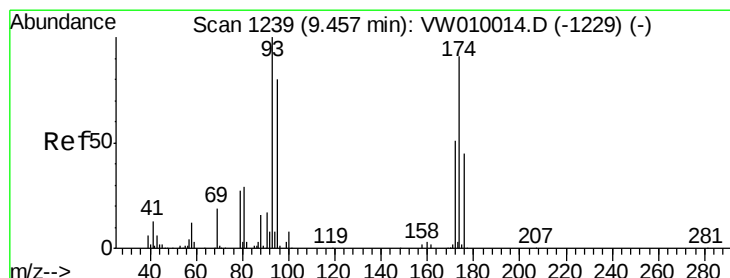
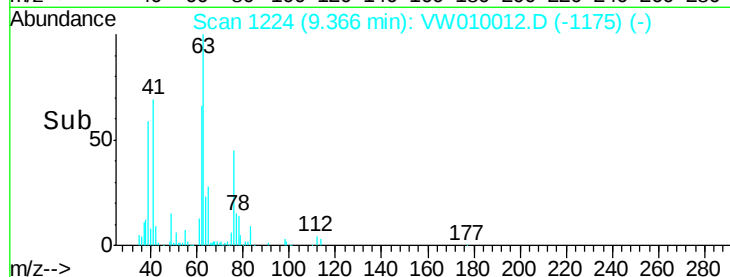
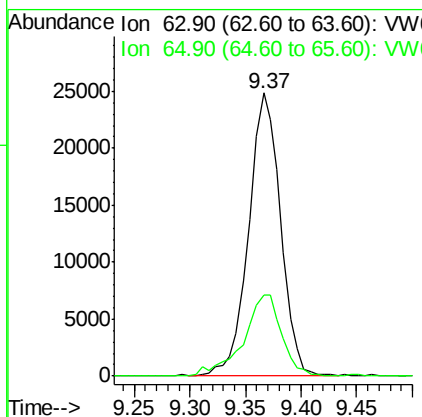
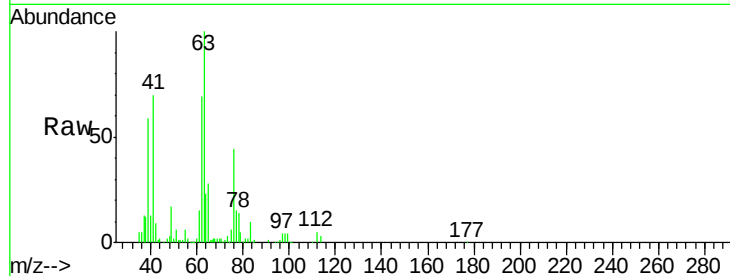
65 28.5 23.8 35.6

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#46

Dibromomethane

Concen: 10.856 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

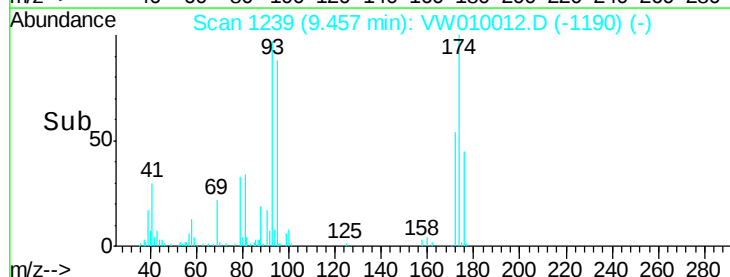
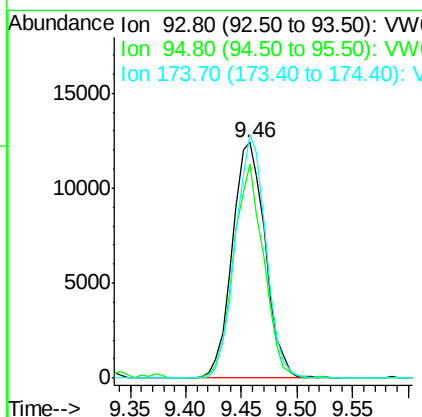
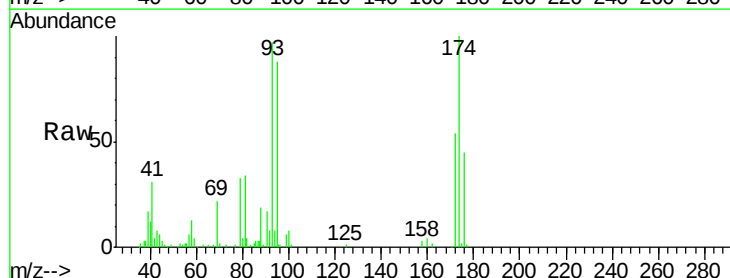
Tgt Ion: 93 Resp: 25300

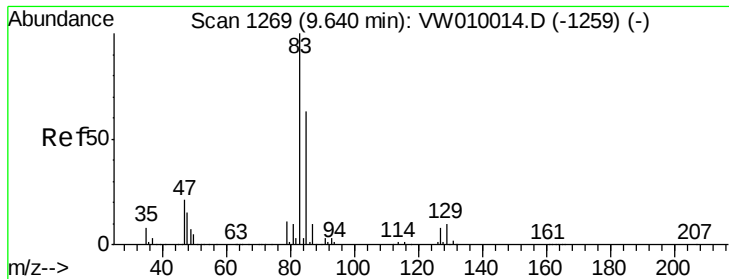
Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.8

174 95.9 75.5 113.3





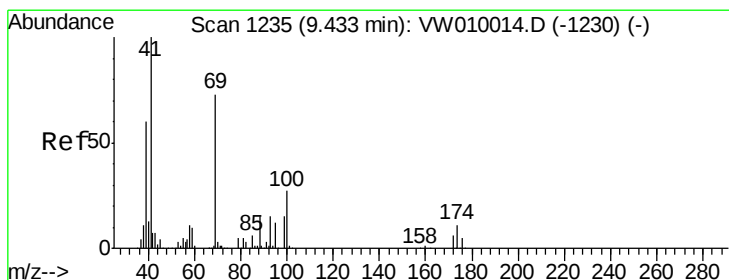
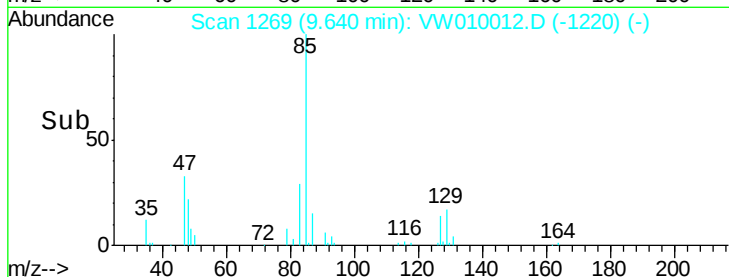
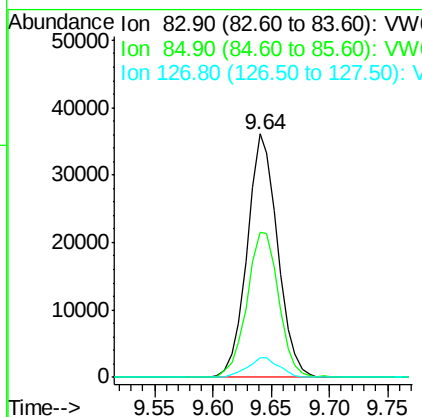
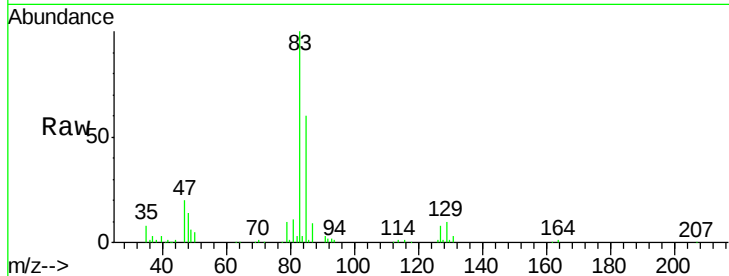
#47
Bromodichloromethane
Concen: 10.943 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	65834		
85	59.8		50.6	75.8
127	8.3		6.6	10.0

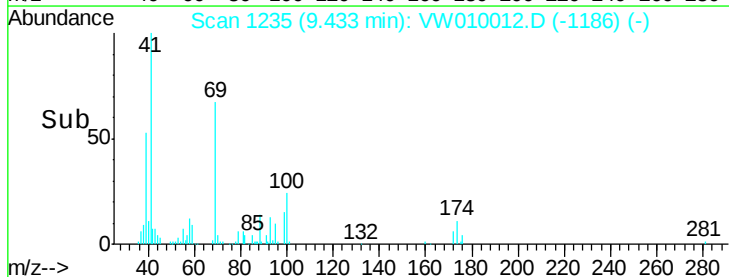
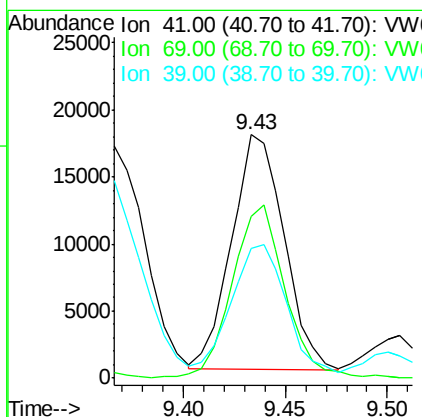
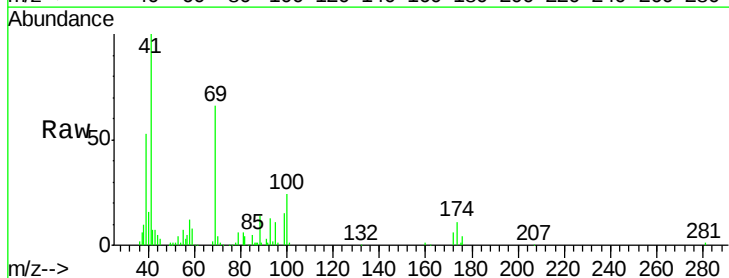
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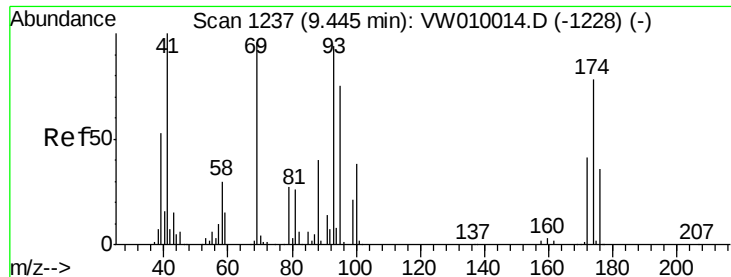
MMDadoda
4/18/2019 11:40:02 AM



#48
Methyl methacrylate
Concen: 10.786 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	31278		
69	74.5		60.1	90.1
39	56.7		51.0	76.6





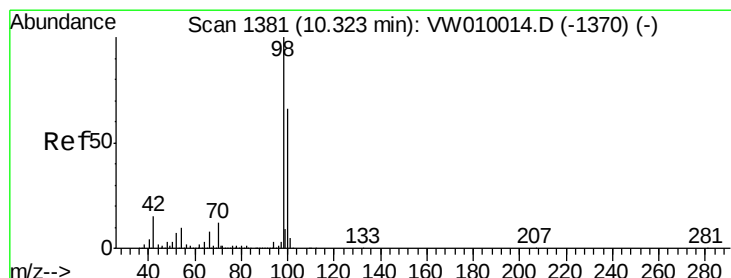
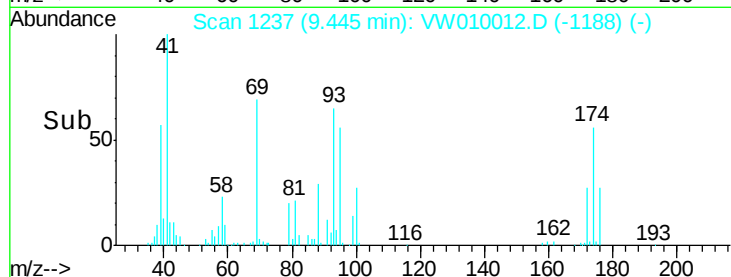
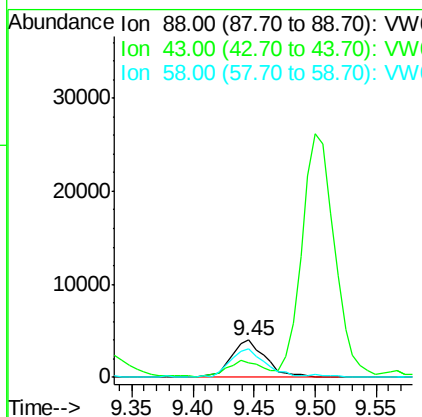
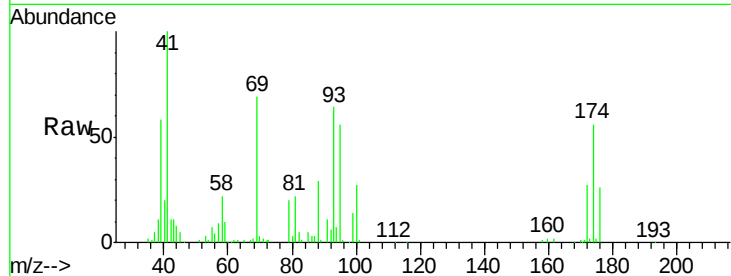
#49
1,4-Dioxane
Concen: 220.833 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.8	31.9	47.9
58	78.4	61.8	92.6

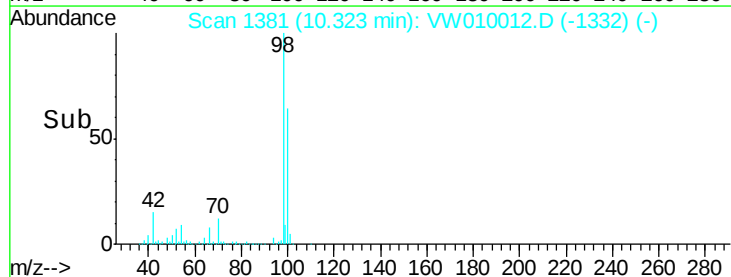
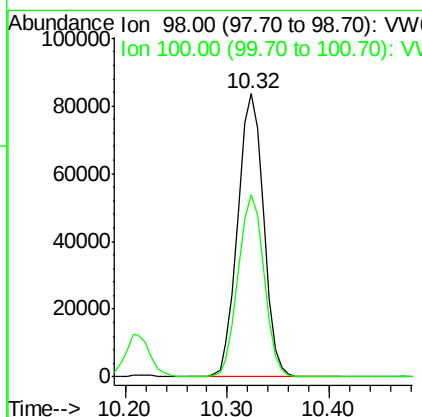
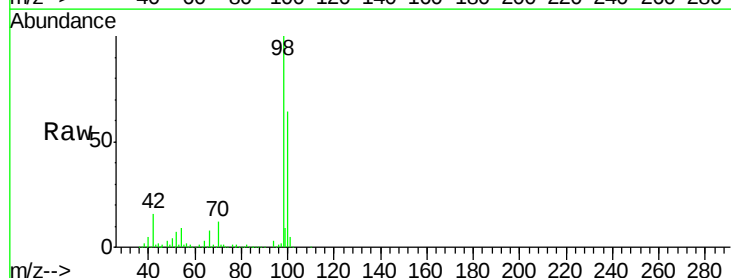
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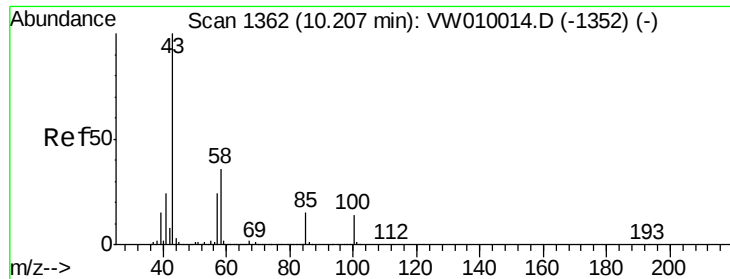
MMDadoda
4/18/2019 11:40:02 AM



#50
Toluene-d8
Concen: 10.051 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 54.082 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 168751

