

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010425.D
 Acq On : 17 May 2019 21:53
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:15:15 PM

Quant Time: May 18 00:11:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	713399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1292249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1152566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	558011	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	436442	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
35) Dibromofluoromethane	7.88	113	413215	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
50) Toluene-d8	10.32	98	1550082	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.62	95	601475	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	246863	49.219	ug/l	97
3) Chloromethane	2.20	50	370431	50.810	ug/l	100
4) Vinyl Chloride	2.35	62	386293	45.196	ug/l	98
5) Bromomethane	2.75	94	248137	57.837	ug/l	98
6) Chloroethane	2.90	64	256305	48.110	ug/l	92
7) Trichlorofluoromethane	3.25	101	555194	46.839	ug/l	99
8) Diethyl Ether	3.68	74	216226	51.285	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	356209	47.216	ug/l	99
10) Methyl Iodide	4.26	142	417809	49.522	ug/l	99
11) Tert butyl alcohol	5.18	59	205769	289.939	ug/l	99
12) 1,1-Dichloroethene	4.03	96	335167	47.110	ug/l	98
13) Acrolein	3.89	56	118152	263.525	ug/l	100
14) Allyl chloride	4.67	41	534917	48.470	ug/l	100
15) Acrylonitrile	5.37	53	495074	274.638	ug/l	99
16) Acetone	4.12	43	377666	274.028	ug/l	95
17) Carbon Disulfide	4.37	76	941398	46.338	ug/l	99
18) Methyl Acetate	4.67	43	220982	51.308	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	1080145	52.931	ug/l	98
20) Methylene Chloride	4.91	84	380935	52.904	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	406613	49.003	ug/l	99
22) Diisopropyl ether	6.31	45	1202111	51.037	ug/l	99
23) Vinyl Acetate	6.25	43	3829566	260.636	ug/l	100
24) 1,1-Dichloroethane	6.21	63	669706	49.112	ug/l	99
25) 2-Butanone	7.17	43	657032	279.666	ug/l	98
26) 2,2-Dichloropropane	7.17	77	547768	44.514	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	466458	50.126	ug/l	99
28) Bromochloromethane	7.51	49	293811	57.348	ug/l	98
29) Tetrahydrofuran	7.53	42	450515	283.369	ug/l	99
30) Chloroform	7.68	83	724881	50.542	ug/l	100
31) Cyclohexane	7.95	56	599461	49.796	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	661887	48.942	ug/l	99
36) 1,1-Dichloropropene	8.08	75	538472	47.068	ug/l	99
37) Ethyl Acetate	7.25	43	303442	55.281	ug/l	99
38) Carbon Tetrachloride	8.07	117	583969	47.299	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	703651	46.058	ug/l	97
40) Benzene	8.32	78	1586020	48.577	ug/l	98
41) Methacrylonitrile	7.49	41	173233	52.703	ug/l	91
42) 1,2-Dichloroethane	8.40	62	497218	51.111	ug/l	99
43) Isopropyl Acetate	8.42	43	600361	53.709	ug/l	100
44) Trichloroethene	9.09	130	456676	48.820	ug/l	99
45) 1,2-Dichloropropane	9.37	63	400542	50.115	ug/l	98
46) Dibromomethane	9.46	93	243289	51.530	ug/l	98
47) Bromodichloromethane	9.65	83	594030	50.632	ug/l	97
48) Methyl methacrylate	9.43	41	271177	52.648	ug/l	99
49) 1,4-Dioxane	9.45	88	77781	1113.167	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1546304	270.438	ug/l	100
52) Toluene	10.39	92	1038801	47.905	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	607151	50.178	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	675985	49.278	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	353788	51.936	ug/l	97
56) Ethyl methacrylate	10.65	69	496244	52.207	ug/l	99
57) 1,3-Dichloropropane	10.93	76	590988	51.753	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1220609	267.253	ug/l	99
59) 2-Hexanone	10.97	43	1080560	271.395	ug/l	99
60) Dibromochloromethane	11.13	129	435775	51.552	ug/l	100
61) 1,2-Dibromoethane	11.24	107	358374	51.910	ug/l	98
64) Tetrachloroethene	10.86	164	403918	53.281	ug/l	99
65) Chlorobenzene	11.66	112	1149552	49.117	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	437668	50.640	ug/l	99
67) Ethyl Benzene	11.73	91	1974326	47.889	ug/l	100
68) m/p-Xylenes	11.84	106	1546634	95.849	ug/l	99
69) o-Xylene	12.16	106	751323	48.845	ug/l	100
70) Styrene	12.18	104	1304743	49.264	ug/l	99
71) Bromoform	12.35	173	260102	53.412	ug/l #	99
73) Isopropylbenzene	12.46	105	1972984	45.726	ug/l	100
74) N-amyl acetate	12.27	43	565809	51.170	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	427539	50.030	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	297485m	49.786	ug/l	
77) Bromobenzene	12.75	156	479457	49.188	ug/l	99
78) n-propylbenzene	12.80	91	2272612	45.406	ug/l	100
79) 2-Chlorotoluene	12.89	91	1368877	46.835	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1716220	46.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	142756	47.145	ug/l	99
82) 4-Chlorotoluene	12.99	91	1427622	46.769	ug/l	99
83) tert-Butylbenzene	13.21	119	1448307	46.629	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1704447	47.172	ug/l	100
85) sec-Butylbenzene	13.38	105	2020593	46.199	ug/l	100
86) p-Isopropyltoluene	13.50	119	1828758	46.285	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	892043	47.520	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	915183	48.978	ug/l	98
89) n-Butylbenzene	13.83	91	1715670	45.511	ug/l	100
90) Hexachloroethane	14.10	117	374376	47.103	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	848403	49.708	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	84409	53.080	ug/l	97

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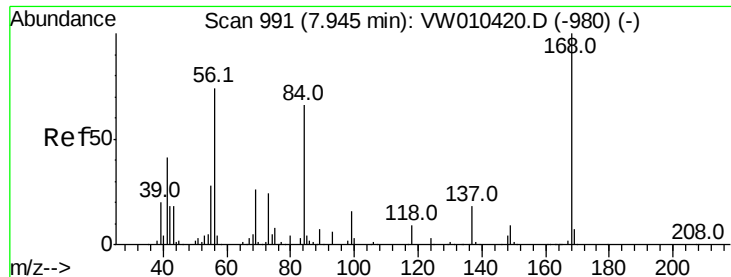
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	548784	49.323	ug/l	100
94) Hexachlorobutadiene	15.24	225	284021	47.815	ug/l	98
95) Naphthalene	15.37	128	1323794	52.635	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	501181	51.089	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 713399

Ion Ratio Lower Upper

168 100

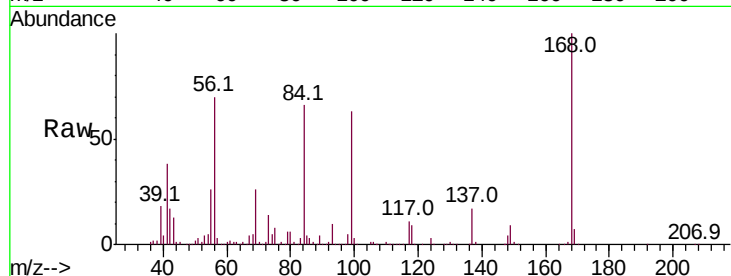
99 62.8 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

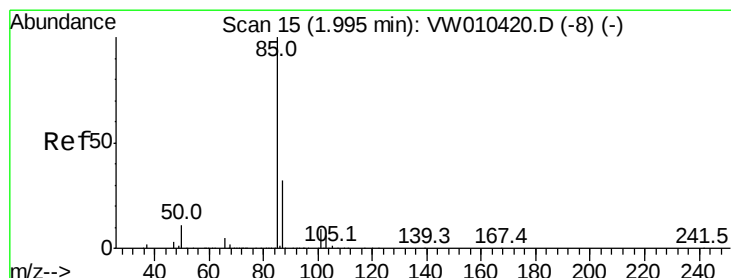
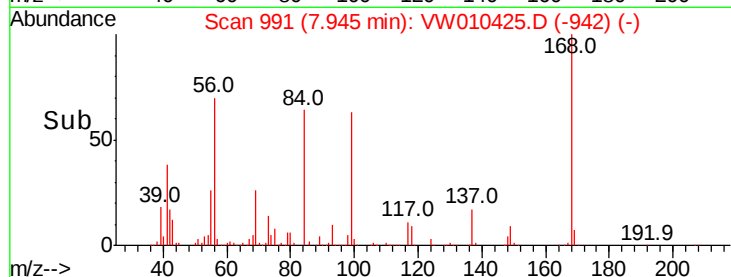
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 49.219 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010425.D

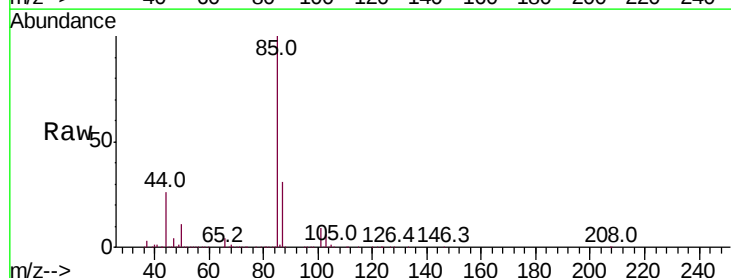
Acq: 17 May 2019 21:53

Tgt Ion: 85 Resp: 246863

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

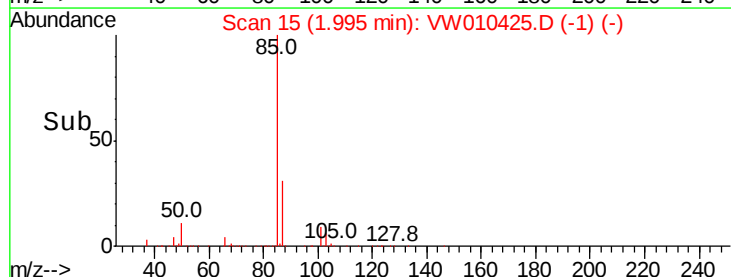
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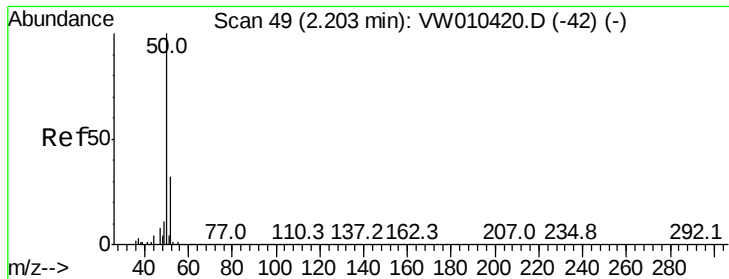
100000

50000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 50.810 ug/l

RT: 2.20 min Scan# 49

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 370431

Ion Ratio Lower Upper

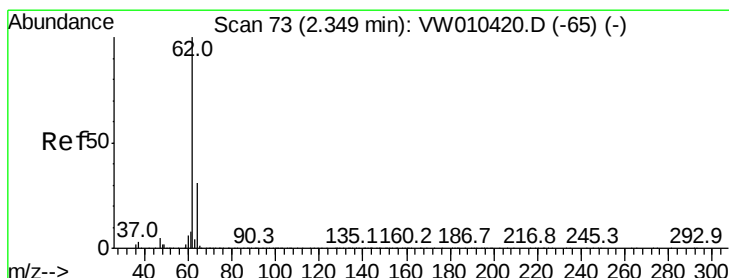
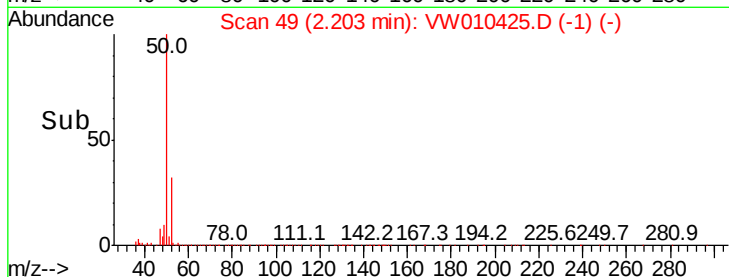
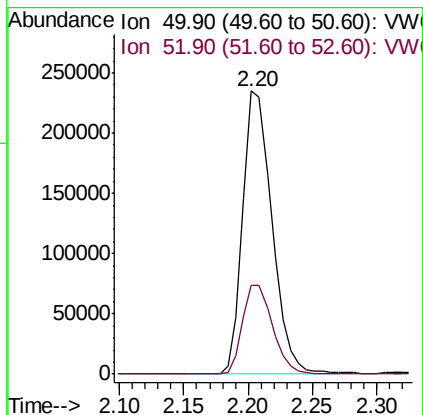
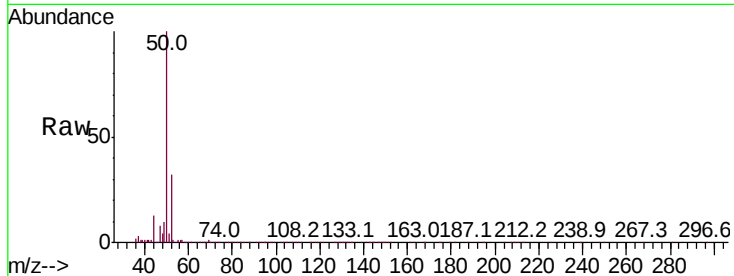
50 100

52 31.5 25.4 38.0

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#4

Vinyl Chloride

Concen: 45.196 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VW010425.D

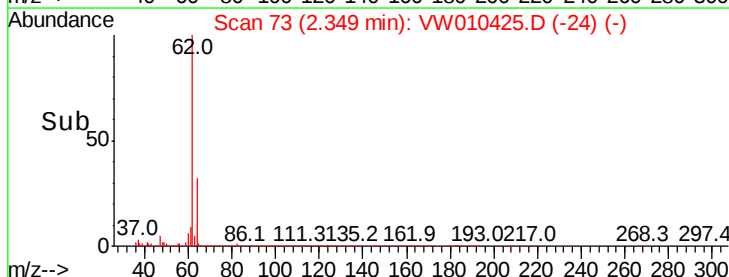
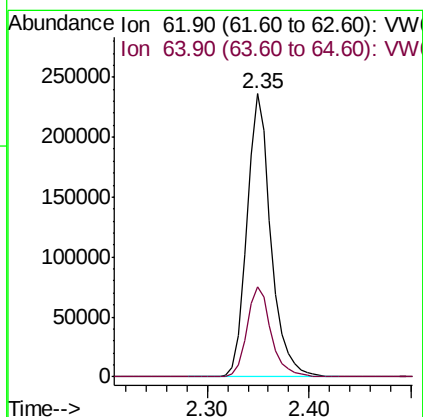
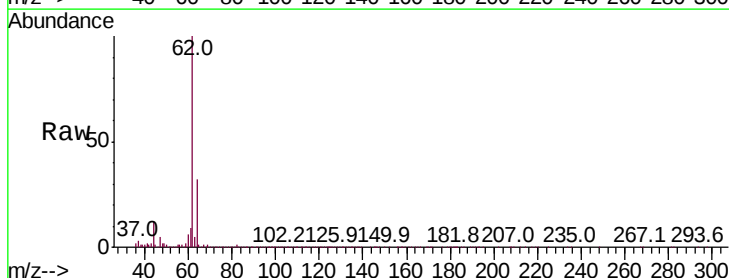
Acq: 17 May 2019 21:53

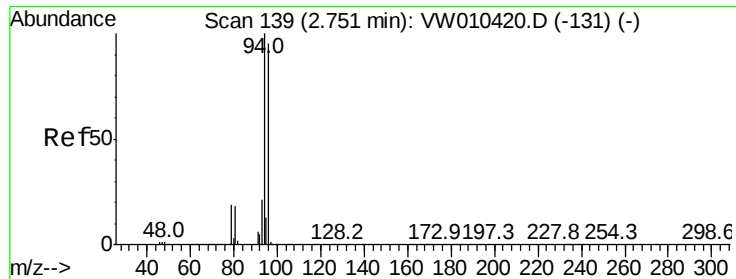
Tgt Ion: 62 Resp: 386293

Ion Ratio Lower Upper

62 100

64 31.6 24.4 36.6





#5

Bromomethane

Concen: 57.837 ug/l

RT: 2.75 min Scan# 139

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 248137

Ion Ratio Lower Upper

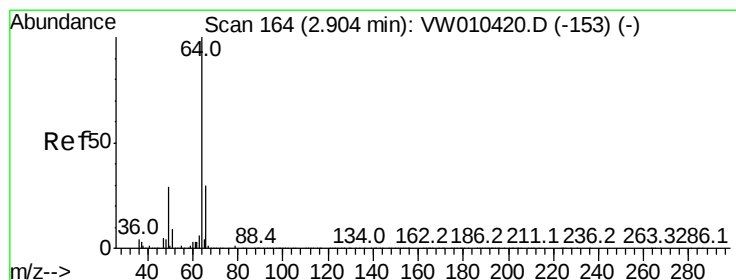
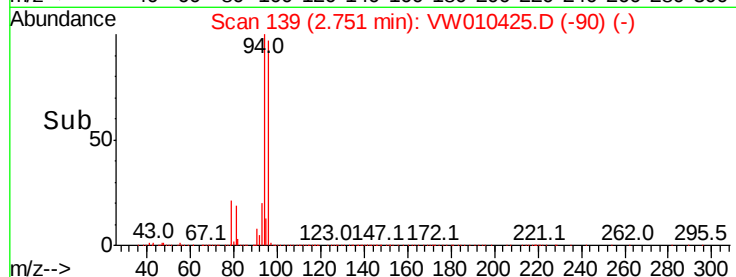
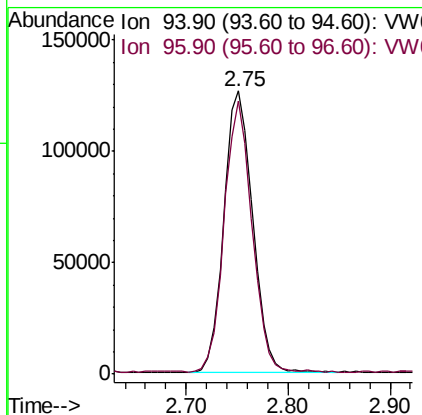
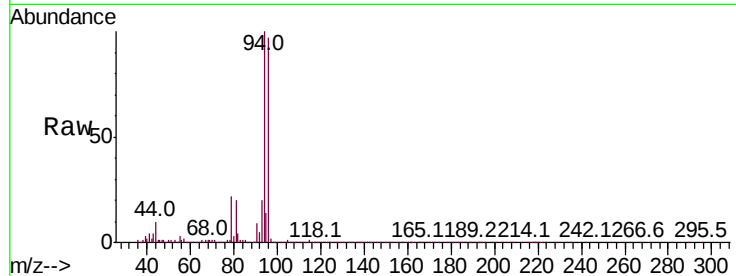
94 100

96 96.3 75.8 113.6

Manual Integrations
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5/20/2019 12:15:15 PM



#6

Chloroethane

Concen: 48.110 ug/l

RT: 2.90 min Scan# 164

Delta R.T. 0.00 min

Lab File: VW010425.D

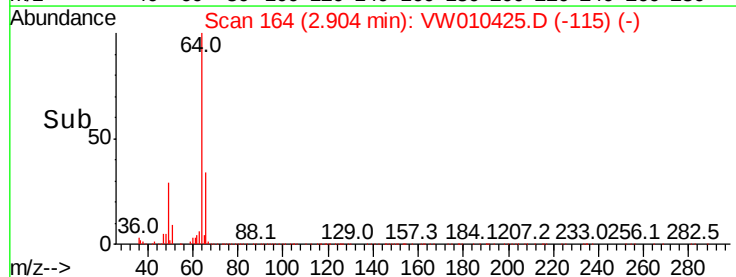
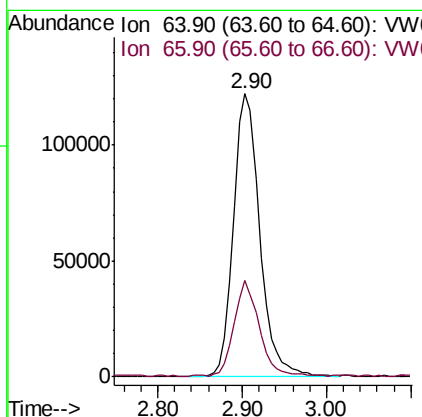
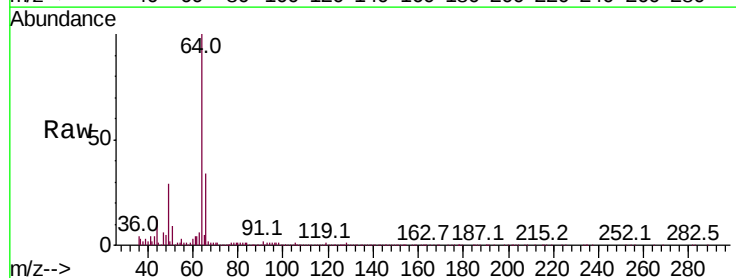
Acq: 17 May 2019 21:53

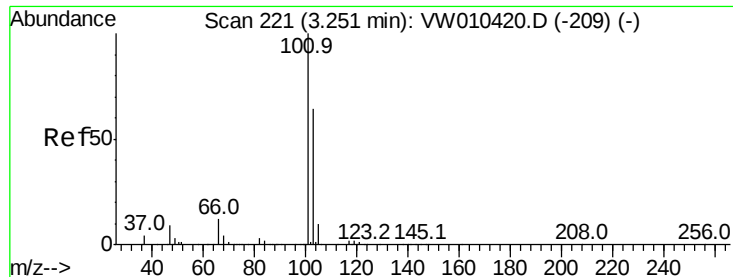
Tgt Ion: 64 Resp: 256305

Ion Ratio Lower Upper

64 100

66 33.6 23.6 35.4





#7

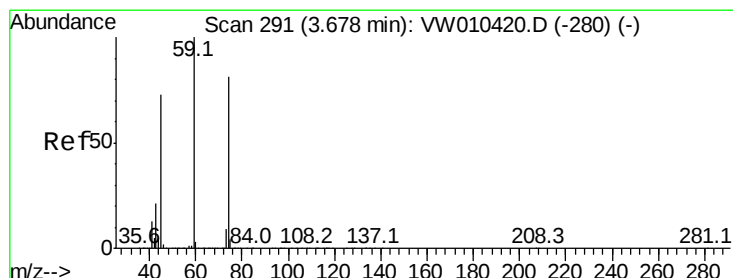
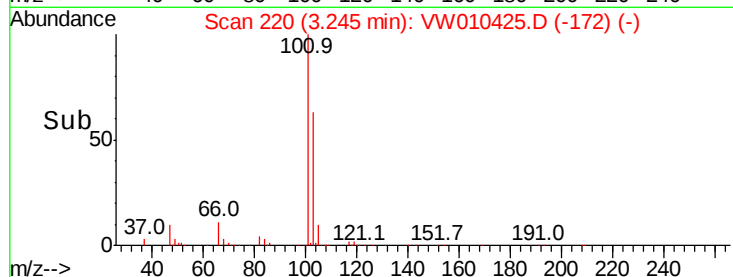
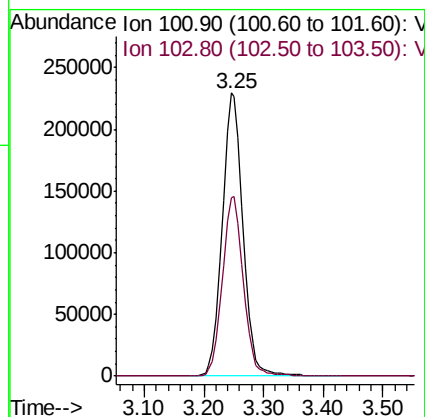
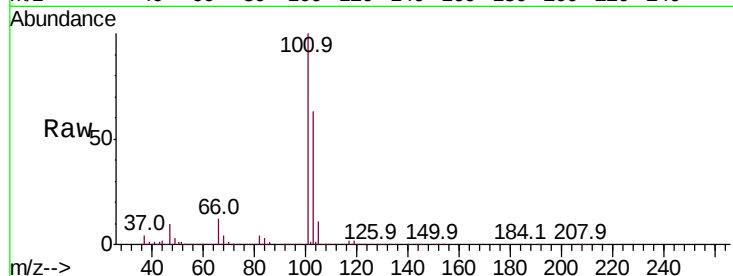
Trichlorofluoromethane
Concen: 46.839 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	555194		
103	63.2		51.4	77.0

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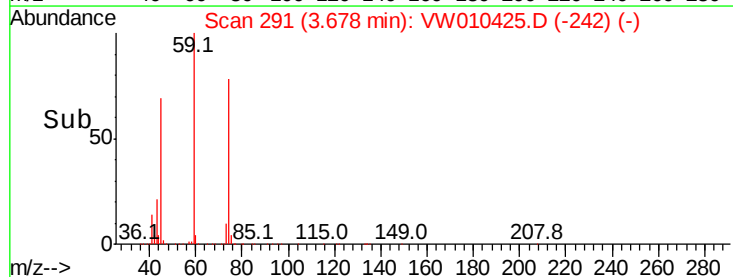
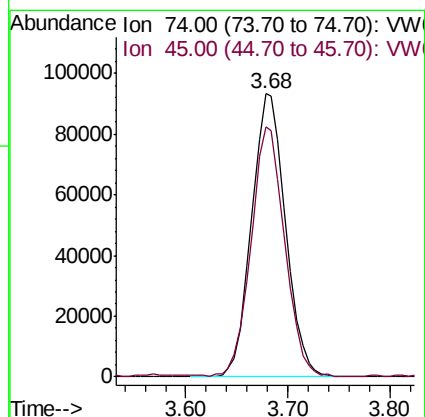
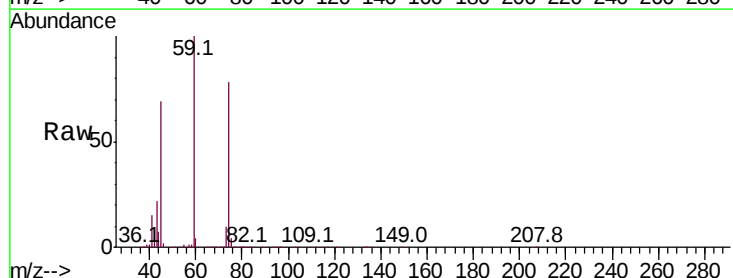
MMDadoda
5/20/2019 12:15:15 PM

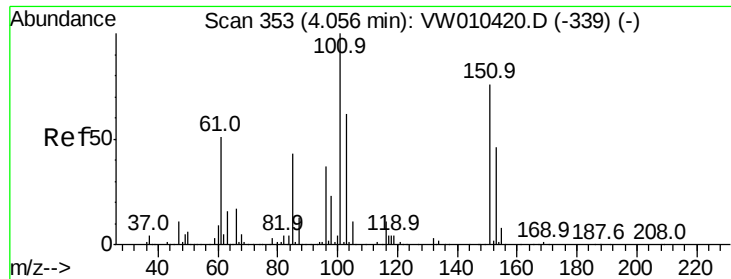


#8

Diethyl Ether
Concen: 51.285 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	216226		
45	86.7		43.4	130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.216 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010425.D

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Instrument :

MSVOA_W

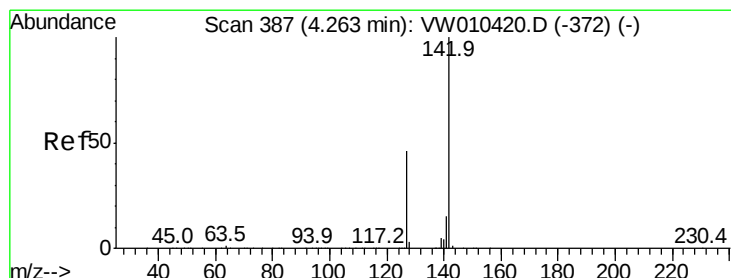
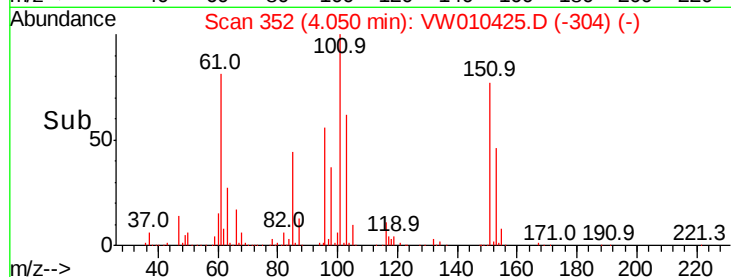
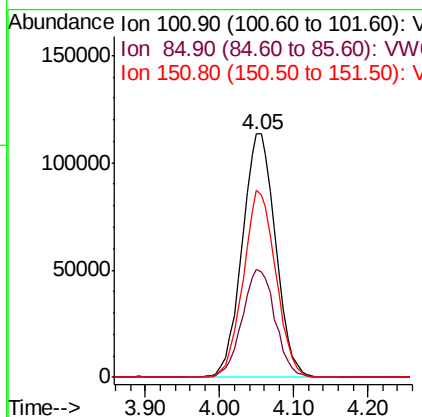
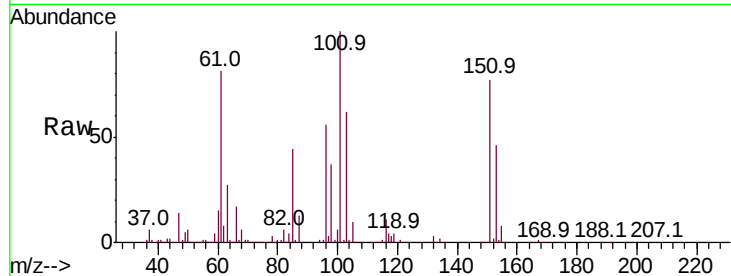
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	356209
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.3	51.5
151	74.8	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.522 ug/l

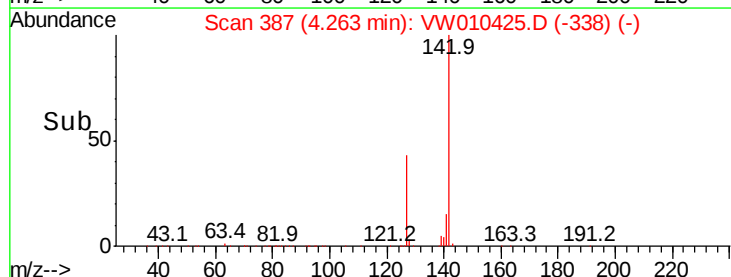
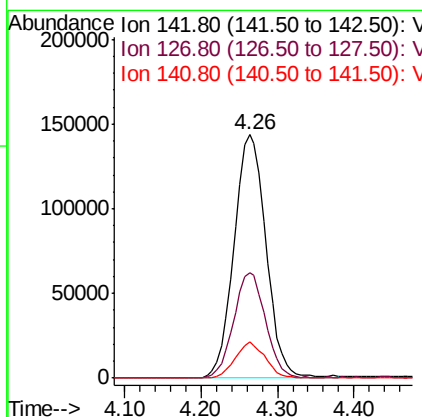
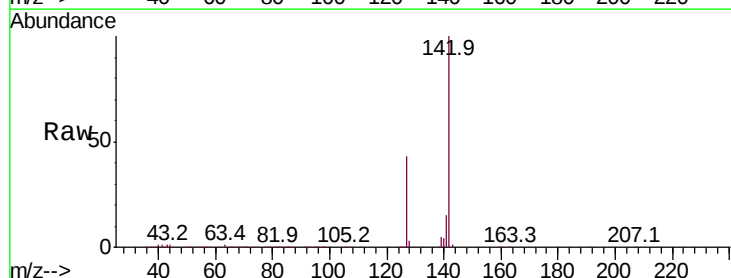
RT: 4.26 min Scan# 387

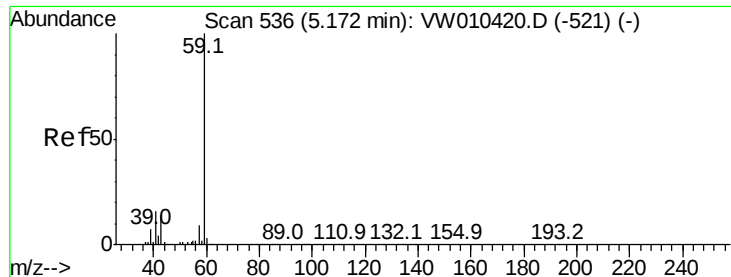
Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion:	142	Resp:	417809
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.4	53.2
141	14.0	11.4	17.2





