

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011160.D
 Acq On : 08 Jul 2019 12:55
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:01 PM

Quant Time: Jul 09 06:04:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167818	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	424248	143.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.98%	
35) Dibromofluoromethane	7.88	113	335138	143.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.34%	
50) Toluene-d8	10.32	98	1367179	144.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.98%	
62) 4-Bromofluorobenzene	12.62	95	501752	145.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	244266	139.188	ug/l	99
3) Chloromethane	2.21	50	333981	147.692	ug/l	97
4) Vinyl Chloride	2.36	62	401623	135.694	ug/l	97
5) Bromomethane	2.76	94	203807	137.035	ug/l	97
6) Chloroethane	2.91	64	229876	144.196	ug/l	98
7) Trichlorofluoromethane	3.24	101	161511	153.607	ug/l	99
8) Diethyl Ether	3.67	74	220408	151.499	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	353551	140.379	ug/l	100
10) Methyl Iodide	4.27	142	514270	148.464	ug/l	99
11) Tert butyl alcohol	5.17	59	159983	730.830	ug/l	97
12) 1,1-Dichloroethene	4.04	96	381089	145.786	ug/l	96
13) Acrolein	3.89	56	137559	789.149	ug/l	99
14) Allyl chloride	4.66	41	684423	143.582	ug/l	98
15) Acrylonitrile	5.36	53	554663	748.595	ug/l	100
16) Acetone	4.12	43	508136	714.255	ug/l	100
17) Carbon Disulfide	4.38	76	1162856	146.735	ug/l	99
18) Methyl Acetate	4.66	43	299372	134.560	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	568448	143.318	ug/l	99
20) Methylene Chloride	4.91	84	397457	141.620	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	400363	147.398	ug/l	97
22) Diisopropyl ether	6.31	45	1502552	146.555	ug/l	96
23) Vinyl Acetate	6.25	43	5054554	796.625	ug/l	99
24) 1,1-Dichloroethane	6.21	63	800509	148.691	ug/l	99
25) 2-Butanone	7.16	43	855389	765.968	ug/l	99
26) 2,2-Dichloropropane	7.16	77	387393	138.428	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	437974	149.478	ug/l	99
28) Bromochloromethane	7.51	49	346395	141.503	ug/l #	100
29) Tetrahydrofuran	7.52	42	559422	763.968	ug/l	100
30) Chloroform	7.67	83	718984	144.205	ug/l	98
31) Cyclohexane	7.95	56	780039	136.192	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	546931	144.205	ug/l	100
36) 1,1-Dichloropropene	8.08	75	598393	143.579	ug/l	100
37) Ethyl Acetate	7.25	43	366451	146.342	ug/l	100
38) Carbon Tetrachloride	8.06	117	520279	147.260	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	730328	144.578	ug/l	99
40) Benzene	8.32	78	1658146	143.962	ug/l	99
41) Methacrylonitrile	7.48	41	214900	150.053	ug/l	98
42) 1,2-Dichloroethane	8.40	62	542204	145.116	ug/l	100
43) Isopropyl Acetate	8.42	43	728880	154.174	ug/l	99
44) Trichloroethene	9.09	130	406530	146.672	ug/l	100
45) 1,2-Dichloropropane	9.37	63	462406	148.254	ug/l	99
46) Dibromomethane	9.46	93	217465	148.425	ug/l	99
47) Bromodichloromethane	9.64	83	569024	151.786	ug/l	100
48) Methyl methacrylate	9.43	41	364620	160.311	ug/l	100
49) 1,4-Dioxane	9.45	88	72140	2949.785	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1898571	768.778	ug/l	100
52) Toluene	10.38	92	1029457	147.341	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	628333	157.461	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	722906	153.911	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	305985	147.210	ug/l	98
56) Ethyl methacrylate	10.65	69	505763	159.821	ug/l	99
57) 1,3-Dichloropropane	10.93	76	588247	149.661	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1182579	806.073	ug/l	99
59) 2-Hexanone	10.97	43	1334312	779.085	ug/l	99
60) Dibromochloromethane	11.13	129	359451	157.704	ug/l	99
61) 1,2-Dibromoethane	11.23	107	298037	151.375	ug/l	100
64) Tetrachloroethene	10.86	164	335269	140.132	ug/l	98
65) Chlorobenzene	11.66	112	1043056	144.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	377112	148.576	ug/l	99
67) Ethyl Benzene	11.73	91	2014373	145.969	ug/l	99
68) m/p-Xylenes	11.84	106	1451043	290.592	ug/l	99
69) o-Xylene	12.16	106	689897	146.588	ug/l	100
70) Styrene	12.18	104	1214290	149.500	ug/l	100
71) Bromoform	12.35	173	209604	155.319	ug/l #	99
73) Isopropylbenzene	12.46	105	1858457	148.143	ug/l	99
74) N-amyl acetate	12.27	43	686080	157.030	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	382683	148.814	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	269589m	138.634	ug/l	
77) Bromobenzene	12.75	156	419391	148.967	ug/l	99
78) n-propylbenzene	12.80	91	2255646	145.962	ug/l	99
79) 2-Chlorotoluene	12.89	91	1303871	146.620	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1558813	146.262	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	138472	161.496	ug/l	96
82) 4-Chlorotoluene	12.99	91	1346152	145.334	ug/l	100
83) tert-Butylbenzene	13.21	119	1300664	146.333	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1560616	145.831	ug/l	100
85) sec-Butylbenzene	13.38	105	1846384	143.962	ug/l	99
86) p-Isopropyltoluene	13.50	119	1661977	144.477	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	784506	144.832	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	775564	142.188	ug/l	99
89) n-Butylbenzene	13.82	91	1659737	144.632	ug/l	99
90) Hexachloroethane	14.10	117	313241	149.014	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	697978	142.036	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	67341	147.634	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	501494	148.165	ug/l	97
94) Hexachlorobutadiene	15.24	225	284820	137.065	ug/l	99
95) Naphthalene	15.37	128	1025342	158.085	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	444703	148.870	ug/l	99

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

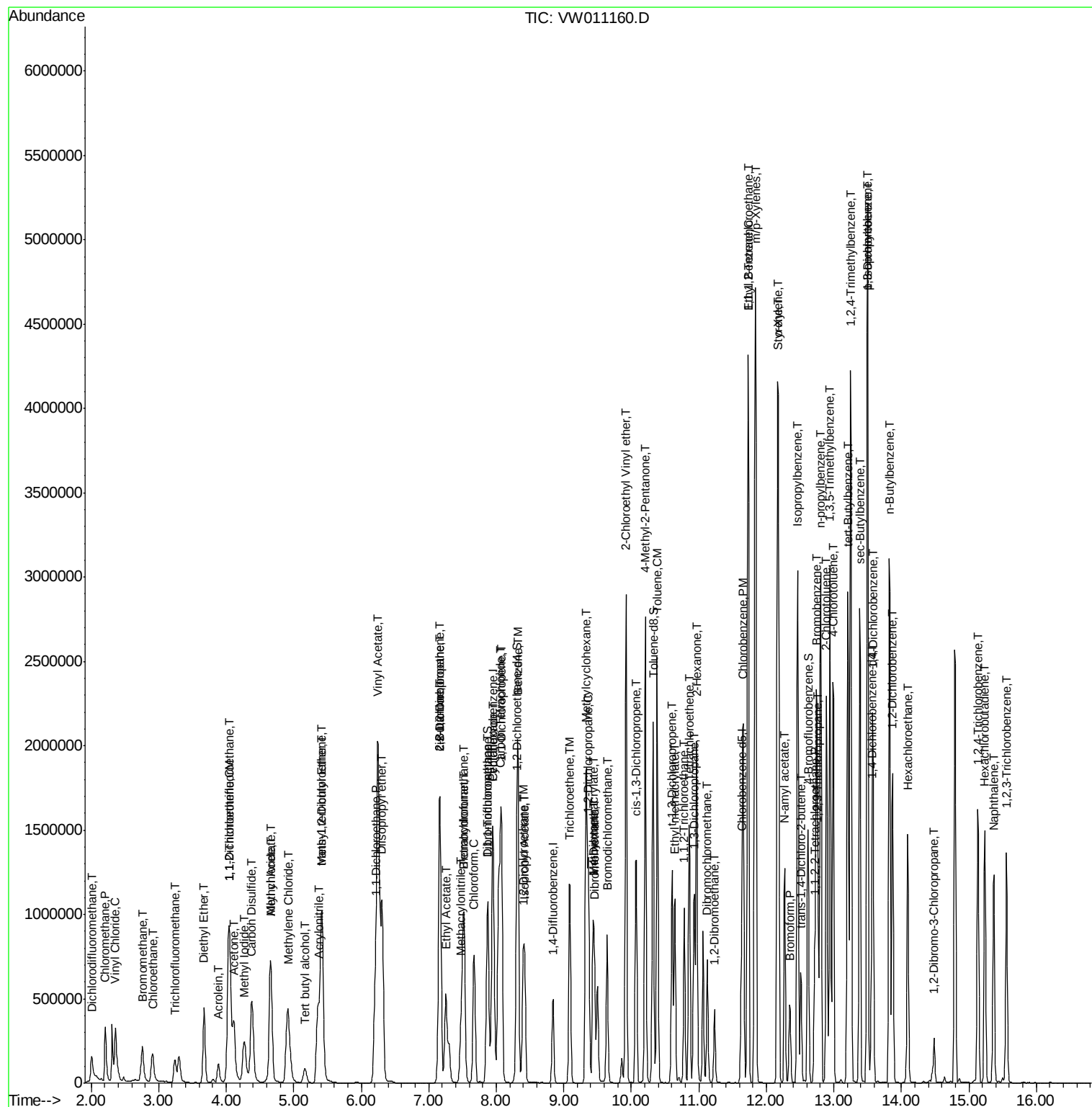
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070819\
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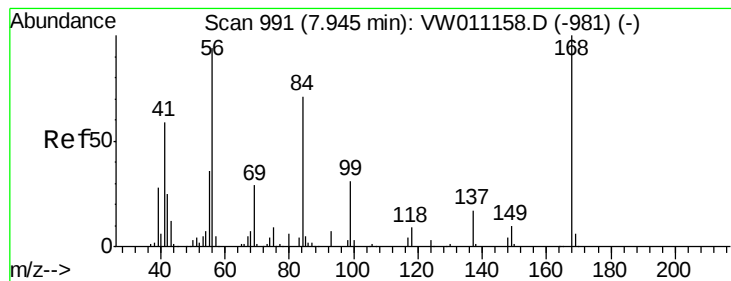
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDICC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 235307

Ion Ratio Lower Upper

168 100

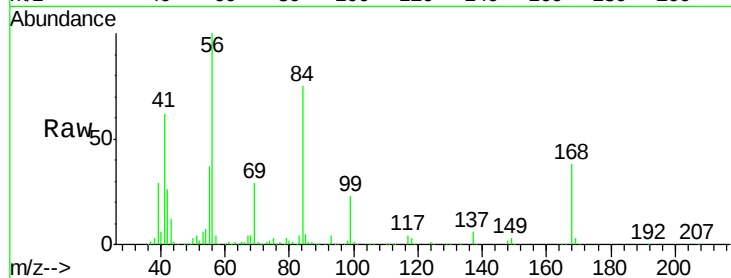
99 59.2 50.1 75.1

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

150000

100000

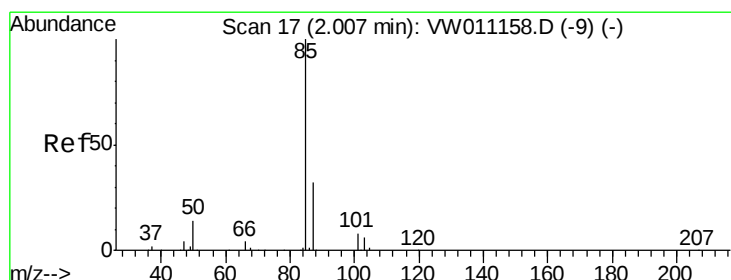
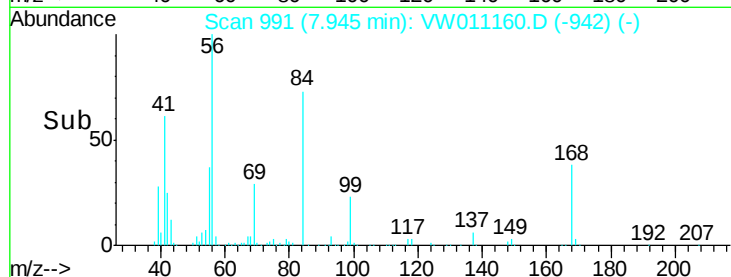
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 139.188 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011160.D

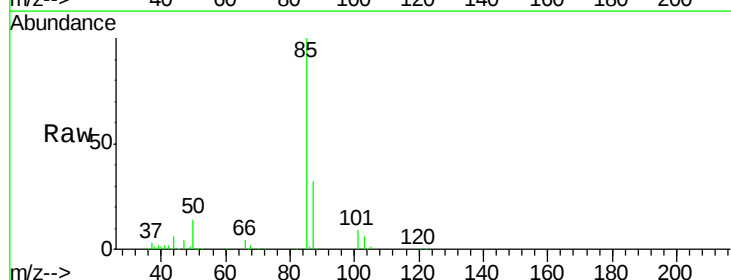
Acq: 08 Jul 2019 12:55

Tgt Ion: 85 Resp: 244266

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80000

60000

40000

20000

0

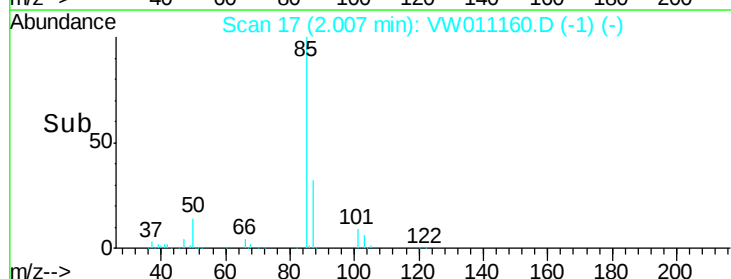
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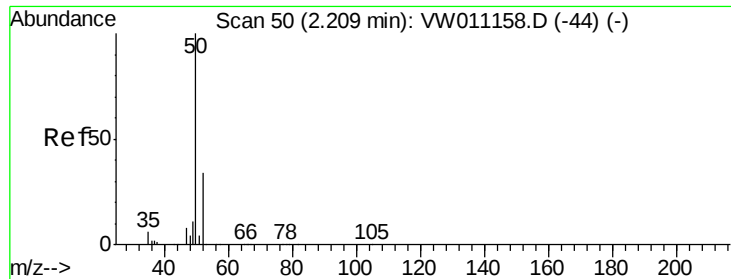
2.00

2.20

2.40

Time-->





#3

Chloromethane

Concen: 147.692 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 333981

Ion Ratio Lower Upper

50 100

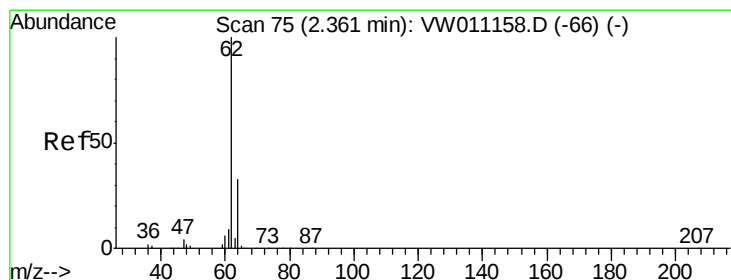
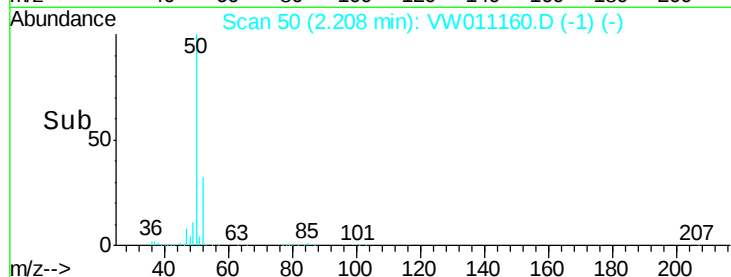
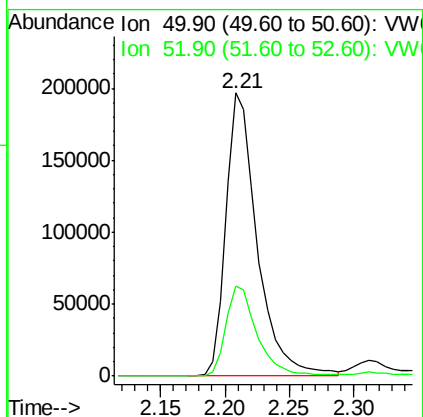
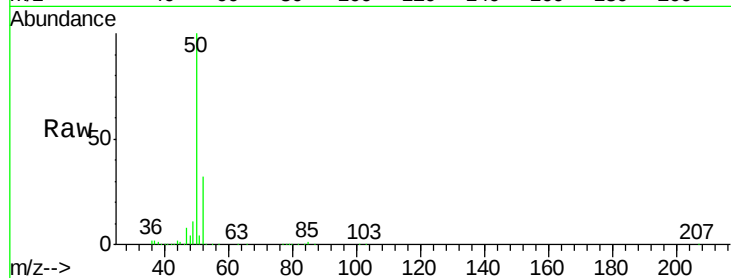
52 31.7 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 135.694 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011160.D

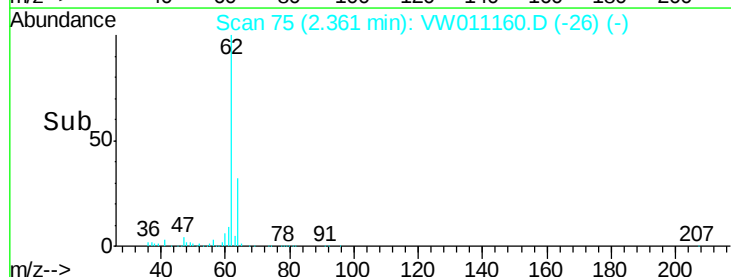
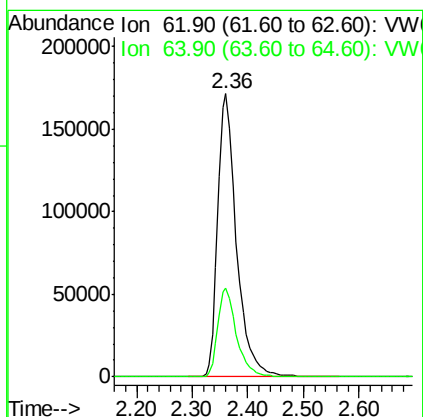
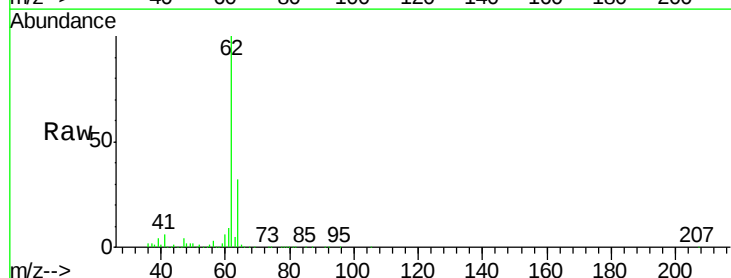
Acq: 08 Jul 2019 12:55

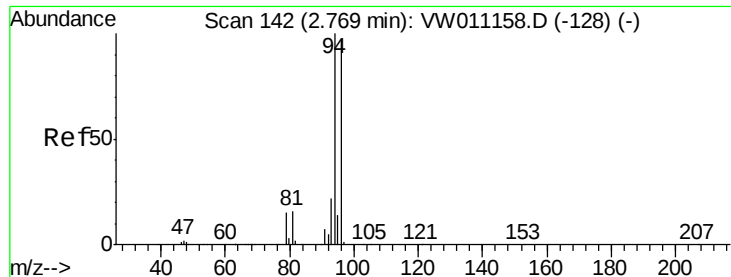
Tgt Ion: 62 Resp: 401623

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 137.035 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 203807

Ion Ratio Lower Upper

94 100

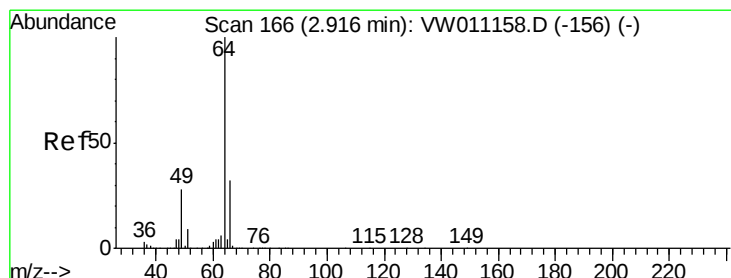
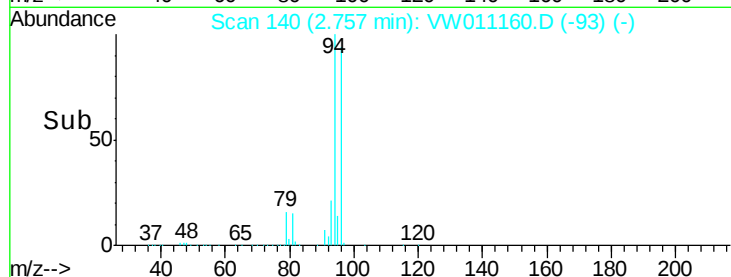
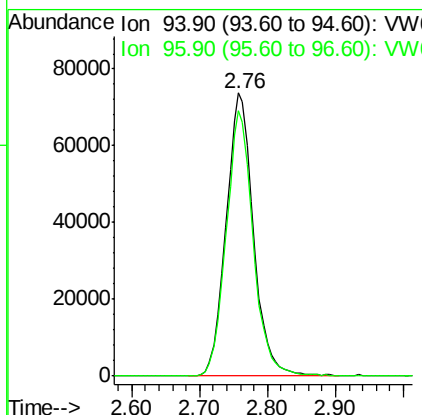
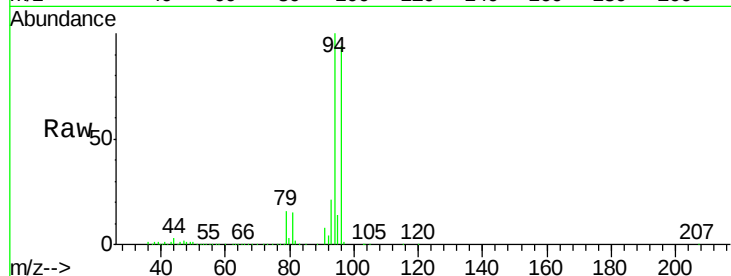
96 94.1 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 144.196 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011160.D

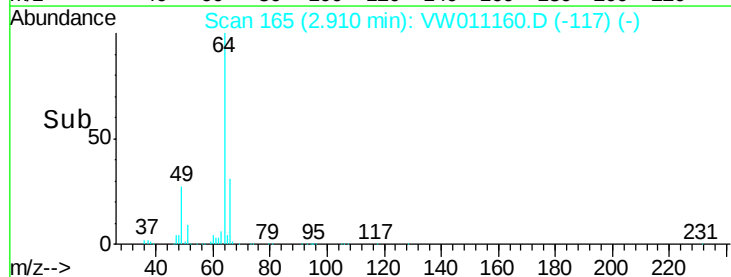
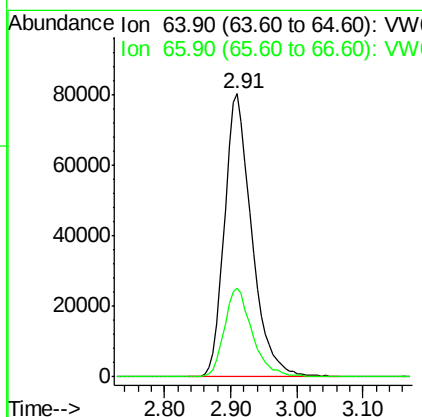
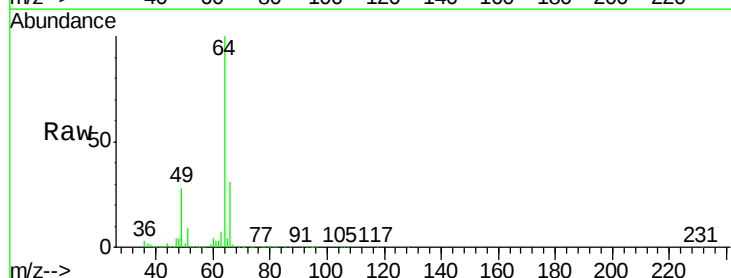
Acq: 08 Jul 2019 12:55

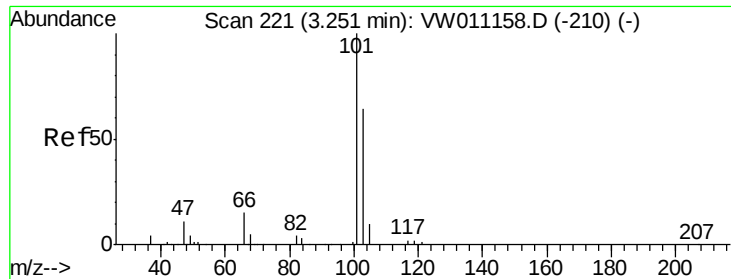
Tgt Ion: 64 Resp: 229876

Ion Ratio Lower Upper

64 100

66 31.2 25.8 38.8





#7

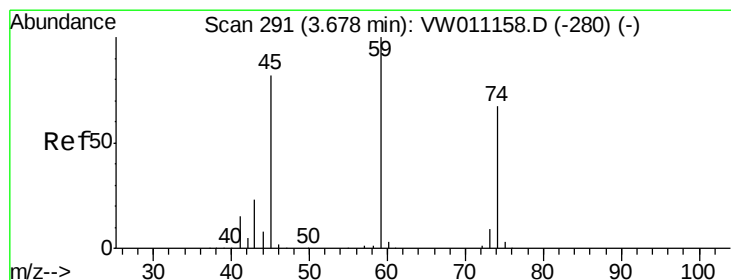
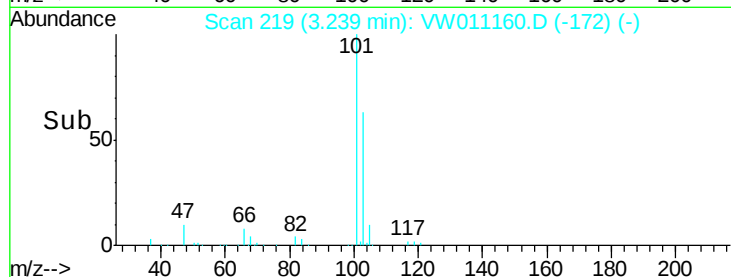
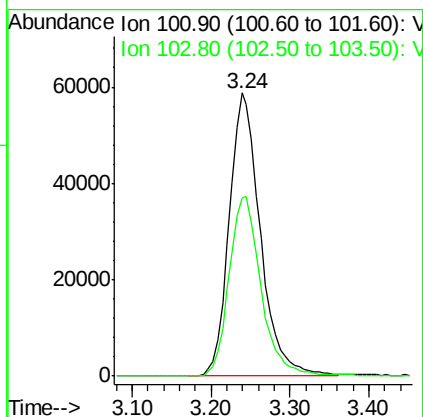
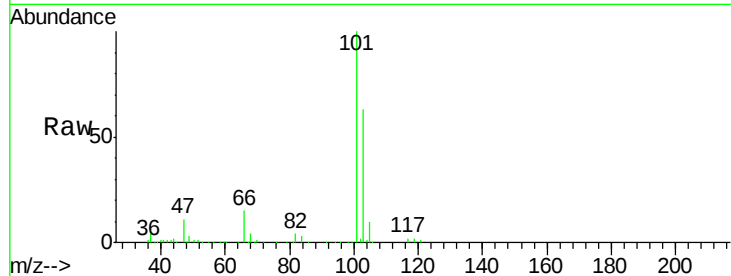
Trichlorofluoromethane
 Concen: 153.607 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011160.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	161511		
103	63.2	51.3	76.9	

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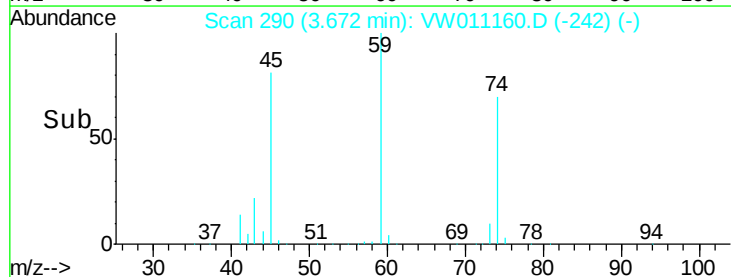
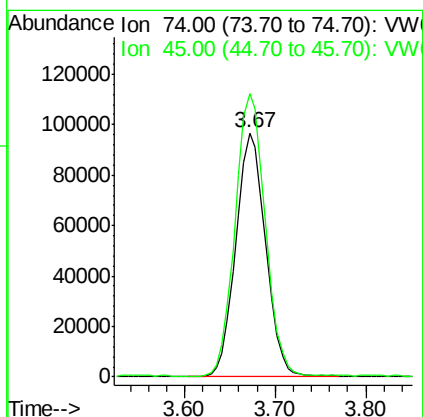
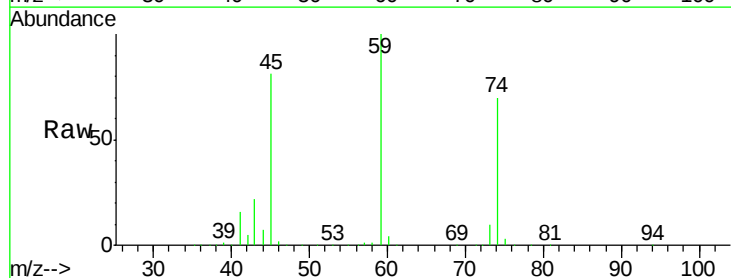
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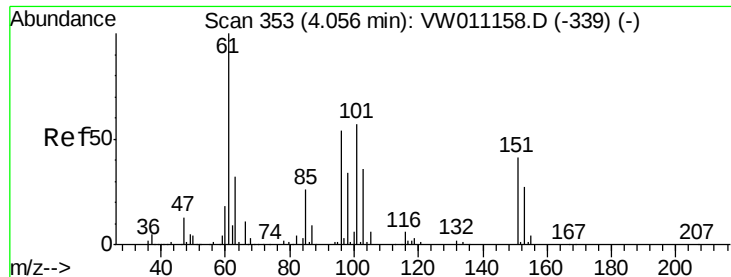


#8

Diethyl Ether
 Concen: 151.499 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	220408		
45	117.2	59.9	179.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.379 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

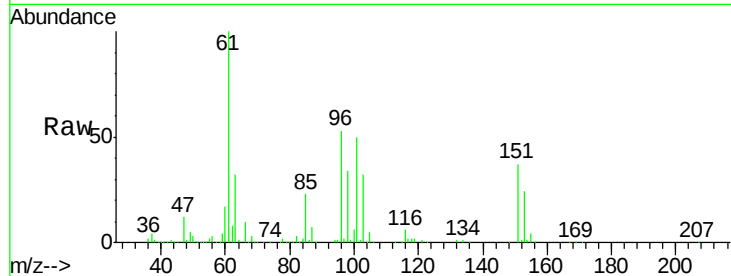
ClientSampleId :

VSTDIC150

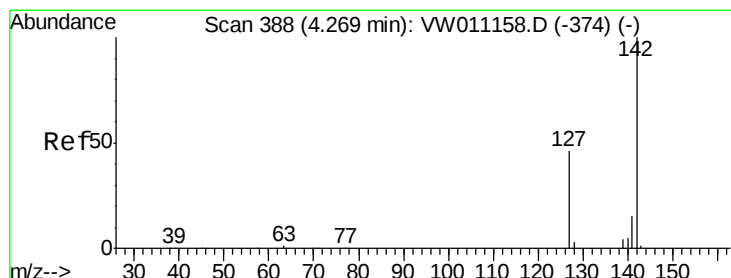
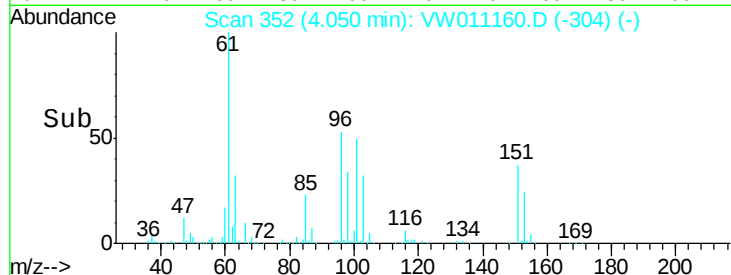
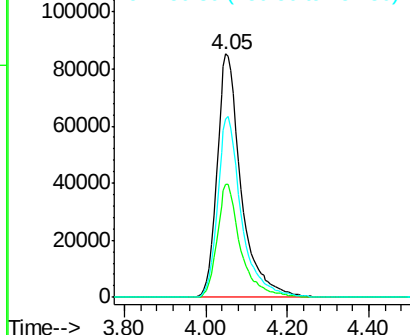
Tot Ion:	101	Resp:	353551
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.5	54.7
151	73.6	59.1	88.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 148.464 ug/l

