

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013084.D
 Acq On : 17 Sep 2019 12:37
 Operator : SY/VA
 Sample : K4851-03MSD
 Misc : 4.88G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:27:25 AM

Quant Time: Sep 18 06:31:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	61672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	92323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	81806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	40802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	30596	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	7.88	113	25605	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.32	98	105821	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.62	95	37639	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	6326	24.516	ug/l	92
3) Chloromethane	2.21	50	18823	64.870	ug/l	97
4) Vinyl Chloride	2.36	62	24467	55.427	ug/l	99
5) Bromomethane	2.78	94	14069	52.190	ug/l	88
6) Chloroethane	2.92	64	15525	57.344	ug/l	97
7) Trichlorofluoromethane	3.26	101	34727	112.499	ug/l	97
8) Diethyl Ether	3.68	74	13517	56.079	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	26158	55.871	ug/l	99
10) Methyl Iodide	4.26	142	34963	59.671	ug/l	100
11) Tert butyl alcohol	5.15	59	11722	310.010	ug/l	96
12) 1,1-Dichloroethene	4.04	96	22330	52.455	ug/l	99
13) Acrolein	3.90	56	4727	108.612	ug/l	92
14) Allyl chloride	4.67	41	42700	52.836	ug/l	100
15) Acrylonitrile	5.37	53	37975	308.472	ug/l	98
16) Acetone	4.12	43	49376	412.186	ug/l	98
17) Carbon Disulfide	4.37	76	44119	52.006	ug/l	99
18) Methyl Acetate	4.67	43	24950	76.886	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	67135	79.894	ug/l	97
20) Methylene Chloride	4.92	84	26891	59.415	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	24542	53.828	ug/l	95
22) Diisopropyl ether	6.31	45	101272	60.321	ug/l	97
23) Vinyl Acetate	6.25	43	196069	194.987	ug/l	99
24) 1,1-Dichloroethane	6.21	63	52725	54.468	ug/l	98
25) 2-Butanone	7.16	43	56204	310.323	ug/l	97
26) 2,2-Dichloropropane	7.16	77	47473	79.868	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	31137	57.043	ug/l	97
28) Bromochloromethane	7.51	49	24764	60.781	ug/l #	99
29) Tetrahydrofuran	7.53	42	31949	309.596	ug/l	98
30) Chloroform	7.68	83	52992	53.878	ug/l	100
31) Cyclohexane	7.96	56	42834	59.780	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	46937	57.949	ug/l	100
36) 1,1-Dichloropropene	8.08	75	38336	51.964	ug/l	99
37) Ethyl Acetate	7.26	43	21385	54.612	ug/l	99
38) Carbon Tetrachloride	8.06	117	39080	51.692	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	42334	52.367	ug/l	96
40) Benzene	8.32	78	110460	53.634	ug/l	98
41) Methacrylonitrile	7.48	41	14553	56.435	ug/l	93
42) 1,2-Dichloroethane	8.40	62	36682	53.132	ug/l	96
43) Isopropyl Acetate	8.43	43	42211	56.142	ug/l	98
44) Trichloroethene	9.09	130	30790	54.580	ug/l	92
45) 1,2-Dichloropropane	9.37	63	31177	56.977	ug/l	92
46) Dibromomethane	9.46	93	14363	54.788	ug/l	99
47) Bromodichloromethane	9.65	83	38552	52.427	ug/l	97
48) Methyl methacrylate	9.44	41	19133	54.223	ug/l	97
49) 1,4-Dioxane	9.44	88	4968	1130.956	ug/l	88
51) 4-Methyl-2-Pentanone	10.21	43	118547	305.403	ug/l	100
52) Toluene	10.39	92	72354	55.287	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38822	52.494	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	45638	53.934	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	23463	58.751	ug/l	99
56) Ethyl methacrylate	10.65	69	30041	55.884	ug/l	99
57) 1,3-Dichloropropane	10.93	76	41218	58.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	75036	260.215	ug/l	99
59) 2-Hexanone	10.97	43	86188	318.880	ug/l	99
60) Dibromochloromethane	11.13	129	26703	55.305	ug/l	97
61) 1,2-Dibromoethane	11.23	107	20767	57.003	ug/l	96
64) Tetrachloroethene	10.86	164	41145	84.544	ug/l	95
65) Chlorobenzene	11.66	112	77753	53.360	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	30561	54.729	ug/l	99
67) Ethyl Benzene	11.73	91	143500	53.322	ug/l	99
68) m/p-Xylenes	11.84	106	105036	106.839	ug/l	100
69) o-Xylene	12.16	106	51378	55.743	ug/l	99
70) Styrene	12.18	104	87269	53.226	ug/l	98
71) Bromoform	12.35	173	16560	56.458	ug/l #	100
73) Isopropylbenzene	12.46	105	147835	54.663	ug/l	99
74) N-amyl acetate	12.27	43	34120	49.044	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	27786	58.496	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	19532m	54.651	ug/l	
77) Bromobenzene	12.74	156	34975	56.136	ug/l	97
78) n-propylbenzene	12.80	91	171921	54.042	ug/l	100
79) 2-Chlorotoluene	12.89	91	101295	55.389	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	126083	55.107	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8646	54.879	ug/l	98
82) 4-Chlorotoluene	12.99	91	105017	54.426	ug/l	99
83) tert-Butylbenzene	13.21	119	109995	53.747	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	123825	54.768	ug/l	98
85) sec-Butylbenzene	13.38	105	152473	54.684	ug/l	99
86) p-Isopropyltoluene	13.50	119	136535	53.335	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	65319	52.960	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	64120	52.903	ug/l	99
89) n-Butylbenzene	13.82	91	122883	50.899	ug/l	99
90) Hexachloroethane	14.09	117	23027	50.195	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	58894	54.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4514	51.917	ug/l	97

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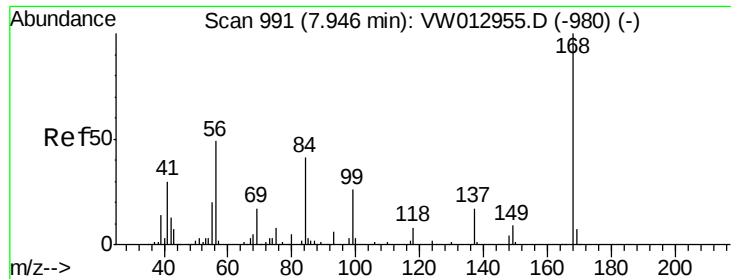
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	30741	39.742	ug/l	97
94) Hexachlorobutadiene	15.24	225	23602	43.102	ug/l	96
95) Naphthalene	15.37	128	48318	37.385	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	28018	40.975	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013084.D

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Tot Ion:168 Resp: 61672

Ion Ratio Lower Upper

168 100

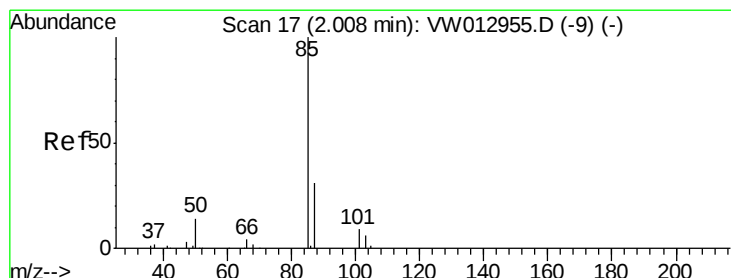
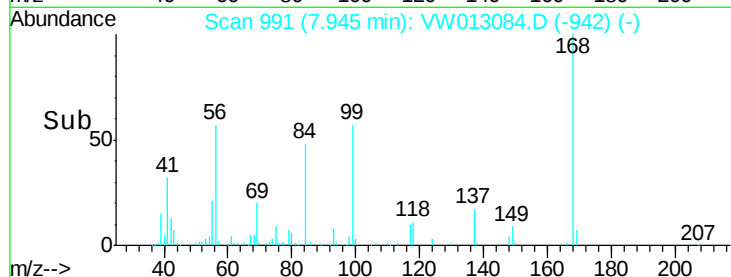
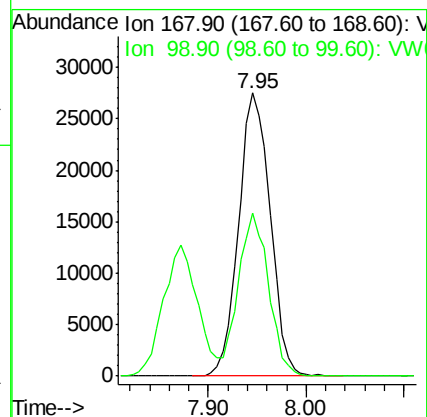
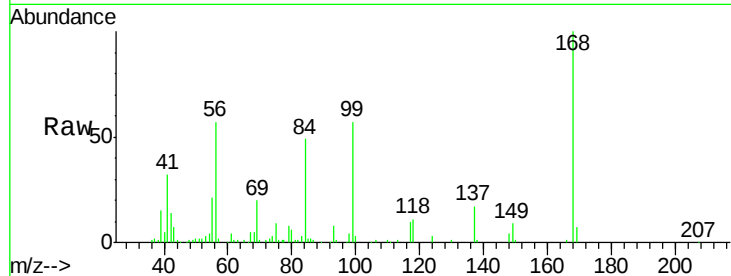
99 57.4 46.2 69.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 24.516 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013084.D

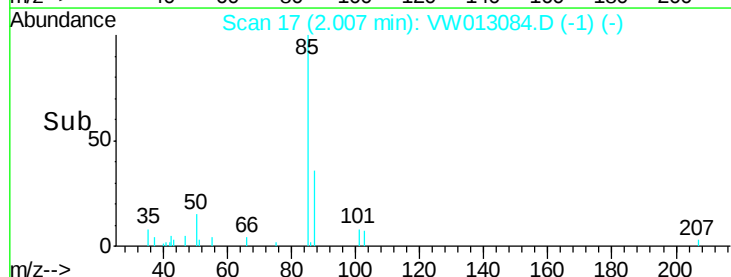
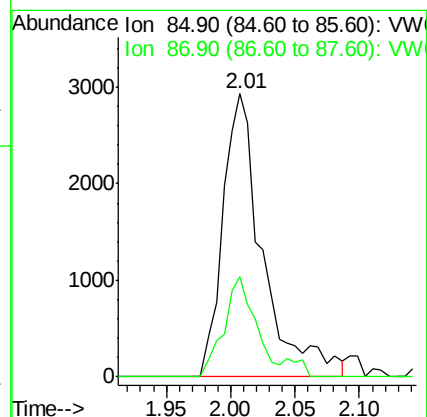
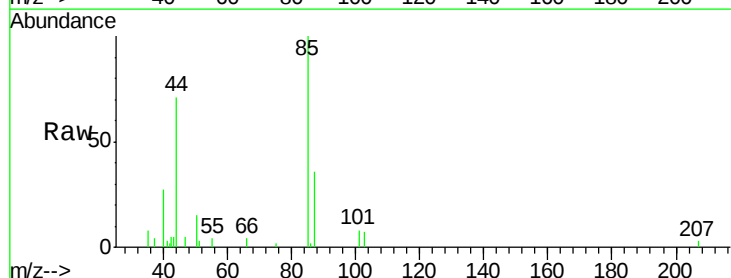
Acq: 17 Sep 2019 12:37

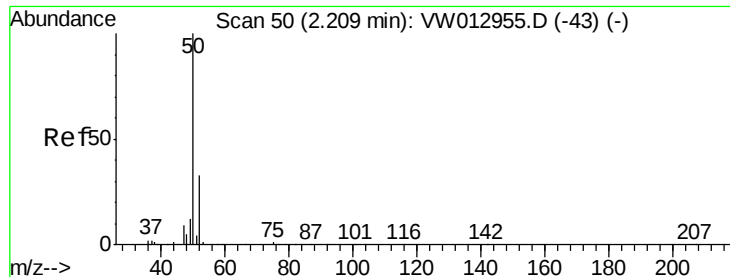
Tgt Ion: 85 Resp: 6326

Ion Ratio Lower Upper

85 100

87 35.5 15.4 46.4





#3

Chloromethane

Concen: 64.870 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 50 Resp: 18823

Ion Ratio Lower Upper

50 100

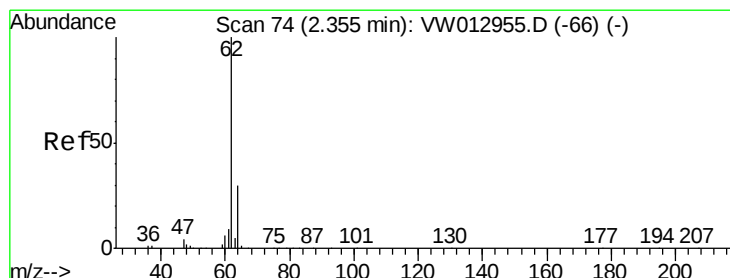
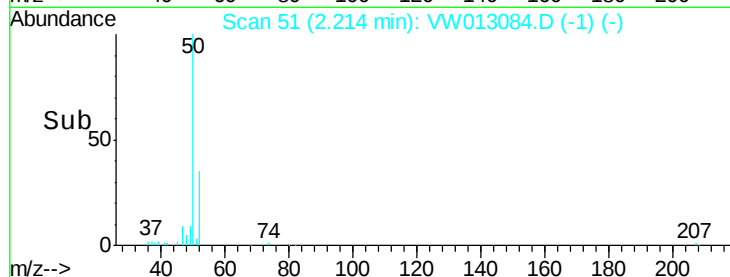
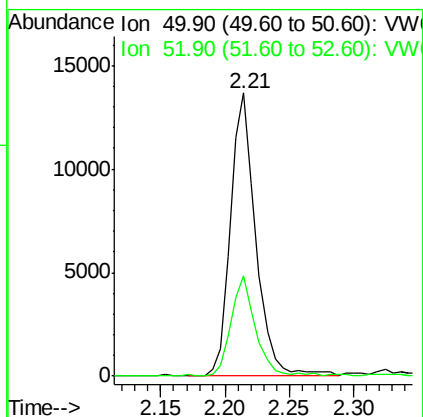
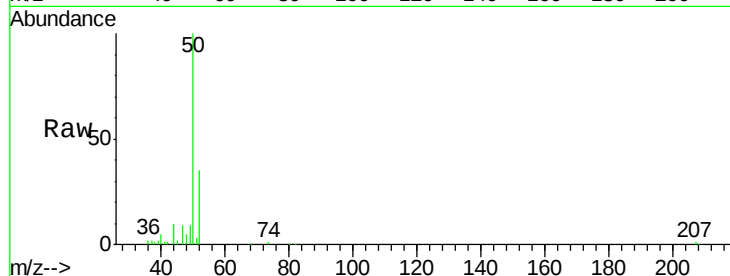
52 34.7 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.427 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013084.D

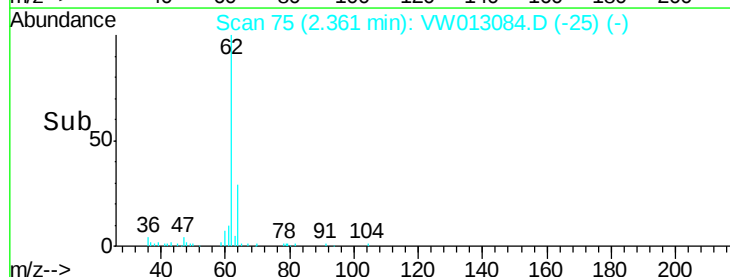
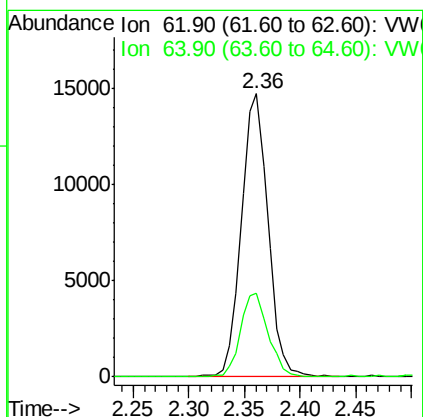
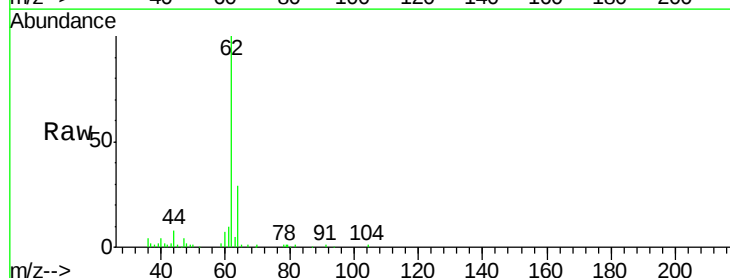
Acq: 17 Sep 2019 12:37

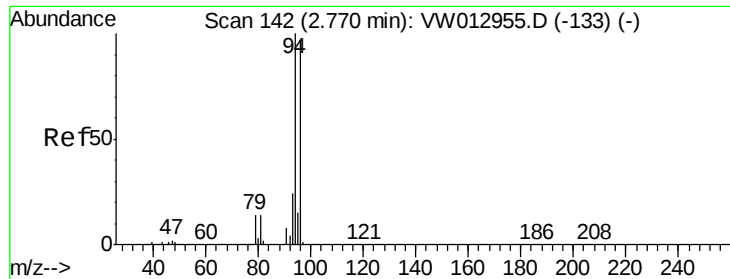
Tgt Ion: 62 Resp: 24467

Ion Ratio Lower Upper

62 100

64 29.5 24.2 36.4





#5

Bromomethane

Concen: 52.190 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

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Tot Ion: 94 Resp: 14069

Ion Ratio Lower Upper

94 100

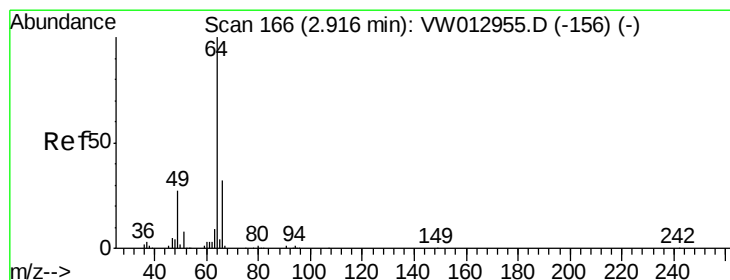
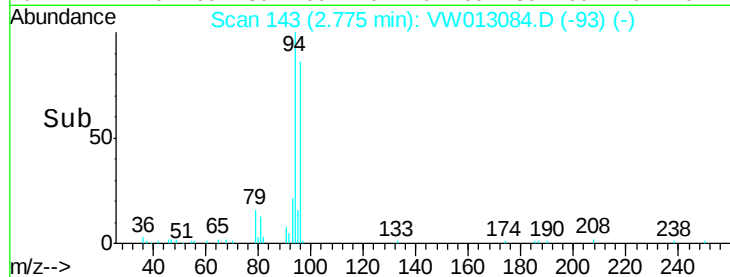
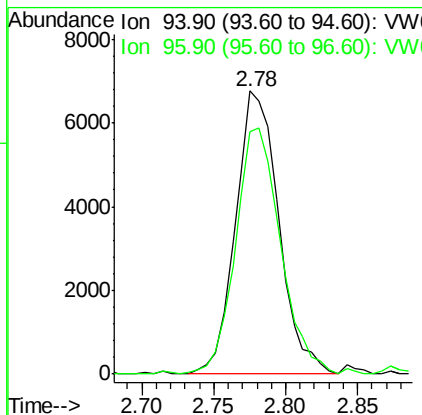
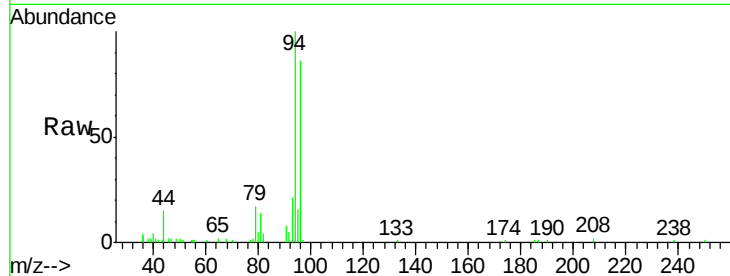
96 85.6 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 57.344 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013084.D

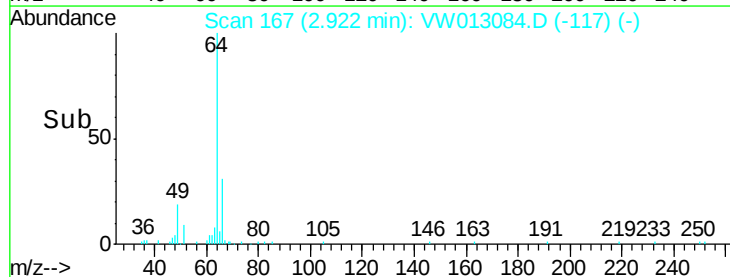
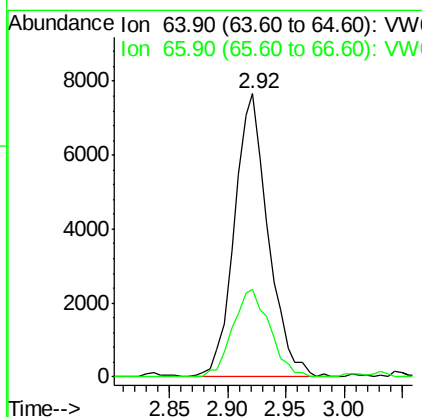
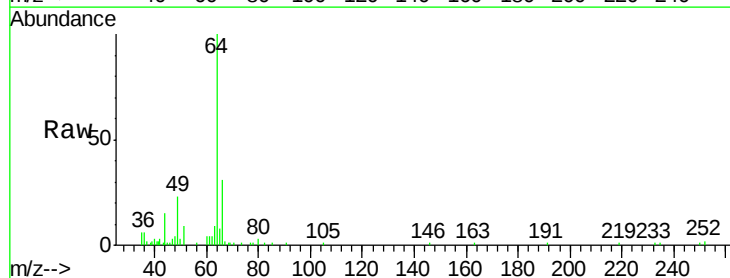
Acq: 17 Sep 2019 12:37

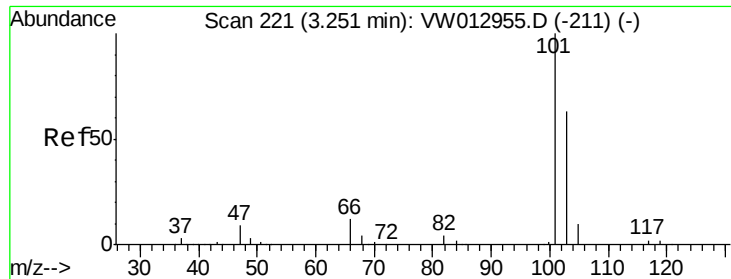
Tgt Ion: 64 Resp: 15525

Ion Ratio Lower Upper

64 100

66 30.7 25.9 38.9





#7

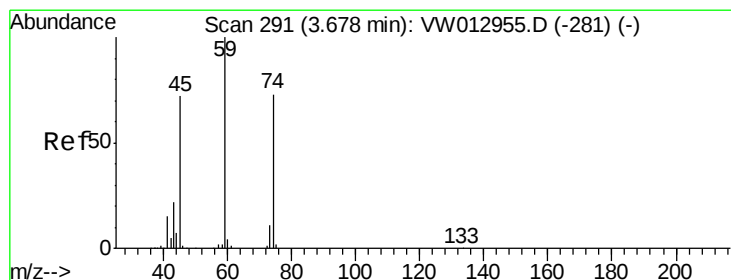
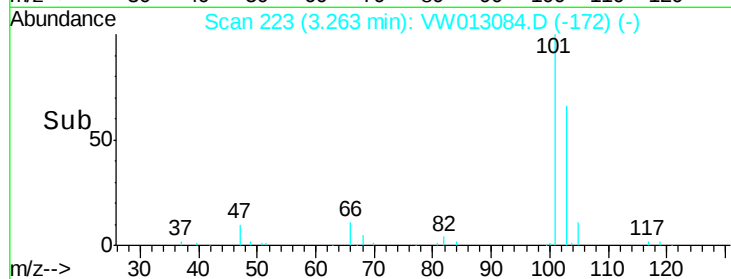
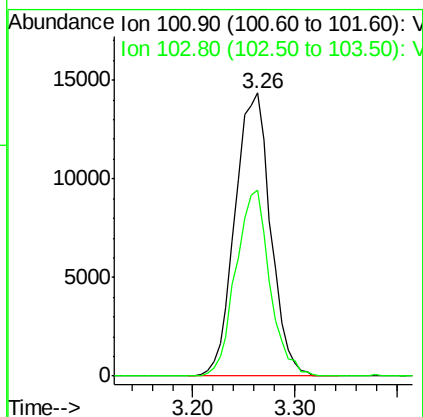
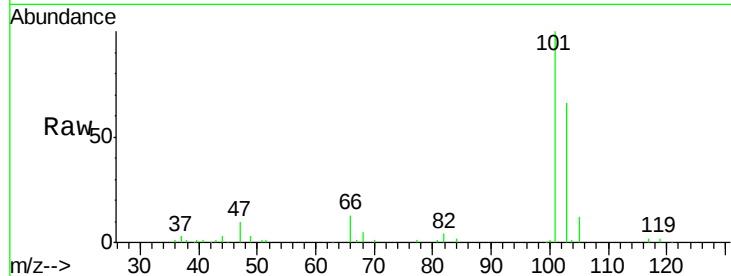
Trichlorofluoromethane
Concen: 112.499 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.7	76.1

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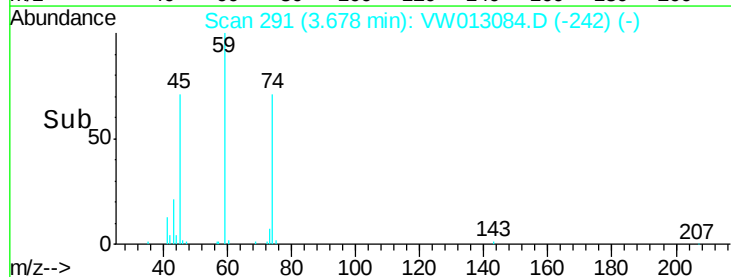
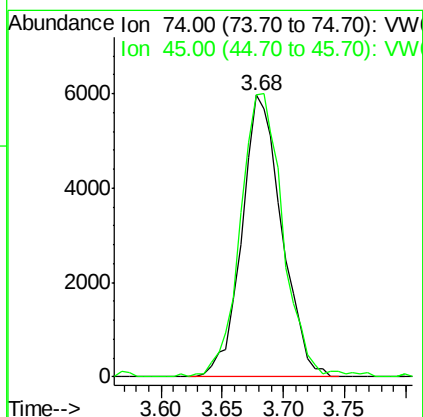
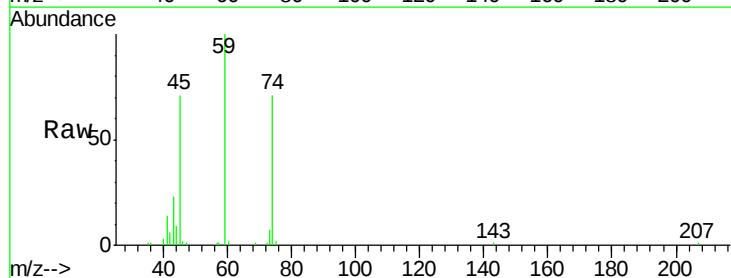
MMDadoda
9/19/2019 1:27:25 AM

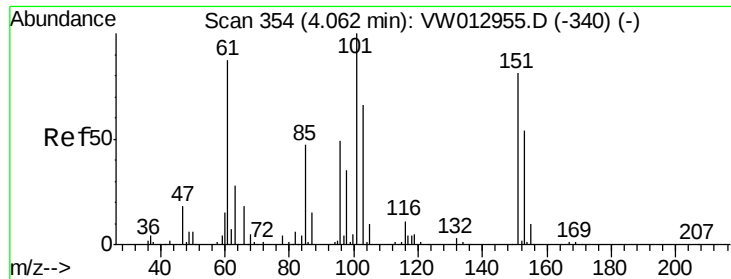


#8

Diethyl Ether
Concen: 56.079 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.0	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.871 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

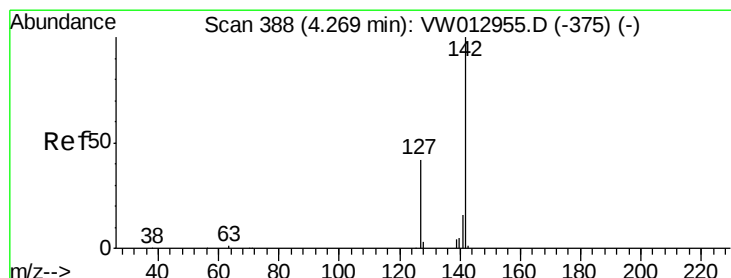
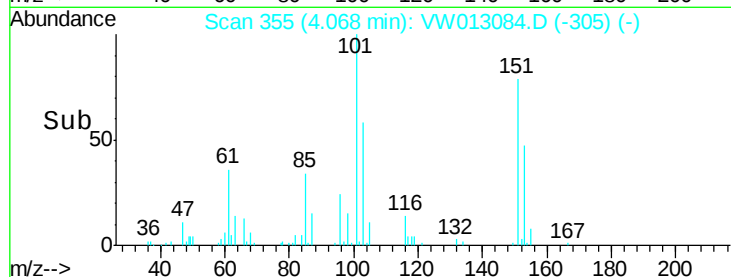
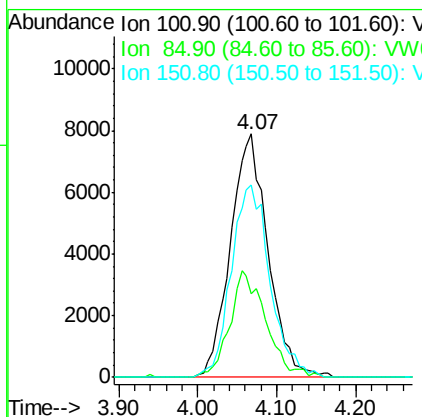
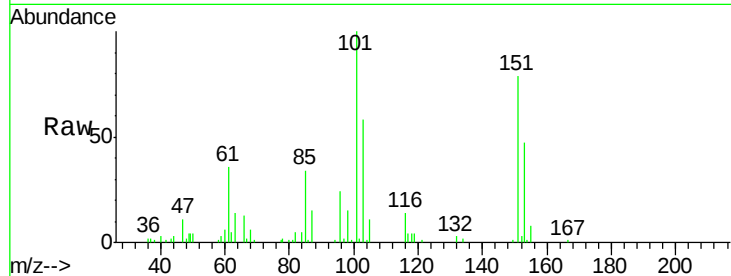
ClientSampleId :

SB-3C-(9)MSD

Tot Ion:	101	Resp:	26158
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.9	52.3
151	81.6	66.0	99.0

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#10

Methyl Iodide

Concen: 59.671 ug/l

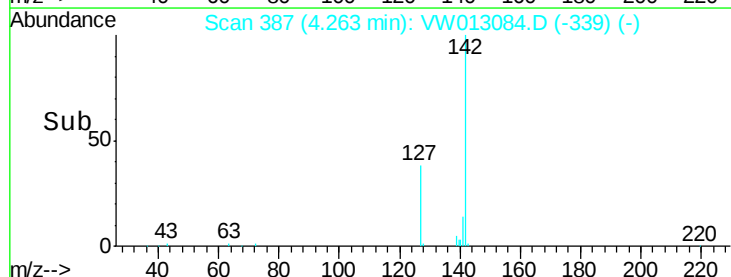
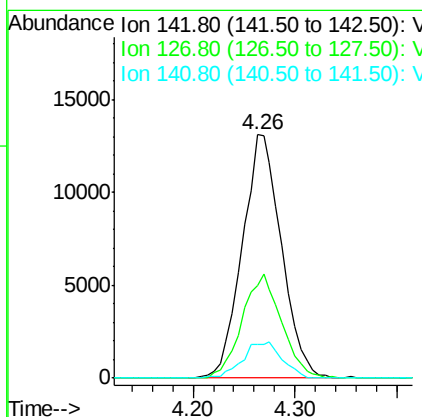
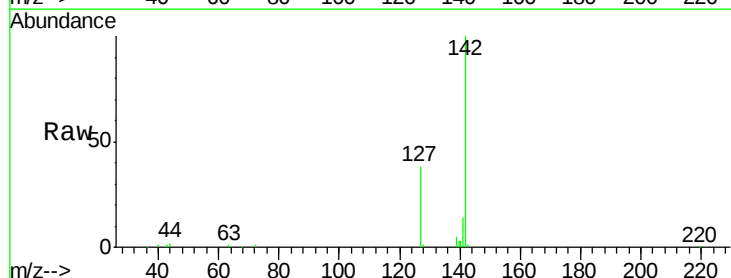
RT: 4.26 min Scan# 387