#11

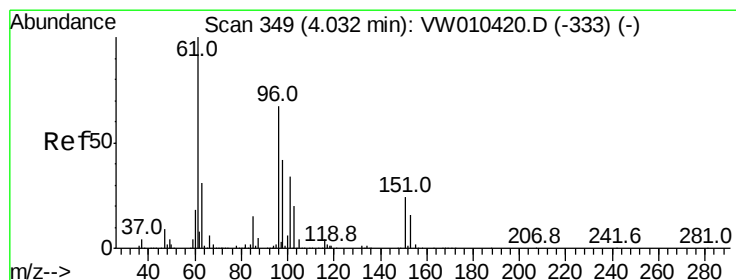
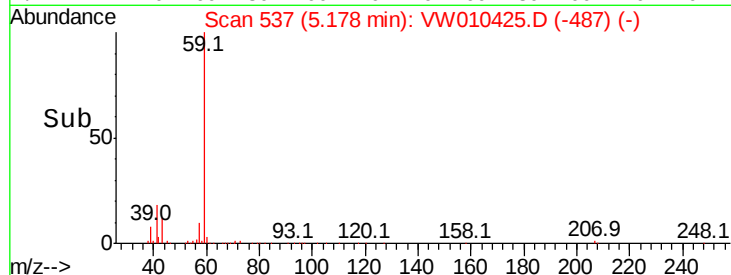
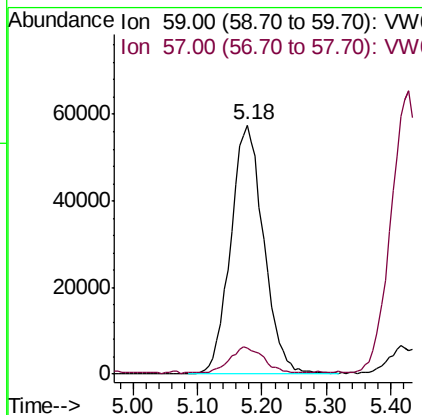
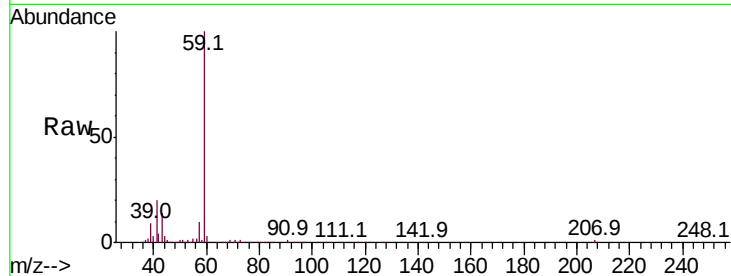
Tert butyl alcohol
Concen: 289.939 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	205769
Ion Ratio	100	Lower	Upper
57	10.2	8.4	12.6

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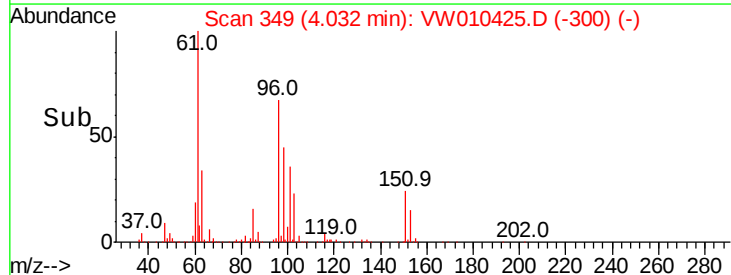
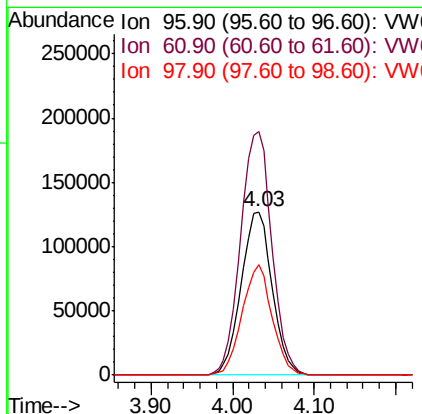
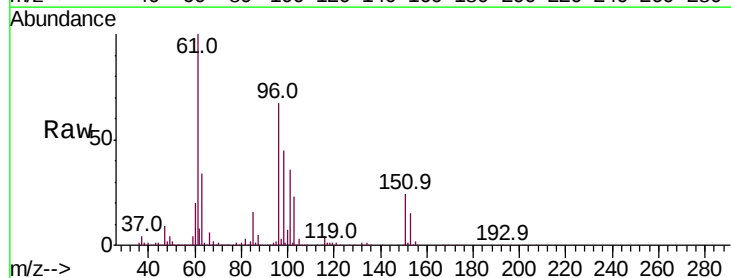
MMDadoda
5/20/2019 12:15:15 PM

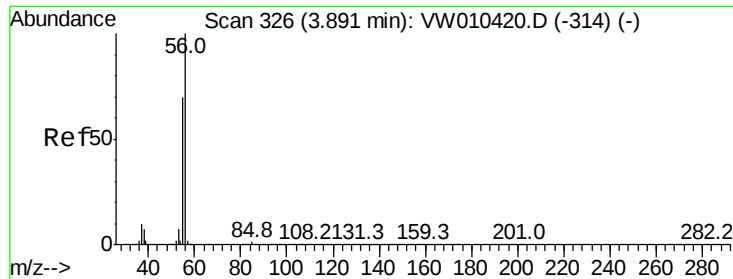


#12

1,1-Dichloroethene
Concen: 47.110 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	96	Resp	335167
Ion Ratio	100	Lower	Upper
61	149.3	120.3	180.5
98	67.5	50.7	76.1





#13

Acrolein

Concen: 263.525 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 118152

Ion Ratio Lower Upper

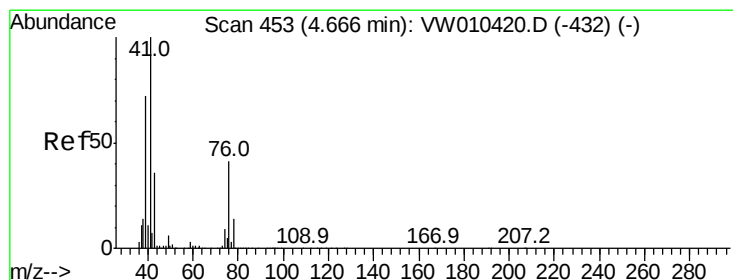
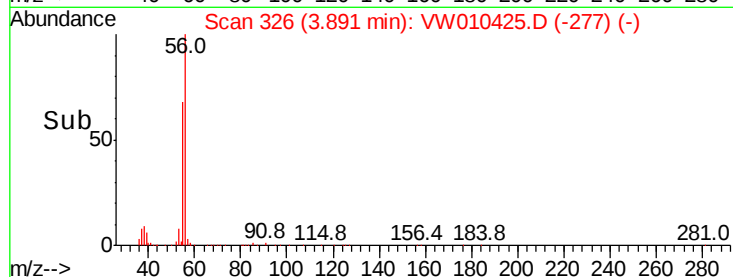
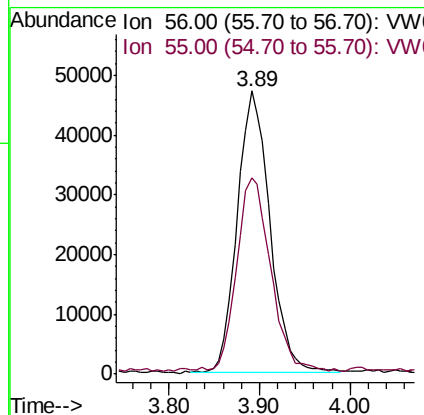
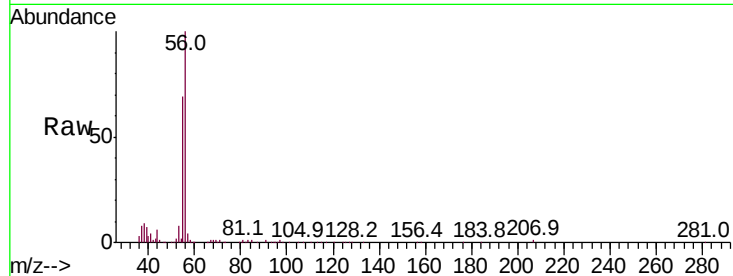
56 100

55 71.8 57.6 86.4

Manual Integrations
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#14

Allyl chloride

Concen: 48.470 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

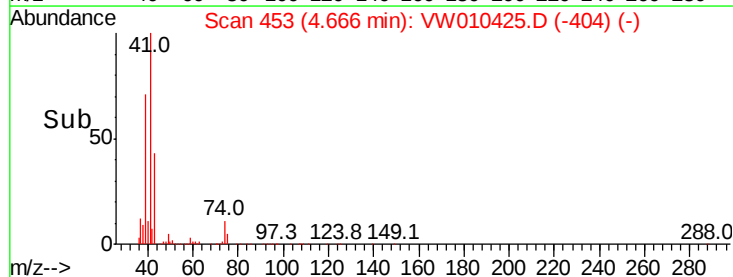
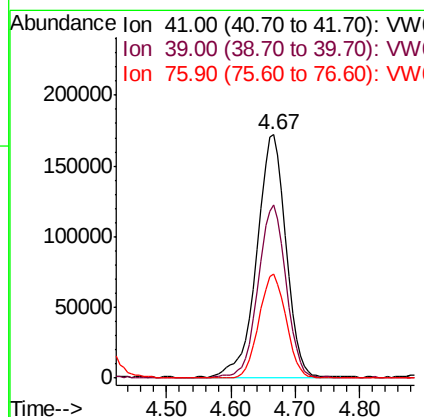
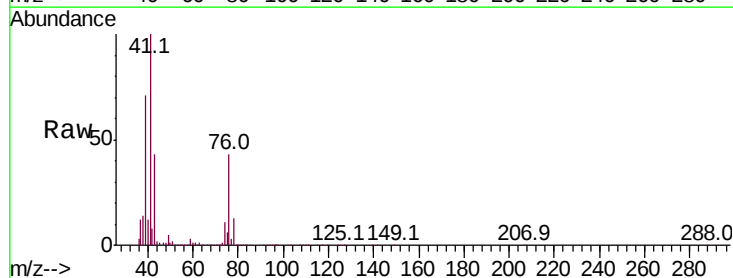
Tgt Ion: 41 Resp: 534917

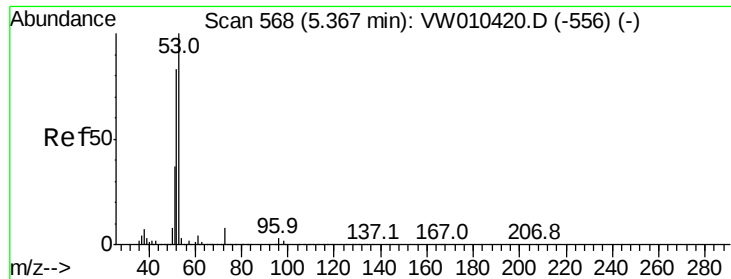
Ion Ratio Lower Upper

41 100

39 68.2 54.9 82.3

76 39.9 31.8 47.6





#15

Acrylonitrile

Concen: 274.638 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

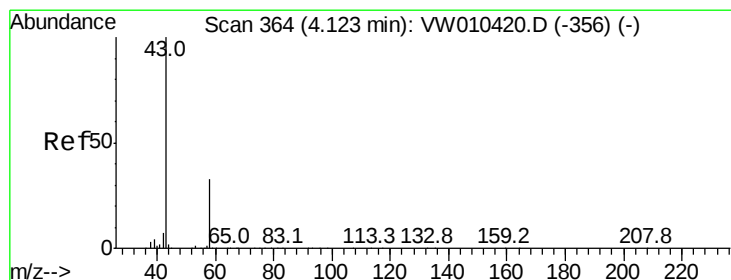
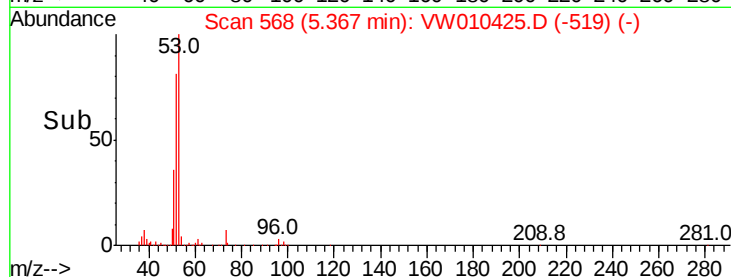
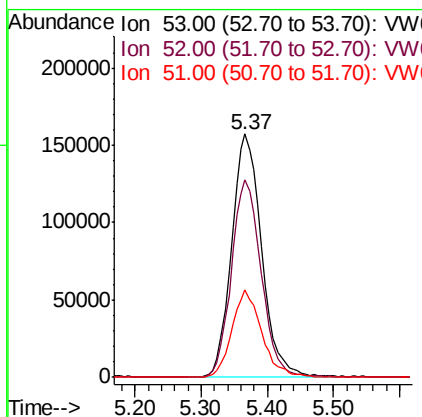
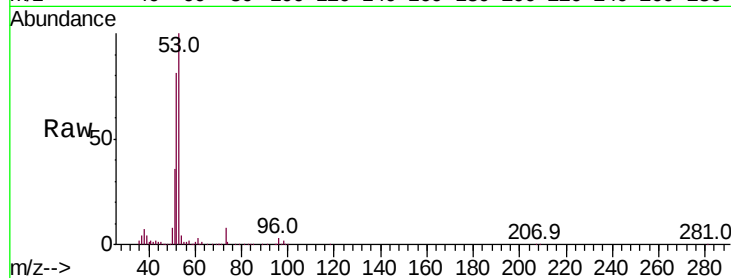
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	495074
Ion Ratio	Lower	Upper	
53	100		
52	80.5	63.9	95.9
51	35.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 274.028 ug/l

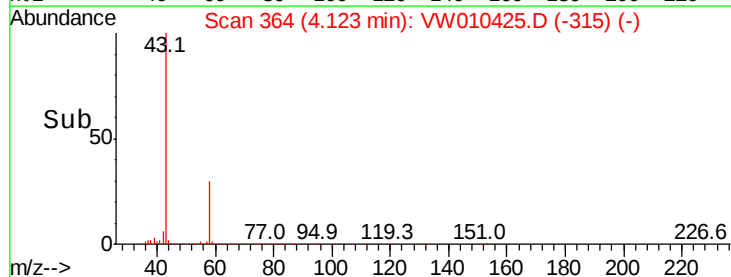
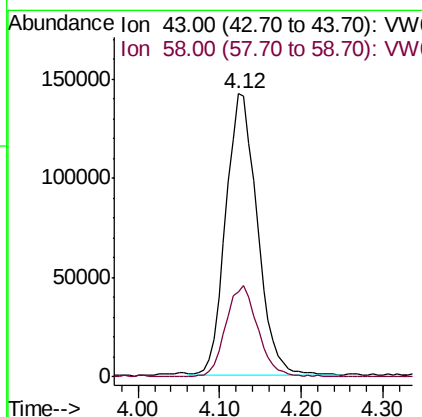
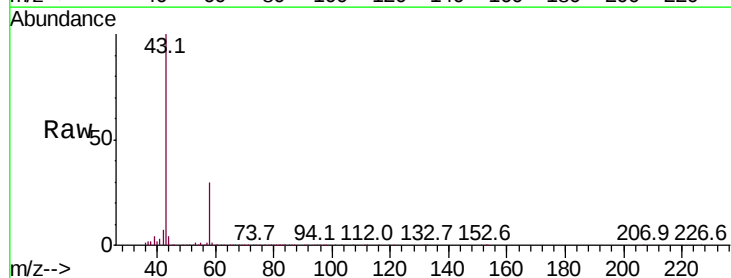
RT: 4.12 min Scan# 364

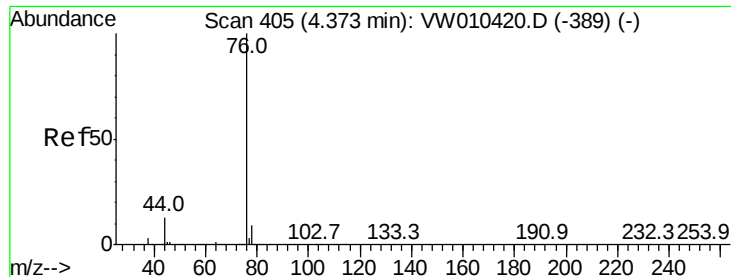
Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion:	43	Resp:	377666
Ion Ratio	Lower	Upper	
43	100		
58	29.8	26.0	39.0





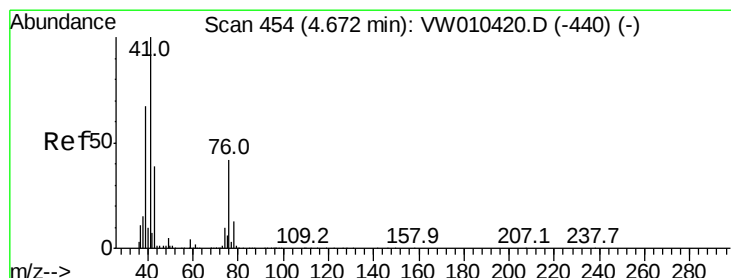
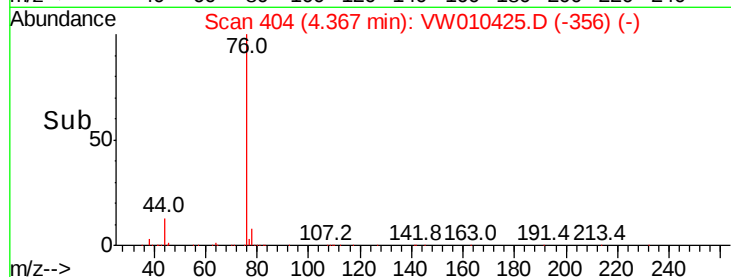
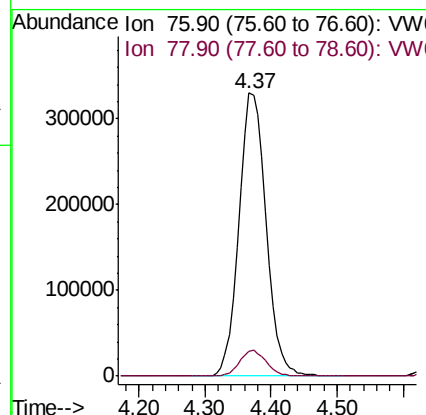
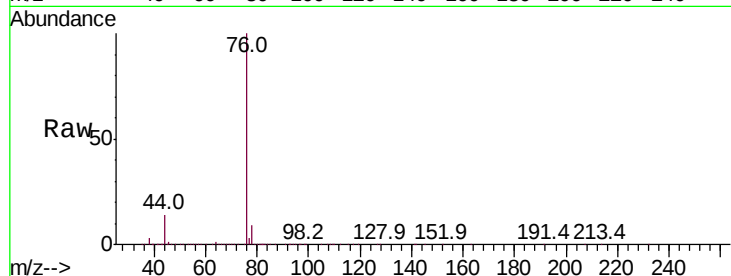
#17
Carbon Disulfide
Concen: 46.338 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

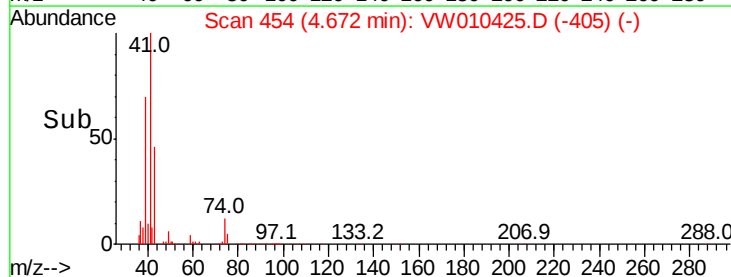
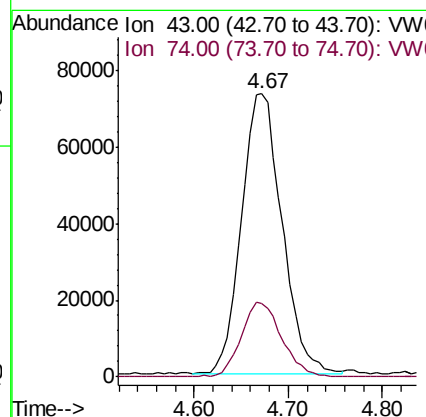
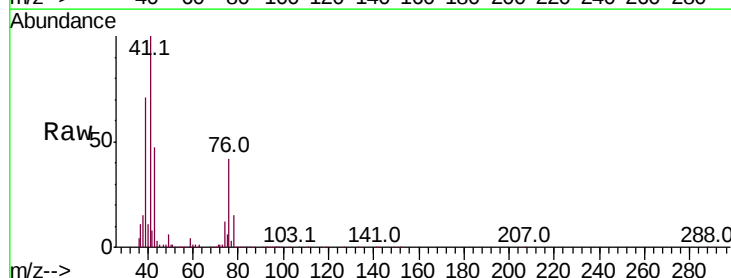
Manual Integrations
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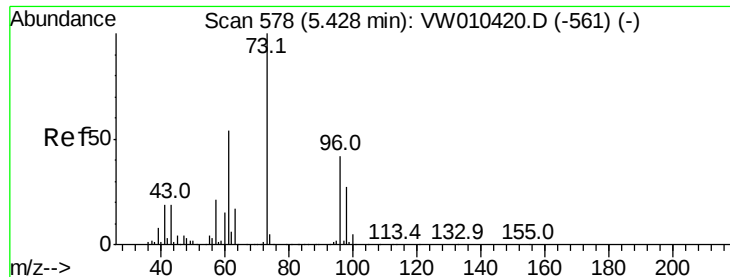
MMDadoda
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#18
Methyl Acetate
Concen: 51.308 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	21.2	31.8





#19

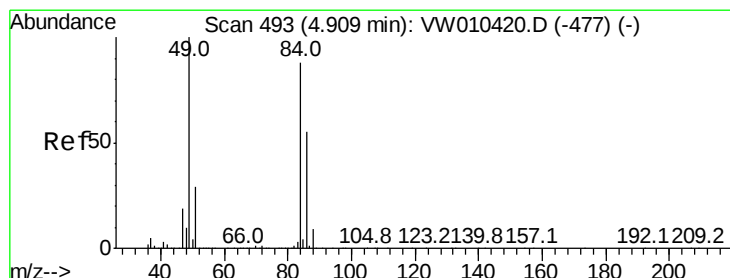
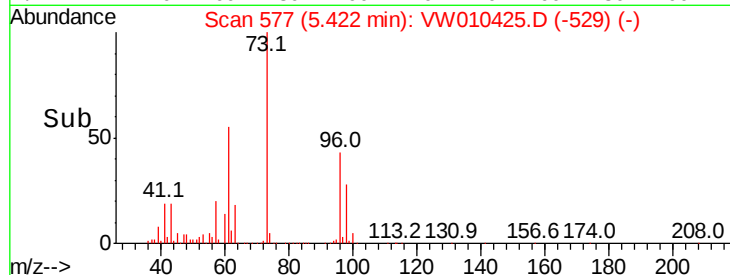
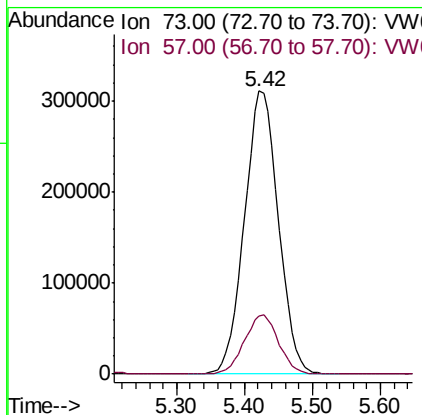
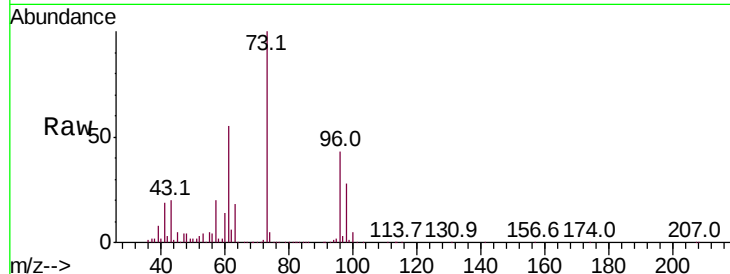
Methyl tert-butyl Ether
 Concen: 52.931 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1080145
 Ion Ratio Lower Upper
 73 100
 57 20.2 17.0 25.4

Manual Integrations
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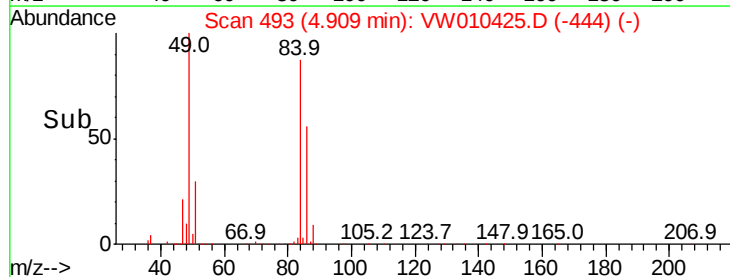
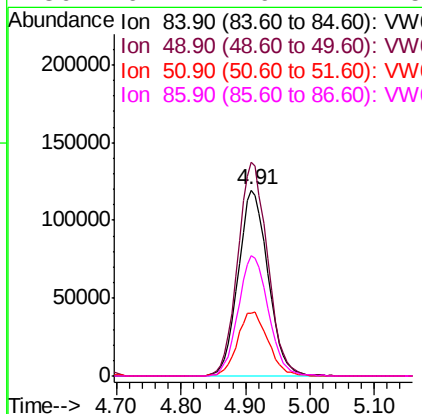
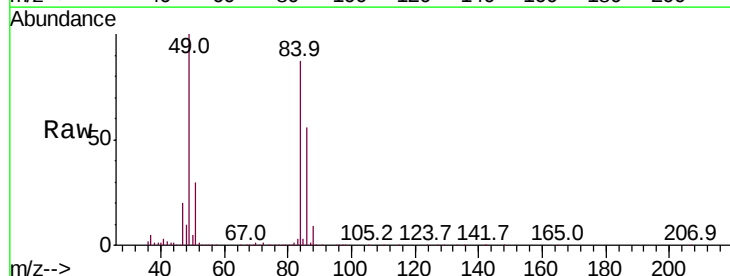
MMDadoda
 5/20/2019 12:15:15 PM

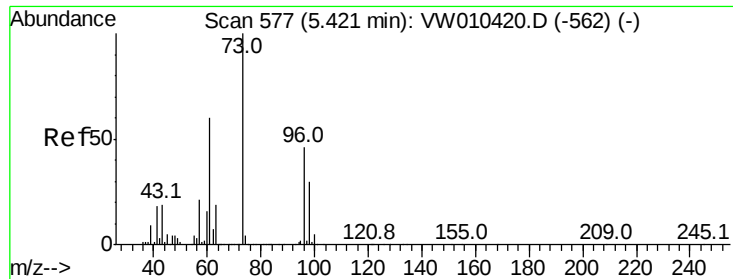


#20

Methylene Chloride
 Concen: 52.904 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Tgt Ion: 84 Resp: 380935
 Ion Ratio Lower Upper
 84 100
 49 114.9 90.6 135.8
 51 33.9 26.6 40.0
 86 64.7 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 49.003 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

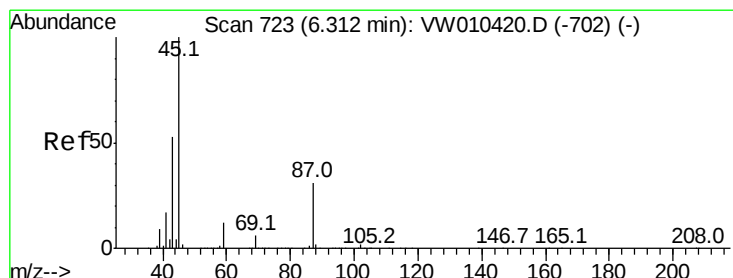
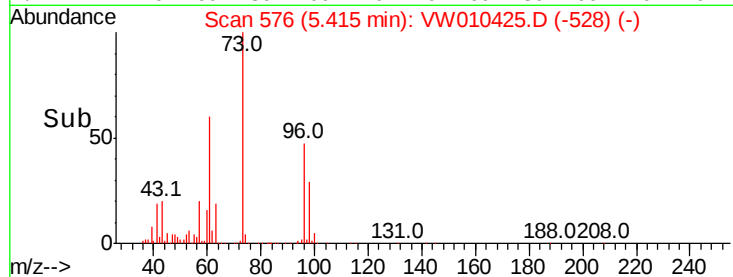
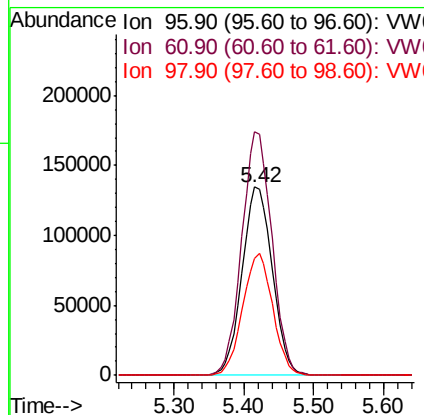
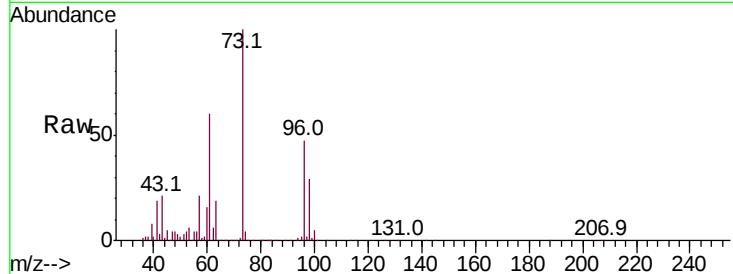
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	406613
Ion Ratio	Lower	Upper	
96	100		
61	129.4	103.9	155.9
98	62.2	51.5	77.3

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#22

Diisopropyl ether

Concen: 51.037 ug/l

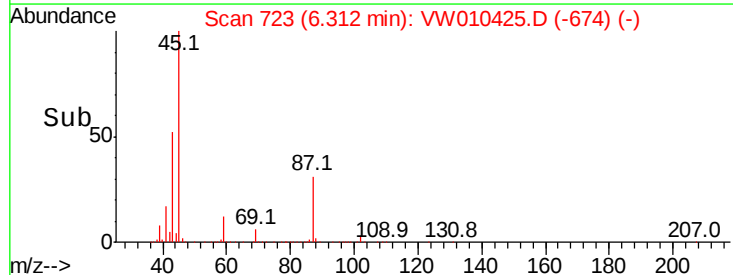
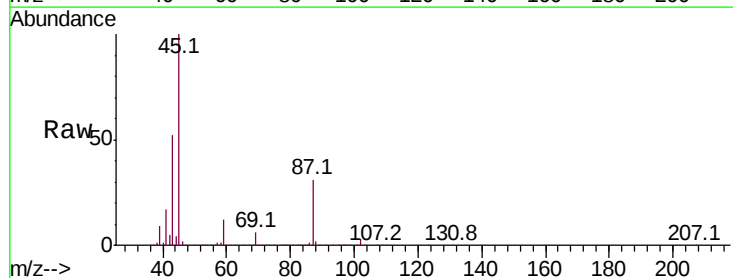
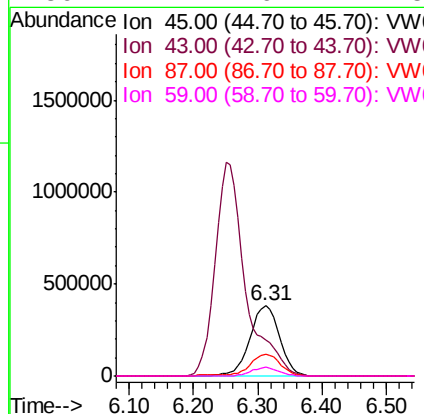
RT: 6.31 min Scan# 723

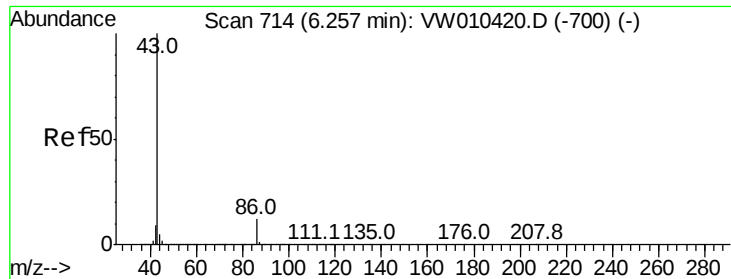
Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion:	45	Resp:	1202111
Ion Ratio	Lower	Upper	
45	100		
43	51.6	42.0	63.0
87	31.0	25.0	37.6
59	12.2	9.7	14.5





#23

Vinyl Acetate

Concen: 260.636 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tot Ion: 43 Resp: 3829566

Ion Ratio Lower Upper

43 100

86 12.3 9.7 14.5

Instrument :

MSVOA_W

ClientSampleId :