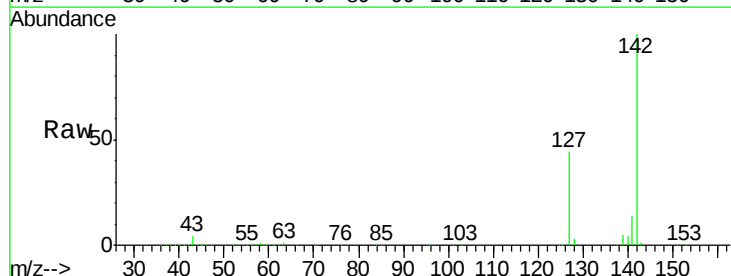
RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

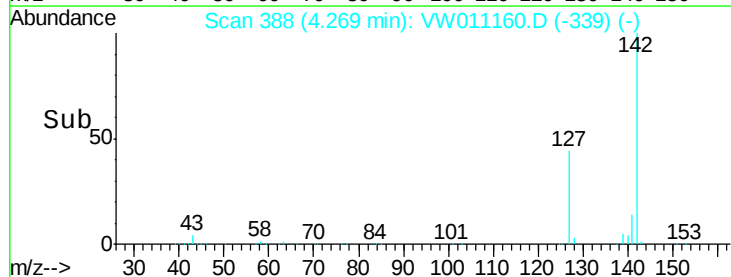
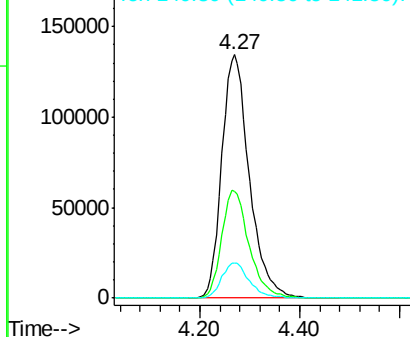
Lab File: VW011160.D

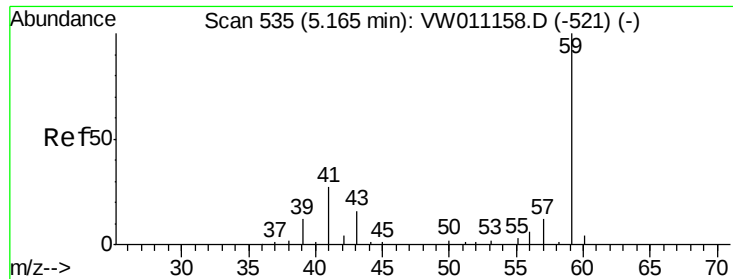
Acq: 08 Jul 2019 12:55

Tgt Ion:	142	Resp:	514270
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.7	53.5
141	14.5	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





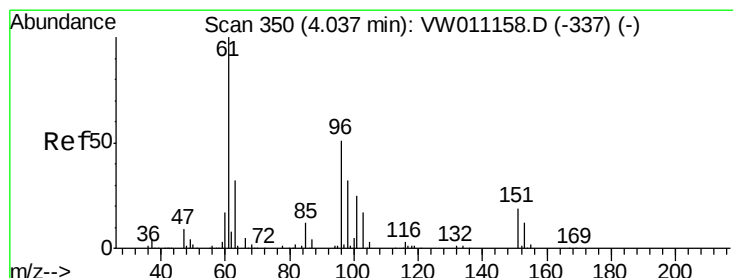
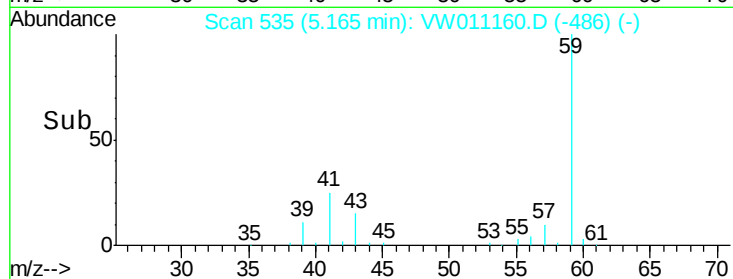
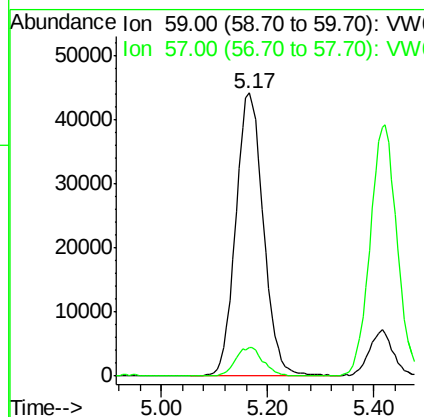
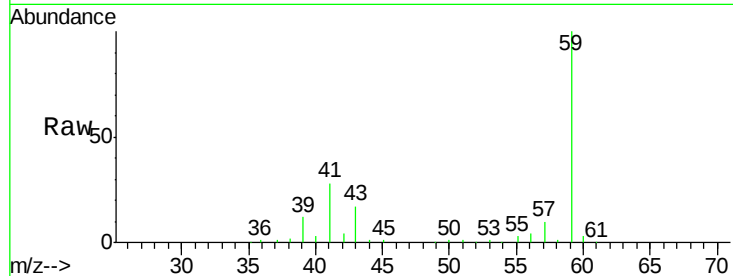
#11
Tert butyl alcohol
Concen: 730.830 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	159983		
57	10.3		9.0	13.6

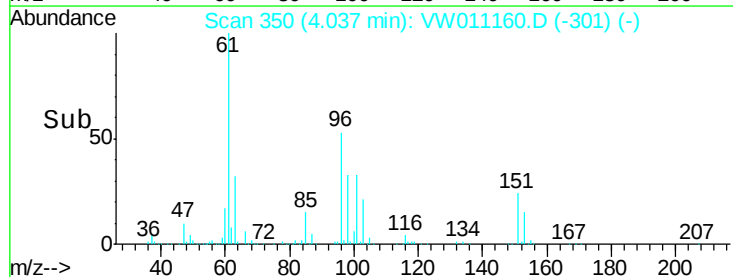
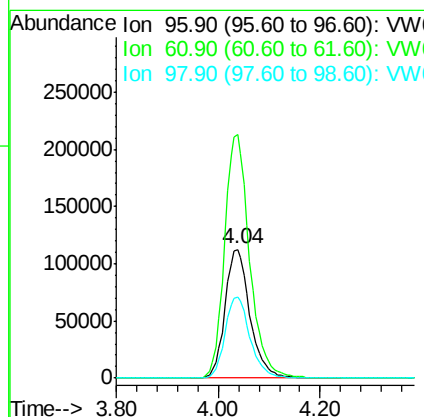
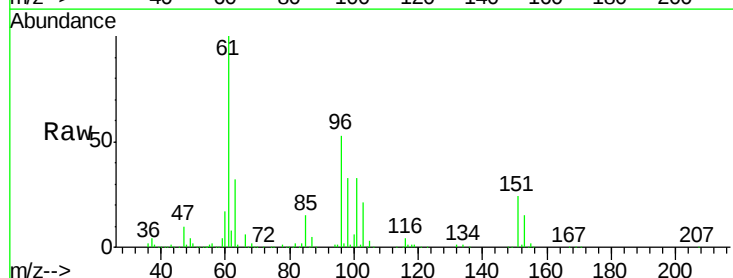
Manual Integrations
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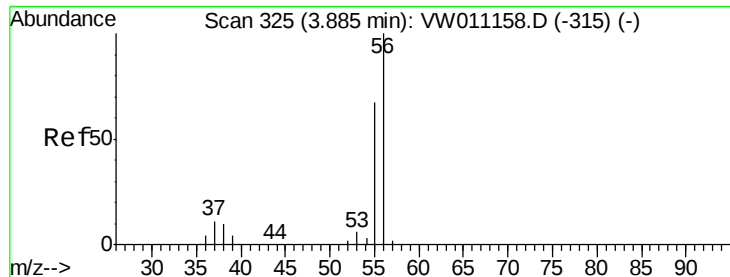
MMDadoda
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#12
1,1-Dichloroethene
Concen: 145.786 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	381089		
61	189.5		157.7	236.5
98	63.1		50.9	76.3





#13

Acrolein

Concen: 789.149 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 137559

Ion Ratio Lower Upper

56 100

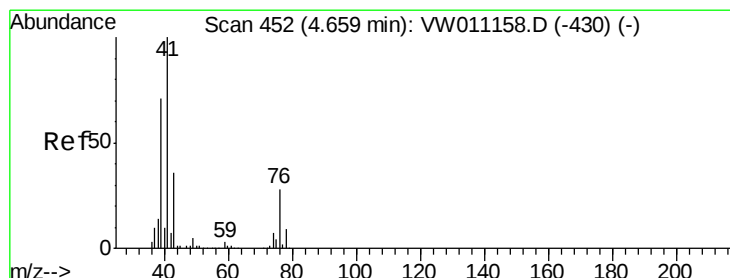
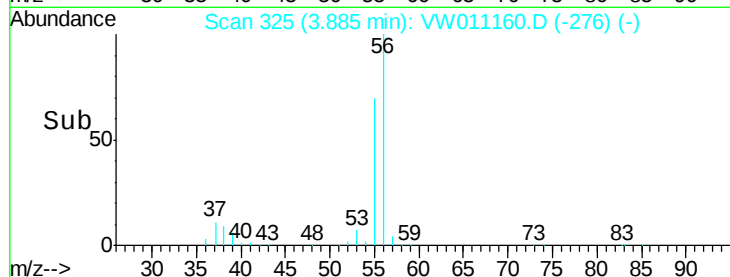
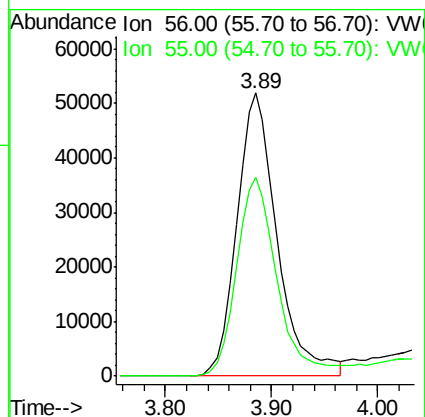
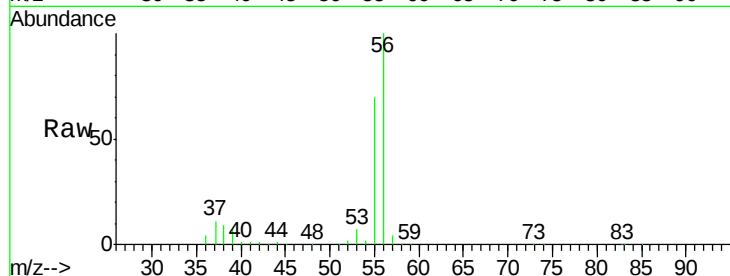
55 70.0 56.4 84.6

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#14

Allyl chloride

Concen: 143.582 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

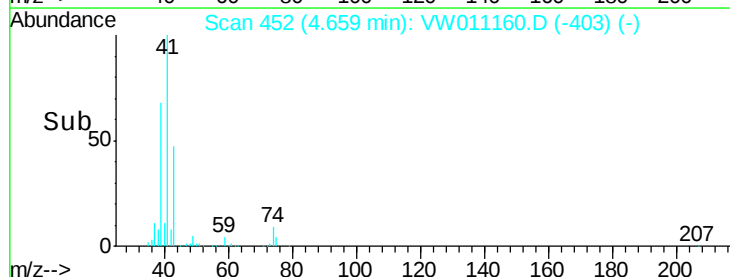
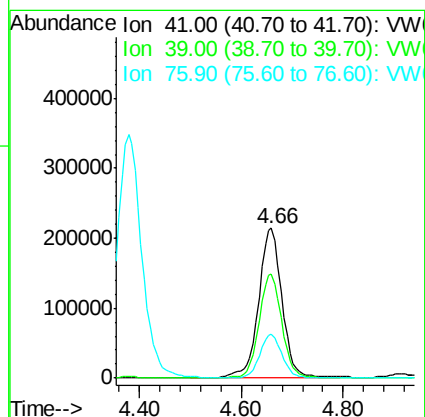
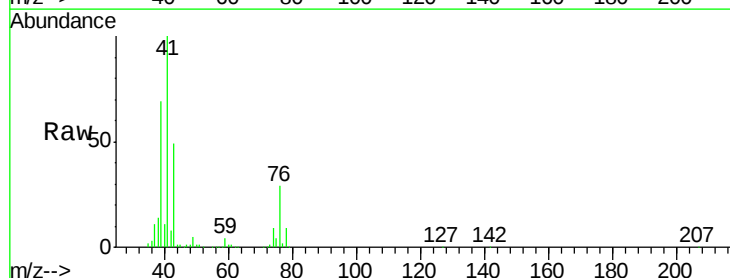
Tgt Ion: 41 Resp: 684423

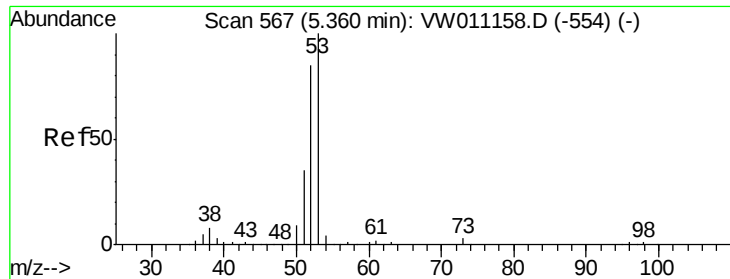
Ion Ratio Lower Upper

41 100

39 67.4 55.1 82.7

76 27.4 22.5 33.7





#15

Acrylonitrile

Concen: 748.595 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

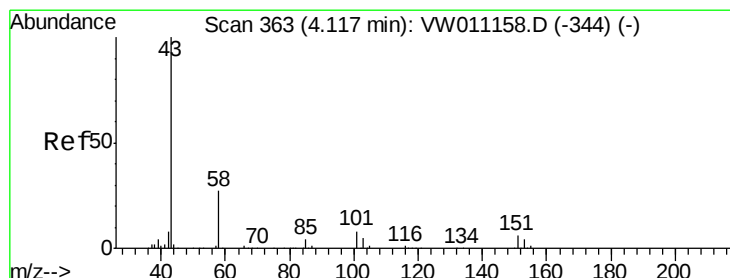
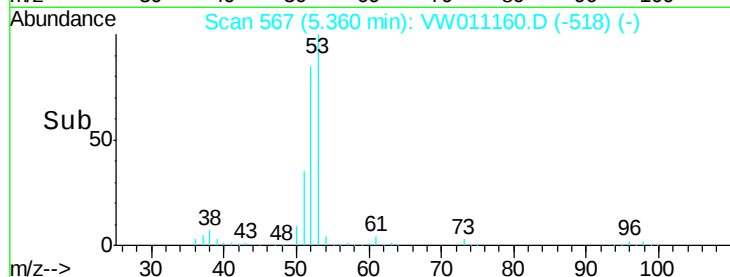
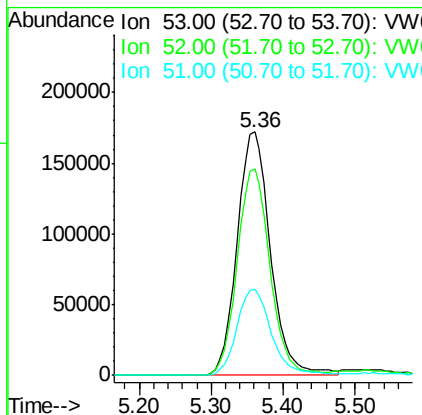
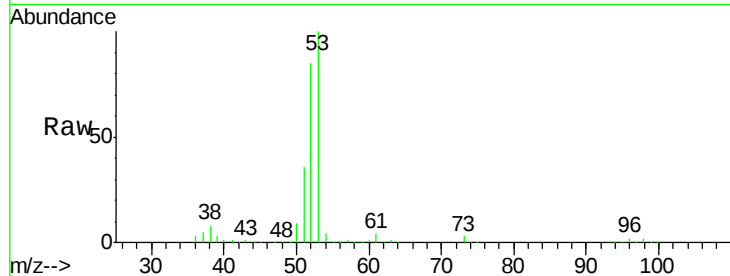
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	554663
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.4
51	36.6	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 714.255 ug/l

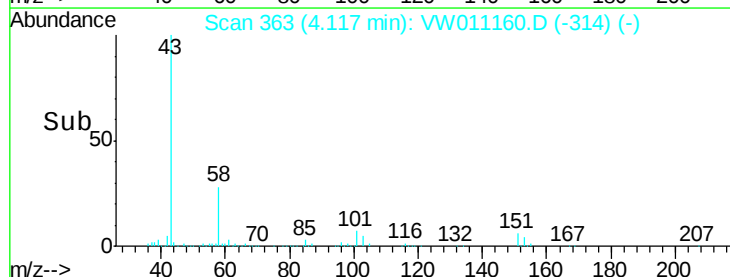
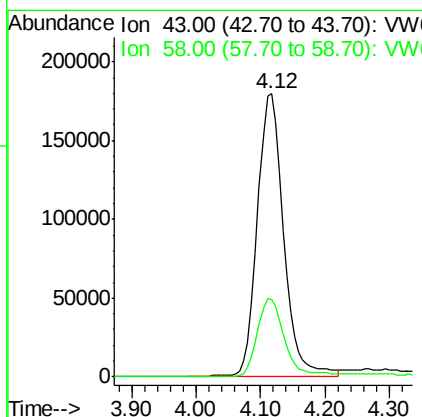
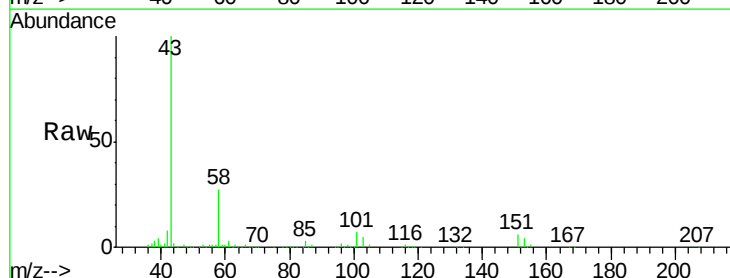
RT: 4.12 min Scan# 363

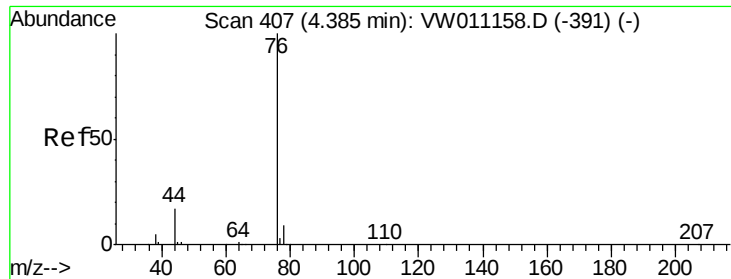
Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Tgt Ion:	43	Resp:	508136
Ion Ratio	Lower	Upper	
43	100		
58	27.3	21.8	32.6





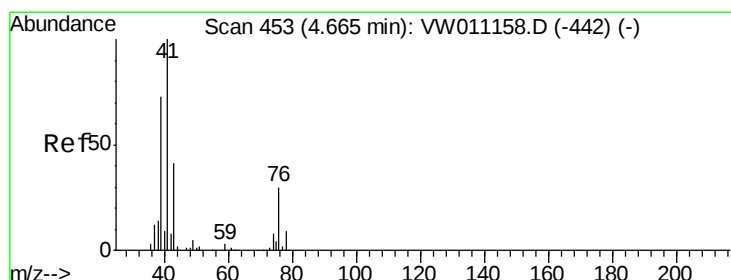
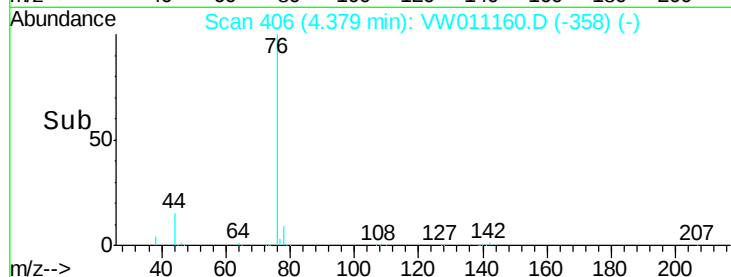
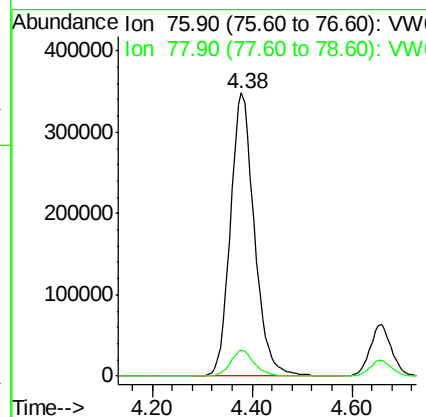
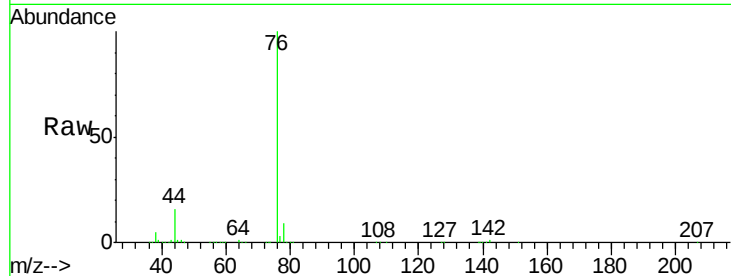
#17
Carbon Disulfide
Concen: 146.735 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1162856
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

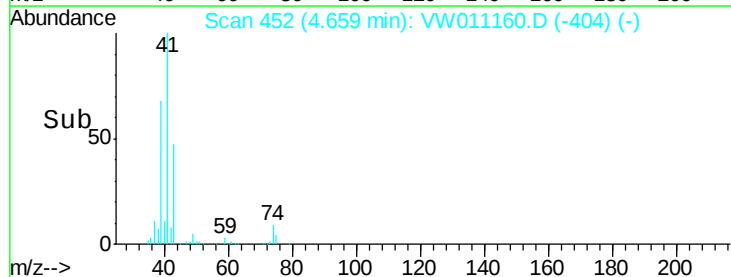
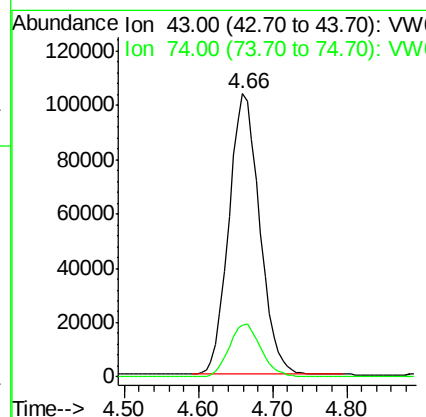
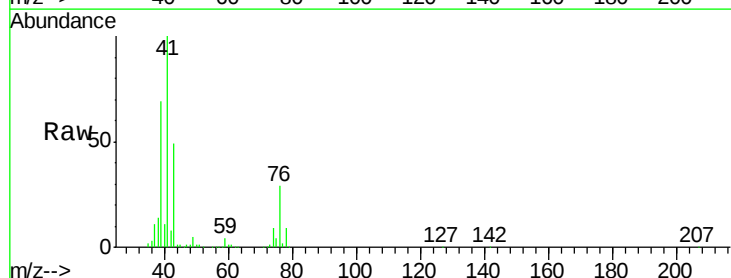
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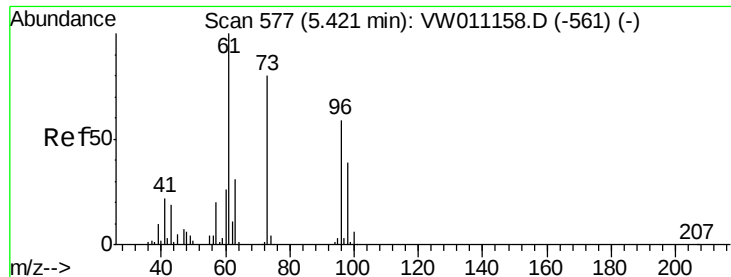
MMDadoda
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#18
Methyl Acetate
Concen: 134.560 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion: 43 Resp: 299372
Ion Ratio Lower Upper
43 100
74 19.6 15.7 23.5





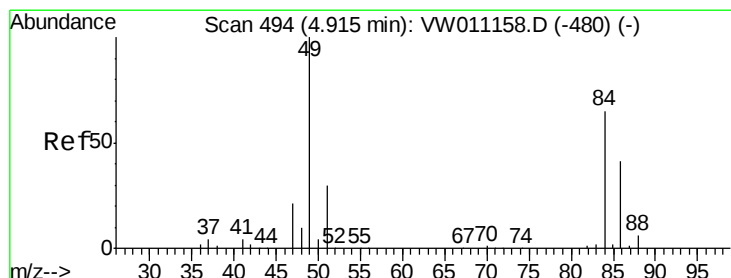
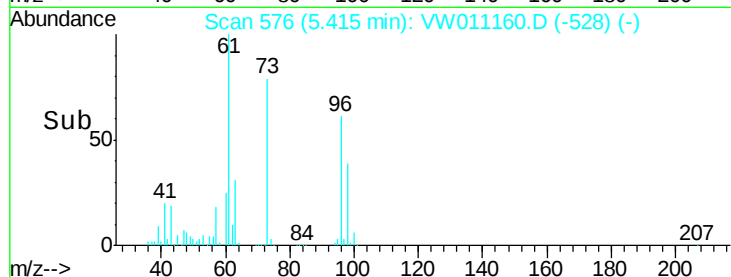
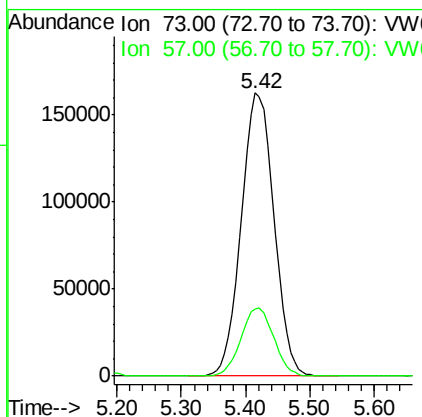
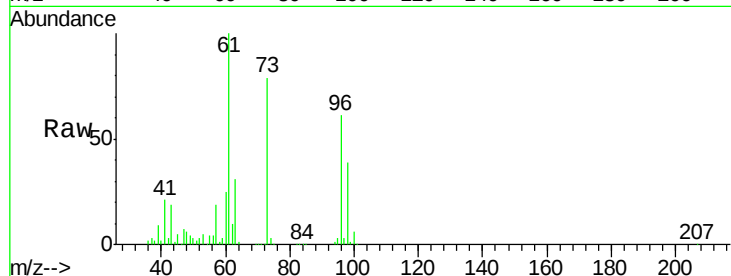
#19
Methvl tert-butvl Ether
Concen: 143.318 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 568448
Ion Ratio Lower Upper
73 100
57 23.9 19.7 29.5

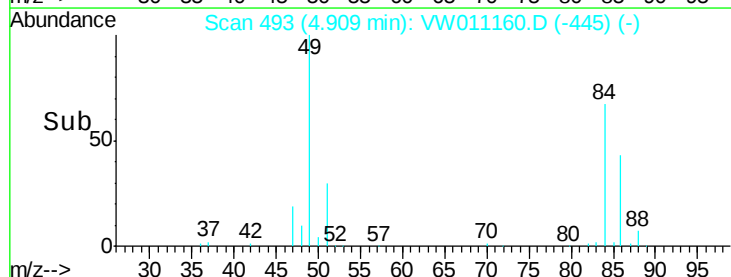
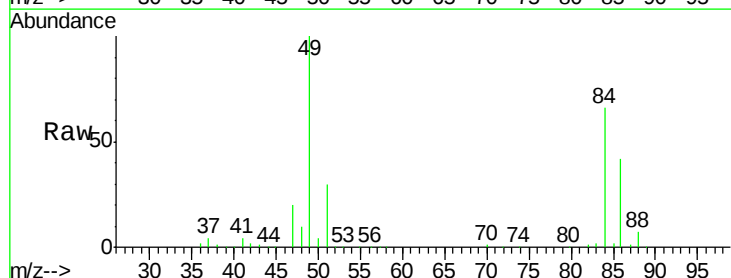
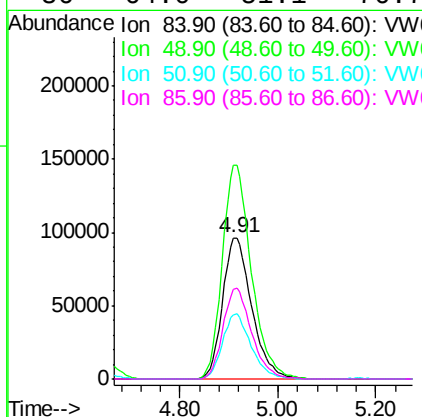
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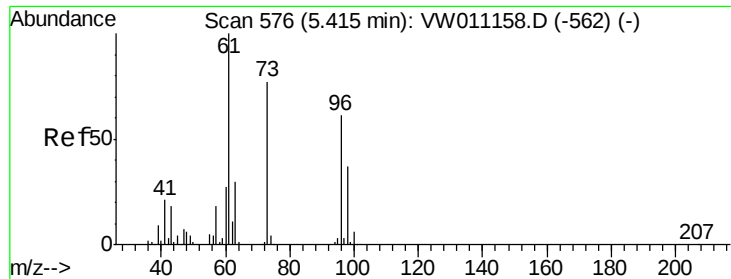
MMDadoda
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#20
Methylene Chloride
Concen: 141.620 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion: 84 Resp: 397457
Ion Ratio Lower Upper
84 100
49 151.4 123.8 185.6
51 45.2 37.4 56.2
86 64.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 147.398 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

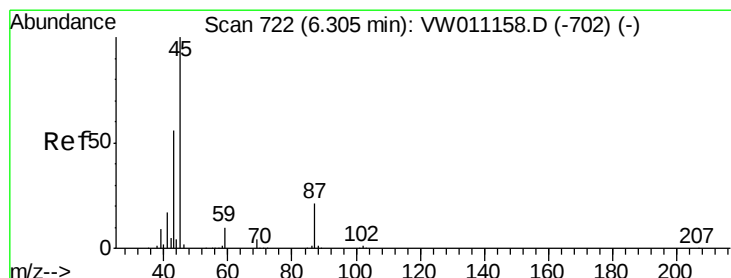
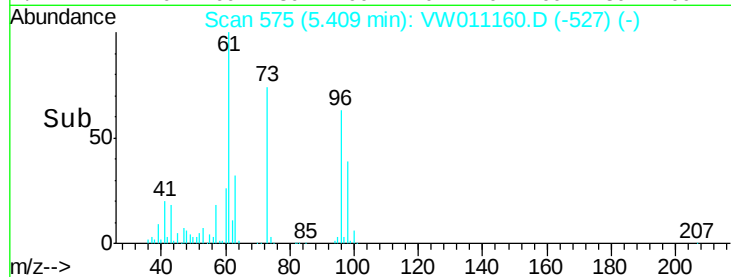
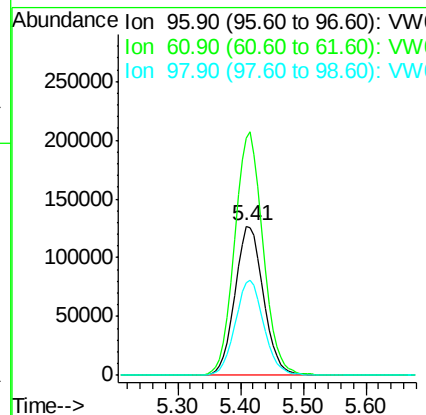
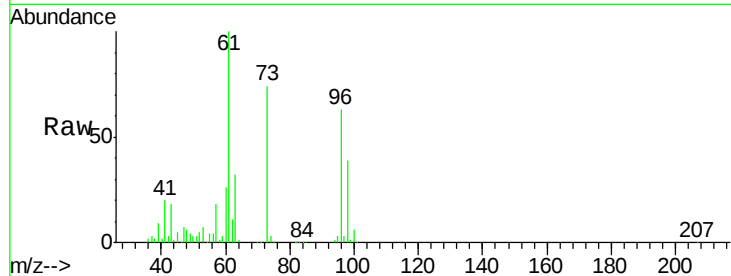
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	400363
Ion	Ratio	Lower	Upper
96	100		
61	159.4	132.2	198.2
98	62.0	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 146.555 ug/l