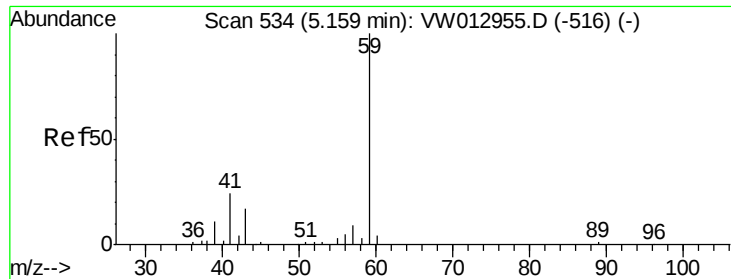
Delta R.T. -0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Tgt Ion:	142	Resp:	34963
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.7	52.1
141	15.0	12.2	18.2





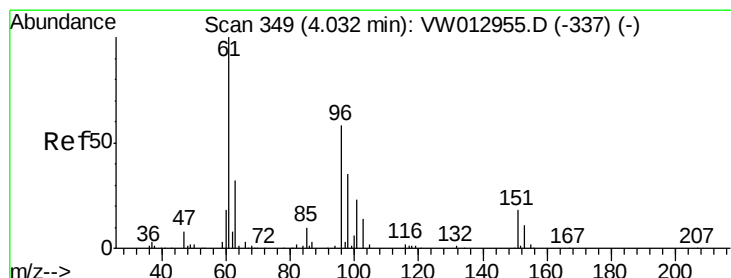
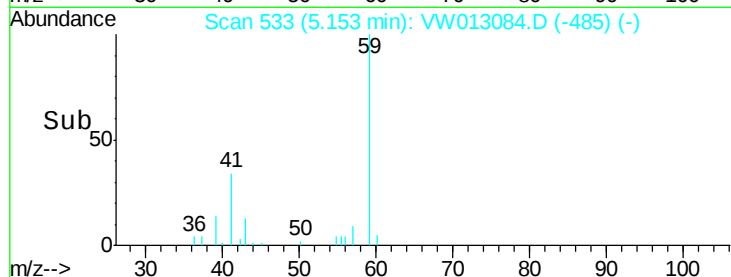
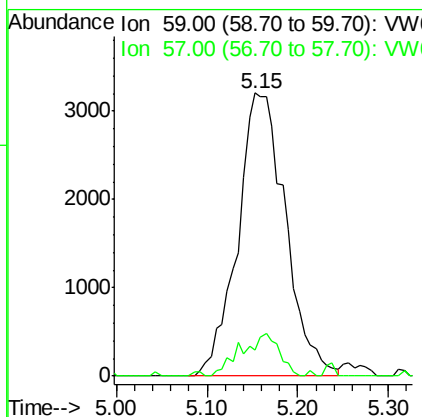
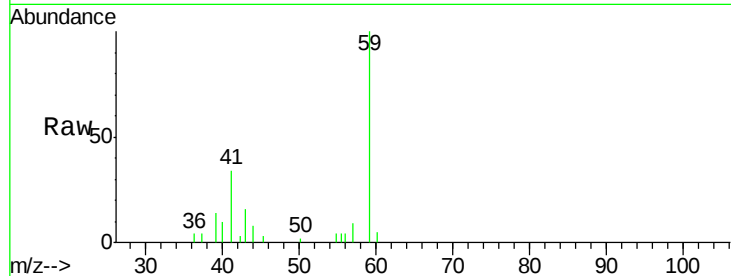
#11
Tert butyl alcohol
Concen: 310.010 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	59	Resp	11722
Ion Ratio	100	Lower	Upper
57	12.0	8.5	12.7

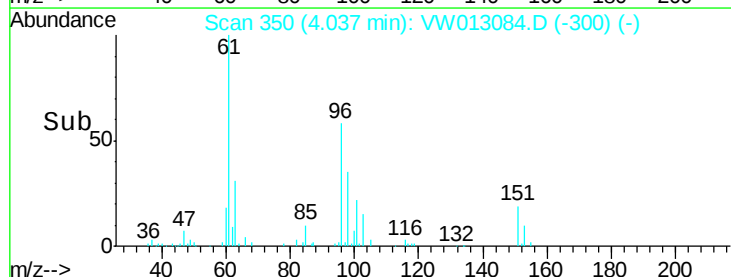
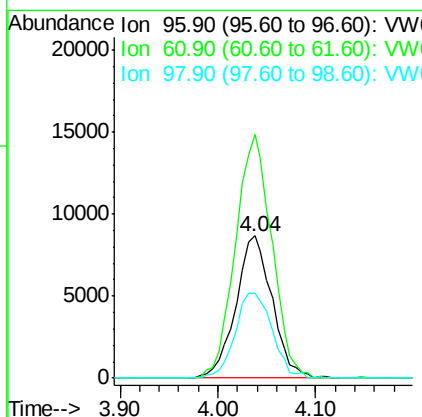
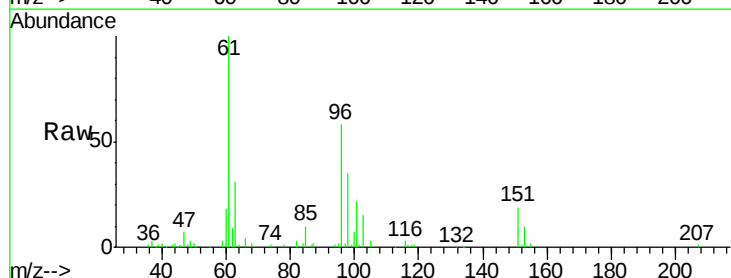
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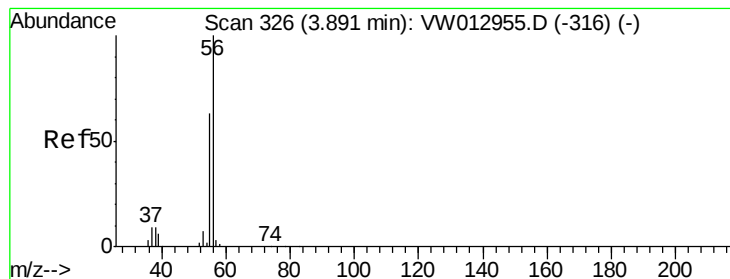
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.455 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	96	Resp	22330
Ion Ratio	100	Lower	Upper
61	171.2	137.9	206.9
98	60.1	48.9	73.3





#13

Acrolein

Concen: 108.612 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MSD

Tot Ion: 56 Resp: 4727

Ion Ratio Lower Upper

56 100

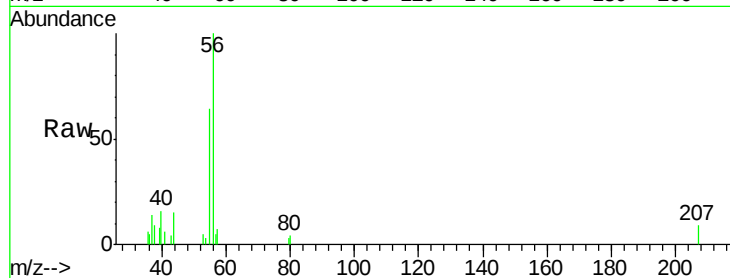
55 63.2 55.8 83.8

Manual Integrations

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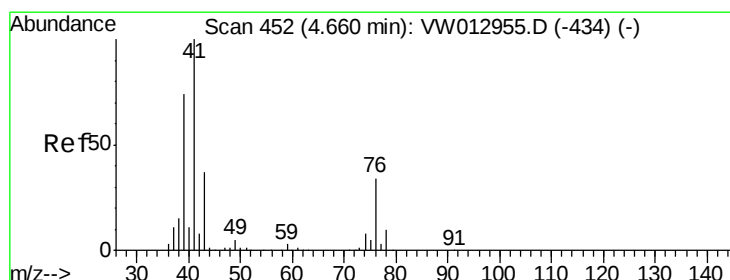
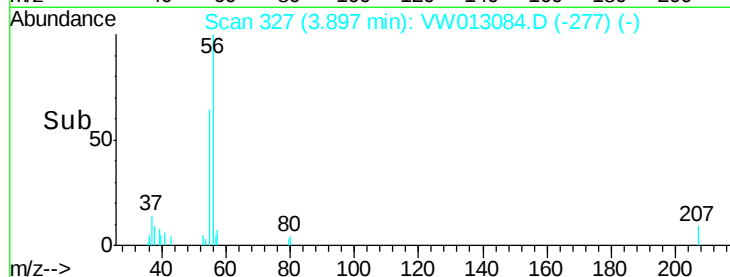
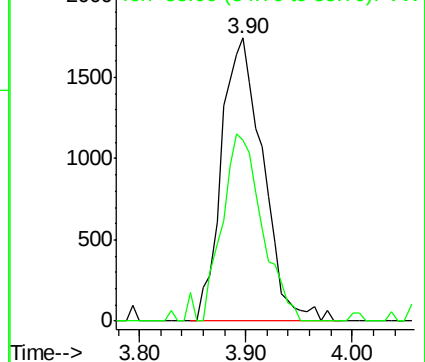
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 52.836 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

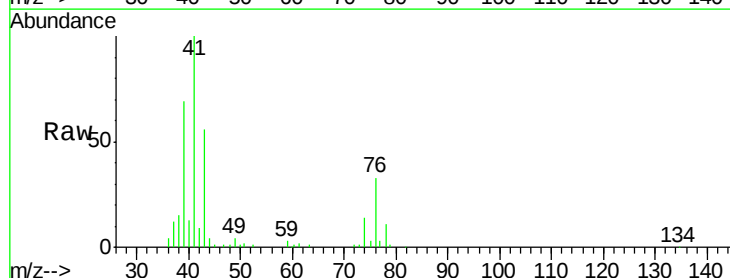
Tgt Ion: 41 Resp: 42700

Ion Ratio Lower Upper

41 100

39 71.0 56.7 85.1

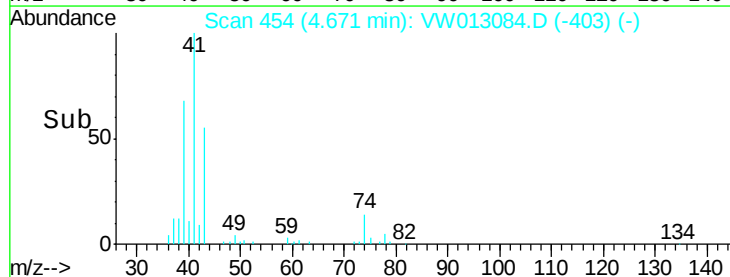
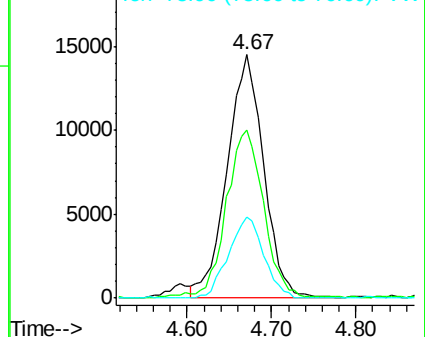
76 31.9 25.1 37.7

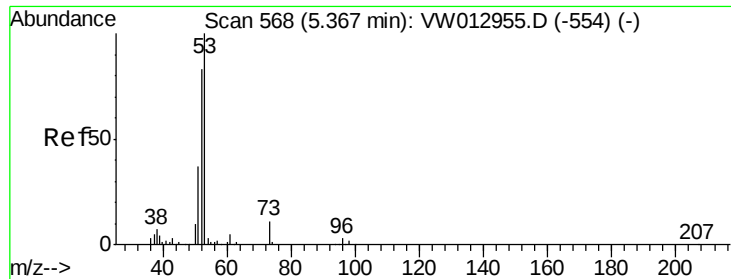


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 308.472 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

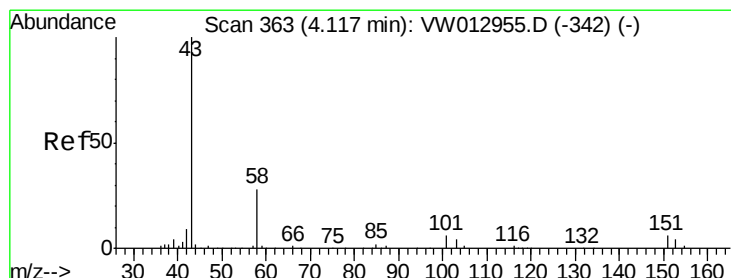
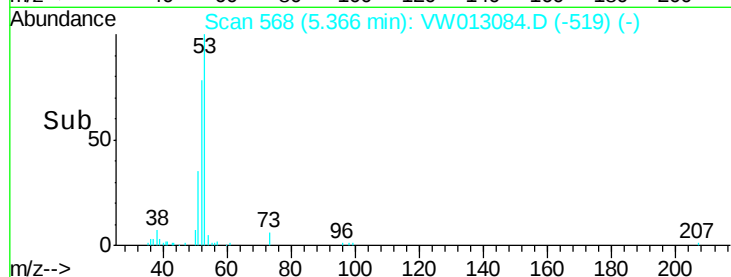
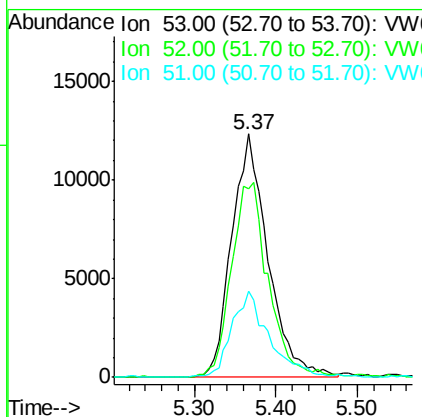
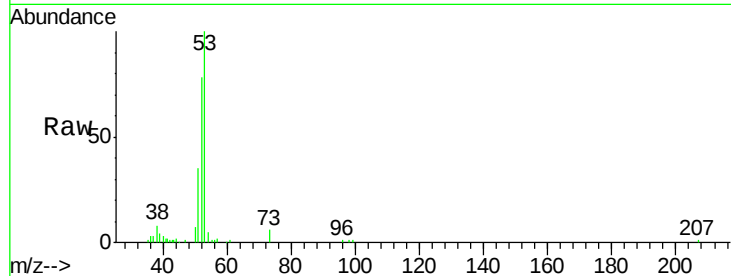
ClientSampleId :

SB-3C-(9)MSD

Tot Ion:	53	Resp:	37975
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	100.0
51	36.4	29.8	44.8

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#16

Acetone

Concen: 412.186 ug/l

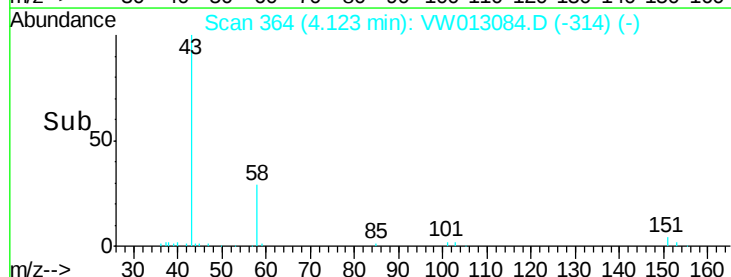
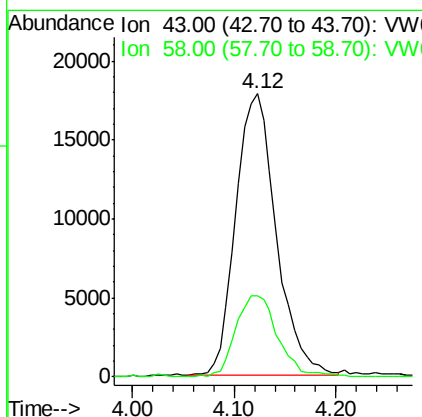
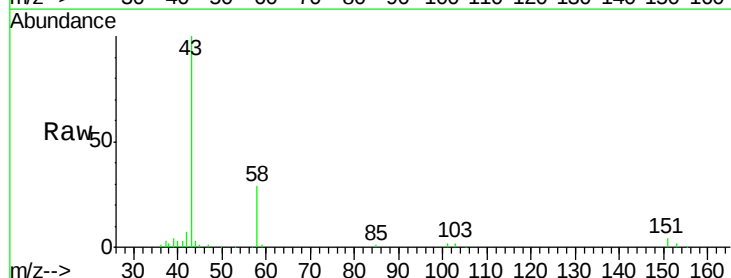
RT: 4.12 min Scan# 364

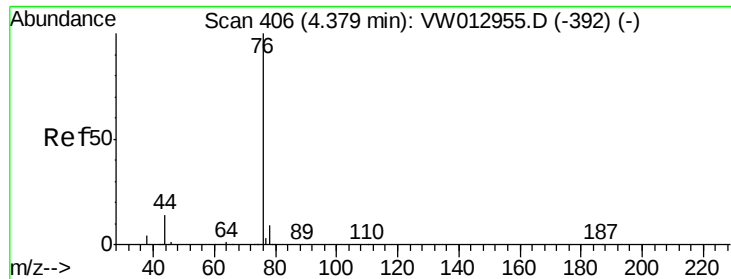
Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Tgt Ion:	43	Resp:	49376
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.3	33.5





#17

Carbon Disulfide

Concen: 52.006 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MSD

Tot Ion: 76 Resp: 44119

Ion Ratio Lower Upper

76 100

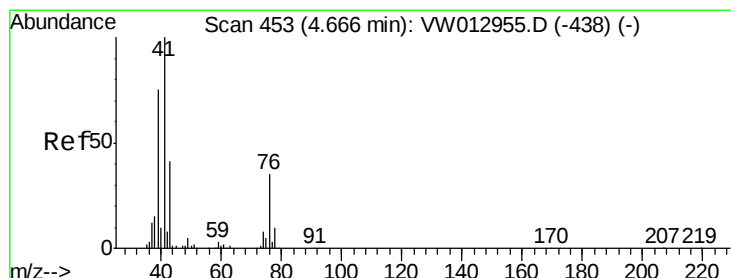
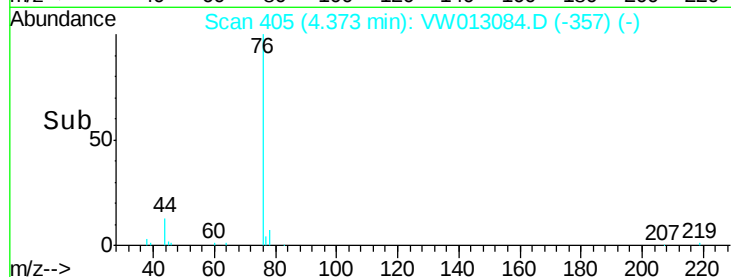
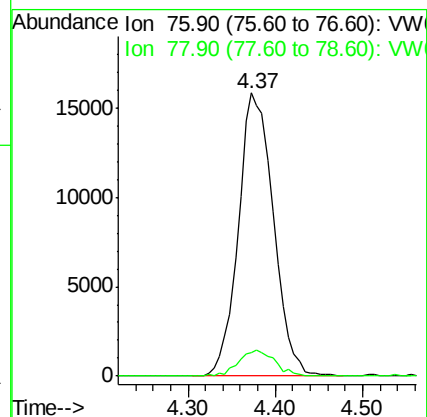
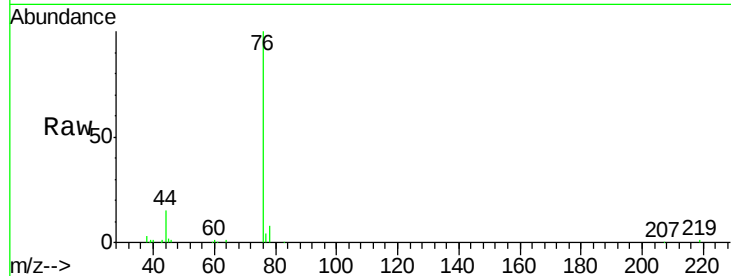
78 8.3 7.0 10.4

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#18

Methyl Acetate

Concen: 76.886 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013084.D

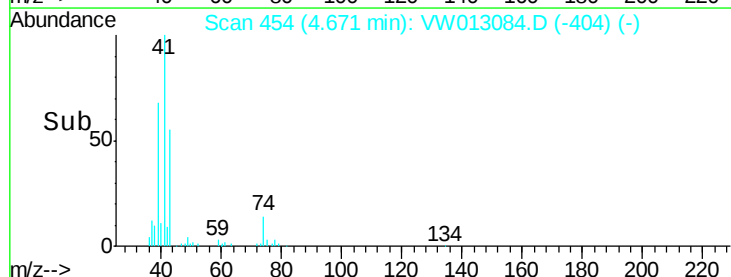
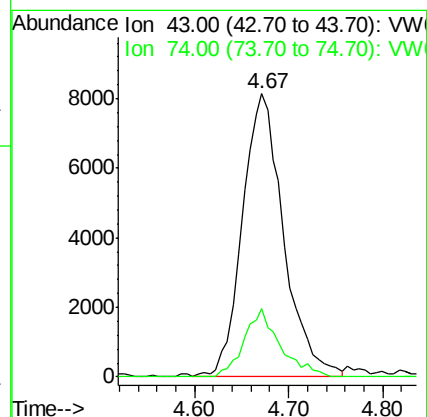
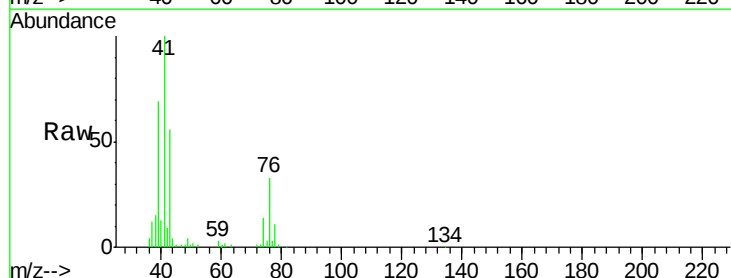
Acq: 17 Sep 2019 12:37

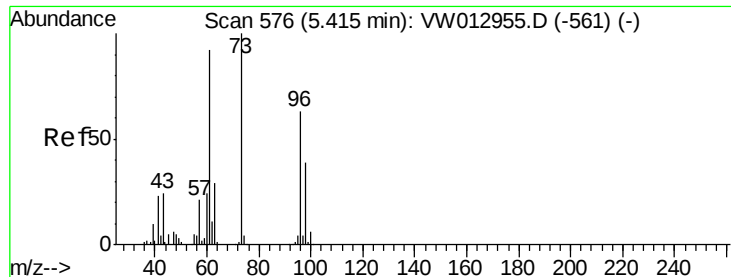
Tgt Ion: 43 Resp: 24950

Ion Ratio Lower Upper

43 100

74 21.0 17.8 26.8





#19

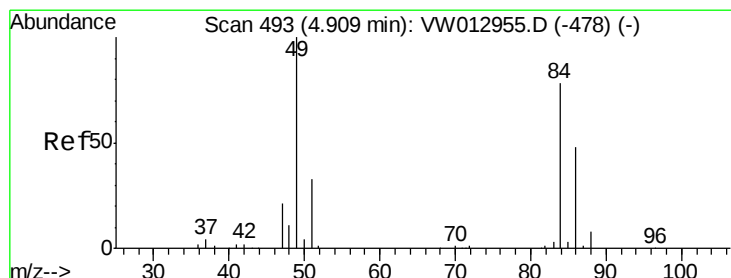
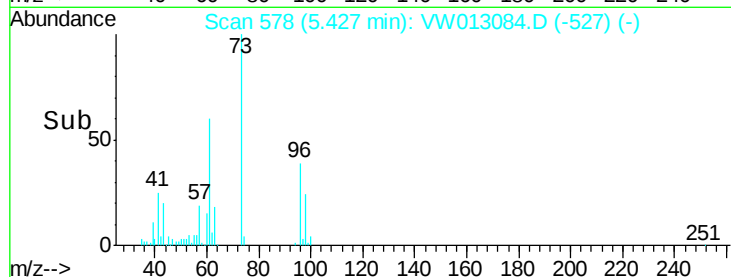
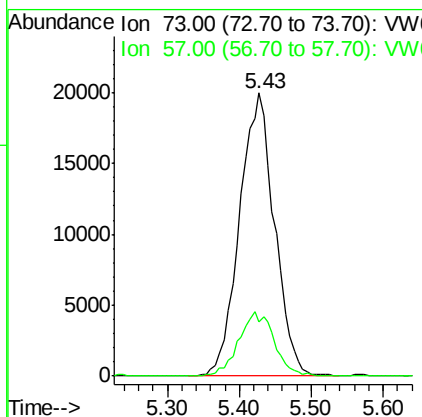
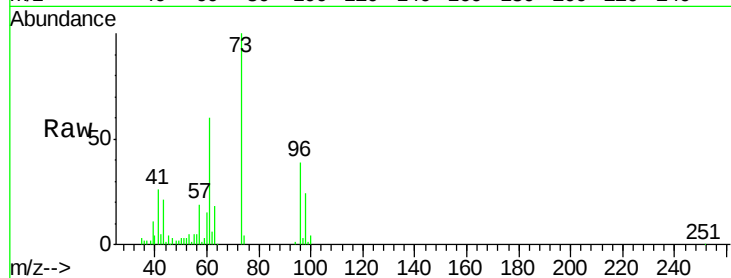
Methyl tert-butyl Ether
 Concen: 79.894 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	16.4	24.6

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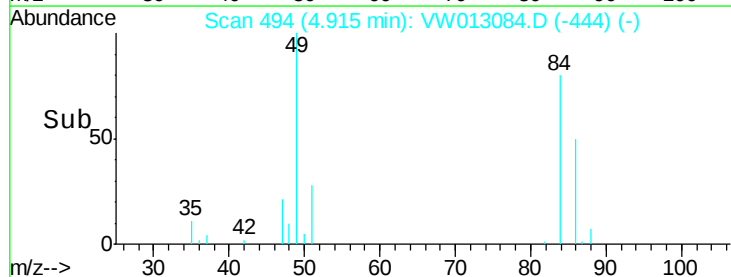
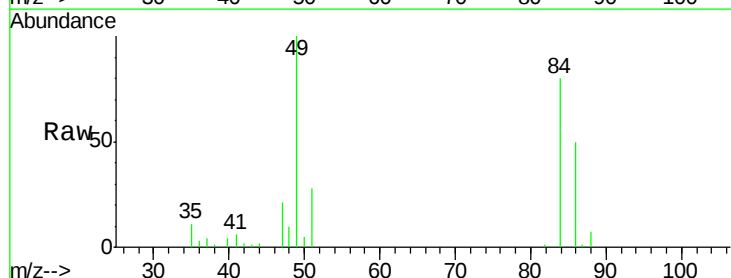
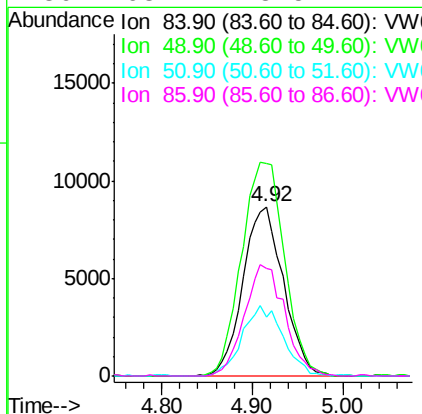
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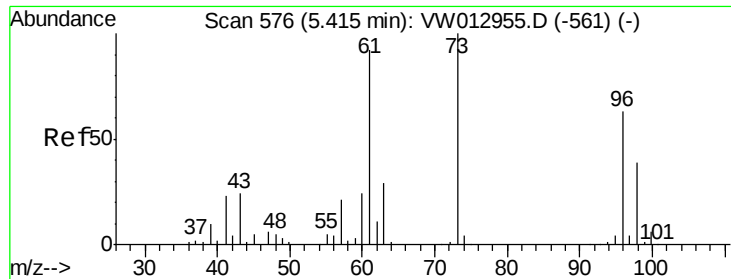


#20

Methylene Chloride
 Concen: 59.415 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.5	102.0	153.0
51	34.9	34.0	51.0
86	63.1	48.5	72.7





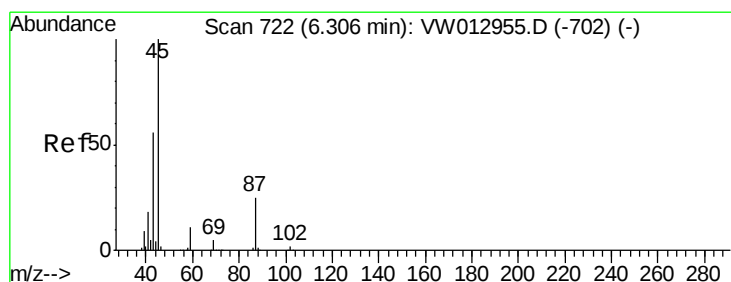
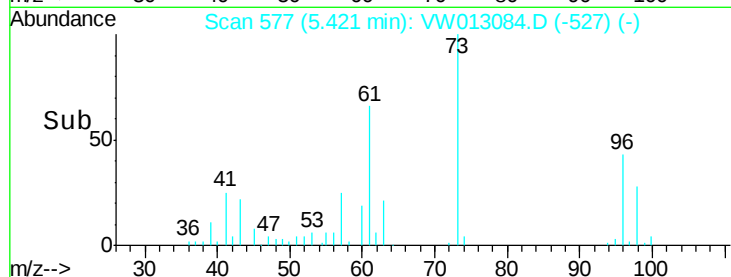
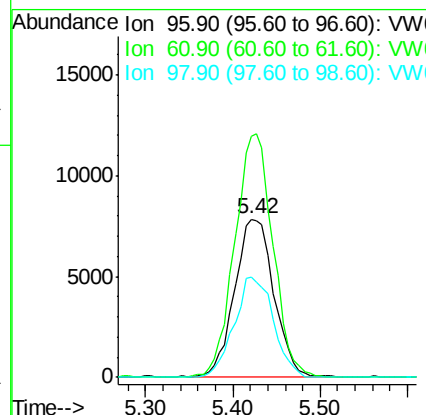
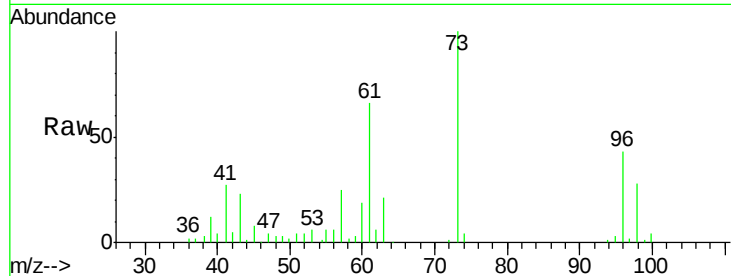
#21
trans-1,2-Dichloroethene
Concen: 53.828 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.6	116.2	174.2
98	63.8	49.8	74.6

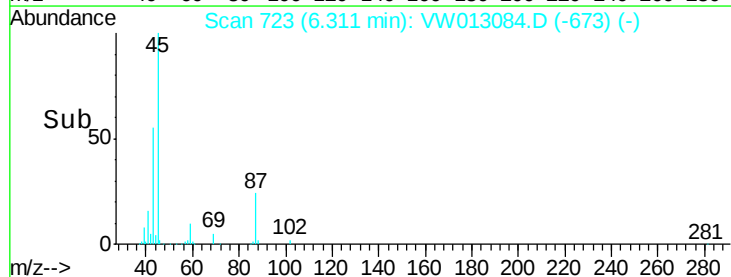
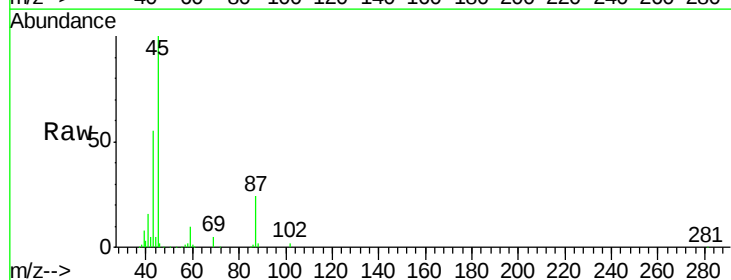
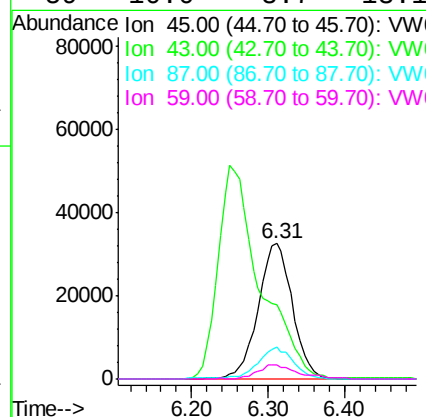
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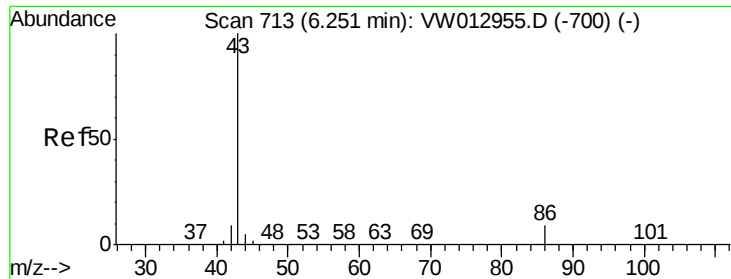
MMDadoda
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#22
Diisopropyl ether
Concen: 60.321 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.9	44.6	67.0
87	23.8	20.0	30.0
59	10.0	8.7	13.1