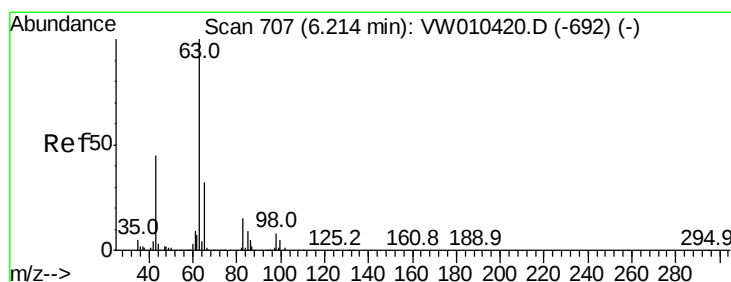
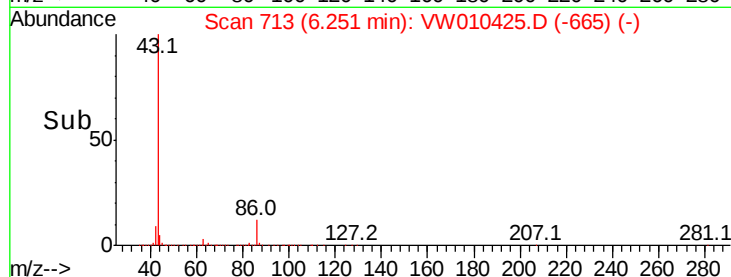
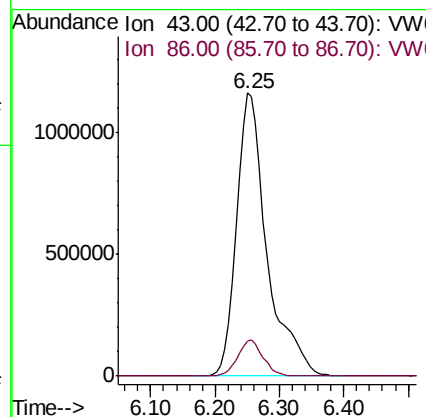
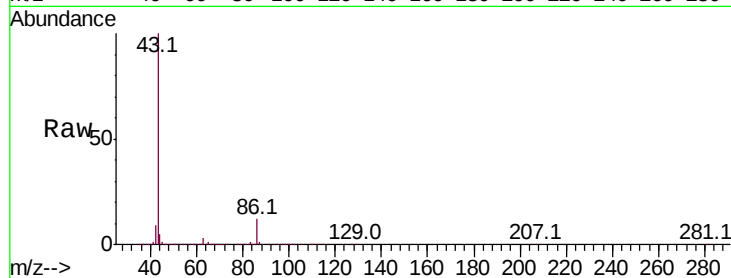
VSTDCCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.112 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

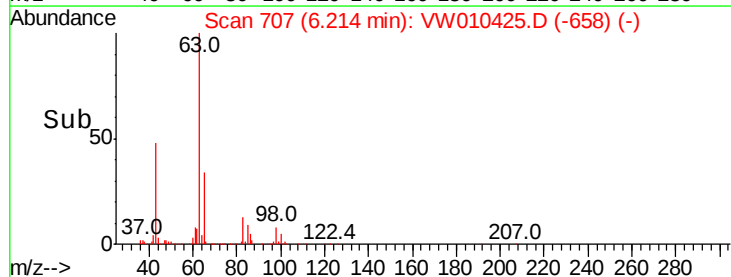
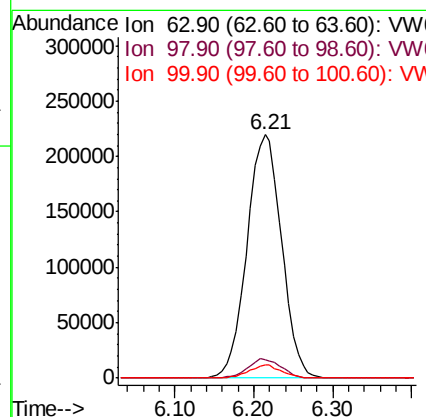
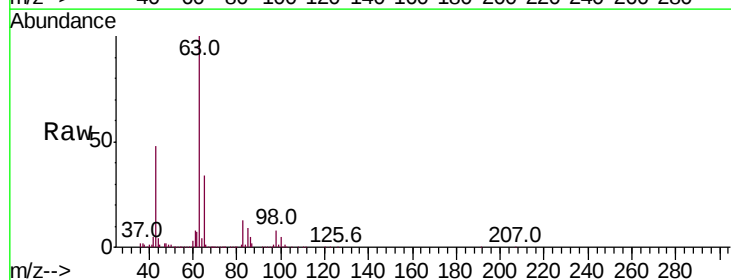
Tgt Ion: 63 Resp: 669706

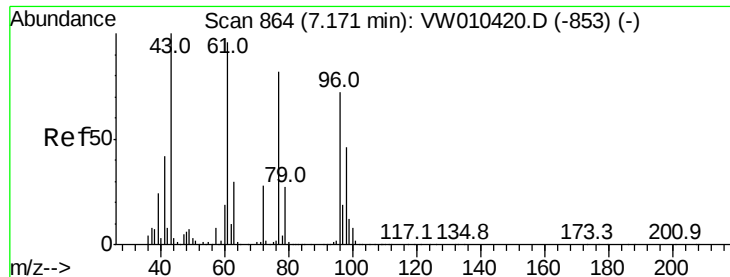
Ion Ratio Lower Upper

63 100

98 7.7 4.0 12.0

100 5.5 2.4 7.2





#25

2-Butanone

Concen: 279.666 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 657032

Ion Ratio Lower Upper

43 100

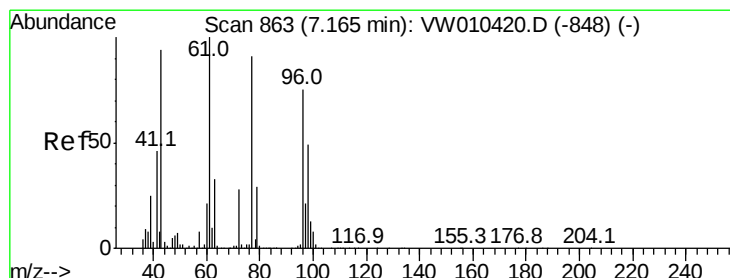
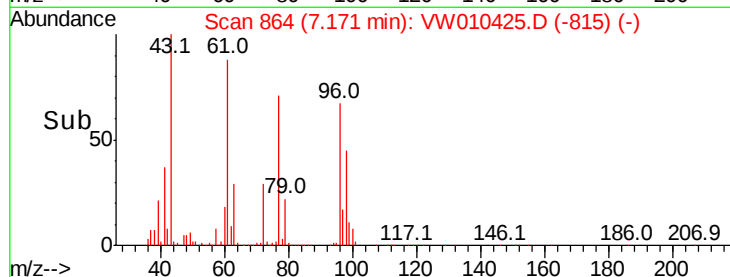
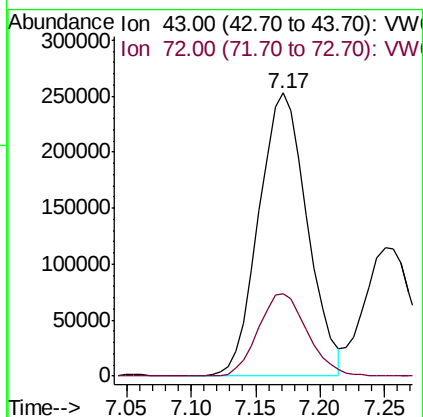
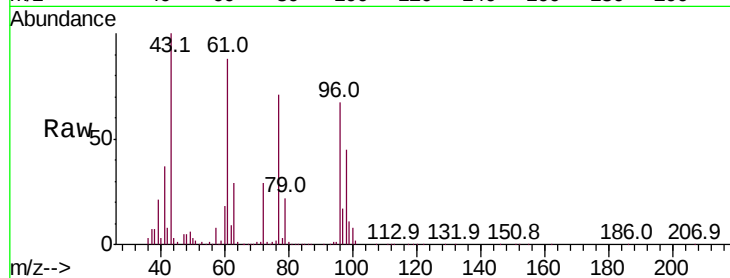
72 29.4 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.514 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010425.D

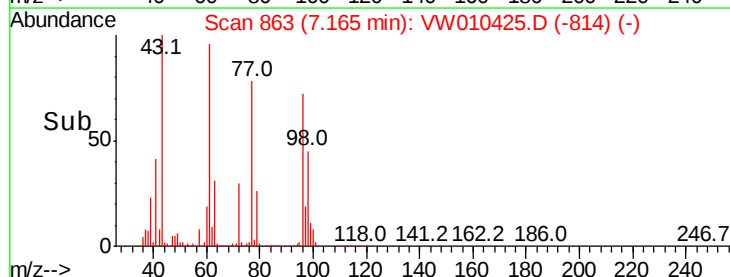
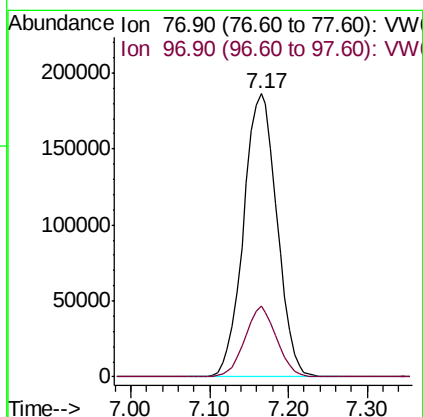
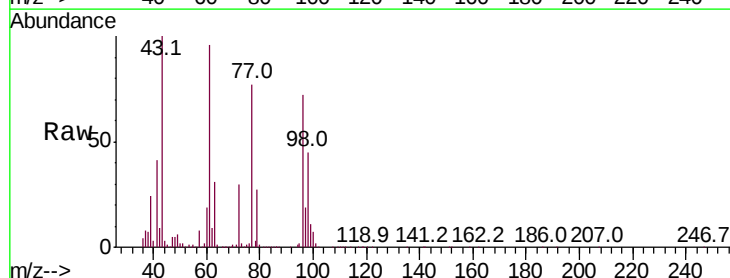
Acq: 17 May 2019 21:53

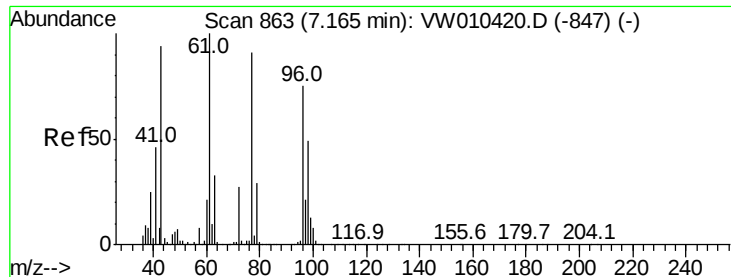
Tgt Ion: 77 Resp: 547768

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1





#27

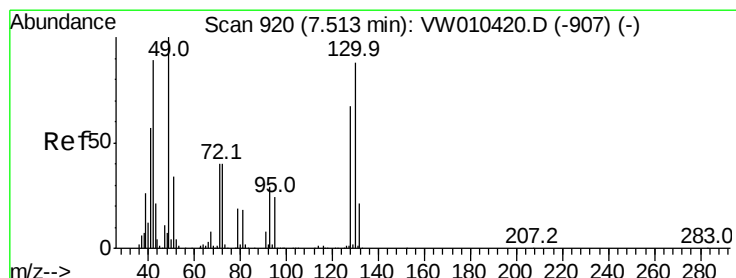
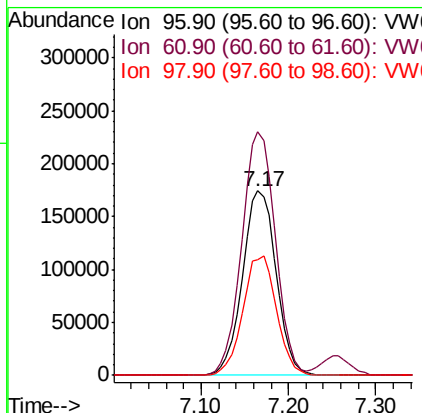
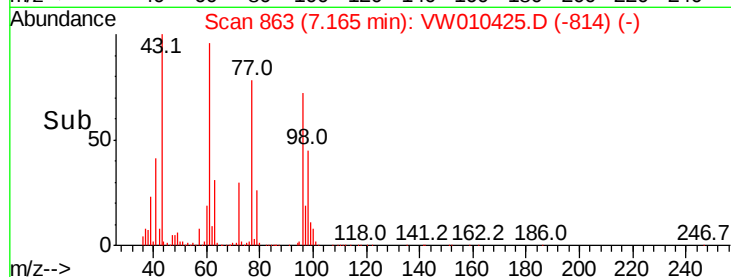
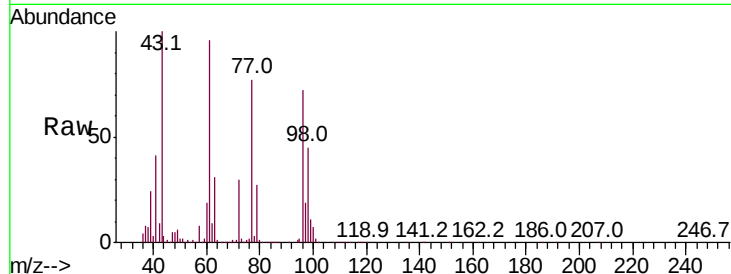
cis-1,2-Dichloroethene
Concen: 50.126 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.0	0.0	266.4	
98	64.8	0.0	129.6	

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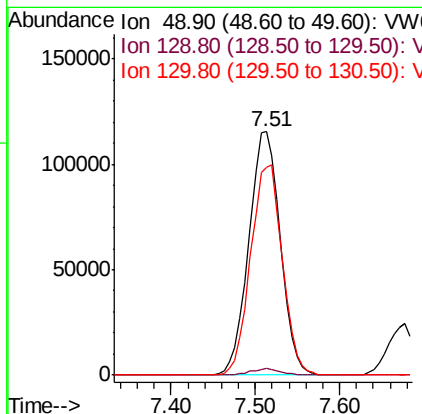
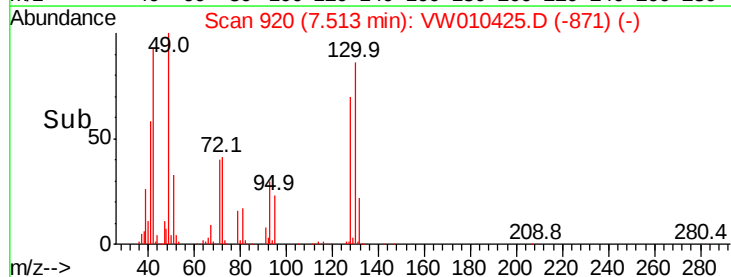
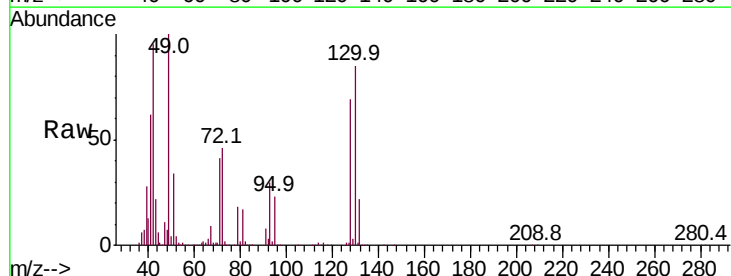
MMDadoda
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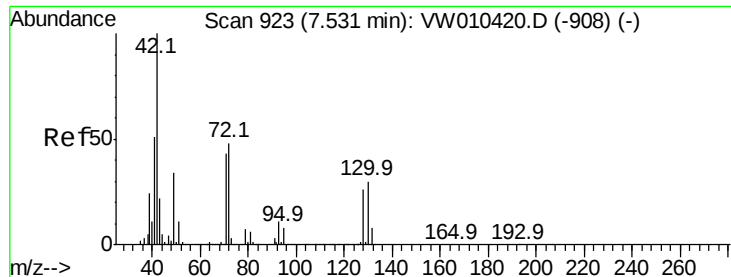


#28

Bromochloromethane
Concen: 57.348 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.6	
130	86.8	68.2	102.4	





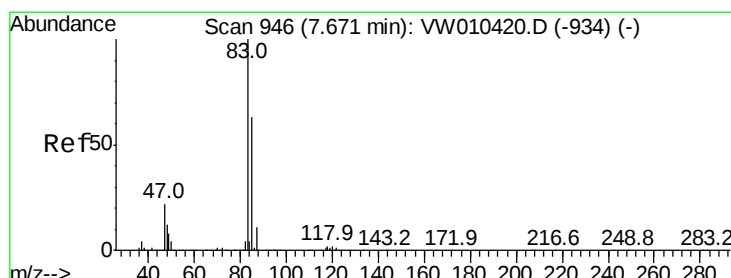
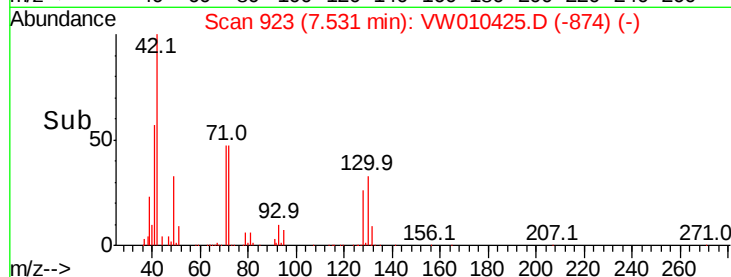
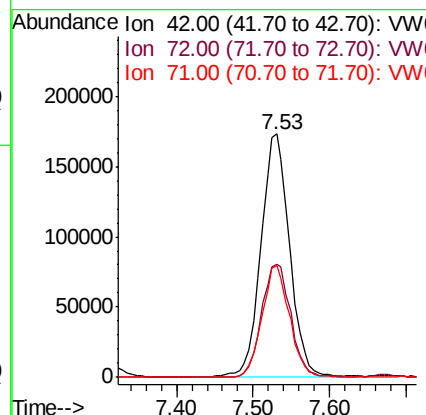
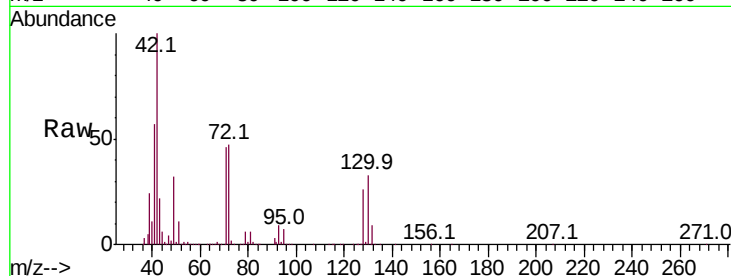
#29
Tetrahydrofuran
Concen: 283.369 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	38.2	57.2
71	44.3	36.0	54.0

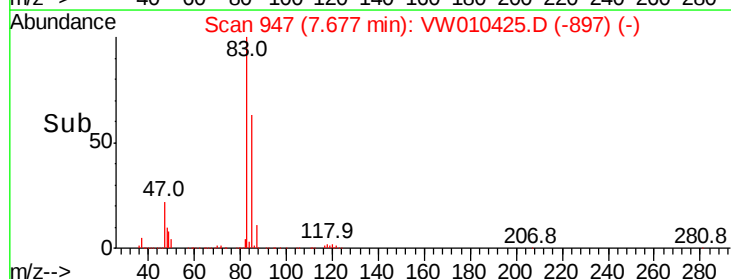
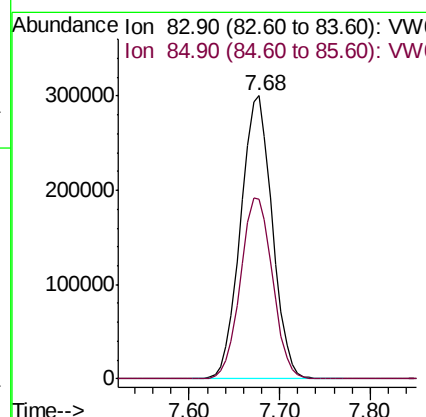
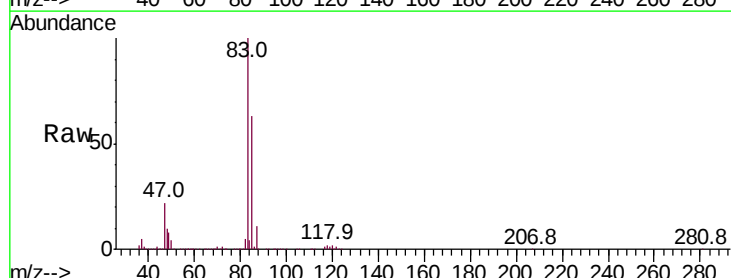
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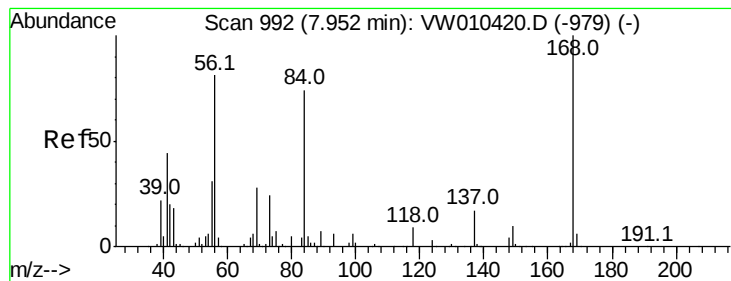
MMDadoda
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#30
Chloroform
Concen: 50.542 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.8	76.2





#31

Cyclohexane

Concen: 49.796 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

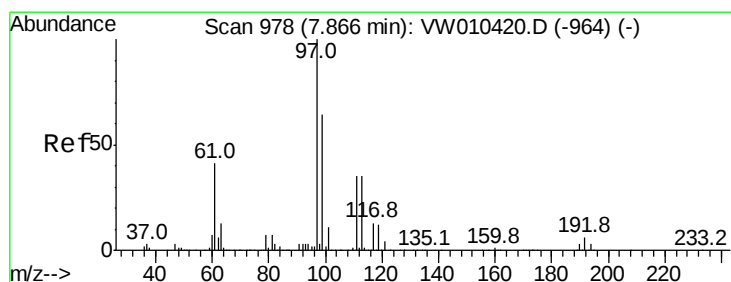
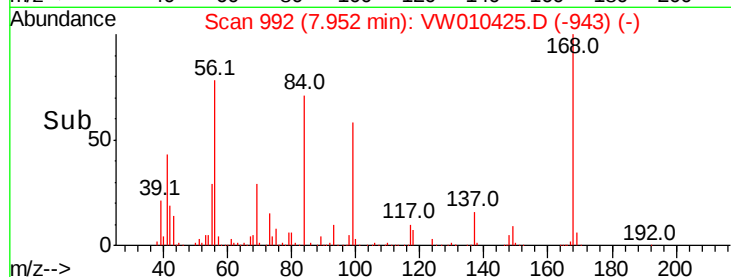
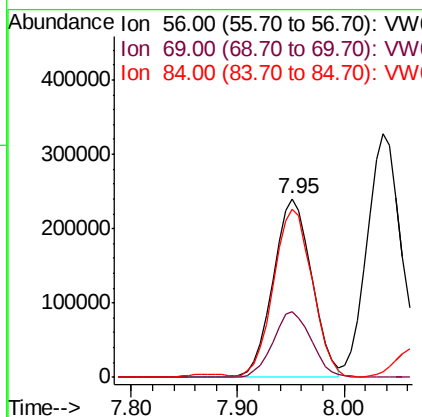
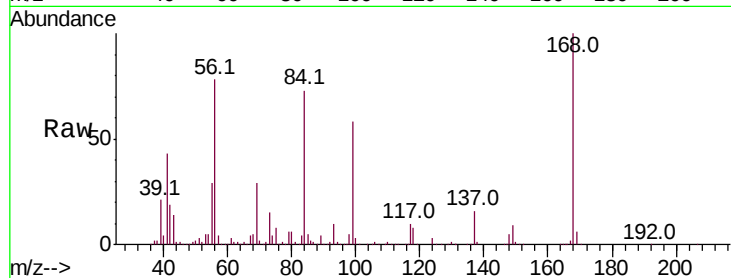
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	599461
Ion Ratio	Lower	Upper	
56	100		
69	37.0	27.6	41.4
84	93.3	72.9	109.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.942 ug/l

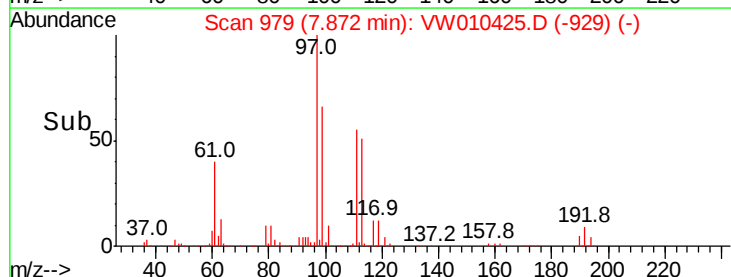
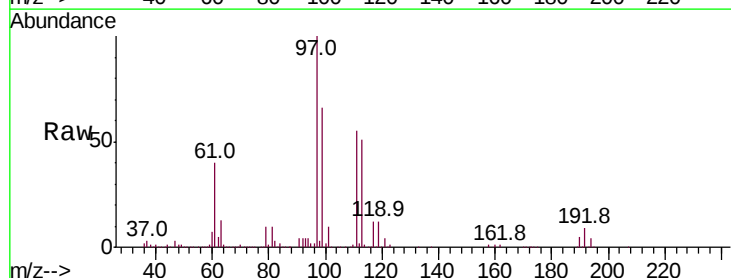
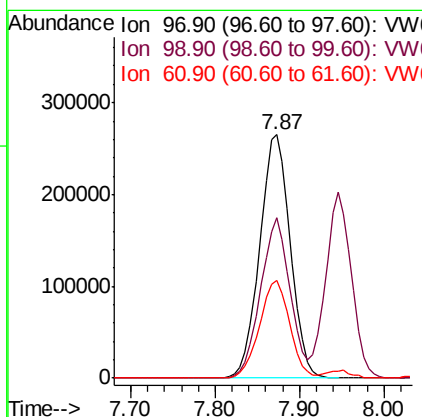
RT: 7.87 min Scan# 979

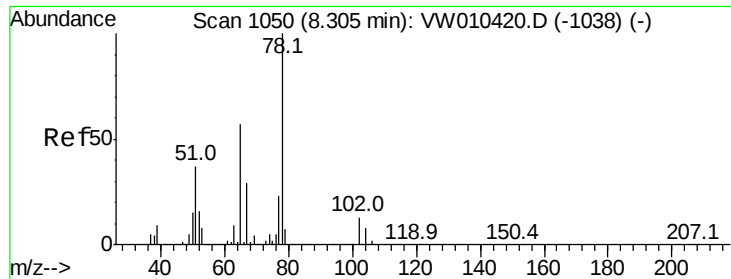
Delta R.T. 0.01 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion:	97	Resp:	661887
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.4	77.2
61	39.7	32.0	48.0





#33

1,2-Dichloroethane-d4

Concen: 55.782 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 436442

Ion Ratio Lower Upper

65 100

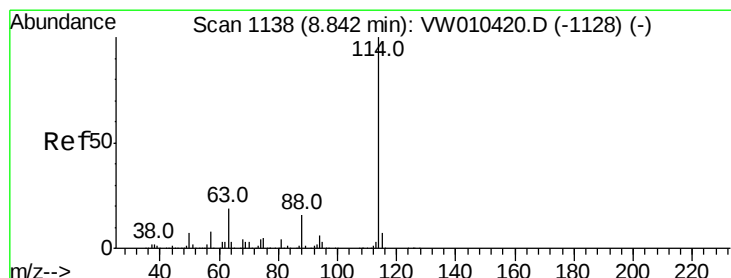
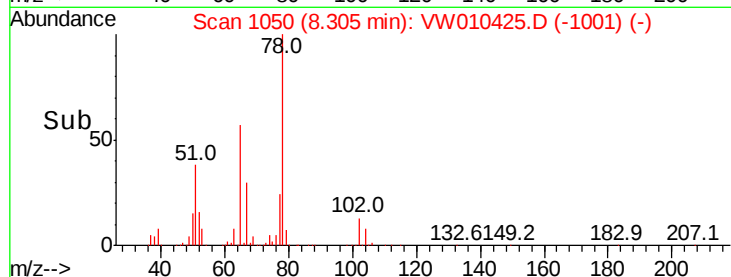
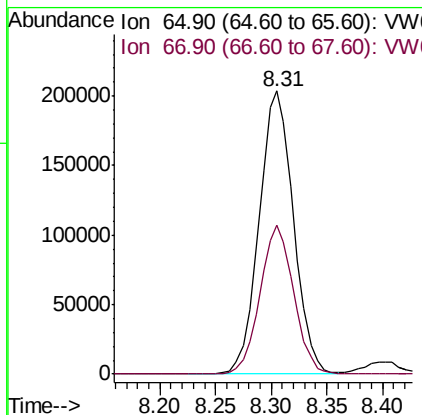
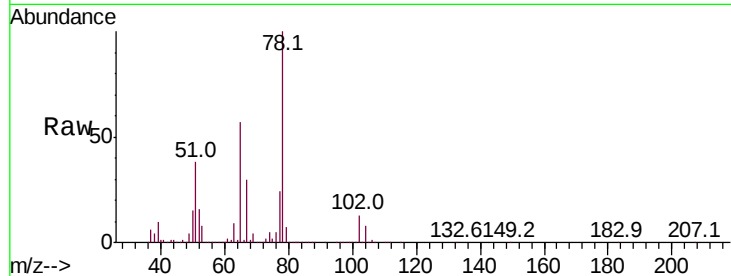
67 51.4 0.0 104.2

Manual Integrations

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5/20/2019 12:15:15 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

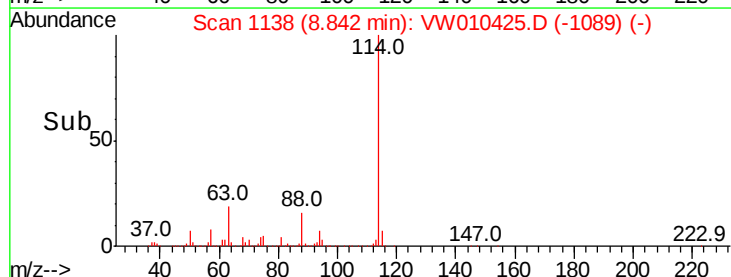
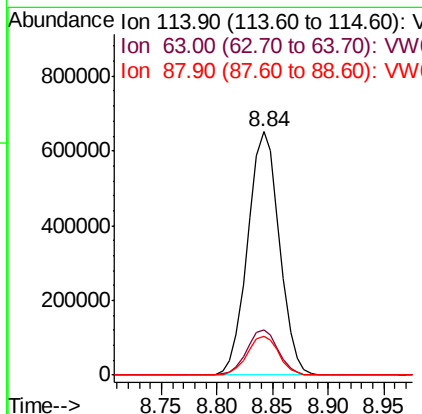
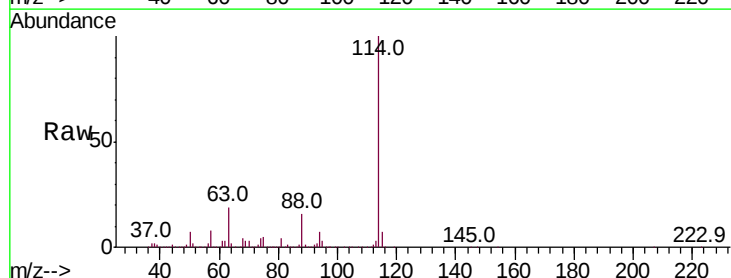
Tgt Ion: 114 Resp: 1292249

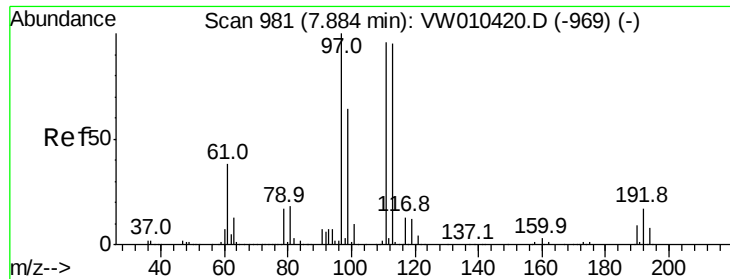
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.8

88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.773 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