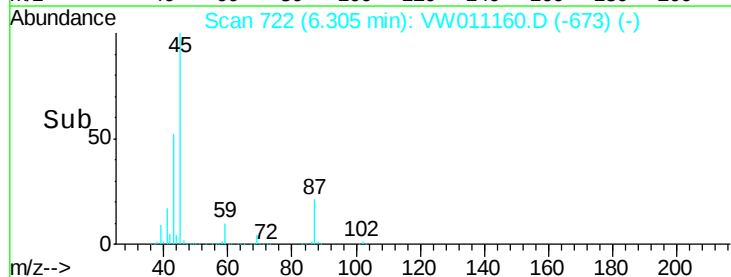
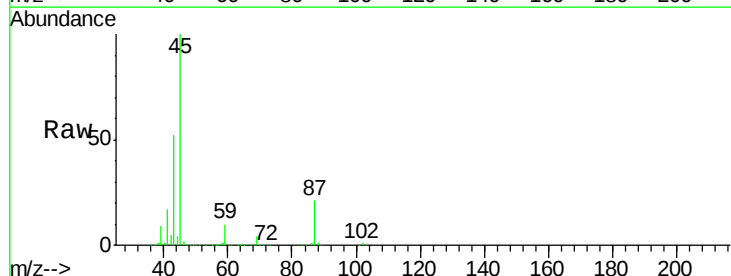
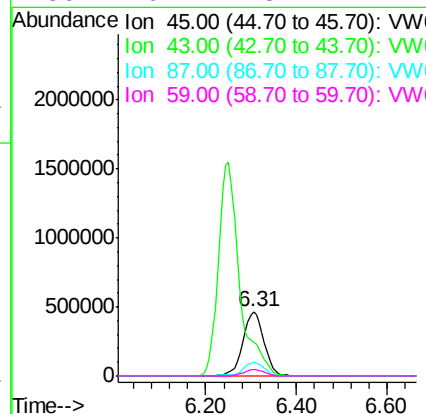
RT: 6.31 min Scan# 722

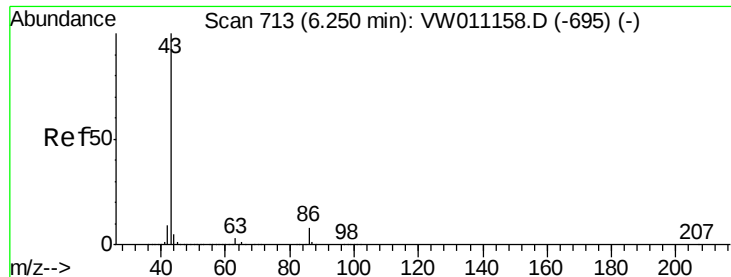
Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Tgt Ion:	45	Resp:	1502552
Ion	Ratio	Lower	Upper
45	100		
43	52.0	44.6	66.8
87	21.1	17.3	25.9
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 796.625 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Tot Ion: 43 Resp: 5054554

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

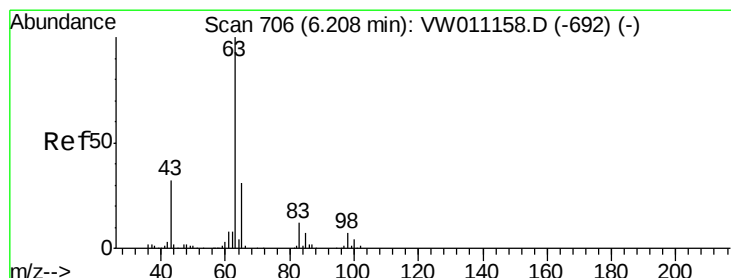
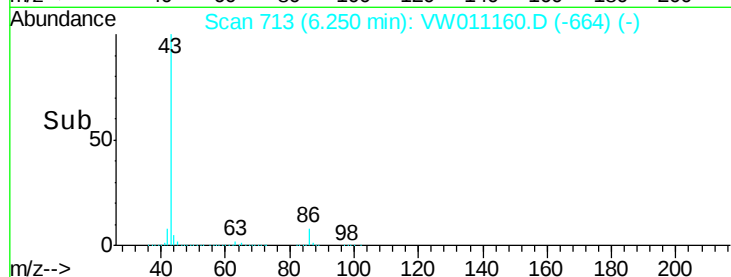
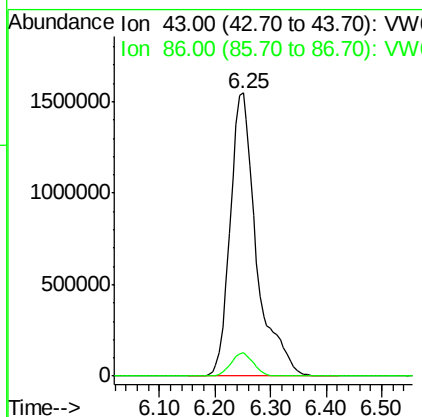
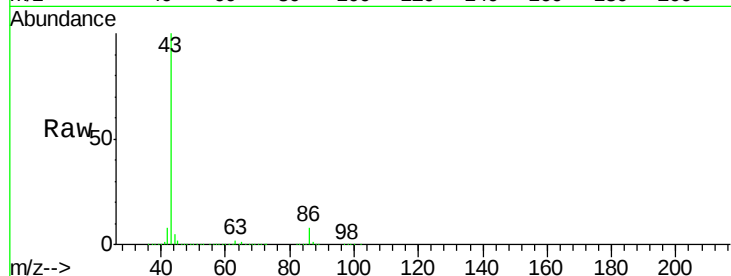
VSTDIC150

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 148.691 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

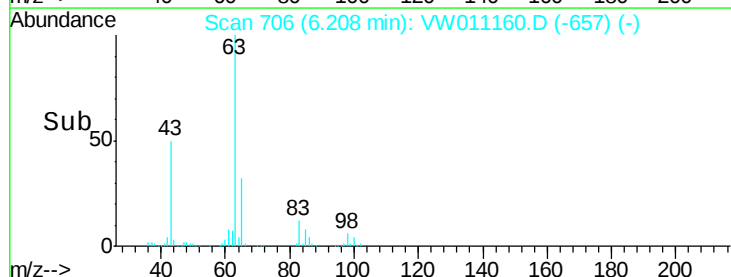
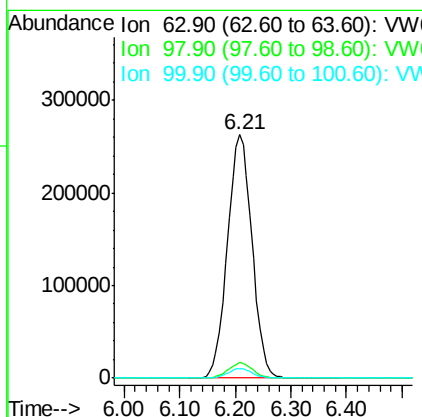
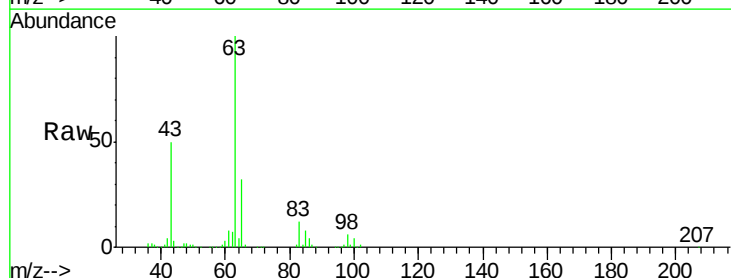
Tgt Ion: 63 Resp: 800509

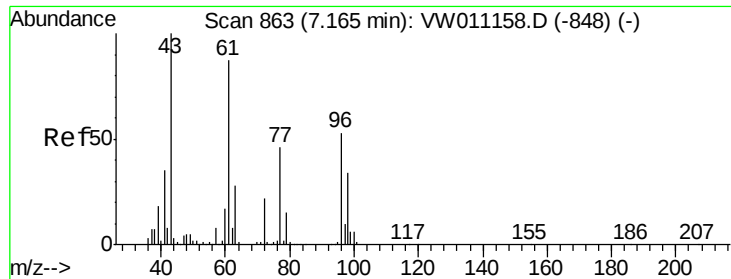
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 765.968 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 855389

Ion Ratio Lower Upper

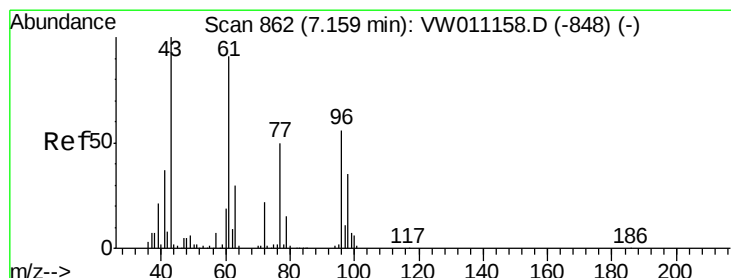
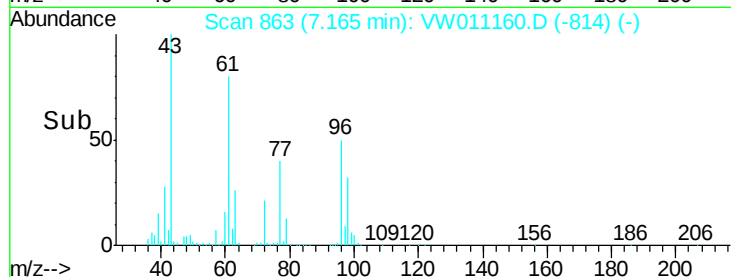
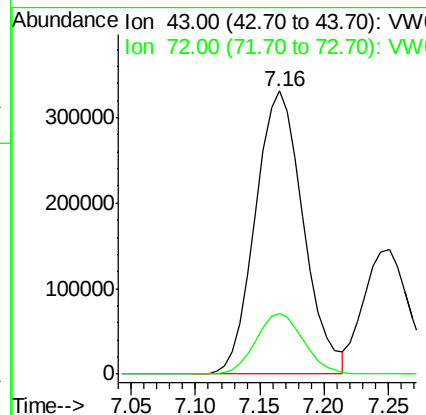
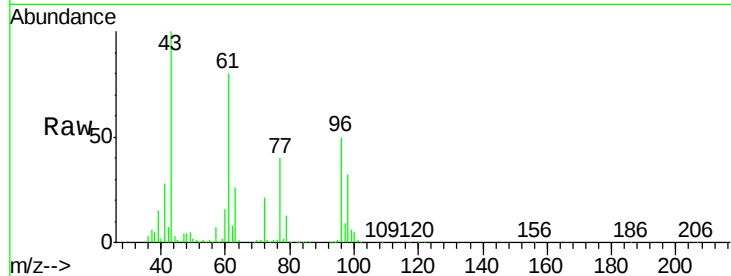
43 100

72 21.4 17.6 26.4

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#26

2,2-Dichloropropane

Concen: 138.428 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW011160.D

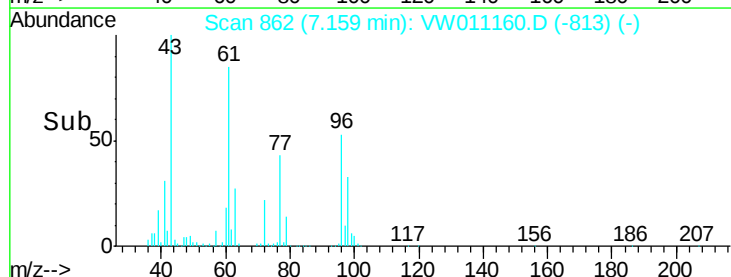
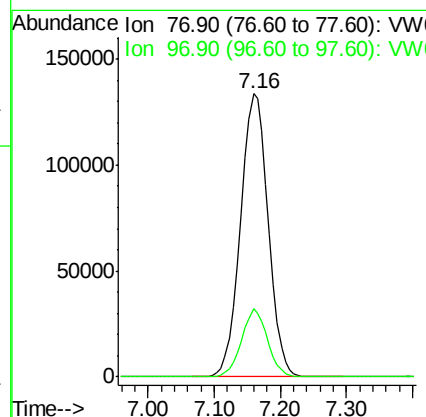
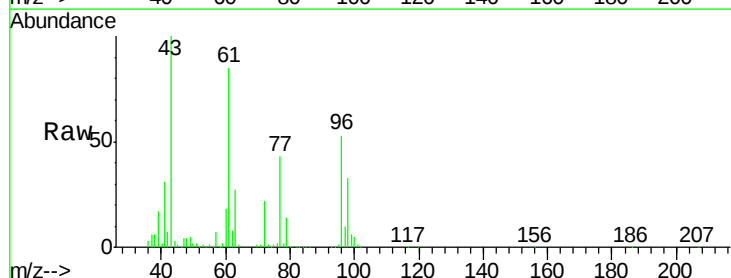
Acq: 08 Jul 2019 12:55

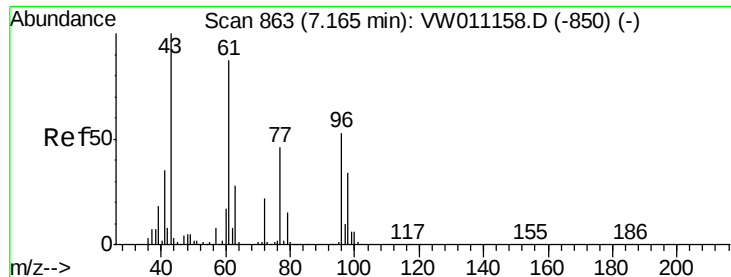
Tgt Ion: 77 Resp: 387393

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





#27

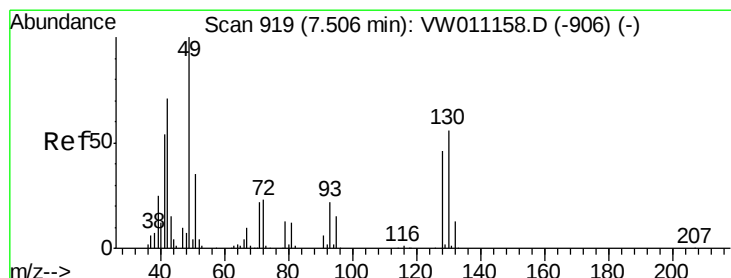
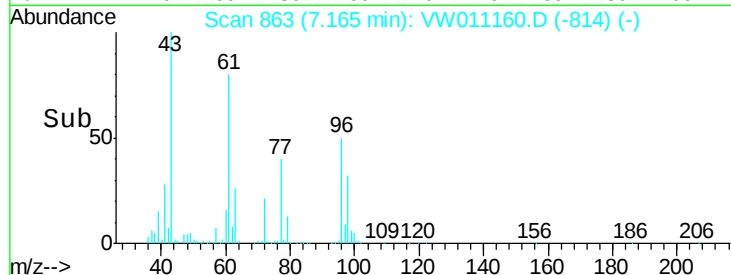
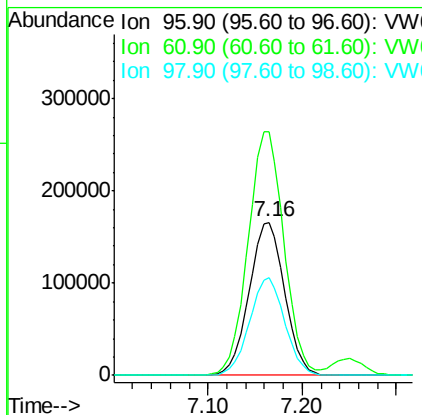
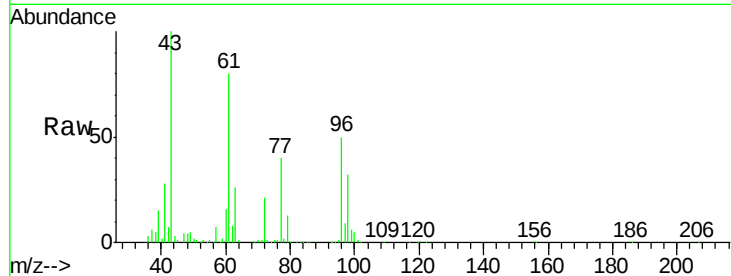
cis-1,2-Dichloroethene
Concen: 149.478 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	325.6
98	63.6	0.0	128.2

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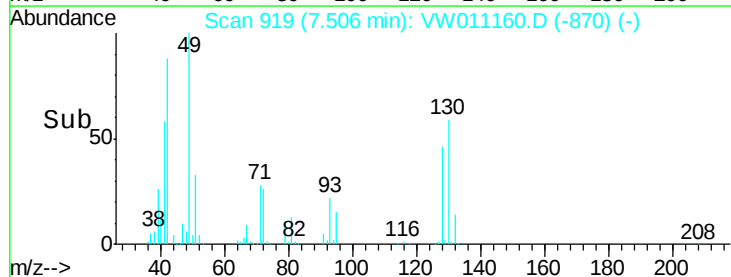
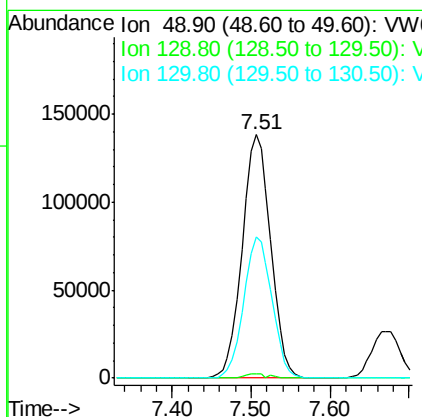
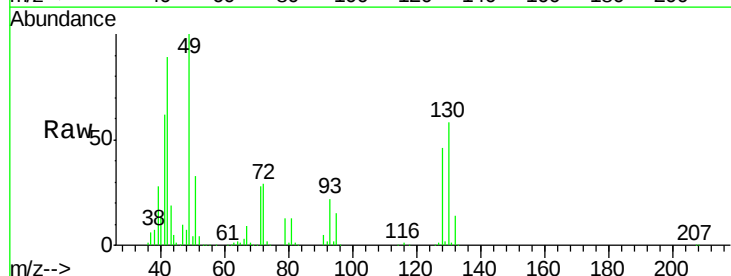
MMDadoda
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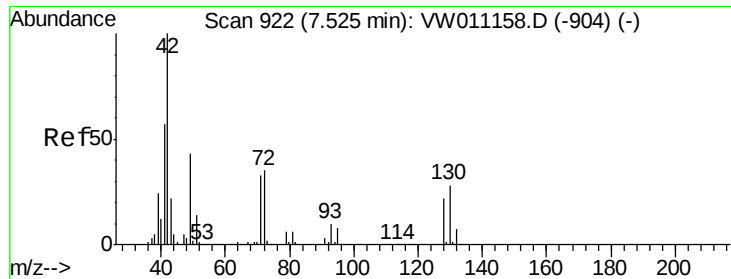


#28

Bromochloromethane
Concen: 141.503 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.4#
130	57.4	45.8	68.8





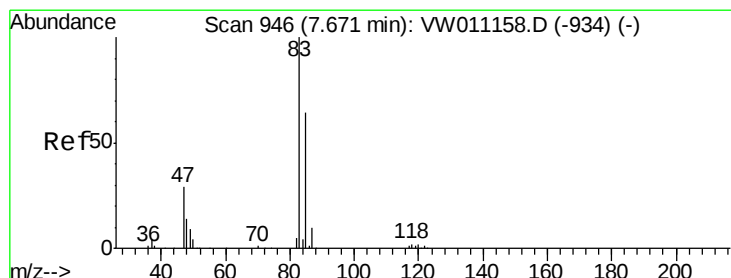
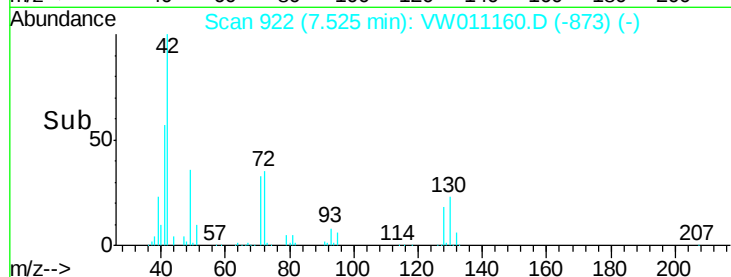
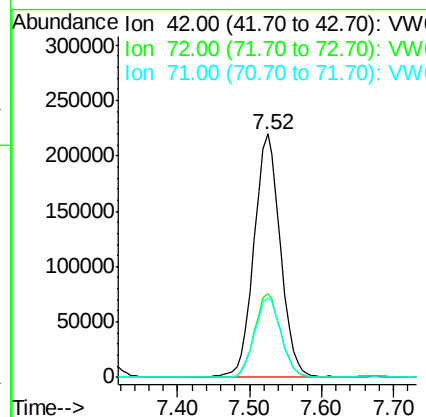
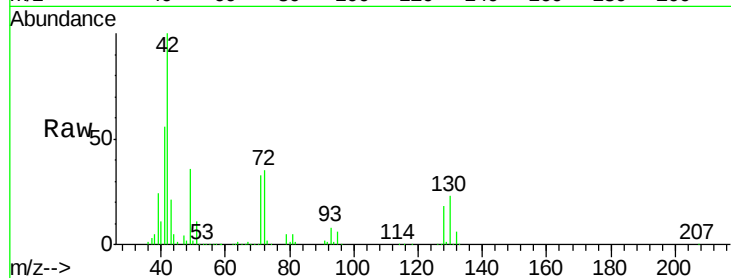
#29
Tetrahydrofuran
Concen: 763.968 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.4	41.2
71	32.6	25.9	38.9

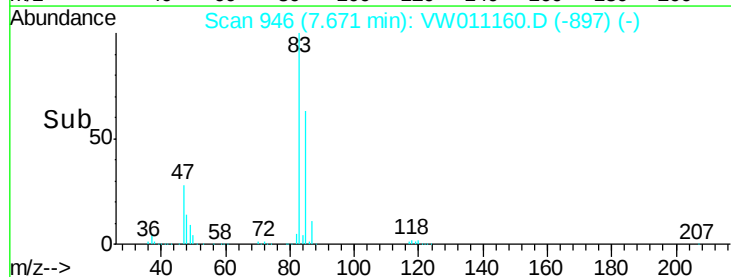
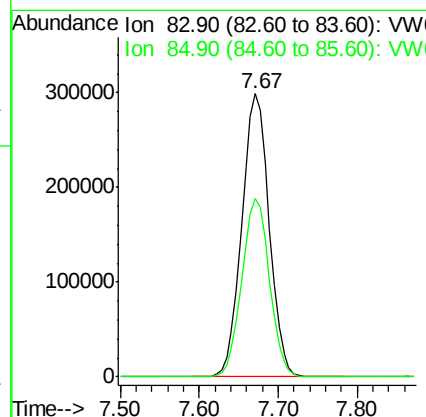
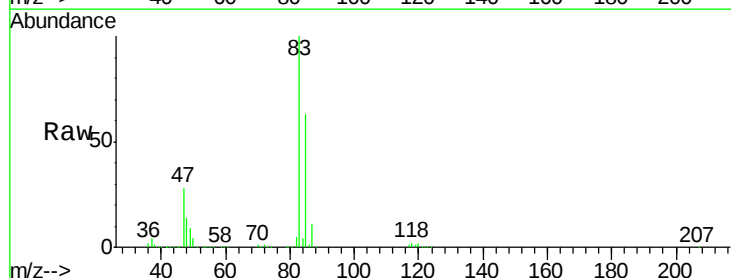
Manual Integrations
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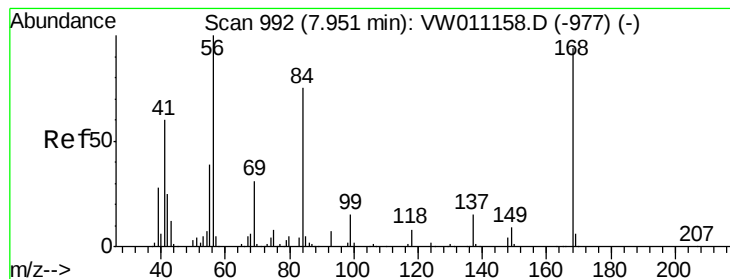
MMDadoda
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#30
Chloroform
Concen: 144.205 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.2





#31

Cyclohexane

Concen: 136.192 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 780039

Ion Ratio Lower Upper

56 100

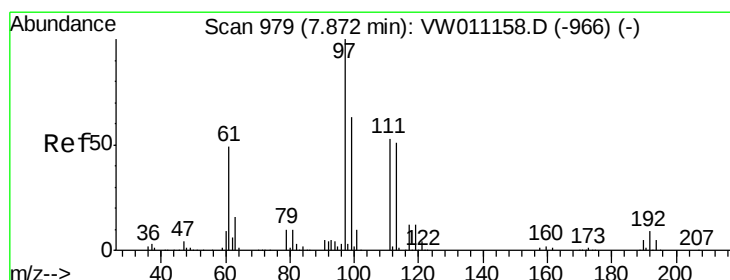
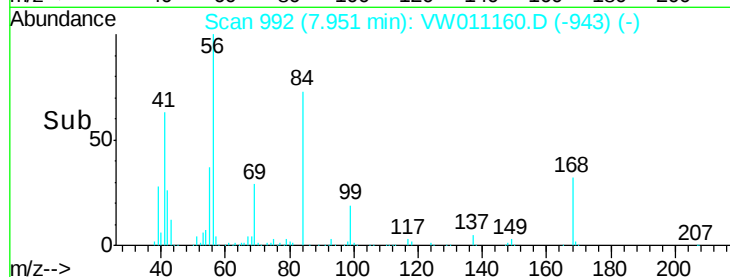
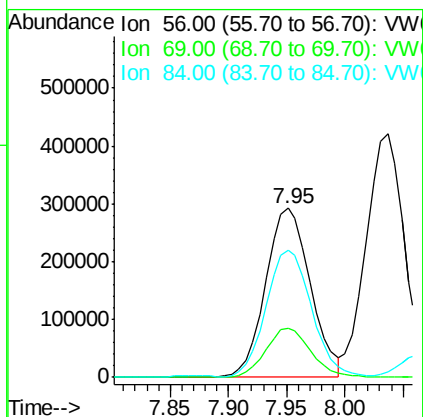
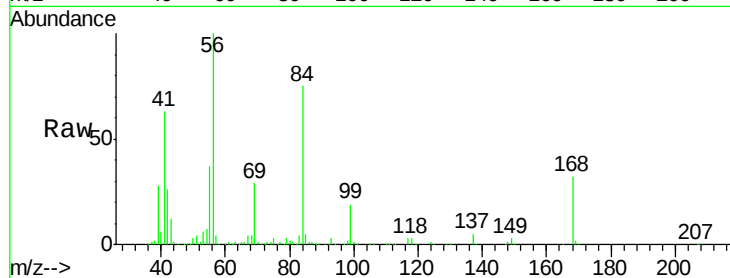
69 28.9 24.6 36.8

84 73.8 60.1 90.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 144.205 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

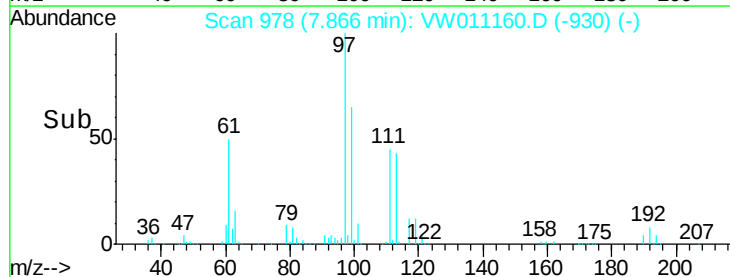
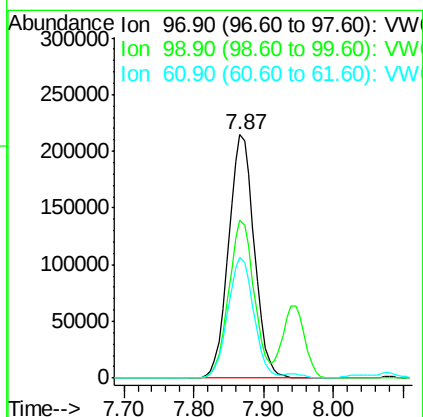
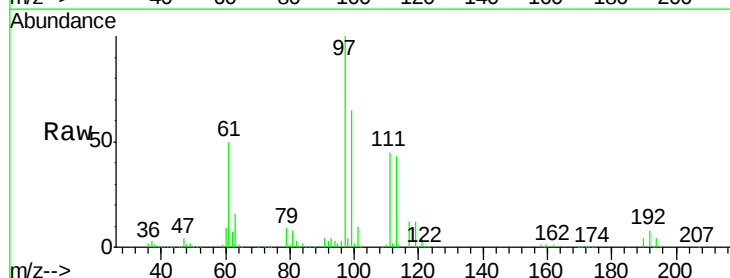
Tgt Ion: 97 Resp: 546931

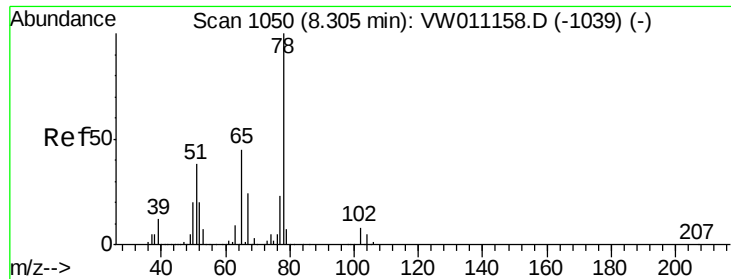
Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

61 50.1 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 143.486 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 424248

Ion Ratio Lower Upper

65 100

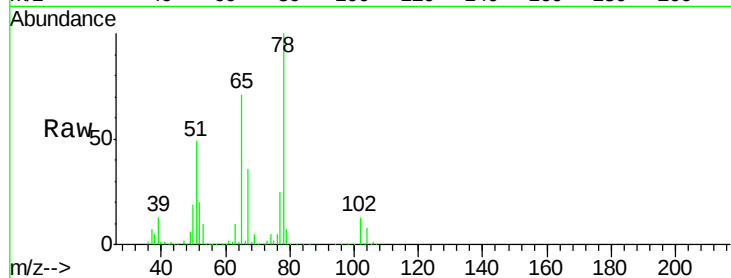
67 52.1 0.0 104.4

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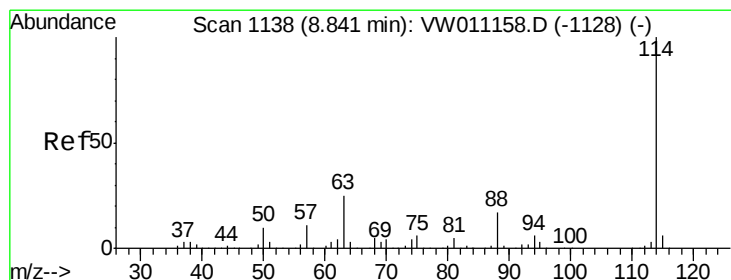
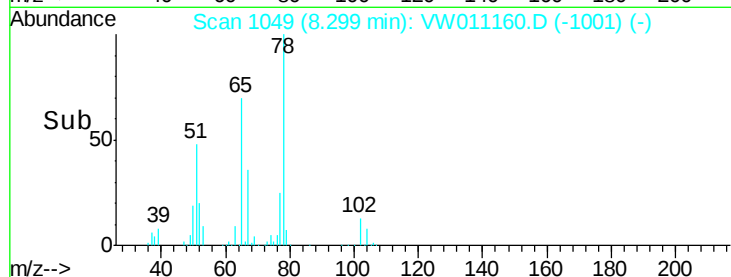
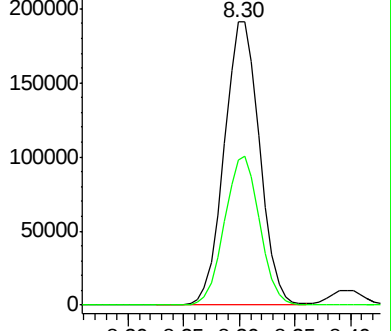
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

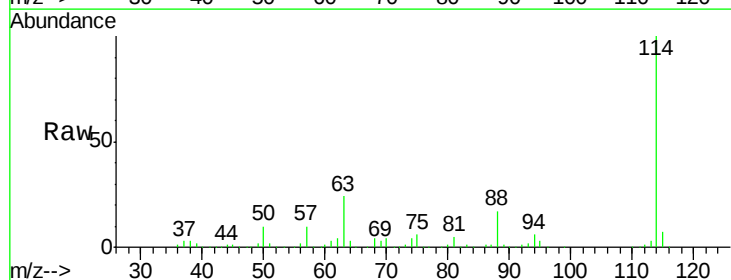
Tgt Ion: 114 Resp: 391368

Ion Ratio Lower Upper

114 100

63 24.0 0.0 50.8

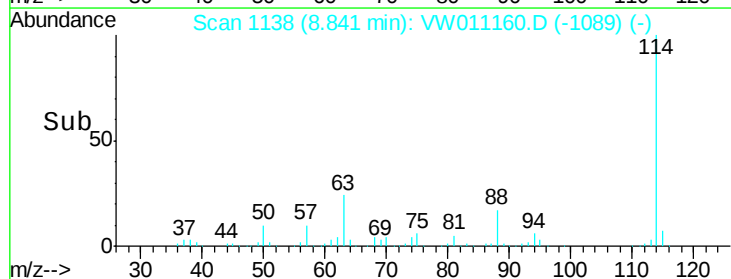
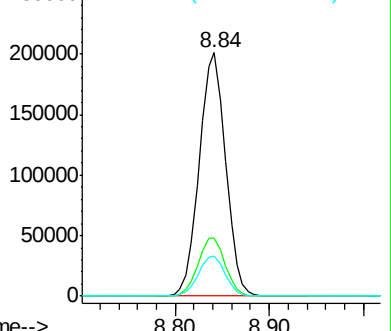
88 16.7 0.0 34.2