#23

Vinyl Acetate

Concen: 194.987 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MSD

Tot Ion: 43 Resp: 196069

Ion Ratio Lower Upper

43 100

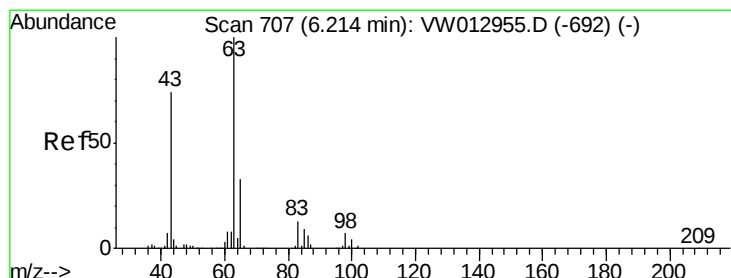
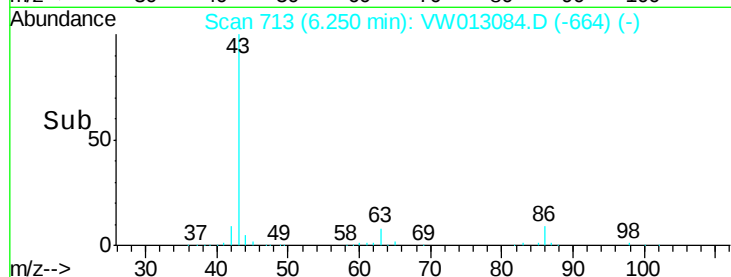
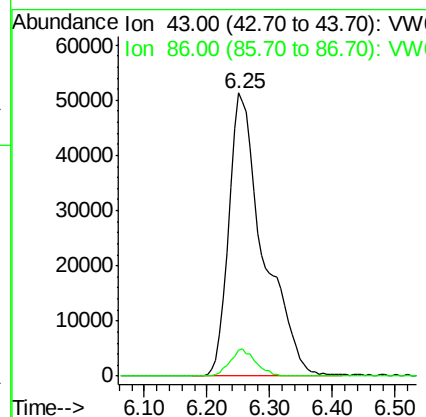
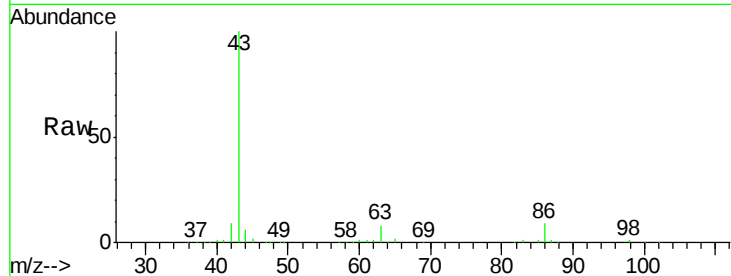
86 9.3 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.468 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

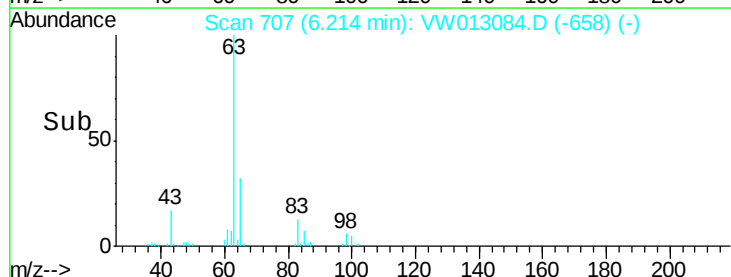
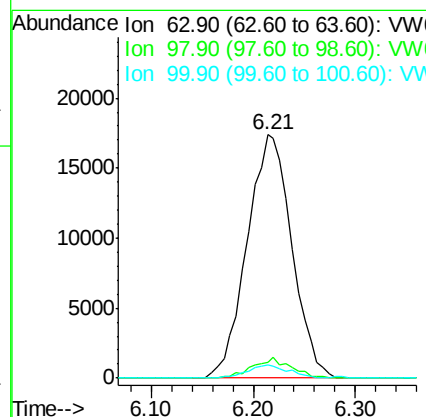
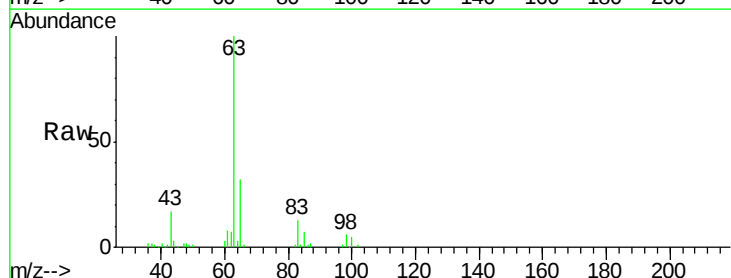
Tgt Ion: 63 Resp: 52725

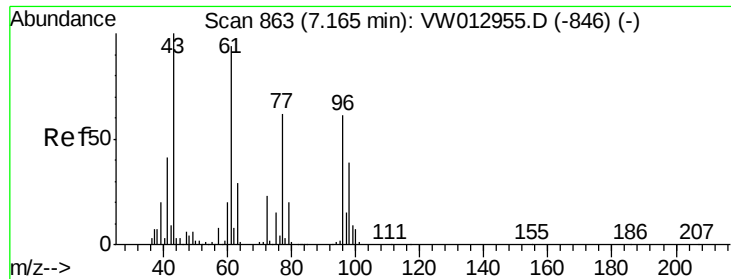
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 5.4 1.8 5.5





#25

2-Butanone

Concen: 310.323 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MSD

Tot Ion: 43 Resp: 56204

Ion Ratio Lower Upper

43 100

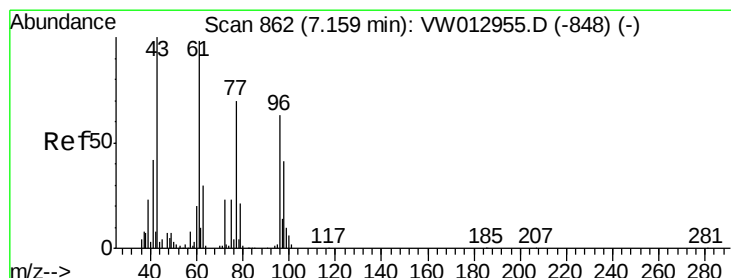
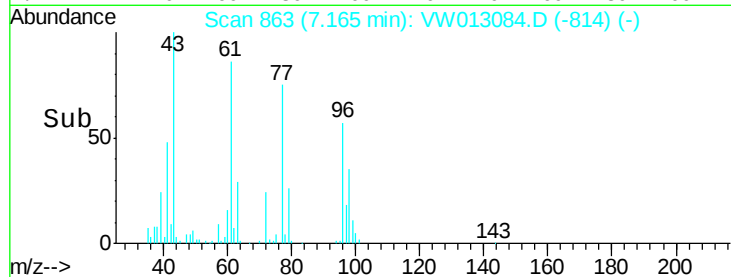
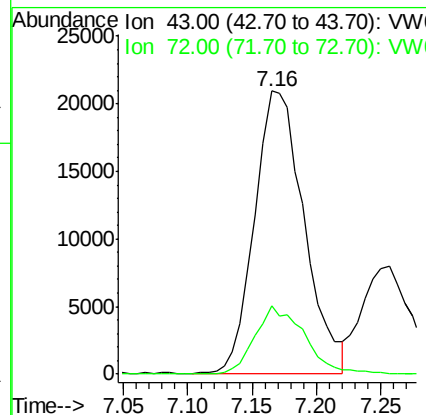
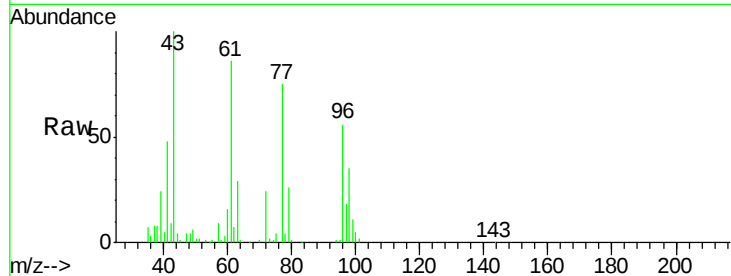
72 24.4 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 79.868 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013084.D

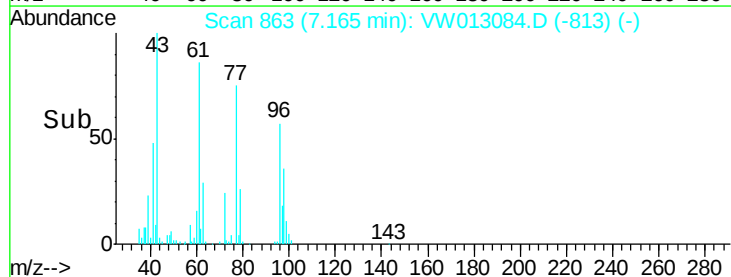
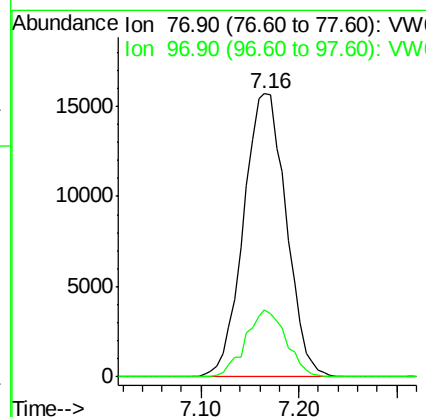
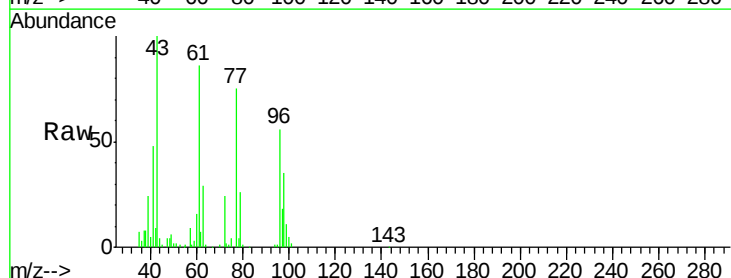
Acq: 17 Sep 2019 12:37

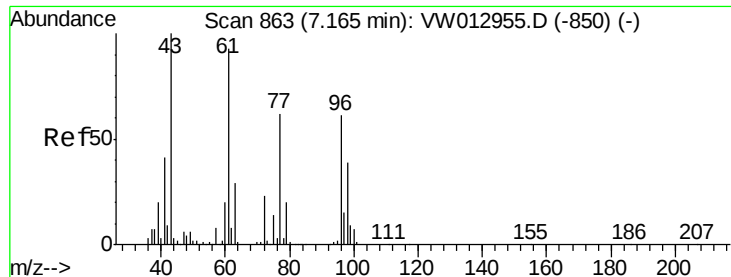
Tgt Ion: 77 Resp: 47473

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1





#27

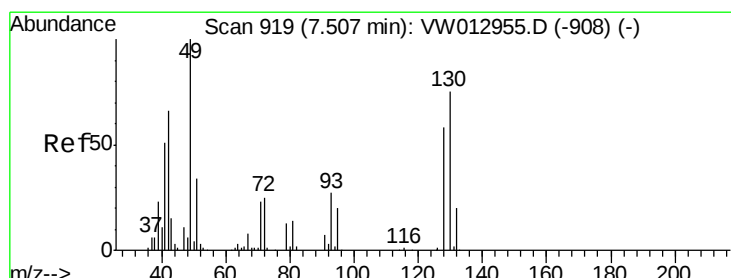
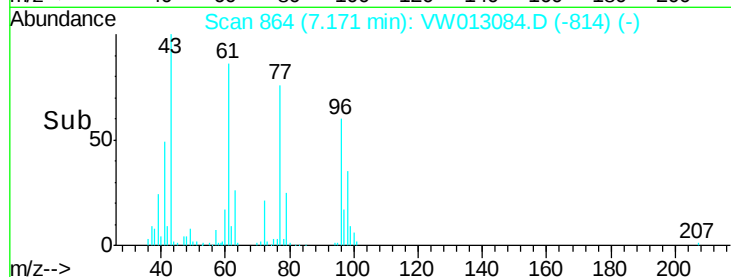
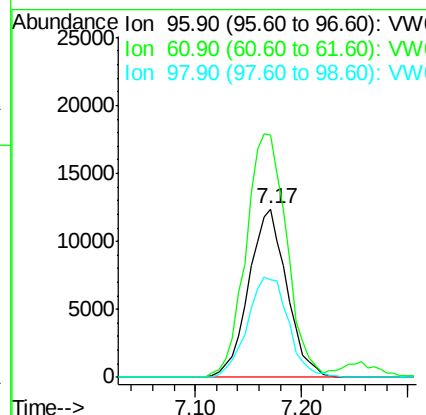
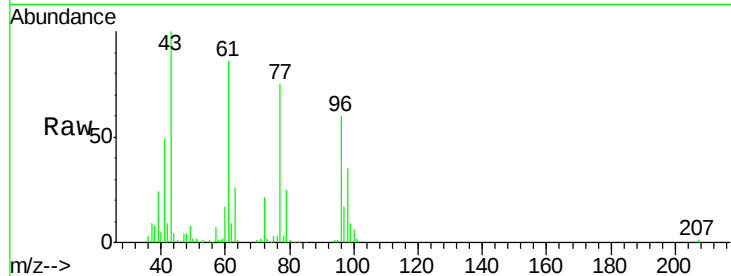
cis-1,2-Dichloroethene
Concen: 57.043 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	31137		
61	153.8	0.0	315.4	
98	64.0	0.0	131.0	

Manual Integrations
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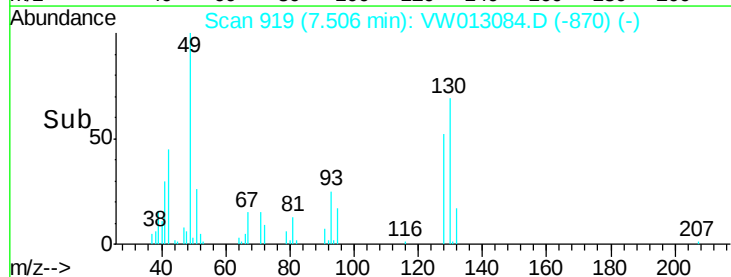
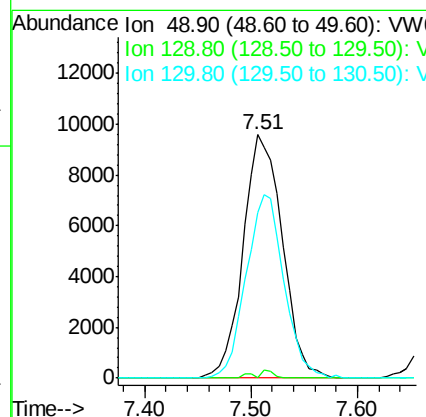
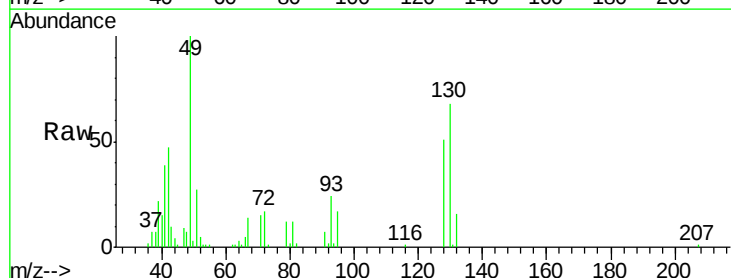
MMDadoda
9/19/2019 1:27:25 AM

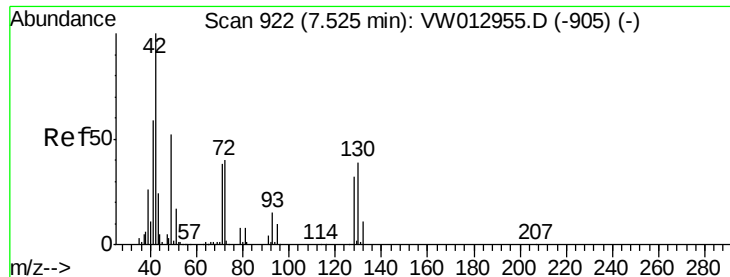


#28

Bromochloromethane
Concen: 60.781 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	24764		
129	1.5	0.0	1.4#	
130	72.9	57.8	86.6	





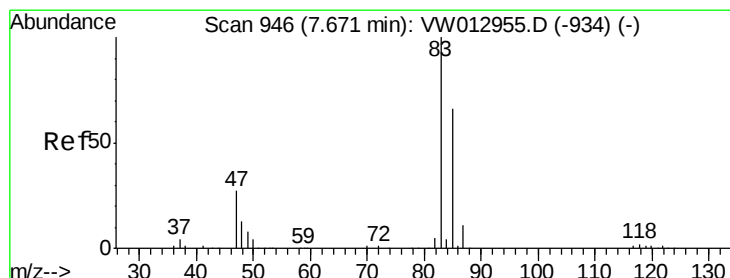
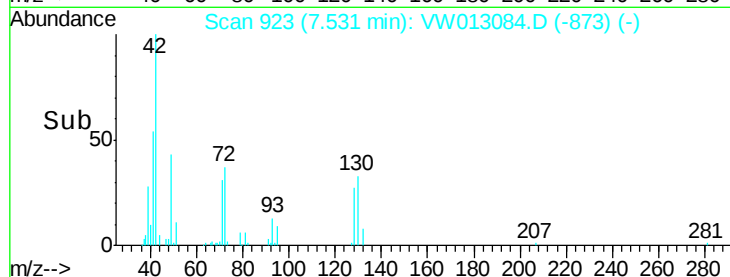
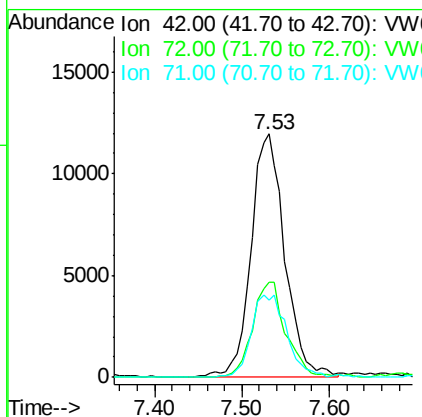
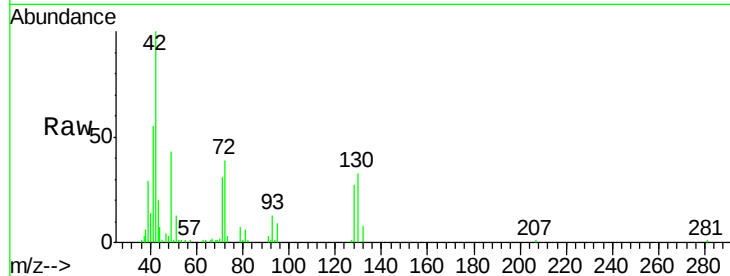
#29
Tetrahydrofuran
Concen: 309.596 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.4	47.0
71	35.6	29.8	44.8

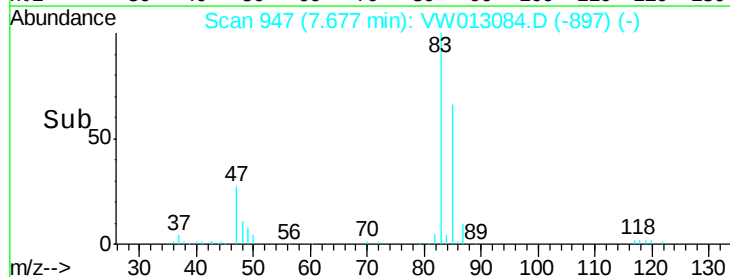
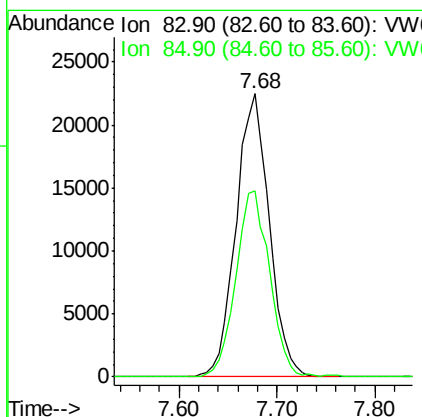
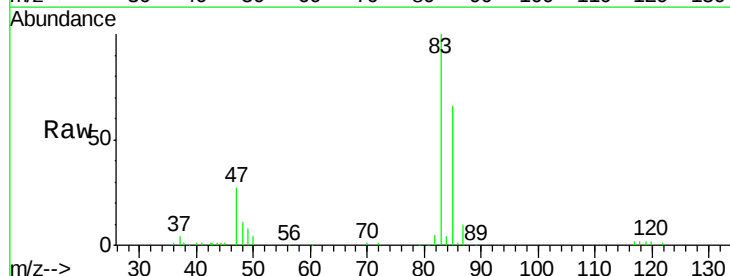
Manual Integrations
APPROVED

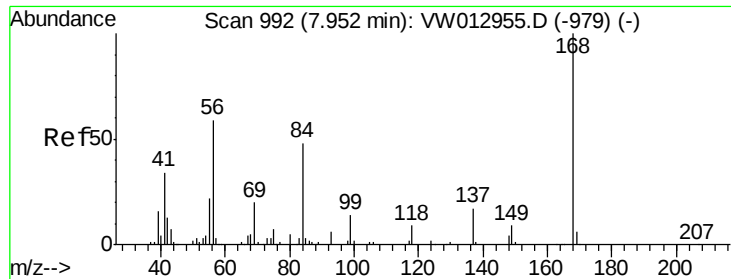
MMDadoda
9/19/2019 1:27:25 AM



#30
Chloroform
Concen: 53.878 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.8	79.2





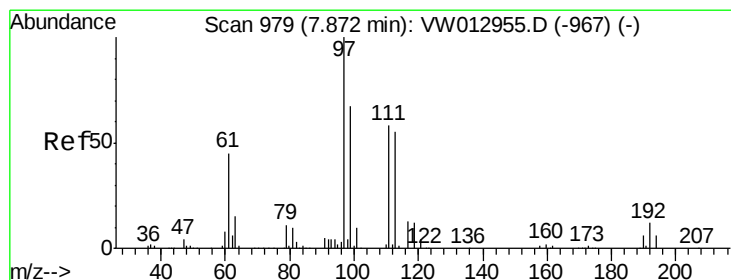
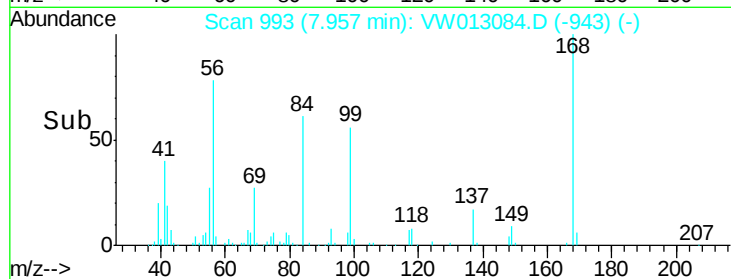
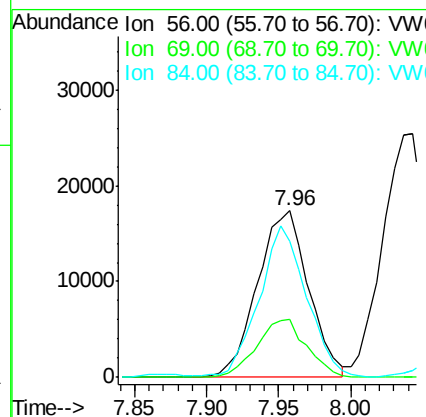
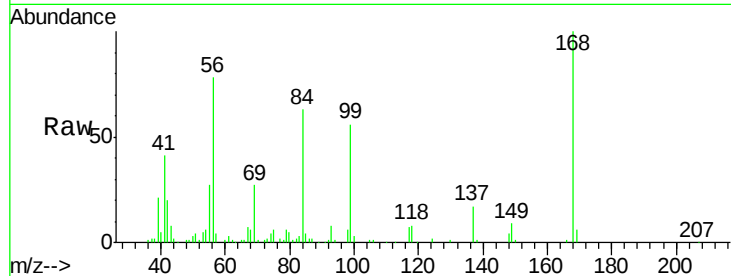
#31
Cyclohexane
Concen: 59.780 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	27.0	40.6
84	80.5	66.2	99.2

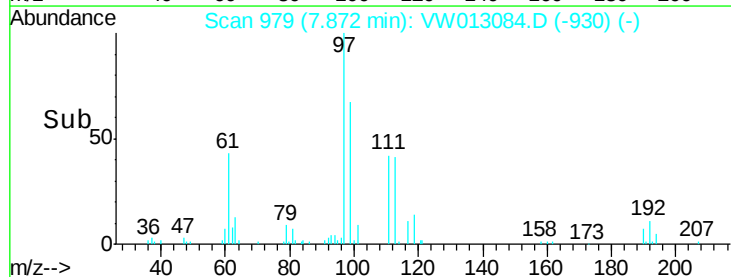
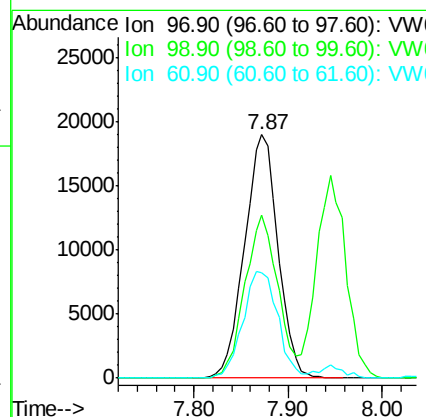
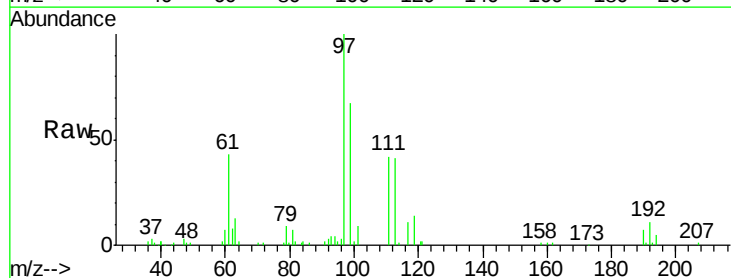
Manual Integrations
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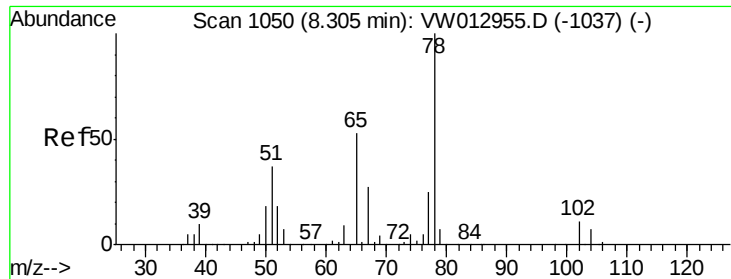
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 57.949 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	53.0	79.4
61	45.6	36.5	54.7





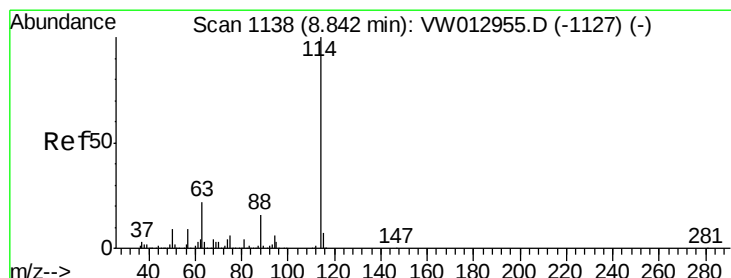
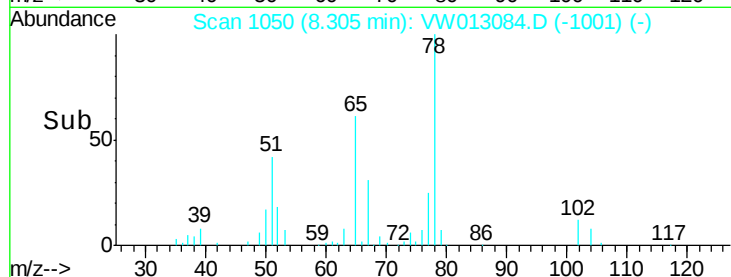
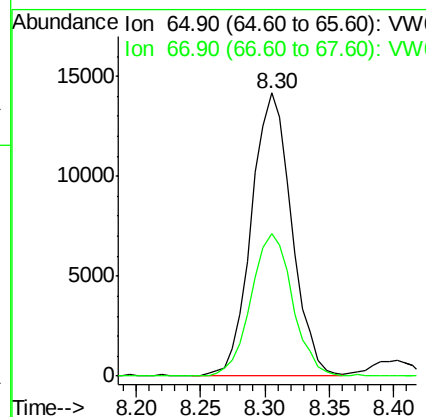
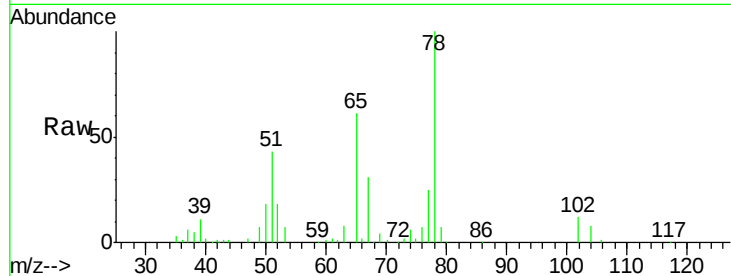
#33
 1,2-Dichloroethane-d4
 Concen: 53.716 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	30596		
67	51.7	0.0	101.2	

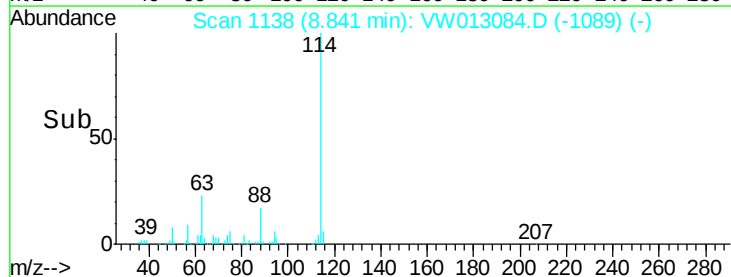
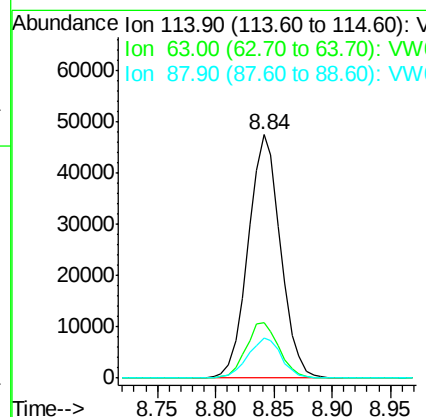
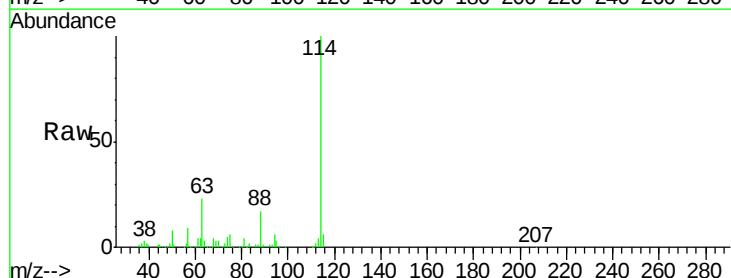
Manual Integrations
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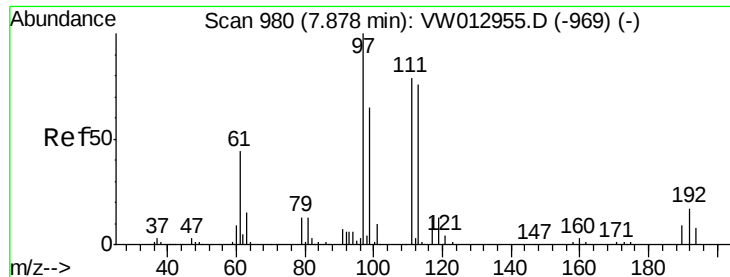
MMDadoda
 9/19/2019 1:27:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	92323		
63	22.6	0.0	43.4	
88	16.6	0.0	31.6	





