

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010393.D
 Acq On : 11 May 2019 20:53
 Operator : SY/VA
 Sample : K2719-03MSD
 Misc : 3.48G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 3:44:12 AM

Quant Time: May 12 01:24:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	612092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	938473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	491422	75.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.04%	
35) Dibromofluoromethane	7.88	113	372694	67.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.72%	
50) Toluene-d8	10.32	98	793750	35.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.98%	
62) 4-Bromofluorobenzene	12.62	95	147718	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	348515	74.026	ug/l	96
3) Chloromethane	2.21	50	327583	52.282	ug/l	96
4) Vinyl Chloride	2.37	62	566058	72.694	ug/l	98
5) Bromomethane	2.78	94	98417	21.917	ug/l	99
6) Chloroethane	2.92	64	370067	82.179	ug/l	99
7) Trichlorofluoromethane	3.25	101	191531	49.134	ug/l	95
8) Diethyl Ether	3.67	74	335400	97.872	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	316144	49.495	ug/l	98
10) Methyl Iodide	4.27	142	104644	11.569	ug/l	94
11) Tert butyl alcohol	5.18	59	206687	449.752	ug/l	100
12) 1,1-Dichloroethene	4.03	96	363825	54.510	ug/l	94
13) Acrolein	3.88	56	639	1.053	ug/l #	16
14) Allyl chloride	4.65	41	372386	37.377	ug/l	93
15) Acrylonitrile	5.36	53	216253	113.852	ug/l	98
16) Acetone	4.12	43	858777	506.228	ug/l	96
17) Carbon Disulfide	4.37	76	794497	39.358	ug/l	99
18) Methyl Acetate	4.67	43	212012	50.456	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	745919	93.880	ug/l	98
20) Methylene Chloride	4.91	84	589799	83.356	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	437143	60.845	ug/l	97
22) Diisopropyl ether	6.31	45	1672268	86.485	ug/l	93
23) Vinyl Acetate	6.31	43	856189	64.486	ug/l #	76
24) 1,1-Dichloroethane	6.21	63	950338	73.000	ug/l	99
25) 2-Butanone	7.17	43	486147	187.326	ug/l	95
26) 2,2-Dichloropropane	7.16	77	213887	33.022	ug/l	91
27) cis-1,2-Dichloroethene	7.17	96	457308	61.895	ug/l	94
28) Bromochloromethane	7.51	49	345072	71.897	ug/l	99
29) Tetrahydrofuran	7.53	42	688157	409.963	ug/l	96
30) Chloroform	7.67	83	846225	69.458	ug/l	99
31) Cyclohexane	7.95	56	440481	33.046	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	534785	56.669	ug/l	99
36) 1,1-Dichloropropene	8.08	75	461562	45.360	ug/l	99
37) Ethyl Acetate	7.17	43	486147	89.730	ug/l #	1
38) Carbon Tetrachloride	8.06	117	427155	48.971	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	280738	22.553	ug/l	98
40) Benzene	8.32	78	1441009	51.710	ug/l	100
41) Methacrylonitrile	7.52	41	412524	135.770	ug/l #	49
42) 1,2-Dichloroethane	8.40	62	630785	79.078	ug/l	98
44) Trichloroethene	9.09	130	315473	45.219	ug/l	98
45) 1,2-Dichloropropane	9.37	63	473537	68.361	ug/l	100
46) Dibromomethane	9.46	93	267071	74.631	ug/l	99
47) Bromodichloromethane	9.64	83	487834	56.830	ug/l	99
48) Methyl methacrylate	9.44	41	8293m	1.952	ug/l	
49) 1,4-Dioxane	9.45	88	106002	1698.561	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	1518865	294.795	ug/l	95
52) Toluene	10.39	92	606668	35.617	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	155071	17.834	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	158021	15.346	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	315447	62.062	ug/l	98
57) 1,3-Dichloropropane	10.93	76	563976	62.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	145132	45.162	ug/l	100
59) 2-Hexanone	10.97	43	466840	128.153	ug/l	96
60) Dibromochloromethane	11.13	129	251019	45.896	ug/l	100
61) 1,2-Dibromoethane	11.24	107	194337	39.829	ug/l	96
64) Tetrachloroethene	10.86	164	179338	55.255	ug/l	99
65) Chlorobenzene	11.66	112	477494	49.673	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	243092	74.821	ug/l	97
67) Ethyl Benzene	11.73	91	808536	45.722	ug/l	100
68) m/p-Xylenes	11.83	106	376620	57.322	ug/l	97
69) o-Xylene	12.17	106	264314	44.471	ug/l	99
70) Styrene	12.18	104	179290	17.312	ug/l #	86
71) Bromoform	12.35	173	110613	59.557	ug/l	97
73) Isopropylbenzene	12.47	105	522883	76.410	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	256286	169.975	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	267328	244.225	ug/l #	100
77) Bromobenzene	12.75	156	137769	89.163	ug/l	83
78) n-propylbenzene	12.80	91	492326	58.251	ug/l	99
79) 2-Chlorotoluene	12.90	91	302520	62.852	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	315759	54.733	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5744m	11.851	ug/l	
82) 4-Chlorotoluene	12.99	91	196183	38.901	ug/l	98
83) tert-Butylbenzene	13.21	119	260451	54.126	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	285888	49.869	ug/l	99
85) sec-Butylbenzene	13.38	105	300726	42.335	ug/l	99
86) p-Isopropyltoluene	13.50	119	49007	7.770	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	146017	47.325	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	148594	48.530	ug/l	99
89) n-Butylbenzene	13.83	91	149543	23.647	ug/l	98
90) Hexachloroethane	14.10	117	34008	29.071	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	130160	47.656	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31155	114.744	ug/l	97
93) 1,2,4-Trichlorobenzene	15.14	180	32607	17.493	ug/l	97
94) Hexachlorobutadiene	15.24	225	21767	18.215	ug/l	97
95) Naphthalene	15.37	128	72757	19.452	ug/l	98

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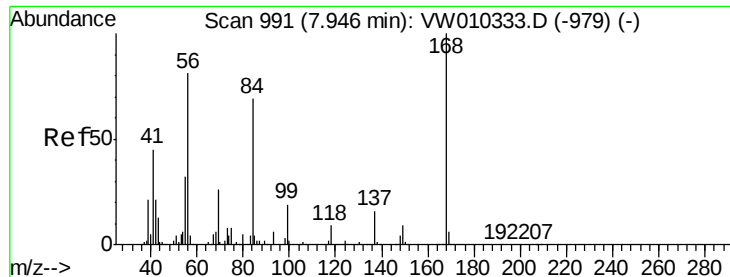
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.56	180	27067	16.073	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion:168 Resp: 612092

Ion Ratio Lower Upper

168 100

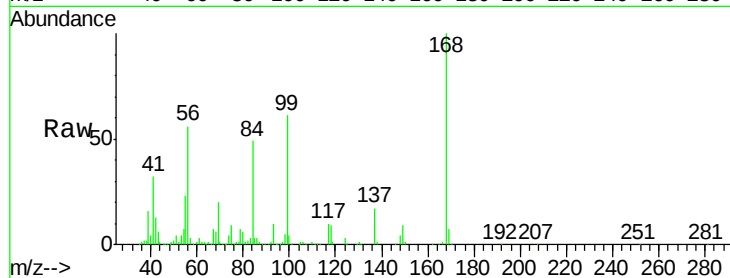
99 61.2 48.4 72.6

Manual Integrations

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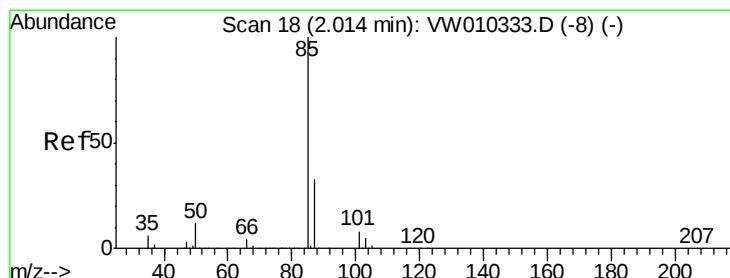
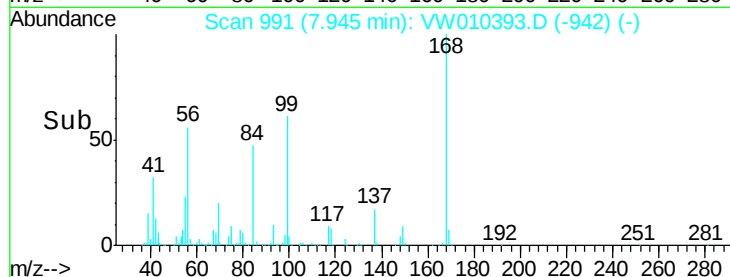
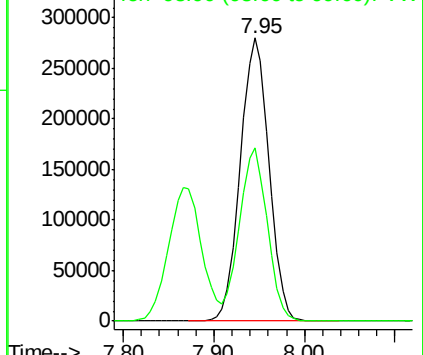
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 74.026 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010393.D

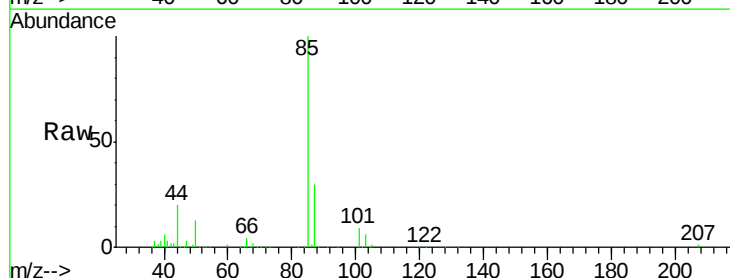
Acq: 11 May 2019 20:53

Tgt Ion: 85 Resp: 348515

Ion Ratio Lower Upper

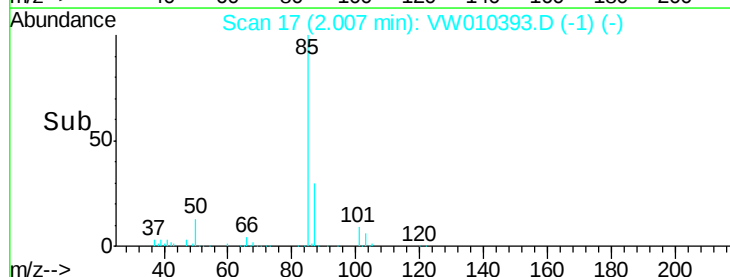
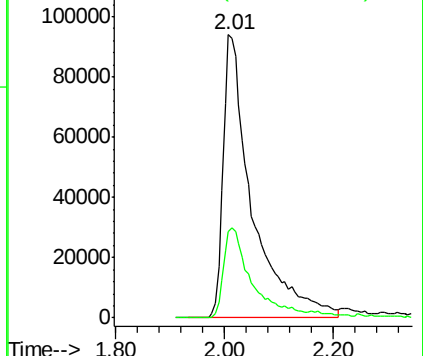
85 100

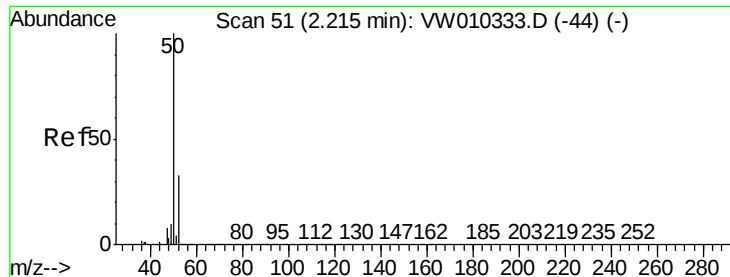
87 30.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 52.282 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion: 50 Resp: 327583

Ion Ratio Lower Upper

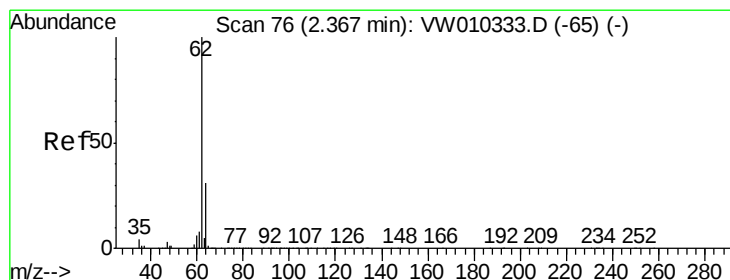
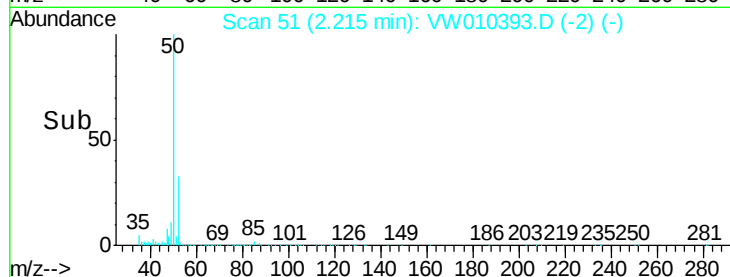
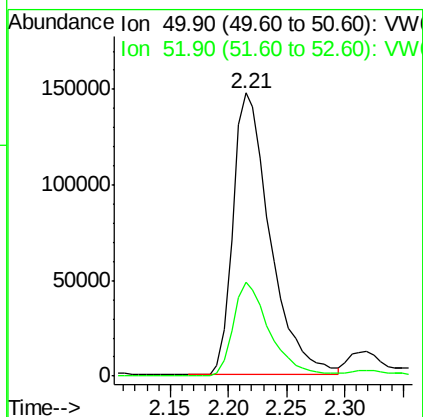
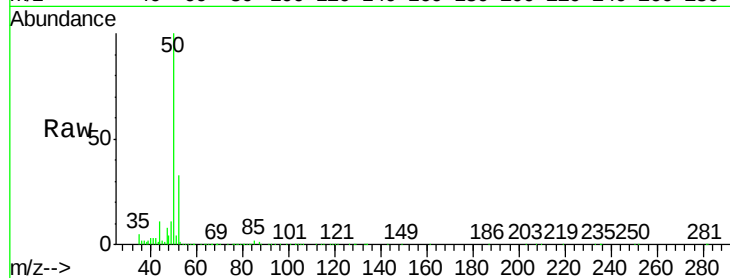
50 100

52 33.3 25.0 37.6

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#4

Vinyl Chloride

Concen: 72.694 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010393.D

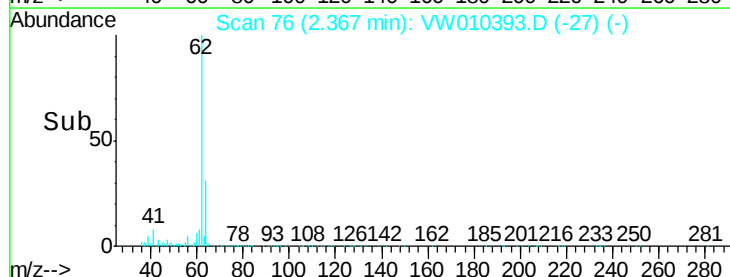
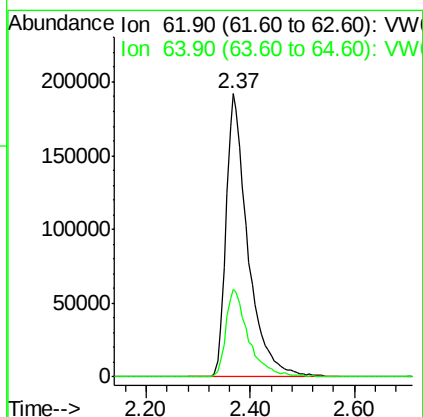
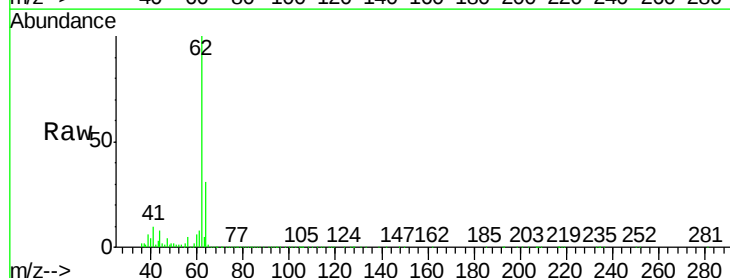
Acq: 11 May 2019 20:53

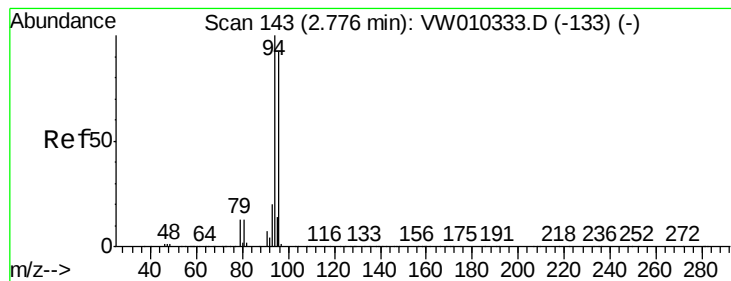
Tgt Ion: 62 Resp: 566058

Ion Ratio Lower Upper

62 100

64 31.1 25.9 38.9





#5

Bromomethane

Concen: 21.917 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

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Tot Ion: 94 Resp: 98417

Ion Ratio Lower Upper

94 100

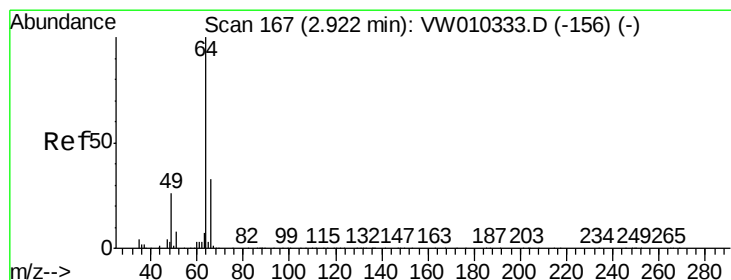
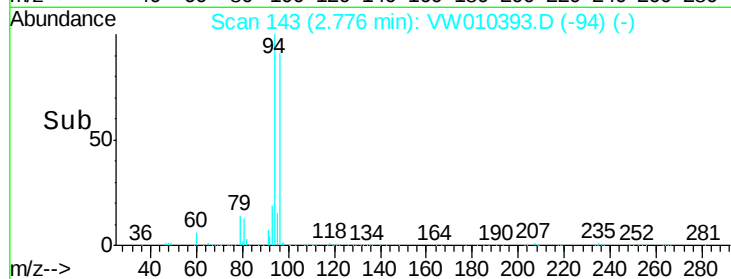
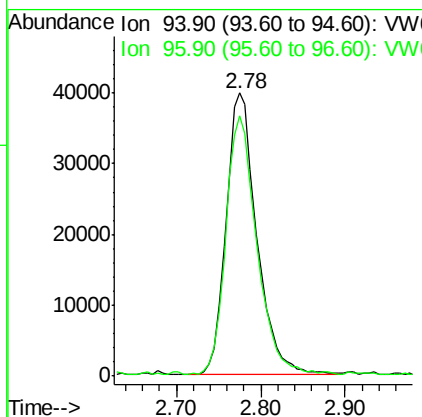
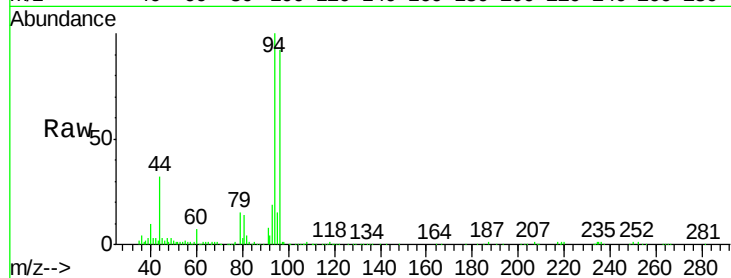
96 91.7 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 82.179 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010393.D

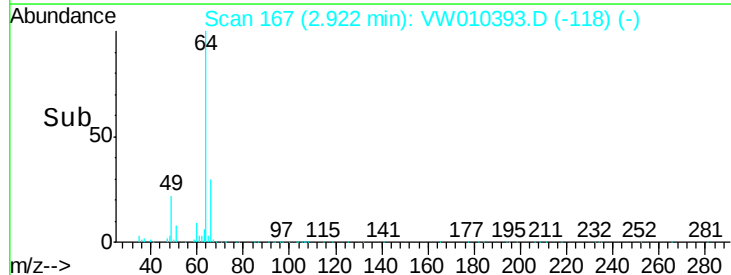
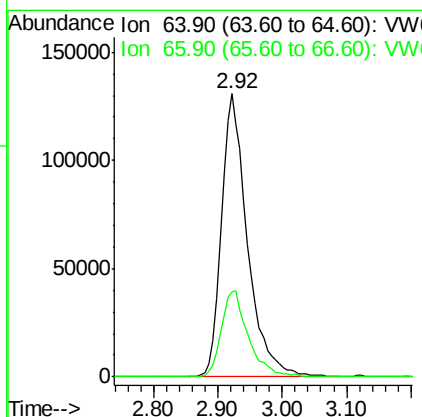
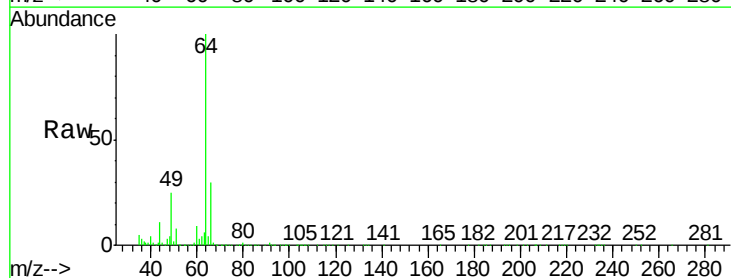
Acq: 11 May 2019 20:53

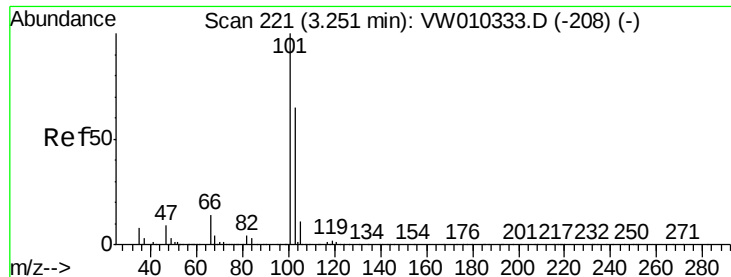
Tgt Ion: 64 Resp: 370067

Ion Ratio Lower Upper

64 100

66 29.8 23.4 35.0





#7

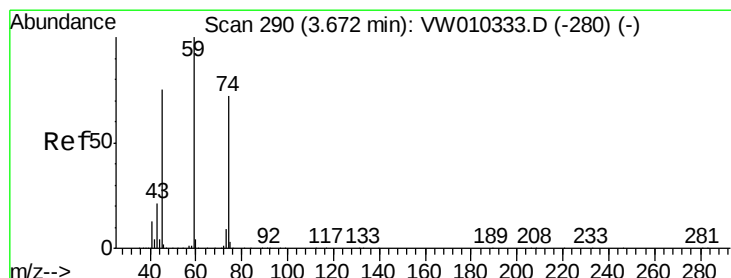
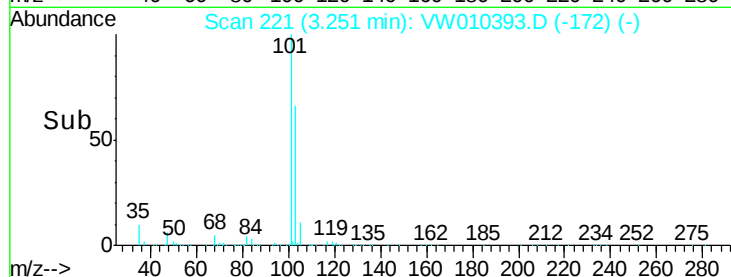
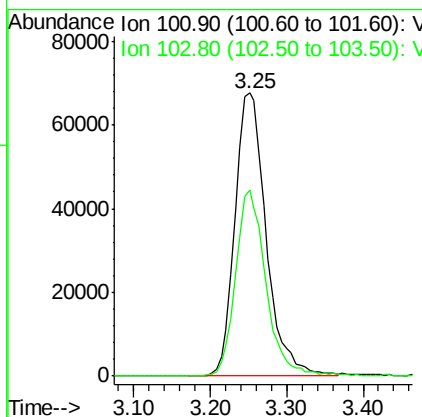
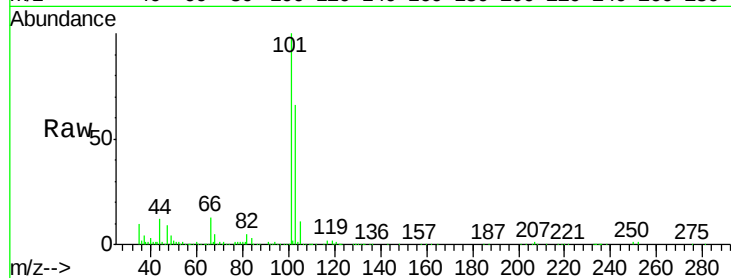
Trichlorofluoromethane
Concen: 49.134 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010393.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	49.8	74.6

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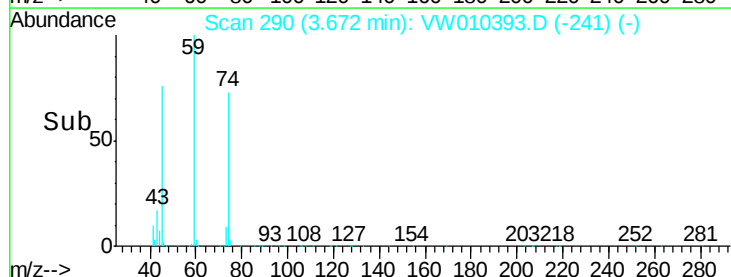
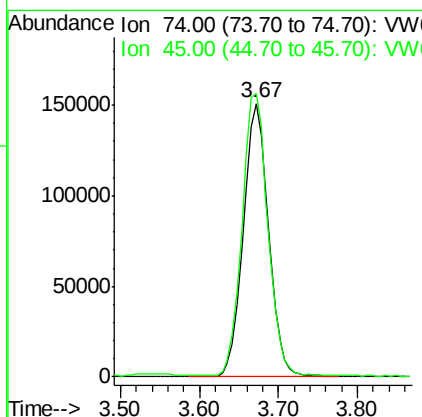
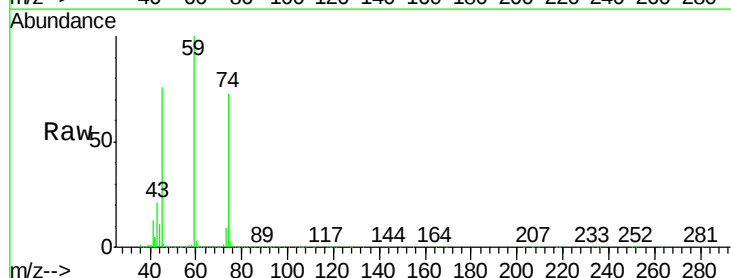
MMDadoda
5/13/2019 3:44:12 AM

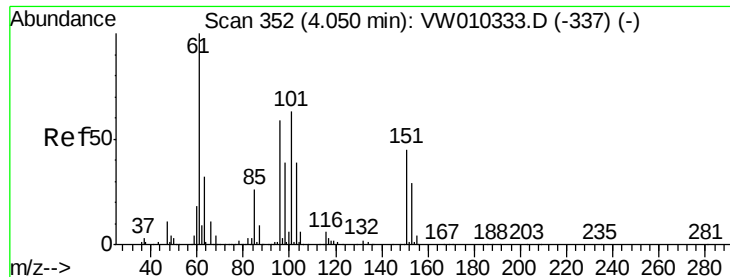


#8

Diethyl Ether
Concen: 97.872 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.6	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.495 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

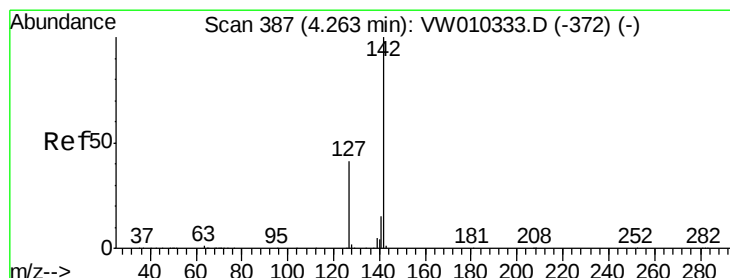
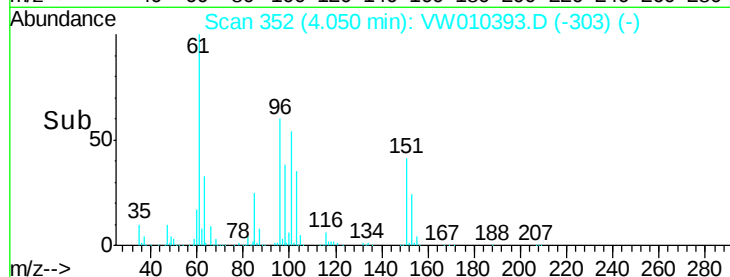
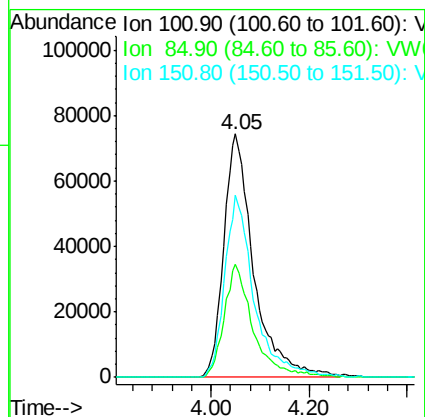
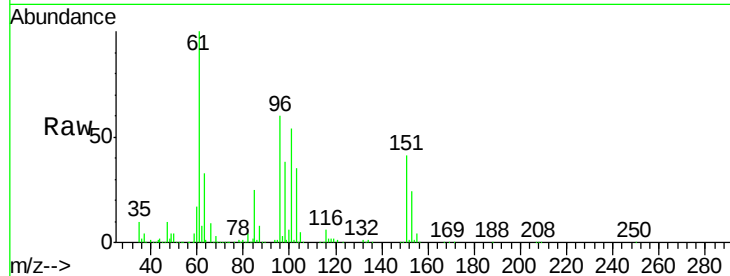
ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion:	101	Resp:	316144
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.3	54.5
151	73.6	60.2	90.2

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#10

Methyl Iodide

Concen: 11.569 ug/l

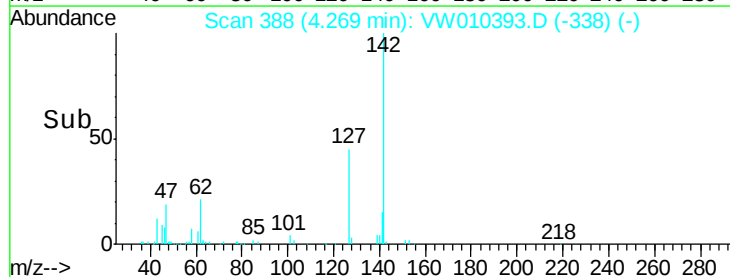
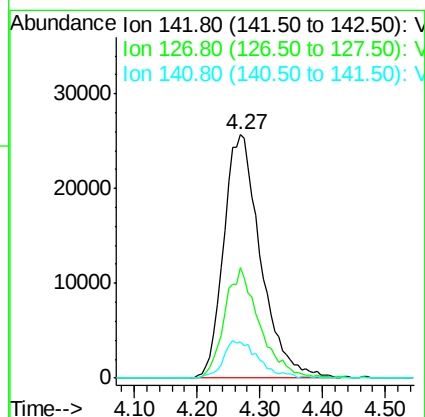
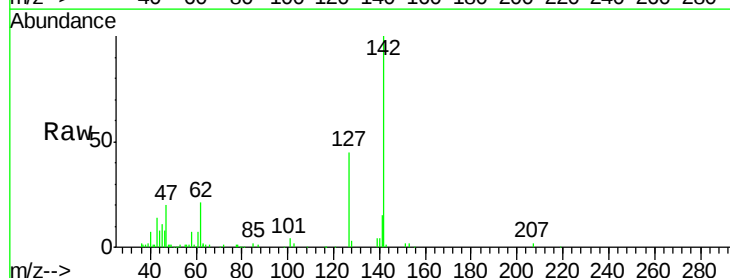
RT: 4.27 min Scan# 388