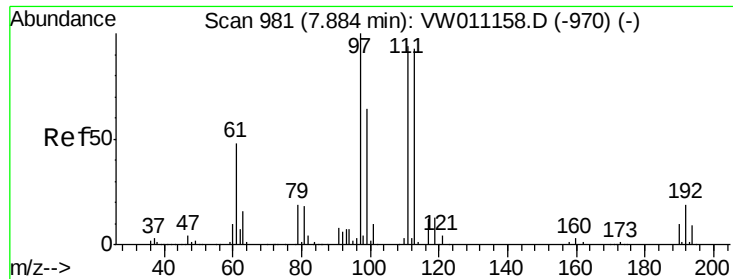


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 143.668 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

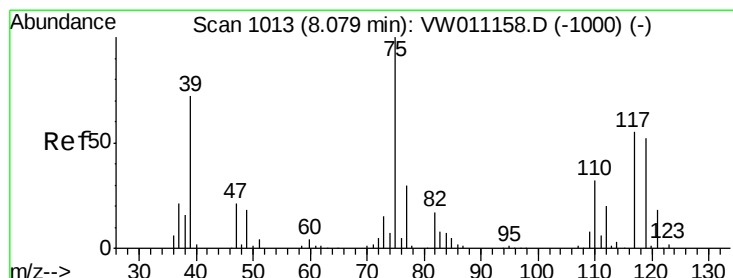
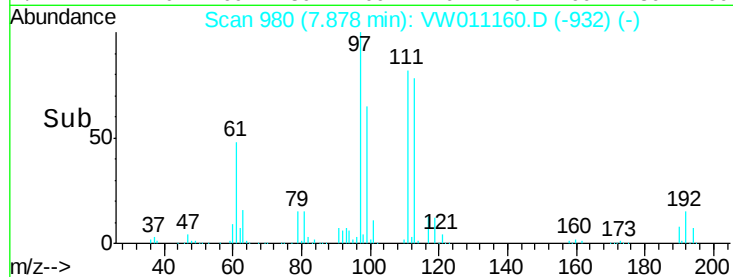
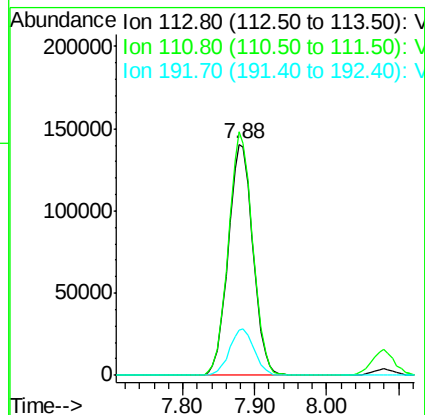
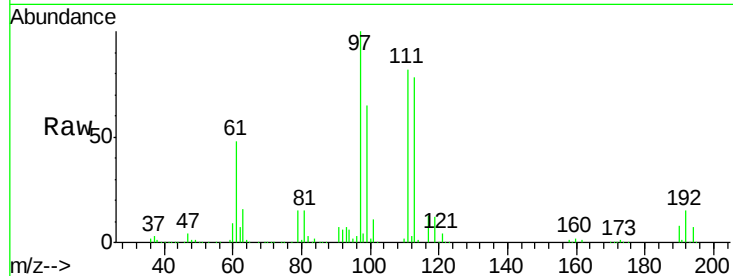
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	335138
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	19.9	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 143.579 ug/l

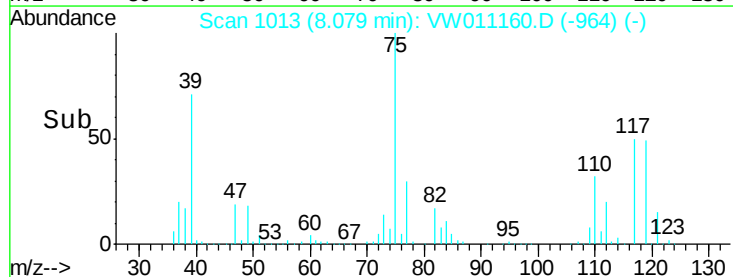
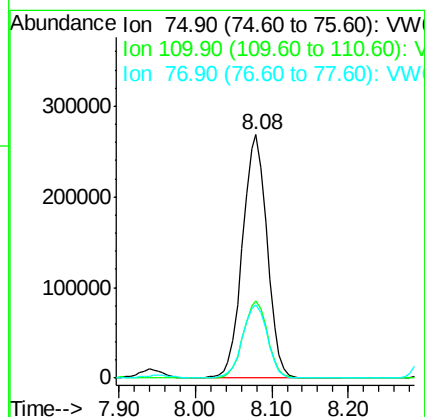
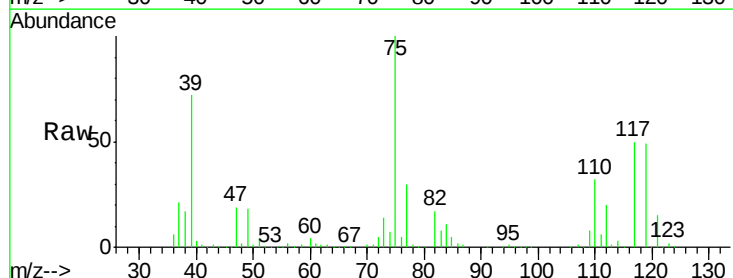
RT: 8.08 min Scan# 1013

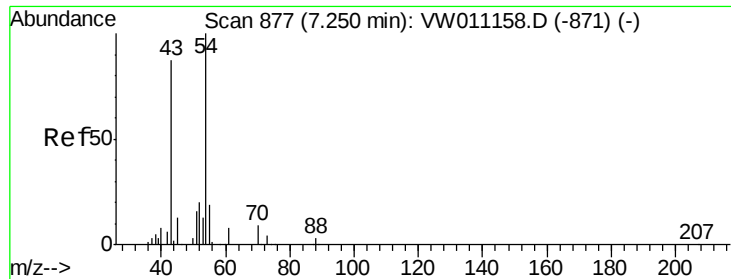
Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Tgt Ion:	75	Resp:	598393
Ion	Ratio	Lower	Upper
75	100		
110	31.6	15.9	47.6
77	30.8	24.6	36.8





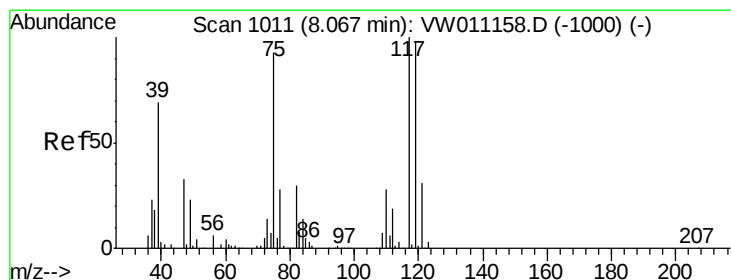
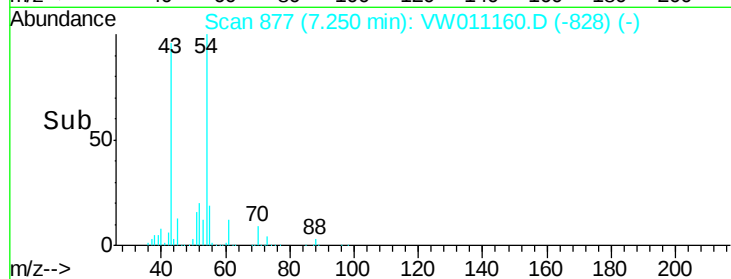
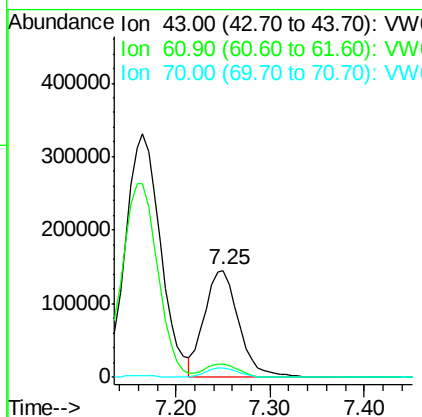
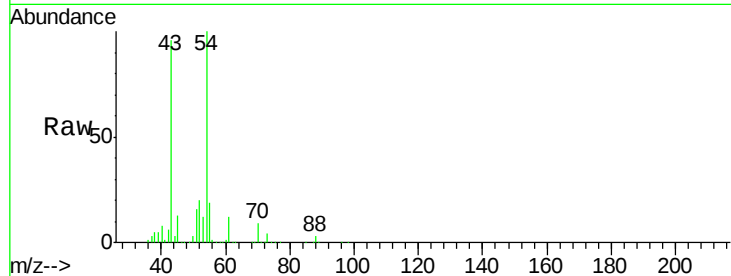
#37
Ethyl Acetate
Concen: 146.342 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.5	14.3
70	8.9	7.1	10.7

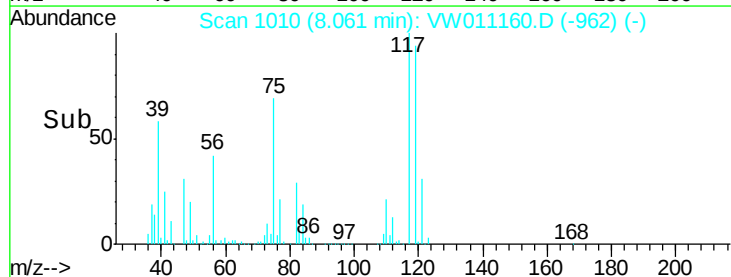
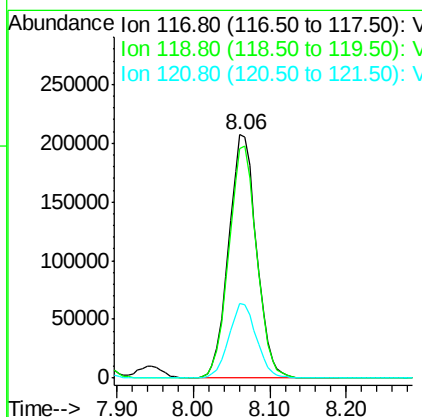
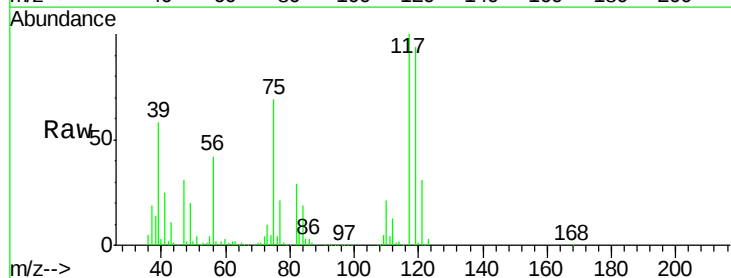
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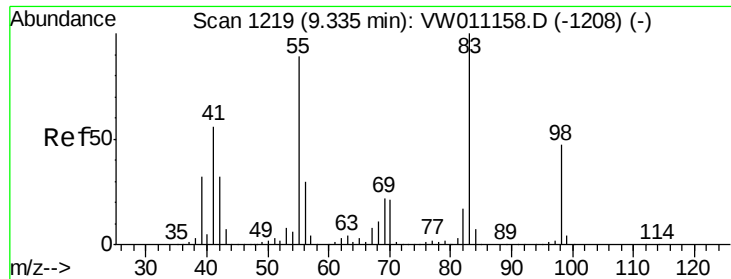
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#38
Carbon Tetrachloride
Concen: 147.260 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.1	117.1
121	30.8	25.1	37.7





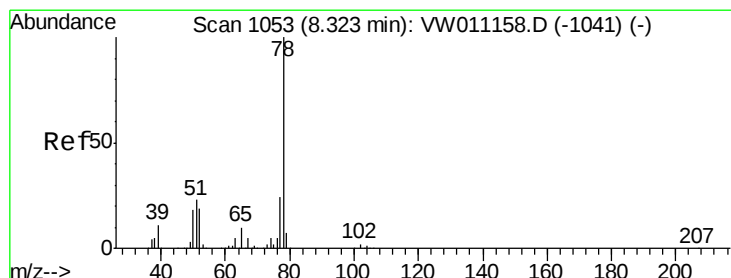
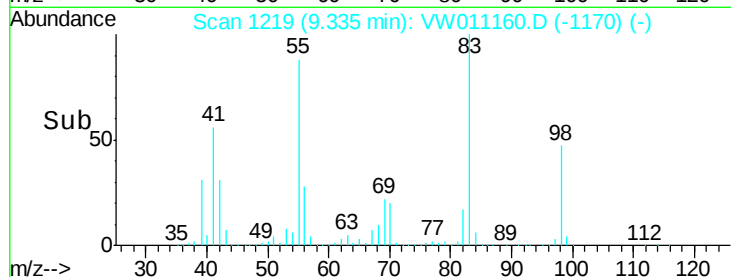
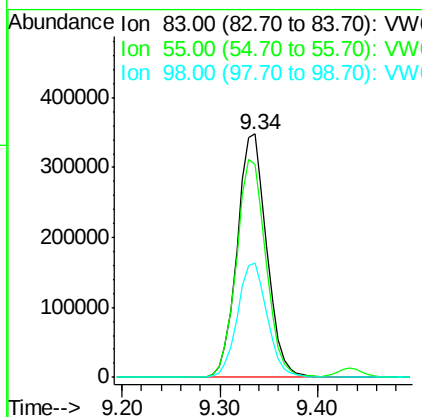
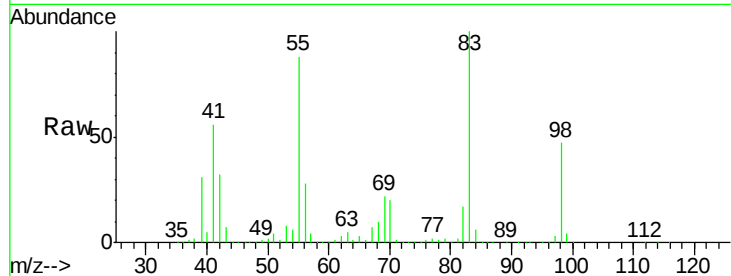
#39
Methvlcvclohexane
Concen: 144.578 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	730328
Ion Ratio	100	Lower	Upper
83	100		
55	87.6	71.2	106.8
98	47.1	37.5	56.3

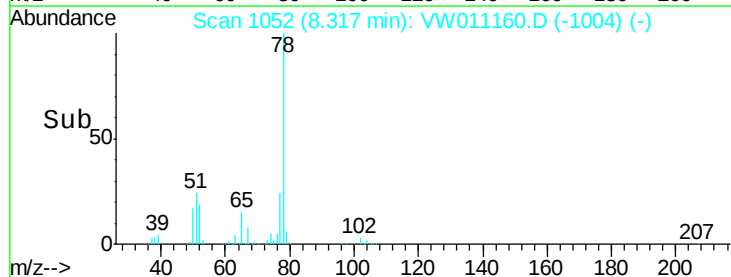
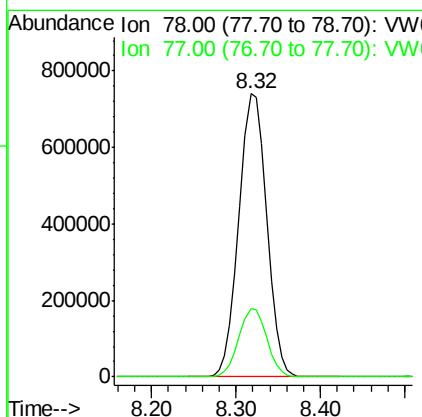
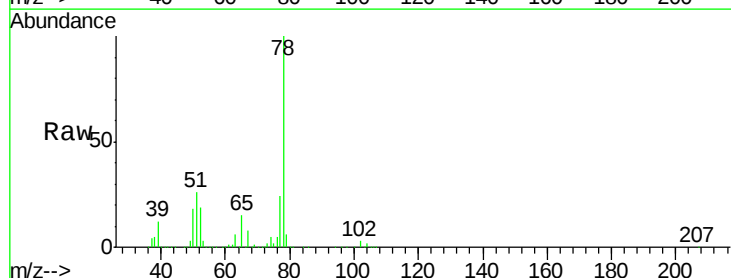
Manual Integrations
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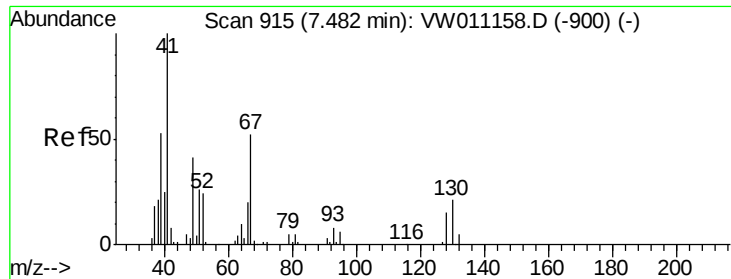
MMDadoda
7/9/2019 4:13:01 PM



#40
Benzene
Concen: 143.962 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	78	Resp	1658146
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	19.0	28.6





#41

Methacrylonitrile

Concen: 150.053 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 214900

Ion Ratio Lower Upper

41 100

39 60.2 48.0 72.0

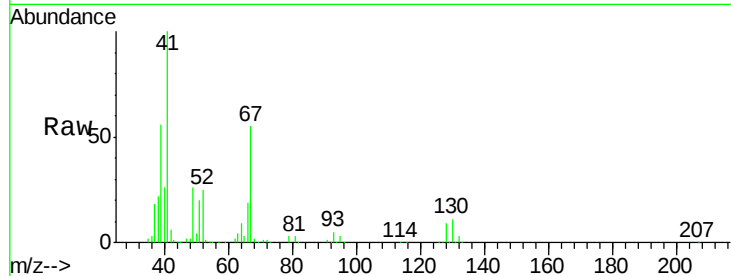
67 60.3 49.7 74.5

52 27.0 23.4 35.0

Manual Integrations
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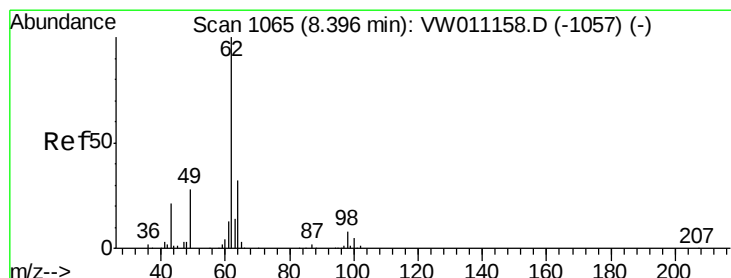
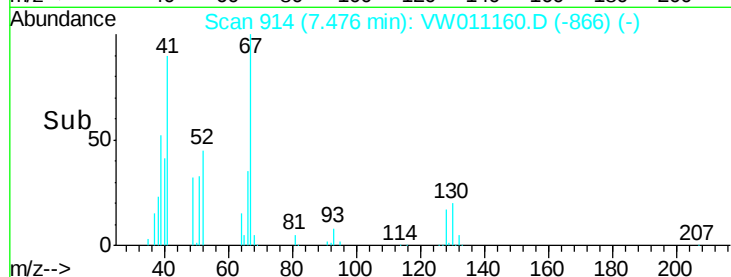
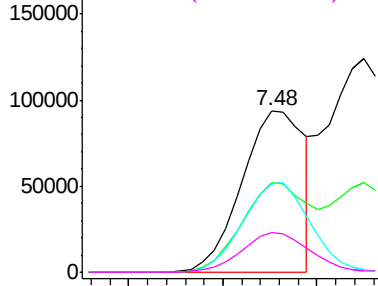


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 145.116 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011160.D

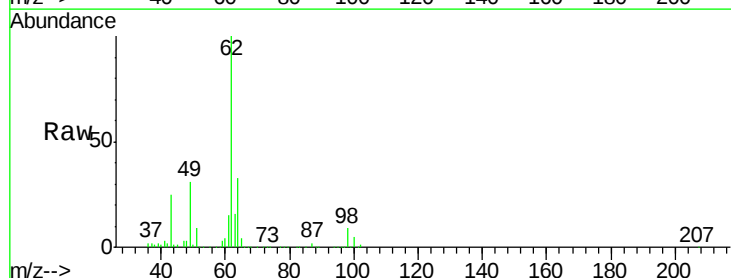
Acq: 08 Jul 2019 12:55

Tgt Ion: 62 Resp: 542204

Ion Ratio Lower Upper

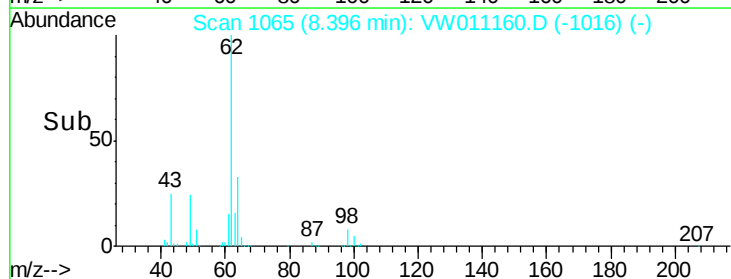
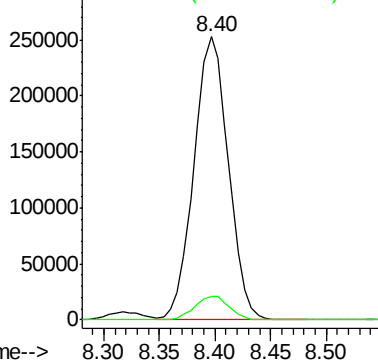
62 100

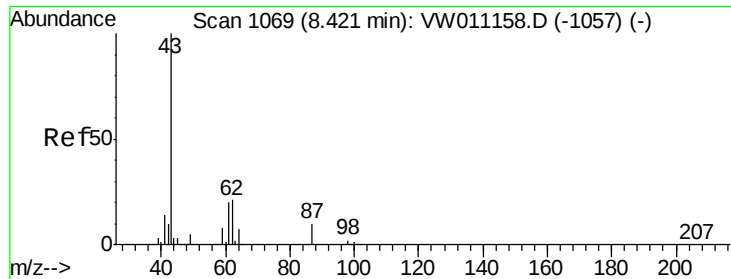
98 8.5 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 154.174 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

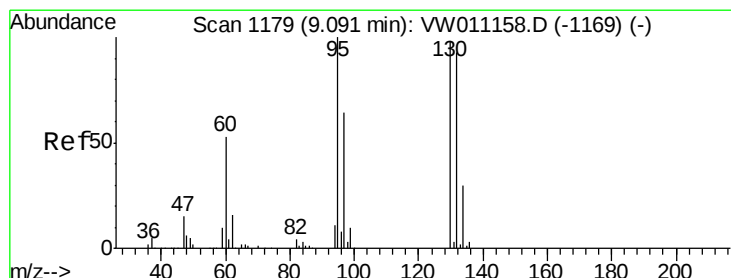
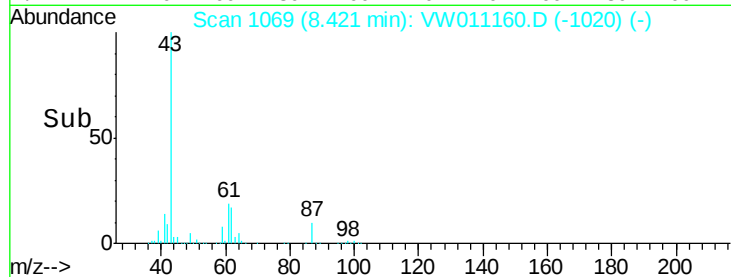
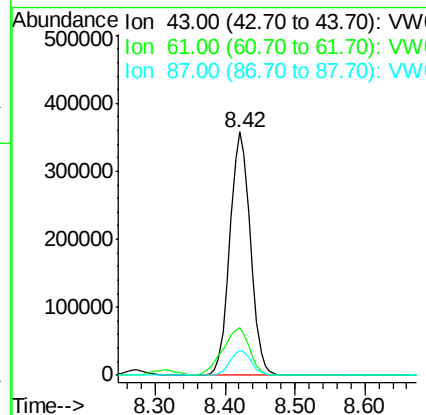
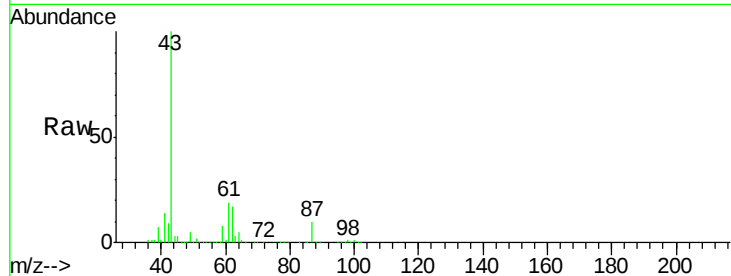
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	728880
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.7	31.1
87	10.4	8.1	12.1

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#44

Trichloroethene

Concen: 146.672 ug/l

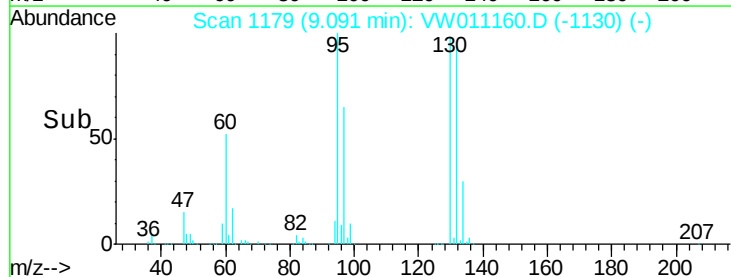
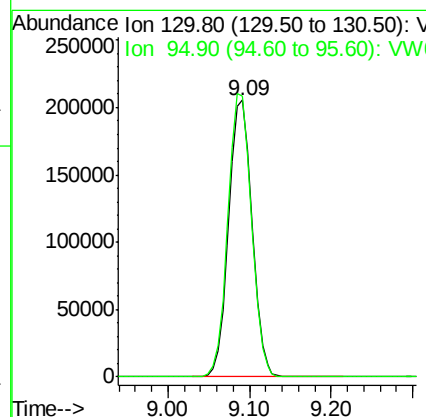
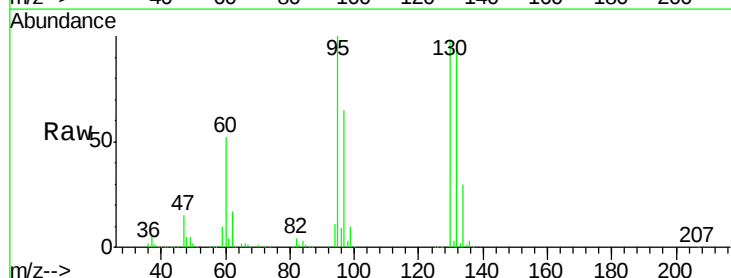
RT: 9.09 min Scan# 1179

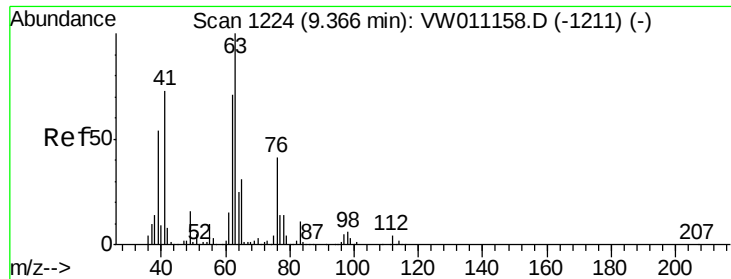
Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Tgt Ion:	130	Resp:	406530
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.6





#45

1,2-Dichloropropane

Concen: 148.254 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 462406

Ion Ratio Lower Upper

63 100

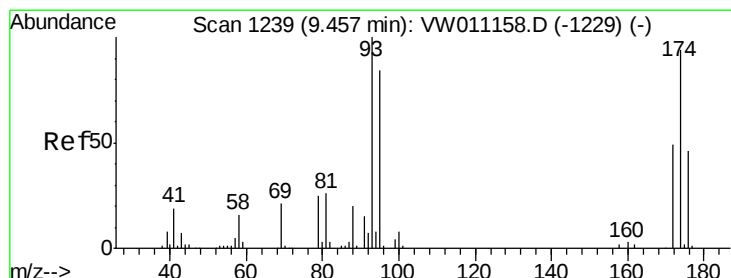
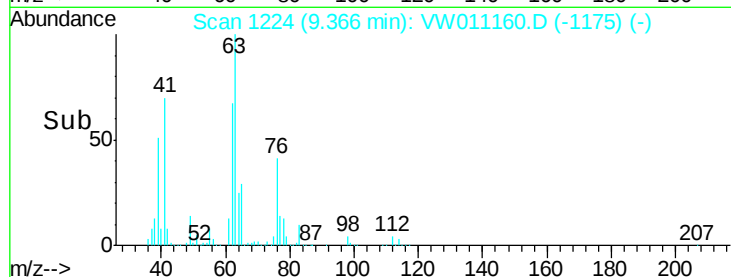
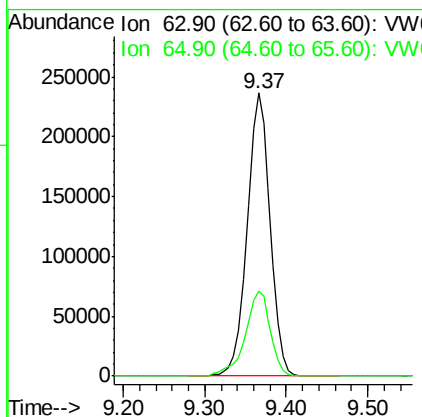
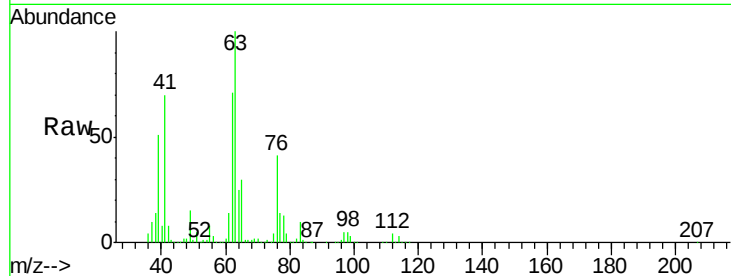
65 29.8 24.4 36.6

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#46

Dibromomethane

Concen: 148.425 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

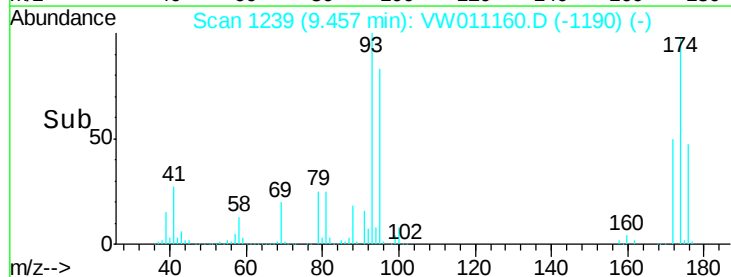
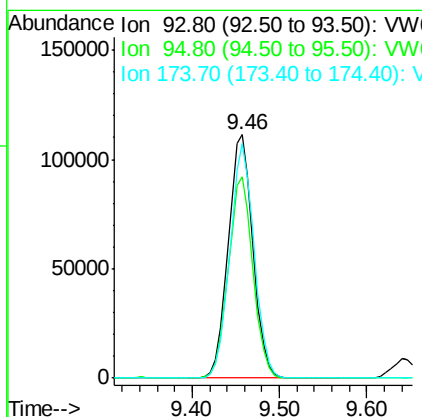
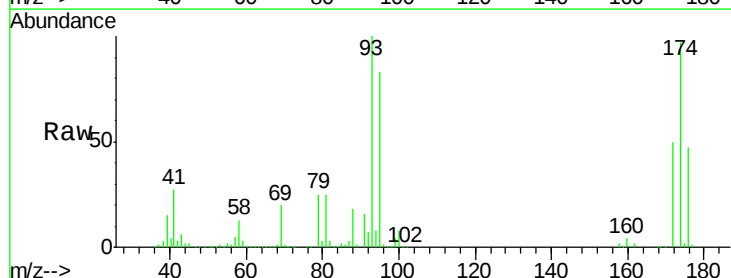
Tgt Ion: 93 Resp: 217465