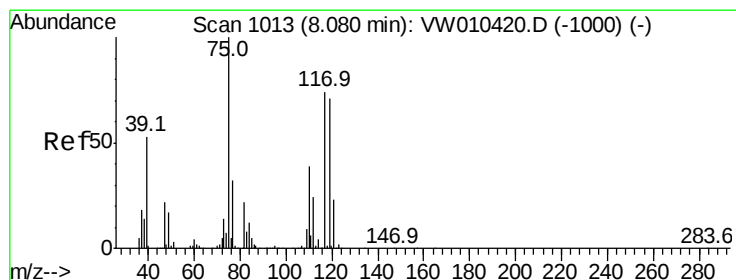
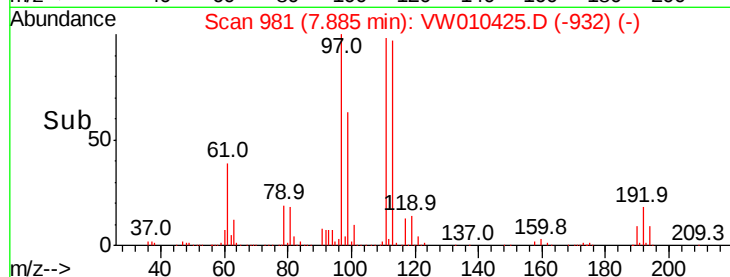
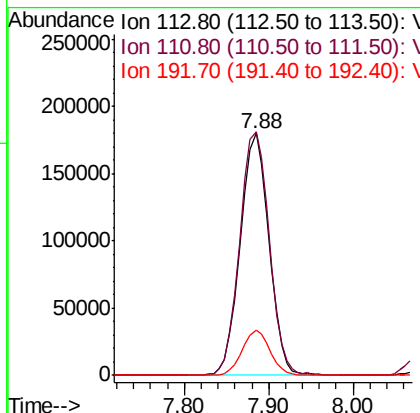
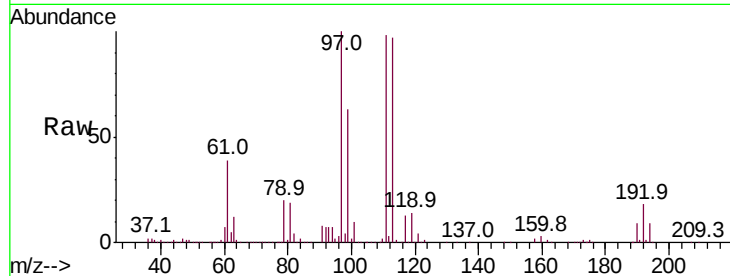
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	413215
Ion Ratio	Lower	Upper	
113	100		
111	104.0	82.5	123.7
192	18.2	14.2	21.4

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#36

1,1-Dichloropropene

Concen: 47.068 ug/l

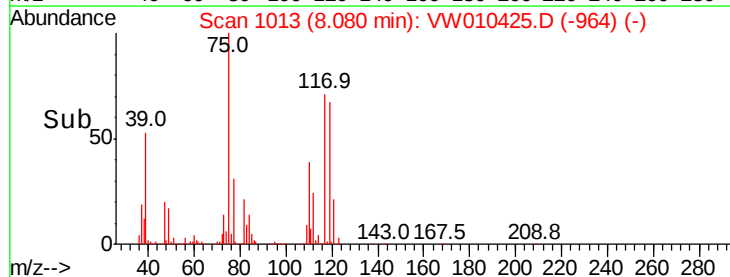
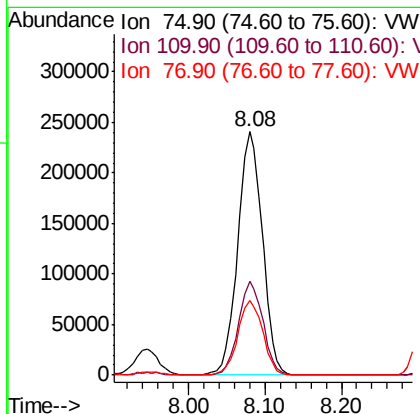
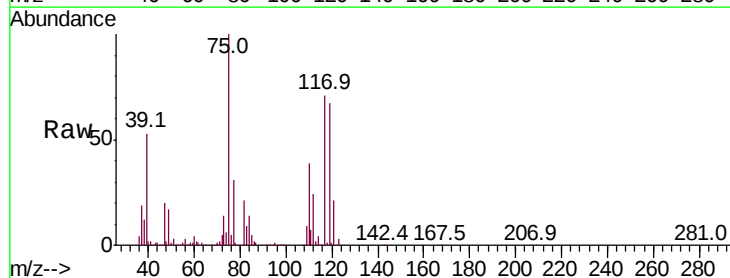
RT: 8.08 min Scan# 1013

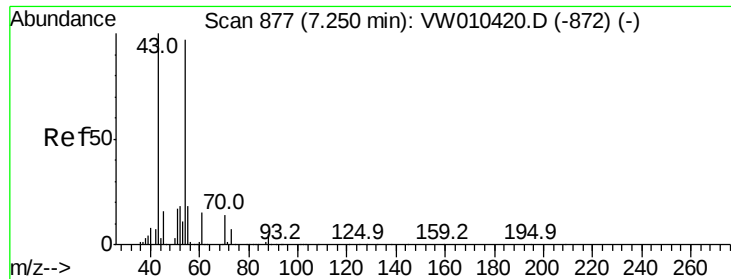
Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion:	75	Resp:	538472
Ion Ratio	Lower	Upper	
75	100		
110	38.0	19.4	58.1
77	30.9	24.7	37.1





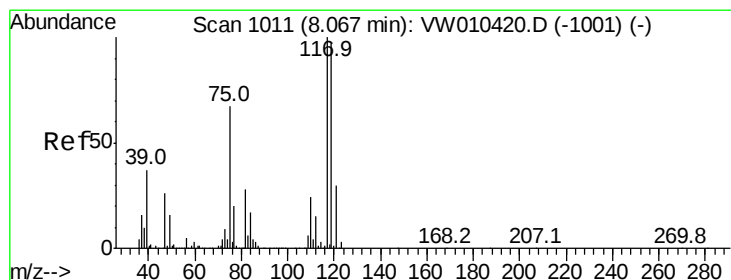
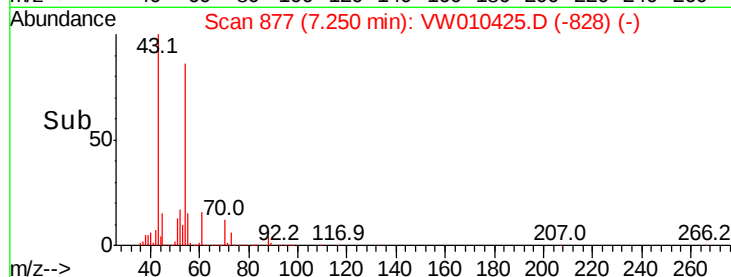
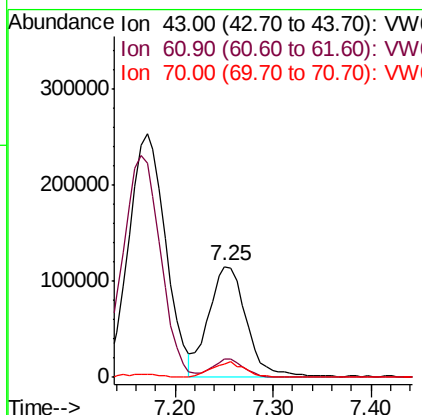
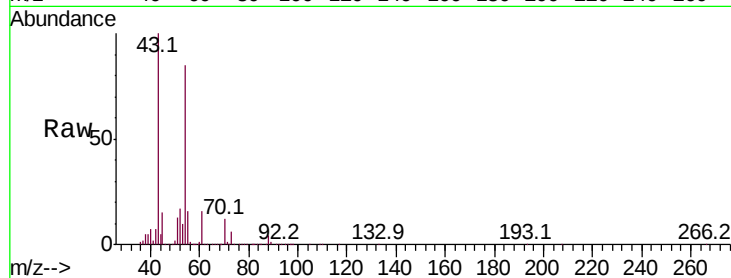
#37
Ethyl Acetate
Concen: 55.281 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.8	17.6
70	12.3	9.4	14.0

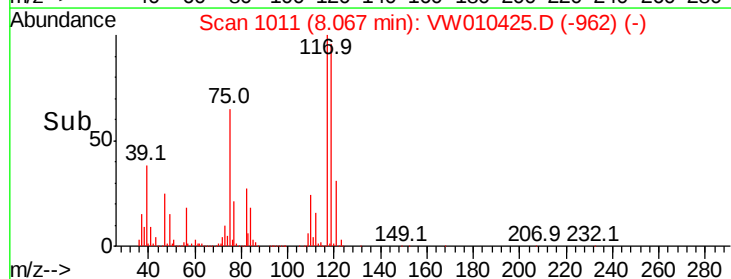
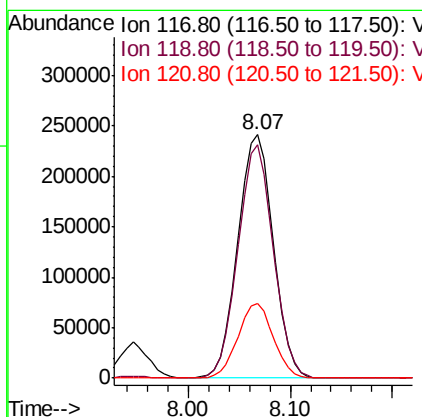
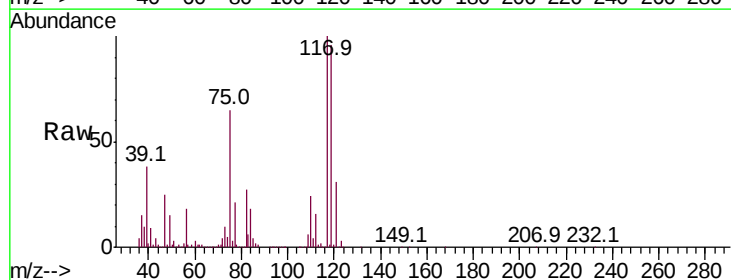
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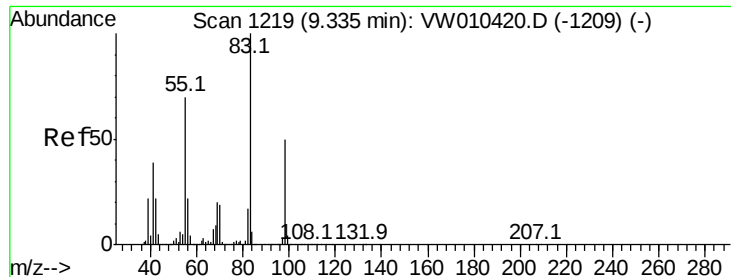
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.299 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.8	116.6
121	30.7	24.2	36.2





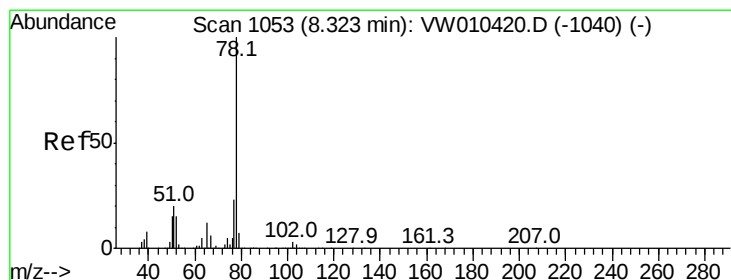
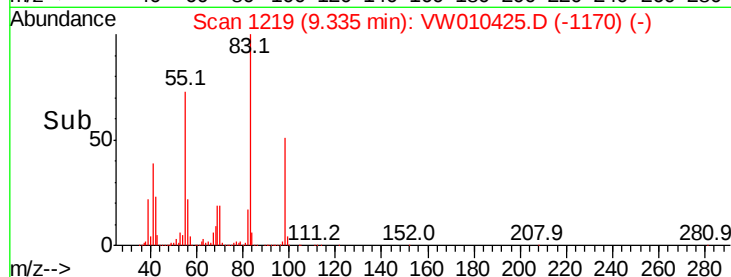
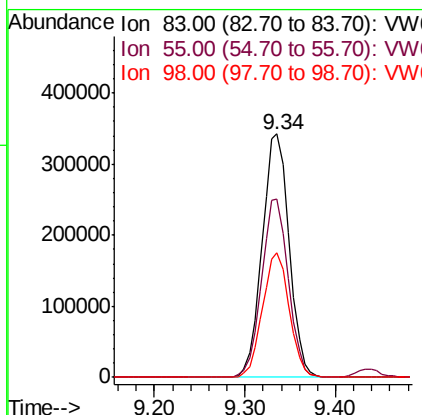
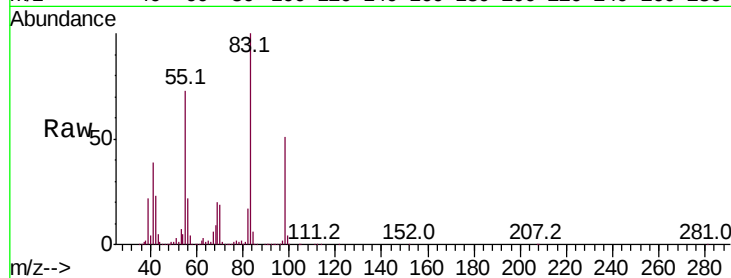
#39
Methvlcvclohexane
Concen: 46.058 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	55.7	83.5
98	51.3	40.2	60.4

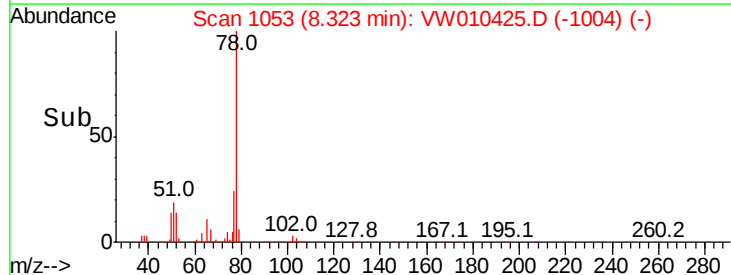
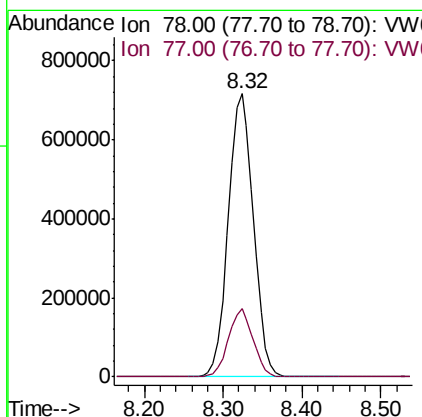
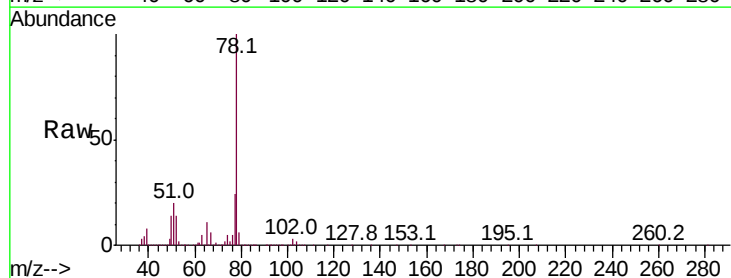
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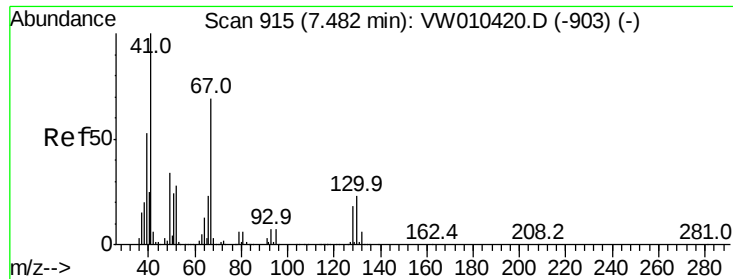
MMDadoda
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#40
Benzene
Concen: 48.577 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





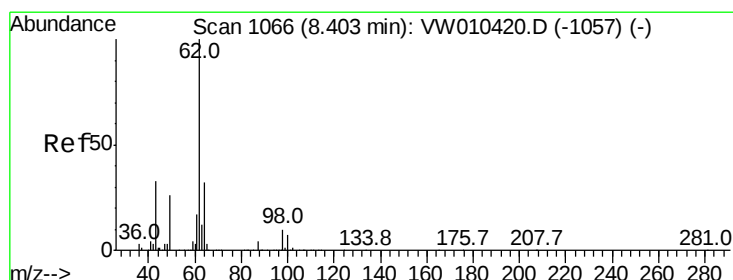
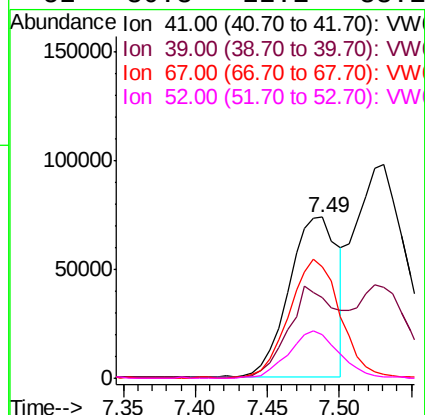
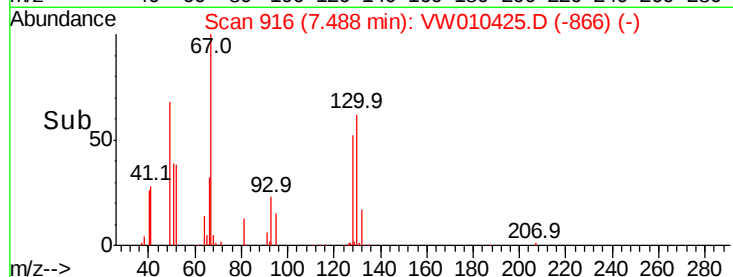
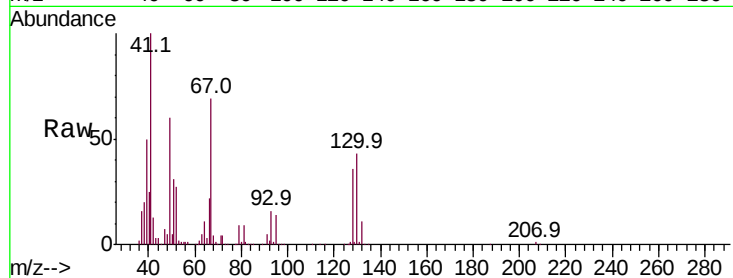
#41
Methacrylonitrile
Concen: 52.703 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.2	38.1	57.1
67	77.7	55.5	83.3
52	30.3	22.1	33.1

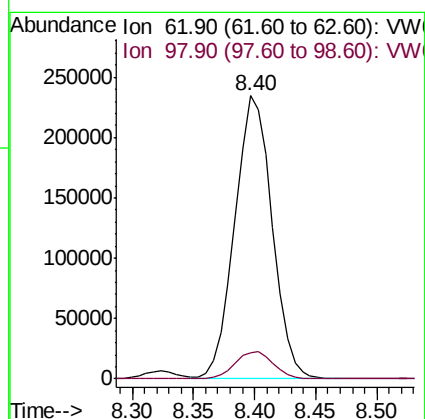
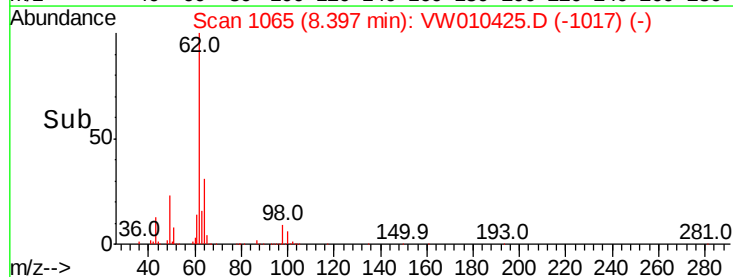
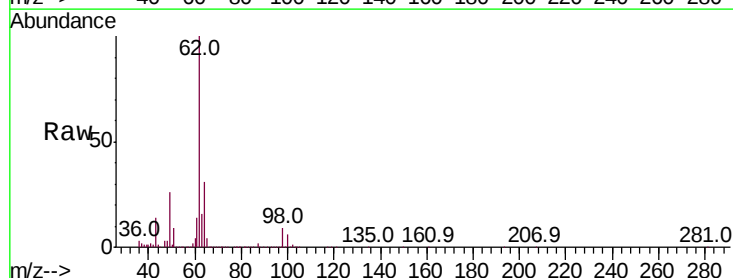
Manual Integrations
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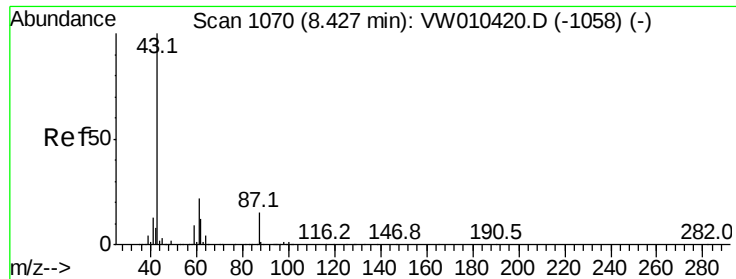
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.111 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 53.709 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

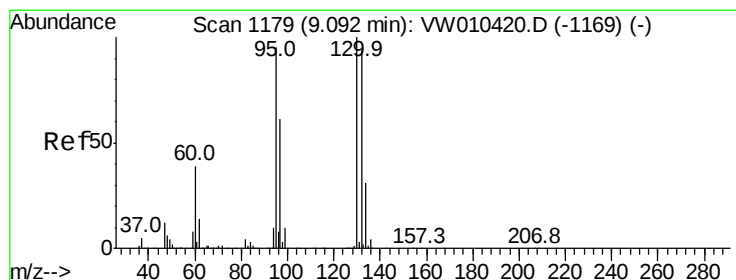
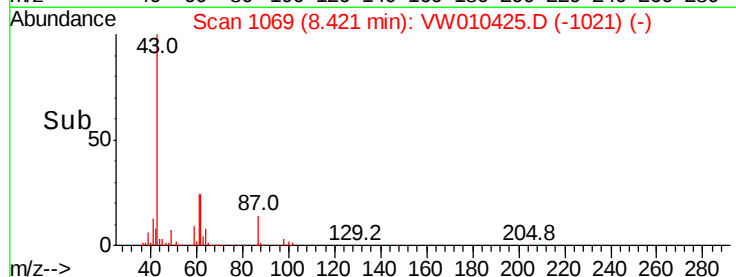
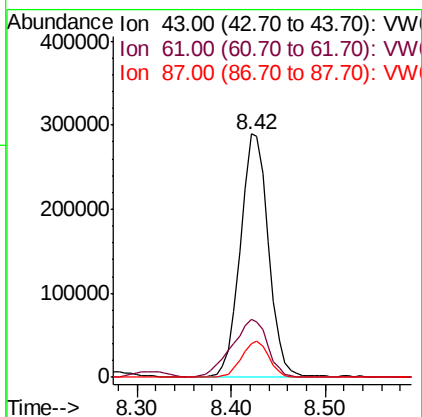
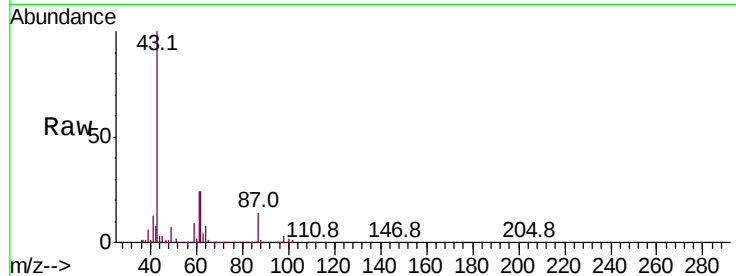
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	600361
Ion	Ratio	Lower	Upper
43	100		
61	30.5	24.4	36.6
87	14.7	11.8	17.8

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#44

Trichloroethene

Concen: 48.820 ug/l

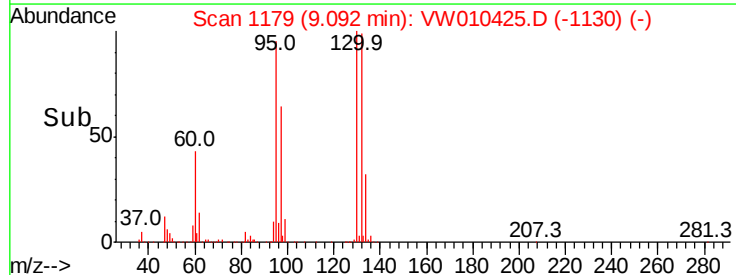
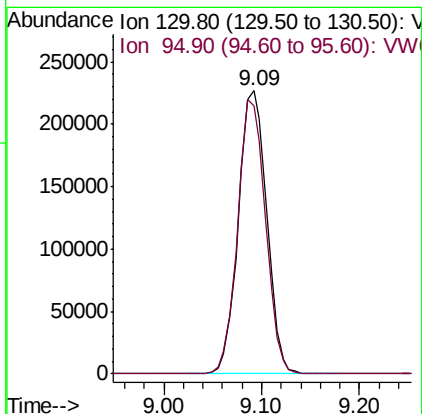
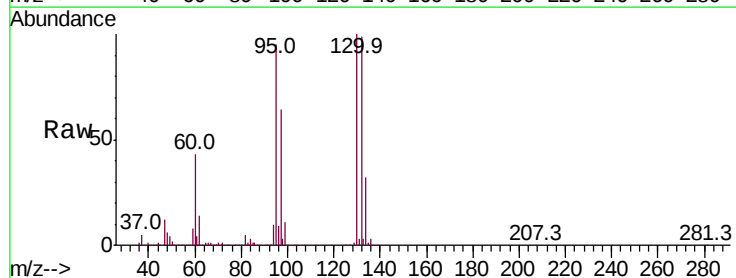
RT: 9.09 min Scan# 1179

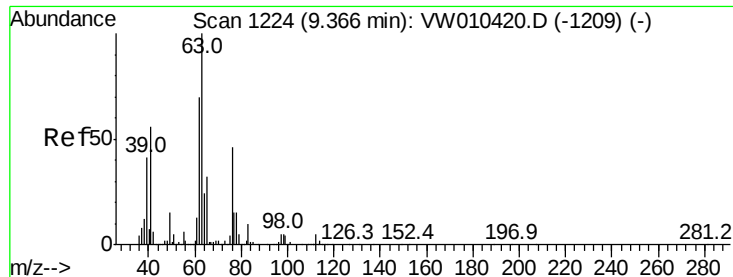
Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion:	130	Resp:	456676
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	190.4





#45

1,2-Dichloropropane

Concen: 50.115 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 400542

Ion Ratio Lower Upper

63 100

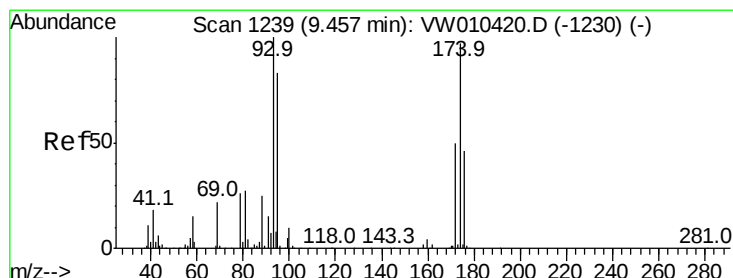
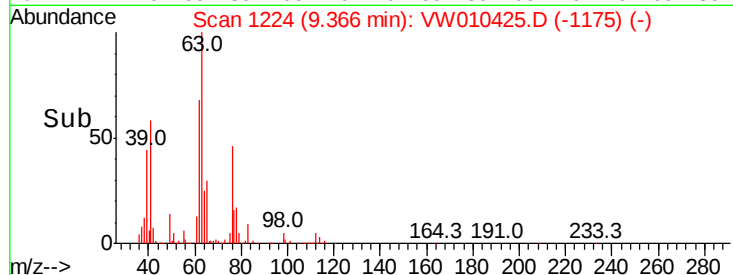
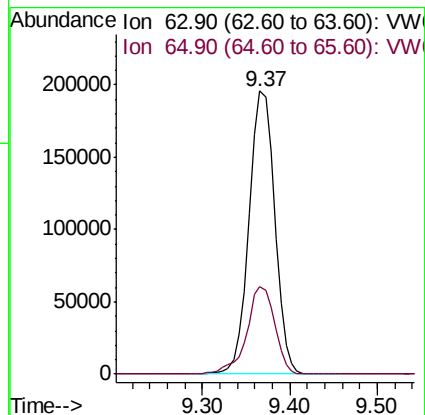
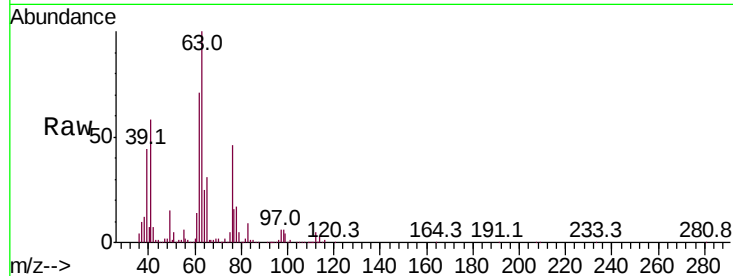
65 31.0 25.4 38.2

Manual Integrations

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5/20/2019 12:15:15 PM



#46

Dibromomethane

Concen: 51.530 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

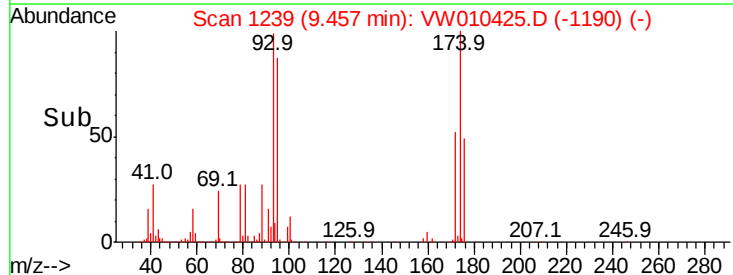
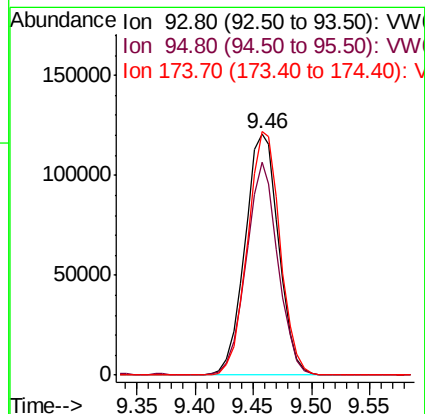
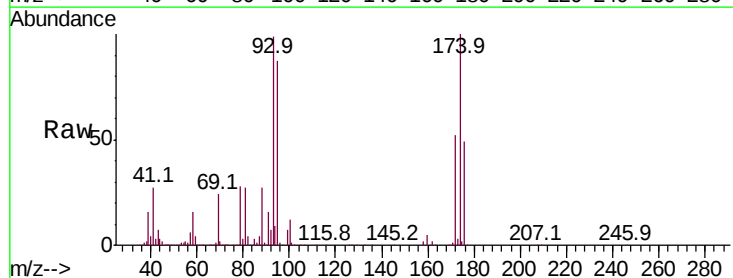
Tgt Ion: 93 Resp: 243289

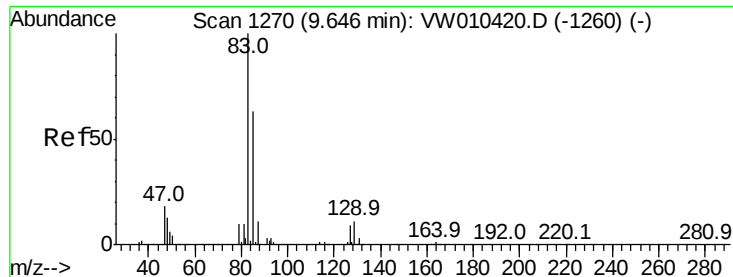
Ion Ratio Lower Upper

93 100

95 82.5 66.6 100.0

174 97.6 76.4 114.6





#47

Bromodichloromethane

Concen: 50.632 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

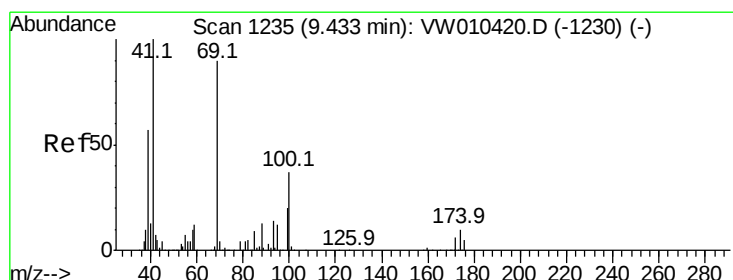
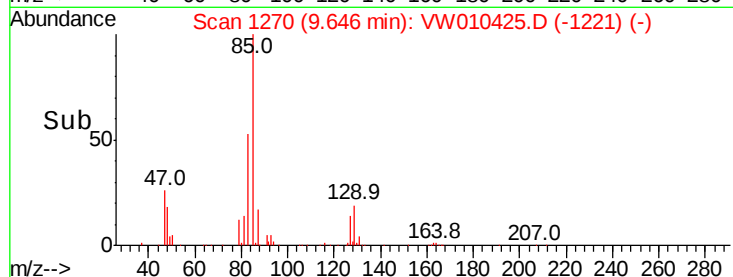
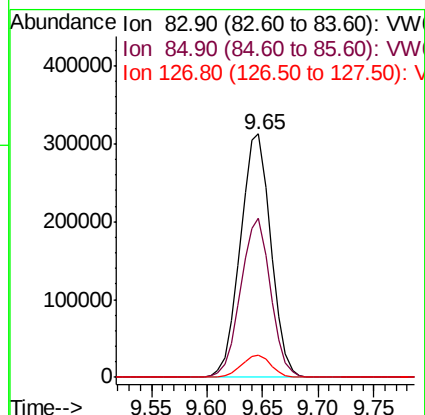
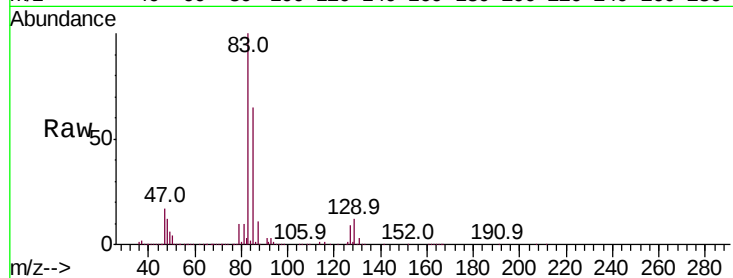
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	594030
Ion Ratio	Lower	Upper	
83	100		
85	65.3	50.0	75.0
127	9.2	7.3	10.9