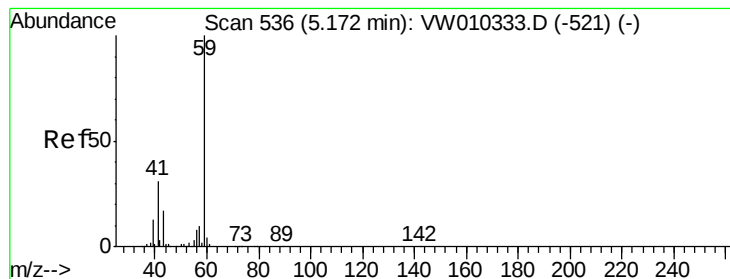
Delta R.T. 0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Tgt Ion:	142	Resp:	104644
Ion Ratio	Lower	Upper	
142	100		
127	42.9	38.1	57.1
141	14.6	12.2	18.2





#11

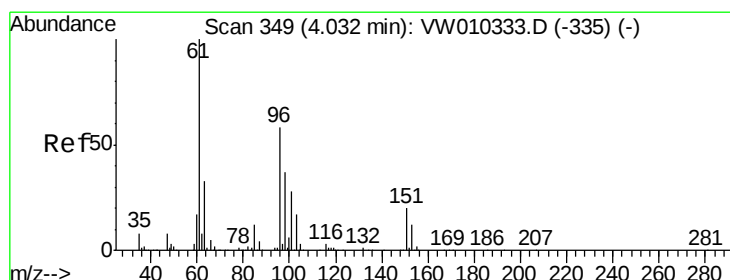
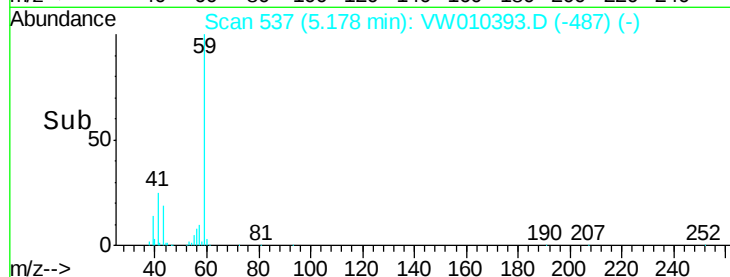
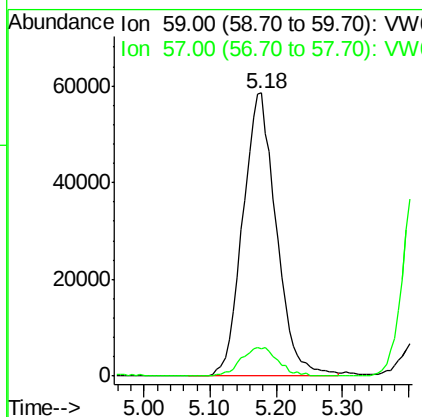
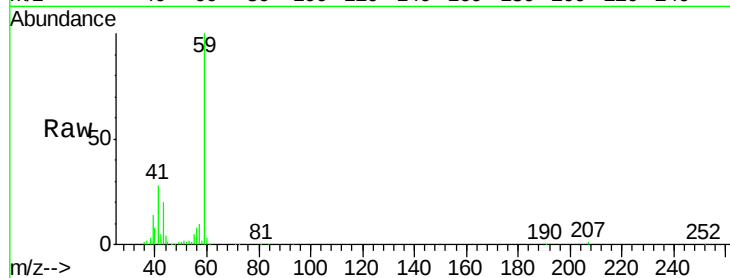
Tert butyl alcohol
Concen: 449.752 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.4

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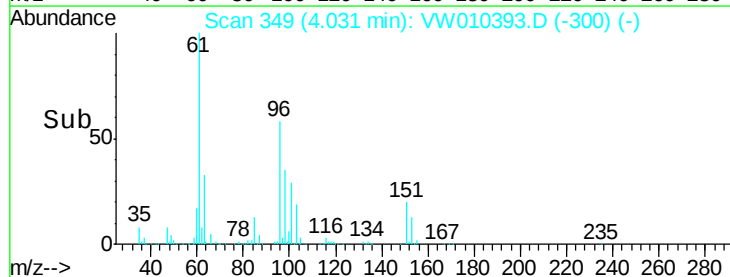
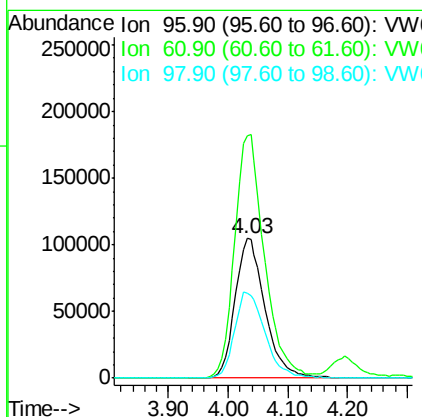
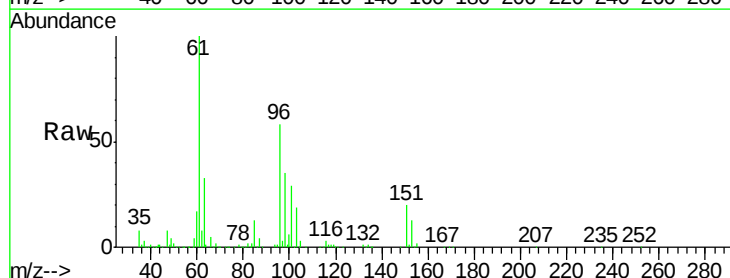
MMDadoda
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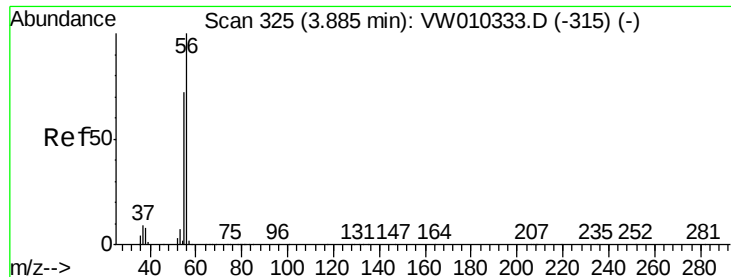


#12

1,1-Dichloroethene
Concen: 54.510 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.6	147.4	221.2
98	61.1	49.7	74.5





#13

Acrolein

Concen: 1.053 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion: 56 Resp: 639

Ion Ratio Lower Upper

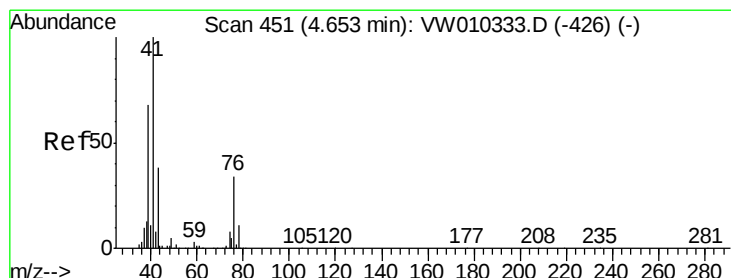
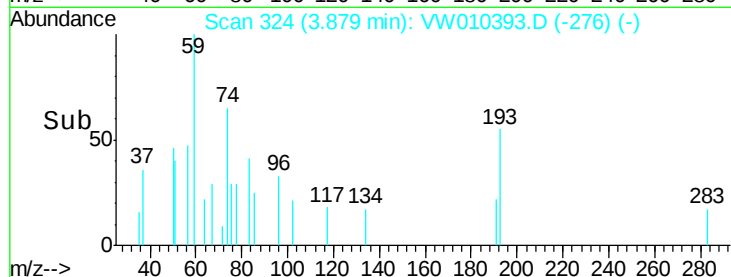
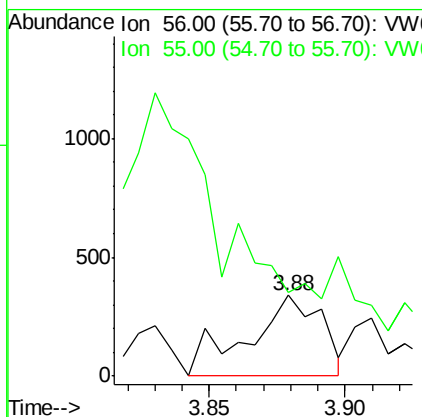
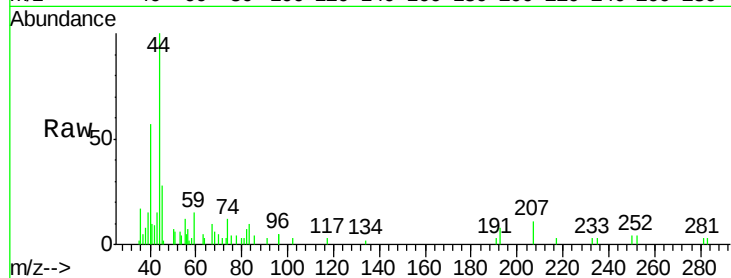
56 100

55 0.0 54.2 81.2#

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#14

Allyl chloride

Concen: 37.377 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

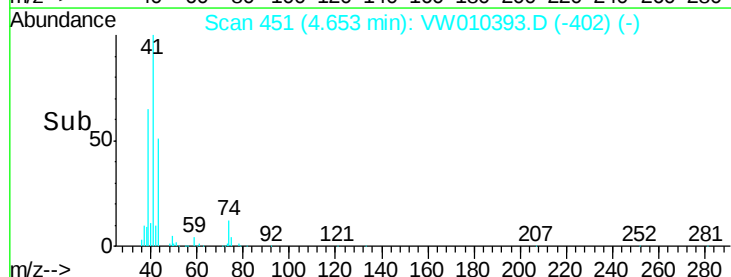
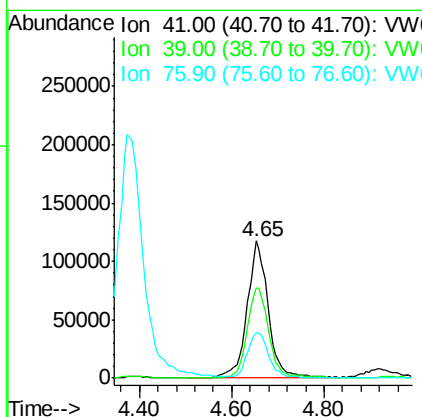
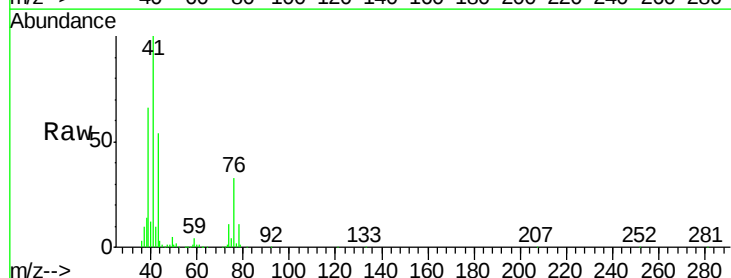
Tgt Ion: 41 Resp: 372386

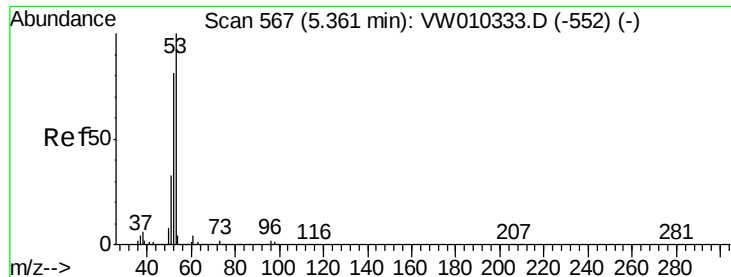
Ion Ratio Lower Upper

41 100

39 67.2 60.2 90.4

76 31.1 25.0 37.6





#15

Acrylonitrile

Concen: 113.852 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

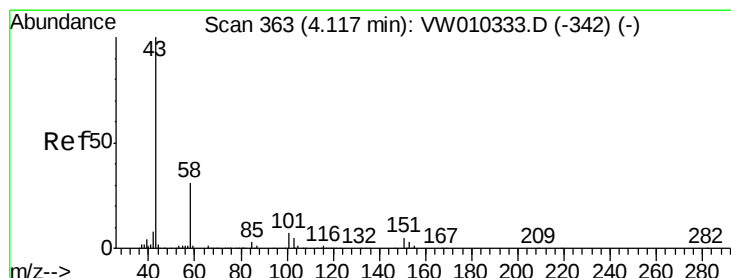
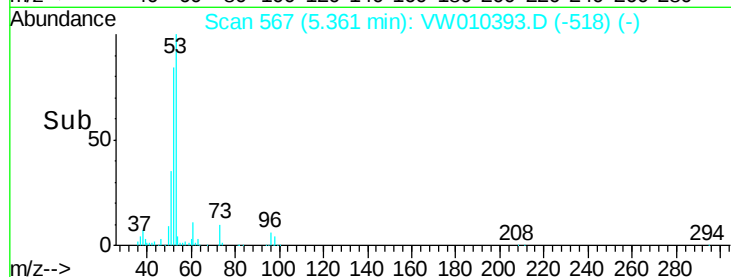
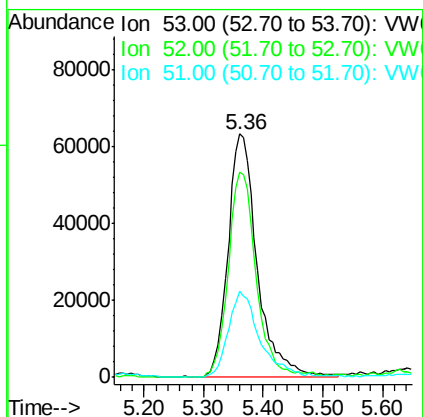
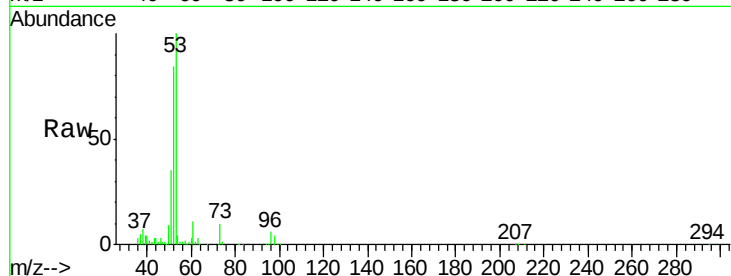
ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion:	53	Resp:	216253
Ion Ratio	Lower	Upper	
53	100		
52	80.4	66.6	100.0
51	37.7	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 506.228 ug/l

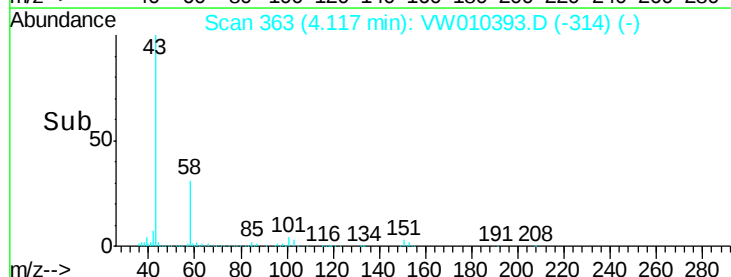
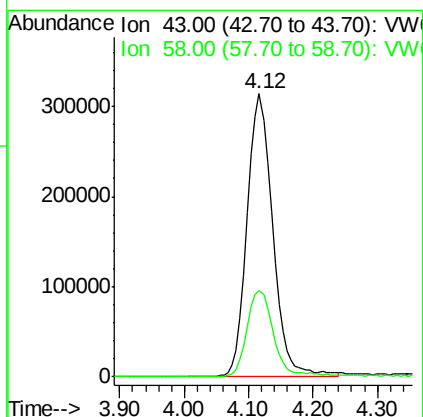
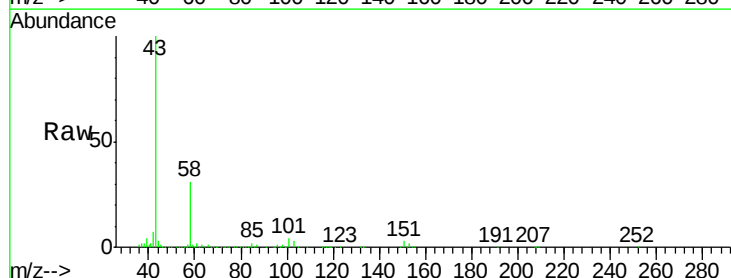
RT: 4.12 min Scan# 363

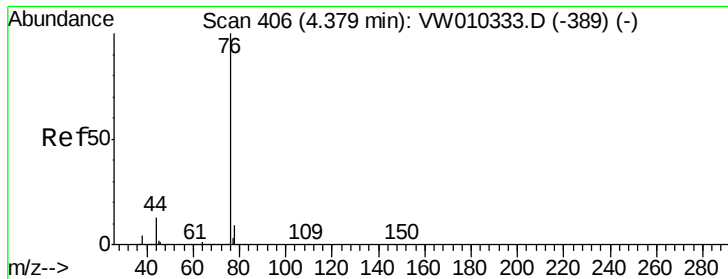
Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Tgt Ion:	43	Resp:	858777
Ion Ratio	Lower	Upper	
43	100		
58	30.5	22.7	34.1





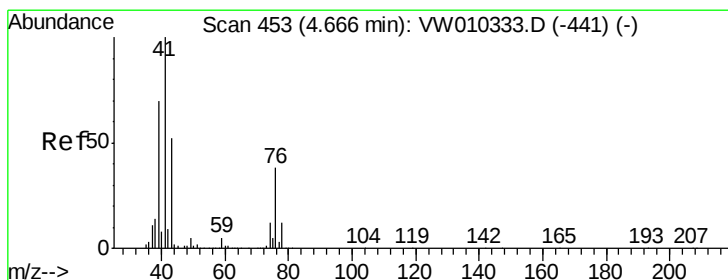
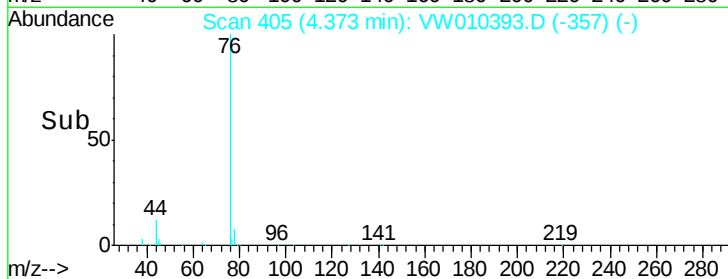
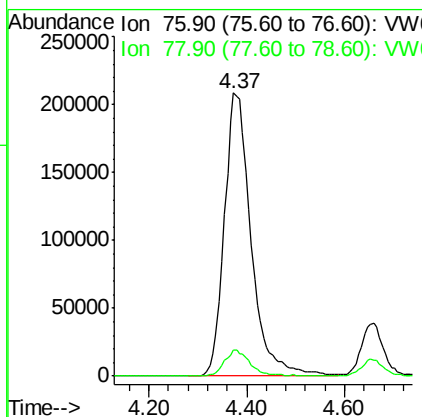
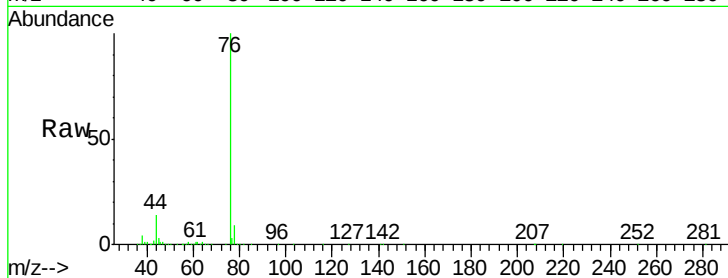
#17
Carbon Disulfide
Concen: 39.358 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

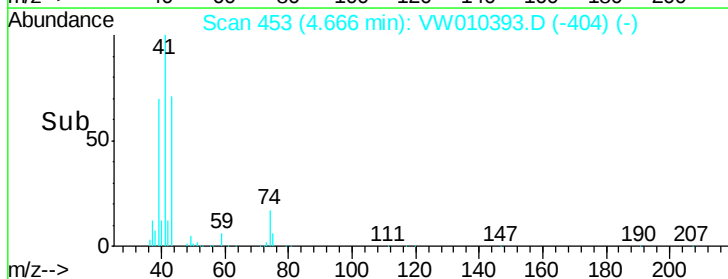
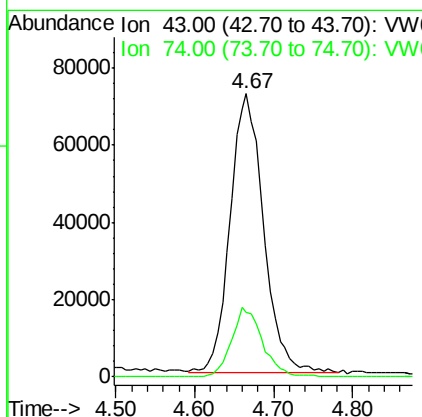
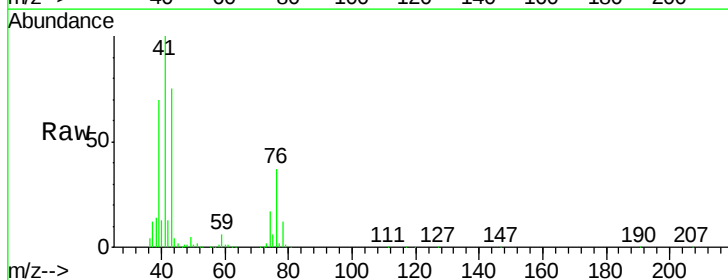
Manual Integrations
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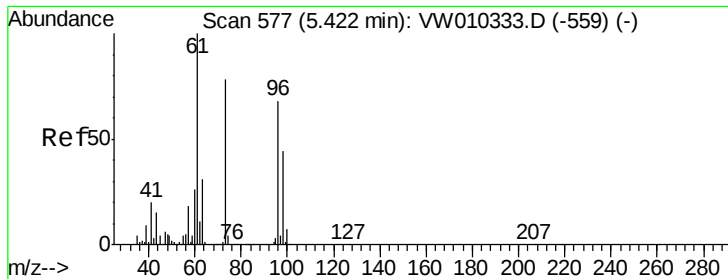
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#18
Methyl Acetate
Concen: 50.456 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	16.8	25.2





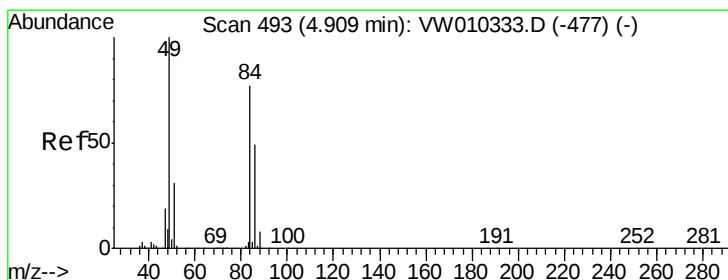
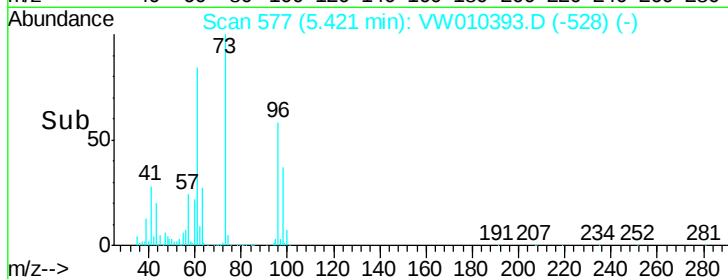
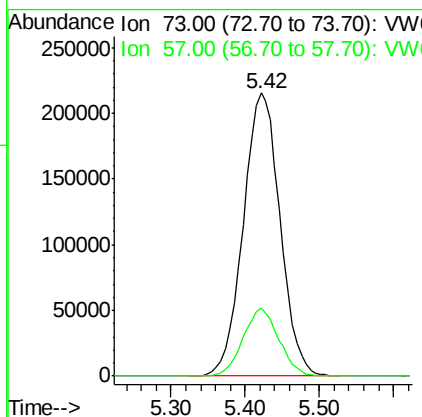
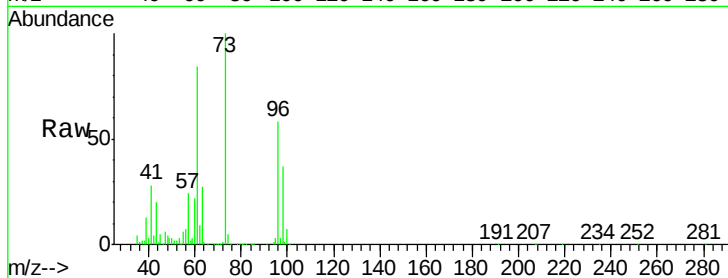
#19
Methvl tert-butvl Ether
Concen: 93.880 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.5	27.7

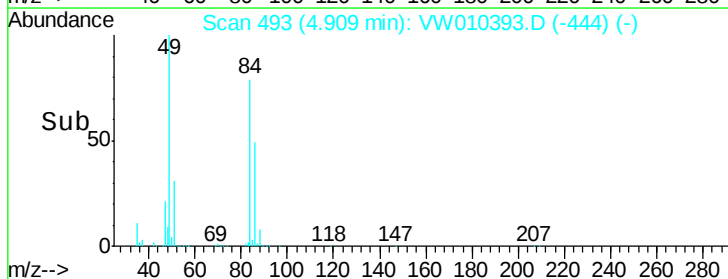
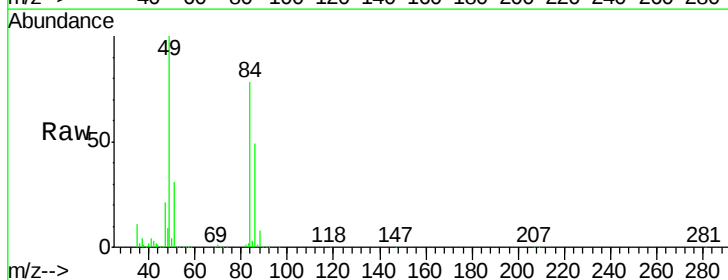
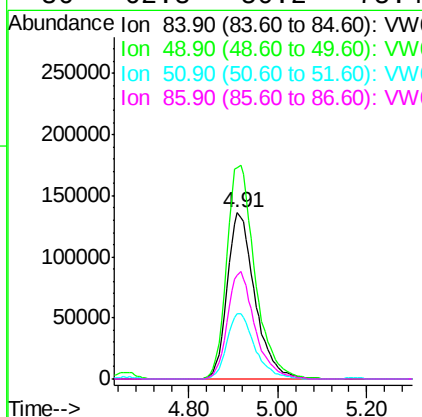
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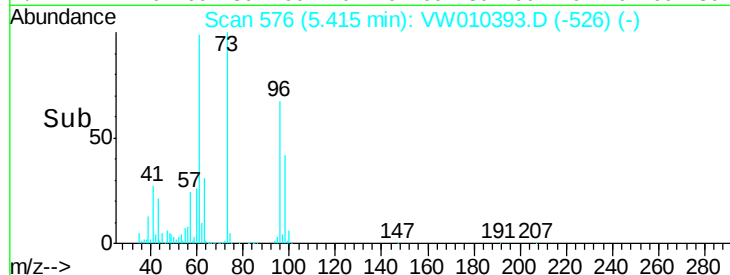
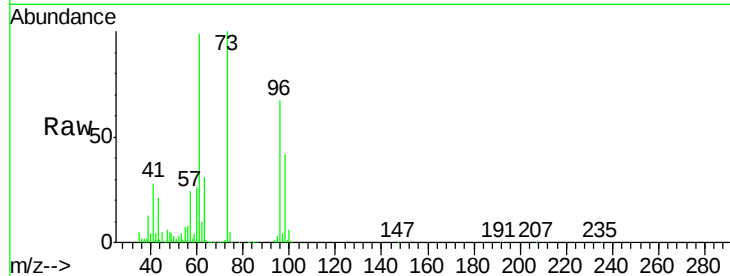
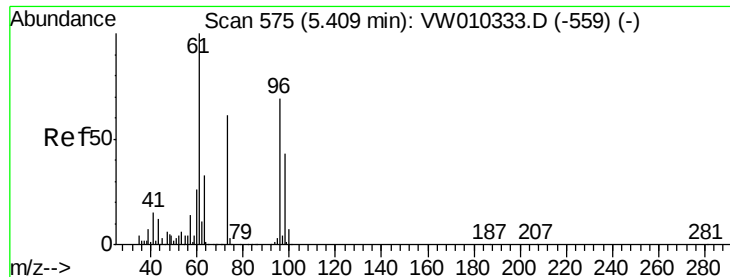
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#20
Methylene Chloride
Concen: 83.356 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.5	112.3	168.5
51	39.6	33.9	50.9
86	62.8	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 60.845 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Tot Ion:	96	Resp:	437143
Ion	Ratio	Lower	Upper
96	100		
61	148.5	122.3	183.5
98	62.6	50.5	75.7

Instrument :

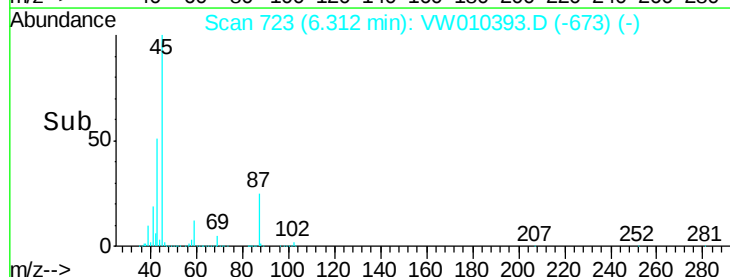
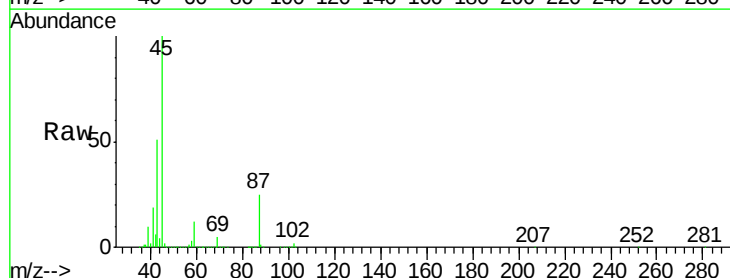
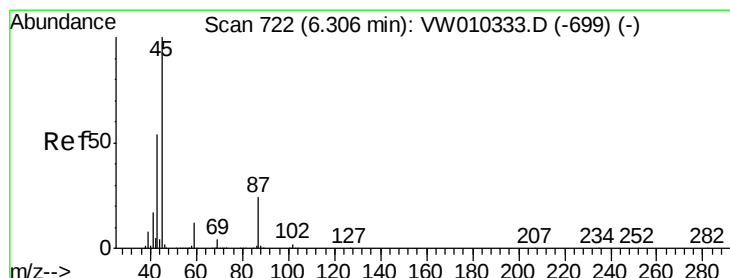
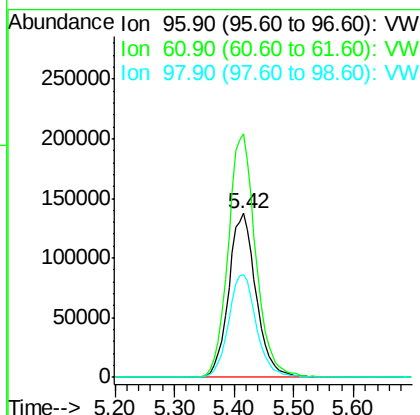
MSVOA_W