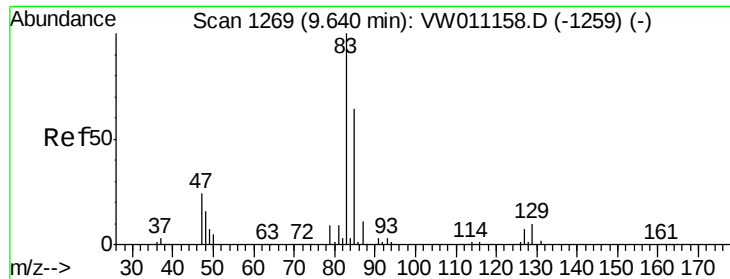
Ion Ratio Lower Upper

93 100

95 82.5 67.2 100.8

174 94.9 76.3 114.5





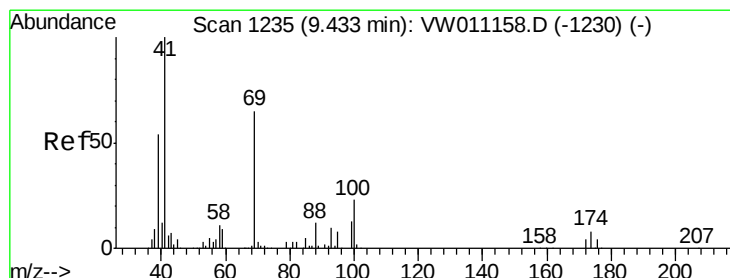
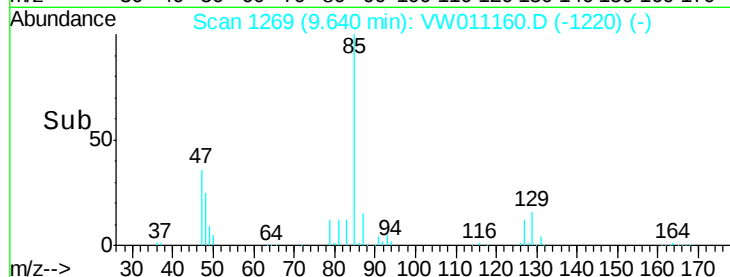
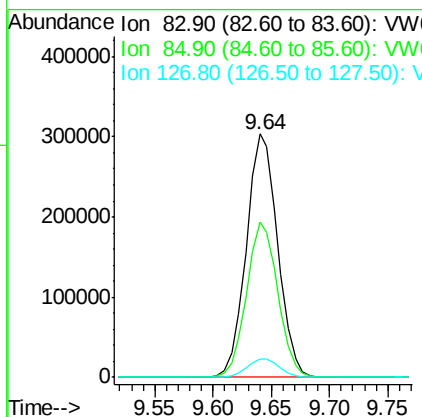
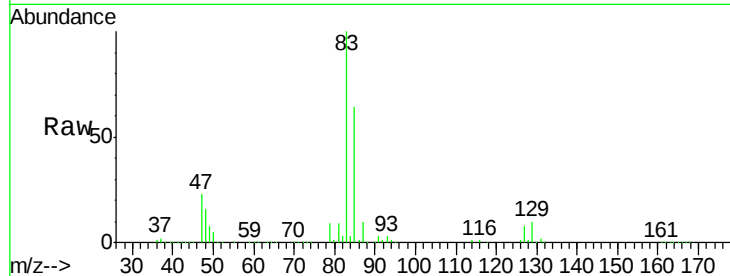
#47
 Bromodichloromethane
 Concen: 151.786 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	569024		
85	63.9		51.0	76.4
127	7.8		6.0	9.0

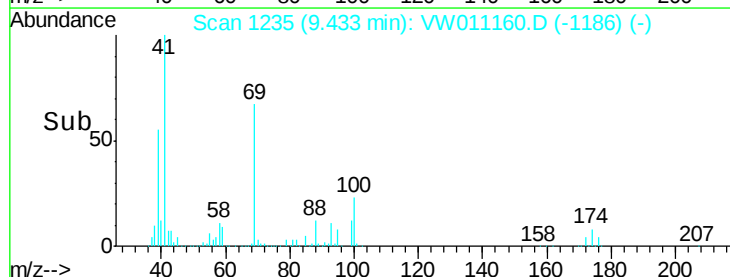
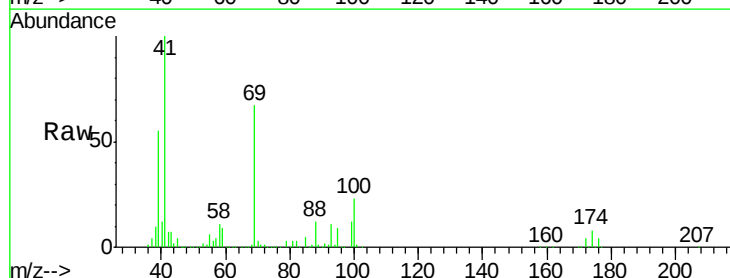
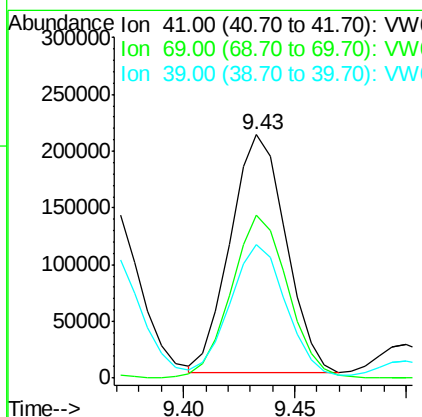
Manual Integrations
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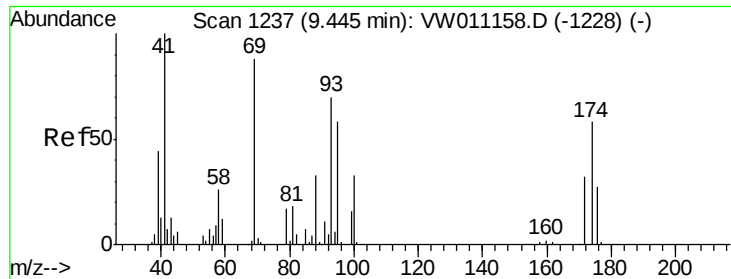
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 7/9/2019 4:13:01 PM



#48
 Methyl methacrylate
 Concen: 160.311 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	364620		
69	70.0		56.0	84.0
39	54.3		43.5	65.3





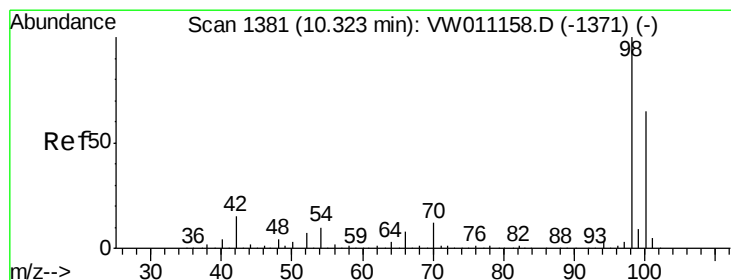
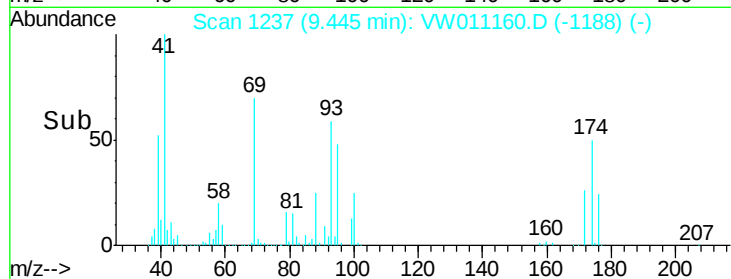
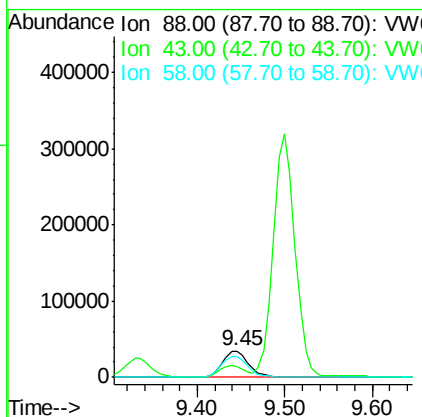
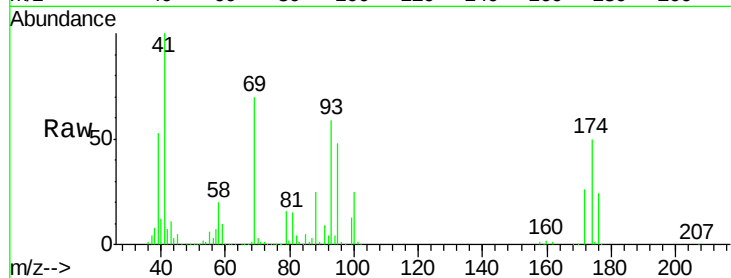
#49
1,4-Dioxane
Concen: 2949.785 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.0	33.4	50.0
58	84.2	64.5	96.7

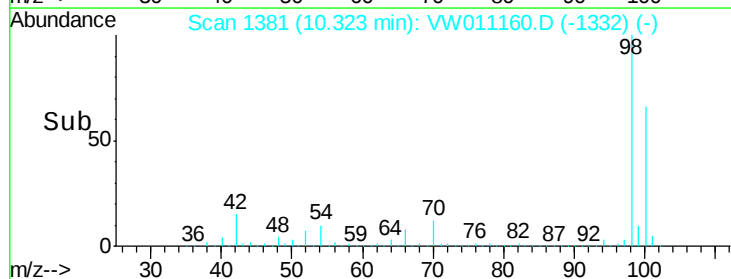
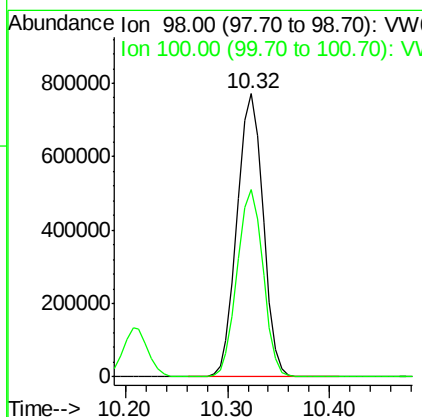
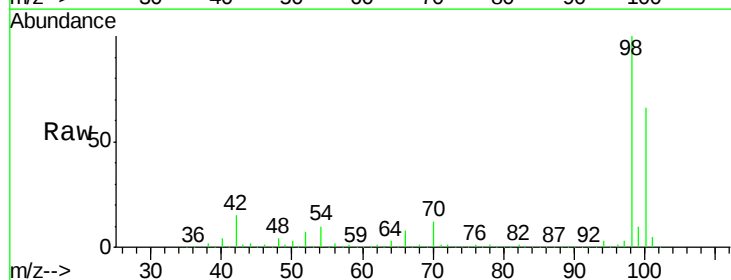
Manual Integrations
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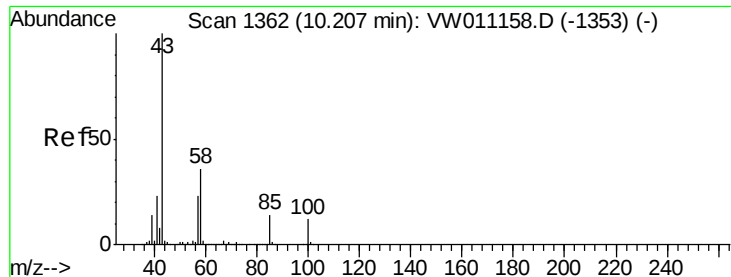
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#50
Toluene-d8
Concen: 144.994 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 768.778 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1898571

Ion Ratio Lower Upper

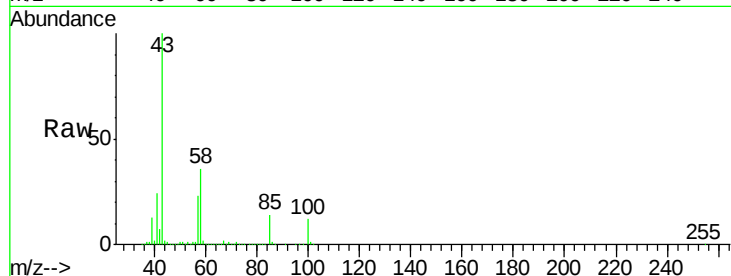
43 100

58 35.3 28.2 42.2

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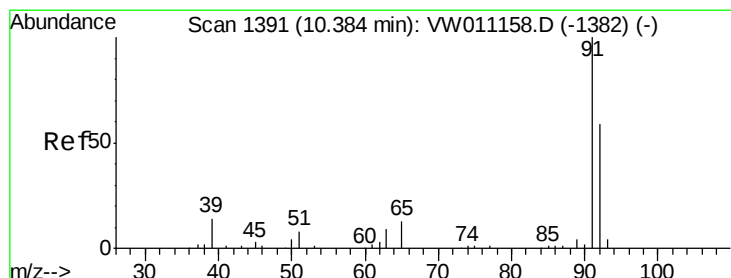
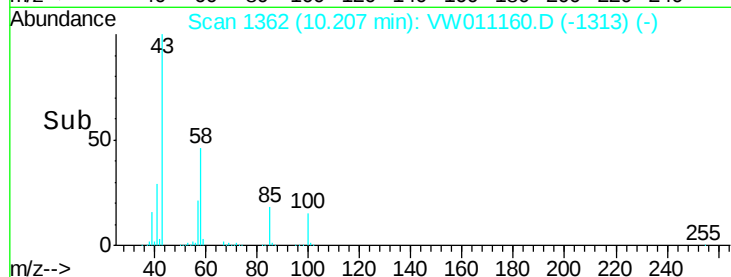
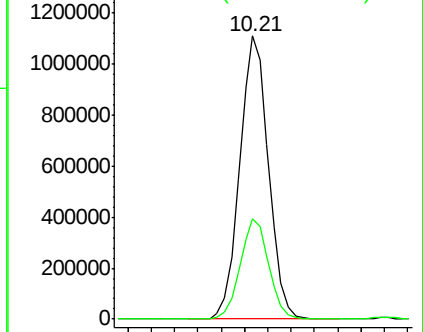
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 147.341 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011160.D

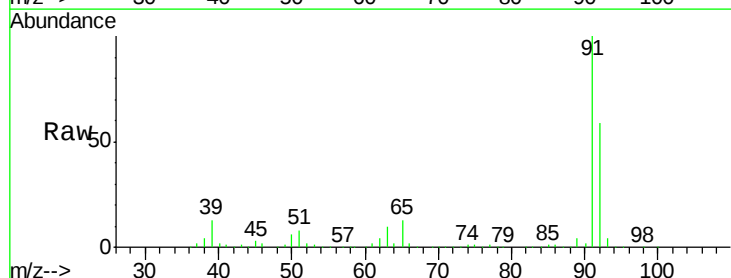
Acq: 08 Jul 2019 12:55

Tgt Ion: 92 Resp: 1029457

Ion Ratio Lower Upper

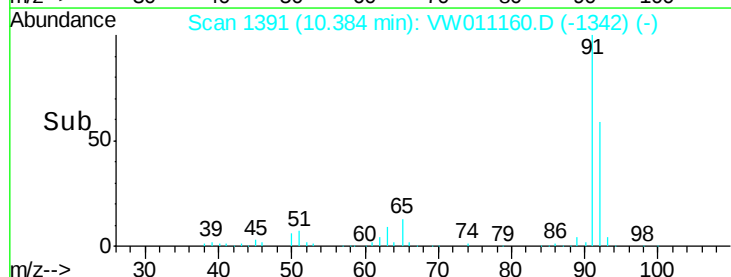
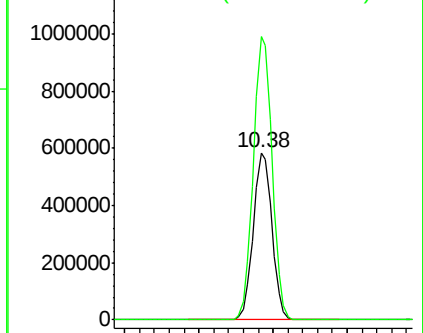
92 100

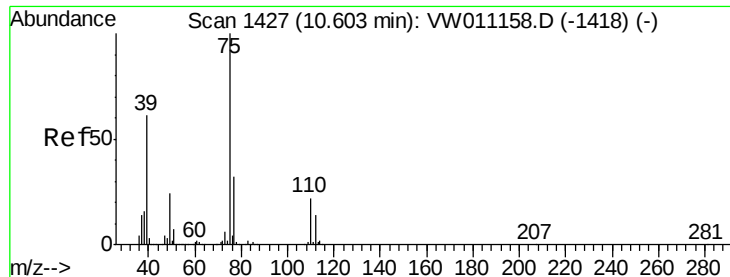
91 170.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





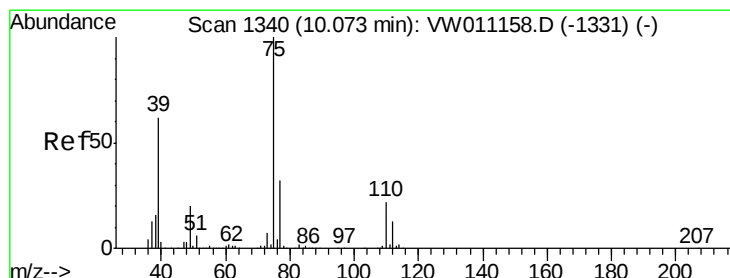
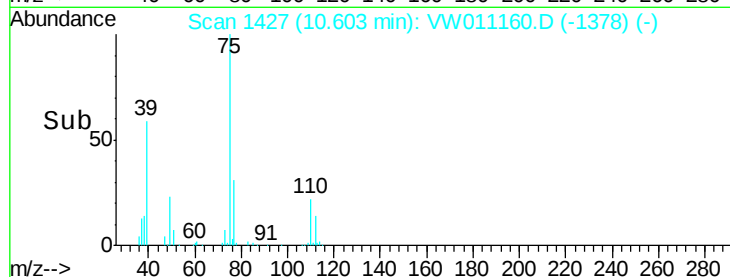
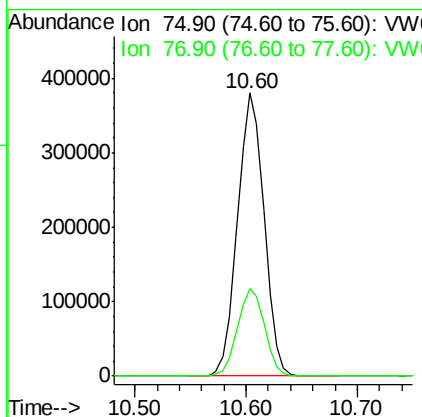
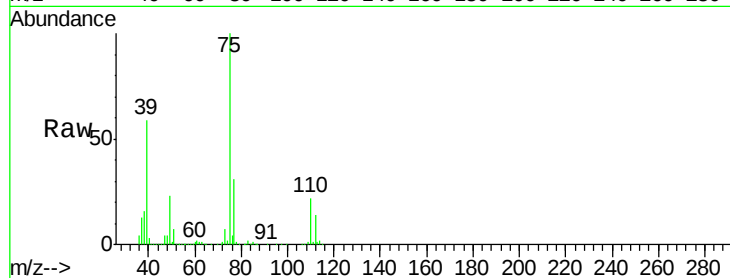
#53
t-1,3-Dichloropropene
Concen: 157.461 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 628333
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0

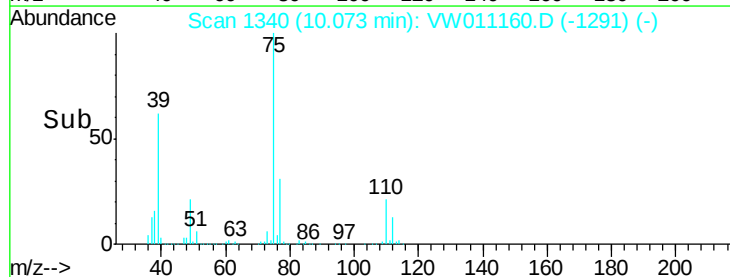
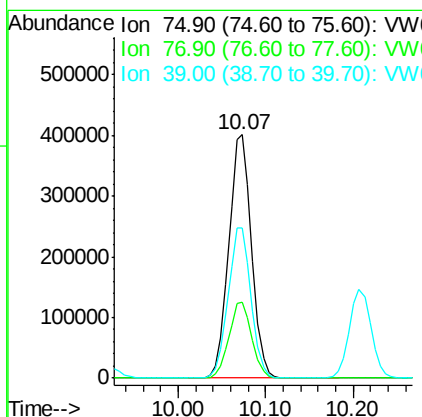
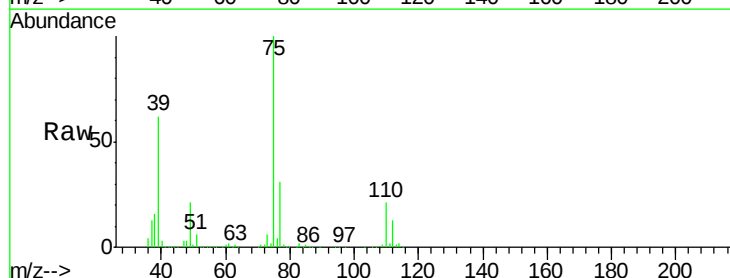
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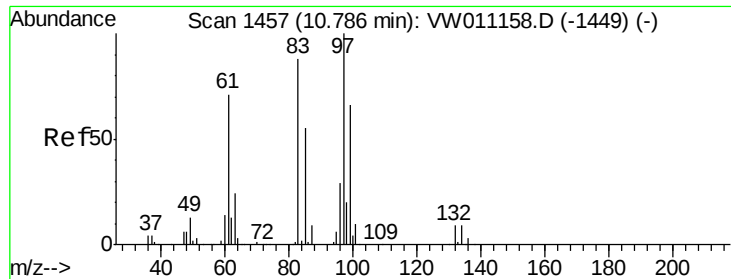
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#54
cis-1,3-Dichloropropene
Concen: 153.911 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion: 75 Resp: 722906
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5
39 61.7 49.8 74.8





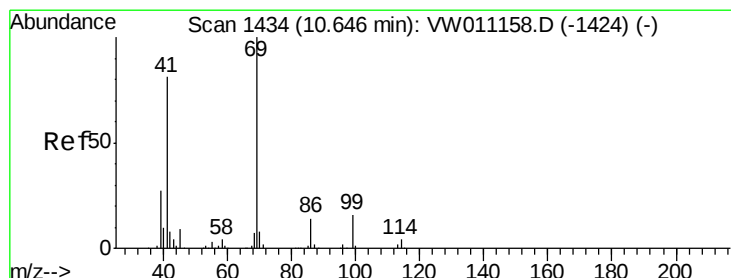
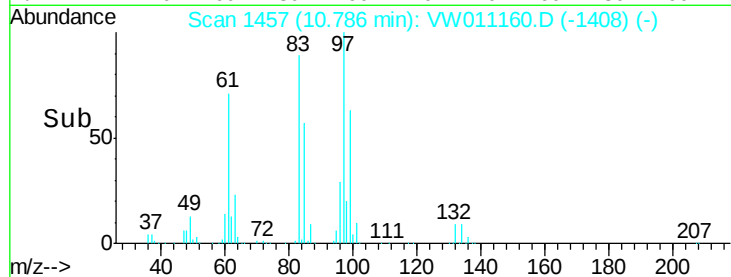
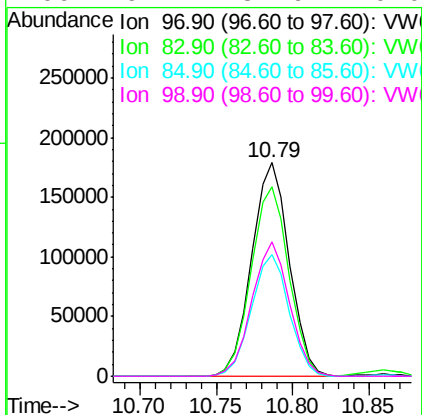
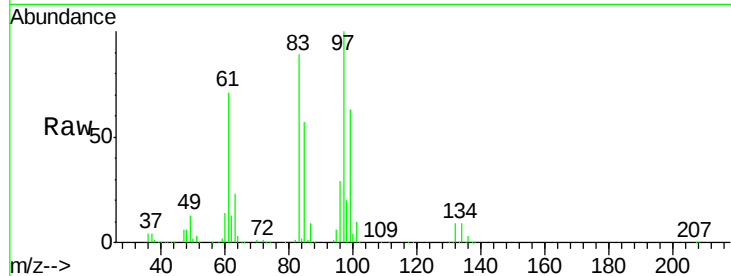
#55
 1,1,2-Trichloroethane
 Concen: 147.210 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	305985
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.2	105.4
85	57.1	44.2	66.2
99	62.7	52.6	79.0

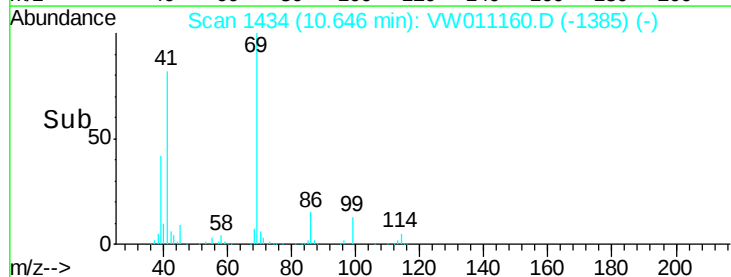
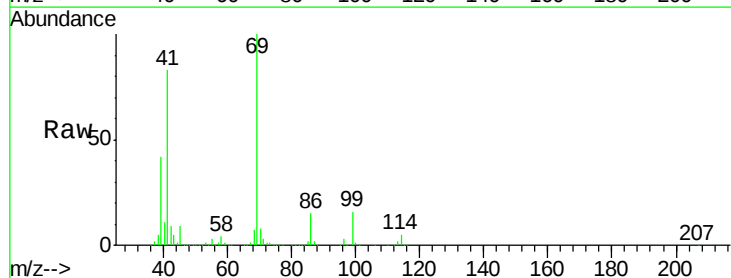
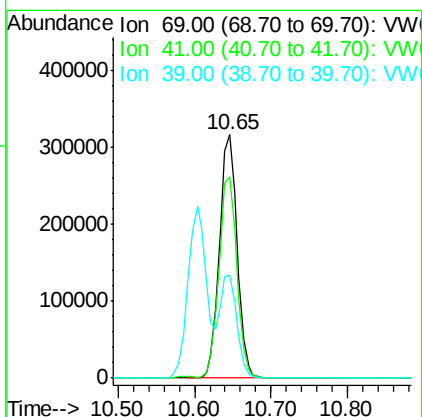
Manual Integrations
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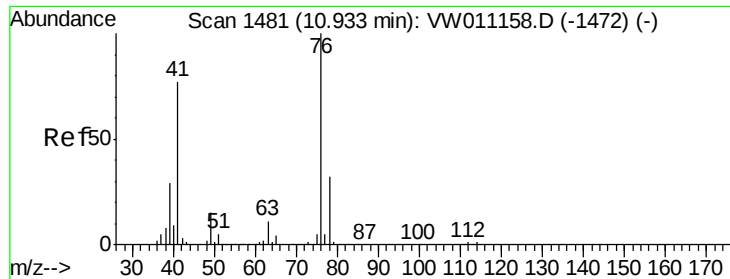
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 7/9/2019 4:13:01 PM



#56
 Ethyl methacrylate
 Concen: 159.821 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Tgt Ion:	69	Resp:	505763
Ion	Ratio	Lower	Upper
69	100		
41	83.3	66.5	99.7
39	39.1	32.5	48.7





#57

1,3-Dichloropropane

Concen: 149.661 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 588247

Ion Ratio Lower Upper

76 100

78 32.5

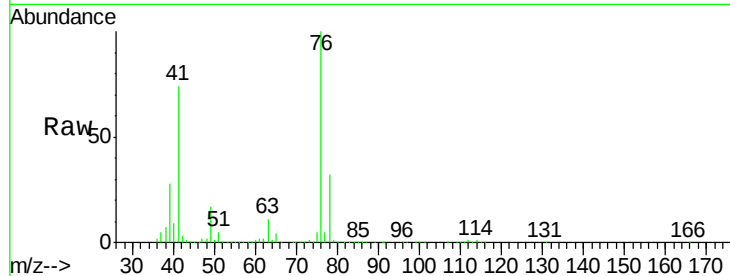
26.2

39.2

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

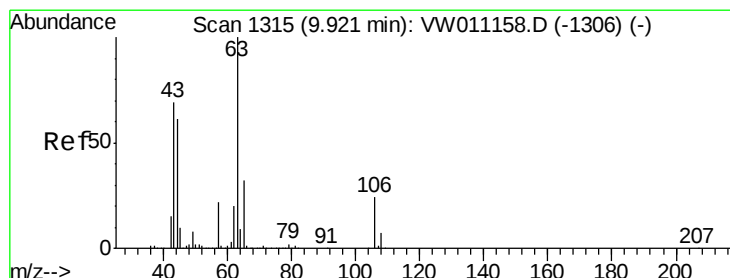
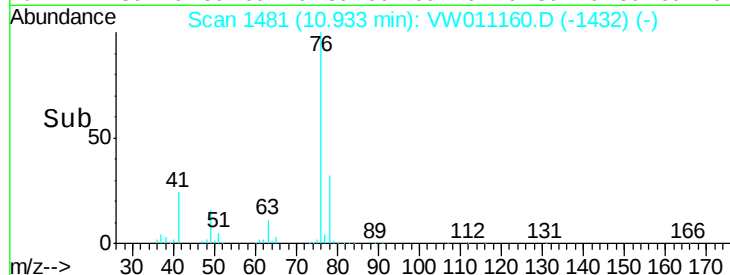
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 806.073 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Tgt Ion: 63 Resp: 1182579

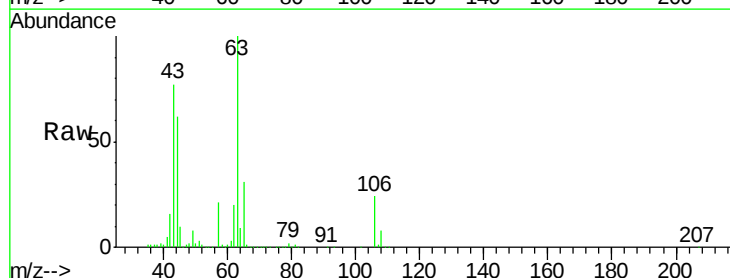
Ion Ratio Lower Upper

63 100

106 24.6

19.4

29.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

800000

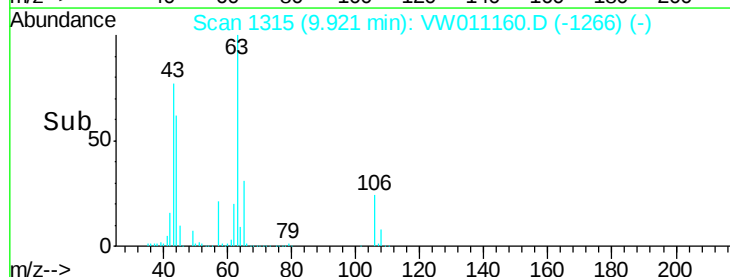
600000

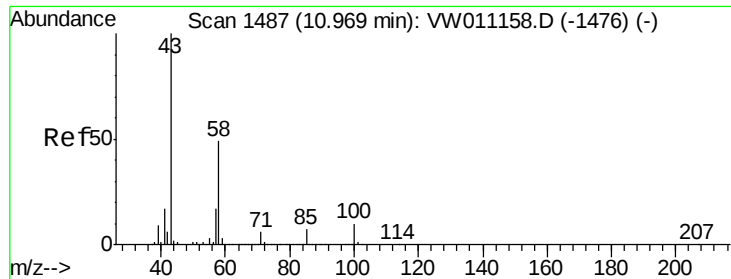
400000

200000

0

Time-->





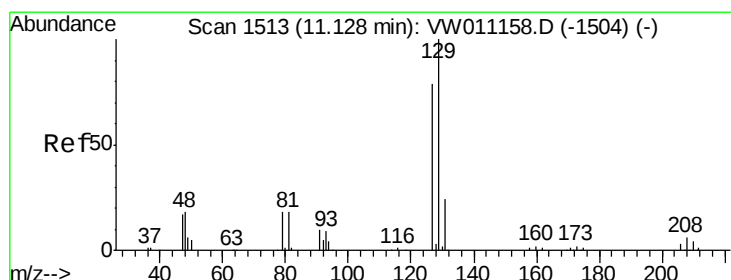
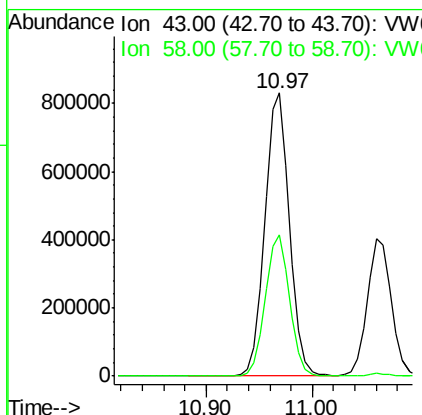
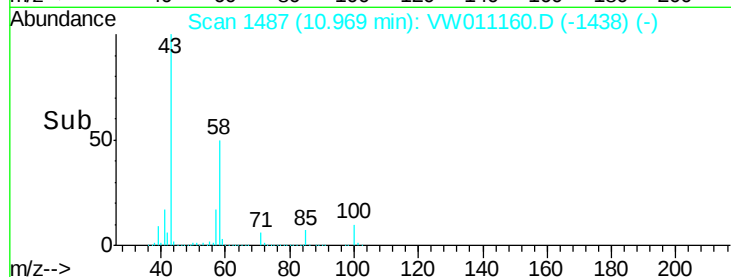
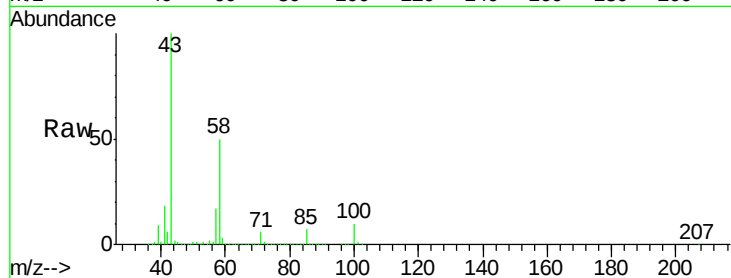
#59
2-Hexanone
Concen: 779.085 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1334312
Ion Ratio Lower Upper
43 100
58 49.6 24.4 73.4