Manual Integrations
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5/20/2019 12:15:15 PM



#48

Methyl methacrylate

Concen: 52.648 ug/l

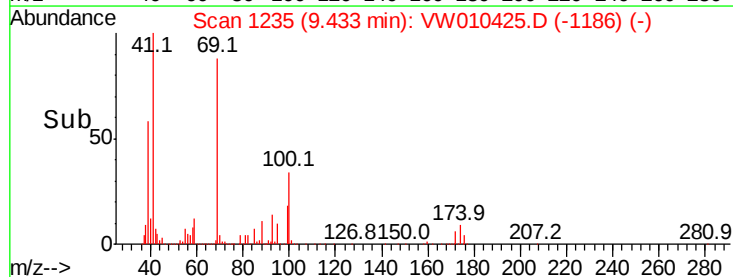
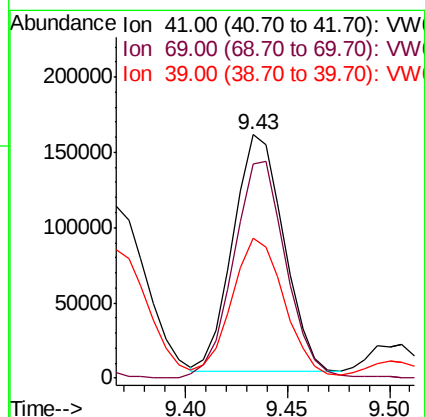
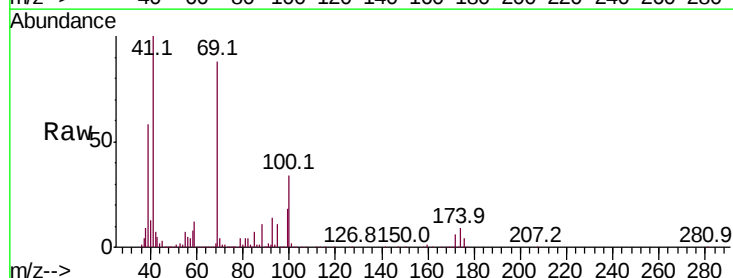
RT: 9.43 min Scan# 1235

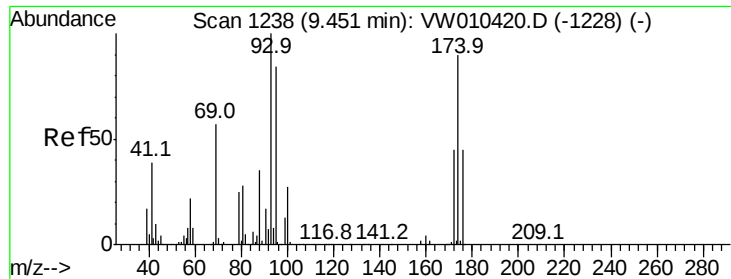
Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion:	41	Resp:	271177
Ion Ratio	Lower	Upper	
41	100		
69	95.4	75.2	112.8
39	58.9	46.8	70.2





#49

1,4-Dioxane

Concen: 1113.167 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 77781

Ion Ratio Lower Upper

88 100

43 29.2 24.9 37.3

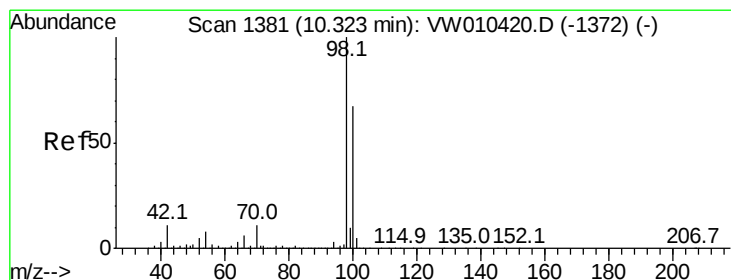
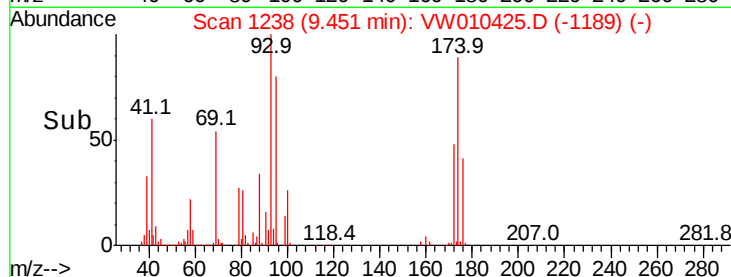
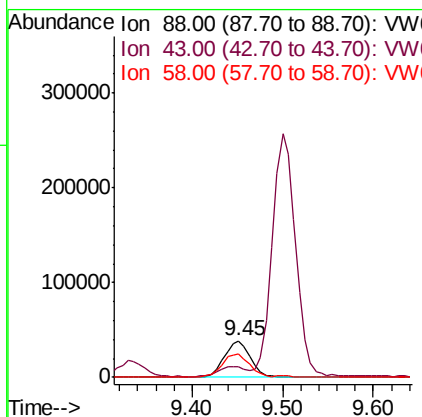
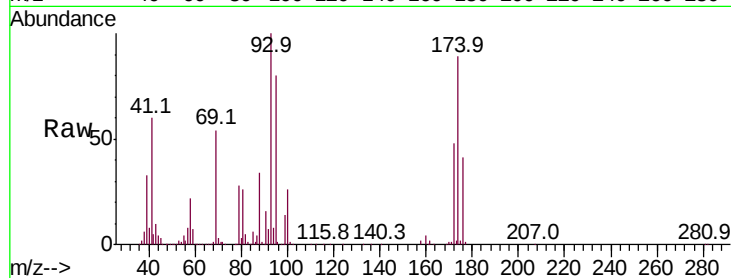
58 66.4 55.0 82.6

Manual Integrations

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5/20/2019 12:15:15 PM



#50

Toluene-d8

Concen: 52.081 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010425.D

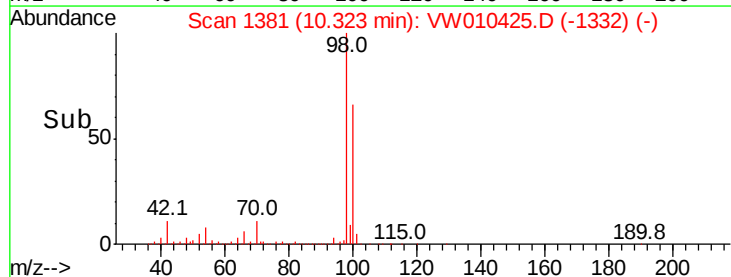
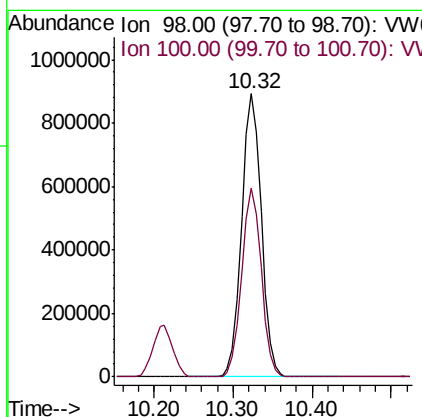
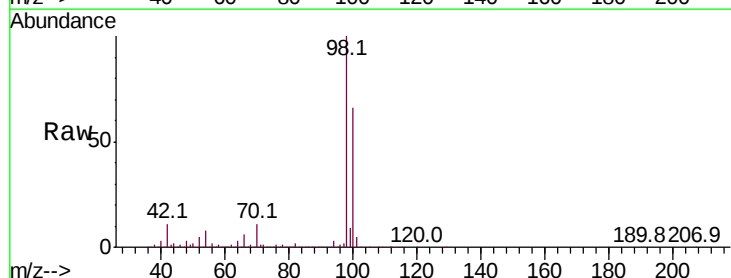
Acq: 17 May 2019 21:53

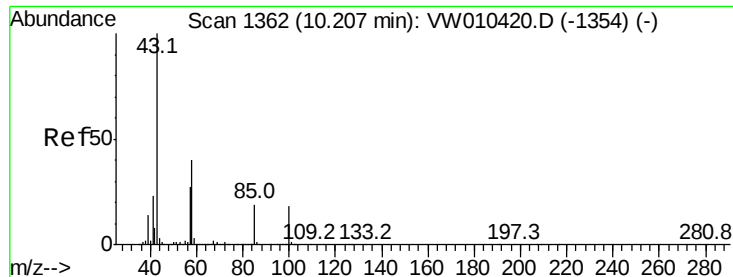
Tgt Ion: 98 Resp: 1550082

Ion Ratio Lower Upper

98 100

100 66.4 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 270.438 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1546304

Ion Ratio Lower Upper

43 100

58 41.1

32.7

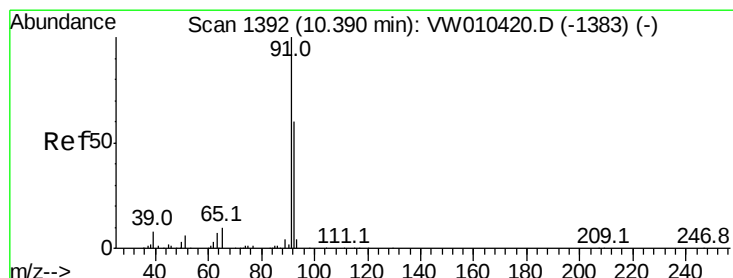
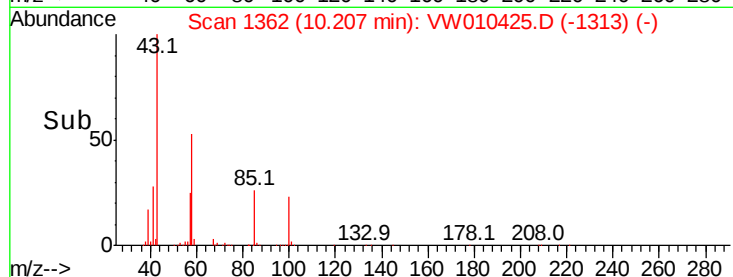
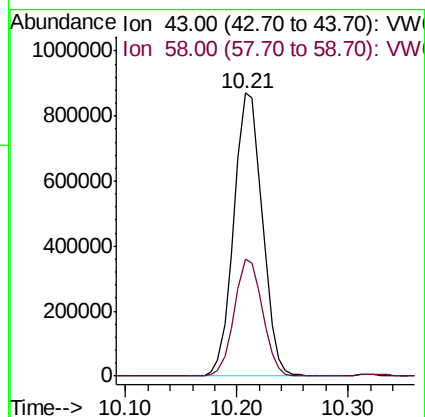
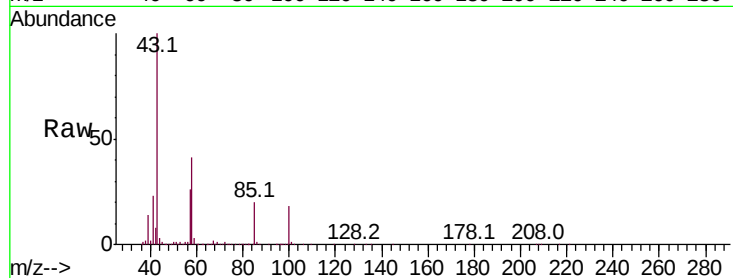
49.1

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5/20/2019 12:15:15 PM



#52

Toluene

Concen: 47.905 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion: 92 Resp: 1038801

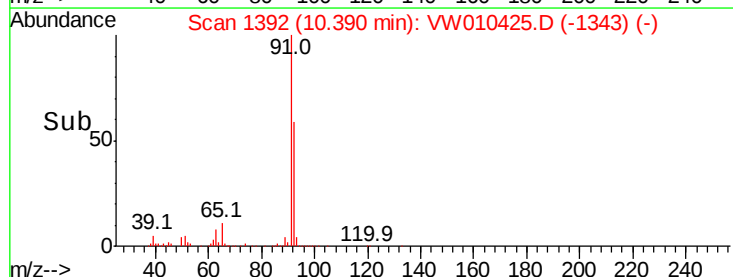
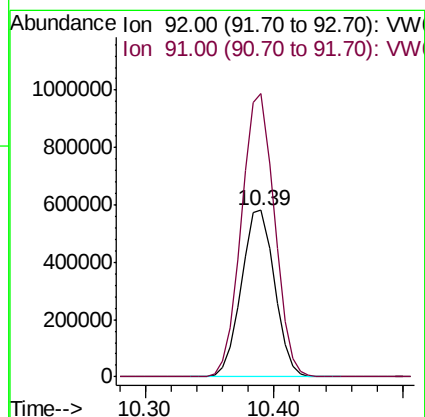
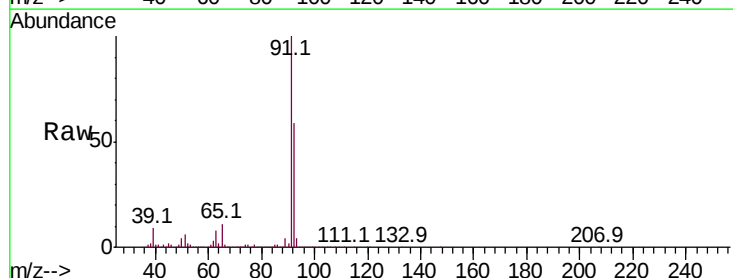
Ion Ratio Lower Upper

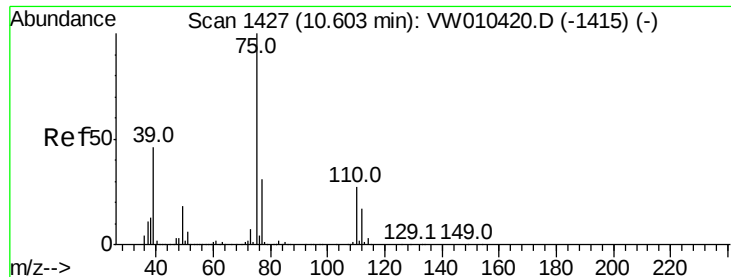
92 100

91 168.7

135.4

203.0





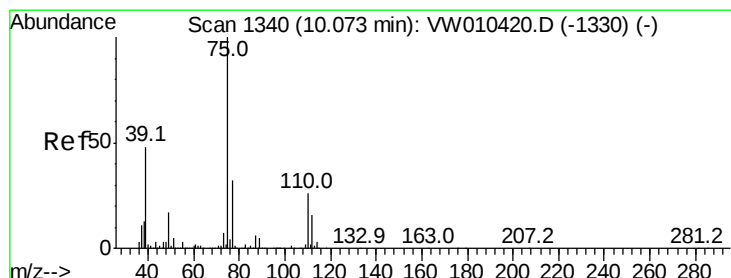
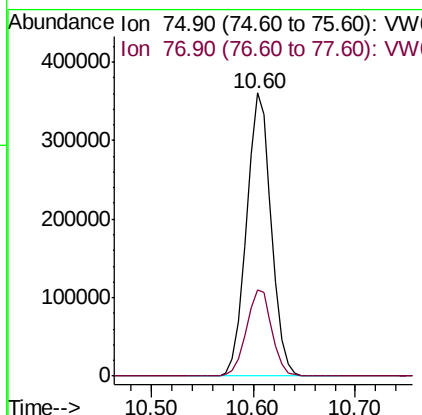
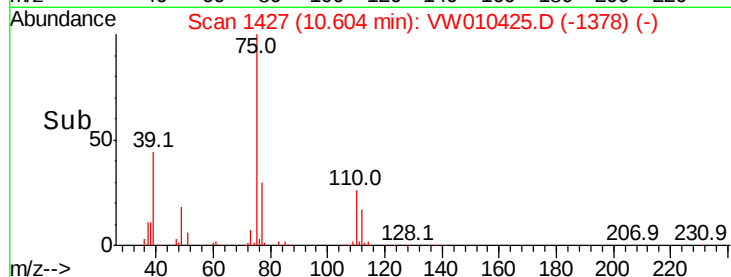
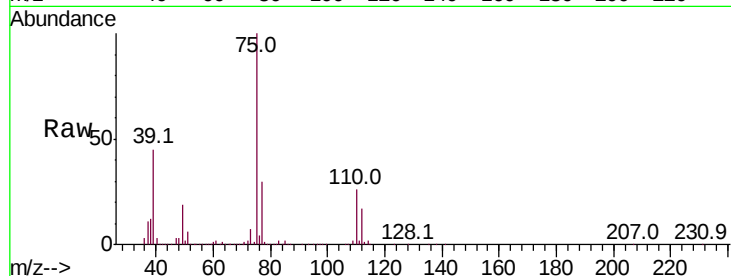
#53
 t-1,3-Dichloropropene
 Concen: 50.178 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 607151
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.6 37.0

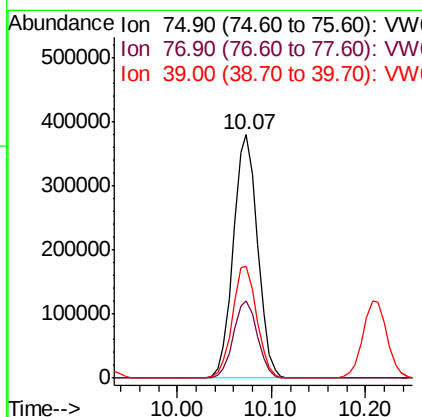
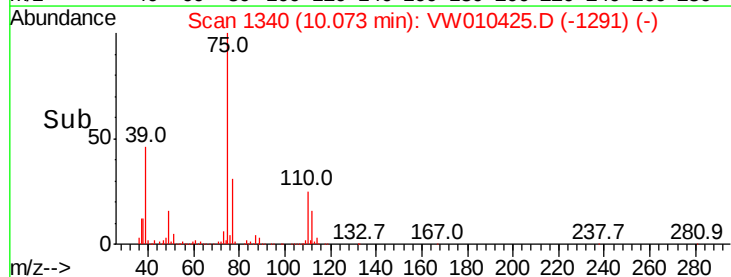
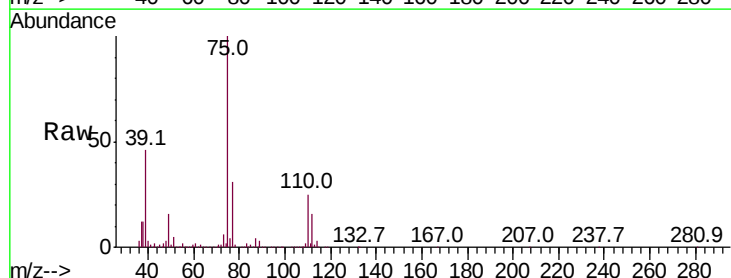
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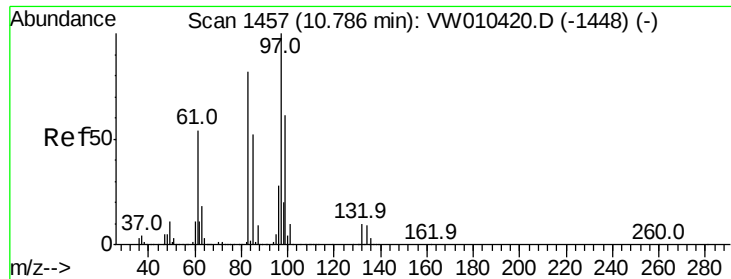
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#54
 cis-1,3-Dichloropropene
 Concen: 49.278 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Tgt Ion: 75 Resp: 675985
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8
 39 45.8 38.1 57.1





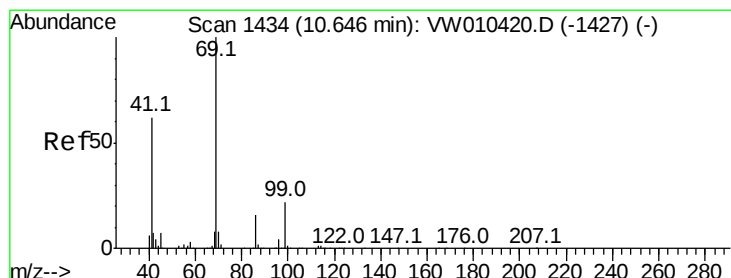
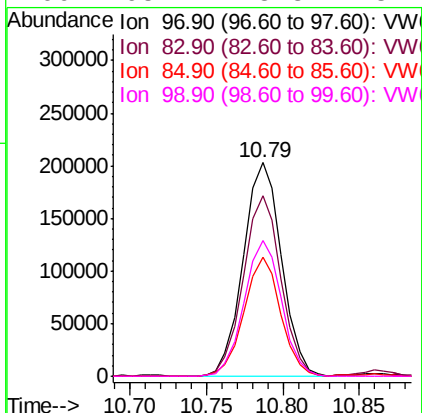
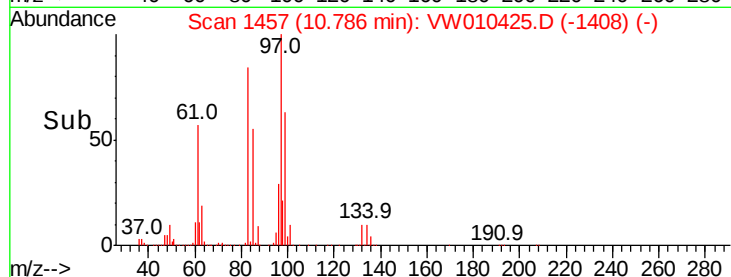
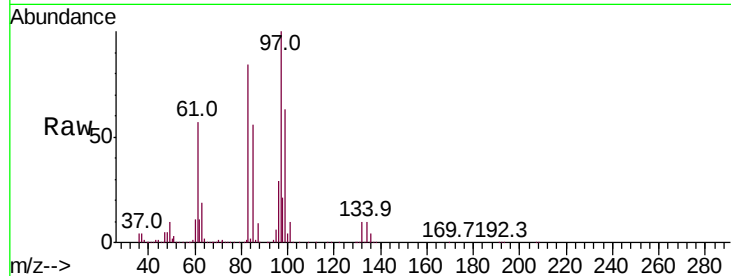
#55
 1,1,2-Trichloroethane
 Concen: 51.936 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		353788		
83	84.3	65.6	98.4		
85	55.5	41.6	62.4		
99	63.2	48.8	73.2		

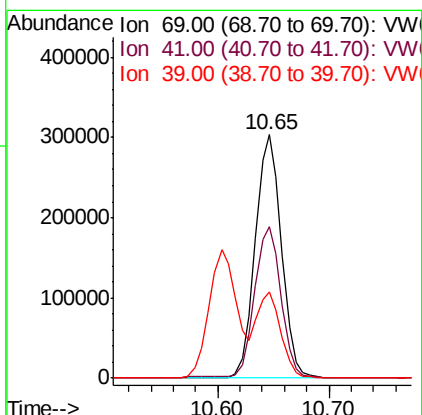
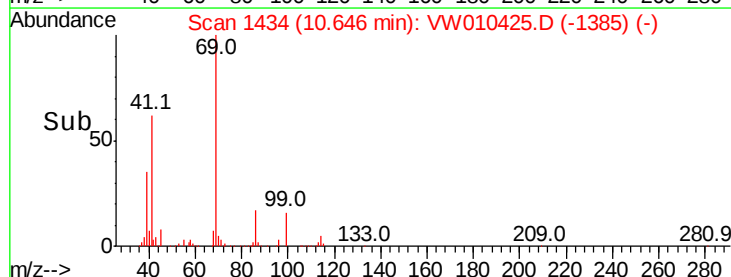
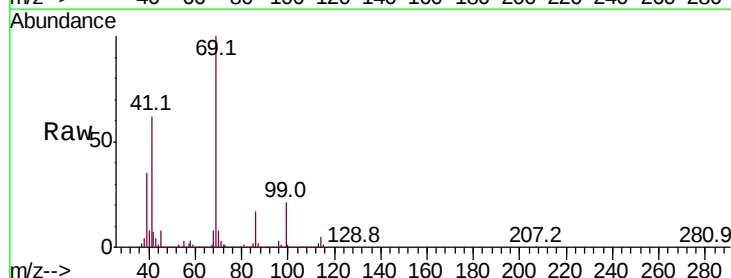
Manual Integrations
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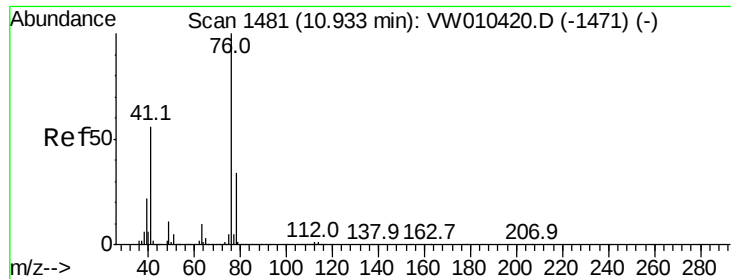
MMDadoda
 5/20/2019 12:15:15 PM



#56
 Ethyl methacrylate
 Concen: 52.207 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		496244		
41	62.0	50.0	75.0		
39	32.5	26.5	39.7		





#57

1,3-Dichloropropane

Concen: 51.753 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 590988

Ion Ratio Lower Upper

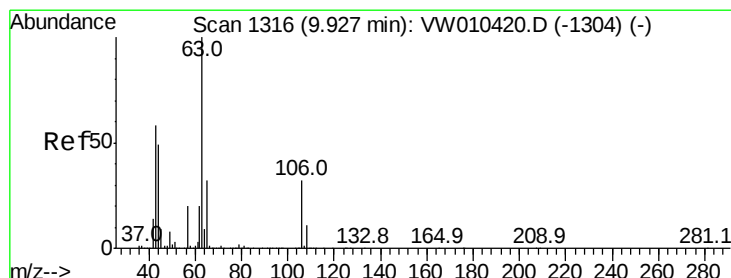
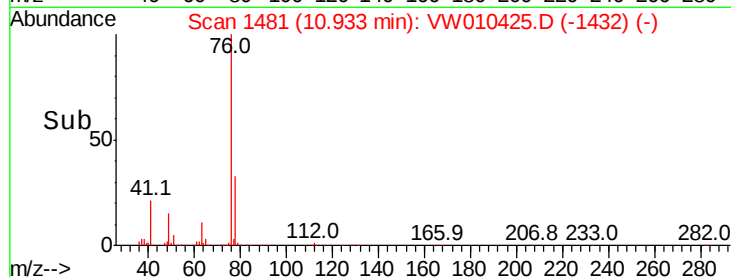
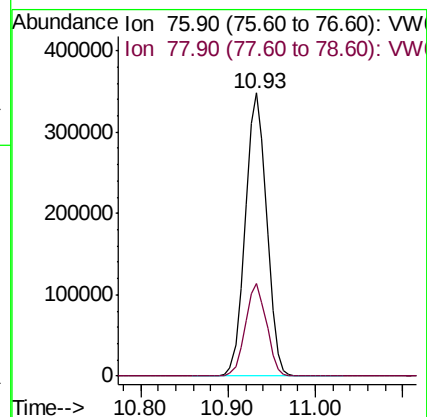
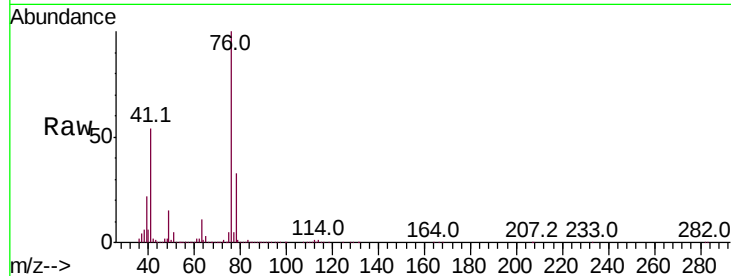
76 100

78 32.4 25.8 38.8

Manual Integrations
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5/20/2019 12:15:15 PM



#58

2-Chloroethyl Vinyl ether

Concen: 267.253 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW010425.D

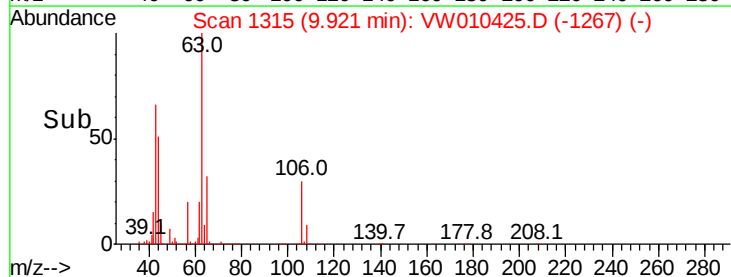
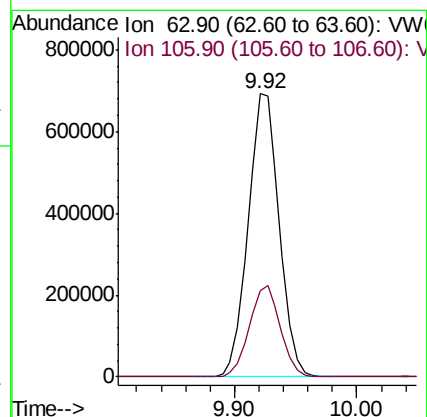
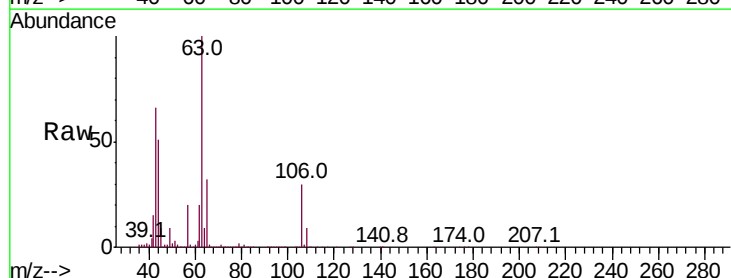
Acq: 17 May 2019 21:53

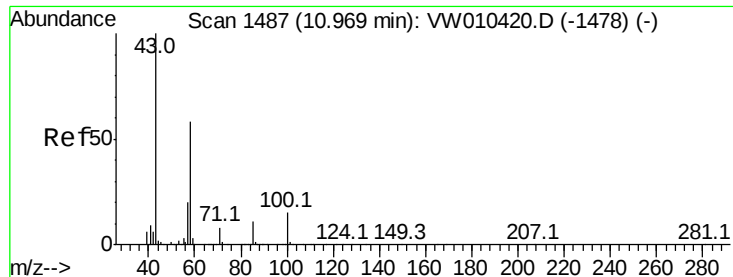
Tgt Ion: 63 Resp: 1220609

Ion Ratio Lower Upper

63 100

106 32.1 25.2 37.8





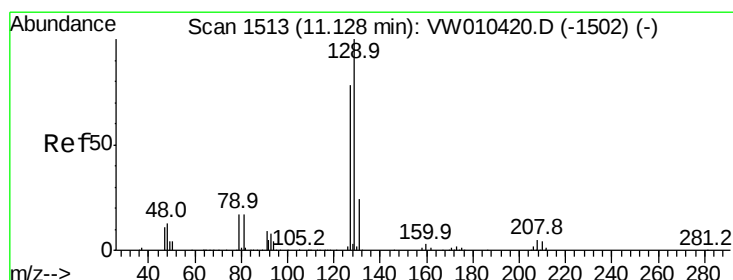
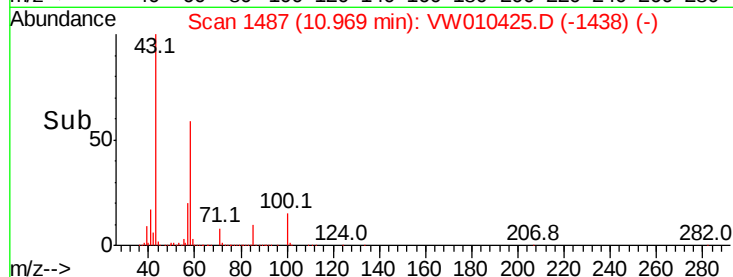
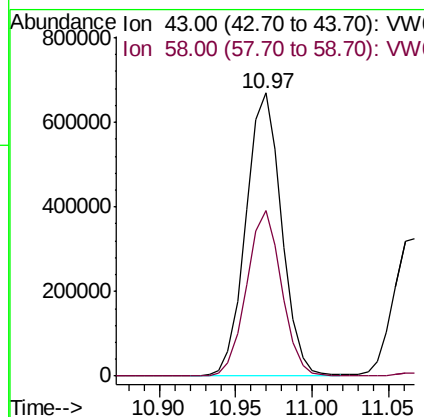
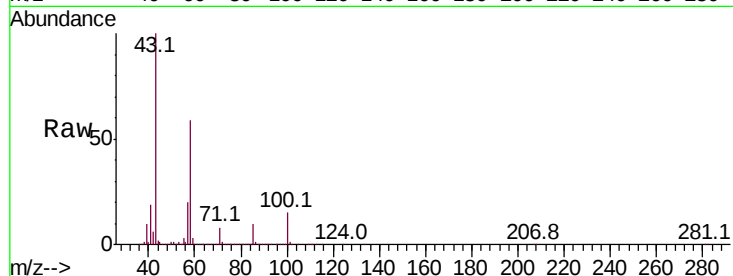
#59
2-Hexanone
Concen: 271.395 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1080560
Ion Ratio Lower Upper
43 100
58 57.6 28.5 85.6

