

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009236.D
 Acq On : 19 Mar 2019 12:18
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:00 AM

Quant Time: Mar 20 07:14:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	314489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	470711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	431827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	235234	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	171210	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	7.88	113	152437	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.32	98	570658	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.62	95	211129	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	87229	39.534	ug/l	100
3) Chloromethane	2.21	50	104991	46.054	ug/l	100
4) Vinyl Chloride	2.37	62	148617	44.417	ug/l	100
5) Bromomethane	2.78	94	121955	44.694	ug/l	100
6) Chloroethane	2.92	64	121711	46.885	ug/l	100
7) Trichlorofluoromethane	3.26	101	106044	48.380	ug/l	100
8) Diethyl Ether	3.68	74	74941	47.408	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	149942	47.224	ug/l	100
10) Methyl Iodide	4.27	142	219655	47.990	ug/l	100
11) Tert butyl alcohol	5.17	59	47454	244.474	ug/l	100
12) 1,1-Dichloroethene	4.04	96	140115	46.683	ug/l	100
13) Acrolein	3.89	56	40205	253.633	ug/l	100
14) Allyl chloride	4.65	41	214085	48.384	ug/l	100
15) Acrylonitrile	5.36	53	166002	249.877	ug/l	100
16) Acetone	4.12	43	172189	250.892	ug/l	100
17) Carbon Disulfide	4.38	76	387450	46.306	ug/l	100
18) Methyl Acetate	4.67	43	86988	49.386	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	183739	49.880	ug/l	100
20) Methylene Chloride	4.92	84	145742	45.480	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	146767	47.529	ug/l	100
22) Diisopropyl ether	6.31	45	471780	49.458	ug/l	100
23) Vinyl Acetate	6.25	43	1516872	253.440	ug/l	100
24) 1,1-Dichloroethane	6.21	63	280163	47.590	ug/l	100
25) 2-Butanone	7.17	43	247240	251.413	ug/l	100
26) 2,2-Dichloropropane	7.17	77	157561	47.900	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	163835	48.974	ug/l	100
28) Bromochloromethane	7.51	49	130994	50.730	ug/l	100
29) Tetrahydrofuran	7.52	42	157445	251.883	ug/l	100
30) Chloroform	7.67	83	294395	48.062	ug/l	100
31) Cyclohexane	7.95	56	251948	45.905	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	233140	47.684	ug/l	100
36) 1,1-Dichloropropene	8.08	75	227344	48.536	ug/l	100
37) Ethyl Acetate	7.25	43	107424	50.259	ug/l	100
38) Carbon Tetrachloride	8.06	117	236430	47.696	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	274662	50.683	ug/l	100
40) Benzene	8.32	78	614478	48.376	ug/l	100
41) Methacrylonitrile	7.48	41	58476	50.761	ug/l	100
42) 1,2-Dichloroethane	8.40	62	202984	48.886	ug/l	100
43) Isopropyl Acetate	8.42	43	212526	49.656	ug/l	100
44) Trichloroethene	9.09	130	168380	48.390	ug/l	100
45) 1,2-Dichloropropane	9.37	63	157568	48.798	ug/l	100
46) Dibromomethane	9.46	93	85979	48.422	ug/l	100
47) Bromodichloromethane	9.64	83	220100	49.053	ug/l	100
48) Methyl methacrylate	9.43	41	102581	51.768	ug/l	100
49) 1,4-Dioxane	9.45	88	28699	1042.044	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	569151	255.164	ug/l	100
52) Toluene	10.38	92	394854	49.060	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	223136	50.997	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	245122	49.796	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	118816	49.417	ug/l	100
56) Ethyl methacrylate	10.65	69	150382	52.526	ug/l	100
57) 1,3-Dichloropropane	10.93	76	206804	49.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	79643	95.074	ug/l	100
59) 2-Hexanone	10.97	43	397497	262.494	ug/l	100
60) Dibromochloromethane	11.13	129	149635	50.373	ug/l	100
61) 1,2-Dibromoethane	11.23	107	112866	49.287	ug/l	100
64) Tetrachloroethene	10.86	164	143947	48.674	ug/l	100
65) Chlorobenzene	11.66	112	438782	49.132	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	163738	49.085	ug/l	100
67) Ethyl Benzene	11.73	91	790190	51.084	ug/l	100
68) m/p-Xylenes	11.84	106	603324	100.627	ug/l	100
69) o-Xylene	12.17	106	282217	50.689	ug/l	100
70) Styrene	12.18	104	468353	51.020	ug/l	100
71) Bromoform	12.35	173	90217	49.514	ug/l	100
73) Isopropylbenzene	12.46	105	808106	51.397	ug/l	100
74) N-amyl acetate	12.27	43	212530	51.820	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	144533	49.143	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	101548m	42.696	ug/l	
77) Bromobenzene	12.75	156	183189	49.188	ug/l	100
78) n-propylbenzene	12.80	91	993057	51.426	ug/l	100
79) 2-Chlorotoluene	12.90	91	554351	50.535	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	691656	51.729	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	47225	52.420	ug/l	100
82) 4-Chlorotoluene	12.99	91	582897	50.439	ug/l	100
83) tert-Butylbenzene	13.21	119	596186	52.176	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	706025	51.506	ug/l	100
85) sec-Butylbenzene	13.38	105	876234	51.895	ug/l	100
86) p-Isopropyltoluene	13.50	119	786273	52.294	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	382294	49.605	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	375569	48.943	ug/l	100
89) n-Butylbenzene	13.83	91	759821	52.645	ug/l	100
90) Hexachloroethane	14.10	117	150003	50.601	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	344078	49.789	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27021	51.310	ug/l	100

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Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:57:43 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	236858	51.034	ug/l	100
94) Hexachlorobutadiene	15.24	225	146453	49.613	ug/l	100
95) Naphthalene	15.37	128	435936	54.212	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	212950	51.401	ug/l	100

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

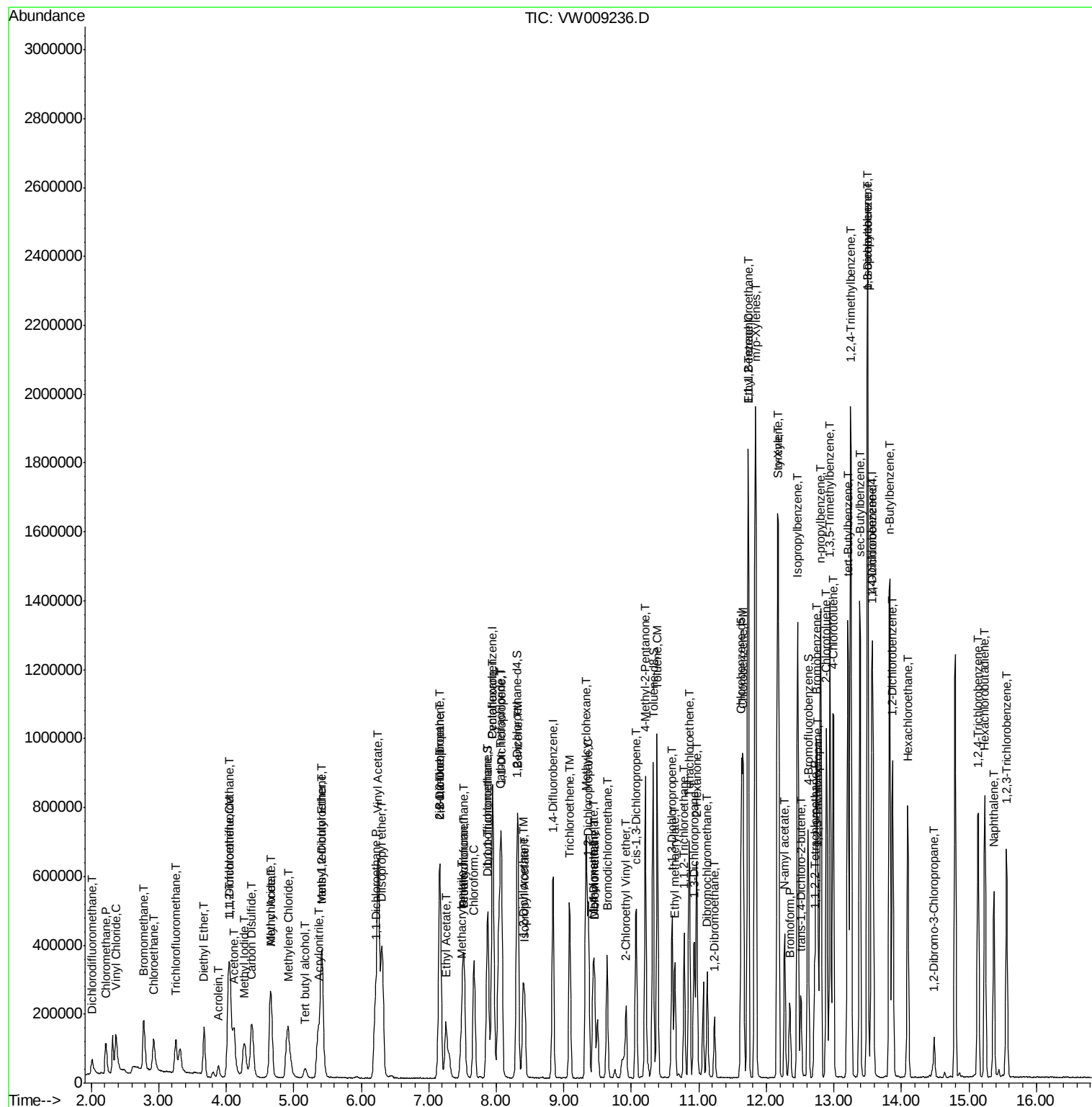
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Data File : VW009236.D
Acq On : 19 Mar 2019 12:18
Operator : SY/VA
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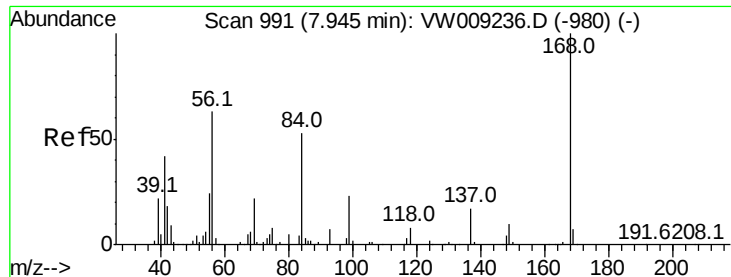
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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#1

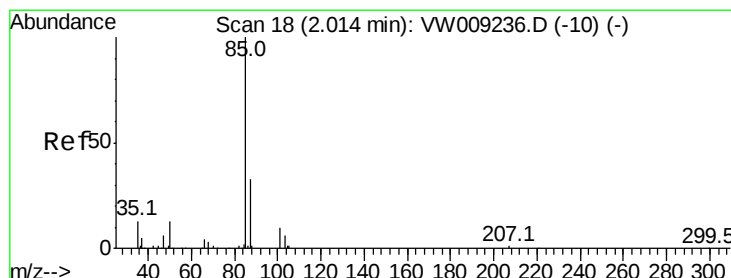
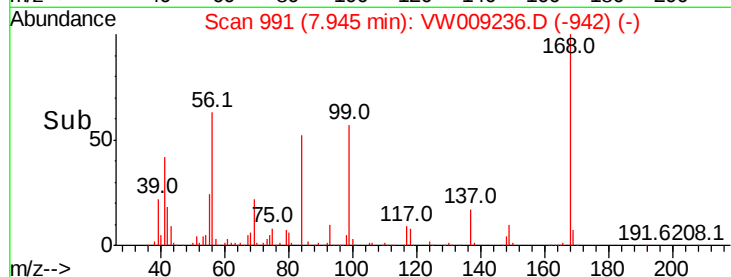
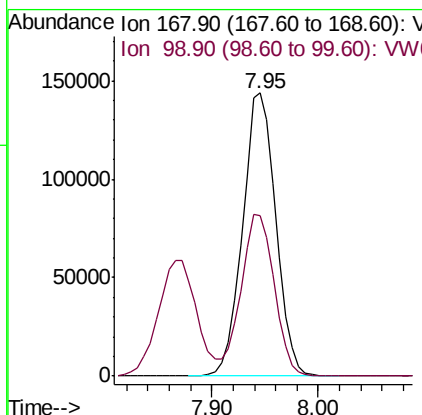
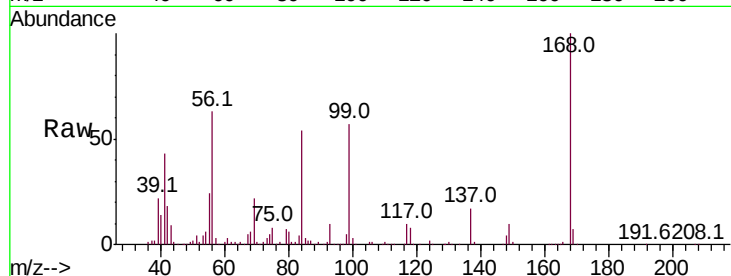
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.7	45.4	68.0

Manual Integrations
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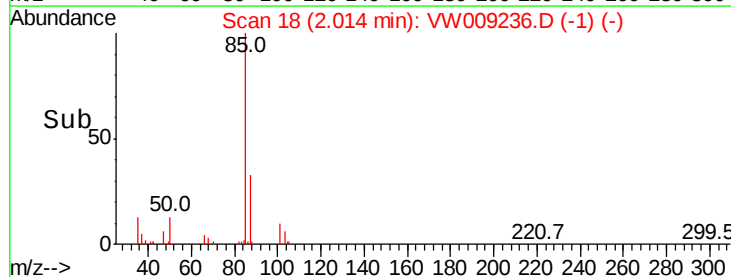
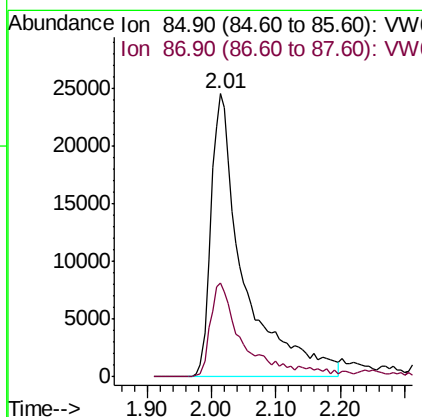
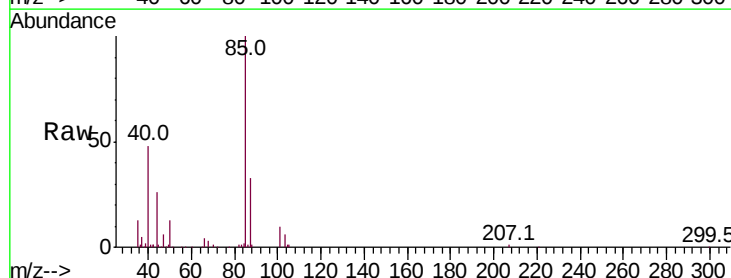
MMDadoda
 3/22/2019 3:53:00 AM

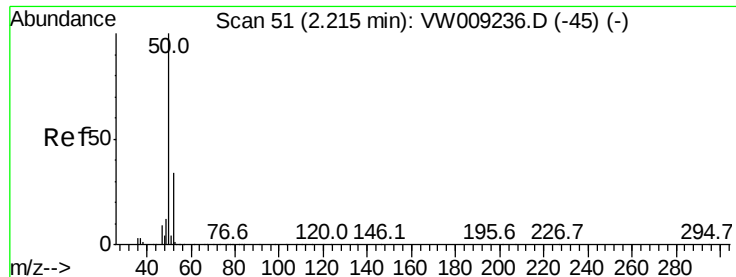


#2

Dichlorodifluoromethane
 Concen: 39.534 ug/l
 RT: 2.01 min Scan# 18
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.7	50.1





#3

Chloromethane

Concen: 46.054 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 104991

Ion Ratio Lower Upper

50 100

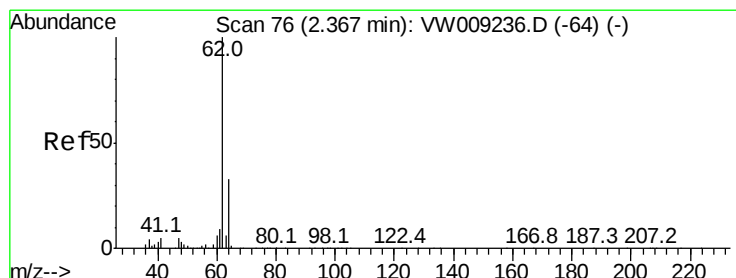
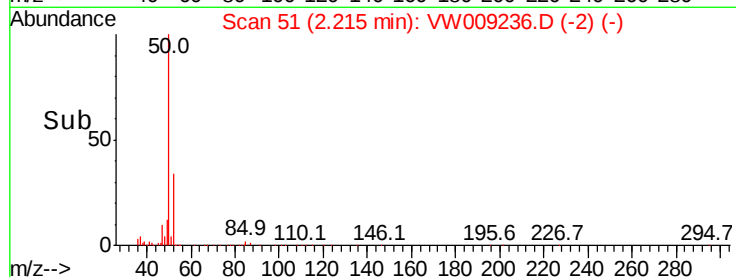
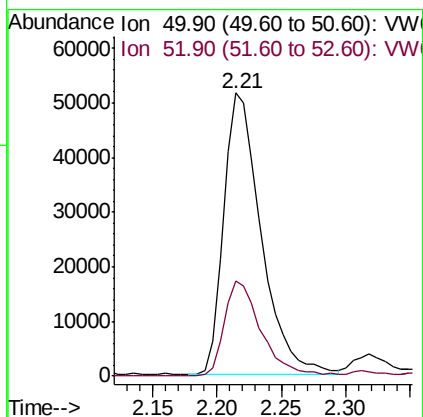
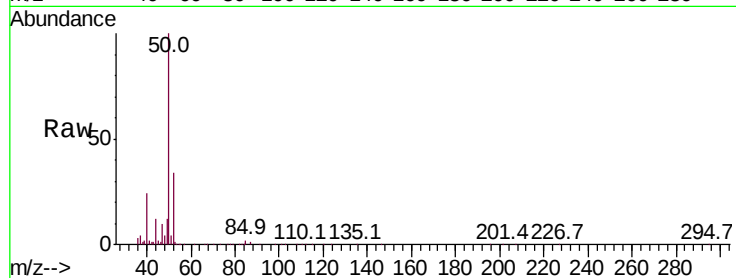
52 34.0 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.417 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009236.D

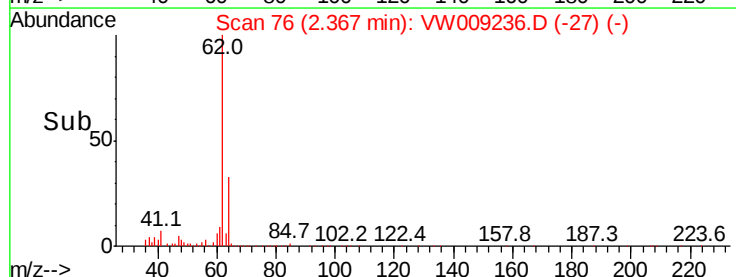
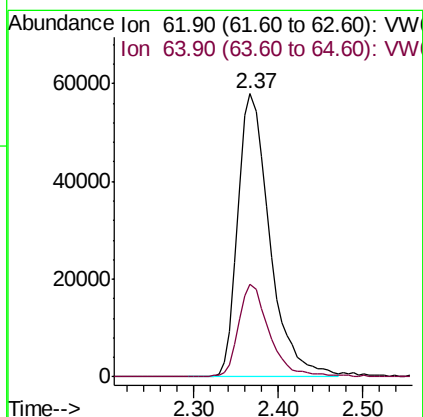
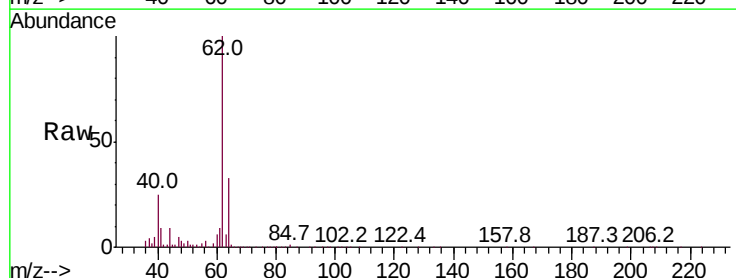
Acq: 19 Mar 2019 12:18

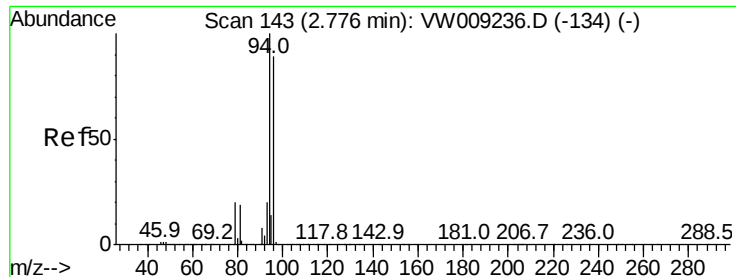
Tgt Ion: 62 Resp: 148617

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2





#5

Bromomethane

Concen: 44.694 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 121955

Ion Ratio Lower Upper

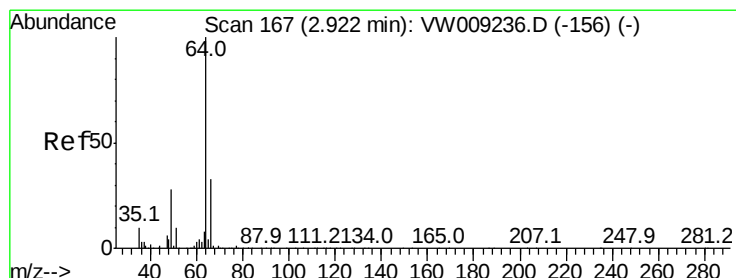
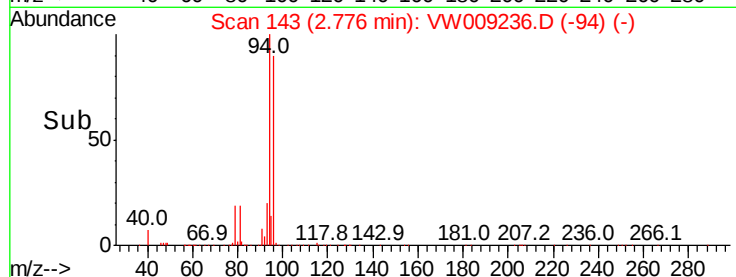
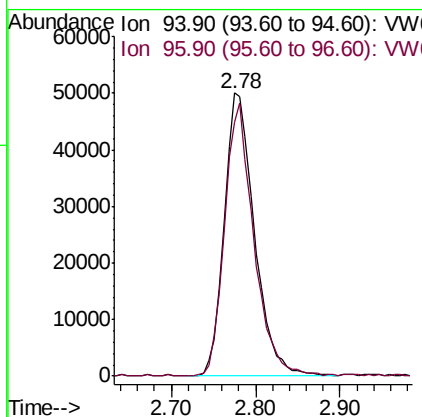
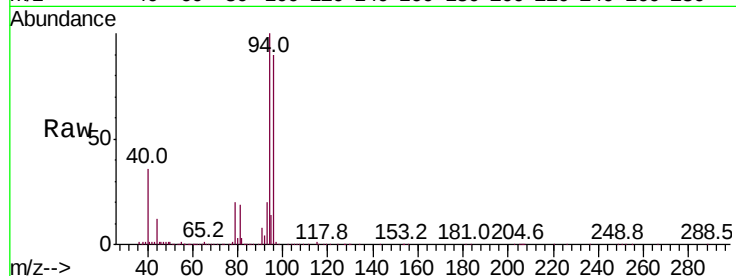
94 100

96 89.3 71.4 107.2

Manual Integrations
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3/22/2019 3:53:00 AM



#6

Chloroethane

Concen: 46.885 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW009236.D

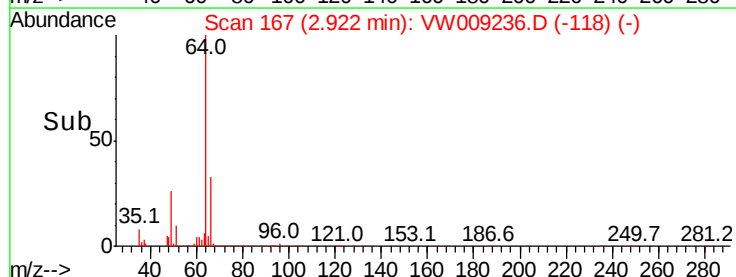
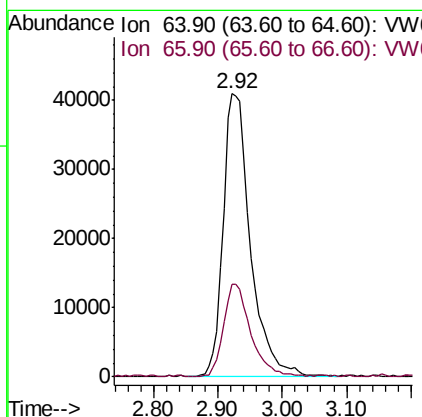
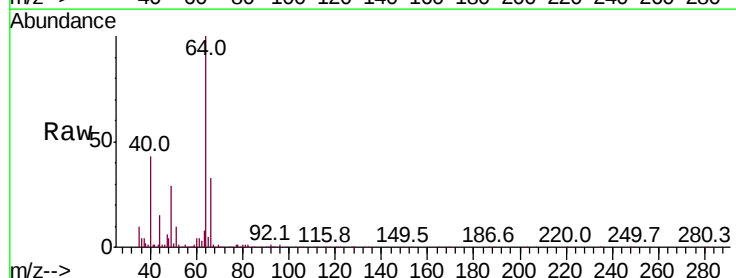
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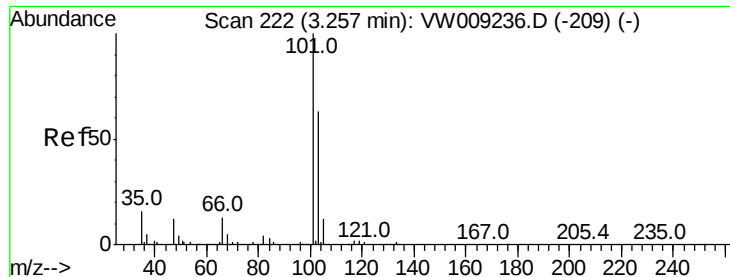
Tgt Ion: 64 Resp: 121711

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2





#7

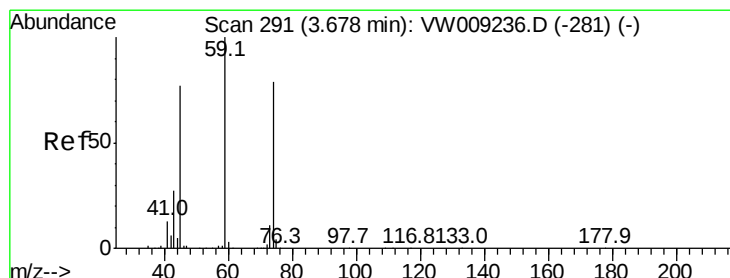
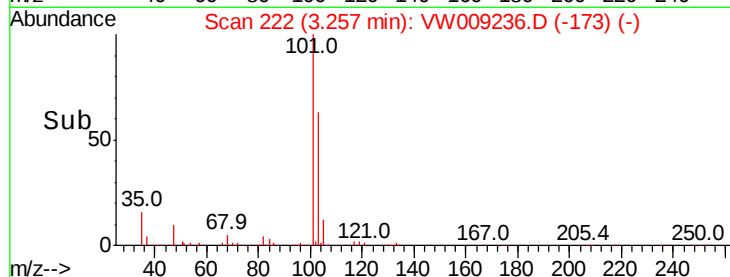
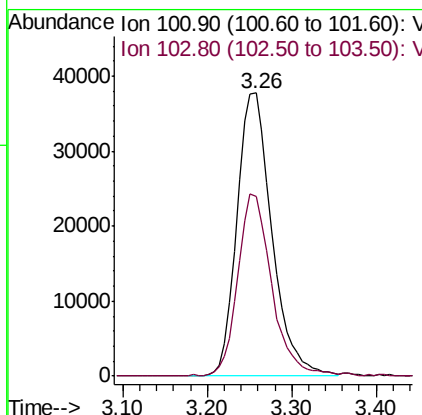
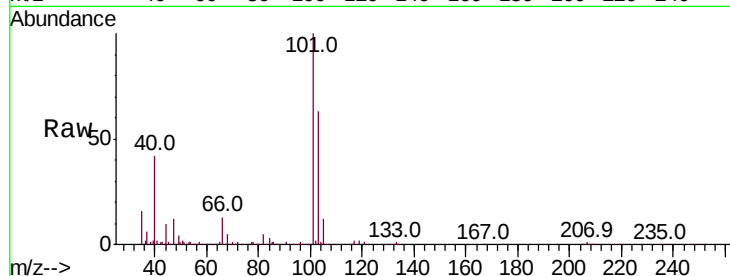
Trichlorofluoromethane
Concen: 48.380 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.5	75.7

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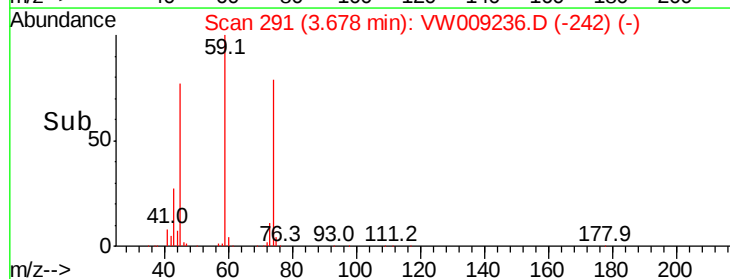
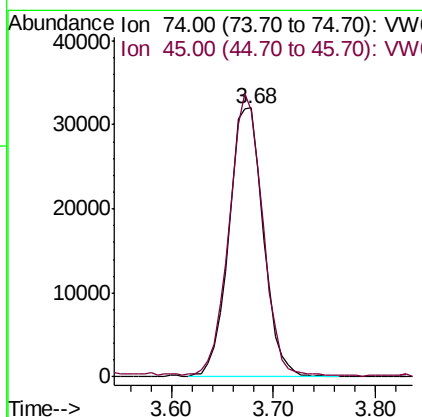
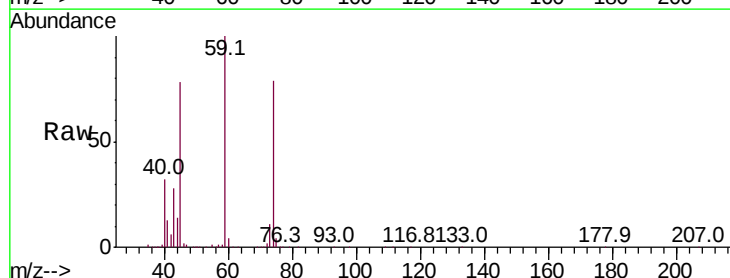
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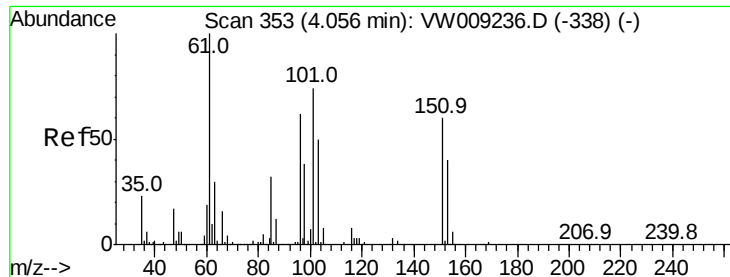


#8

Diethyl Ether
Concen: 47.408 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.224 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

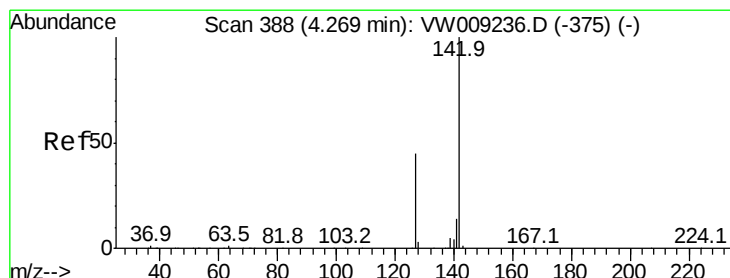
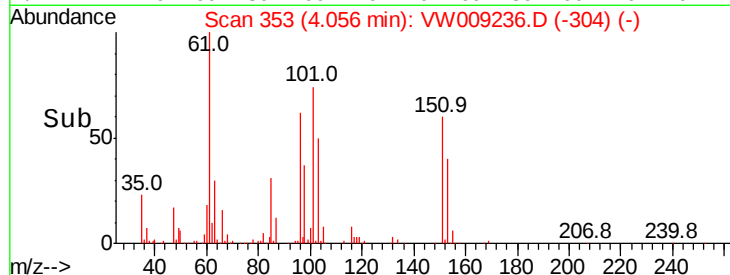
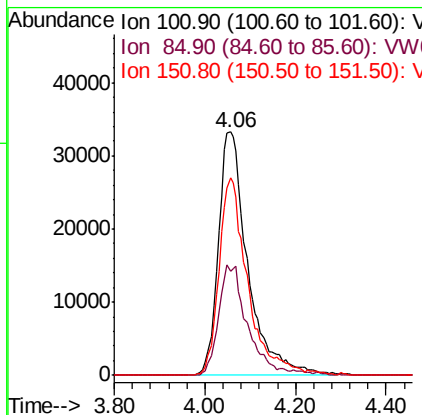
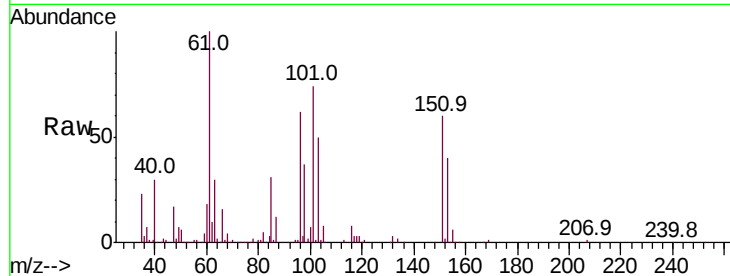
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	149942
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.1	52.7
151	78.6	62.9	94.3