ClientSampleId :

P026-SS008-0206-01MSD

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#22

Diisopropyl ether

Concen: 86.485 ug/l

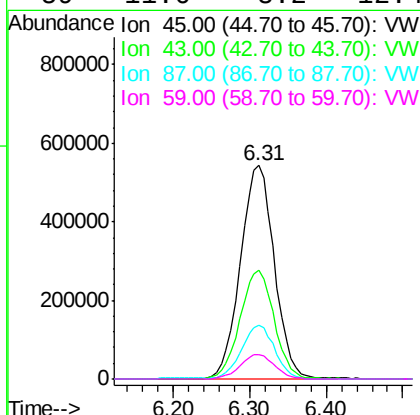
RT: 6.31 min Scan# 723

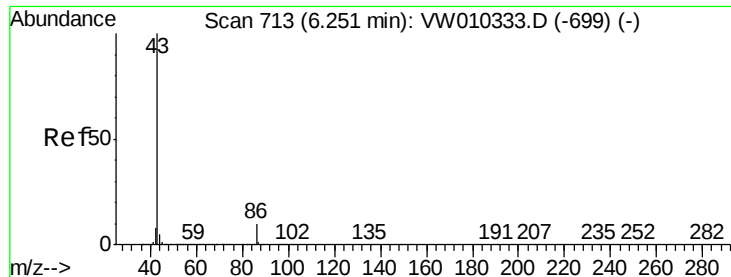
Delta R.T. 0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Tgt Ion:	45	Resp:	1672268
Ion	Ratio	Lower	Upper
45	100		
43	50.9	46.1	69.1
87	25.4	18.3	27.5
59	11.6	8.2	12.4





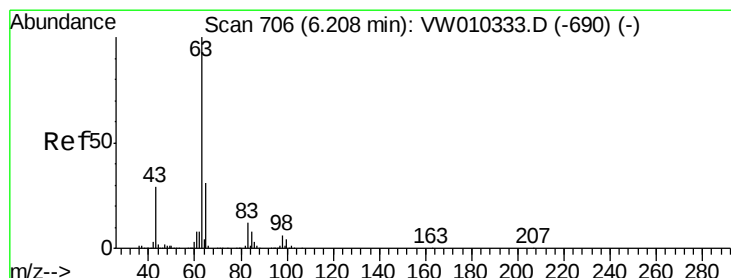
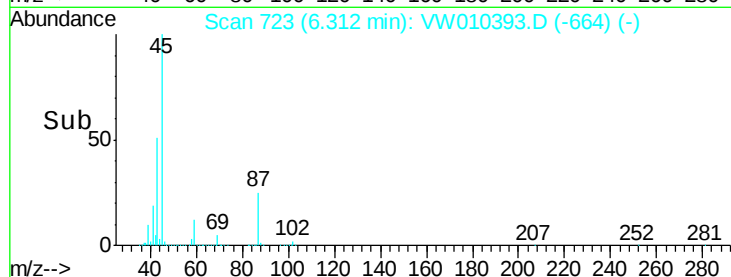
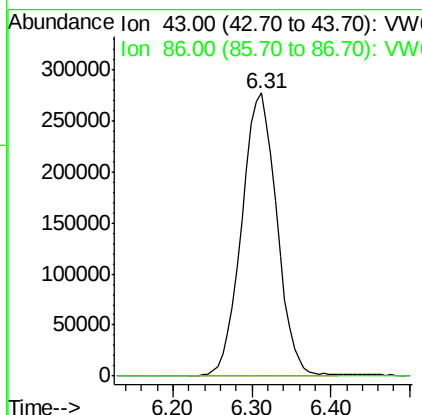
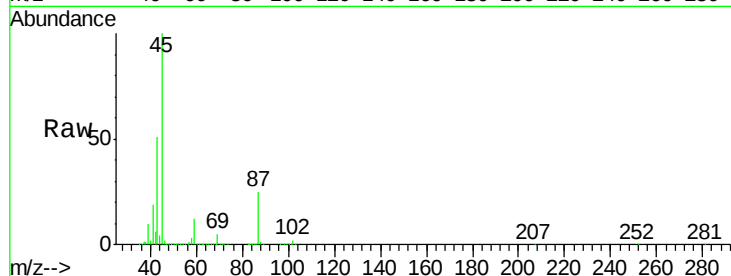
#23
 Vinyl Acetate
 Concen: 64.486 ug/l
 RT: 6.31 min Scan# 723
 Delta R.T. 0.06 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
86	0.2	7.0	10.6#

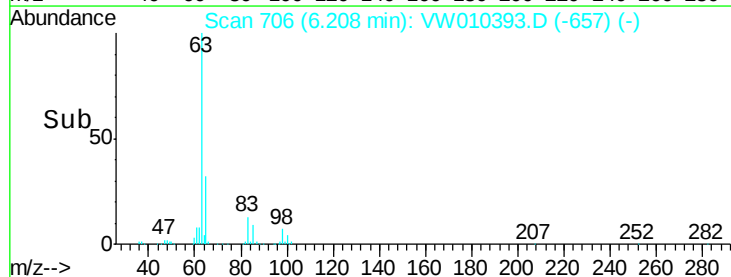
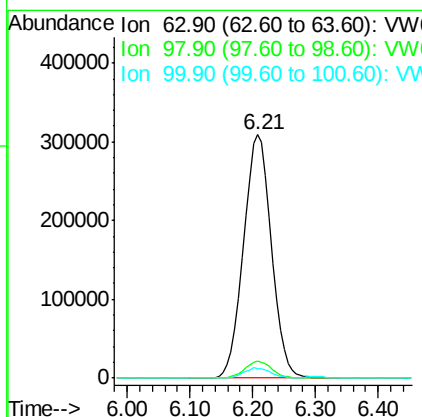
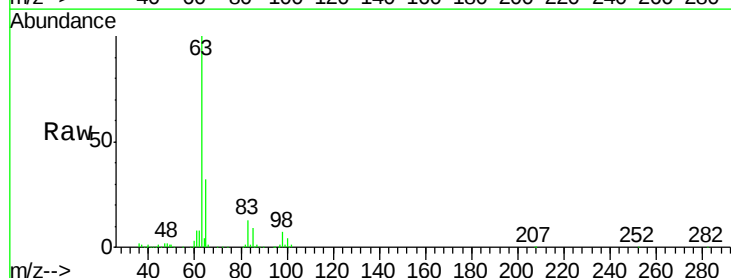
Manual Integrations
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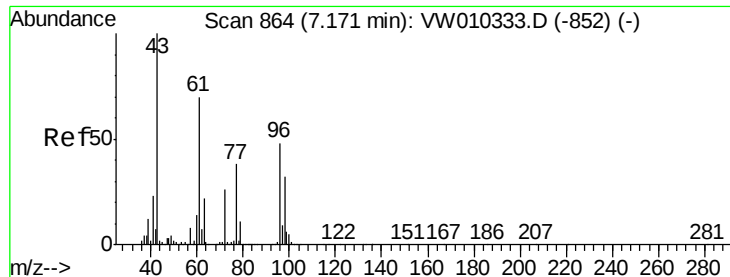
MMDadoda
 5/13/2019 3:44:12 AM



#24
 1,1-Dichloroethane
 Concen: 73.000 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.8
100	4.1	2.0	6.0





#25

2-Butanone

Concen: 187.326 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion: 43 Resp: 486147

Ion Ratio Lower Upper

43 100

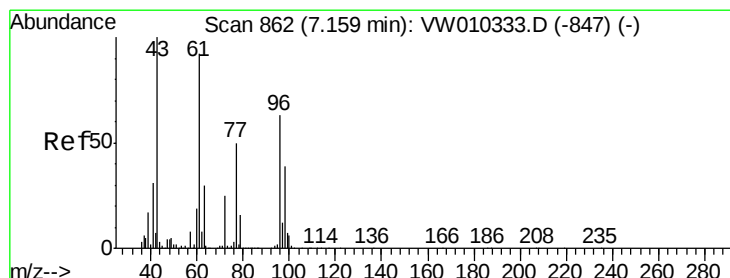
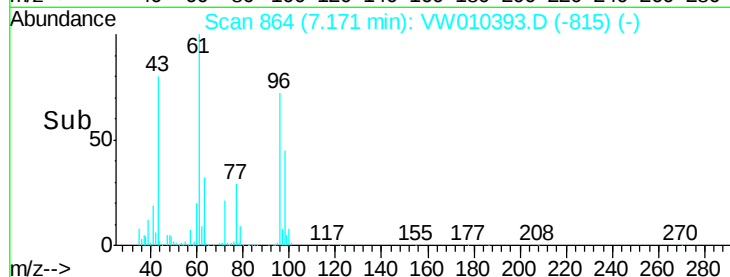
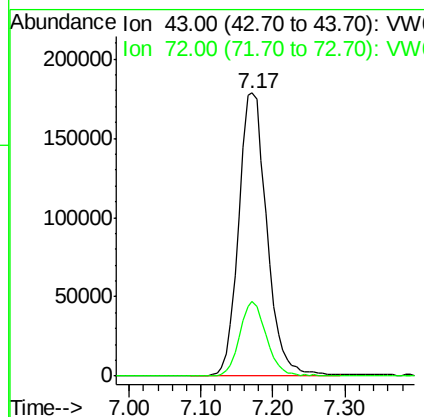
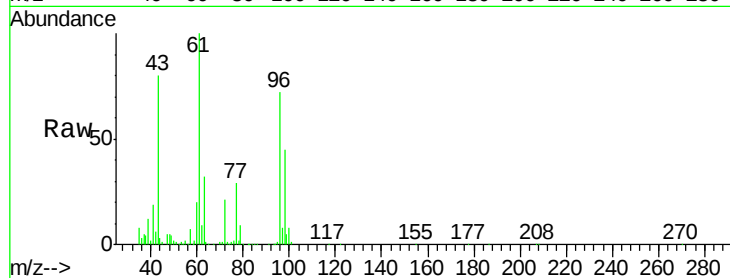
72 26.3 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 33.022 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010393.D

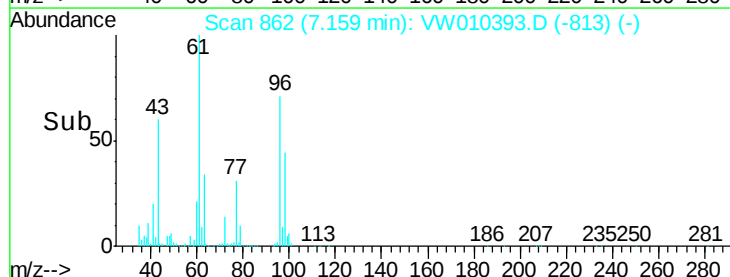
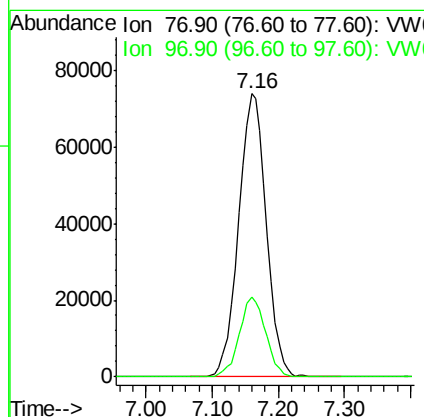
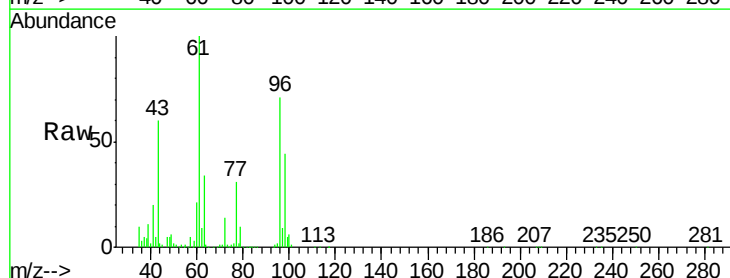
Acq: 11 May 2019 20:53

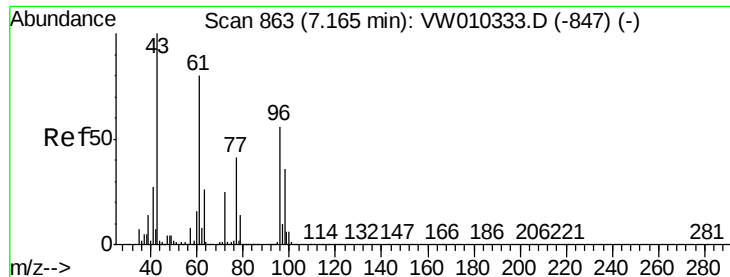
Tgt Ion: 77 Resp: 213887

Ion Ratio Lower Upper

77 100

97 27.0 11.3 33.9





#27

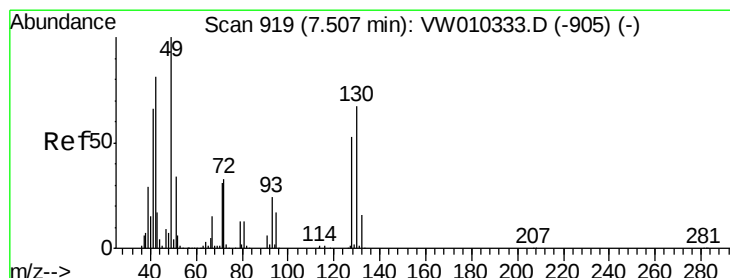
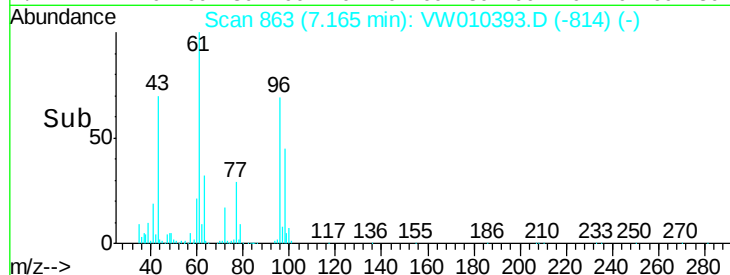
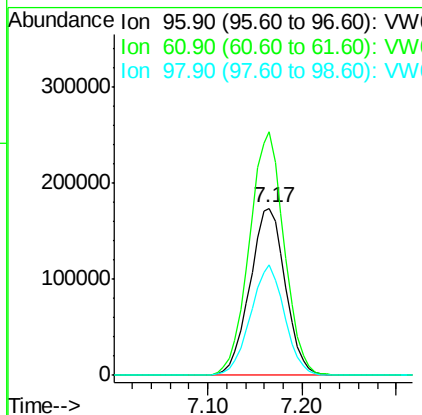
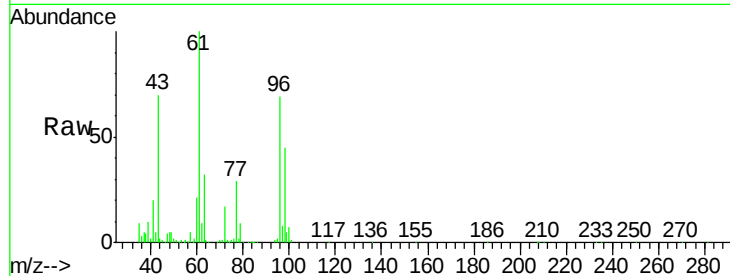
cis-1,2-Dichloroethene
Concen: 61.895 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	457308		
61	143.5	0.0	309.4	
98	63.5	0.0	128.6	

Manual Integrations
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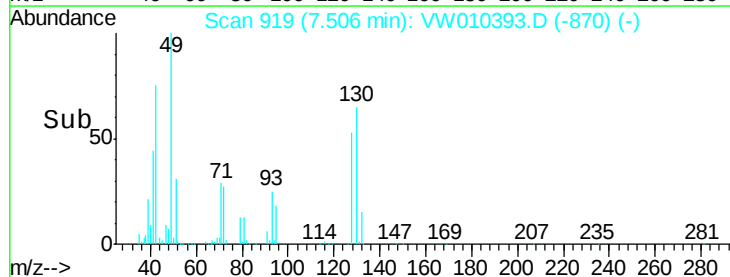
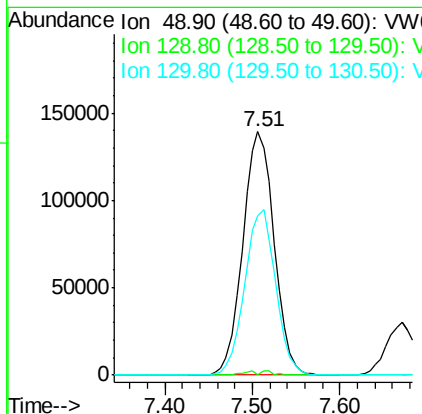
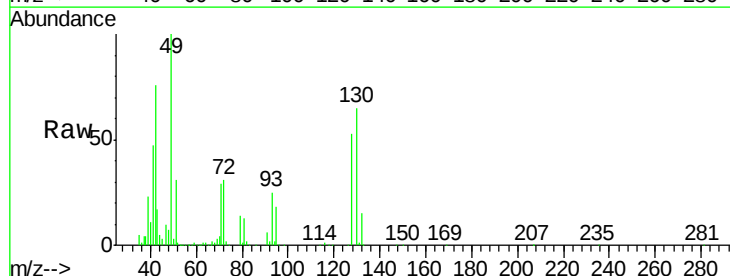
MMDadoda
5/13/2019 3:44:12 AM

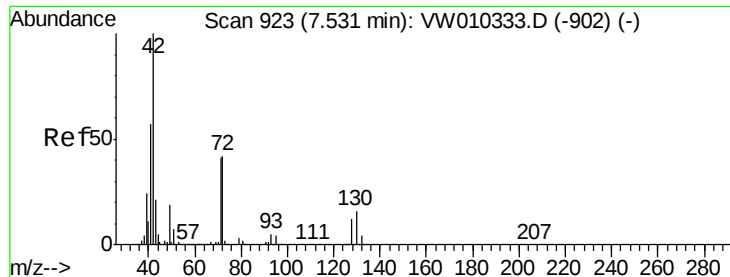


#28

Bromochloromethane
Concen: 71.897 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	345072		
129	0.7	0.0	3.8	
130	67.4	54.6	82.0	





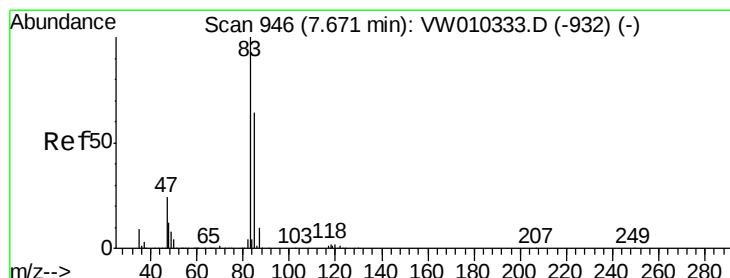
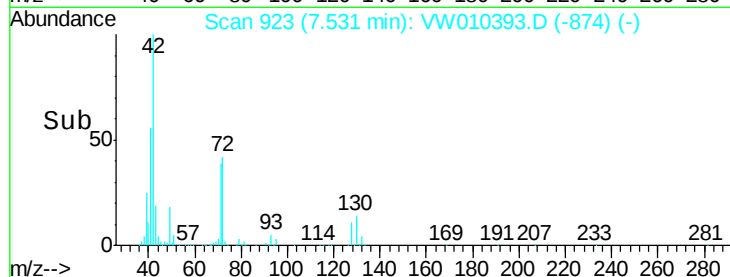
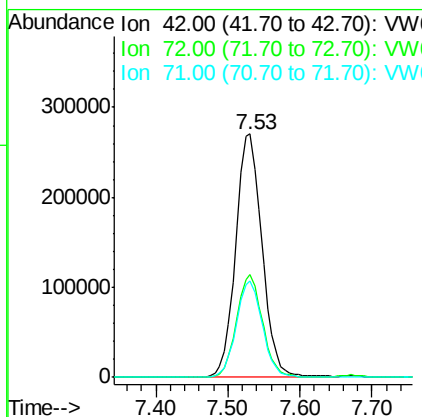
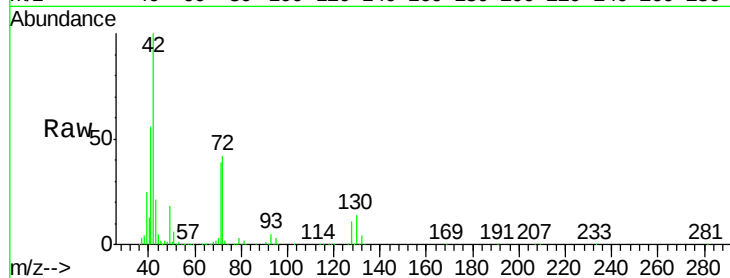
#29
Tetrahydrofuran
Concen: 409.963 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	688157		
72	72	41.7		31.0	46.6
71	71	39.1		29.7	44.5

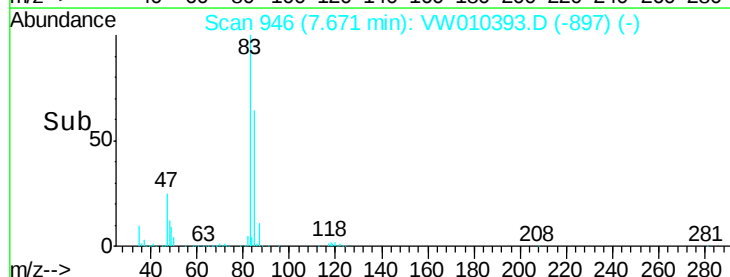
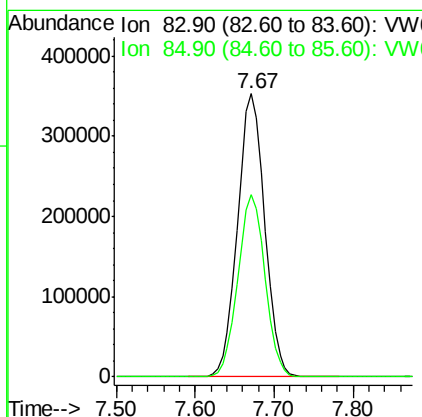
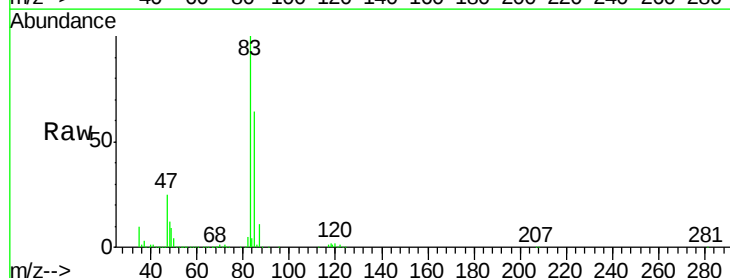
Manual Integrations
APPROVED

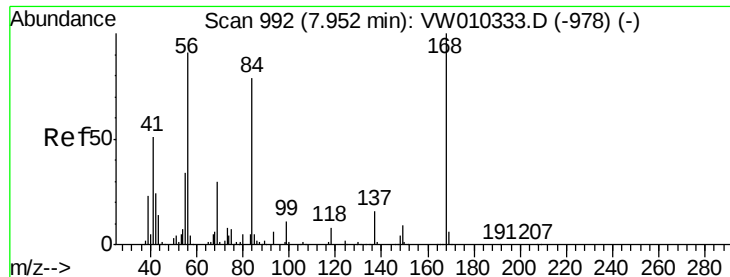
MMDadoda
5/13/2019 3:44:12 AM



#30
Chloroform
Concen: 69.458 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	846225		
85	85	64.4		50.7	76.1





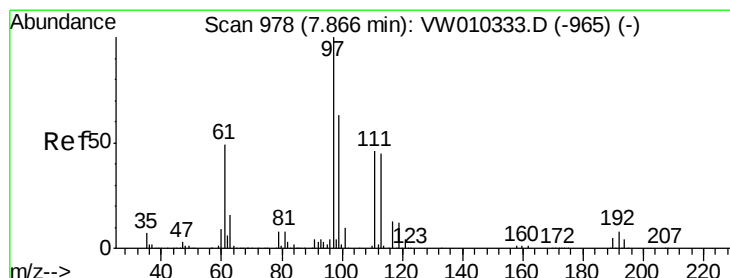
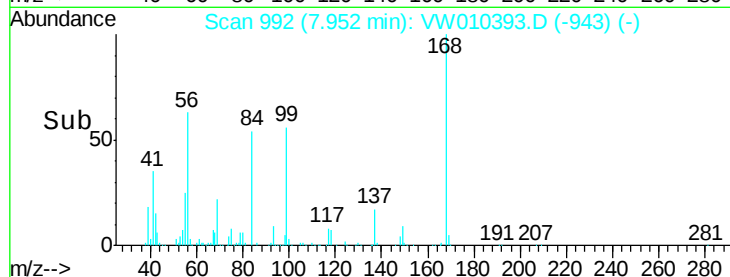
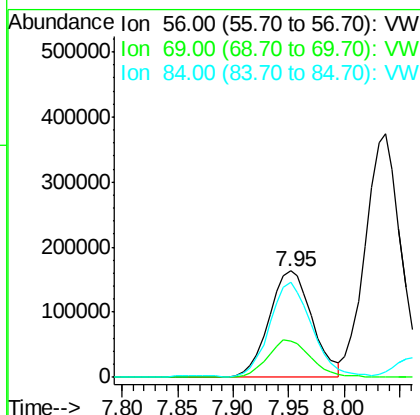
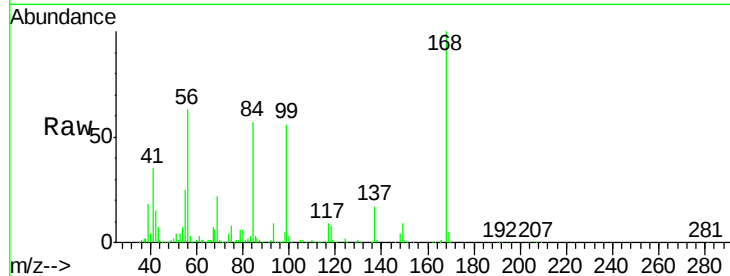
#31
Cyclohexane
Concen: 33.046 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		440481		
69	34.0	26.6	40.0		
84	87.7	66.2	99.2		

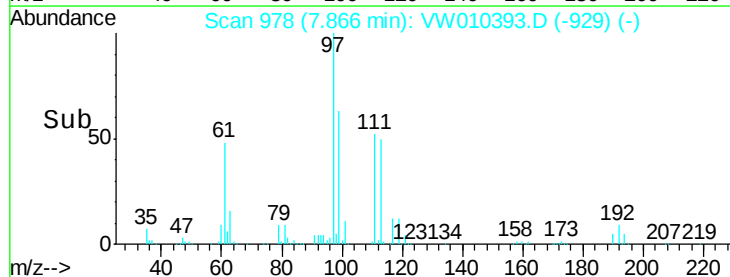
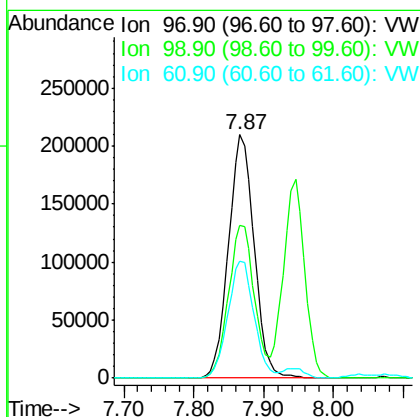
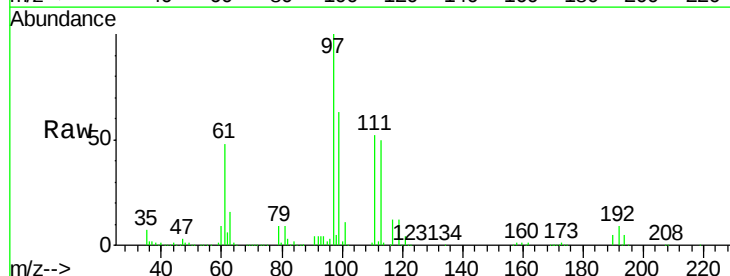
Manual Integrations
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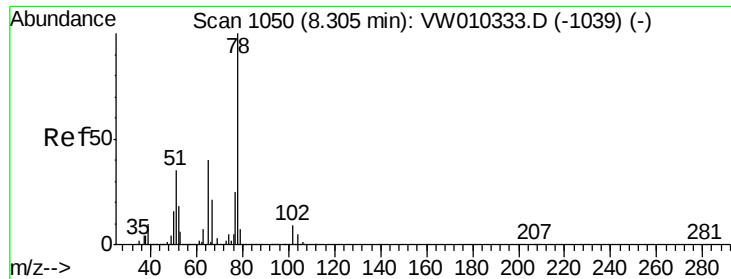
MMDadoda
5/13/2019 3:44:12 AM



#32
1,1,1-Trichloroethane
Concen: 56.669 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		534785		
99	63.5	50.2	75.2		
61	48.7	38.2	57.2		





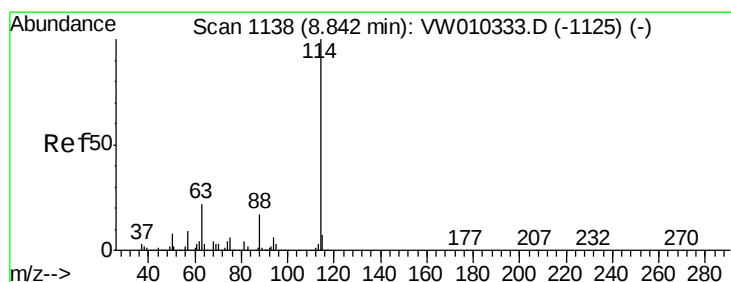
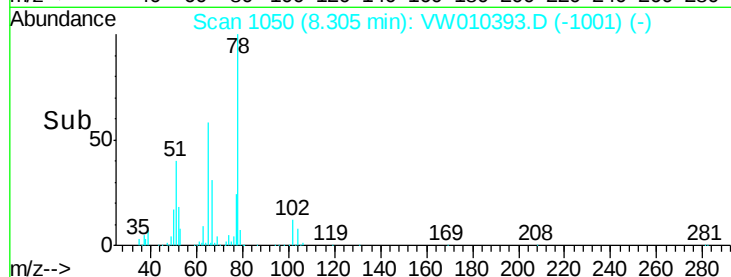
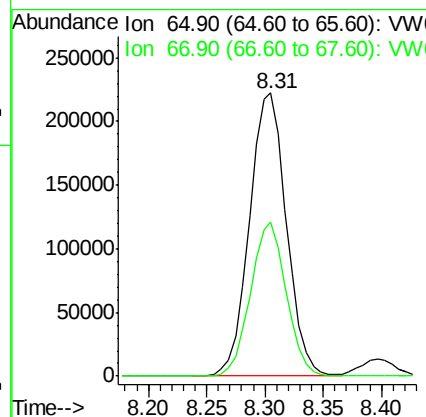
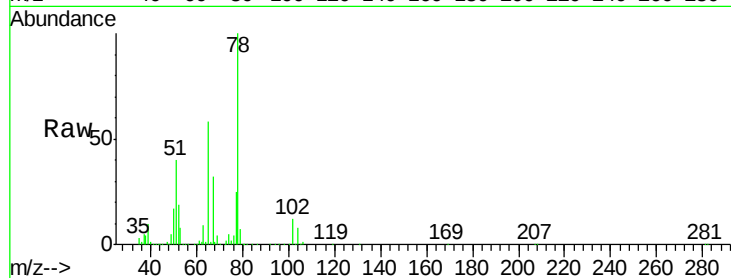
#33
 1,2-Dichloroethane-d4
 Concen: 75.518 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	100.8	