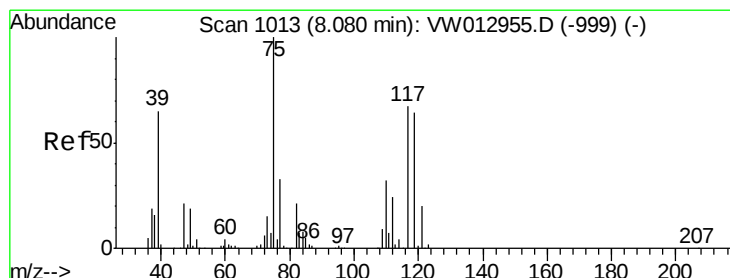
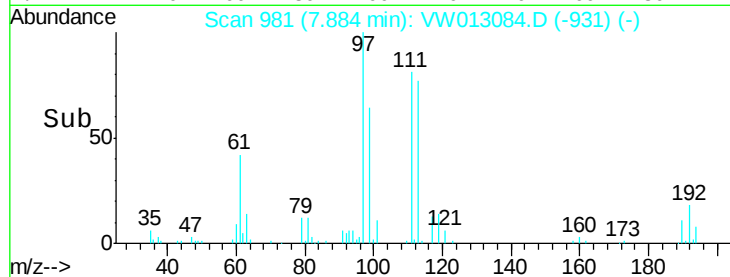
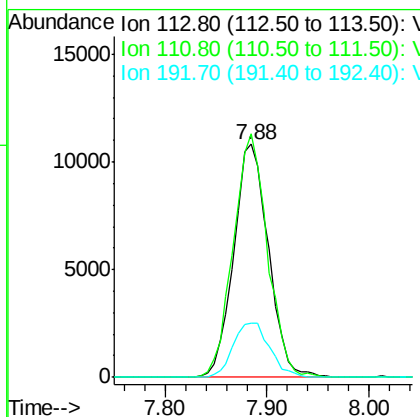
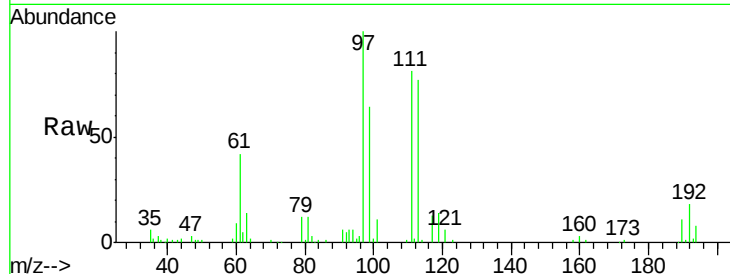
#35
 Dibromofluoromethane
 Concen: 51.112 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	25605		
111	102.2	82.8	124.2	
192	24.5	17.8	26.8	

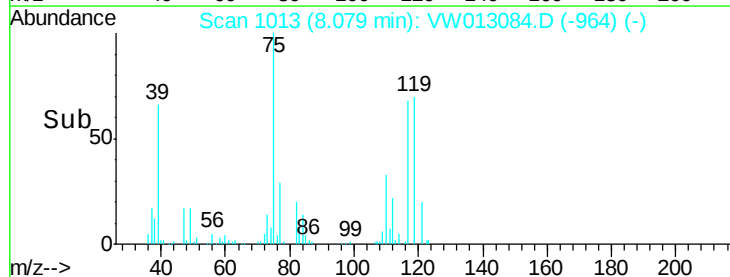
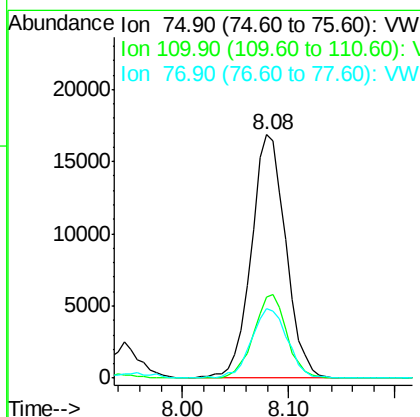
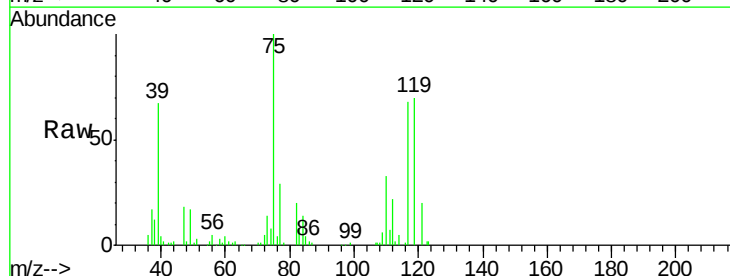
Manual Integrations
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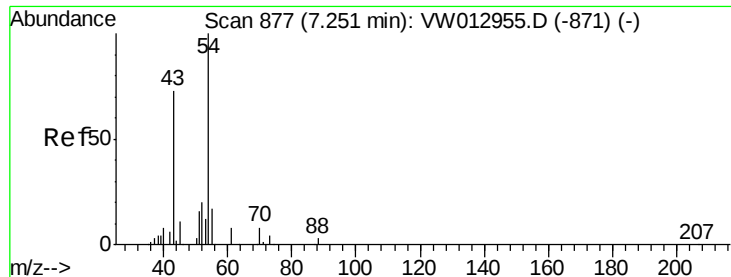
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 51.964 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38336		
110	32.8	16.4	49.1	
77	29.9	25.1	37.7	





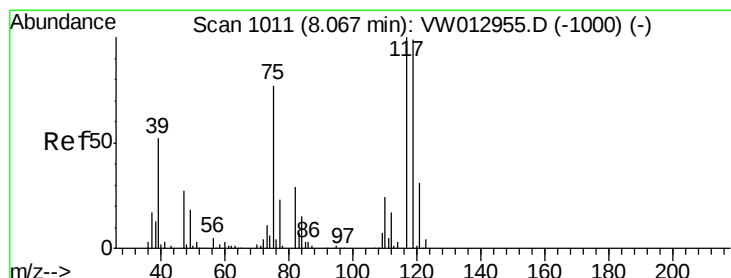
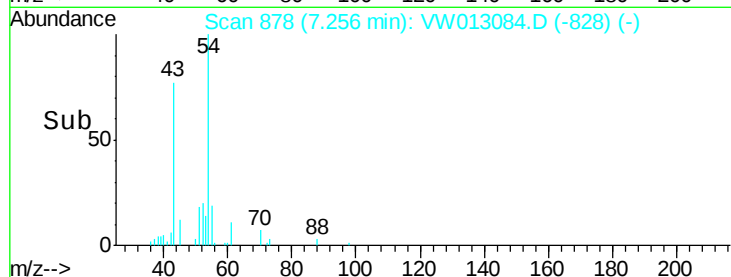
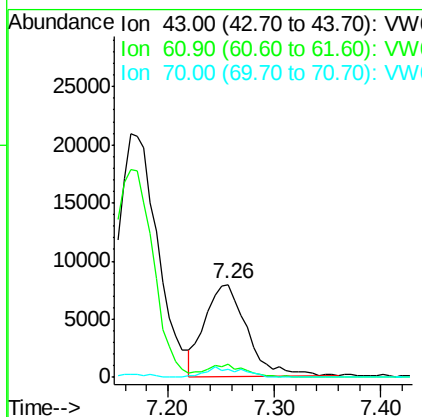
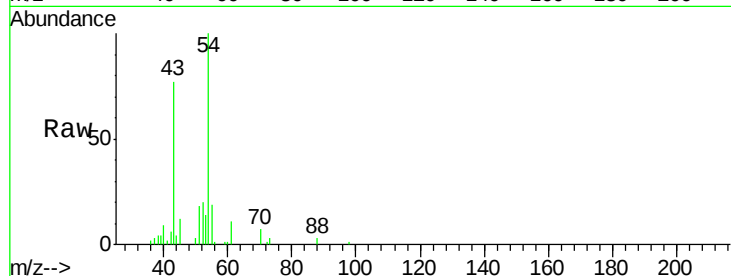
#37
Ethyl Acetate
Concen: 54.612 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	9.6	14.4
70	9.6	7.6	11.4

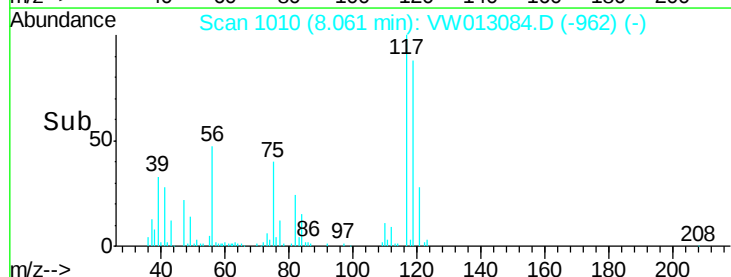
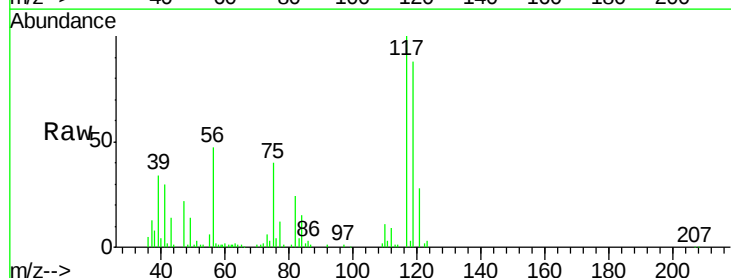
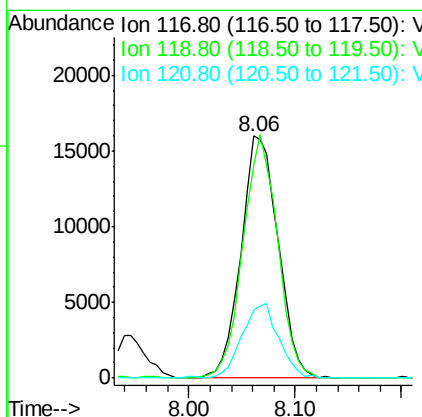
Manual Integrations
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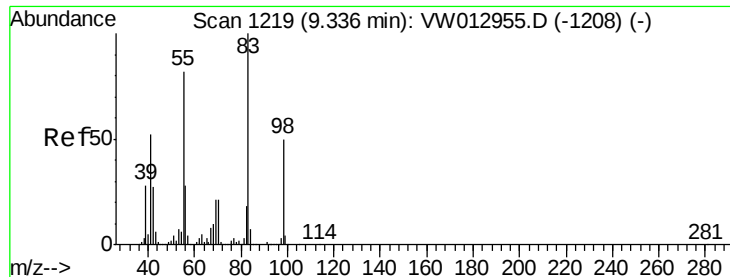
MMDadoda
9/19/2019 1:27:25 AM



#38
Carbon Tetrachloride
Concen: 51.692 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.8	79.4	119.0
121	28.4	24.6	36.8





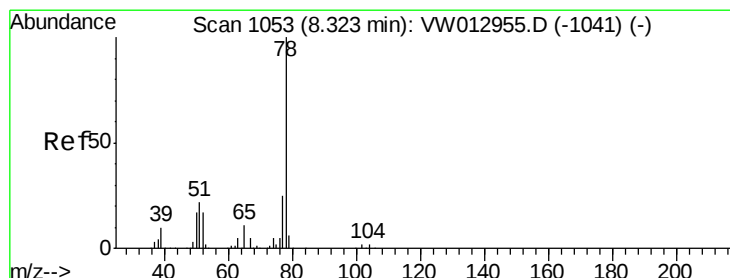
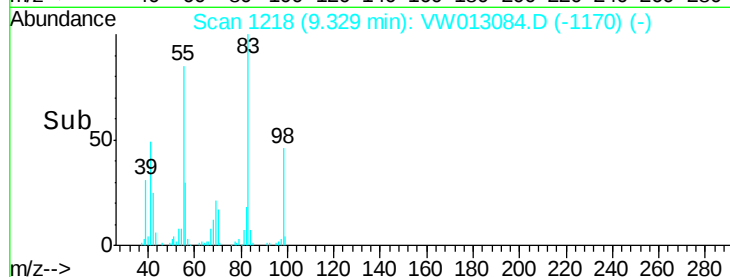
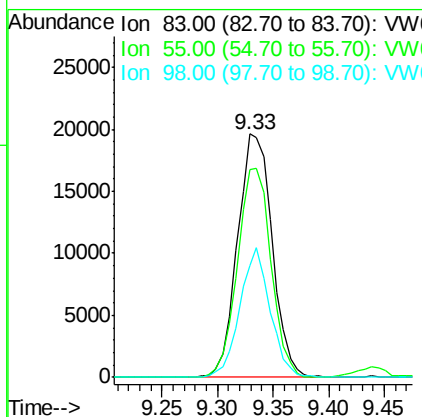
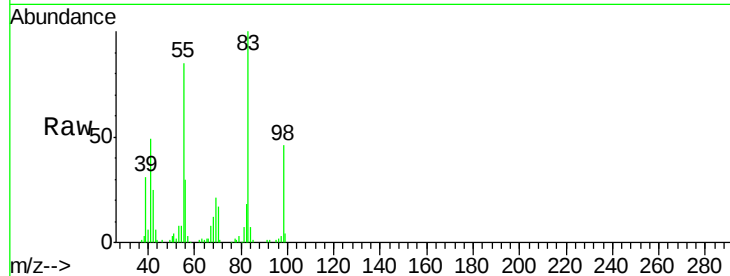
#39
Methvlcvclohexane
Concen: 52.367 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	65.9	98.9
98	46.1	39.6	59.4

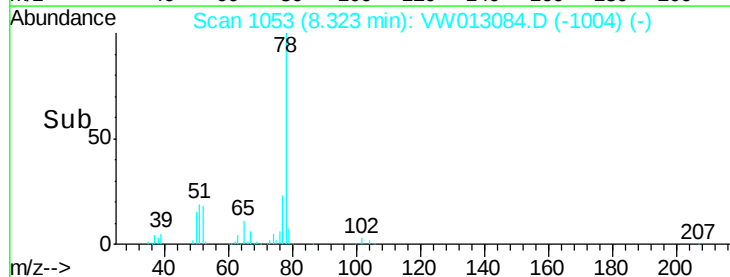
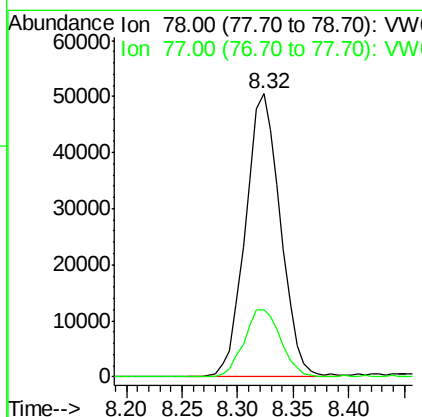
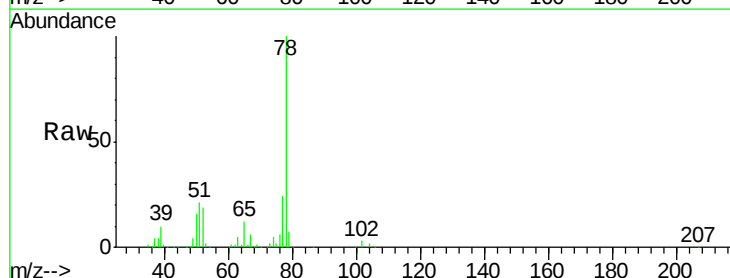
Manual Integrations
APPROVED

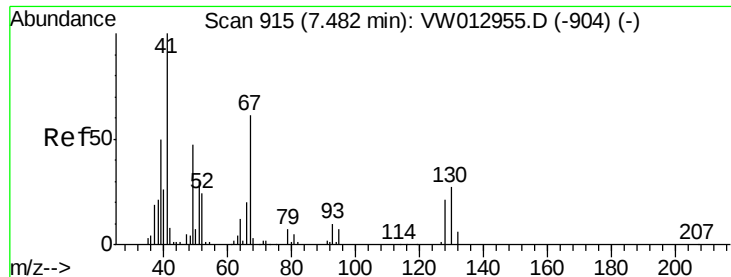
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#40
Benzene
Concen: 53.634 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.6	29.4





#41

Methacrylonitrile

Concen: 56.435 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

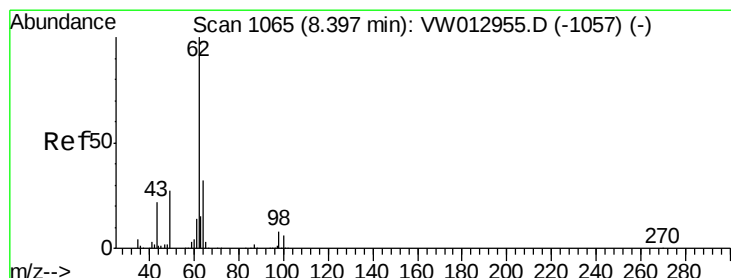
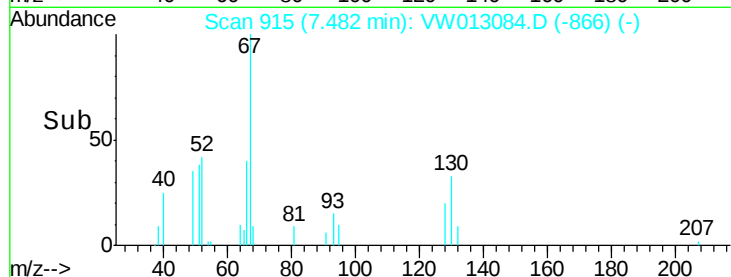
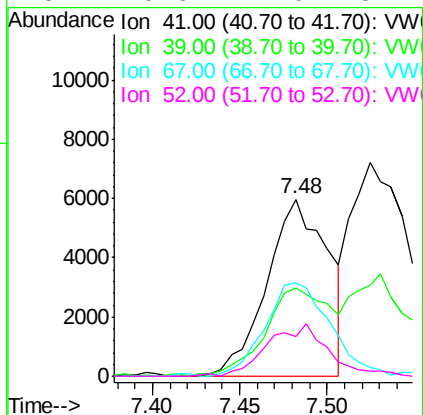
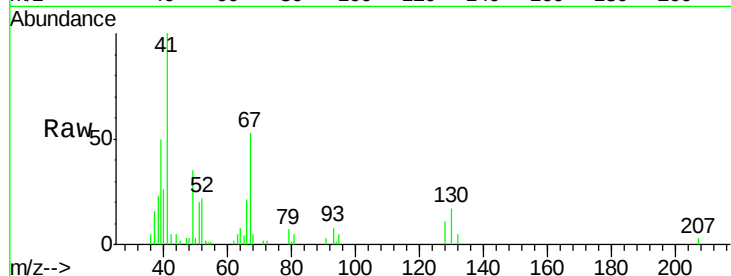
ClientSampleId :

SB-3C-(9)MSD

Tot Ion	41	Resp	14553
Ion	Ratio	Lower	Upper
41	100		
39	53.4	48.2	72.4
67	56.4	47.5	71.3
52	29.6	21.0	31.4

Manual Integrations
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9/19/2019 1:27:25 AM



#42

1,2-Dichloroethane

Concen: 53.132 ug/l

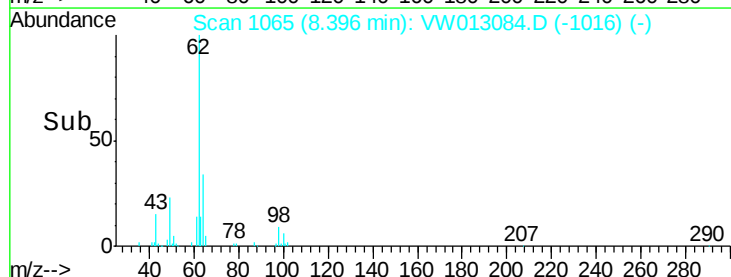
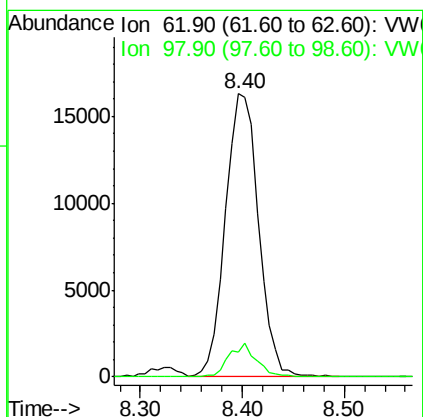
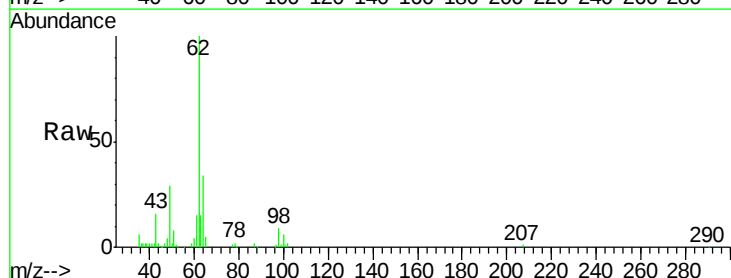
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Tgt Ion	62	Resp	36682
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	16.8





#43

Isopropyl Acetate

Concen: 56.142 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

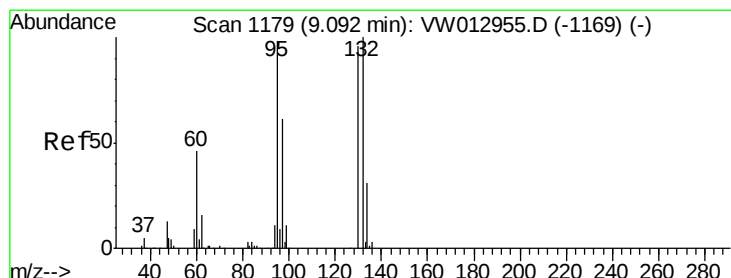
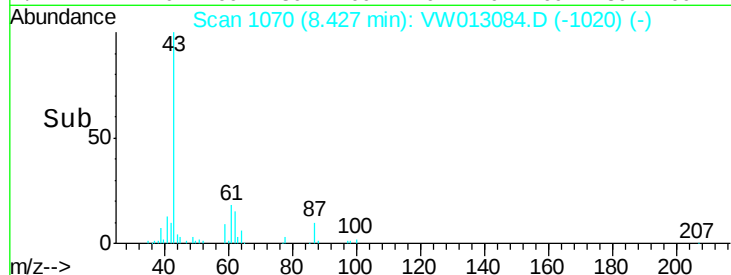
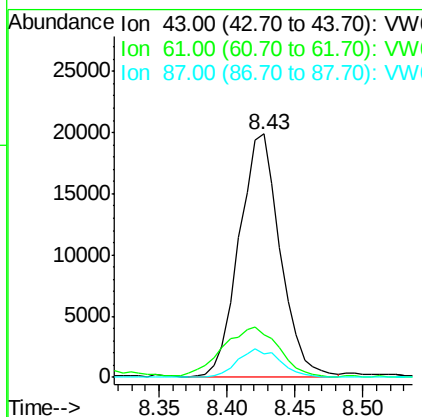
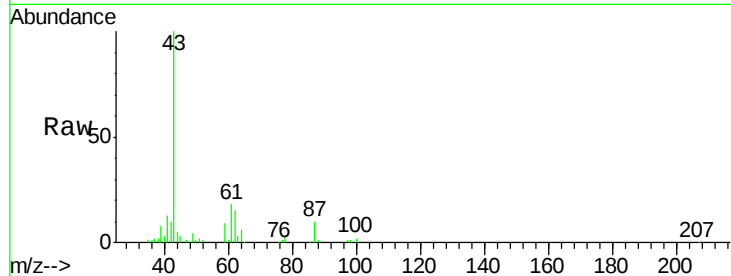
ClientSampleId :

SB-3C-(9)MSD

Tot Ion:	43	Resp:	42211
Ion	Ratio	Lower	Upper
43	100		
61	27.3	22.7	34.1
87	12.4	9.4	14.2

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#44

Trichloroethene

Concen: 54.580 ug/l

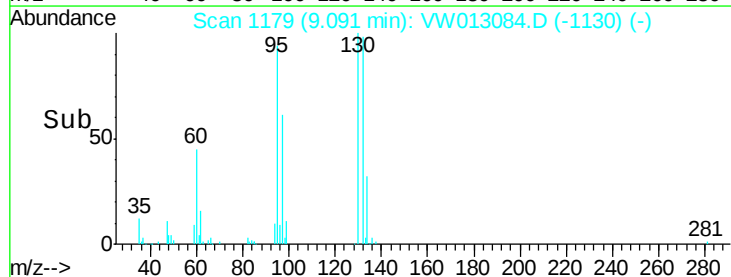
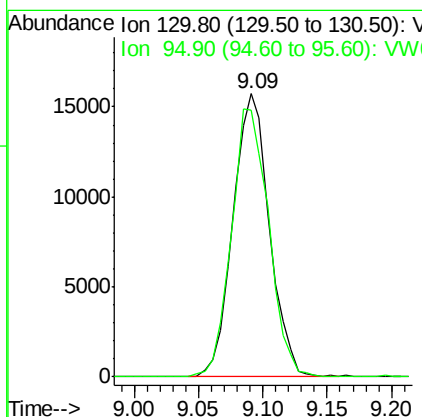
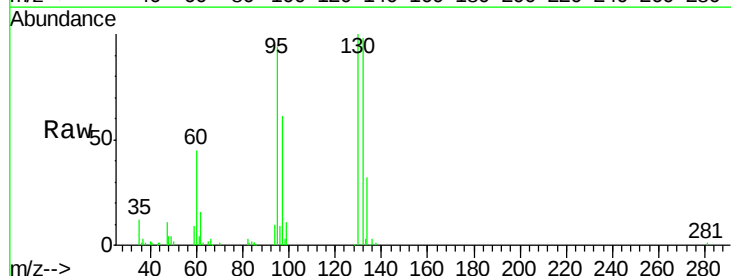
RT: 9.09 min Scan# 1179

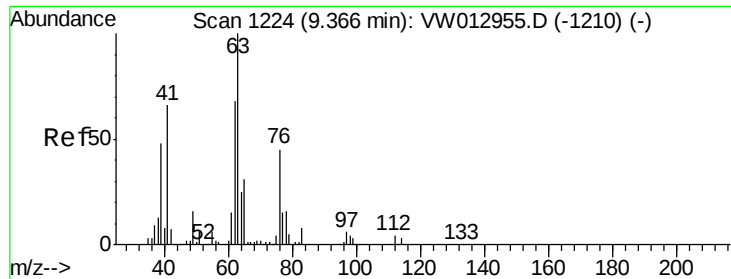
Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Tgt Ion:	130	Resp:	30790
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	204.4





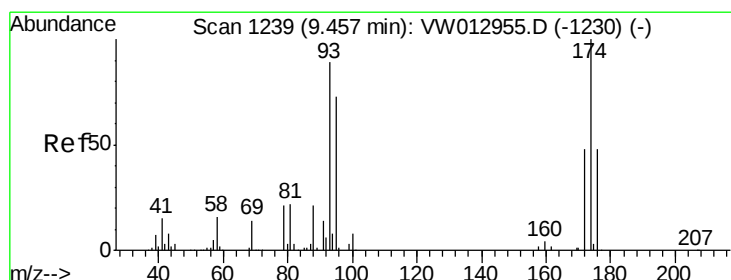
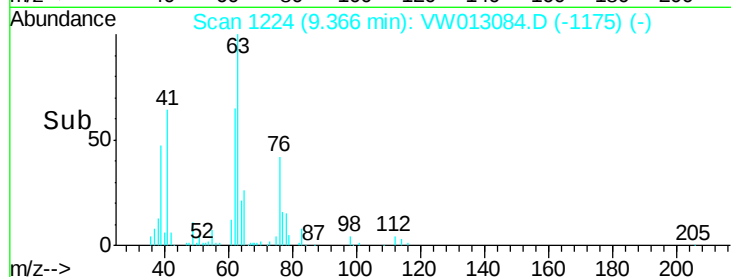
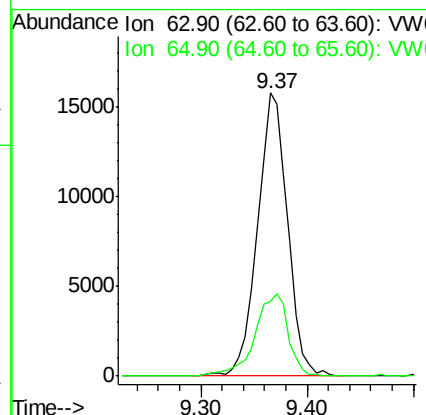
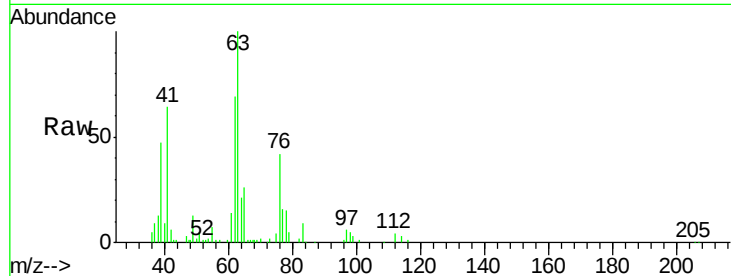
#45
 1,2-Dichloropropane
 Concen: 56.977 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.3	24.6	37.0

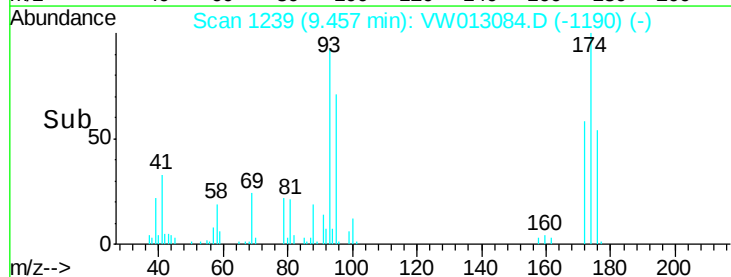
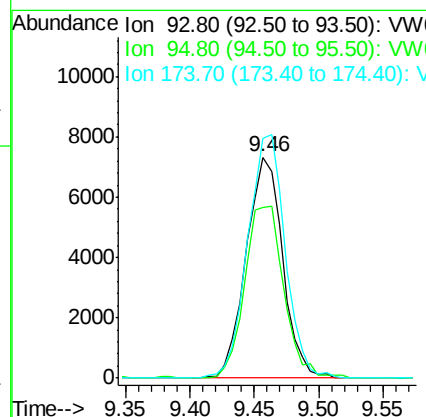
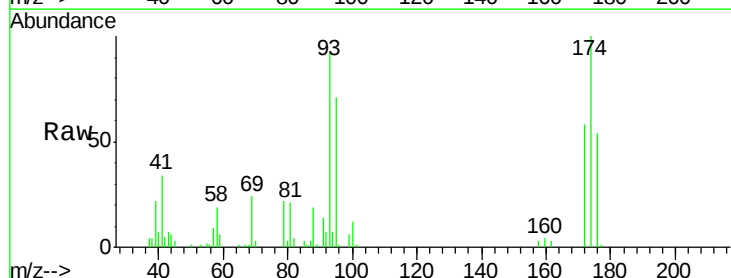
Manual Integrations
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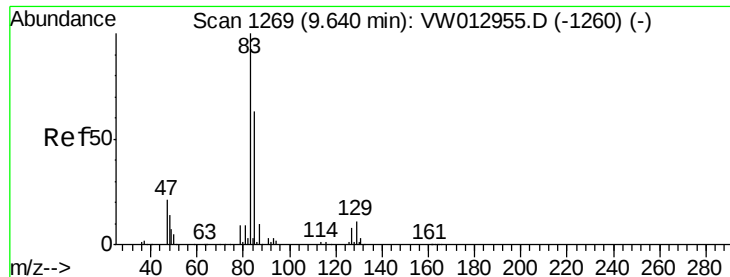
MMDadoda
 9/19/2019 1:27:25 AM



#46
 Dibromomethane
 Concen: 54.788 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.0	100.4
174	112.6	90.5	135.7