Manual Integrations
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3/22/2019 3:53:00 AM



#10

Methyl Iodide

Concen: 47.990 ug/l

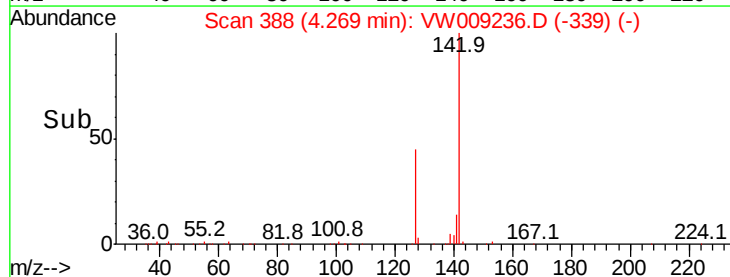
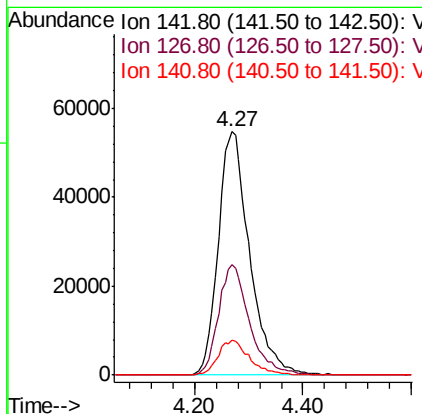
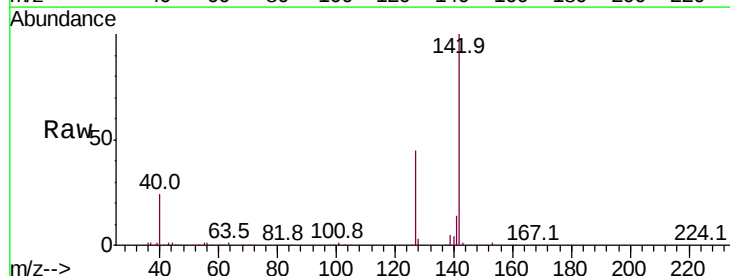
RT: 4.27 min Scan# 388

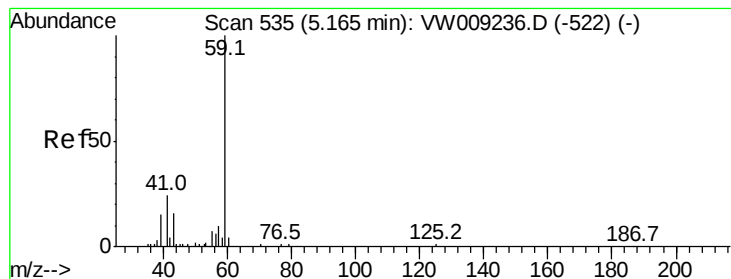
Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Tgt Ion:	142	Resp:	219655
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.9	53.9
141	14.3	11.4	17.2





#11

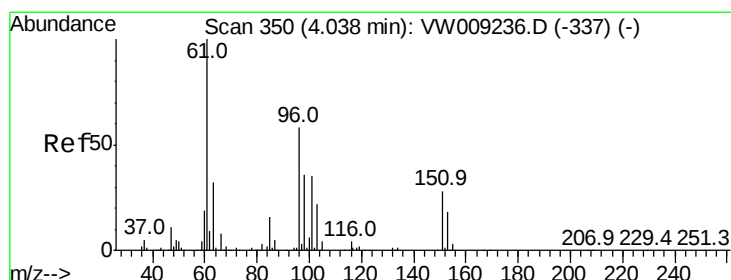
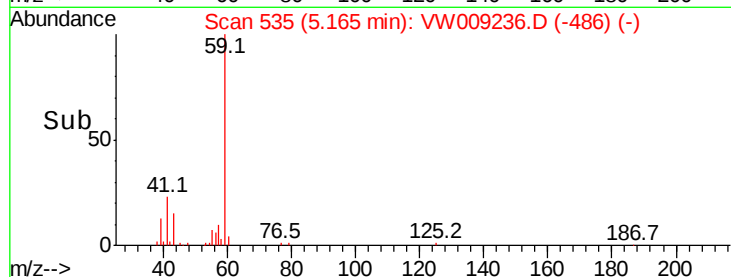
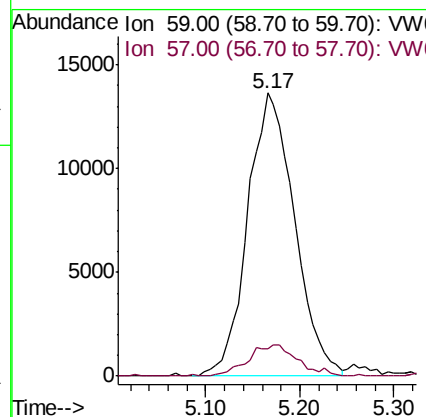
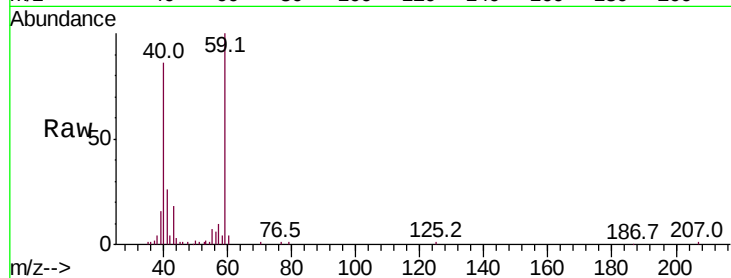
Tert butyl alcohol
 Concen: 244.474 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.4	14.0

Manual Integrations
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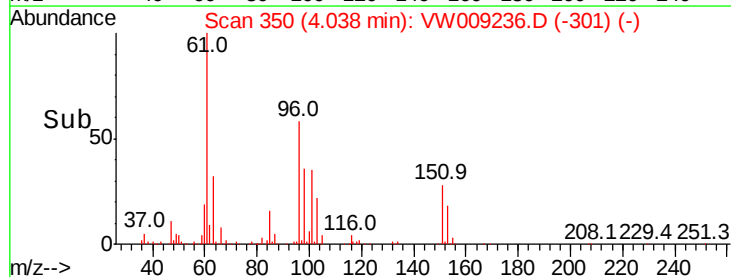
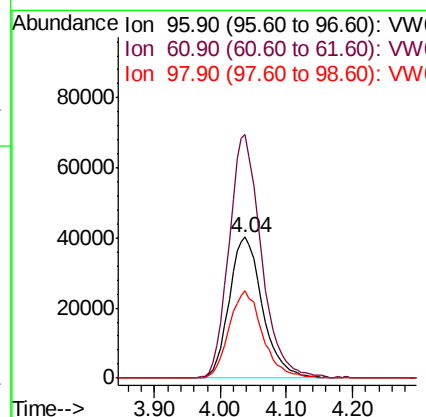
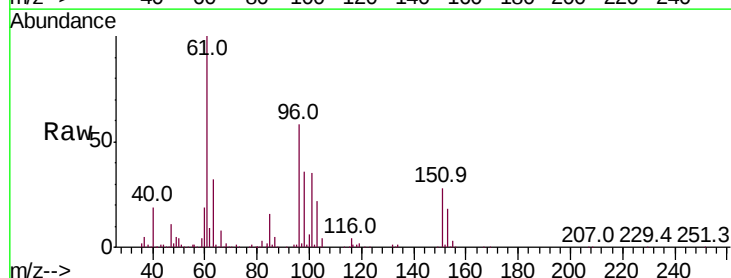
MMDadoda
 3/22/2019 3:53:00 AM

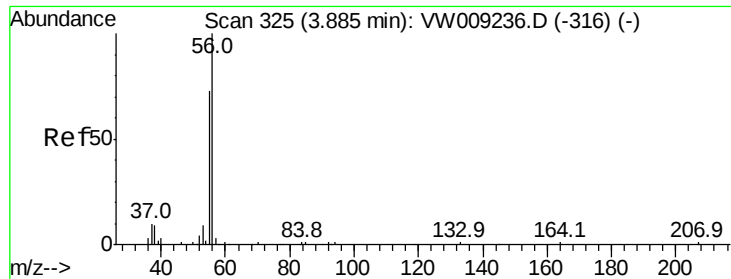


#12

1,1-Dichloroethene
 Concen: 46.683 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.5	138.0	207.0
98	62.3	49.8	74.8





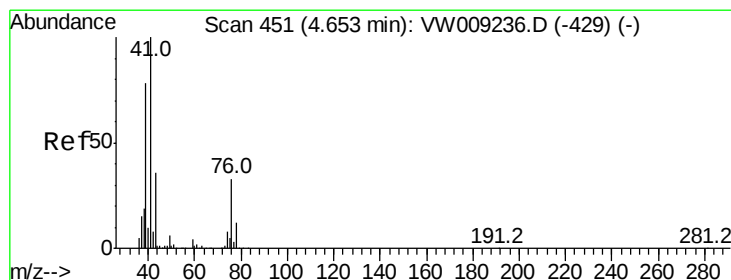
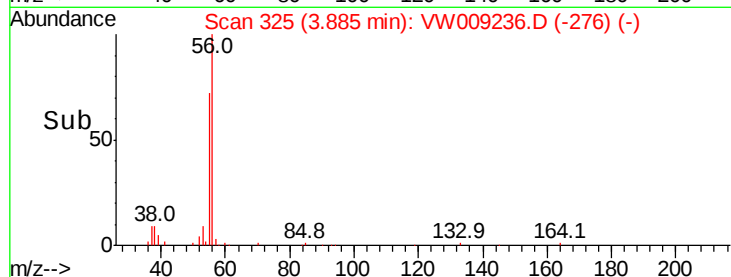
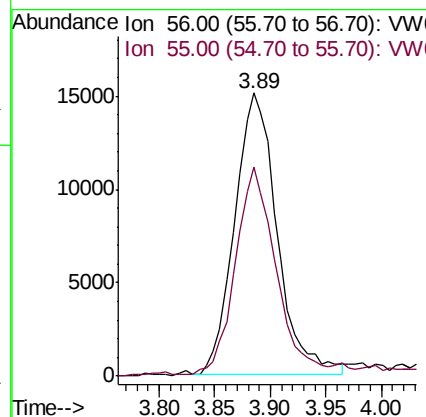
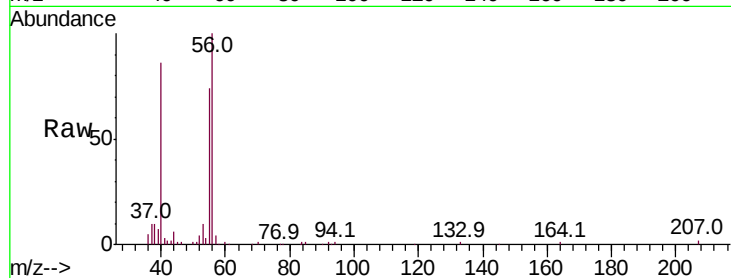
#13
Acrolein
Concen: 253.633 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.0	55.2	82.8

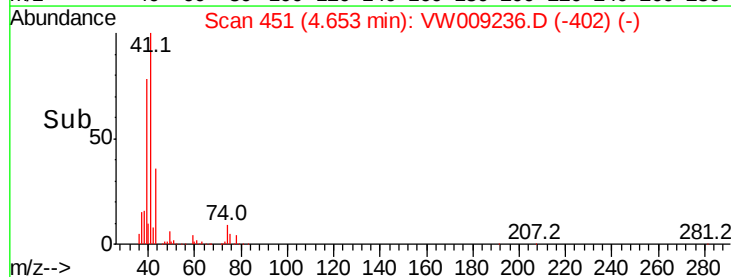
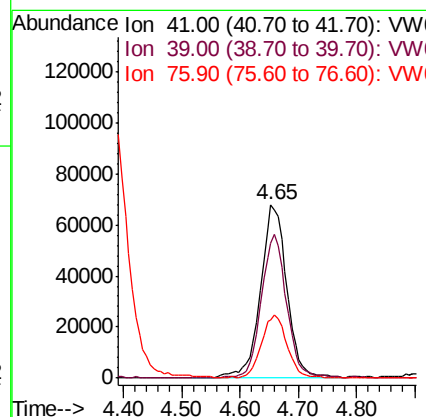
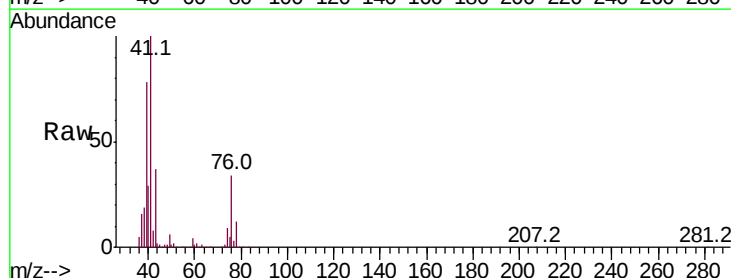
Manual Integrations
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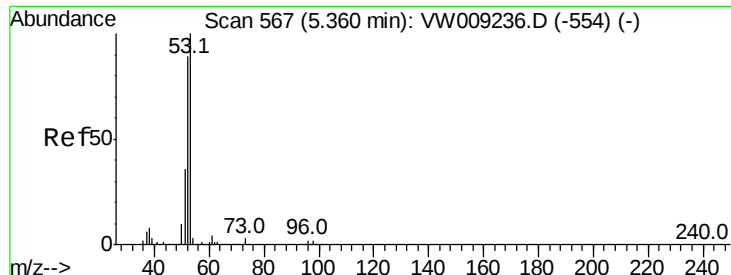
MMDadoda
3/22/2019 3:53:00 AM



#14
Allyl chloride
Concen: 48.384 ug/l
RT: 4.65 min Scan# 451
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.7	63.8	95.6
76	34.7	27.8	41.6





#15

Acrylonitrile

Concen: 249.877 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

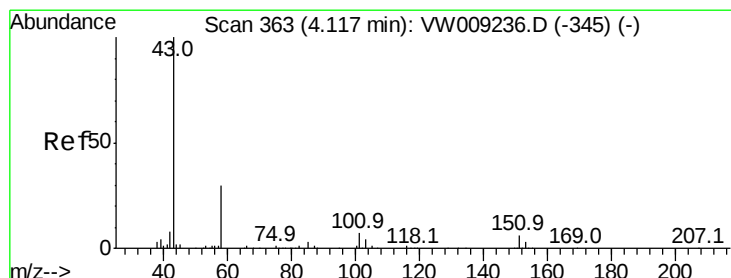
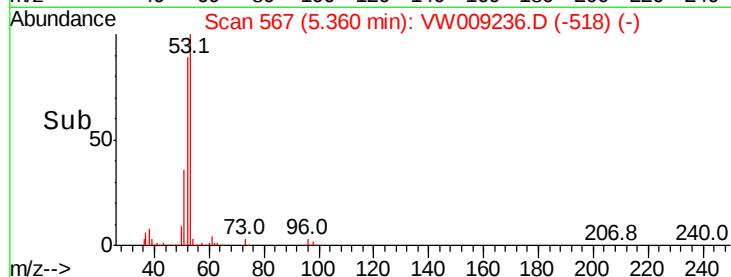
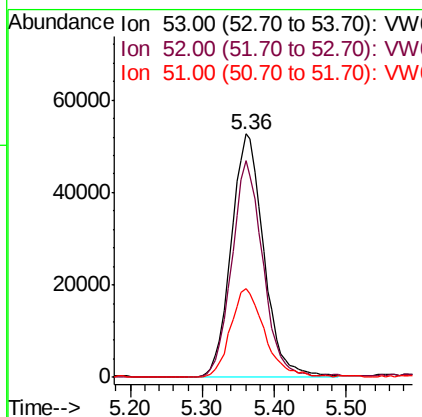
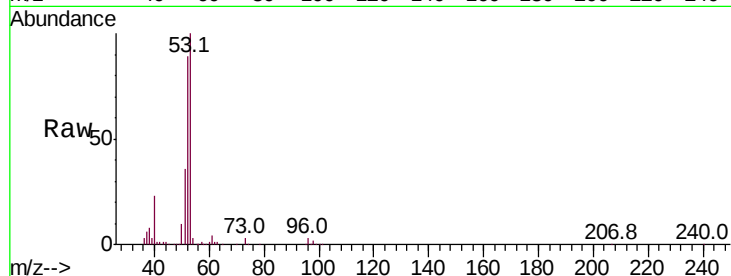
ClientSampleId :

VSTDICCC050

Tot Ion	53	Resp	166002
Ion	Ratio	Lower	Upper
53	100		
52	84.5	67.6	101.4
51	38.2	30.6	45.8

Manual Integrations
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3/22/2019 3:53:00 AM



#16

Acetone

Concen: 250.892 ug/l

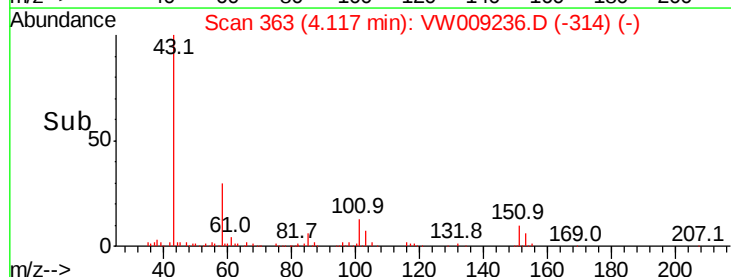
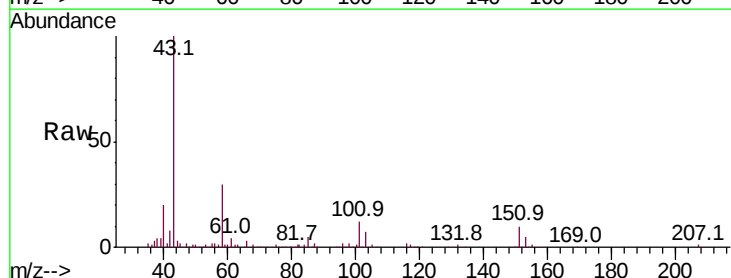
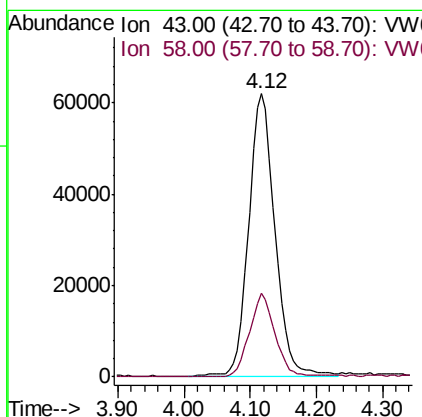
RT: 4.12 min Scan# 363

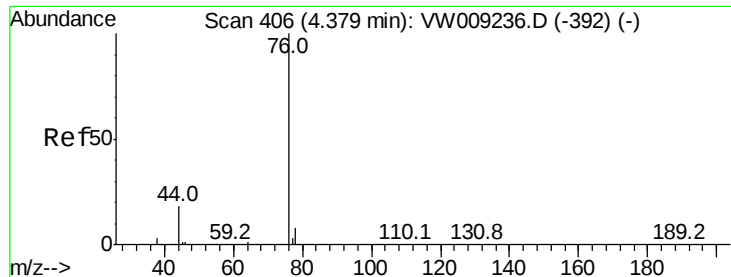
Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Tgt Ion	43	Resp	172189
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4





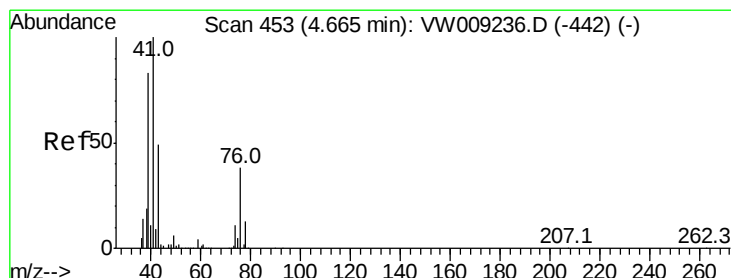
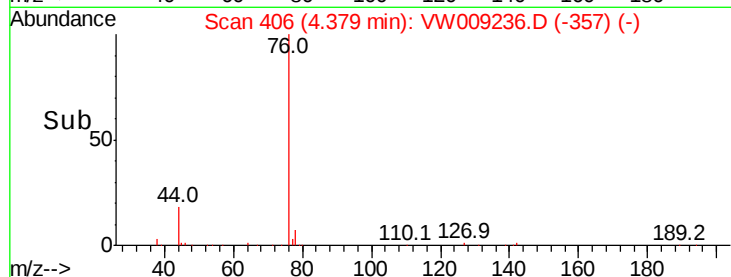
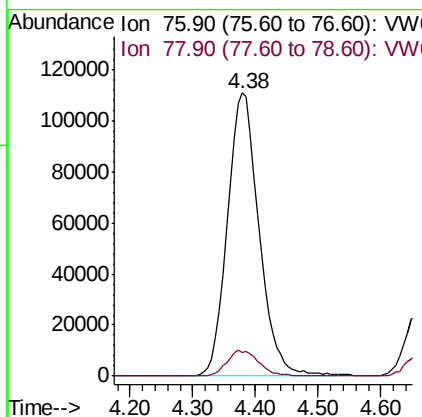
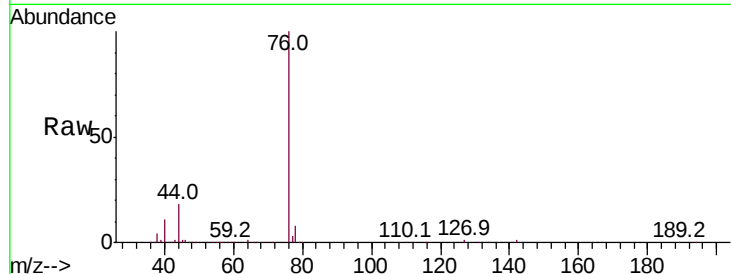
#17
Carbon Disulfide
Concen: 46.306 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 387450
Ion Ratio Lower Upper
76 100
78 8.2 6.6 9.8

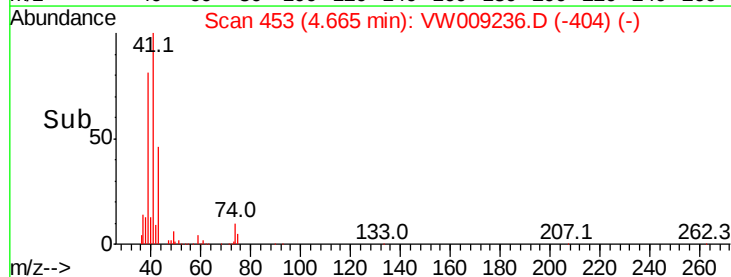
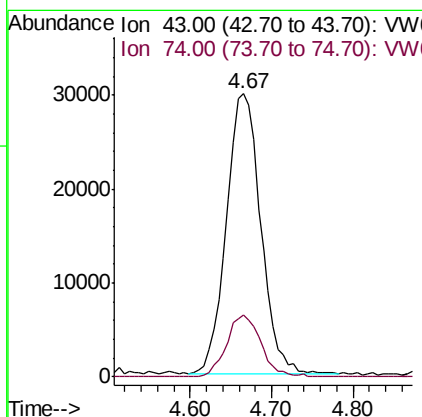
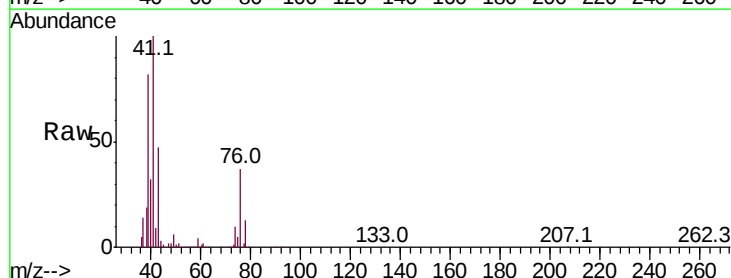
Manual Integrations
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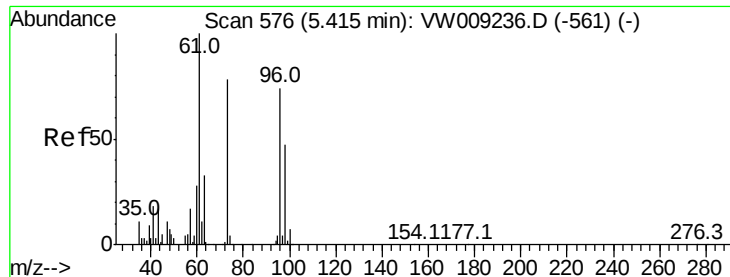
MMDadoda
3/22/2019 3:53:00 AM



#18
Methyl Acetate
Concen: 49.386 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion: 43 Resp: 86988
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5





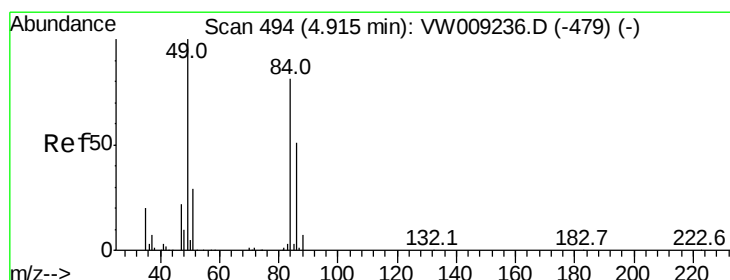
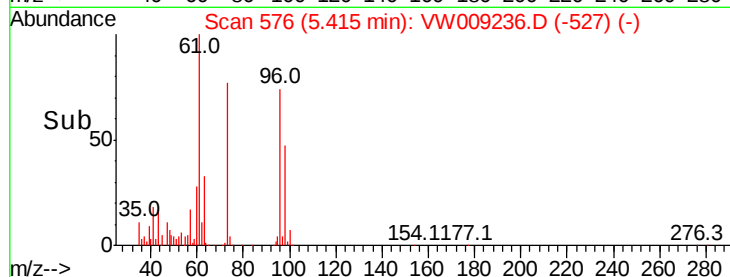
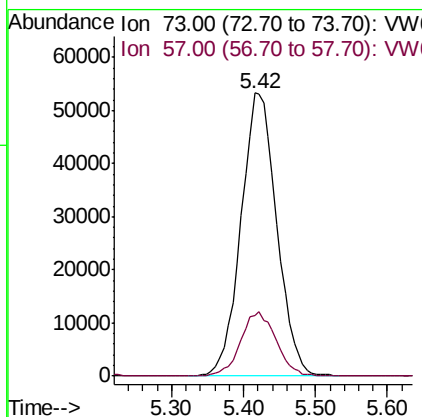
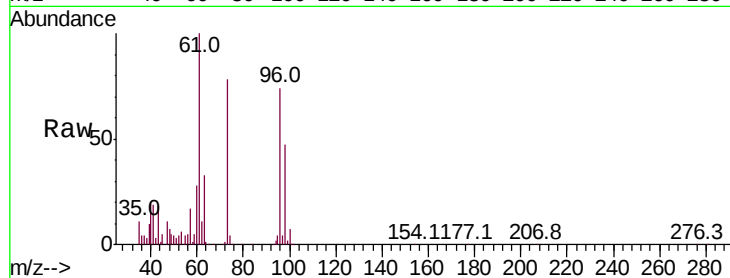
#19
Methvl tert-butvl Ether
Concen: 49.880 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 183739
Ion Ratio Lower Upper
73 100
57 21.3 17.0 25.6

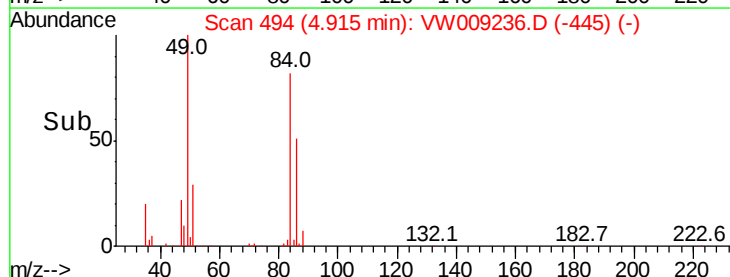
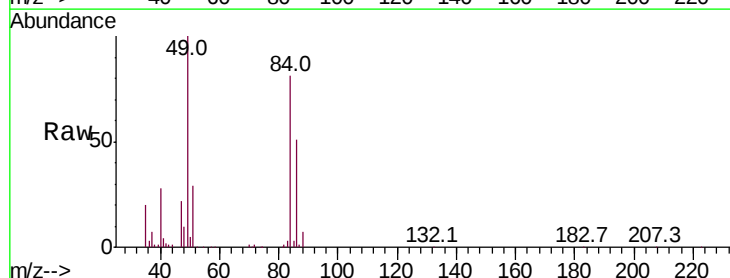
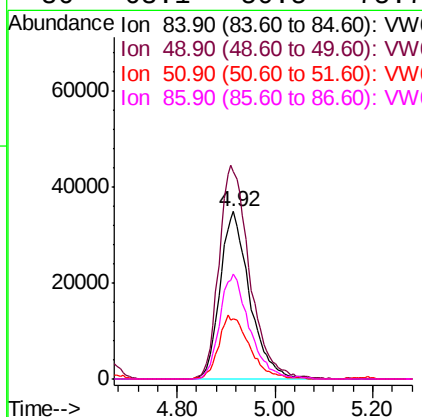
Manual Integrations
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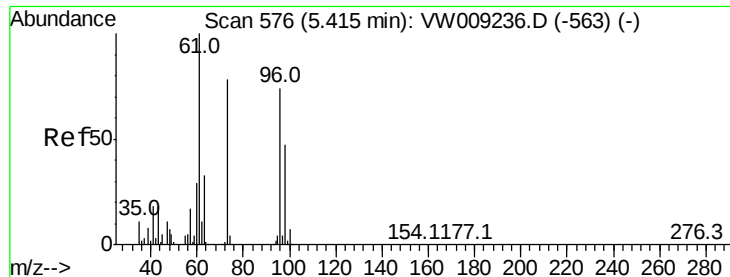
MMDadoda
3/22/2019 3:53:00 AM



#20
Methylene Chloride
Concen: 45.480 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion: 84 Resp: 145742
Ion Ratio Lower Upper
84 100
49 123.9 99.1 148.7
51 35.9 28.7 43.1
86 63.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 47.529 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

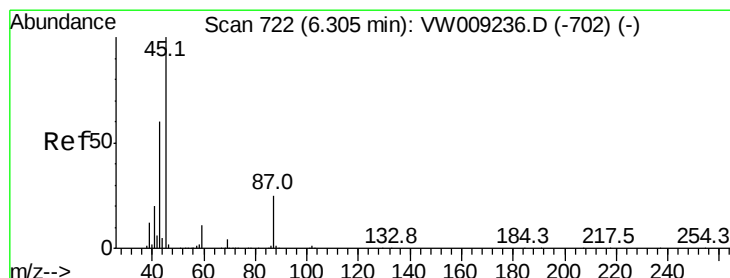
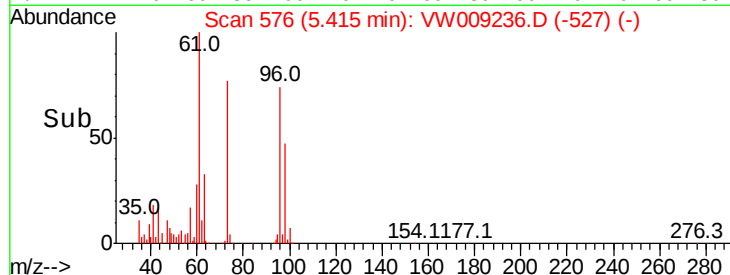
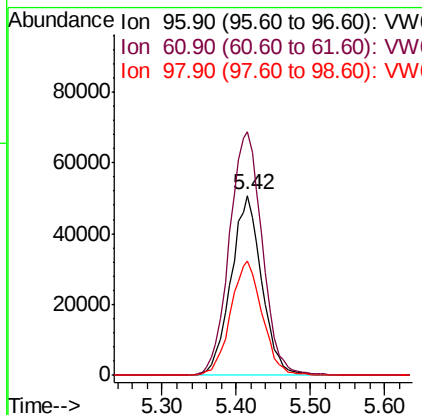
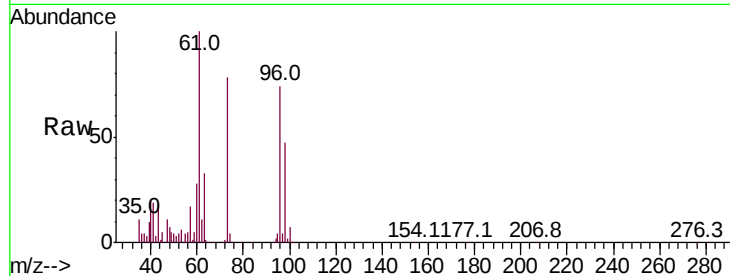
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	146767
Ion Ratio	Lower	Upper	
96	100		
61	135.3	108.2	162.4
98	63.6	50.9	76.3