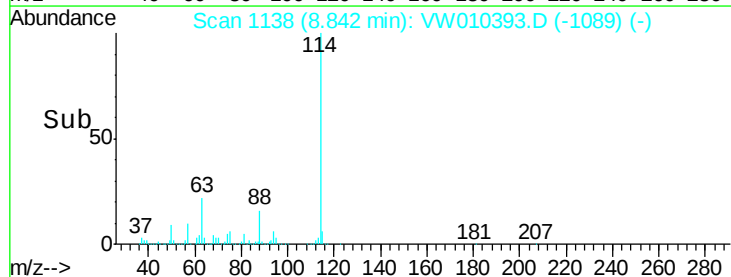
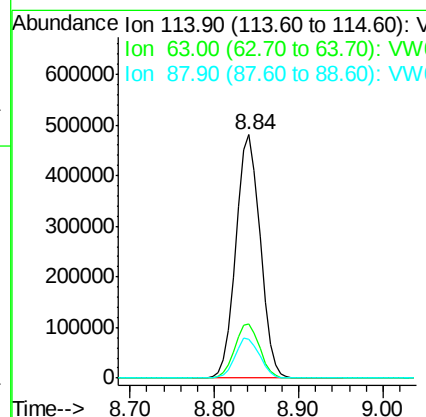
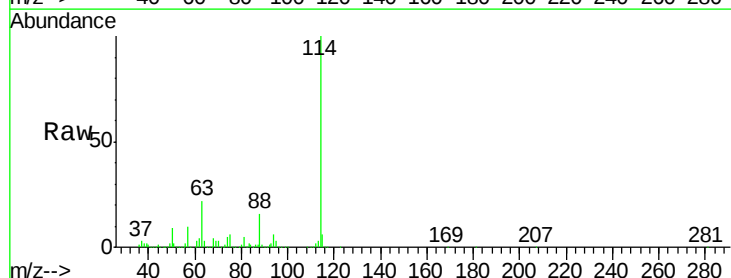
Manual Integrations
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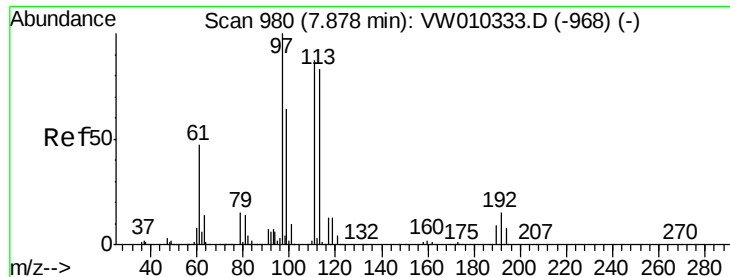
MMDadoda
 5/13/2019 3:44:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	46.2	
88	15.8	0.0	32.6	





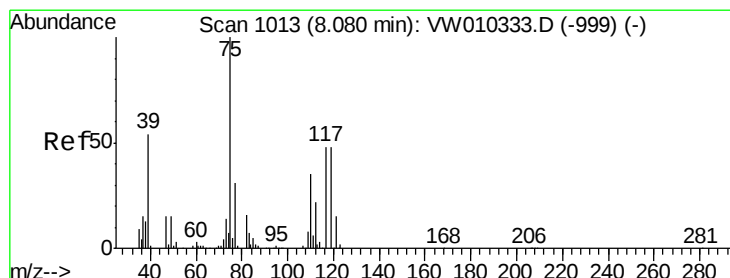
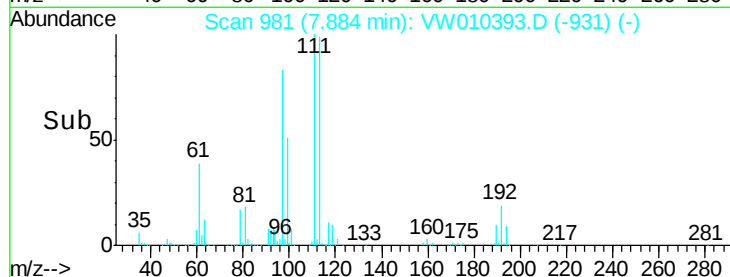
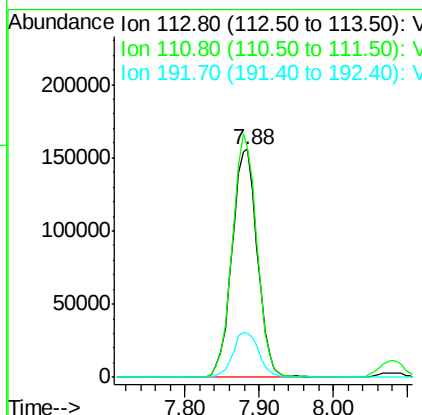
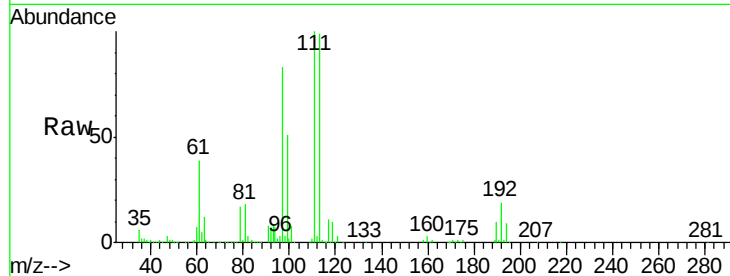
#35
 Dibromofluoromethane
 Concen: 67.863 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	20.1	15.4	23.2

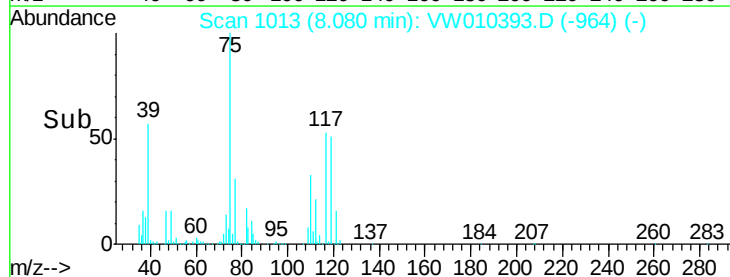
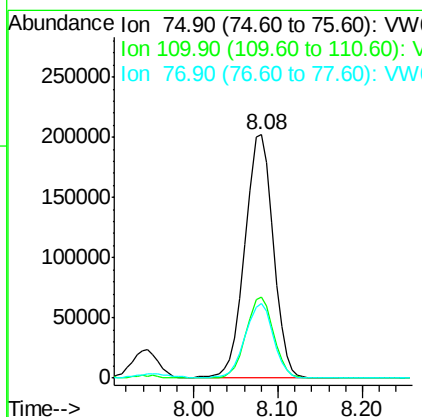
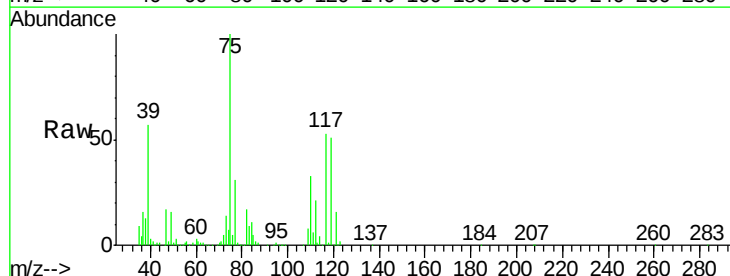
Manual Integrations
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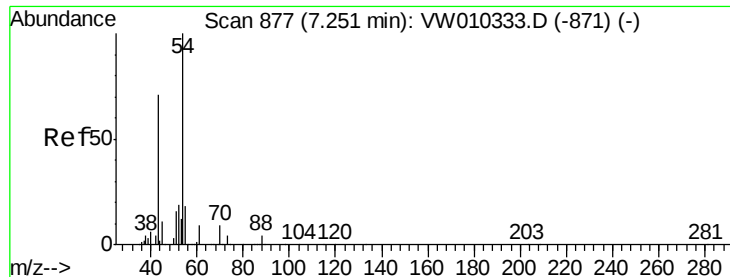
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 45.360 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.6	49.8
77	30.5	24.8	37.2





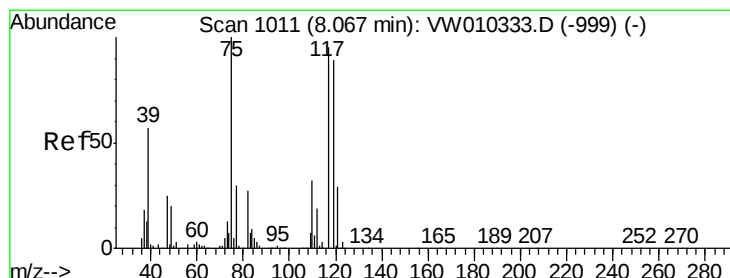
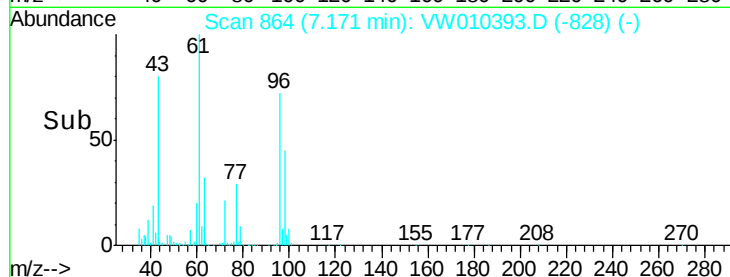
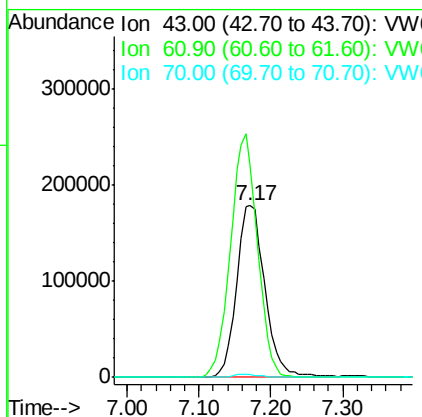
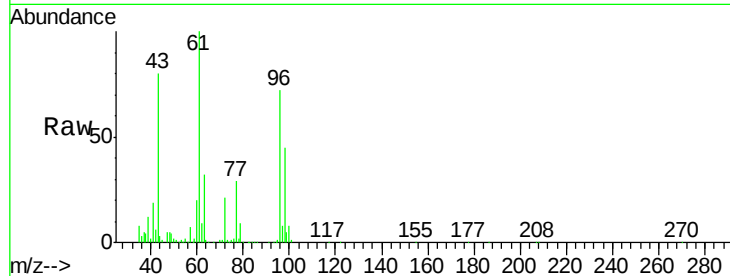
#37
Ethyl Acetate
Concen: 89.730 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	135.0	9.8	14.8#	
70	1.8	7.4	11.0#	

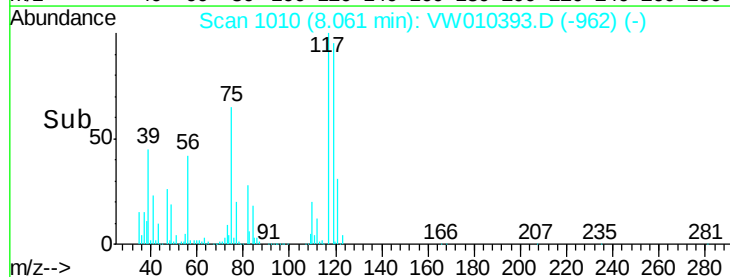
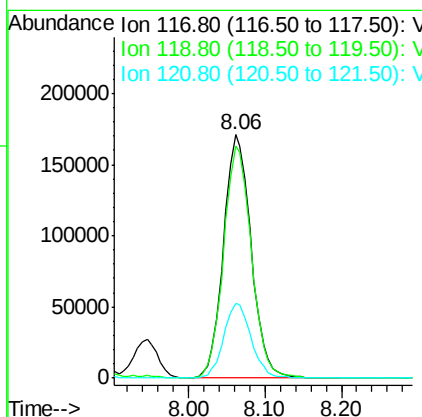
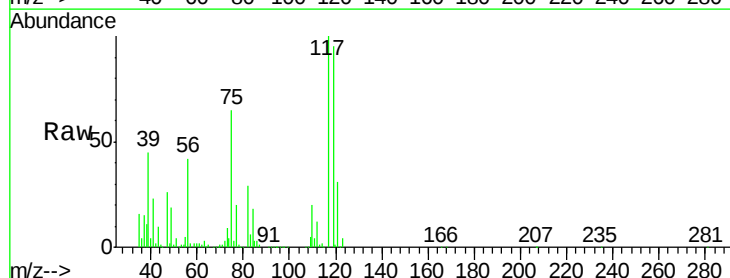
Manual Integrations
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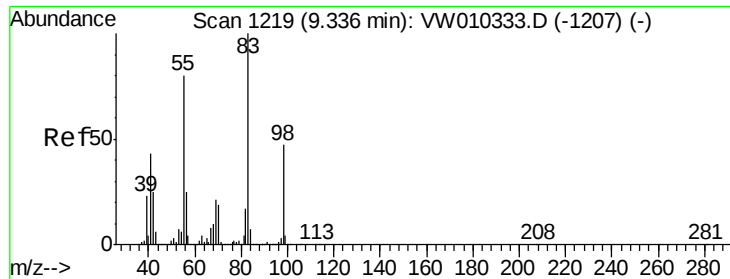
MMDadoda
5/13/2019 3:44:12 AM



#38
Carbon Tetrachloride
Concen: 48.971 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	75.3	112.9	
121	30.6	24.4	36.6	





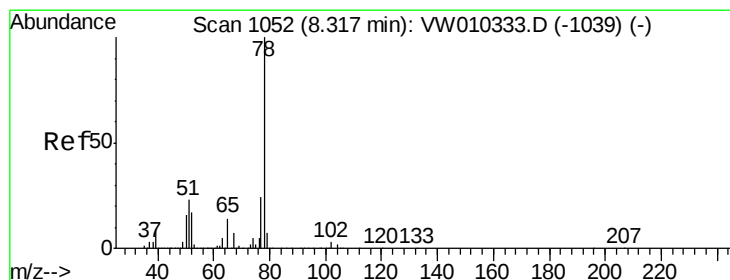
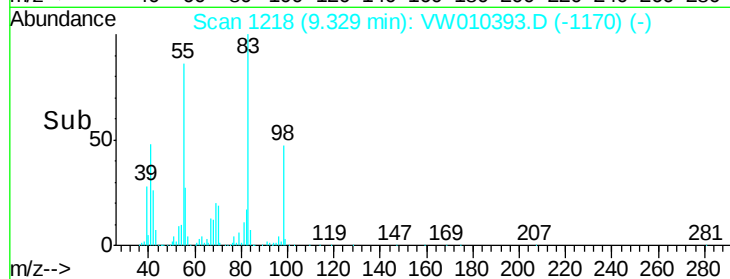
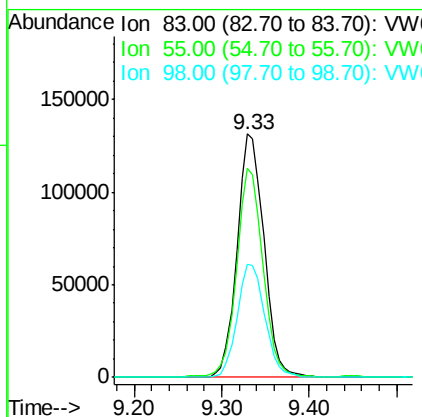
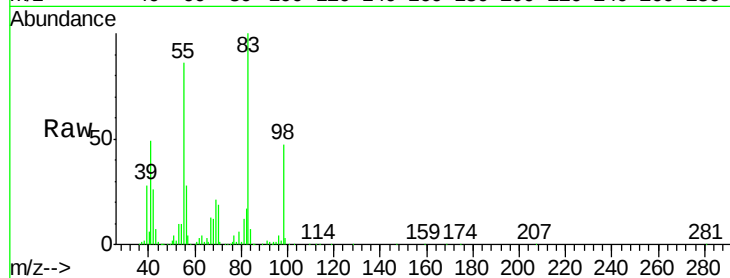
#39
Methvlcvclohexane
Concen: 22.553 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.3	67.1	100.7
98	46.6	39.2	58.8

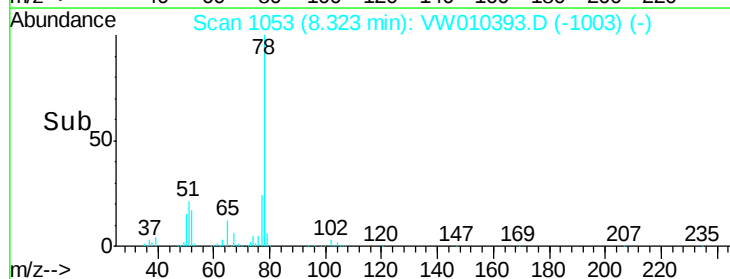
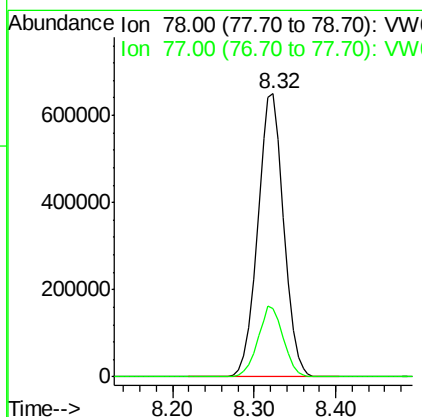
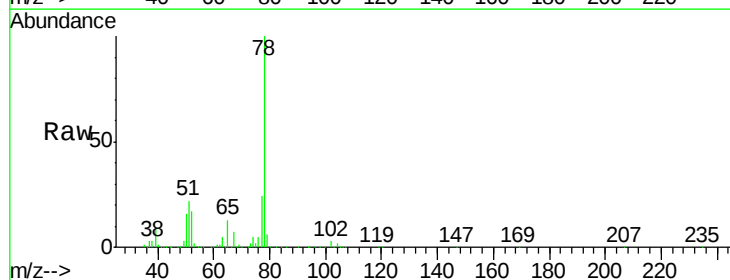
Manual Integrations
APPROVED

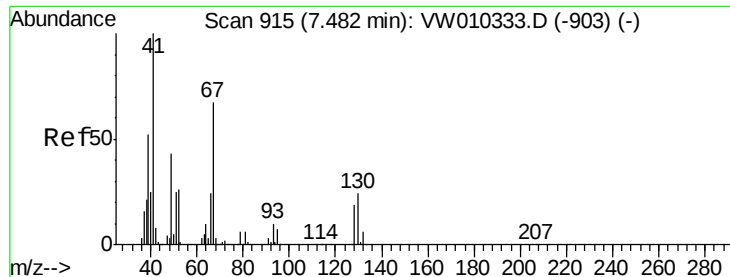
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#40
Benzene
Concen: 51.710 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





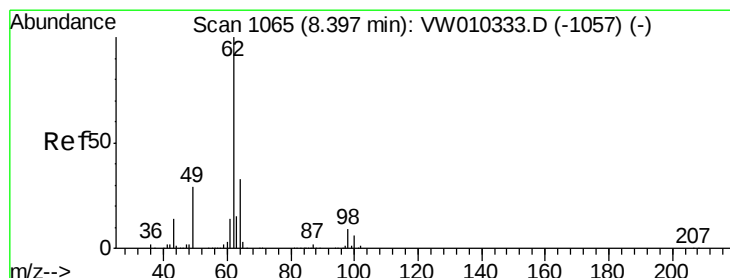
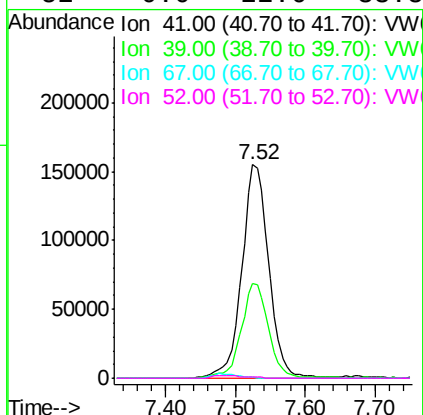
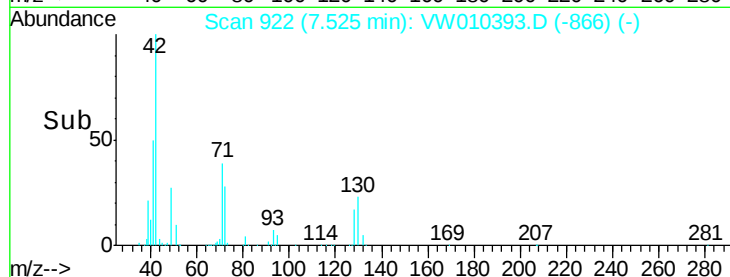
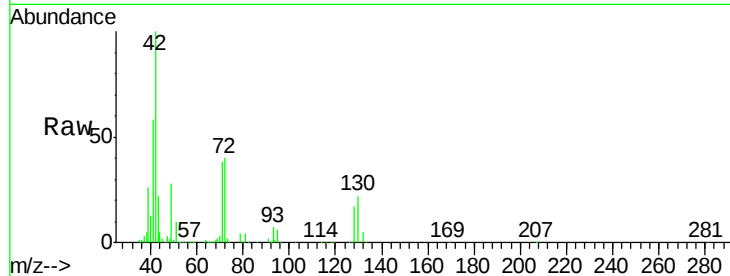
#41
Methacrylonitrile
Concen: 135.770 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.8	45.0	67.4#
67	0.0	50.7	76.1#
52	0.0	22.6	33.8#

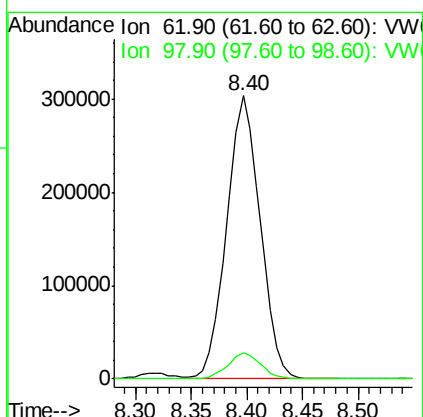
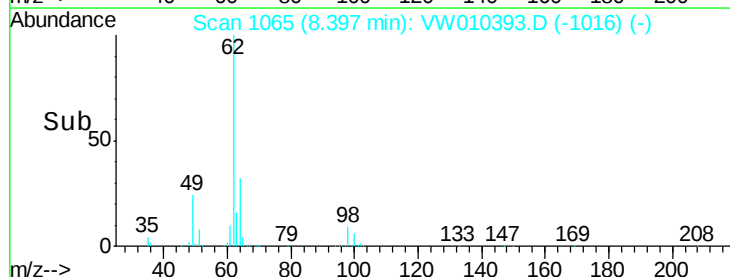
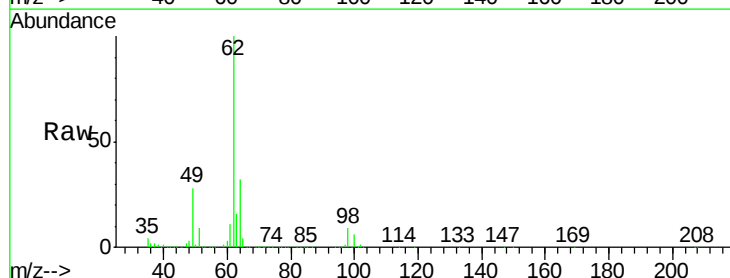
Manual Integrations
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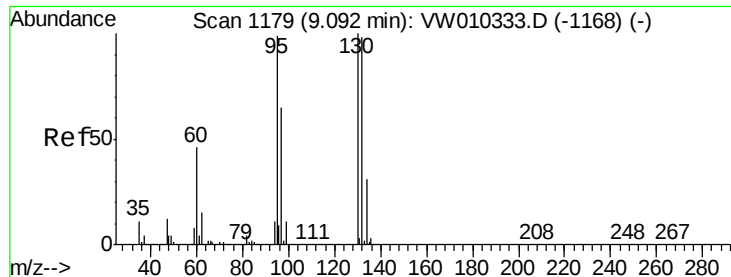
MMDadoda
5/13/2019 3:44:12 AM



#42
1,2-Dichloroethane
Concen: 79.078 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.6





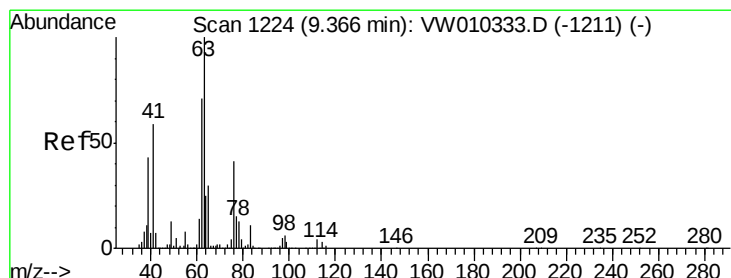
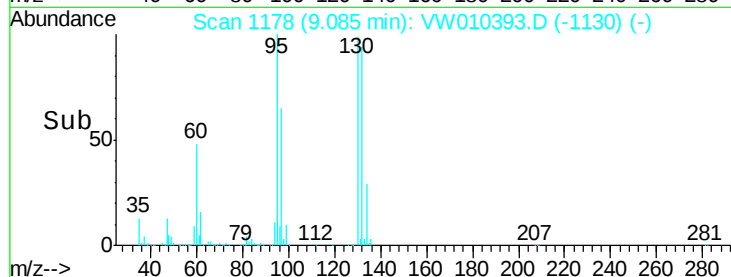
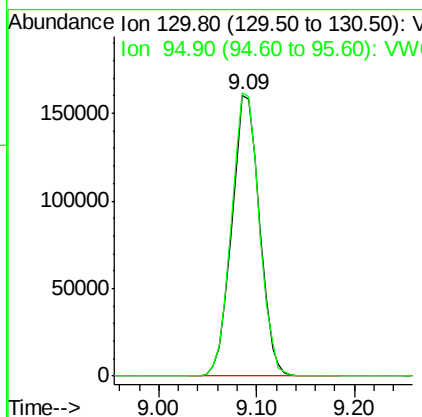
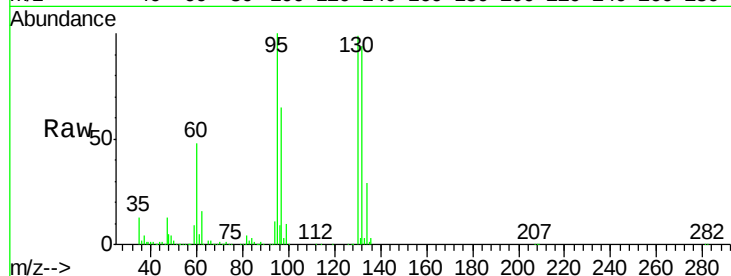
#44
 Trichloroethene
 Concen: 45.219 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
130	100	315473		
95	100.6	0.0	205.4	

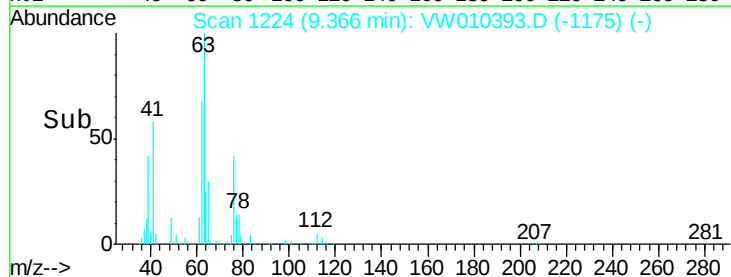
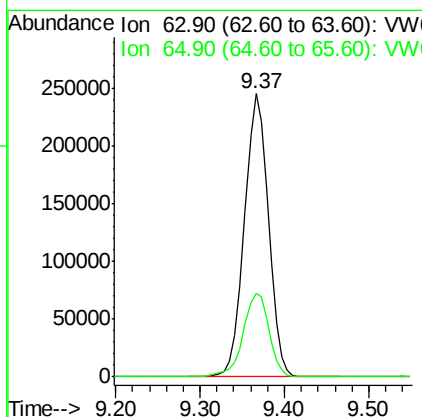
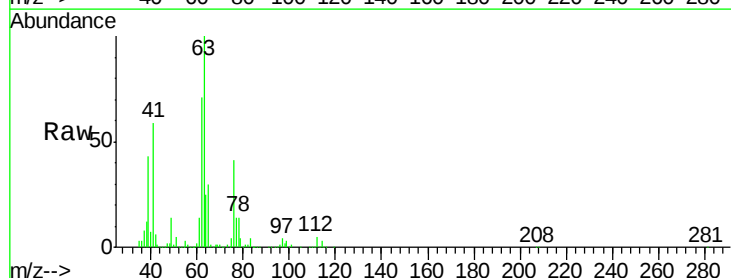
Manual Integrations
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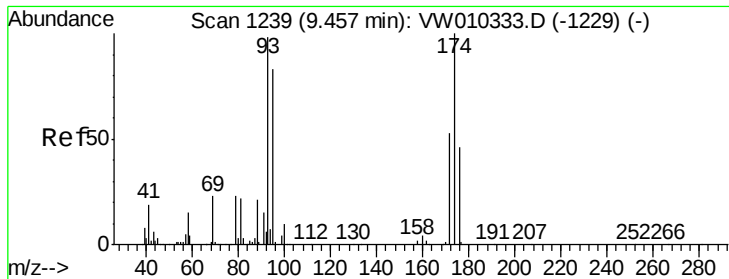
MMDadoda
 5/13/2019 3:44:12 AM



#45
 1,2-Dichloropropane
 Concen: 68.361 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	473537		
65	29.7	23.8	35.6	





#46

Dibromomethane

Concen: 74.631 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

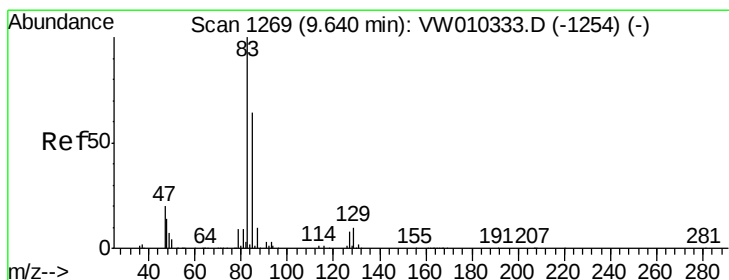
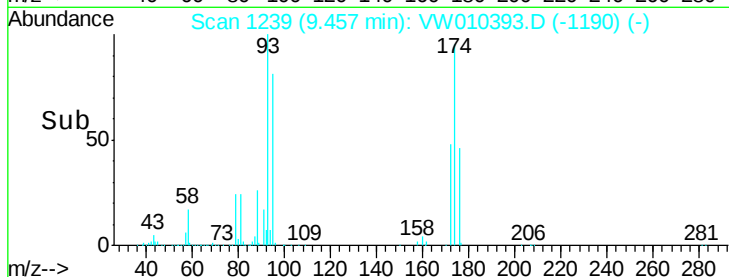
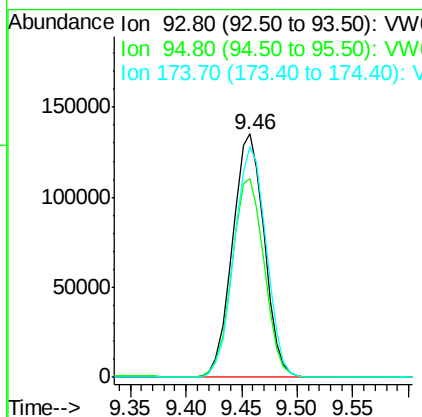
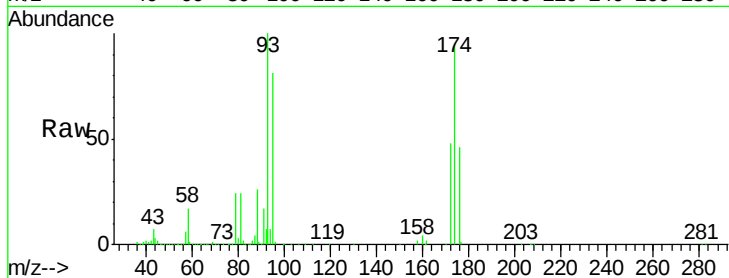
ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion:	93	Resp:	267071
Ion Ratio	Lower	Upper	
93	100		
95	82.8	65.8	98.8
174	95.9	75.5	113.3