Ion Ratio Lower Upper

43 100

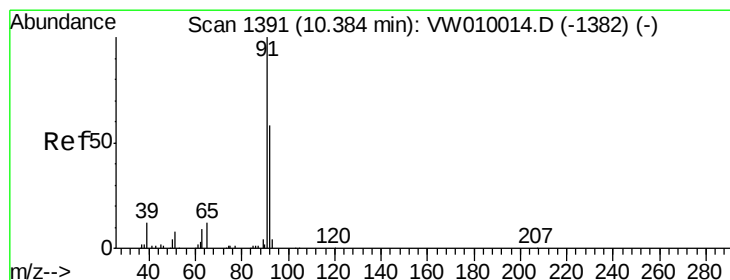
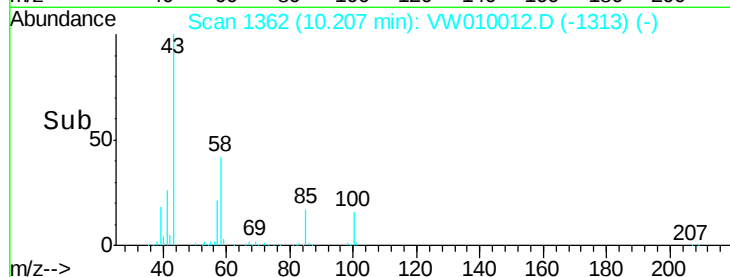
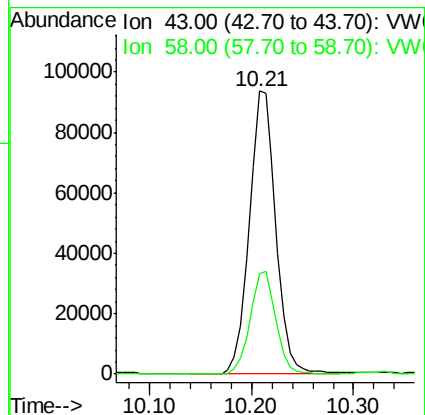
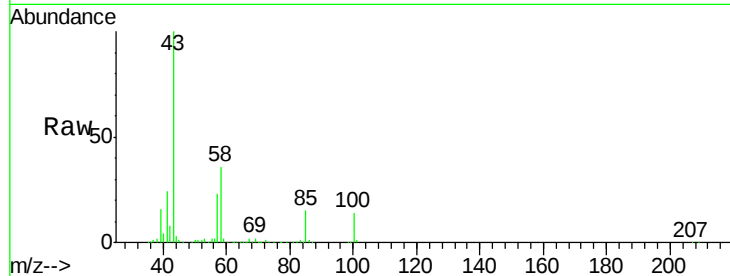
58 35.8 28.9 43.3

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#52

Toluene

Concen: 10.847 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010012.D

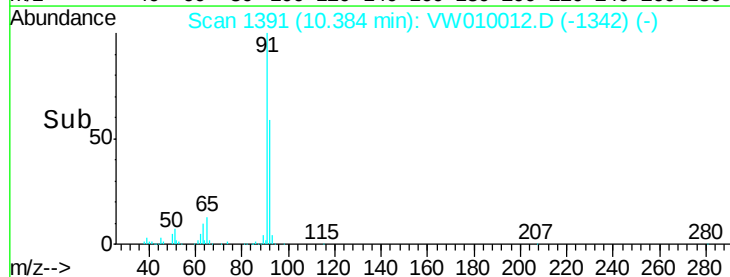
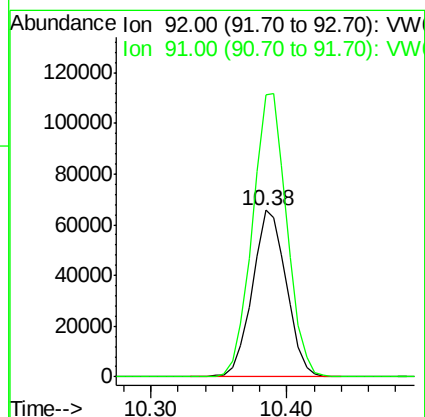
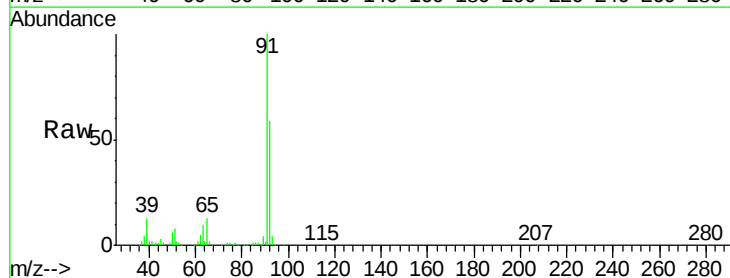
Acq: 17 Apr 2019 11:22

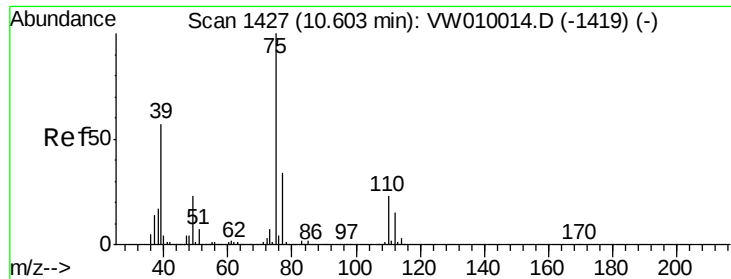
Tgt Ion: 92 Resp: 115588

Ion Ratio Lower Upper

92 100

91 171.6 138.5 207.7





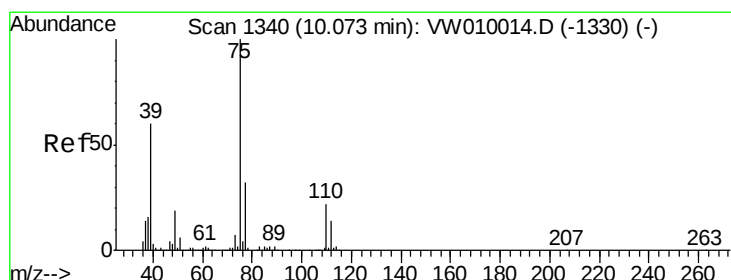
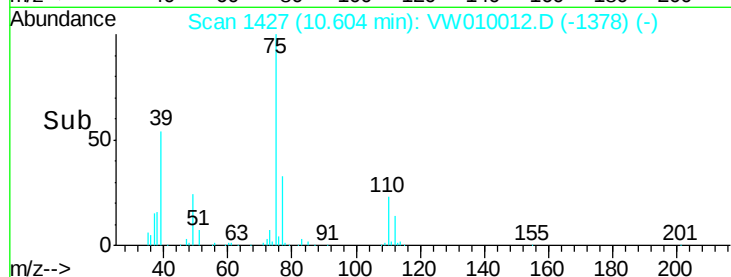
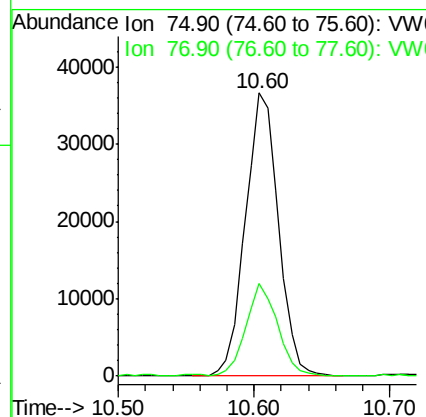
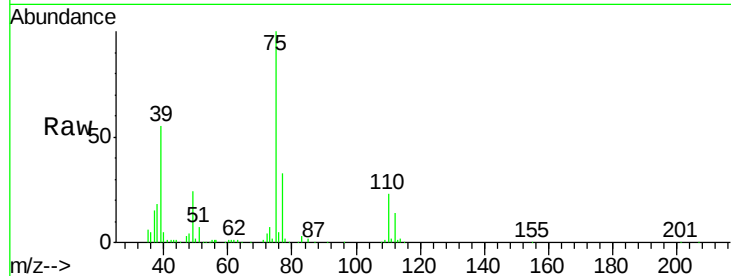
#53
 t-1,3-Dichloropropene
 Concen: 10.440 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 62269
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.9 40.3

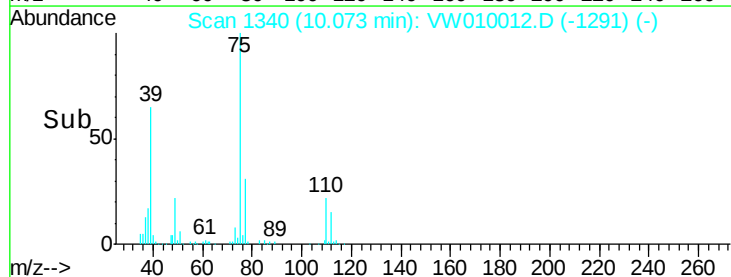
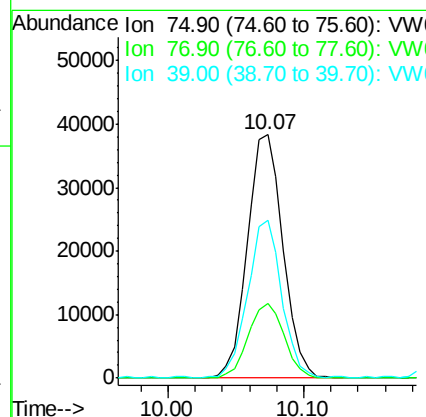
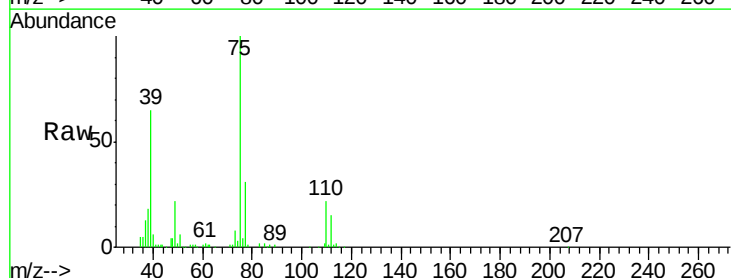
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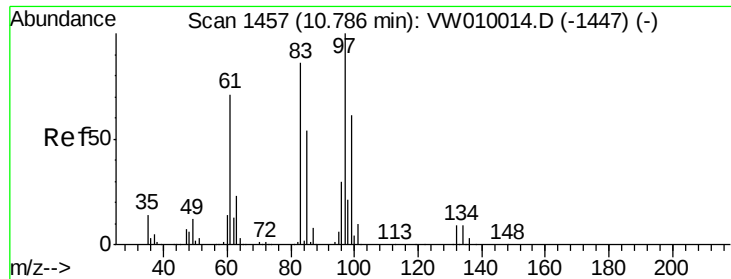
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#54
 cis-1,3-Dichloropropene
 Concen: 10.315 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Tgt Ion: 75 Resp: 70251
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.6 38.4
 39 64.7 47.8 71.6





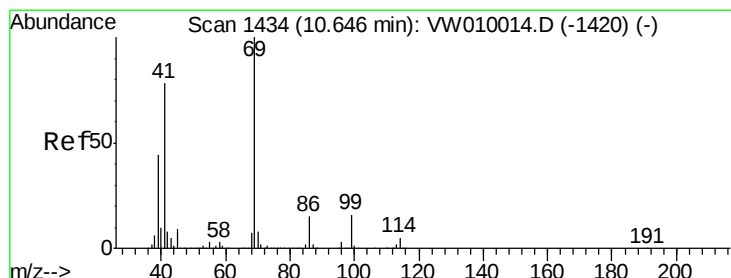
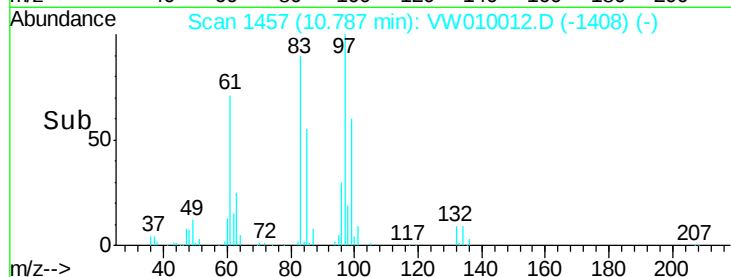
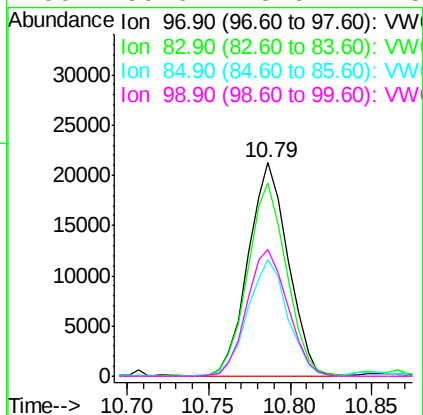
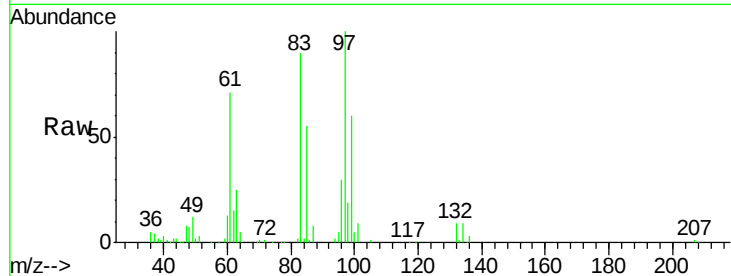
#55
 1,1,2-Trichloroethane
 Concen: 11.104 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	36120
Ion	Ratio	Lower	Upper
97	100		
83	90.4	68.9	103.3
85	54.5	42.9	64.3
99	59.6	48.6	72.8

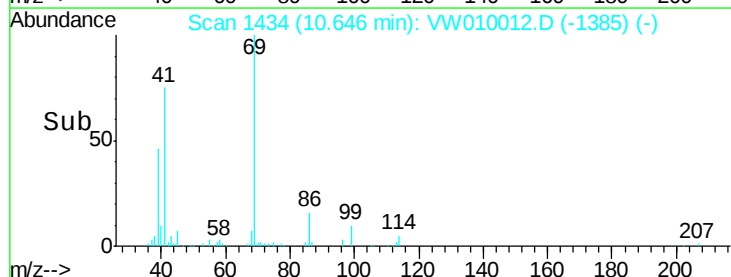
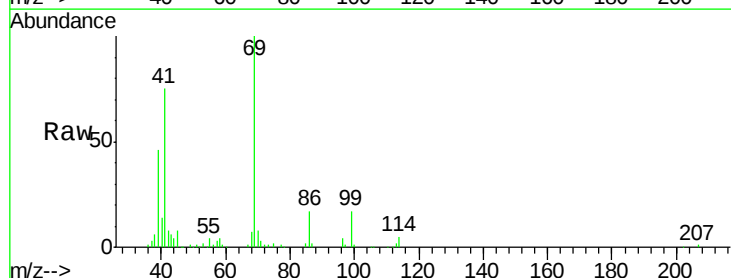
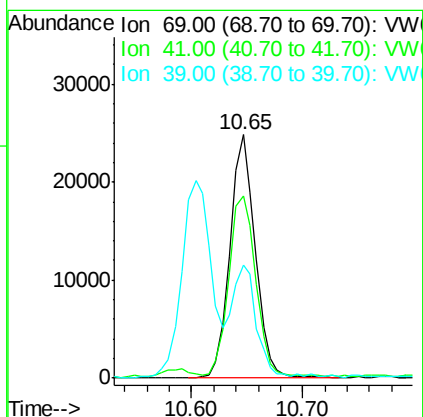
Manual Integrations
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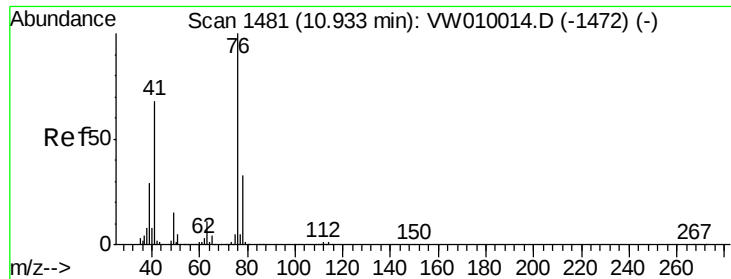
MMDadoda
 4/18/2019 11:40:02 AM



#56
 Ethyl methacrylate
 Concen: 9.649 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Tgt Ion:	69	Resp:	39017
Ion	Ratio	Lower	Upper
69	100		
41	80.1	61.0	91.6
39	43.7	33.8	50.6





#57

1,3-Dichloropropane

Concen: 10.881 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 63438

Ion Ratio Lower Upper

76 100

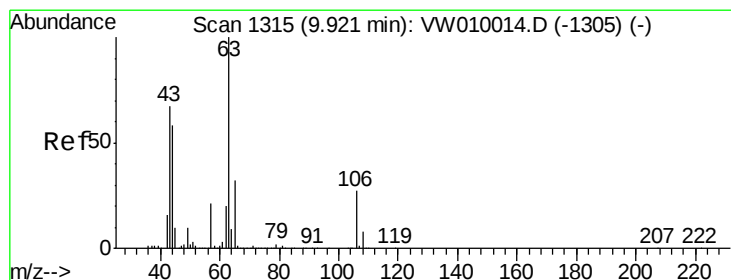
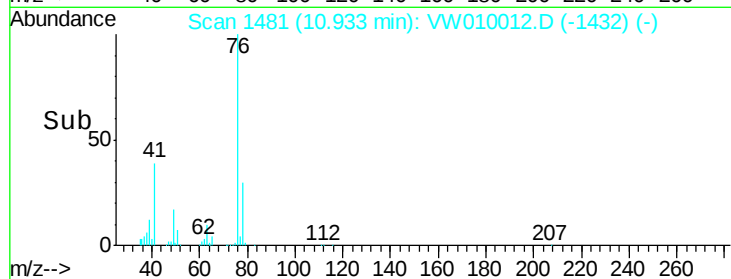
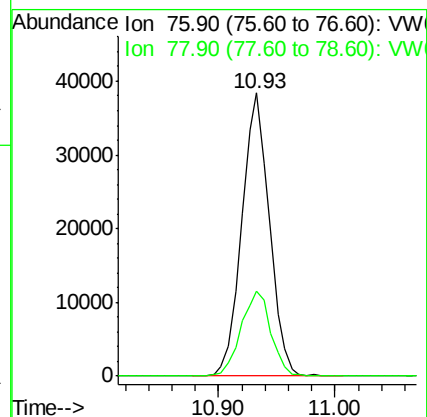
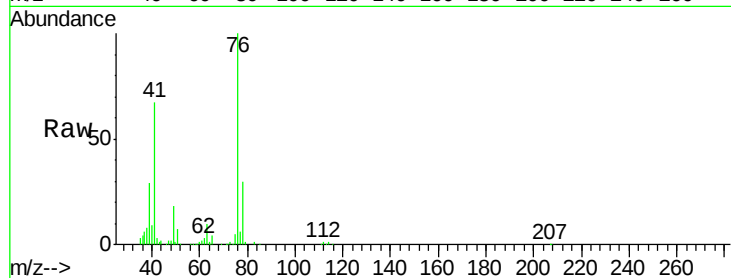
78 32.3 25.8 38.8