Manual Integrations
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MMDadoda
3/22/2019 3:53:00 AM



#22

Diisopropyl ether

Concen: 49.458 ug/l

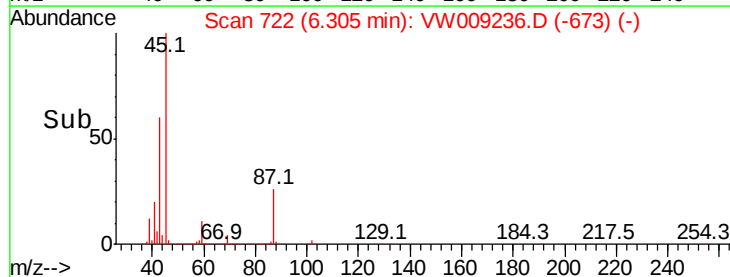
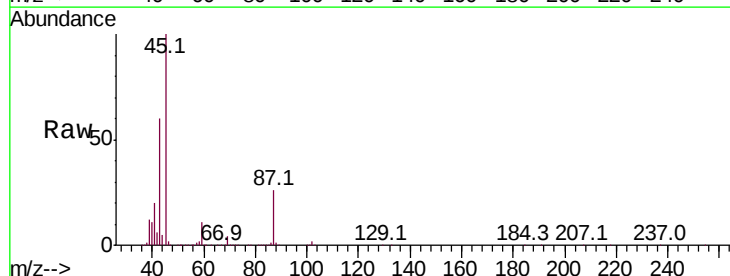
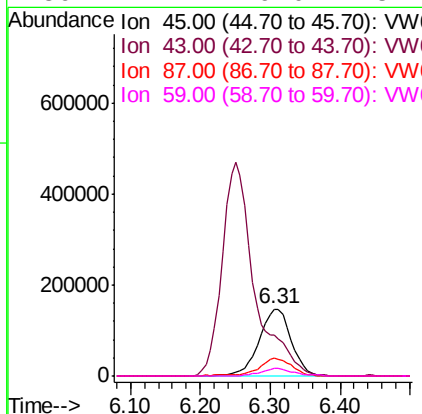
RT: 6.31 min Scan# 722

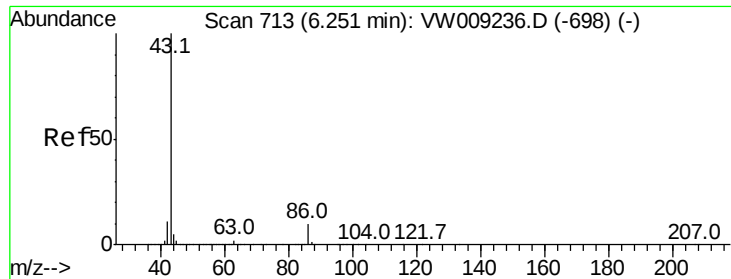
Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Tgt Ion:	45	Resp:	471780
Ion Ratio	Lower	Upper	
45	100		
43	59.9	47.9	71.9
87	25.7	20.6	30.8
59	11.2	9.0	13.4





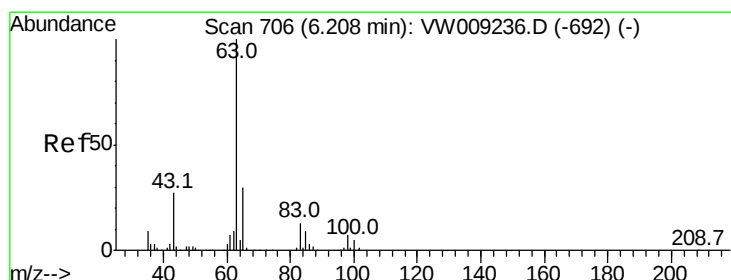
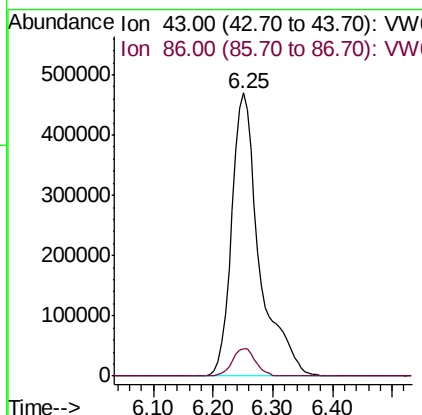
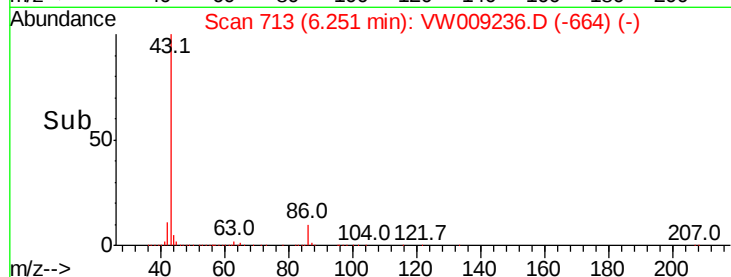
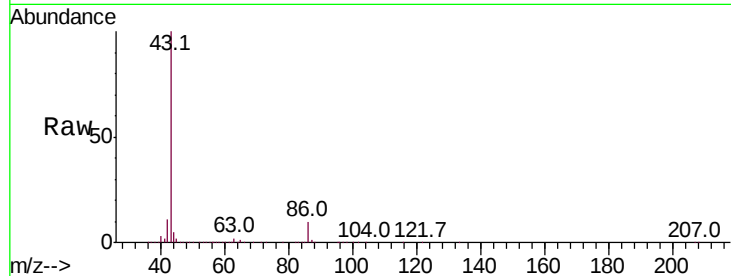
#23
 Vinyl Acetate
 Concen: 253.440 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 1516872
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.7 11.5

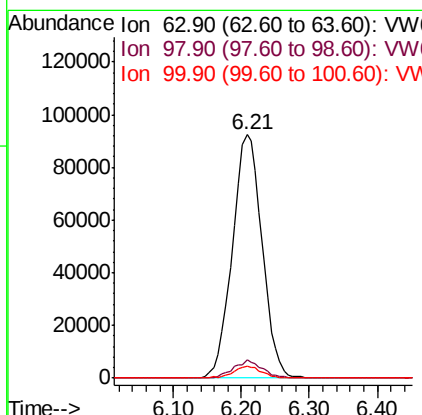
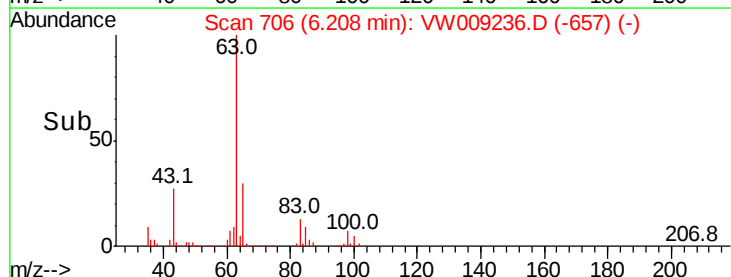
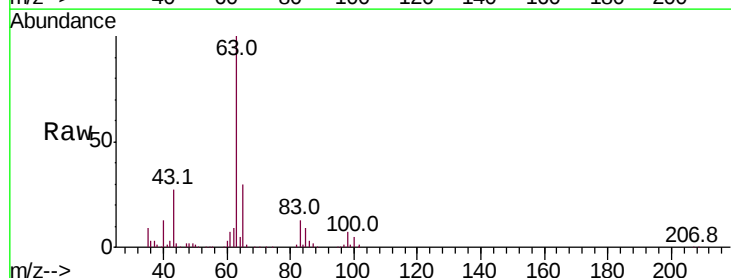
Manual Integrations
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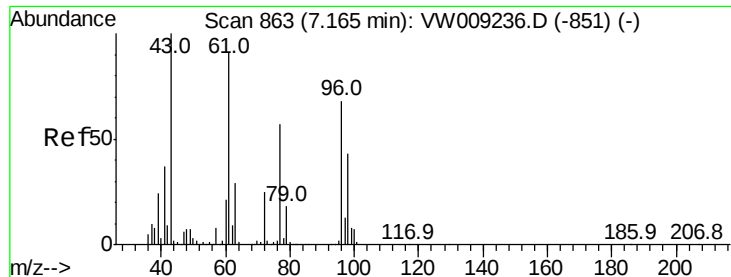
MMDadoda
 3/22/2019 3:53:00 AM



#24
 1,1-Dichloroethane
 Concen: 47.590 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Tgt Ion: 63 Resp: 280163
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.7 11.1
 100 4.7 2.4 7.1





#25

2-Butanone

Concen: 251.413 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 247240

Ion Ratio Lower Upper

43 100

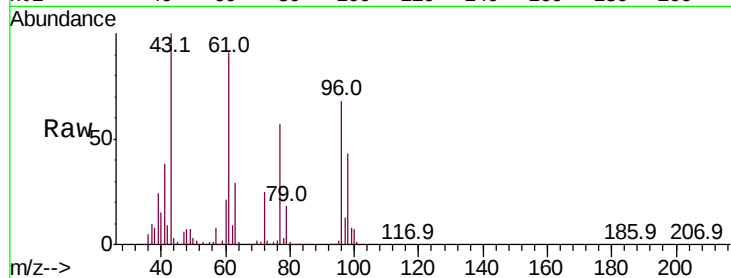
72 25.0 20.0 30.0

Manual Integrations

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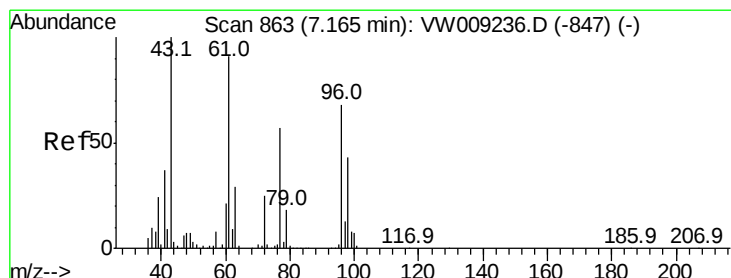
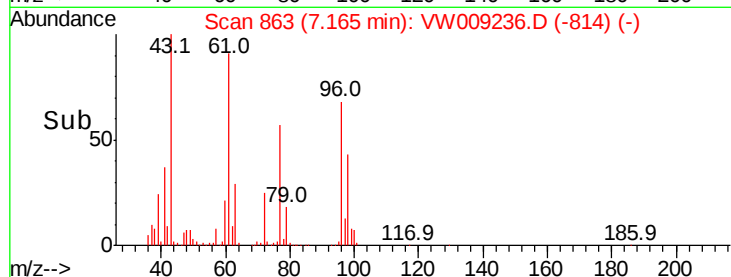
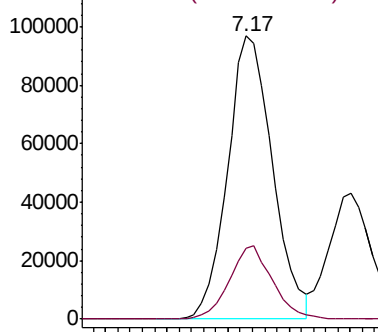
MMDadoda

3/22/2019 3:53:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 47.900 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009236.D

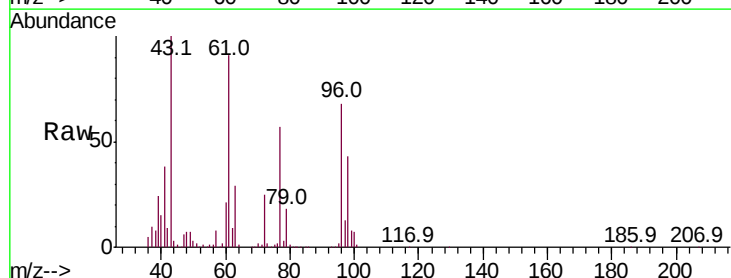
Acq: 19 Mar 2019 12:18

Tgt Ion: 77 Resp: 157561

Ion Ratio Lower Upper

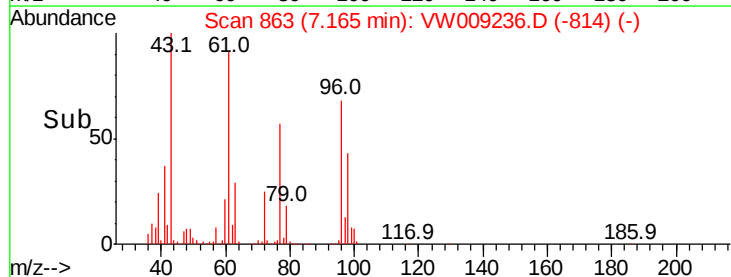
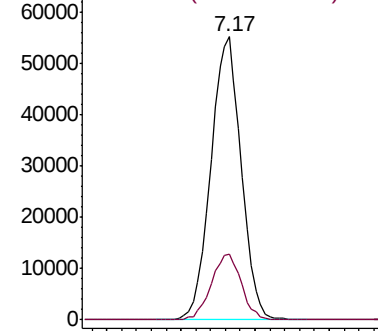
77 100

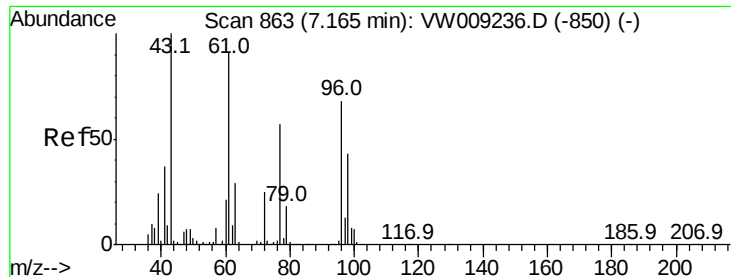
97 23.1 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

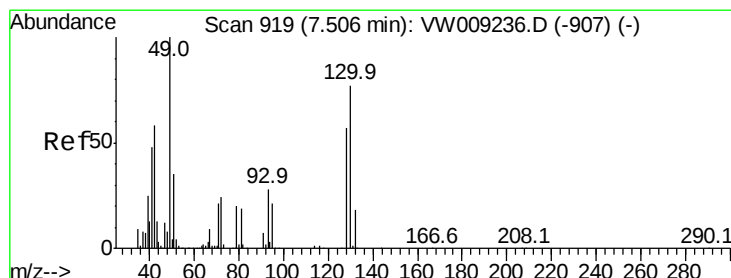
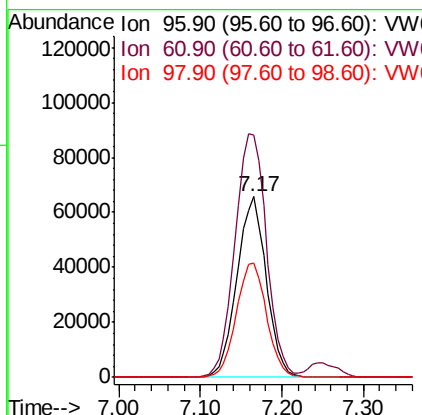
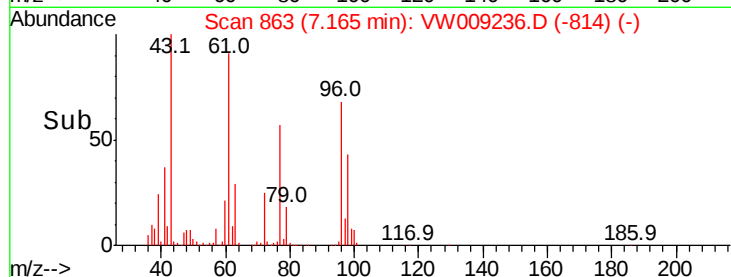
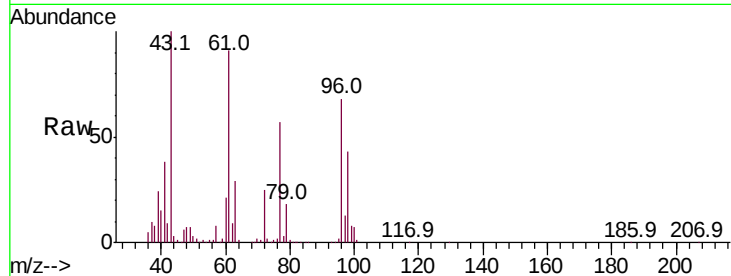
cis-1,2-Dichloroethene
Concen: 48.974 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	144.9	0.0	289.8
98	65.4	0.0	130.8

Manual Integrations
APPROVED

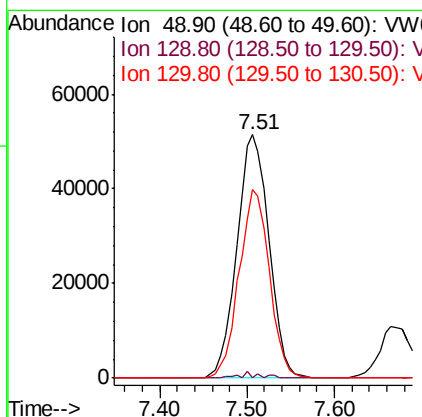
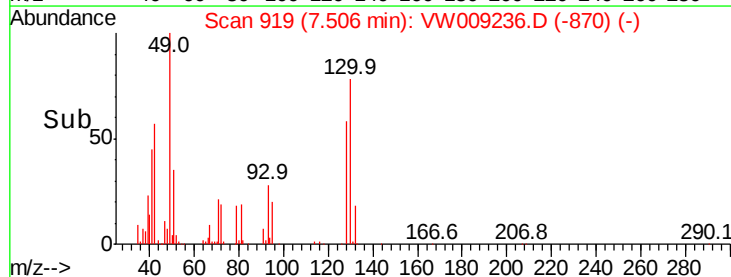
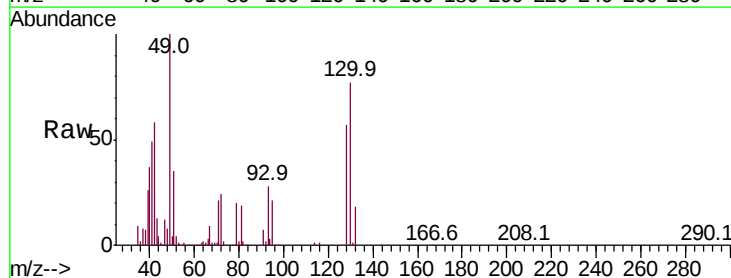
MMDadoda
3/22/2019 3:53:00 AM

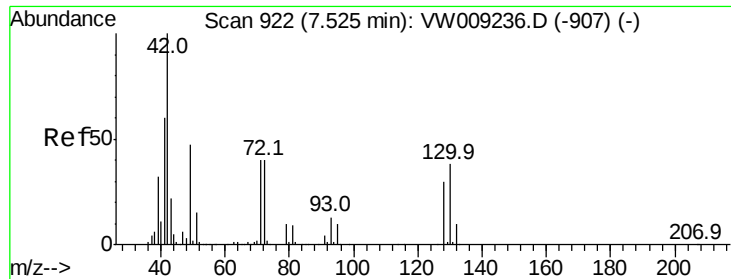


#28

Bromochloromethane
Concen: 50.730 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	0.7	0.0	1.4
130	73.3	58.6	88.0





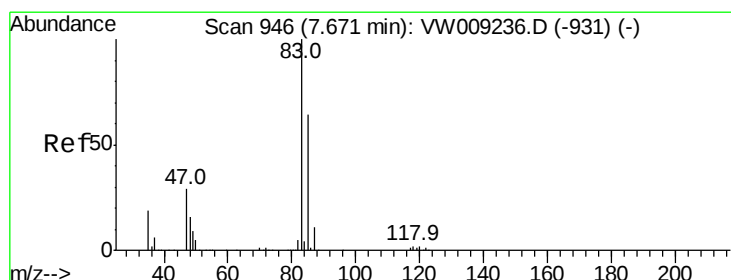
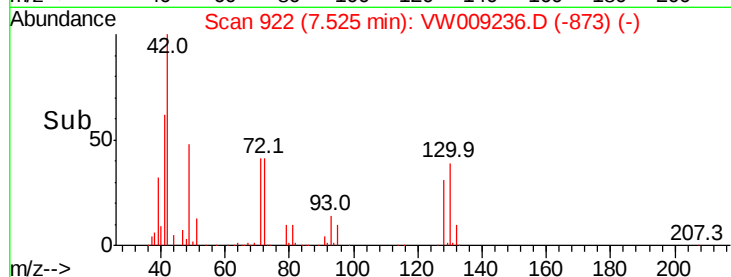
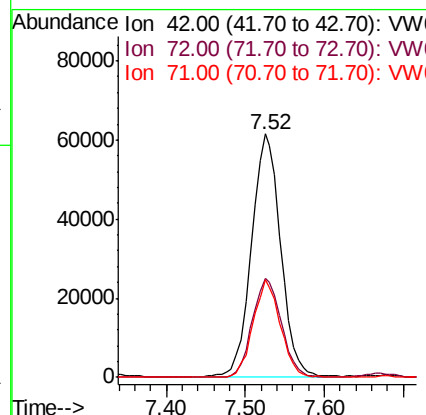
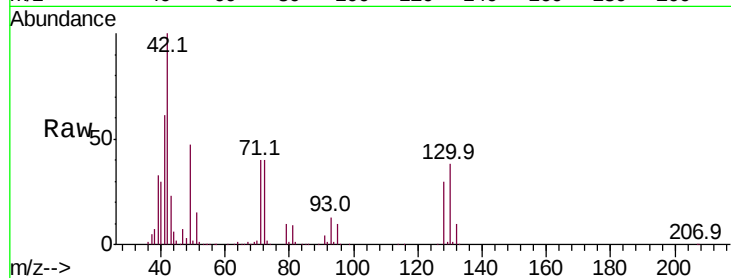
#29
Tetrahydrofuran
Concen: 251.883 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.4	48.6
71	37.6	30.1	45.1

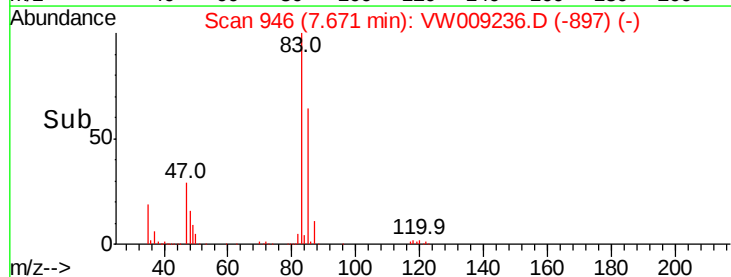
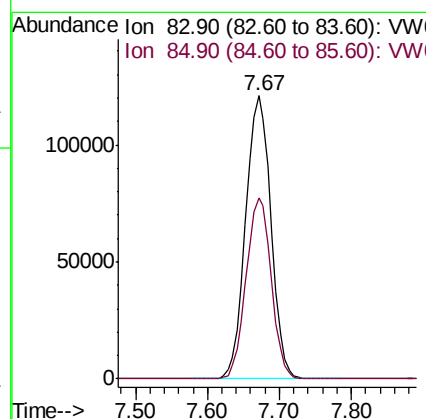
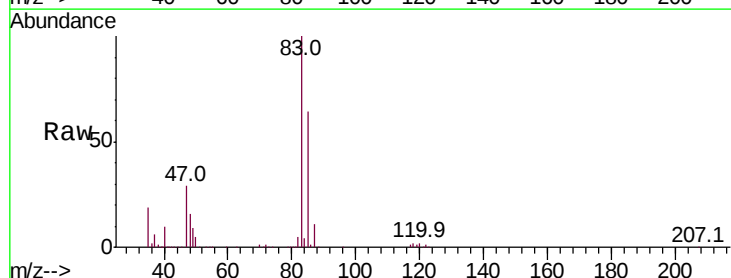
Manual Integrations
APPROVED

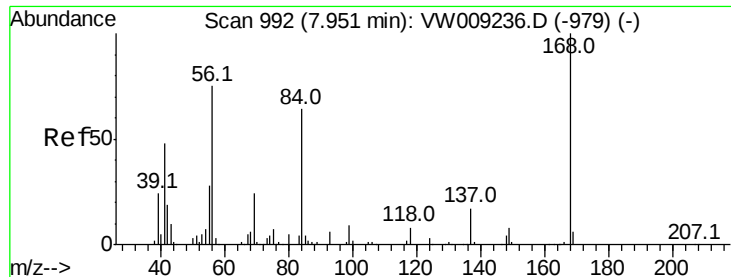
MMDadoda
3/22/2019 3:53:00 AM



#30
Chloroform
Concen: 48.062 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6





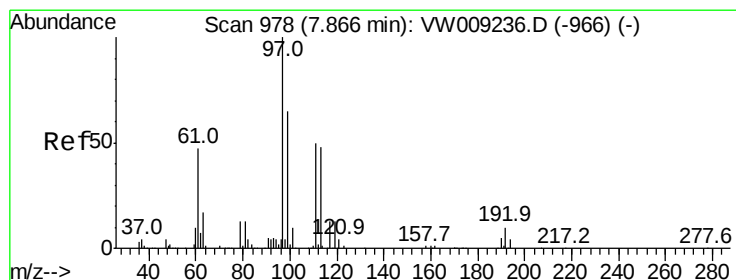
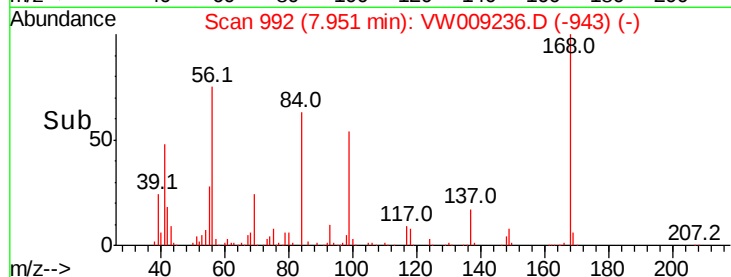
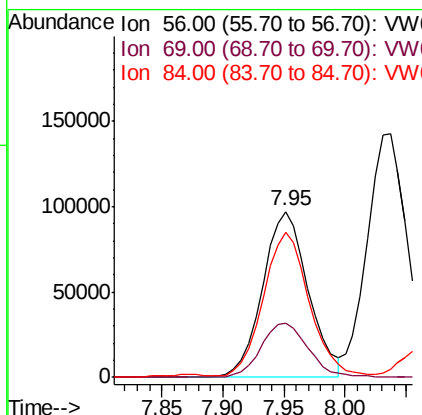
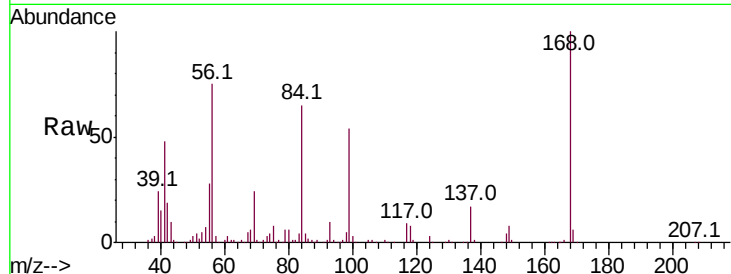
#31
Cyclohexane
Concen: 45.905 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.1	39.1
84	85.8	68.6	103.0

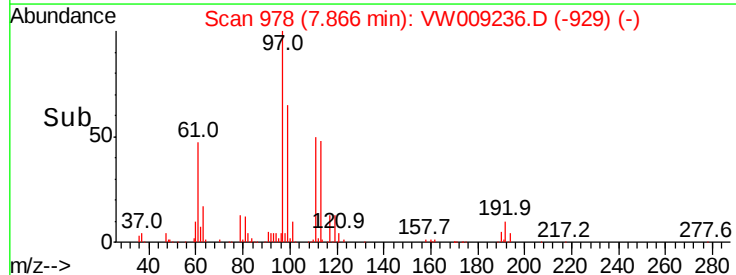
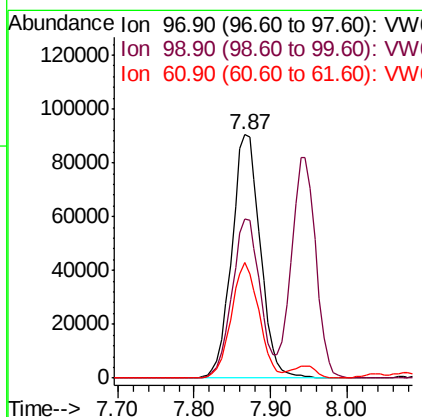
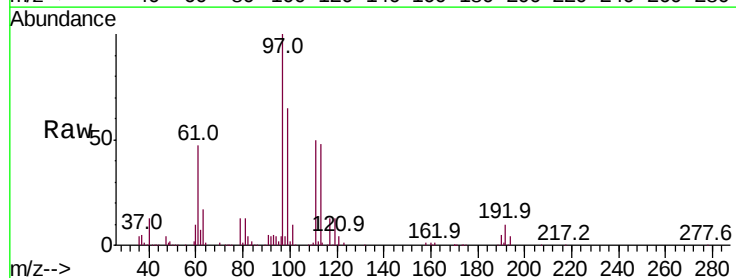
Manual Integrations
APPROVED

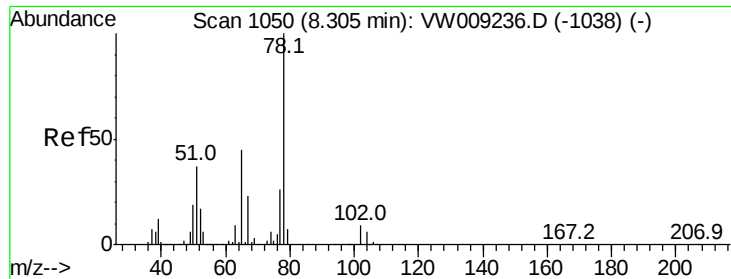
MMDadoda
3/22/2019 3:53:00 AM



#32
1,1,1-Trichloroethane
Concen: 47.684 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	46.0	36.8	55.2





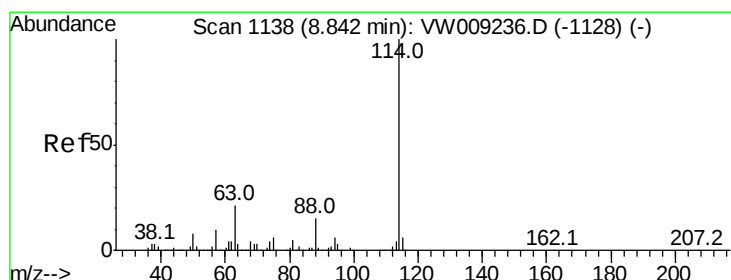
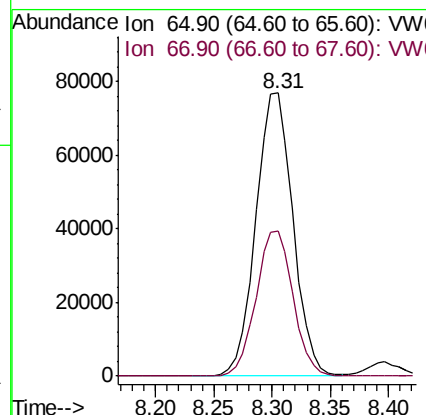
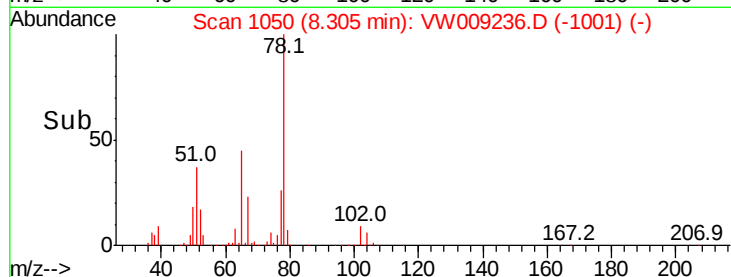
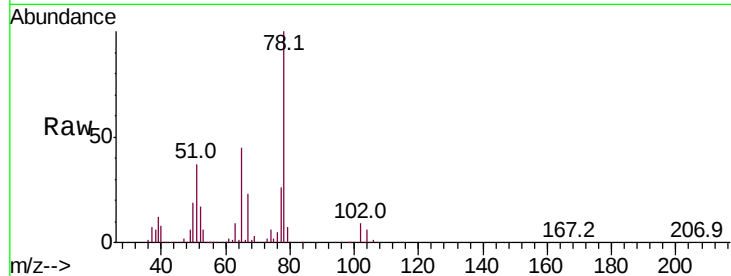
#33
 1,2-Dichloroethane-d4
 Concen: 51.181 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.4