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#47

Bromodichloromethane

Concen: 56.830 ug/l

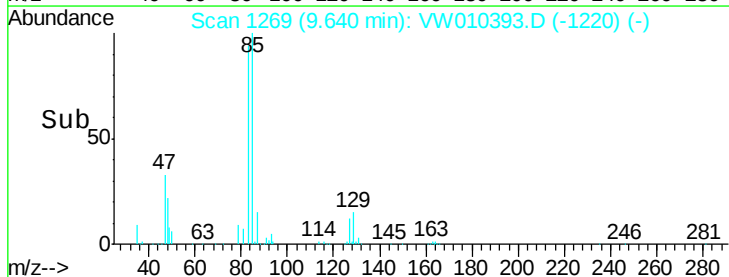
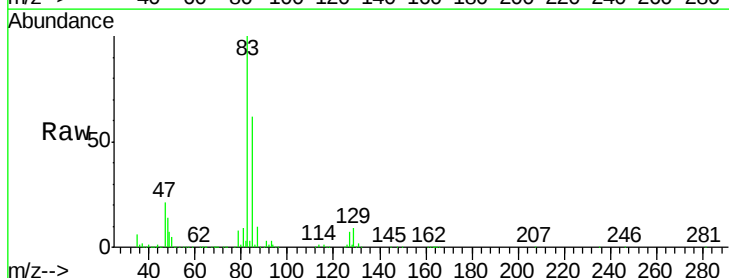
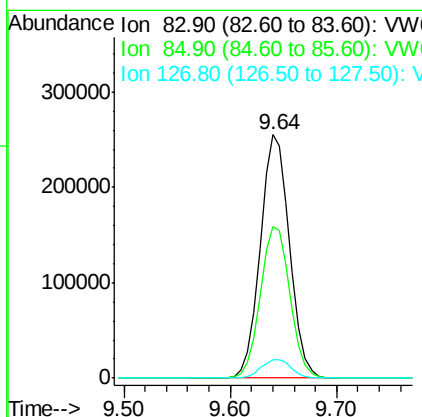
RT: 9.64 min Scan# 1269

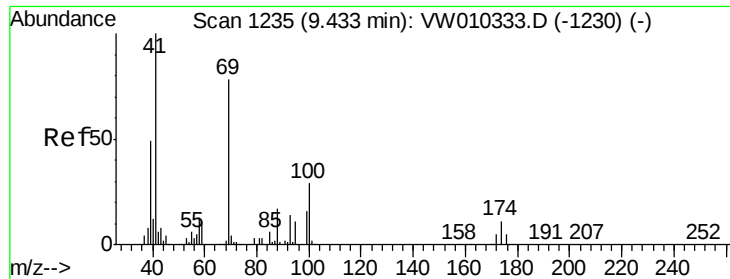
Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Tgt Ion:	83	Resp:	487834
Ion Ratio	Lower	Upper	
83	100		
85	62.2	50.6	75.8
127	7.5	6.6	10.0





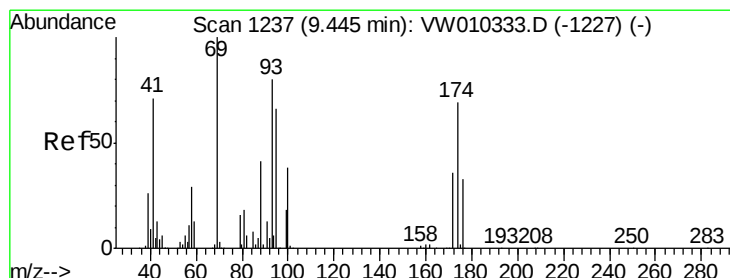
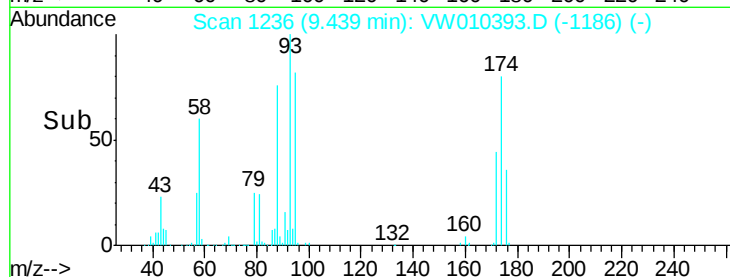
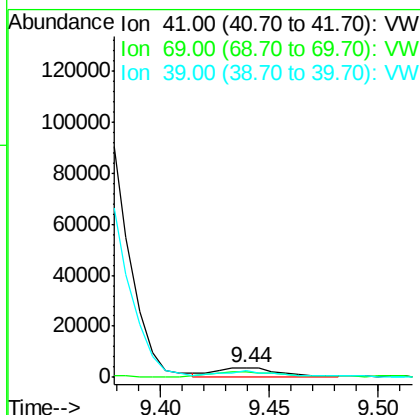
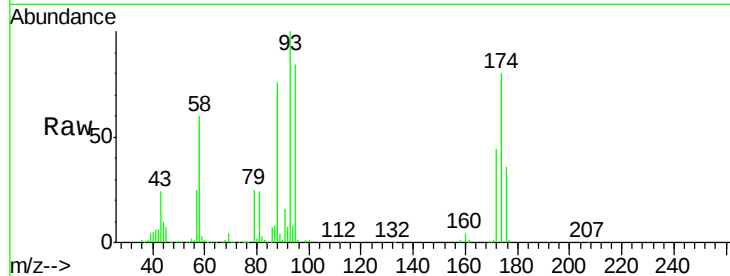
#48
Methvl methacrylate
Concen: 1.952 ug/l m
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion: 41 Resp: 8293
Ion Ratio Lower Upper
41 100
69 0.0 60.1 90.1#
39 3381.5 51.0 76.6

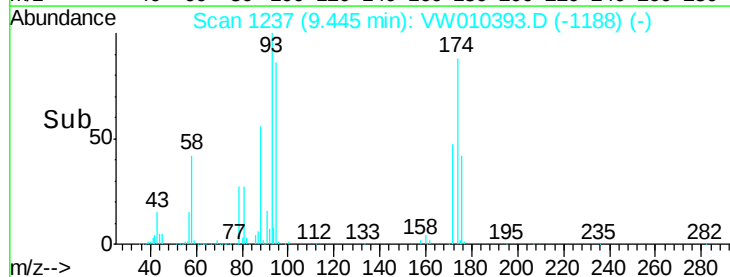
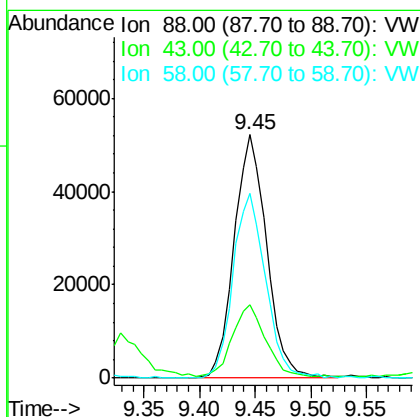
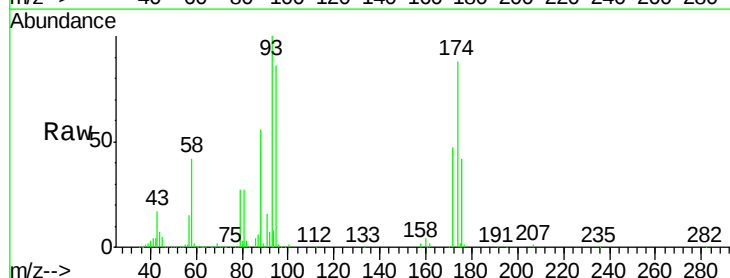
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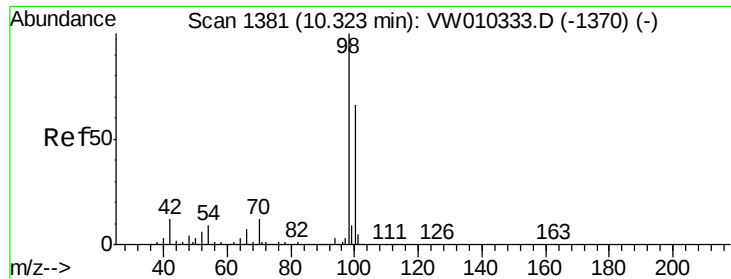
MMDadoda
5/13/2019 3:44:12 AM



#49
1,4-Dioxane
Concen: 1698.561 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 88 Resp: 106002
Ion Ratio Lower Upper
88 100
43 29.8 31.9 47.9#
58 75.6 61.8 92.6





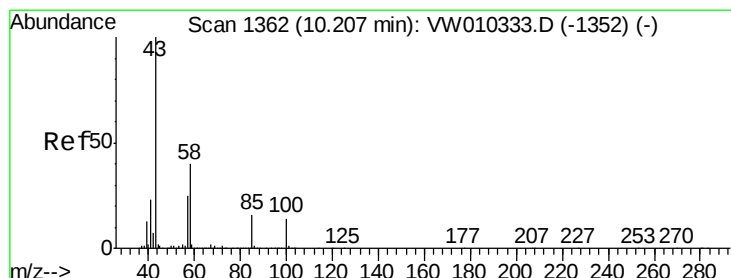
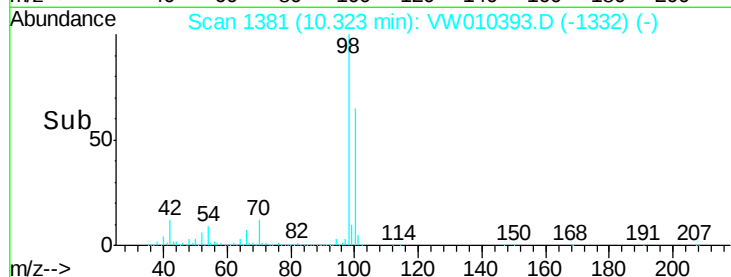
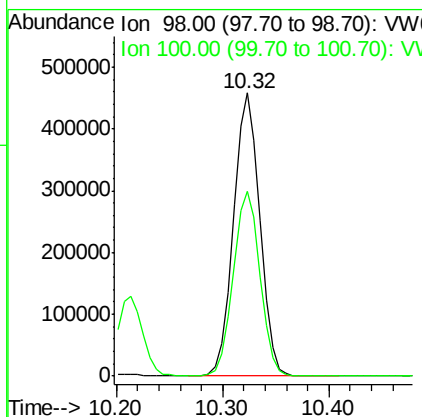
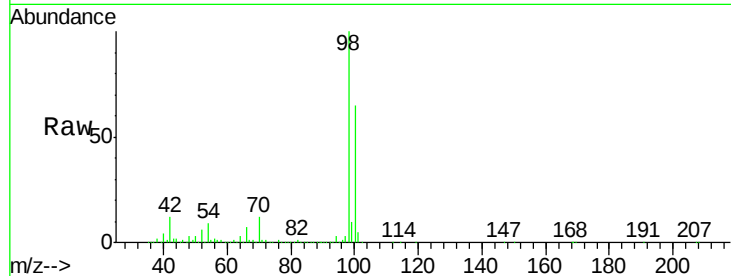
#50
Toluene-d8
Concen: 35.494 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion: 98 Resp: 793750
Ion Ratio Lower Upper
98 100
100 66.0 52.3 78.5

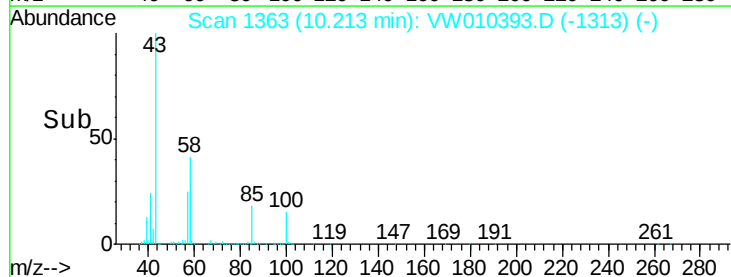
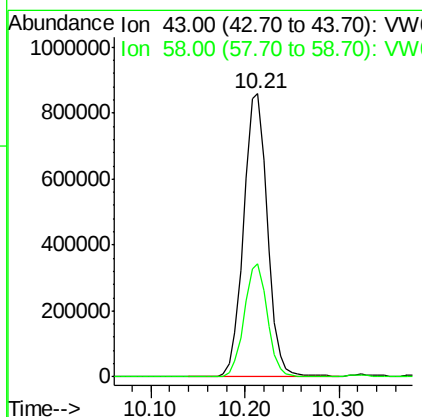
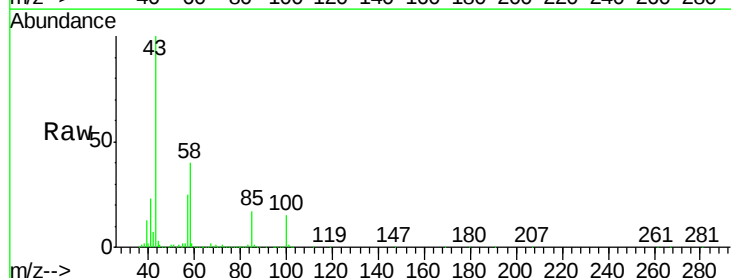
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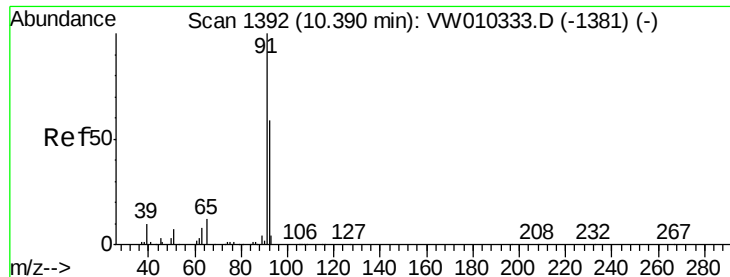
MMDadoda
5/13/2019 3:44:12 AM



#51
4-Methyl-2-Pentanone
Concen: 294.795 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 43 Resp: 1518865
Ion Ratio Lower Upper
43 100
58 38.8 28.9 43.3





#52

Toluene

Concen: 35.617 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion: 92 Resp: 606668

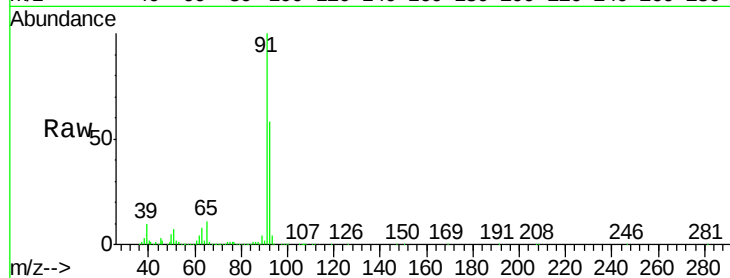
Ion Ratio Lower Upper

92 100

91 173.2 138.5 207.7

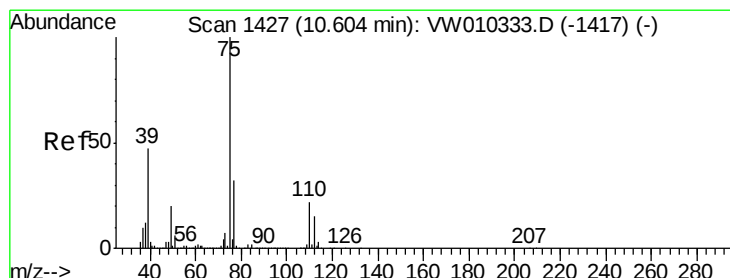
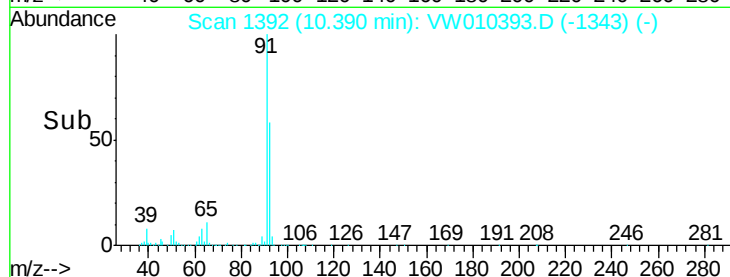
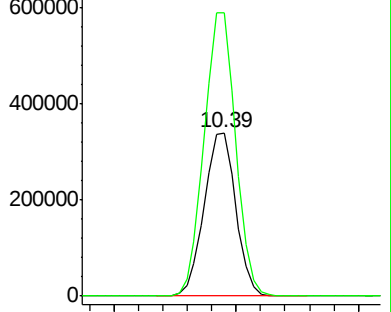
Manual Integrations
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Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#53

t-1,3-Dichloropropene

Concen: 17.834 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010393.D

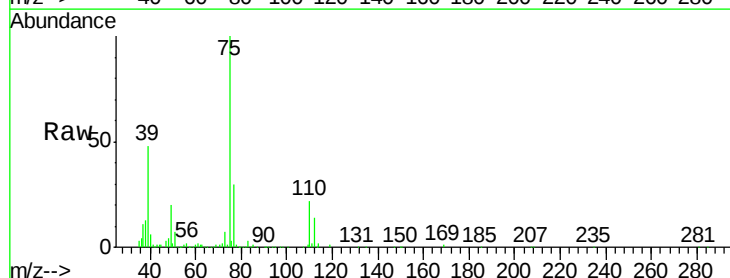
Acq: 11 May 2019 20:53

Tgt Ion: 75 Resp: 155071

Ion Ratio Lower Upper

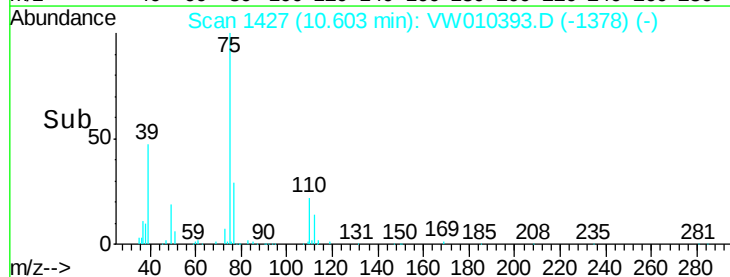
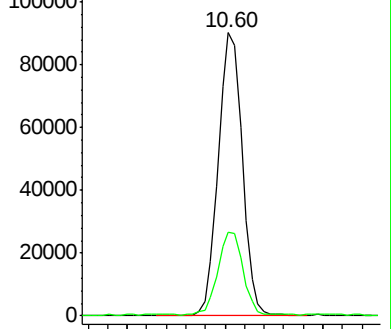
75 100

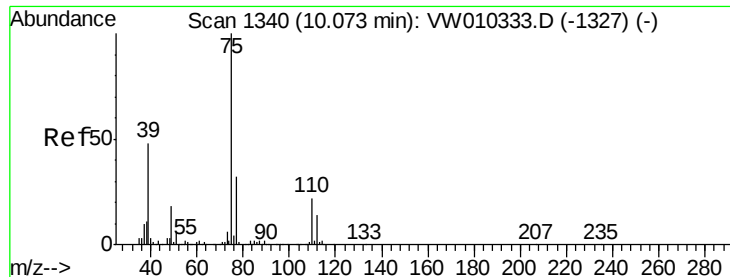
77 29.1 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW





#54

cis-1,3-Dichloropropene

Concen: 15.346 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

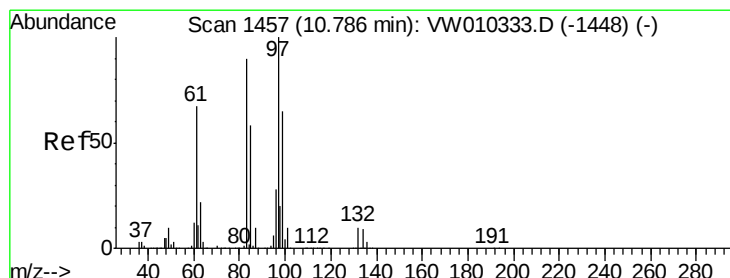
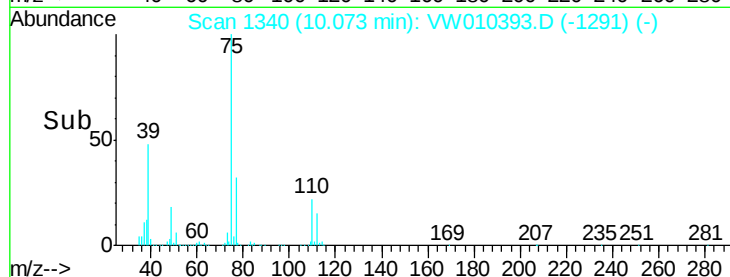
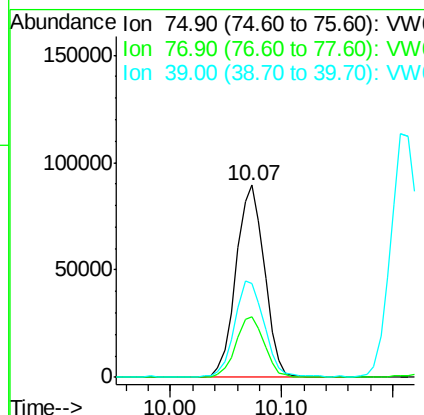
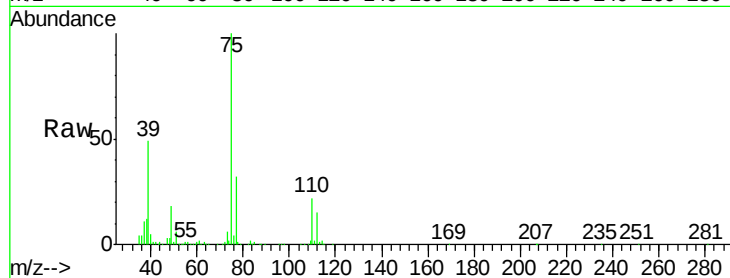
ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion:	75	Resp:	158021
Ion Ratio	Lower	Upper	
75	100		
77	31.8	25.6	38.4
39	48.2	47.8	71.6

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#55

1,1,2-Trichloroethane

Concen: 62.062 ug/l

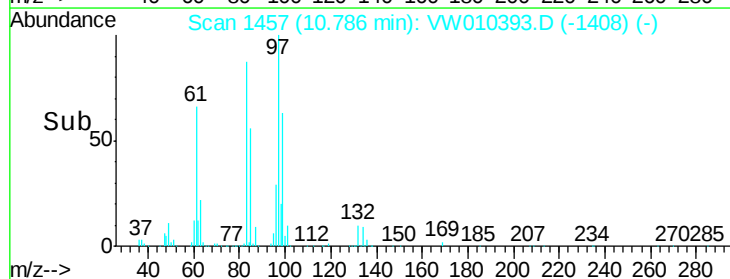
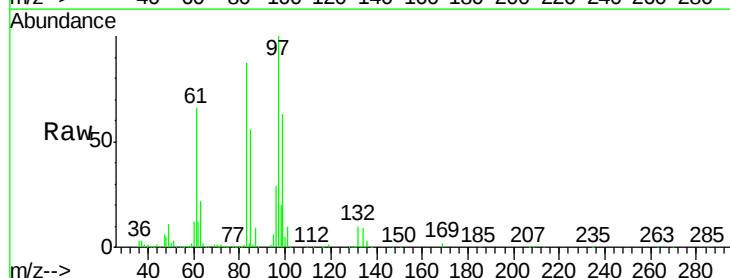
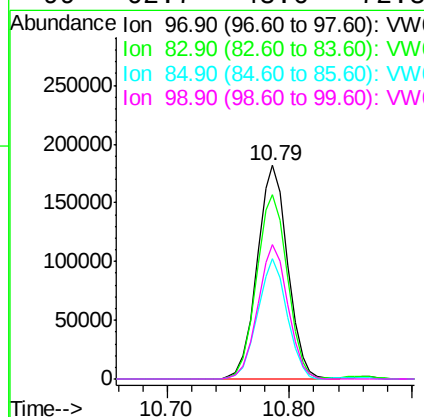
RT: 10.79 min Scan# 1457

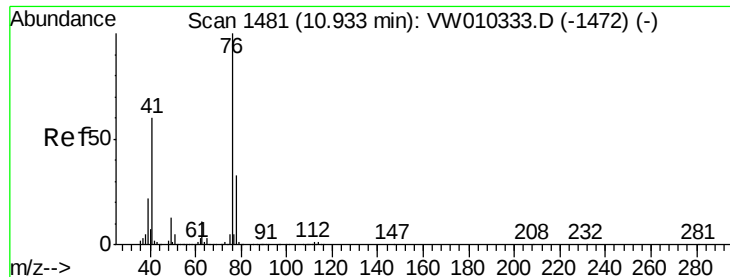
Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Tgt Ion:	97	Resp:	315447
Ion Ratio	Lower	Upper	
97	100		
83	86.6	68.9	103.3
85	56.3	42.9	64.3
99	62.7	48.6	72.8





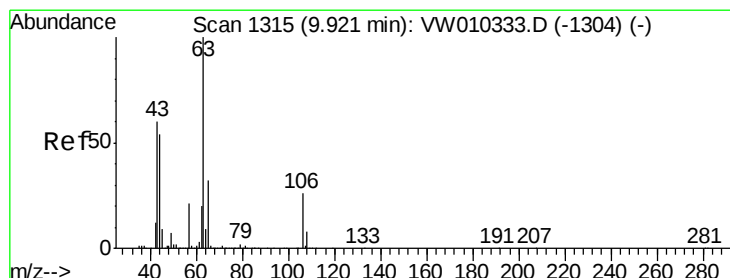
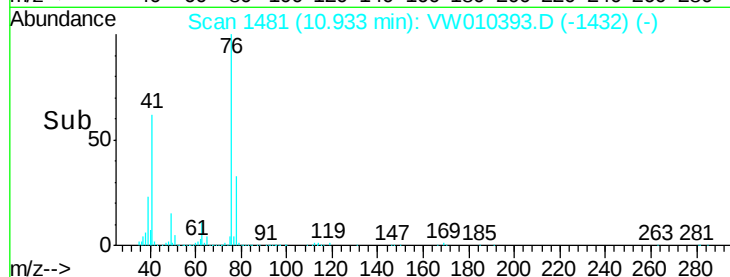
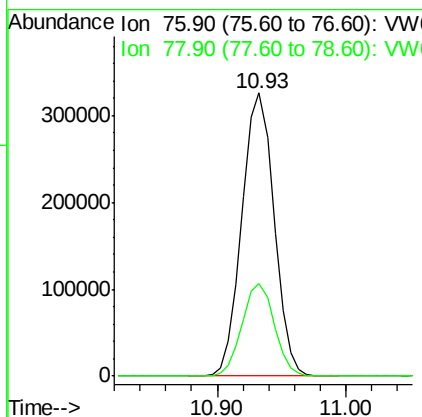
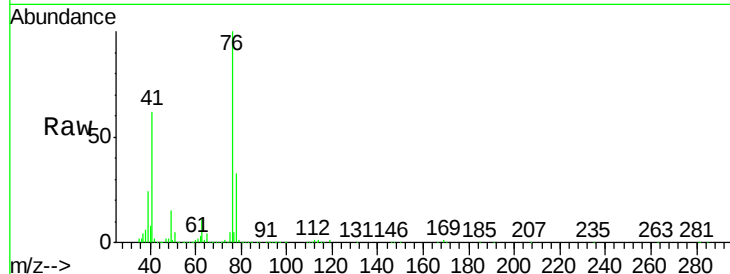
#57
 1,3-Dichloropropane
 Concen: 62.068 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

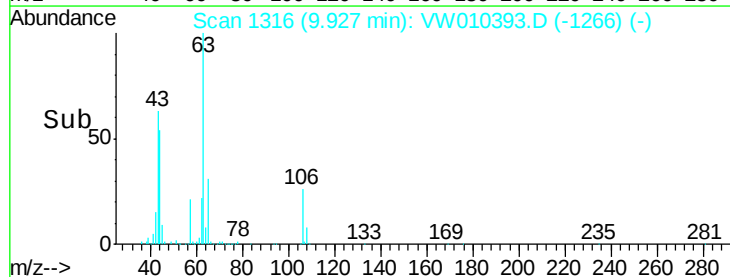
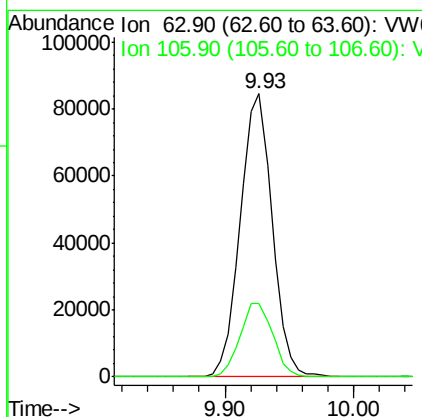
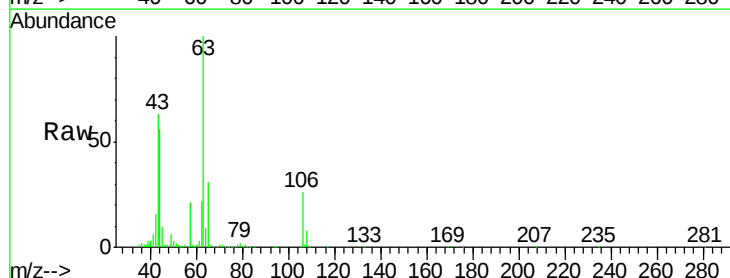
Manual Integrations
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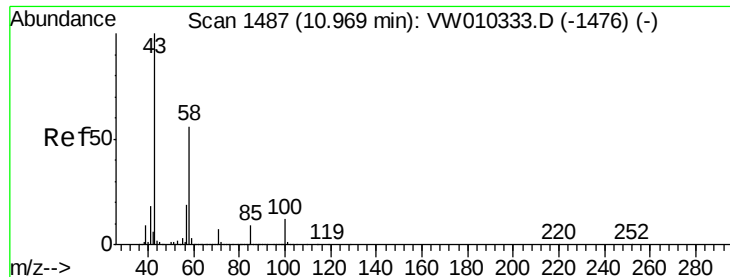
MMDadoda
 5/13/2019 3:44:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 45.162 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.4	32.0