Manual Integrations

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4/18/2019 11:40:02 AM



#58

2-Chloroethyl Vinyl ether

Concen: 45.764 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010012.D

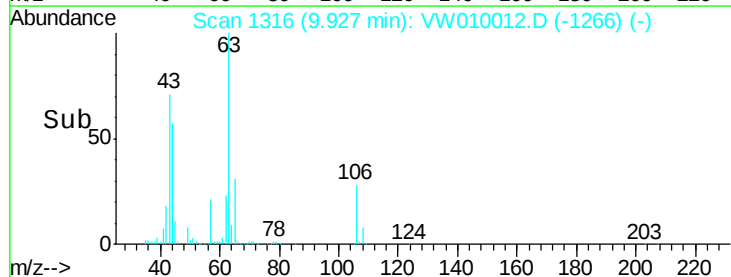
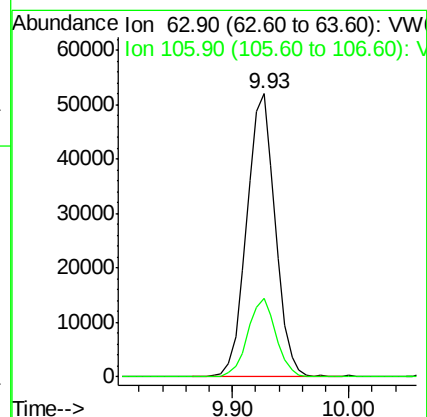
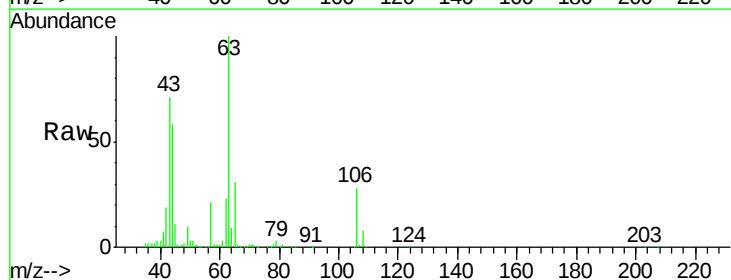
Acq: 17 Apr 2019 11:22

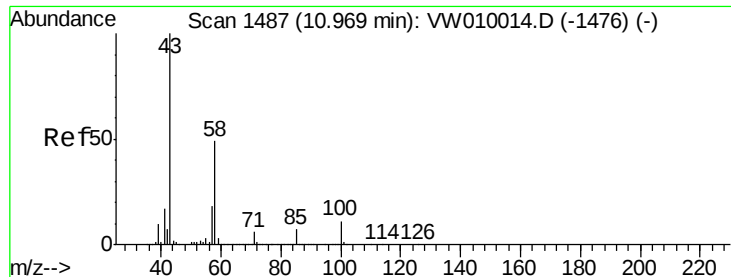
Tgt Ion: 63 Resp: 88951

Ion Ratio Lower Upper

63 100

106 27.3 21.4 32.0





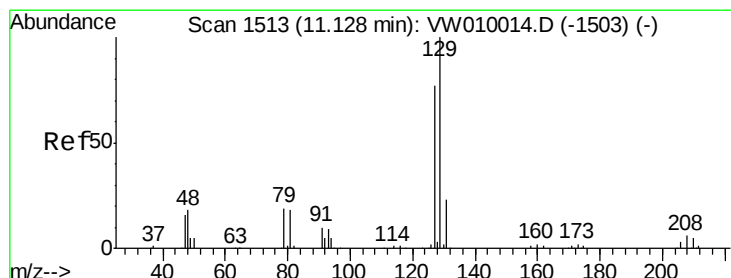
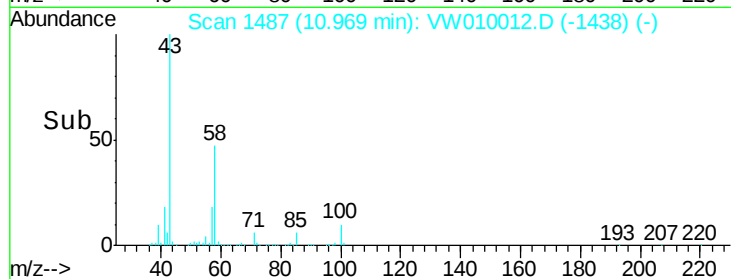
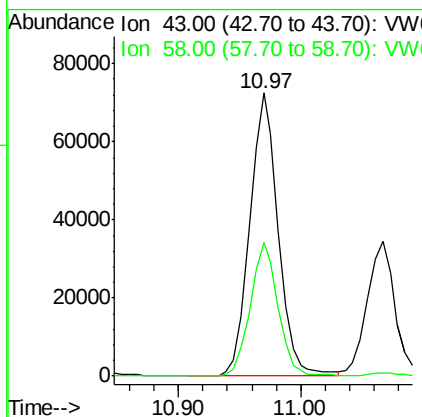
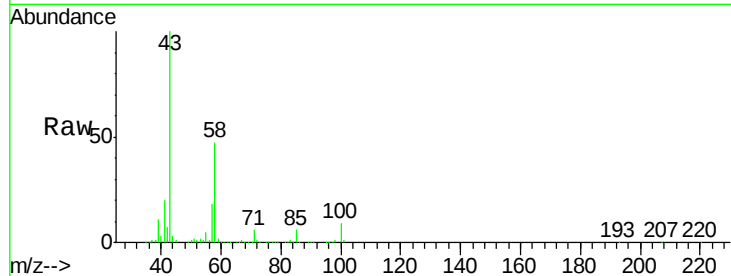
#59
2-Hexanone
Concen: 54.257 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 117849
Ion Ratio Lower Upper
43 100
58 45.9 24.9 74.7

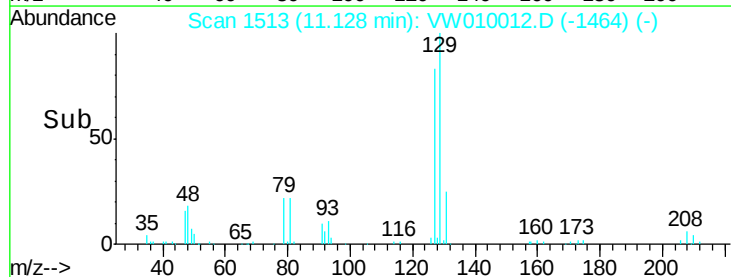
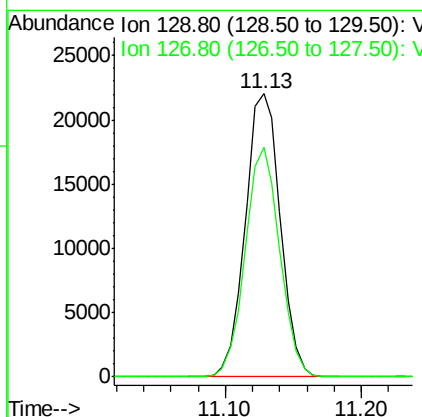
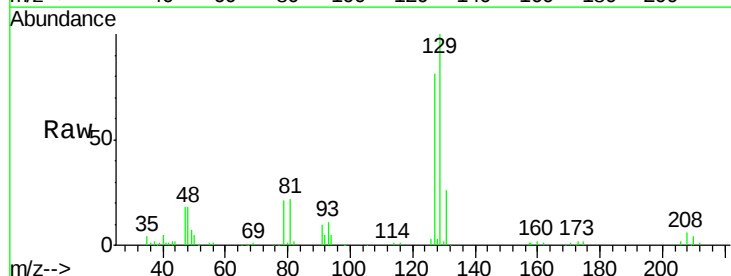
Manual Integrations
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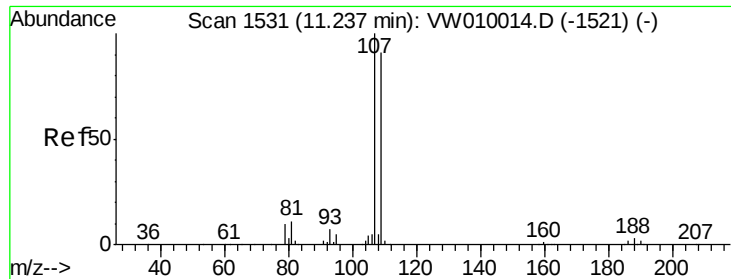
MMDadoda
4/18/2019 11:40:02 AM



#60
Dibromochloromethane
Concen: 10.575 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion: 129 Resp: 39758
Ion Ratio Lower Upper
129 100
127 79.9 38.6 116.0





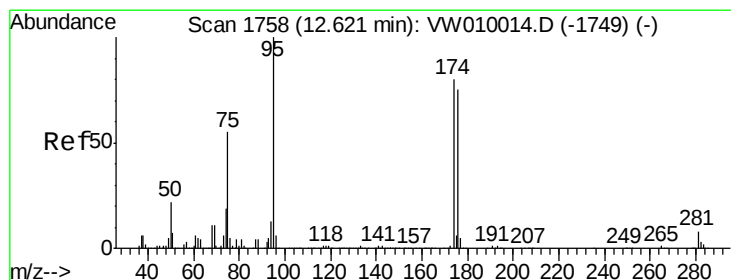
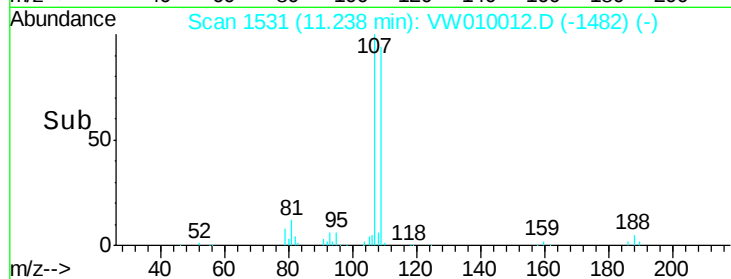
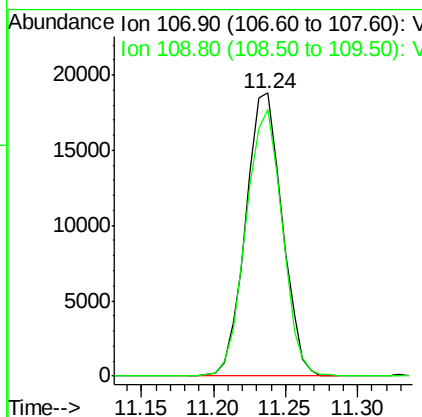
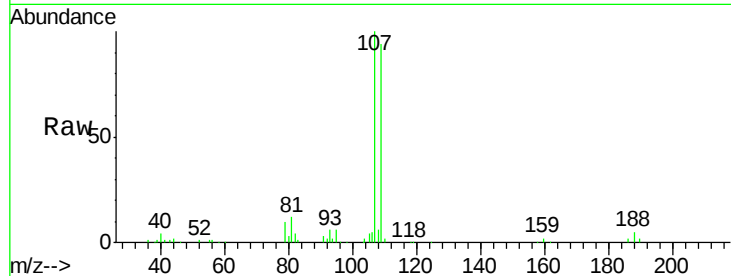
#61
 1,2-Dibromoethane
 Concen: 10.653 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 32965
 Ion Ratio Lower Upper
 107 100
 109 93.8 73.6 110.4

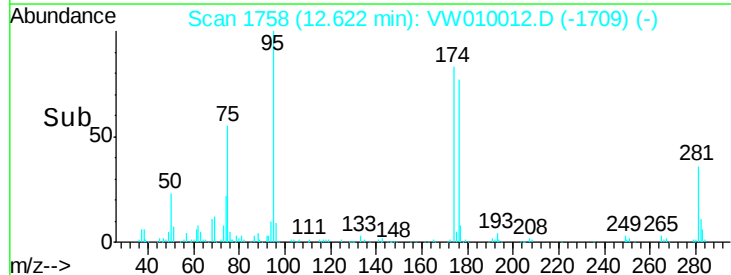
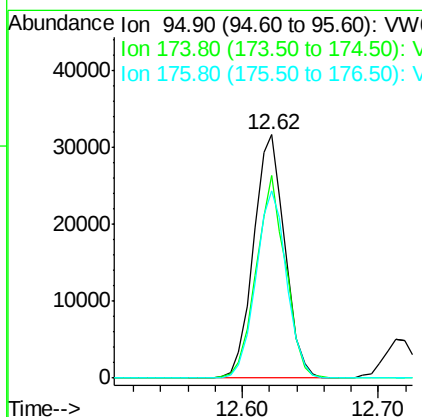
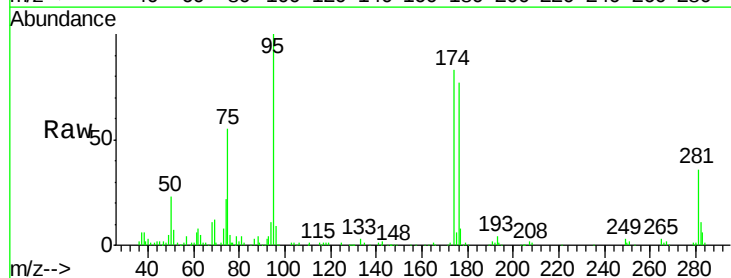
Manual Integrations
 APPROVED

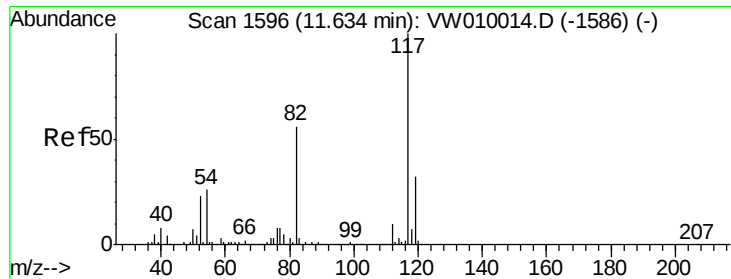
MMDadoda
 4/18/2019 11:40:02 AM



#62
 4-Bromofluorobenzene
 Concen: 9.622 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Tgt Ion: 95 Resp: 51034
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 151.4
 176 75.4 0.0 146.2





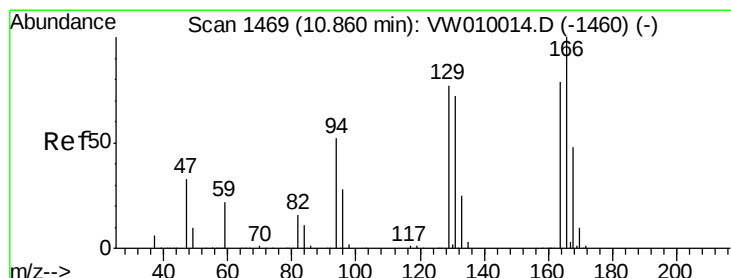
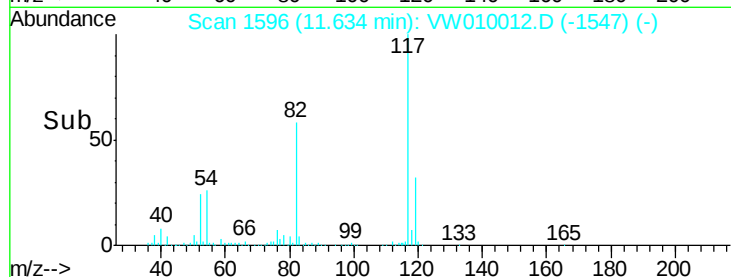
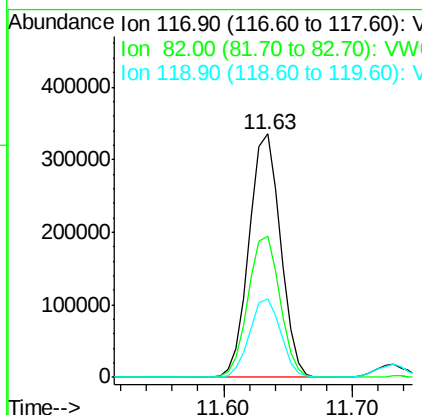
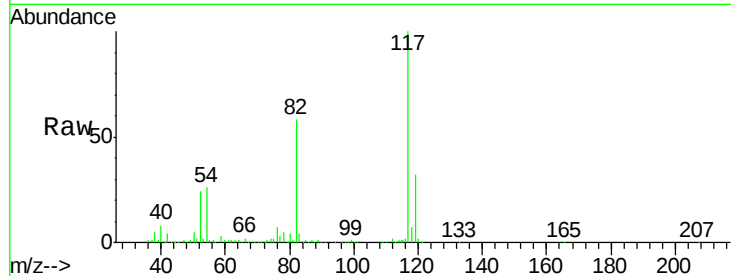
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.2	67.8
119	32.3	25.4	38.2