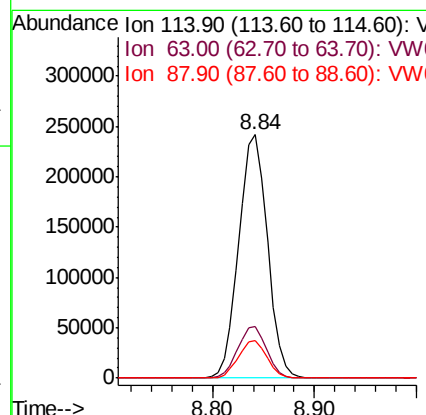
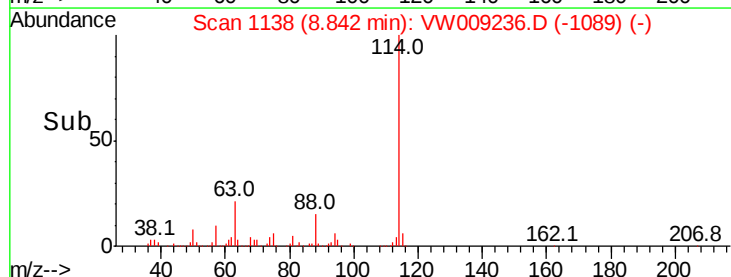
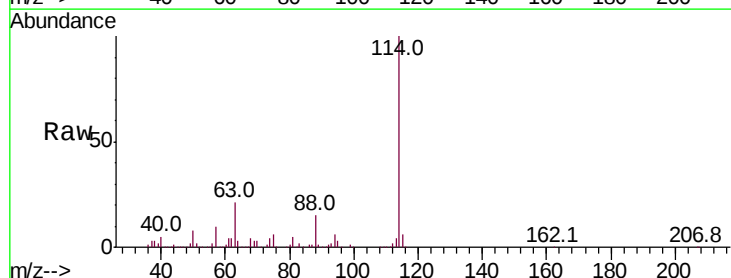
Manual Integrations
 APPROVED

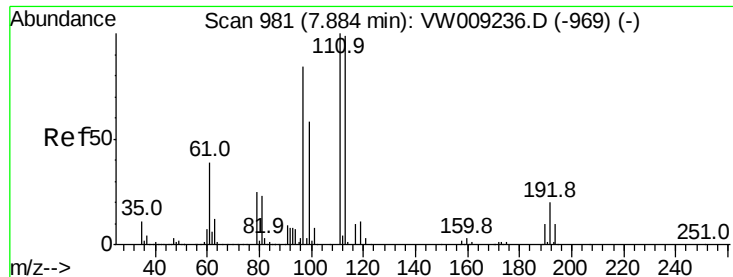
MMDadoda
 3/22/2019 3:53:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.2
88	15.4	0.0	30.8





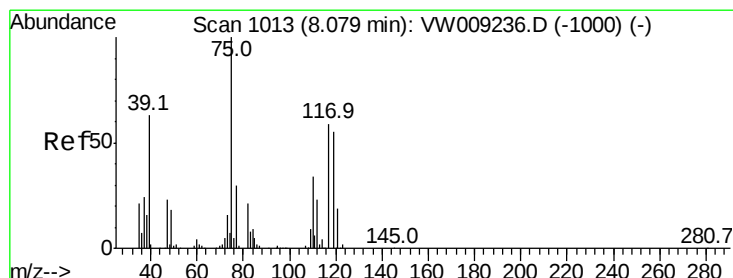
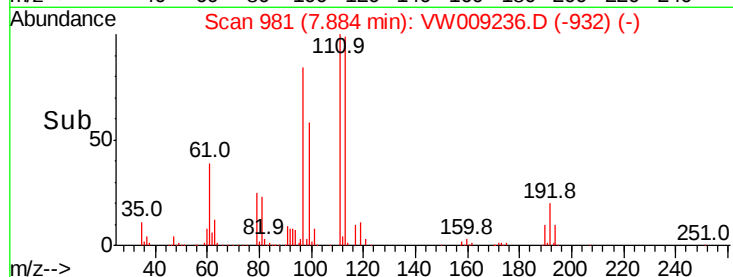
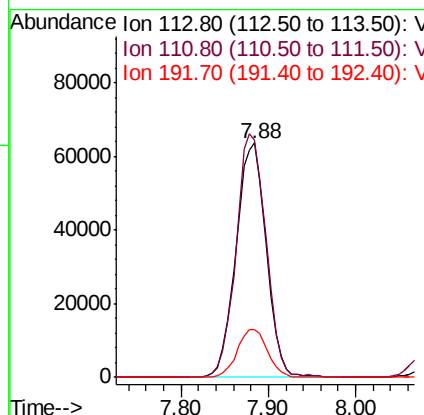
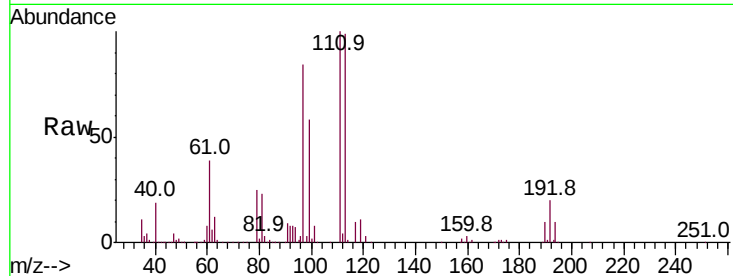
#35
Dibromofluoromethane
Concen: 51.052 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152437		
111	103.3	82.6	124.0	
192	20.5	16.4	24.6	

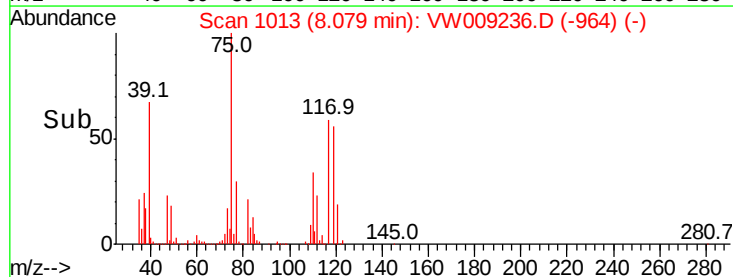
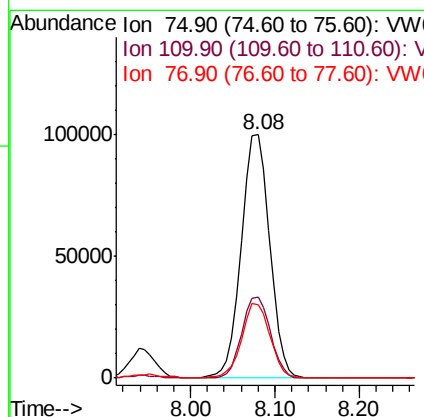
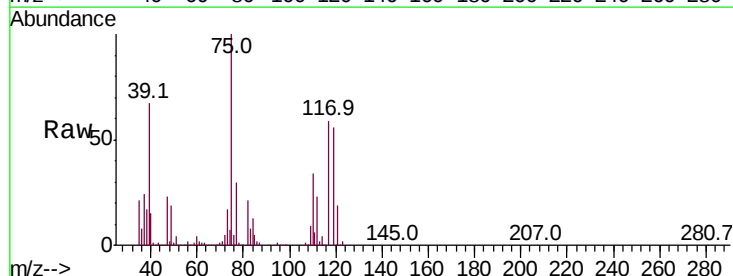
Manual Integrations
APPROVED

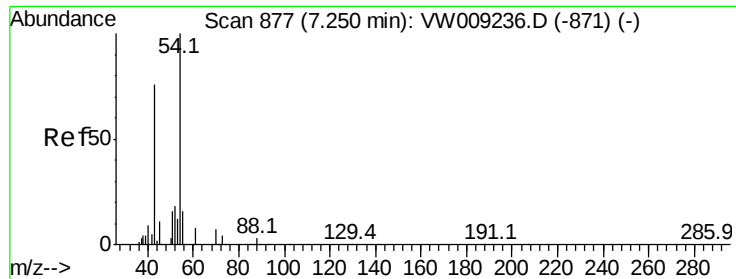
MMDadoda
3/22/2019 3:53:00 AM



#36
1,1-Dichloropropene
Concen: 48.536 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	227344		
110	33.6	16.8	50.4	
77	30.7	24.6	36.8	





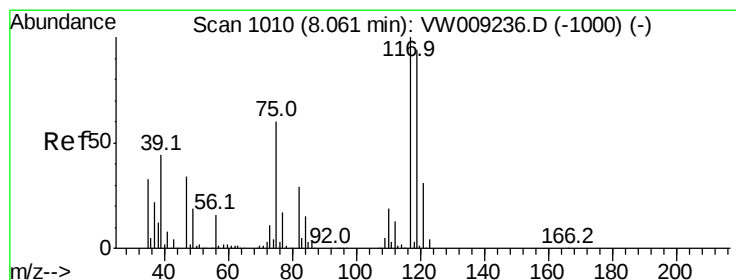
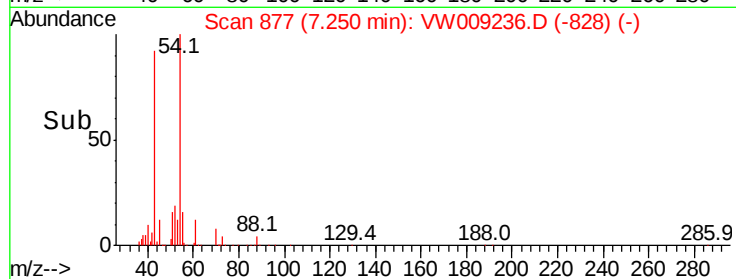
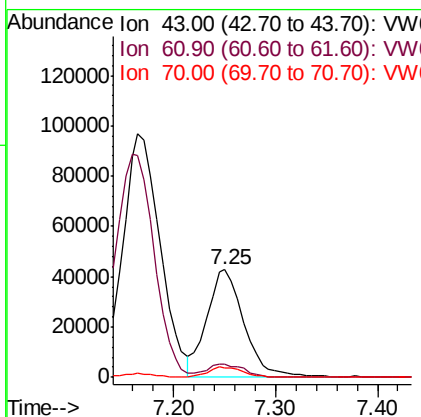
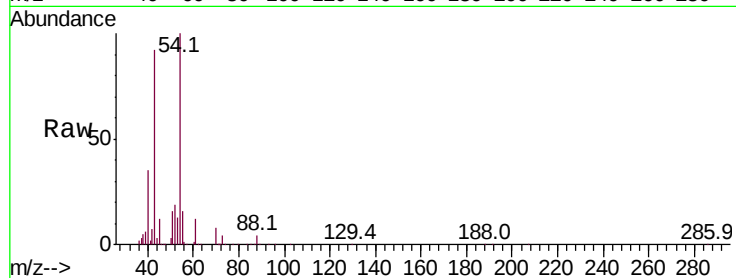
#37
Ethyl Acetate
Concen: 50.259 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.0	15.0
70	9.1	7.3	10.9

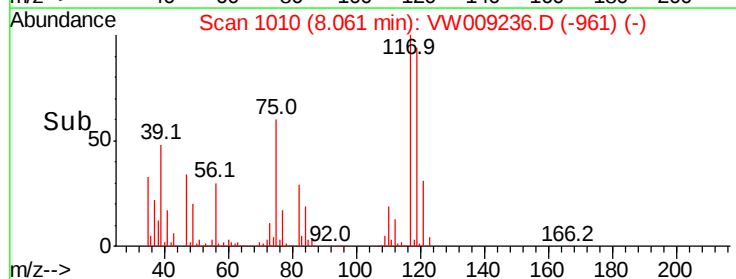
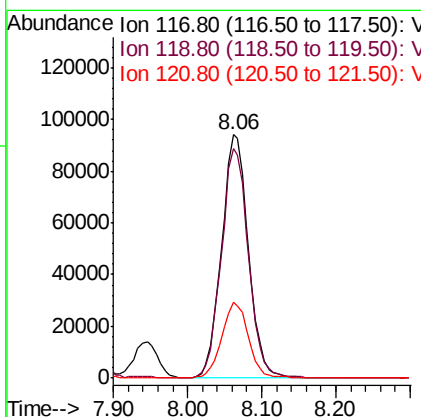
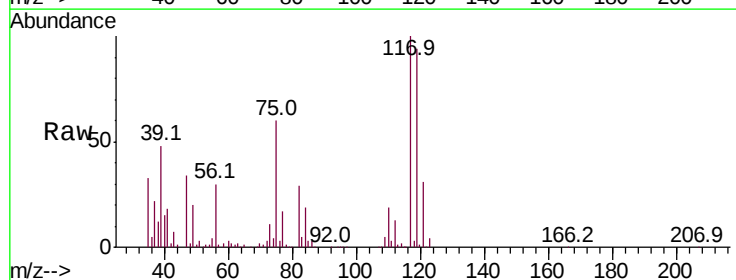
Manual Integrations
APPROVED

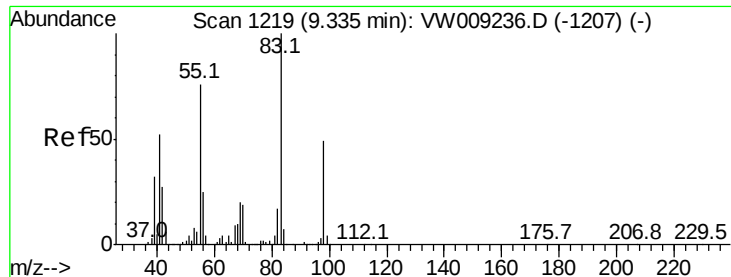
MMDadoda
3/22/2019 3:53:00 AM



#38
Carbon Tetrachloride
Concen: 47.696 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
121	31.1	24.9	37.3





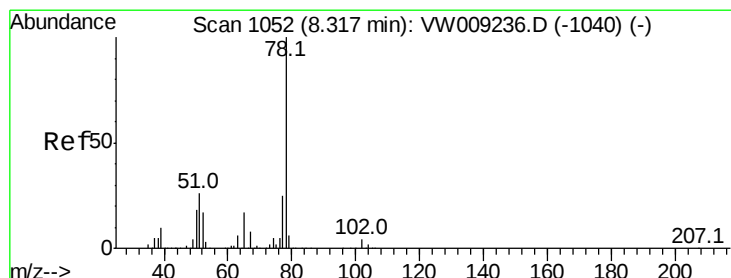
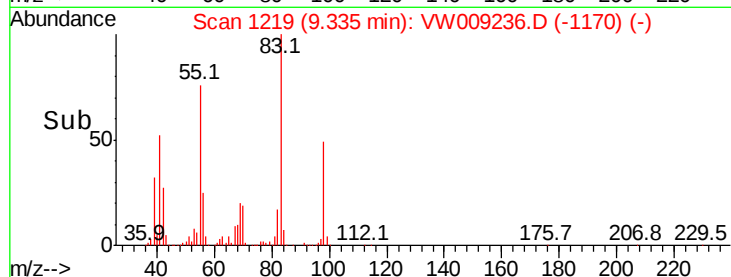
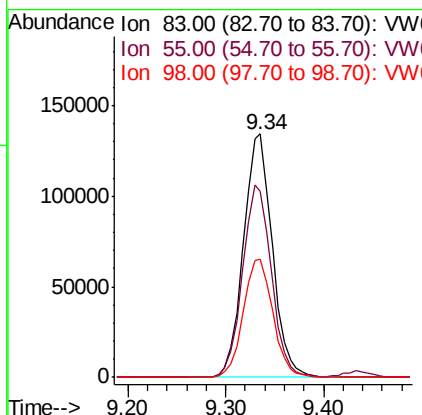
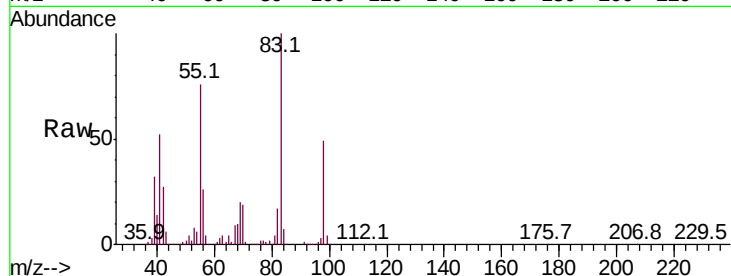
#39
Methvlcvclohexane
Concen: 50.683 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.1	91.7
98	48.7	39.0	58.4

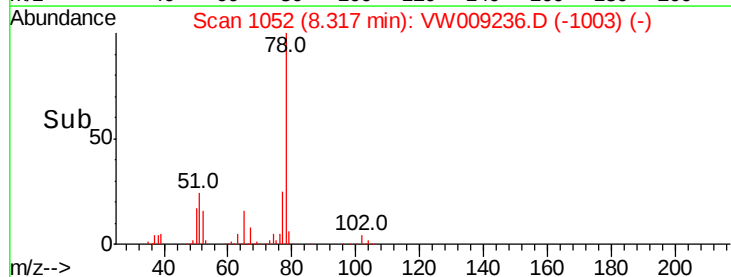
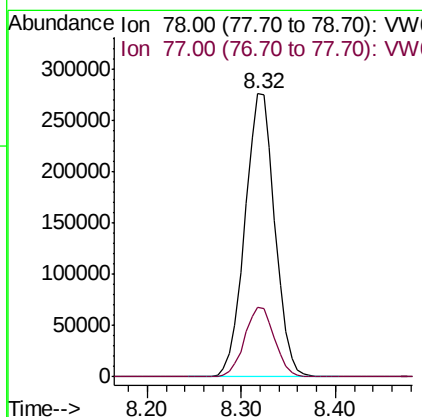
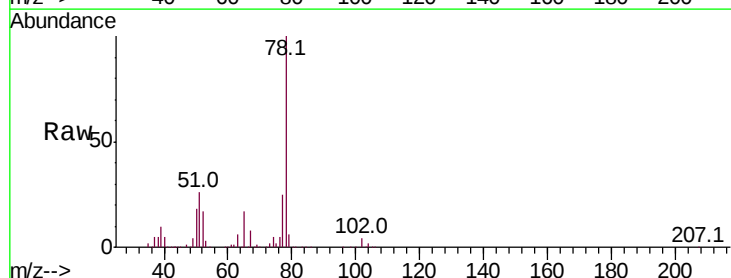
Manual Integrations
APPROVED

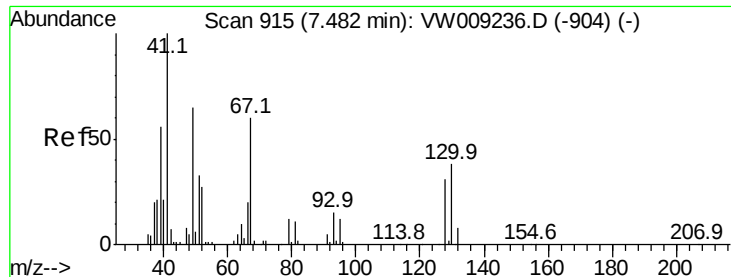
MMDadoda
3/22/2019 3:53:00 AM



#40
Benzene
Concen: 48.376 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.6





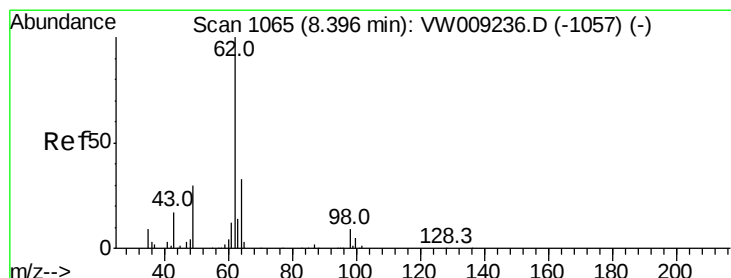
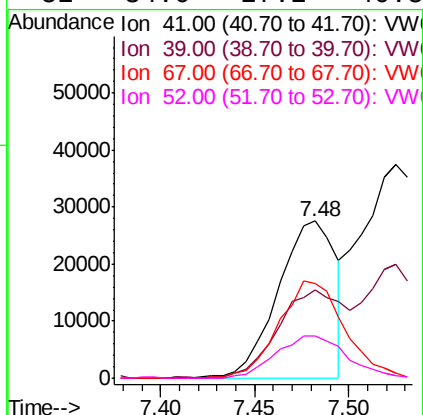
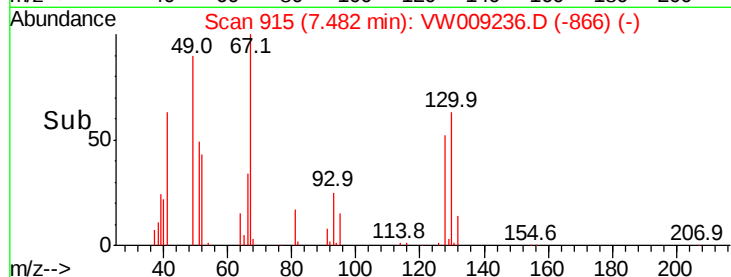
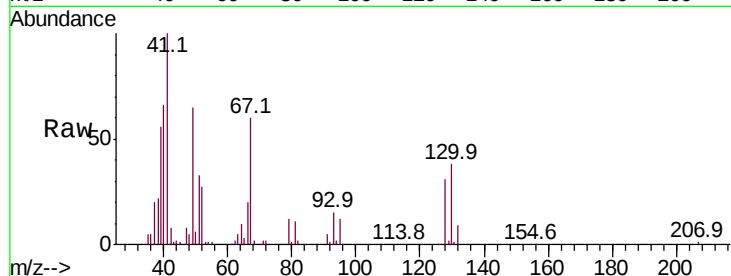
#41
Methacrylonitrile
Concen: 50.761 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.6	52.5	78.7
67	70.7	56.6	84.8
52	34.0	27.2	40.8

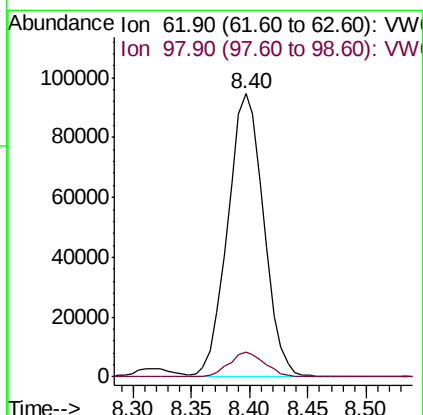
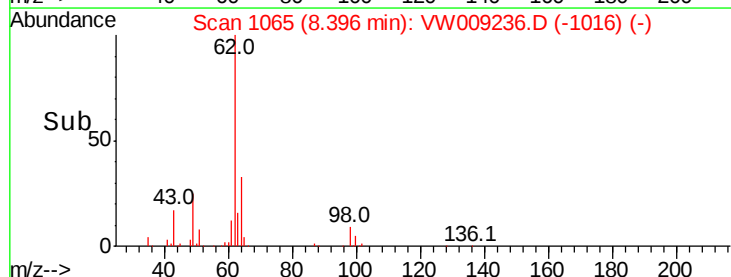
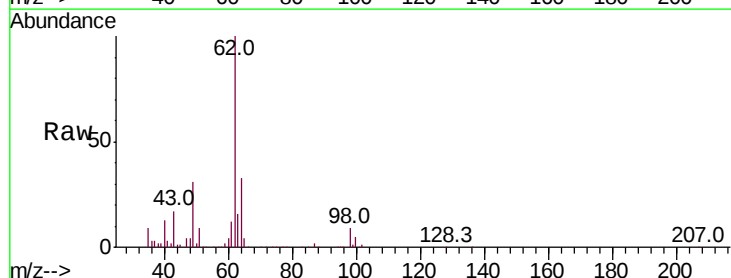
Manual Integrations
APPROVED

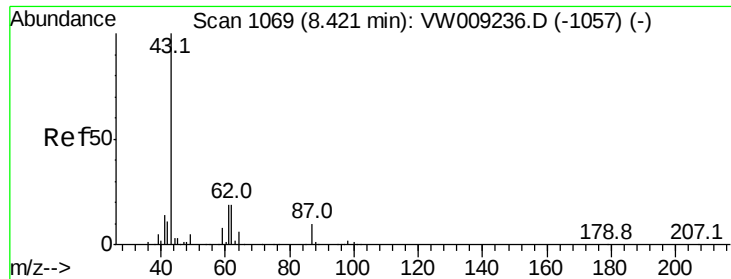
MMDadoda
3/22/2019 3:53:00 AM



#42
1,2-Dichloroethane
Concen: 48.886 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 49.656 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

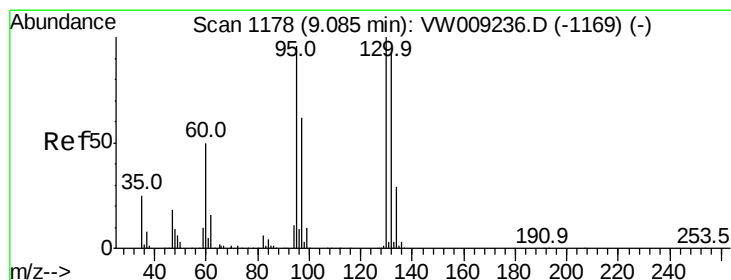
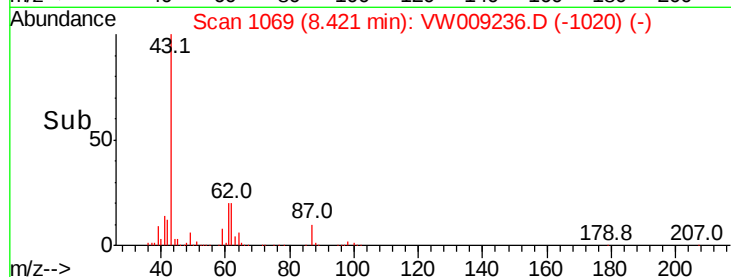
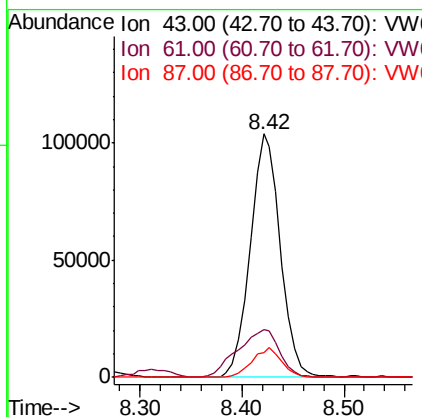
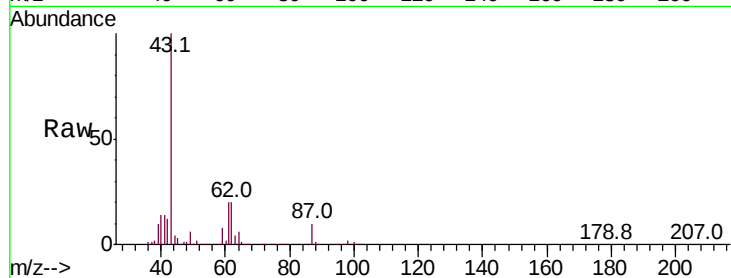
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	212526
Ion	Ratio	Lower	Upper
43	100		
61	27.7	22.2	33.2
87	12.0	9.6	14.4

Manual Integrations
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3/22/2019 3:53:00 AM



#44

Trichloroethene

Concen: 48.390 ug/l

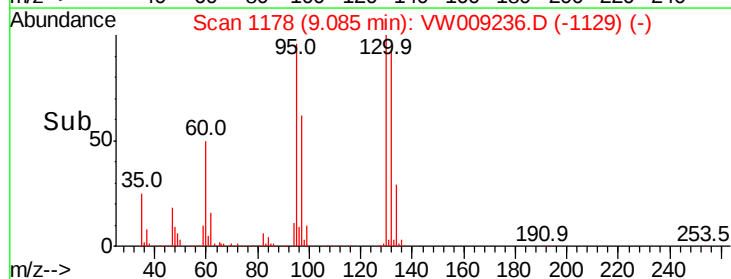
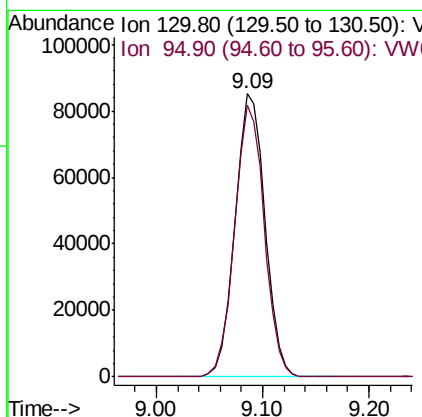
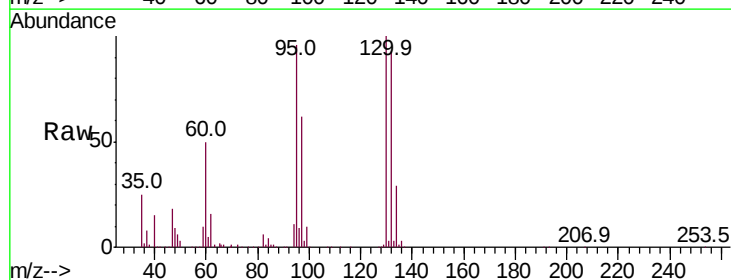
RT: 9.09 min Scan# 1178

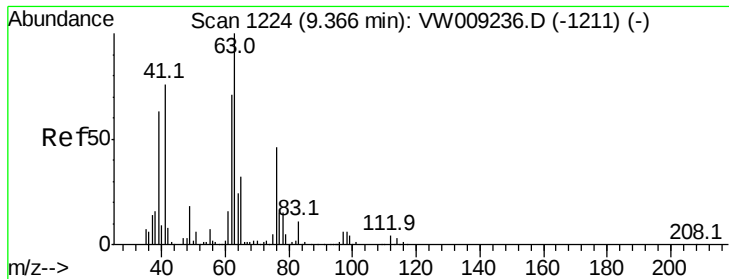
Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Tgt Ion:	130	Resp:	168380
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	192.6





#45

1,2-Dichloropropane

Concen: 48.798 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 157568

Ion Ratio Lower Upper

63 100

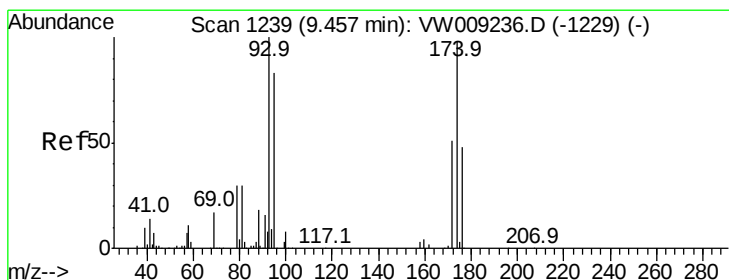
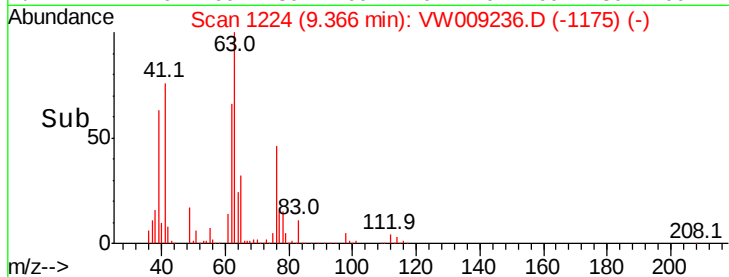
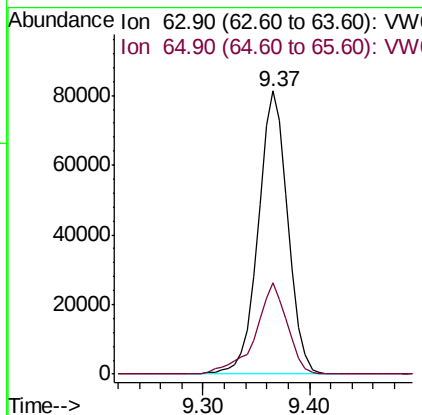
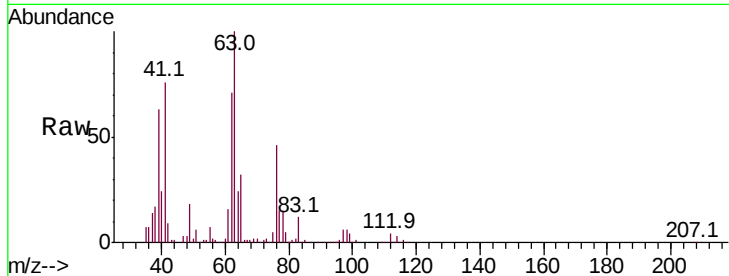
65 32.3 25.8 38.8

Manual Integrations

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MMDadoda

3/22/2019 3:53:00 AM



#46

Dibromomethane

Concen: 48.422 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

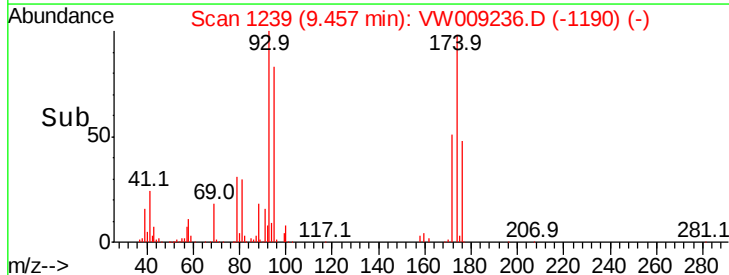
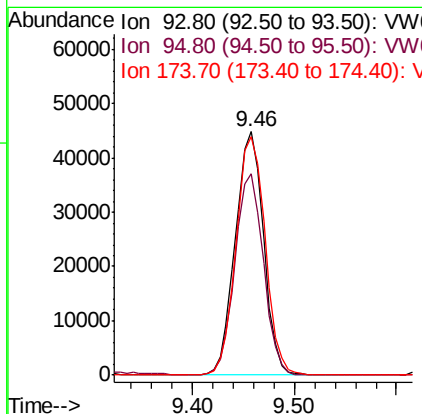
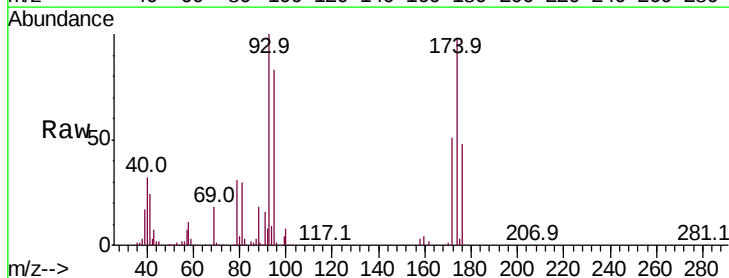
Tgt Ion: 93 Resp: 85979