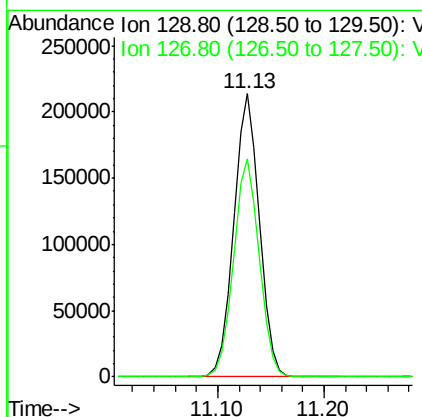
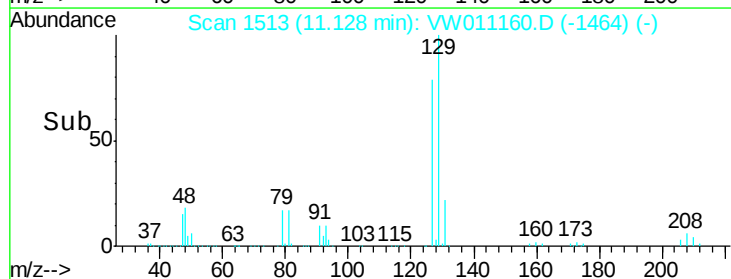
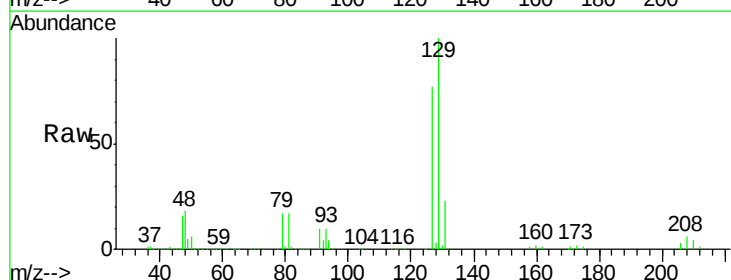
Manual Integrations
APPROVED

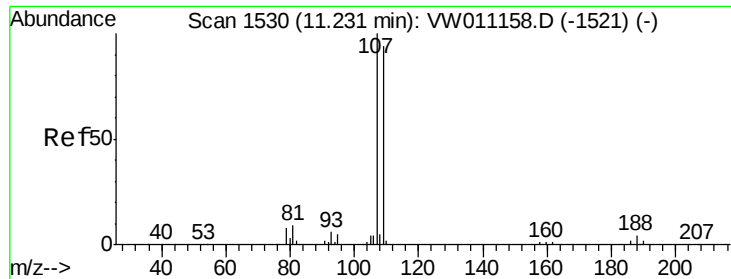
MMDadoda
7/9/2019 4:13:01 PM



#60
Dibromochloromethane
Concen: 157.704 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion: 129 Resp: 359451
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





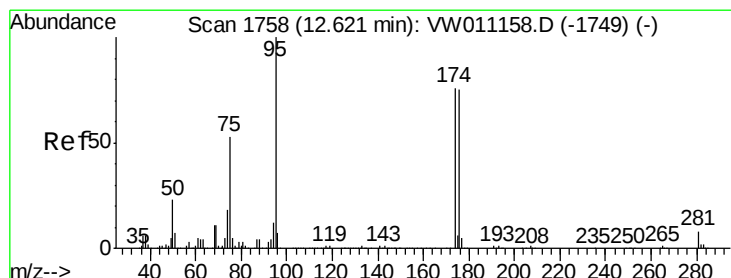
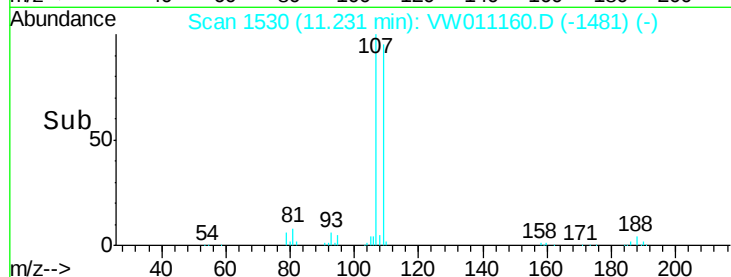
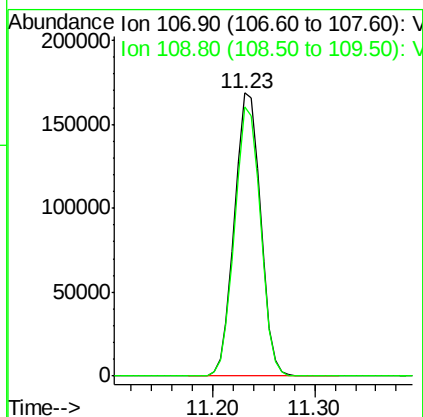
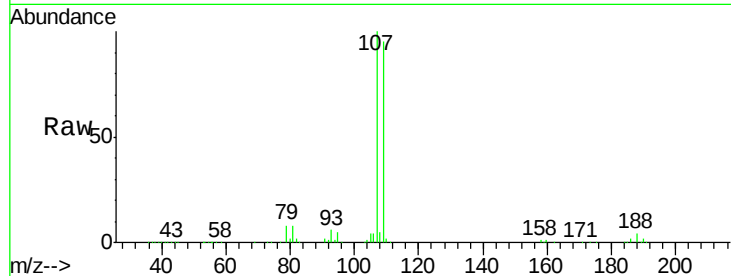
#61
 1,2-Dibromoethane
 Concen: 151.375 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.2	112.8

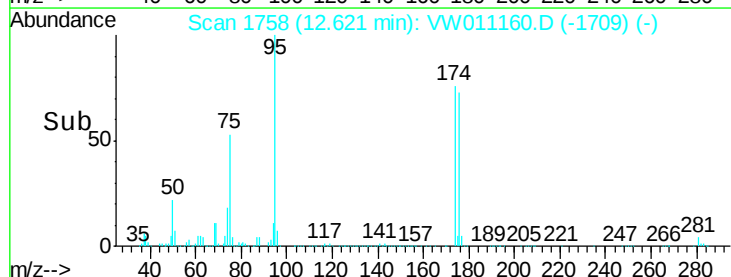
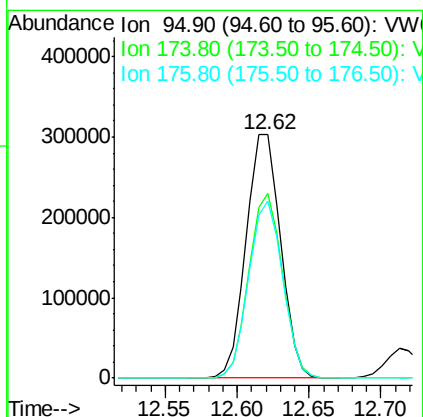
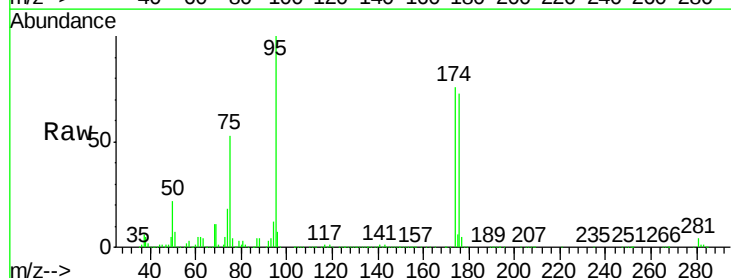
Manual Integrations
 APPROVED

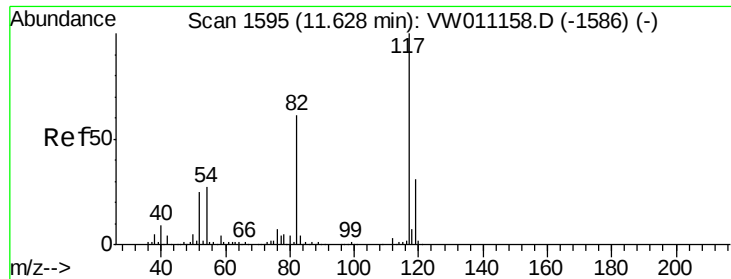
MMDadoda
 7/9/2019 4:13:01 PM



#62
 4-Bromofluorobenzene
 Concen: 145.177 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	147.6
176	71.7	0.0	144.6





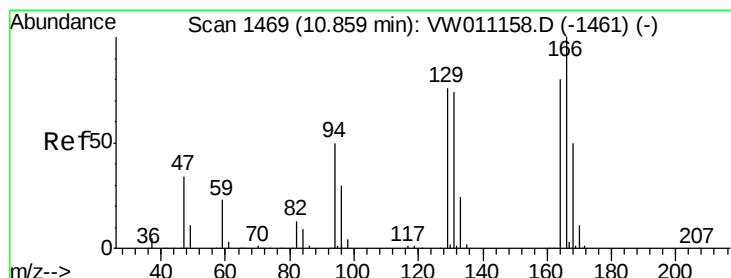
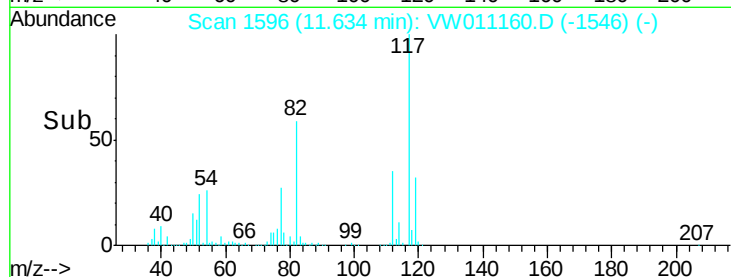
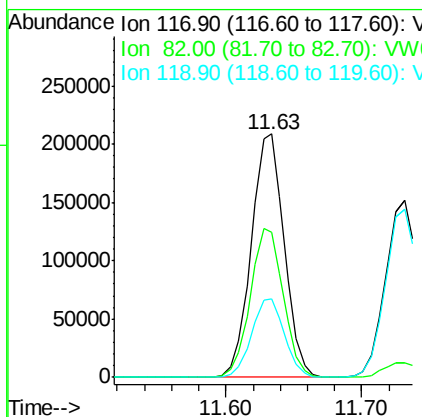
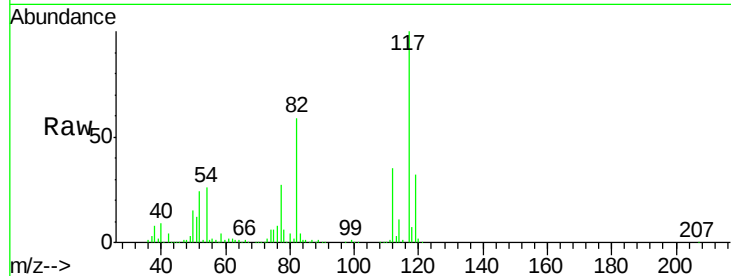
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	354563		
82	59.4	48.9	73.3	
119	32.4	25.0	37.6	

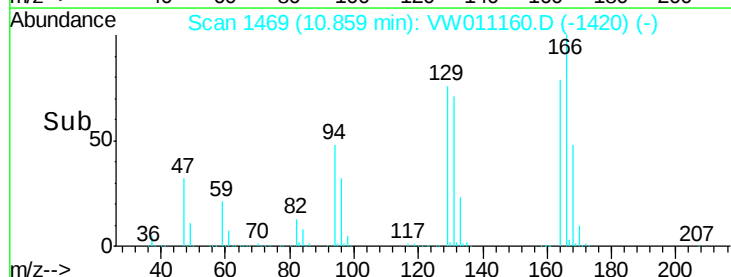
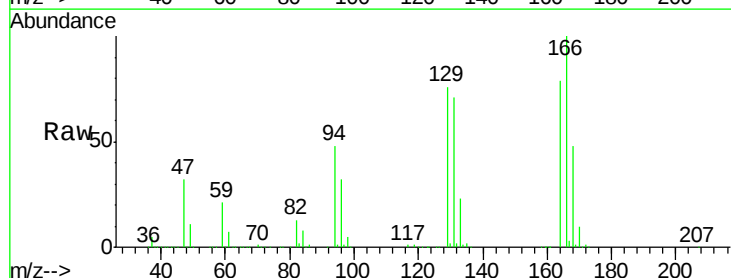
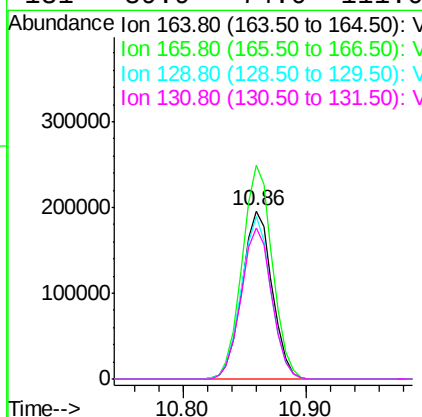
Manual Integrations
APPROVED

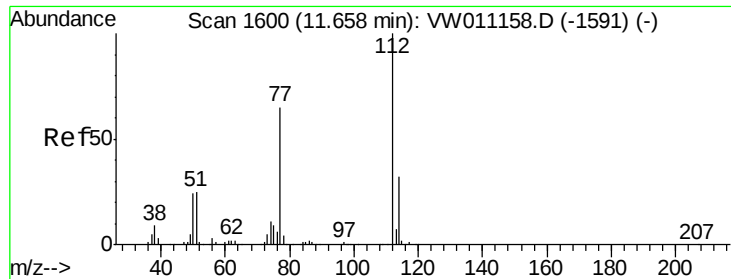
MMDadoda
7/9/2019 4:13:01 PM



#64
Tetrachloroethene
Concen: 140.132 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	335269		
166	127.0	99.7	149.5	
129	96.9	76.2	114.2	
131	89.9	74.0	111.0	





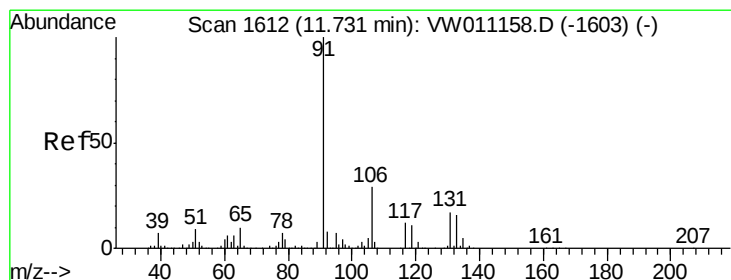
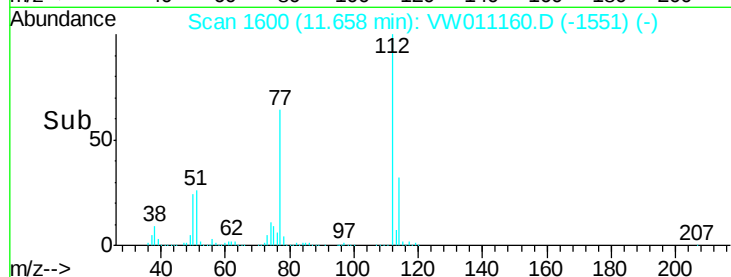
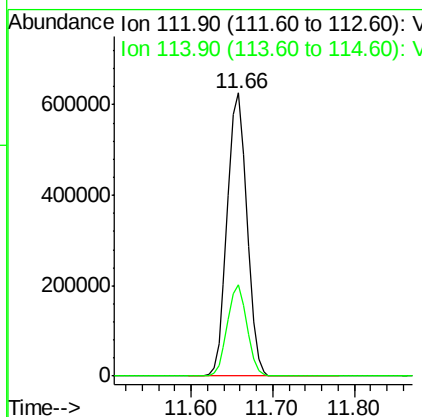
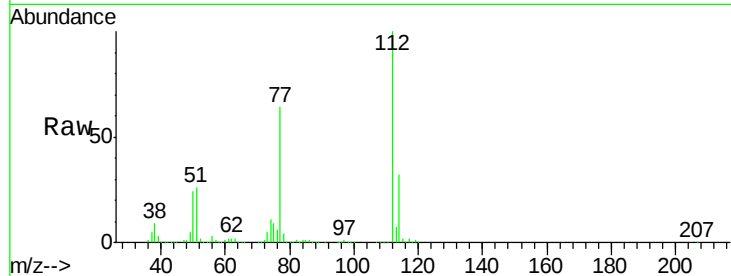
#65
Chlorobenzene
Concen: 144.694 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1043056
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

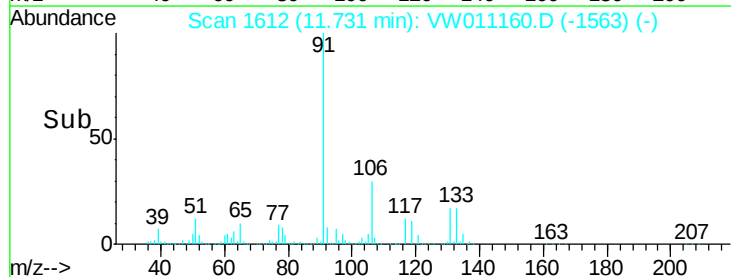
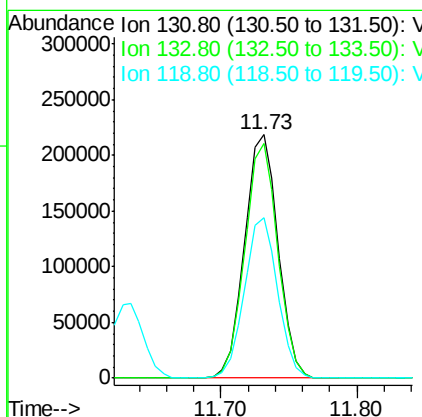
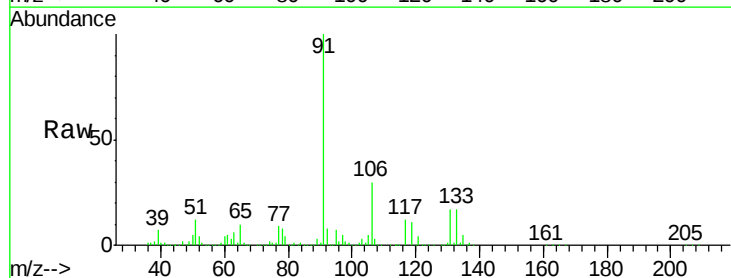
Manual Integrations
APPROVED

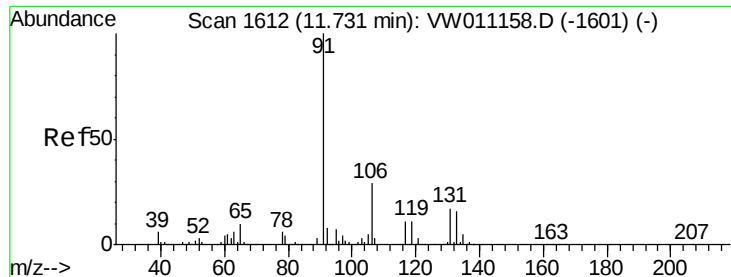
MMDadoda
7/9/2019 4:13:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 148.576 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion:131 Resp: 377112
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.8
119 65.2 33.1 99.2





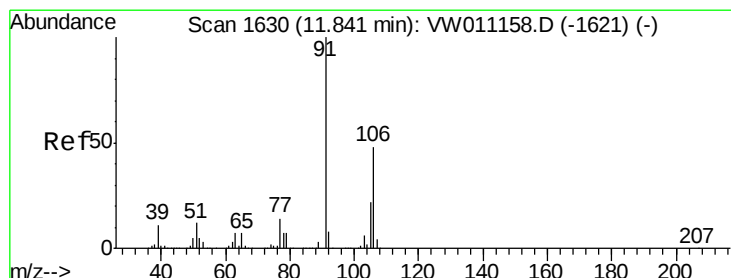
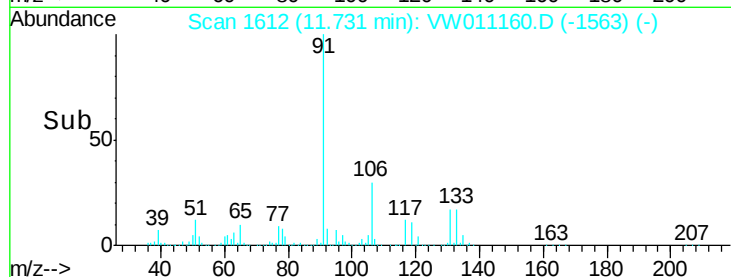
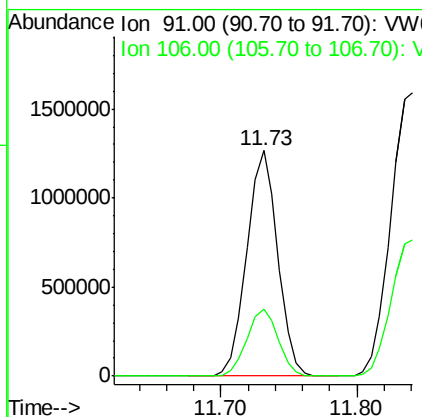
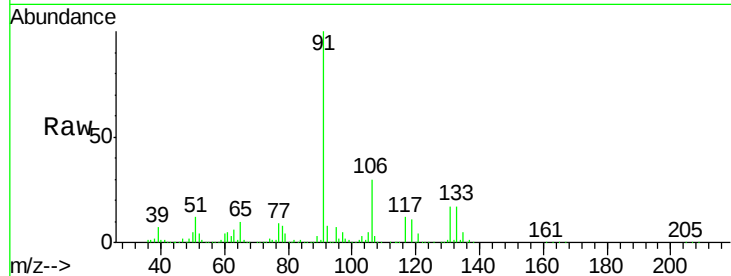
#67
Ethyl Benzene
Concen: 145.969 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2014373
Ion Ratio Lower Upper
91 100
106 29.8 23.5 35.3

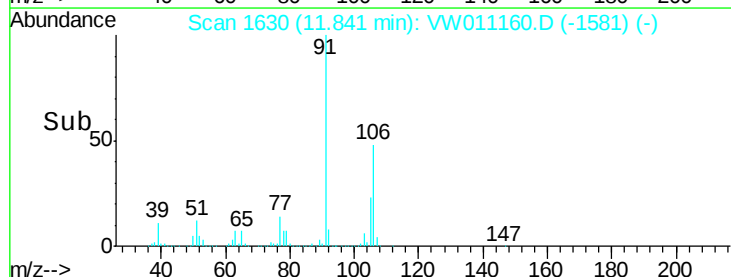
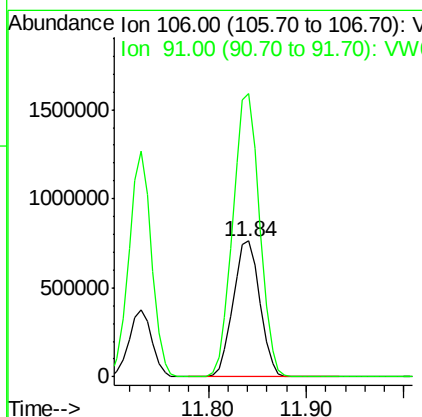
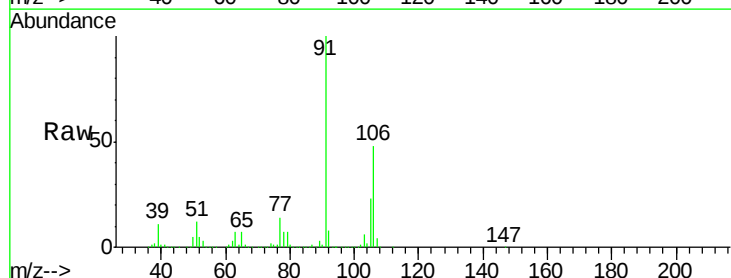
Manual Integrations
APPROVED

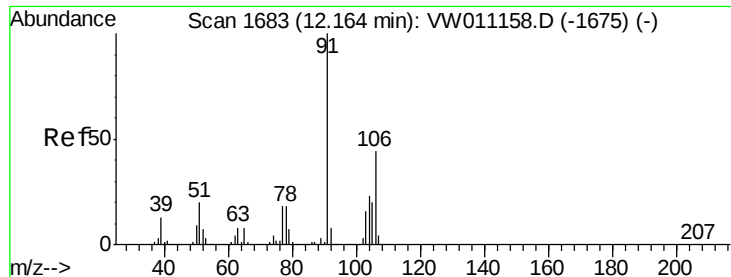
MMDadoda
7/9/2019 4:13:01 PM



#68
m/p-Xylenes
Concen: 290.592 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion: 106 Resp: 1451043
Ion Ratio Lower Upper
106 100
91 207.9 167.7 251.5





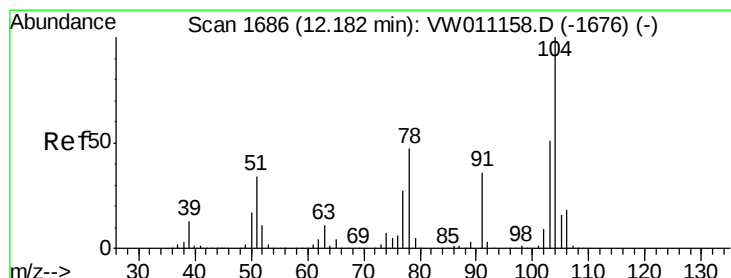
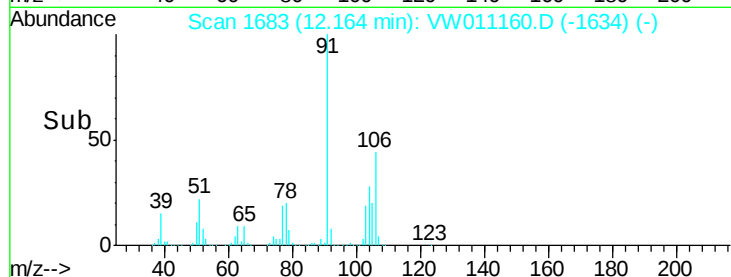
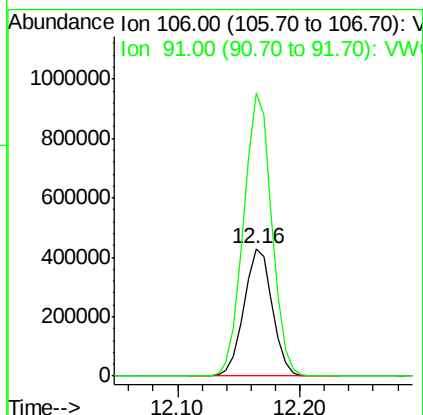
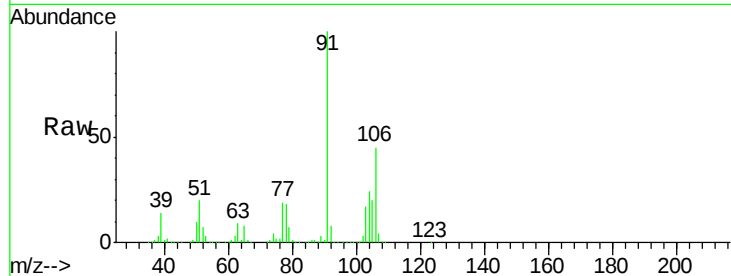
#69
o-Xylene
Concen: 146.588 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 689897
Ion Ratio Lower Upper
106 100
91 221.0 110.7 332.1

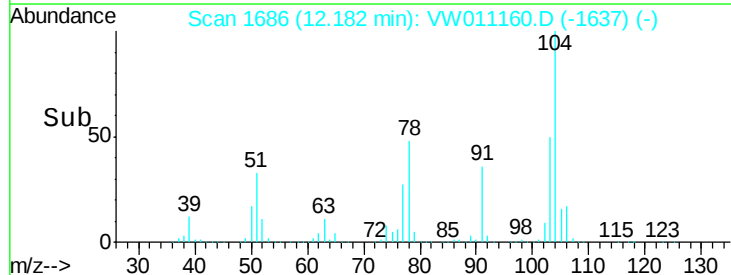
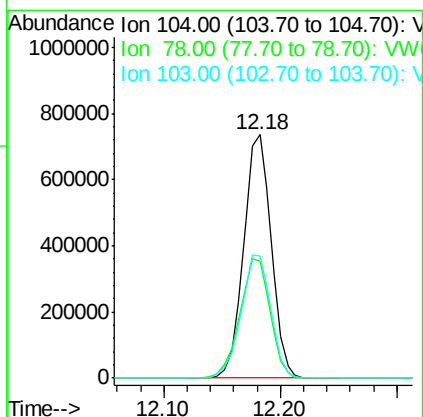
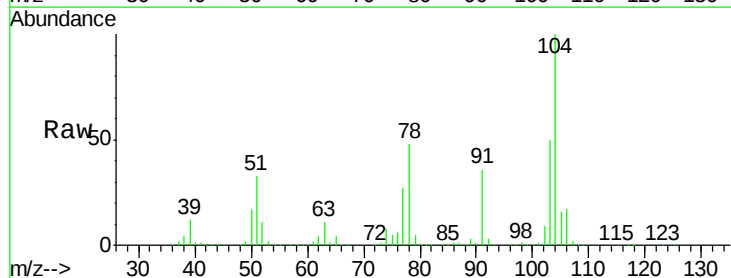
Manual Integrations
APPROVED

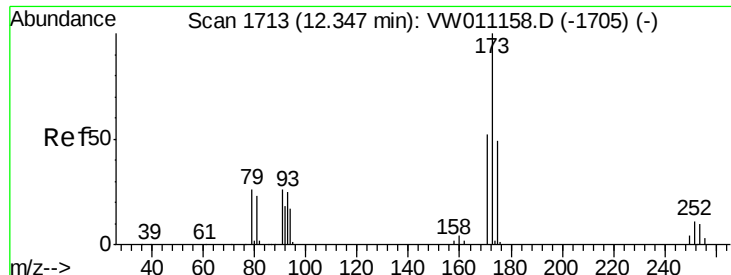
MMDadoda
7/9/2019 4:13:01 PM



#70
Styrene
Concen: 149.500 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion:104 Resp: 1214290
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 54.7 44.1 66.1





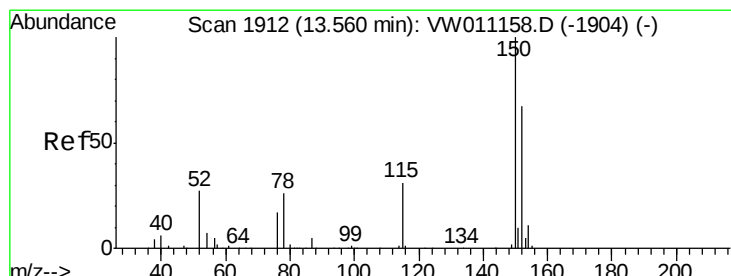
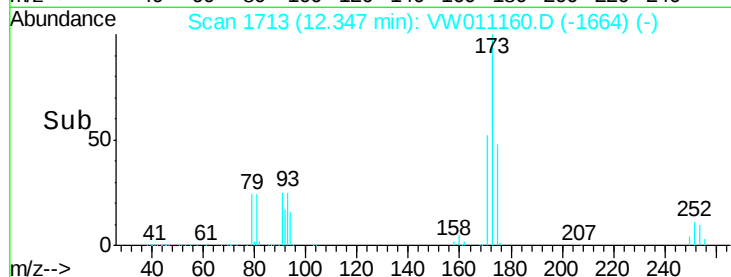
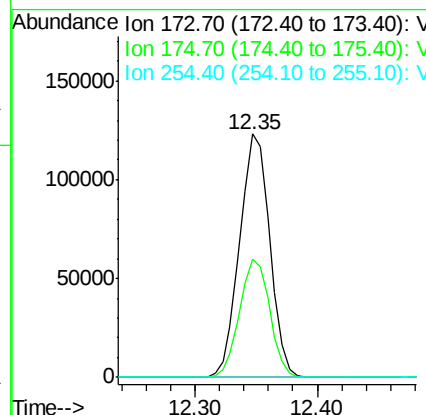
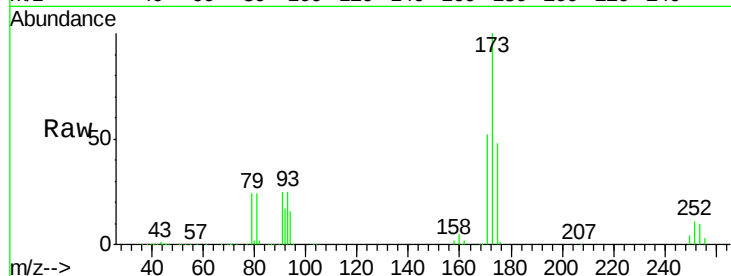
#71
Bromoform
Concen: 155.319 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.8	74.3
254	0.0	0.0	0.0