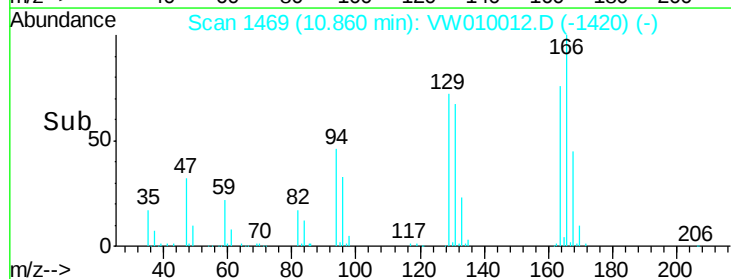
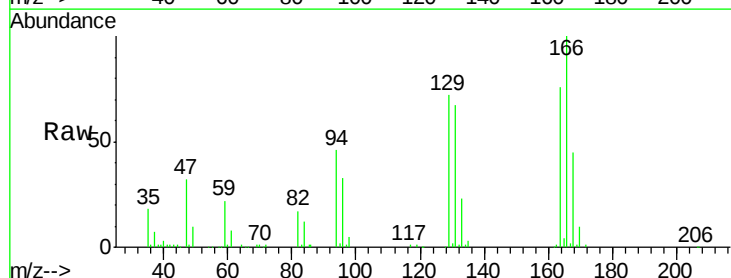
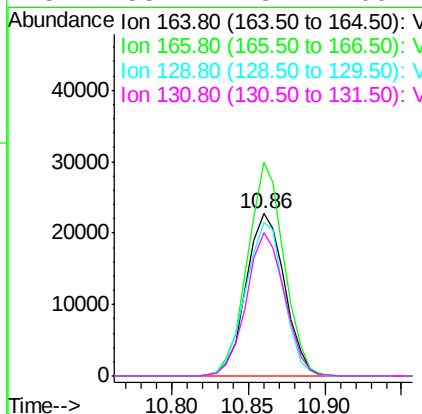
Manual Integrations
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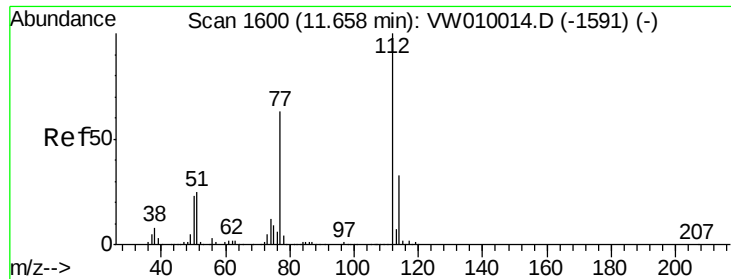
MMDadoda
4/18/2019 11:40:02 AM



#64
Tetrachloroethene
Concen: 10.889 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	101.2	151.8
129	94.6	77.8	116.6
131	88.7	73.1	109.7





#65

Chlorobenzene

Concen: 11.158 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 128719

Ion Ratio Lower Upper

112 100

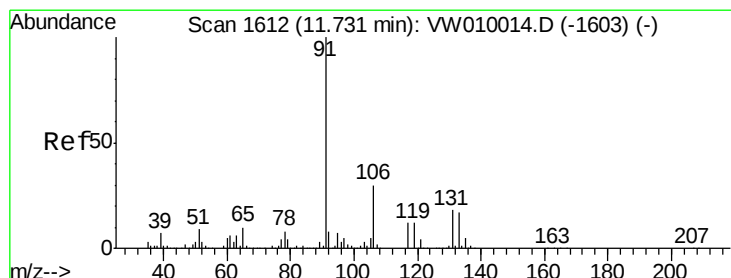
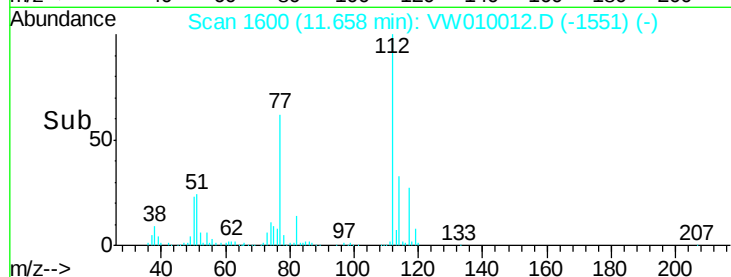
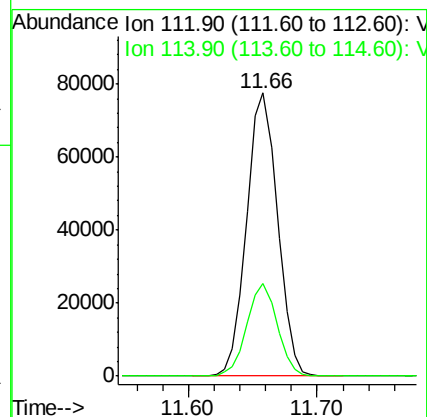
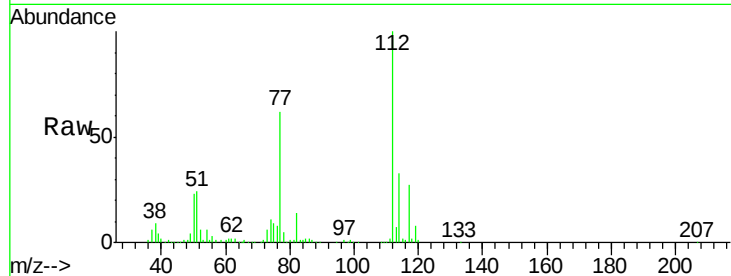
114 32.5 26.5 39.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 10.836 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

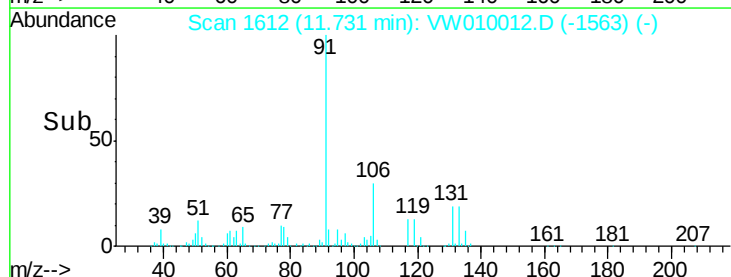
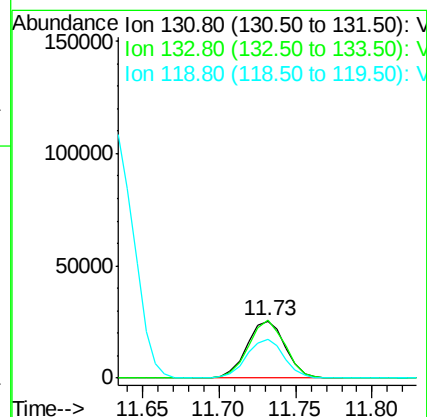
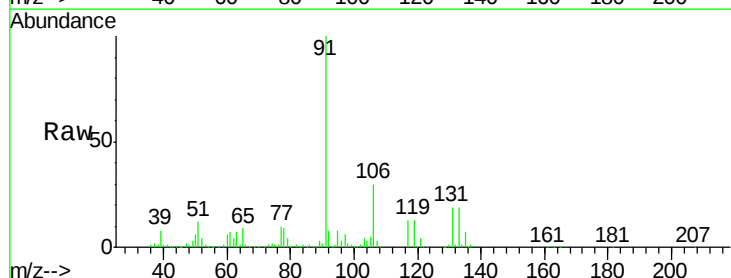
Tgt Ion:131 Resp: 44699

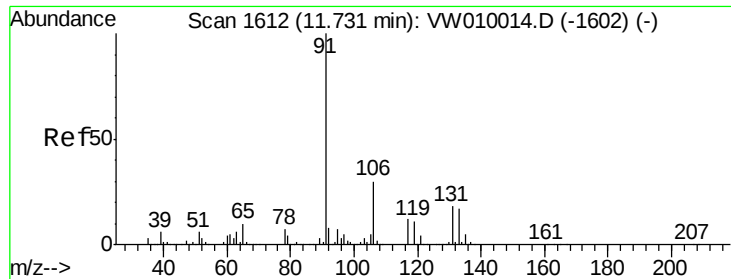
Ion Ratio Lower Upper

131 100

133 96.4 46.5 139.5

119 66.3 31.9 95.5





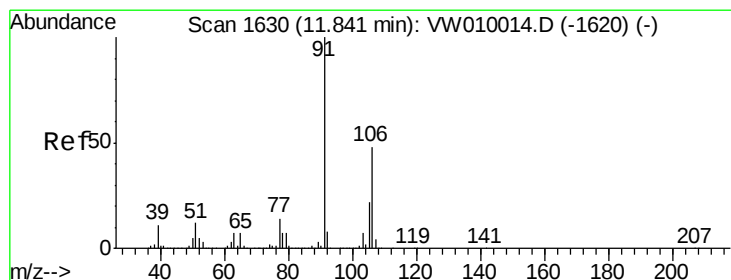
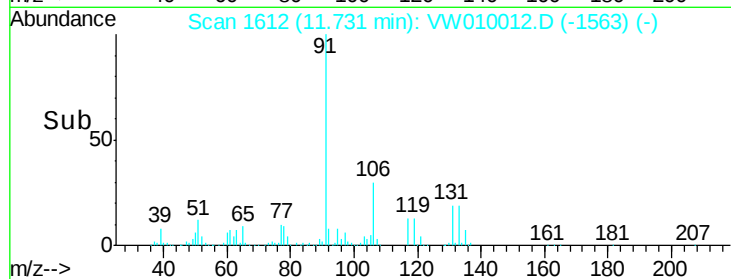
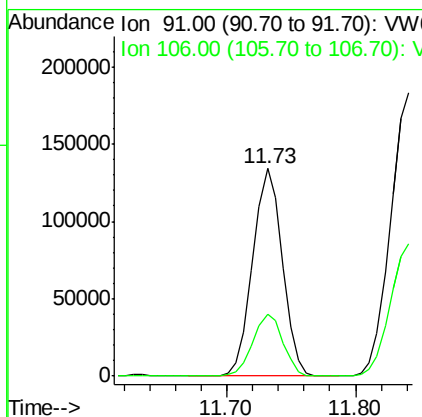
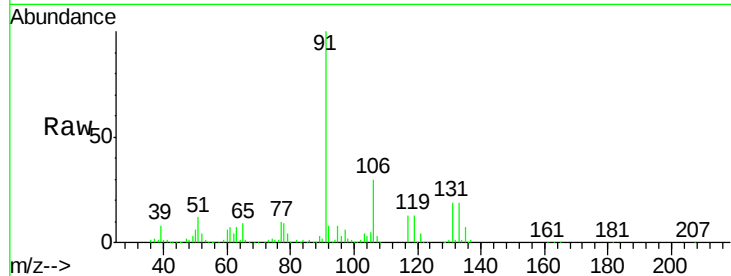
#67
Ethyl Benzene
Concen: 10.348 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 212979
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

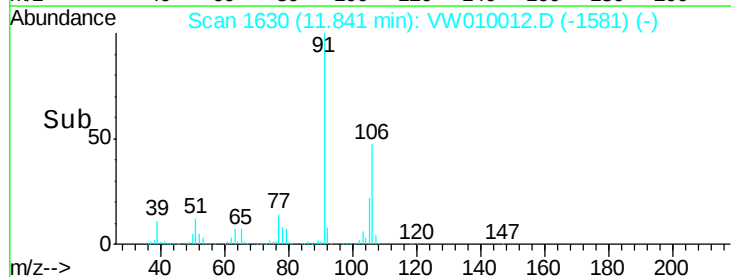
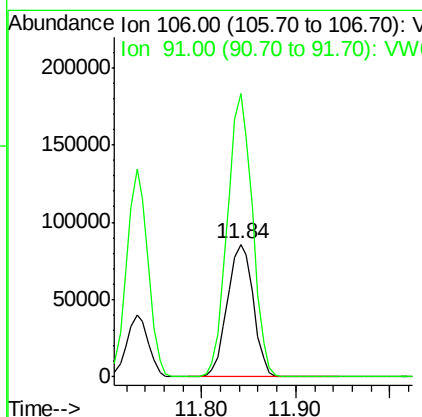
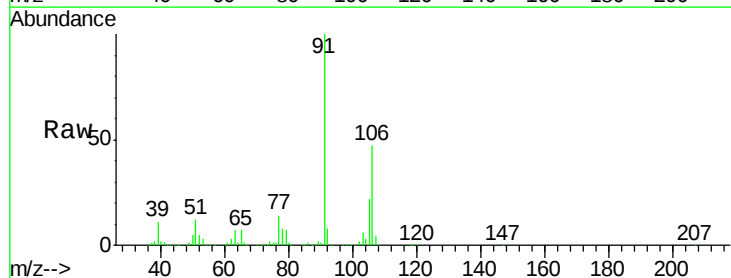
Manual Integrations
APPROVED

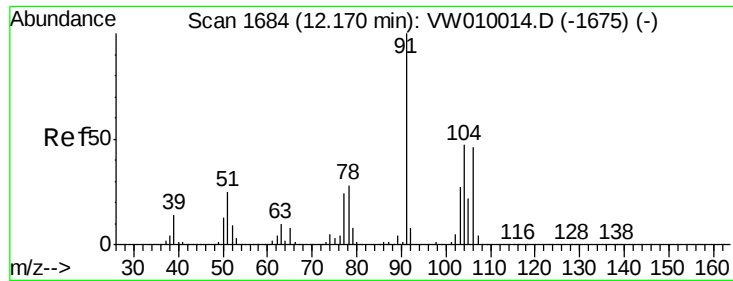
MMDadoda
4/18/2019 11:40:02 AM



#68
m/p-Xylenes
Concen: 21.274 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion: 106 Resp: 163668
Ion Ratio Lower Upper
106 100
91 206.0 165.0 247.6





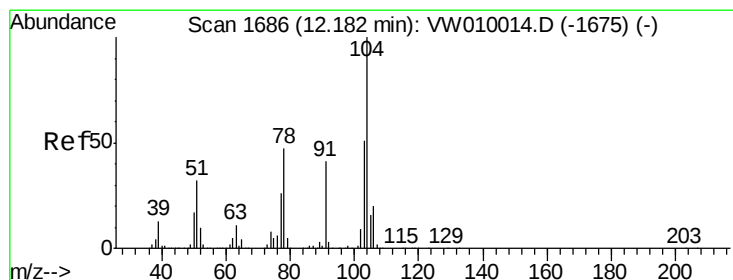
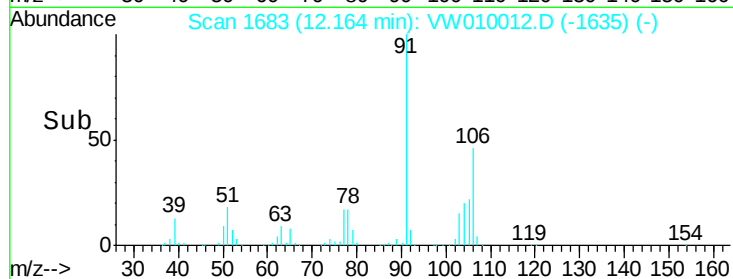
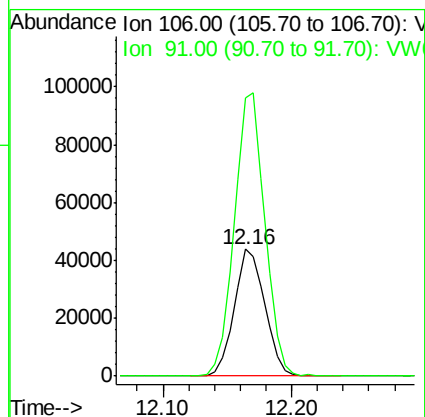
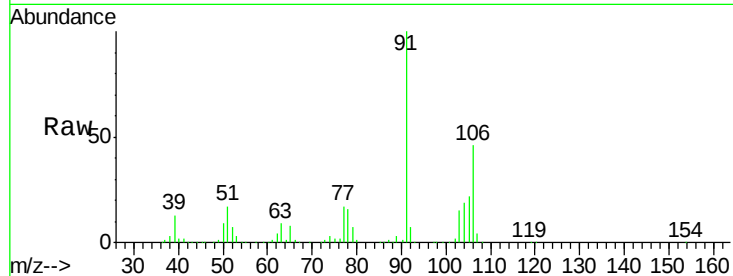
#69
o-Xylene
Concen: 10.298 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 72137
Ion Ratio Lower Upper
106 100
91 223.8 110.5 331.4