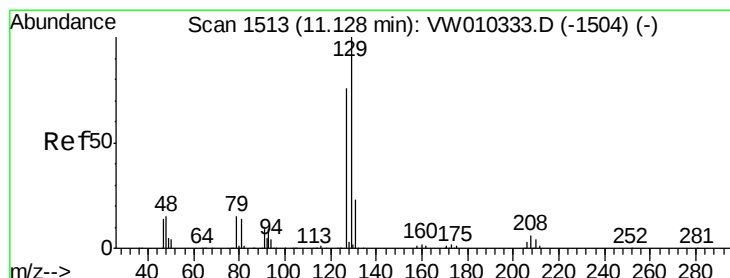
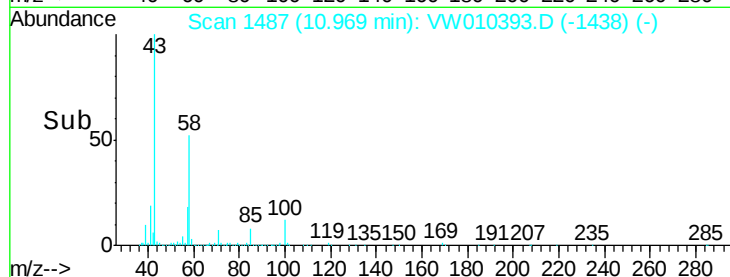
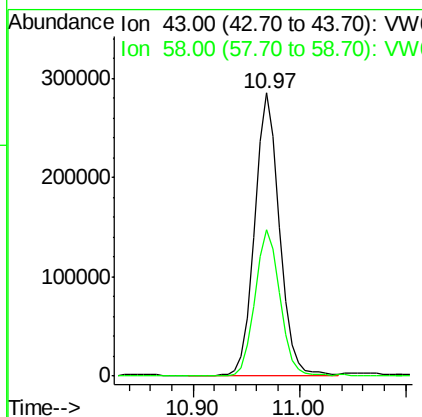
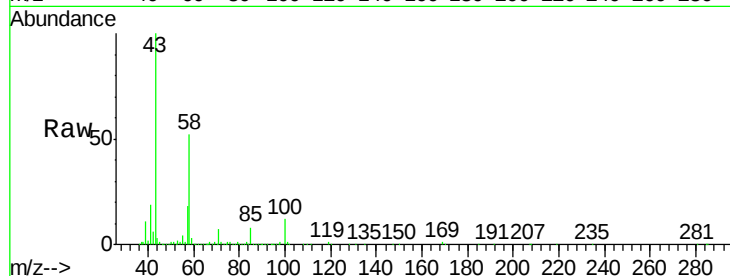
#59
2-Hexanone
Concen: 128.153 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion: 43 Resp: 466840
Ion Ratio Lower Upper
43 100
58 52.2 24.9 74.7

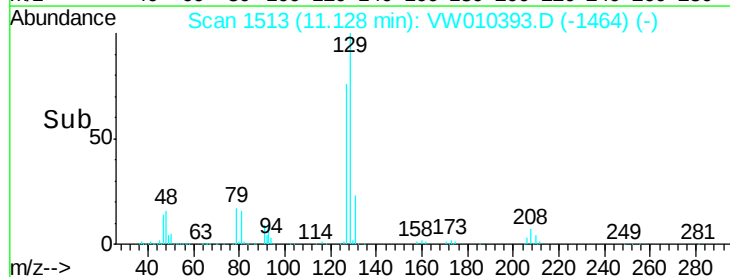
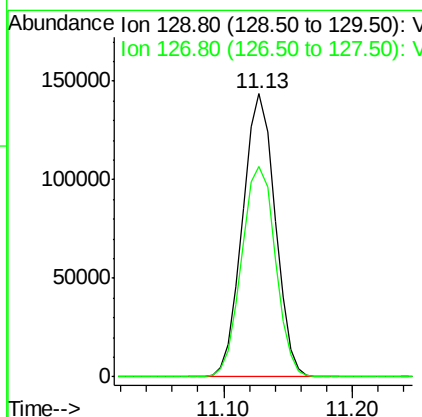
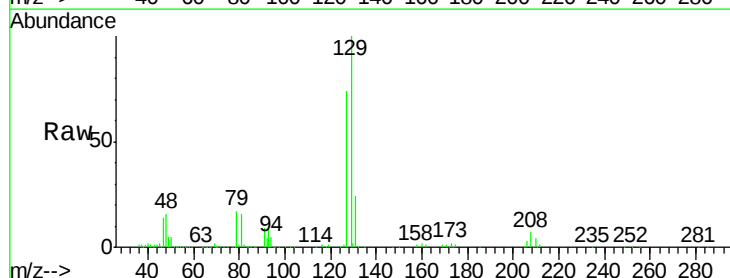
Manual Integrations
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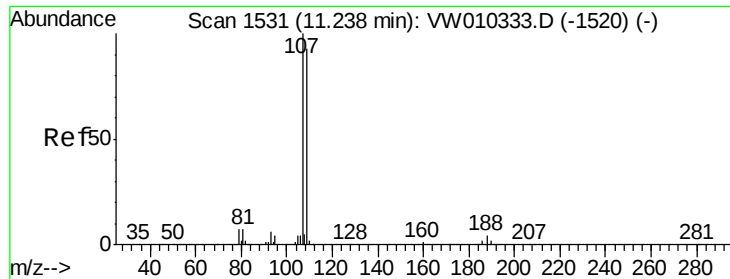
MMDadoda
5/13/2019 3:44:12 AM



#60
Dibromochloromethane
Concen: 45.896 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 129 Resp: 251019
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





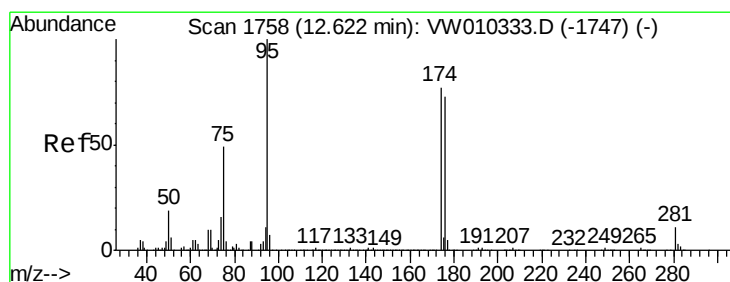
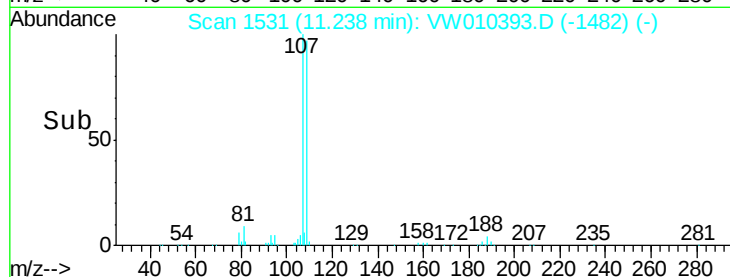
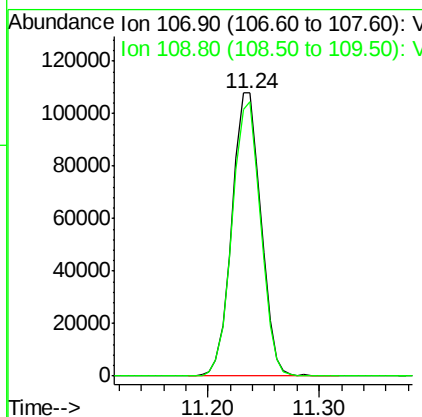
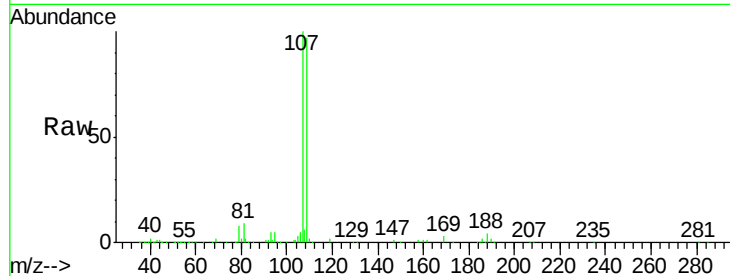
#61
 1,2-Dibromoethane
 Concen: 39.829 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	194337		
109	96.0	73.6	110.4	

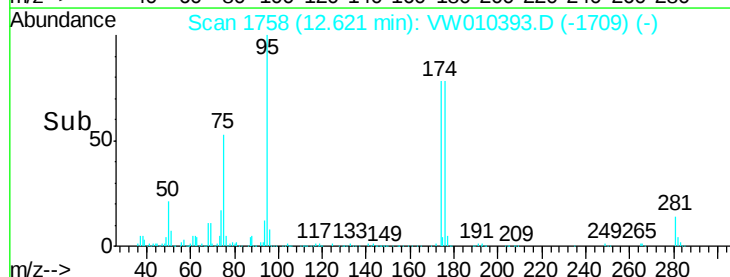
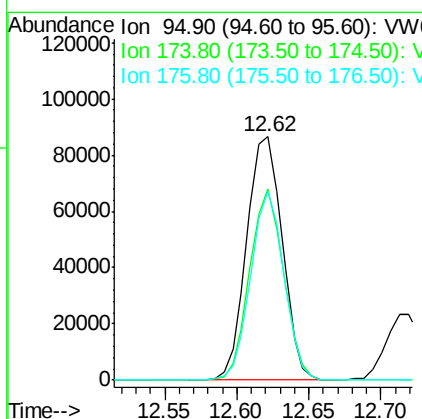
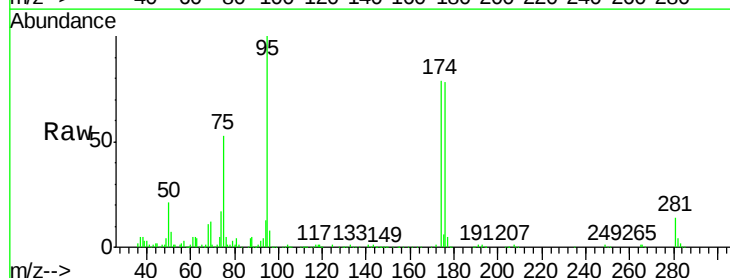
Manual Integrations
 APPROVED

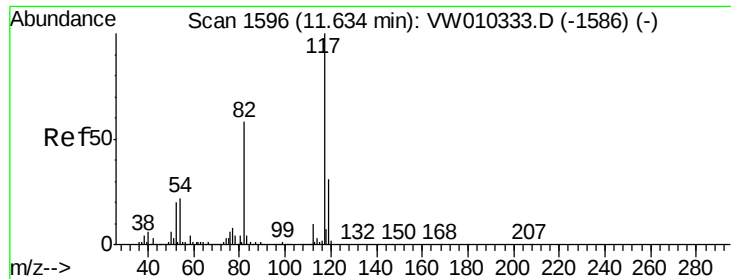
MMDadoda
 5/13/2019 3:44:12 AM



#62
 4-Bromofluorobenzene
 Concen: 18.765 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	147718		
174	74.9	0.0	151.4	
176	72.5	0.0	146.2	





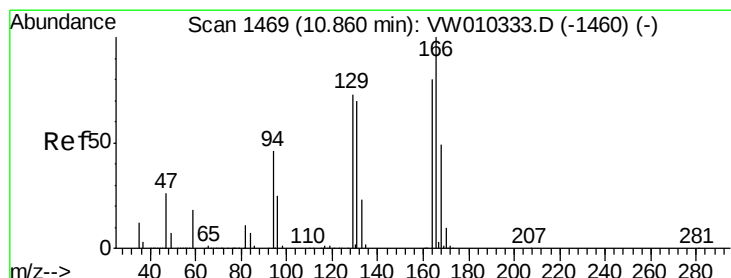
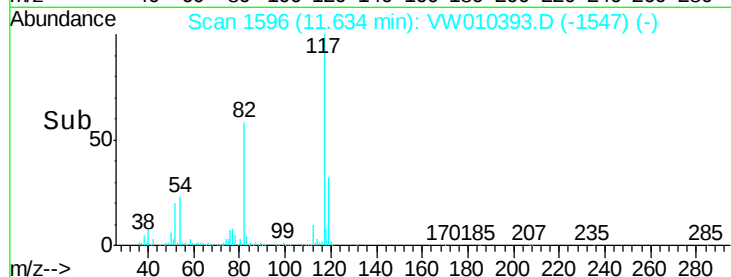
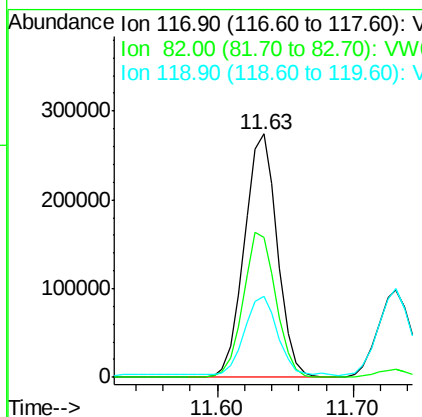
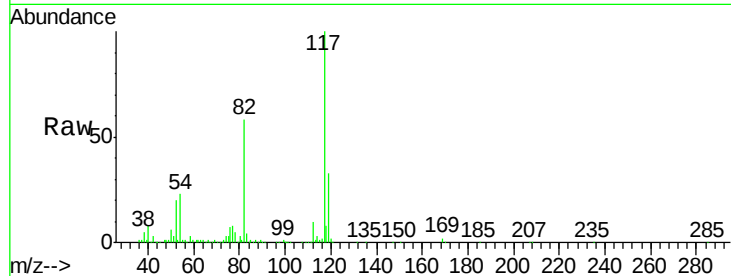
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	464372		
82	57.6		45.2	67.8
119	32.6		25.4	38.2

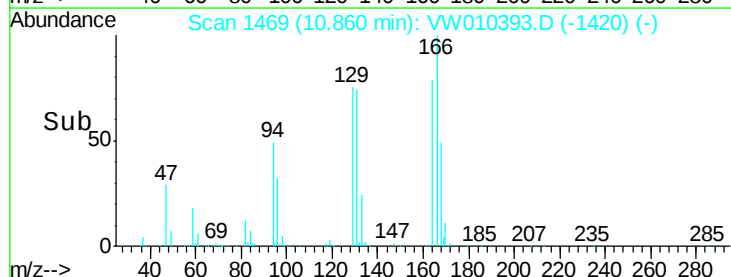
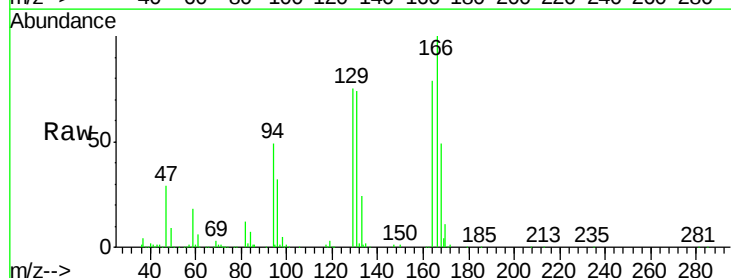
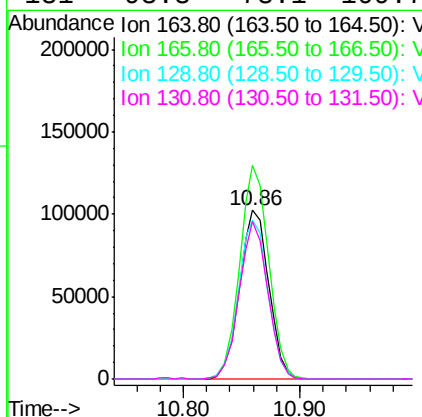
Manual Integrations
APPROVED

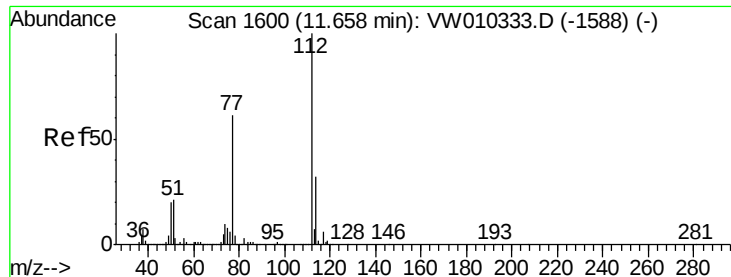
MMDadoda
5/13/2019 3:44:12 AM



#64
Tetrachloroethene
Concen: 55.255 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	179338		
166	126.5		101.2	151.8
129	94.3		77.8	116.6
131	93.3		73.1	109.7





#65

Chlorobenzene

Concen: 49.673 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion:112 Resp: 477494

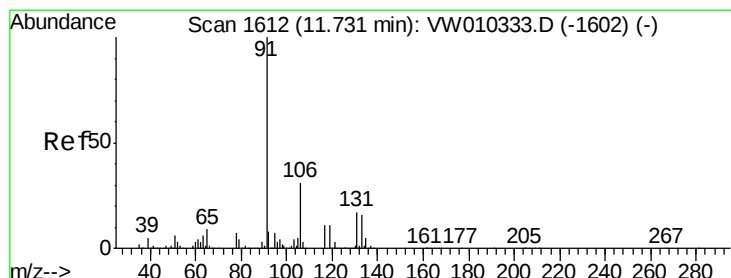
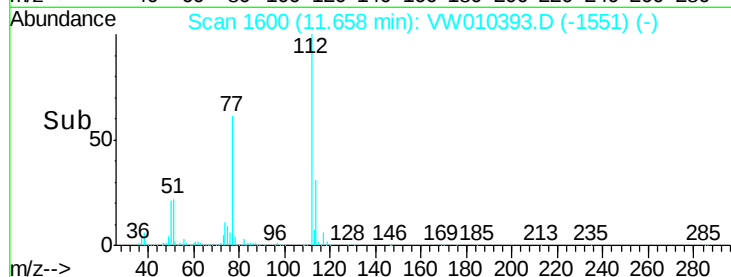
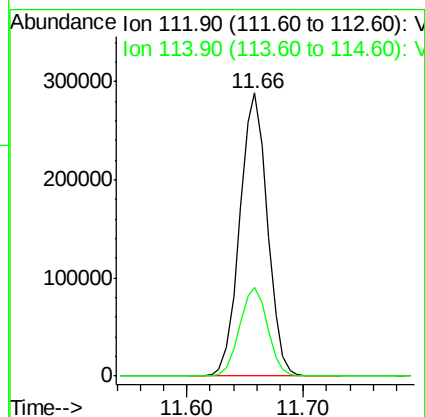
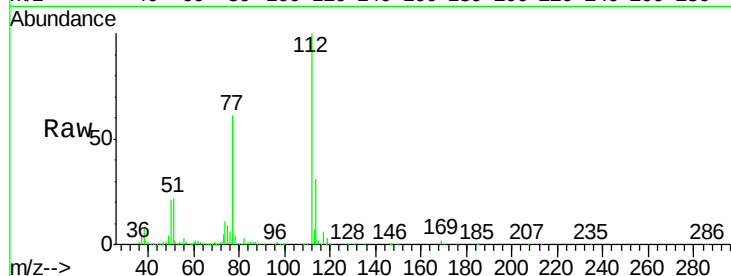
Ion Ratio Lower Upper

112 100

114 31.4 26.5 39.7

Manual Integrations
APPROVED

MMDadoda
5/13/2019 3:44:12 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 74.821 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

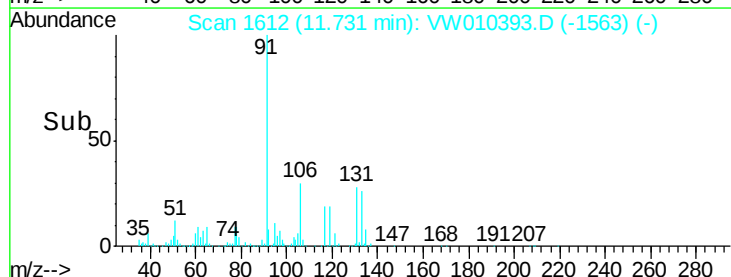
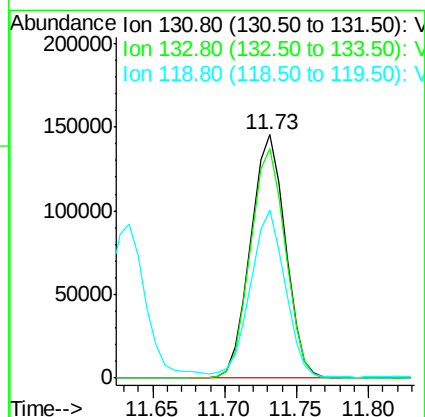
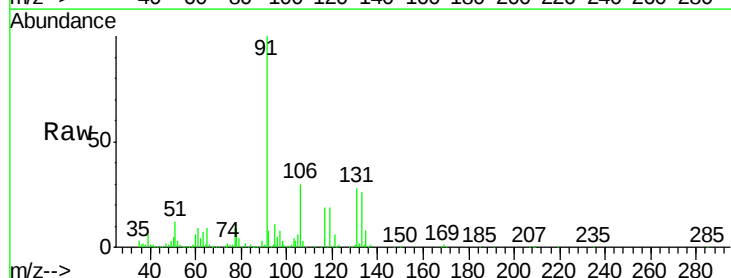
Tgt Ion:131 Resp: 243092

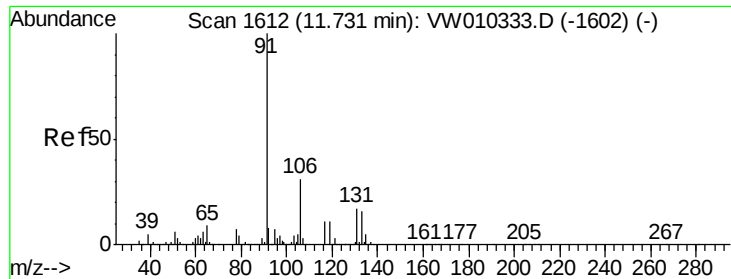
Ion Ratio Lower Upper

131 100

133 94.8 46.5 139.5

119 67.9 31.9 95.5





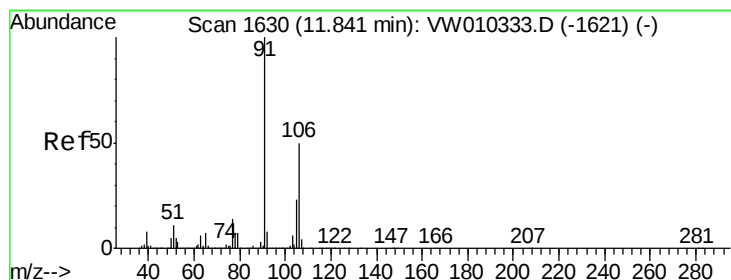
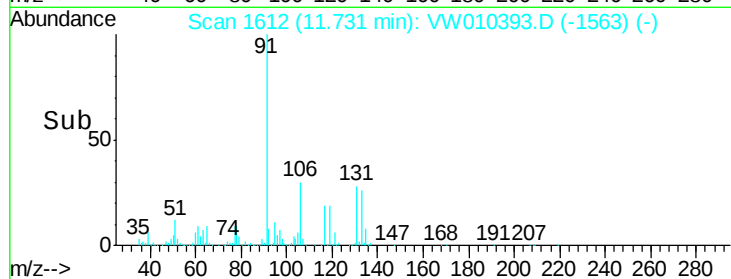
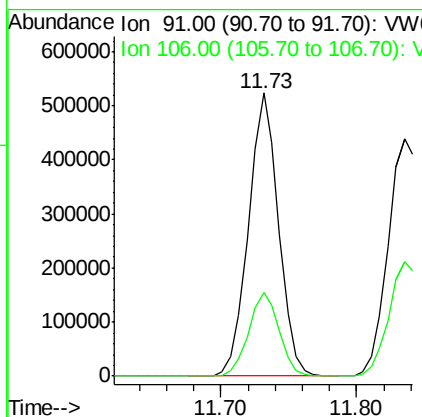
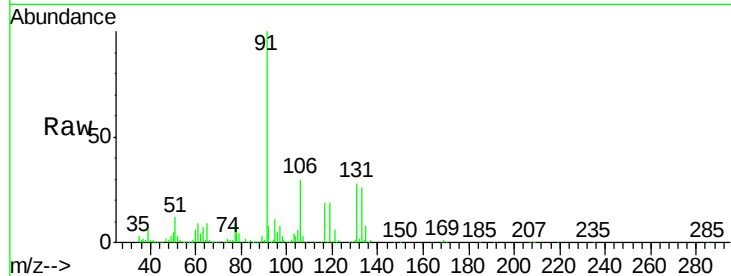
#67
Ethyl Benzene
Concen: 45.722 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.8	35.8

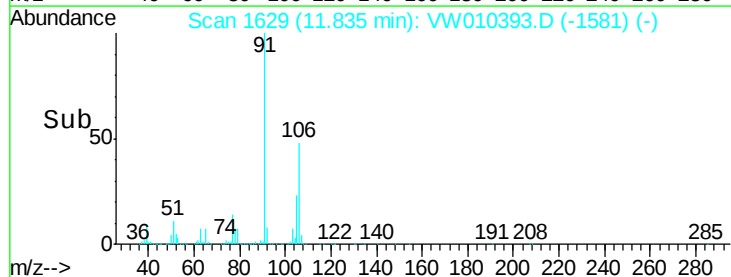
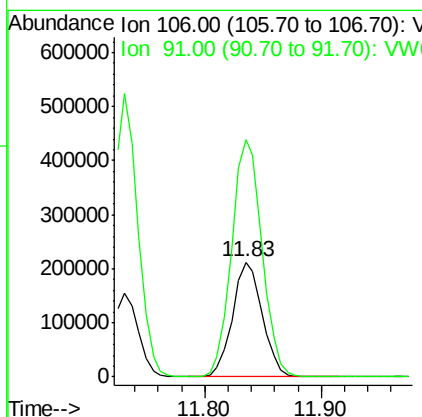
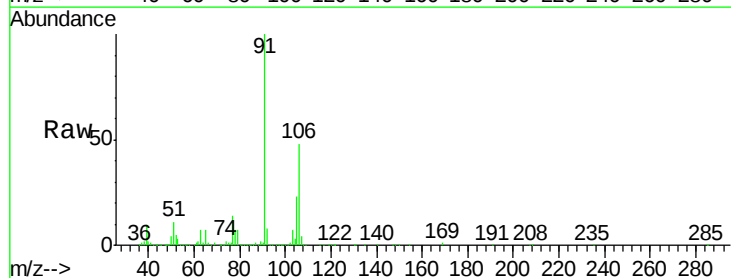
Manual Integrations
APPROVED

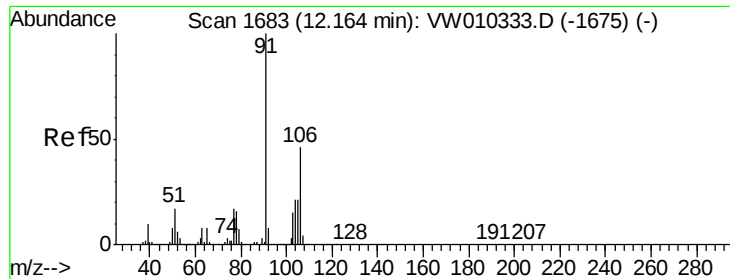
MMDadoda
5/13/2019 3:44:12 AM



#68
m/p-Xylenes
Concen: 57.322 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.6	165.0	247.6





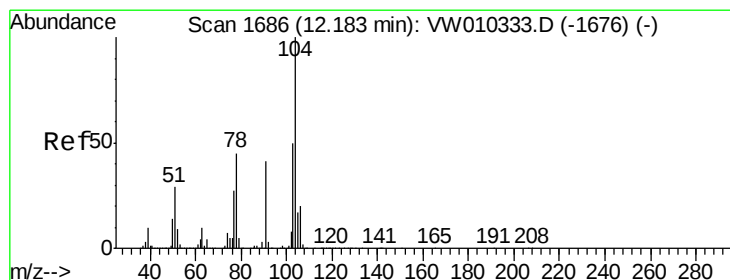
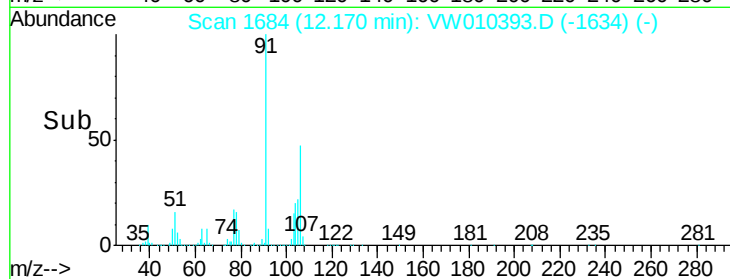
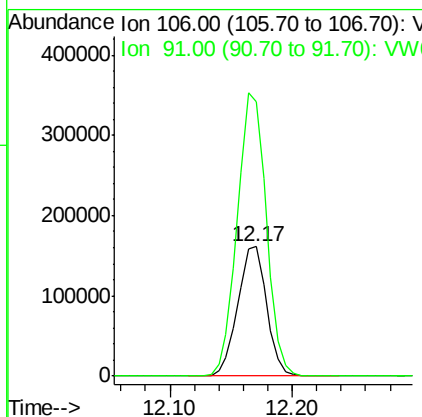
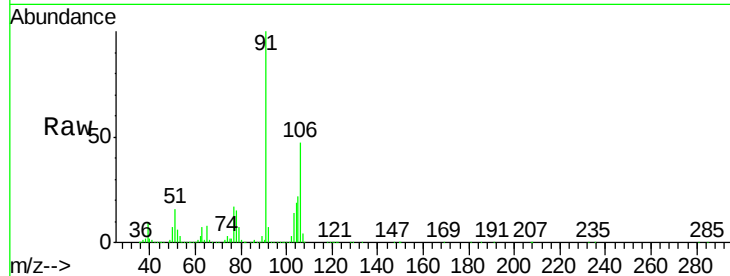
#69
o-Xylene
Concen: 44.471 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		264314		
91	219.3	110.5	331.4		

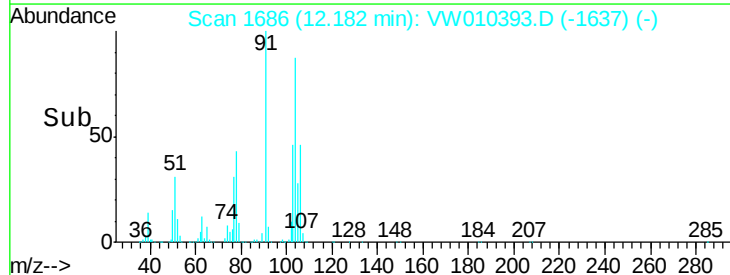
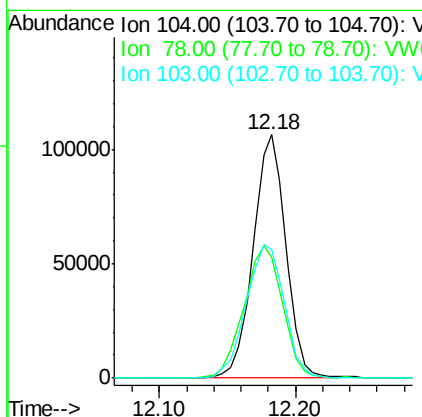
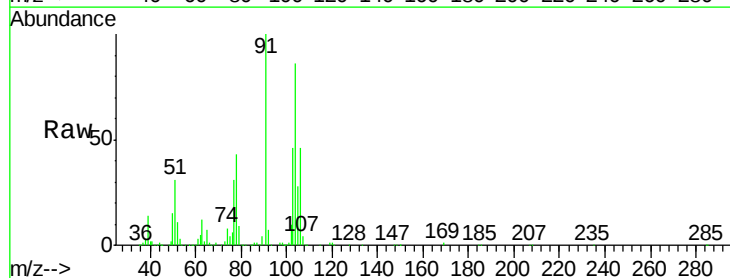
Manual Integrations
APPROVED

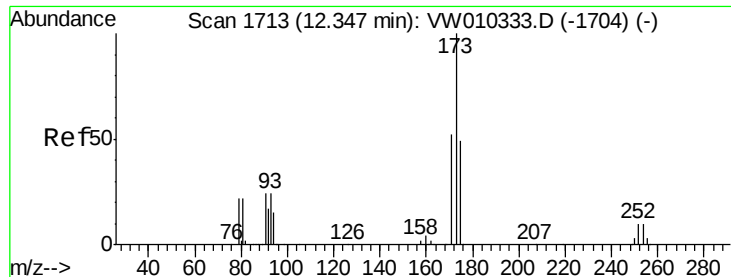
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#70
Styrene
Concen: 17.312 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		179290		
78	64.1	42.5	63.7#		
103	64.2	43.6	65.4		