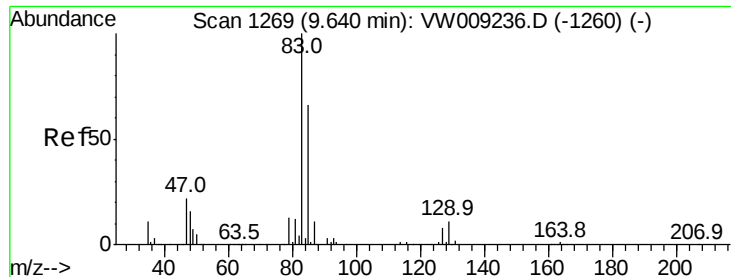
Ion Ratio Lower Upper

93 100

95 83.6 66.9 100.3

174 101.0 80.8 121.2





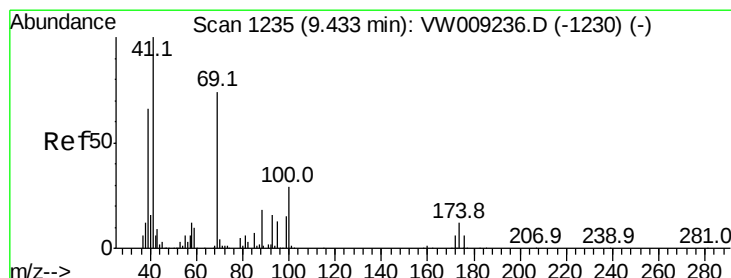
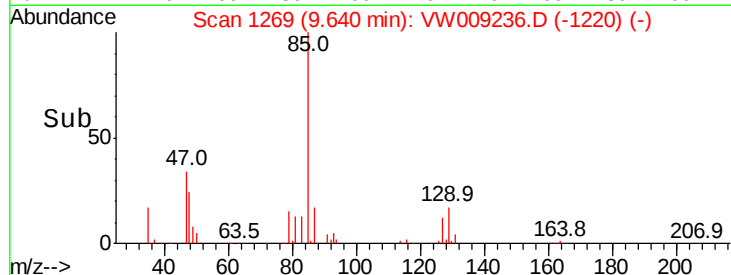
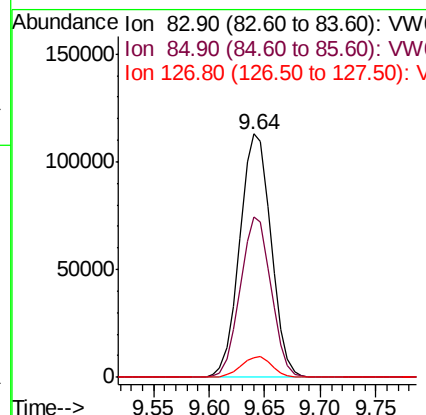
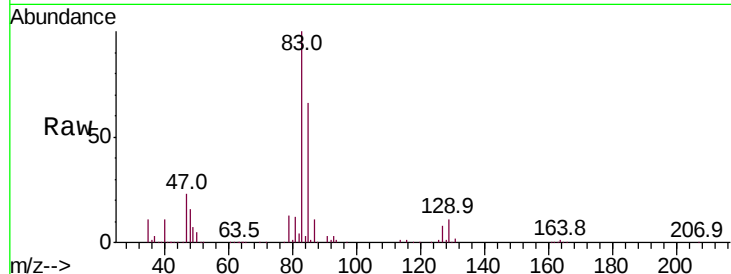
#47
Bromodichloromethane
Concen: 49.053 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	220100		
85	65.8	52.6	79.0	
127	8.1	6.5	9.7	

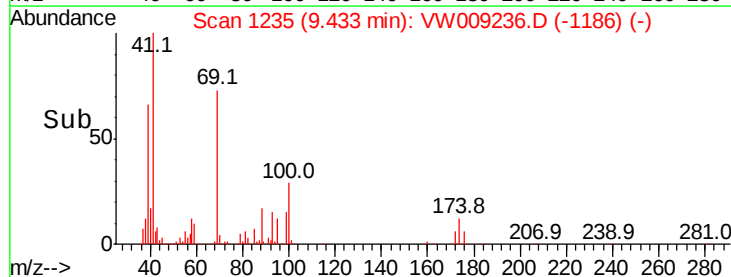
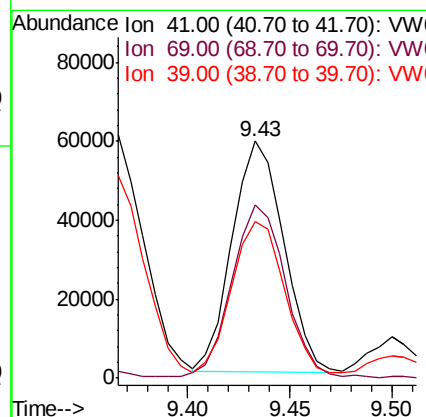
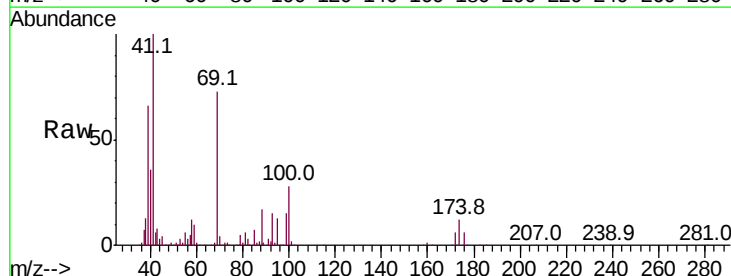
Manual Integrations
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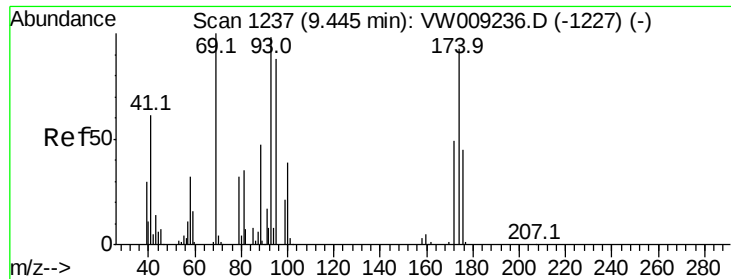
MMDadoda
3/22/2019 3:53:00 AM



#48
Methyl methacrylate
Concen: 51.768 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	102581		
69	78.8	63.0	94.6	
39	71.5	57.2	85.8	





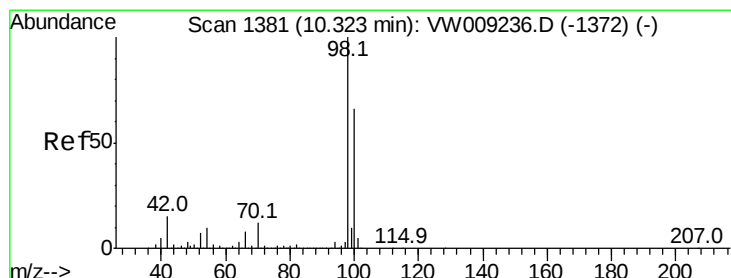
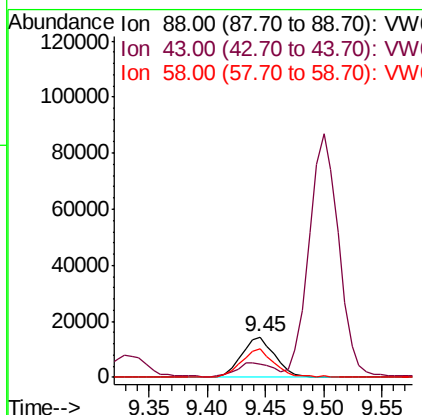
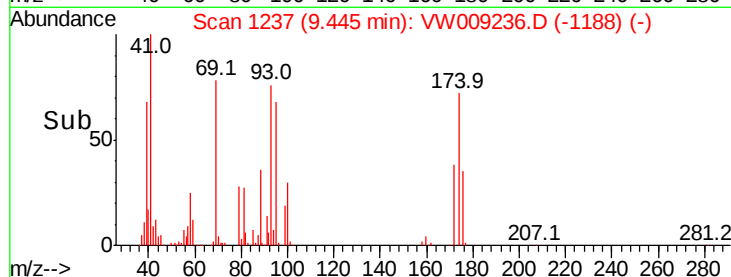
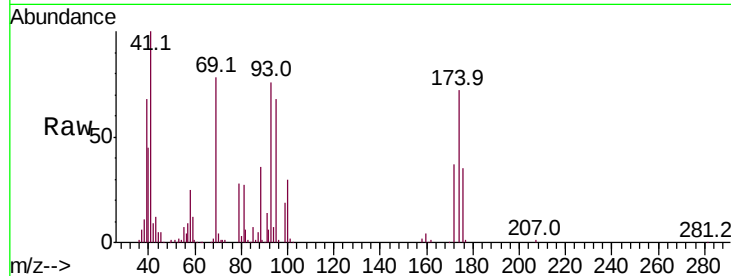
#49
1,4-Dioxane
Concen: 1042.044 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.7	44.5
58	72.6	58.1	87.1

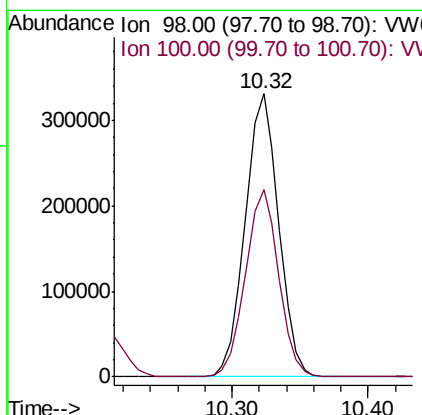
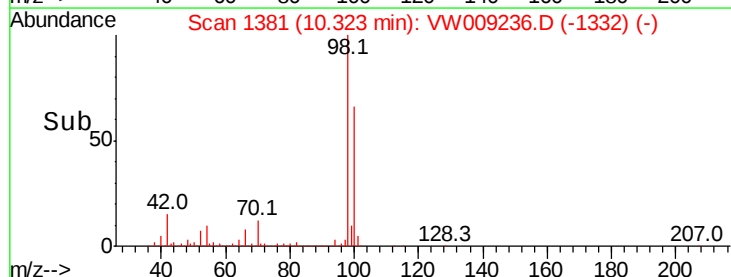
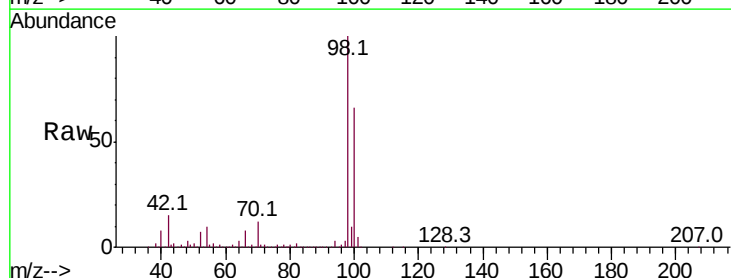
Manual Integrations
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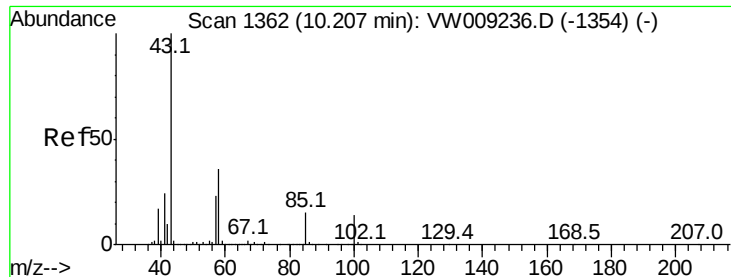
MMDadoda
3/22/2019 3:53:00 AM



#50
Toluene-d8
Concen: 52.590 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 255.164 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 569151

Ion Ratio Lower Upper

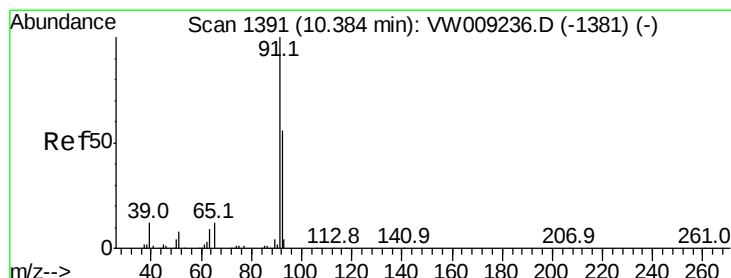
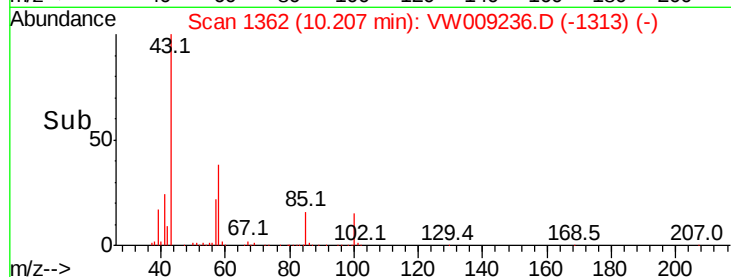
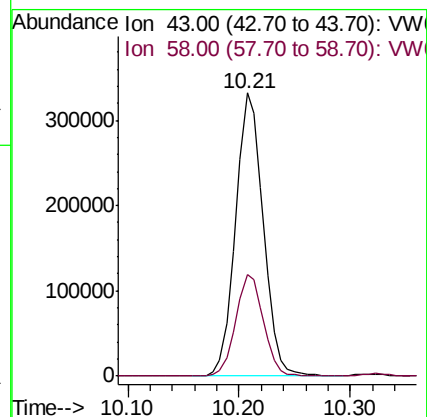
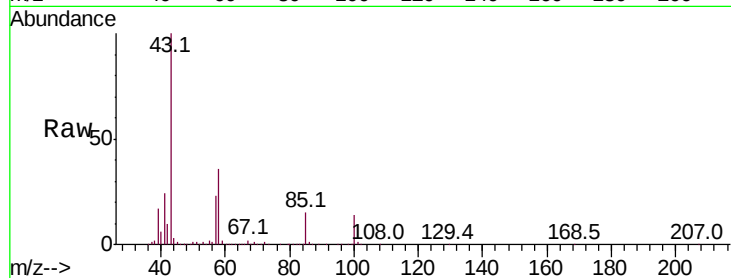
43 100

58 35.7 28.6 42.8

Manual Integrations
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MMDadoda

3/22/2019 3:53:00 AM



#52

Toluene

Concen: 49.060 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009236.D

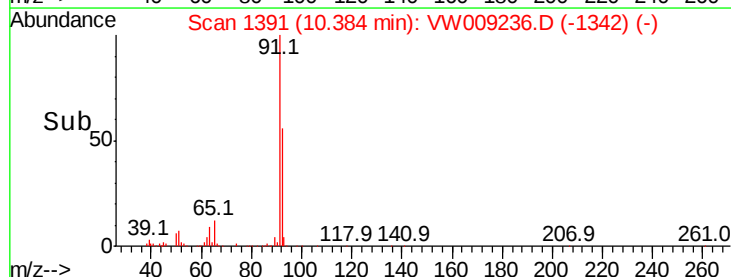
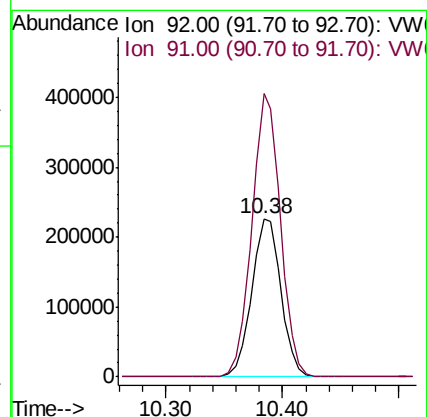
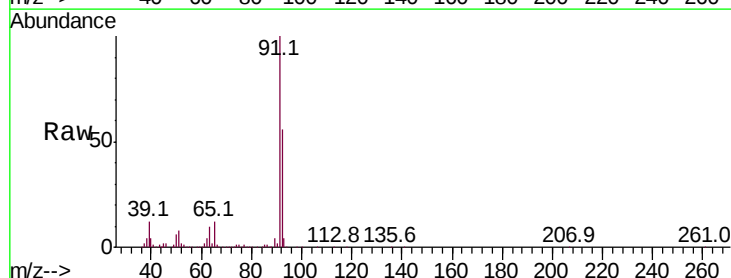
Acq: 19 Mar 2019 12:18

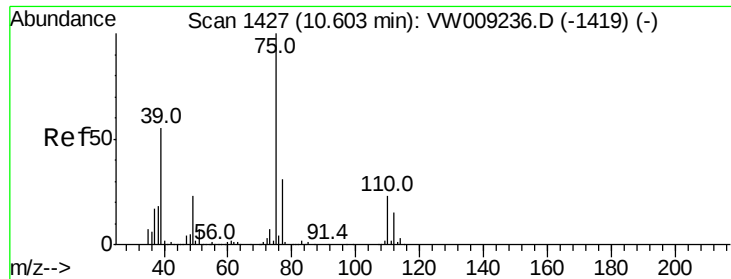
Tgt Ion: 92 Resp: 394854

Ion Ratio Lower Upper

92 100

91 175.1 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 50.997 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W

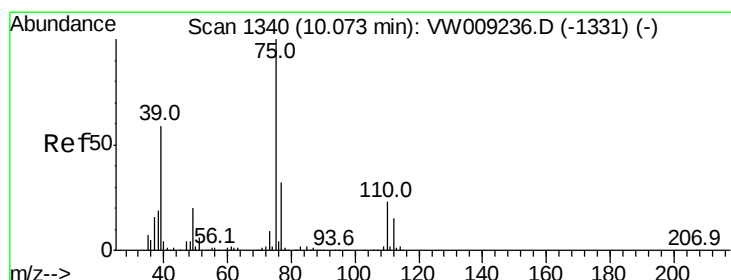
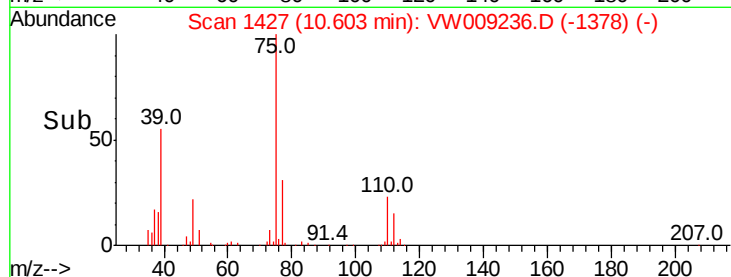
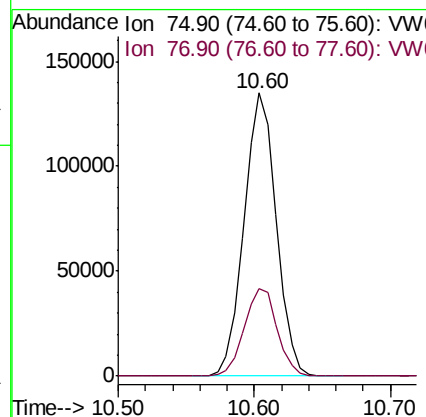
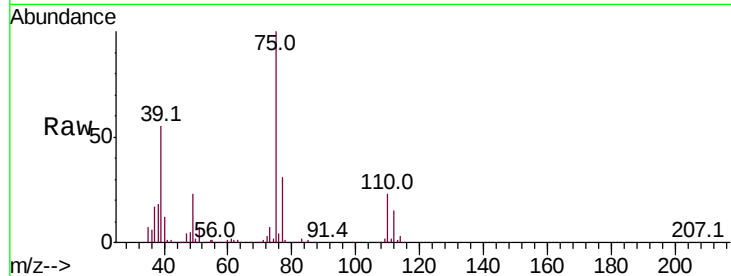
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 223136

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2

Manual Integrations
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MMDadoda
3/22/2019 3:53:00 AM



#54

cis-1,3-Dichloropropene

Concen: 49.796 ug/l

RT: 10.07 min Scan# 1340

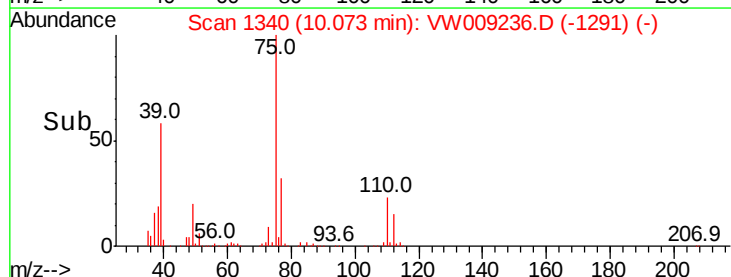
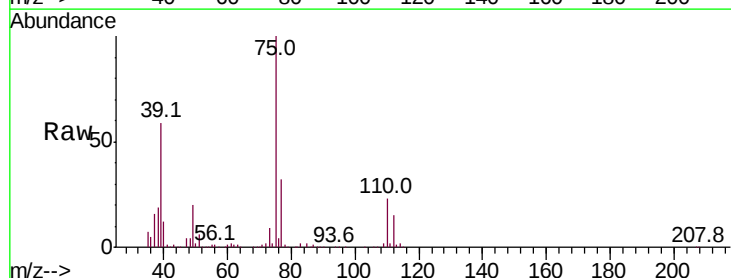
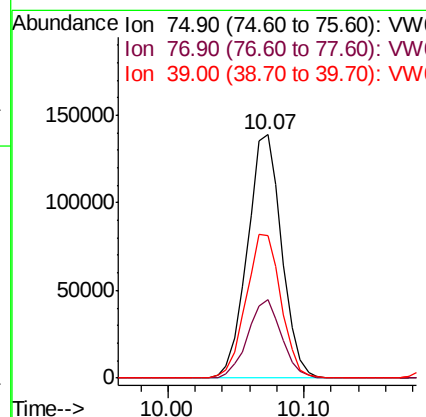
Delta R.T. 0.00 min

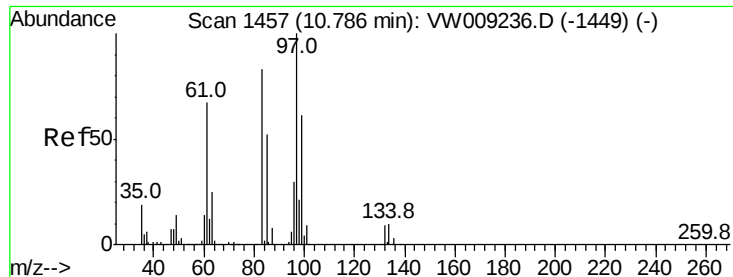
Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Tgt Ion: 75 Resp: 245122

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.9	38.9
39	58.5	46.8	70.2





#55

1,1,2-Trichloroethane

Concen: 49.417 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

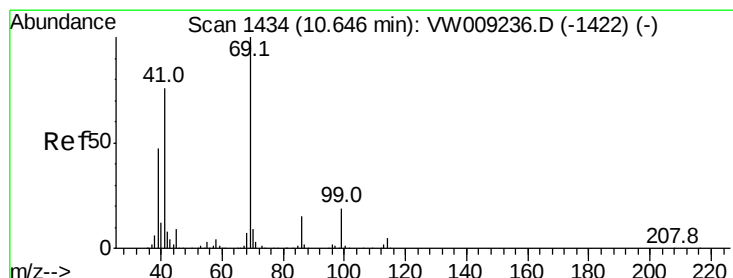
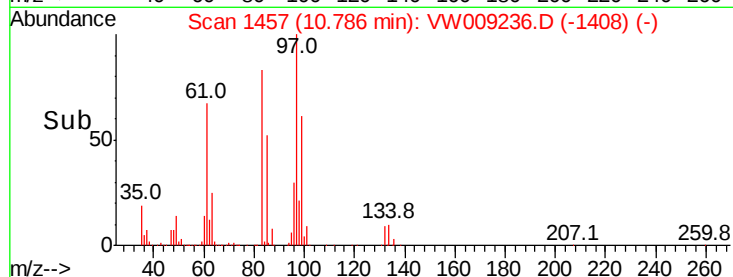
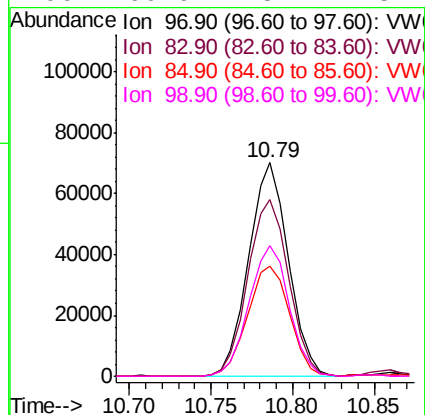
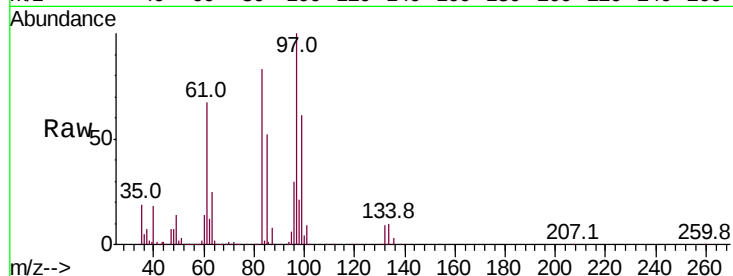
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	118816		
83	82.9	66.3	99.5	
85	51.8	41.4	62.2	
99	60.9	48.7	73.1	

Manual Integrations
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3/22/2019 3:53:00 AM



#56

Ethyl methacrylate

Concen: 52.526 ug/l

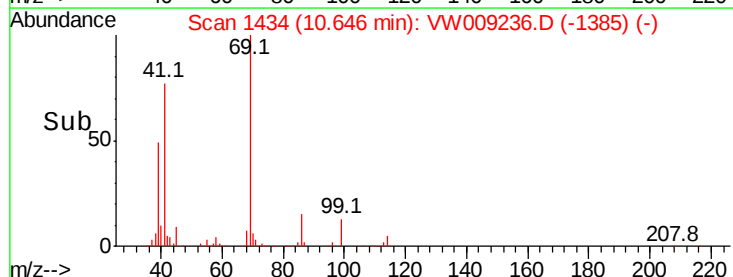
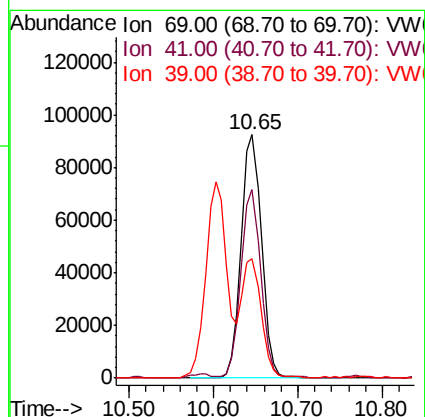
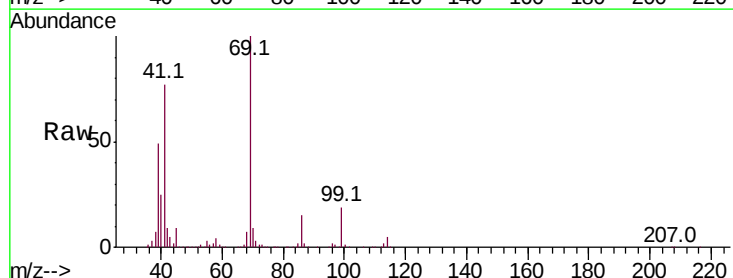
RT: 10.65 min Scan# 1434

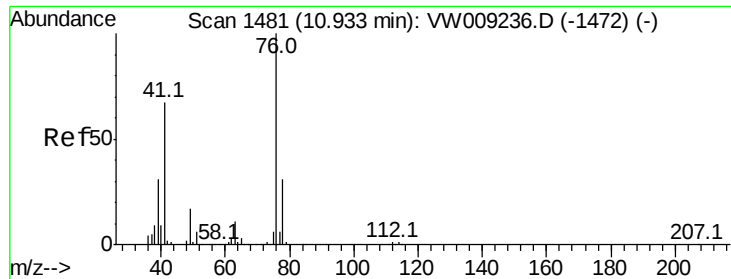
Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	150382		
41	74.1	59.3	88.9	
39	45.2	36.2	54.2	





#57

1,3-Dichloropropane

Concen: 49.869 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

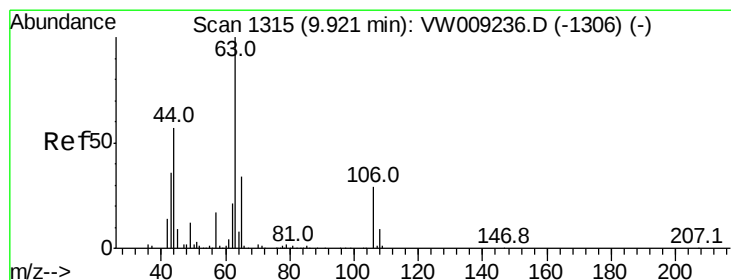
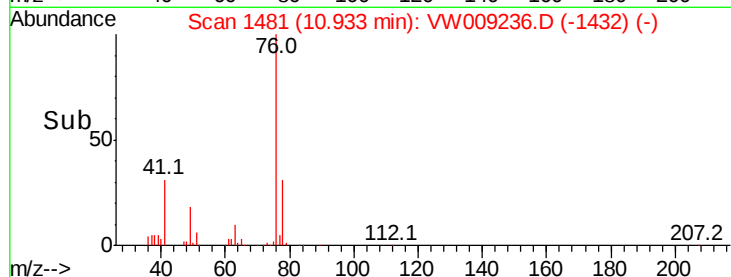
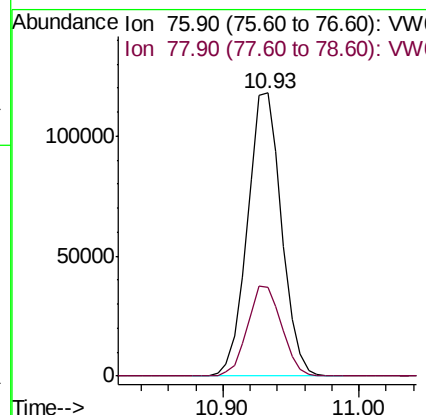
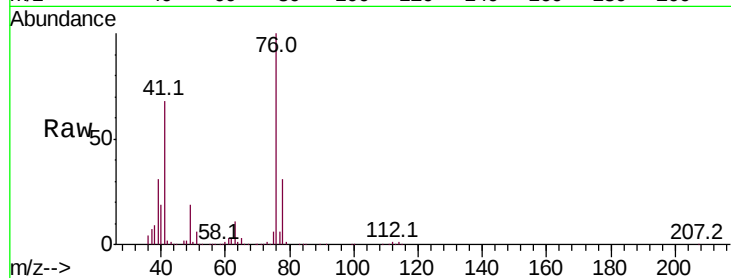
Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 76 Resp: 206804

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

Manual Integrations
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MMDadoda
3/22/2019 3:53:00 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.074 ug/l

RT: 9.92 min Scan# 1315

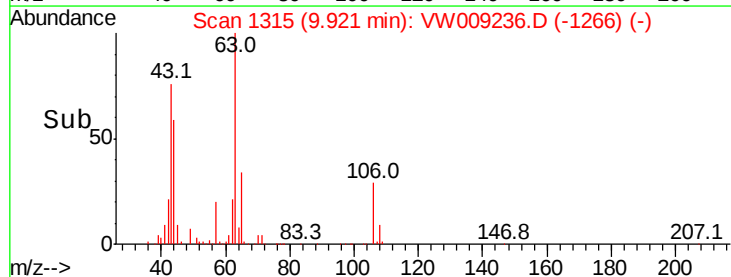
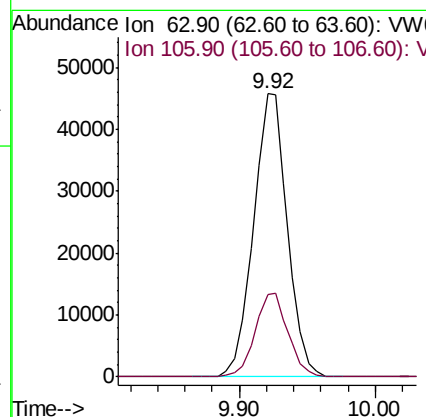
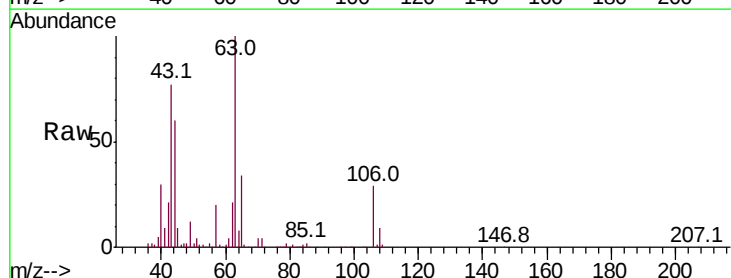
Delta R.T. 0.00 min

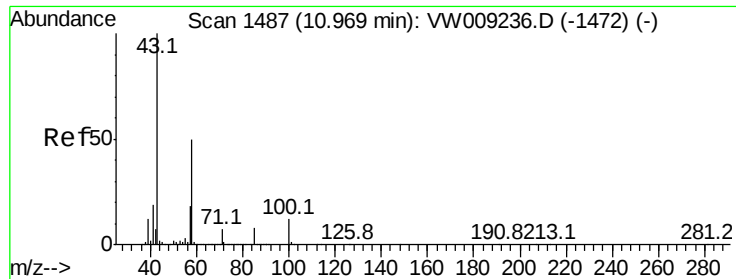
Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Tgt Ion: 63 Resp: 79643

Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.9	34.3





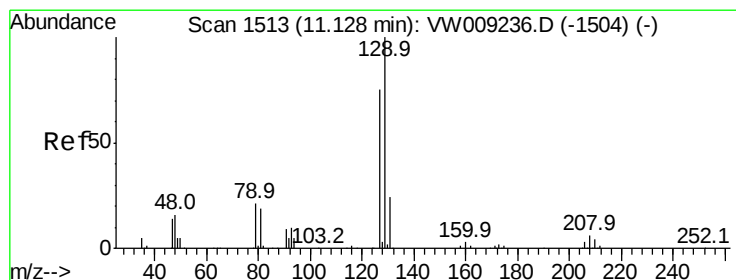
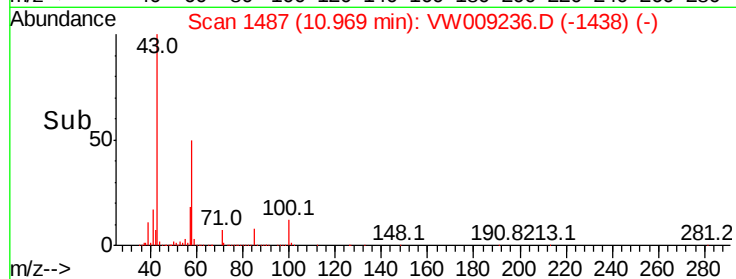
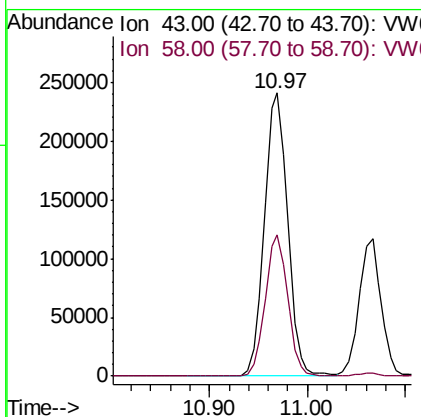
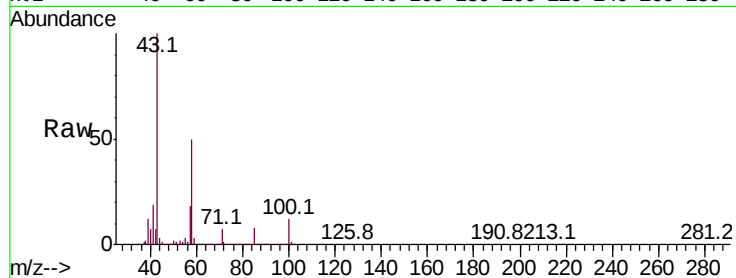
#59
2-Hexanone
Concen: 262.494 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	24.2	72.6

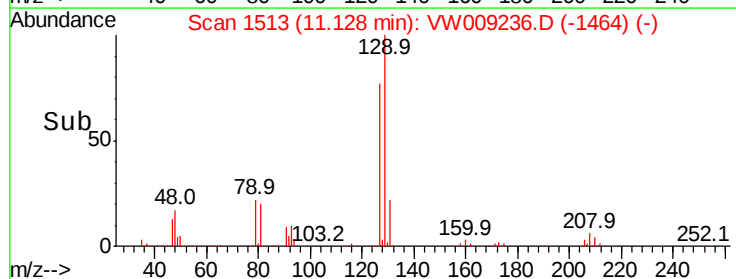
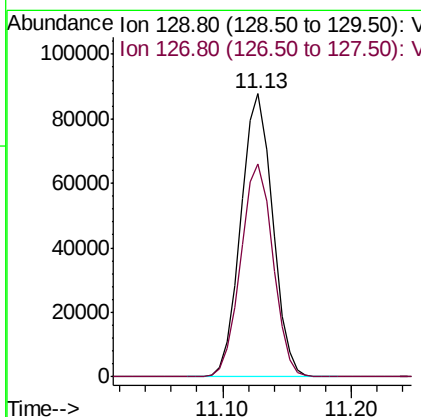
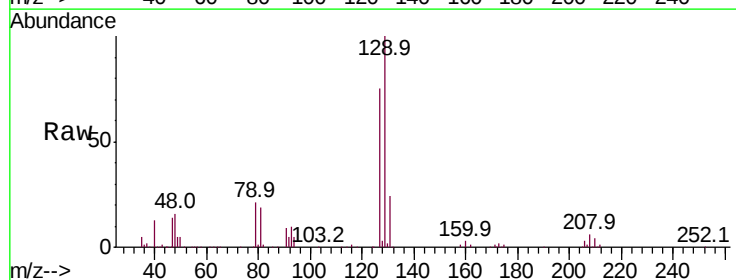
Manual Integrations
APPROVED

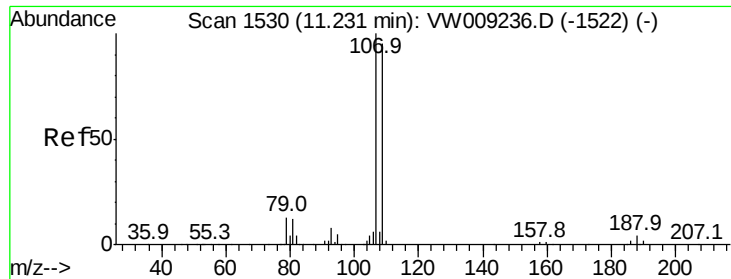
MMDadoda
3/22/2019 3:53:00 AM



#60
Dibromochloromethane
Concen: 50.373 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.1	114.5





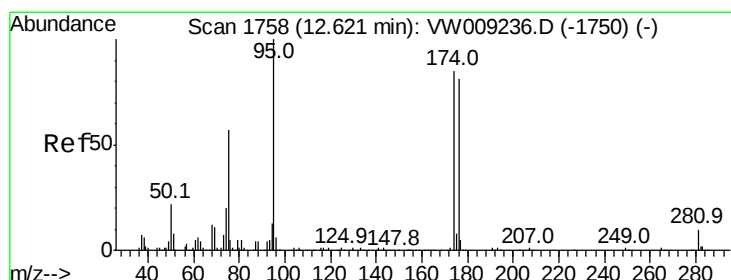
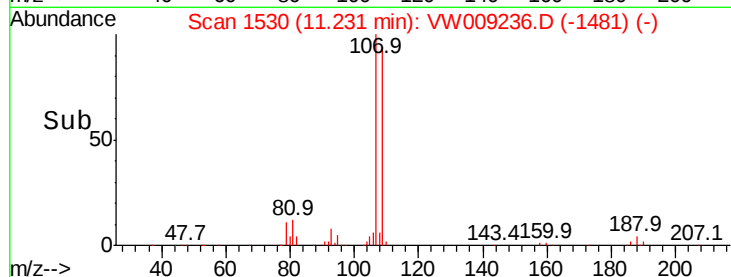
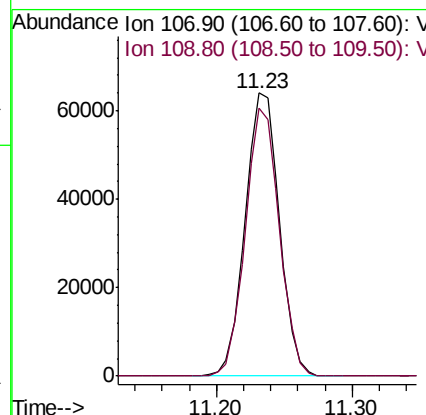
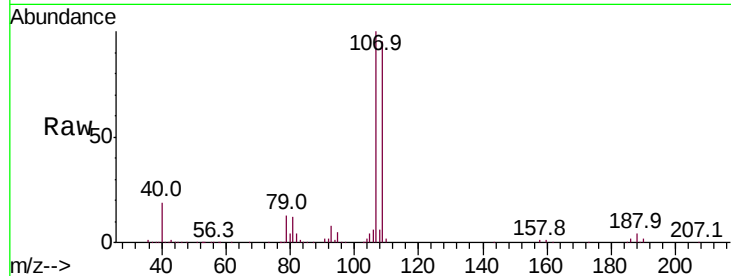
#61
 1,2-Dibromoethane
 Concen: 49.287 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	112866		
109	93.9	75.1	112.7	

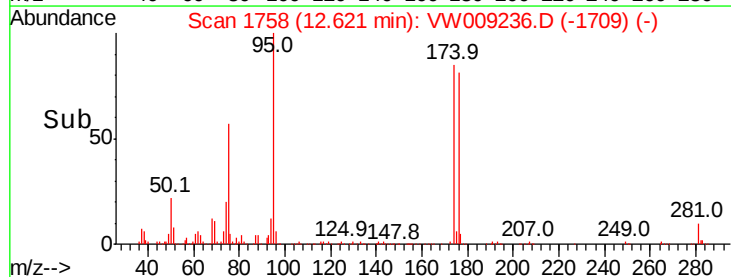
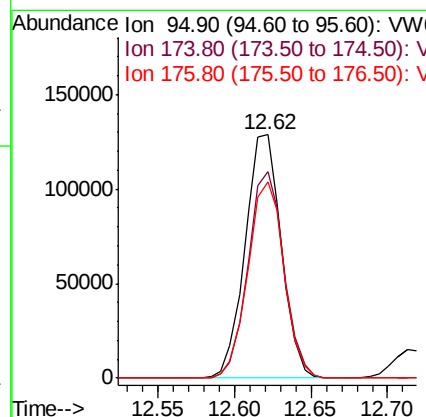
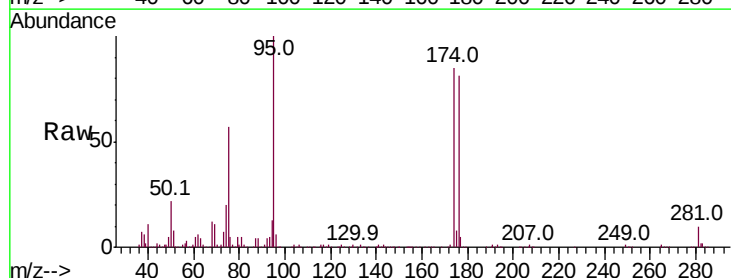
Manual Integrations
 APPROVED

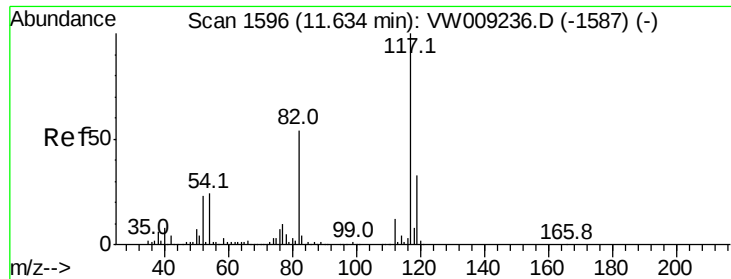
MMDadoda
 3/22/2019 3:53:00 AM



#62
 4-Bromofluorobenzene
 Concen: 52.992 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	211129		
174	84.2	0.0	168.4	
176	80.8	0.0	161.6	





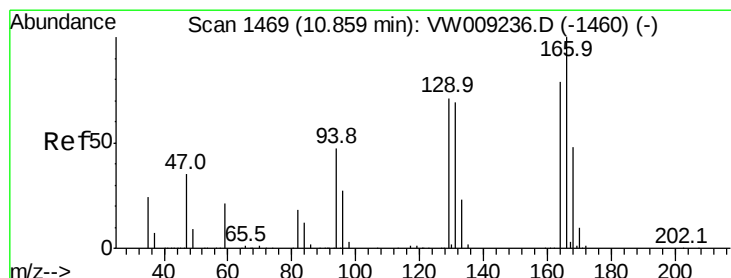
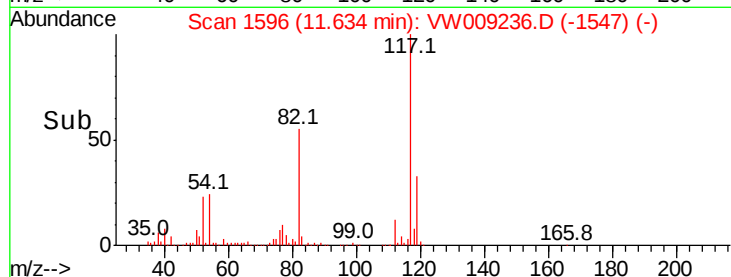
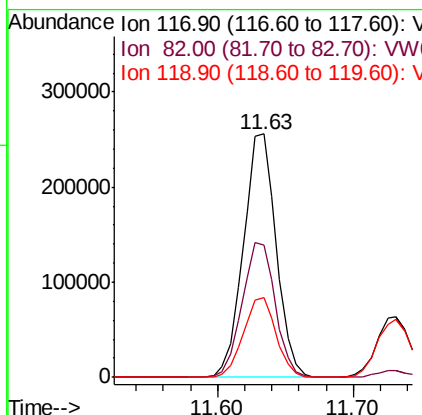
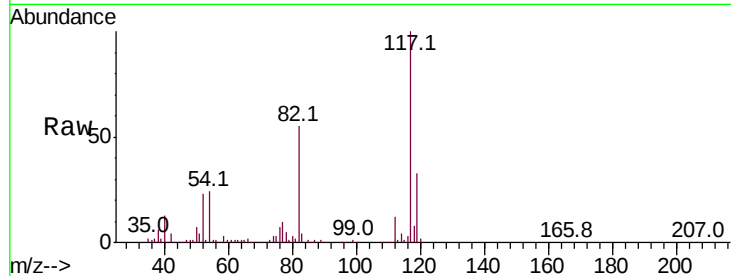
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	431827		
82	54.5	43.6	65.4	
119	32.5	26.0	39.0	

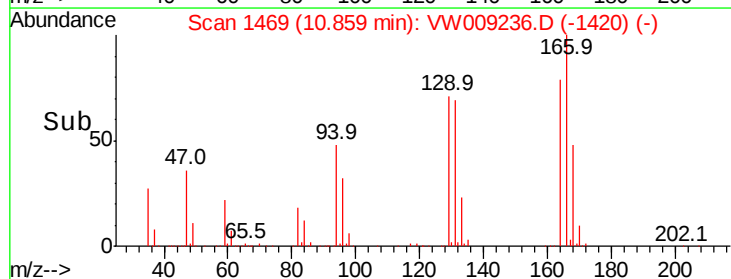
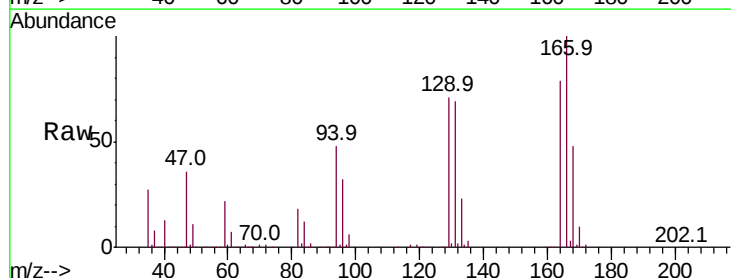
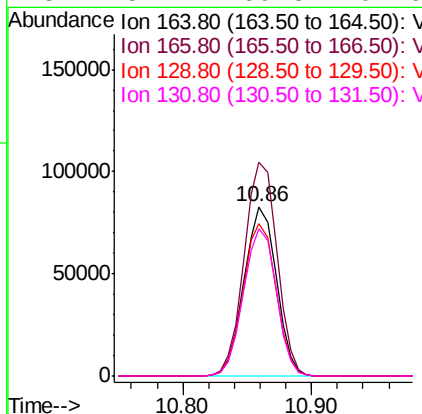
Manual Integrations
APPROVED

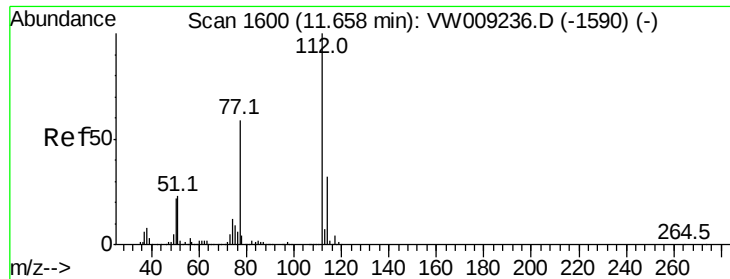
MMDadoda
3/22/2019 3:53:00 AM



#64
Tetrachloroethene
Concen: 48.674 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	143947		
166	126.1	100.9	151.3	
129	90.0	72.0	108.0	
131	87.2	69.8	104.6	





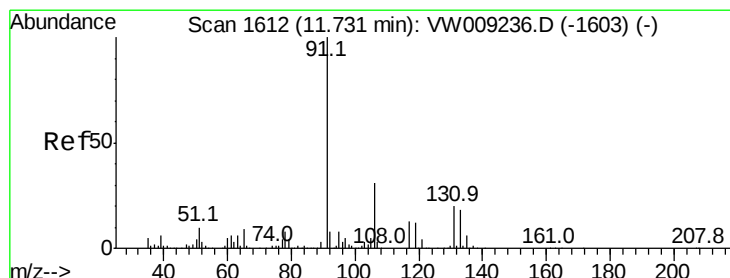
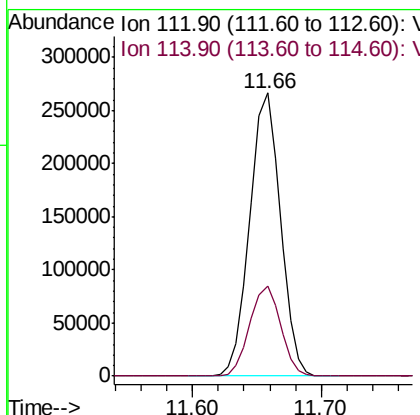
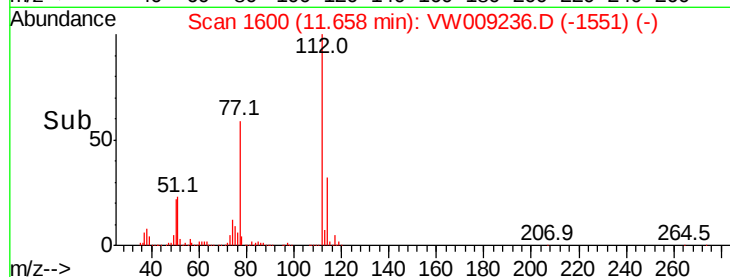
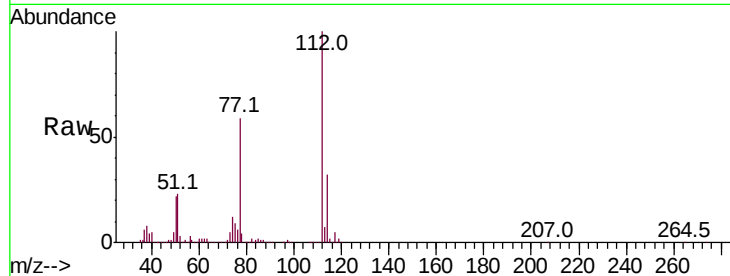
#65
Chlorobenzene
Concen: 49.132 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4

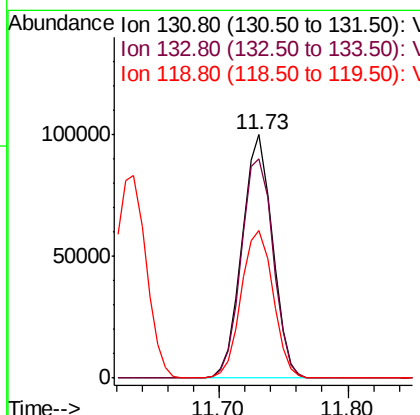
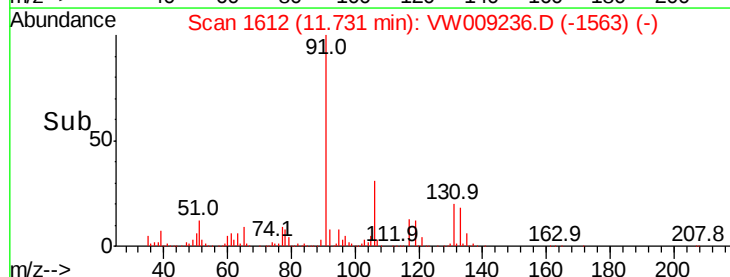
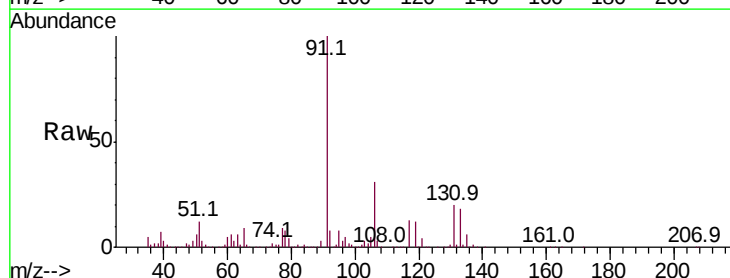
Manual Integrations
APPROVED

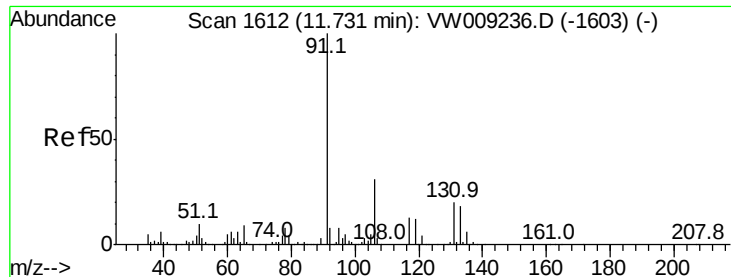
MMDadoda
3/22/2019 3:53:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.085 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	63.3	31.6	95.0





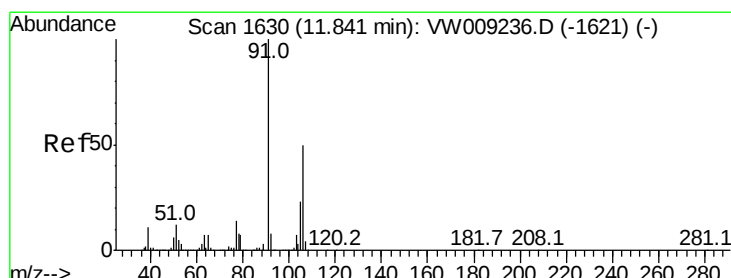
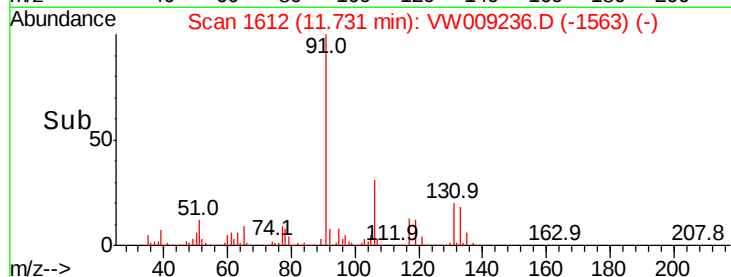
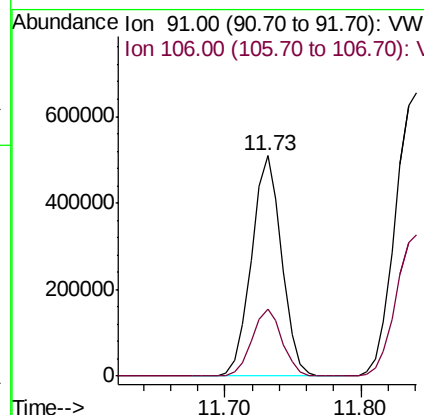
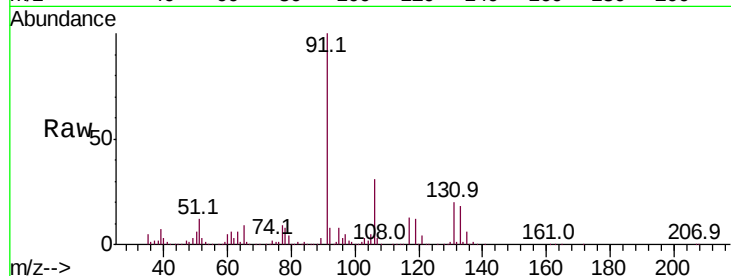
#67
Ethyl Benzene
Concen: 51.084 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 790190
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8

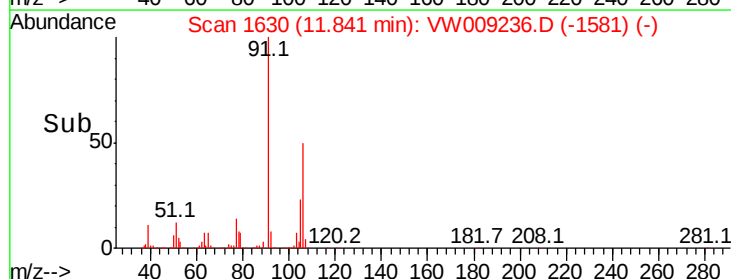
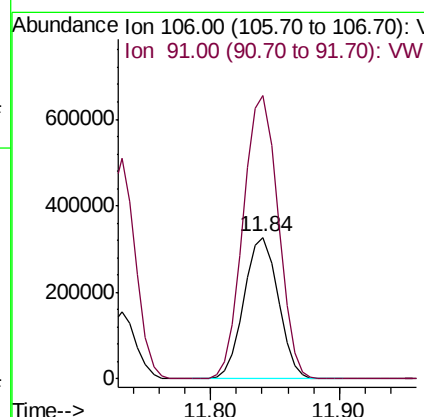
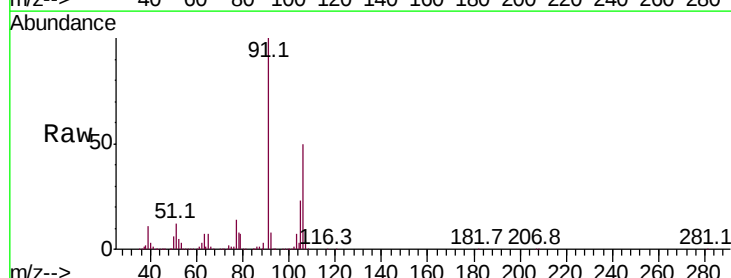
Manual Integrations
APPROVED

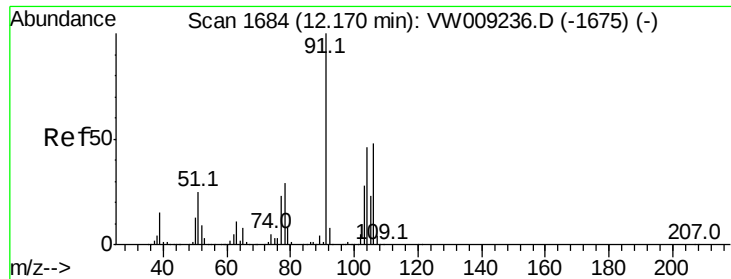
MMDadoda
3/22/2019 3:53:00 AM



#68
m/p-Xylenes
Concen: 100.627 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion: 106 Resp: 603324
Ion Ratio Lower Upper
106 100
91 203.9 163.1 244.7





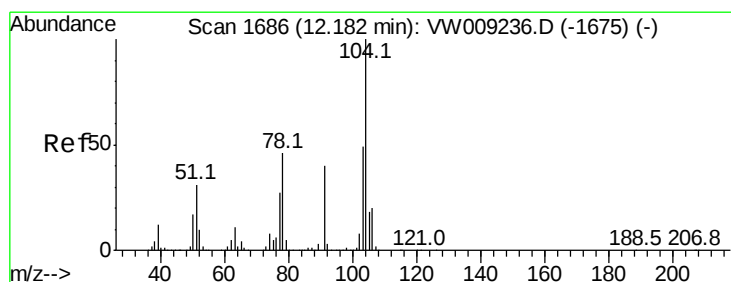
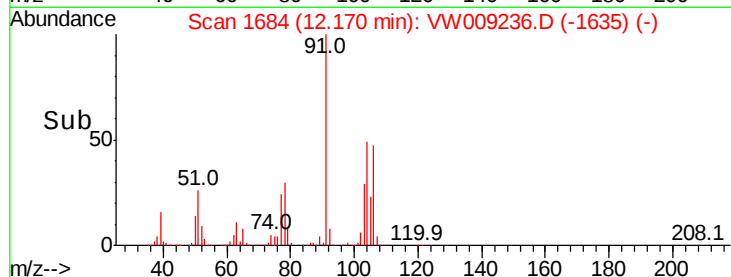
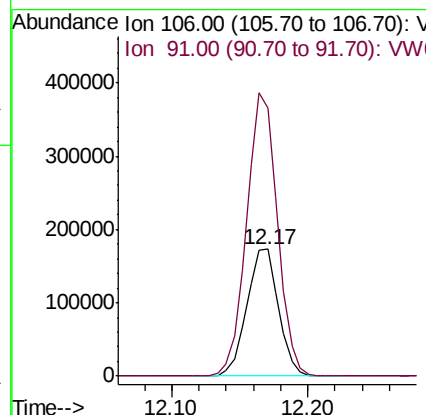
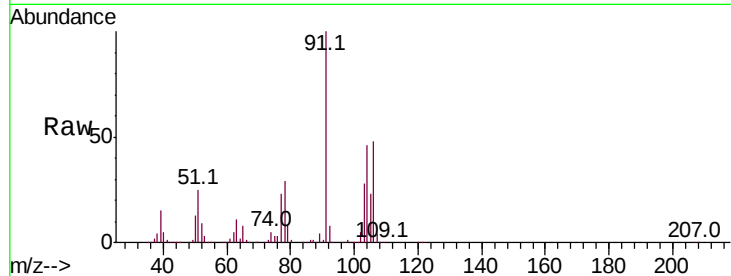
#69
o-Xylene
Concen: 50.689 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	282217		
91	217.2	108.6	325.8	

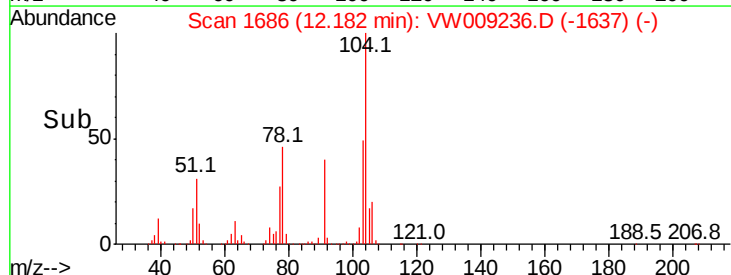
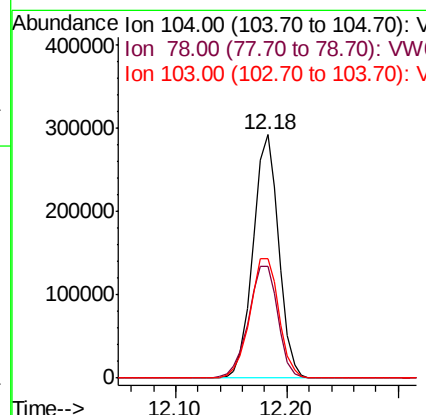
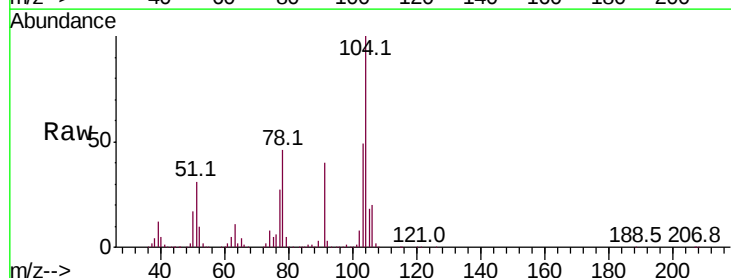
Manual Integrations
APPROVED

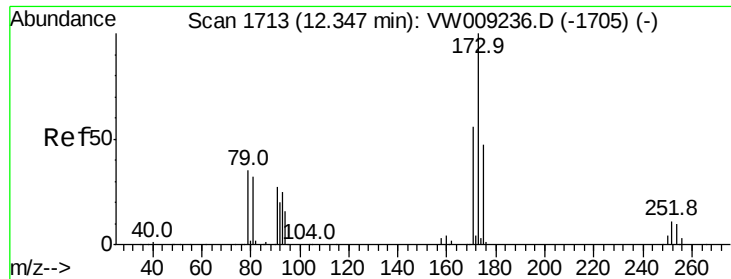
MMDadoda
3/22/2019 3:53:00 AM



#70
Styrene
Concen: 51.020 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	468353		
78	52.8	42.2	63.4	
103	55.7	44.6	66.8	