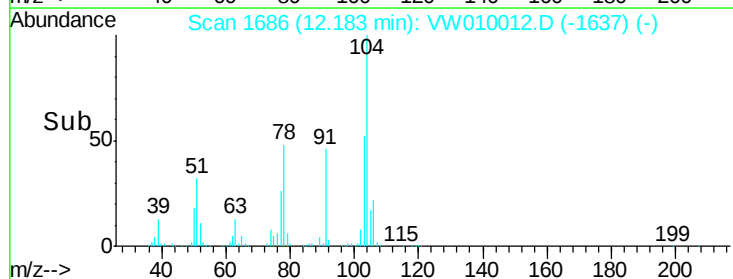
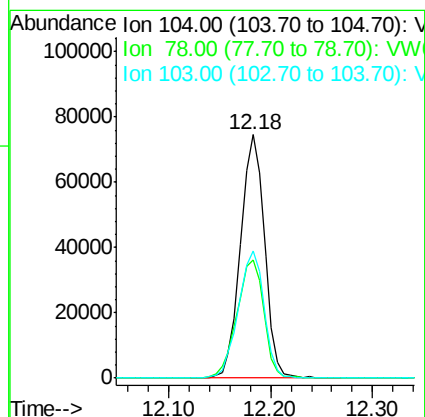
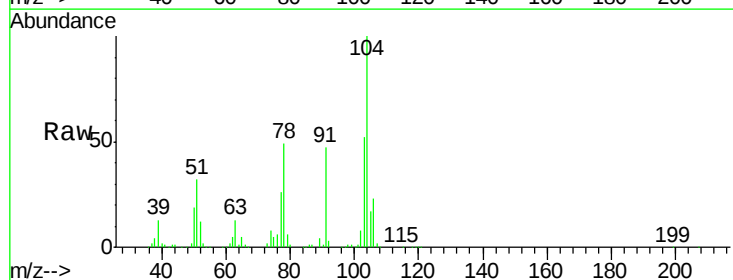
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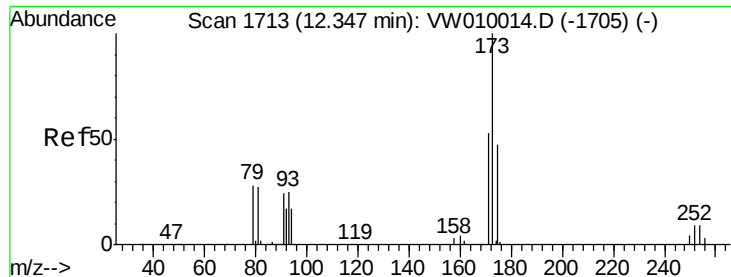
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#70
Styrene
Concen: 10.053 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion:104 Resp: 121419
Ion Ratio Lower Upper
104 100
78 53.8 42.5 63.7
103 56.0 43.6 65.4





#71

Bromoform

Concen: 10.551 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 23015

Ion Ratio Lower Upper

173 100

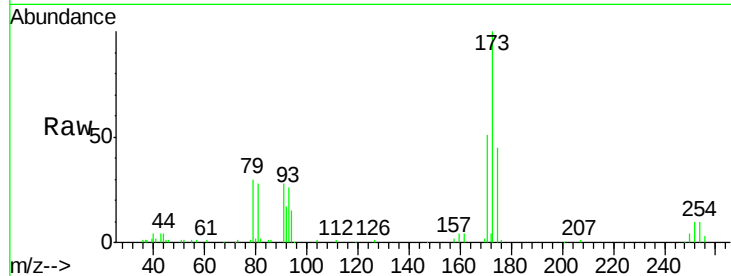
175 48.2 23.8 71.4

254 0.0 0.1 0.1#

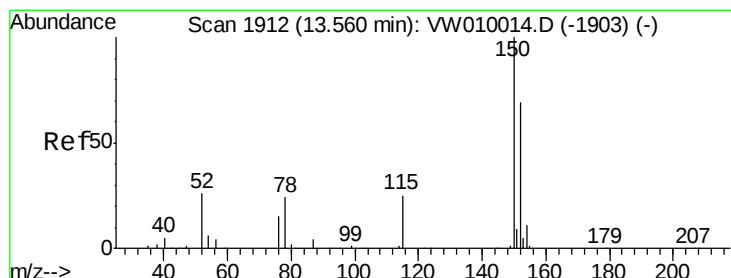
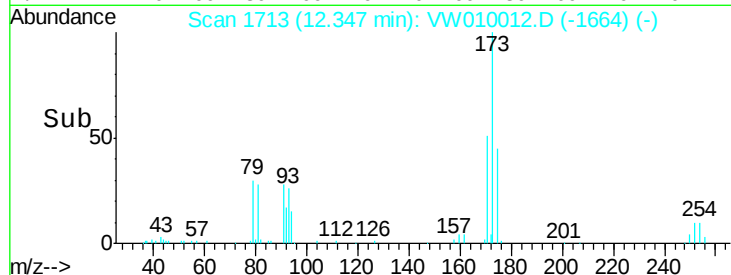
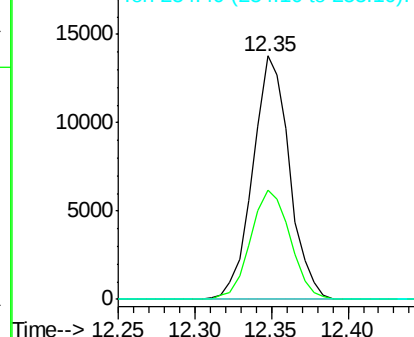
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

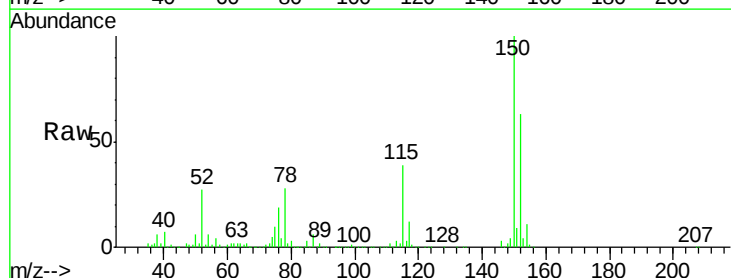
Tgt Ion:152 Resp: 288784

Ion Ratio Lower Upper

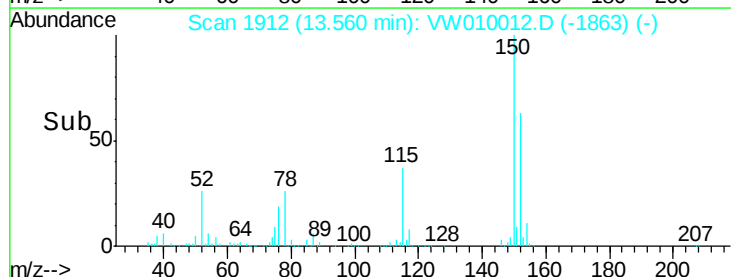
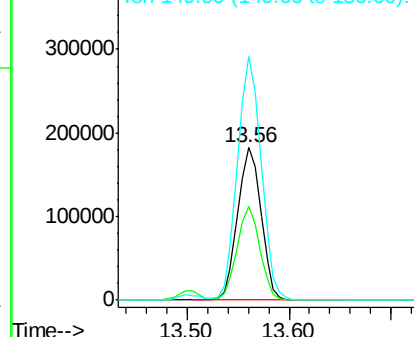
152 100

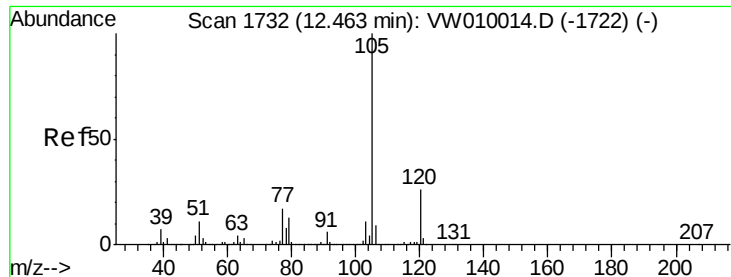
115 60.4 30.4 91.2

150 162.2 0.0 347.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





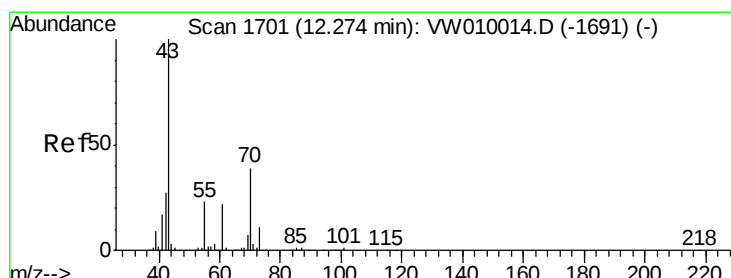
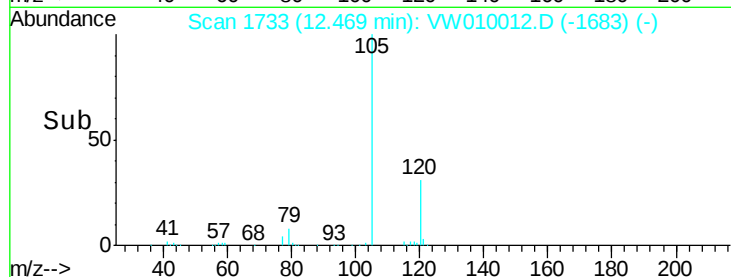
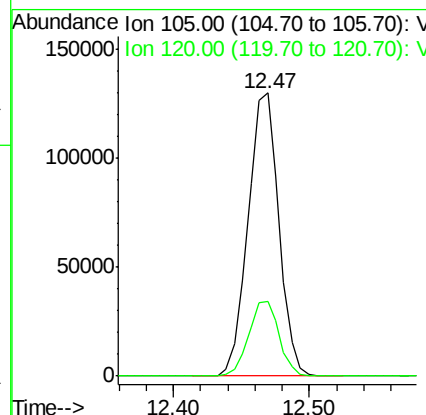
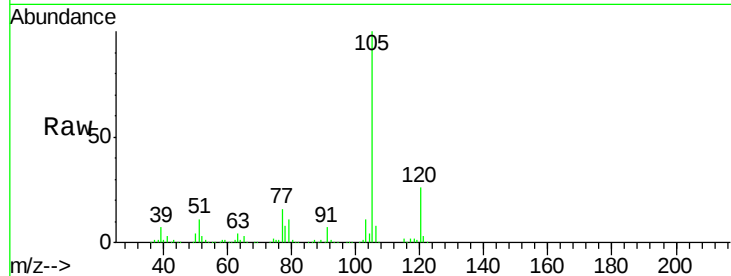
#73
Isopropylbenzene
Concen: 10.250 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	206017		
120	26.1	13.1	39.1	

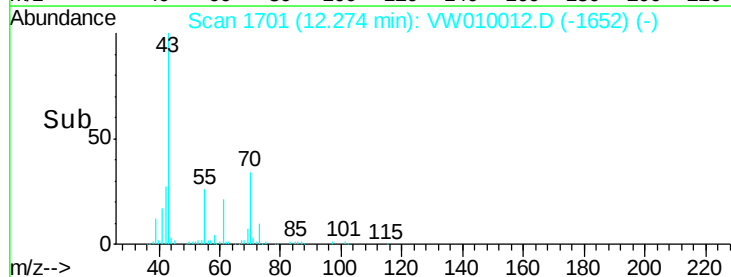
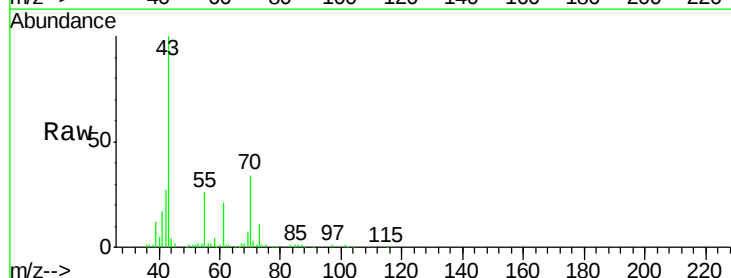
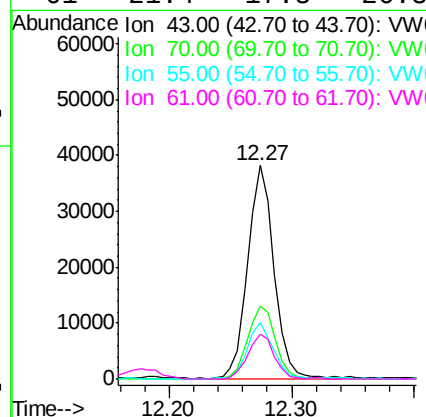
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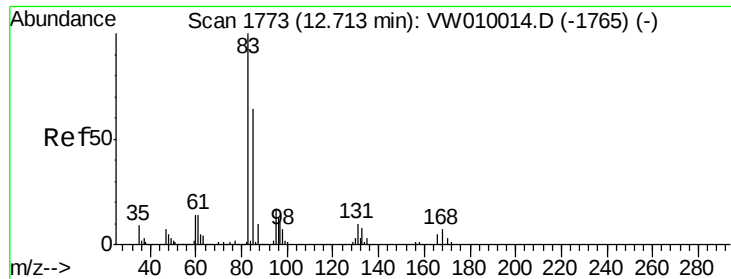
MMDadoda
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#74
N-ethyl acetate
Concen: 10.332 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	57505		
70	35.5	31.3	46.9	
55	26.0	20.0	30.0	
61	21.4	17.8	26.8	





#75

1,1,2,2-Tetrachloroethane

Concen: 10.813 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

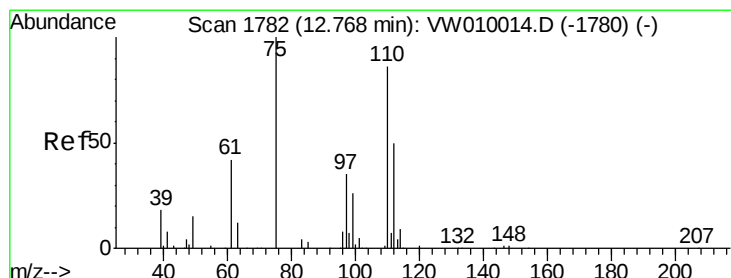
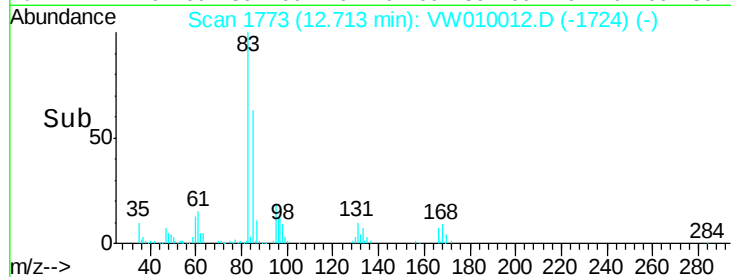
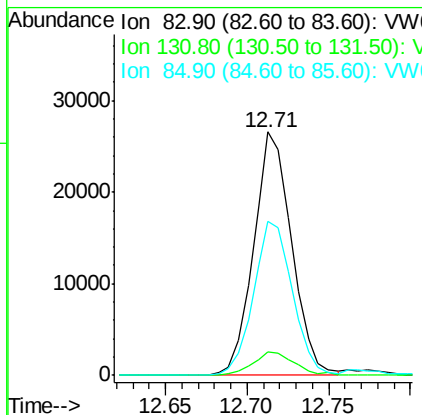
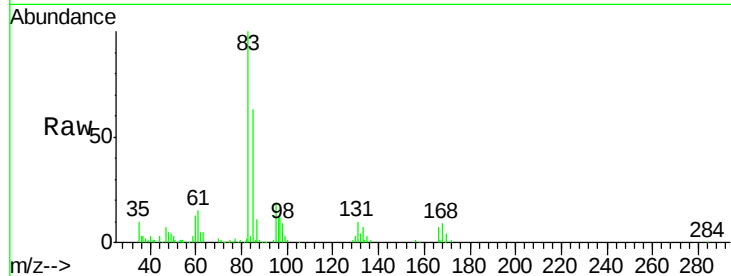
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	42938
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	64.5	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.514 ug/l m

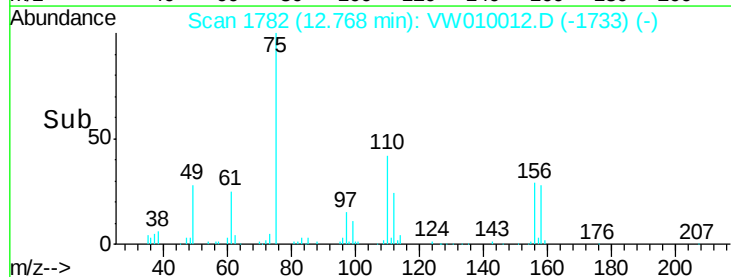
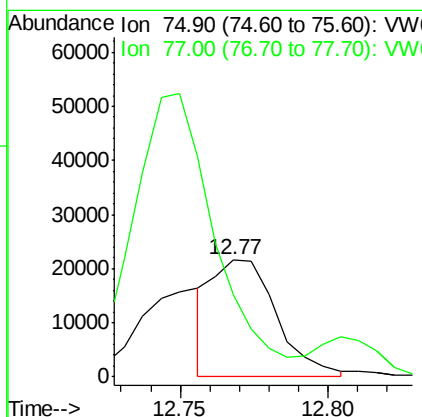
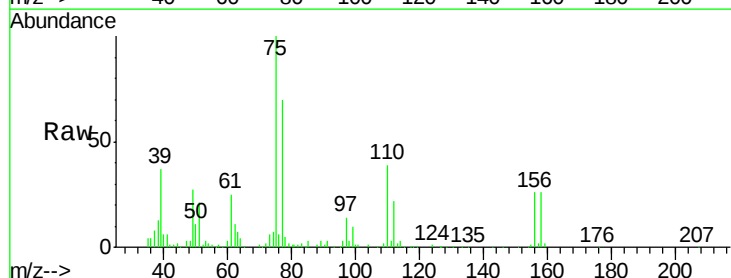
RT: 12.77 min Scan# 1782