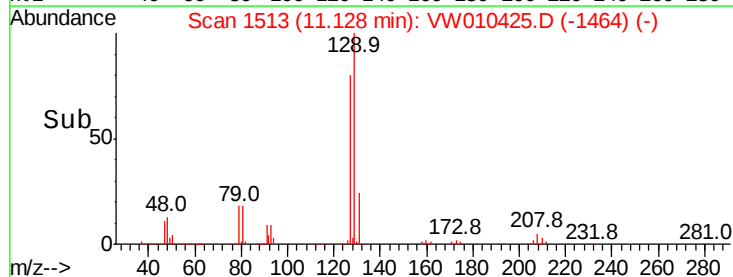
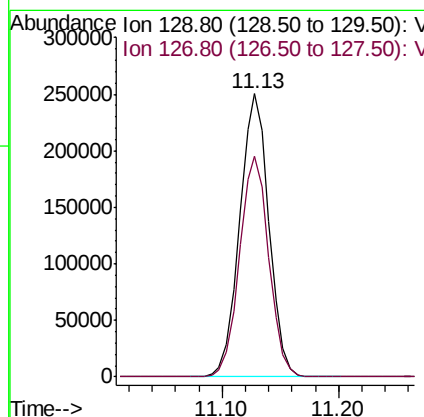
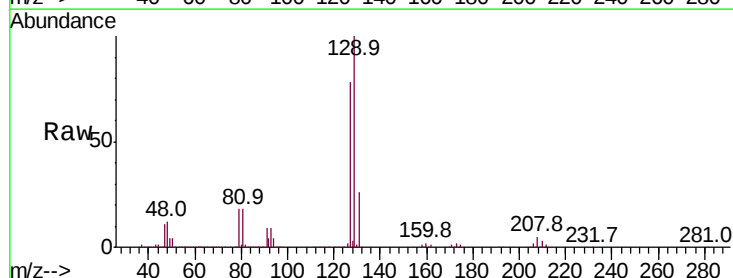
Manual Integrations
APPROVED

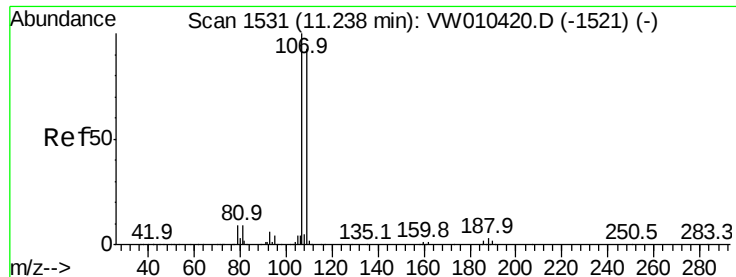
MMDadoda
5/20/2019 12:15:15 PM



#60
Dibromochloromethane
Concen: 51.552 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion: 129 Resp: 435775
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 51.910 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 358374

Ion Ratio Lower Upper

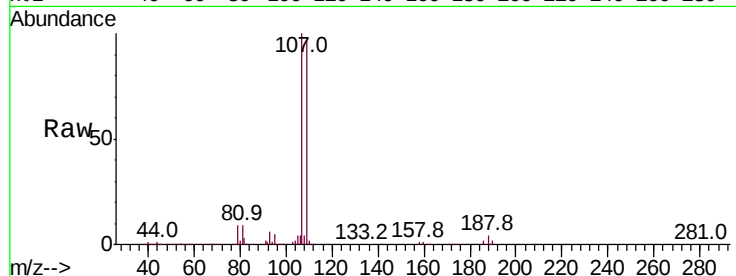
107 100

109 95.2 74.8 112.2

Manual Integrations
APPROVED

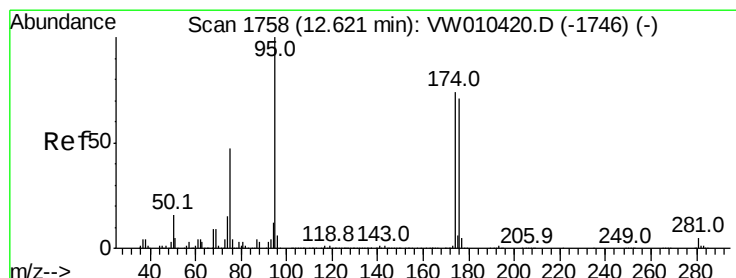
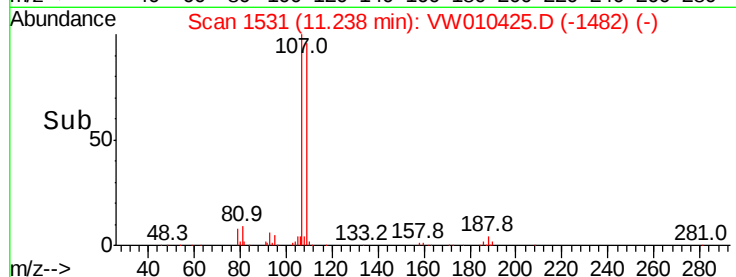
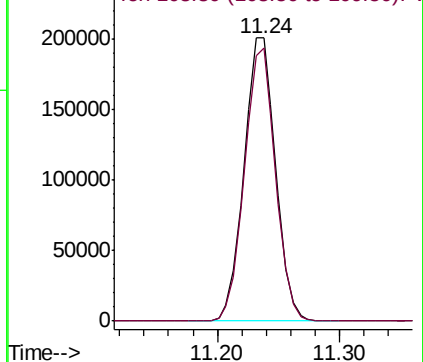
MMDadoda

5/20/2019 12:15:15 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.473 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

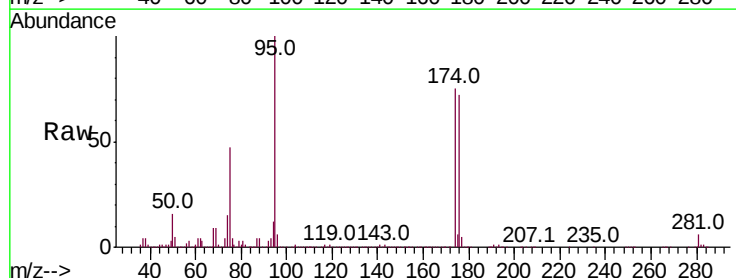
Tgt Ion: 95 Resp: 601475

Ion Ratio Lower Upper

95 100

174 73.9 0.0 146.6

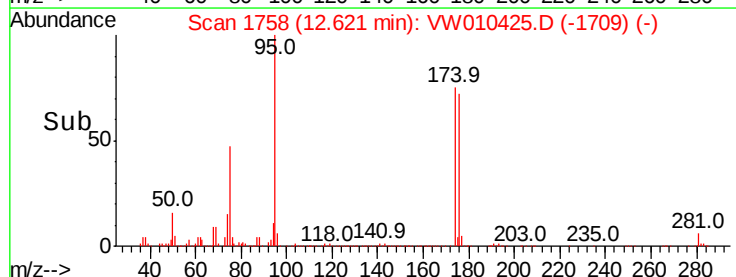
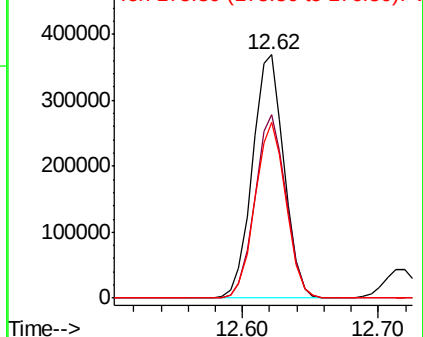
176 70.7 0.0 141.4

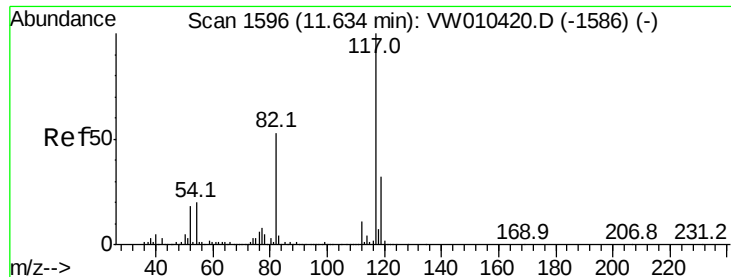


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





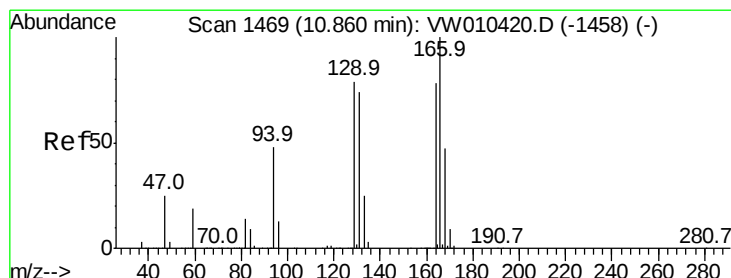
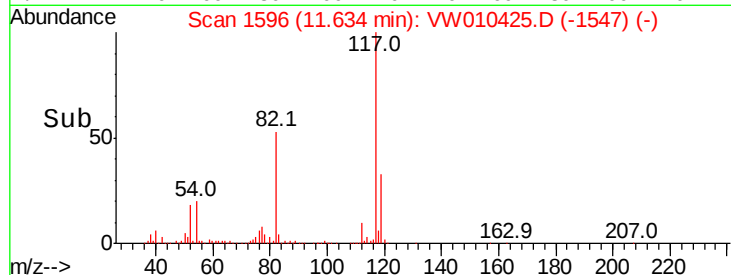
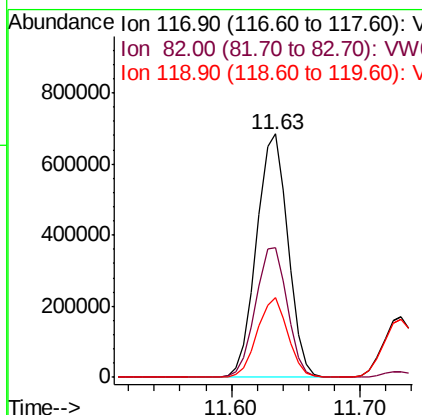
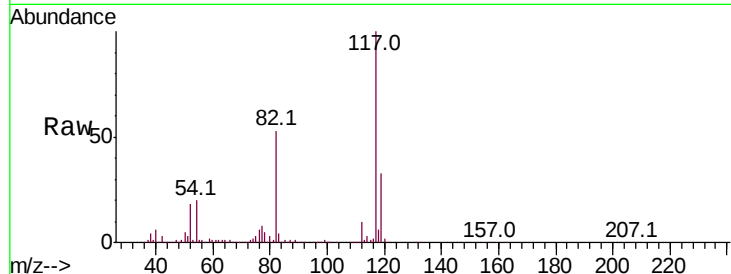
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1152566
Ion Ratio Lower Upper
117 100
82 53.2 42.1 63.1
119 32.5 25.6 38.4

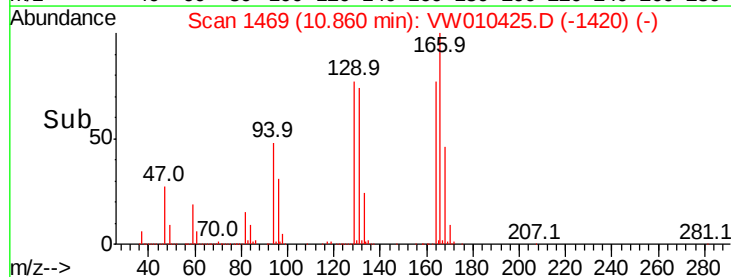
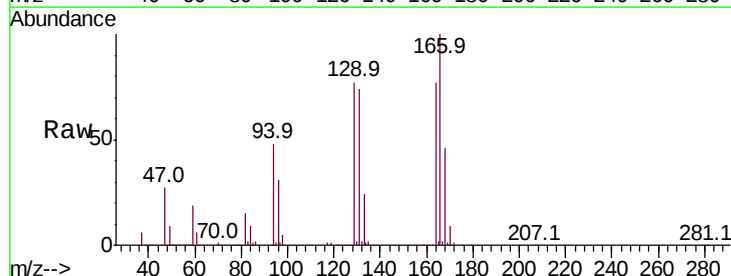
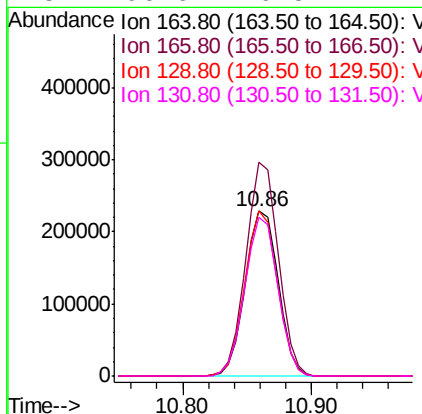
Manual Integrations
APPROVED

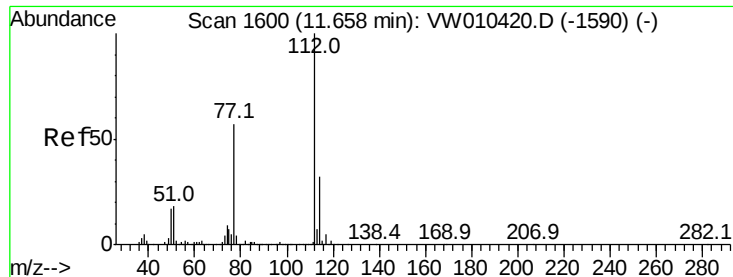
MMDadoda
5/20/2019 12:15:15 PM



#64
Tetrachloroethene
Concen: 53.281 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion:164 Resp: 403918
Ion Ratio Lower Upper
164 100
166 129.8 103.2 154.8
129 100.6 81.6 122.4
131 96.6 76.5 114.7





#65

Chlorobenzene

Concen: 49.117 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1149552

Ion Ratio Lower Upper

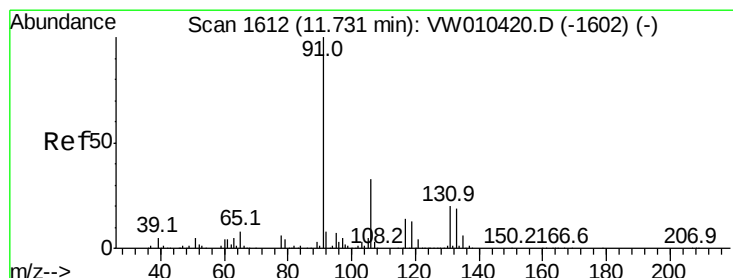
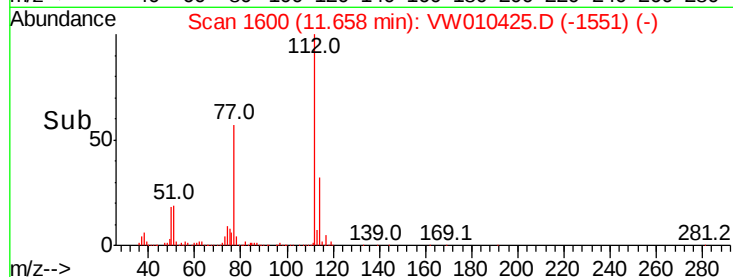
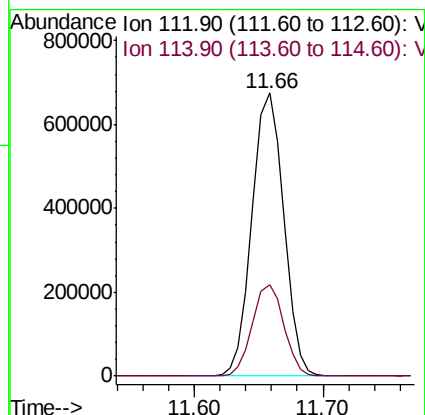
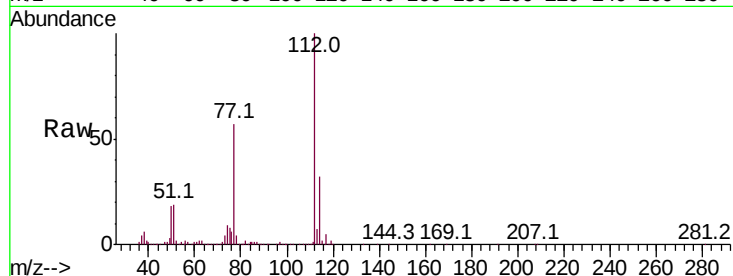
112 100

114 32.4 25.8 38.6

Manual Integrations
APPROVED

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5/20/2019 12:15:15 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 50.640 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

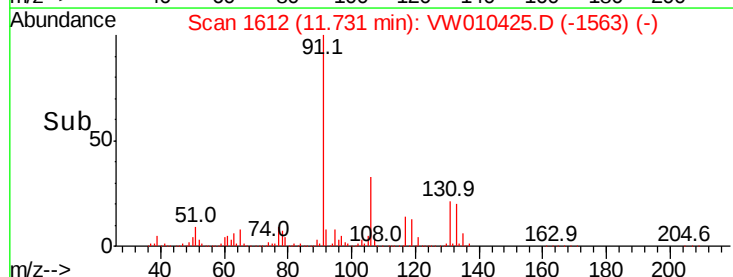
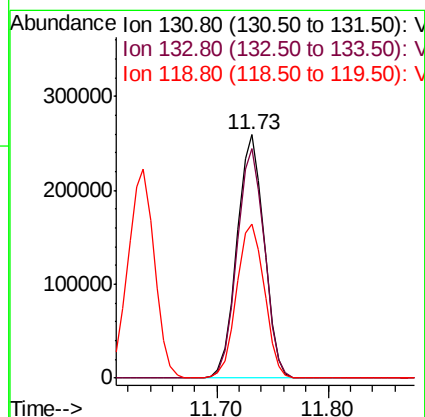
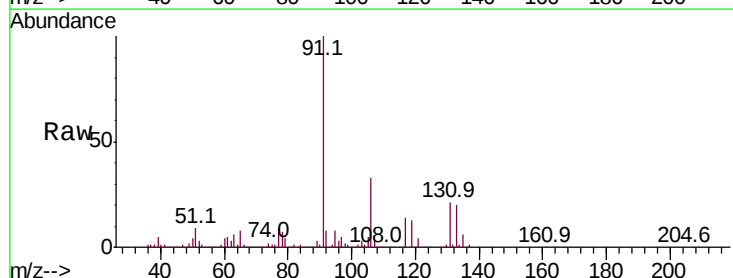
Tgt Ion:131 Resp: 437668

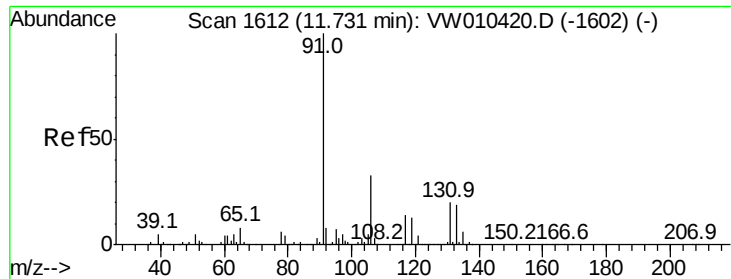
Ion Ratio Lower Upper

131 100

133 95.1 48.3 144.8

119 64.8 32.4 97.0





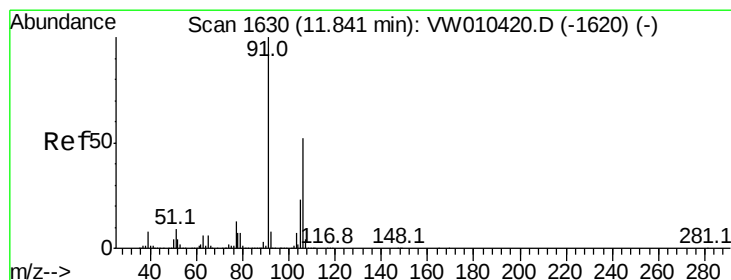
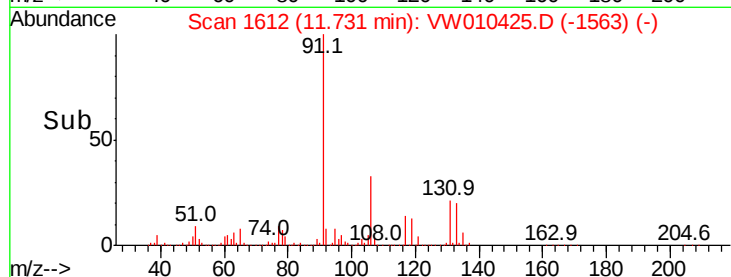
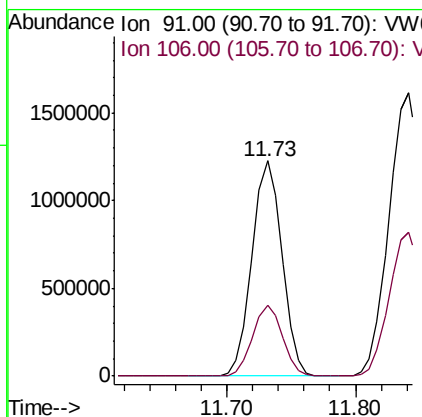
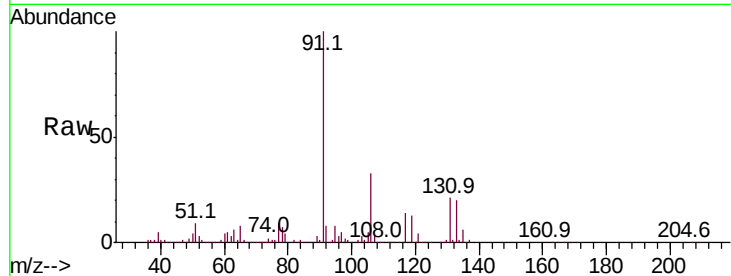
#67
Ethyl Benzene
Concen: 47.889 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1974326
Ion Ratio Lower Upper
91 100
106 32.9 26.5 39.7

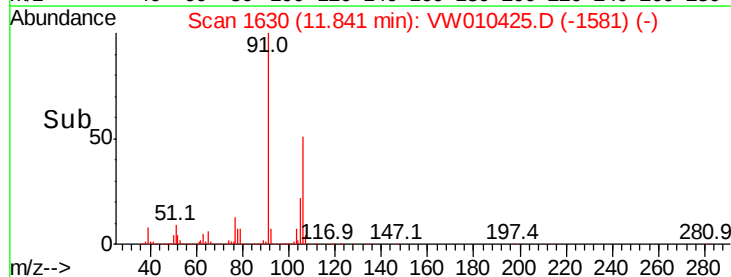
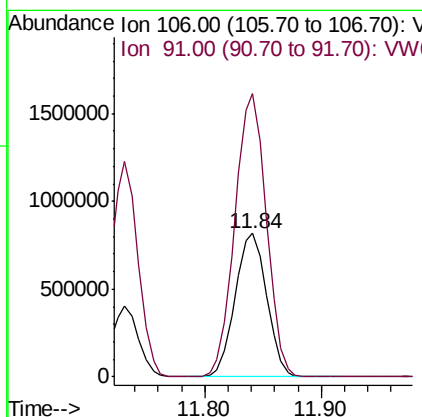
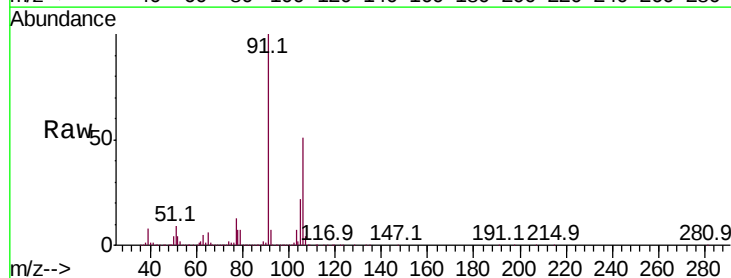
Manual Integrations
APPROVED

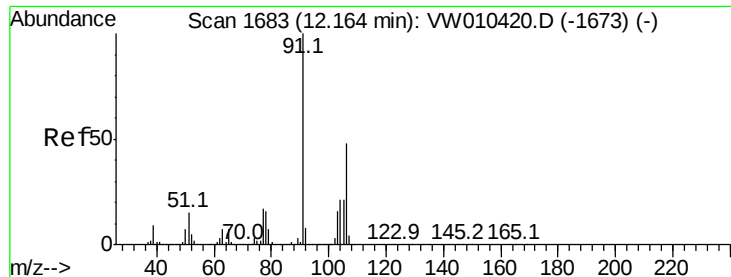
MMDadoda
5/20/2019 12:15:15 PM



#68
m/p-Xylenes
Concen: 95.849 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion: 106 Resp: 1546634
Ion Ratio Lower Upper
106 100
91 196.4 156.2 234.2





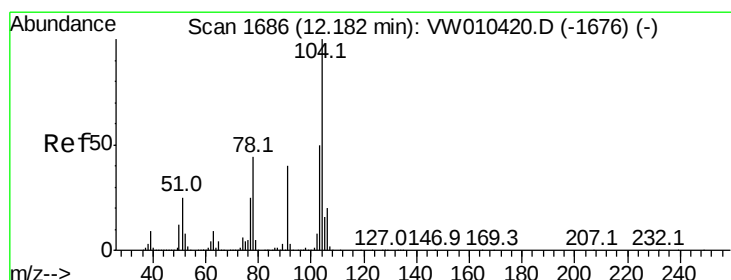
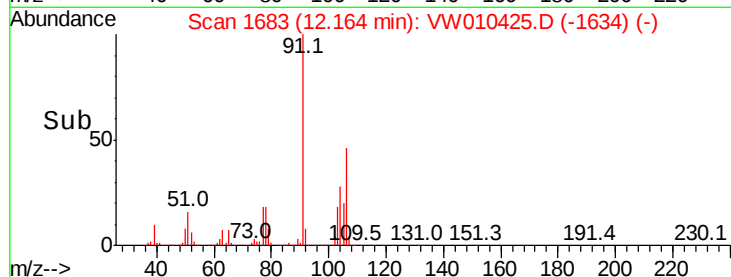
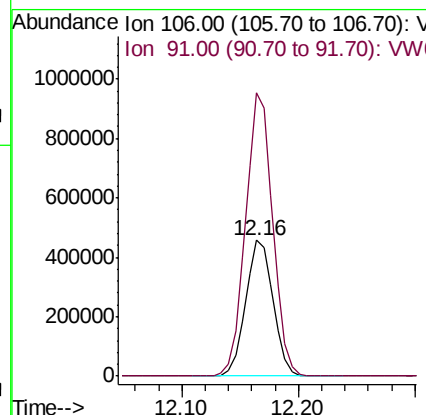
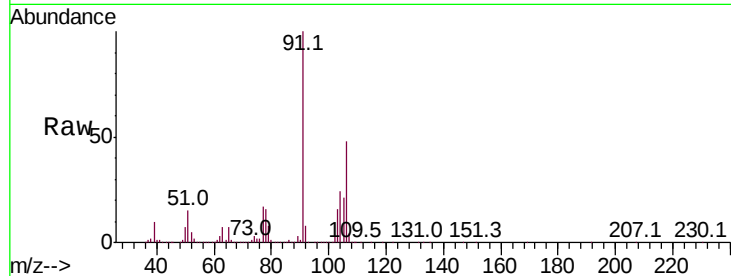
#69
o-Xylene
Concen: 48.845 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.6	102.5	307.5

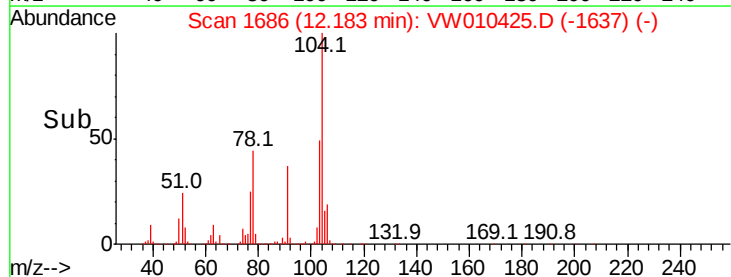
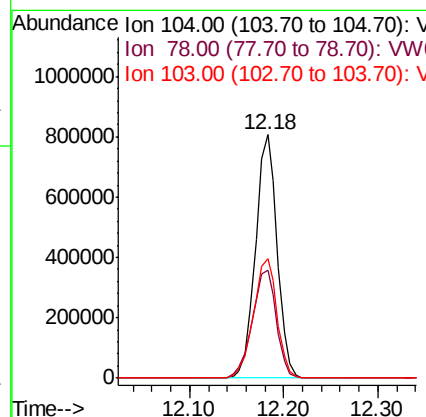
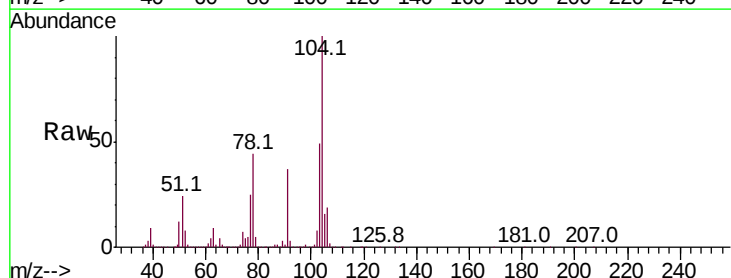
Manual Integrations
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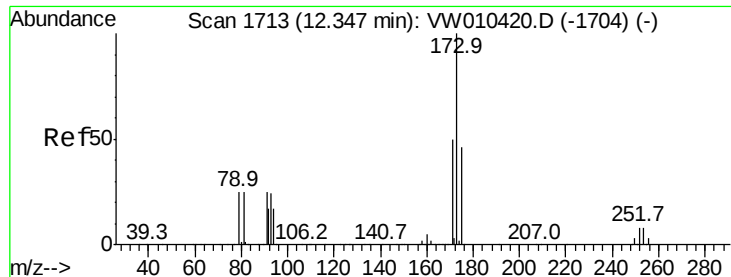
MMDadoda
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#70
Styrene
Concen: 49.264 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.4	59.0
103	53.4	43.4	65.0