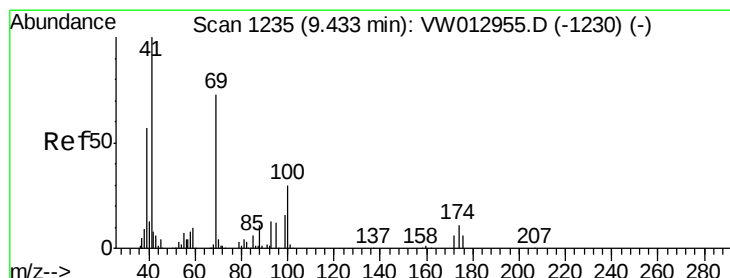
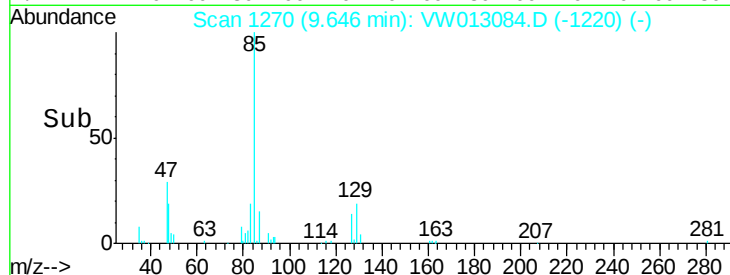
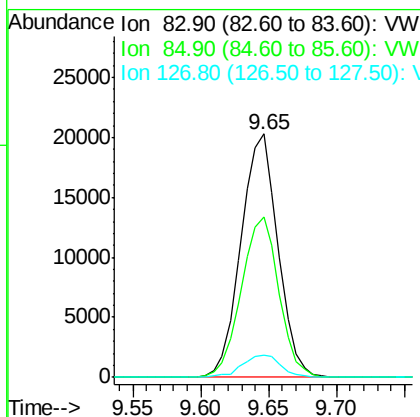
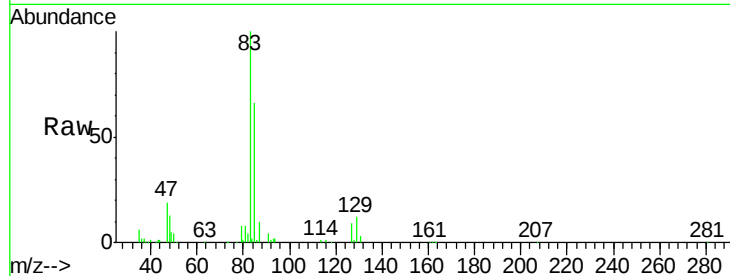
#47
Bromodichloromethane
Concen: 52.427 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.9	50.6	75.8	
127	9.3	6.7	10.1	

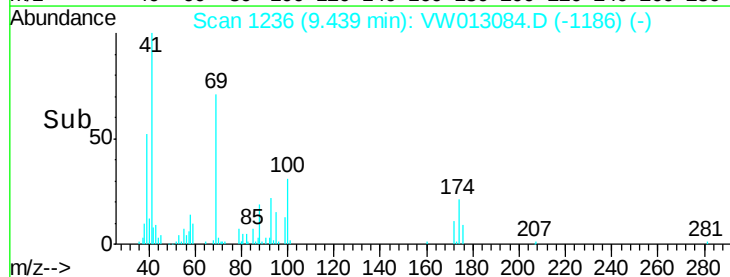
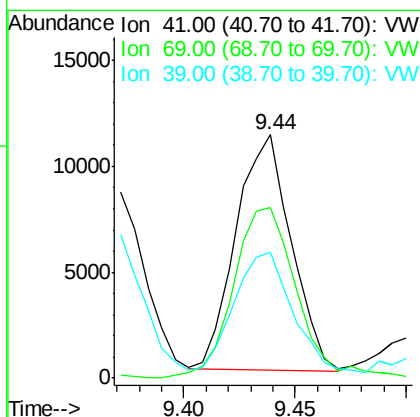
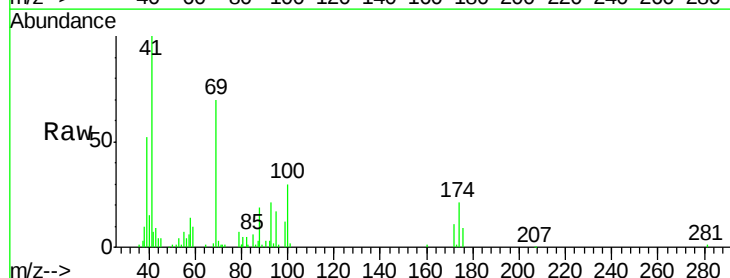
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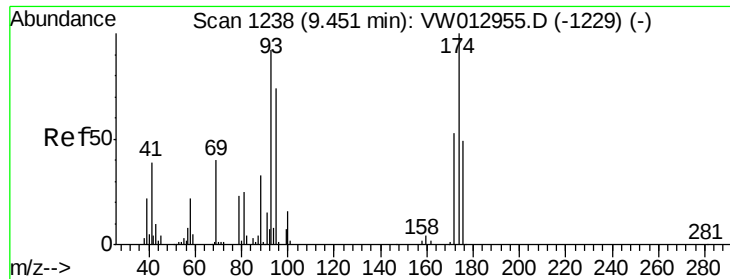
MMDadoda
9/19/2019 1:27:25 AM



#48
Methyl methacrylate
Concen: 54.223 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	83.7	62.8	94.2	
39	60.6	48.5	72.7	





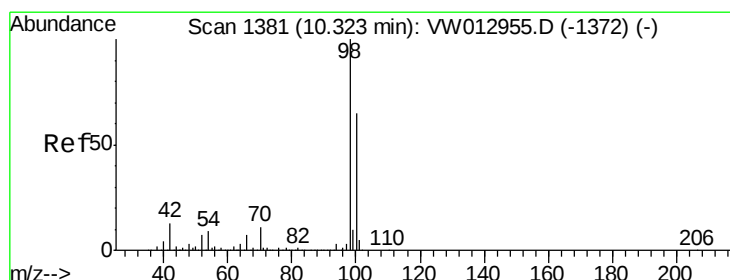
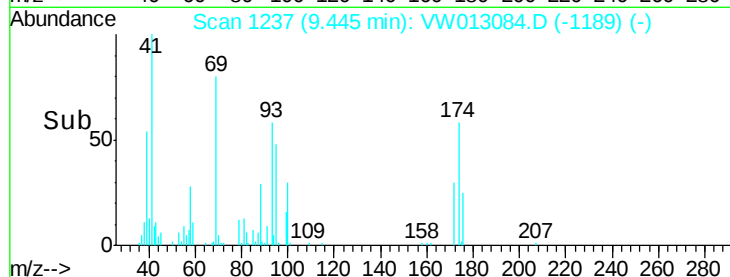
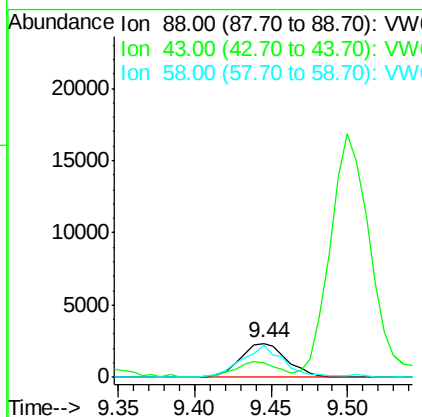
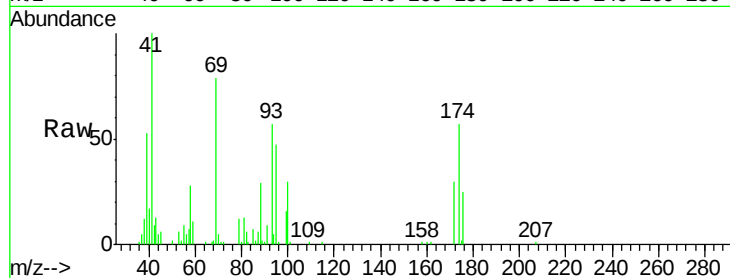
#49
1,4-Dioxane
Concen: 1130.956 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	88	Resp	4968
Ion	Ratio	Lower	Upper
88	100		
43	43.6	31.3	46.9
58	87.2	60.2	90.2

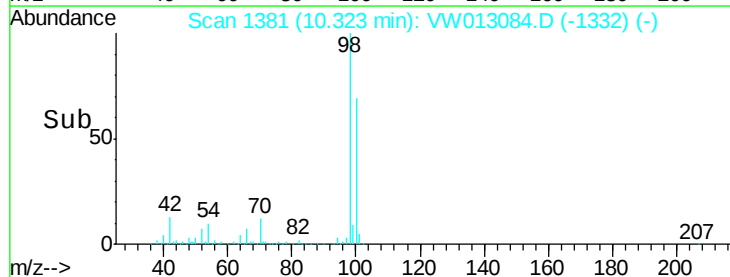
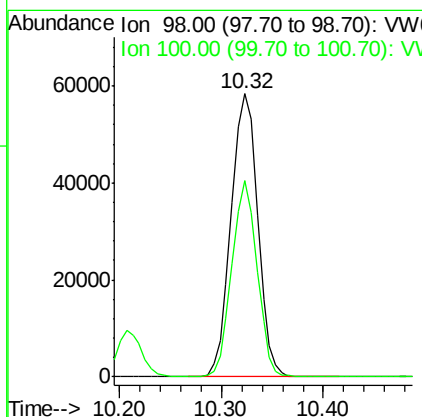
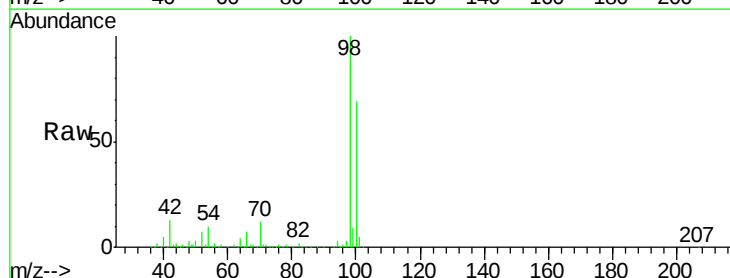
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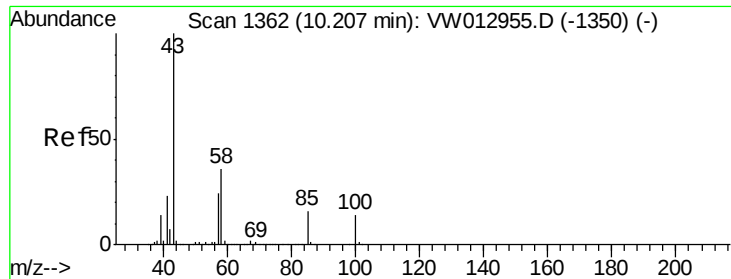
MMDadoda
9/19/2019 1:27:25 AM



#50
Toluene-d8
Concen: 53.982 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	98	Resp	105821
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 305.403 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MSD

Tot Ion: 43 Resp: 118547

Ion Ratio Lower Upper

43 100

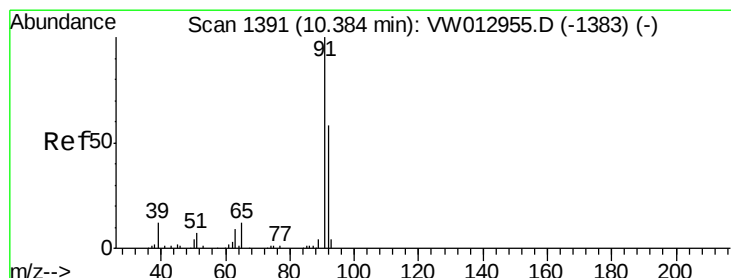
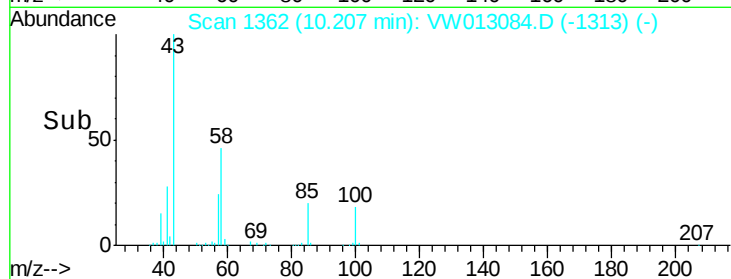
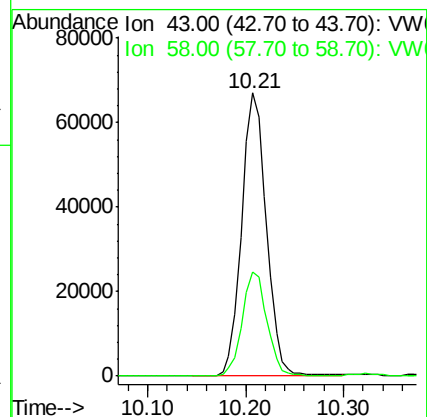
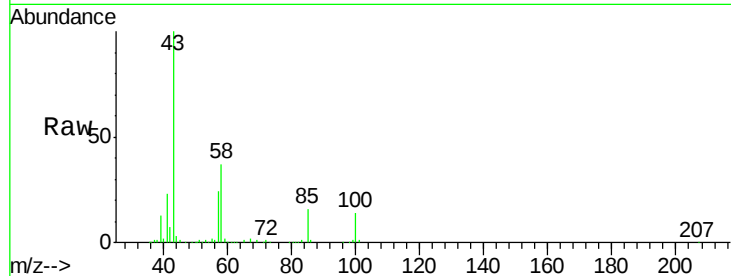
58 36.6 29.5 44.3

Manual Integrations

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MMDadoda

9/19/2019 1:27:25 AM



#52

Toluene

Concen: 55.287 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013084.D

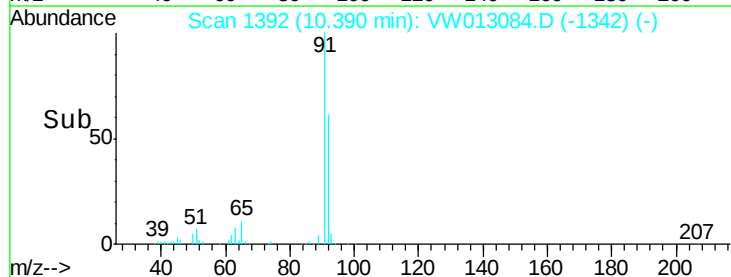
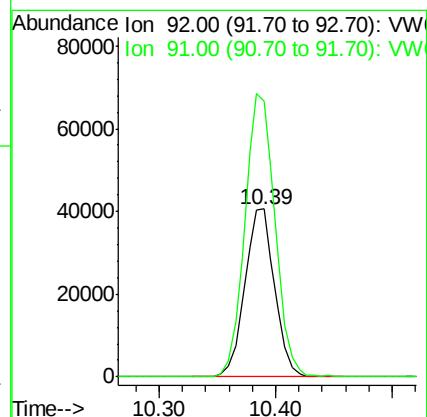
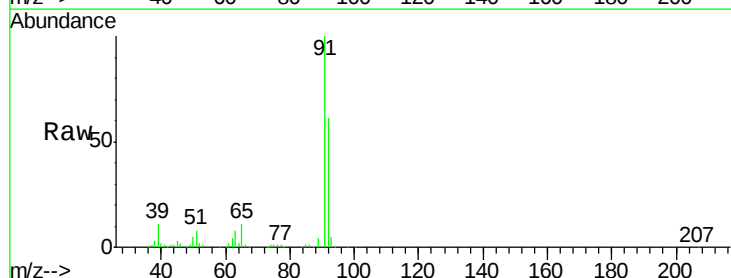
Acq: 17 Sep 2019 12:37

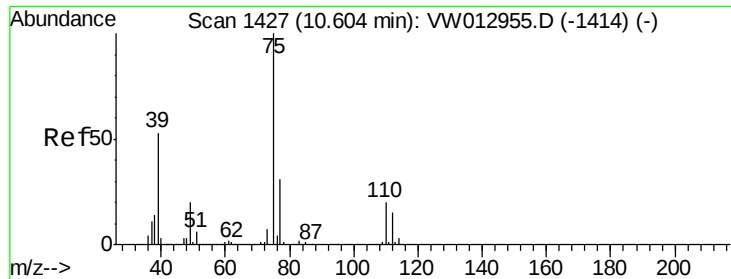
Tgt Ion: 92 Resp: 72354

Ion Ratio Lower Upper

92 100

91 170.6 137.5 206.3





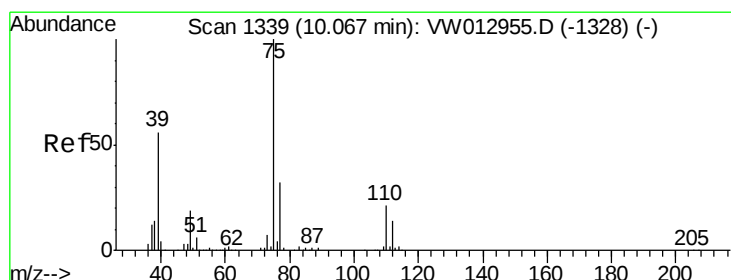
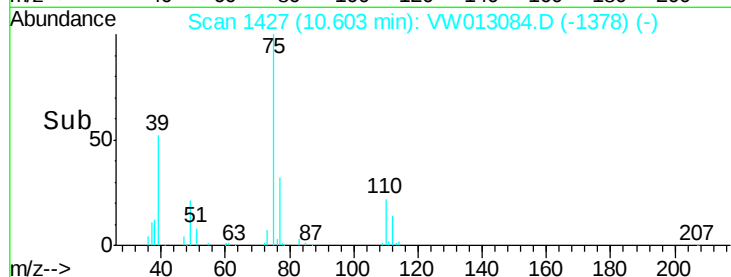
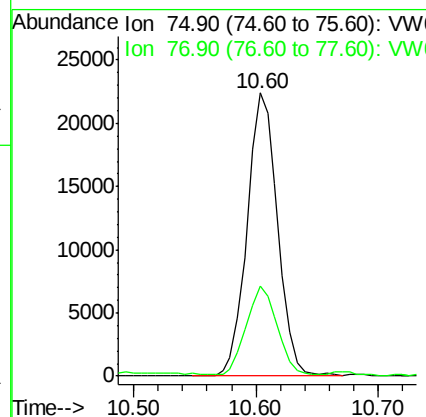
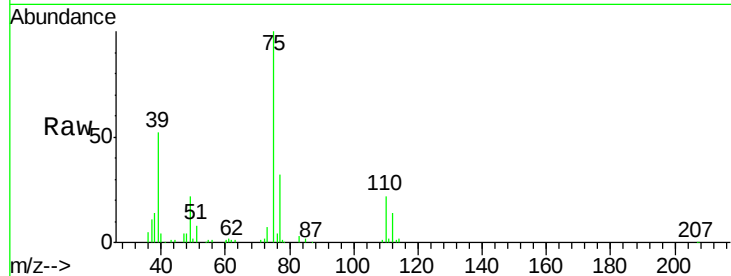
#53
t-1,3-Dichloropropene
Concen: 52.494 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	37.0

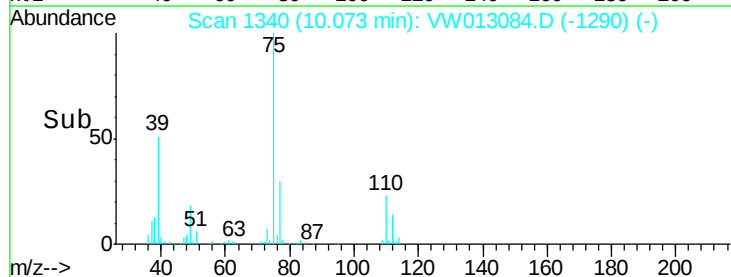
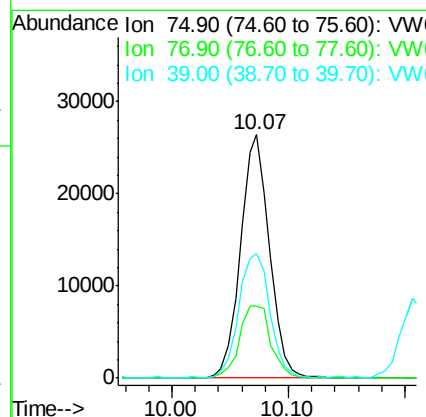
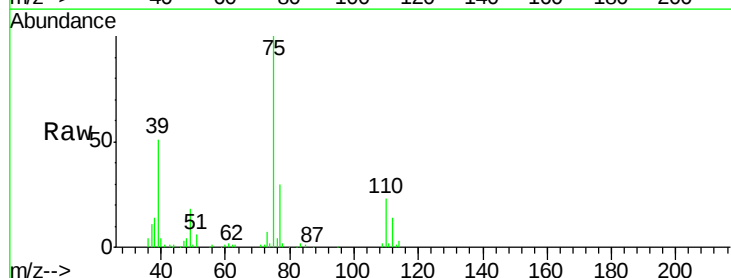
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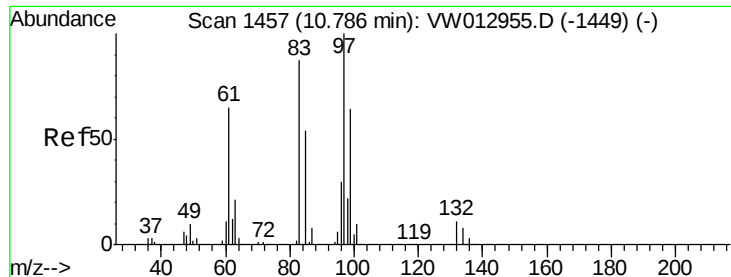
MMDadoda
9/19/2019 1:27:25 AM



#54
cis-1,3-Dichloropropene
Concen: 53.934 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.5	38.3
39	50.7	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 58.751 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

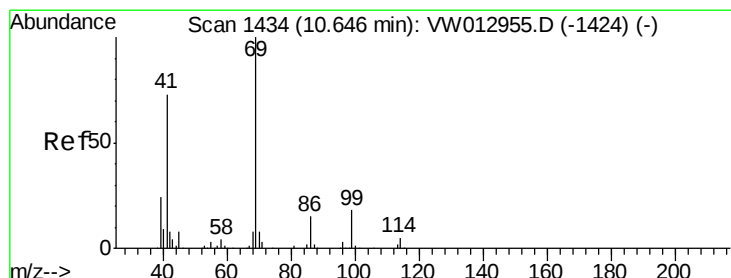
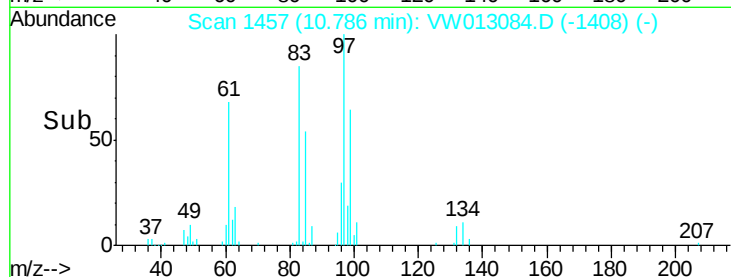
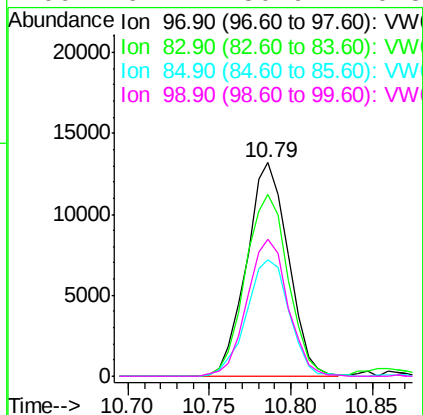
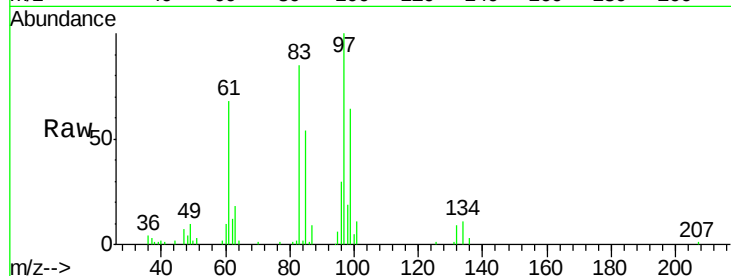
ClientSampleId :

SB-3C-(9)MSD

Tot Ion:	97	Resp:	23463
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.4	104.0
85	54.3	43.3	64.9
99	64.4	50.9	76.3

Manual Integrations
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9/19/2019 1:27:25 AM



#56

Ethyl methacrylate

Concen: 55.884 ug/l

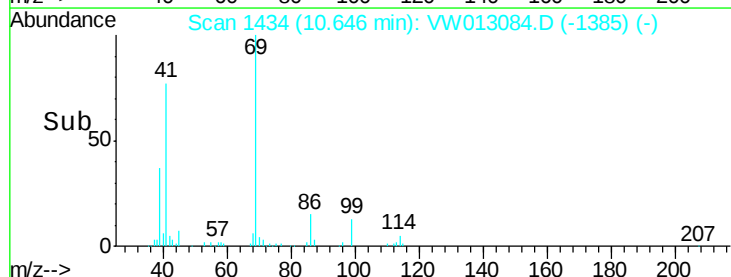
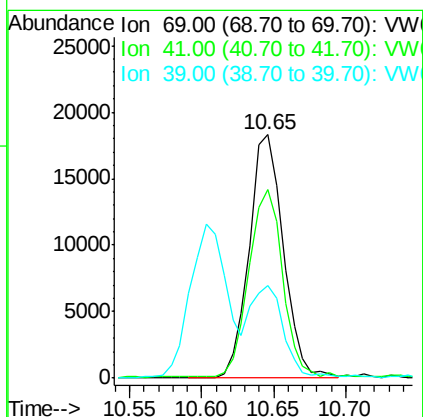
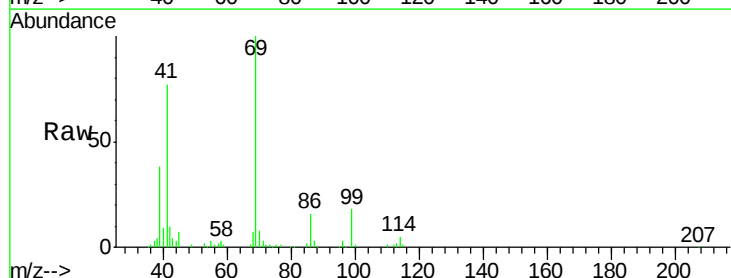
RT: 10.65 min Scan# 1434

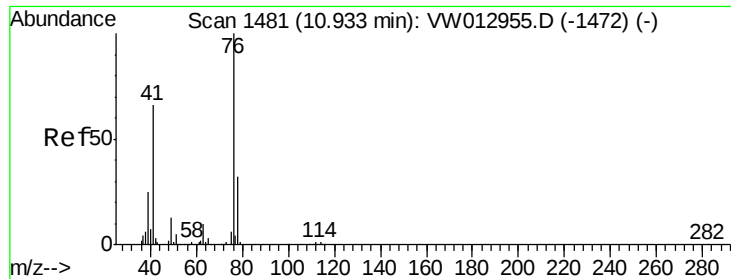
Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Tgt Ion:	69	Resp:	30041
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.8	91.2
39	35.6	29.4	44.0





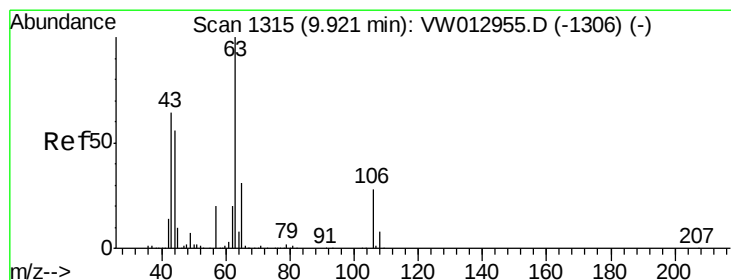
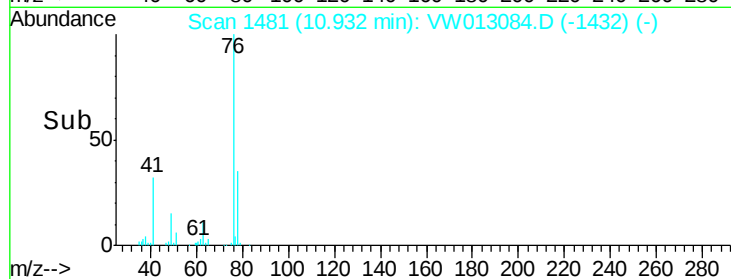
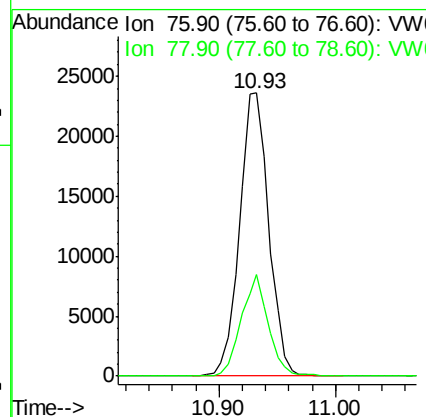
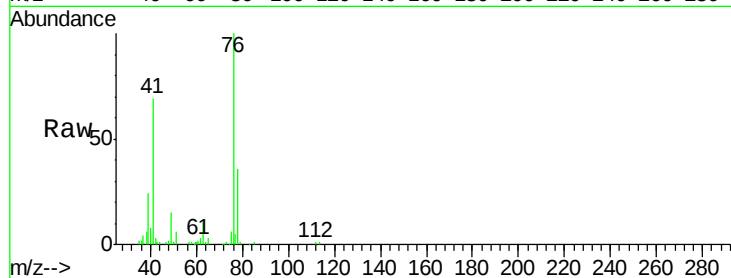
#57
 1,3-Dichloropropane
 Concen: 58.181 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.6	38.4

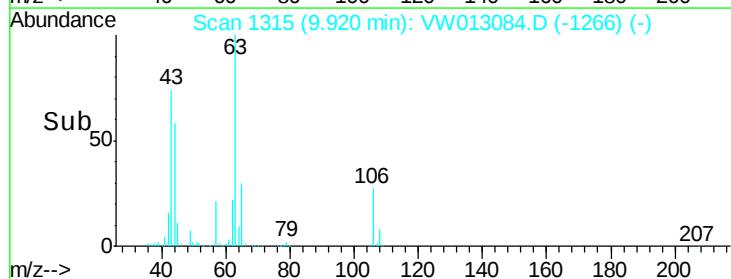
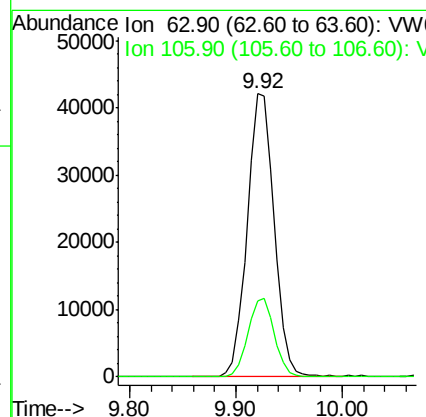
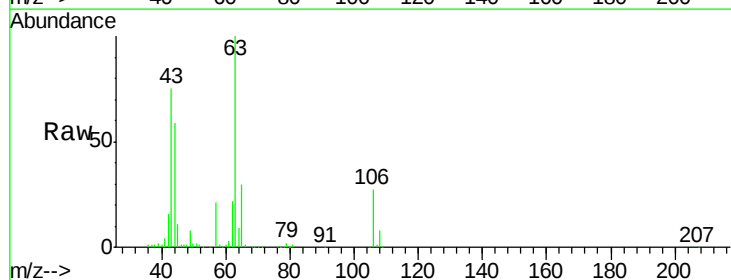
Manual Integrations
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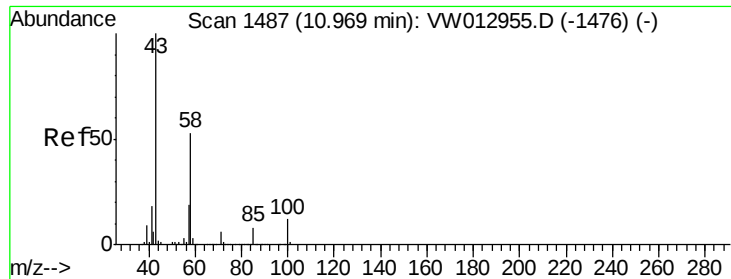
MMDadoda
 9/19/2019 1:27:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.215 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	22.2	33.2