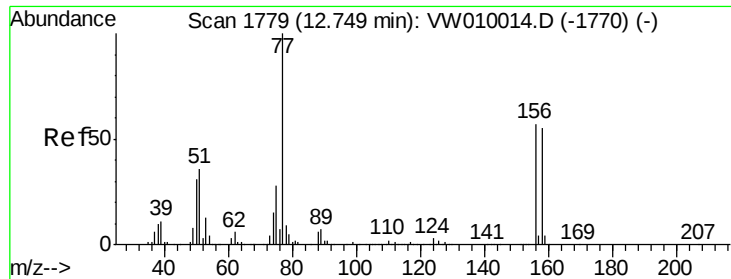
Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Tgt Ion:	75	Resp:	32937
Ion Ratio	Lower	Upper	
75	100		
77	303.9	0.0	0.0#





#77

Bromobenzene

Concen: 10.714 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

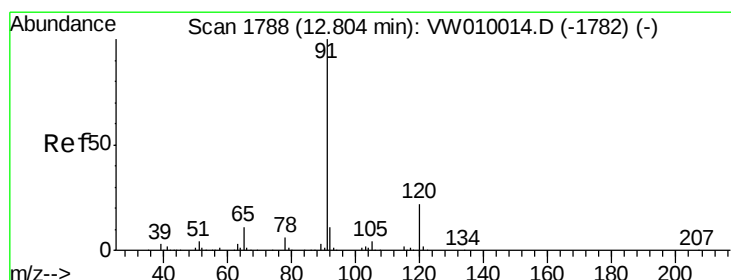
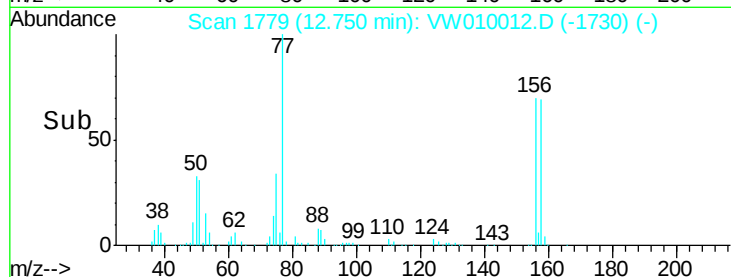
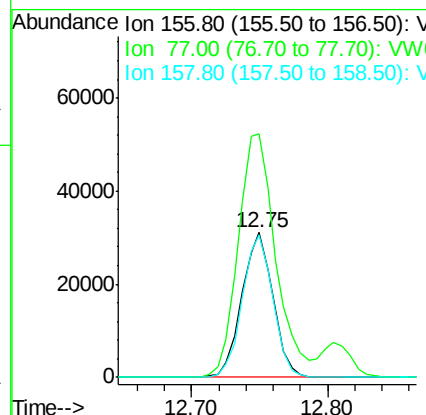
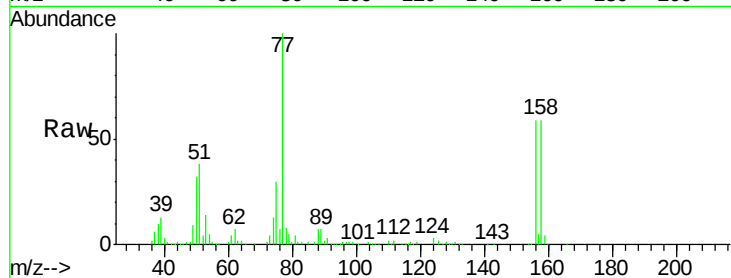
ClientSampled :

VSTDIC010

Tot Ion:	156	Resp:	49526
Ion	Ratio	Lower	Upper
156	100		
77	202.1	102.5	307.4
158	96.6	48.8	146.4

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#78

n-propylbenzene

Concen: 10.323 ug/l

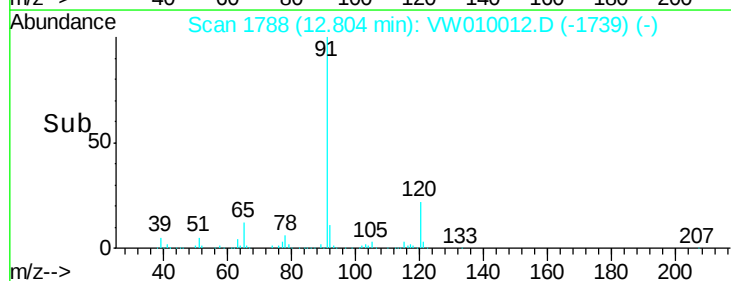
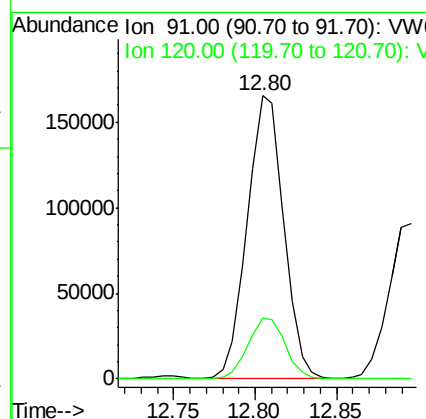
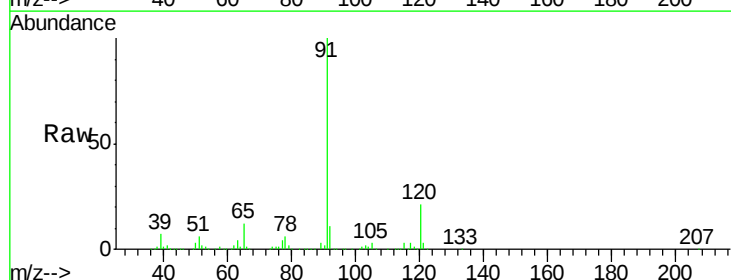
RT: 12.80 min Scan# 1788

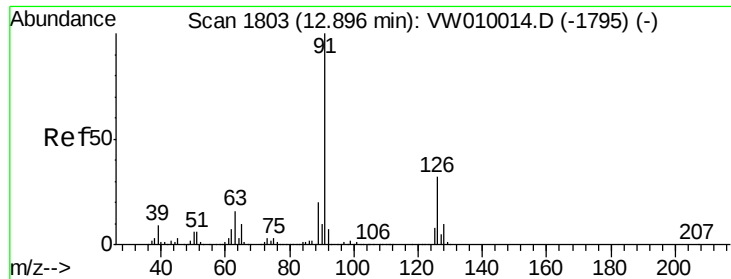
Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Tgt Ion:	91	Resp:	257147
Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





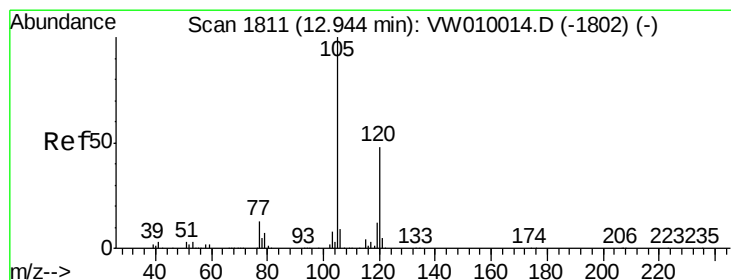
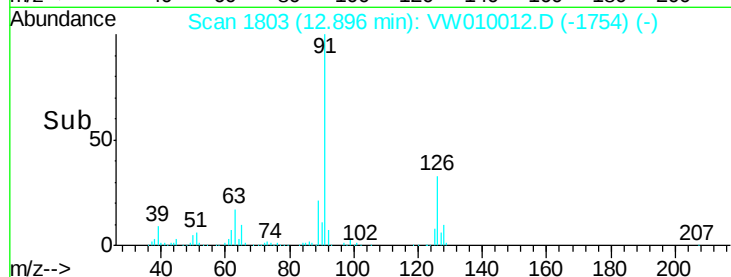
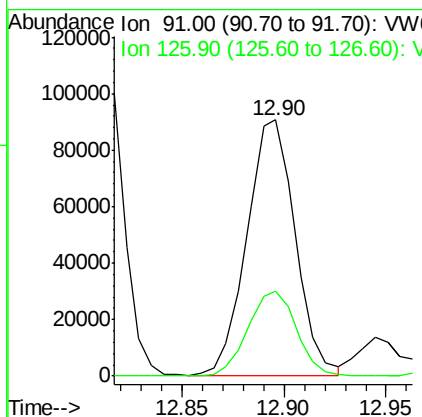
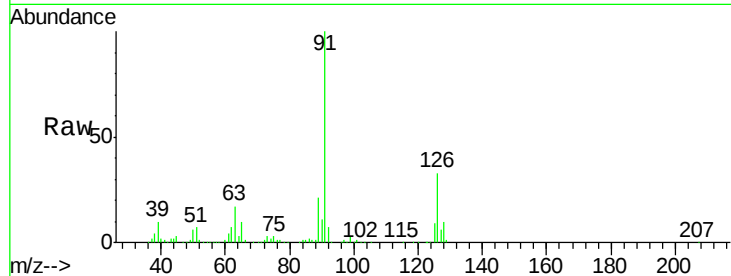
#79
2-Chlorotoluene
Concen: 10.392 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 148879
Ion Ratio Lower Upper
91 100
126 33.4 16.3 48.8

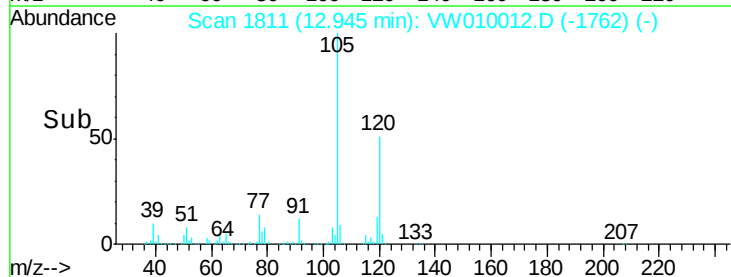
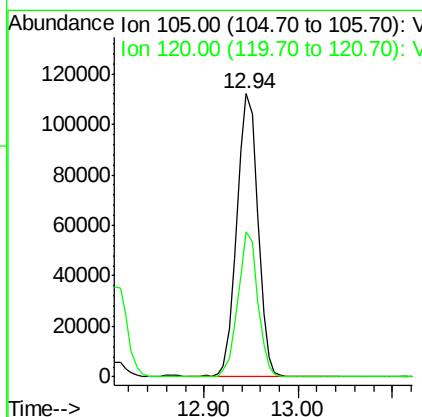
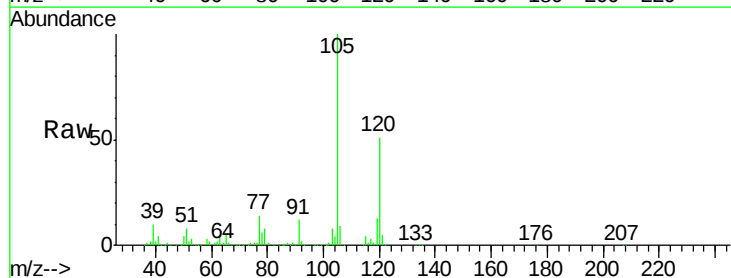
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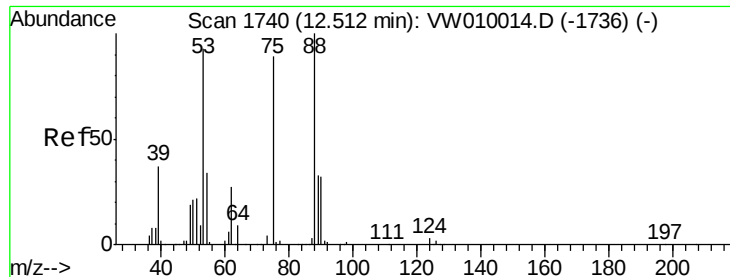
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#80
1,3,5-Trimethylbenzene
Concen: 10.296 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion: 105 Resp: 175461
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 9.900 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

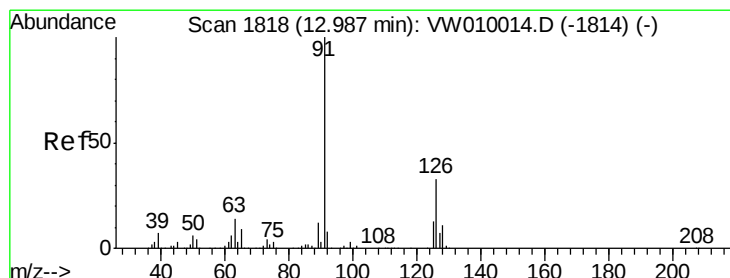
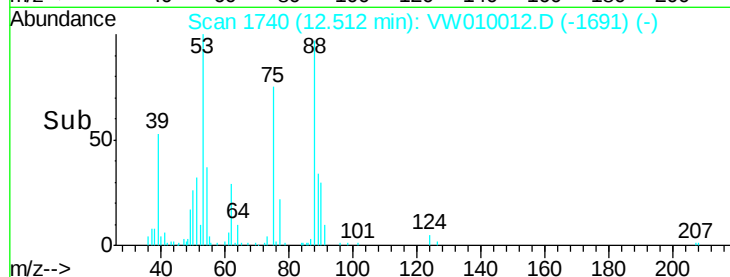
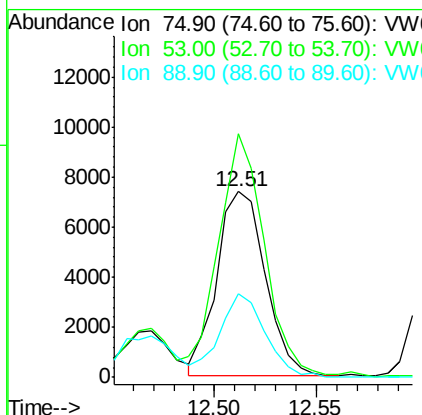
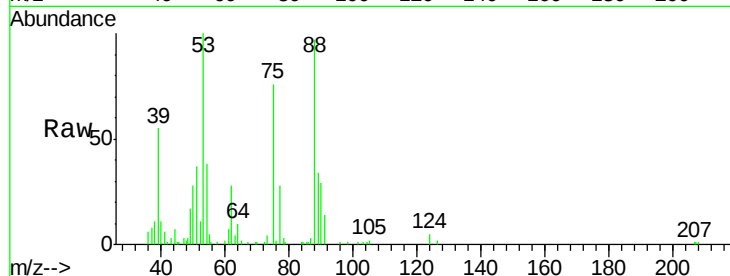
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	12135
Ion	Ratio	Lower	Upper
75	100		
53	123.8	89.8	134.8
89	42.7	36.6	54.8

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#82

4-Chlorotoluene

Concen: 10.822 ug/l

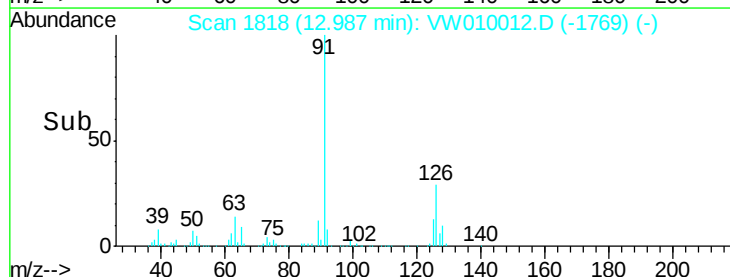
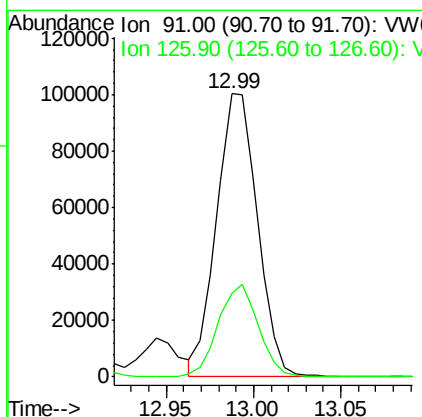
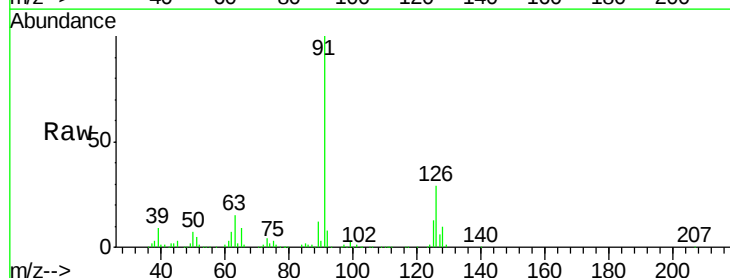
RT: 12.99 min Scan# 1818

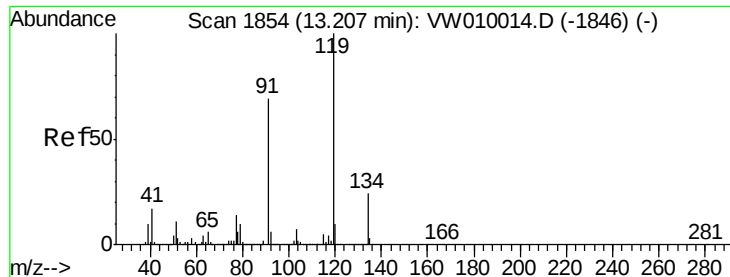
Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Tgt Ion:	91	Resp:	163176
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.1