#71

Bromoform

Concen: 53.412 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 260102

Ion Ratio Lower Upper

173 100

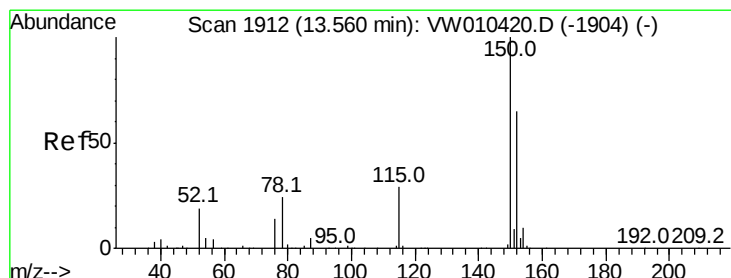
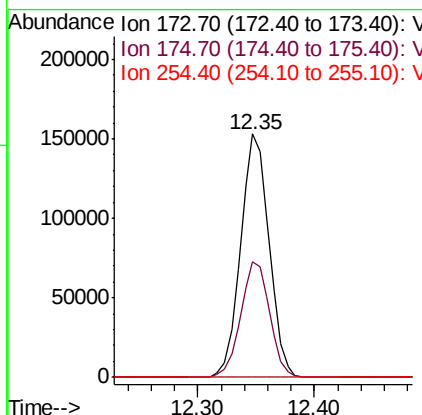
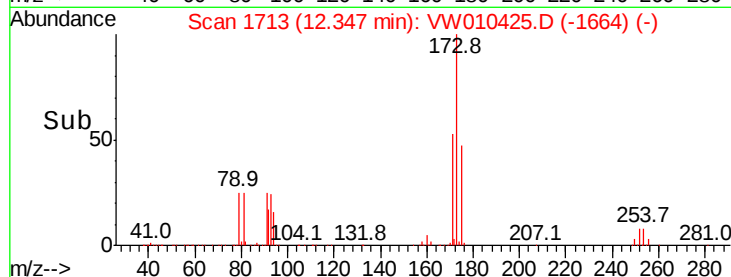
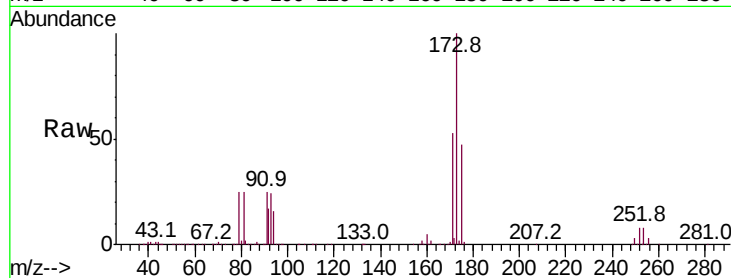
175 48.4 23.8 71.2

254 0.1 0.2 0.2#

Manual Integrations
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5/20/2019 12:15:15 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

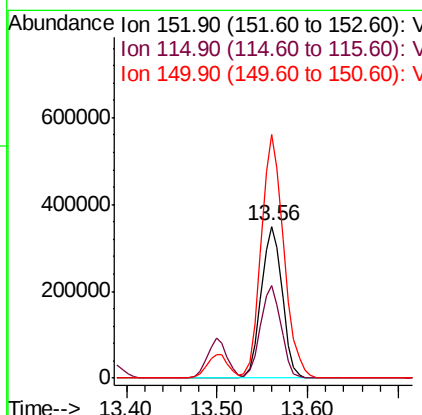
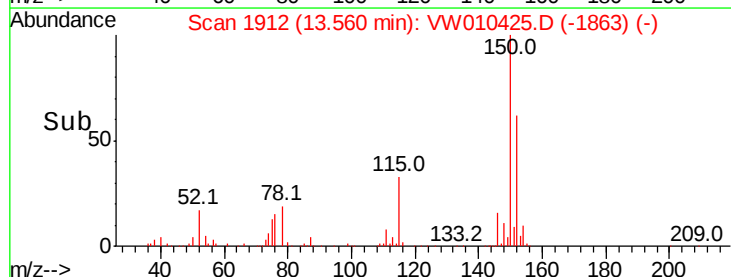
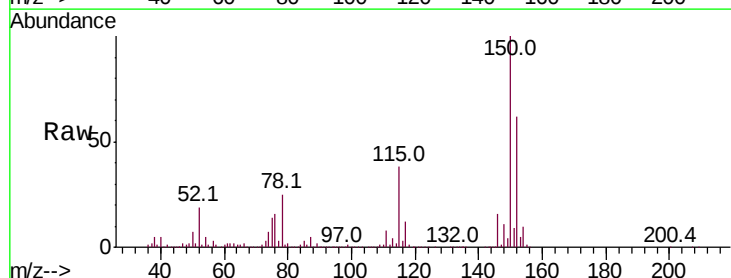
Tgt Ion:152 Resp: 558011

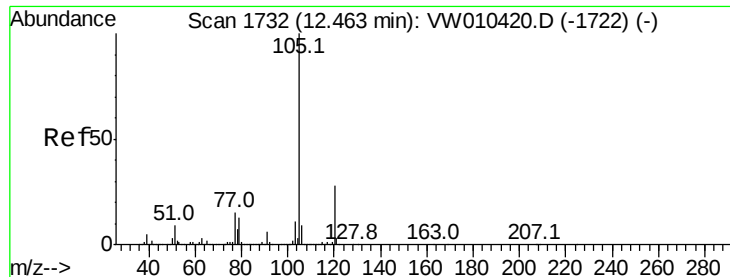
Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.1

150 172.6 0.0 350.2





#73

Isopropylbenzene

Concen: 45.726 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1972984

Ion Ratio Lower Upper

105 100

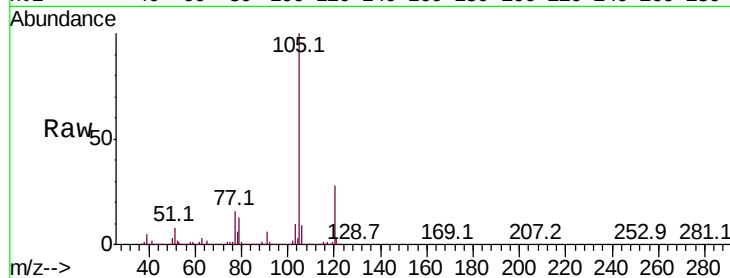
120 27.6 13.9 41.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

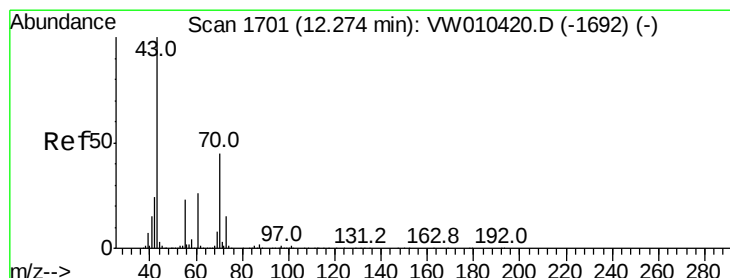
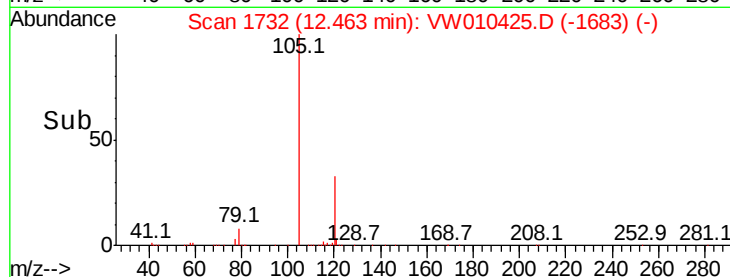
12.46

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 51.170 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion: 43 Resp: 565809

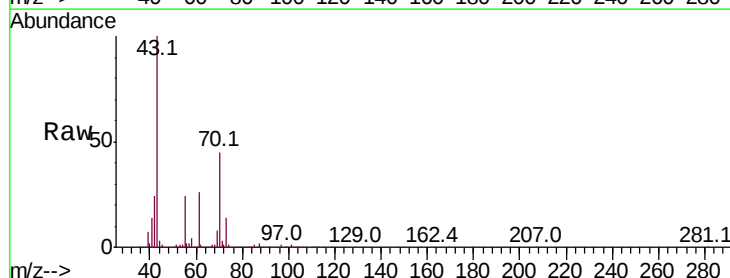
Ion Ratio Lower Upper

43 100

70 45.1 36.4 54.6

55 23.6 19.0 28.6

61 25.8 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

600000

500000

400000

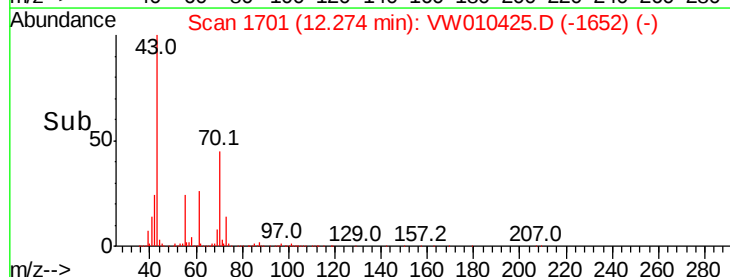
300000

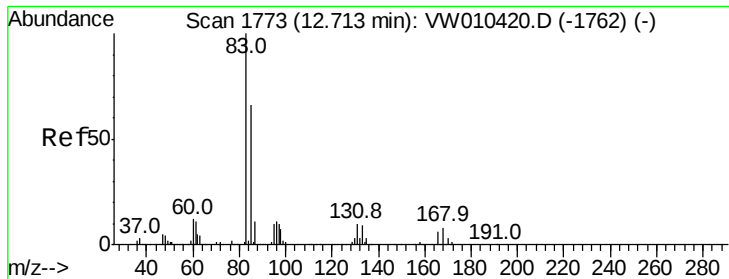
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.030 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 427539

Ion Ratio Lower Upper

83 100

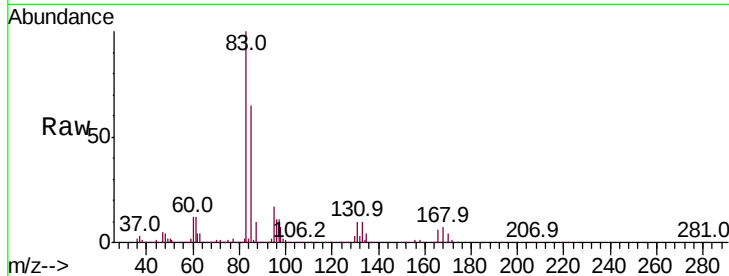
131 11.4 5.5 16.4

85 64.9 32.3 96.9

Manual Integrations
APPROVED

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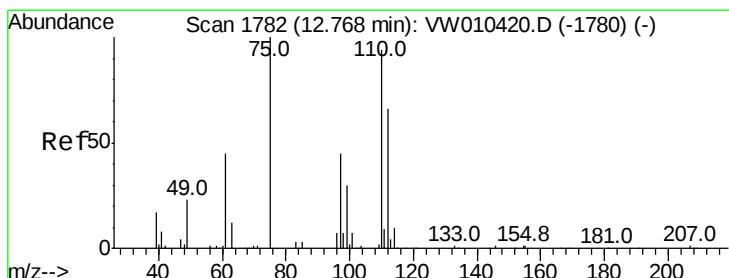
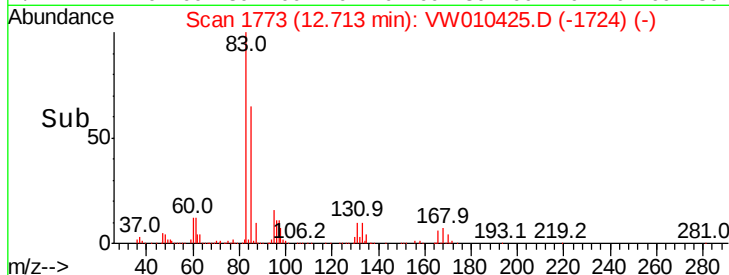
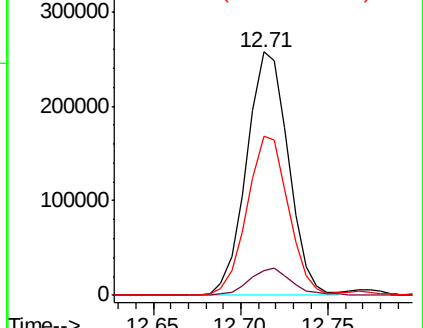
5/20/2019 12:15:15 PM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 49.786 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010425.D

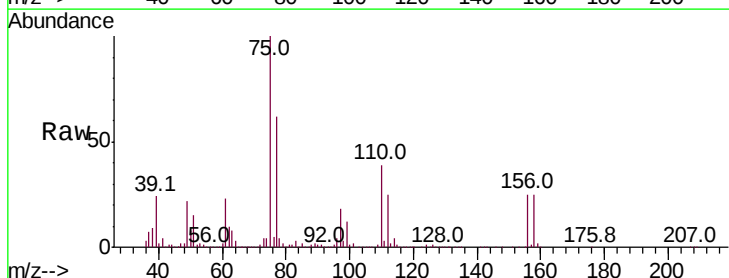
Acq: 17 May 2019 21:53

Tgt Ion: 75 Resp: 297485

Ion Ratio Lower Upper

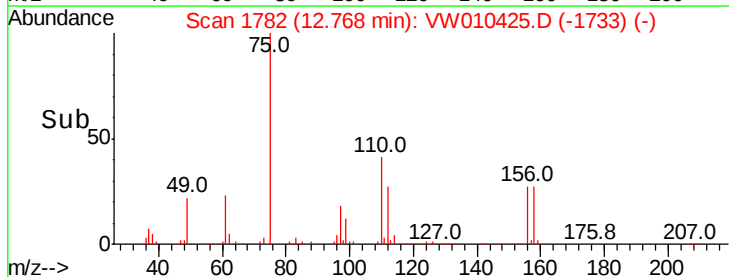
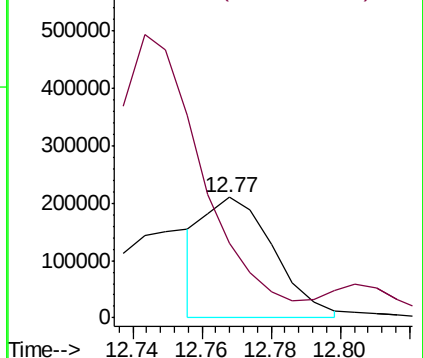
75 100

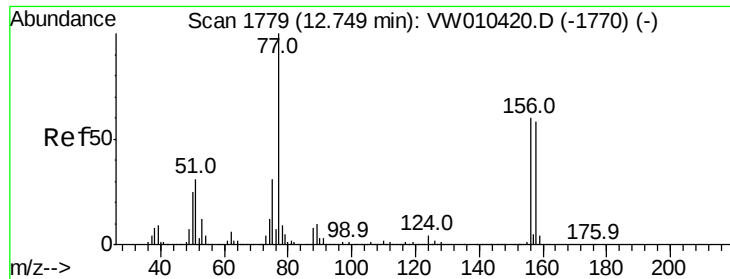
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.188 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

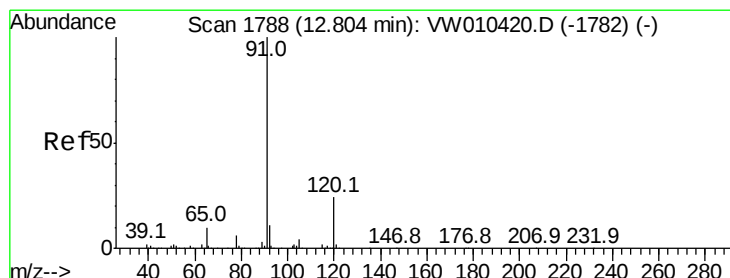
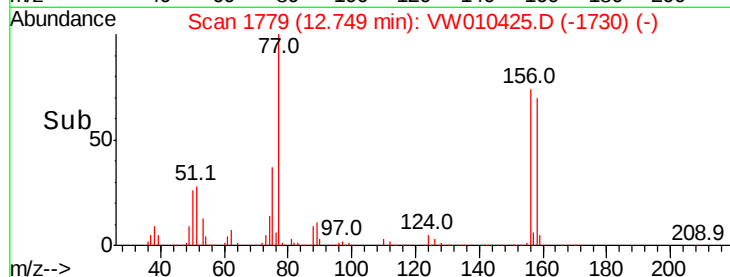
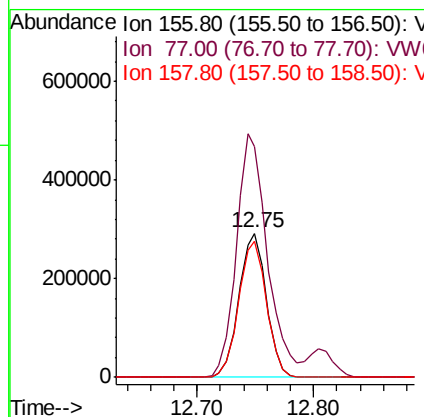
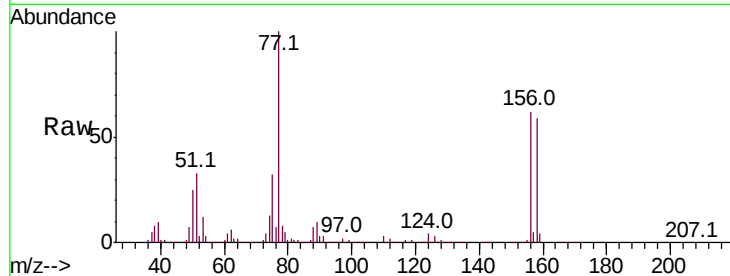
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	479457
Ion Ratio	Lower	Upper	
156	100		
77	189.7	95.7	286.9
158	95.7	48.9	146.7

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#78

n-propylbenzene

Concen: 45.406 ug/l

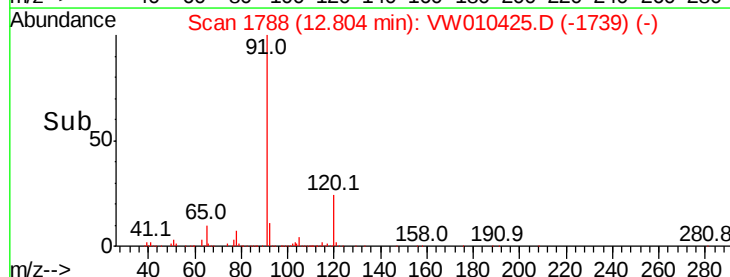
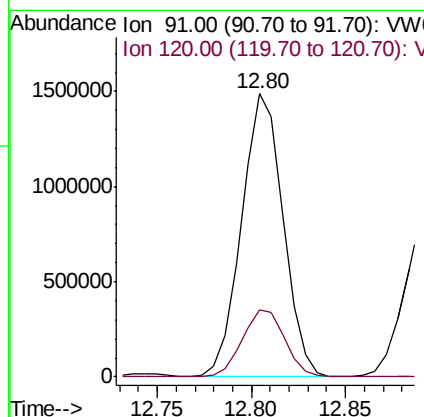
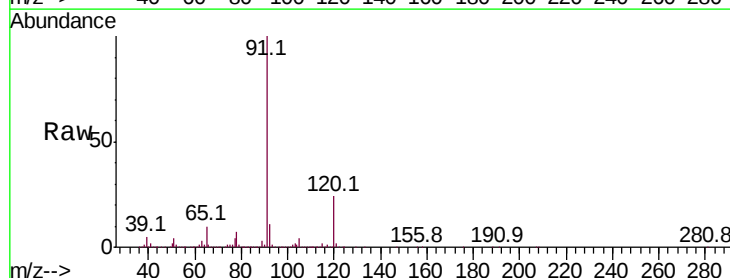
RT: 12.80 min Scan# 1788

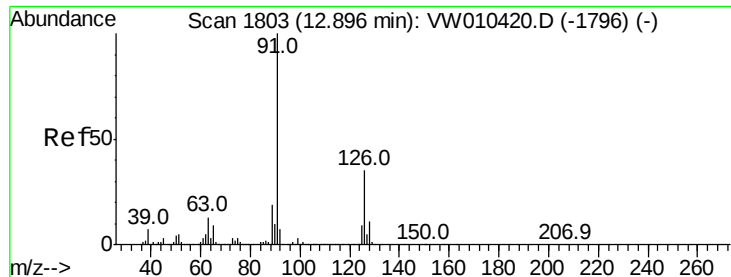
Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion:	91	Resp:	2272612
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.0	36.1





#79

2-Chlorotoluene

Concen: 46.835 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1368877

Ion Ratio Lower Upper

91 100

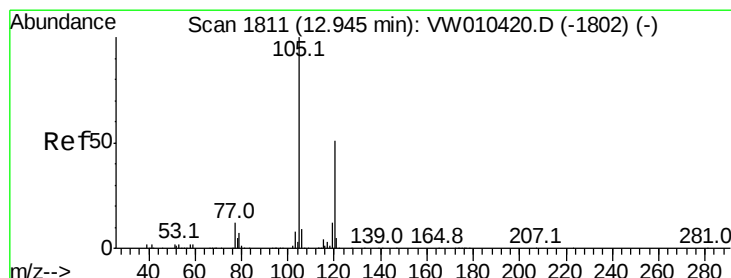
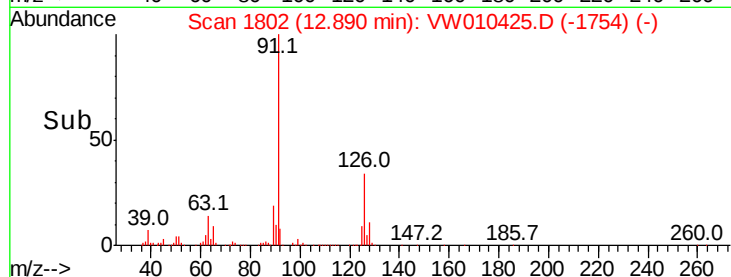
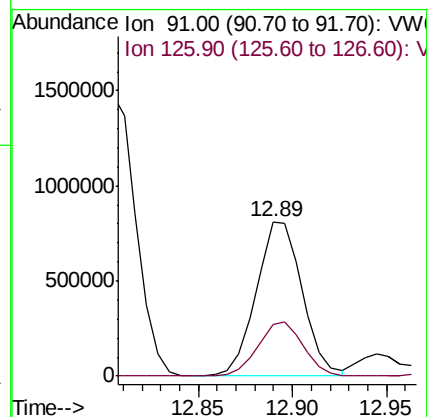
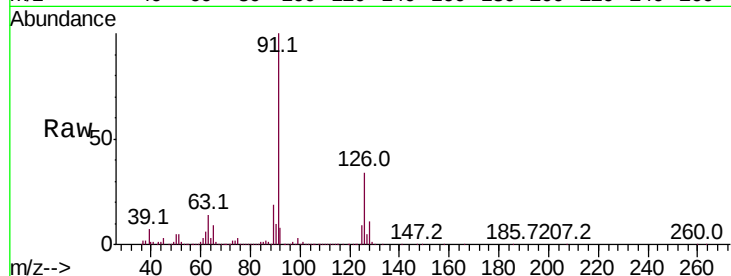
126 34.6 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.729 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010425.D

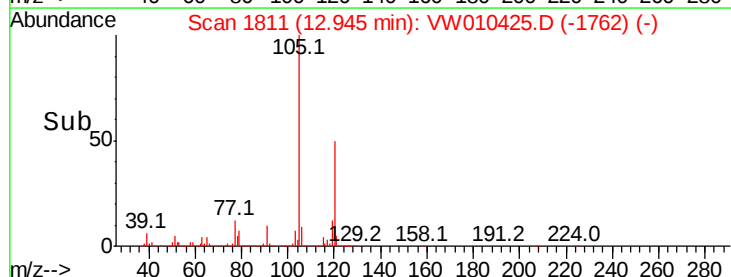
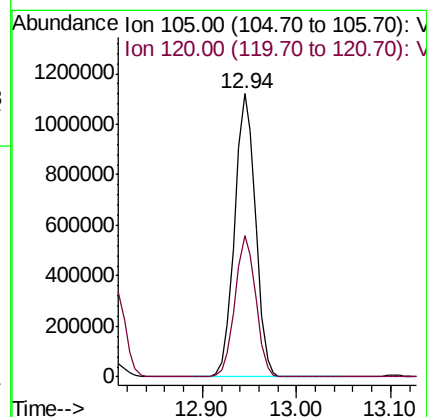
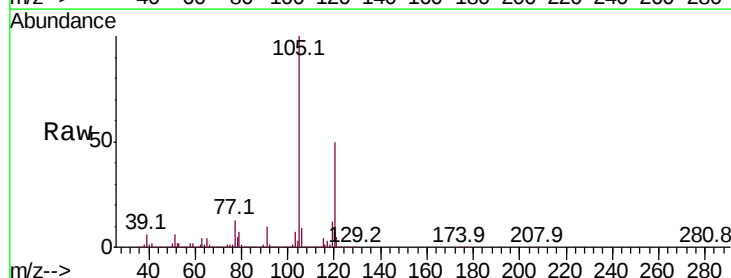
Acq: 17 May 2019 21:53

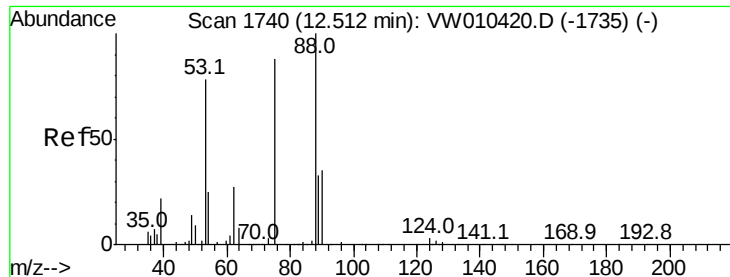
Tgt Ion:105 Resp: 1716220

Ion Ratio Lower Upper

105 100

120 49.6 25.1 75.2





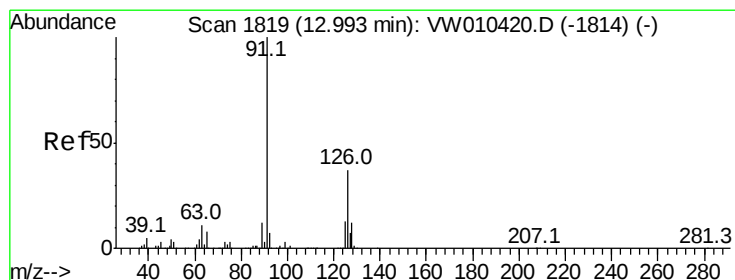
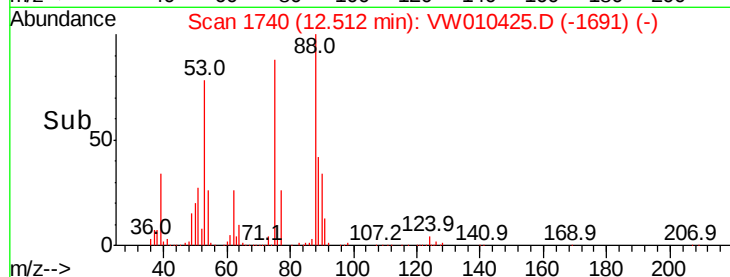
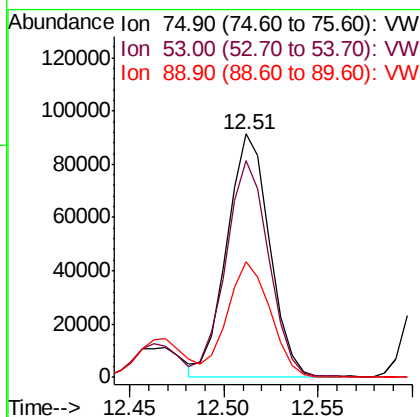
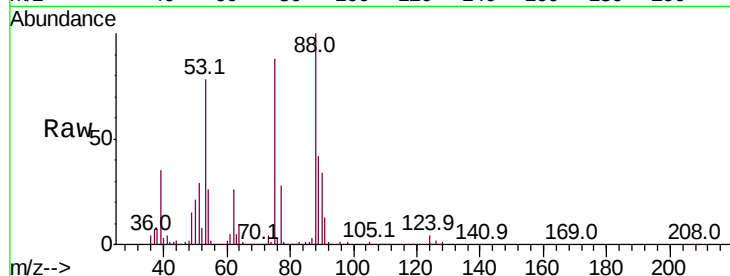
#81
trans-1,4-Dichloro-2-butene
Concen: 47.145 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.7	70.7	106.1
89	48.3	38.6	58.0

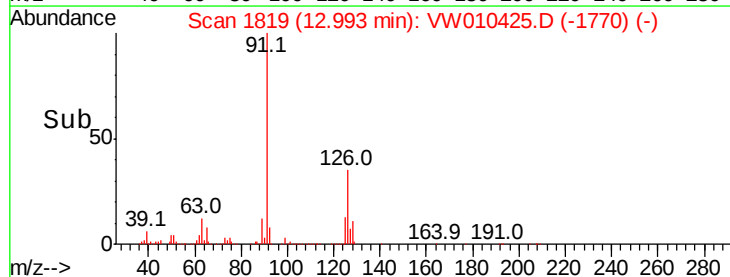
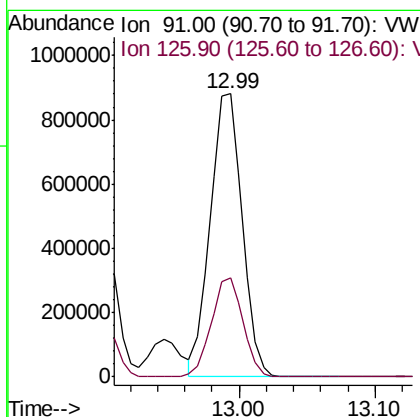
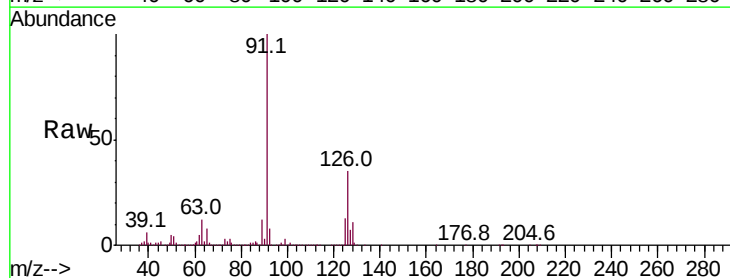
Manual Integrations
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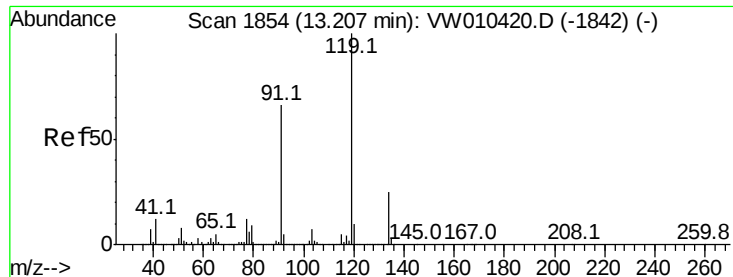
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#82
4-Chlorotoluene
Concen: 46.769 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.4	52.2





#83

tert-Butylbenzene

Concen: 46.629 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

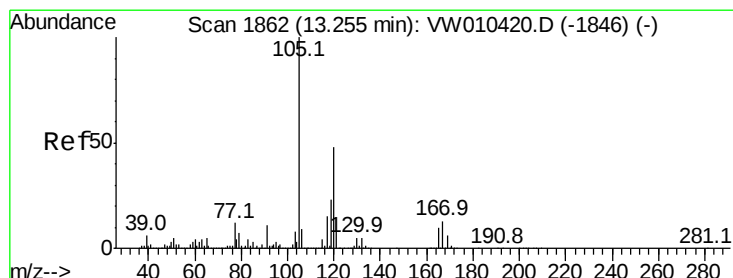
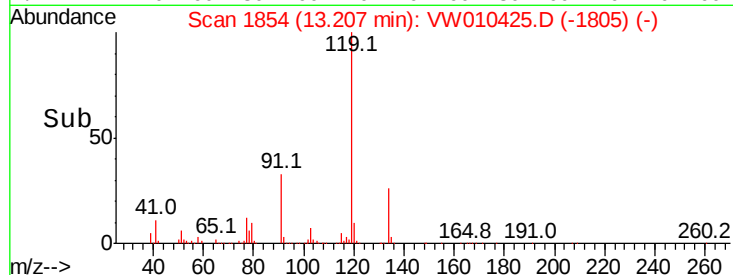
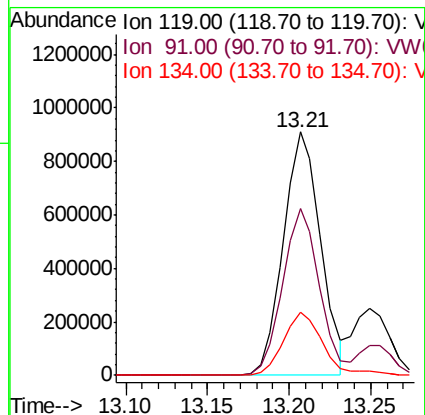
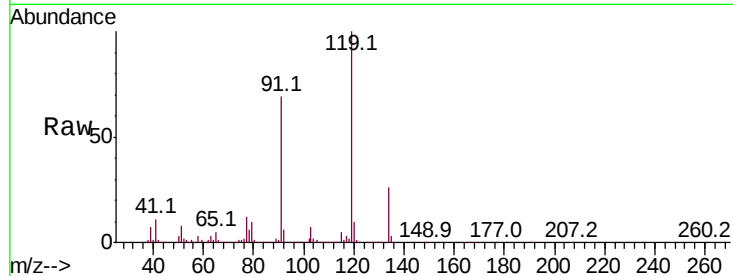
ClientSampleId :

VSTDCCC050

Tot Ion:119	Resp: 1448307
Ion Ratio	Lower Upper
119 100	
91 67.8	33.5 100.5
134 27.4	13.8 41.4