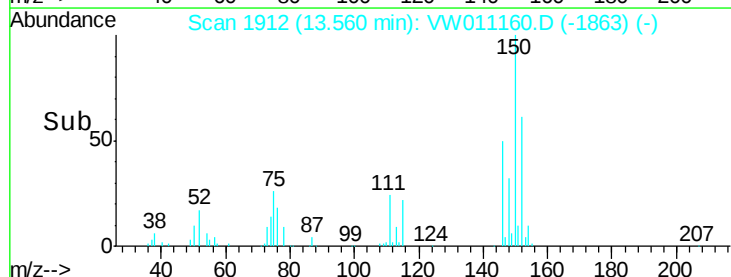
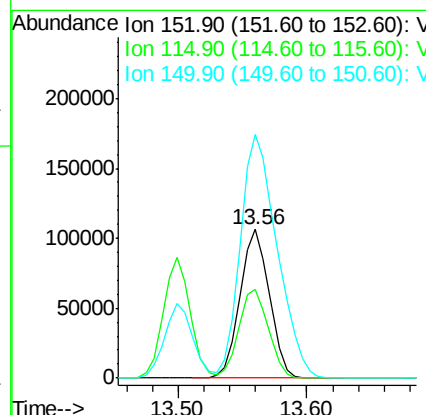
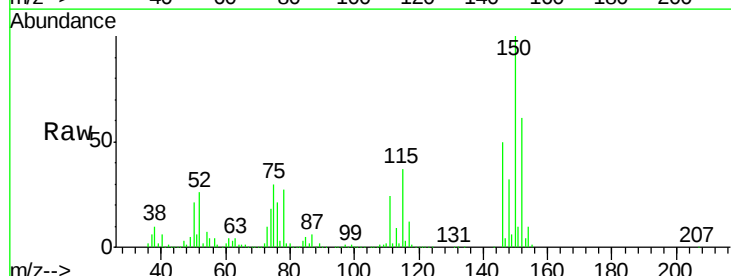
Manual Integrations
APPROVED

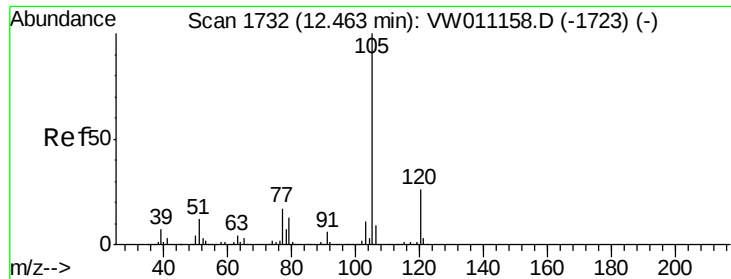
MMDadoda
7/9/2019 4:13:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.3
150	204.2	0.0	346.0





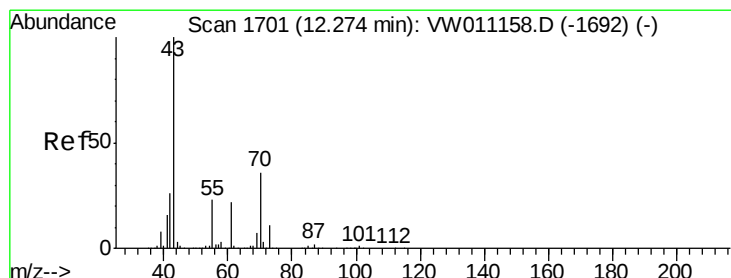
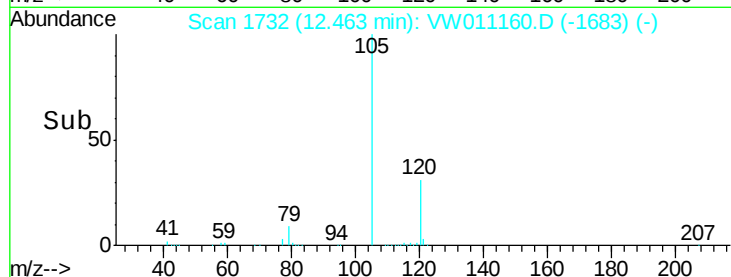
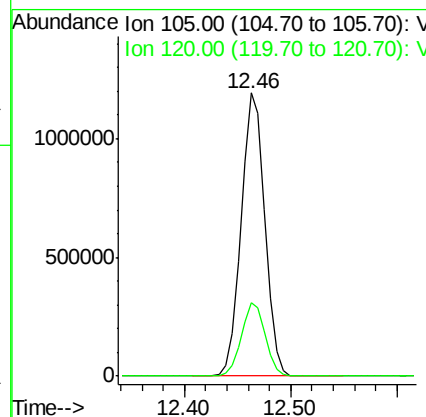
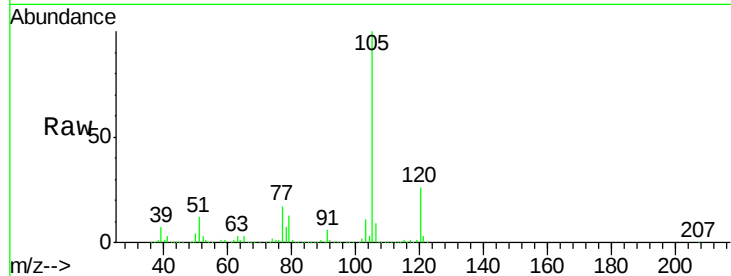
#73
Isopropylbenzene
Concen: 148.143 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1858457
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.3

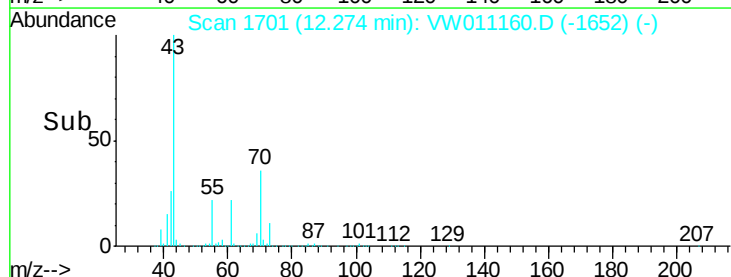
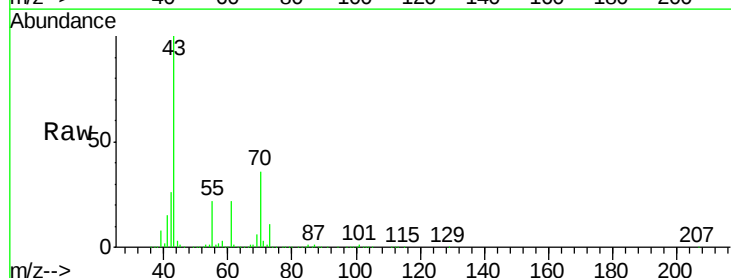
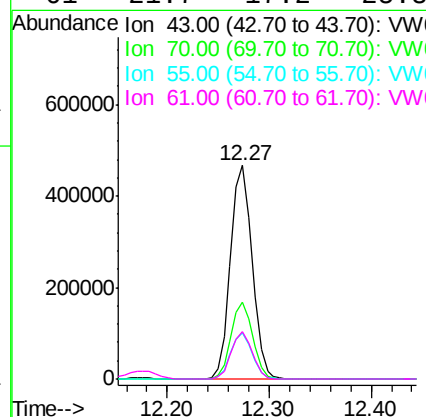
Manual Integrations
APPROVED

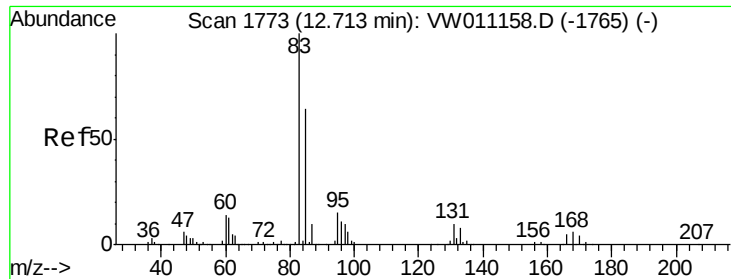
MMDadoda
7/9/2019 4:13:01 PM



#74
N-ethyl acetate
Concen: 157.030 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion: 43 Resp: 686080
Ion Ratio Lower Upper
43 100
70 35.9 28.5 42.7
55 21.7 18.1 27.1
61 21.7 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 148.814 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

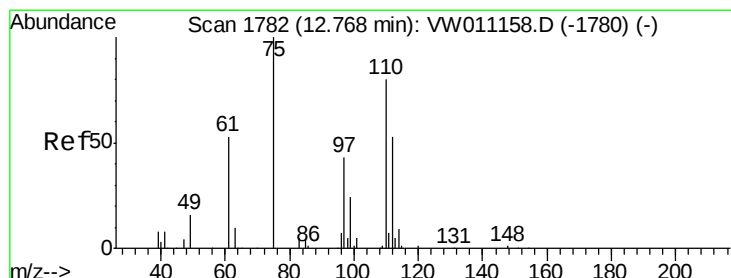
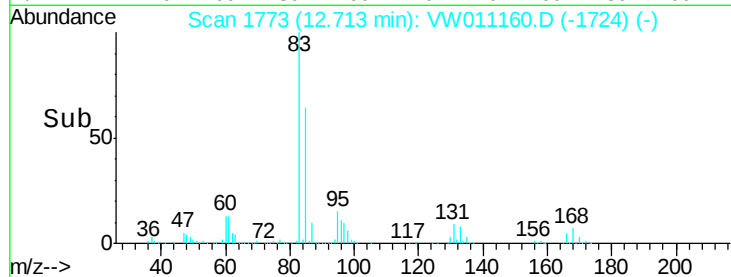
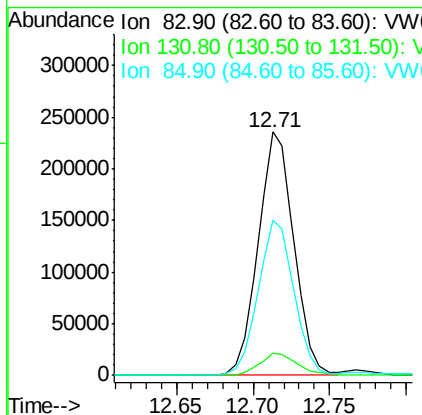
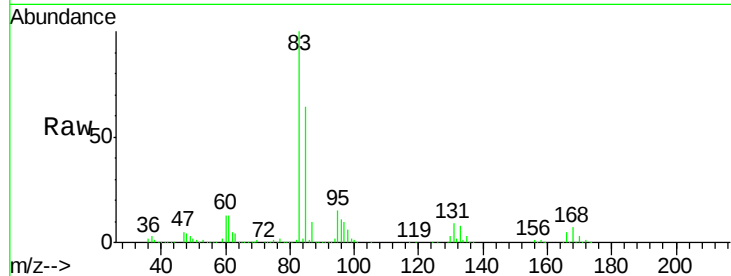
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	382683
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	63.8	31.6	94.8

Manual Integrations
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7/9/2019 4:13:01 PM



#76

1,2,3-Trichloropropane

Concen: 138.634 ug/l m

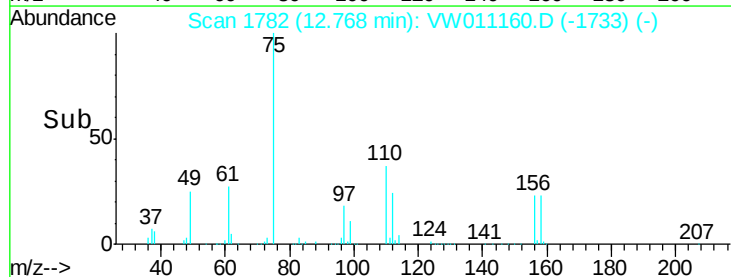
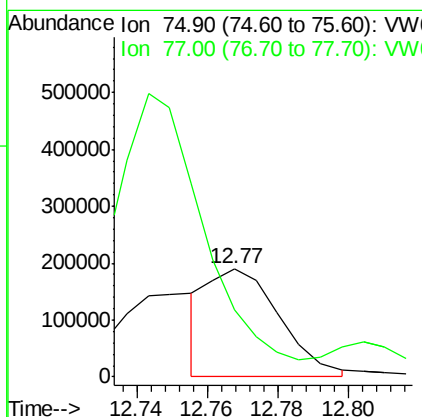
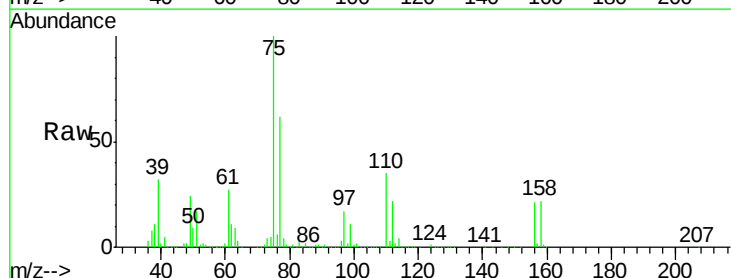
RT: 12.77 min Scan# 1782

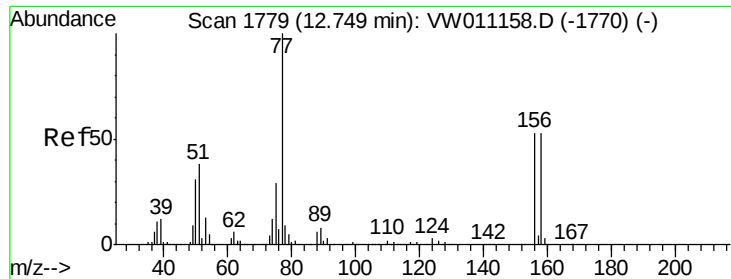
Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Tgt Ion:	75	Resp:	269589
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





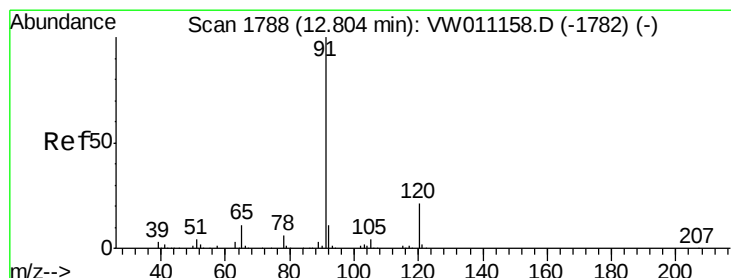
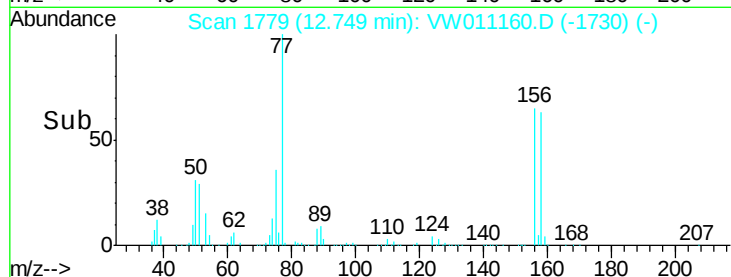
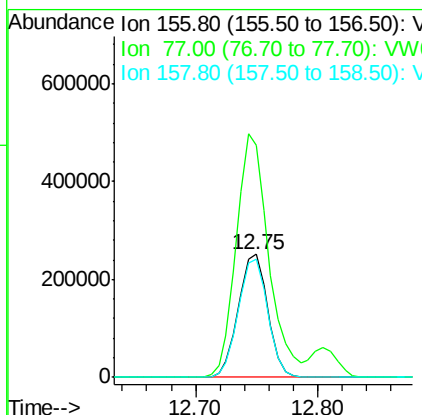
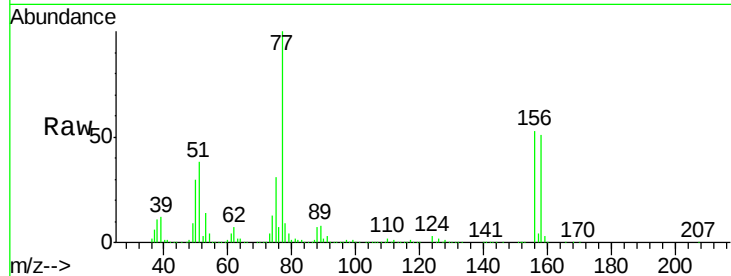
#77
Bromobenzene
Concen: 148.967 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	217.3	109.0	327.0	
158	96.6	48.8	146.3	

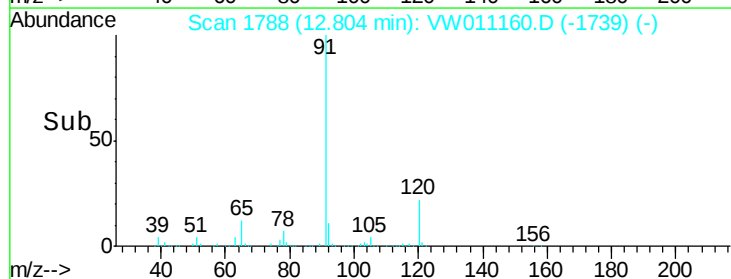
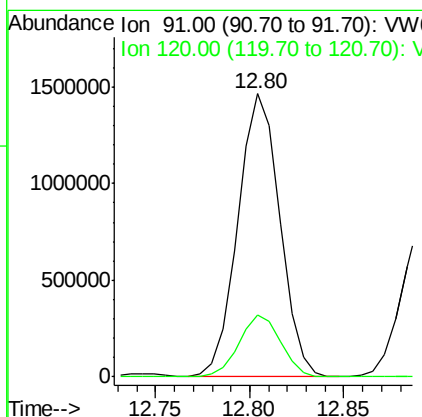
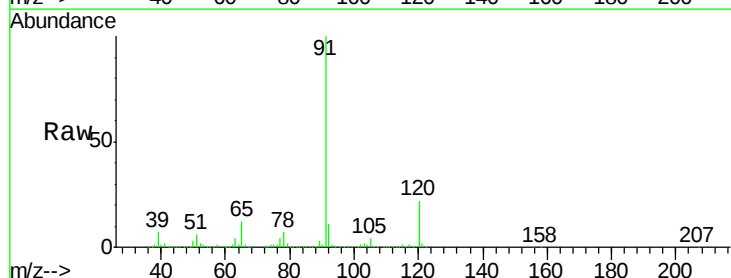
Manual Integrations
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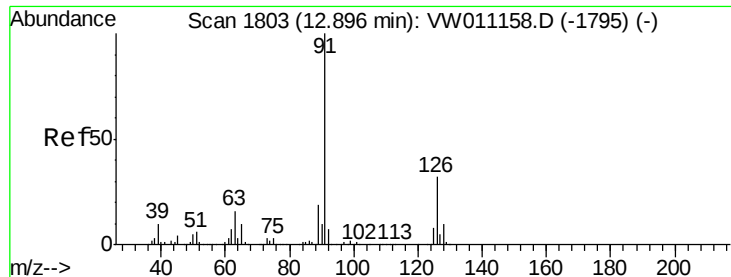
MMDadoda
7/9/2019 4:13:01 PM



#78
n-propylbenzene
Concen: 145.962 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	10.8	32.3	





#79

2-Chlorotoluene

Concen: 146.620 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1303871

Ion Ratio Lower Upper

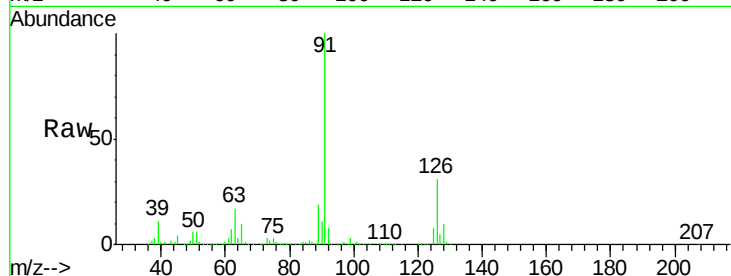
91 100

126 31.3 15.8 47.3

Manual Integrations
APPROVED

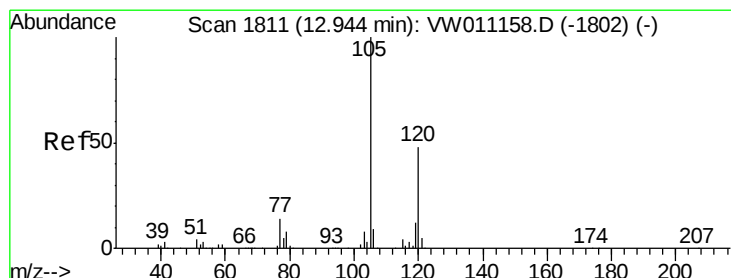
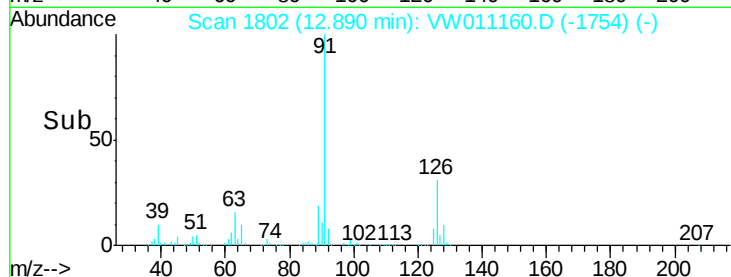
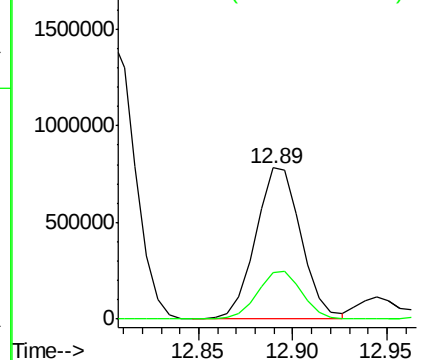
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 146.262 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011160.D

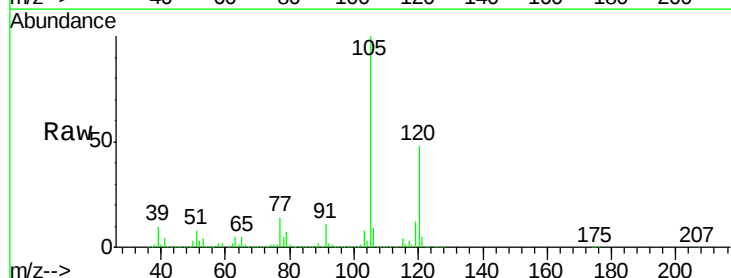
Acq: 08 Jul 2019 12:55

Tgt Ion:105 Resp: 1558813

Ion Ratio Lower Upper

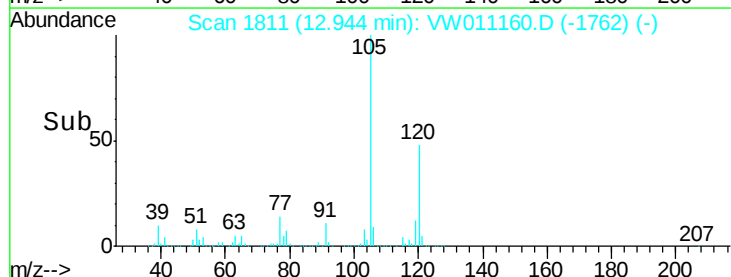
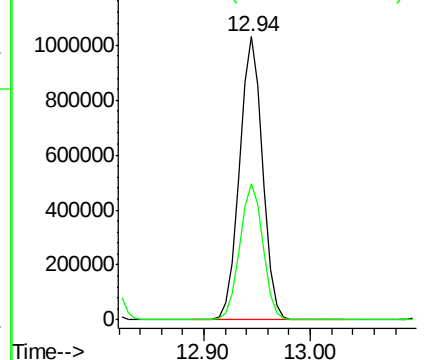
105 100

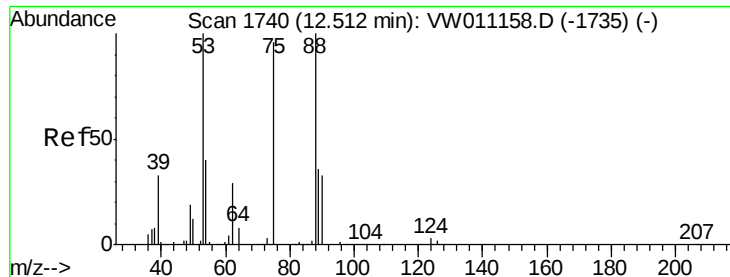
120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





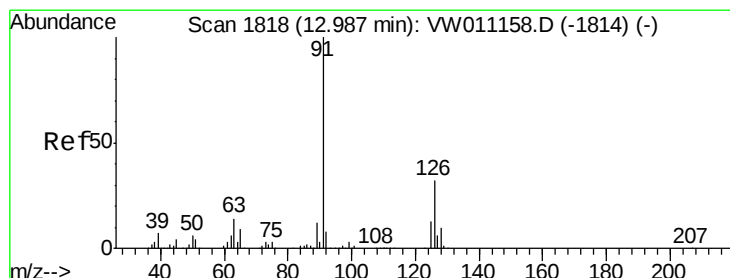
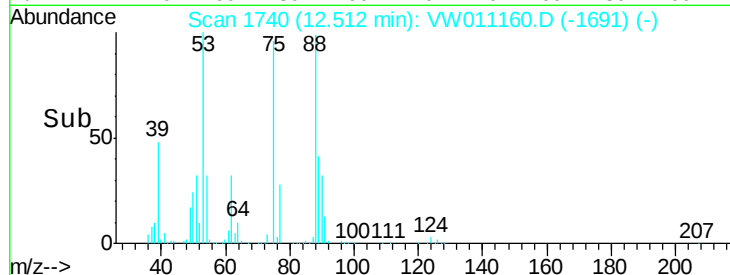
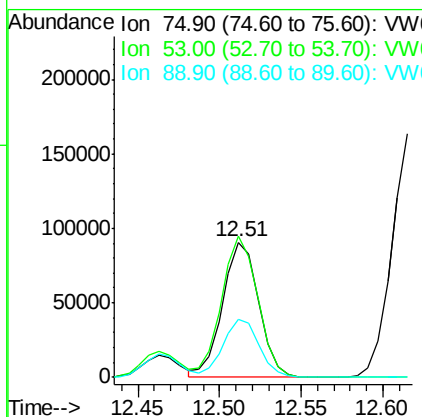
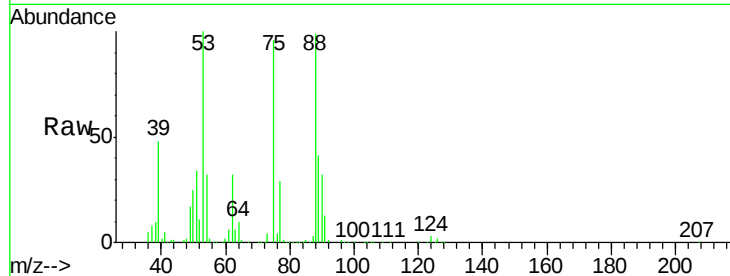
#81
trans-1,4-Dichloro-2-butene
Concen: 161.496 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.4	89.8	134.6
89	43.3	34.3	51.5

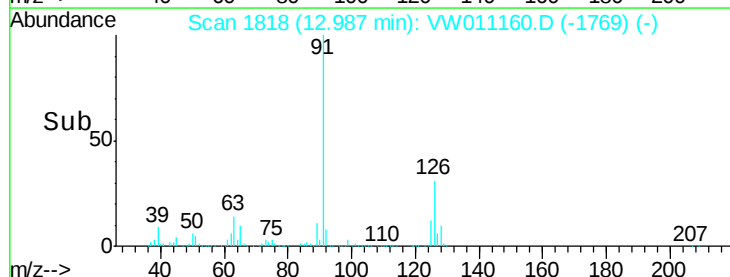
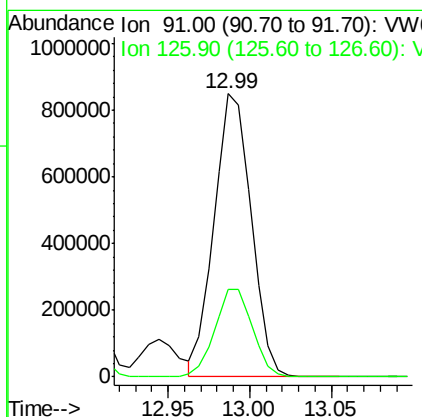
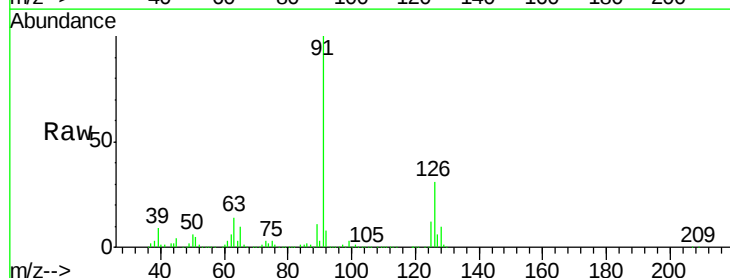
Manual Integrations
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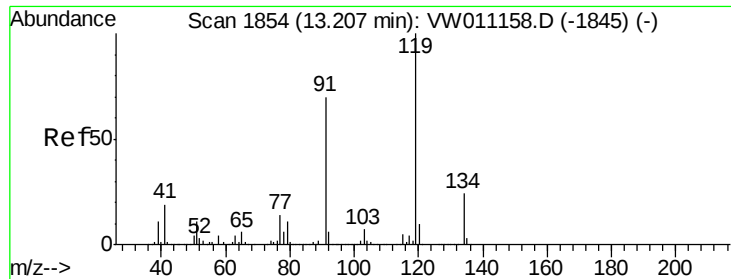
MMDadoda
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#82
4-Chlorotoluene
Concen: 145.334 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1





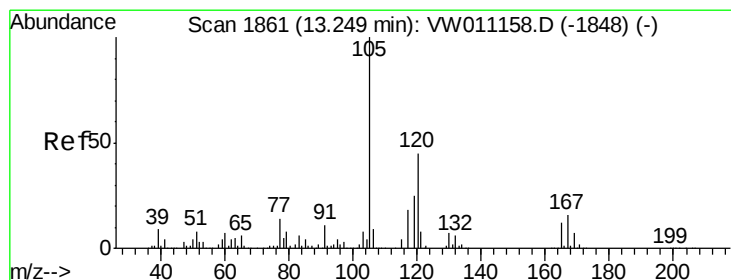
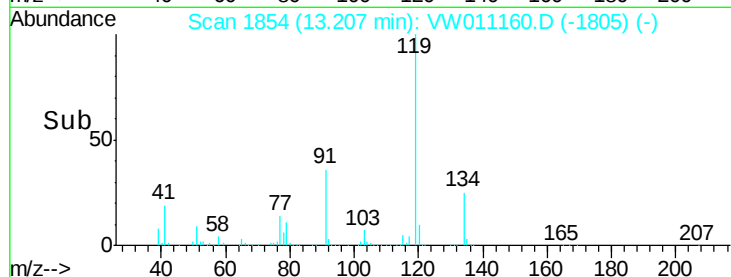
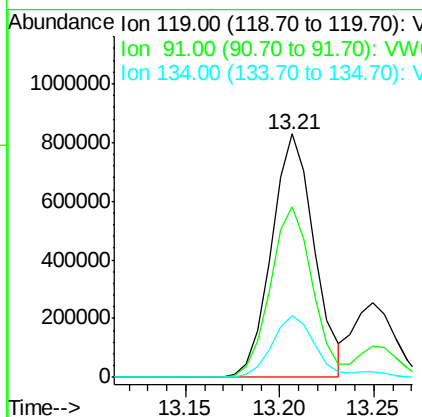
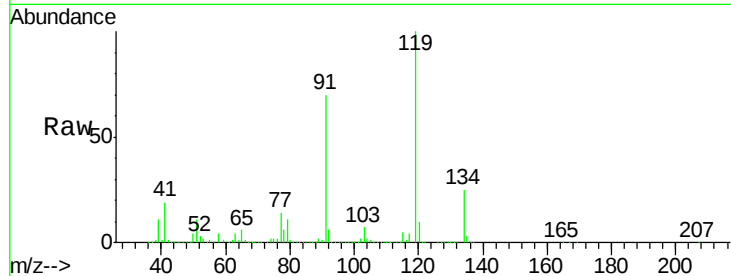
#83
tert-Butylbenzene
Concen: 146.333 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1300664
Ion Ratio Lower Upper
119 100
91 70.1 35.4 106.3
134 25.2 13.4 40.2