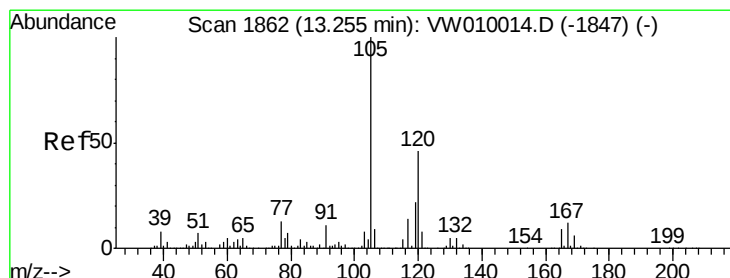
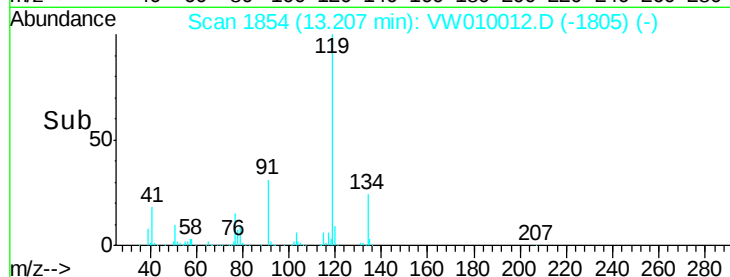
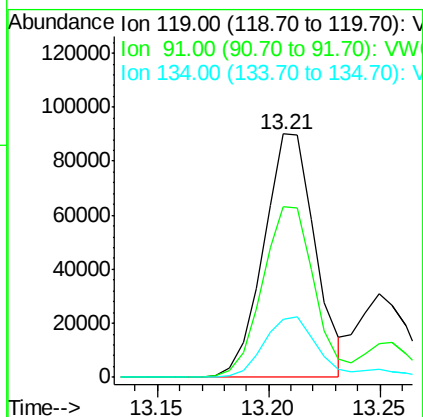
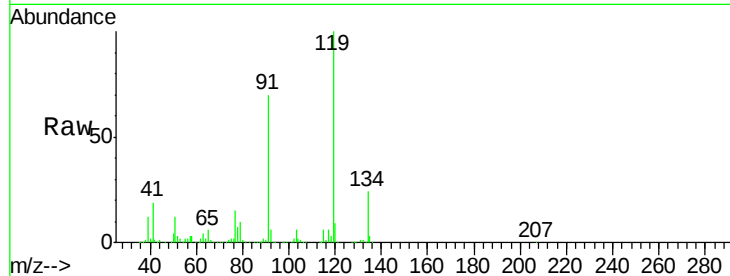
#83
 tert-Butylbenzene
 Concen: 10.218 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.3	34.8	104.4
134	25.3	13.7	41.1

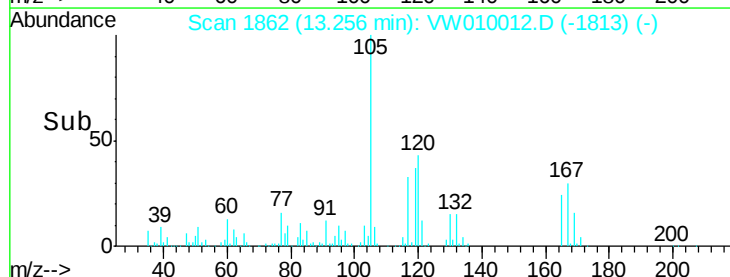
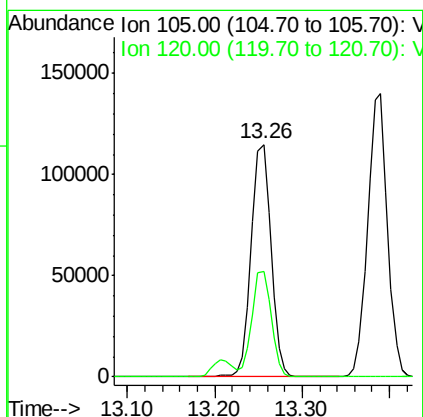
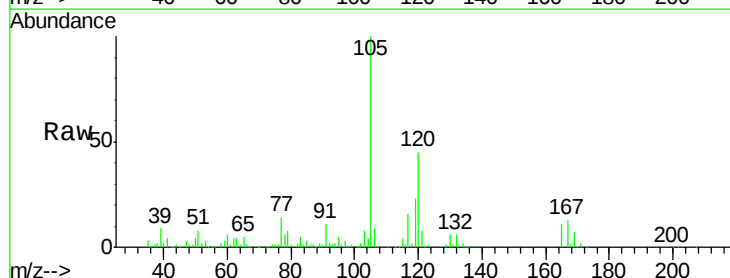
Manual Integrations
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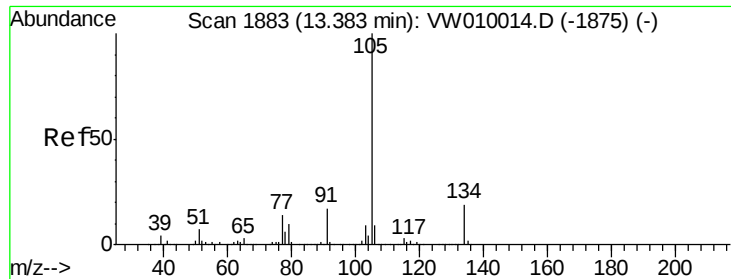
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.530 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 10.494 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 221319

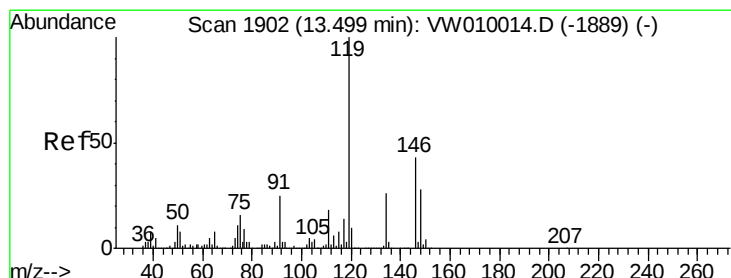
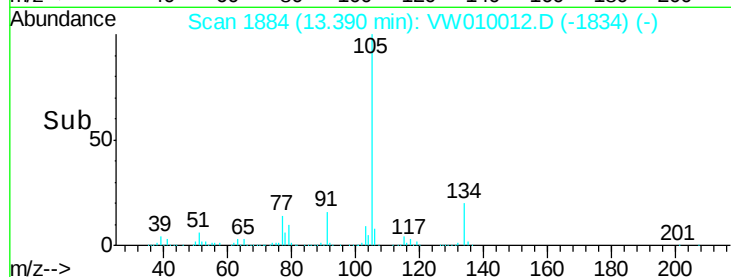
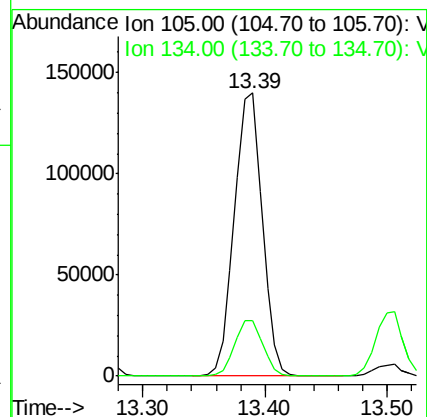
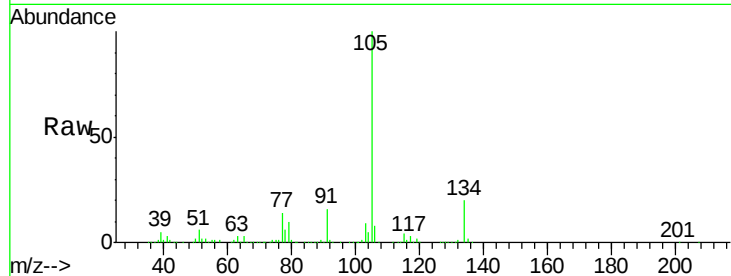
Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 10.309 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010012.D

Acq: 17 Apr 2019 11:22

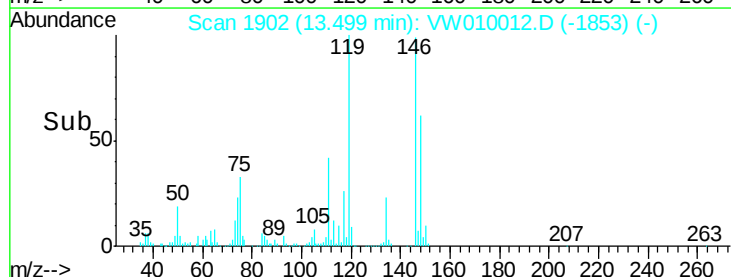
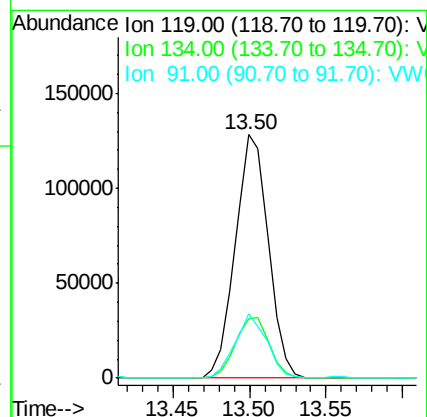
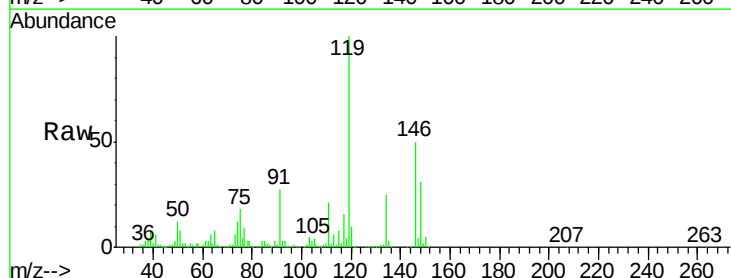
Tgt Ion:119 Resp: 191629

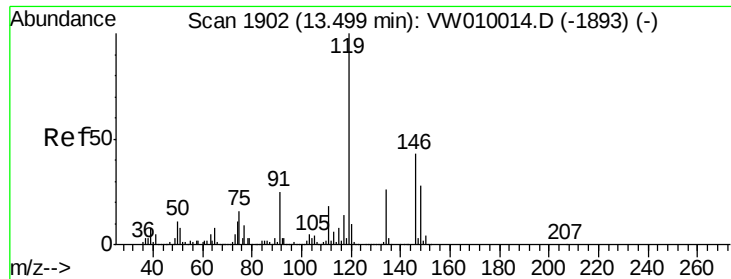
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 25.4 12.3 36.9





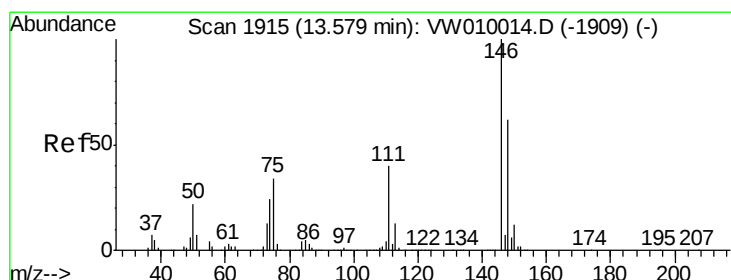
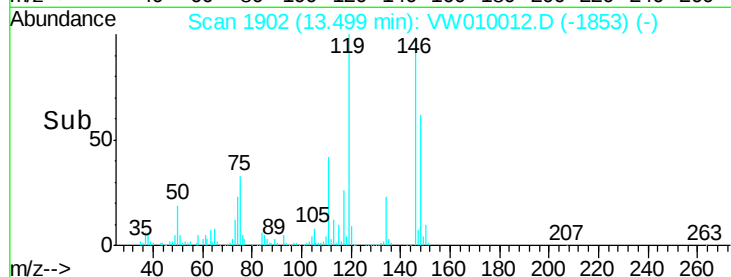
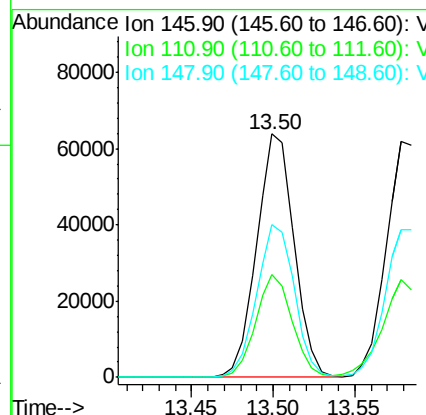
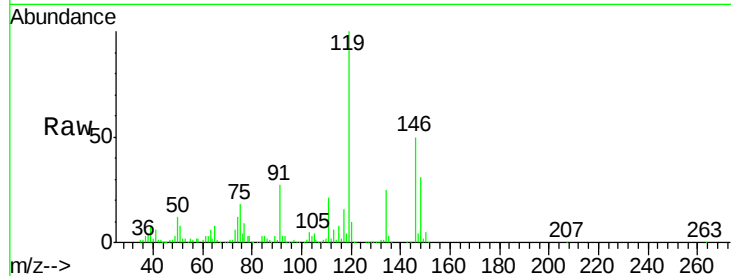
#87
 1,3-Dichlorobenzene
 Concen: 10.932 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
146	100	102149		
111	41.2	20.3	61.0	
148	63.2	32.0	96.2	

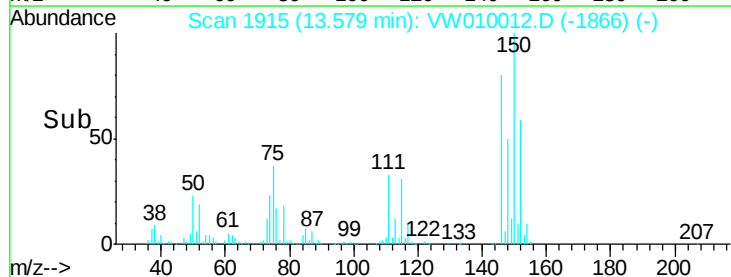
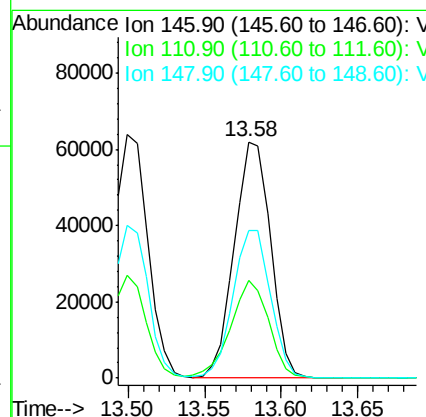
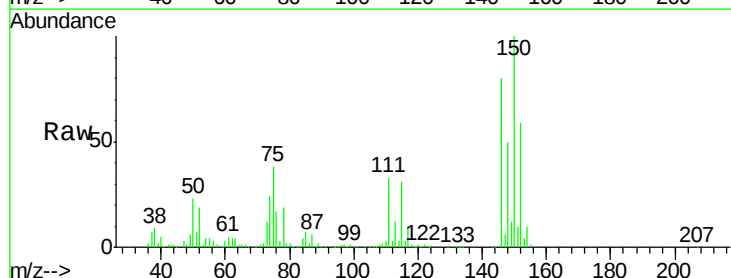
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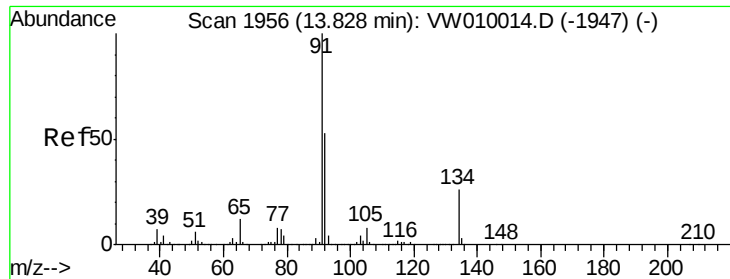
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#88
 1,4-Dichlorobenzene
 Concen: 10.977 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	102376		
111	43.5	20.1	60.3	
148	64.7	31.8	95.3	





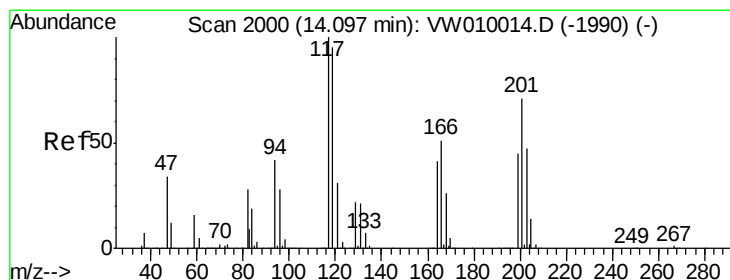
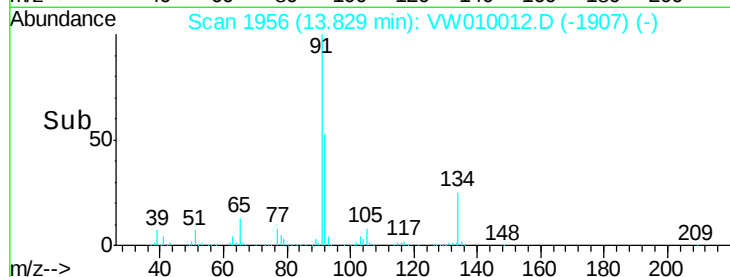
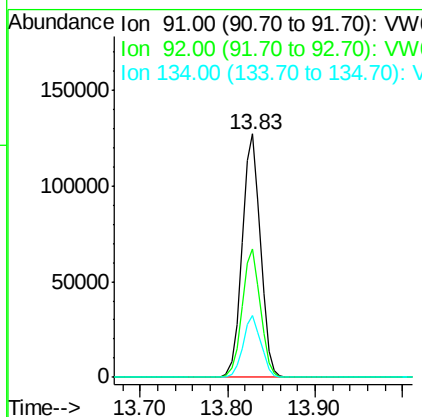
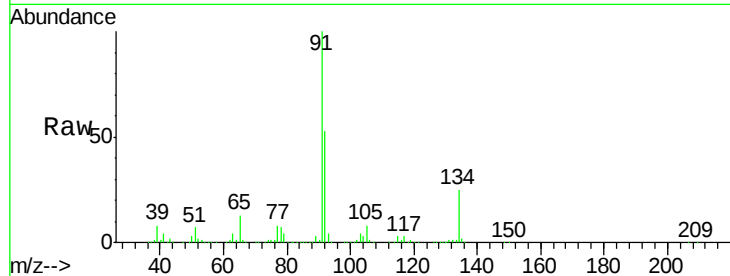
#89
n-Butylbenzene
Concen: 10.087 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		185760		
92	52.3	26.5	79.4		
134	24.7	12.4	37.0		