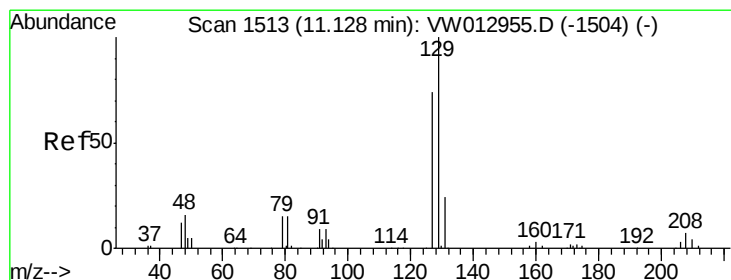
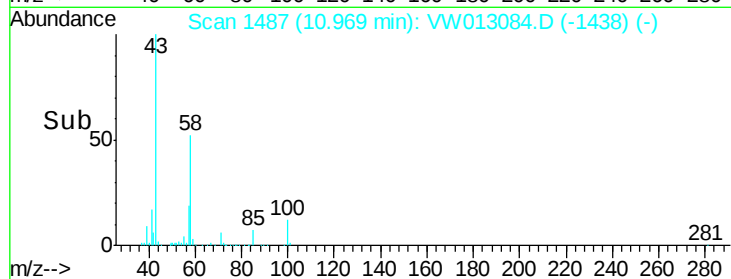
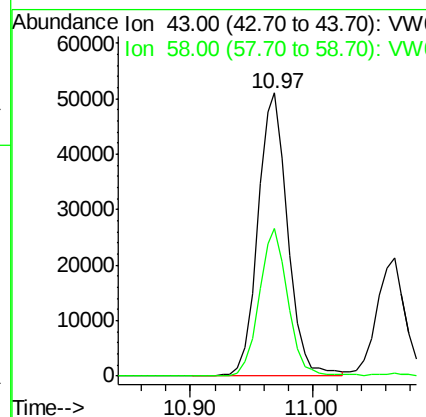
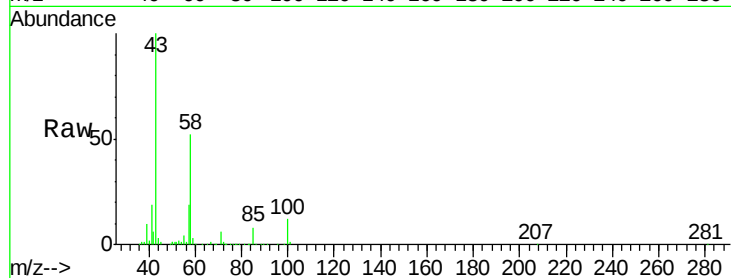
#59
2-Hexanone
Concen: 318.880 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion: 43 Resp: 86188
Ion Ratio Lower Upper
43 100
58 50.5 25.8 77.3

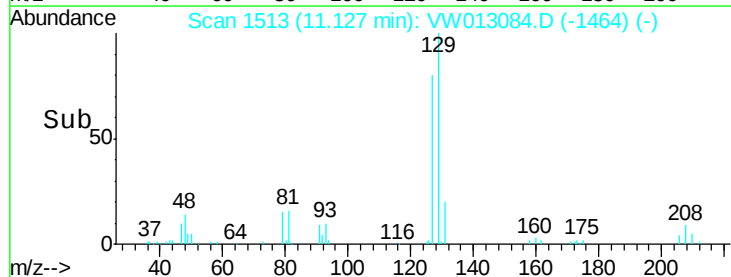
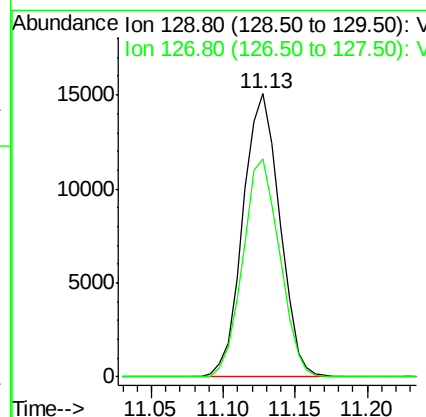
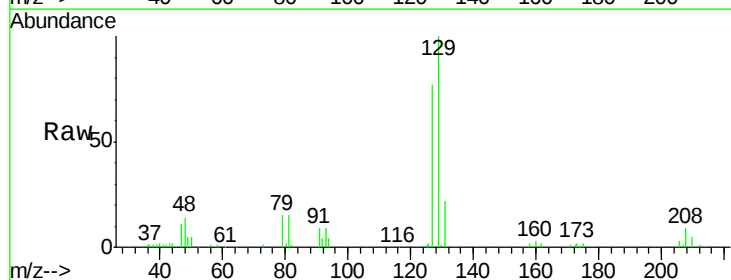
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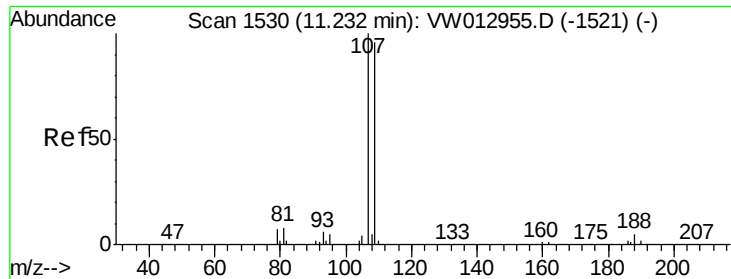
MMDadoda
9/19/2019 1:27:25 AM



#60
Dibromochloromethane
Concen: 55.305 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion: 129 Resp: 26703
Ion Ratio Lower Upper
129 100
127 77.0 37.4 112.2





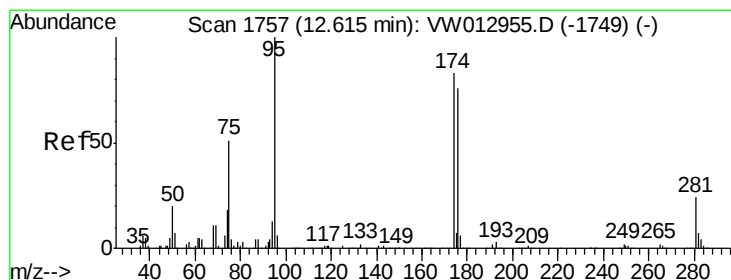
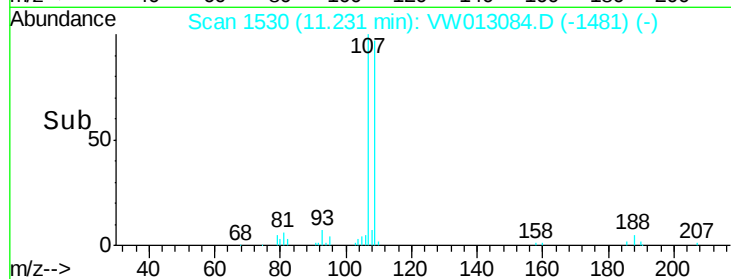
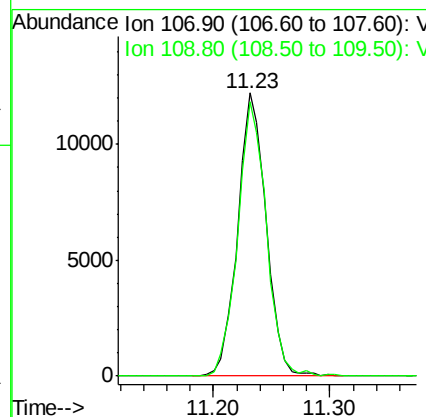
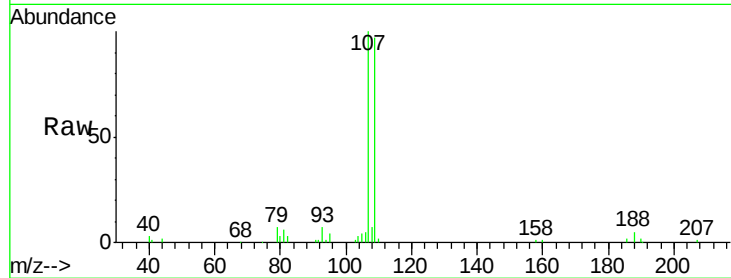
#61
 1,2-Dibromoethane
 Concen: 57.003 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.3	75.0	112.6

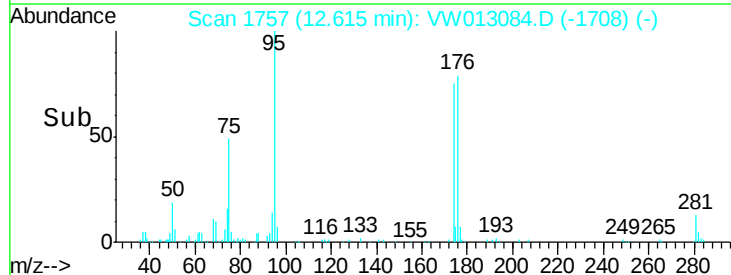
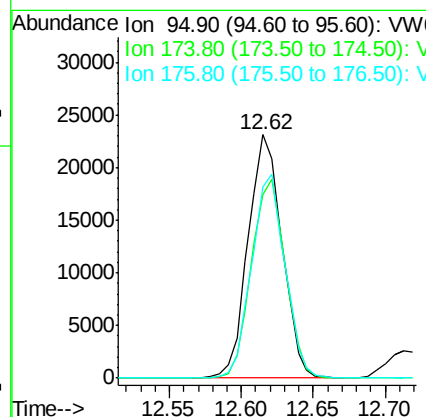
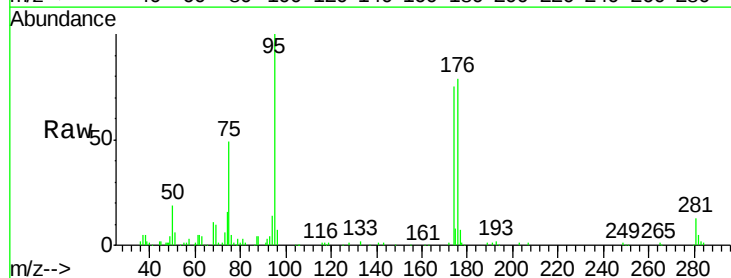
Manual Integrations
 APPROVED

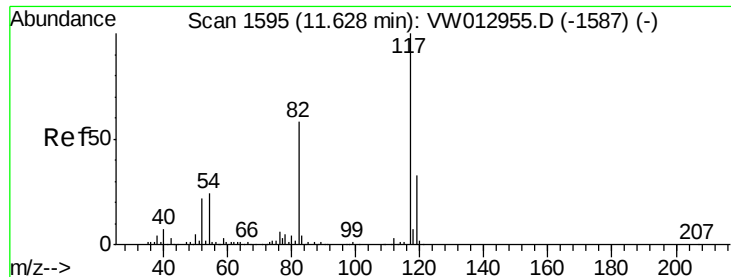
MMDadoda
 9/19/2019 1:27:25 AM



#62
 4-Bromofluorobenzene
 Concen: 53.398 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	170.4
176	82.1	0.0	164.6





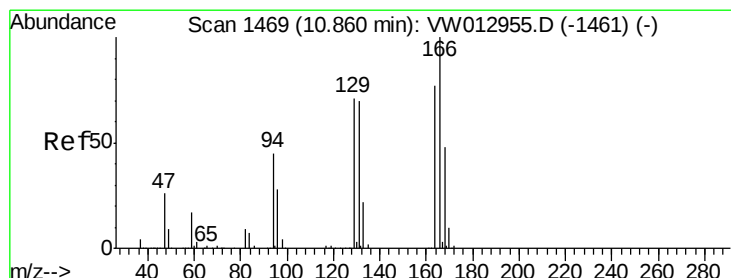
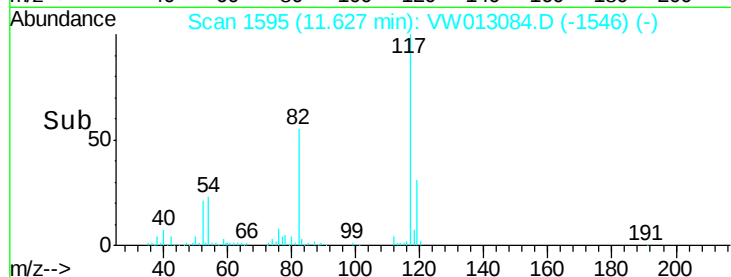
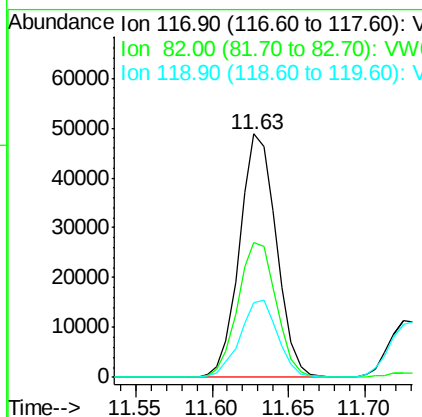
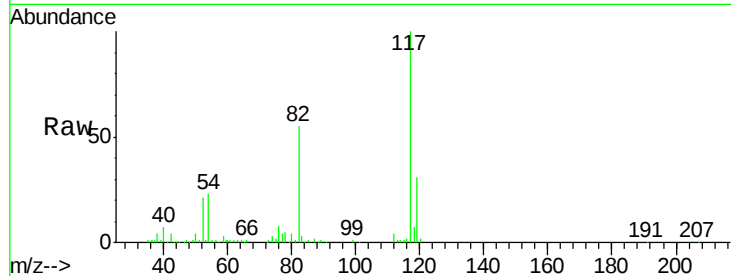
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.3	69.5
119	30.9	26.2	39.4

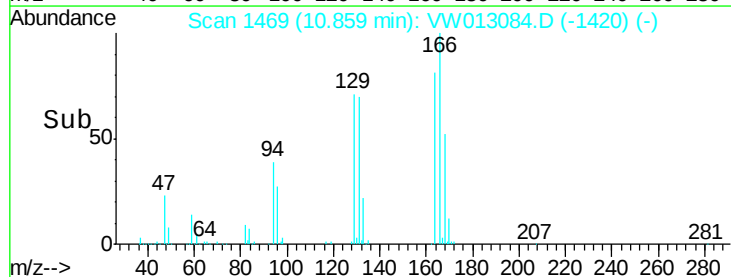
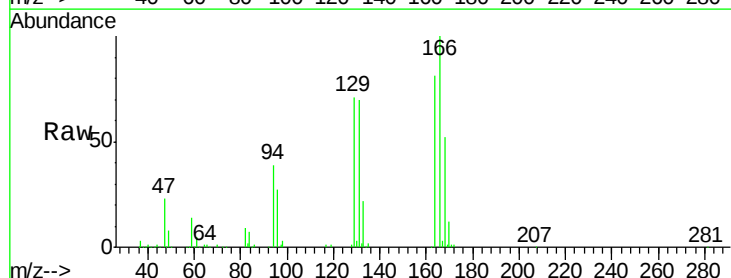
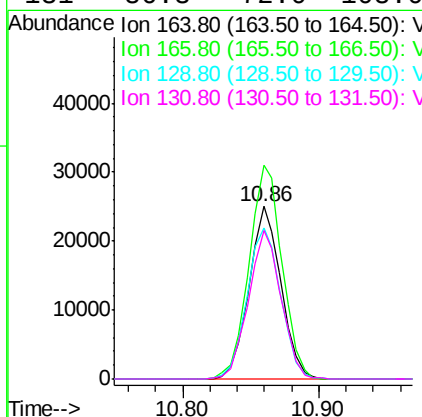
Manual Integrations
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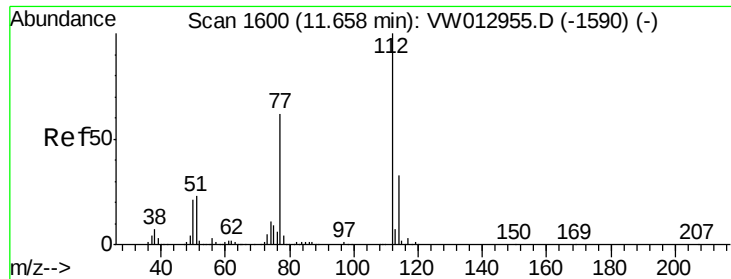
MMDadoda
9/19/2019 1:27:25 AM



#64
Tetrachloroethene
Concen: 84.544 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	103.3	154.9
129	87.3	73.8	110.8
131	86.3	72.0	108.0





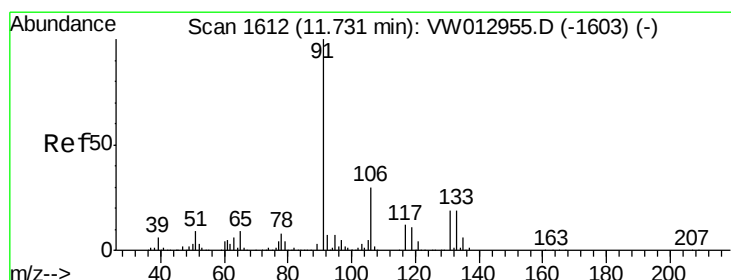
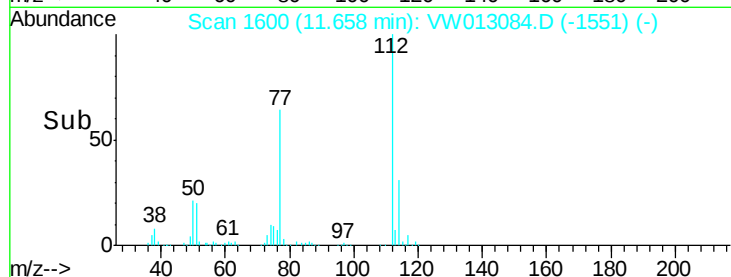
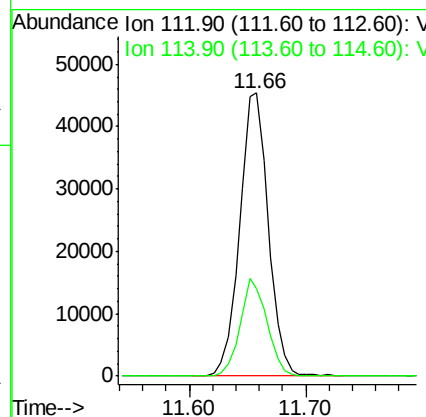
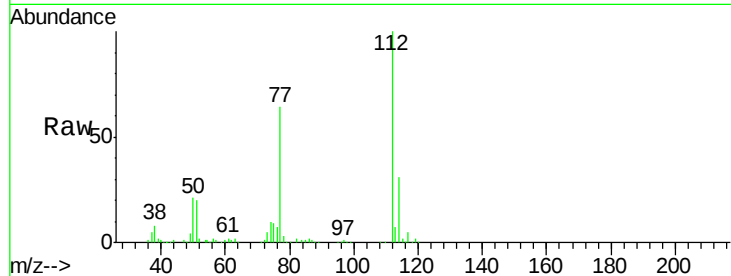
#65
Chlorobenzene
Concen: 53.360 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion:112 Resp: 77753
Ion Ratio Lower Upper
112 100
114 31.1 26.4 39.6

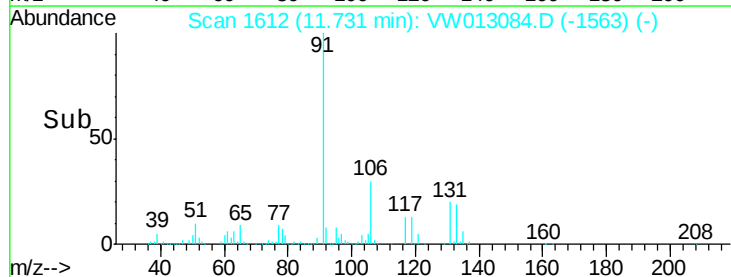
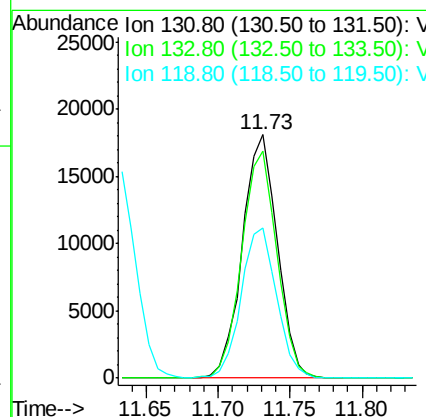
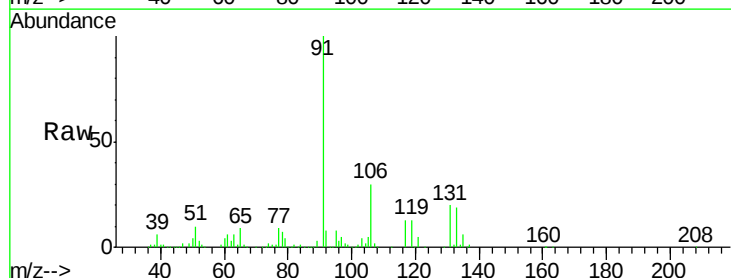
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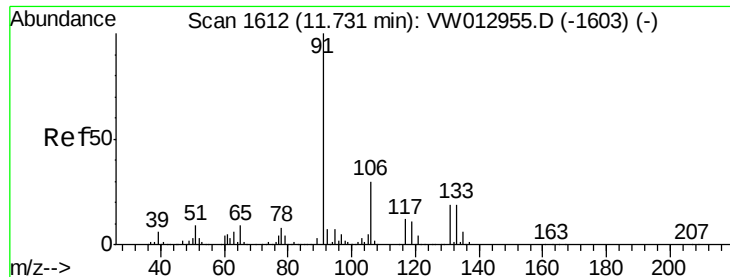
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.729 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion:131 Resp: 30561
Ion Ratio Lower Upper
131 100
133 94.1 47.9 143.8
119 62.4 30.9 92.7





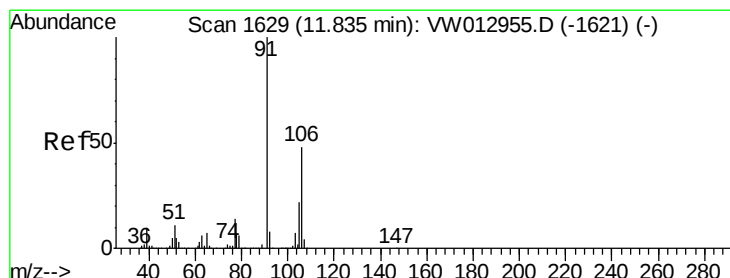
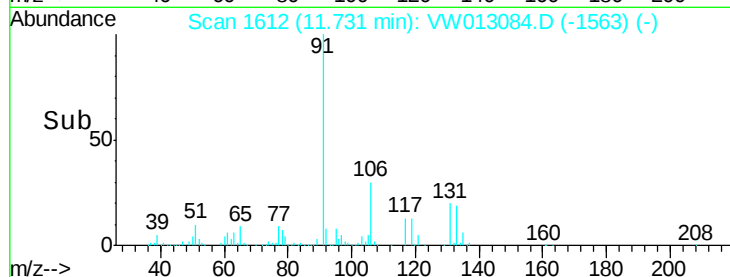
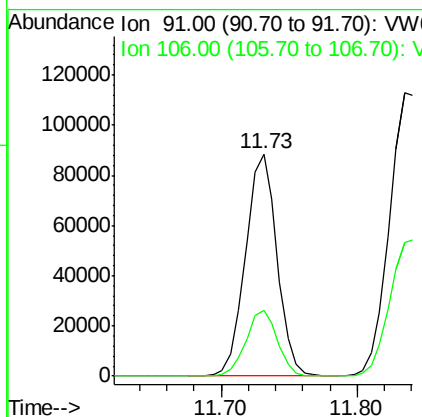
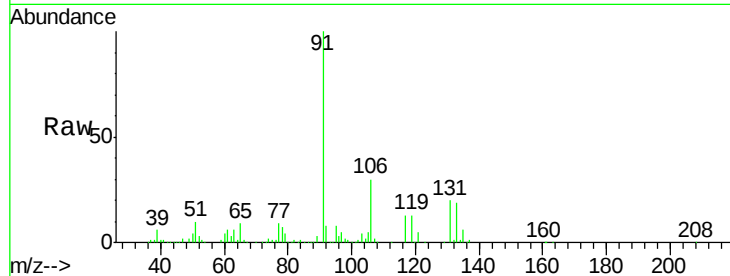
#67
Ethyl Benzene
Concen: 53.322 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	91	Resp	143500
Ion Ratio	100	Lower	Upper
106	29.8	24.3	36.5

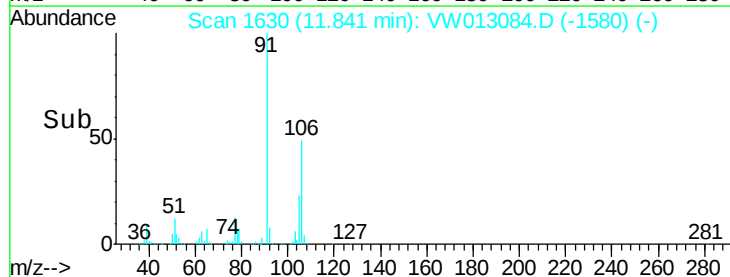
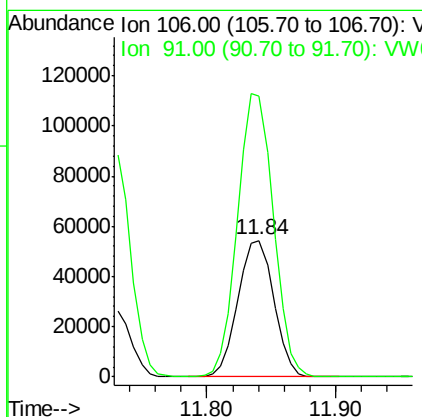
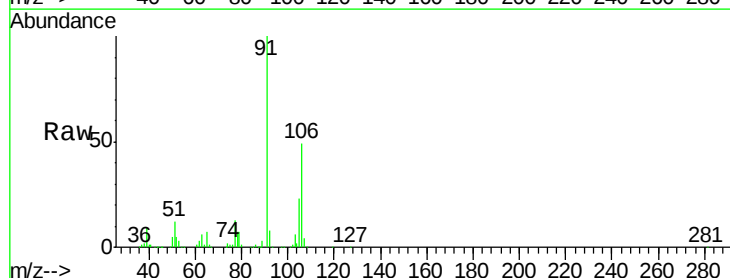
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#68
m/p-Xylenes
Concen: 106.839 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	106	Resp	105036
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	207.7	165.8	248.8





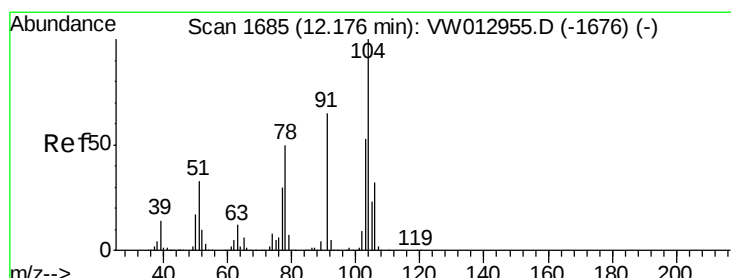
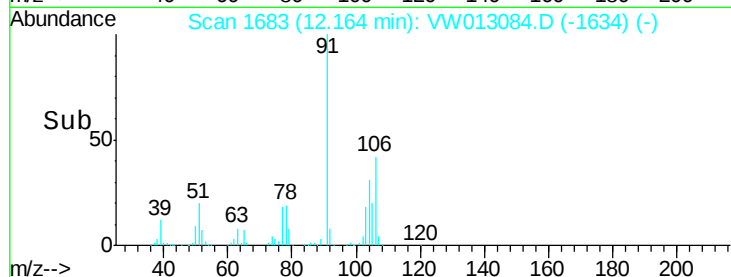
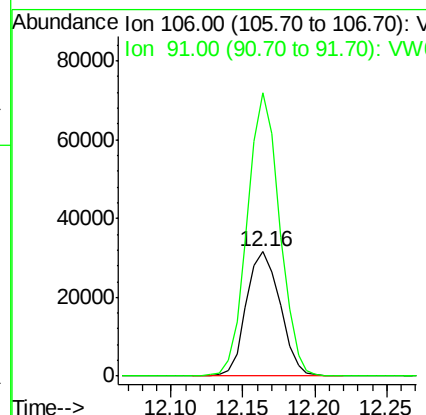
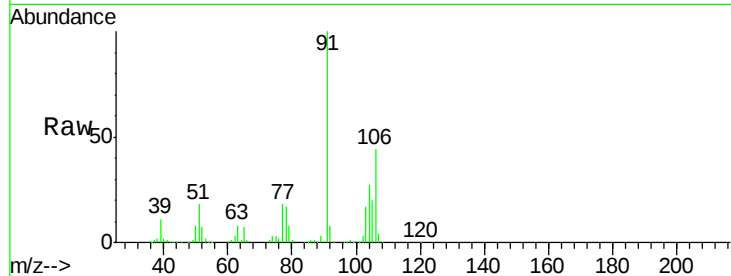
#69
o-Xylene
Concen: 55.743 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.5	109.7	329.0	

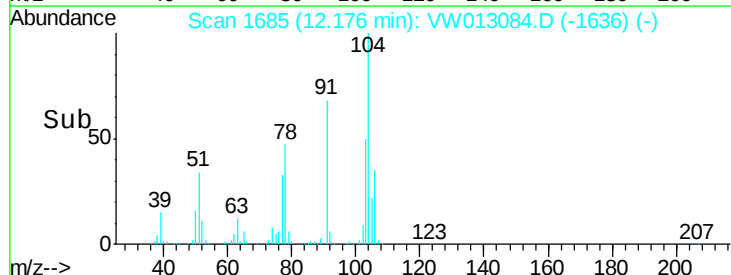
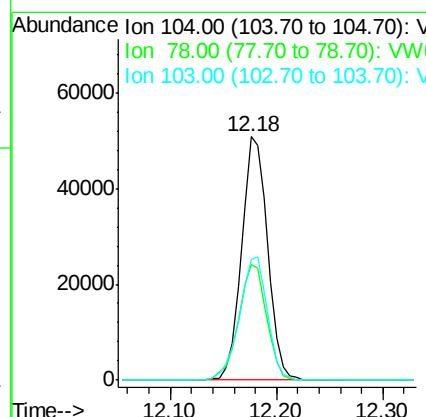
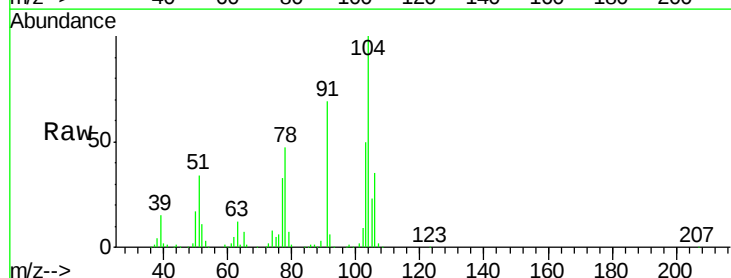
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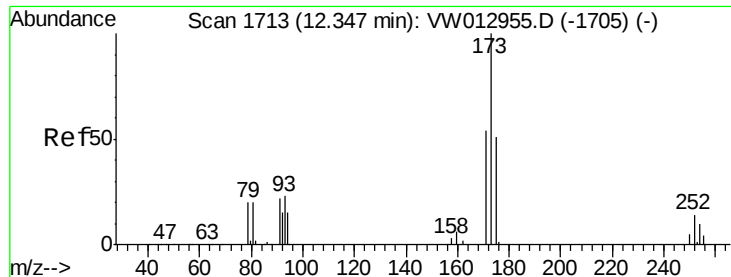
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#70
Styrene
Concen: 53.226 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.3	42.1	63.1	
103	54.3	44.2	66.4	





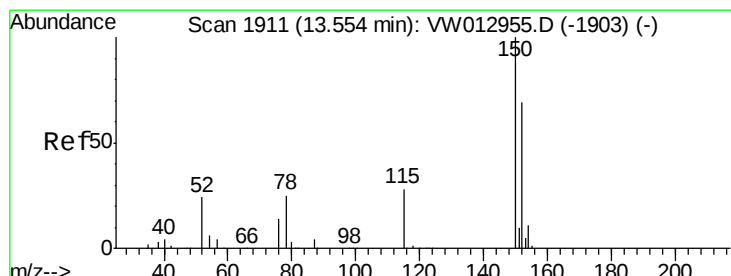
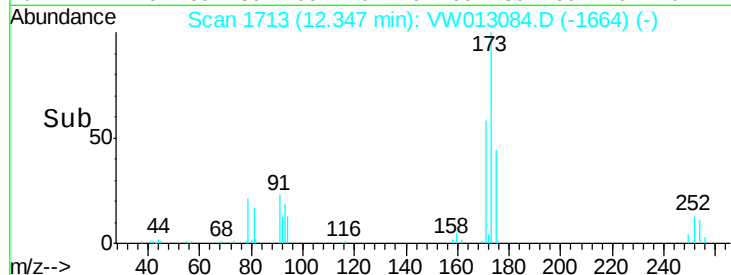
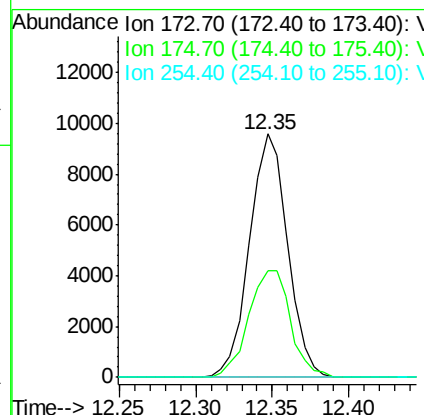
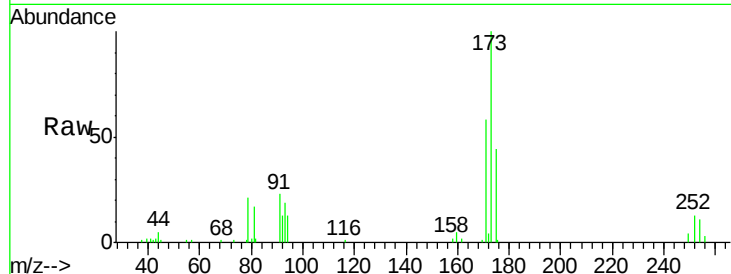
#71
Bromoform
Concen: 56.458 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.0	0.1	0.1#