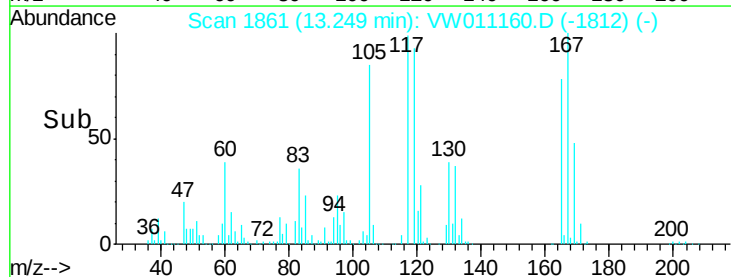
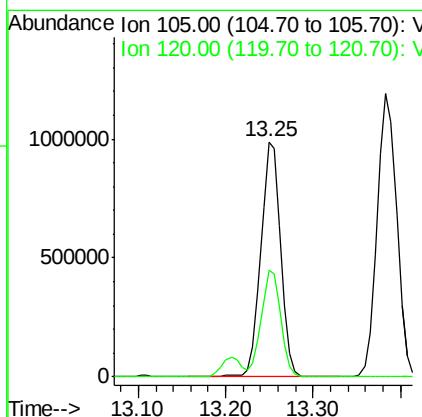
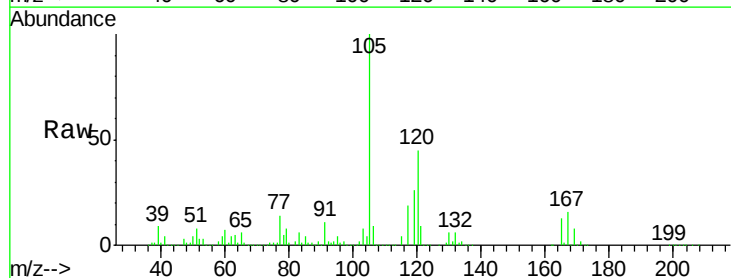
Manual Integrations
APPROVED

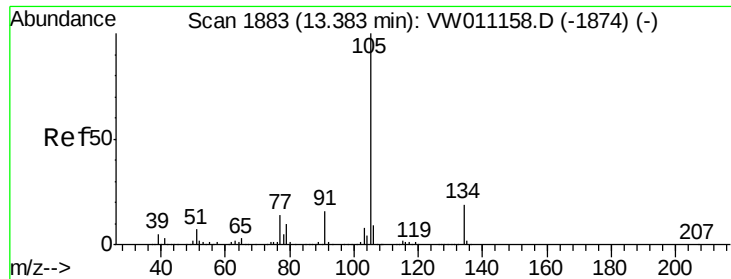
MMDadoda
7/9/2019 4:13:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 145.831 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion:105 Resp: 1560616
Ion Ratio Lower Upper
105 100
120 44.8 22.3 66.9





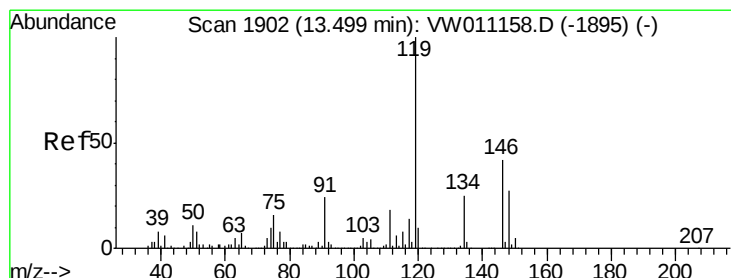
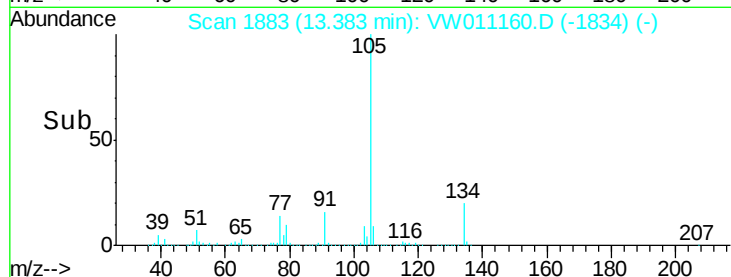
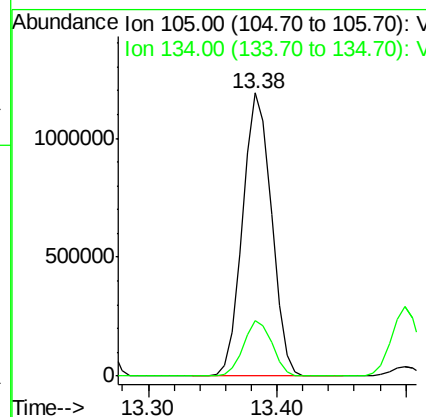
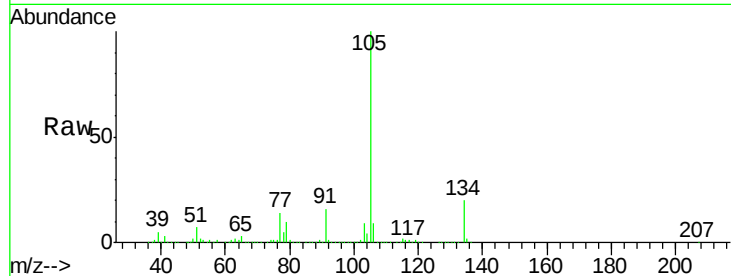
#85
 sec-Butylbenzene
 Concen: 143.962 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1846384
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 28.9

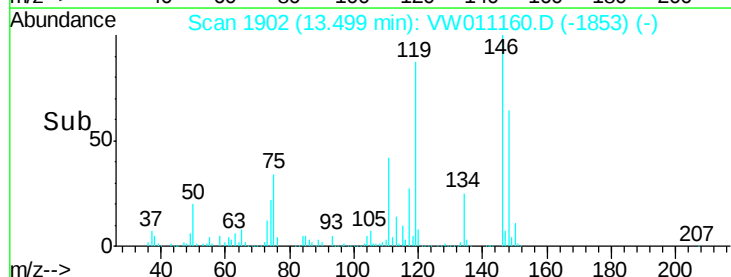
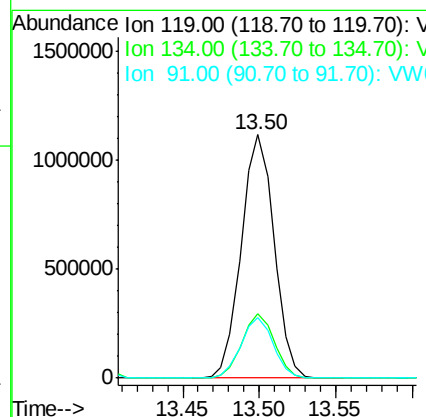
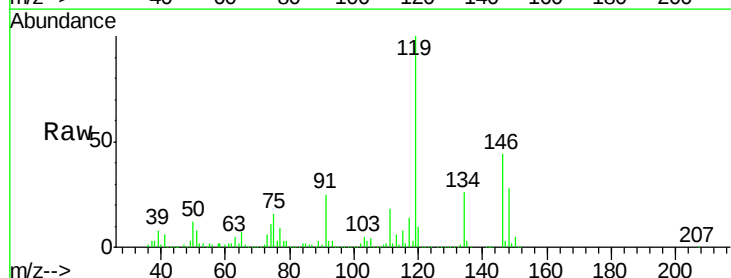
Manual Integrations
 APPROVED

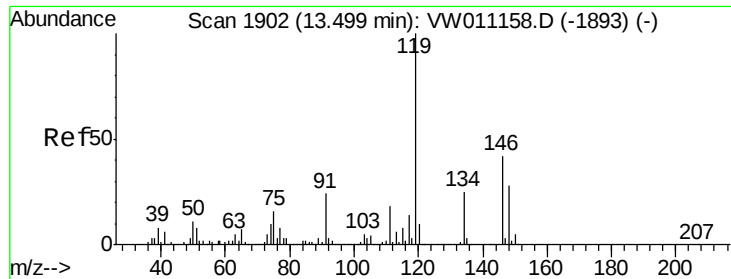
MMDadoda
 7/9/2019 4:13:01 PM



#86
 p-Isopropyltoluene
 Concen: 144.477 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Tgt Ion:119 Resp: 1661977
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 144.832 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

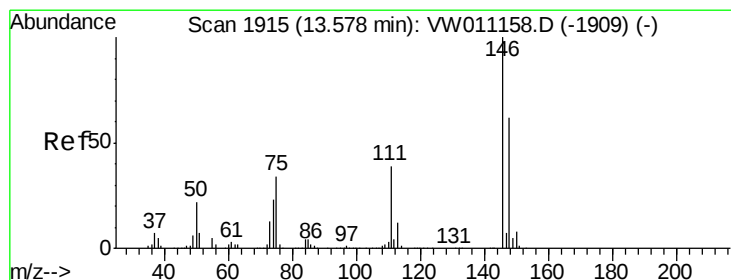
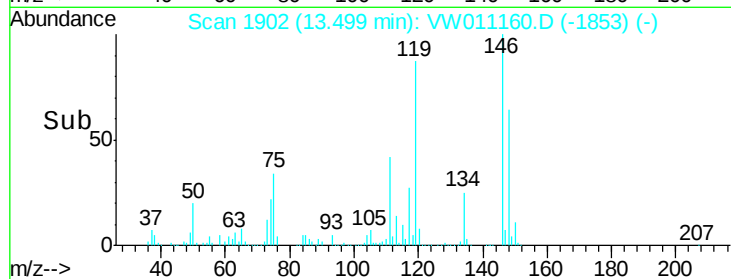
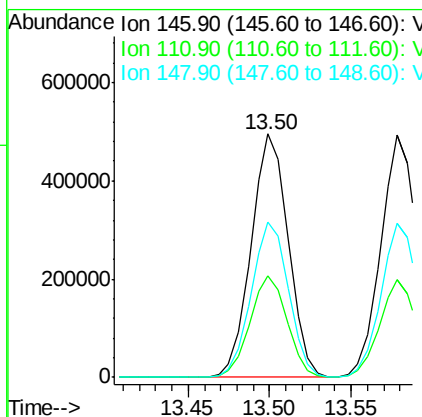
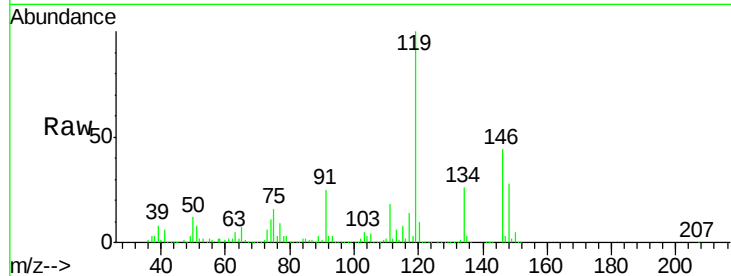
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.6	21.1	63.1	
148	64.2	32.6	97.7	

Manual Integrations
APPROVED

MMDadoda
7/9/2019 4:13:01 PM



#88

1,4-Dichlorobenzene

Concen: 142.188 ug/l

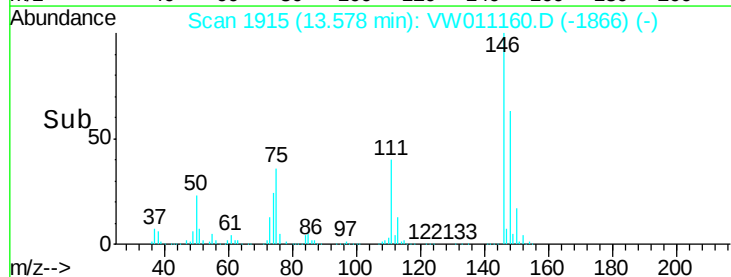
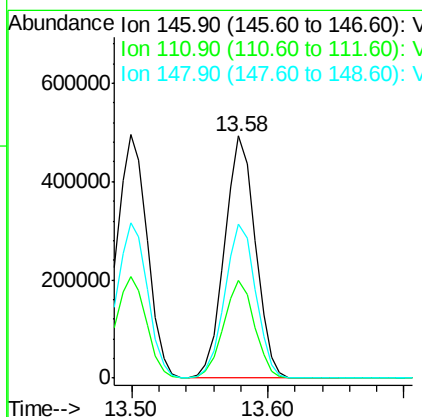
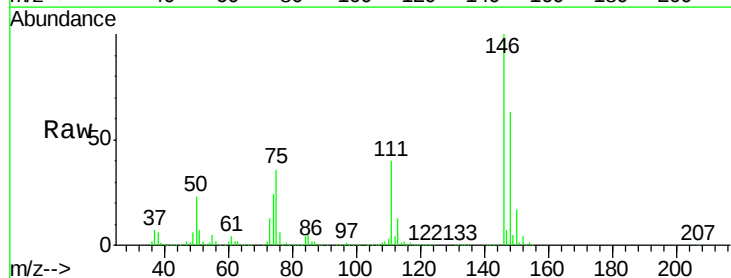
RT: 13.58 min Scan# 1915

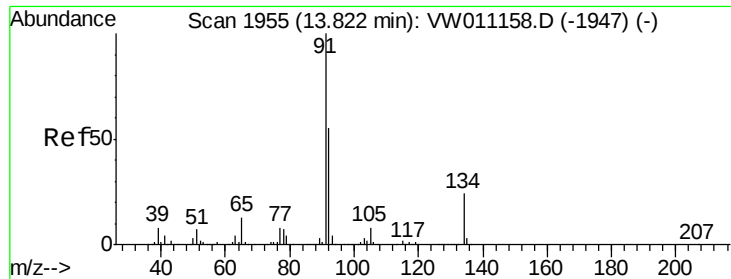
Delta R.T. -0.00 min

Lab File: VW011160.D

Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.3	19.9	59.7	
148	63.9	31.5	94.5	





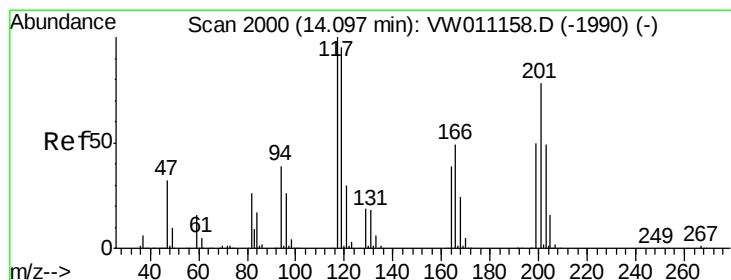
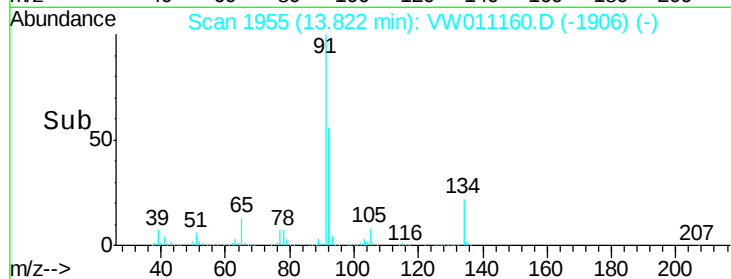
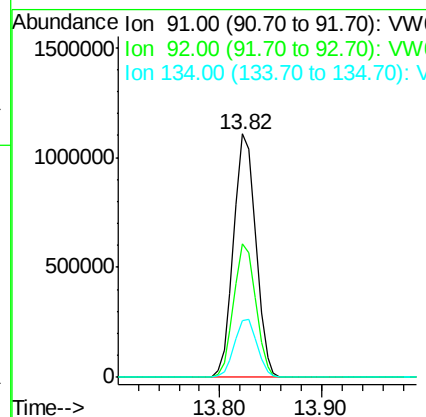
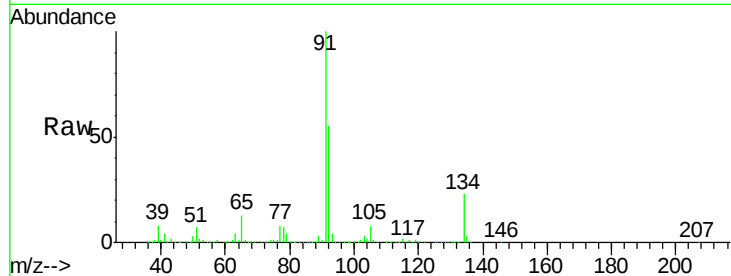
#89
n-Butylbenzene
Concen: 144.632 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	26.9	80.7
134	24.4	12.2	36.4

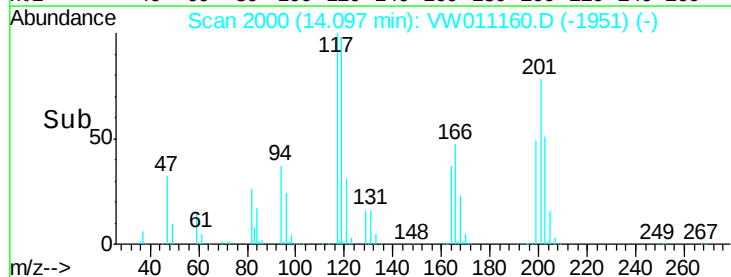
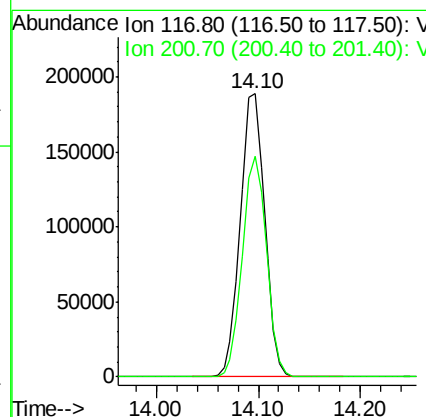
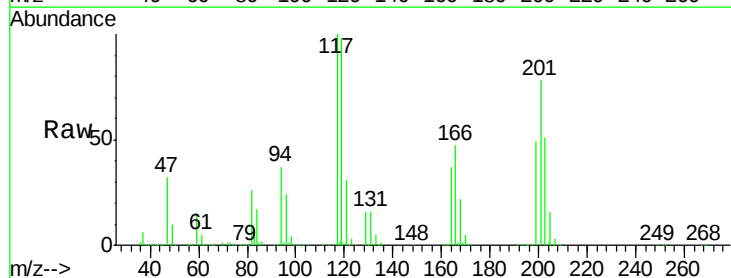
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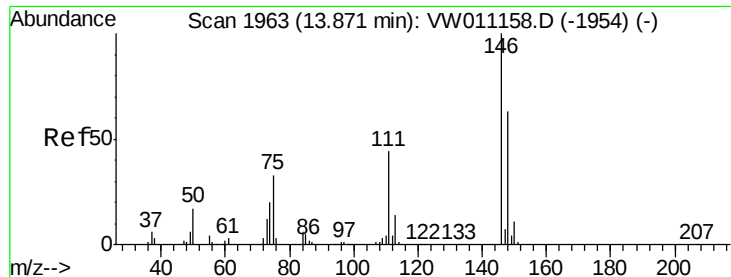
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#90
Hexachloroethane
Concen: 149.014 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.3	114.8





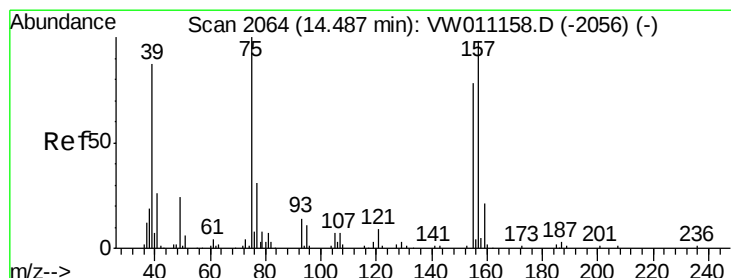
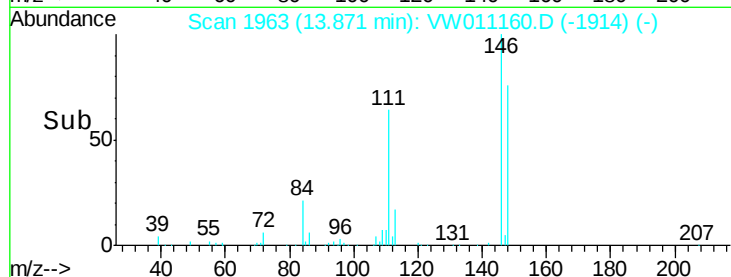
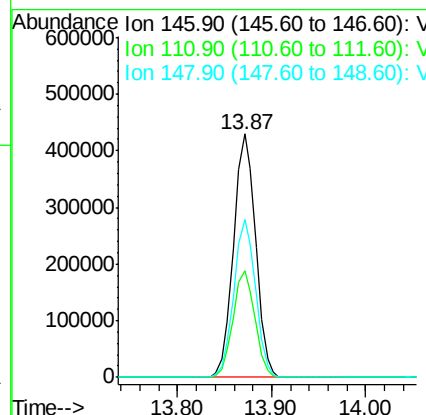
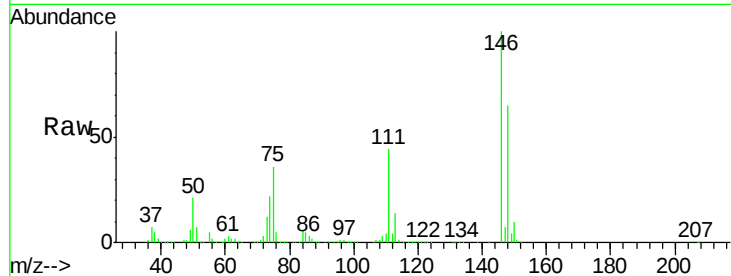
#91
 1,2-Dichlorobenzene
 Concen: 142.036 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	65.0
148	64.0	31.9	95.5

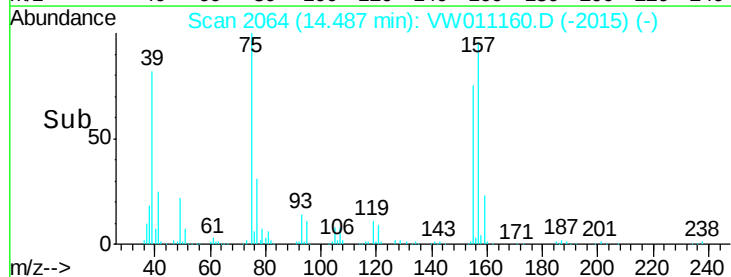
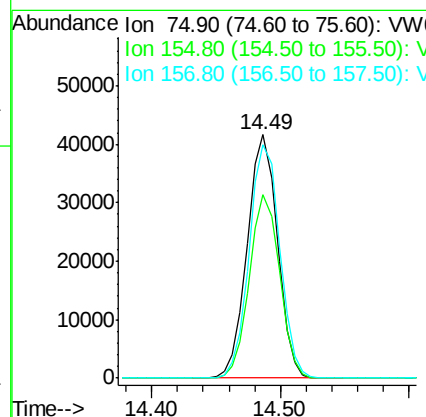
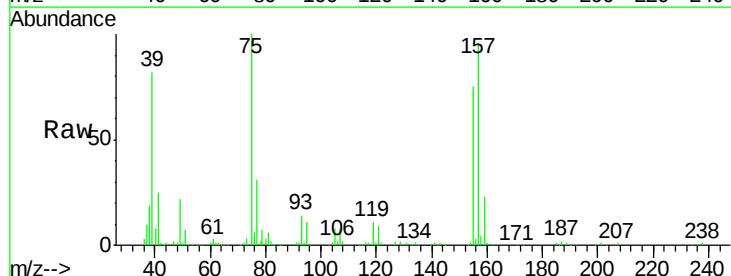
Manual Integrations
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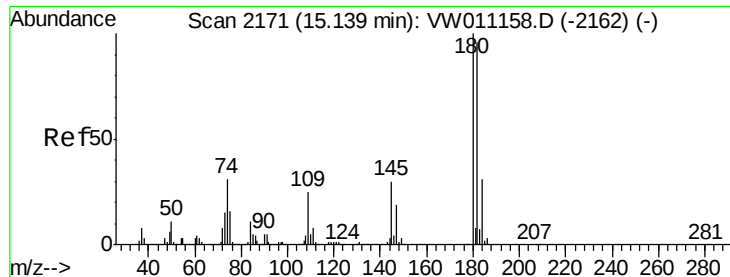
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 147.634 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	37.1	111.3
157	96.7	48.5	145.6





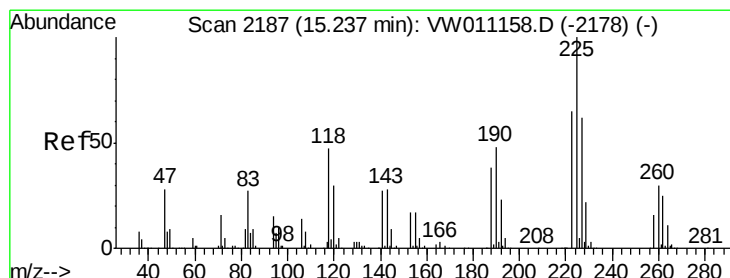
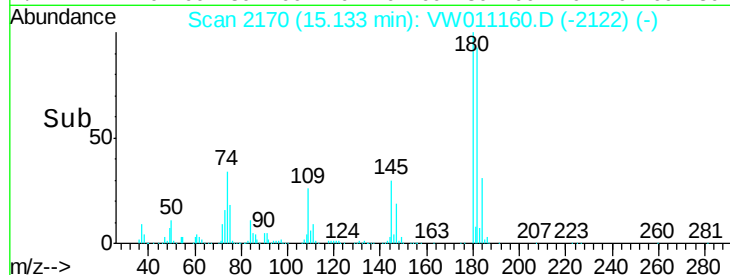
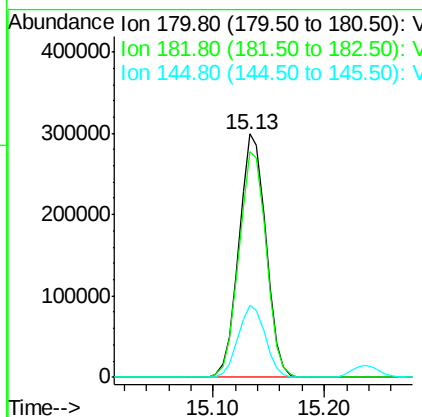
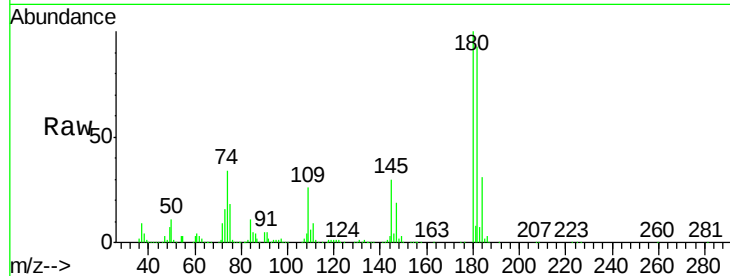
#93
 1,2,4-Trichlorobenzene
 Concen: 148.165 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	501494		
182	93.9	48.3	144.9	
145	29.8	15.5	46.5	

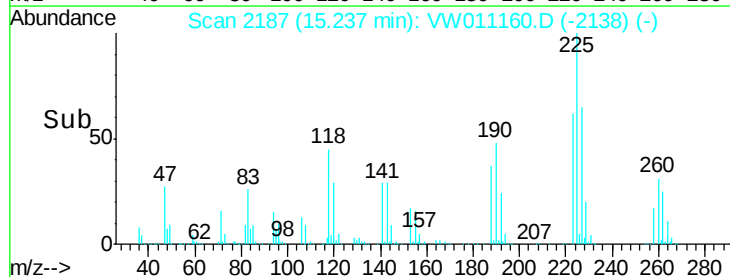
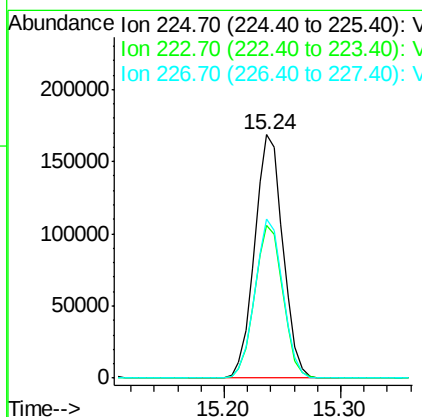
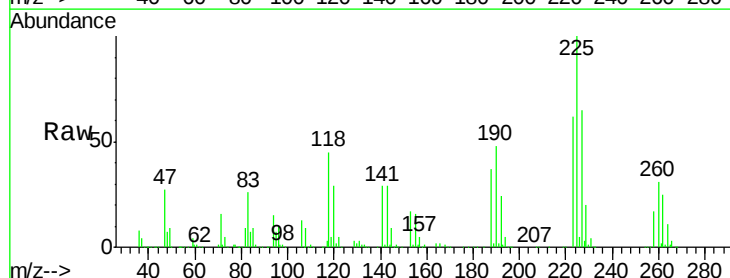
Manual Integrations
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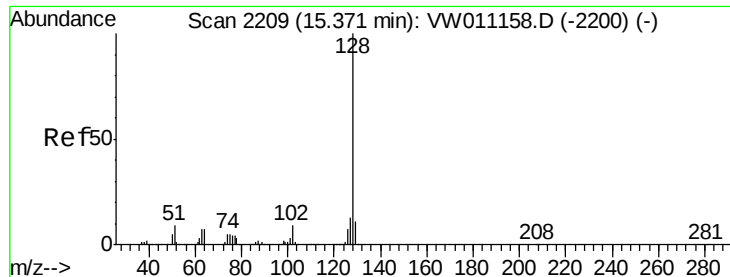
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#94
 Hexachlorobutadiene
 Concen: 137.065 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011160.D
 Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	284820		
223	62.9	31.6	95.0	
227	64.5	32.0	96.0	





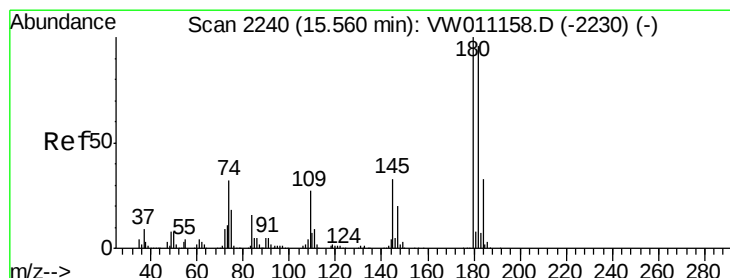
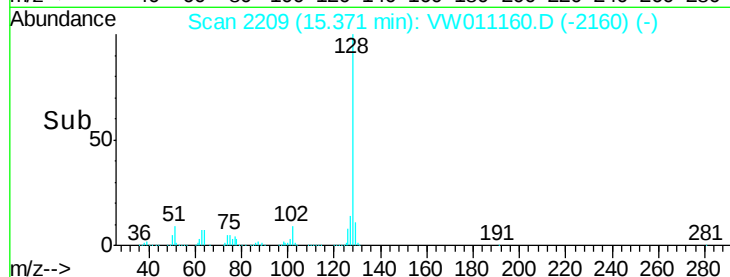
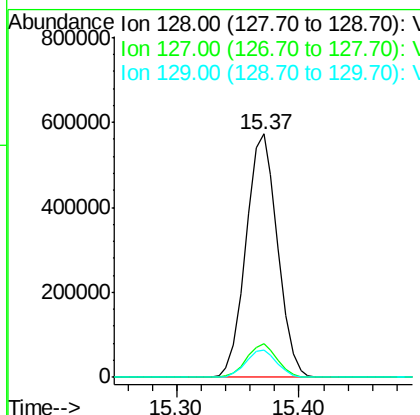
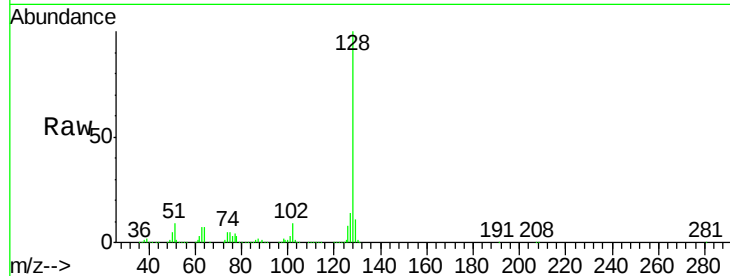
#95
Naphthalene
Concen: 158.085 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 148.870 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011160.D
Acq: 08 Jul 2019 12:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.6	142.8
145	31.8	16.5	49.5