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#84

1,2,4-Trimethylbenzene

Concen: 47.172 ug/l

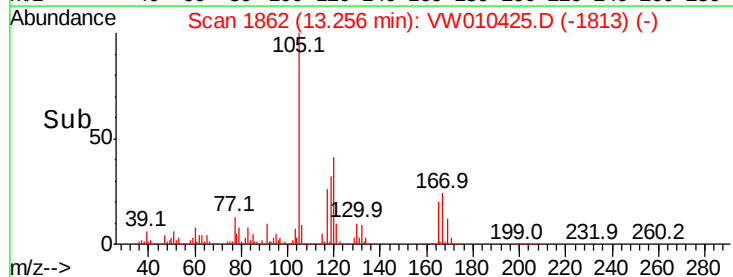
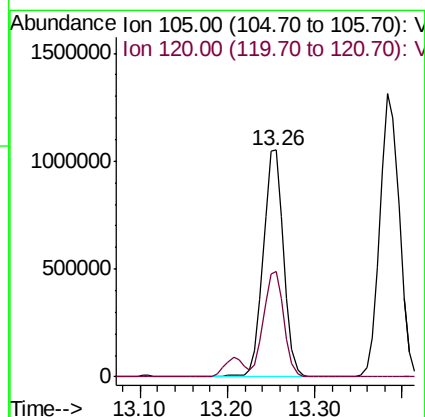
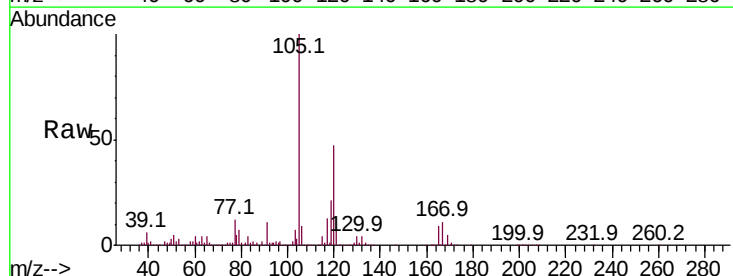
RT: 13.26 min Scan# 1862

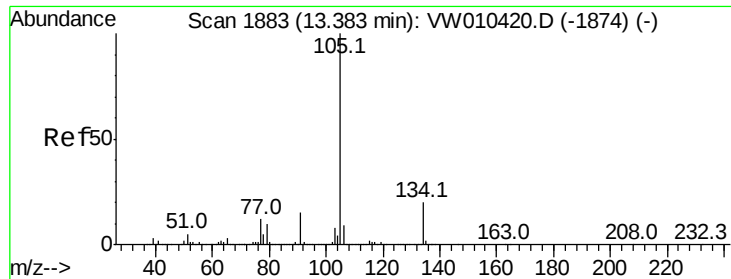
Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion:105	Resp: 1704447
Ion Ratio	Lower Upper
105 100	
120 46.4	23.4 70.0





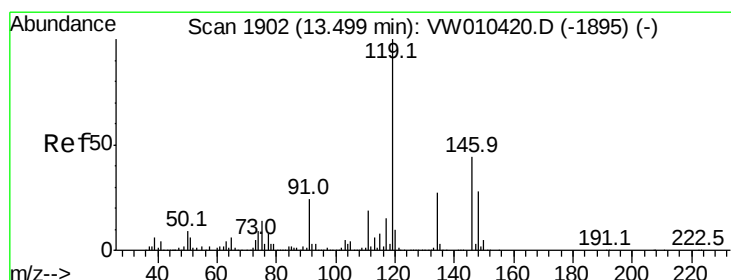
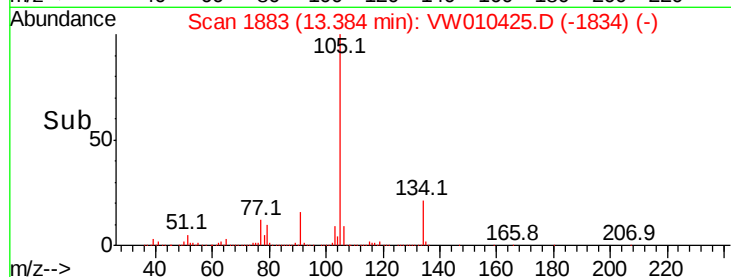
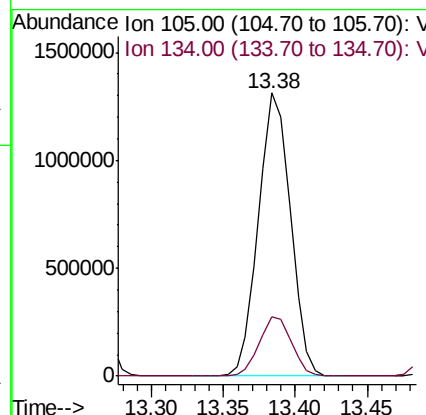
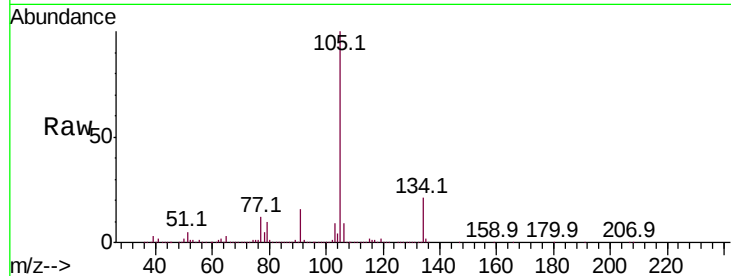
#85
 sec-Butylbenzene
 Concen: 46.199 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion:105 Resp: 2020593
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.4

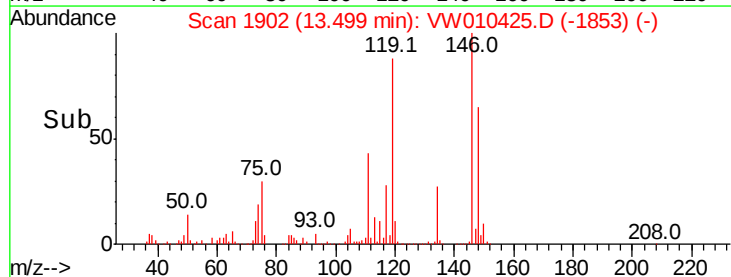
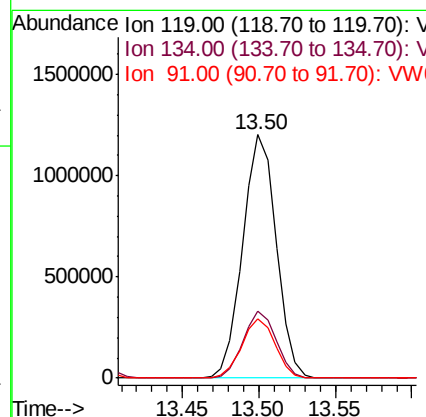
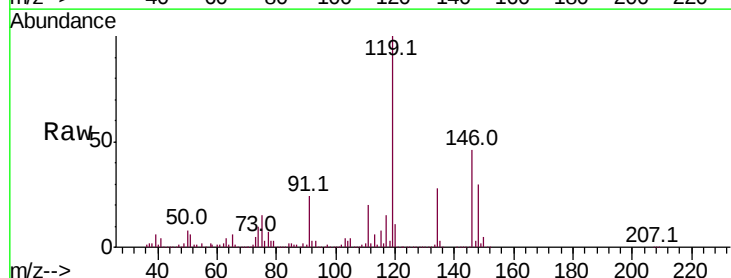
Manual Integrations
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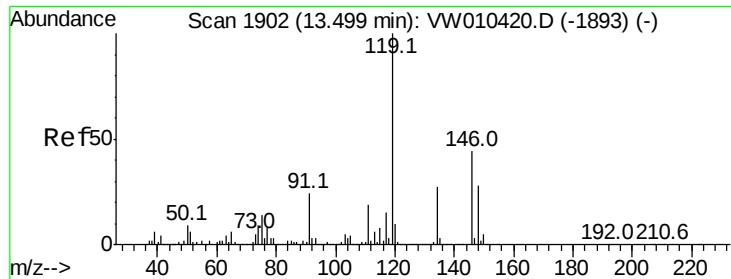
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#86
 p-Isopropyltoluene
 Concen: 46.285 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Tgt Ion:119 Resp: 1828758
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.7 41.0
 91 24.4 12.2 36.4





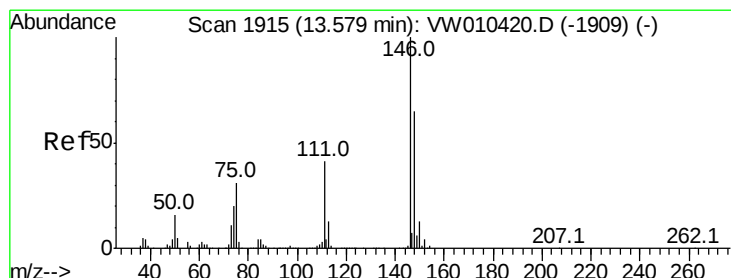
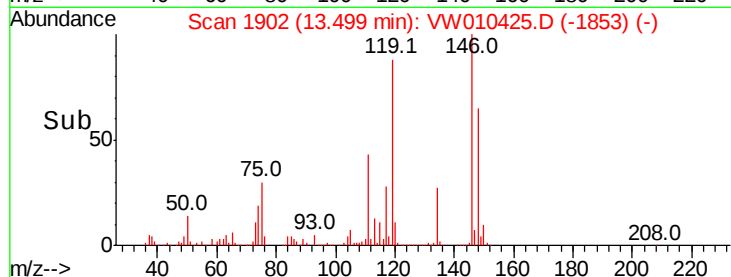
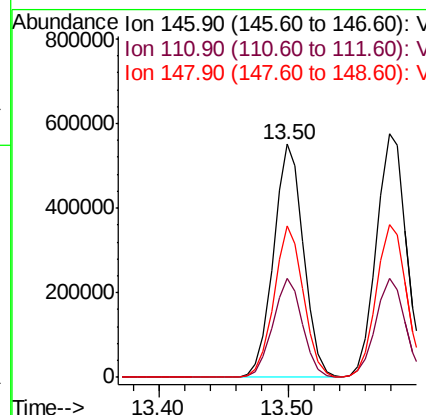
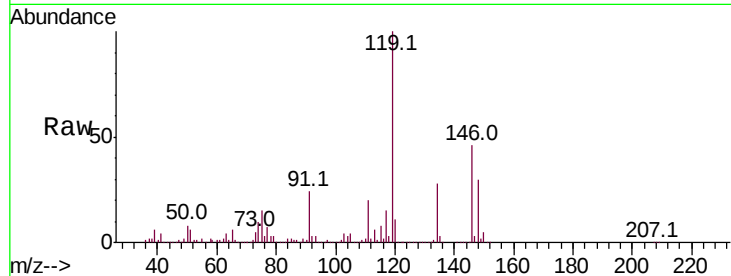
#87
 1,3-Dichlorobenzene
 Concen: 47.520 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	892043		
111	41.7	20.8	62.4	
148	63.9	31.8	95.4	

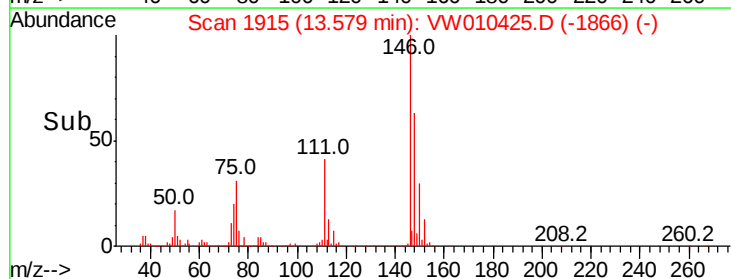
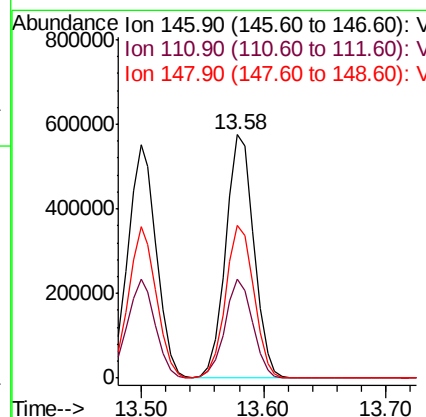
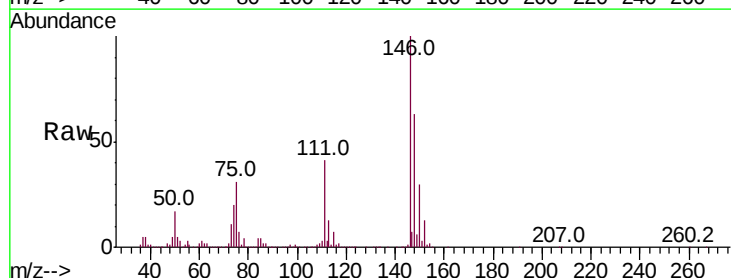
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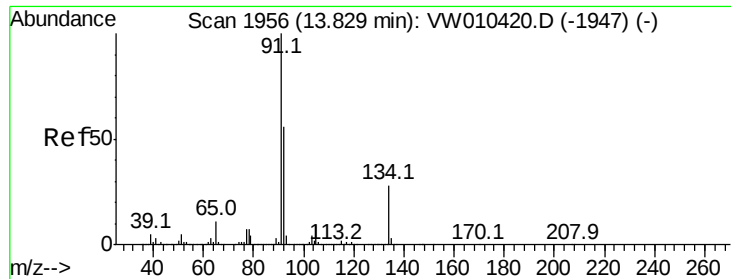
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#88
 1,4-Dichlorobenzene
 Concen: 48.978 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	915183		
111	40.0	20.4	61.3	
148	63.3	32.3	96.9	





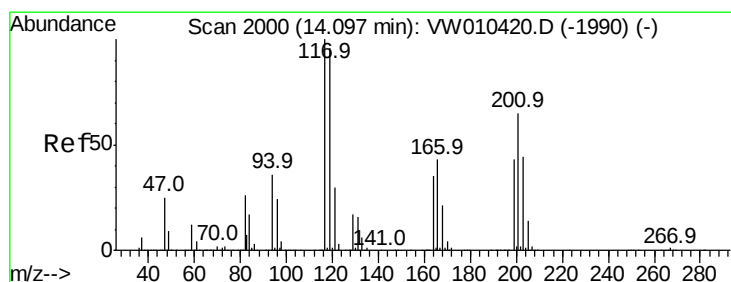
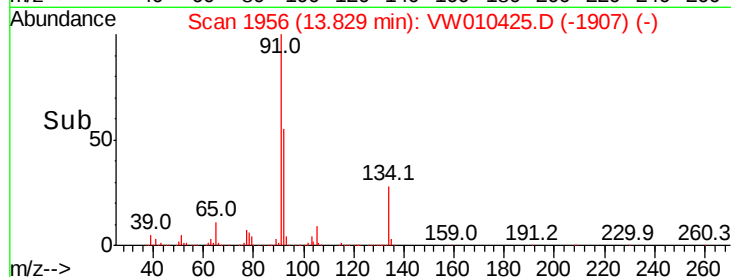
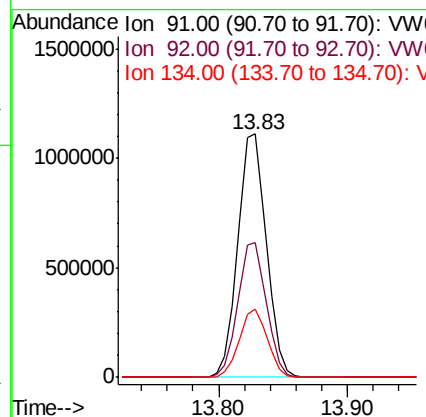
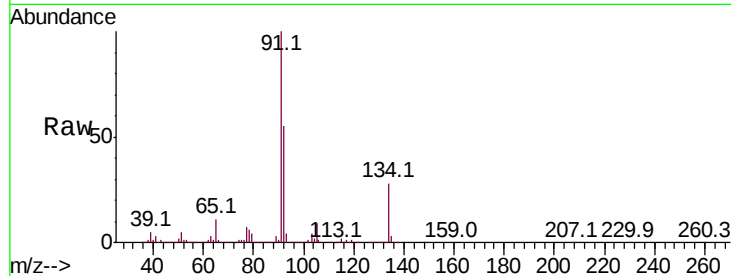
#89
n-Butylbenzene
Concen: 45.511 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1715670
Ion Ratio Lower Upper
91 100
92 55.2 27.7 83.0
134 27.5 13.8 41.3

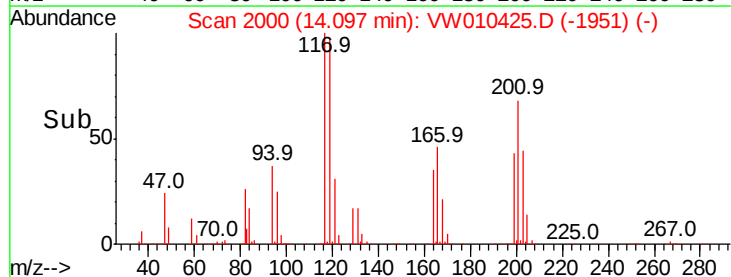
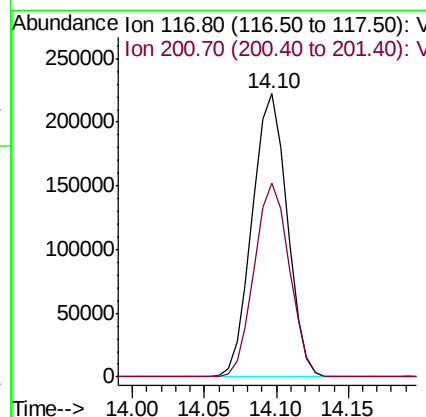
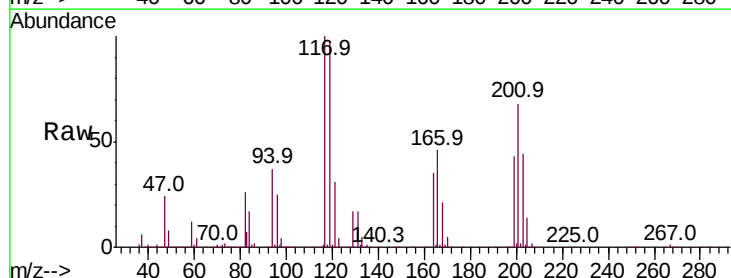
Manual Integrations
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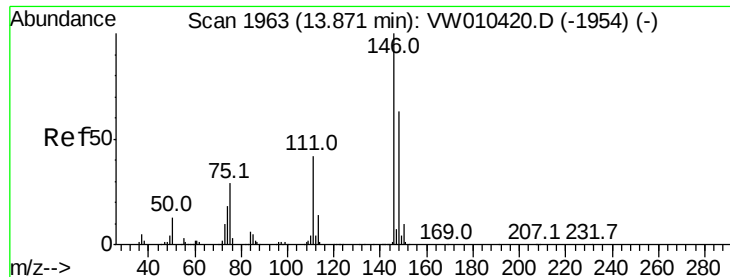
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#90
Hexachloroethane
Concen: 47.103 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion: 117 Resp: 374376
Ion Ratio Lower Upper
117 100
201 68.5 33.8 101.4





#91

1,2-Dichlorobenzene

Concen: 49.708 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Instrument :

MSVOA_W

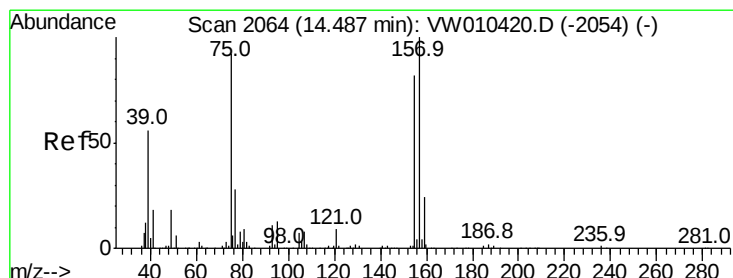
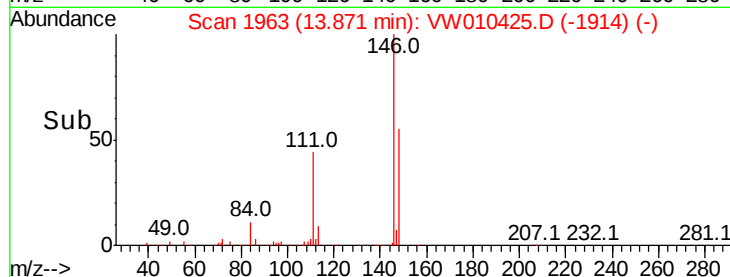
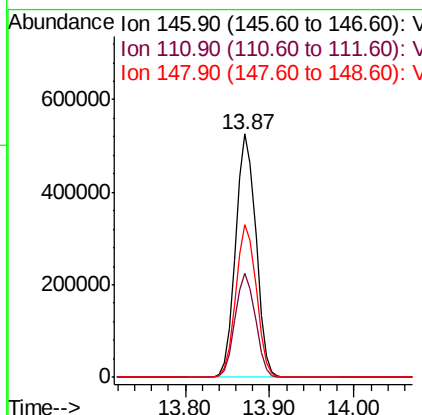
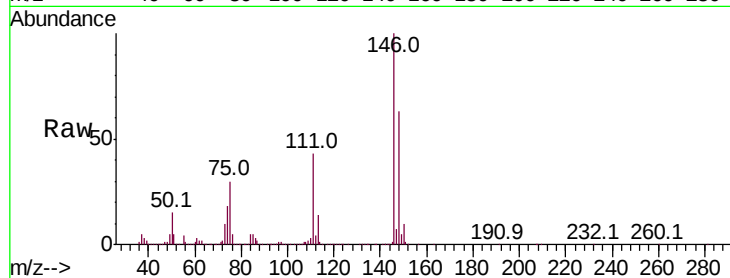
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	848403
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.3	63.7
148	63.2	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.080 ug/l

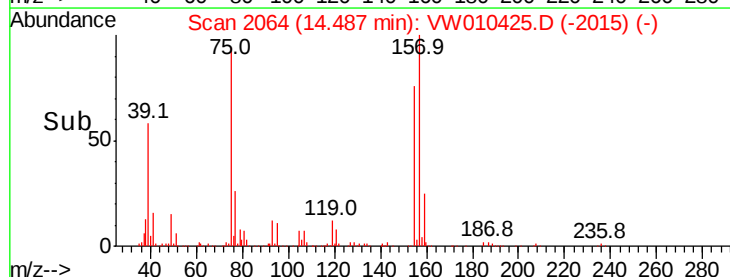
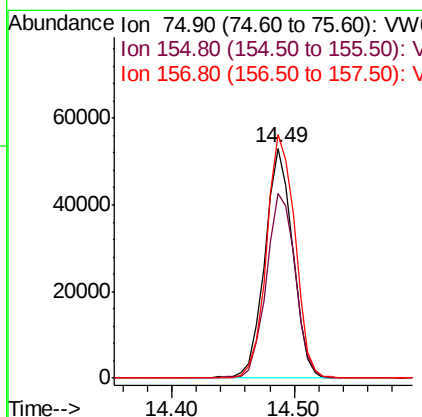
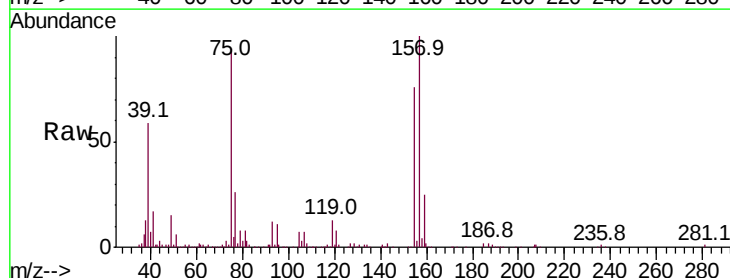
RT: 14.49 min Scan# 2064

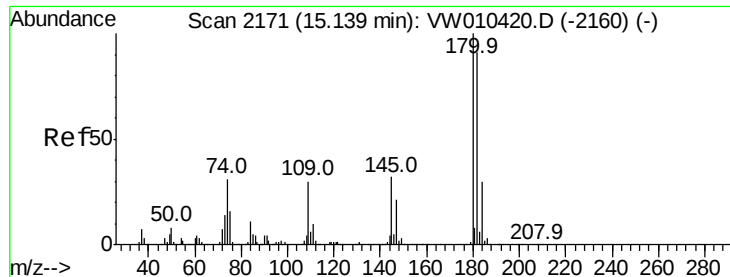
Delta R.T. 0.00 min

Lab File: VW010425.D

Acq: 17 May 2019 21:53

Tgt Ion:	75	Resp:	84409
Ion Ratio	Lower	Upper	
75	100		
155	83.2	43.5	130.7
157	107.4	54.8	164.4





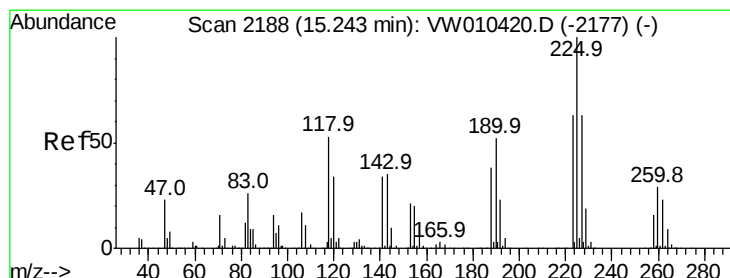
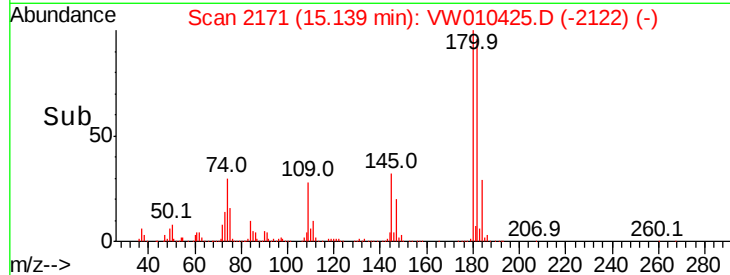
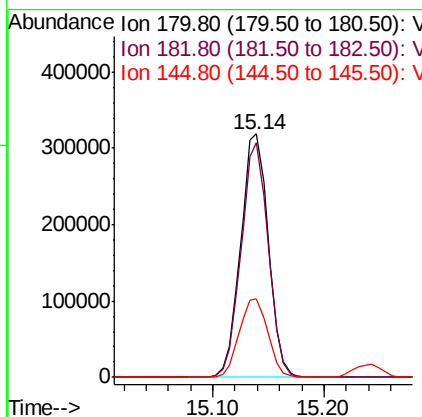
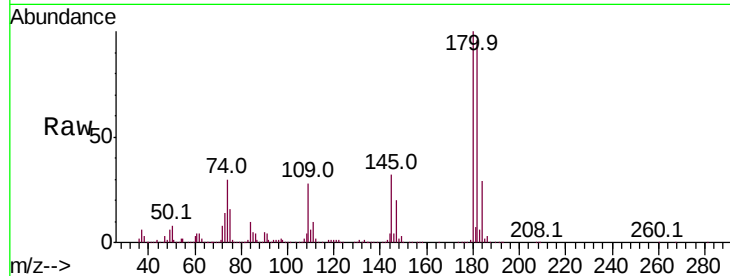
#93
 1,2,4-Trichlorobenzene
 Concen: 49.323 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.0	141.2	
145	33.4	16.6	49.7	

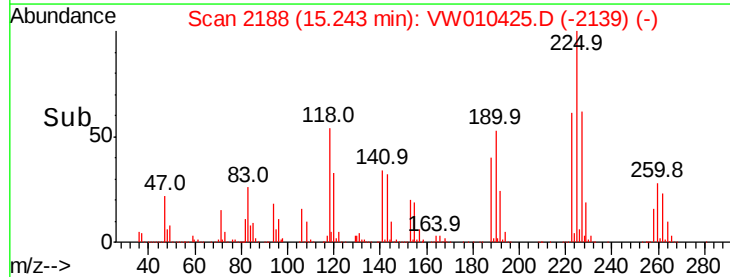
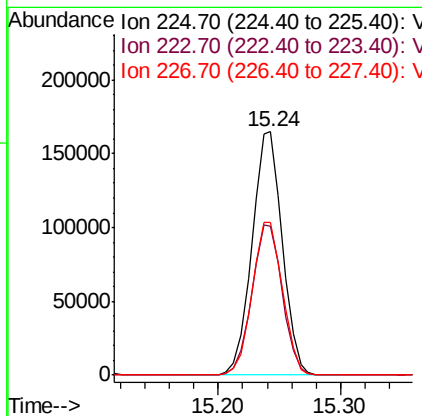
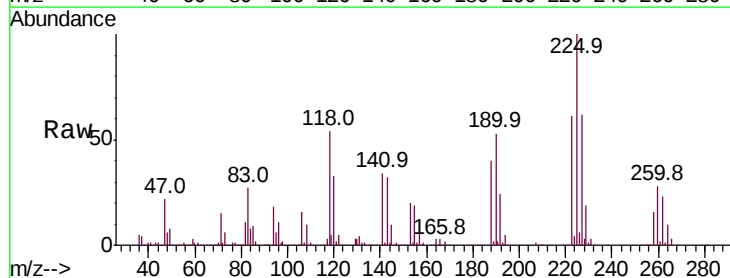
Manual Integrations
 APPROVED

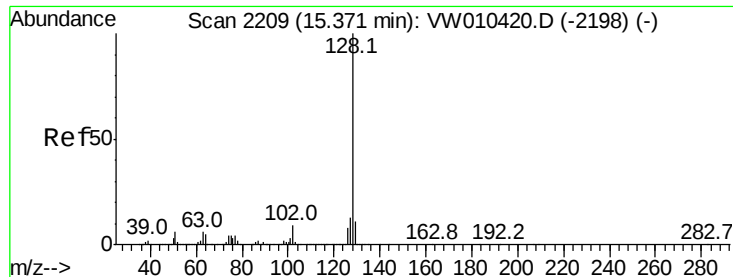
MMDadoda
 5/20/2019 12:15:15 PM



#94
 Hexachlorobutadiene
 Concen: 47.815 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010425.D
 Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	32.0	96.2	
227	63.0	31.4	94.0	





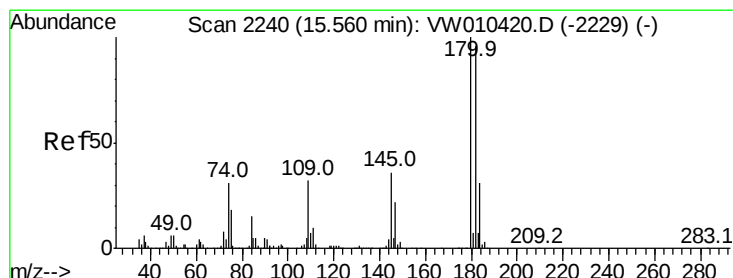
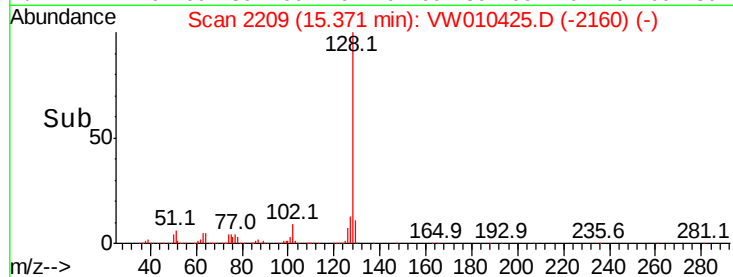
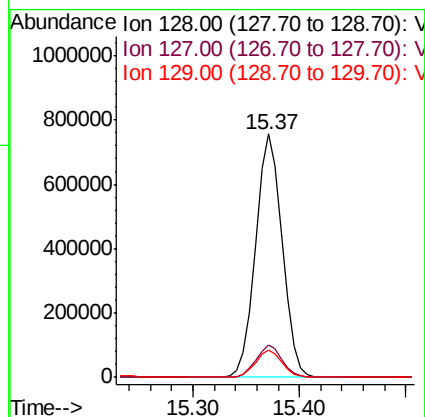
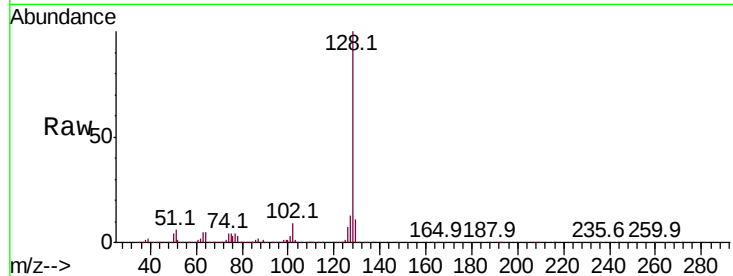
#95
Naphthalene
Concen: 52.635 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:15:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.089 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010425.D
Acq: 17 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.6	142.9
145	35.6	17.8	53.5