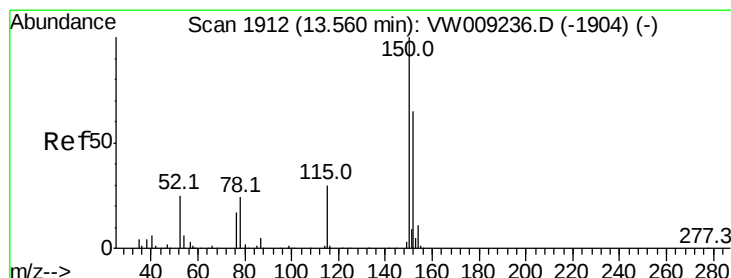
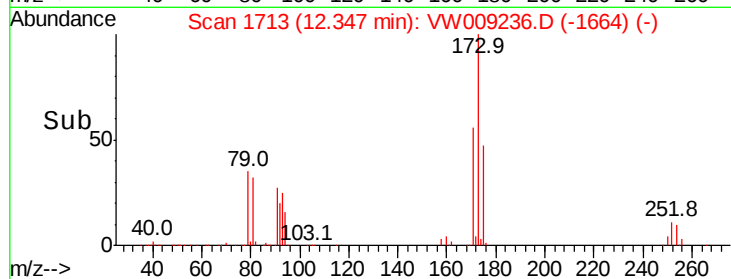
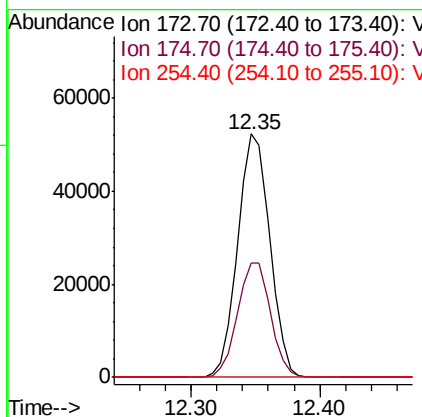
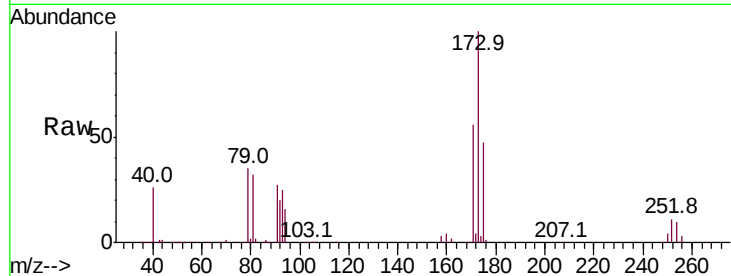
#71
Bromoform
Concen: 49.514 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.3	0.2	0.4

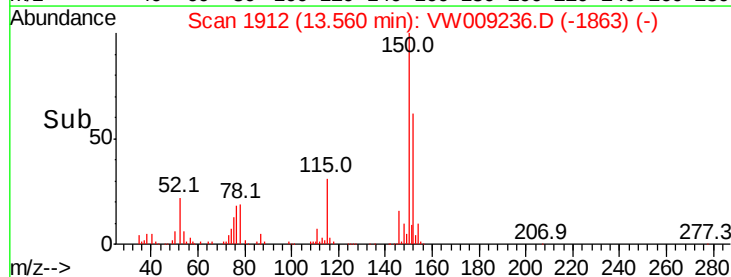
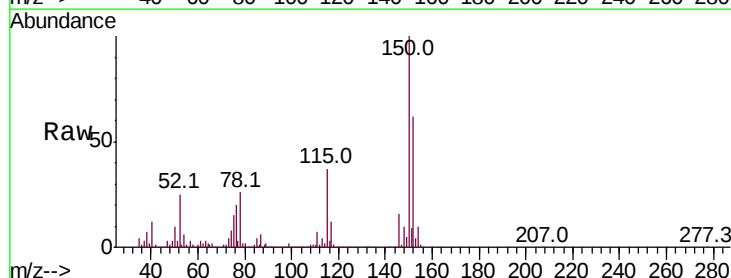
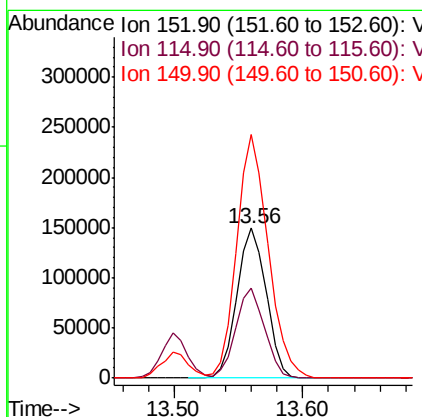
Manual Integrations
APPROVED

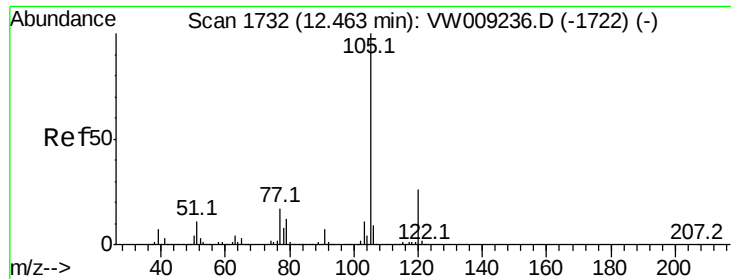
MMDadoda
3/22/2019 3:53:00 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.6	88.8
150	174.6	0.0	349.2





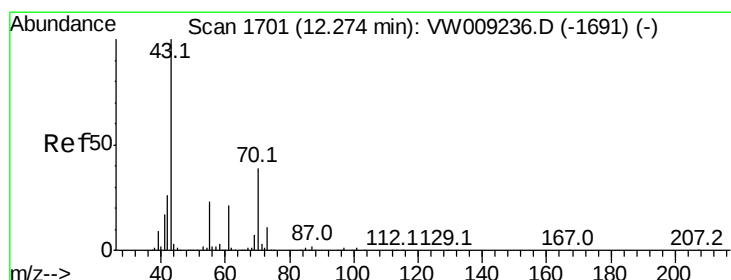
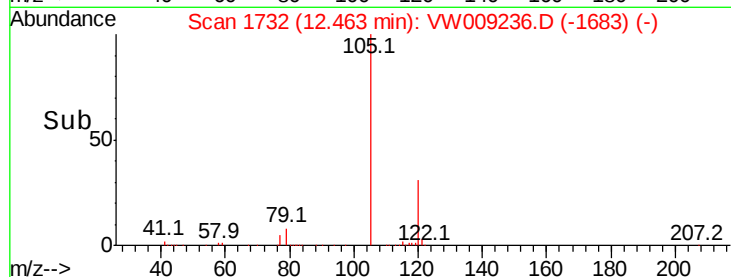
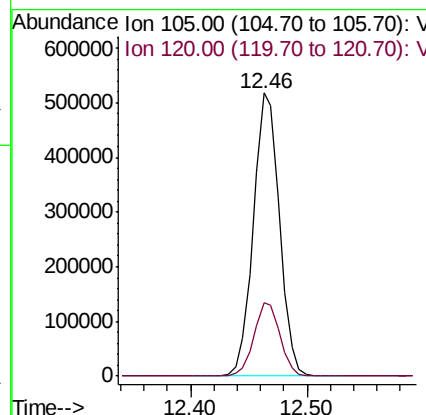
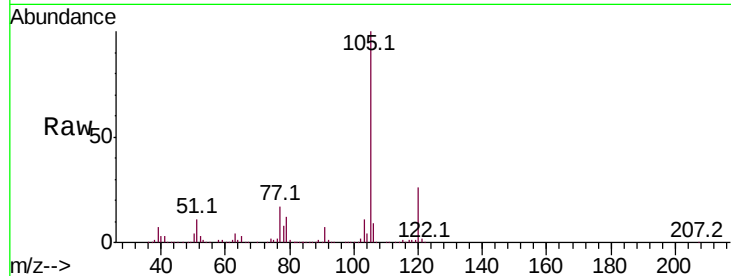
#73
Isopropylbenzene
Concen: 51.397 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

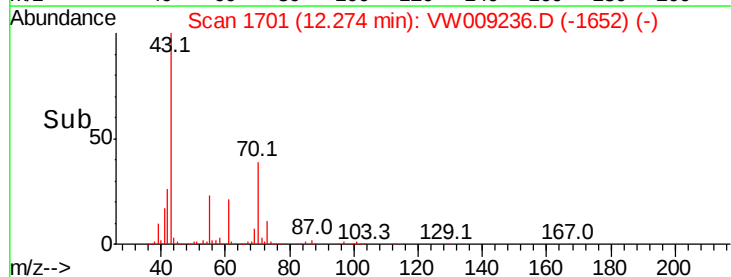
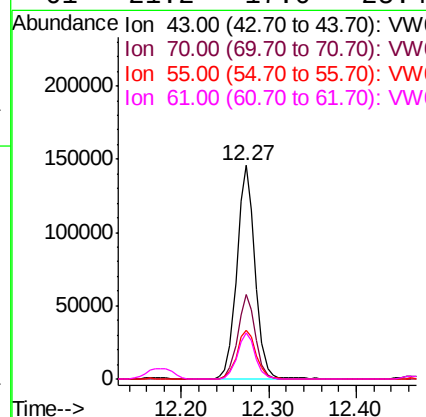
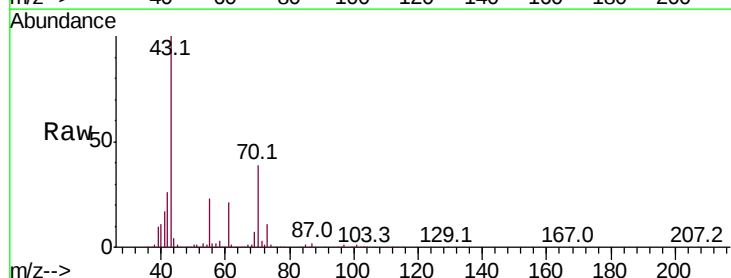
Manual Integrations
APPROVED

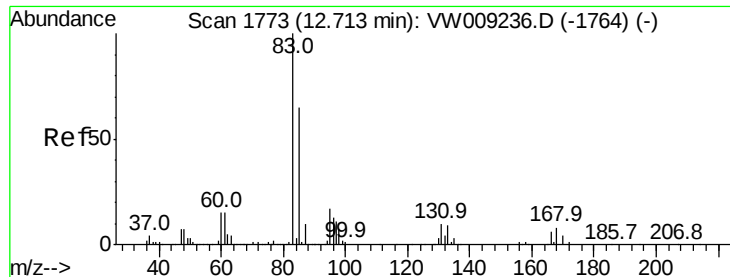
MMDadoda
3/22/2019 3:53:00 AM



#74
N-ethyl acetate
Concen: 51.820 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.3	30.6	46.0
55	24.1	19.3	28.9
61	21.2	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.143 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 144533

Ion Ratio Lower Upper

83 100

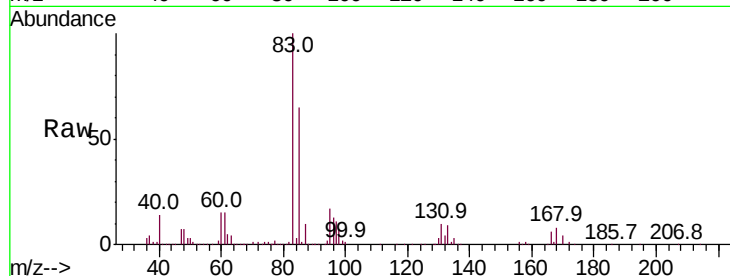
131 10.7 5.3 16.1

85 65.2 32.6 97.8

Manual Integrations
APPROVED

MMDadoda

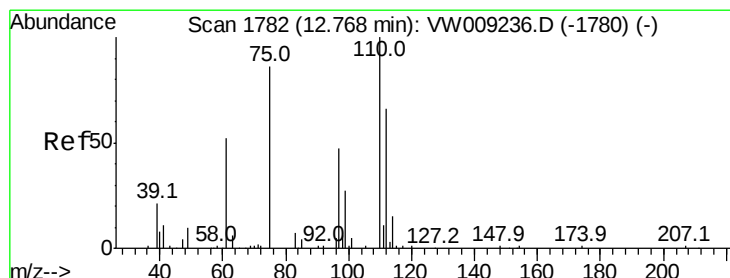
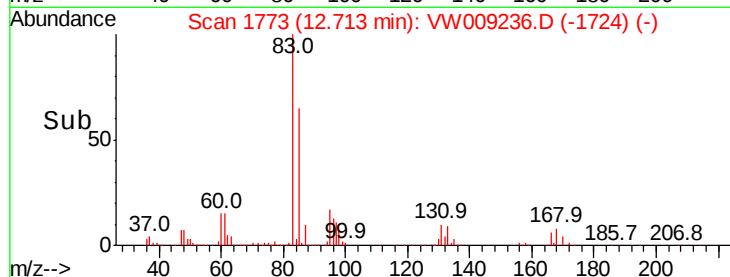
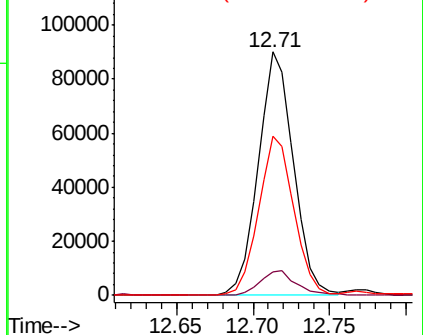
3/22/2019 3:53:00 AM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 42.696 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009236.D

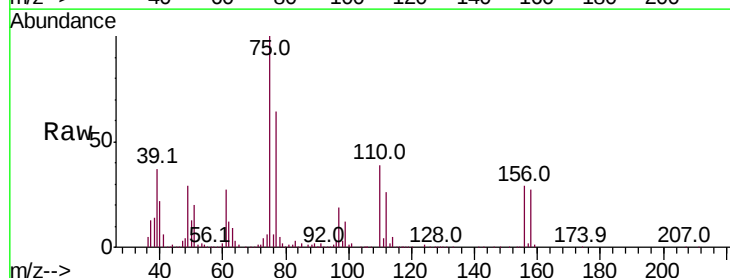
Acq: 19 Mar 2019 12:18

Tgt Ion: 75 Resp: 101548

Ion Ratio Lower Upper

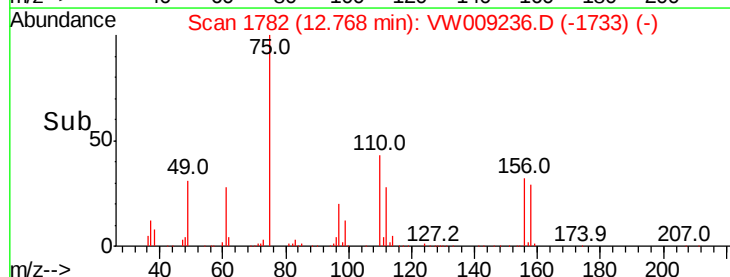
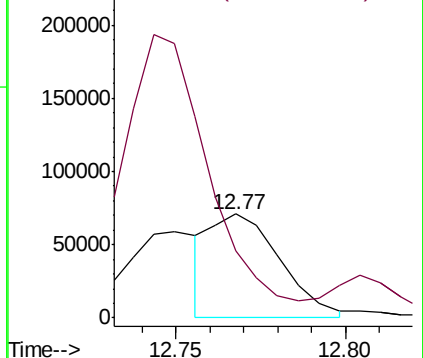
75 100

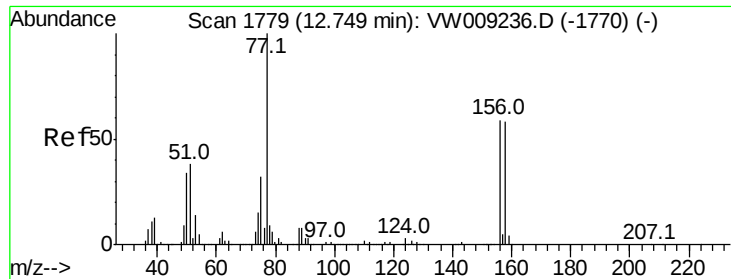
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





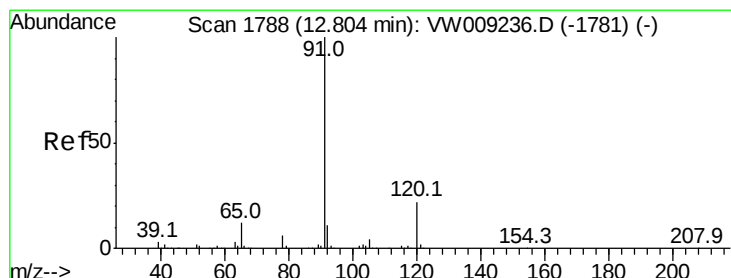
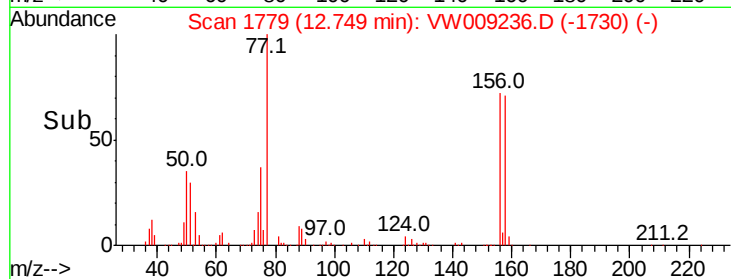
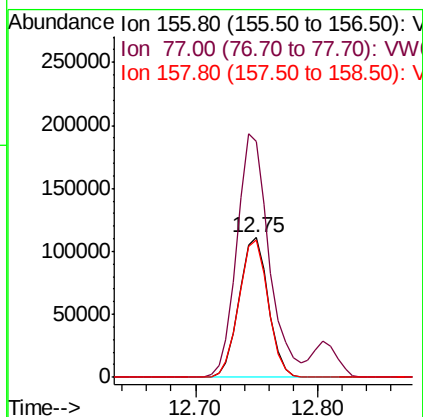
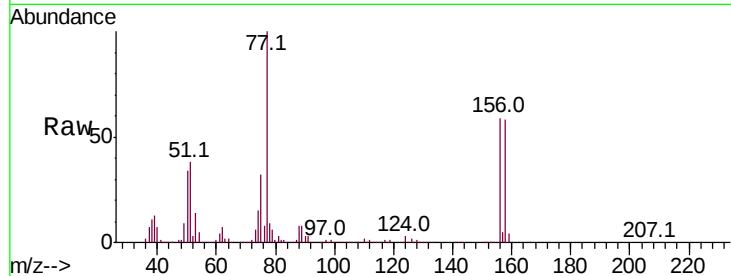
#77
Bromobenzene
Concen: 49.188 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.0	96.0	288.0
158	98.2	49.1	147.3

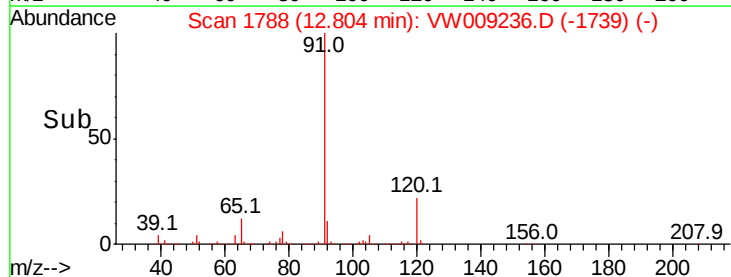
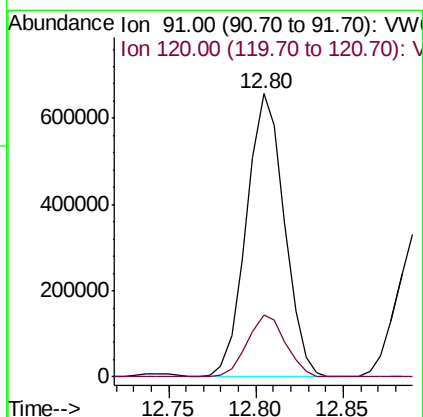
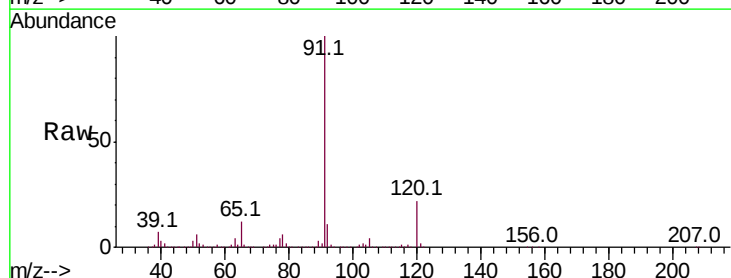
Manual Integrations
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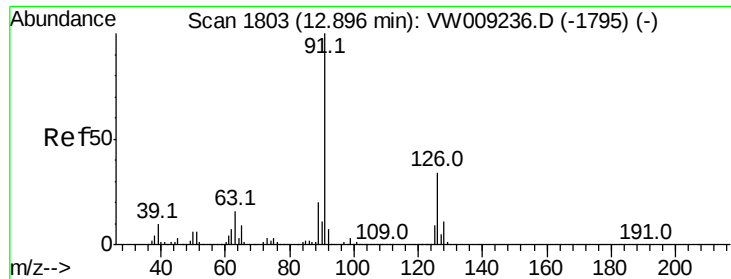
MMDadoda
3/22/2019 3:53:00 AM



#78
n-propylbenzene
Concen: 51.426 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3





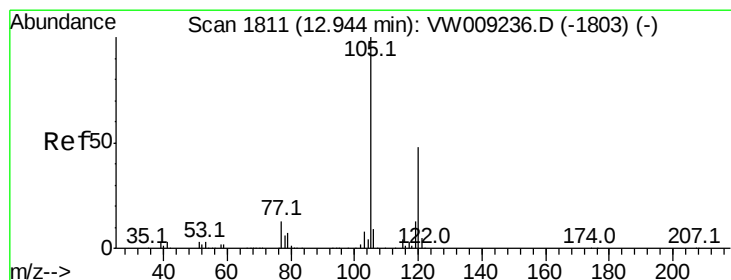
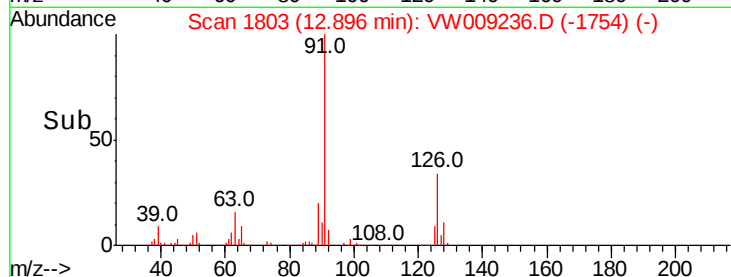
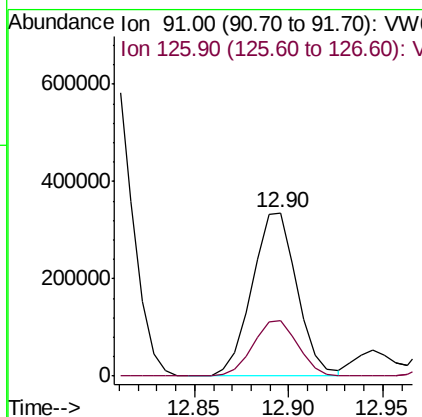
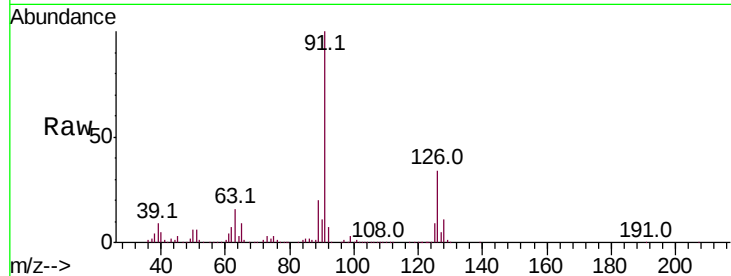
#79
 2-Chlorotoluene
 Concen: 50.535 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 554351
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.0 51.0

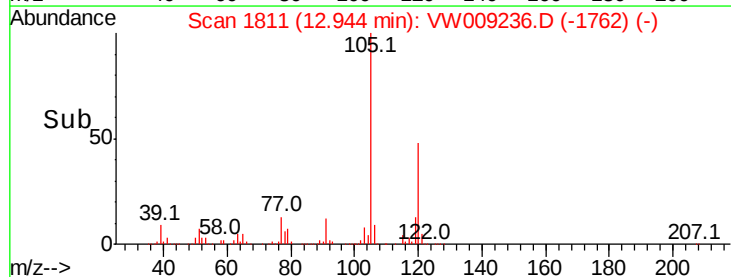
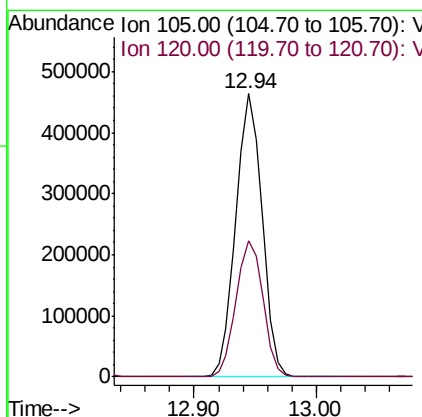
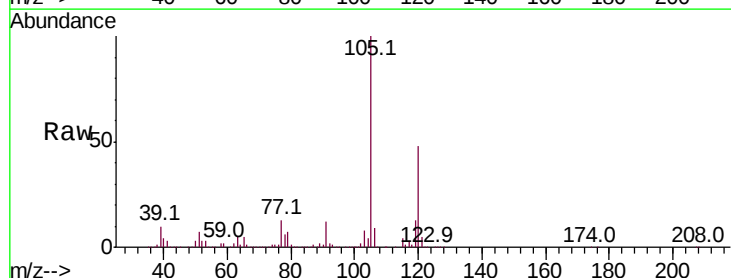
Manual Integrations
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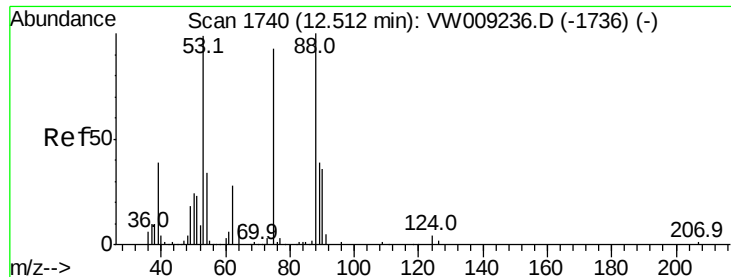
MMDadoda
 3/22/2019 3:53:00 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.729 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Tgt Ion:105 Resp: 691656
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.420 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 47225

Ion Ratio Lower Upper

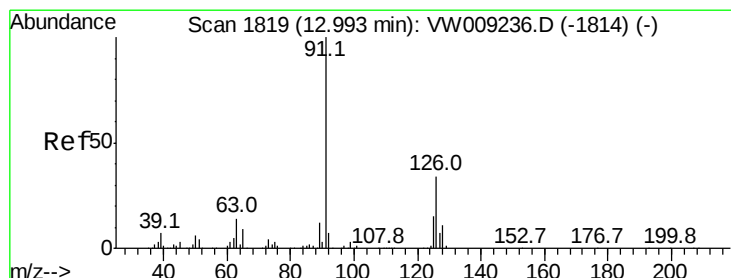
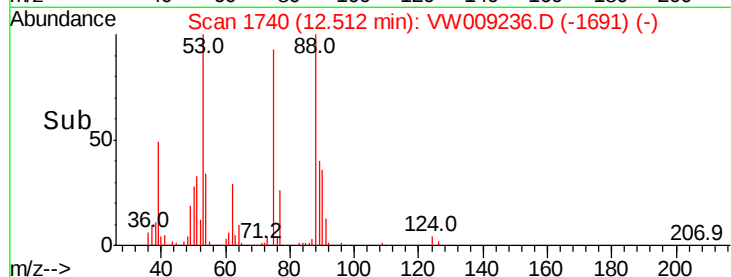
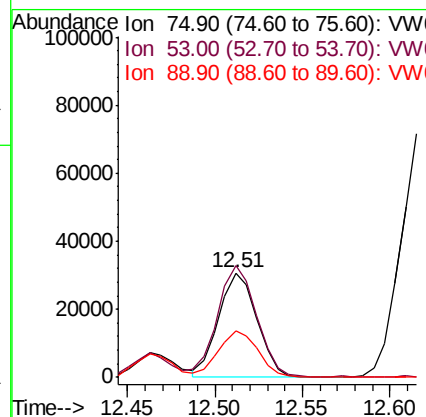
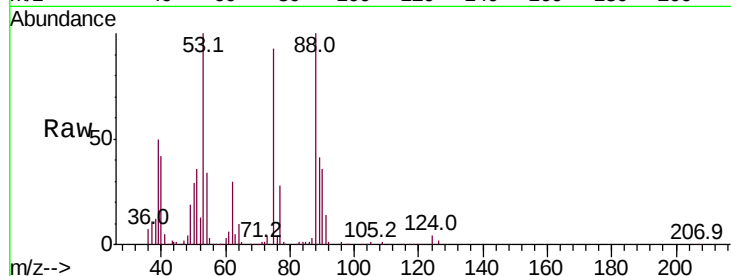
75 100

53 108.4 86.7 130.1

89 45.5 36.4 54.6

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#82

4-Chlorotoluene

Concen: 50.439 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW009236.D

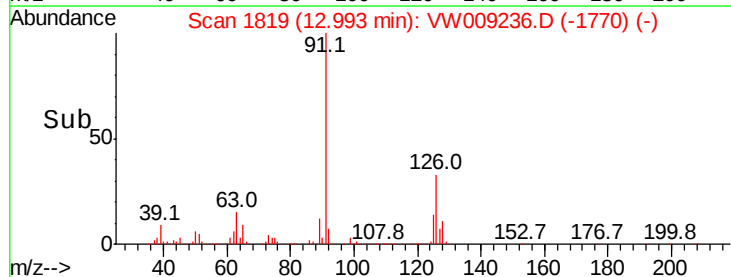
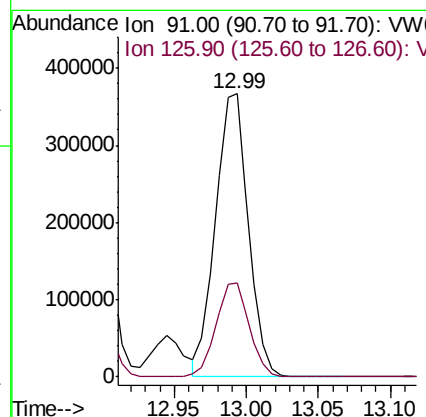
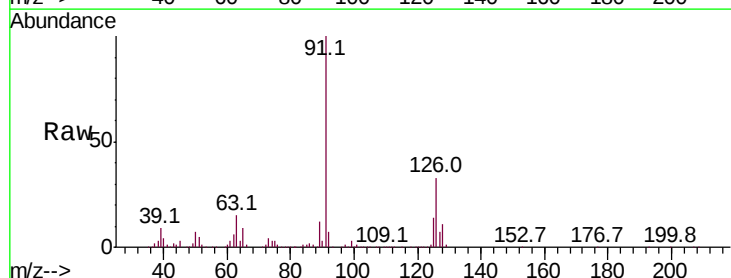
Acq: 19 Mar 2019 12:18

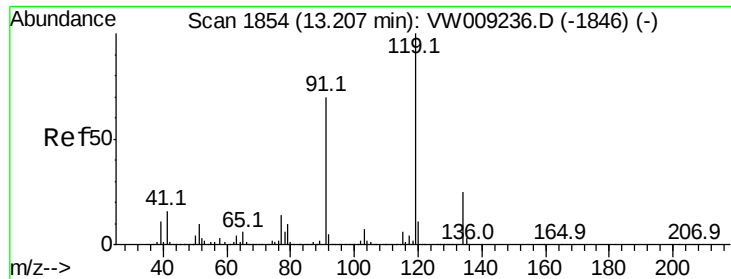
Tgt Ion: 91 Resp: 582897

Ion Ratio Lower Upper

91 100

126 33.7 16.9 50.6





#83

tert-Butylbenzene

Concen: 52.176 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Instrument :

MSVOA_W

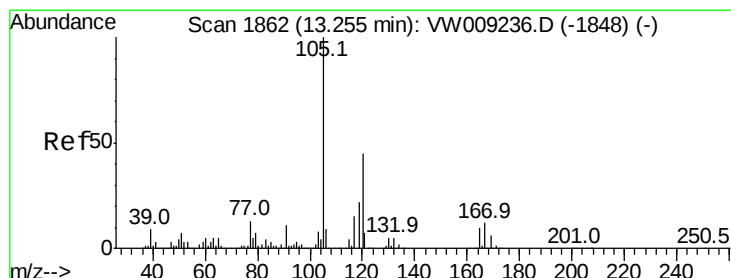
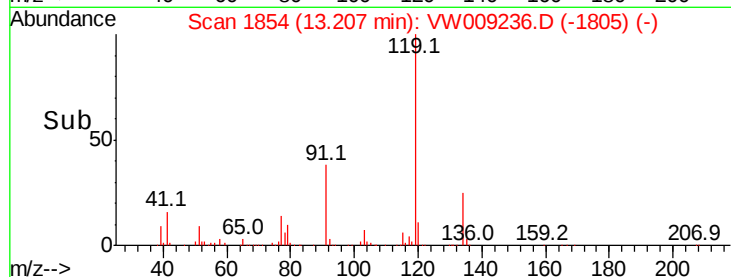
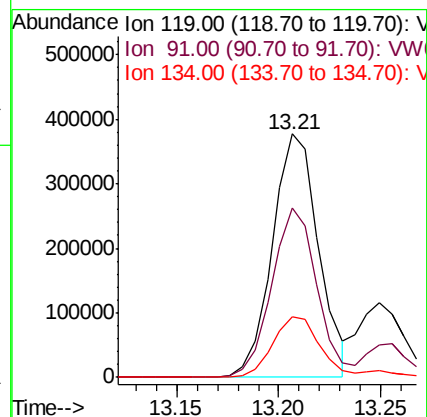
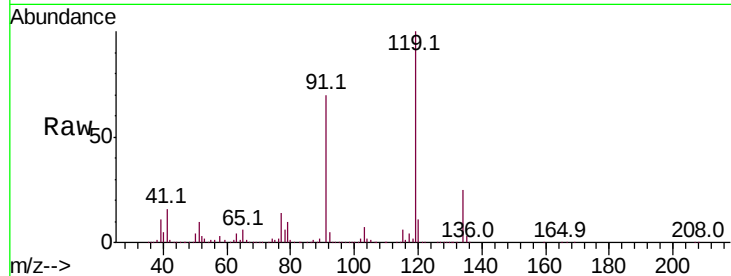
ClientSampled :