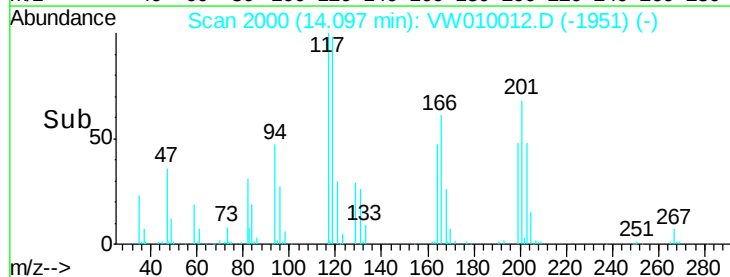
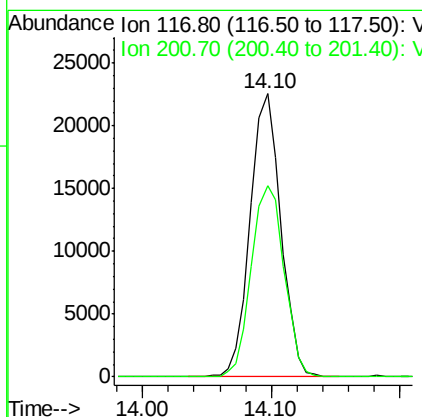
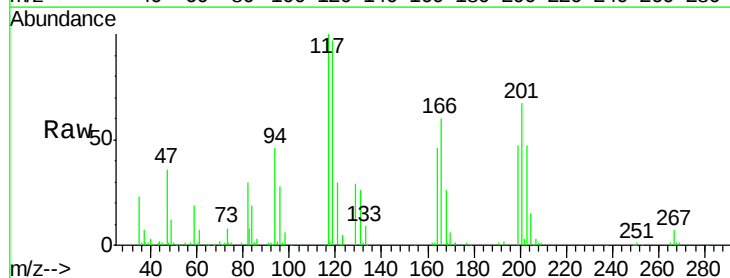
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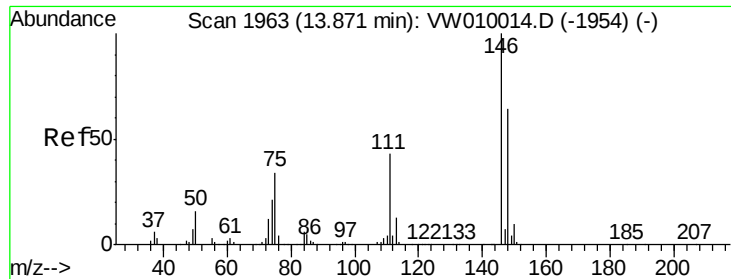
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#90
Hexachloroethane
Concen: 10.414 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		37076		
201	72.4	36.1	108.3		





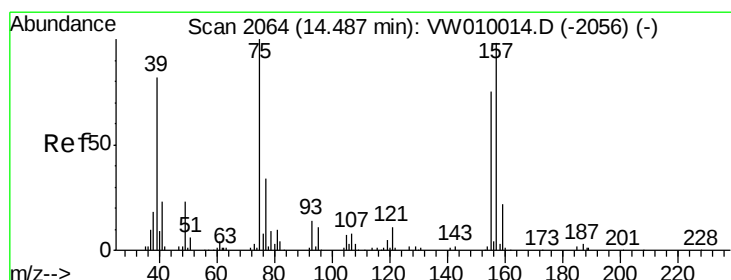
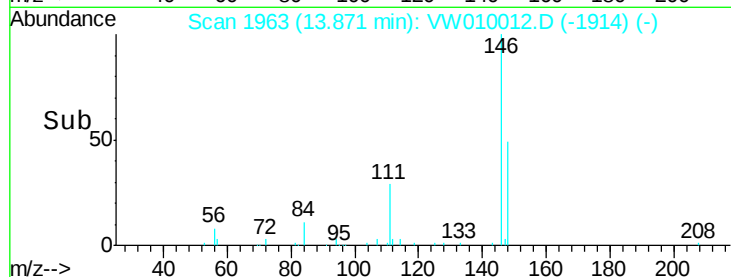
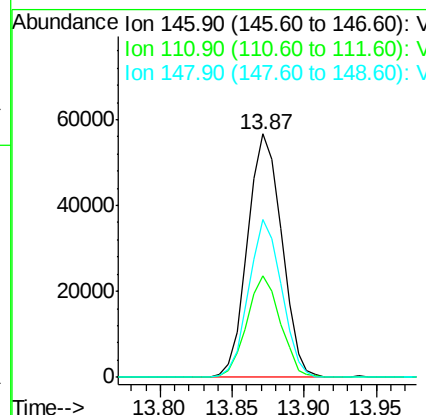
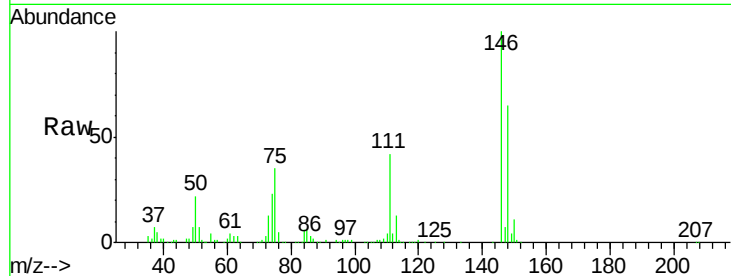
#91
 1,2-Dichlorobenzene
 Concen: 11.095 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.8
148	62.8	31.9	95.7

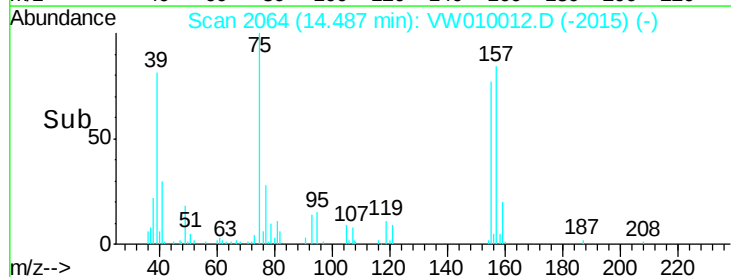
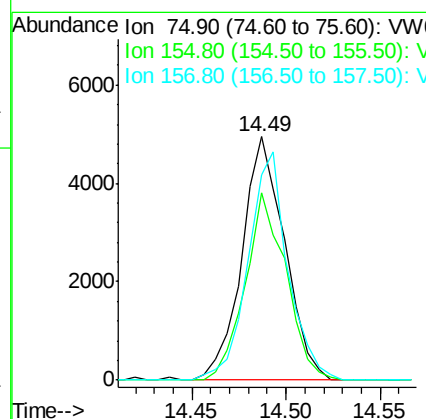
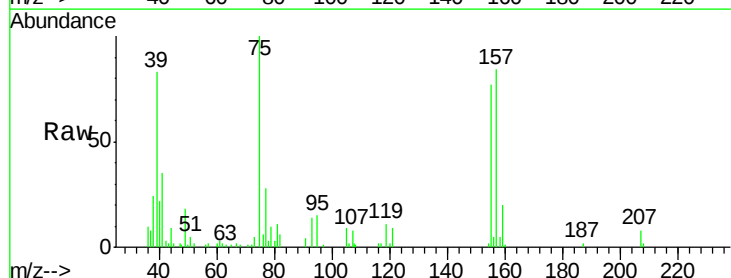
Manual Integrations
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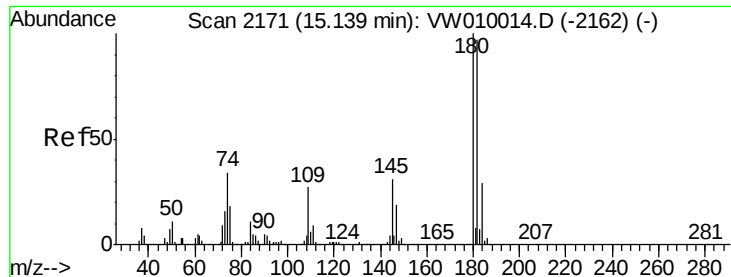
MMDadoda
 4/18/2019 11:40:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.965 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	37.1	111.5
157	87.1	47.3	141.9





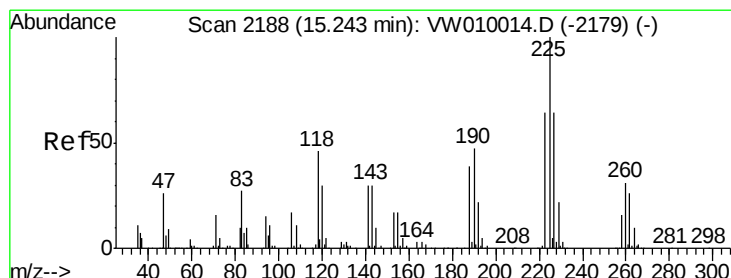
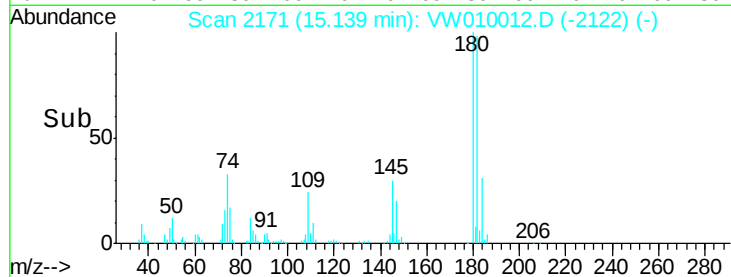
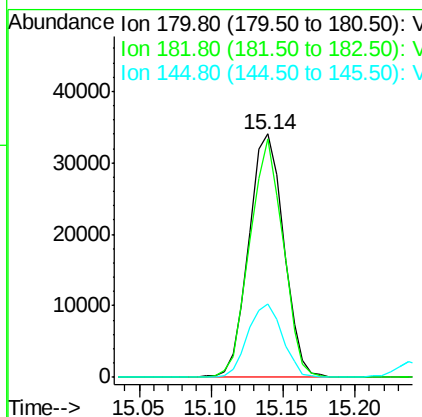
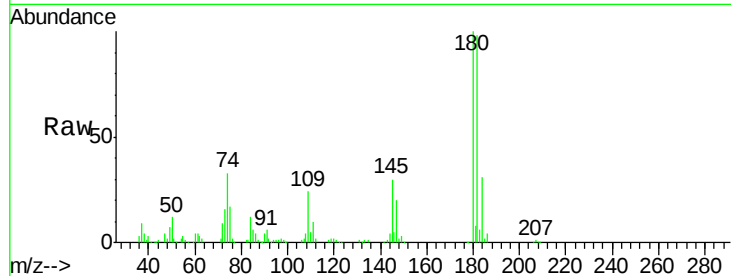
#93
 1,2,4-Trichlorobenzene
 Concen: 10.316 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.1	141.4
145	30.3	15.2	45.6

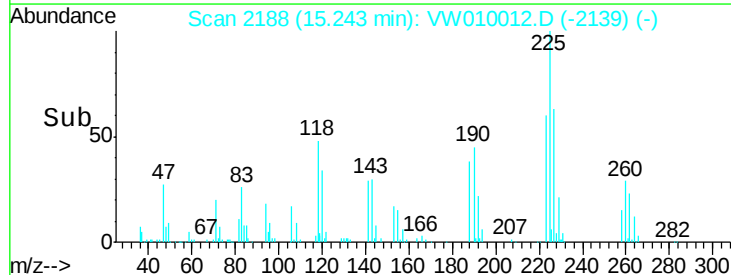
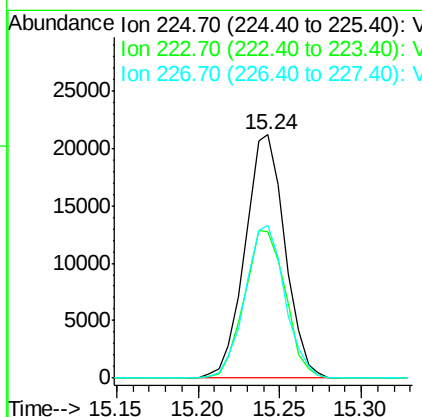
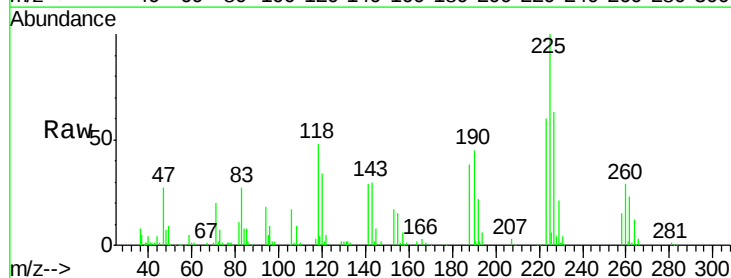
Manual Integrations
 APPROVED

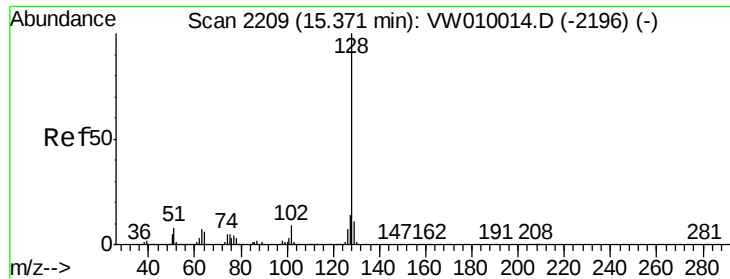
MMDadoda
 4/18/2019 11:40:02 AM



#94
 Hexachlorobutadiene
 Concen: 10.712 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010012.D
 Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.5
227	62.7	31.8	95.3





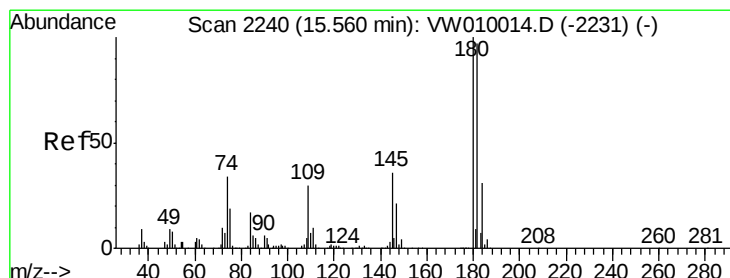
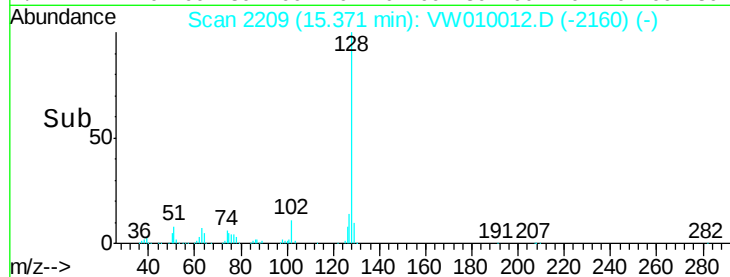
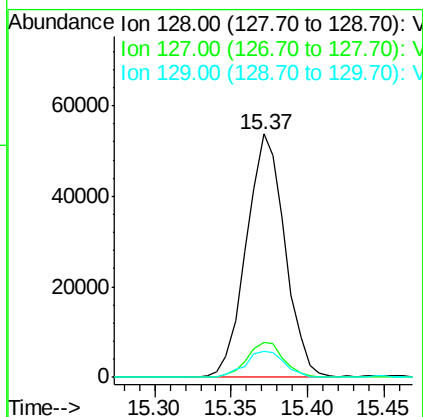
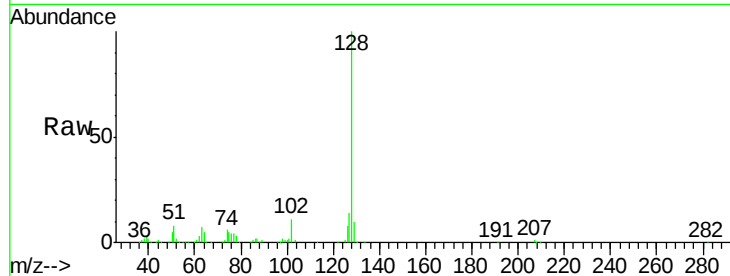
#95
Naphthalene
Concen: 9.488 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 10.195 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010012.D
Acq: 17 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.8	143.3
145	32.4	16.4	49.2