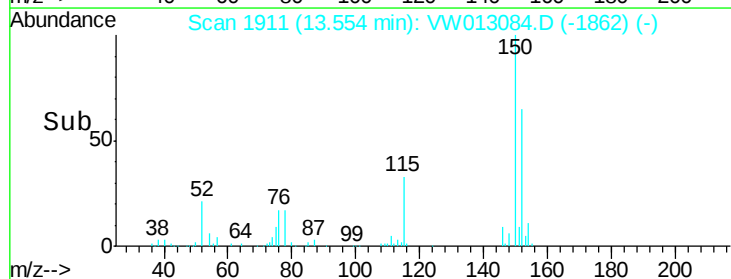
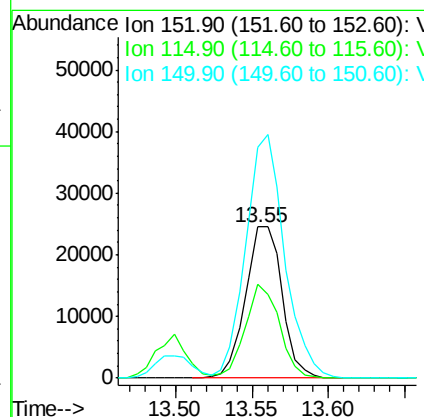
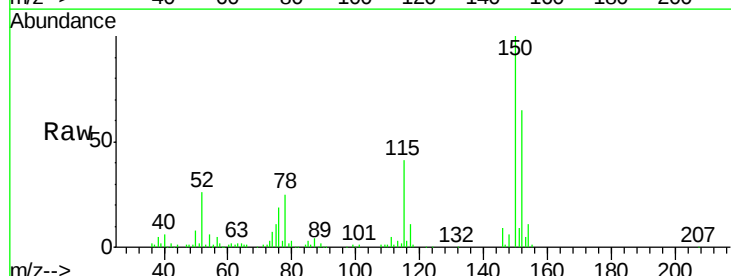
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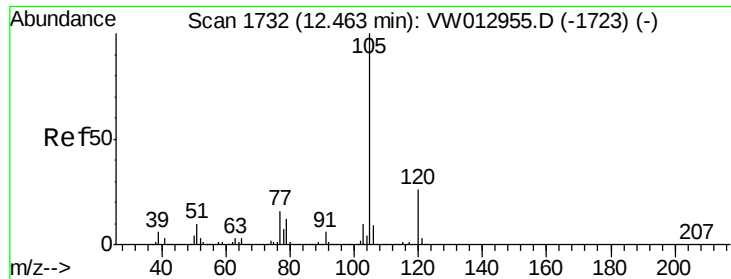
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.8	86.4
150	170.6	0.0	340.2





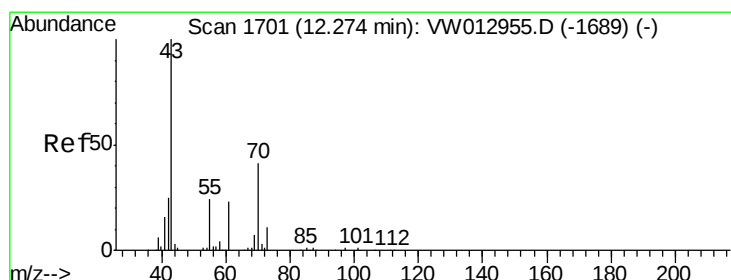
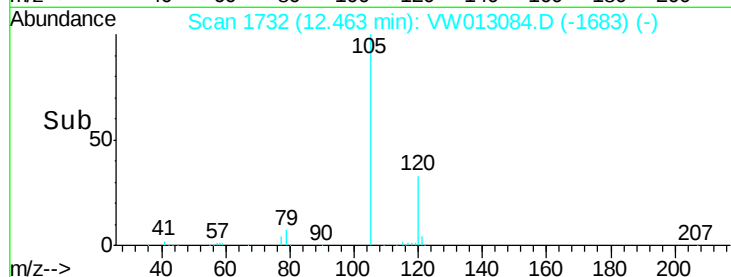
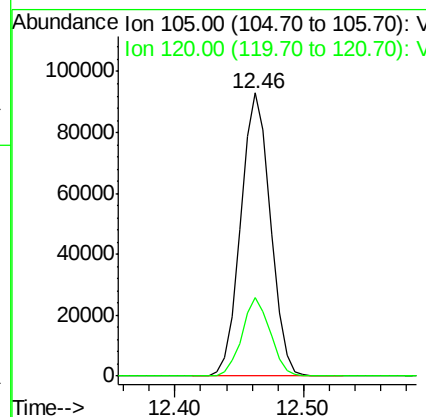
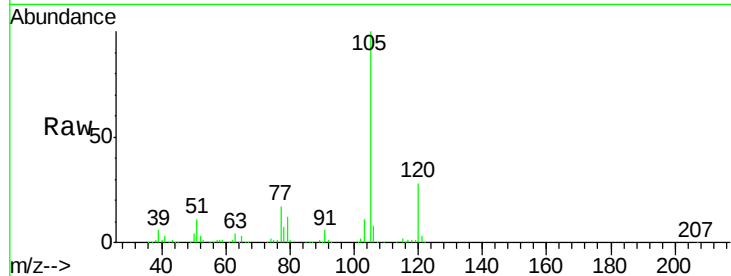
#73
Isopropylbenzene
Concen: 54.663 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	147835		
120	26.4	13.0	39.0	

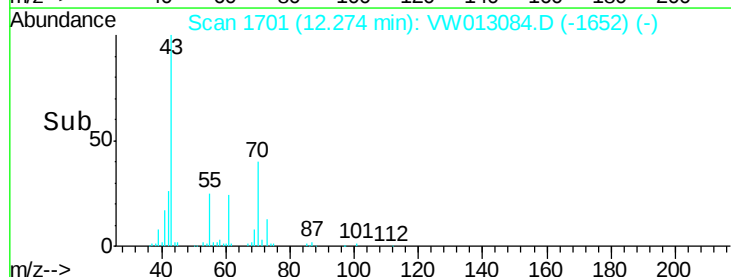
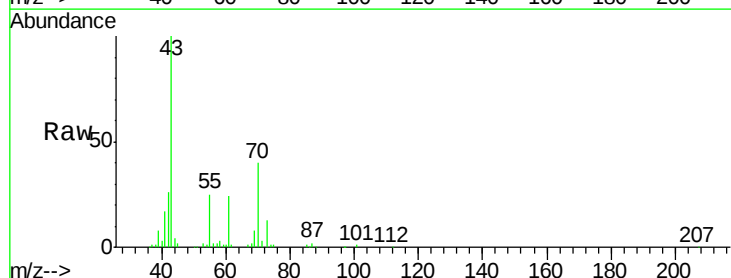
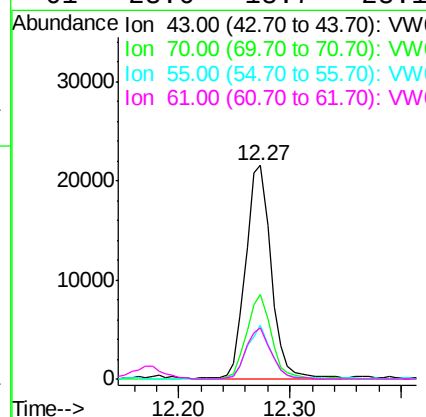
Manual Integrations
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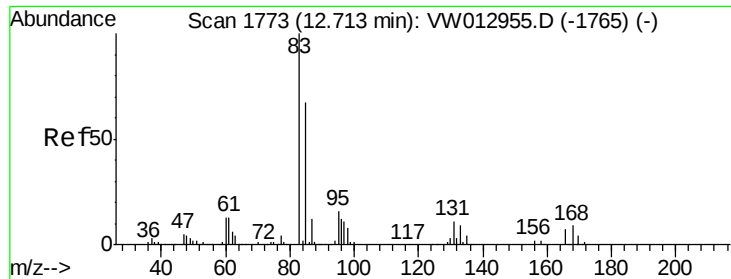
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9/19/2019 1:27:25 AM



#74
N-ethyl acetate
Concen: 49.044 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	34120		
70	38.6	31.7	47.5	
55	24.5	19.4	29.2	
61	23.6	18.7	28.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 58.496 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

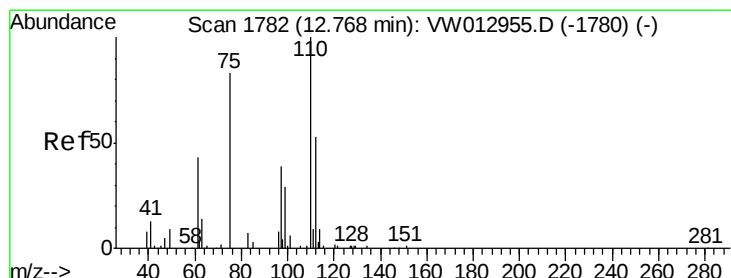
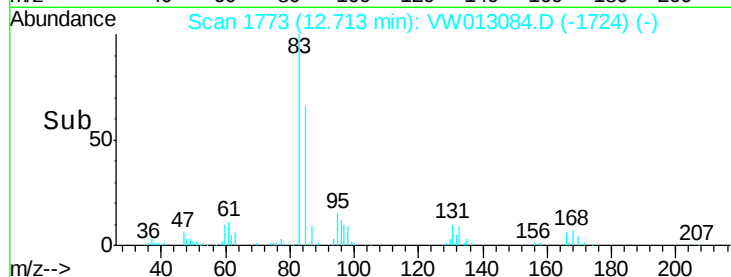
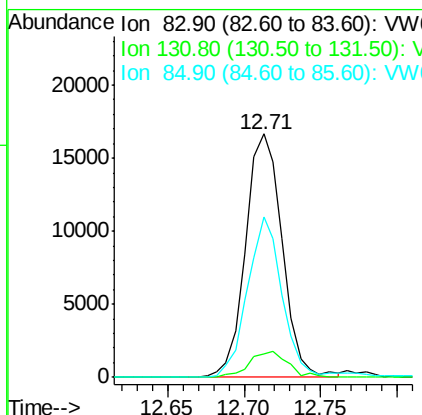
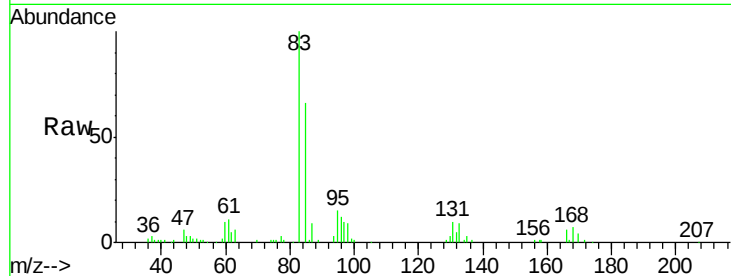
ClientSampleId :

SB-3C-(9)MSD

Tot Ion:	83	Resp:	27786
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.7	17.1
85	62.3	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.651 ug/l m

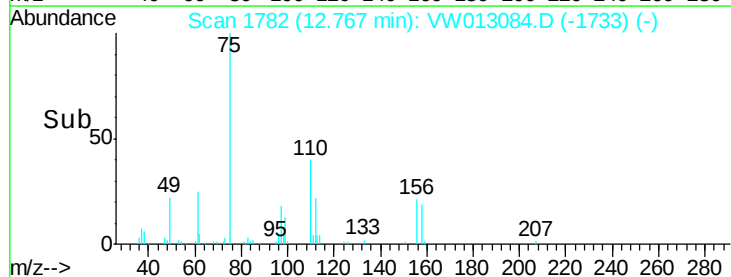
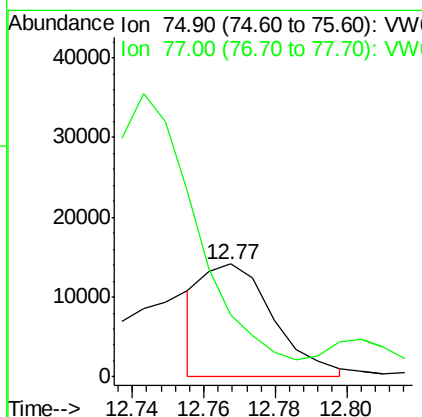
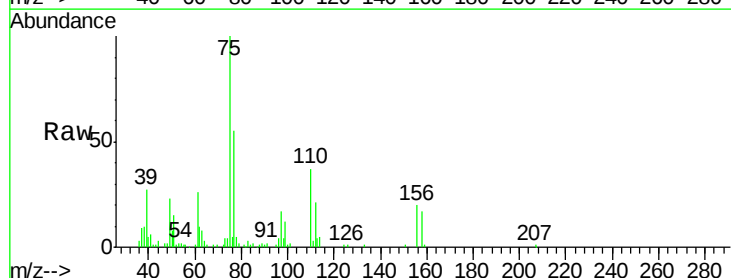
RT: 12.77 min Scan# 1782

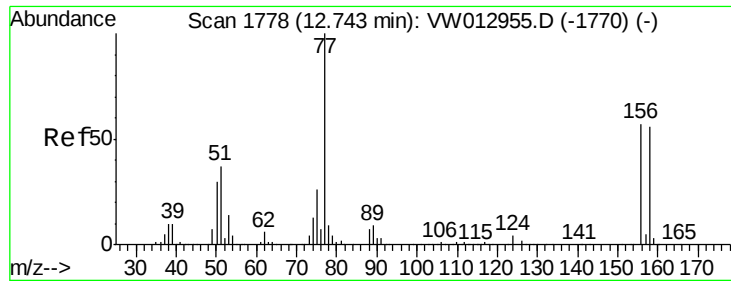
Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Tgt Ion:	75	Resp:	19532
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 56.136 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

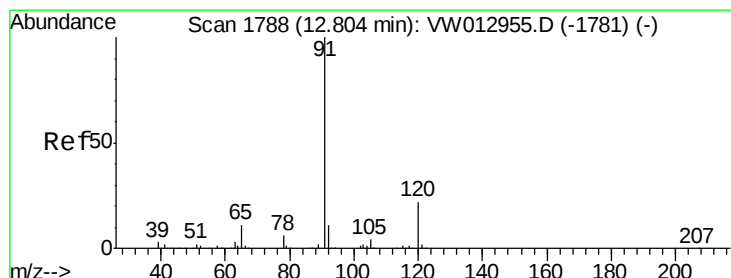
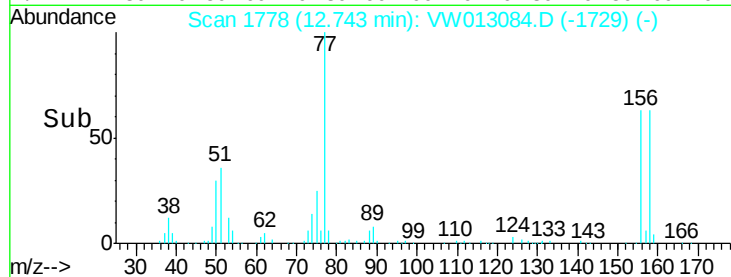
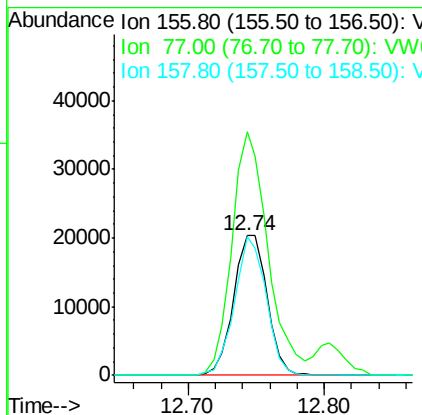
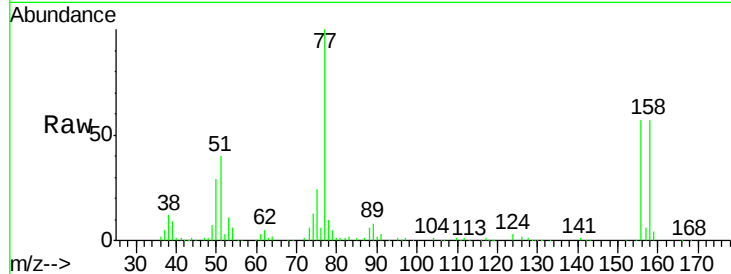
ClientSampleId :

SB-3C-(9)MSD

Tot Ion:	156	Resp:	34975
Ion	Ratio	Lower	Upper
156	100		
77	187.9	95.2	285.6
158	93.3	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 54.042 ug/l

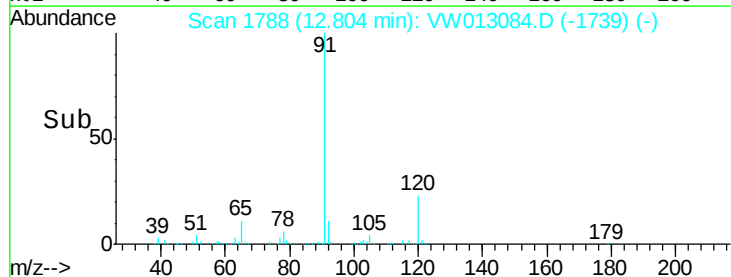
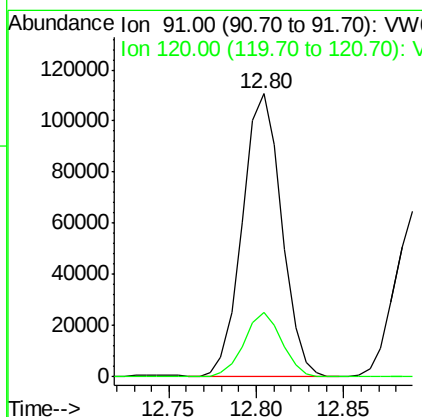
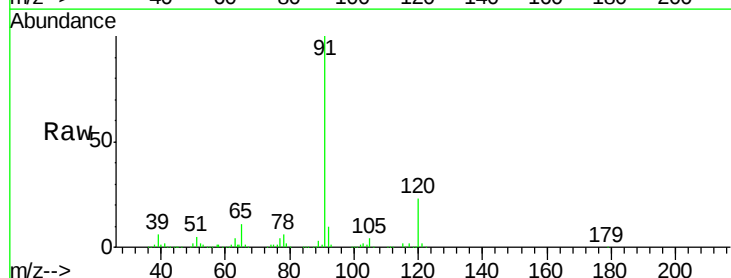
RT: 12.80 min Scan# 1788

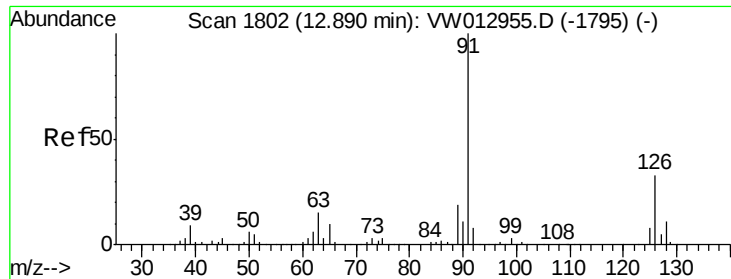
Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Tgt Ion:	91	Resp:	171921
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 55.389 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MSD

Tot Ion: 91 Resp: 101295

Ion Ratio Lower Upper

91 100

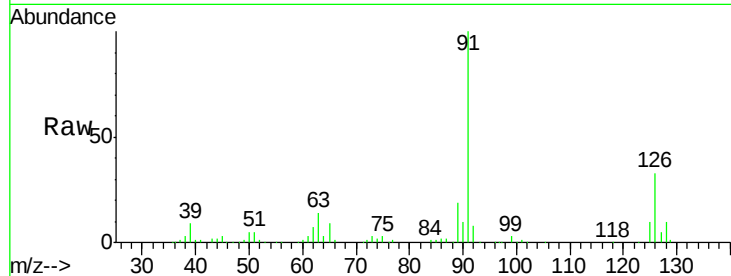
126 32.4 16.5 49.5

Manual Integrations

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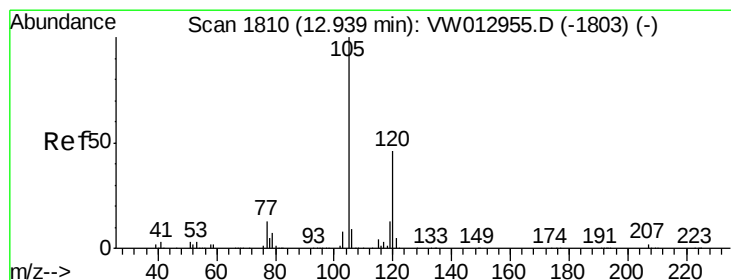
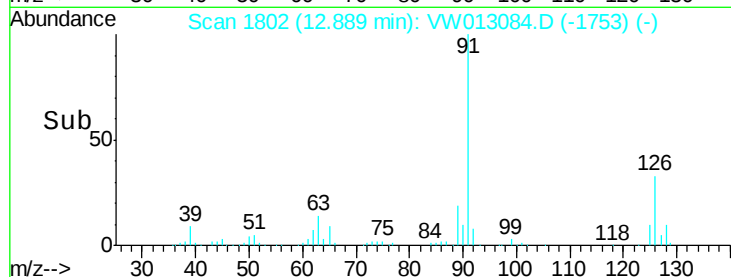
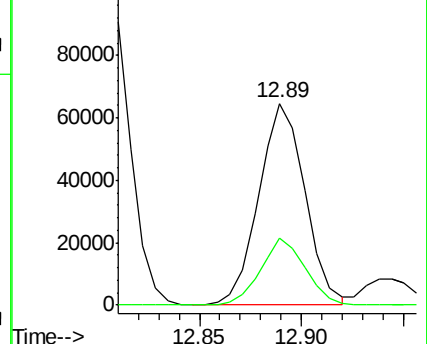
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.107 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW013084.D

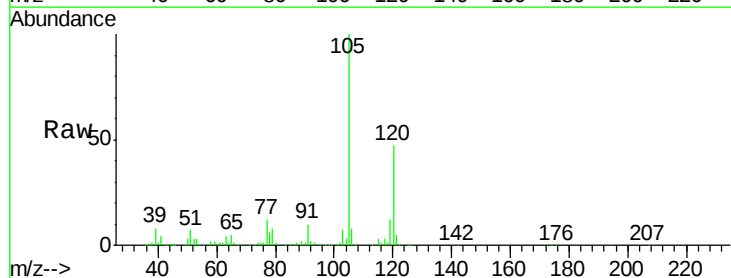
Acq: 17 Sep 2019 12:37

Tgt Ion:105 Resp: 126083

Ion Ratio Lower Upper

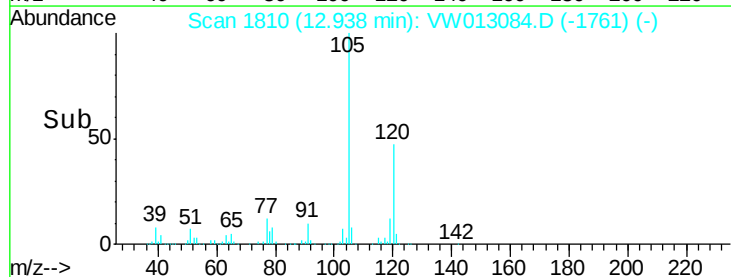
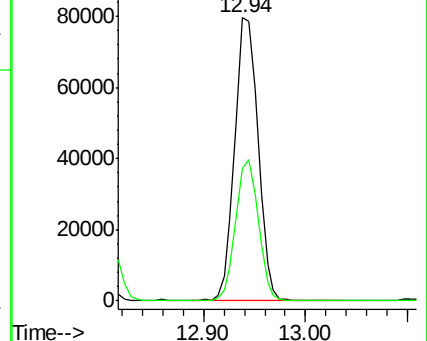
105 100

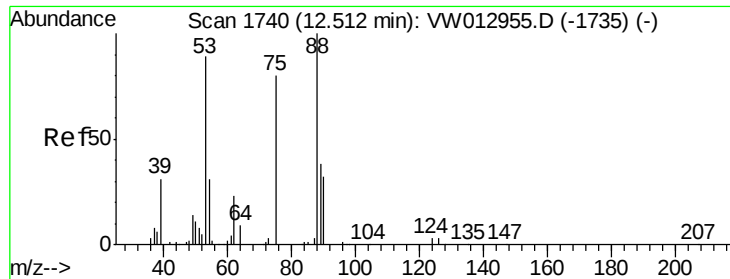
120 48.5 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





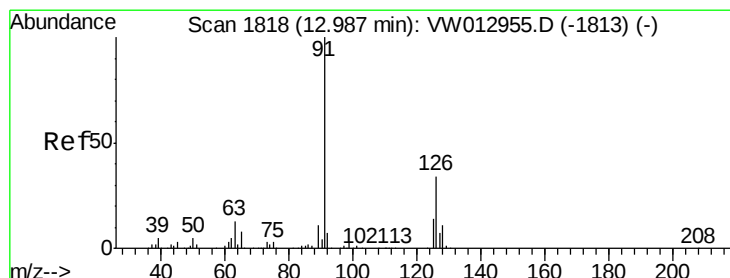
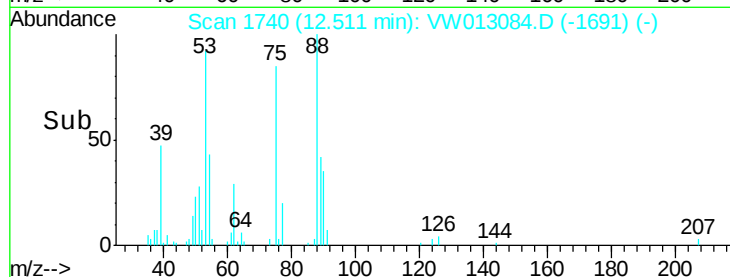
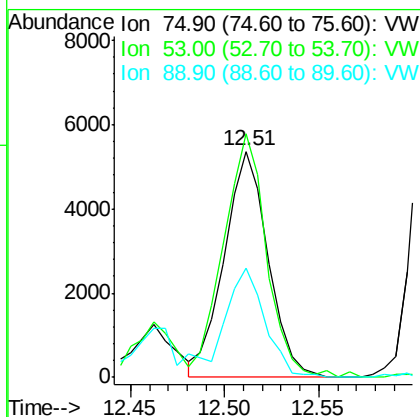
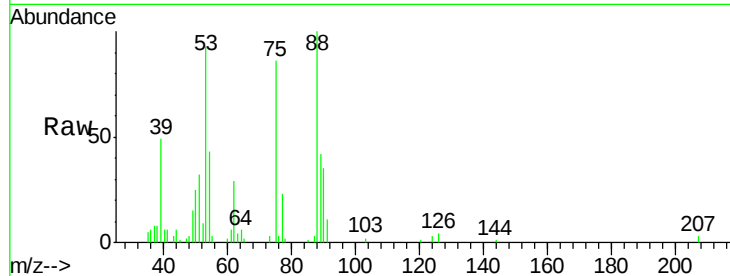
#81
trans-1,4-Dichloro-2-butene
Concen: 54.879 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.0	85.6	128.4
89	42.9	37.2	55.8

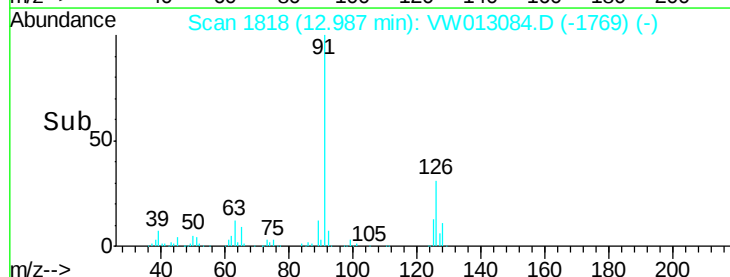
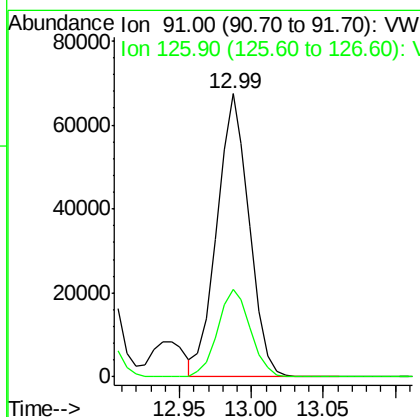
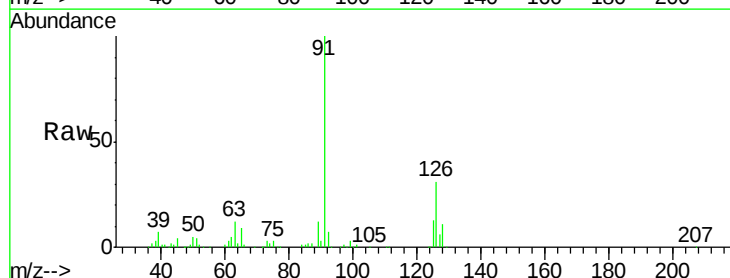
Manual Integrations
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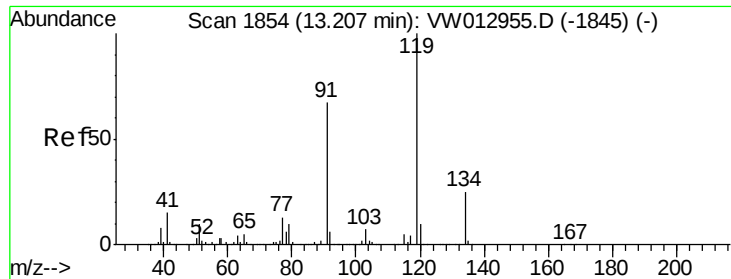
MMDadoda
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#82
4-Chlorotoluene
Concen: 54.426 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3





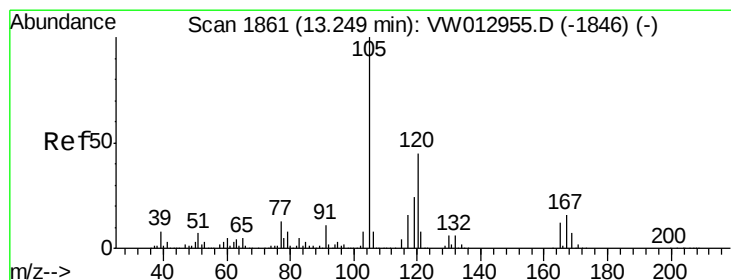
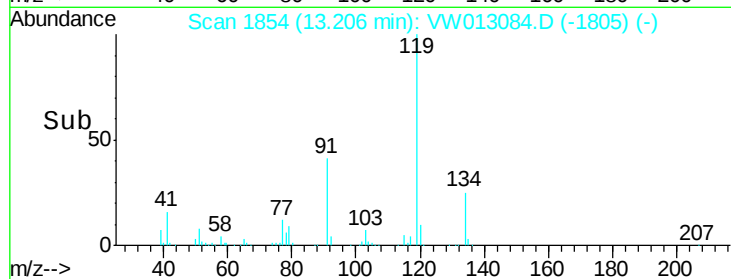
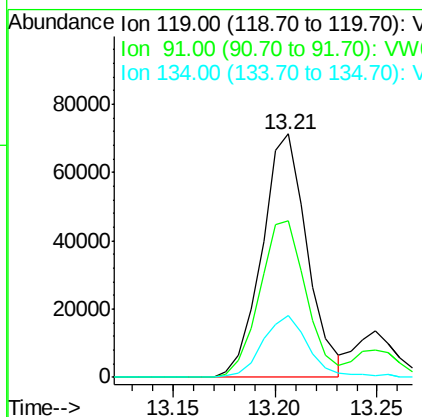
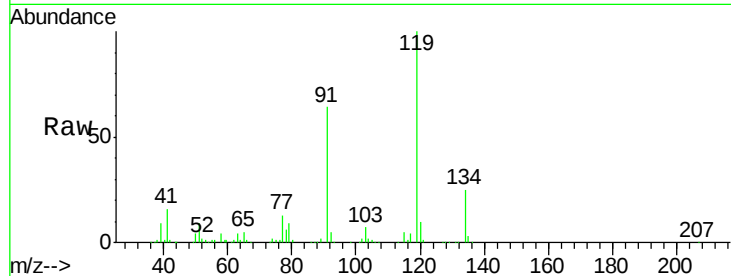
#83
tert-Butylbenzene
Concen: 53.747 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	109995		
91	66.4		32.6	98.0
134	25.9		12.4	37.4