VSTDICCC050

Tot Ion:	119	Resp:	596186
Ion Ratio	Lower	Upper	
119	100		
91	68.8	34.4	103.2
134	25.4	12.7	38.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.506 ug/l

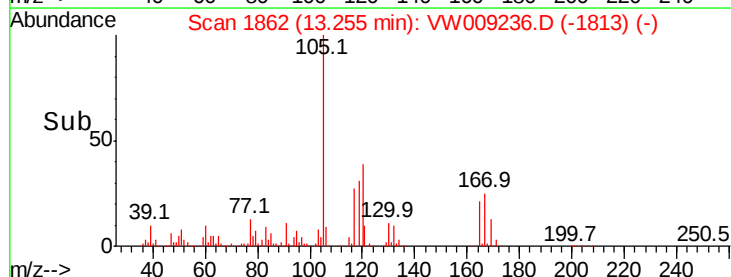
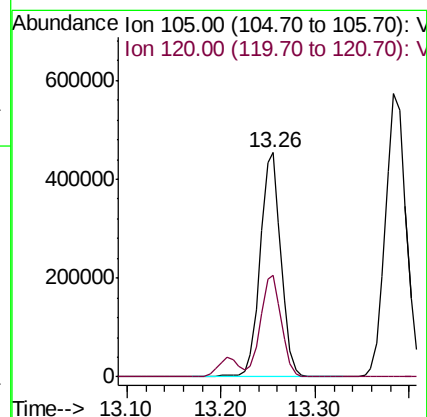
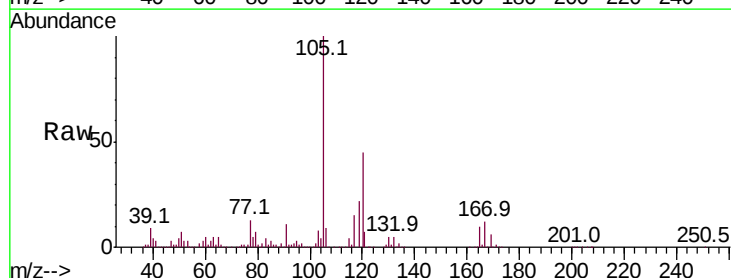
RT: 13.26 min Scan# 1862

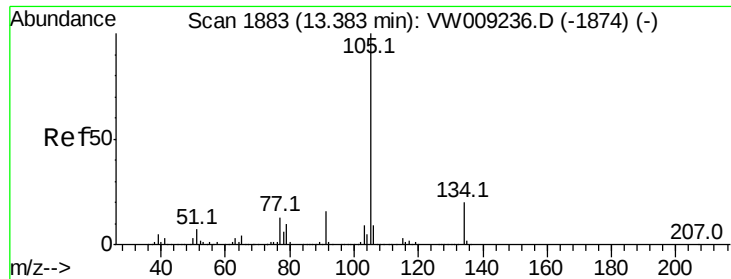
Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Tgt Ion:	105	Resp:	706025
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.8	68.3





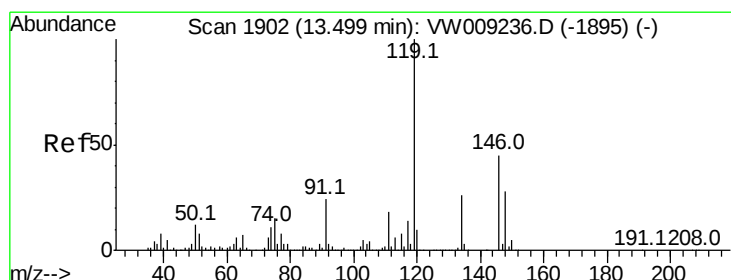
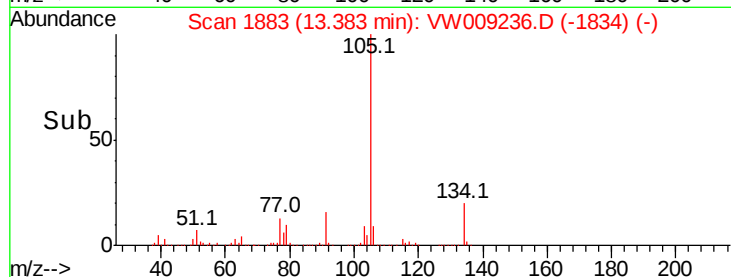
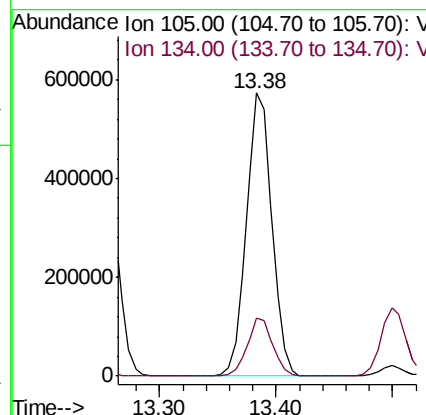
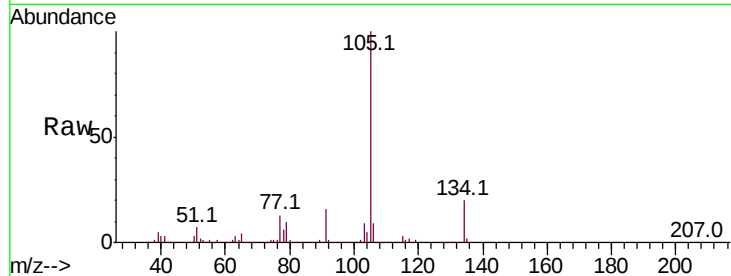
#85
 sec-Butylbenzene
 Concen: 51.895 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.6

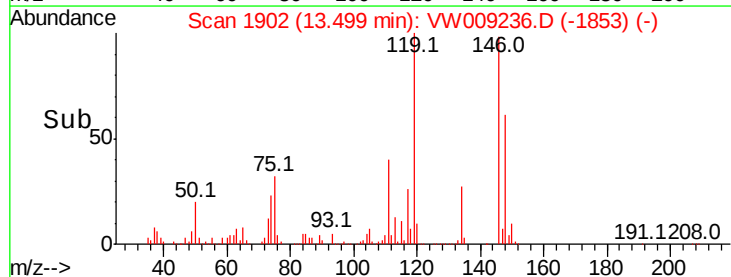
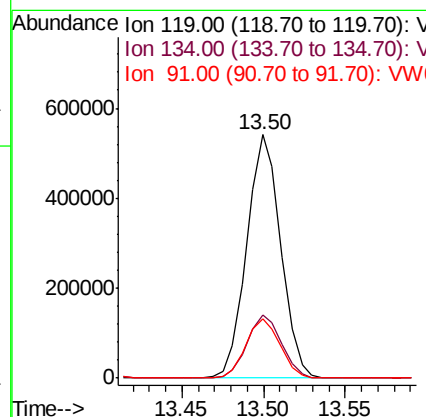
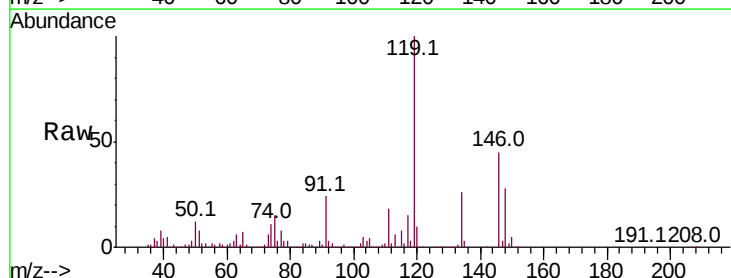
Manual Integrations
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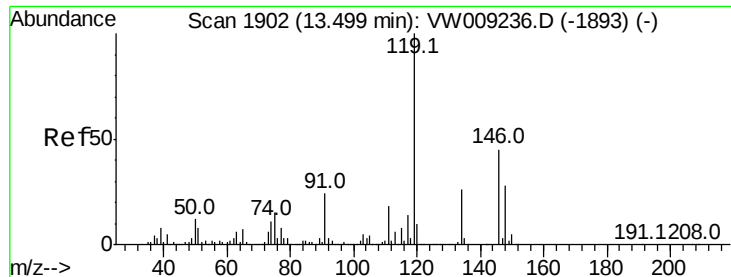
MMDadoda
 3/22/2019 3:53:00 AM



#86
 p-Isopropyltoluene
 Concen: 52.294 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.3
91	24.5	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 49.605 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009236.D

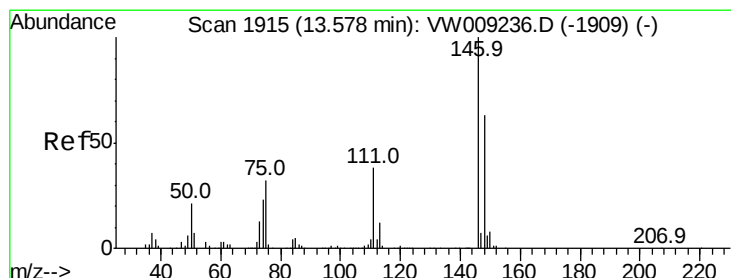
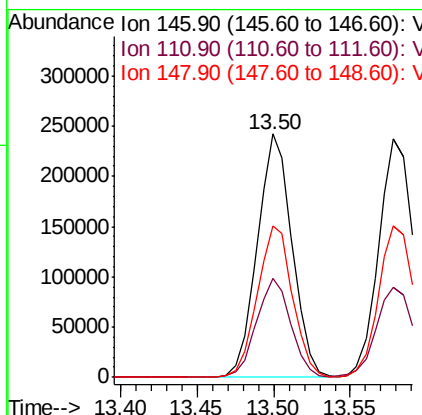
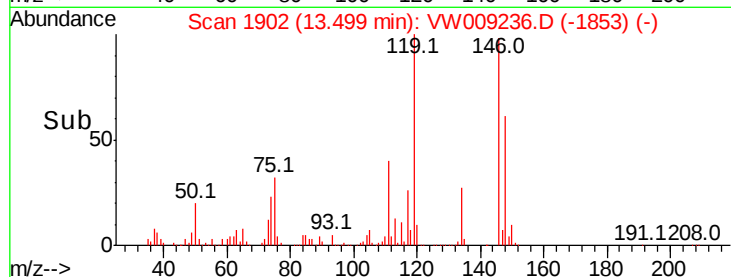
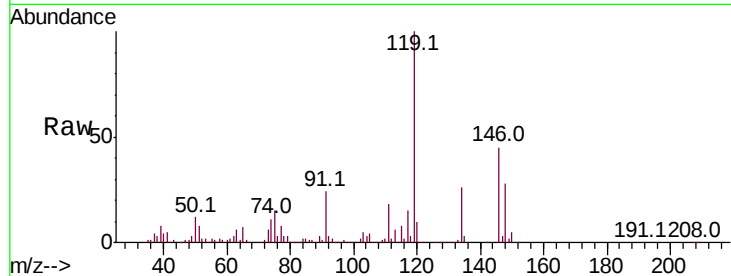
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	382294		
111	40.1	20.1	60.2	
148	62.9	31.4	94.3	

Manual Integrations
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3/22/2019 3:53:00 AM



#88

1,4-Dichlorobenzene

Concen: 48.943 ug/l

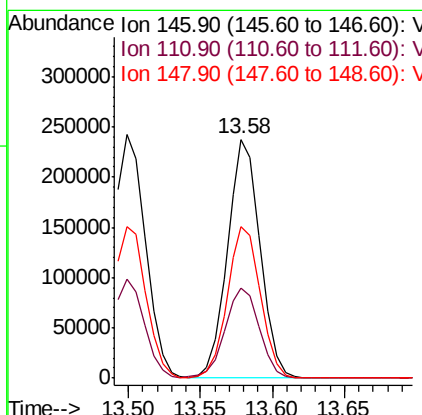
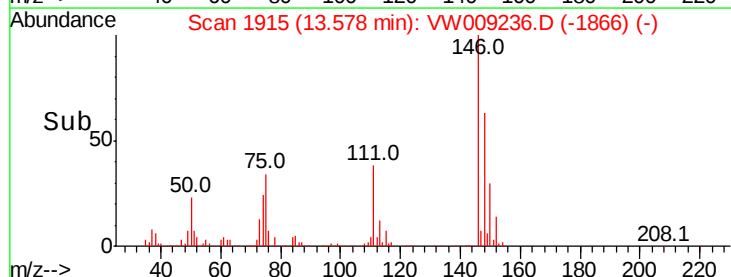
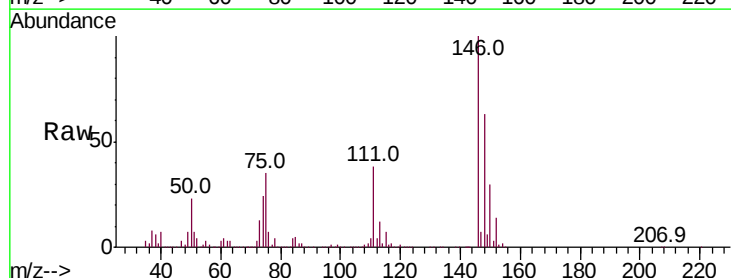
RT: 13.58 min Scan# 1915

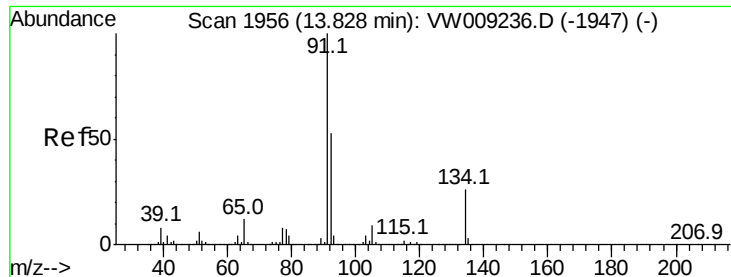
Delta R.T. 0.00 min

Lab File: VW009236.D

Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	375569		
111	39.7	19.9	59.6	
148	64.4	32.2	96.6	





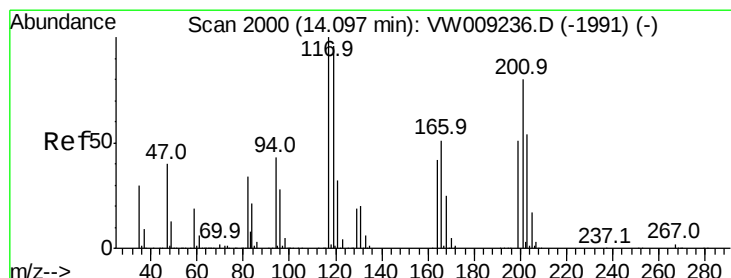
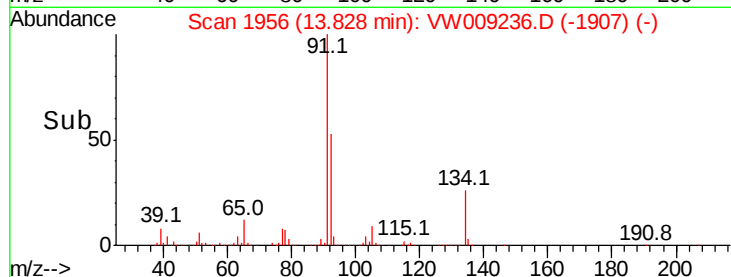
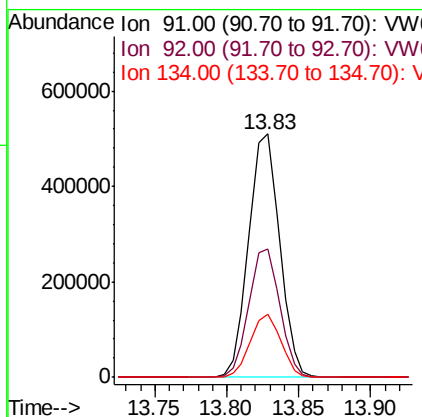
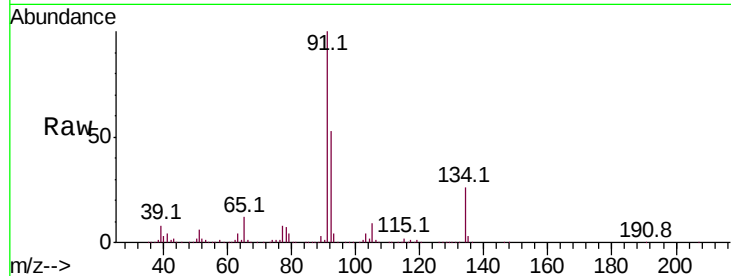
#89
n-Butylbenzene
Concen: 52.645 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	25.7	12.9	38.6

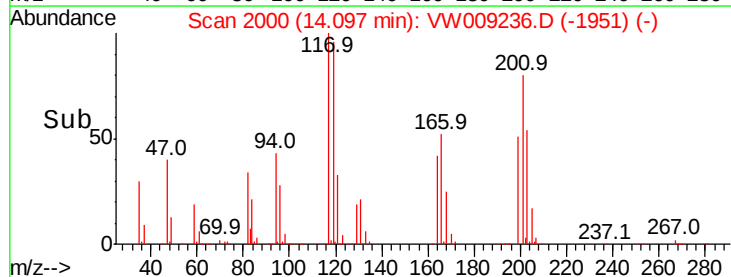
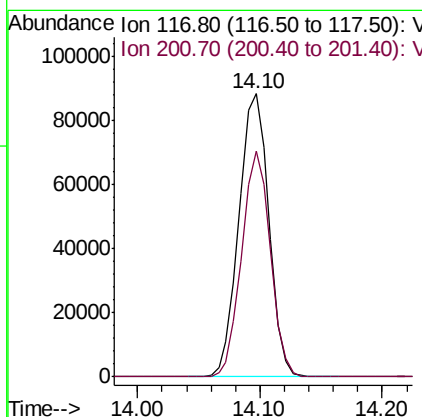
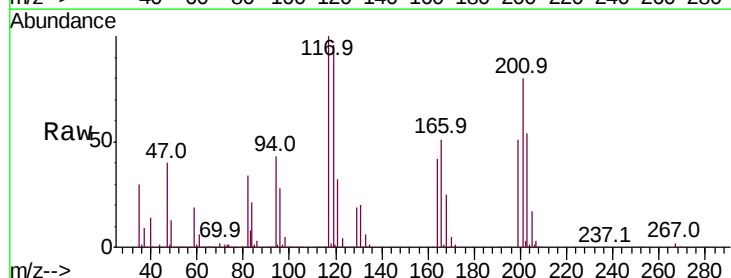
Manual Integrations
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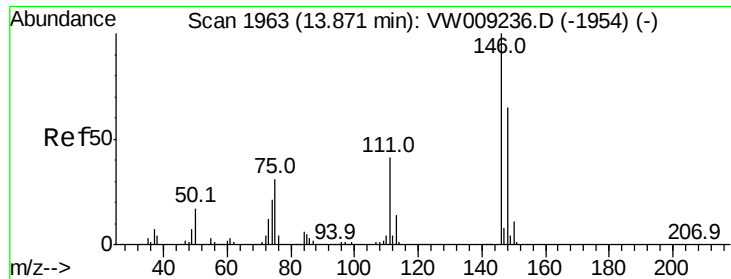
MMDadoda
3/22/2019 3:53:00 AM



#90
Hexachloroethane
Concen: 50.601 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.4	38.2	114.6





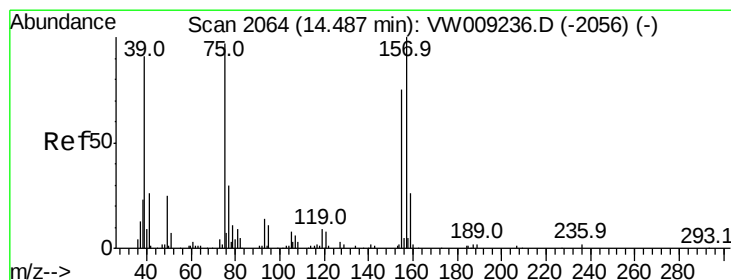
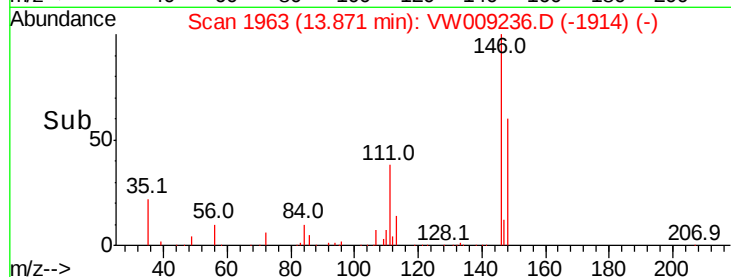
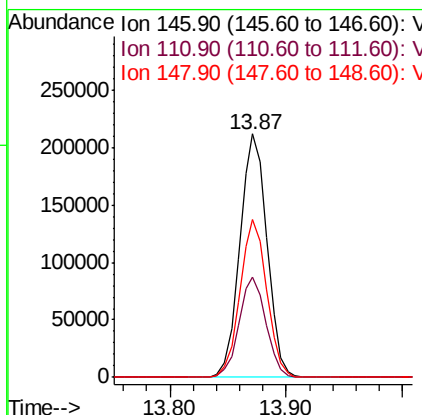
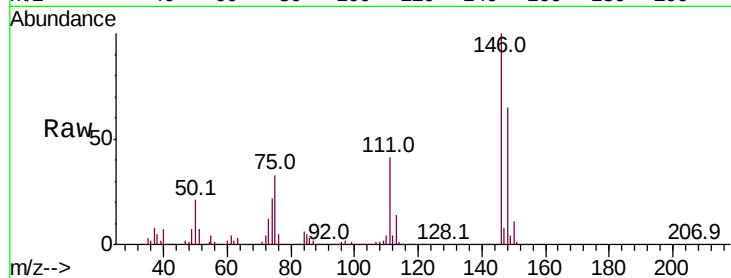
#91
 1,2-Dichlorobenzene
 Concen: 49.789 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.2
148	63.9	31.9	95.9

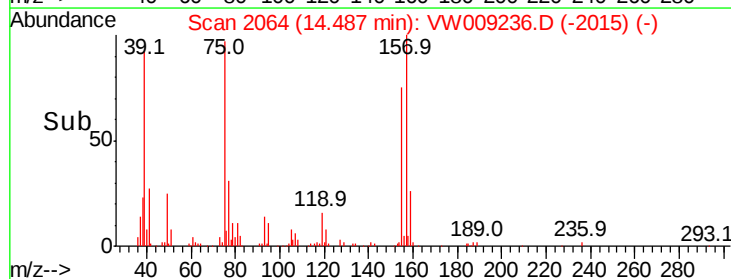
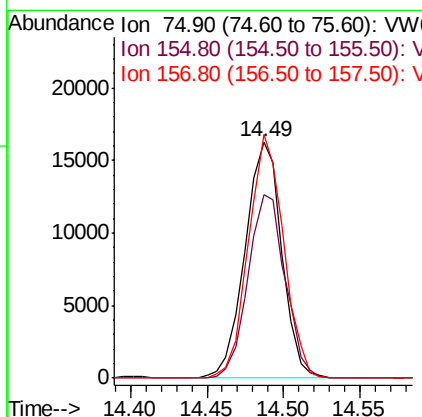
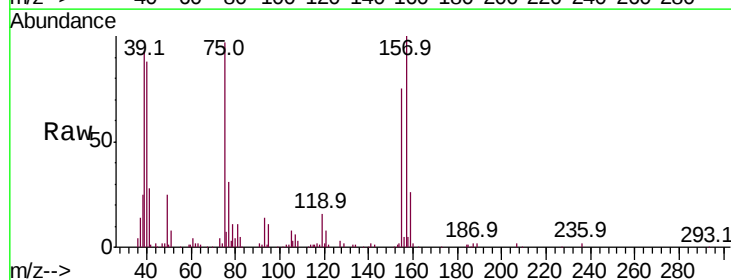
Manual Integrations
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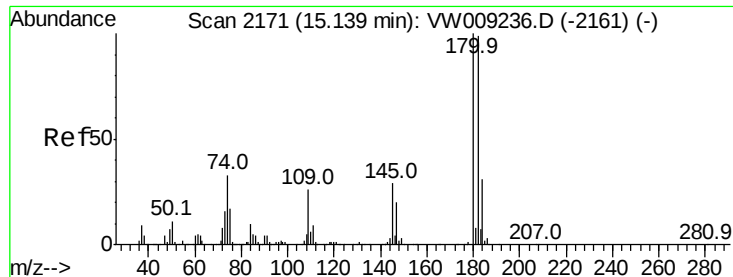
MMDadoda
 3/22/2019 3:53:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.310 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	39.3	117.8
157	99.0	49.5	148.5





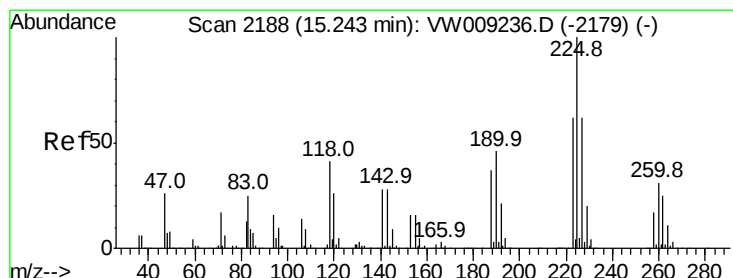
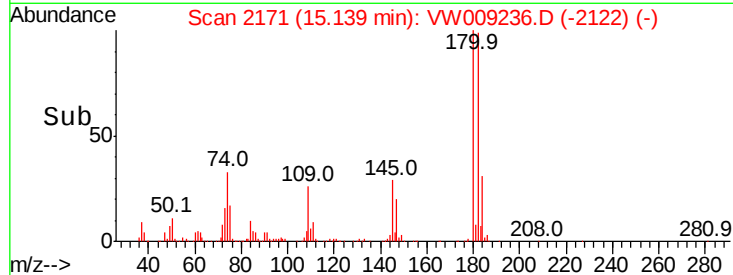
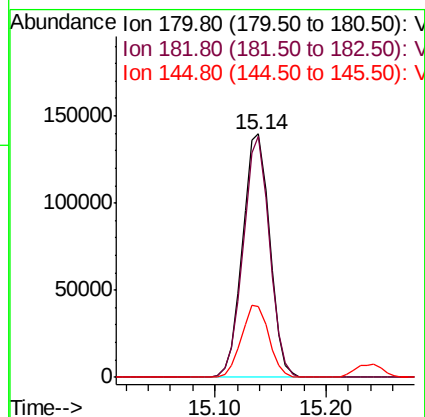
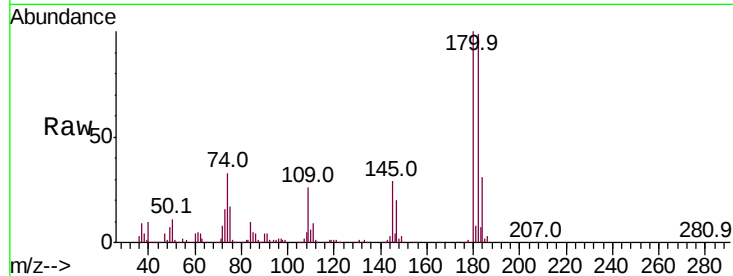
#93
 1,2,4-Trichlorobenzene
 Concen: 51.034 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	180	Resp:	236858
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	30.0	15.0	45.0

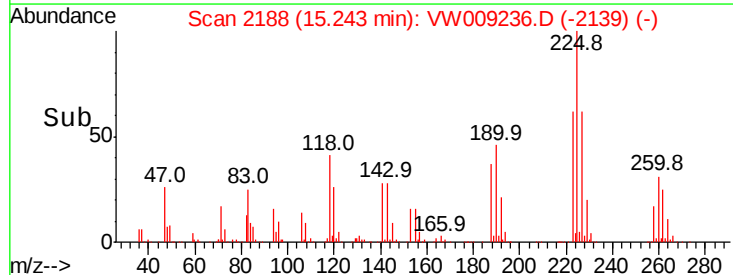
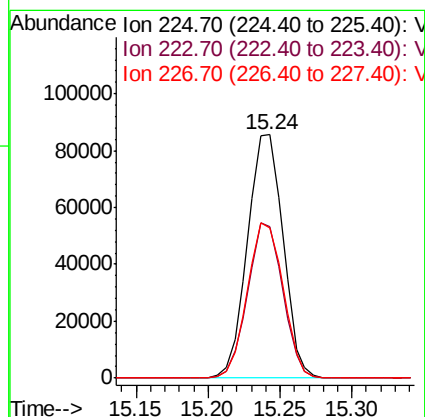
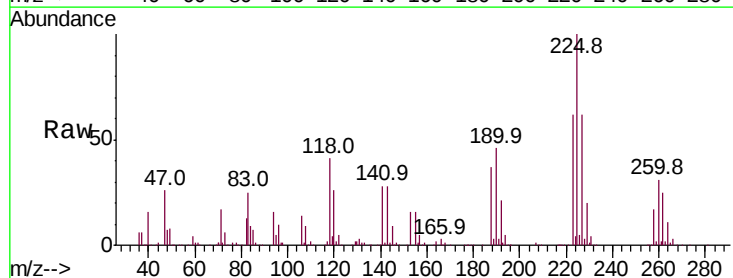
Manual Integrations
 APPROVED

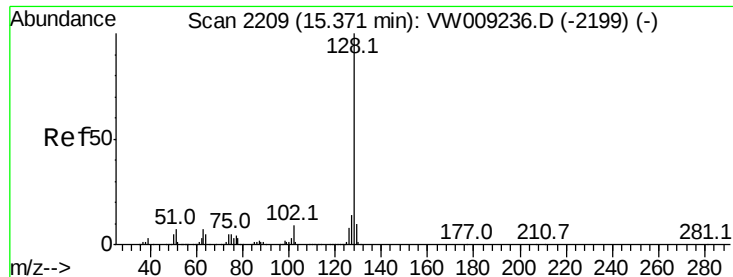
MMDadoda
 3/22/2019 3:53:00 AM



#94
 Hexachlorobutadiene
 Concen: 49.613 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW009236.D
 Acq: 19 Mar 2019 12:18

Tgt Ion:	225	Resp:	146453
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.4	94.3
227	64.3	32.1	96.5





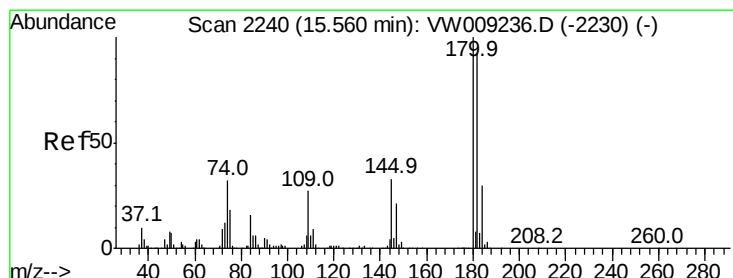
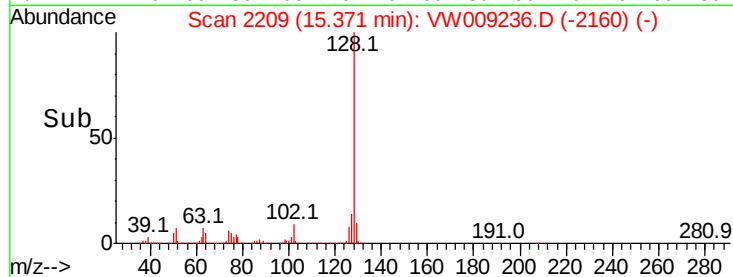
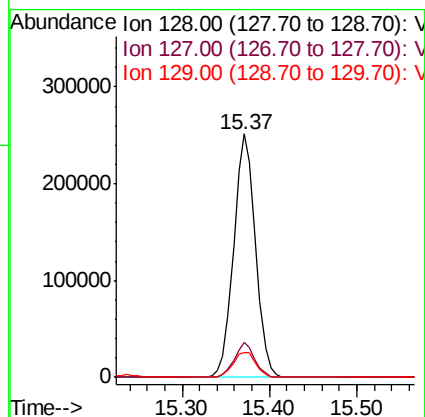
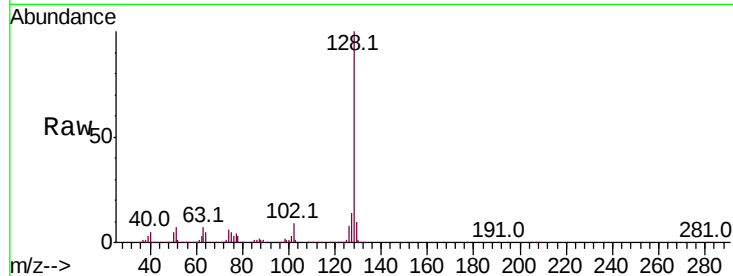
#95
Naphthalene
Concen: 54.212 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:53:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.401 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009236.D
Acq: 19 Mar 2019 12:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.0	16.0	48.0