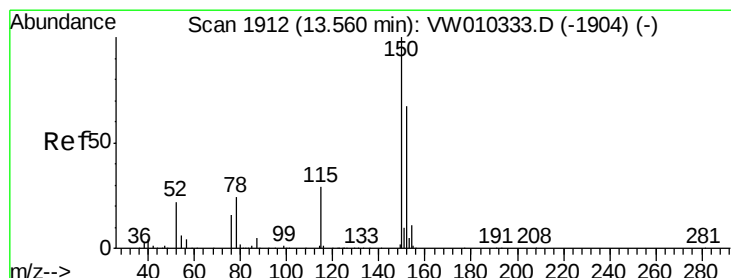
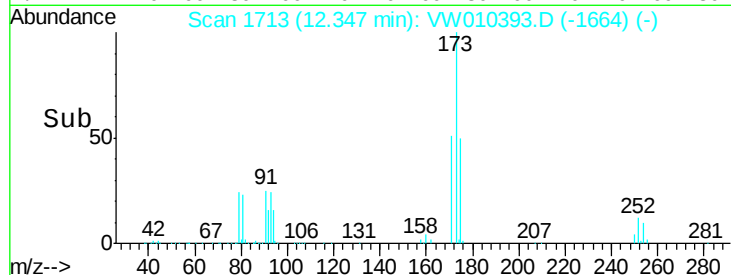
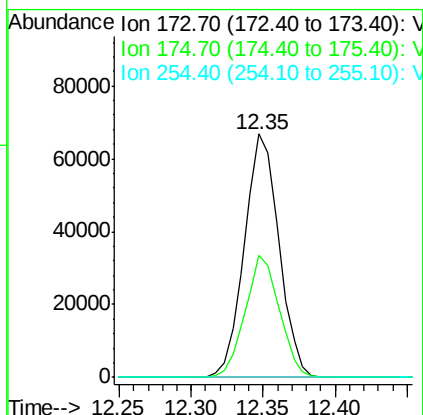
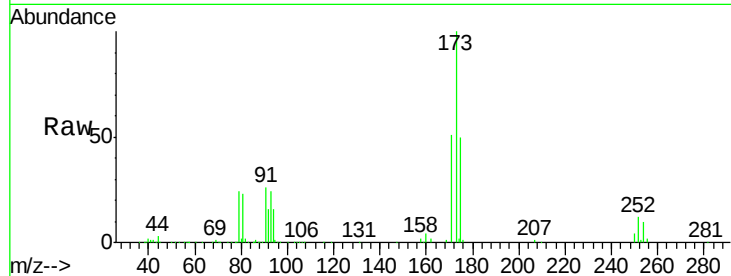
#71
Bromoform
Concen: 59.557 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	23.8	71.4
254	0.1	0.1	0.1

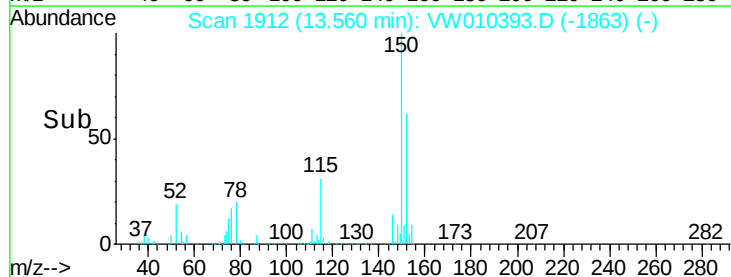
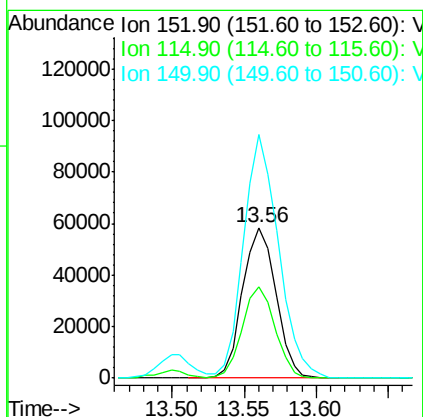
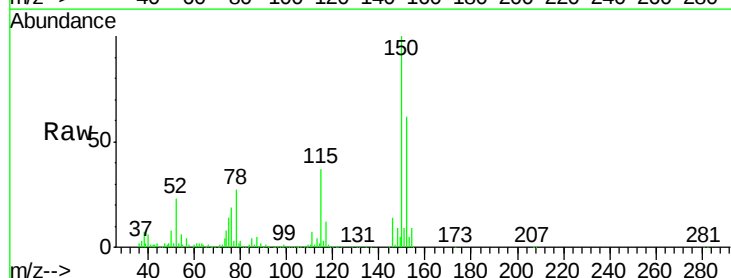
Manual Integrations
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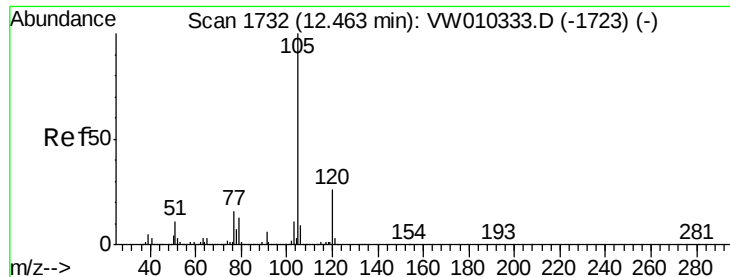
MMDadoda
5/13/2019 3:44:12 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.4	91.2
150	169.2	0.0	347.0





#73

Isopropylbenzene

Concen: 76.410 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion: 105 Resp: 522883

Ion Ratio Lower Upper

105 100

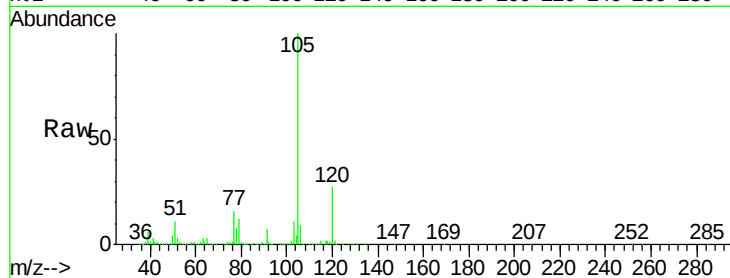
120 26.1 13.1 39.1

Manual Integrations

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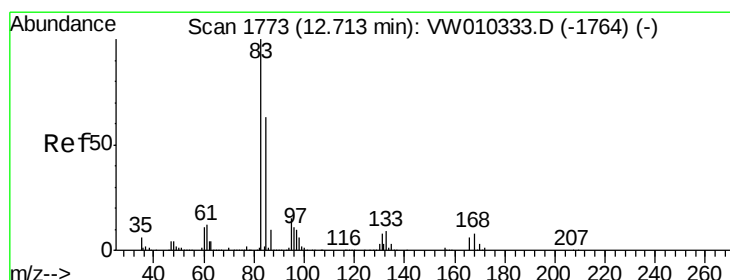
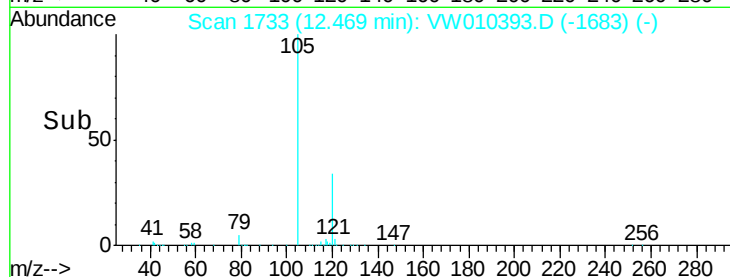
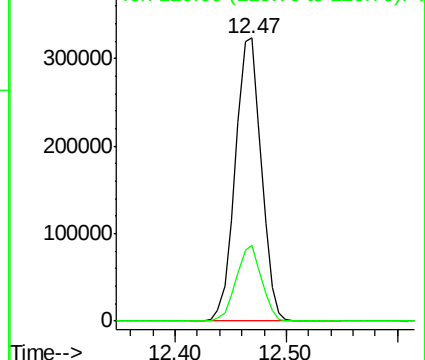
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 169.975 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

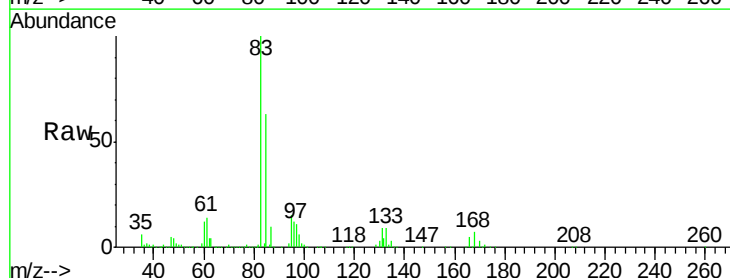
Tgt Ion: 83 Resp: 256286

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.8

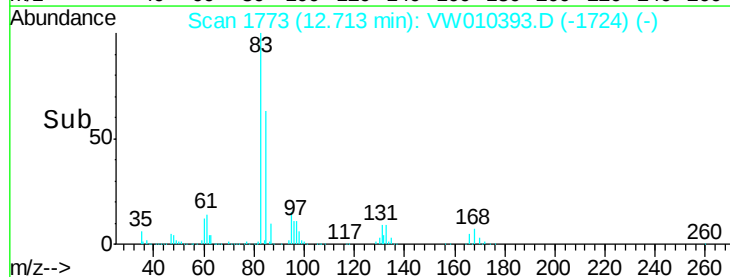
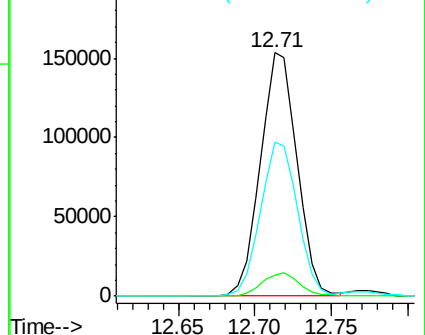
85 64.3 32.0 96.2

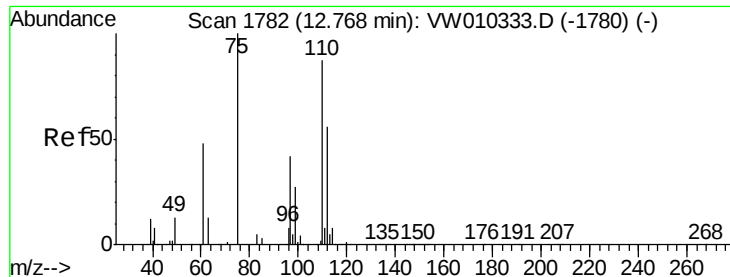


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 244.225 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion: 75 Resp: 267328

Ion Ratio Lower Upper

75 100

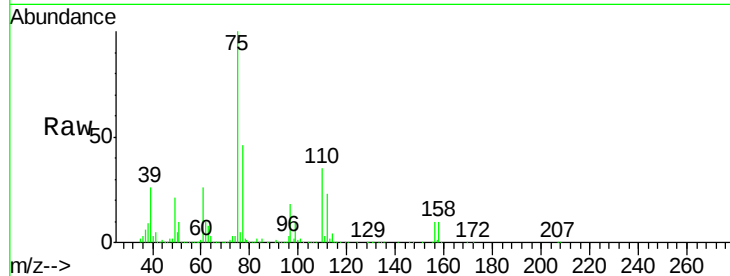
77 0.0 0.0 0.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

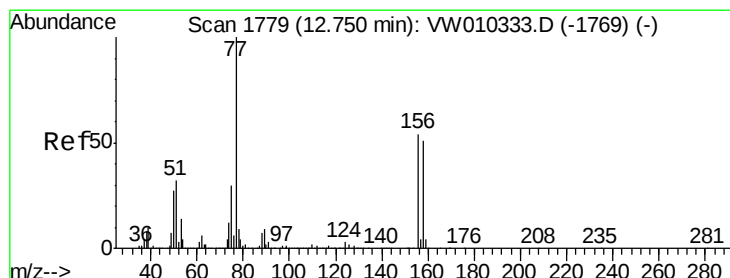
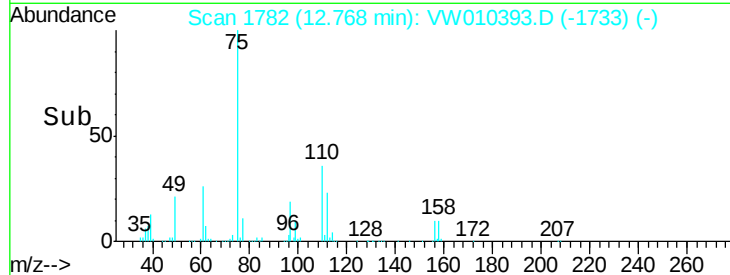
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: 89.163 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

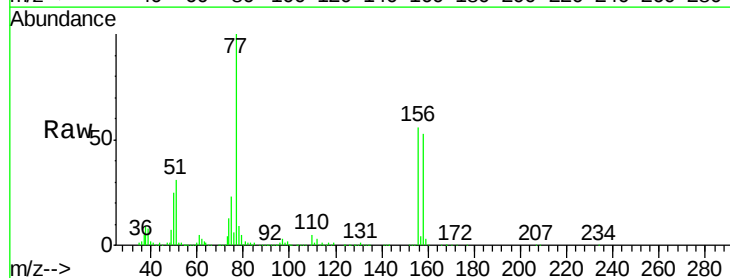
Tgt Ion: 156 Resp: 137769

Ion Ratio Lower Upper

156 100

77 242.0 102.5 307.4

158 95.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

200000

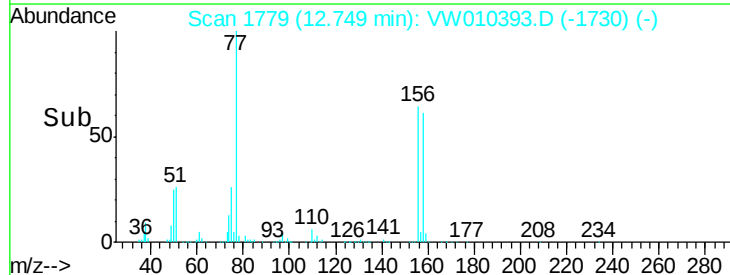
150000

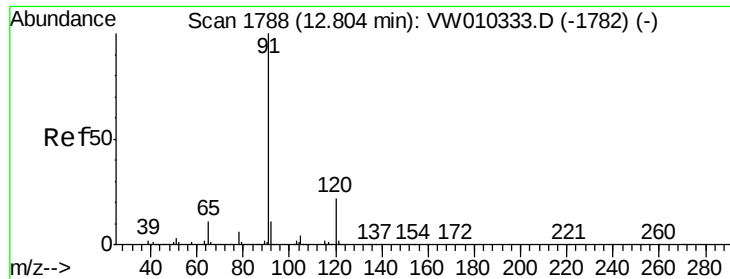
100000

50000

0

Time-->





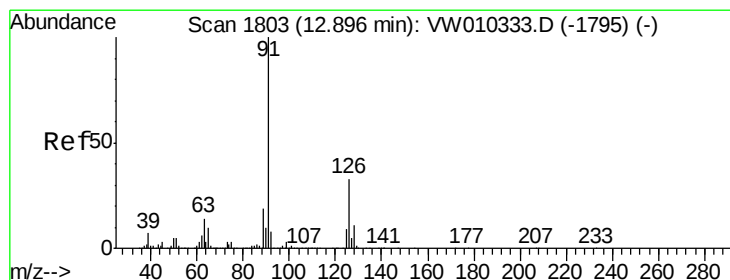
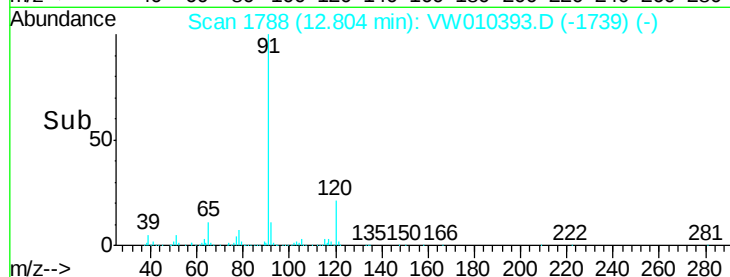
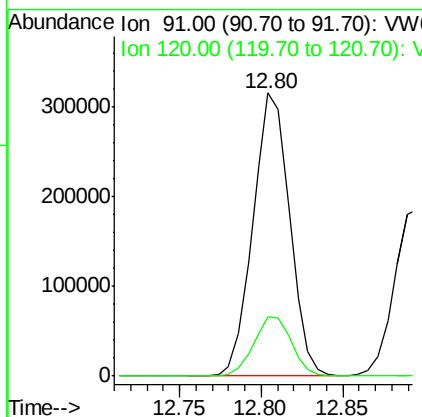
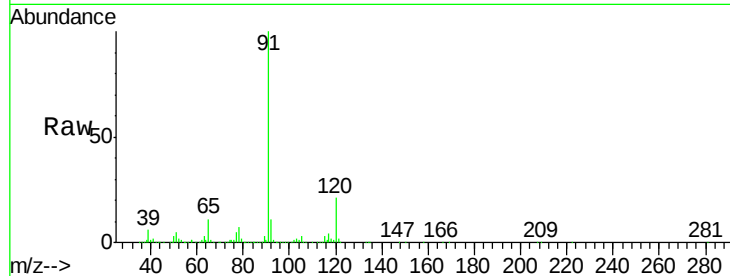
#78
n-propylbenzene
Concen: 58.251 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion: 91 Resp: 492326
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.1

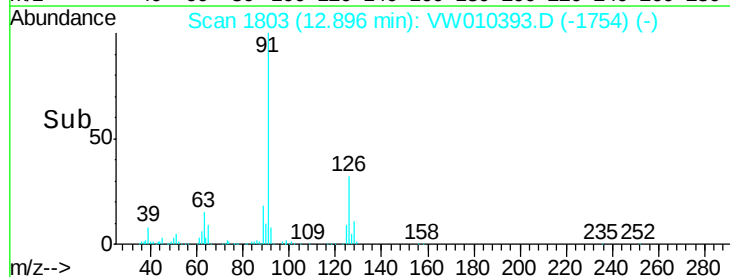
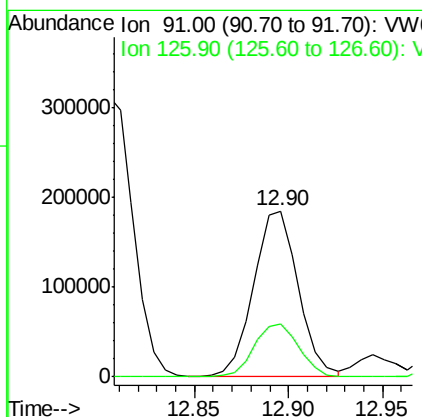
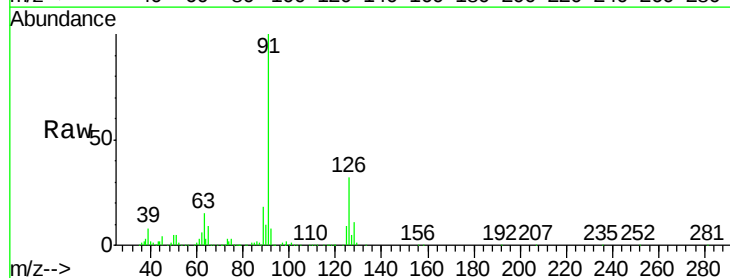
Manual Integrations
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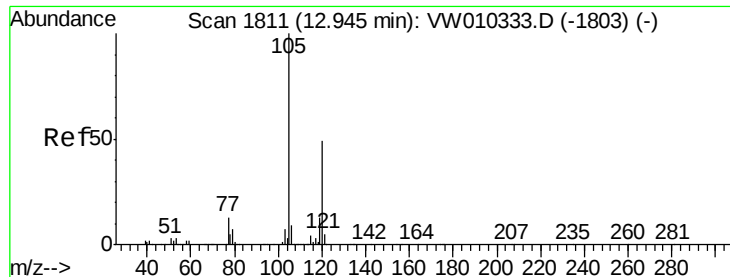
MMDadoda
5/13/2019 3:44:12 AM



#79
2-Chlorotoluene
Concen: 62.852 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 91 Resp: 302520
Ion Ratio Lower Upper
91 100
126 32.3 16.3 48.8





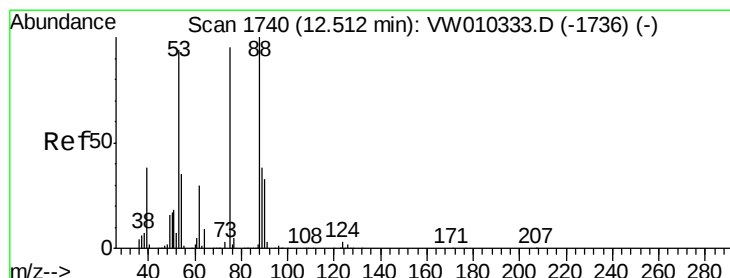
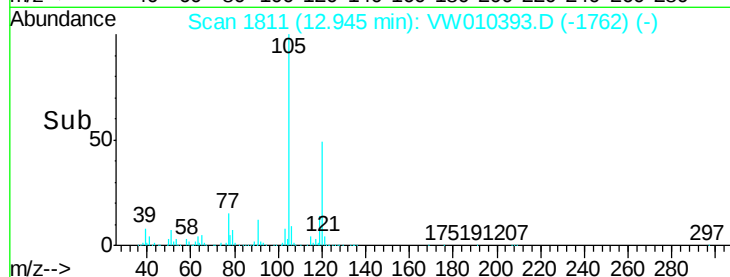
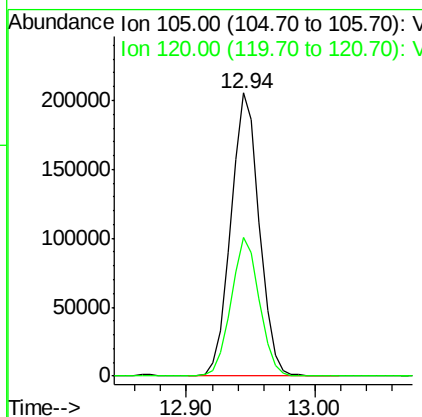
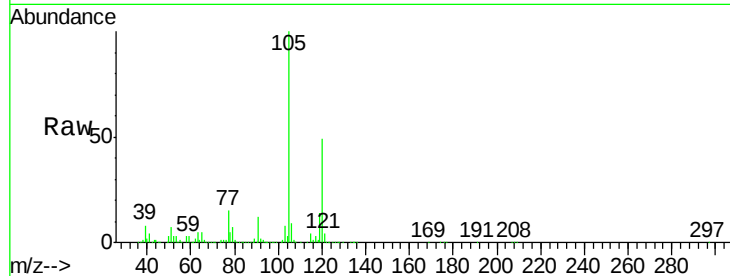
#80
 1,3,5-Trimethylbenzene
 Concen: 54.733 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	72.8

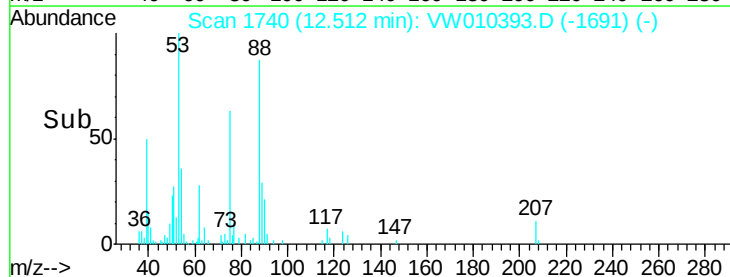
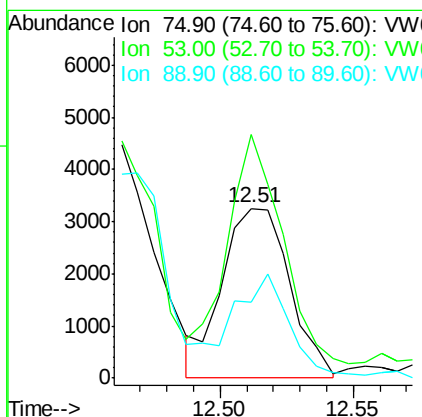
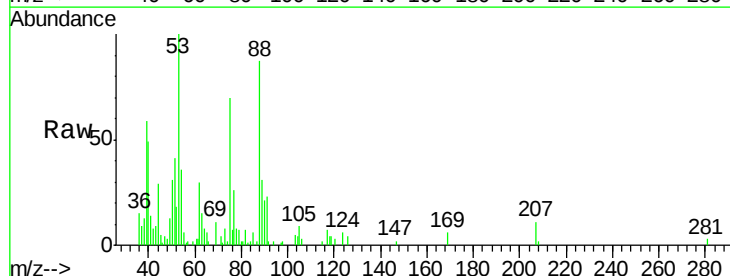
Manual Integrations
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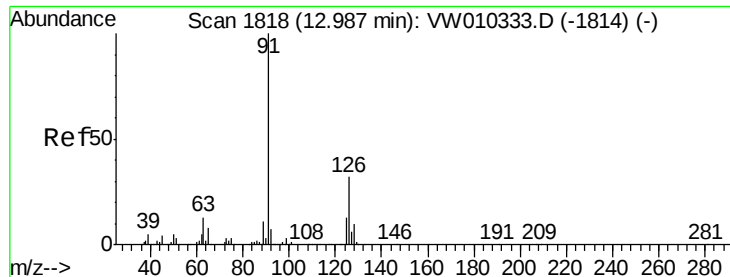
MMDadoda
 5/13/2019 3:44:12 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 11.851 ug/l m
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
53	9.5	89.8	134.8#
89	6.1	36.6	54.8#





#82

4-Chlorotoluene

Concen: 38.901 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion: 91 Resp: 196183

Ion Ratio Lower Upper

91 100

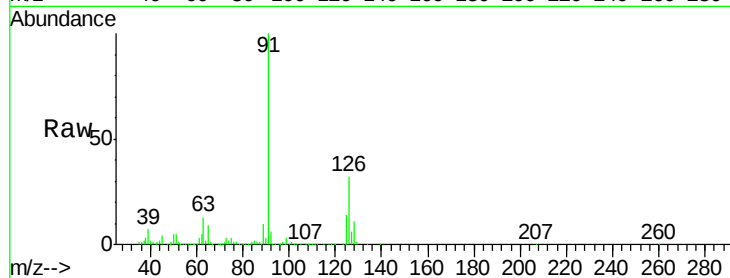
126 31.5 16.4 49.1

Manual Integrations

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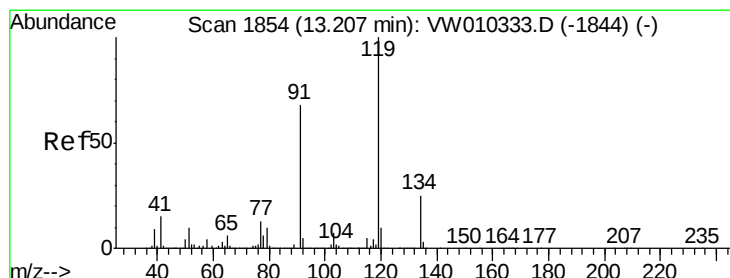
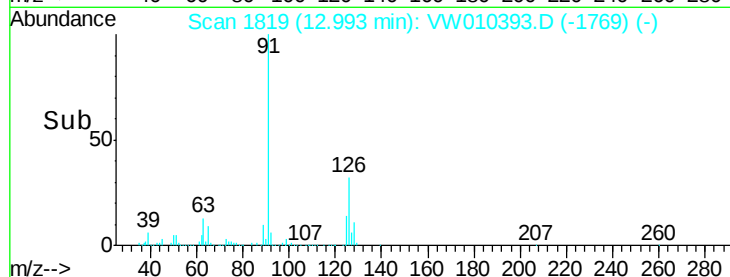
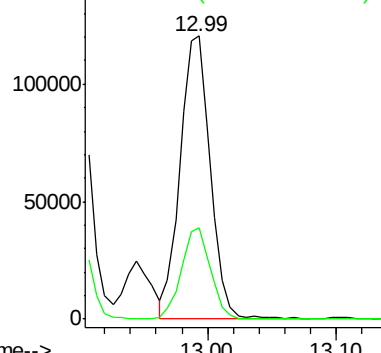
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 54.126 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

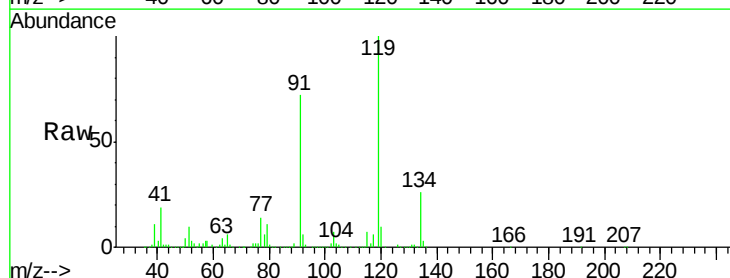
Tgt Ion: 119 Resp: 260451

Ion Ratio Lower Upper

119 100

91 68.7 34.8 104.4

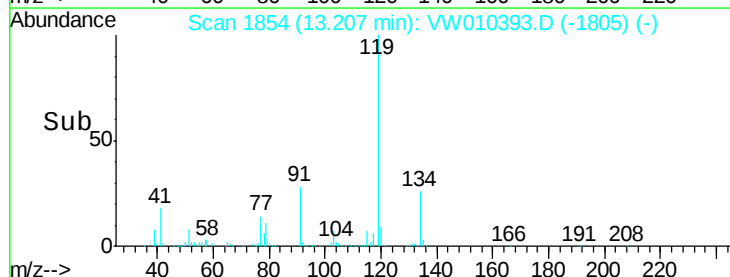
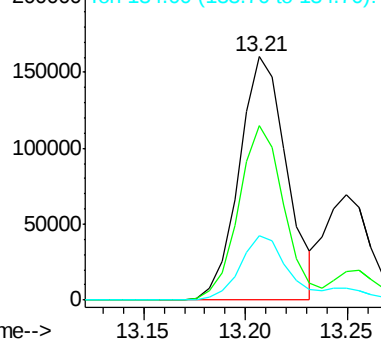
134 26.2 13.7 41.1

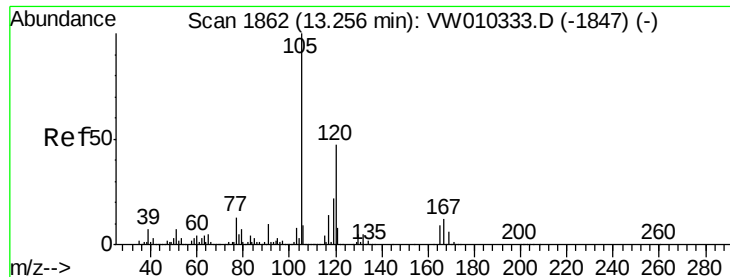


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V





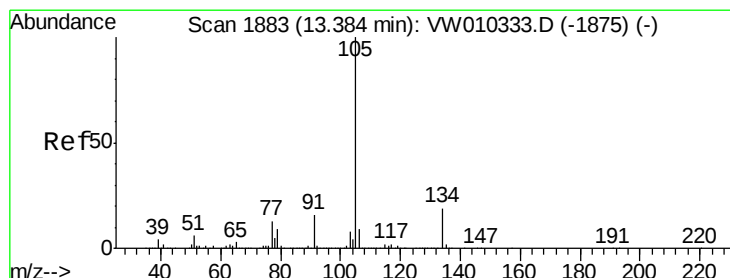
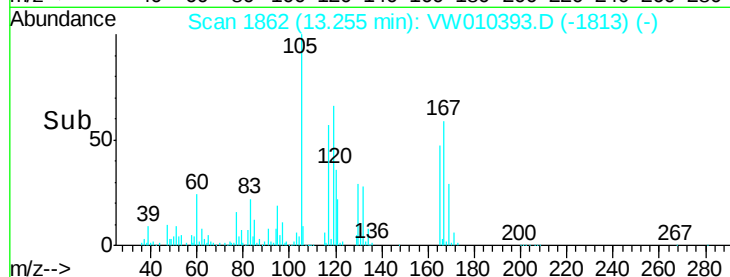
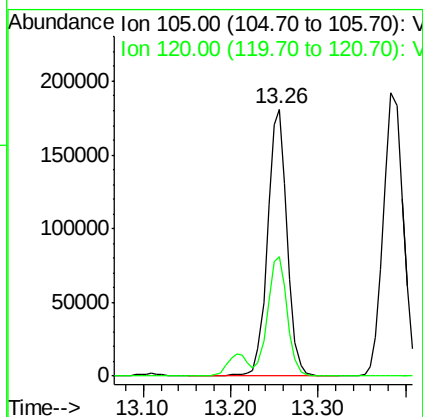
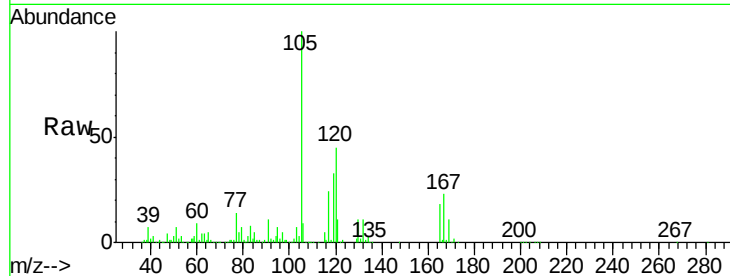
#84
 1,2,4-Trimethylbenzene
 Concen: 49.869 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.6	67.7