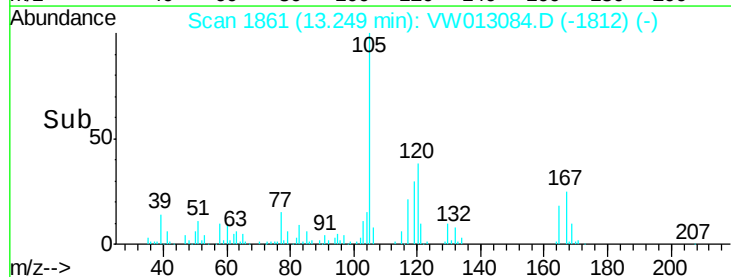
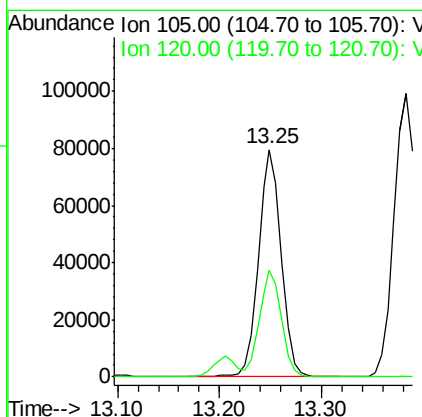
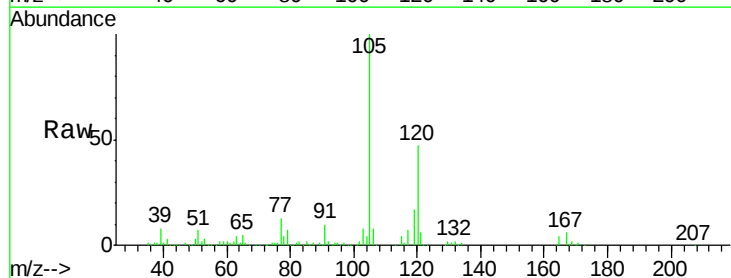
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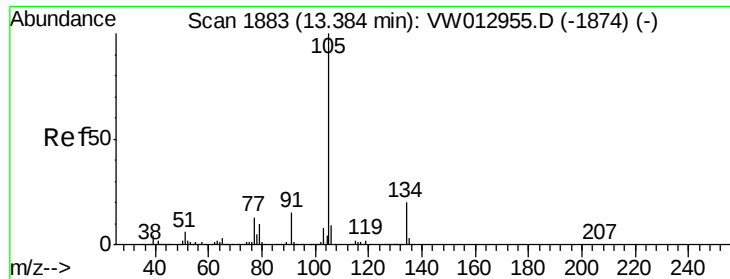
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#84
1,2,4-Trimethylbenzene
Concen: 54.768 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	123825		
120	44.9		21.9	65.7





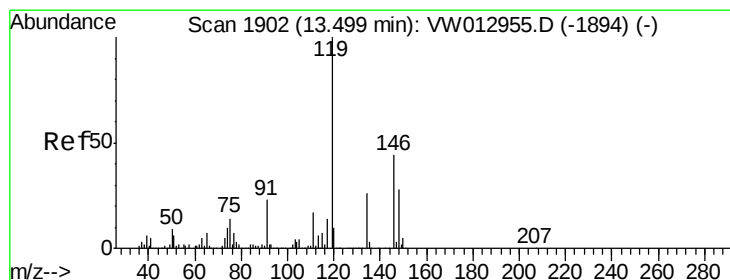
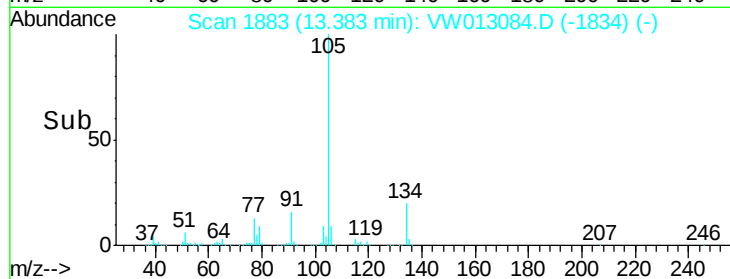
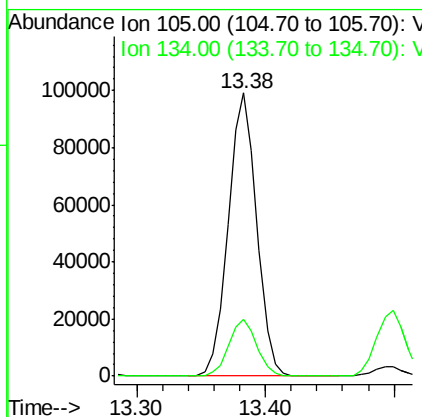
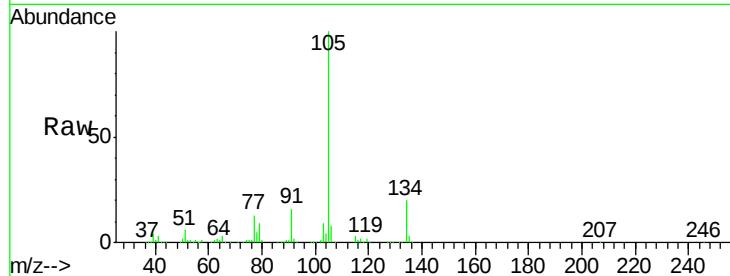
#85
 sec-Butylbenzene
 Concen: 54.684 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.2	30.4

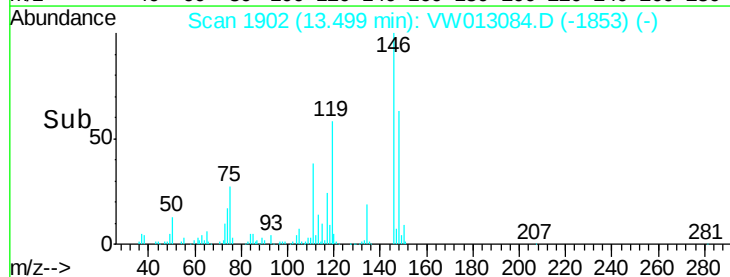
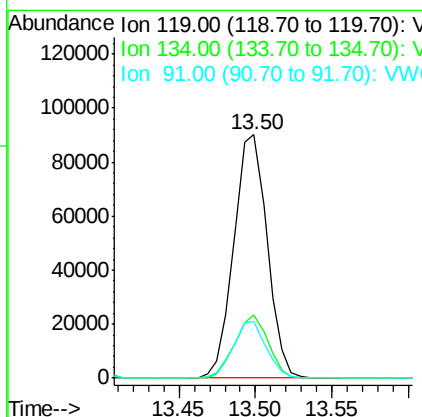
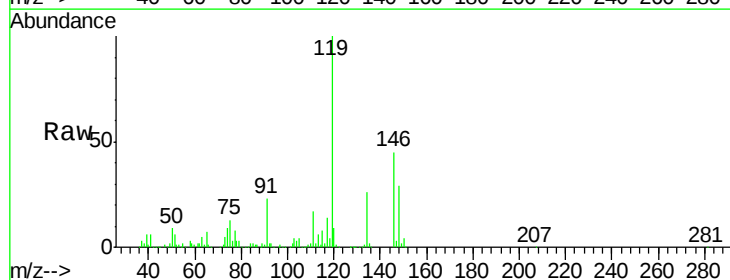
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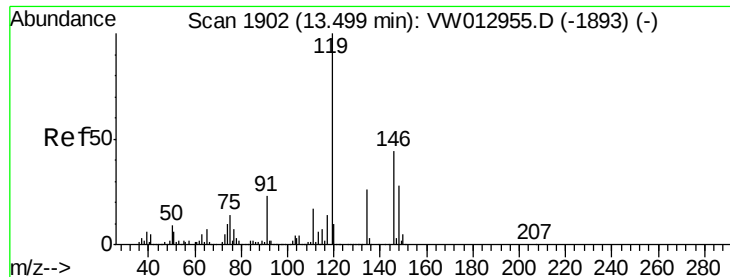
MMDadoda
 9/19/2019 1:27:25 AM



#86
 p-Isopropyltoluene
 Concen: 53.335 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.3
91	23.4	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 52.960 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013084.D

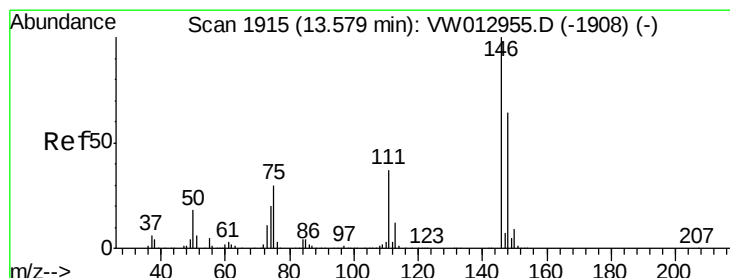
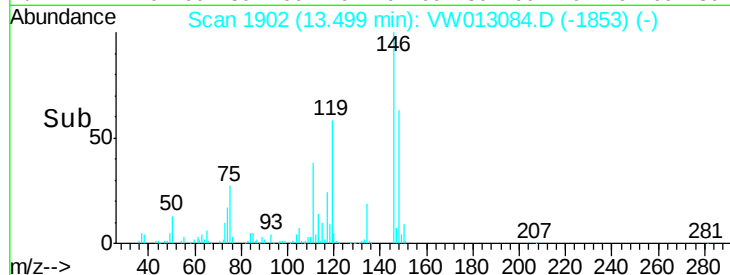
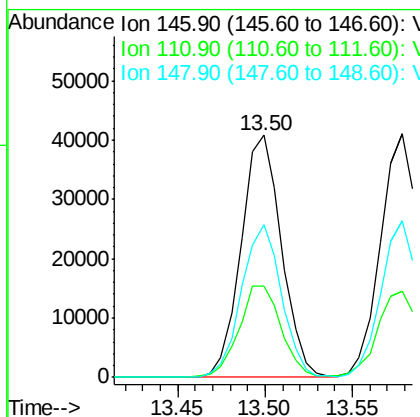
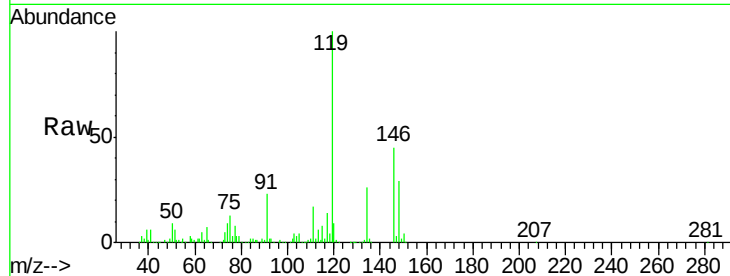
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	62.9	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.903 ug/l

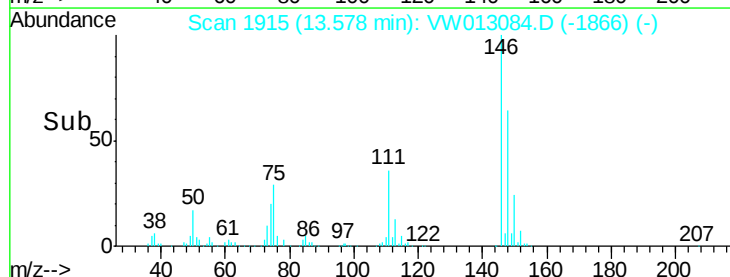
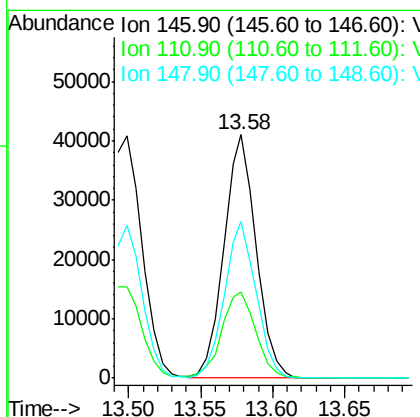
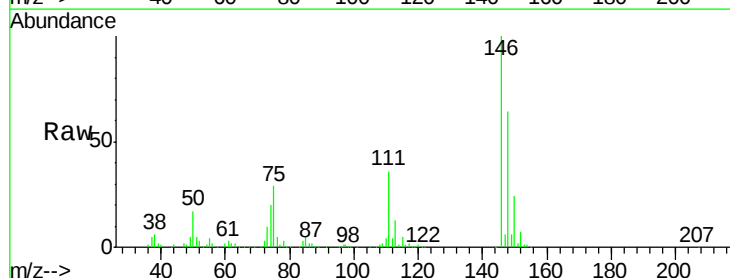
RT: 13.58 min Scan# 1915

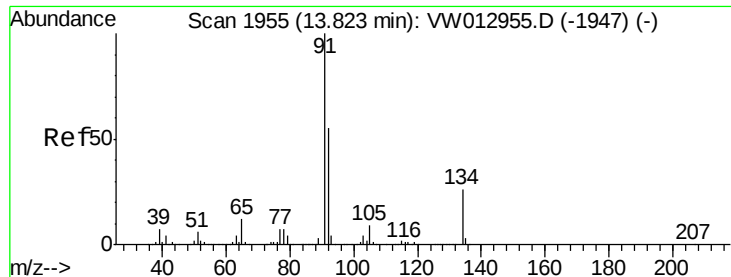
Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.2
148	63.4	31.9	95.5





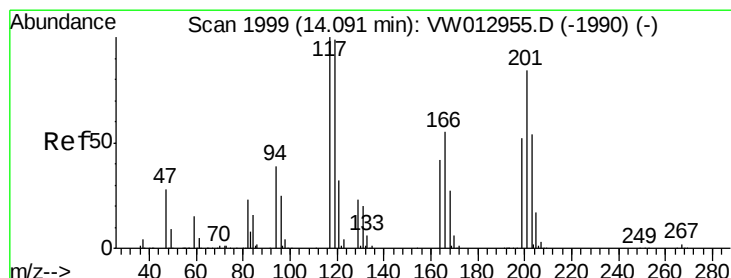
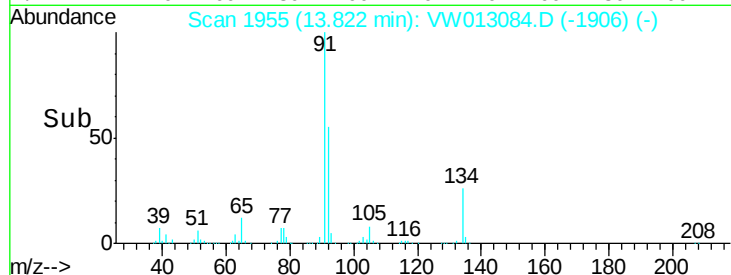
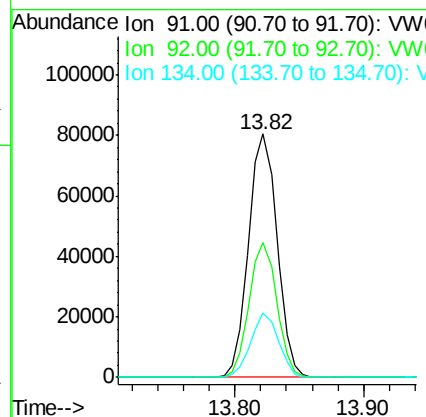
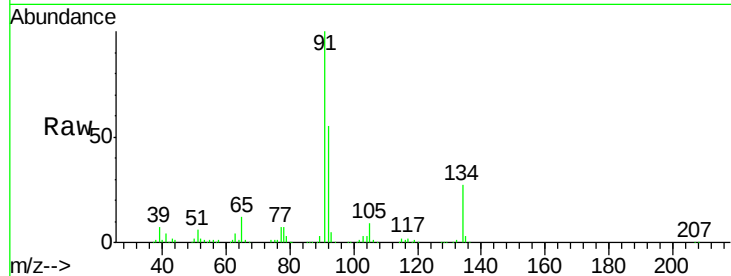
#89
n-Butylbenzene
Concen: 50.899 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	122883		
92	53.9	27.2	81.5	
134	25.8	13.1	39.1	

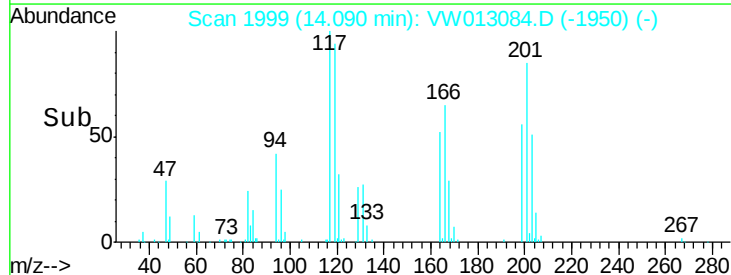
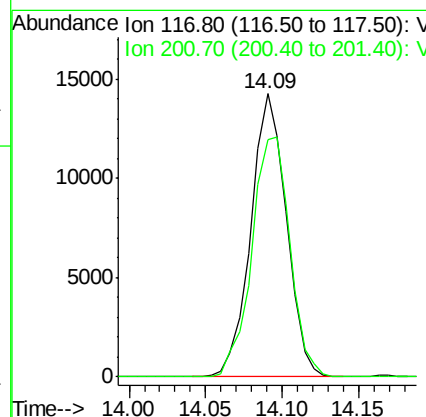
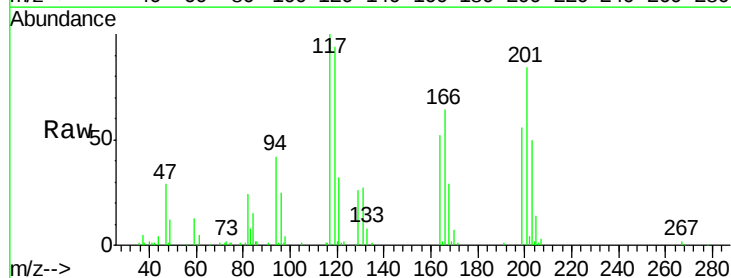
Manual Integrations
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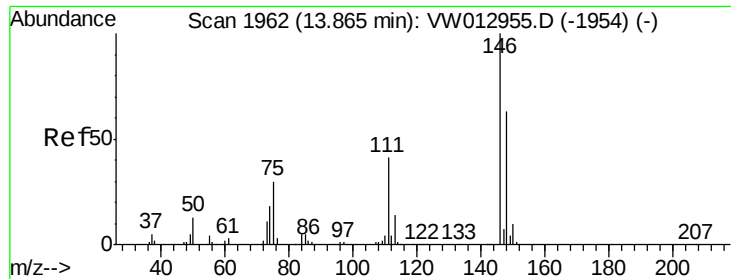
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#90
Hexachloroethane
Concen: 50.195 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	23027		
201	91.1	45.3	135.9	





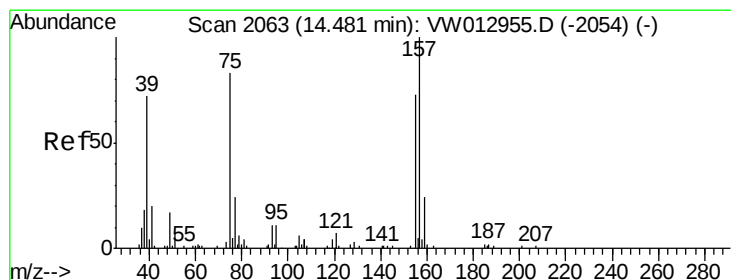
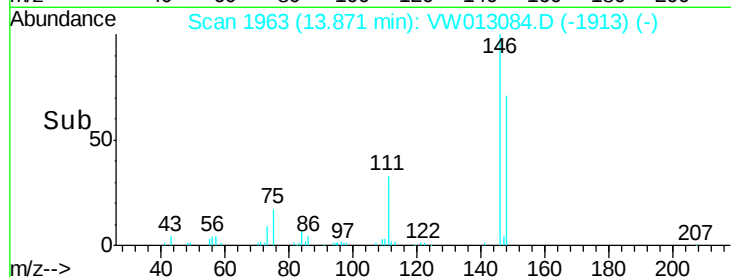
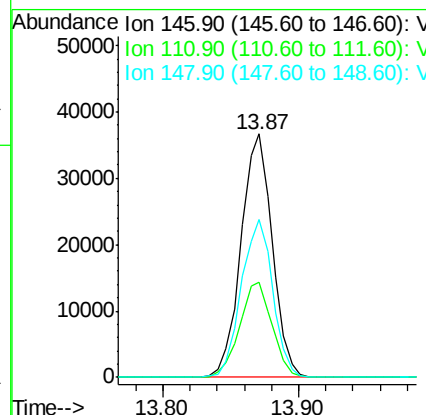
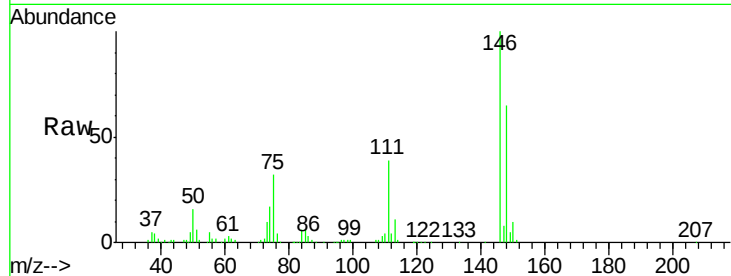
#91
 1,2-Dichlorobenzene
 Concen: 54.299 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.8	62.5
148	65.1	32.7	98.1

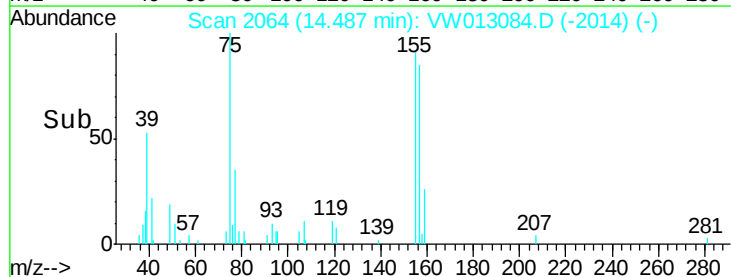
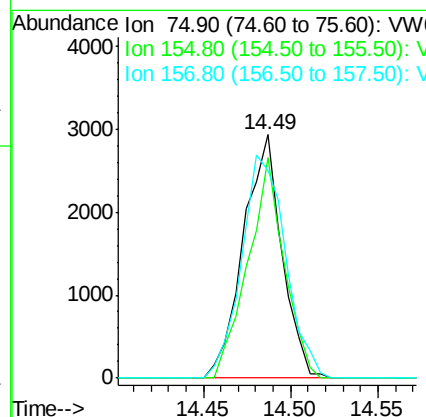
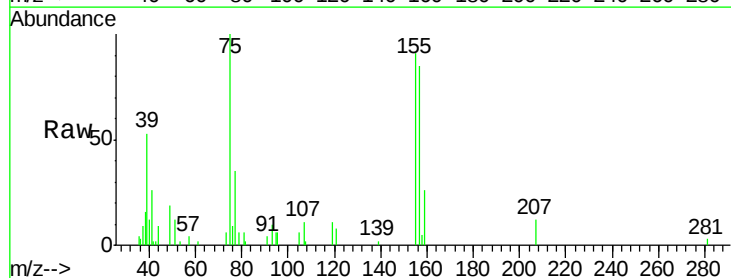
Manual Integrations
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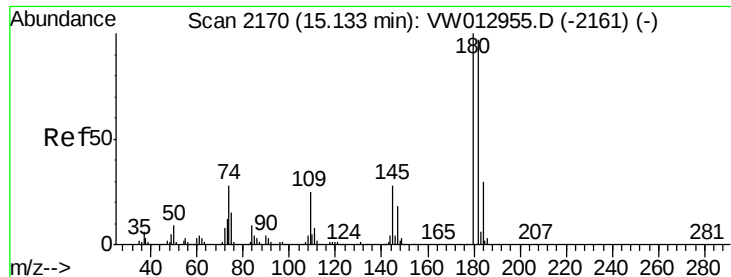
MMDadoda
 9/19/2019 1:27:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.917 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	43.3	129.9
157	104.6	54.7	164.1





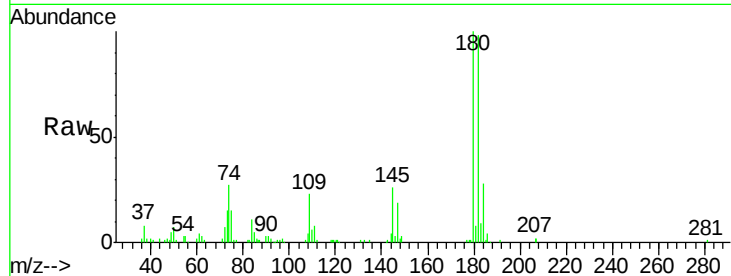
#93
 1,2,4-Trichlorobenzene
 Concen: 39.742 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

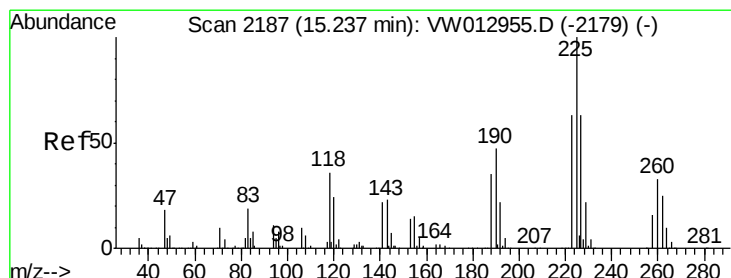
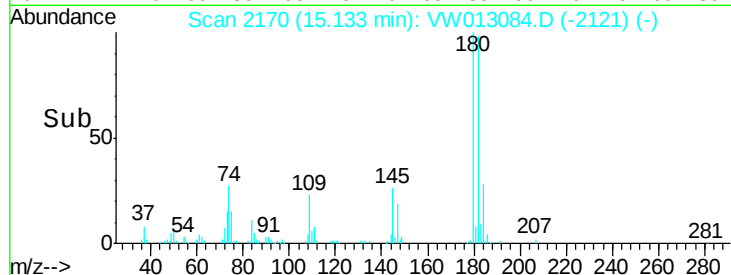
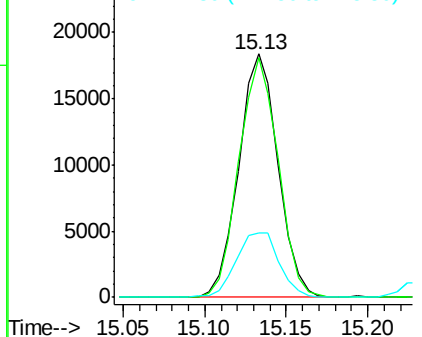
Tot Ion	Ratio	Resp	Lower	Upper
180	100	30741		
182	98.3	47.4	142.2	
145	29.2	14.9	44.7	

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:27:25 AM

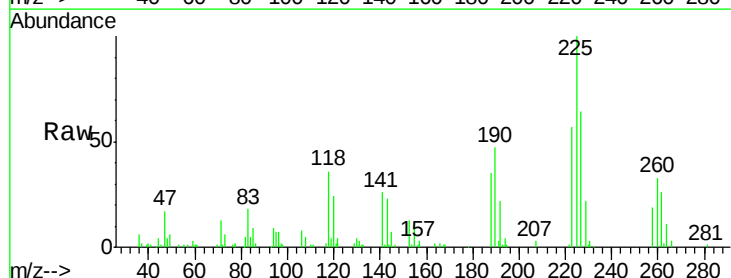


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

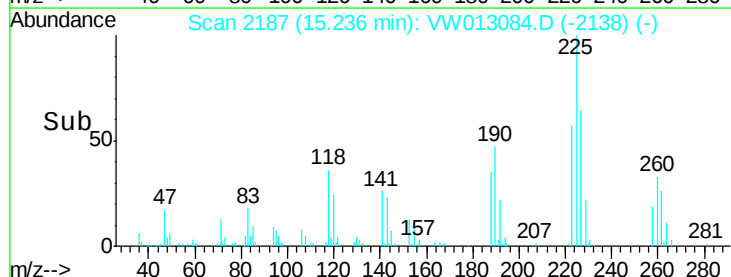
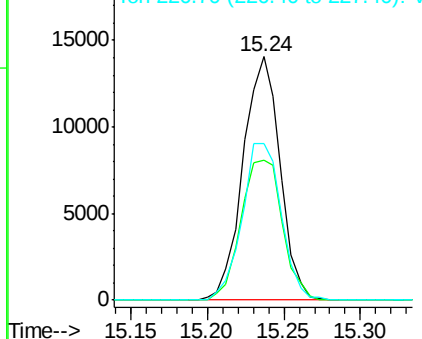


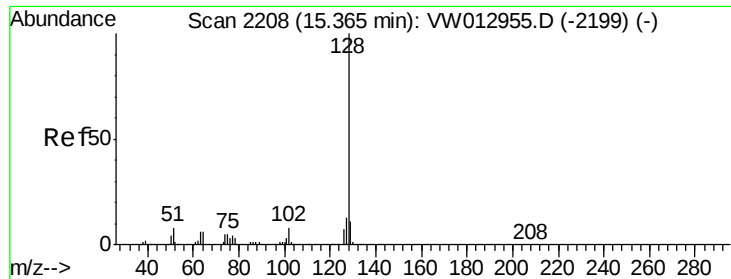
#94
 Hexachlorobutadiene
 Concen: 43.102 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23602		
223	64.5	31.8	95.3	
227	68.1	31.3	93.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





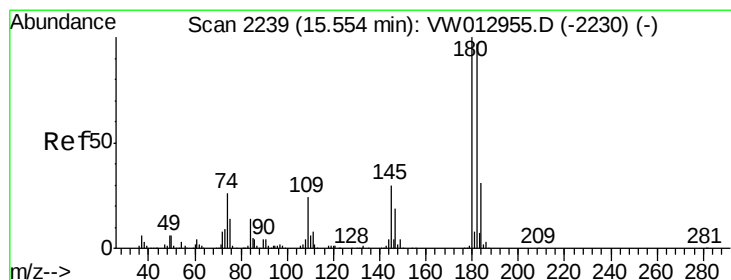
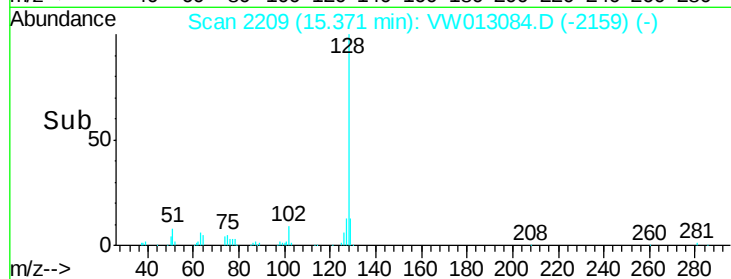
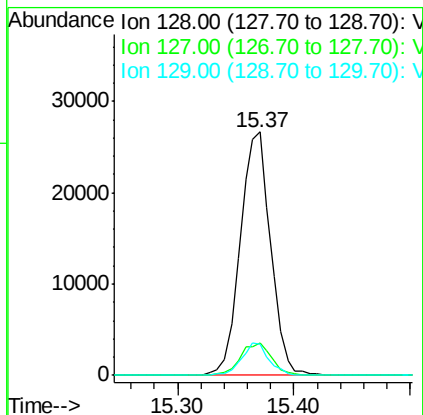
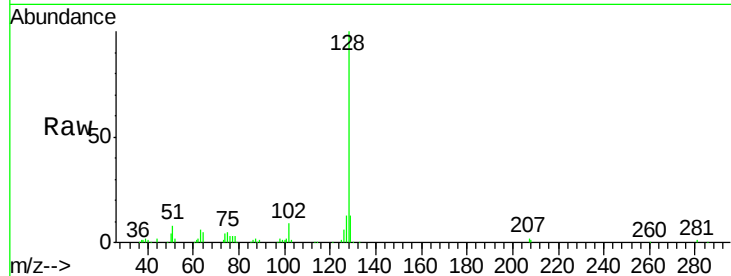
#95
Naphthalene
Concen: 37.385 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	11.0	16.6
129	11.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 40.975 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.6	142.8
145	30.6	15.4	46.2