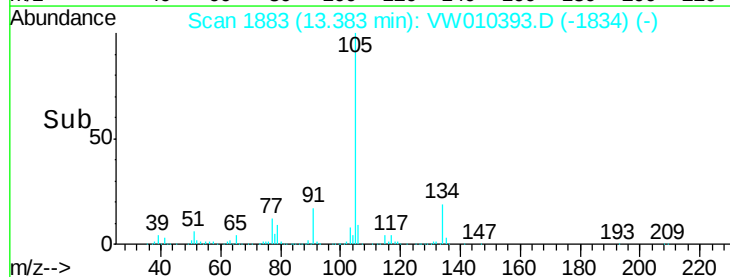
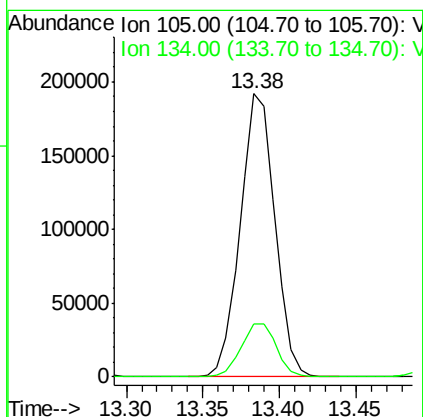
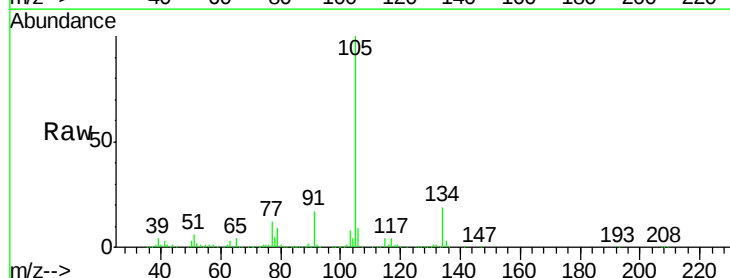
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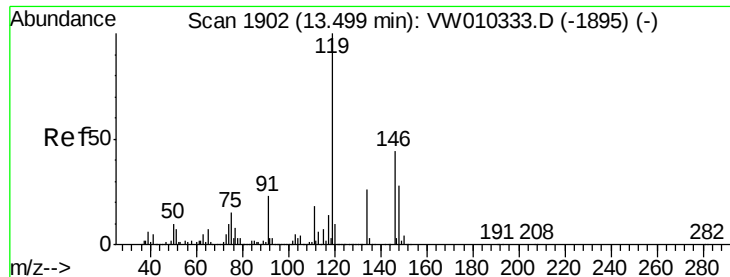
MMDadoda
 5/13/2019 3:44:12 AM



#85
 sec-Butylbenzene
 Concen: 42.335 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.5





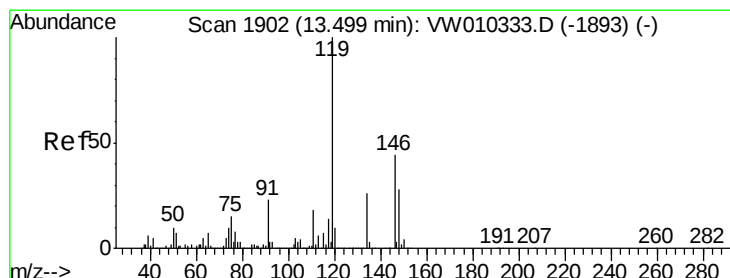
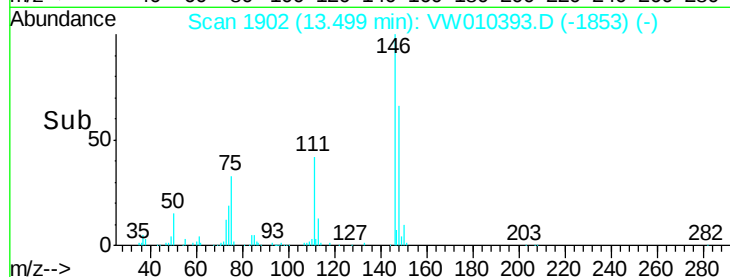
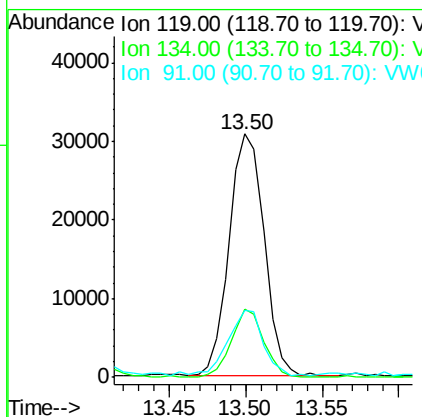
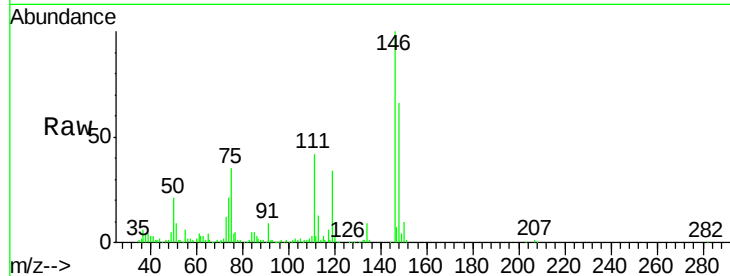
#86
p-Isopropyltoluene
Concen: 7.770 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion:	119	Resp:	49007
Ion Ratio	Lower	Upper	
119	100		
134	25.9	13.0	38.9
91	26.6	12.3	36.9

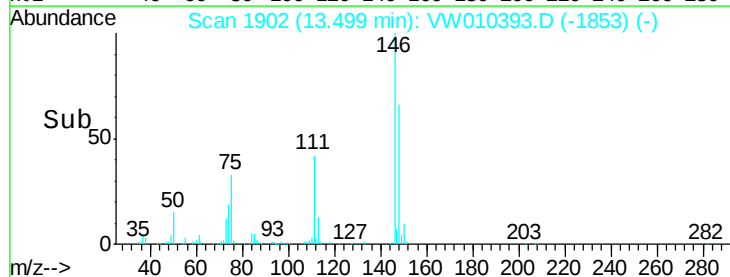
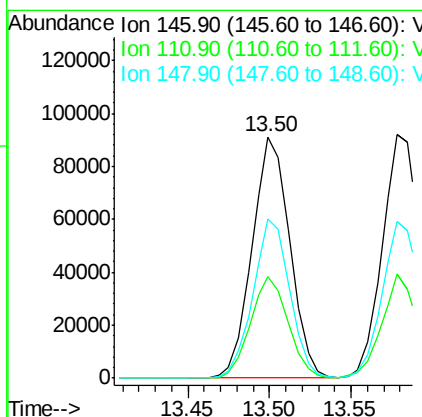
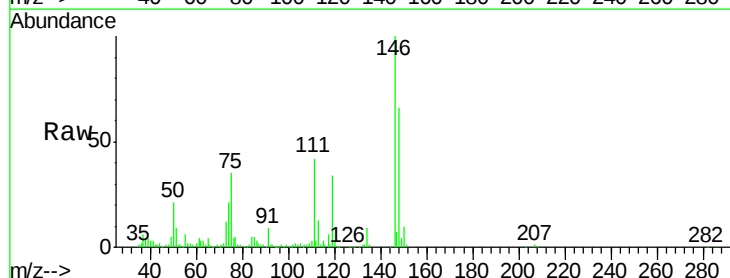
Manual Integrations
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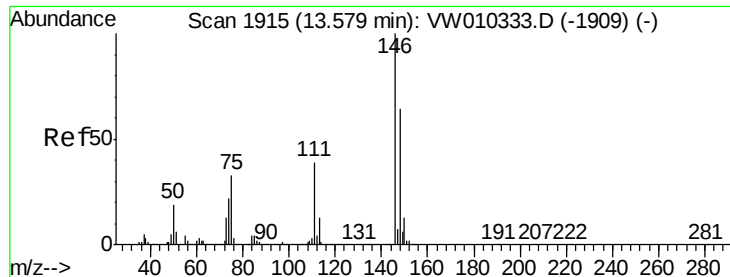
MMDadoda
5/13/2019 3:44:12 AM



#87
1,3-Dichlorobenzene
Concen: 47.325 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion:	146	Resp:	146017
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.3	61.0
148	64.5	32.0	96.2





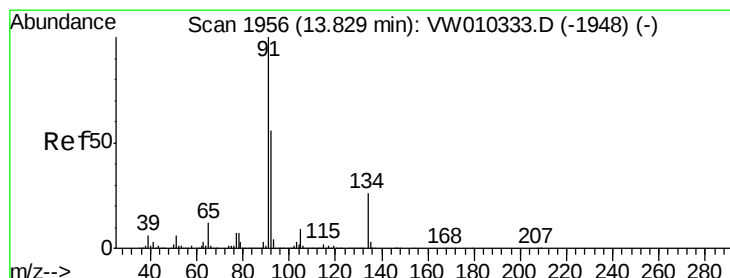
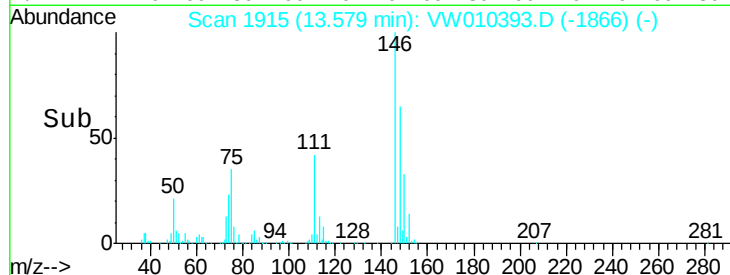
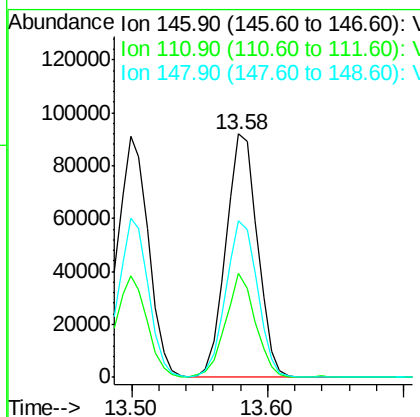
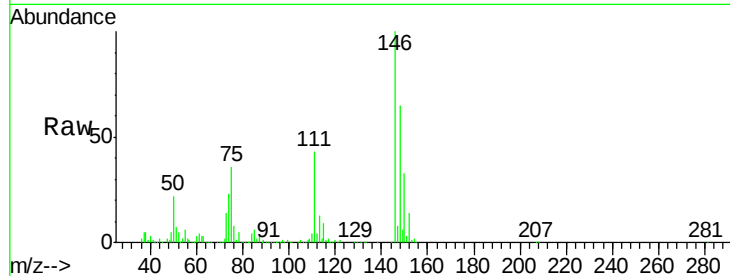
#88
 1,4-Dichlorobenzene
 Concen: 48.530 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	64.6	31.8	95.3

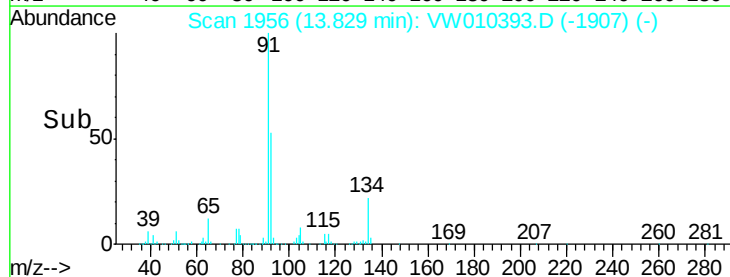
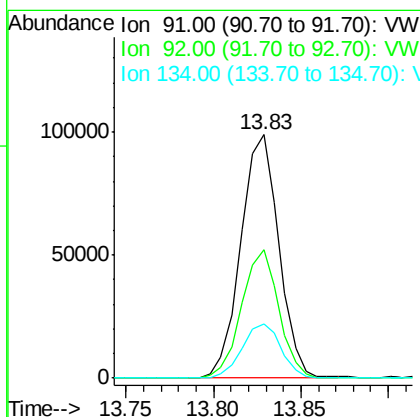
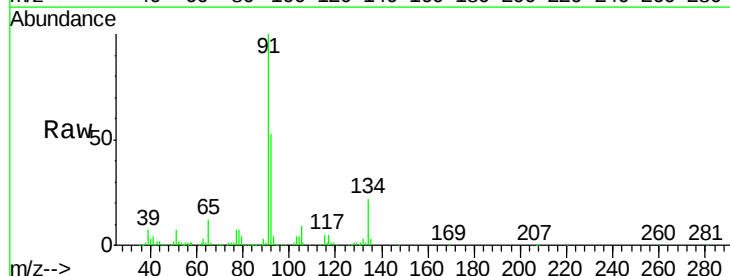
Manual Integrations
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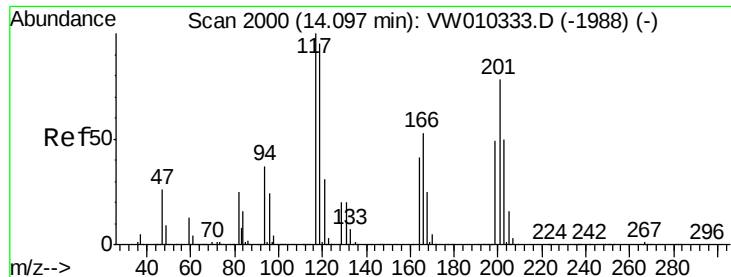
MMDadoda
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#89
 n-Butylbenzene
 Concen: 23.647 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.5	79.4
134	22.9	12.4	37.0





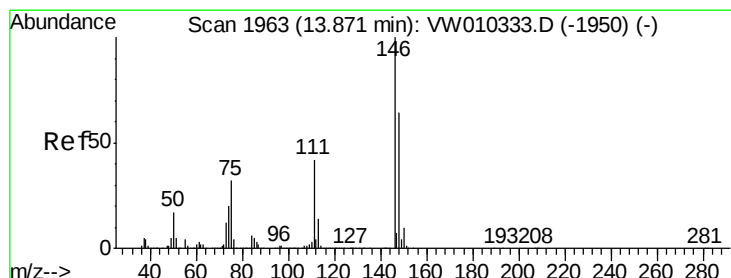
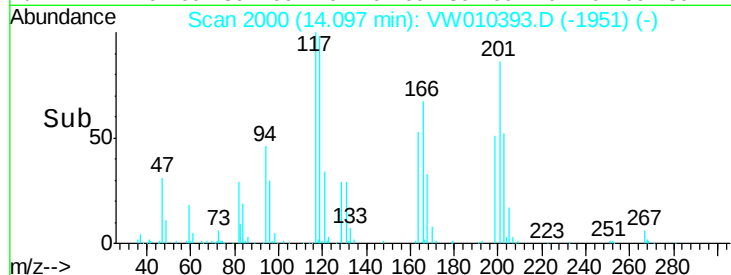
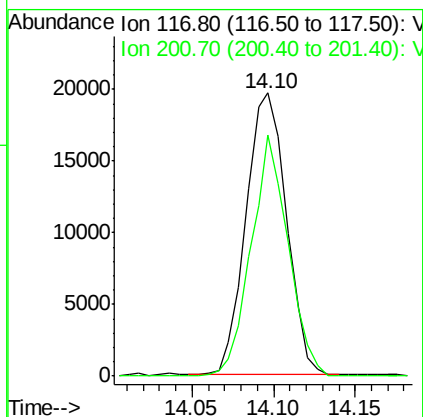
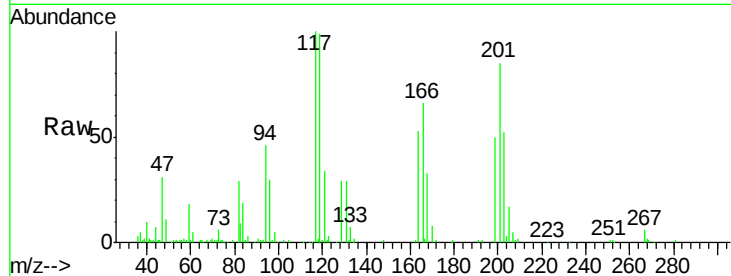
#90
Hexachloroethane
Concen: 29.071 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :
P026-SS008-0206-01MSD

Tot Ion:117 Resp: 34008
Ion Ratio Lower Upper
117 100
201 78.3 36.1 108.3

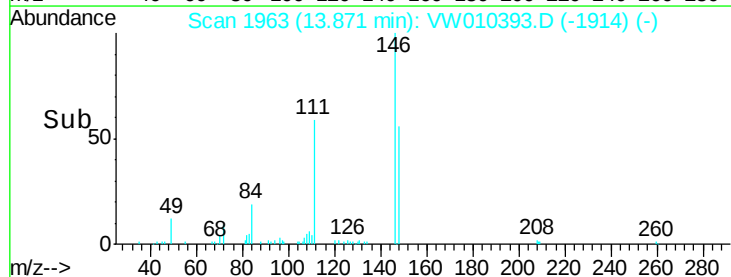
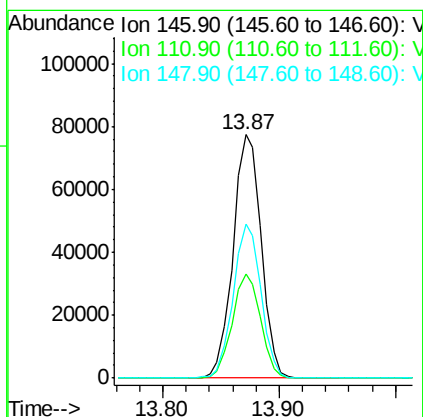
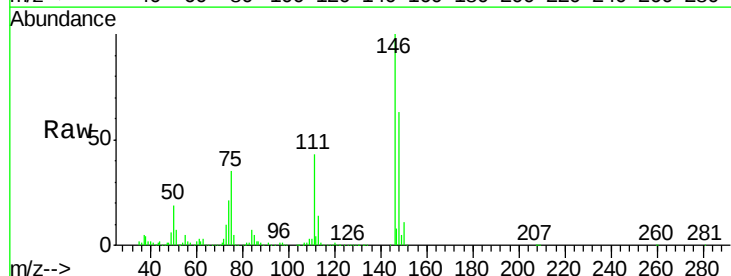
Manual Integrations
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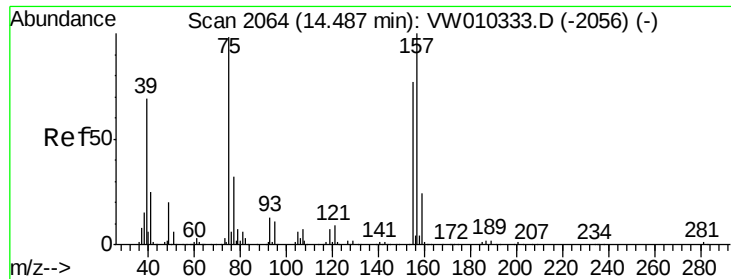
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 47.656 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion:146 Resp: 130160
Ion Ratio Lower Upper
146 100
111 42.9 20.9 62.8
148 62.7 31.9 95.7





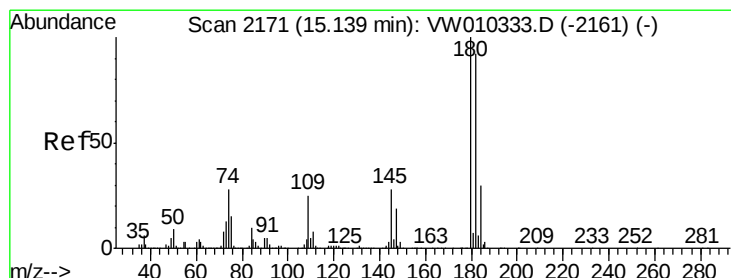
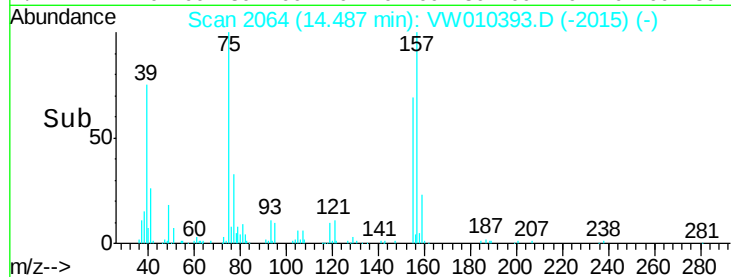
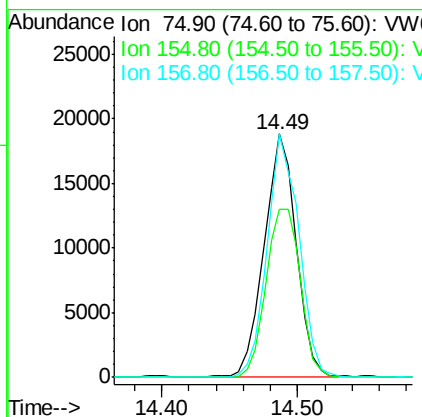
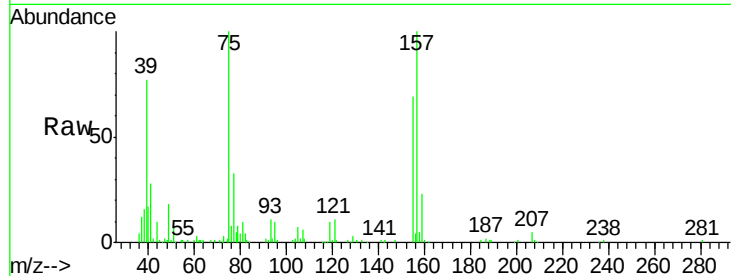
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 114.744 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	73.6	37.1	111.5
157	99.1	47.3	141.9

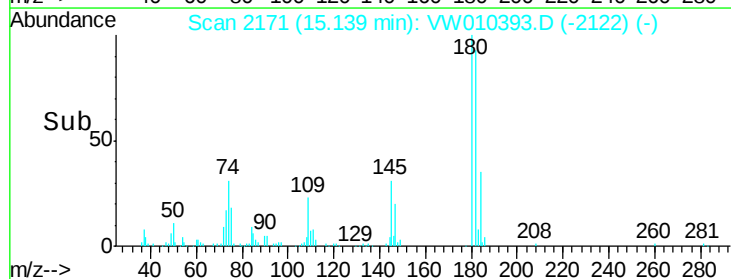
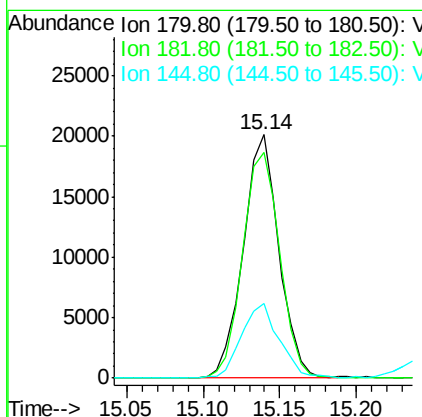
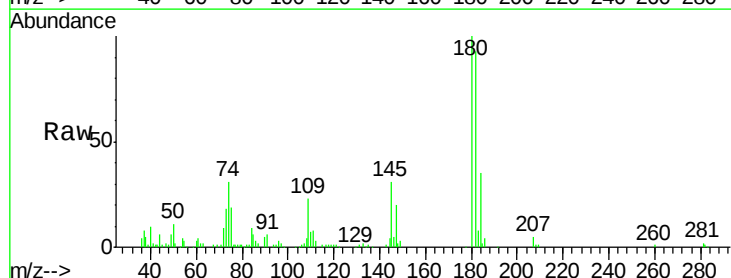
Manual Integrations
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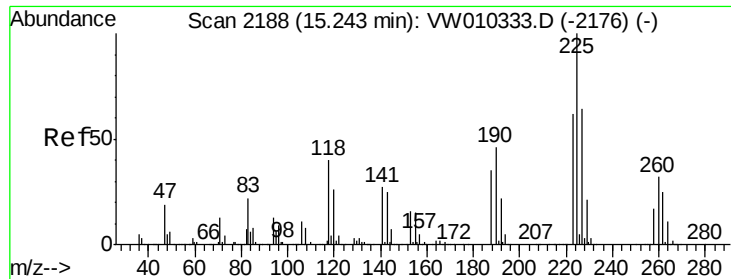
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#93
 1,2,4-Trichlorobenzene
 Concen: 17.493 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.1	141.4
145	32.4	15.2	45.6





#94

Hexachlorobutadiene

Concen: 18.215 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

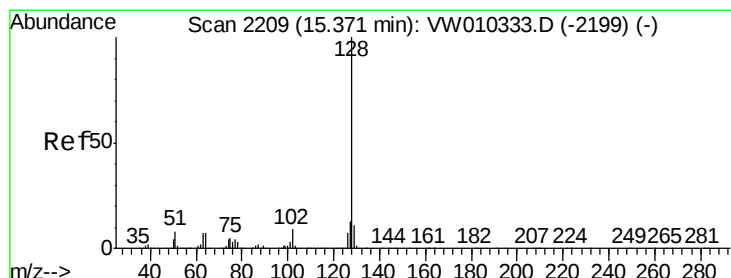
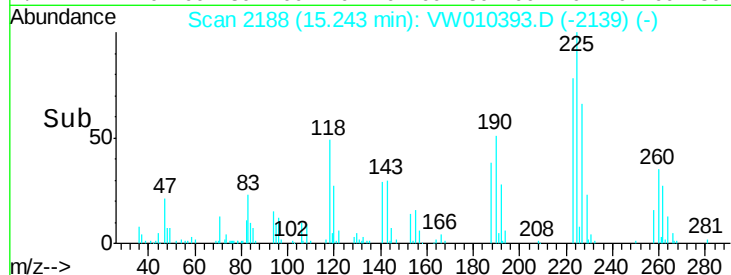
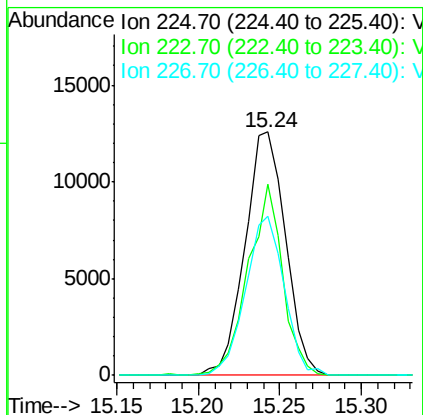
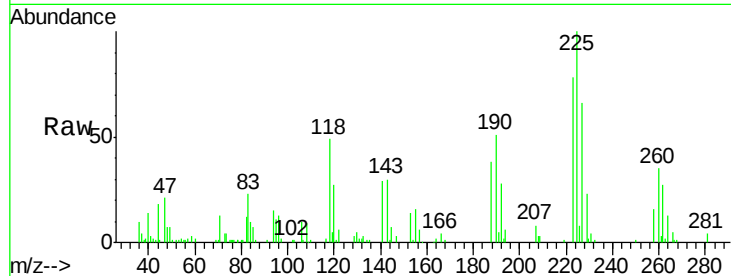
ClientSampleId :

P026-SS008-0206-01MSD

Tot Ion:	225	Resp:	21767
Ion Ratio		Lower	Upper
225	100		
223	66.9	31.9	95.5
227	62.3	31.8	95.3

Manual Integrations
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5/13/2019 3:44:12 AM



#95

Naphthalene

Concen: 19.452 ug/l

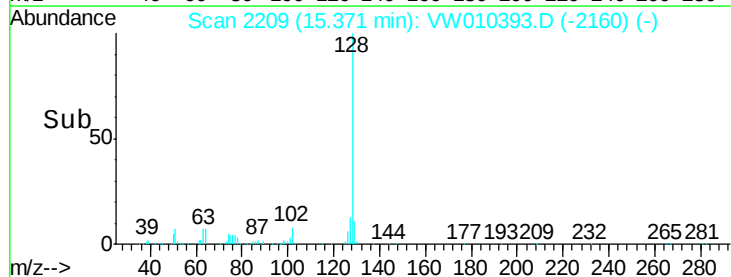
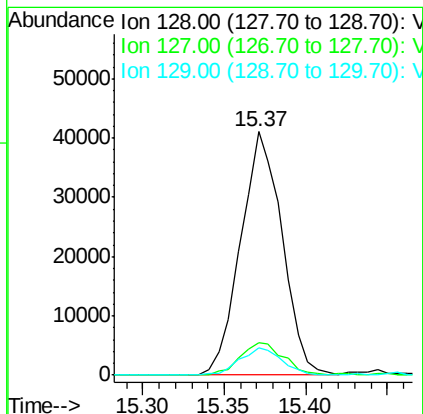
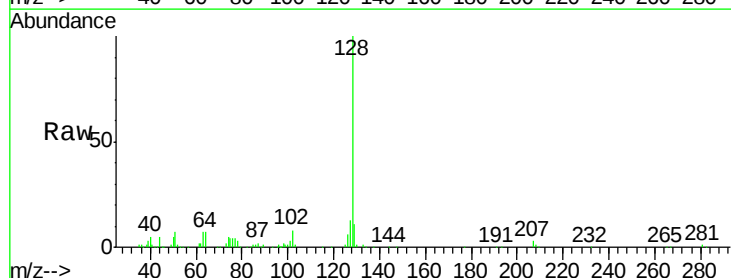
RT: 15.37 min Scan# 2209

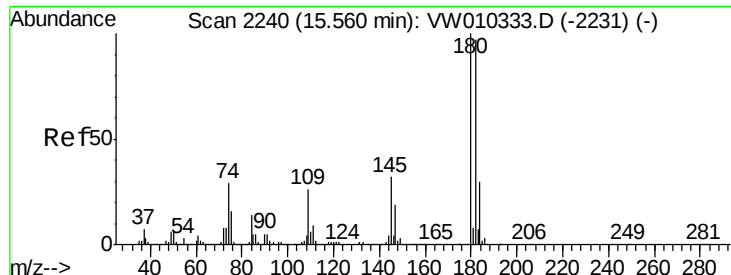
Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Tgt Ion:	128	Resp:	72757
Ion Ratio		Lower	Upper
128	100		
127	14.1	10.6	15.8
129	11.5	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 16.073 ug/l
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS008-0206-01MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.9	47.8	143.3
145	32.2	16.4	49.2

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 3:44:12 AM

